

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066699.D
 Acq On : 15 Sep 2020 15:16
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:21 AM

Quant Time: Sep 15 16:33:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	710274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	635944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	441483	93.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.34%	
35) Dibromofluoromethane	7.91	113	424311	97.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.88%	
50) Toluene-d8	10.34	98	1584830	102.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.30%	
62) 4-Bromofluorobenzene	12.63	95	532450	99.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	315386	85.412	ug/l	97
3) Chloromethane	2.21	50	423558	88.113	ug/l	98
4) Vinyl Chloride	2.35	62	450008	89.449	ug/l	97
5) Bromomethane	2.76	94	307628	86.199	ug/l	100
6) Chloroethane	2.92	64	288781	92.142	ug/l	89
7) Trichlorofluoromethane	3.27	101	800413	92.112	ug/l	99
8) Diethyl Ether	3.71	74	211144	97.036	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	437130	91.536	ug/l	99
10) Methyl Iodide	4.30	142	499215	110.178	ug/l	99
11) Tert butyl alcohol	5.22	59	135577	285.123	ug/l	97
12) 1,1-Dichloroethene	4.07	96	417201	94.388	ug/l	96
13) Acrolein	3.92	56	150140	451.681	ug/l	94
14) Allyl chloride	4.71	41	704054	99.184	ug/l	98
15) Acrylonitrile	5.42	53	460976	483.609	ug/l	99
16) Acetone	4.15	43	419934	437.539	ug/l	99
17) Carbon Disulfide	4.41	76	1341495	96.586	ug/l	97
18) Methyl Acetate	4.71	43	200194	86.409	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	998063	101.375	ug/l	100
20) Methylene Chloride	4.96	84	490386	75.438	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	497072	96.525	ug/l	99
22) Diisopropyl ether	6.36	45	1418260	98.330	ug/l	98
23) Vinyl Acetate	6.30	43	4166479	519.316	ug/l	98
24) 1,1-Dichloroethane	6.27	63	874251	95.518	ug/l	98
25) 2-Butanone	7.21	43	590803	472.736	ug/l	97
26) 2,2-Dichloropropane	7.20	77	783027	92.516	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	540874	96.006	ug/l	96
28) Bromochloromethane	7.54	49	306818	89.748	ug/l	98
29) Tetrahydrofuran	7.56	42	372503	487.161	ug/l	97
30) Chloroform	7.71	83	906934	93.104	ug/l	96
31) Cyclohexane	7.98	56	779582	93.641	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	852557	95.645	ug/l	99
36) 1,1-Dichloropropene	8.11	75	718217	98.351	ug/l	99
37) Ethyl Acetate	7.29	43	268770	97.219	ug/l	97
38) Carbon Tetrachloride	8.10	117	769775	99.262	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	875264	104.785	ug/l	99
40) Benzene	8.35	78	1968675	99.646	ug/l	100
41) Methacrylonitrile	7.53	41	169770	126.835	ug/l #	84
42) 1,2-Dichloroethane	8.42	62	587236	95.941	ug/l	100
43) Isopropyl Acetate	8.45	43	518987	99.737	ug/l	99
44) Trichloroethene	9.11	130	528061	99.967	ug/l	100
45) 1,2-Dichloropropane	9.38	63	482209	98.729	ug/l	97
46) Dibromomethane	9.47	93	264510	98.556	ug/l	99
47) Bromodichloromethane	9.66	83	723138	98.879	ug/l	97
48) Methyl methacrylate	9.45	41	260587	98.454	ug/l	92
49) 1,4-Dioxane	9.46	88	56622	1969.491	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1334508	498.142	ug/l	99
52) Toluene	10.40	92	1311313	103.609	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	666270	101.982	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	789602	101.755	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	343383	97.039	ug/l	97
56) Ethyl methacrylate	10.66	69	435939	108.561	ug/l	99
57) 1,3-Dichloropropane	10.94	76	602458	97.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	825398	468.010	ug/l	97
59) 2-Hexanone	10.98	43	904193	502.318	ug/l	97
60) Dibromochloromethane	11.14	129	462564	100.322	ug/l	97
61) 1,2-Dibromoethane	11.24	107	335371	98.800	ug/l	100
64) Tetrachloroethene	10.87	164	419237	96.572	ug/l	96
65) Chlorobenzene	11.67	112	1298940	98.653	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	496463	102.194	ug/l	97
67) Ethyl Benzene	11.74	91	2510044	105.247	ug/l	100
68) m/p-Xylenes	11.85	106	1910178	211.918	ug/l	98
69) o-Xylene	12.18	106	867245	108.876	ug/l	97
70) Styrene	12.20	104	1525797	108.833	ug/l	99
71) Bromoform	12.36	173	244930	100.462	ug/l #	99
73) Isopropylbenzene	12.48	105	2405139	106.572	ug/l	100
74) N-amyl acetate	12.29	43	486927	102.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	366220	95.497	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	238641m	93.271	ug/l	
77) Bromobenzene	12.76	156	513507	98.722	ug/l	98
78) n-propylbenzene	12.82	91	2890700	105.075	ug/l	99
79) 2-Chlorotoluene	12.91	91	1594953	102.530	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	2036574	106.728	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	119786	99.905	ug/l	99
82) 4-Chlorotoluene	13.01	91	1666127	101.294	ug/l	100
83) tert-Butylbenzene	13.23	119	1690057	107.459	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	2035822	106.756	ug/l	100
85) sec-Butylbenzene	13.40	105	2398282	106.367	ug/l	100
86) p-Isopropyltoluene	13.52	119	2216222	108.117	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	1012512	101.461	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	980650	98.683	ug/l	98
89) n-Butylbenzene	13.84	91	2092779	107.370	ug/l	99
90) Hexachloroethane	14.11	117	423137	100.485	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	859256	100.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	58008	93.575	ug/l	93

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	541021	104.611	ug/l	98
94) Hexachlorobutadiene	15.27	225	314450	100.917	ug/l	99
95) Naphthalene	15.40	128	989997	109.561	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	461508	102.164	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

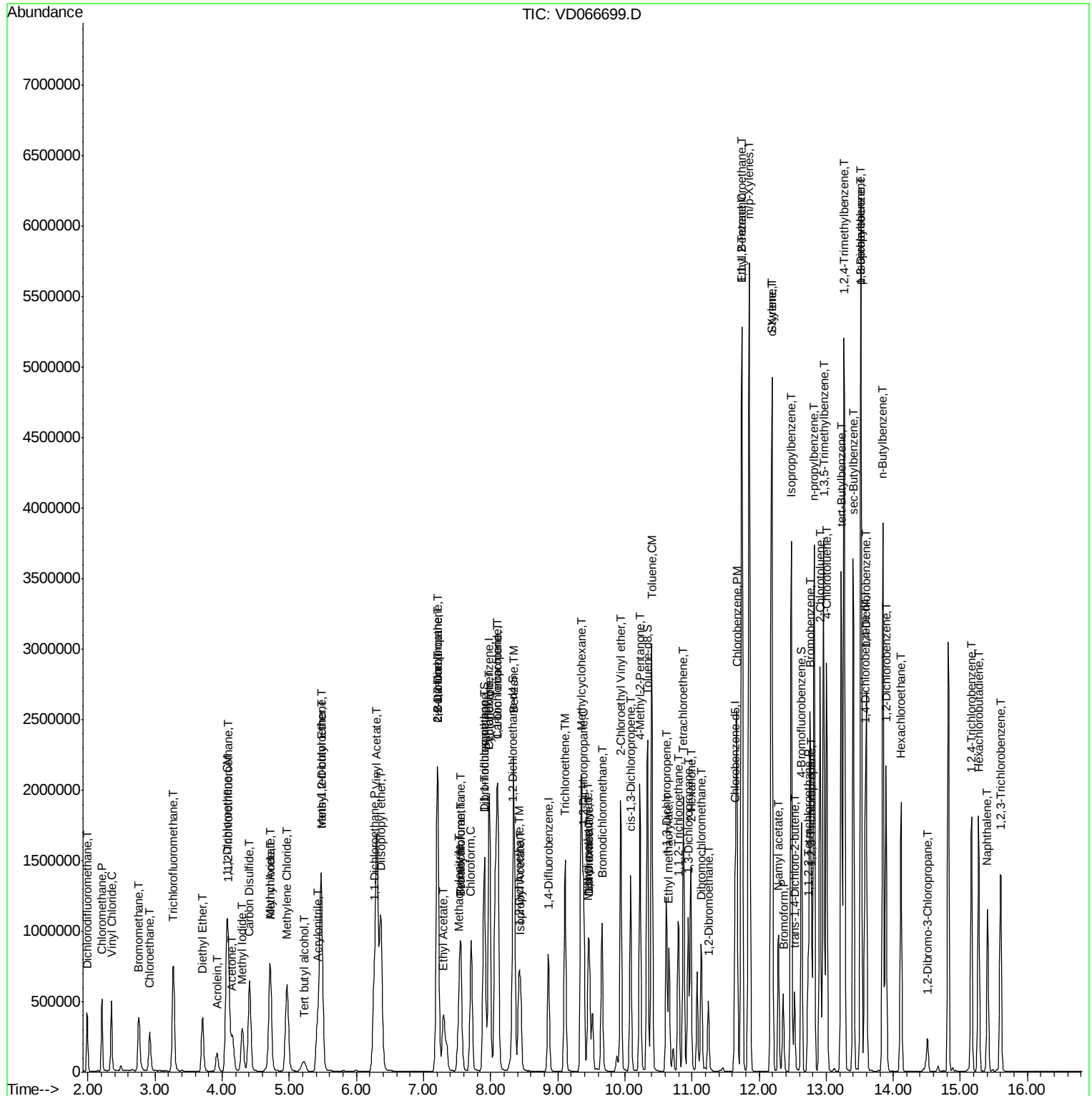
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091520\
Data File : VD066699.D
Acq On : 15 Sep 2020 15:16
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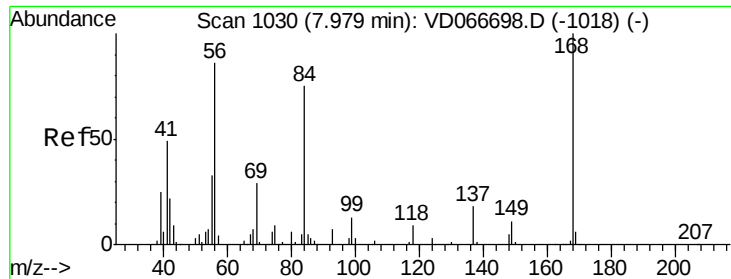
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 441737

Ion Ratio Lower Upper

168 100

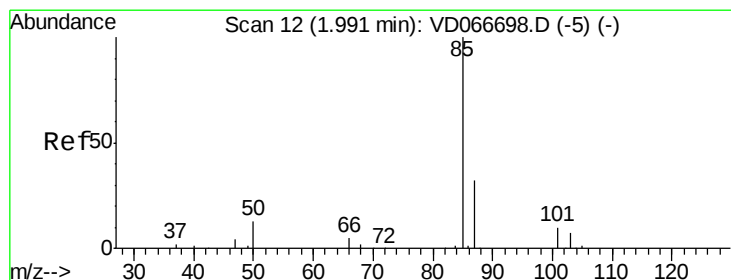
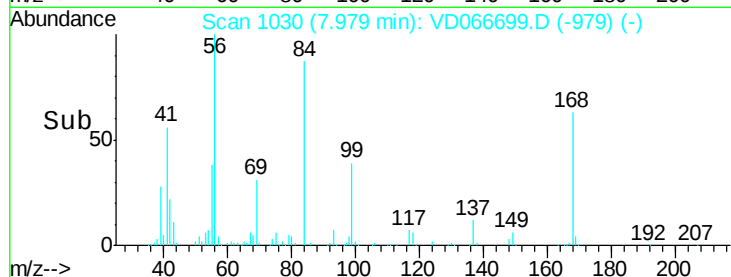
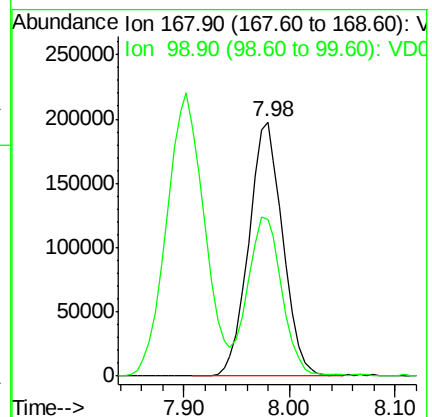
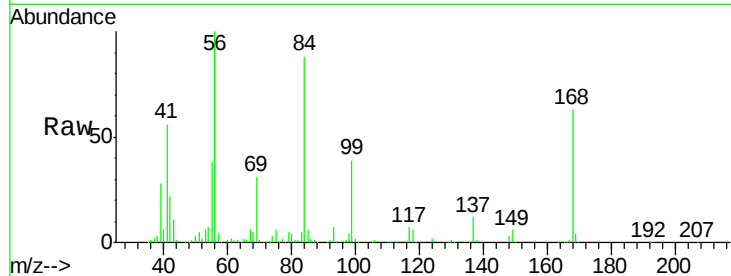
99 61.0 54.4 81.6

Manual Integrations

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9/16/2020 11:44:21 AM



#2

Dichlorodifluoromethane

Concen: 85.412 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066699.D

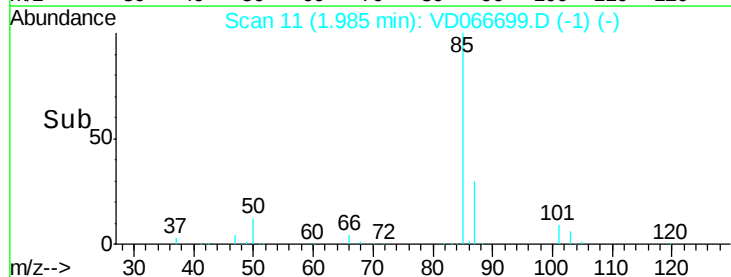
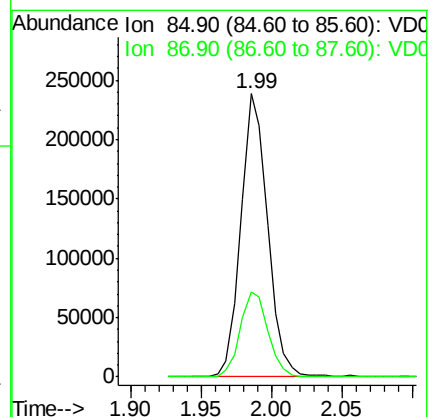
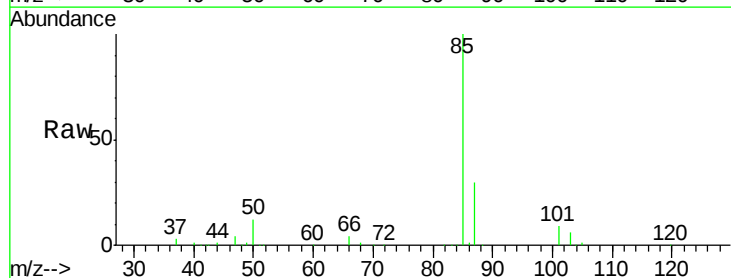
Acq: 15 Sep 2020 15:16

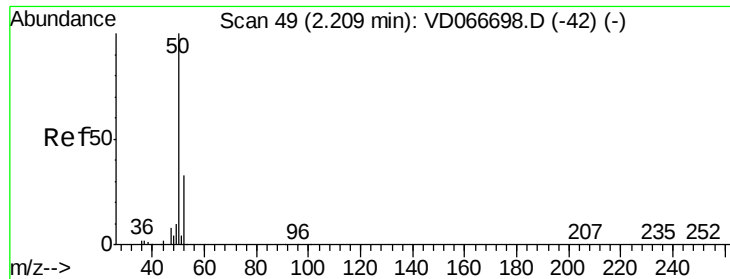
Tgt Ion: 85 Resp: 315386

Ion Ratio Lower Upper

85 100

87 30.1 15.9 47.6





#3

Chloromethane

Concen: 88.113 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 423558

Ion Ratio Lower Upper

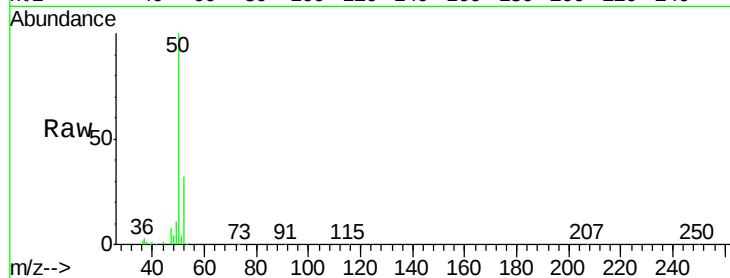
50 100

52 32.1 26.8 40.2

Manual Integrations
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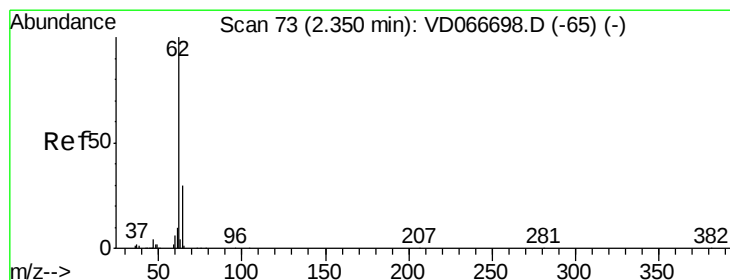
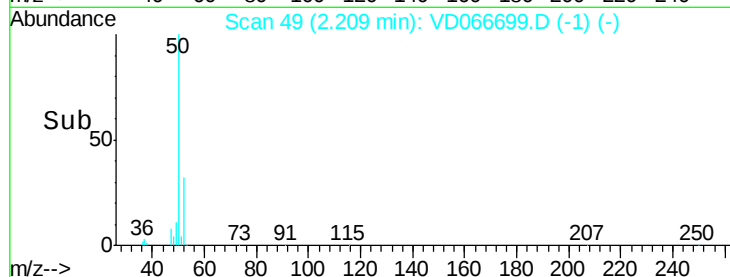
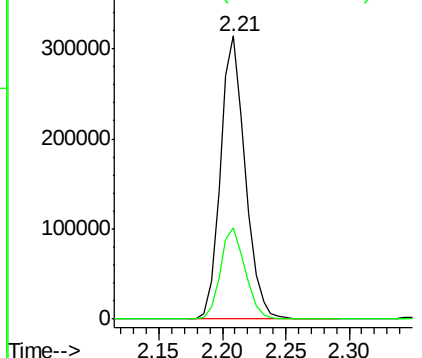
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 89.449 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066699.D

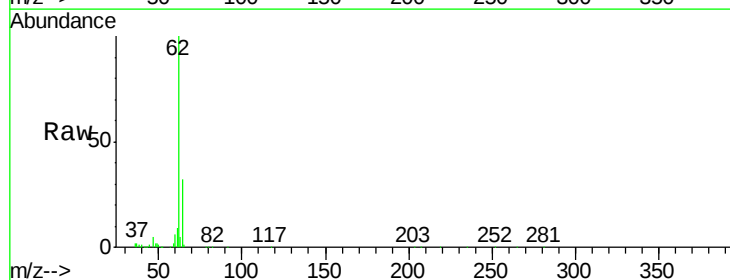
Acq: 15 Sep 2020 15:16

Tgt Ion: 62 Resp: 450008

Ion Ratio Lower Upper

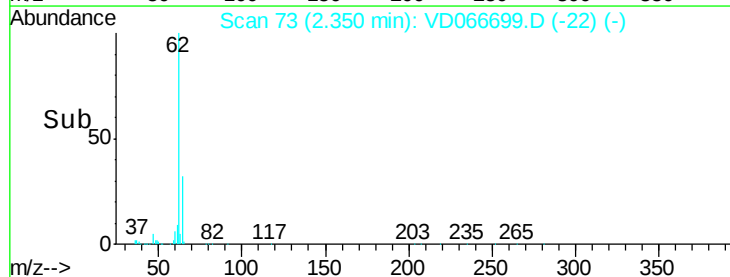
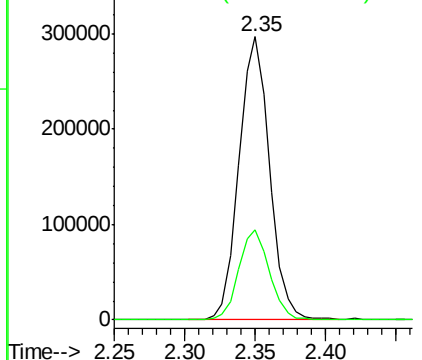
62 100

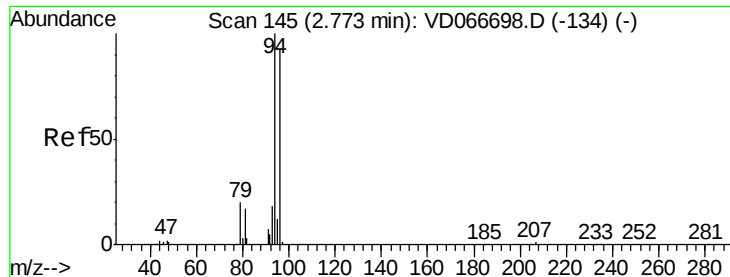
64 32.0 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 86.199 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 307628

Ion Ratio Lower Upper

94 100

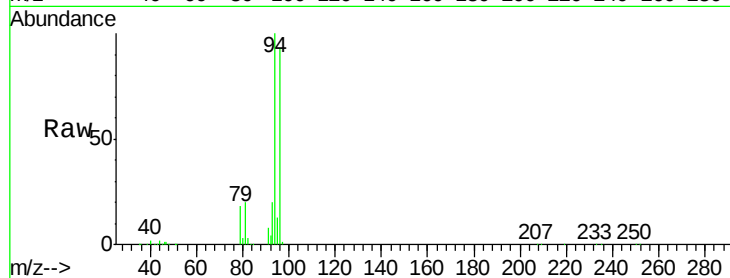
96 93.4 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

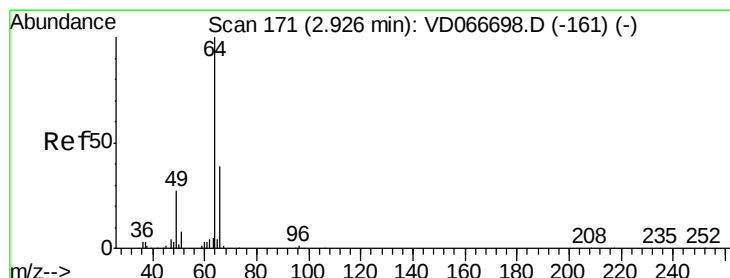
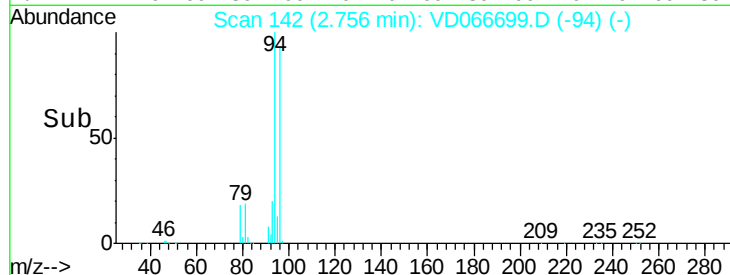
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 92.142 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066699.D

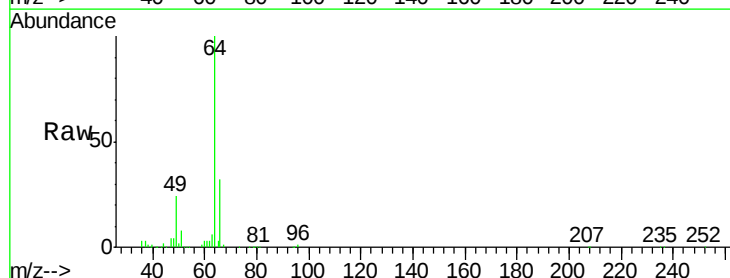
Acq: 15 Sep 2020 15:16

Tgt Ion: 64 Resp: 288781

Ion Ratio Lower Upper

64 100

66 31.9 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

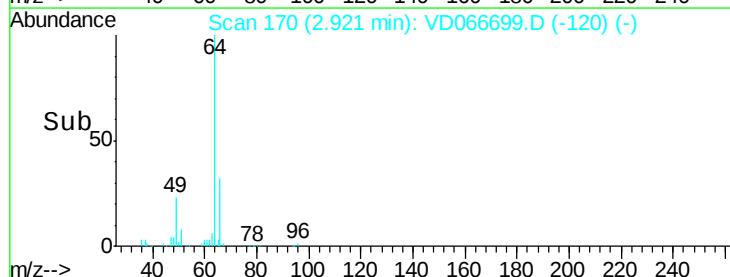
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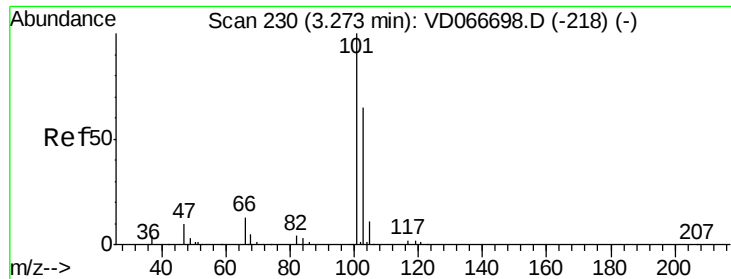
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50000

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Time-->





#7

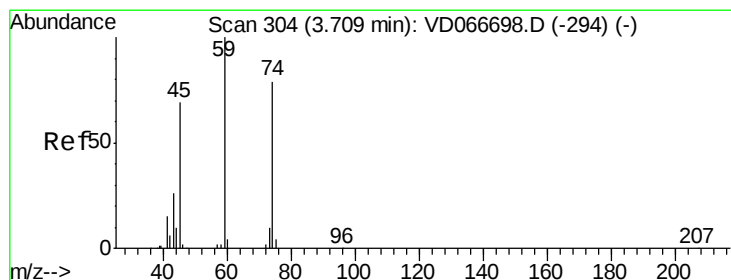
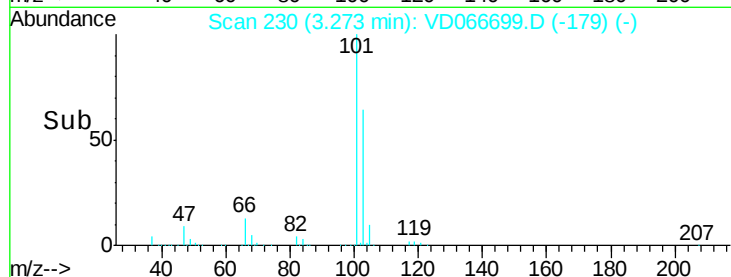
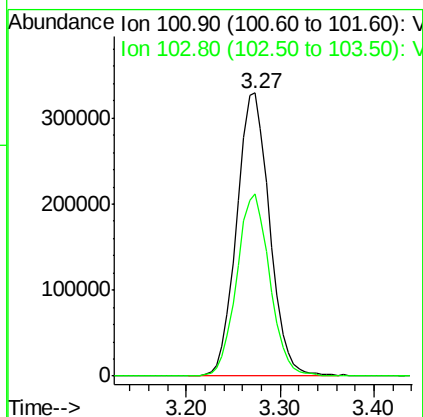
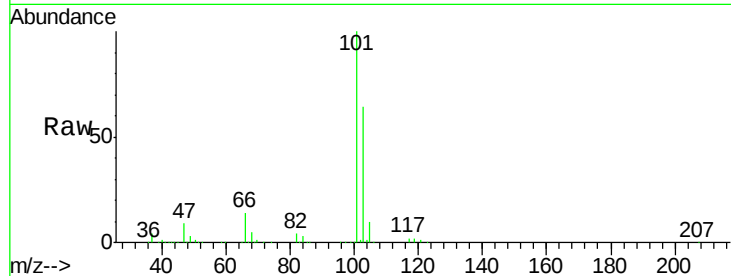
Trichlorofluoromethane
Concen: 92.112 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.8	77.8

Manual Integrations
APPROVED

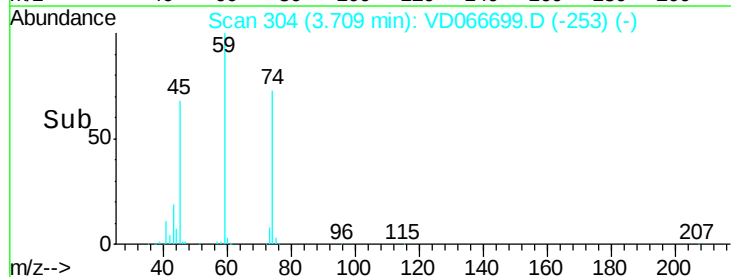
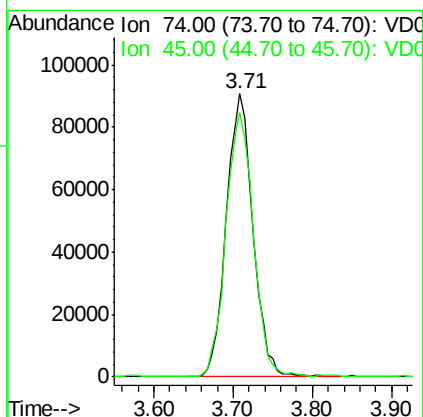
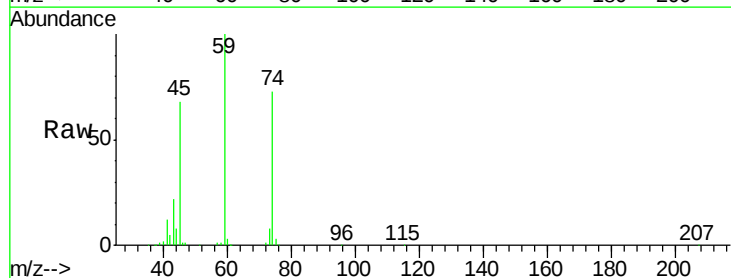
MMDadoda
9/16/2020 11:44:21 AM

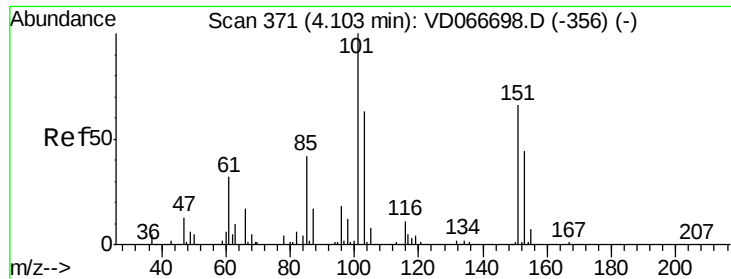


#8

Diethyl Ether
Concen: 97.036 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.0	144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.536 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

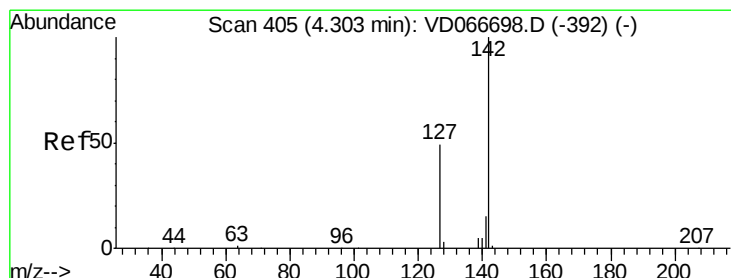
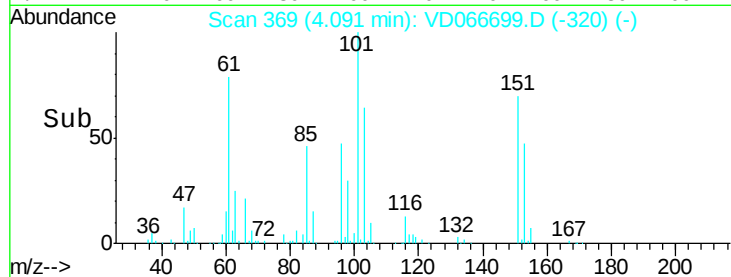
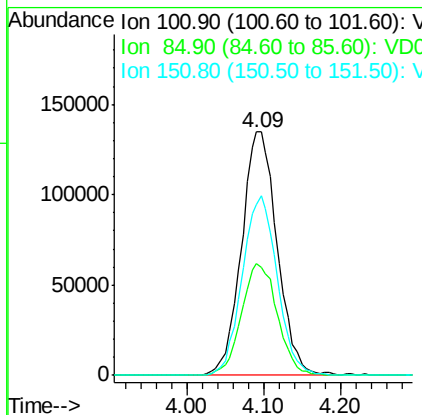
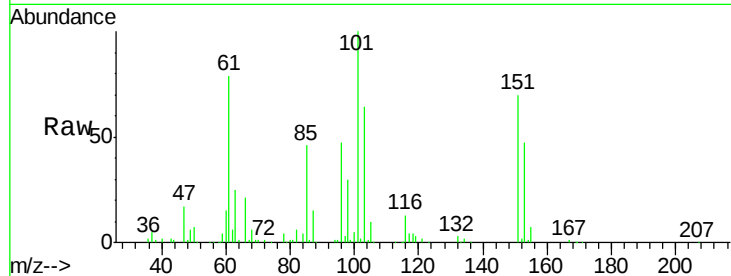
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	437130
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.3	54.5
151	72.6	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 110.178 ug/l

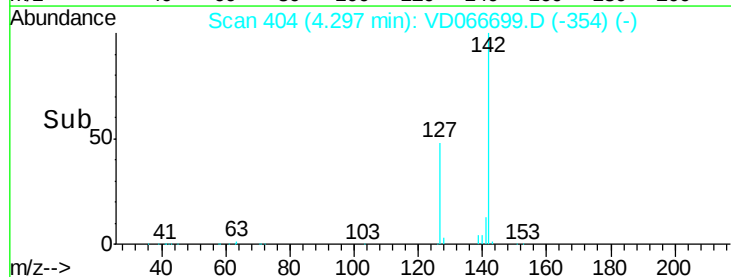
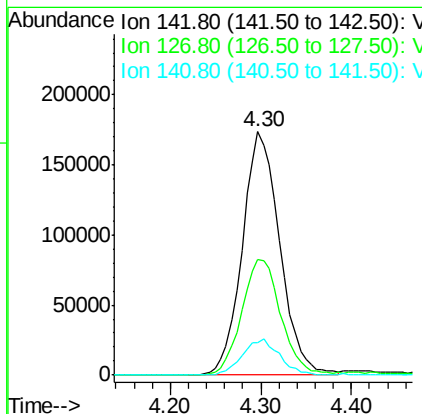
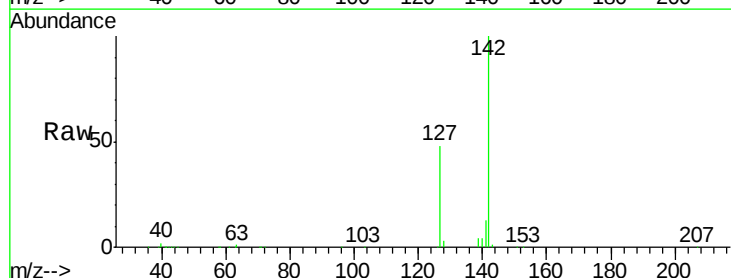
RT: 4.30 min Scan# 404

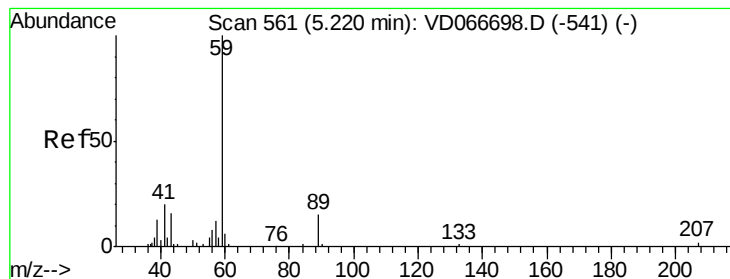
Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion:	142	Resp:	499215
Ion Ratio	Lower	Upper	
142	100		
127	49.5	39.0	58.4
141	14.6	11.7	17.5





#11

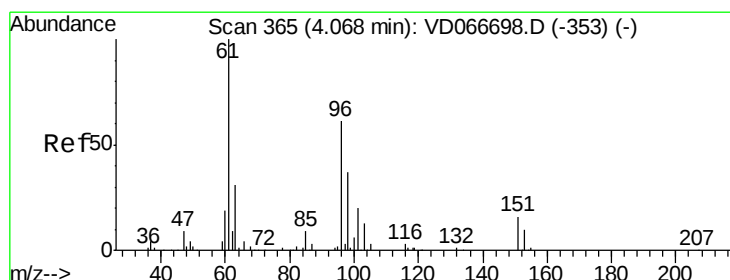
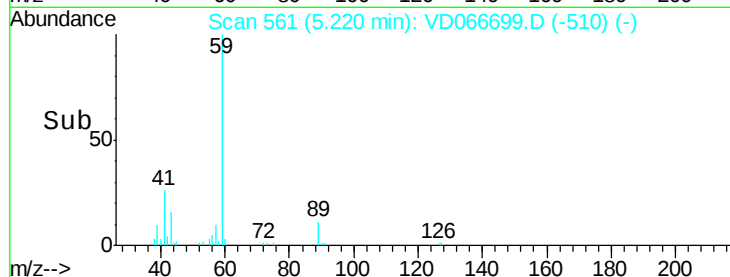
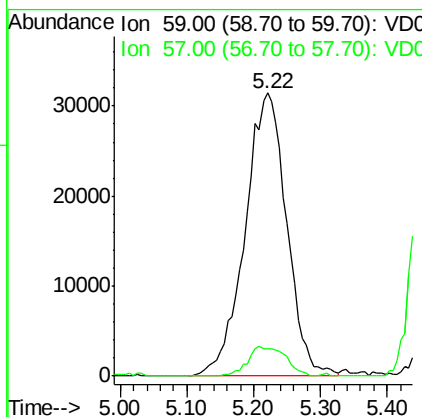
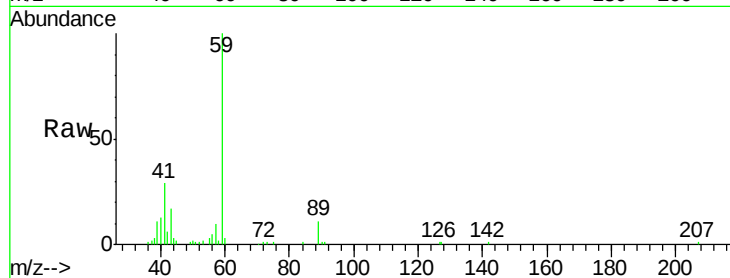
Tert butyl alcohol
 Concen: 285.123 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	6.7	10.1

Manual Integrations
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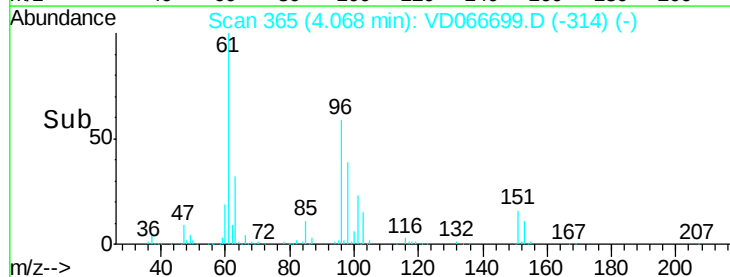
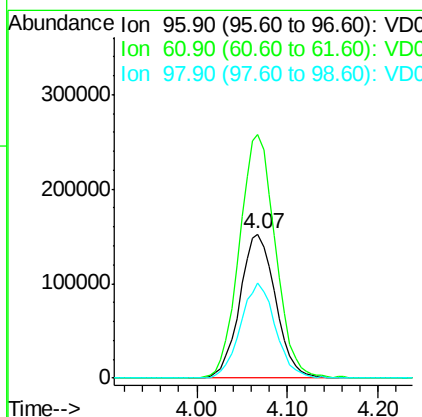
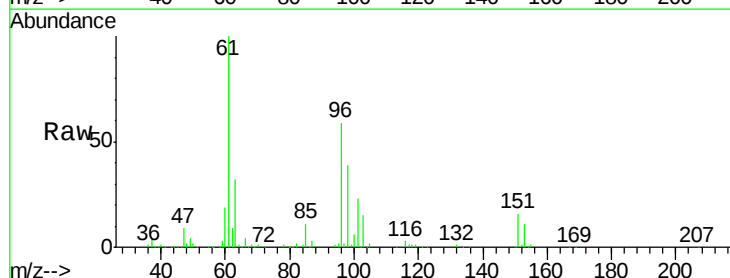
MMDadoda
 9/16/2020 11:44:21 AM

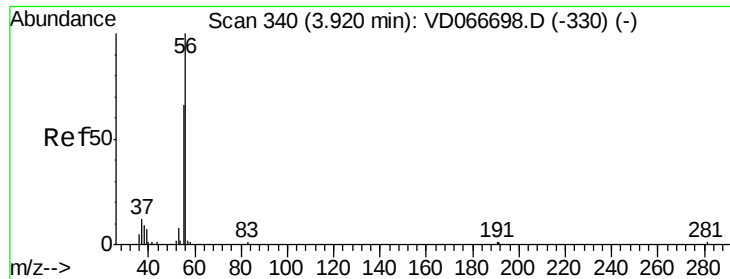


#12

1,1-Dichloroethene
 Concen: 94.388 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	131.9	197.9
98	65.7	49.1	73.7





#13

Acrolein

Concen: 451.681 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 150140

Ion Ratio Lower Upper

56 100

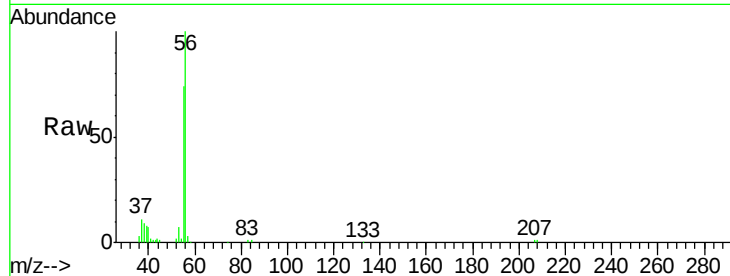
55 73.1 54.7 82.1

Manual Integrations

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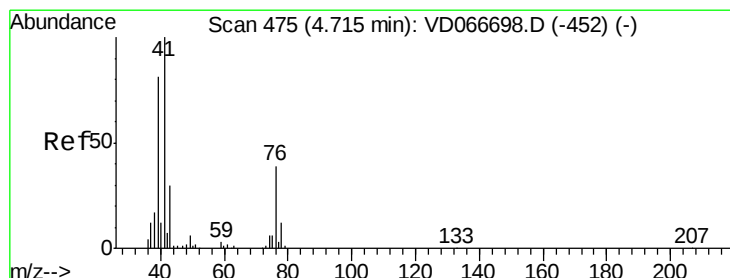
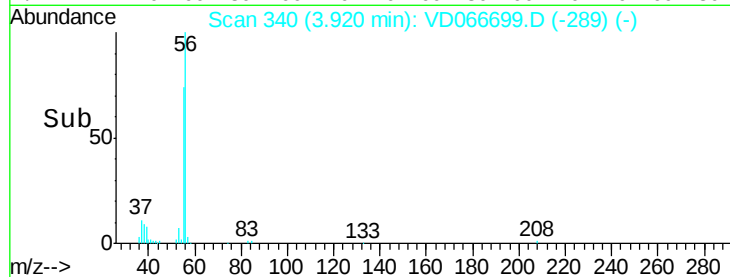
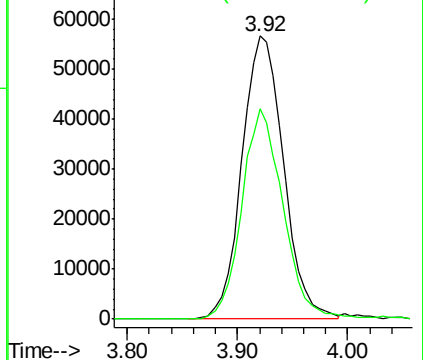
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 99.184 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

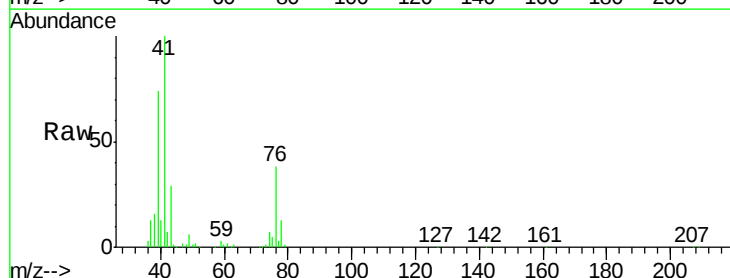
Tgt Ion: 41 Resp: 704054

Ion Ratio Lower Upper

41 100

39 74.0 60.6 90.8

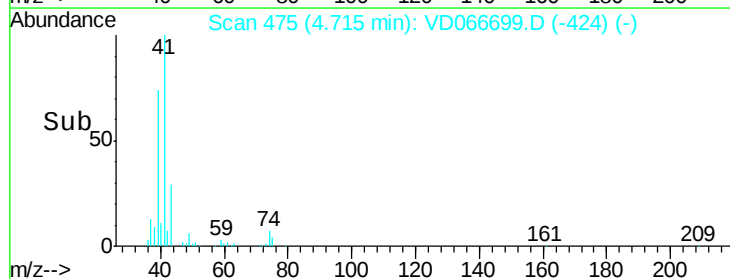
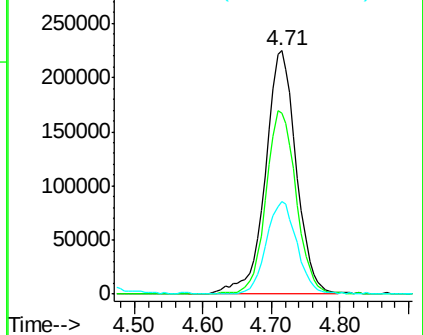
76 37.0 29.2 43.8

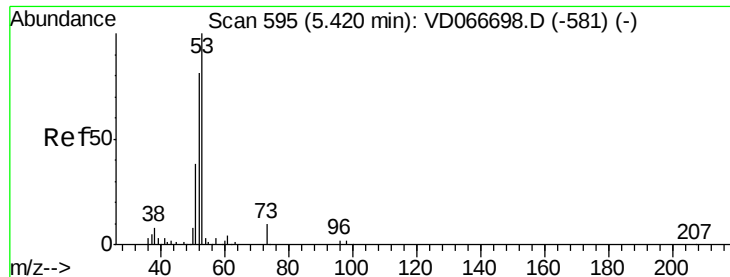


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 483.609 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

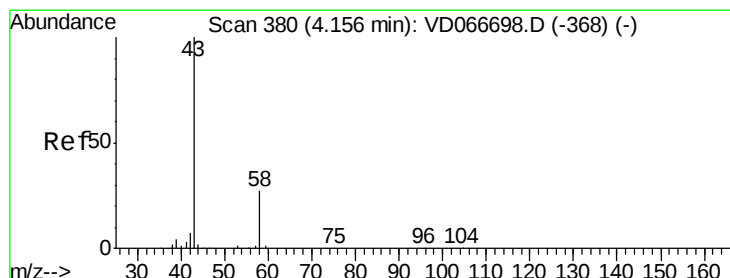
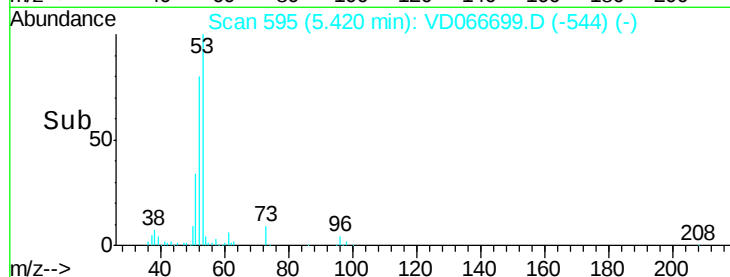
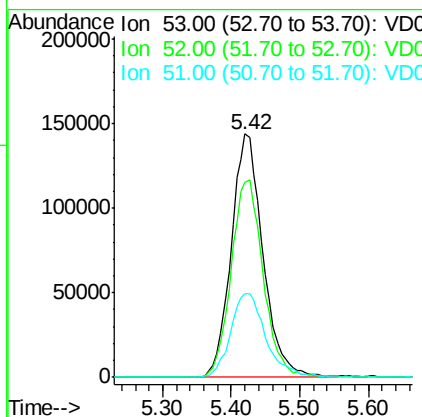
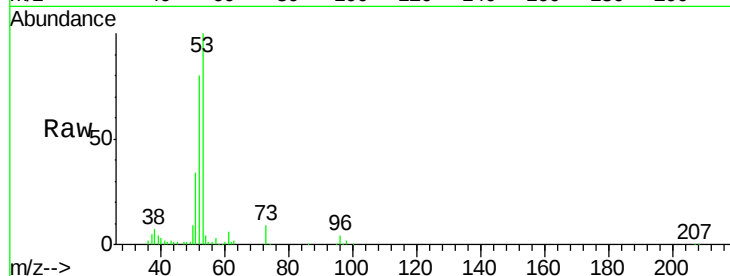
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	460976
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.6	99.8
51	38.5	31.0	46.6

Manual Integrations
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#16

Acetone

Concen: 437.539 ug/l

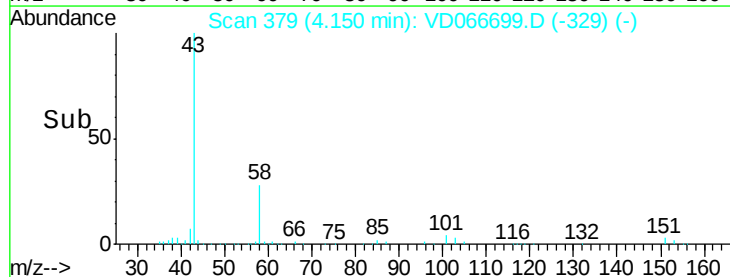
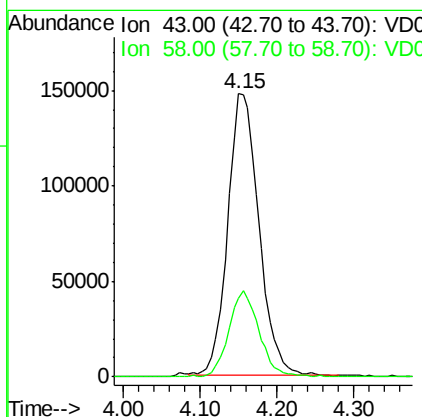
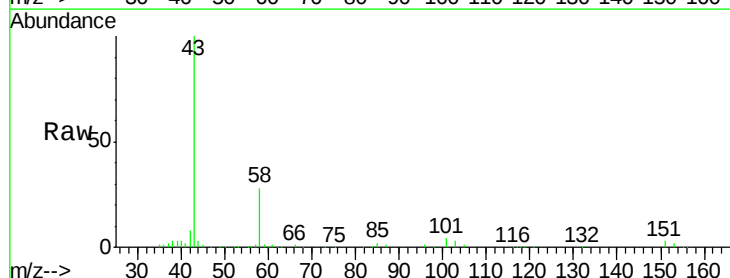
RT: 4.15 min Scan# 379

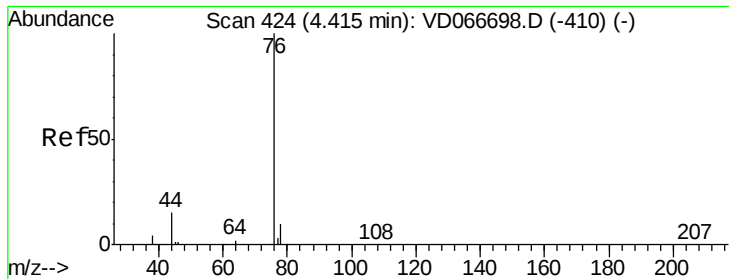
Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion:	43	Resp:	419934
Ion Ratio	Lower	Upper	
43	100		
58	27.7	21.9	32.9





#17

Carbon Disulfide

Concen: 96.586 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1341495

Ion Ratio Lower Upper

76 100

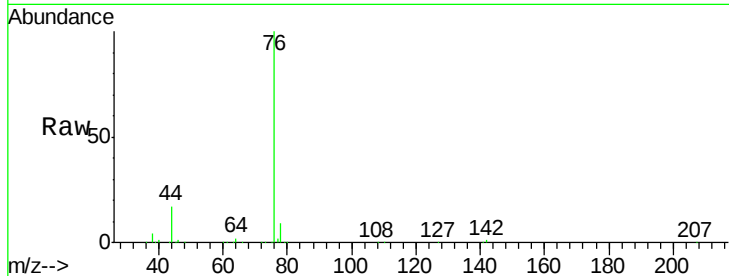
78 9.0 8.0 12.0

Manual Integrations

APPROVED

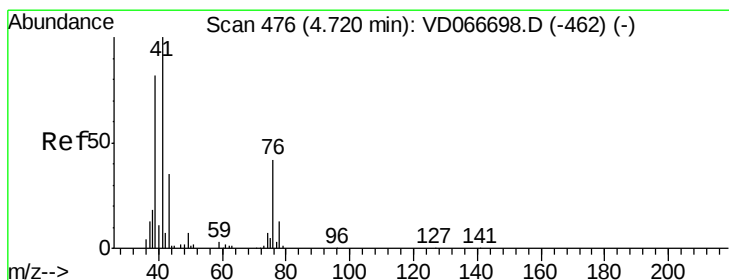
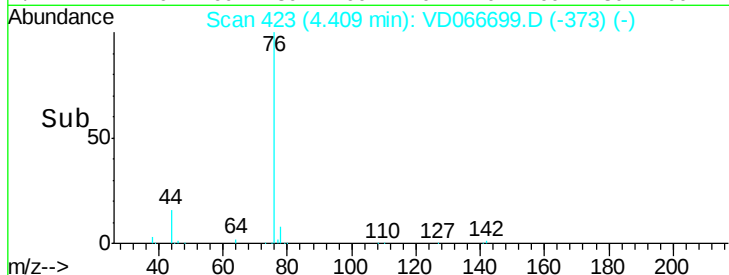
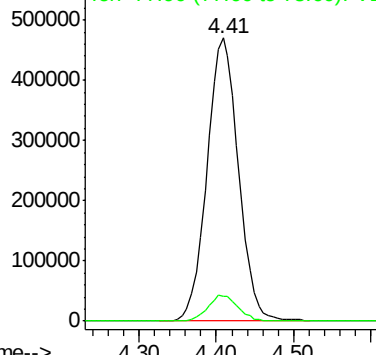
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 86.409 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD066699.D

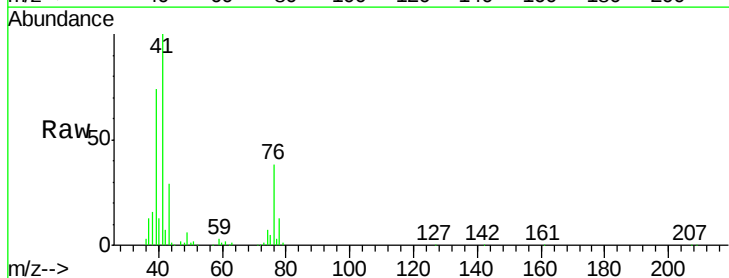
Acq: 15 Sep 2020 15:16

Tgt Ion: 43 Resp: 200194

Ion Ratio Lower Upper

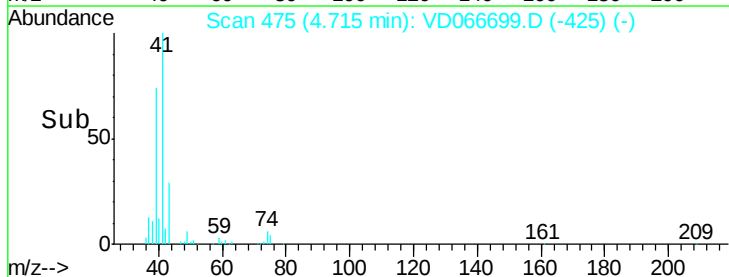
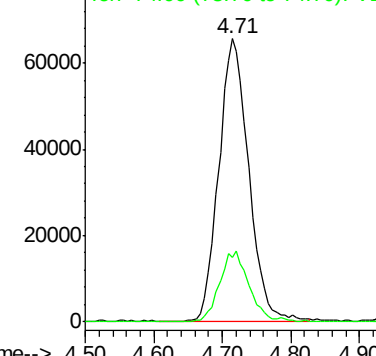
43 100

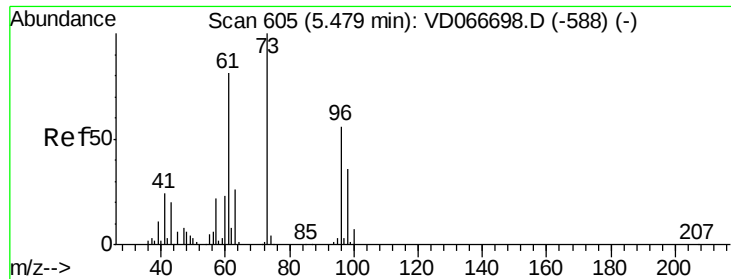
74 24.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





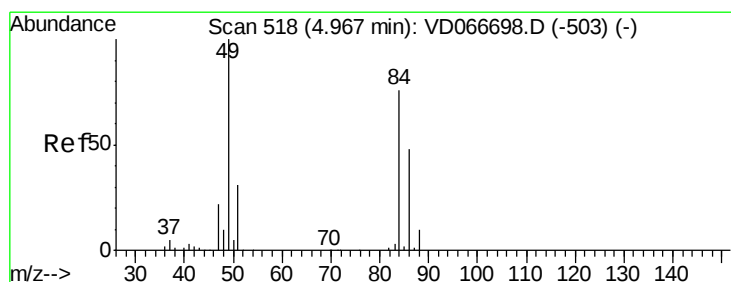
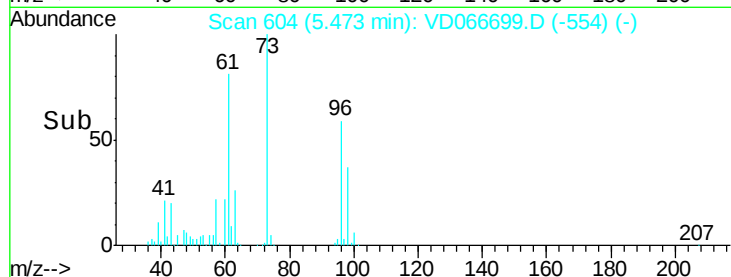
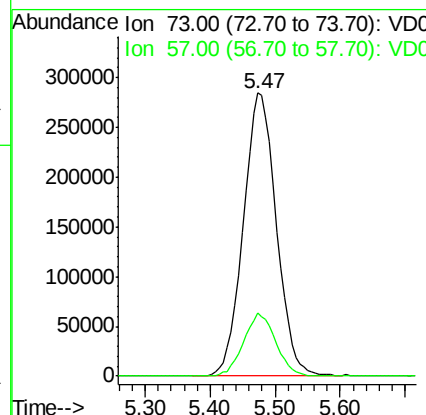
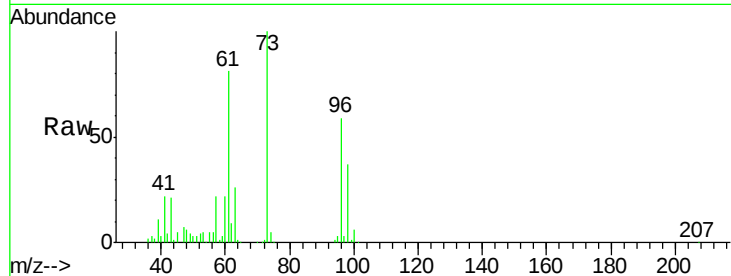
#19
Methyl tert-butyl Ether
Concen: 101.375 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 998063
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6

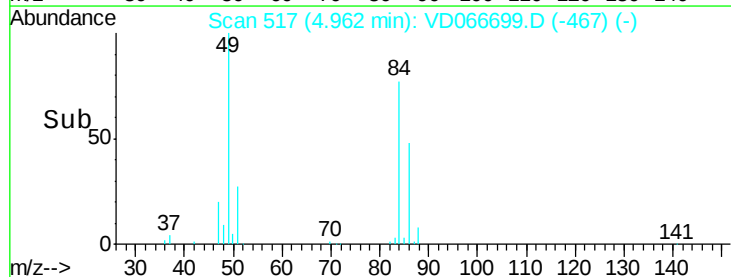
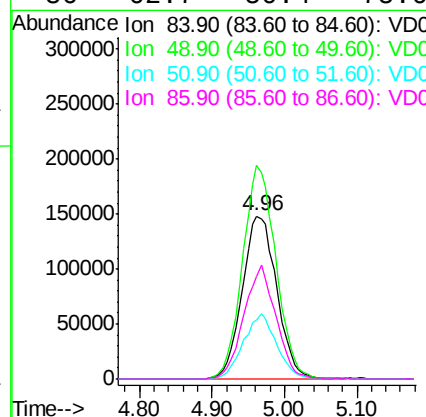
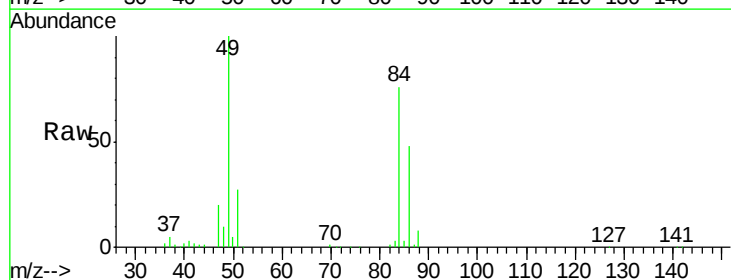
Manual Integrations
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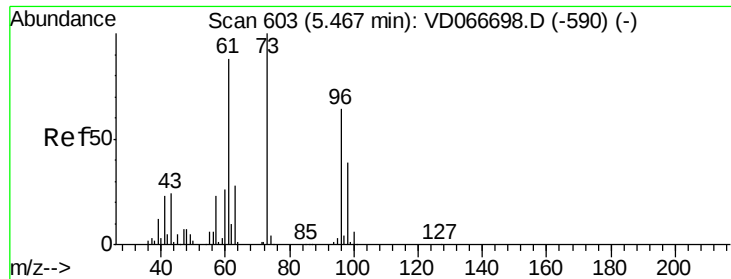
MMDadoda
9/16/2020 11:44:21 AM



#20
Methylene Chloride
Concen: 75.438 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 84 Resp: 490386
Ion Ratio Lower Upper
84 100
49 130.9 105.0 157.6
51 35.9 32.2 48.4
86 62.7 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 96.525 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 497072

Ion Ratio Lower Upper

96 100

61 138.5 110.6 166.0

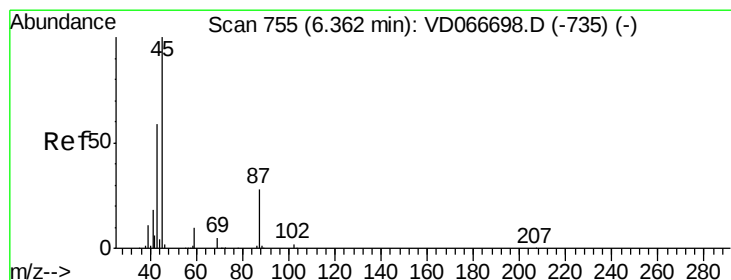
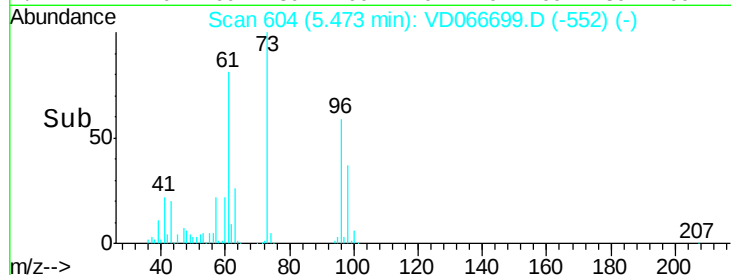
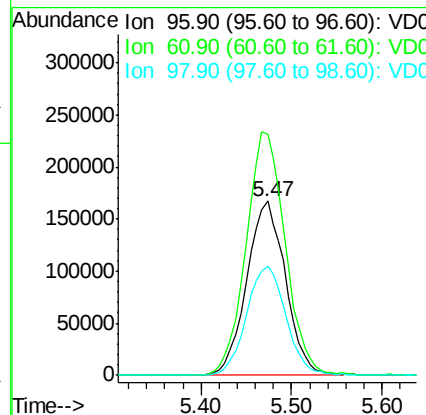
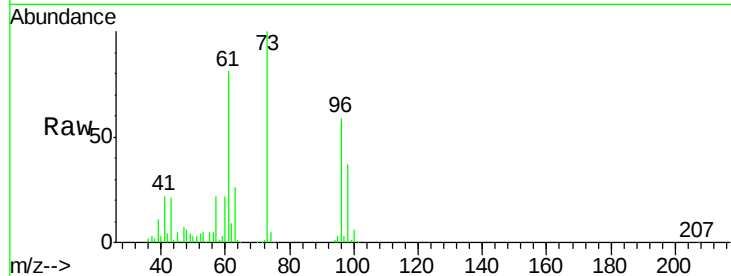
98 62.5 49.2 73.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 98.330 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion: 45 Resp: 1418260

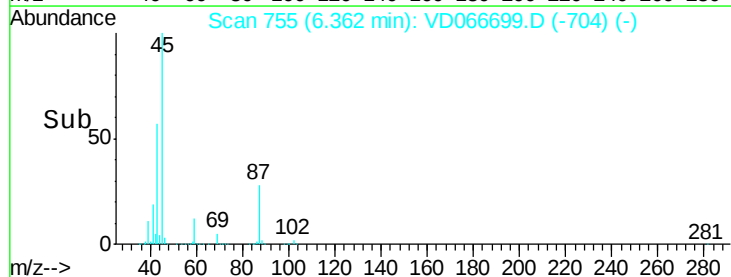
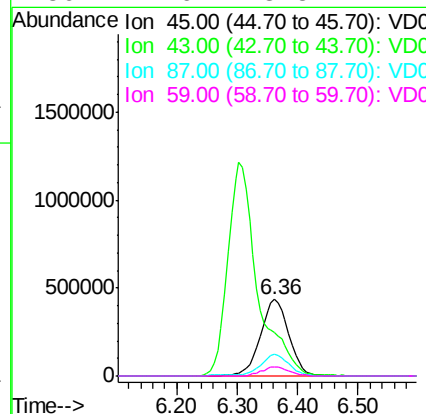
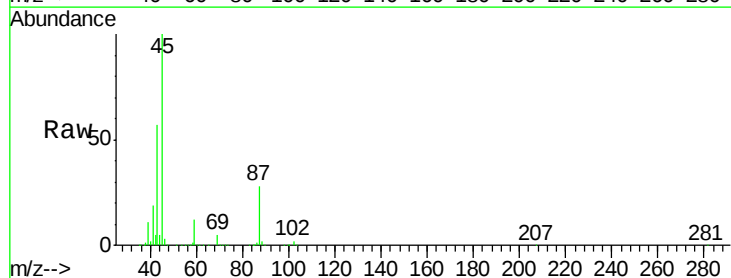
Ion Ratio Lower Upper

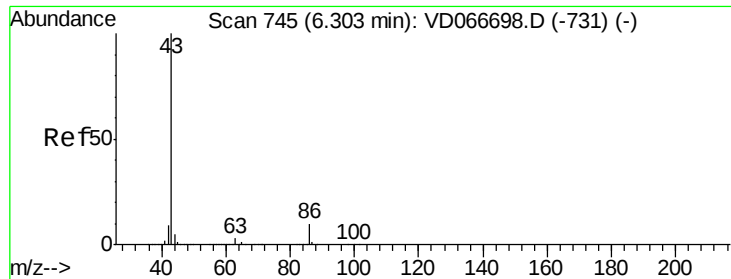
45 100

43 57.0 46.9 70.3

87 27.9 22.4 33.6

59 11.6 8.5 12.7





#23

Vinyl Acetate

Concen: 519.316 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 4166479

Ion Ratio Lower Upper

43 100

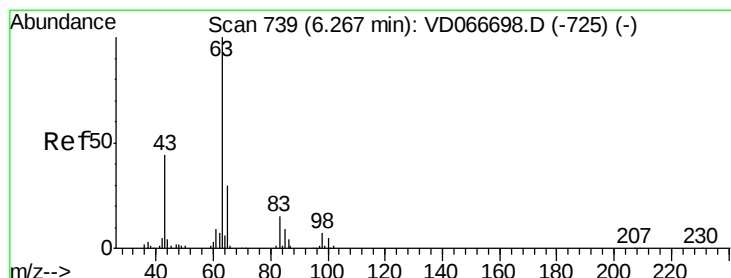
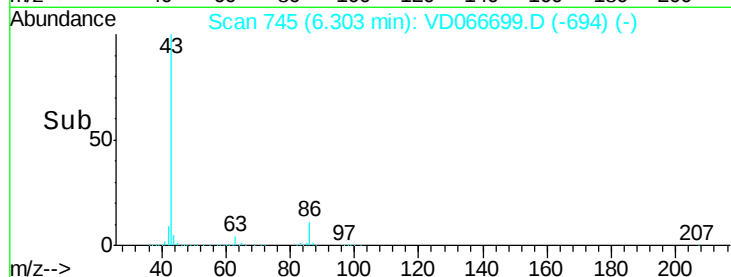
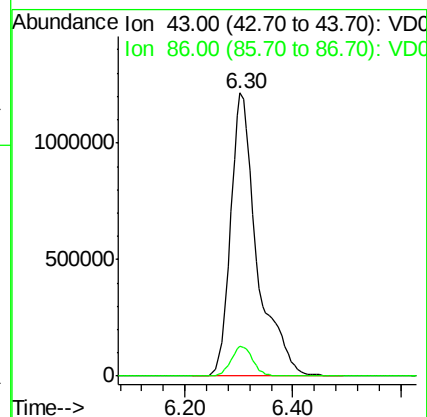
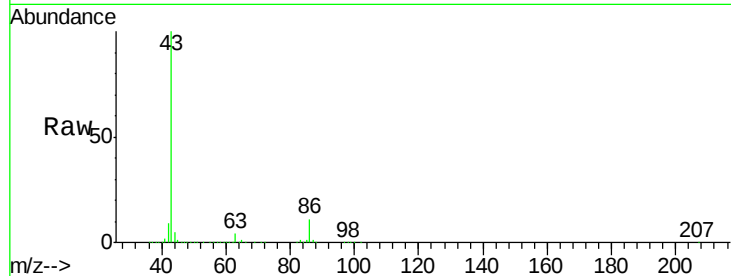
86 10.7 7.8 11.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 95.518 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

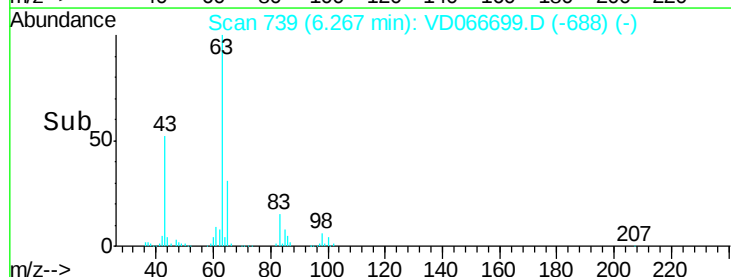
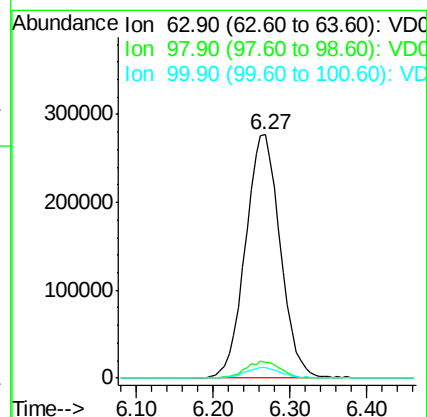
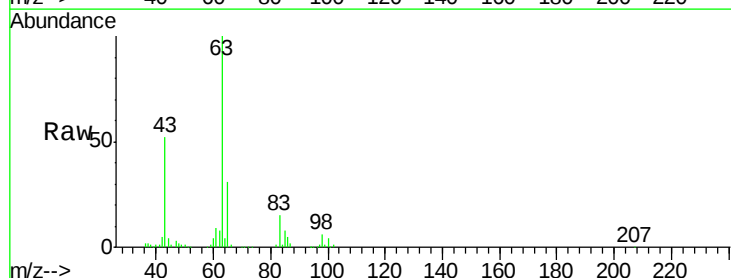
Tgt Ion: 63 Resp: 874251

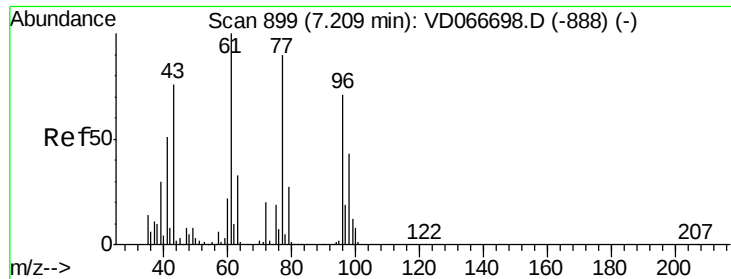
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.4 2.6 8.0





#25

2-Butanone

Concen: 472.736 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 590803

Ion Ratio Lower Upper

43 100

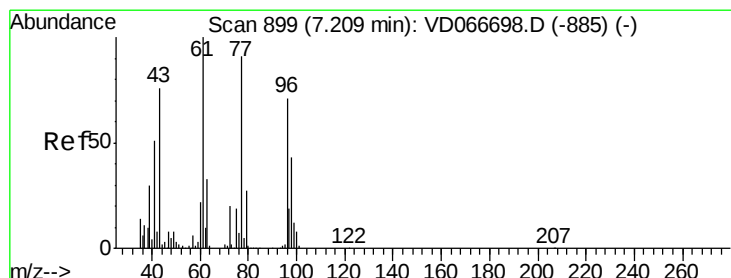
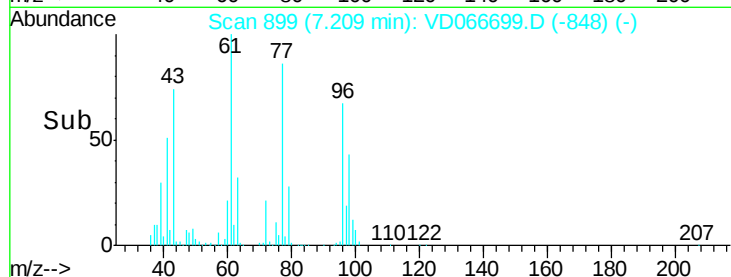
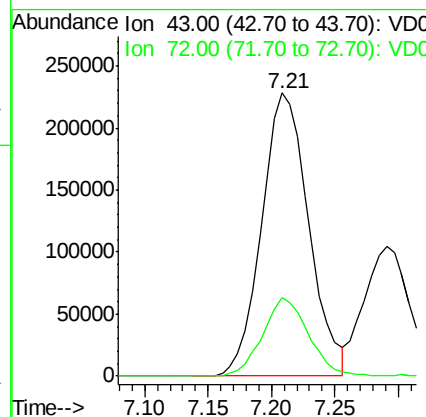
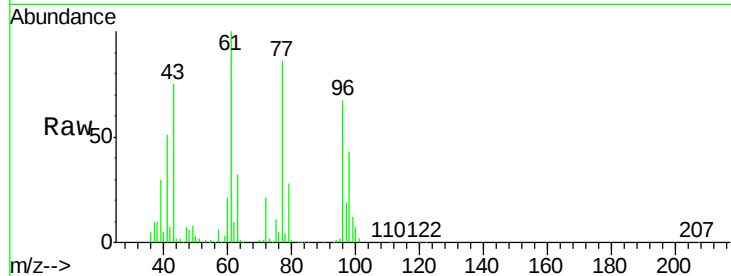
72 27.6 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 92.516 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066699.D

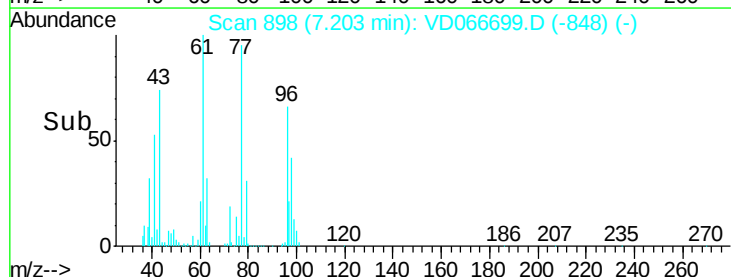
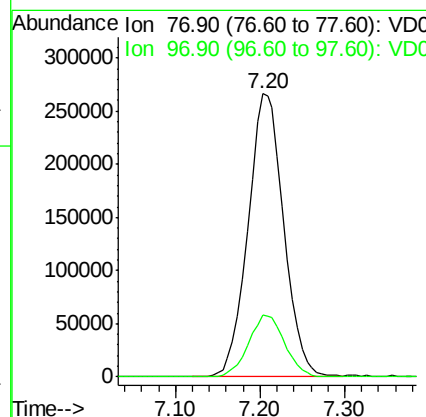
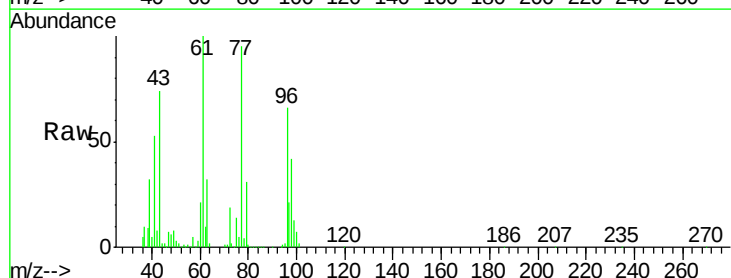
Acq: 15 Sep 2020 15:16

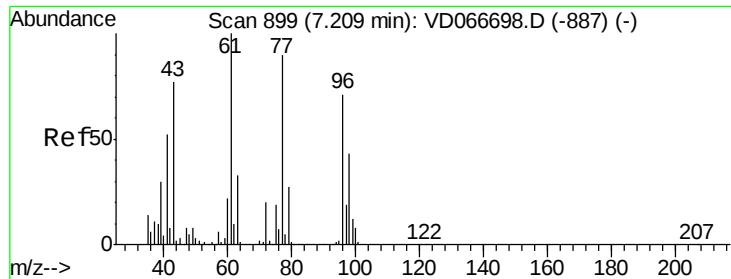
Tgt Ion: 77 Resp: 783027

Ion Ratio Lower Upper

77 100

97 22.0 10.6 31.8





#27

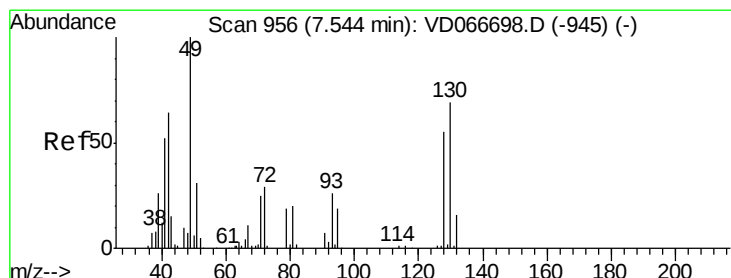
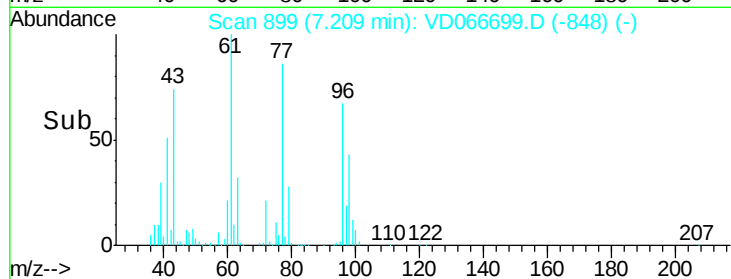
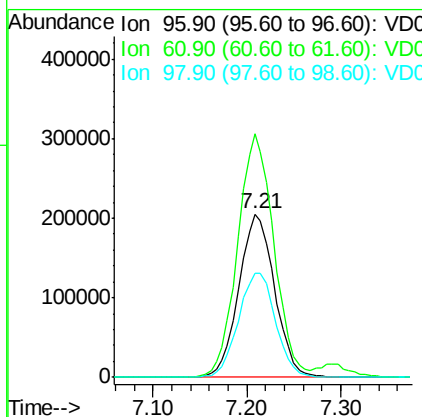
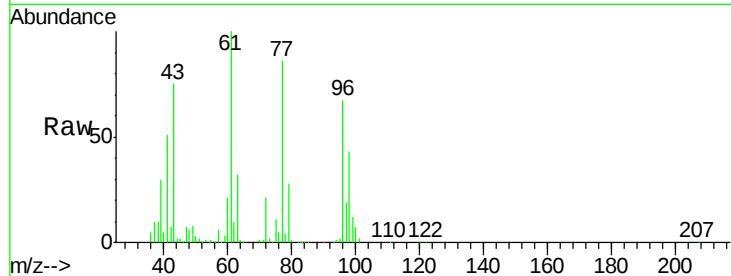
cis-1,2-Dichloroethene
 Concen: 96.006 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	540874		
61	150.8		0.0	292.4
98	66.2		0.0	127.0

Manual Integrations
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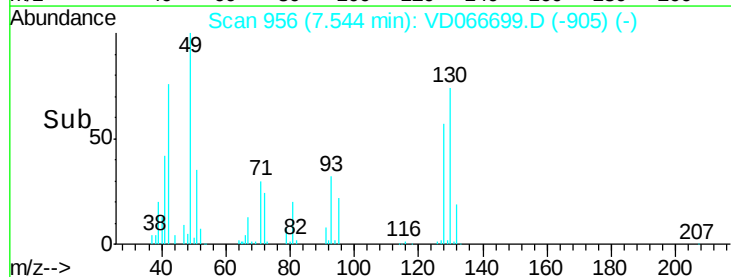
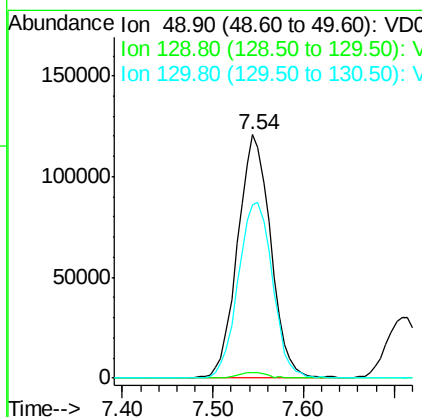
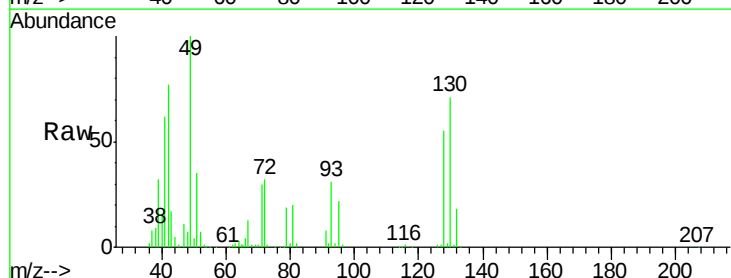
MMDadoda
 9/16/2020 11:44:21 AM

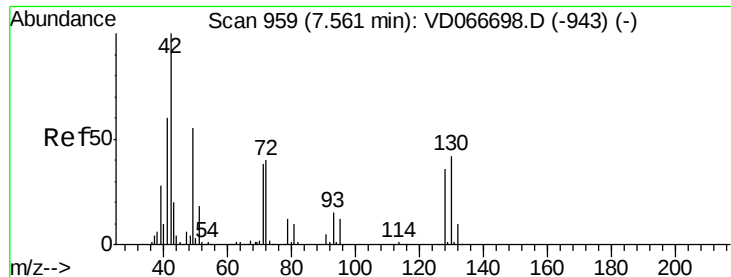


#28

Bromochloromethane
 Concen: 89.748 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	306818		
129	2.0		0.0	3.8
130	75.1		58.6	88.0





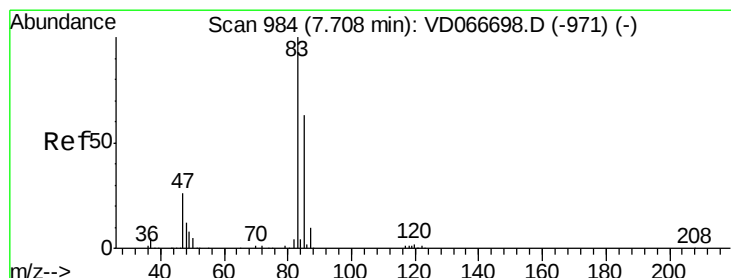
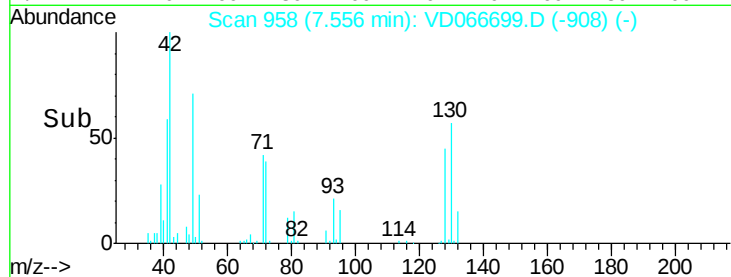
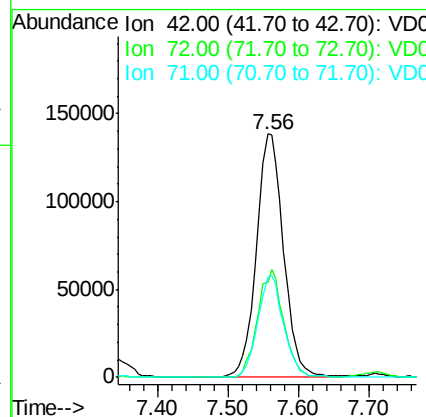
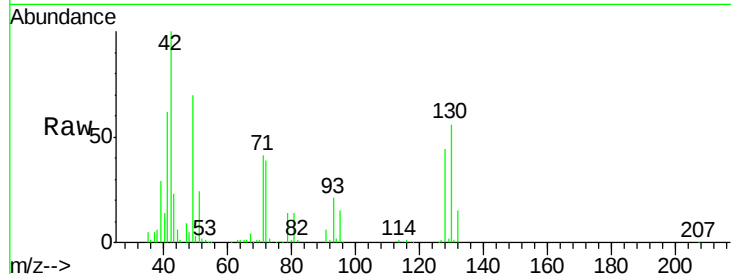
#29
Tetrahydrofuran
Concen: 487.161 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	32.6	48.8
71	40.1	30.6	45.8

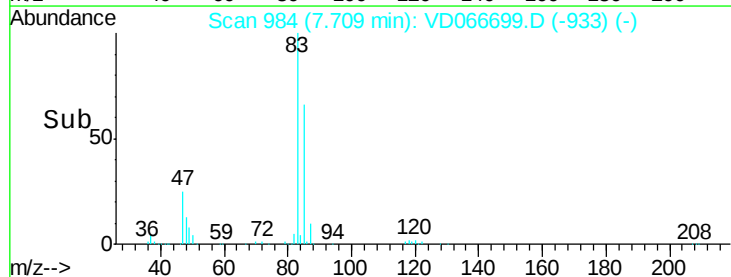
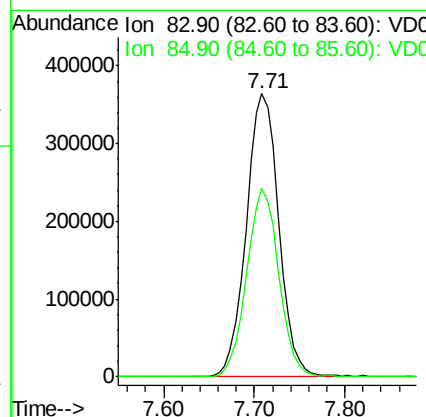
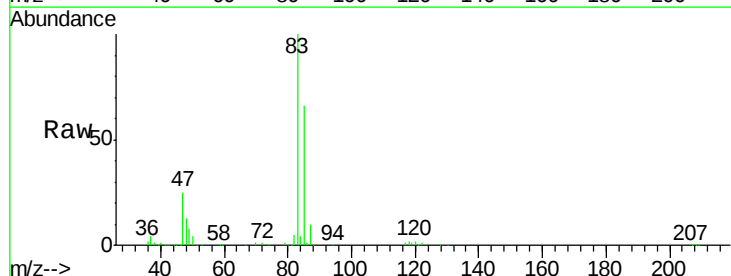
Manual Integrations
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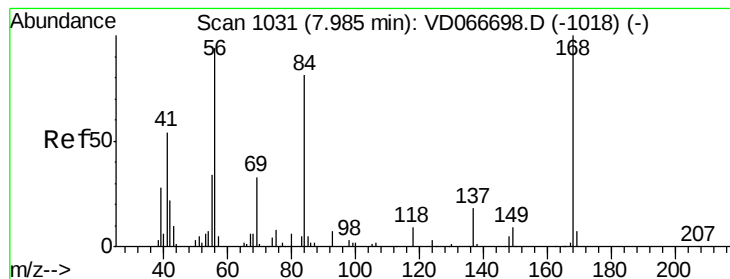
MMDadoda
9/16/2020 11:44:21 AM



#30
Chloroform
Concen: 93.104 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.6	76.0





#31

Cyclohexane

Concen: 93.641 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 779582

Ion Ratio Lower Upper

56 100

69 30.6 27.7 41.5

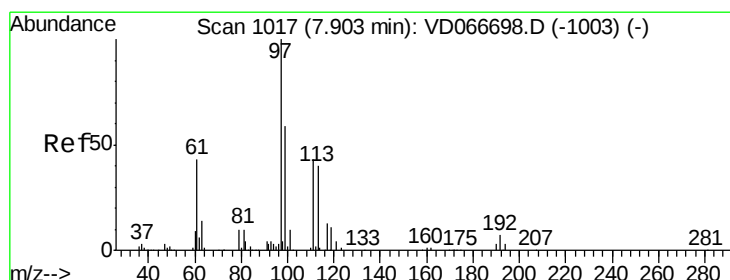
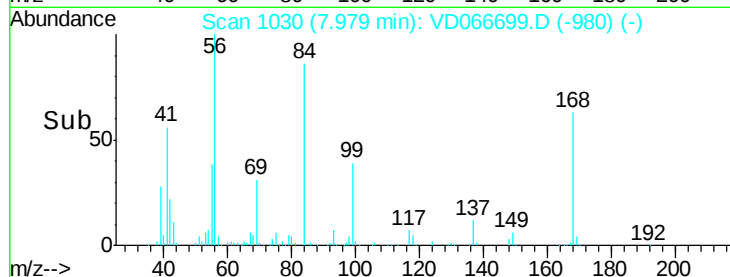
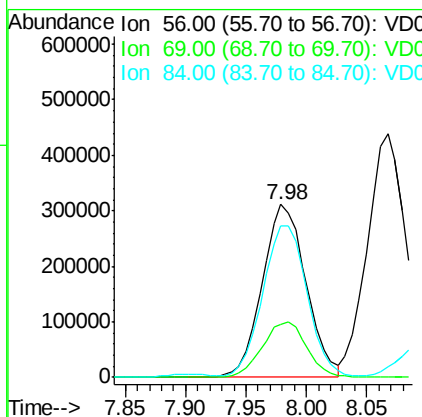
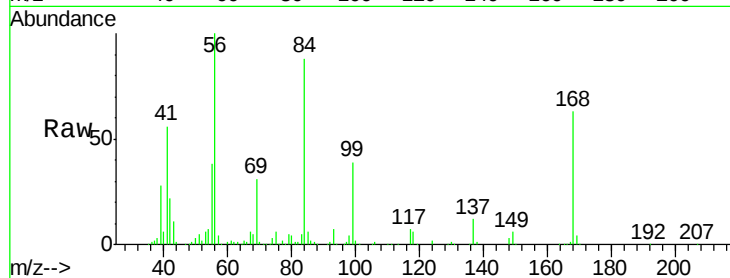
84 86.1 68.5 102.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 95.645 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

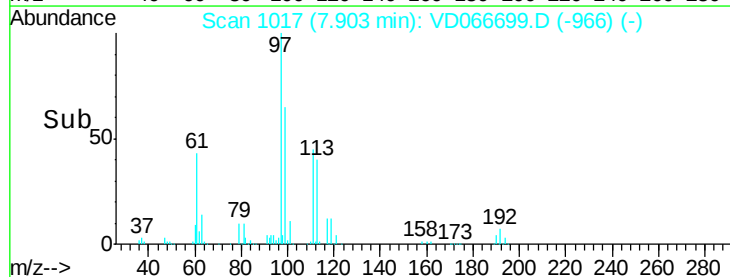
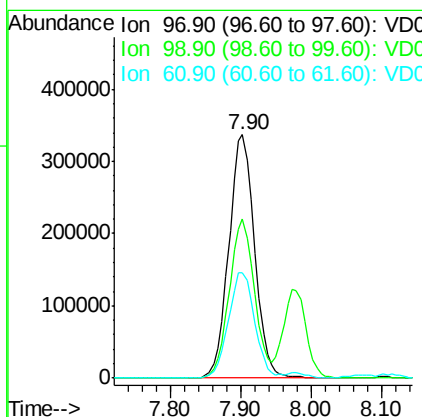
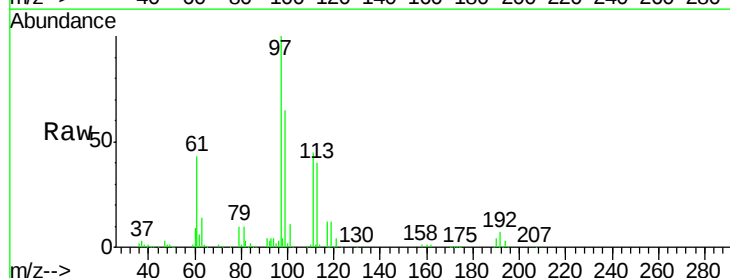
Tgt Ion: 97 Resp: 852557

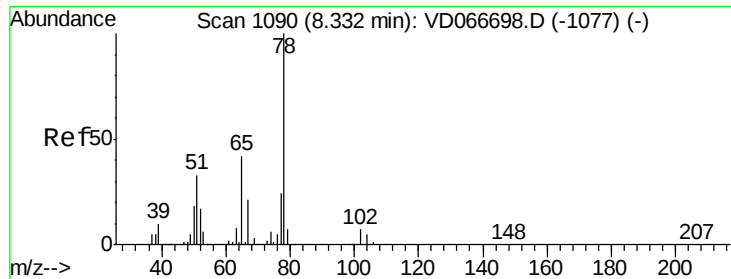
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 44.5 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 93.672 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 441483

Ion Ratio Lower Upper

65 100

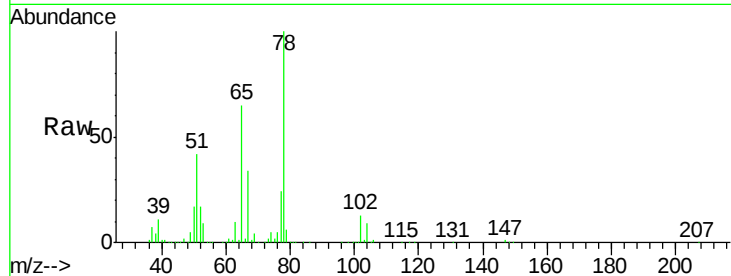
67 51.4 0.0 102.2

Manual Integrations

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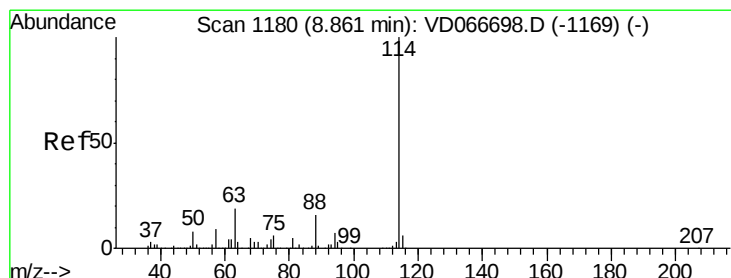
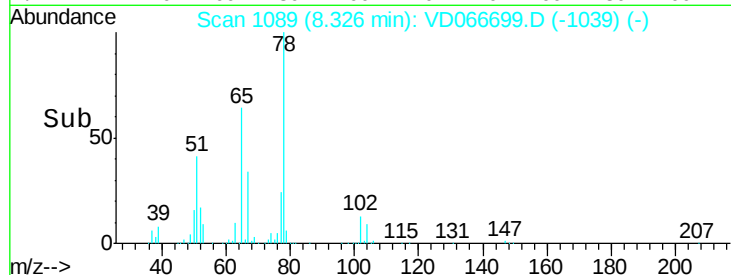
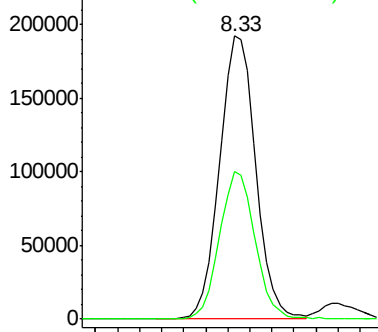
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

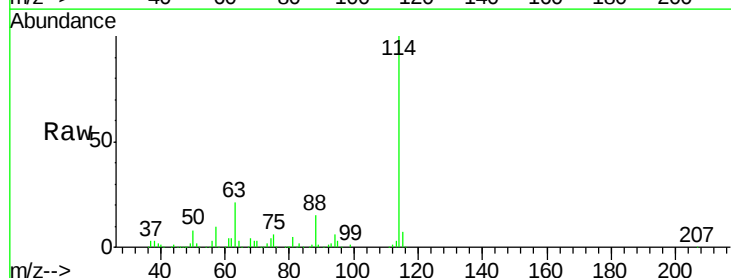
Tgt Ion: 114 Resp: 710274

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.6

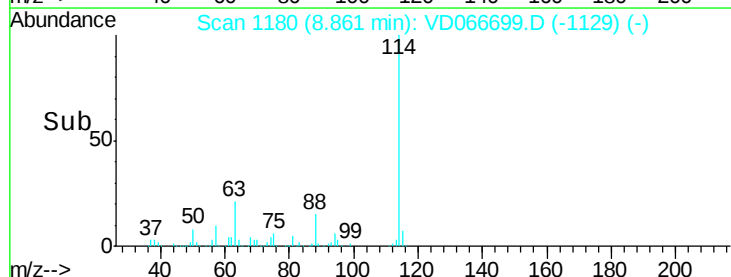
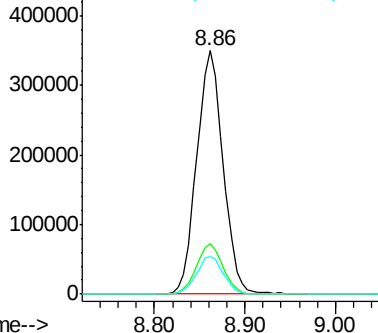
88 15.2 0.0 32.2

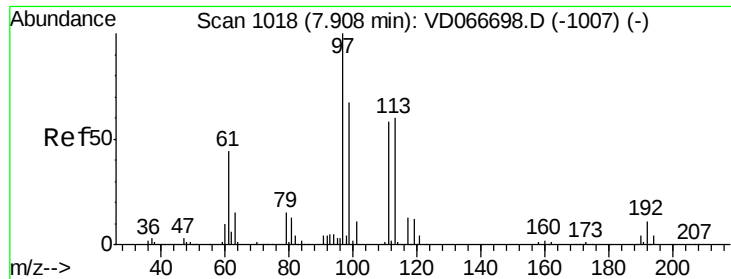


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





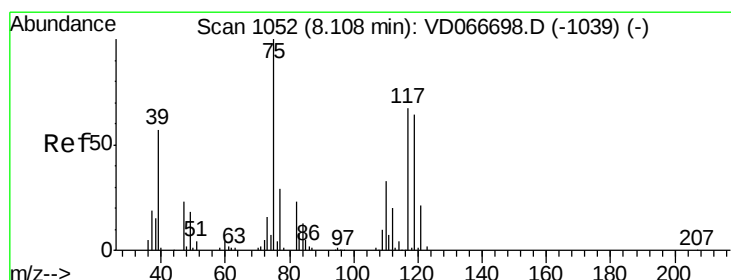
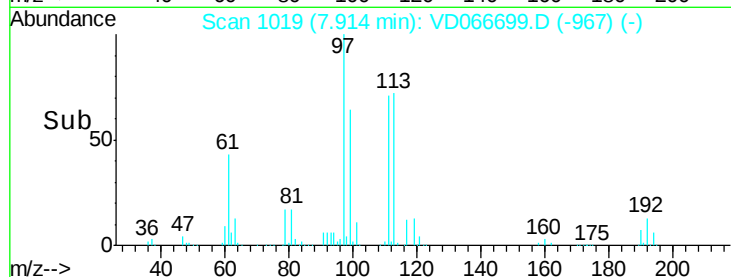
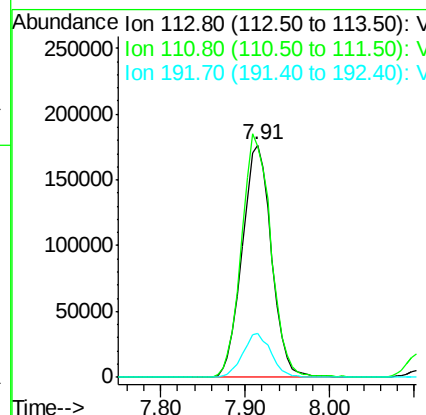
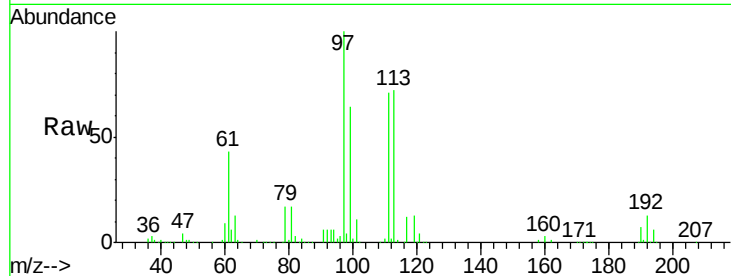
#35
Dibromofluoromethane
Concen: 97.438 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	424311		
111	105.2	83.2	124.8	
192	18.3	14.8	22.2	

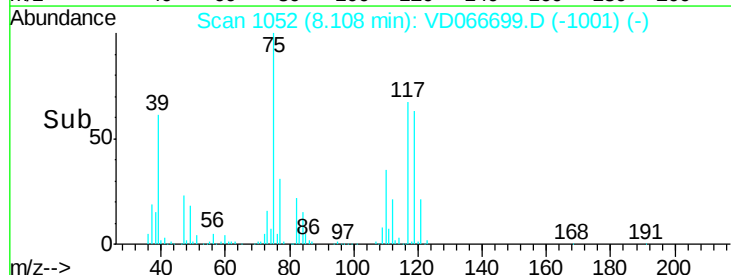
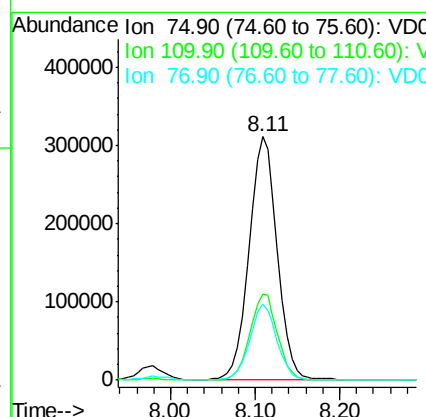
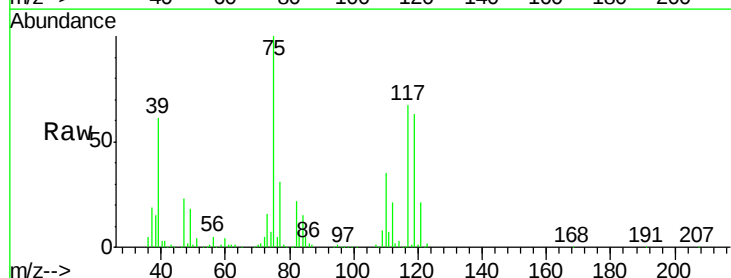
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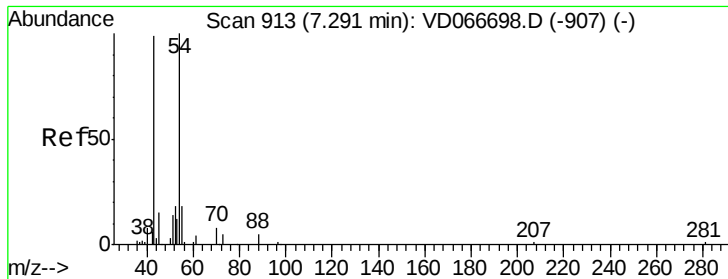
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#36
1,1-Dichloropropene
Concen: 98.351 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	718217		
110	35.0	17.1	51.2	
77	30.6	25.0	37.6	





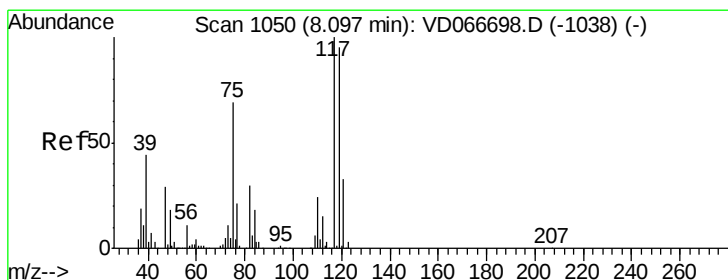
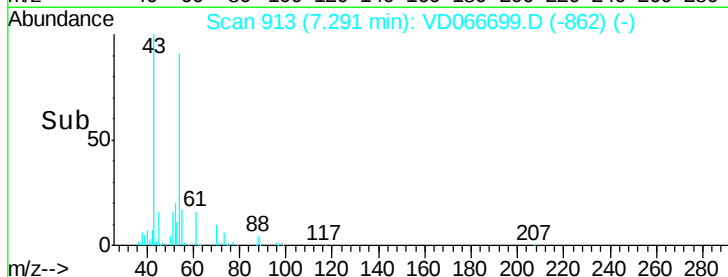
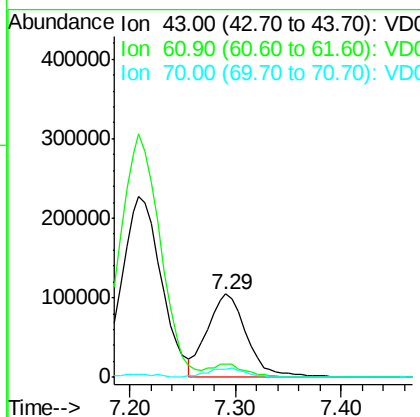
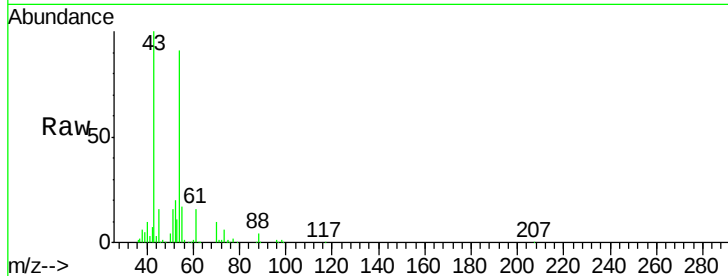
#37
Ethyl Acetate
Concen: 97.219 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.4	15.6
70	10.6	7.5	11.3

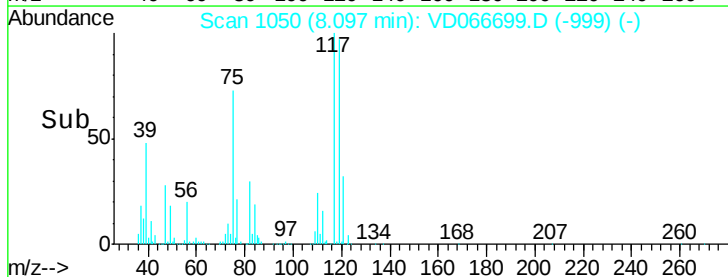
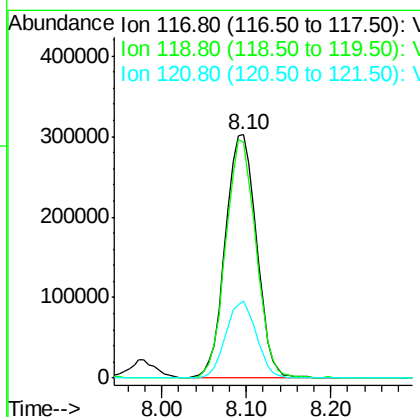
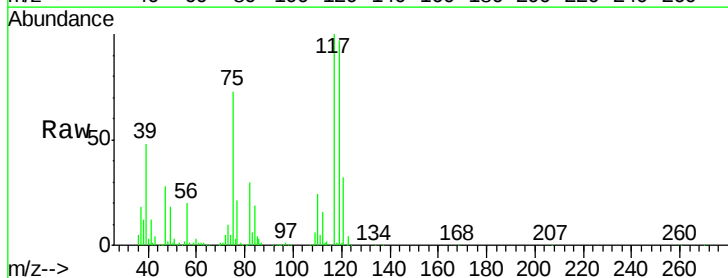
Manual Integrations
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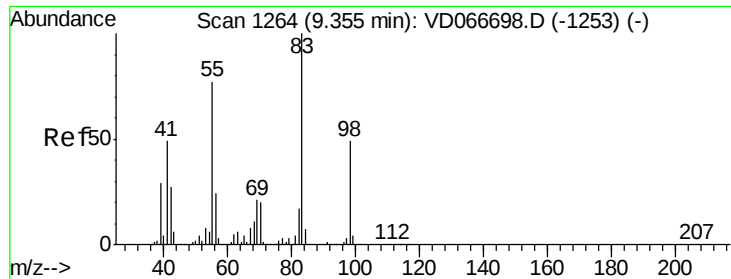
MMDadoda
9/16/2020 11:44:21 AM



#38
Carbon Tetrachloride
Concen: 99.262 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.6
121	31.6	26.2	39.4





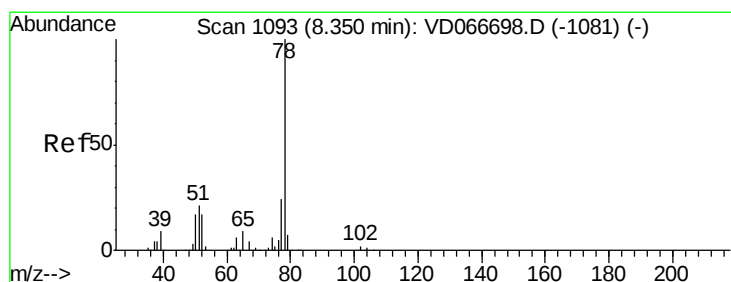
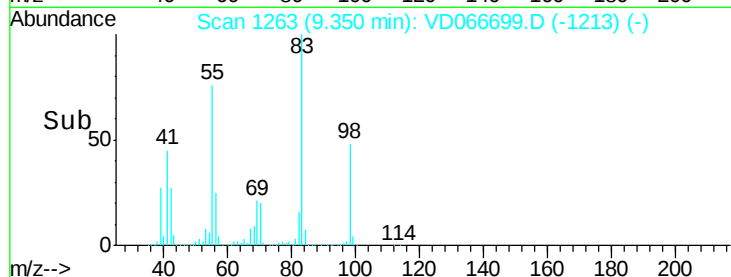
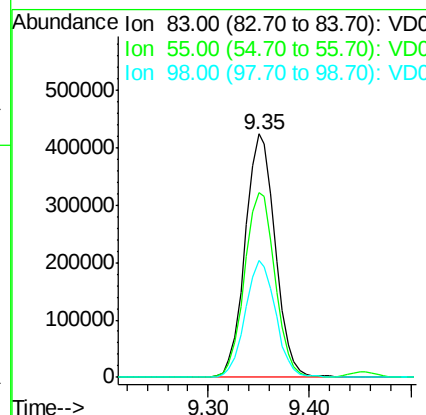
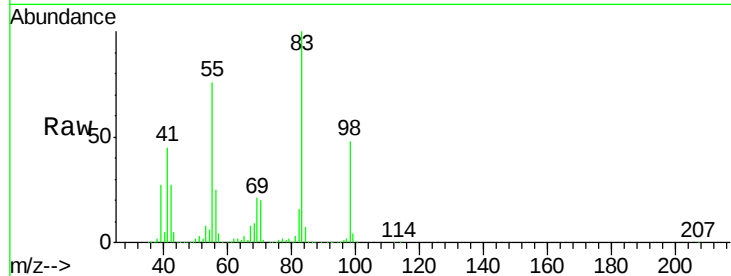
#39
Methvlcvclohexane
Concen: 104.785 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.5	92.3
98	48.1	39.3	58.9

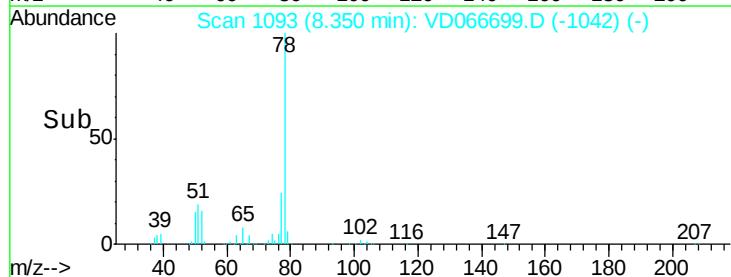
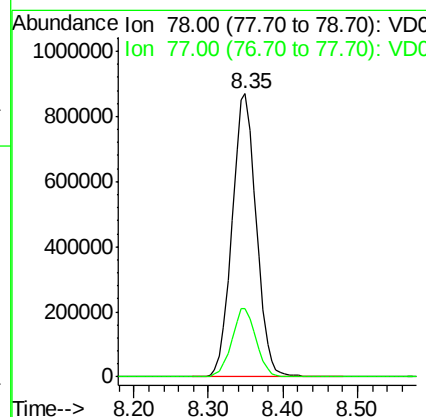
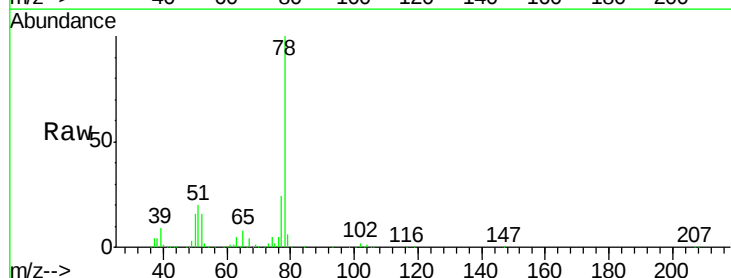
Manual Integrations
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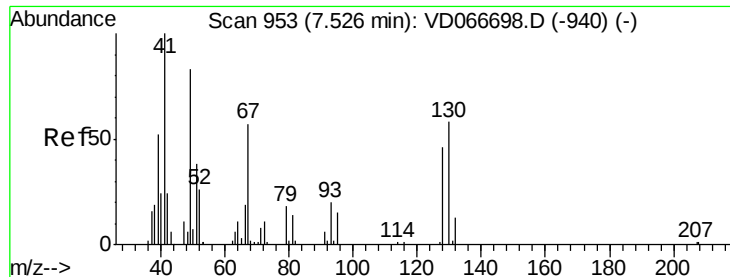
MMDadoda
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#40
Benzene
Concen: 99.646 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





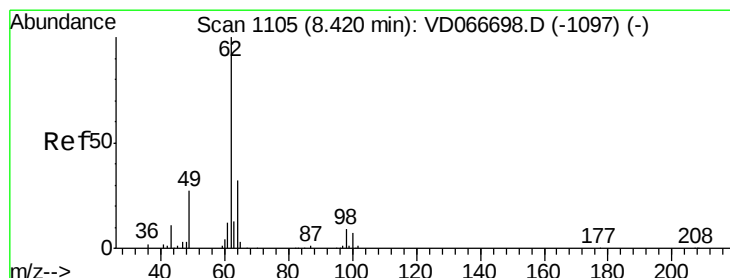
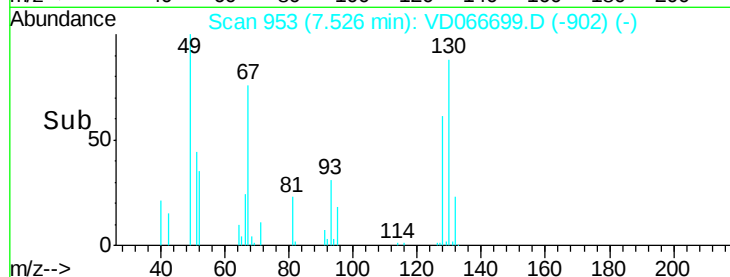
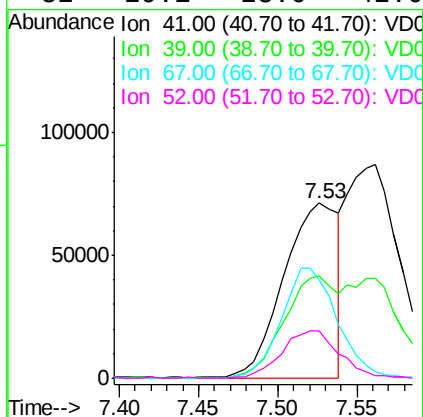
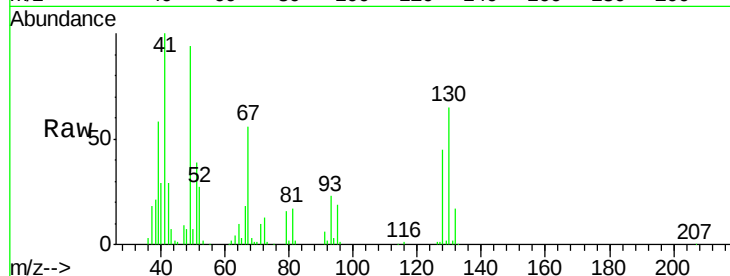
#41
Methacrylonitrile
Concen: 126.835 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	59.3	88.9#
67	65.1	62.3	93.5
52	29.1	28.0	42.0

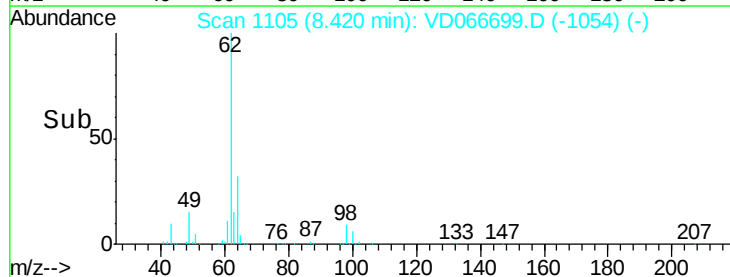
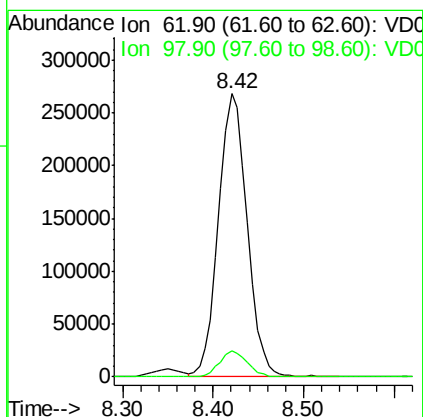
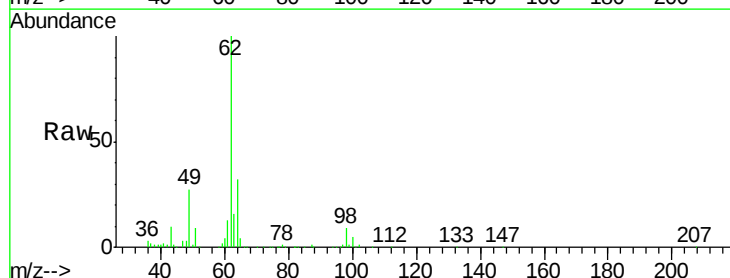
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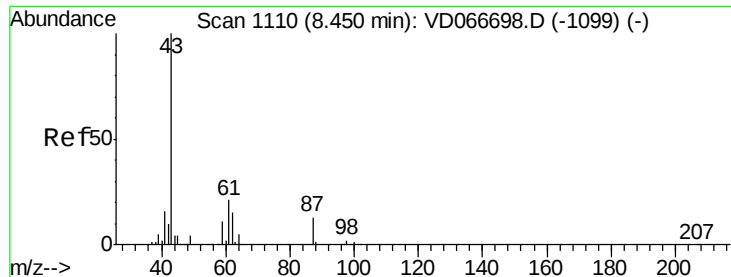
MMDadoda
9/16/2020 11:44:21 AM



#42
1,2-Dichloroethane
Concen: 95.941 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6





#43

Isopropyl Acetate

Concen: 99.737 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

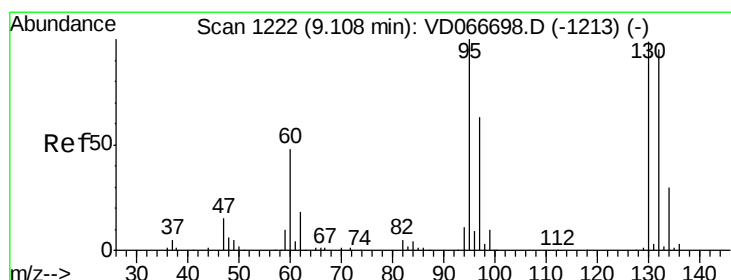
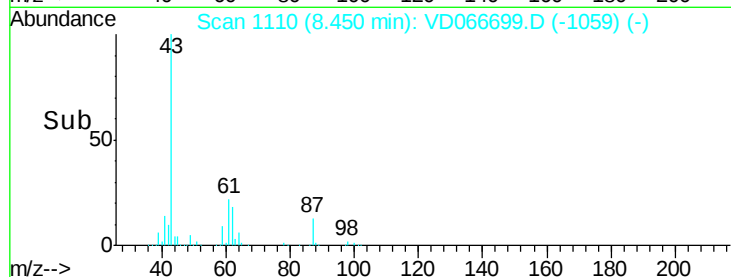
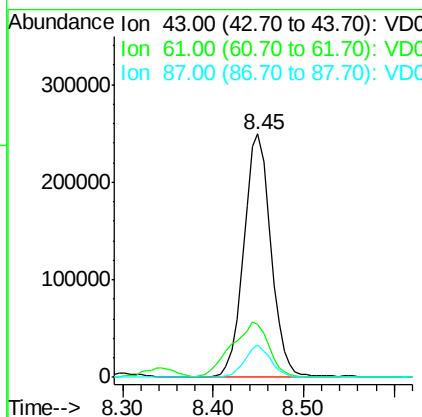
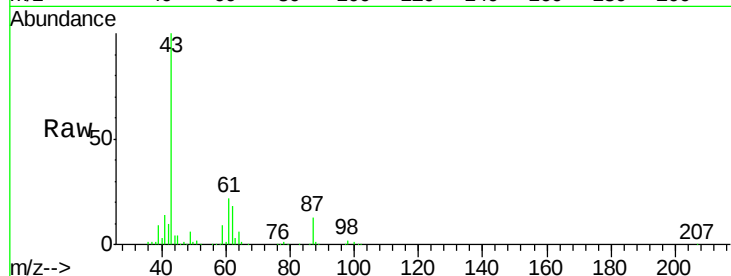
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	518987
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.8	37.2
87	12.7	10.4	15.6

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#44

Trichloroethene

Concen: 99.967 ug/l

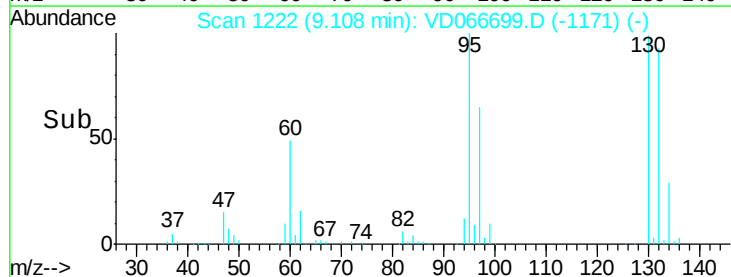
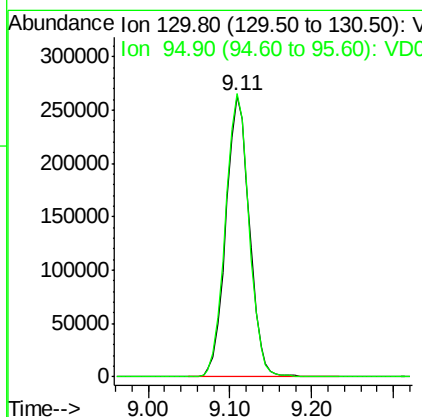
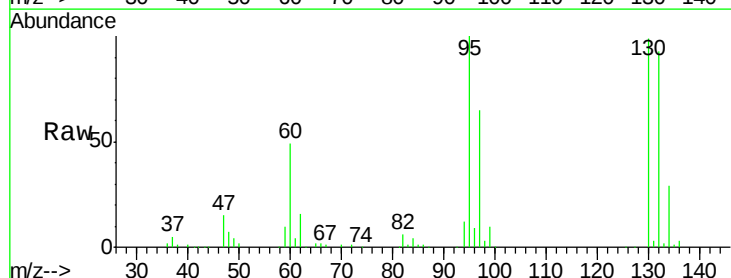
RT: 9.11 min Scan# 1222

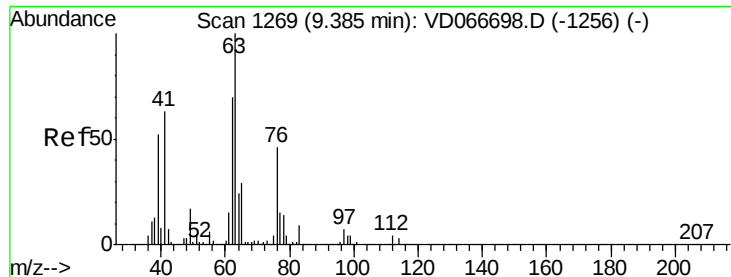
Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion:	130	Resp:	528061
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	201.4





#45

1,2-Dichloropropane

Concen: 98.729 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 482209

Ion Ratio Lower Upper

63 100

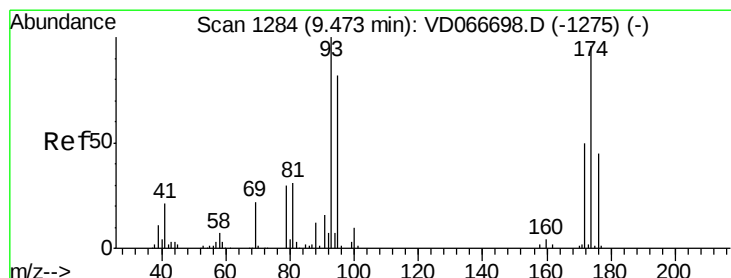
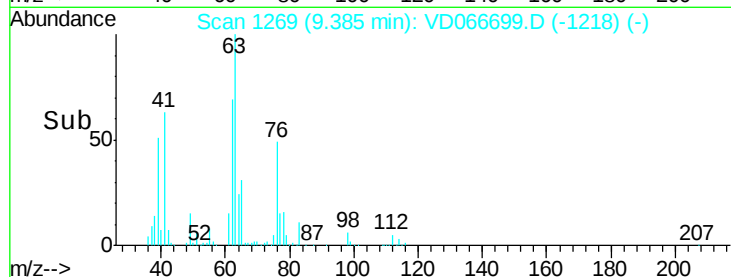
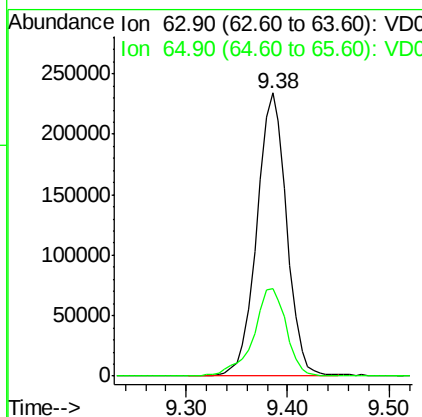
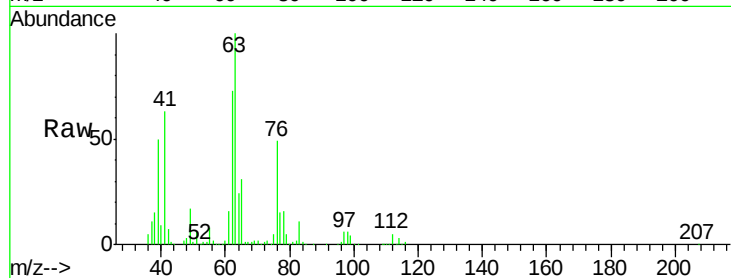
65 31.0 23.4 35.0

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#46

Dibromomethane

Concen: 98.556 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

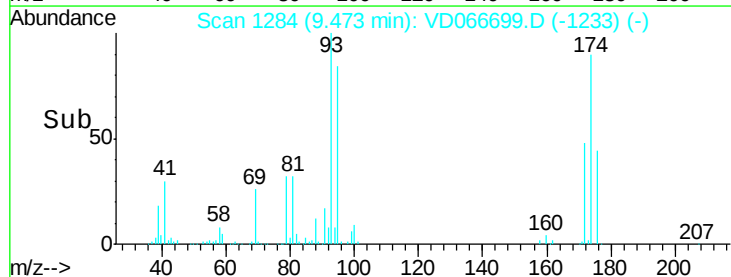
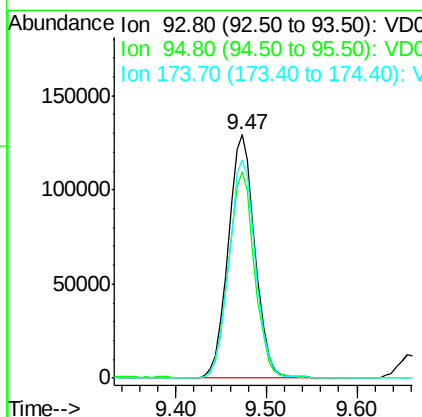
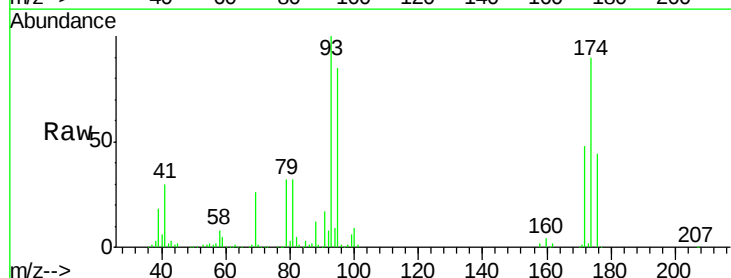
Tgt Ion: 93 Resp: 264510

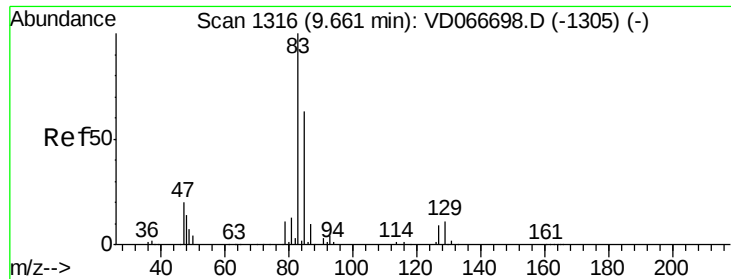
Ion Ratio Lower Upper

93 100

95 83.2 66.0 99.0

174 88.8 72.3 108.5





#47

Bromodichloromethane

Concen: 98.879 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

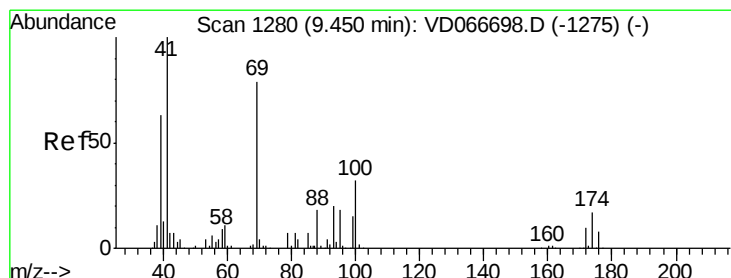
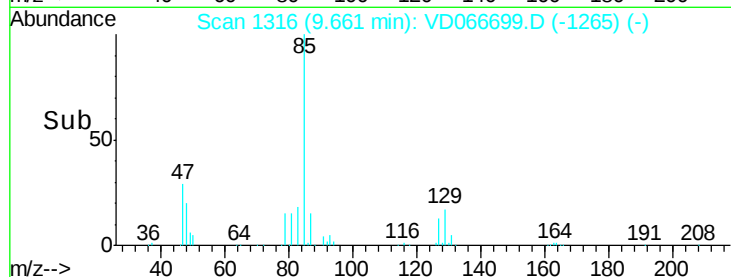
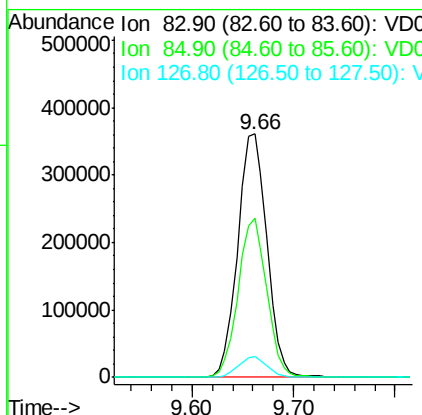
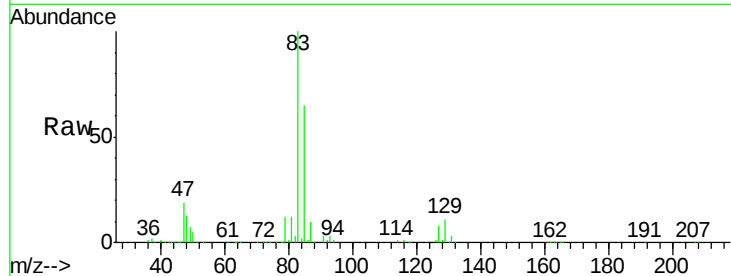
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	723138
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.1	75.1
127	8.3	6.9	10.3

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#48

Methyl methacrylate

Concen: 98.454 ug/l

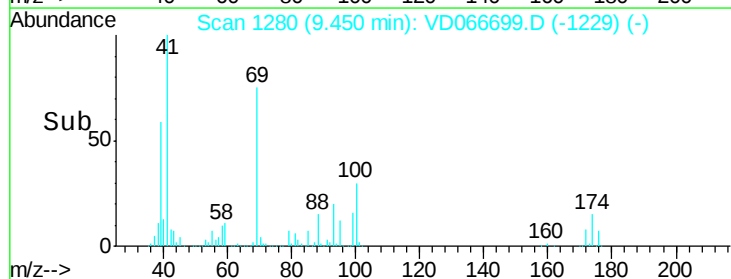
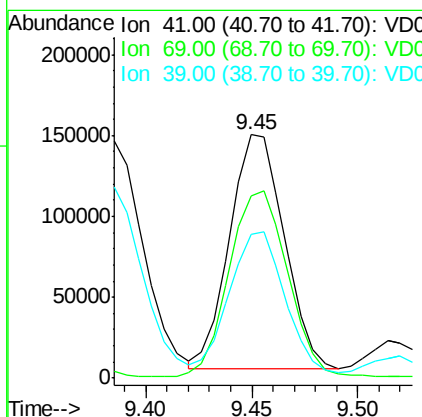
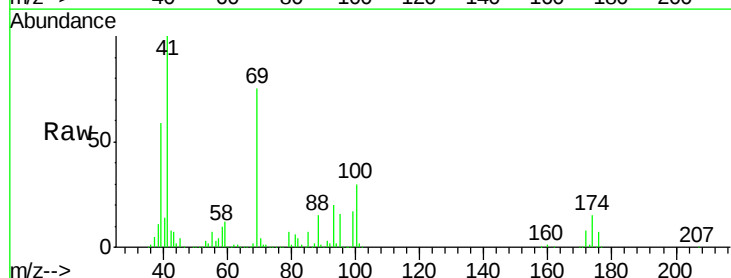
RT: 9.45 min Scan# 1280

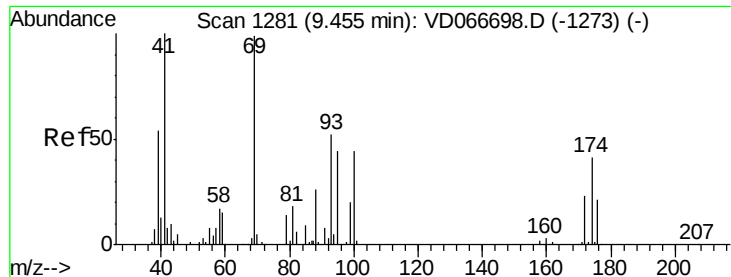
Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion:	41	Resp:	260587
Ion Ratio	Lower	Upper	
41	100		
69	86.9	62.4	93.6
39	60.2	44.8	67.2





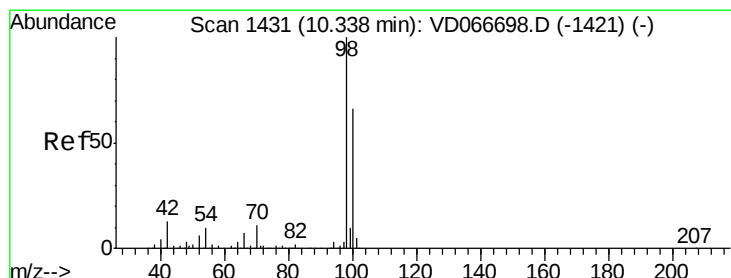
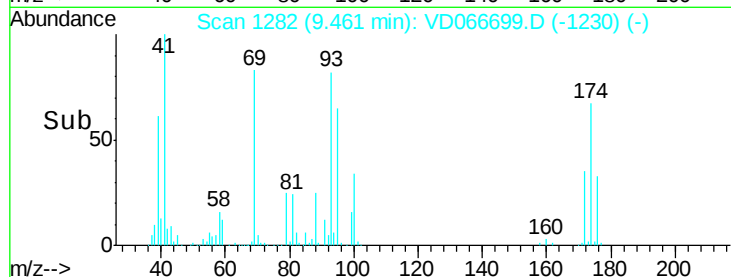
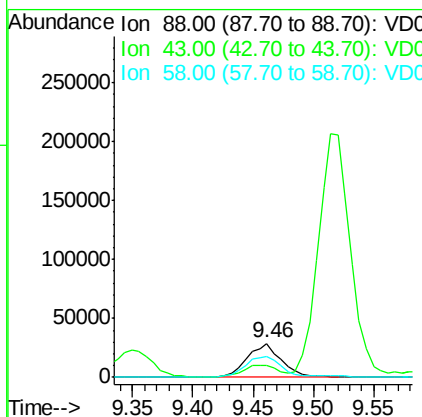
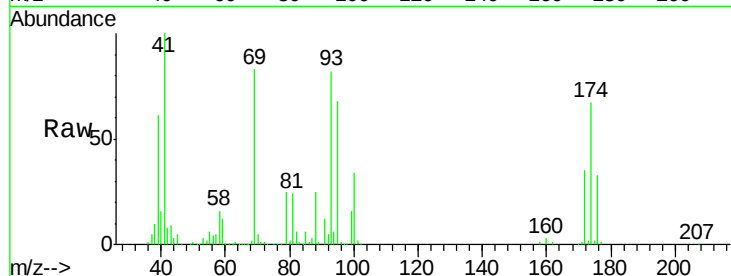
#49
1,4-Dioxane
Concen: 1969.491 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.1	29.3	43.9	
58	66.2	51.4	77.2	

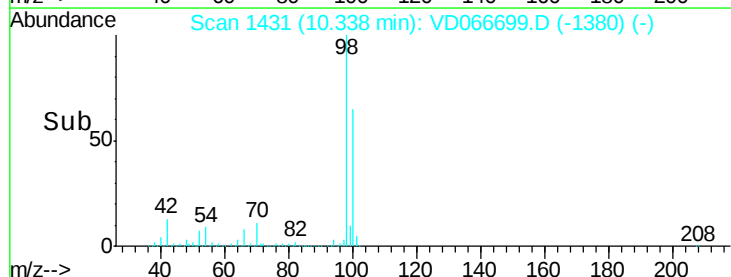
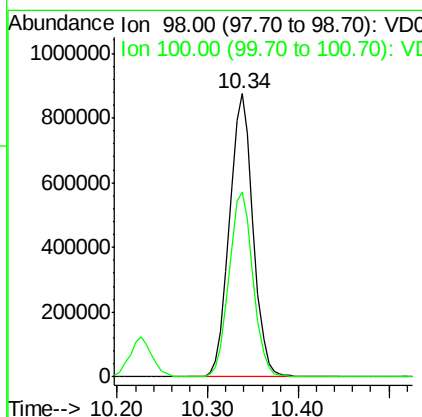
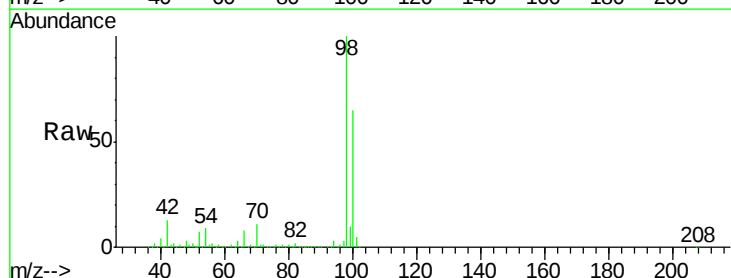
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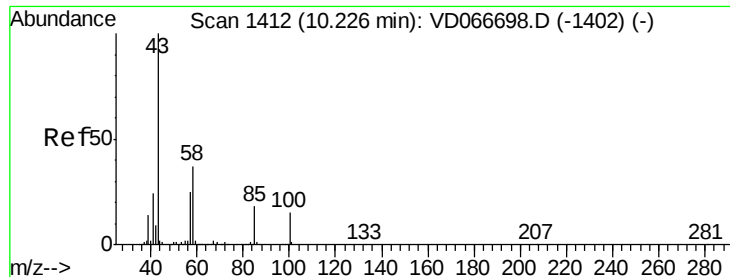
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#50
Toluene-d8
Concen: 102.151 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.5	52.7	79.1	





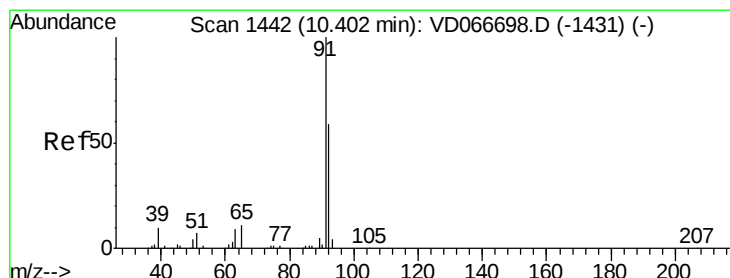
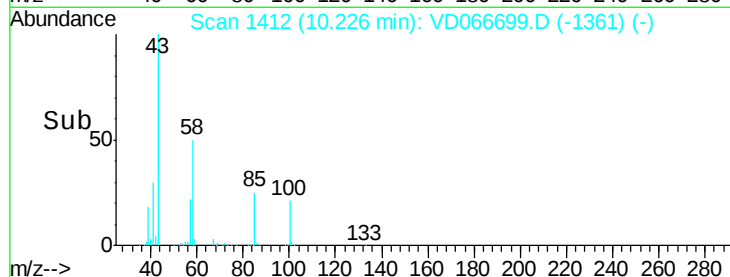
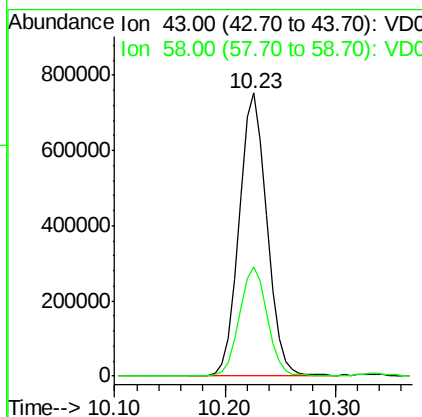
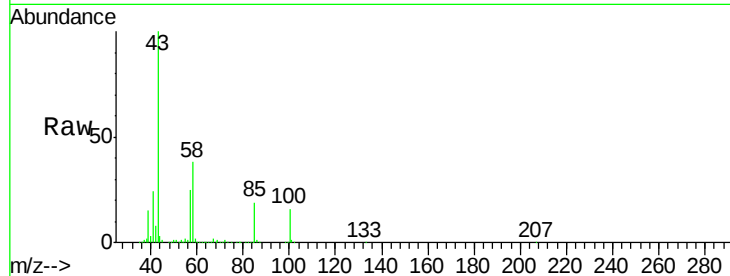
#51
 4-Methyl-2-Pentanone
 Concen: 498.142 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1334508
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.4 45.6

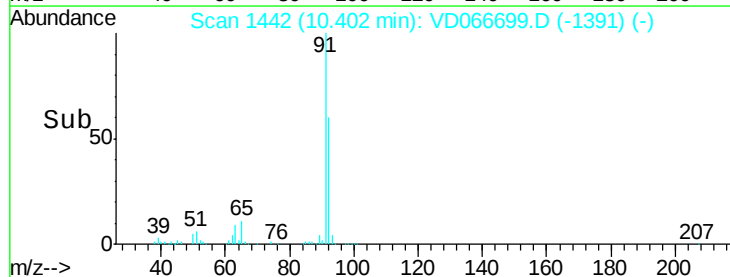
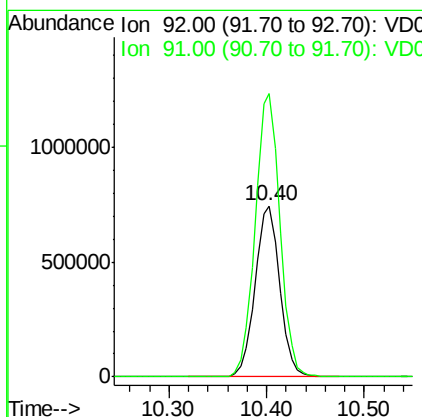
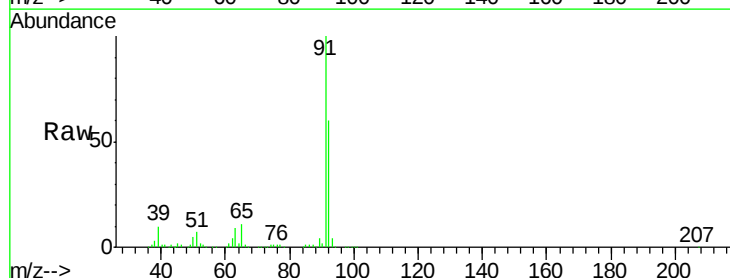
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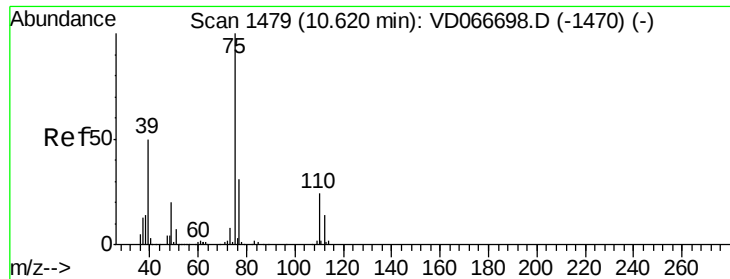
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#52
 Toluene
 Concen: 103.609 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion: 92 Resp: 1311313
 Ion Ratio Lower Upper
 92 100
 91 167.4 135.8 203.8





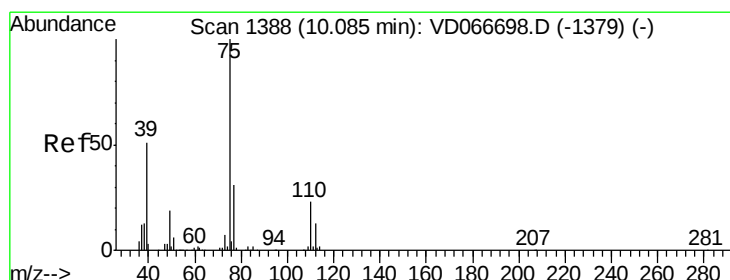
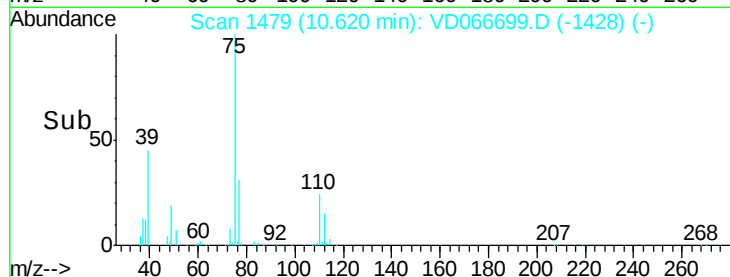
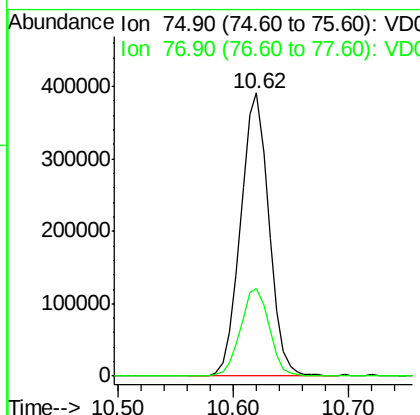
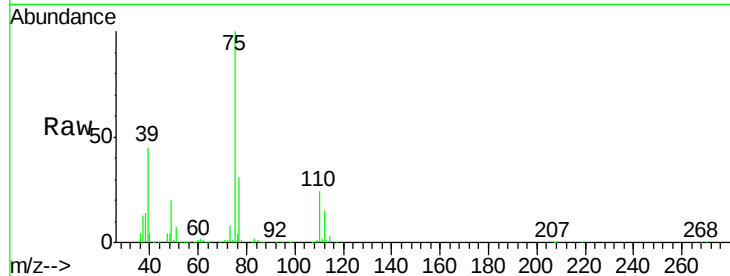
#53
t-1,3-Dichloropropene
Concen: 101.982 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 666270
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8

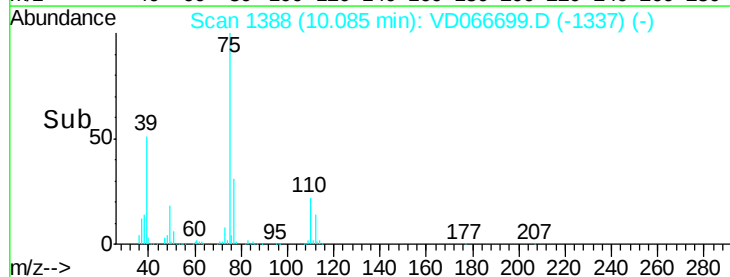
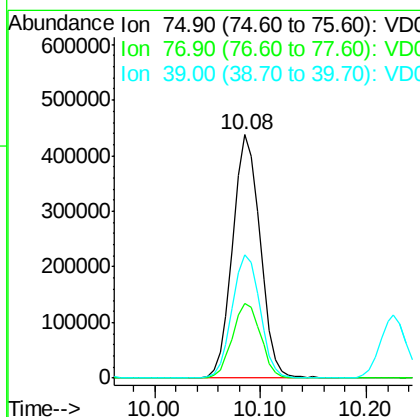
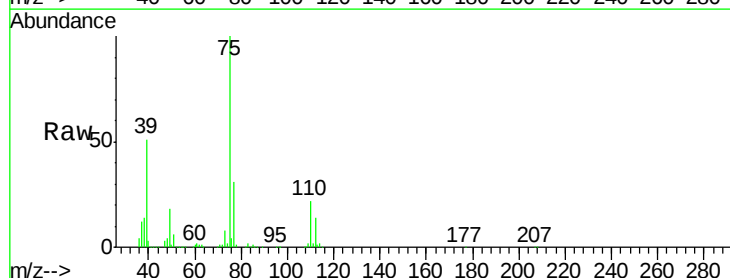
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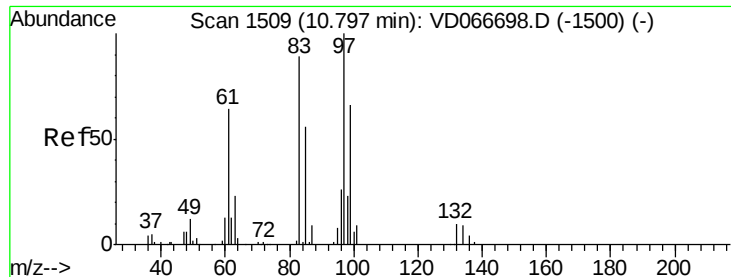
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#54
cis-1,3-Dichloropropene
Concen: 101.755 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 75 Resp: 789602
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.6
39 50.5 40.6 61.0





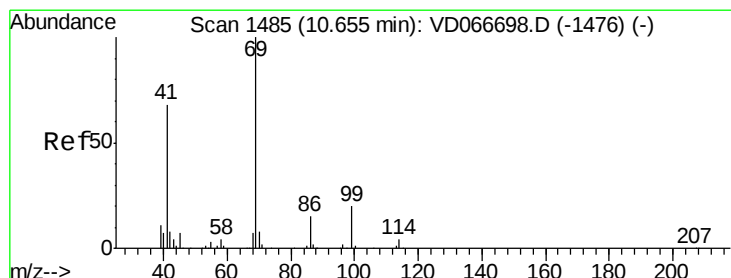
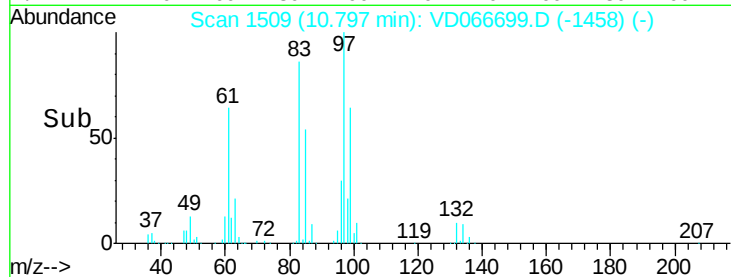
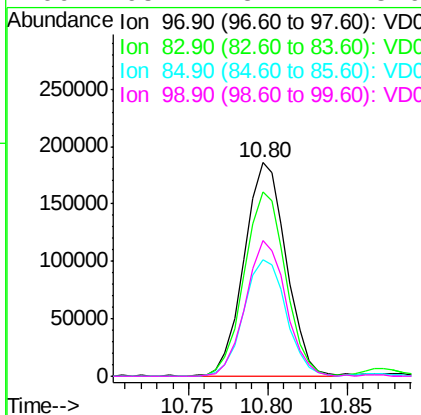
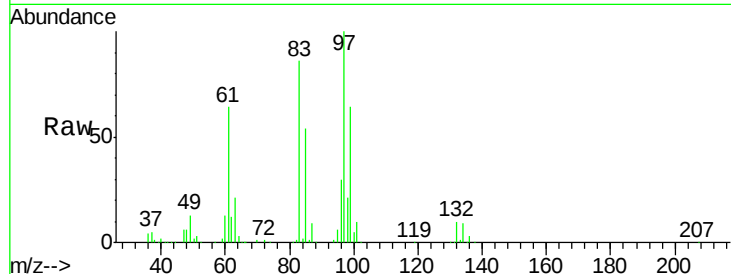
#55
 1,1,2-Trichloroethane
 Concen: 97.039 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	71.4	107.2
85	54.4	44.7	67.1
99	63.4	52.4	78.6

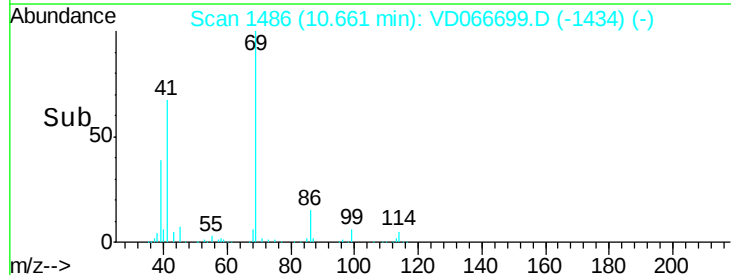
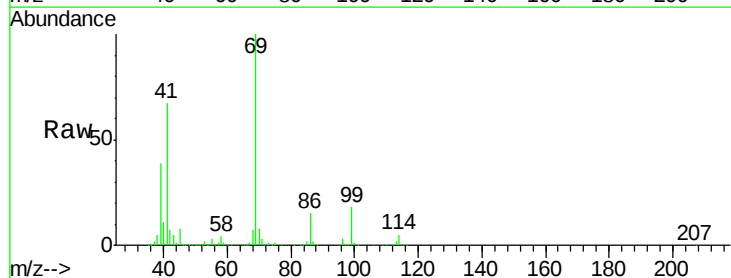
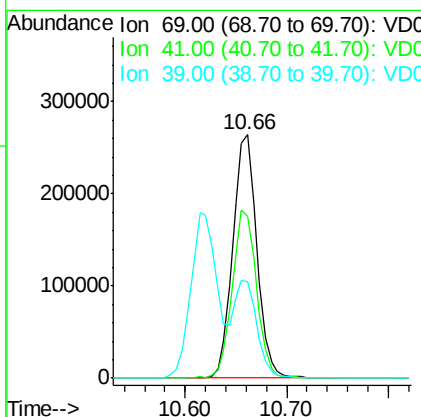
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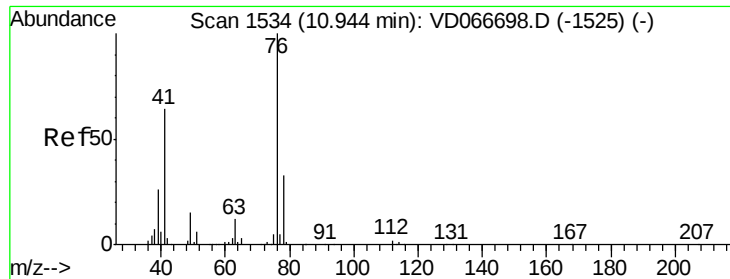
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#56
 Ethyl methacrylate
 Concen: 108.561 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.5	83.3
39	36.4	29.7	44.5





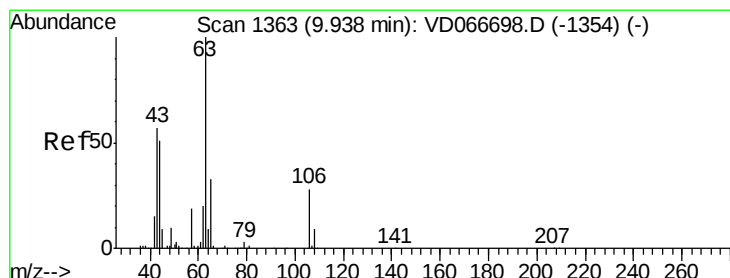
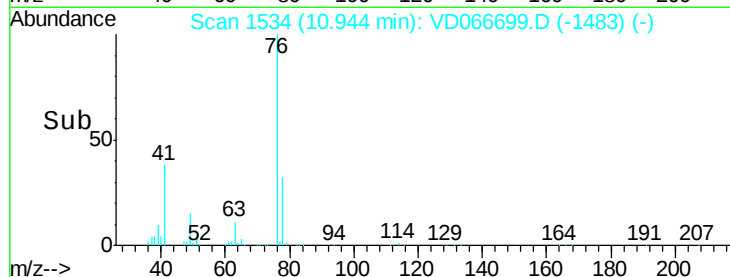
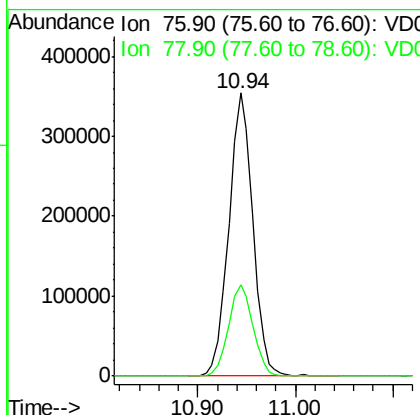
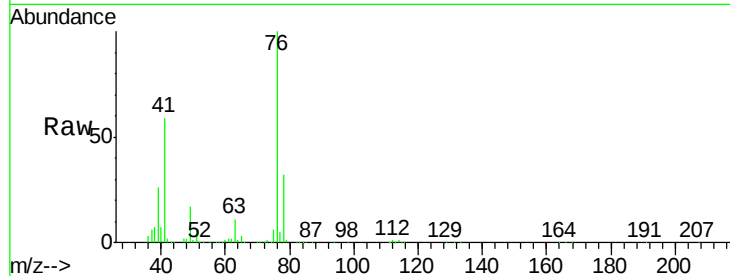
#57
 1,3-Dichloropropane
 Concen: 97.015 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.2

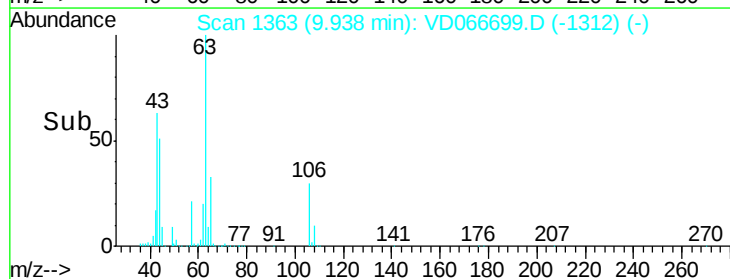
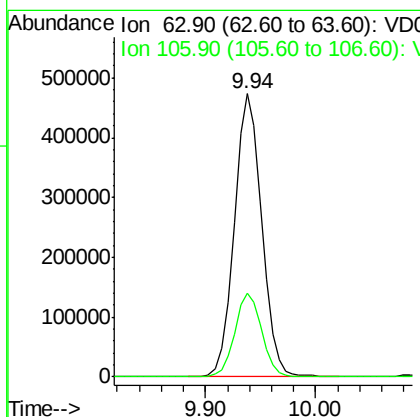
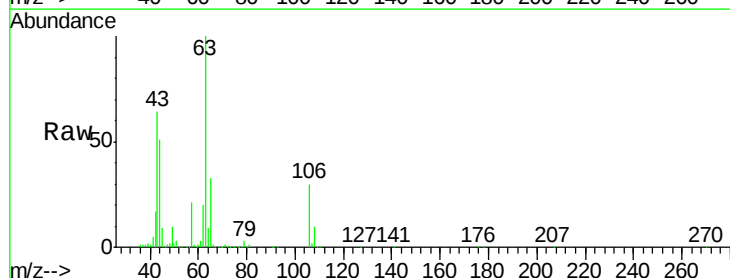
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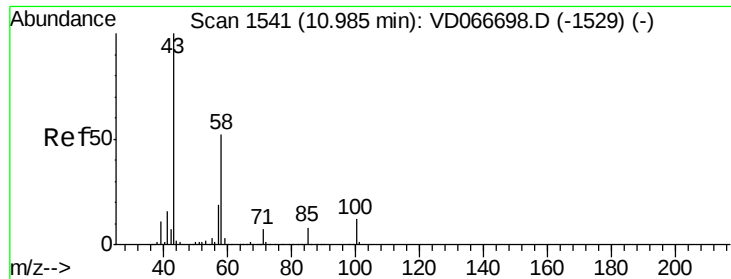
MMDadoda
 9/16/2020 11:44:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 468.010 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.2	33.4





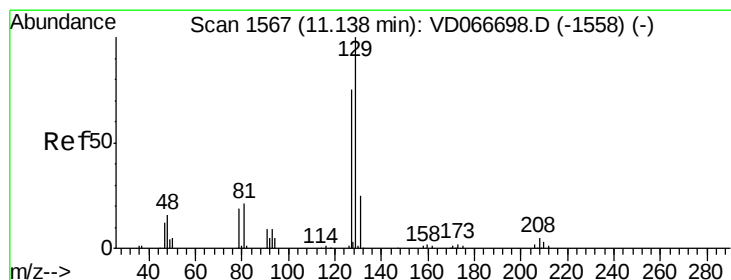
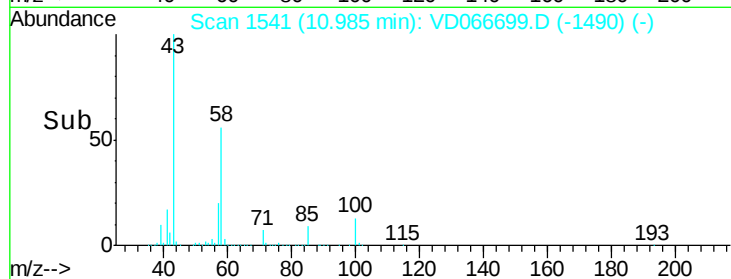
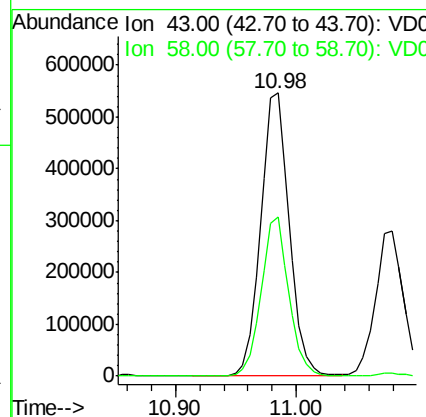
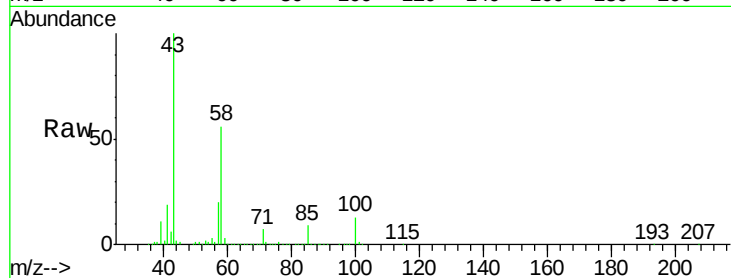
#59
2-Hexanone
Concen: 502.318 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 904193
Ion Ratio Lower Upper
43 100
58 54.2 26.2 78.5

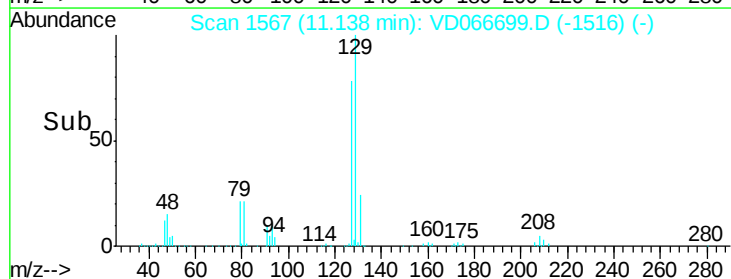
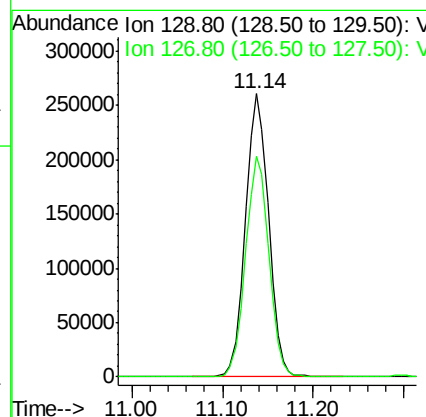
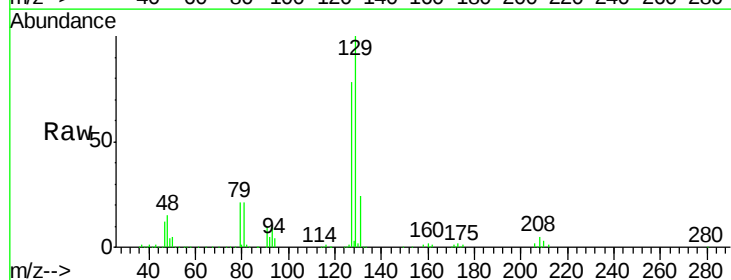
Manual Integrations
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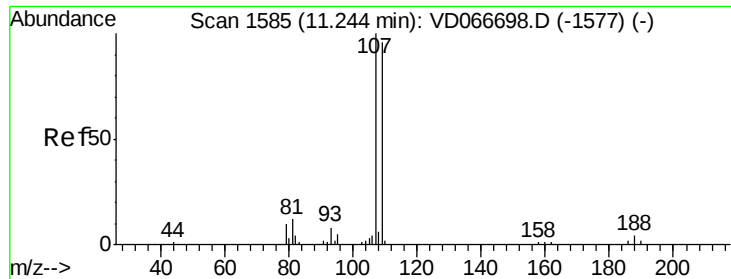
MMDadoda
9/16/2020 11:44:21 AM



#60
Dibromochloromethane
Concen: 100.322 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 129 Resp: 462564
Ion Ratio Lower Upper
129 100
127 78.4 38.1 114.3





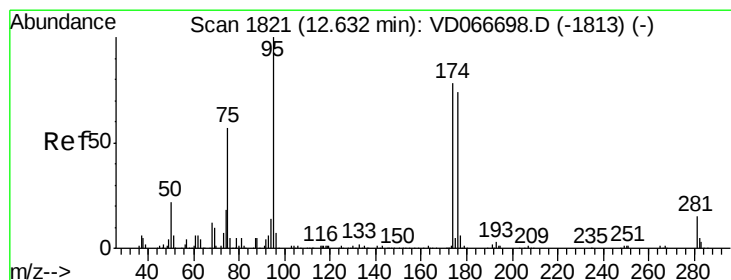
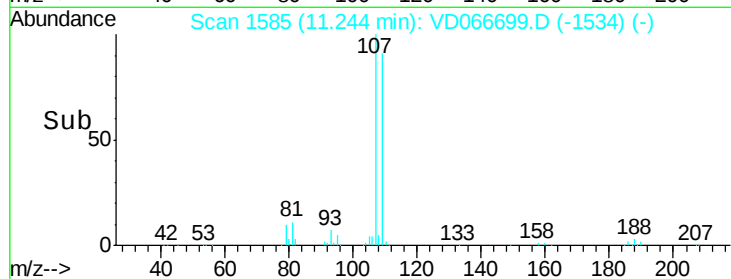
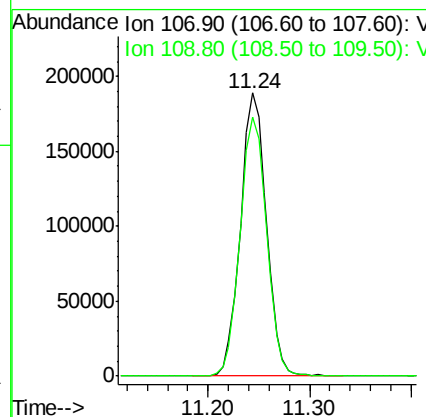
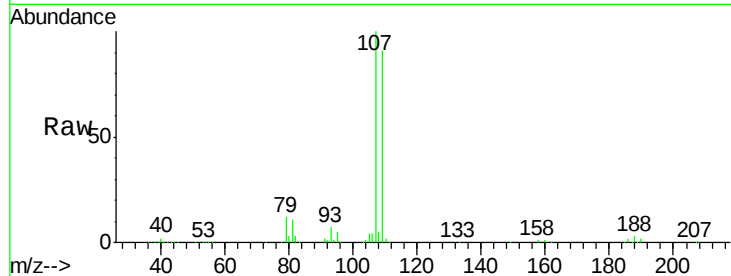
#61
 1,2-Dibromoethane
 Concen: 98.800 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.6	113.4

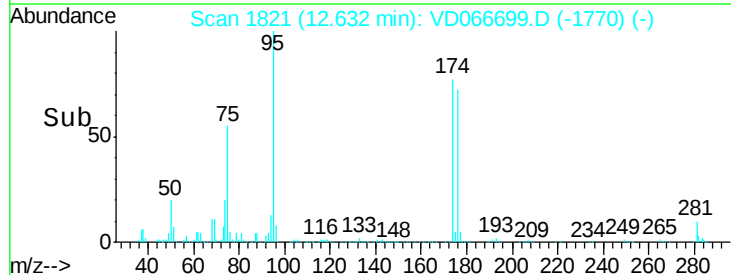
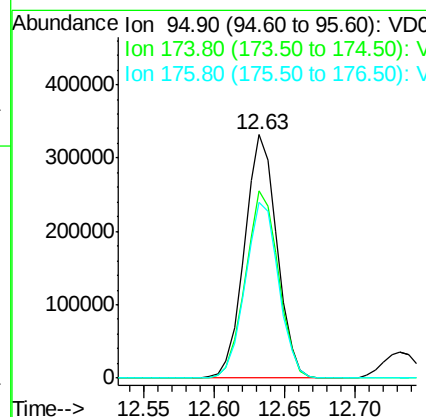
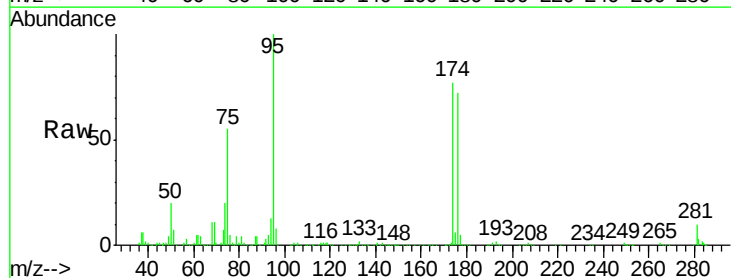
Manual Integrations
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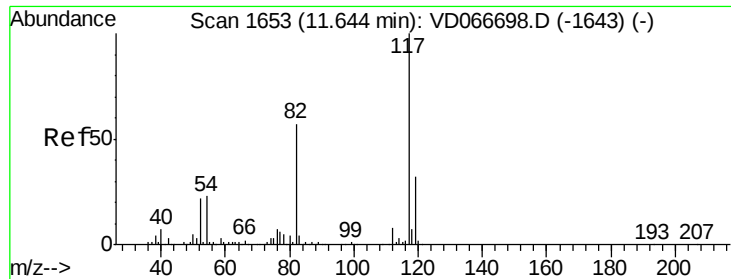
MMDadoda
 9/16/2020 11:44:21 AM



#62
 4-Bromofluorobenzene
 Concen: 99.422 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	156.6
176	74.4	0.0	150.2





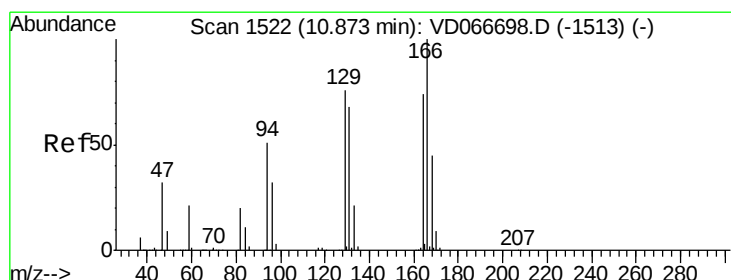
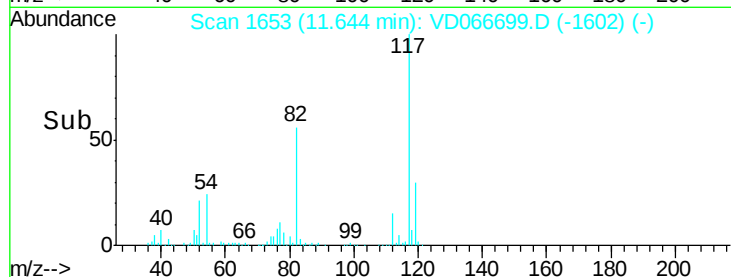
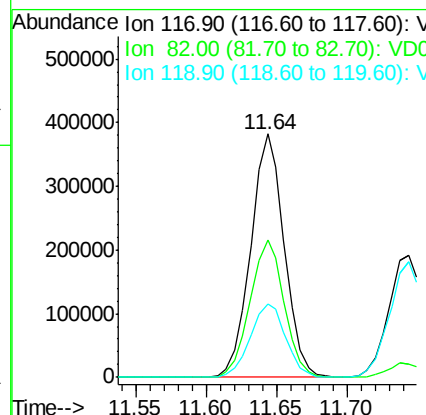
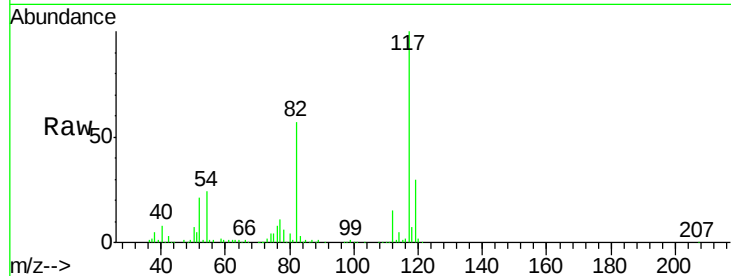
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.0
119	30.2	25.8	38.6

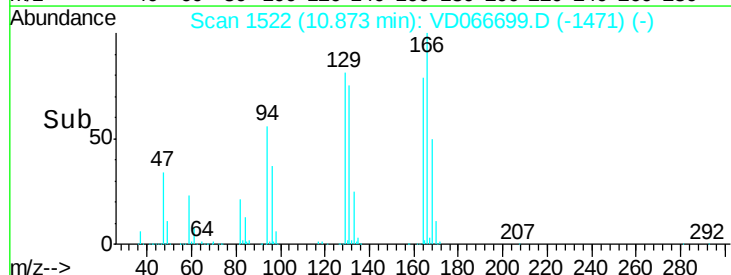
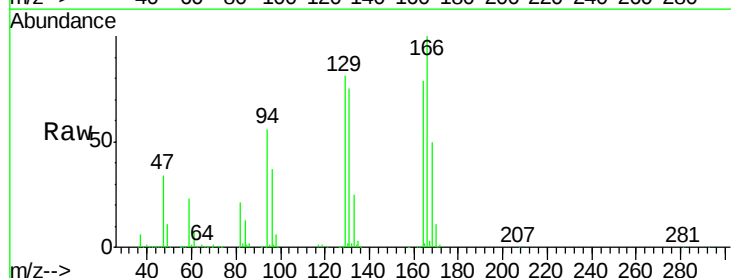
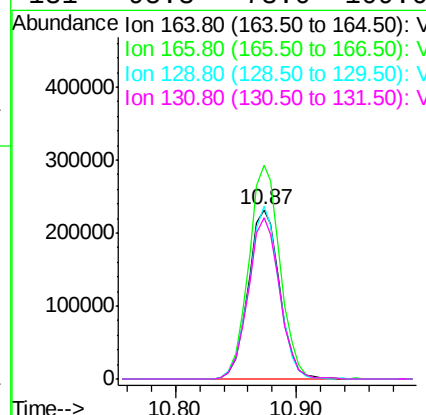
Manual Integrations
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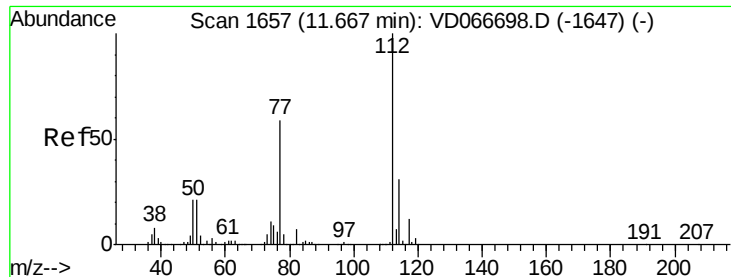
MMDadoda
9/16/2020 11:44:21 AM



#64
Tetrachloroethene
Concen: 96.572 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	107.5	161.3
129	102.6	81.4	122.0
131	95.3	73.0	109.6





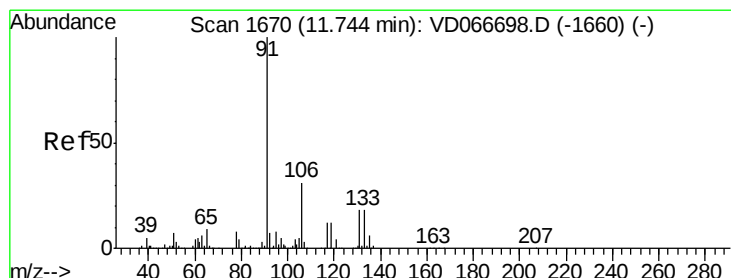
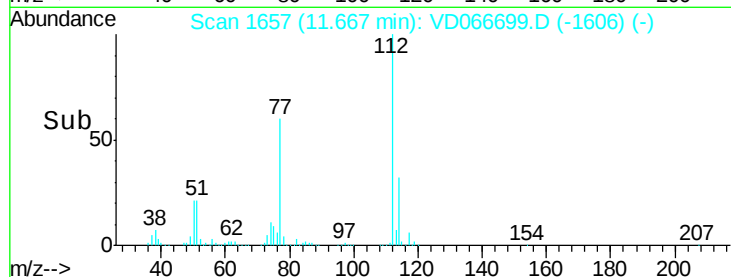
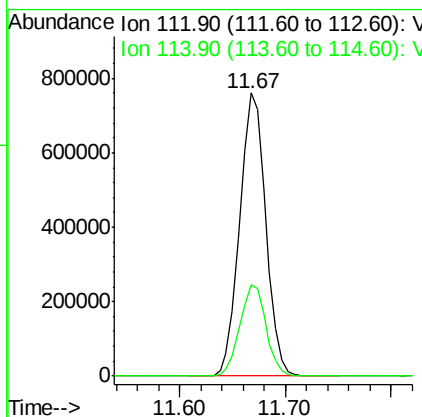
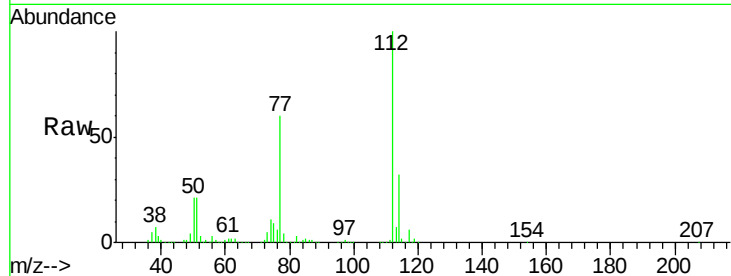
#65
Chlorobenzene
Concen: 98.653 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1298940
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

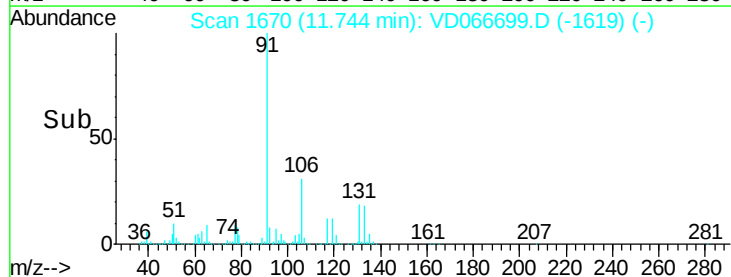
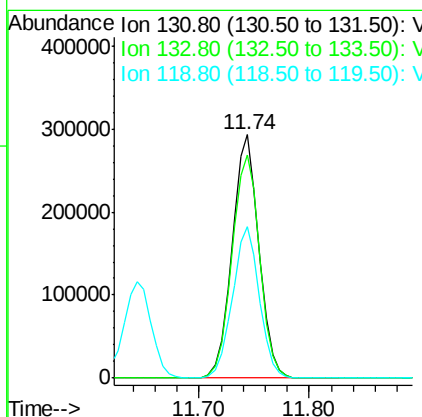
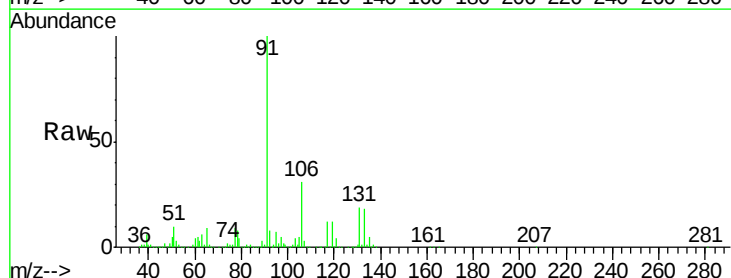
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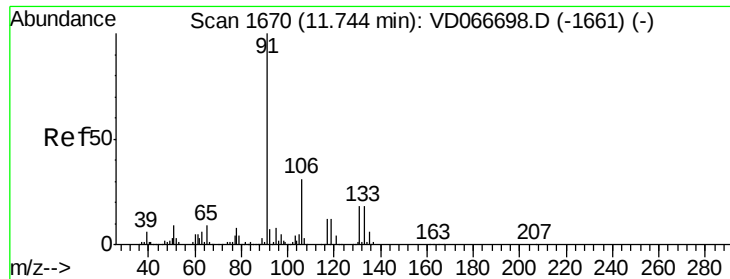
MMDadoda
9/16/2020 11:44:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.194 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion:131 Resp: 496463
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.3
119 62.6 33.6 100.8





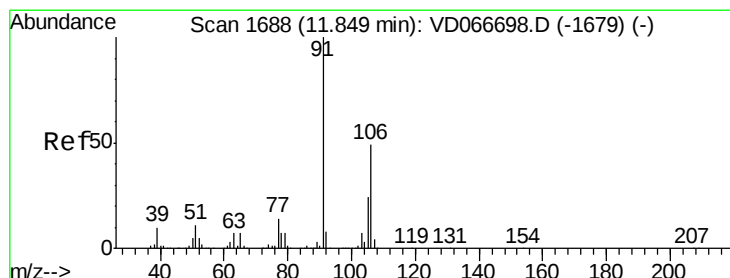
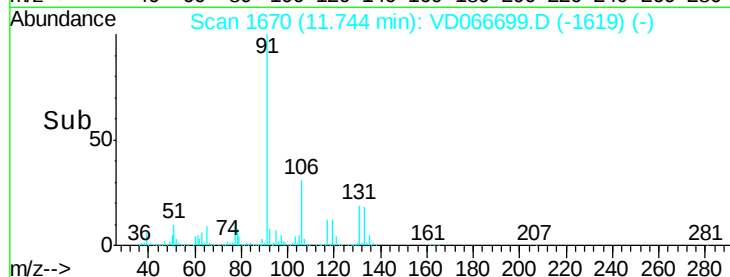
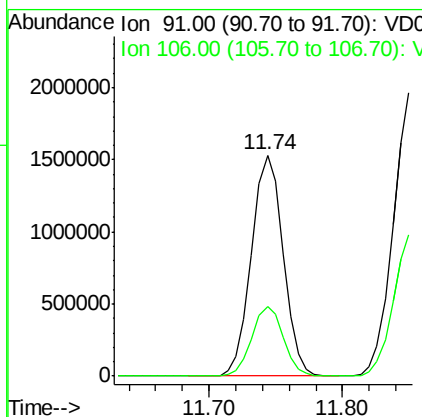
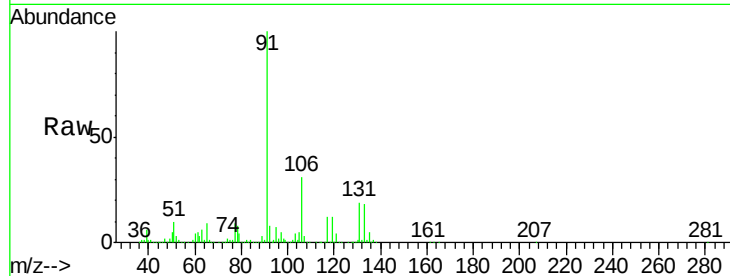
#67
Ethyl Benzene
Concen: 105.247 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2510044
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

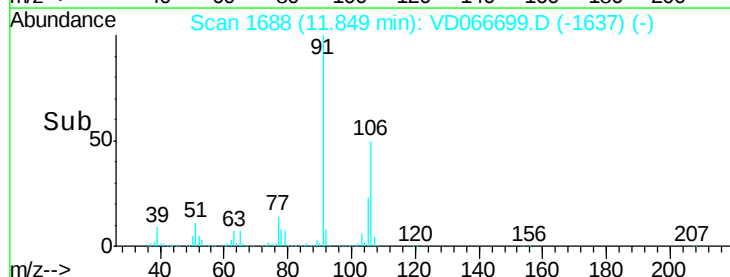
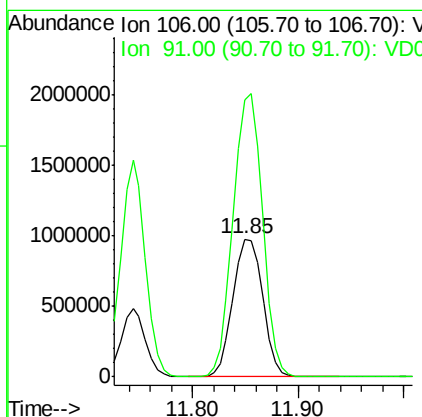
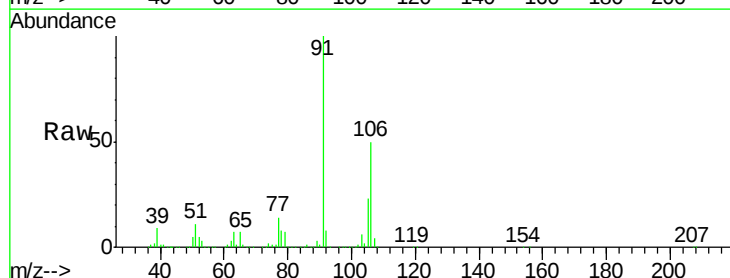
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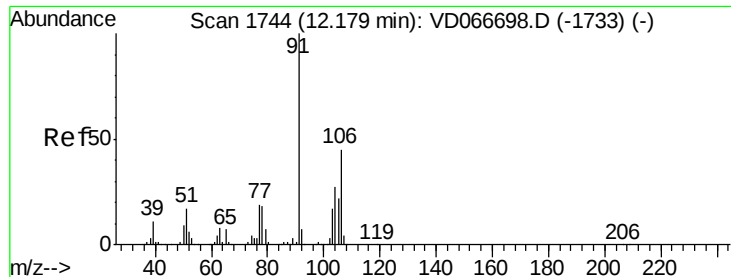
MMDadoda
9/16/2020 11:44:21 AM



#68
m/p-Xylenes
Concen: 211.918 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 106 Resp: 1910178
Ion Ratio Lower Upper
106 100
91 202.3 164.8 247.2





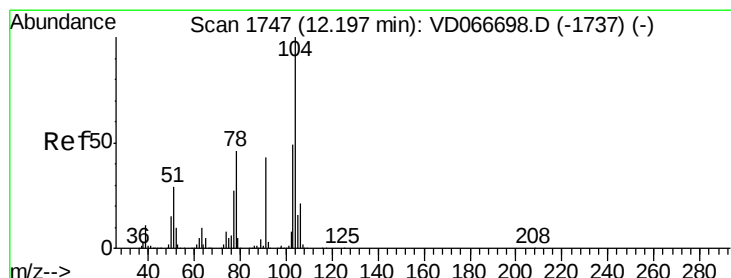
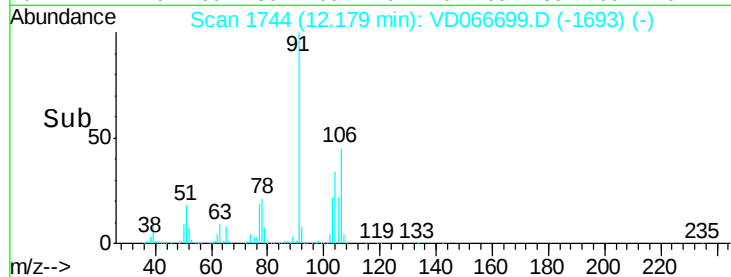
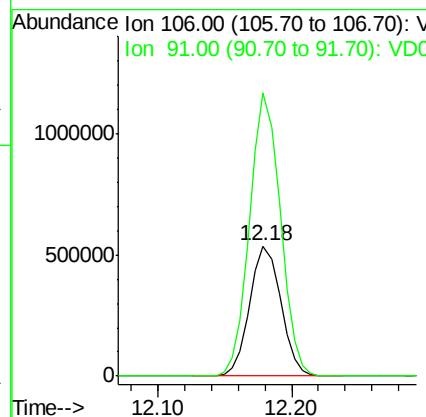
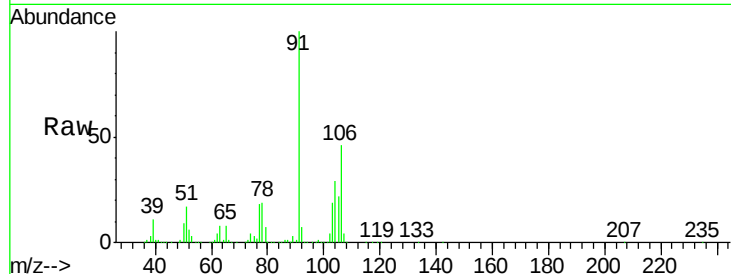
#69
o-Xylene
Concen: 108.876 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 867245
Ion Ratio Lower Upper
106 100
91 214.5 109.4 328.2

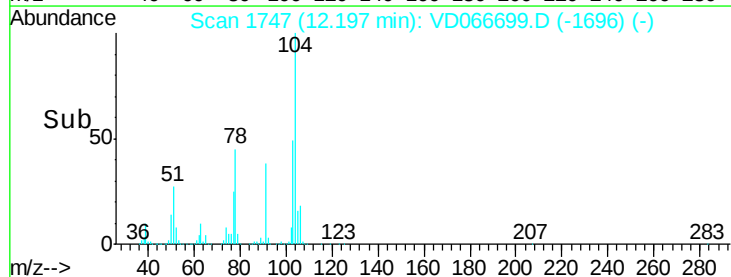
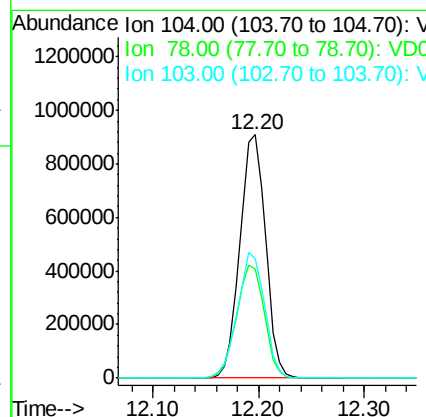
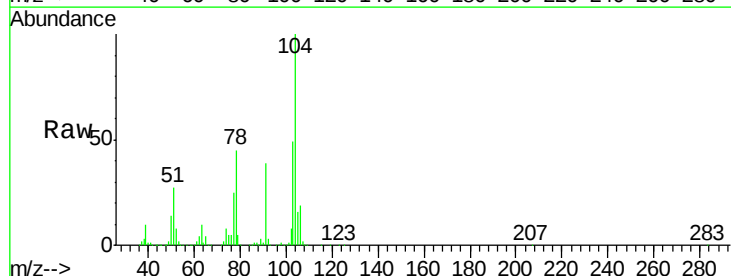
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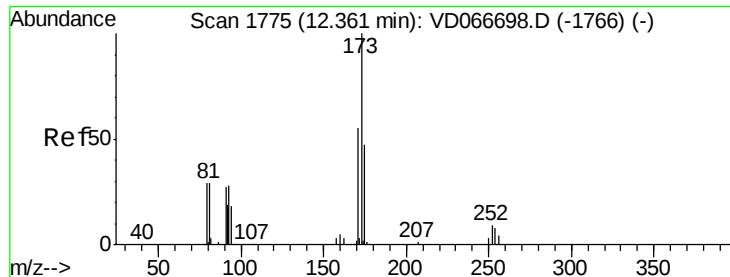
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#70
Styrene
Concen: 108.833 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion:104 Resp: 1525797
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 54.1 42.5 63.7





#71

Bromoform

Concen: 100.462 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

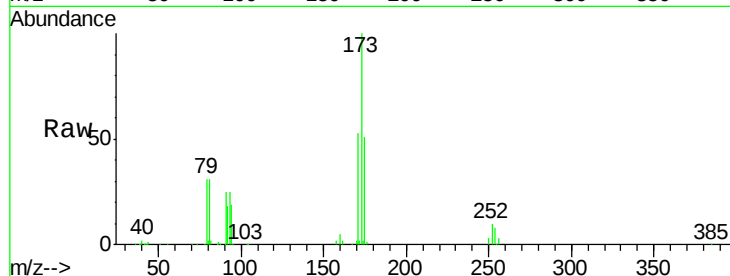
ClientSampleId :

VSTDIC100

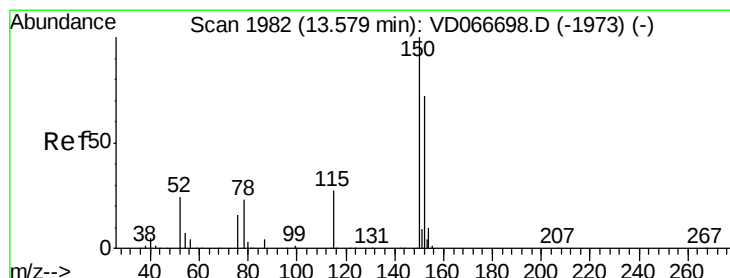
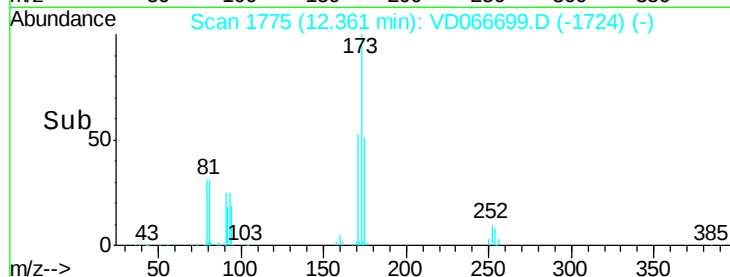
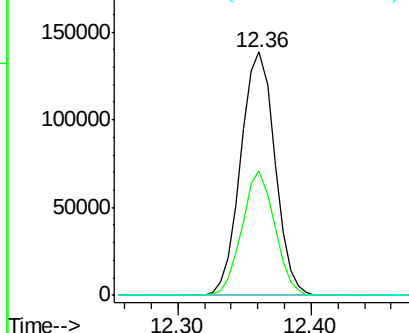
Tot Ion	Ratio	Resp	Lower	Upper
173	100	244930		
175	49.0	24.3	72.8	
254	0.1	0.1	0.1#	

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

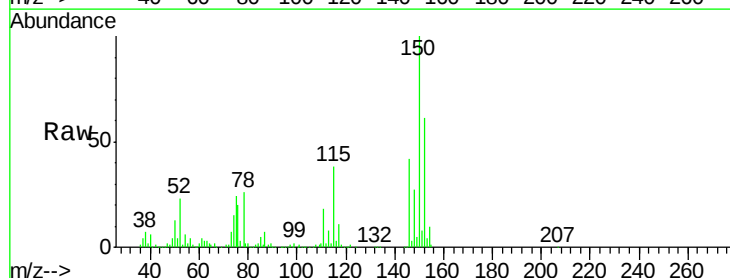
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

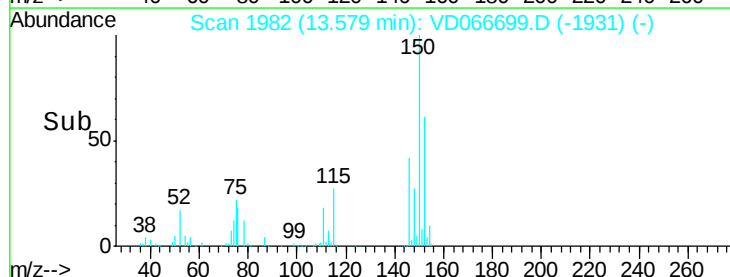
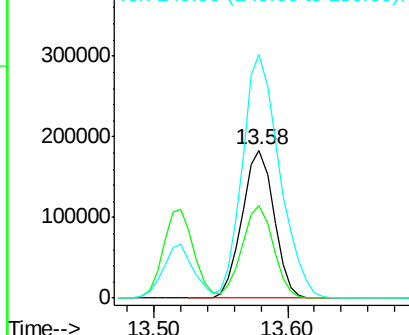
Lab File: VD066699.D

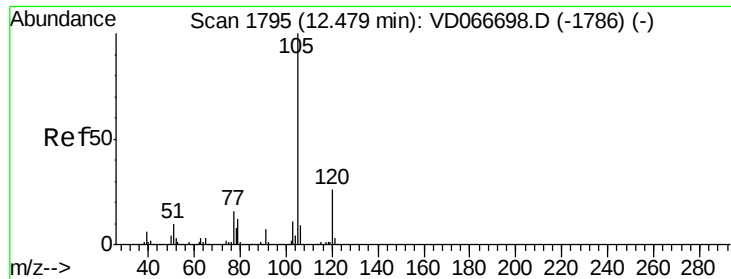
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	302309		
115	61.1	30.5	91.5	
150	191.9	0.0	344.6	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 106.572 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2405139

Ion Ratio Lower Upper

105 100

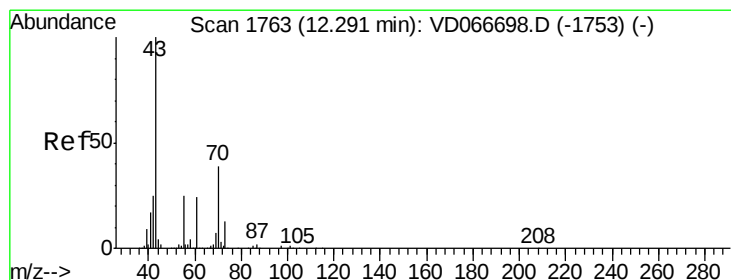
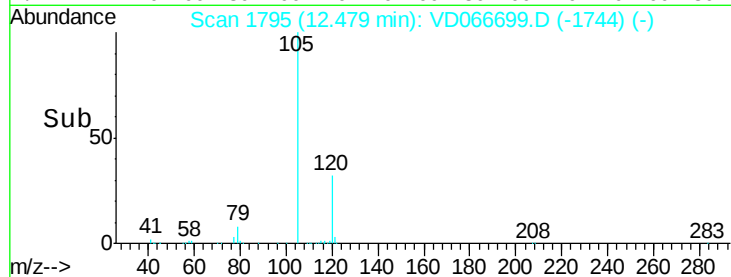
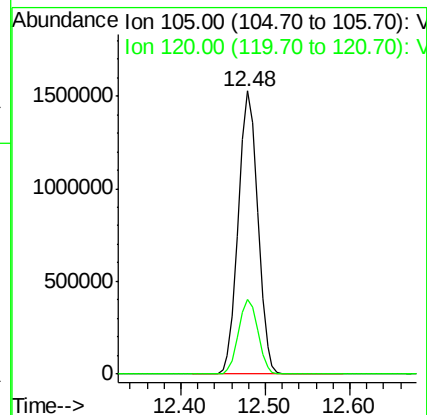
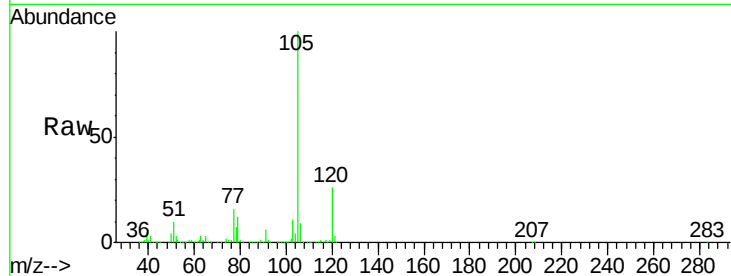
120 26.4 13.1 39.1

Manual Integrations

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9/16/2020 11:44:21 AM



#74

N-ethyl acetate

Concen: 102.282 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion: 43 Resp: 486927

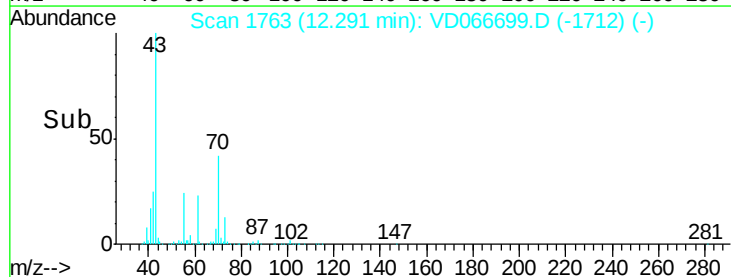
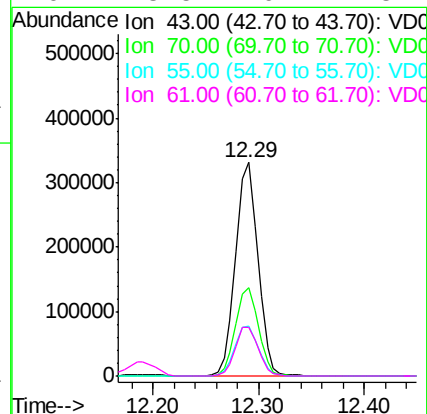
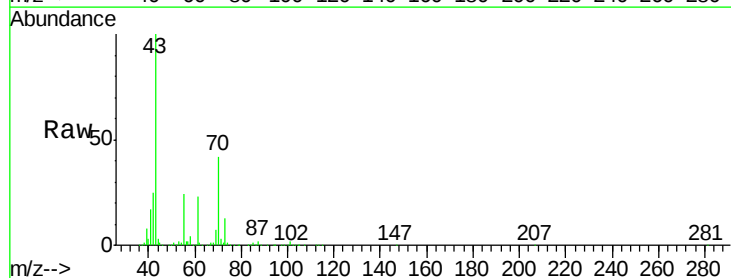
Ion Ratio Lower Upper

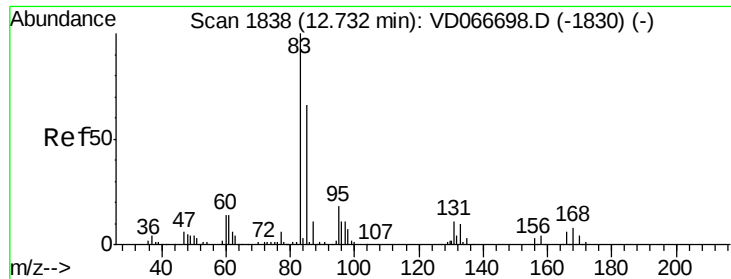
43 100

70 42.7 33.0 49.4

55 24.7 20.6 30.8

61 23.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 95.497 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

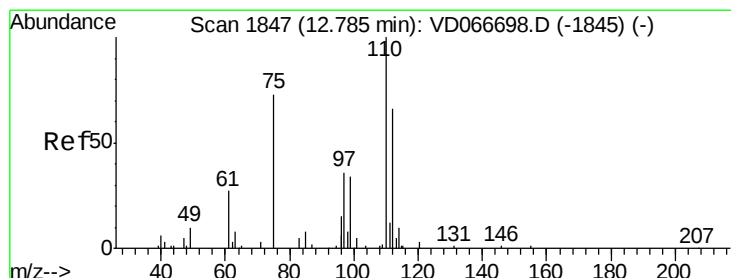
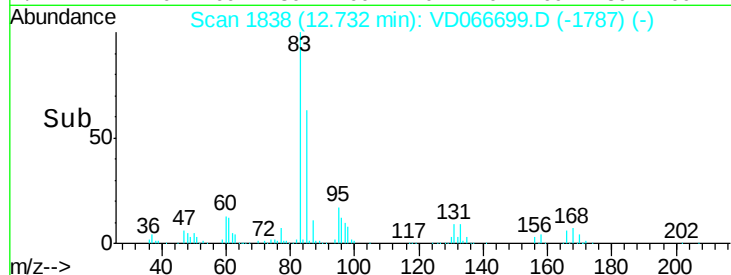
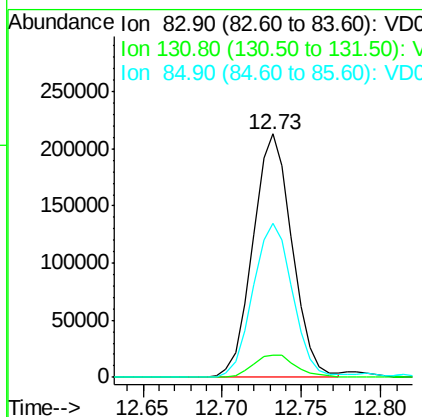
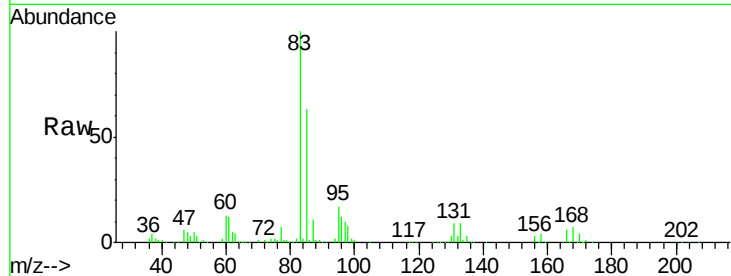
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	366220
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.8	17.3
85	64.2	33.3	99.8

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#76

1,2,3-Trichloropropane

Concen: 93.271 ug/l m

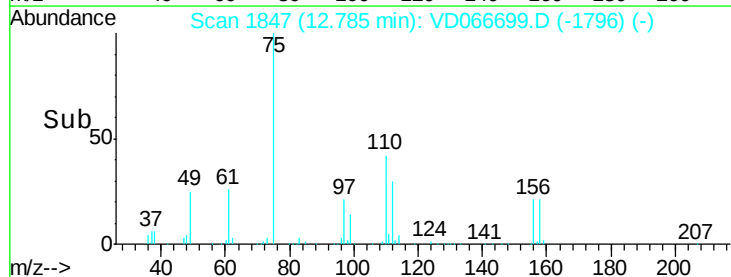
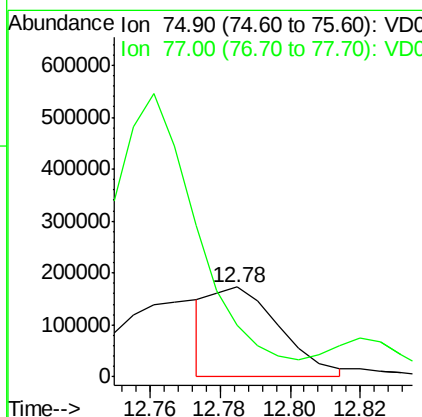
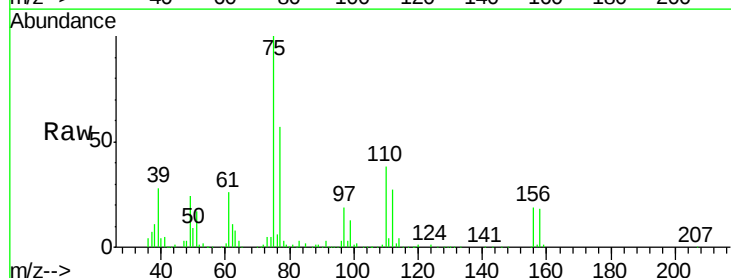
RT: 12.78 min Scan# 1847

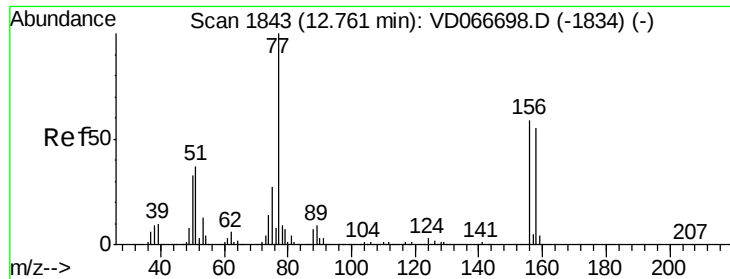
Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion:	75	Resp:	238641
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





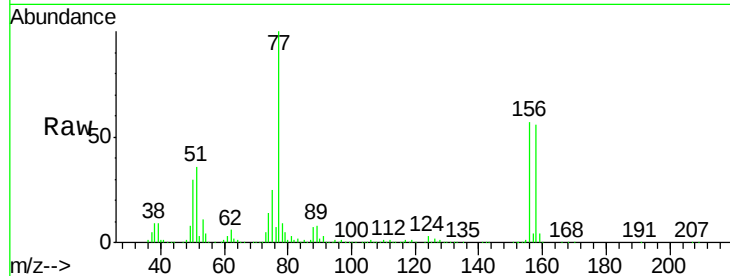
#77
Bromobenzene
Concen: 98.722 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

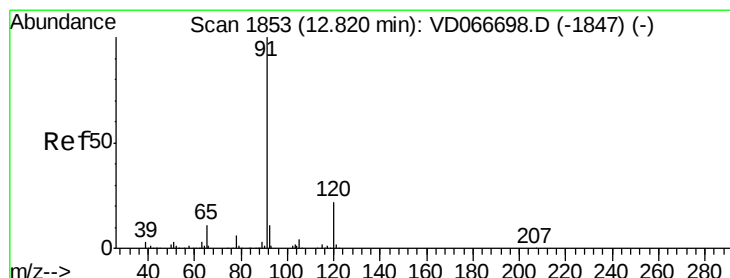
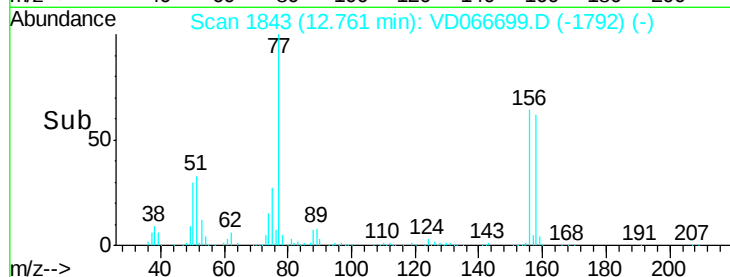
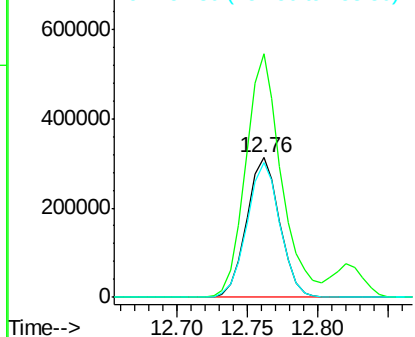
Tot Ion	Ratio	Lower	Upper
156	100		
77	187.7	95.8	287.3
158	96.5	48.4	145.0

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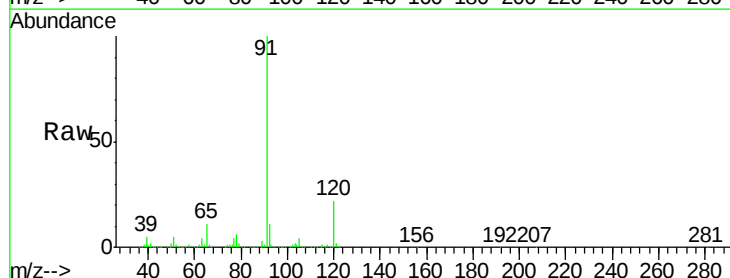


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): V
Ion 157.80 (157.50 to 158.50): V

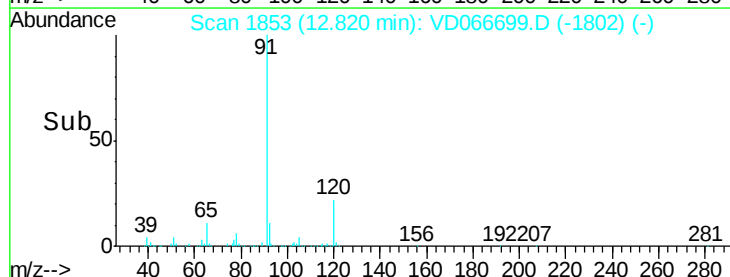
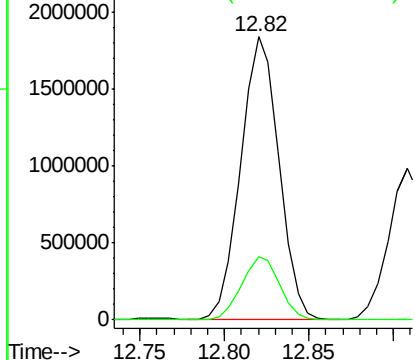


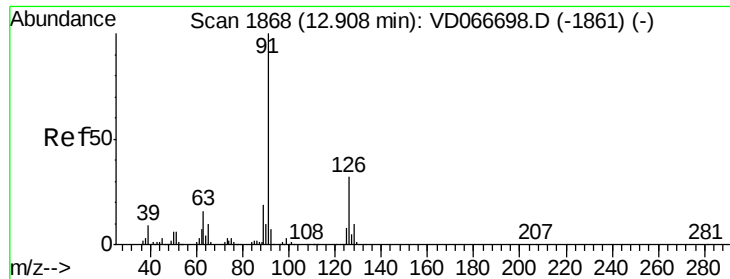
#78
n-propylbenzene
Concen: 105.075 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.00 (119.70 to 120.70): V





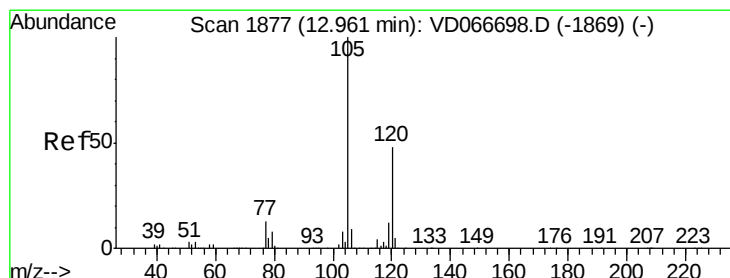
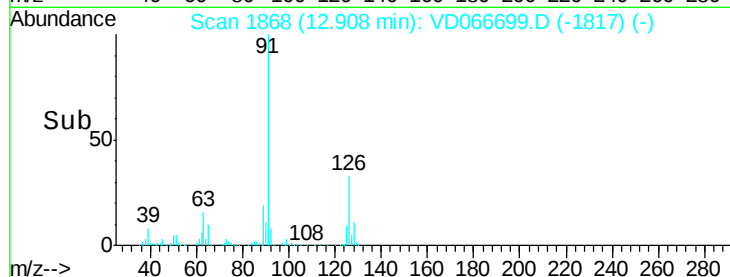
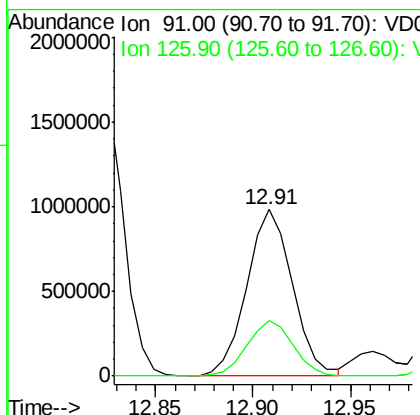
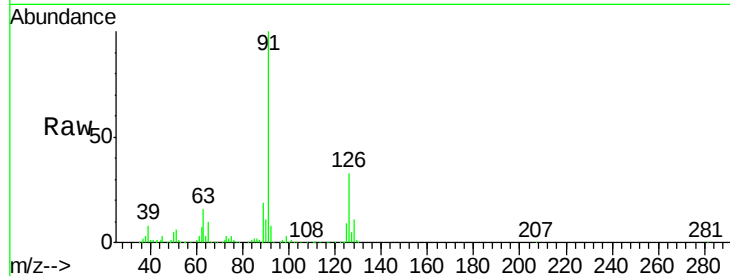
#79
2-Chlorotoluene
Concen: 102.530 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1594953
Ion Ratio Lower Upper
91 100
126 33.3 16.2 48.6

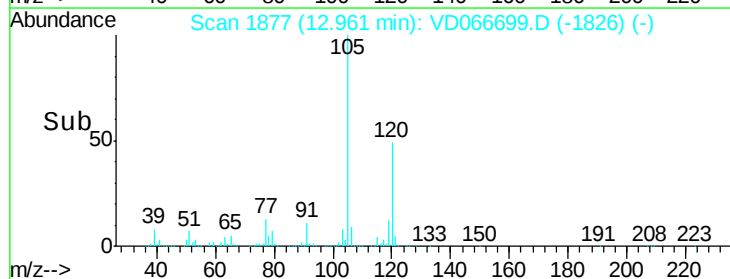
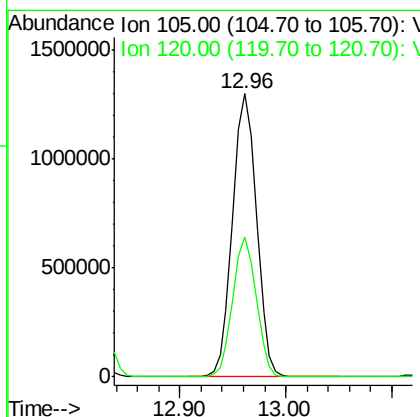
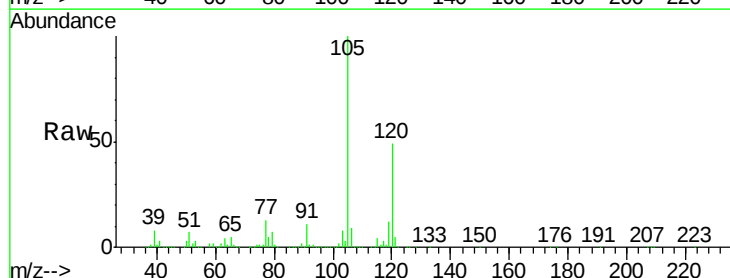
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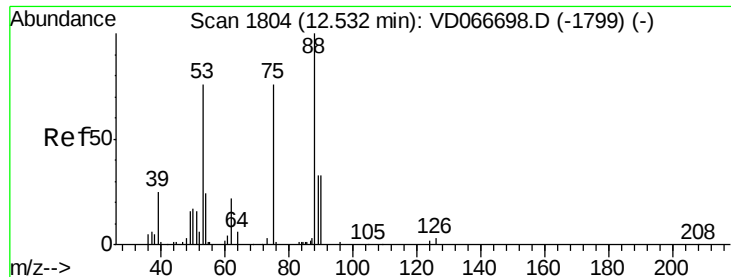
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#80
1,3,5-Trimethylbenzene
Concen: 106.728 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 105 Resp: 2036574
Ion Ratio Lower Upper
105 100
120 48.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 99.905 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 119786

Ion Ratio Lower Upper

75 100

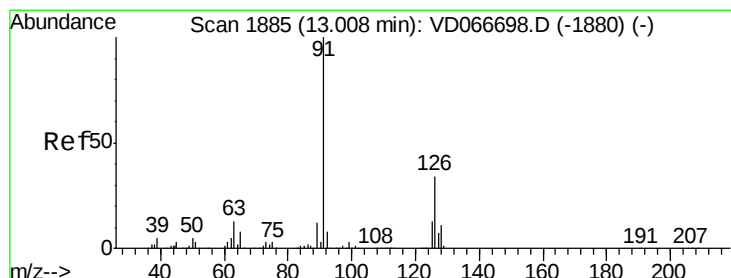
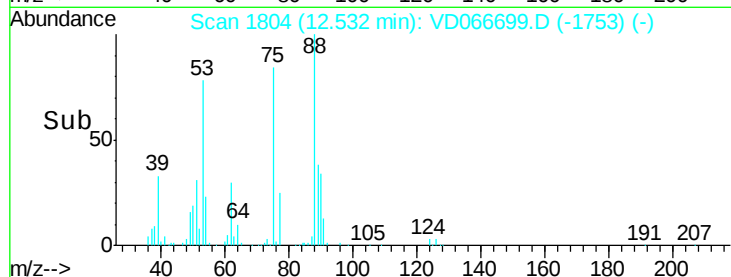
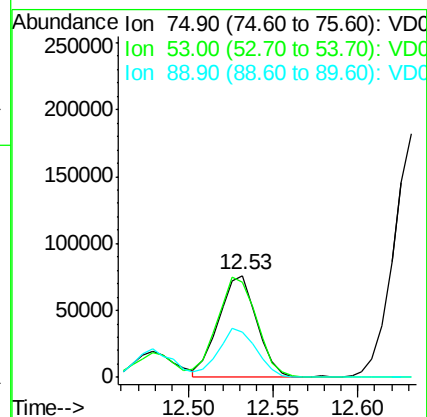
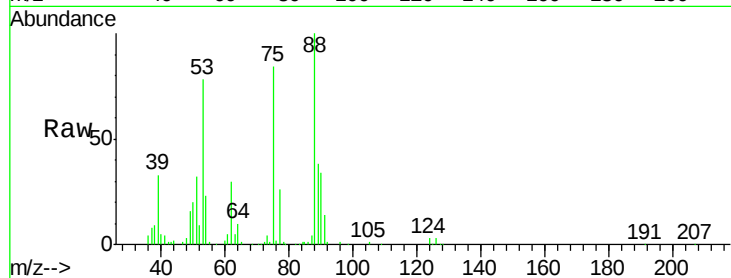
53 103.6 82.2 123.4

89 47.7 39.6 59.4

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#82

4-Chlorotoluene

Concen: 101.294 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066699.D

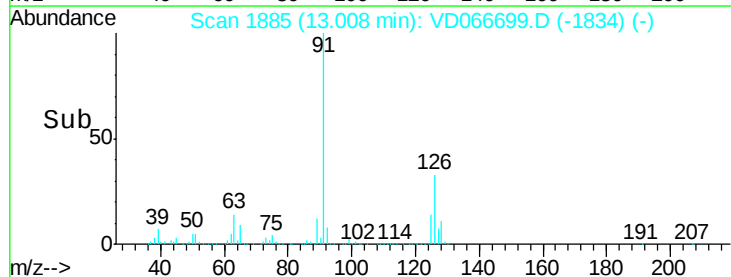
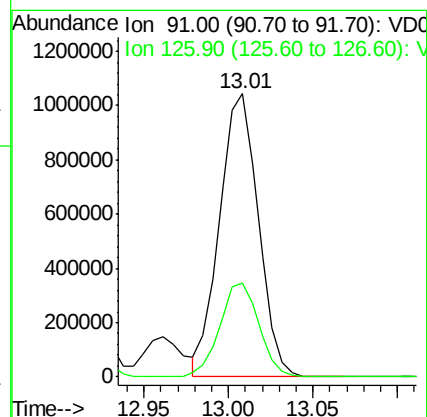
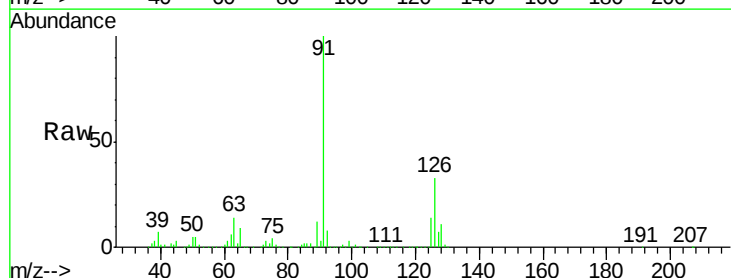
Acq: 15 Sep 2020 15:16

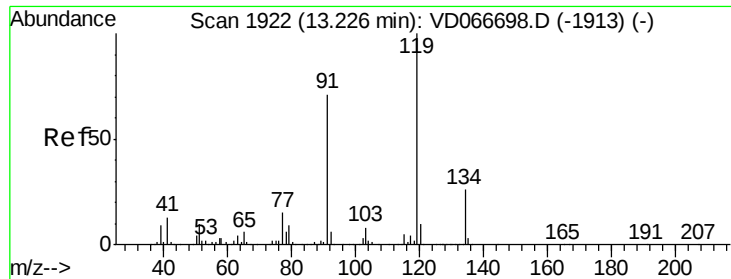
Tgt Ion: 91 Resp: 1666127

Ion Ratio Lower Upper

91 100

126 33.6 16.8 50.4





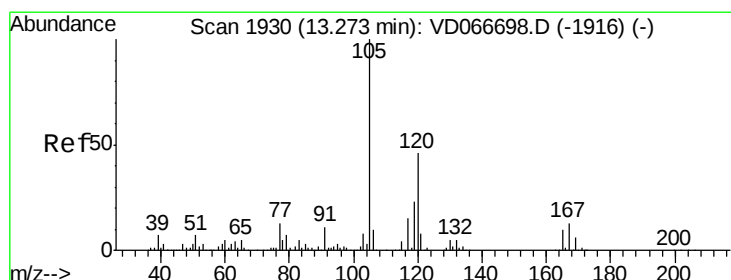
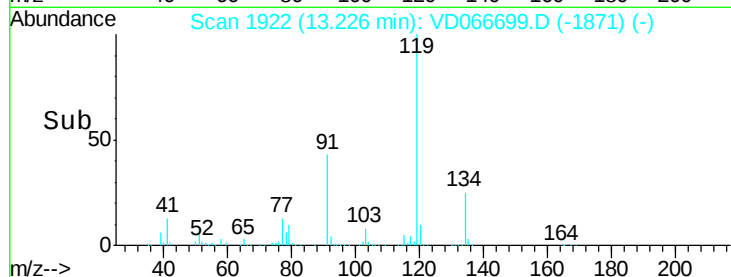
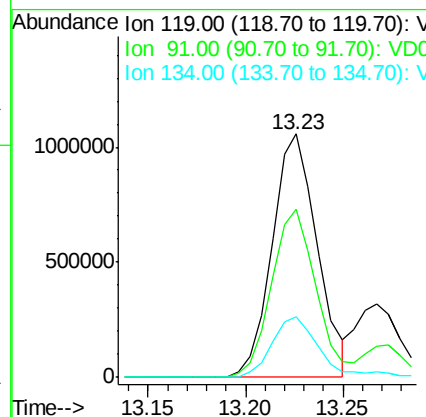
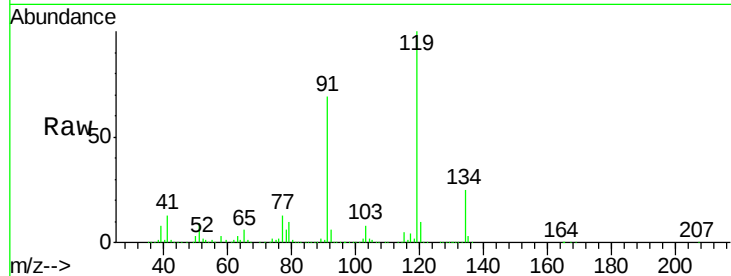
#83
tert-Butylbenzene
Concen: 107.459 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1690057
Ion Ratio Lower Upper
119 100
91 68.7 35.0 105.1
134 26.7 13.6 40.8

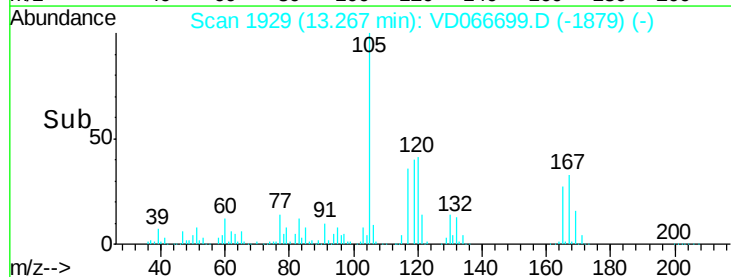
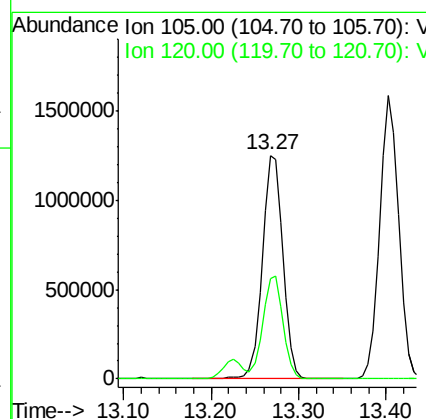
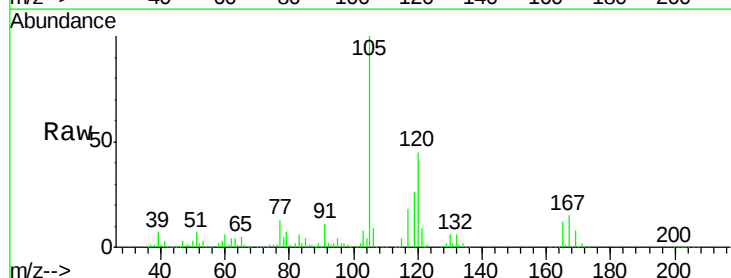
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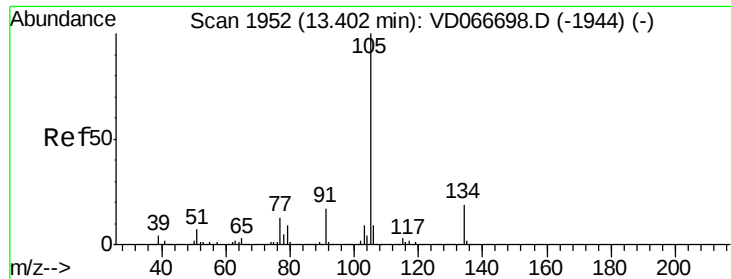
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#84
1,2,4-Trimethylbenzene
Concen: 106.756 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion:105 Resp: 2035822
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.2





#85

sec-Butylbenzene

Concen: 106.367 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2398282

Ion Ratio Lower Upper

105 100

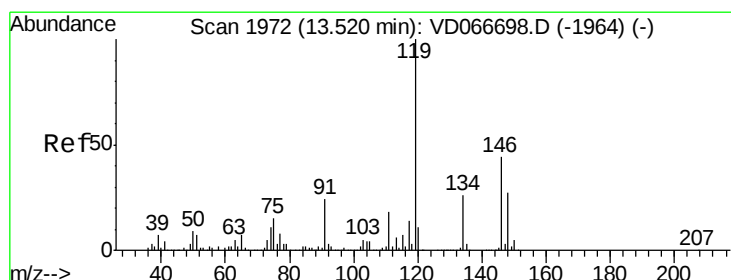
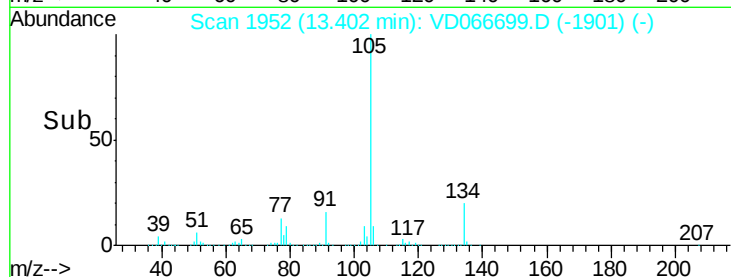
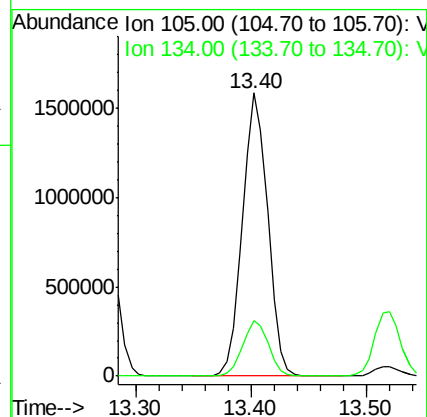
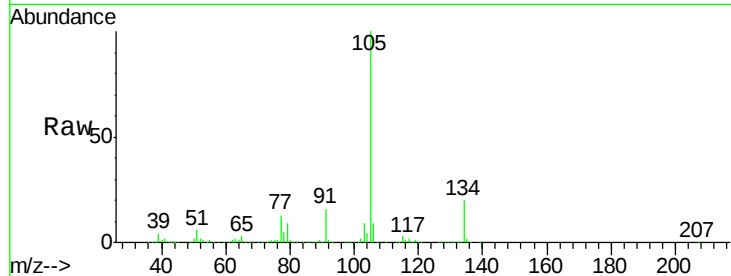
134 19.9 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 108.117 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

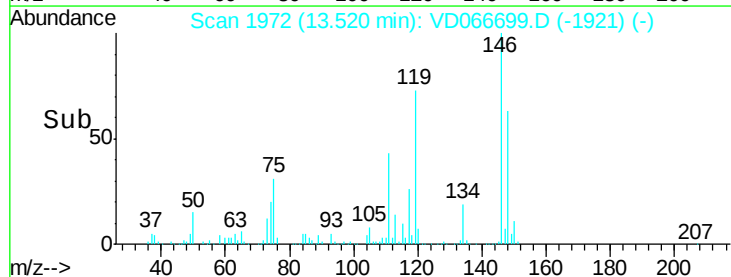
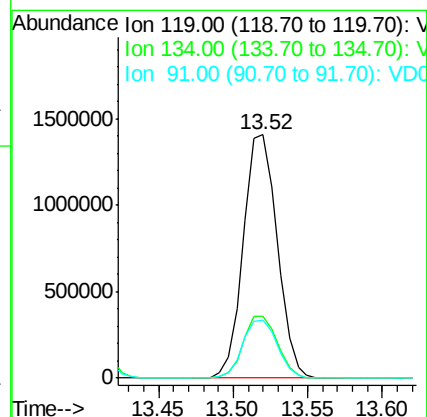
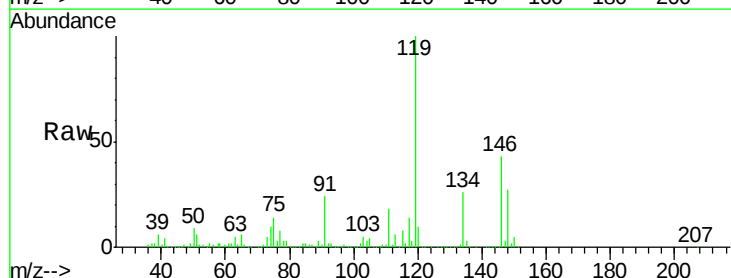
Tgt Ion:119 Resp: 2216222

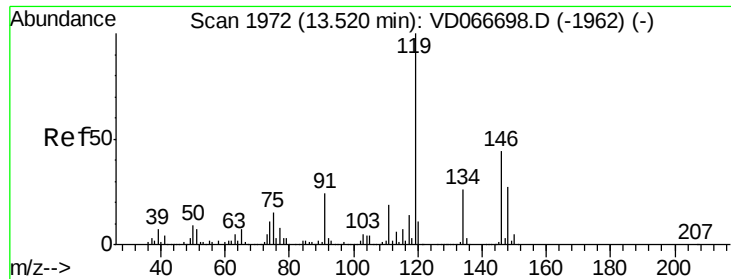
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.3 12.3 36.9





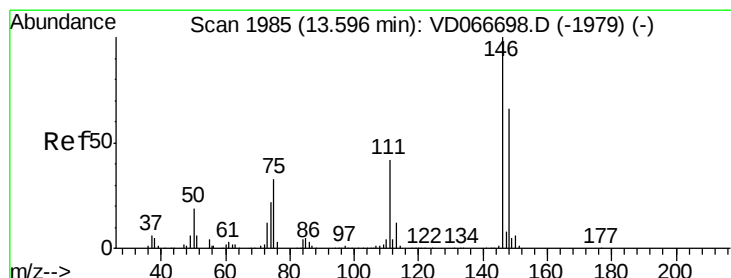
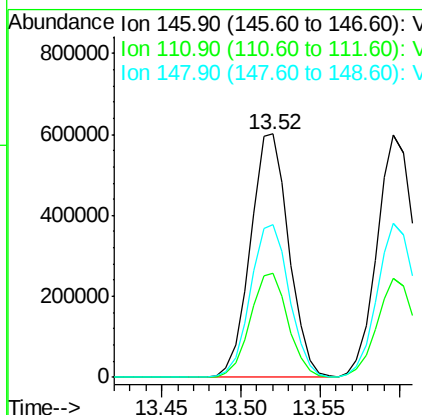
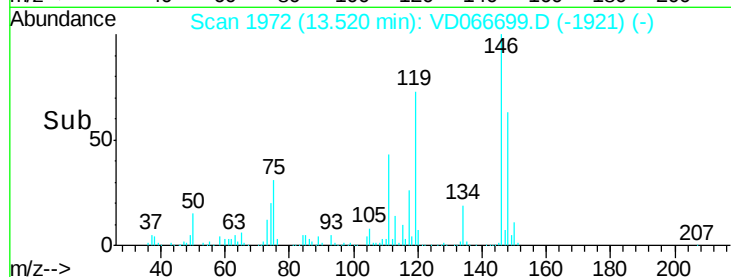
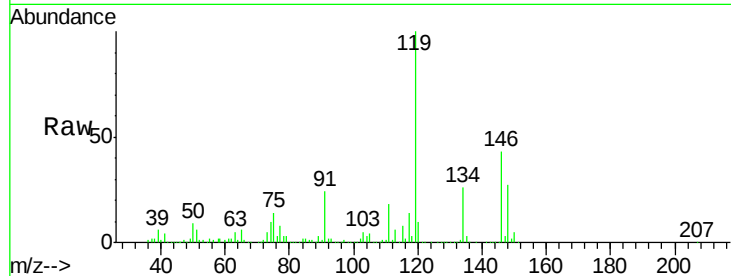
#87
 1,3-Dichlorobenzene
 Concen: 101.461 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.3
148	63.8	31.4	94.2

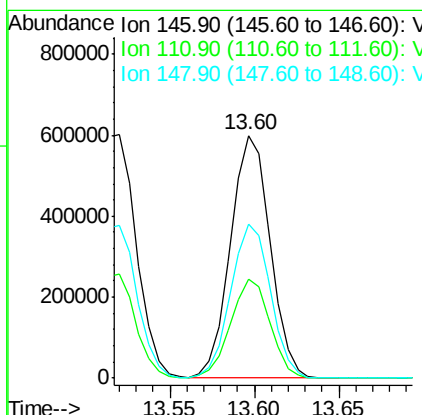
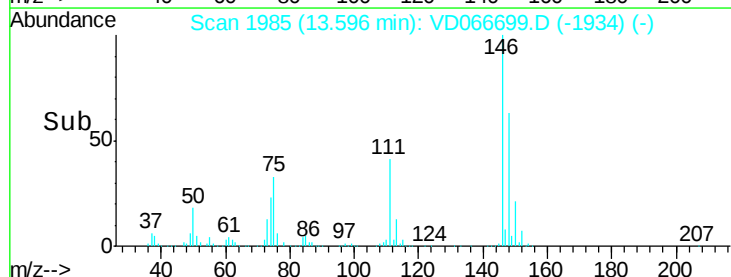
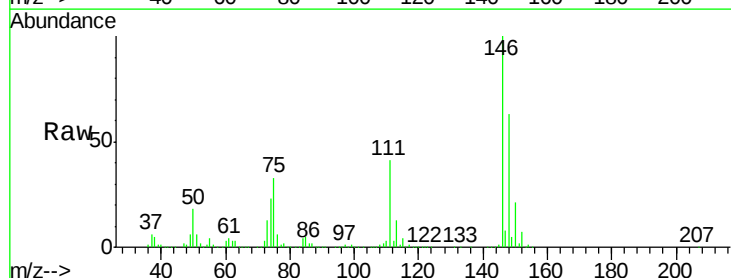
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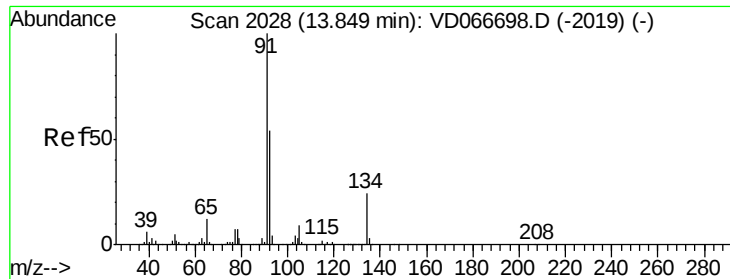
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#88
 1,4-Dichlorobenzene
 Concen: 98.683 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.6
148	63.7	32.7	98.1





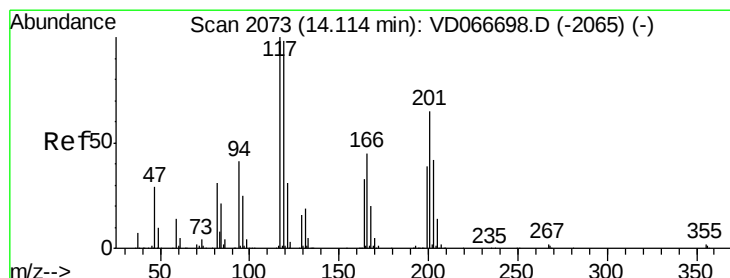
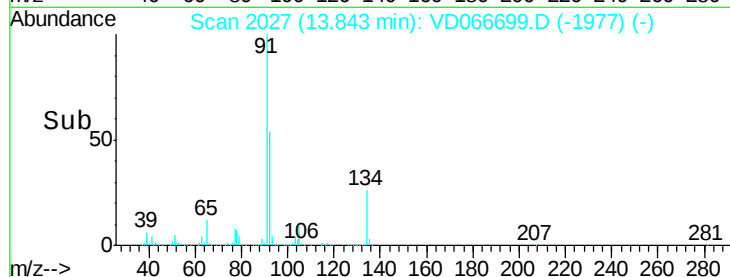
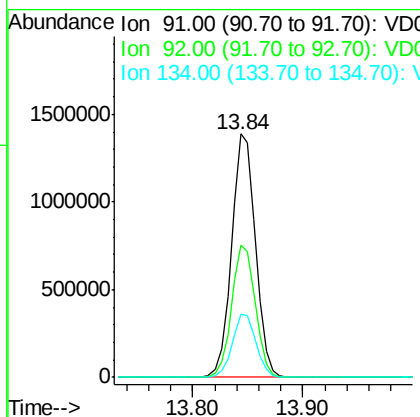
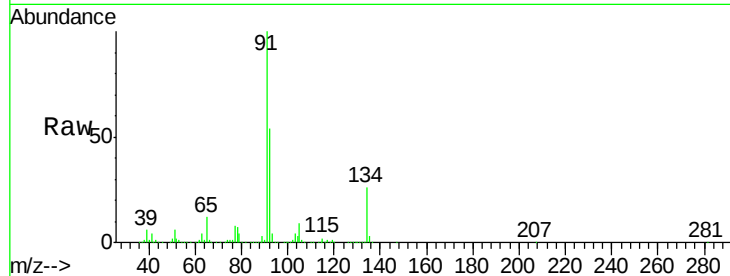
#89
n-Butylbenzene
Concen: 107.370 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2092779
Ion Ratio Lower Upper
91 100
92 54.2 27.0 81.0
134 25.7 12.4 37.0

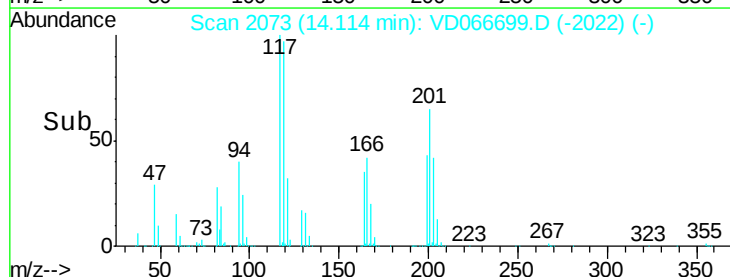
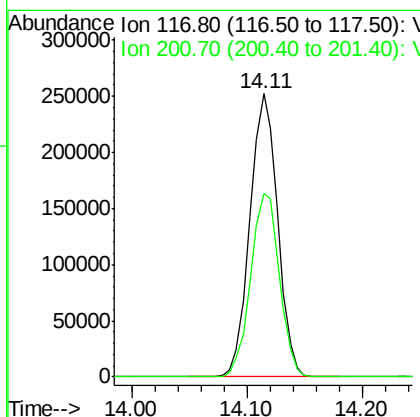
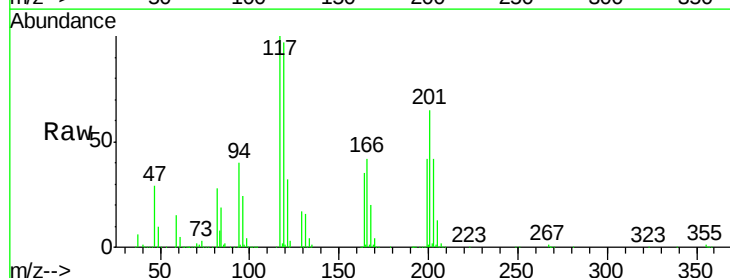
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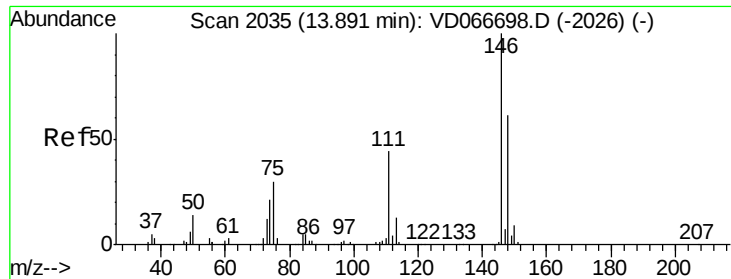
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#90
Hexachloroethane
Concen: 100.485 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066699.D
Acq: 15 Sep 2020 15:16

Tgt Ion: 117 Resp: 423137
Ion Ratio Lower Upper
117 100
201 67.2 33.1 99.3





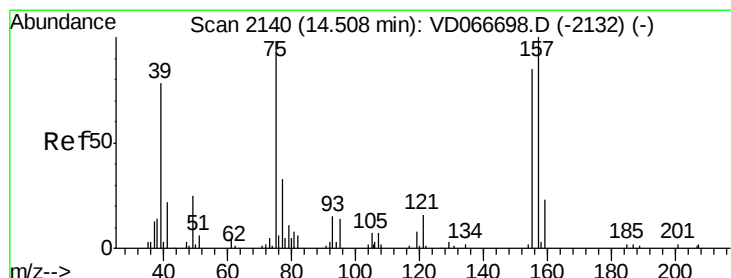
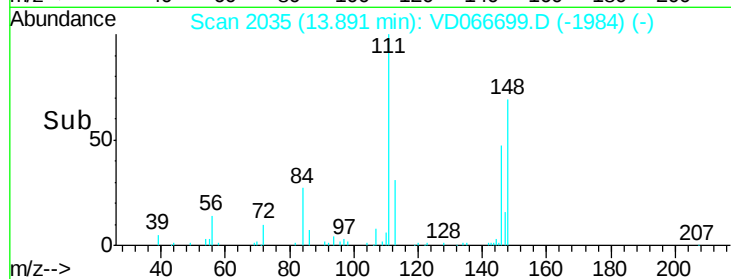
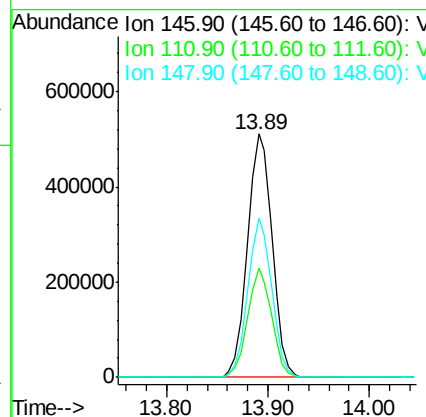
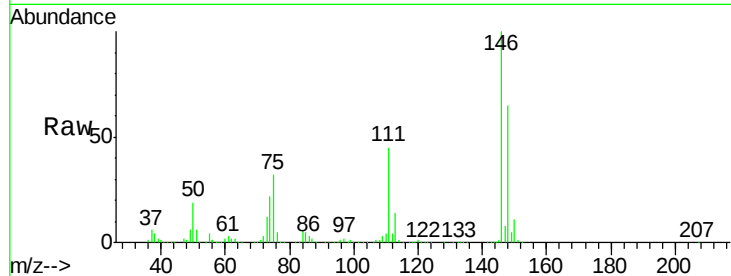
#91
 1,2-Dichlorobenzene
 Concen: 100.488 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	859256		
111	43.5		21.6	64.6
148	63.5		31.4	94.3

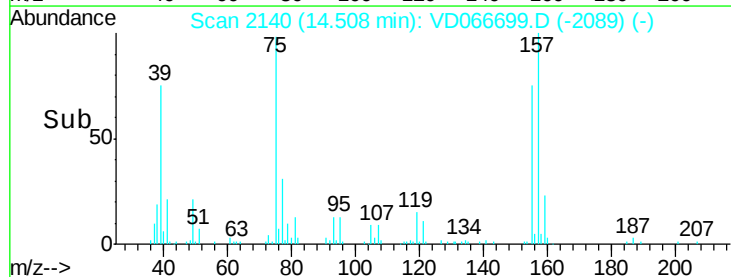
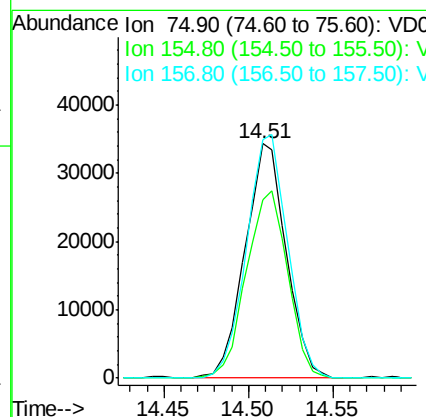
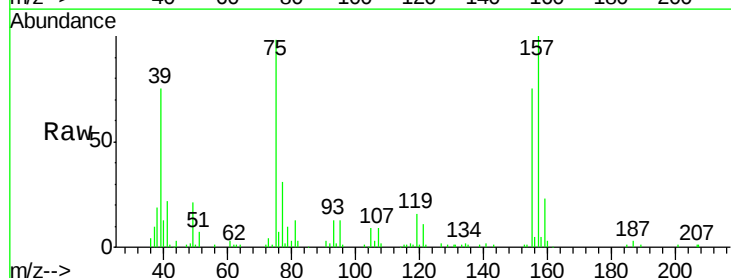
Manual Integrations
 APPROVED

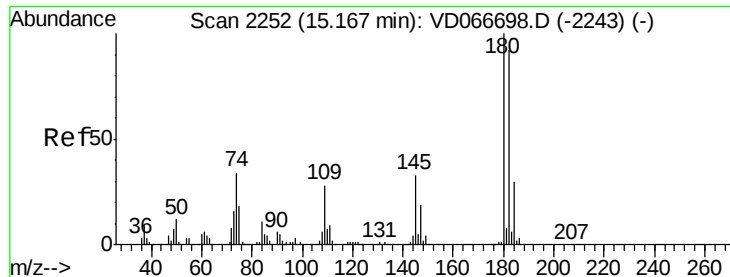
MMDadoda
 9/16/2020 11:44:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 93.575 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58008		
155	80.2		38.9	116.7
157	103.7		46.4	139.2





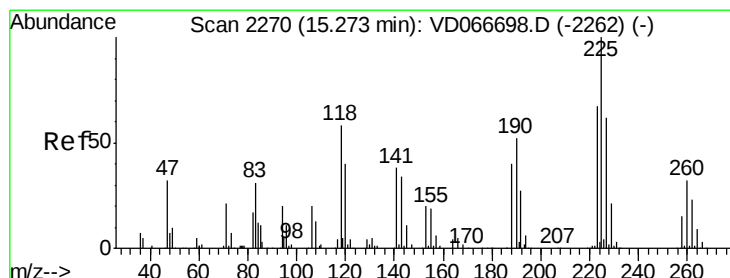
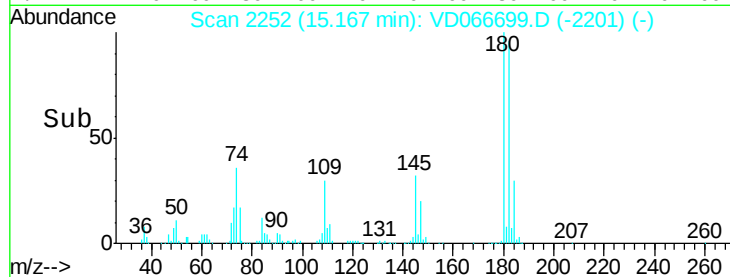
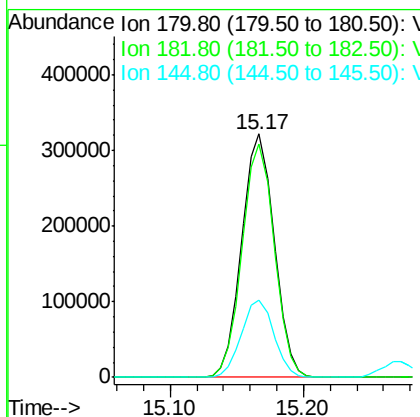
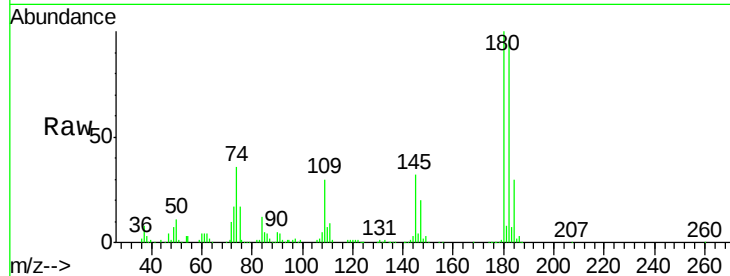
#93
 1,2,4-Trichlorobenzene
 Concen: 104.611 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	541021		
182	95.1	46.6	139.7	
145	32.1	16.5	49.5	

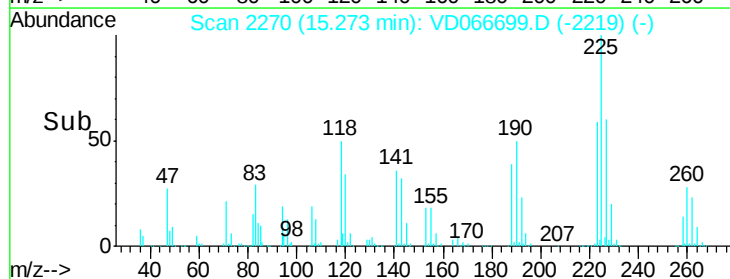
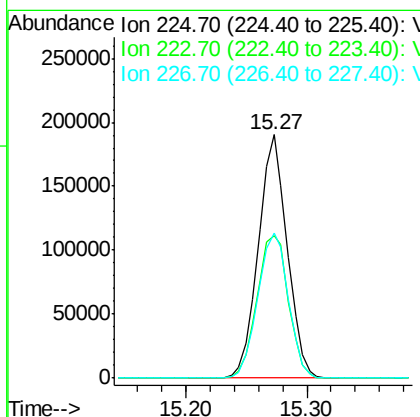
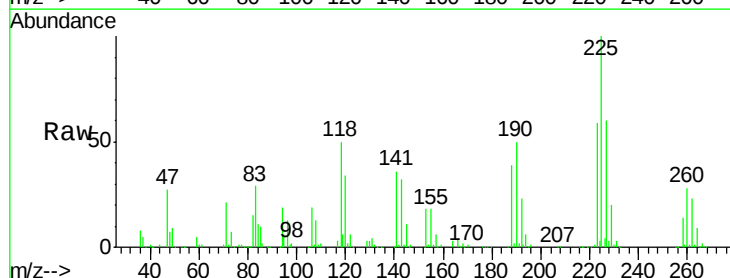
Manual Integrations
 APPROVED

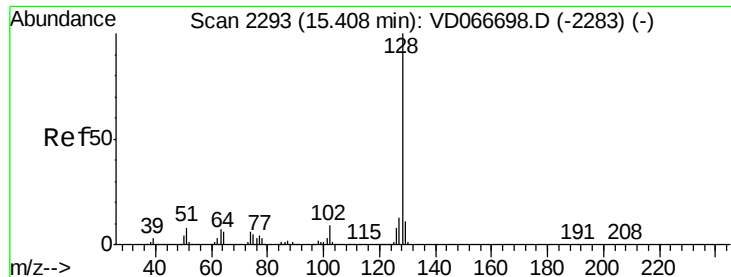
MMDadoda
 9/16/2020 11:44:21 AM



#94
 Hexachlorobutadiene
 Concen: 100.917 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066699.D
 Acq: 15 Sep 2020 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314450		
223	64.1	31.9	95.9	
227	63.3	31.3	93.9	





#95

Naphthalene

Concen: 109.561 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Instrument :

MSVOA_D

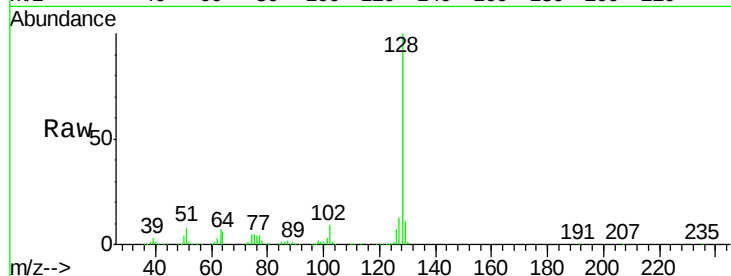
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	989997
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
APPROVED

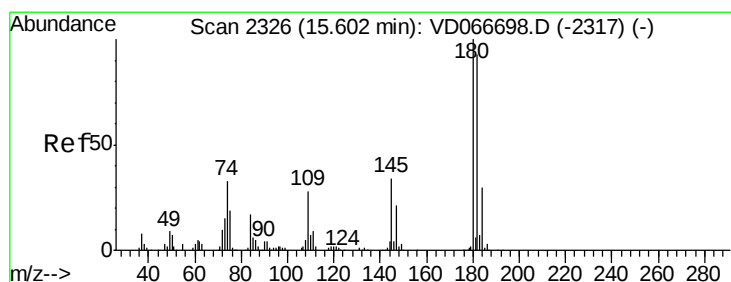
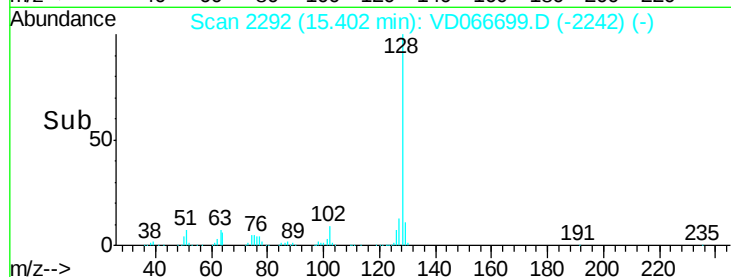
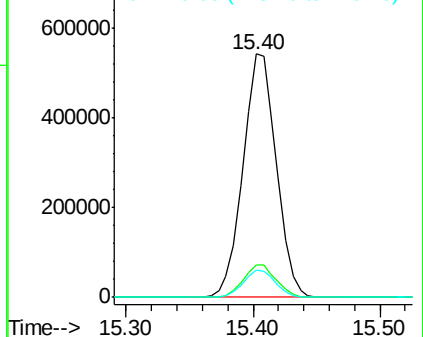
MMDadoda
9/16/2020 11:44:21 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 102.164 ug/l

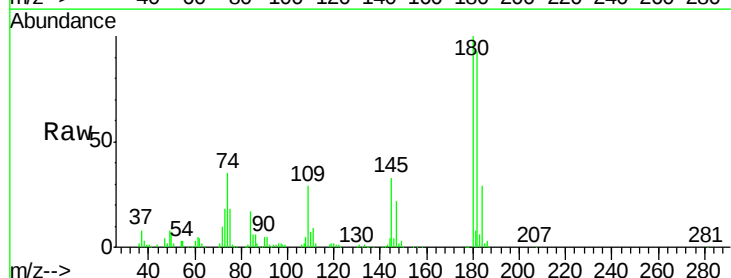
RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD066699.D

Acq: 15 Sep 2020 15:16

Tgt Ion:	180	Resp:	461508
Ion Ratio		Lower	Upper
180	100		
182	95.6	46.6	139.8
145	34.2	17.1	51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

