

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066544.D
 Acq On : 03 Sep 2020 20:01
 Operator : VA/SY
 Sample : VD0903SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Manual Integrations
 APPROVED

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 9/4/2020 4:55:03 PM

Quant Time: Sep 04 06:11:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	327949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	562413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	517125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218660	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	7.91	113	198868	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
50) Toluene-d8	10.34	98	734701	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.63	95	239452	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62944	20.953	ug/l	97
3) Chloromethane	2.21	50	92431	22.287	ug/l	94
4) Vinyl Chloride	2.34	62	97726	21.245	ug/l	98
5) Bromomethane	2.75	94	69656	21.345	ug/l	90
6) Chloroethane	2.91	64	63265	21.653	ug/l	97
7) Trichlorofluoromethane	3.27	101	137987	20.306	ug/l	96
8) Diethyl Ether	3.71	74	35582	20.794	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	75288	20.471	ug/l	99
10) Methyl Iodide	4.30	142	64388	21.673	ug/l	98
11) Tert butyl alcohol	5.21	59	38565	134.386	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	65669	19.875	ug/l	97
13) Acrolein	3.92	56	19068	117.530	ug/l	87
14) Allyl chloride	4.71	41	109431	20.209	ug/l	97
15) Acrylonitrile	5.42	53	77769	105.797	ug/l	97
16) Acetone	4.16	43	67121	91.937	ug/l	94
17) Carbon Disulfide	4.40	76	225429	20.754	ug/l	98
18) Methyl Acetate	4.72	43	40616	23.338	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	163741	21.133	ug/l	96
20) Methylene Chloride	4.97	84	95860	20.141	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	79835	20.347	ug/l	98
22) Diisopropyl ether	6.36	45	244828	21.986	ug/l	99
23) Vinyl Acetate	6.30	43	674399	106.424	ug/l	98
24) 1,1-Dichloroethane	6.26	63	151702	21.664	ug/l	96
25) 2-Butanone	7.21	43	101062	103.119	ug/l	99
26) 2,2-Dichloropropane	7.20	77	122082	19.006	ug/l	96
27) cis-1,2-Dichloroethene	7.20	96	88638	21.007	ug/l	98
28) Bromochloromethane	7.54	49	57880	21.469	ug/l	96
29) Tetrahydrofuran	7.56	42	65377	107.111	ug/l	98
30) Chloroform	7.71	83	157585	21.271	ug/l	96
31) Cyclohexane	7.98	56	127609	19.713	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	141925	20.376	ug/l	99
36) 1,1-Dichloropropene	8.11	75	117366	20.052	ug/l	97
37) Ethyl Acetate	7.29	43	51072	21.913	ug/l	98
38) Carbon Tetrachloride	8.09	117	124316	20.094	ug/l	97

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Quant Time: Sep 04 06:11:25 2020
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	123250	18.858	ug/l	95
40) Benzene	8.34	78	322594	20.124	ug/l	97
41) Methacrylonitrile	7.52	41	22048m	19.543	ug/l	
42) 1,2-Dichloroethane	8.42	62	108494	20.889	ug/l	97
43) Isopropyl Acetate	8.45	43	92582	20.728	ug/l	99
44) Trichloroethene	9.11	130	85755	20.394	ug/l	92
45) 1,2-Dichloropropane	9.38	63	81846	20.303	ug/l	89
46) Dibromomethane	9.47	93	45527	20.470	ug/l	98
47) Bromodichloromethane	9.66	83	123263	20.485	ug/l	100
48) Methyl methacrylate	9.45	41	48617	21.526	ug/l	91
49) 1,4-Dioxane	9.46	88	8834	362.048	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	231992	102.991	ug/l	98
52) Toluene	10.40	92	209773	20.673	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	106878	20.120	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	127240	19.947	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	60941	21.311	ug/l	97
56) Ethyl methacrylate	10.66	69	67164	20.172	ug/l	94
57) 1,3-Dichloropropane	10.94	76	102692	20.502	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	185309	121.679	ug/l	98
59) 2-Hexanone	10.98	43	154727	102.144	ug/l	100
60) Dibromochloromethane	11.14	129	79853	21.117	ug/l	99
61) 1,2-Dibromoethane	11.24	107	58024	20.856	ug/l	97
64) Tetrachloroethene	10.87	164	68620	19.708	ug/l	93
65) Chlorobenzene	11.67	112	212035	19.866	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	82259	20.194	ug/l	99
67) Ethyl Benzene	11.74	91	376736	19.223	ug/l	98
68) m/p-Xylenes	11.85	106	294175	40.427	ug/l	99
69) o-Xylene	12.18	106	129025	19.785	ug/l	98
70) Styrene	12.19	104	230867	20.363	ug/l	98
71) Bromoform	12.36	173	40950	19.948	ug/l #	100
73) Isopropylbenzene	12.48	105	350923	19.761	ug/l	99
74) N-amyl acetate	12.29	43	83200	20.686	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	64971	20.709	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	42232m	18.308	ug/l	
77) Bromobenzene	12.76	156	81459	20.575	ug/l	98
78) n-propylbenzene	12.82	91	436007	20.253	ug/l	99
79) 2-Chlorotoluene	12.91	91	246639	20.422	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	304373	20.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20026	20.268	ug/l	94
82) 4-Chlorotoluene	13.01	91	268400	20.783	ug/l	100
83) tert-Butylbenzene	13.23	119	244772	20.054	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	303743	20.411	ug/l	100
85) sec-Butylbenzene	13.40	105	349229	19.860	ug/l	99
86) p-Isopropyltoluene	13.52	119	316188	19.977	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	161313	20.524	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	156737	19.868	ug/l	98
89) n-Butylbenzene	13.85	91	294314	19.082	ug/l	98
90) Hexachloroethane	14.11	117	67969	19.930	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	139829	20.353	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11459	21.501	ug/l	95

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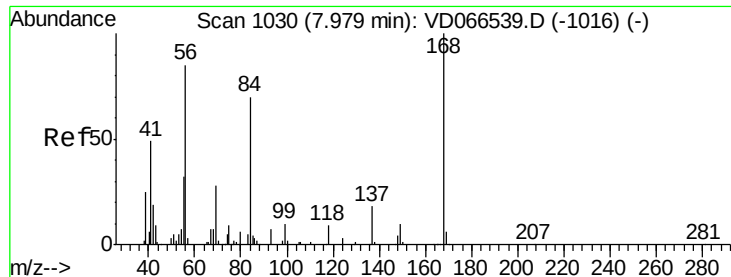
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	80698	19.572	ug/l	100
94) Hexachlorobutadiene	15.27	225	46181	18.644	ug/l	96
95) Naphthalene	15.41	128	143807	19.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73478	20.903	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion:168 Resp: 327949

Ion Ratio Lower Upper

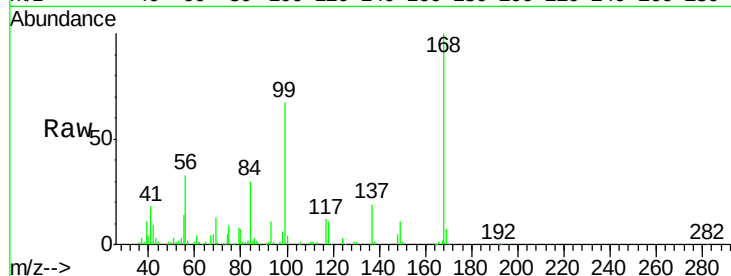
168 100

99 66.3 50.5 75.7

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

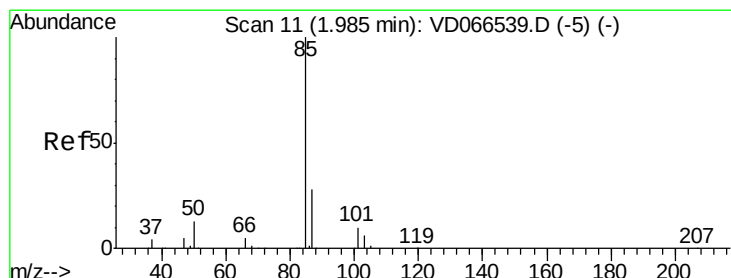
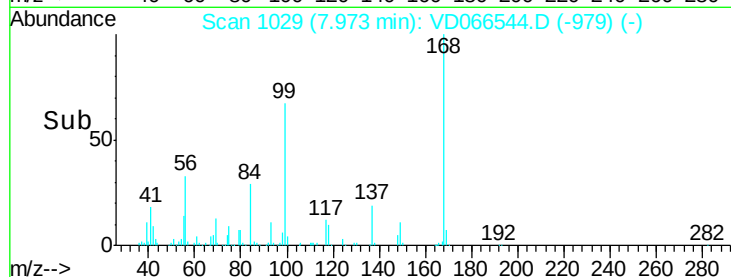
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 20.953 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066544.D

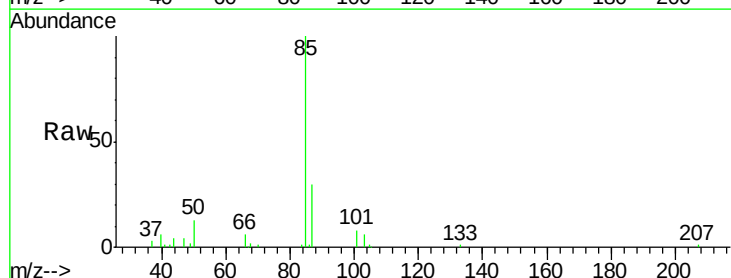
Acq: 03 Sep 2020 20:01

Tgt Ion: 85 Resp: 62944

Ion Ratio Lower Upper

85 100

87 29.9 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

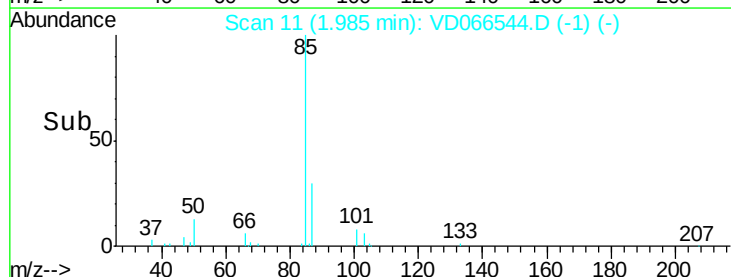
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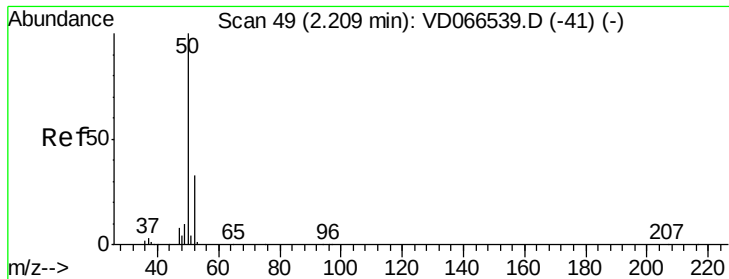
20000

10000

0

Time--> 1.95 2.00 2.05





#3

Chloromethane

Concen: 22.287 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 50 Resp: 92431

Ion Ratio Lower Upper

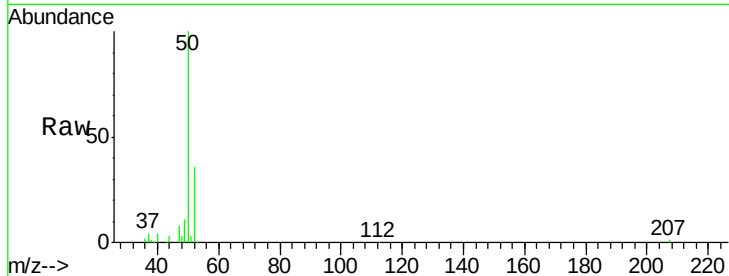
50 100

52 35.9 26.2 39.2

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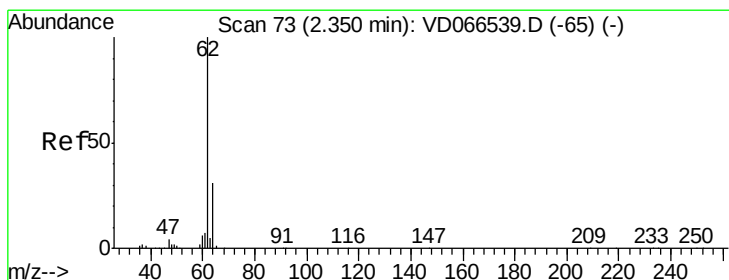
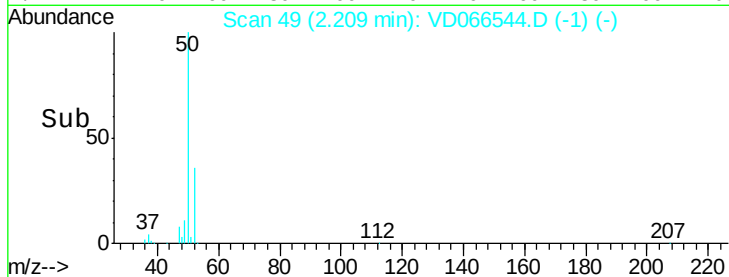
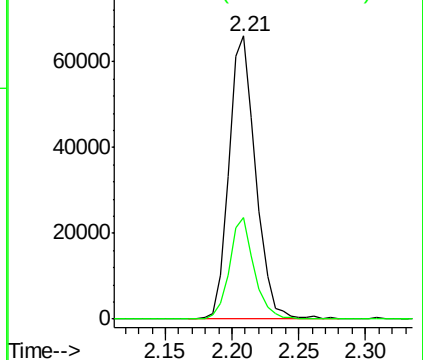
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.245 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066544.D

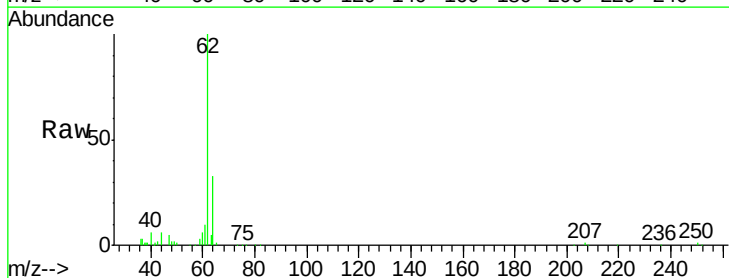
Acq: 03 Sep 2020 20:01

Tgt Ion: 62 Resp: 97726

Ion Ratio Lower Upper

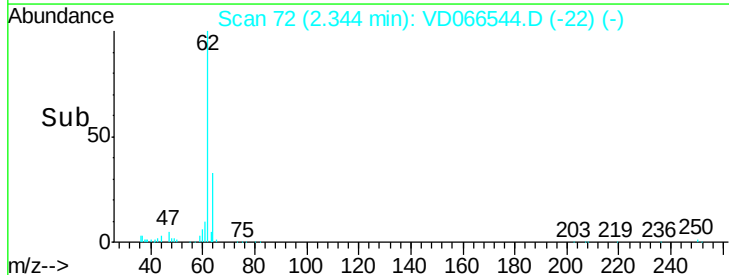
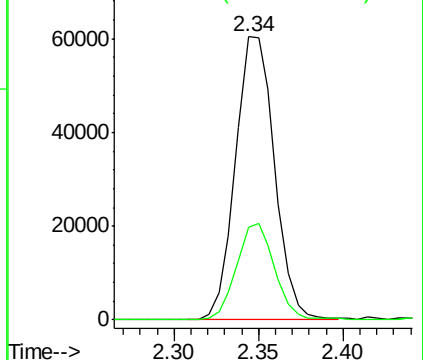
62 100

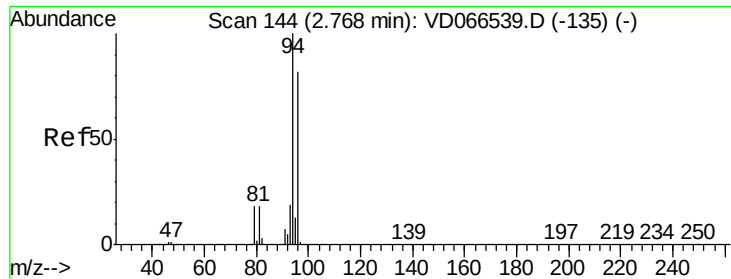
64 32.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.345 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 94 Resp: 69656

Ion Ratio Lower Upper

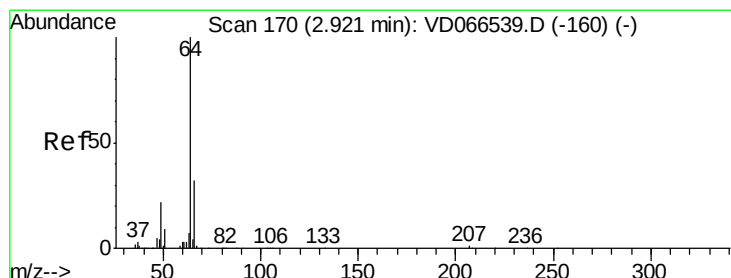
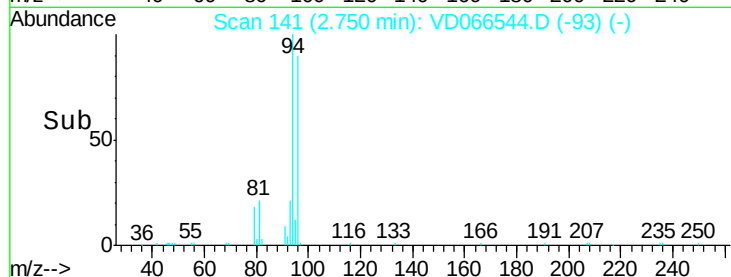
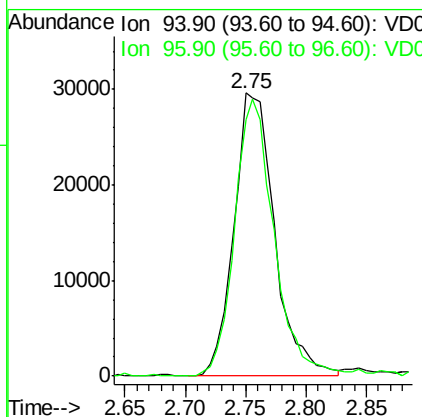
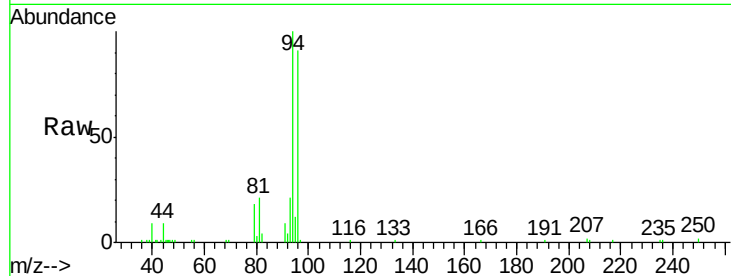
94 100

96 90.7 65.2 97.8

Manual Integrations
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#6

Chloroethane

Concen: 21.653 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066544.D

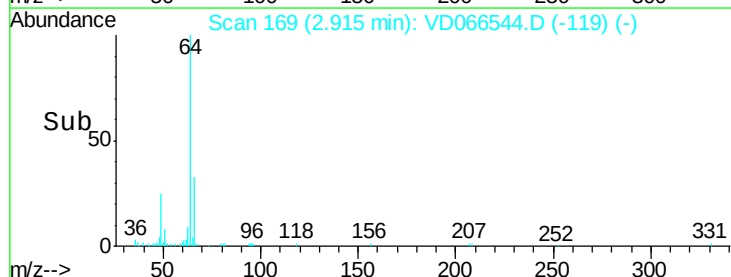
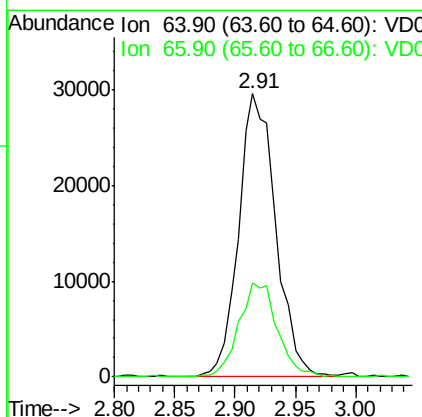
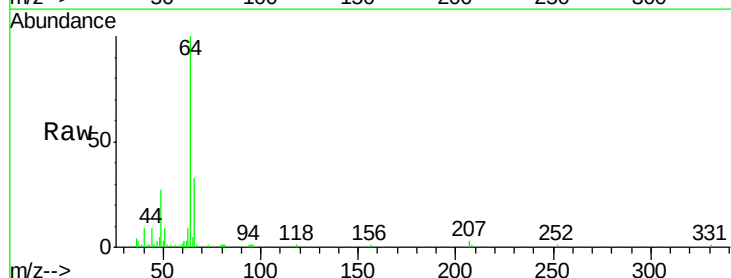
Acq: 03 Sep 2020 20:01

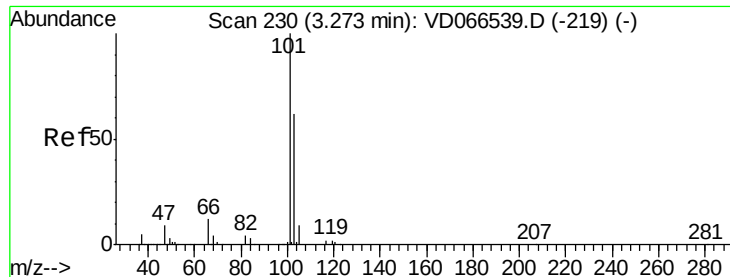
Tgt Ion: 64 Resp: 63265

Ion Ratio Lower Upper

64 100

66 33.3 25.4 38.0





#7

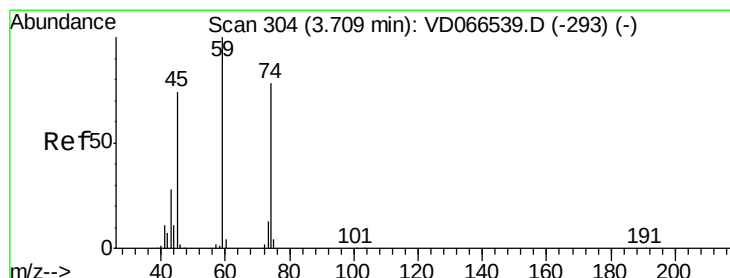
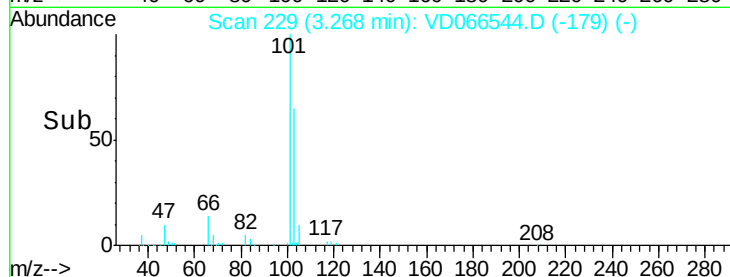
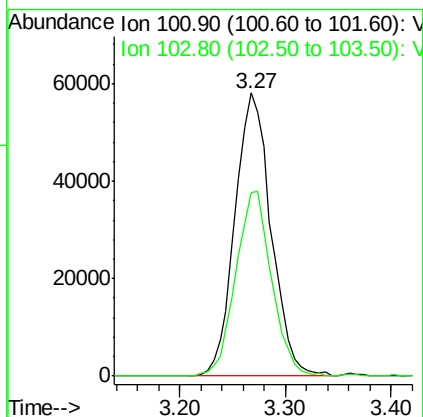
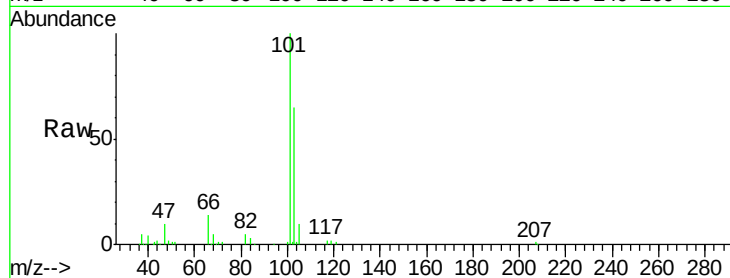
Trichlorofluoromethane
Concen: 20.306 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
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ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.7	74.5

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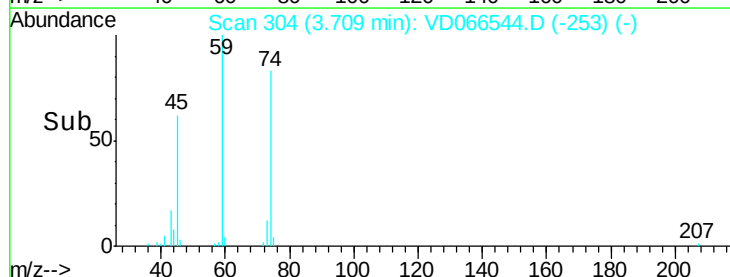
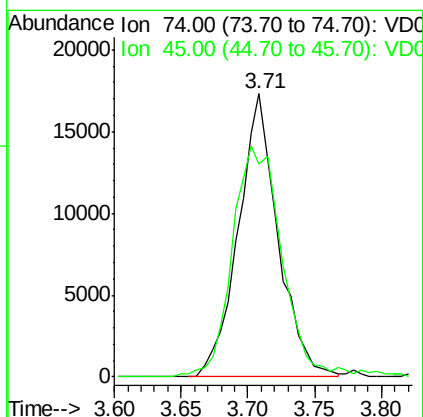
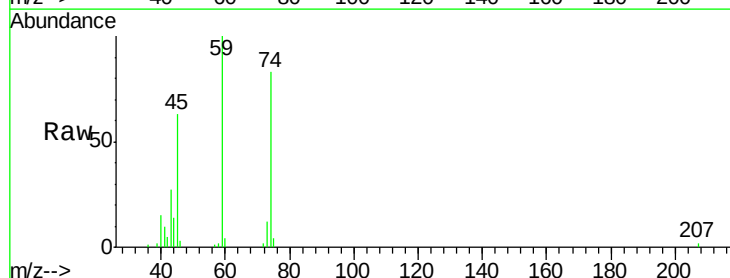
MMDadoda
9/4/2020 4:55:03 PM

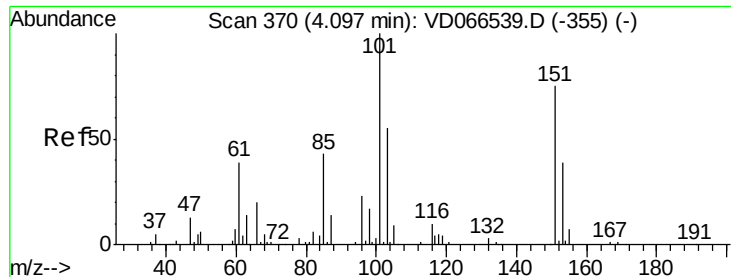


#8

Diethyl Ether
Concen: 20.794 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.471 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

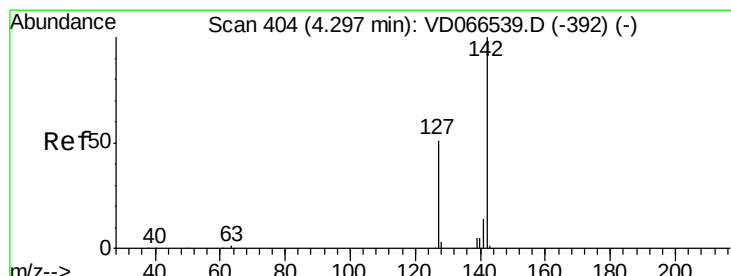
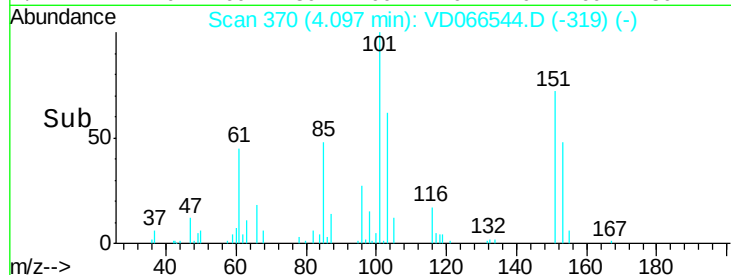
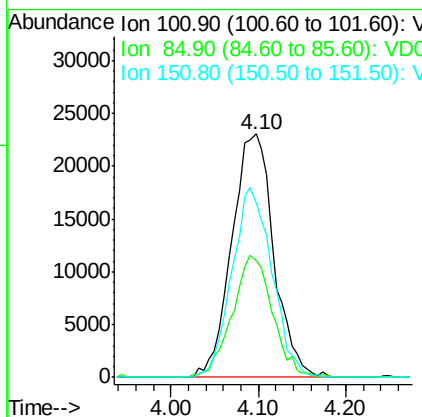
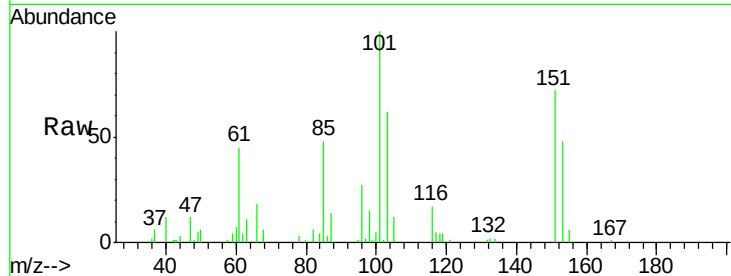
ClientSampleId :

VD0903SBS01

Tot Ion:	101	Resp:	75288
Ion Ratio	Lower	Upper	
101	100		
85	47.9	37.0	55.6
151	74.3	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.673 ug/l

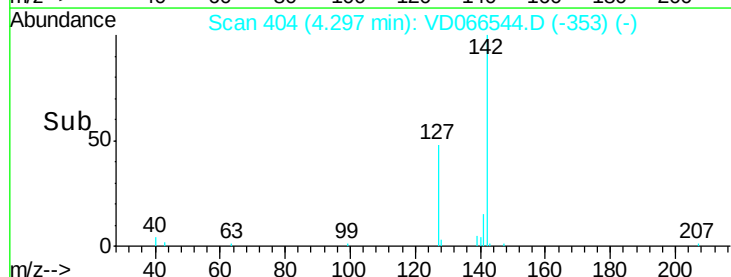
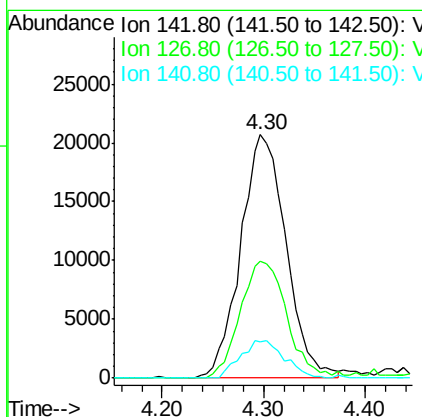
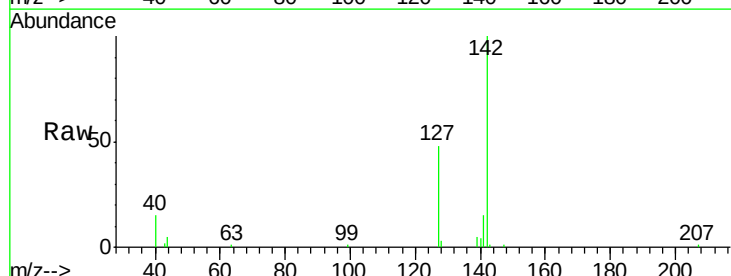
RT: 4.30 min Scan# 404

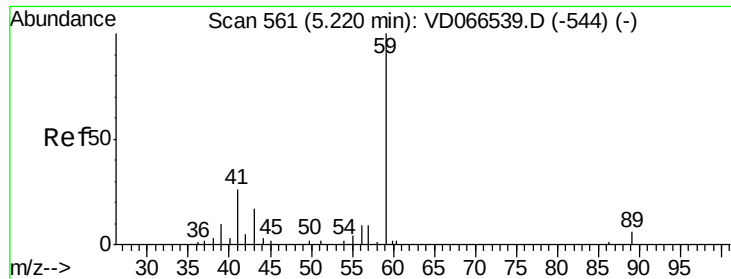
Delta R.T. 0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion:	142	Resp:	64388
Ion Ratio	Lower	Upper	
142	100		
127	49.3	40.6	61.0
141	15.0	12.2	18.4





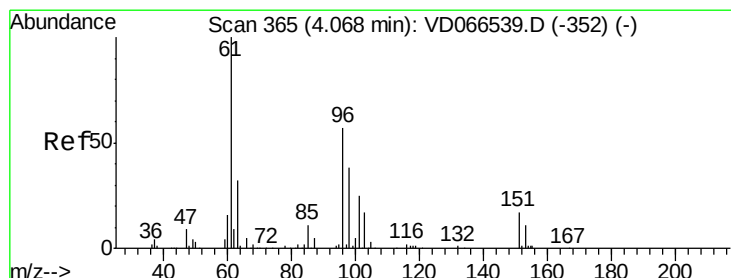
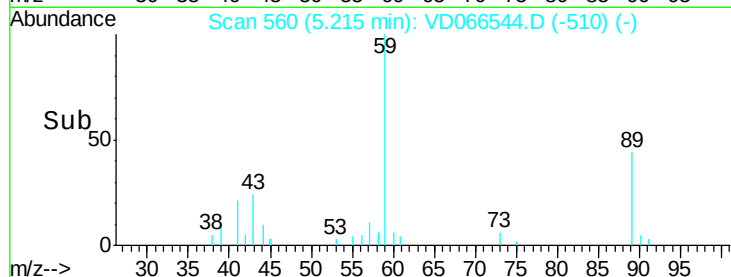
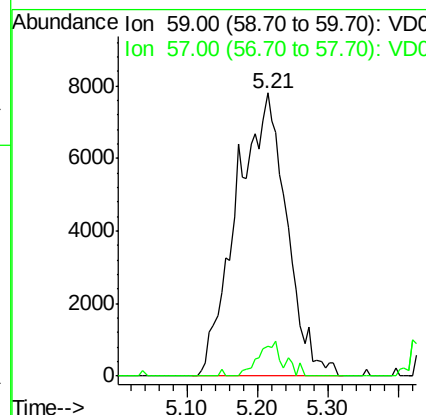
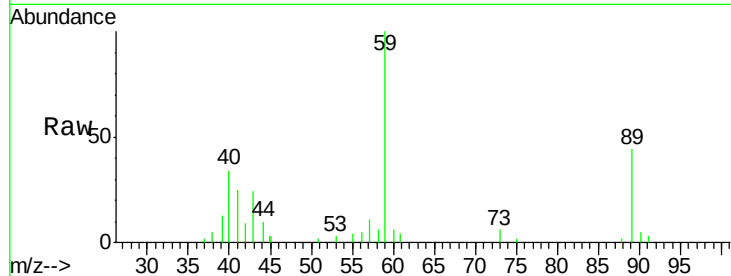
#11
Tert butyl alcohol
Concen: 134.386 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	7.6	11.4#

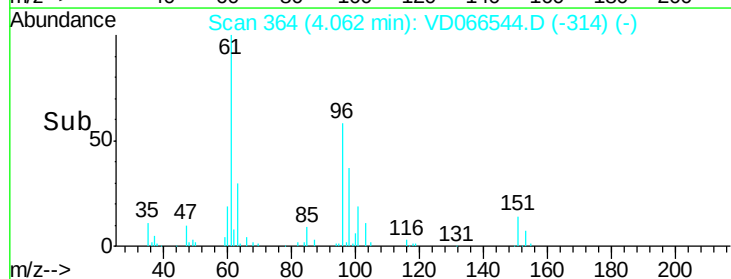
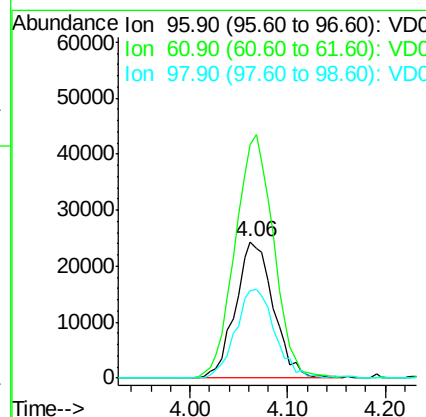
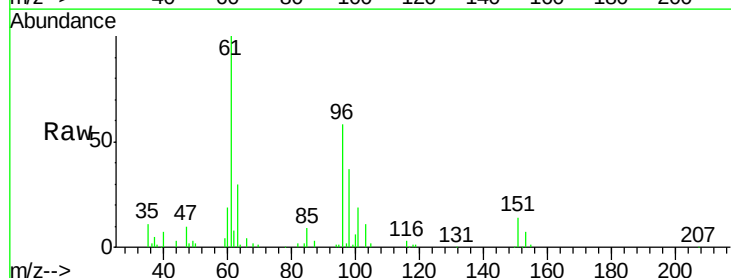
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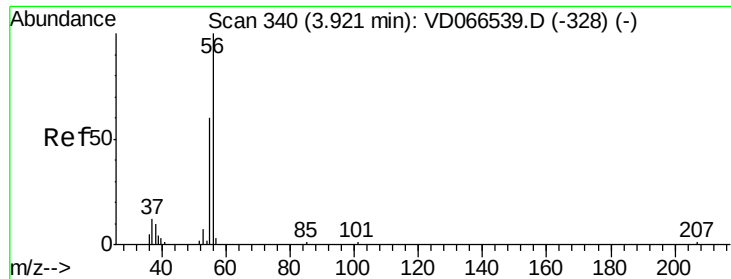
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#12
1,1-Dichloroethene
Concen: 19.875 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.4	140.9	211.3
98	63.7	53.2	79.8





#13

Acrolein

Concen: 117.530 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 56 Resp: 19068

Ion Ratio Lower Upper

56 100

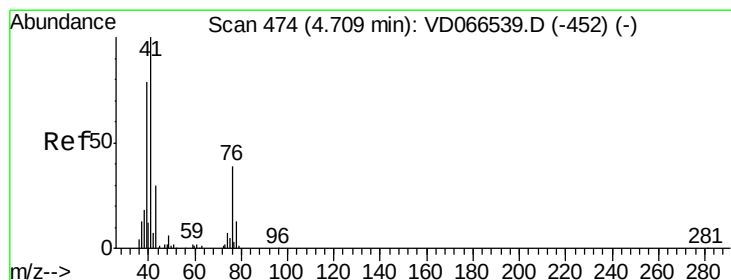
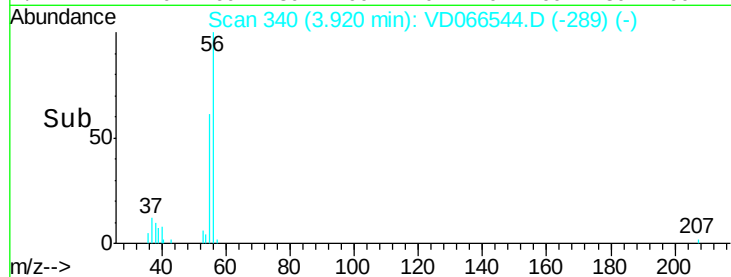
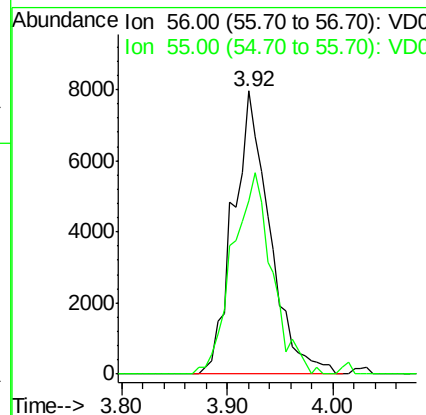
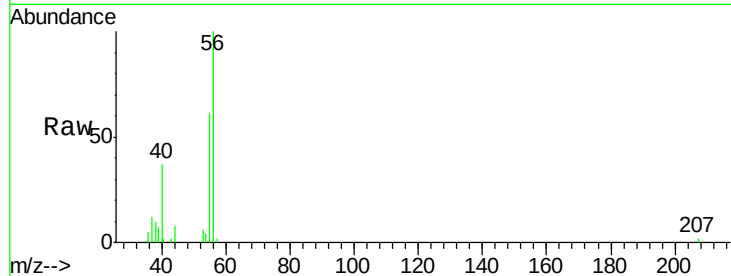
55 77.3 53.6 80.4

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#14

Allyl chloride

Concen: 20.209 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

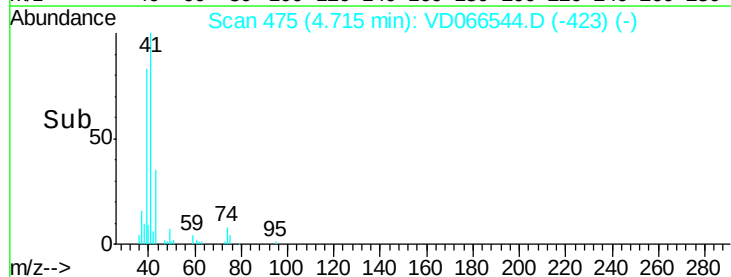
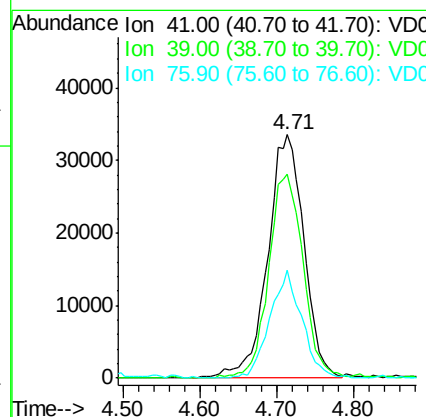
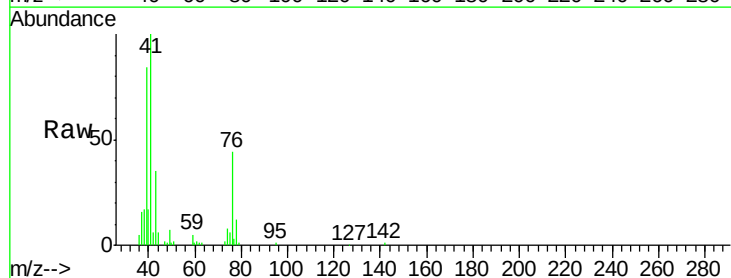
Tgt Ion: 41 Resp: 109431

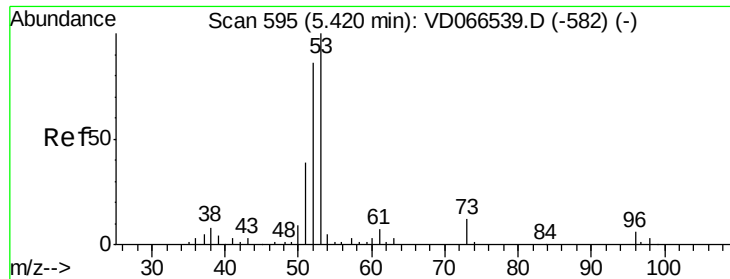
Ion Ratio Lower Upper

41 100

39 79.8 61.9 92.9

76 39.2 29.0 43.6





#15

Acrylonitrile

Concen: 105.797 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

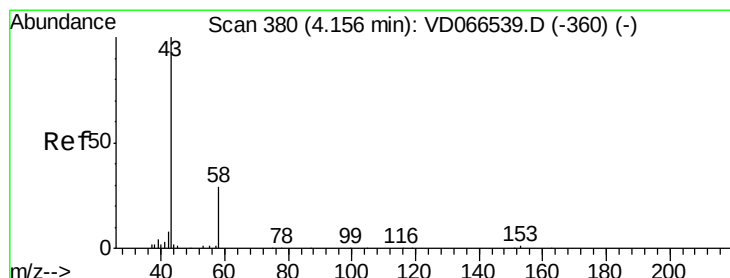
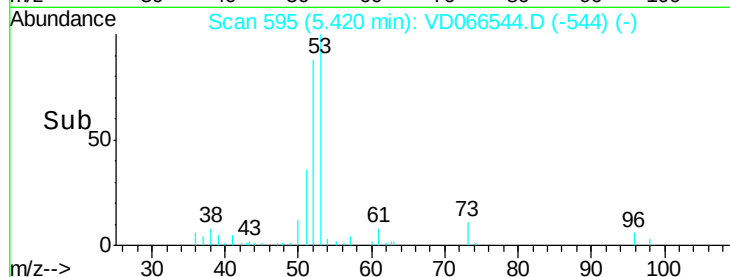
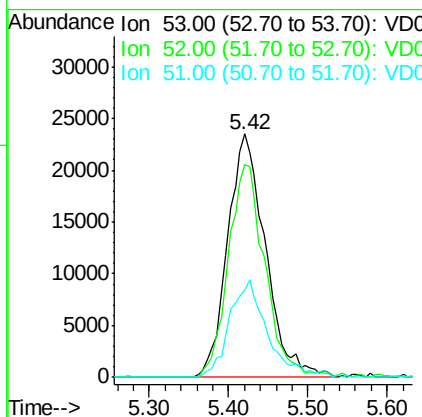
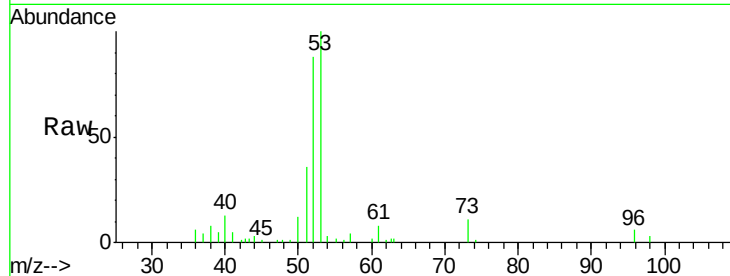
ClientSampleId :

VD0903SBS01

Tot Ion:	53	Resp:	77769
Ion	Ratio	Lower	Upper
53	100		
52	84.8	65.4	98.2
51	40.1	31.2	46.8

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#16

Acetone

Concen: 91.937 ug/l

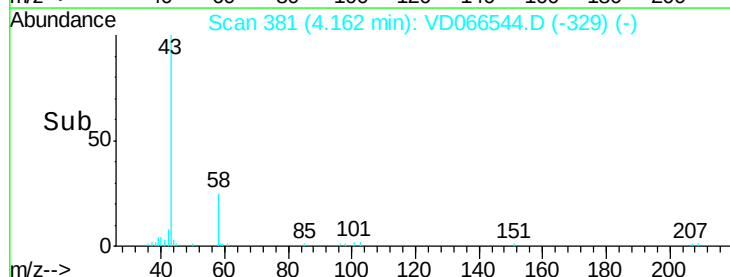
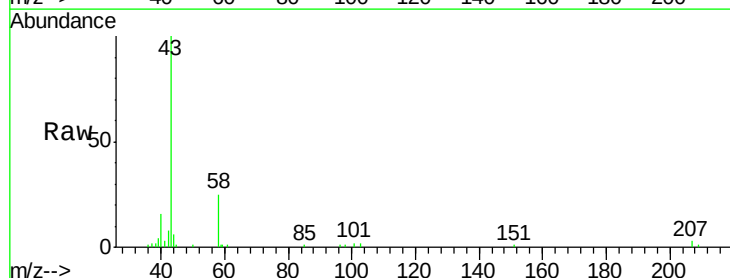
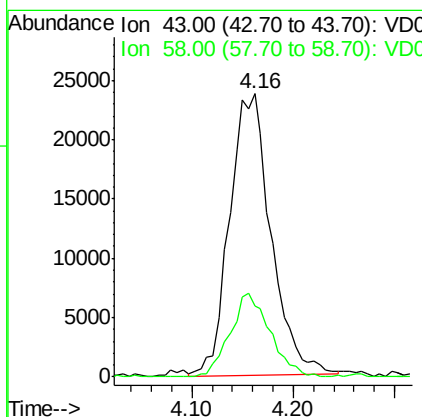
RT: 4.16 min Scan# 381

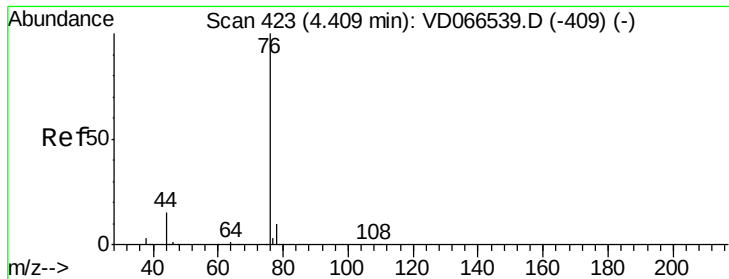
Delta R.T. 0.01 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion:	43	Resp:	67121
Ion	Ratio	Lower	Upper
43	100		
58	25.5	22.9	34.3





#17

Carbon Disulfide

Concen: 20.754 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 76 Resp: 225429

Ion Ratio Lower Upper

76 100

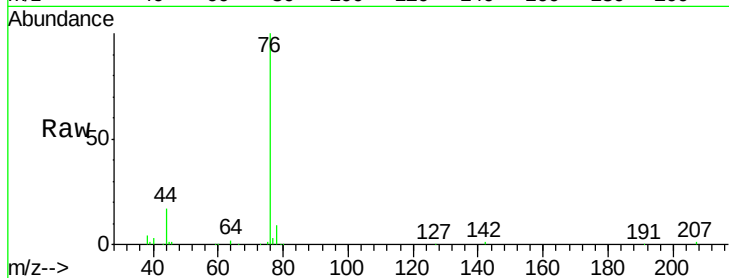
78 8.9 7.6 11.4

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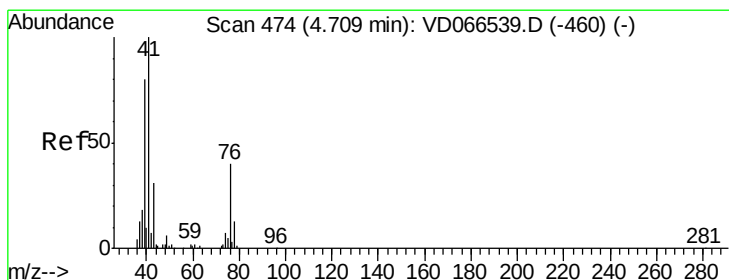
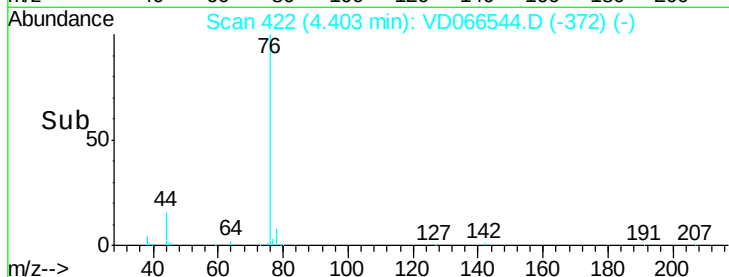
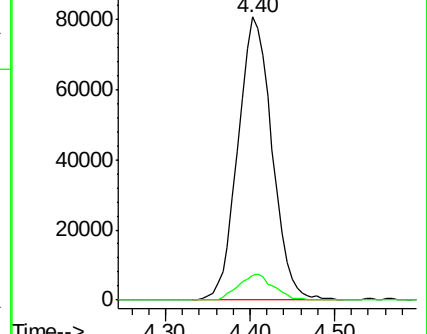
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 23.338 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066544.D

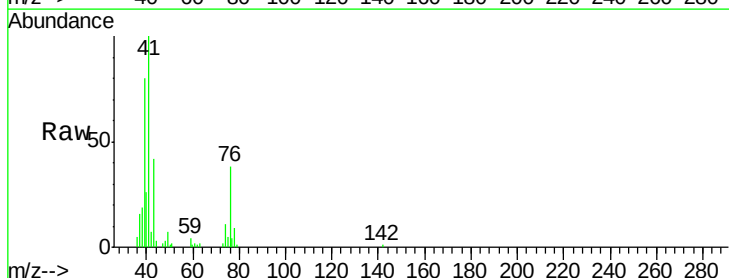
Acq: 03 Sep 2020 20:01

Tgt Ion: 43 Resp: 40616

Ion Ratio Lower Upper

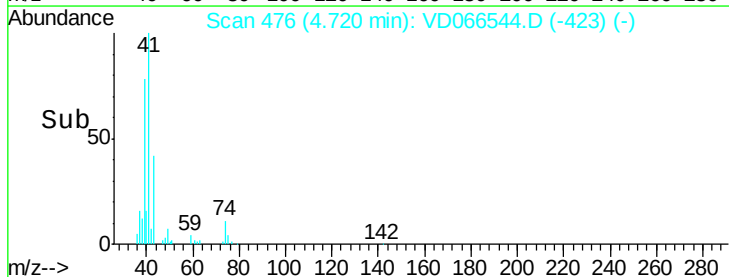
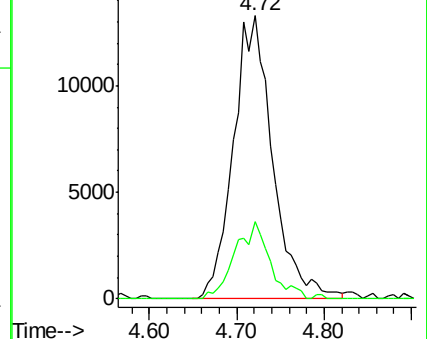
43 100

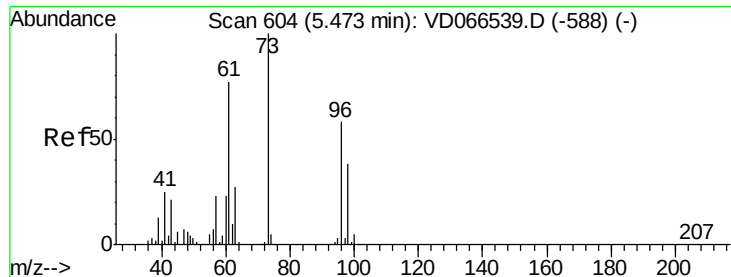
74 24.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





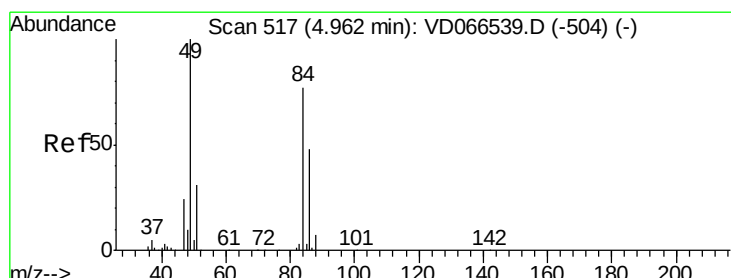
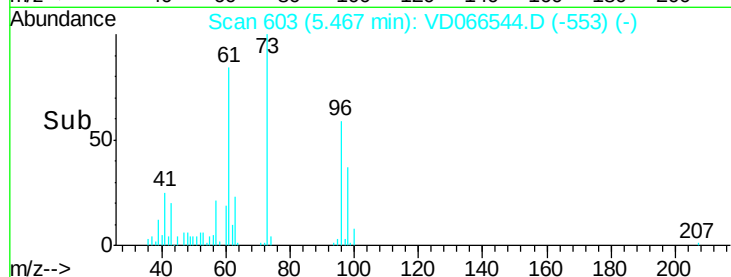
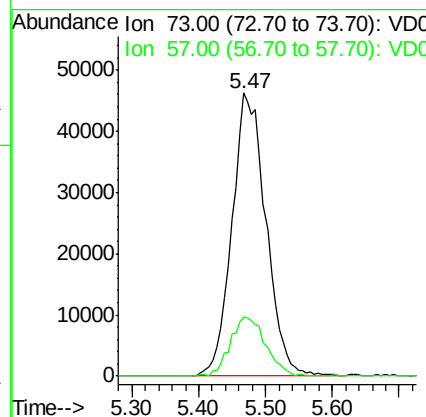
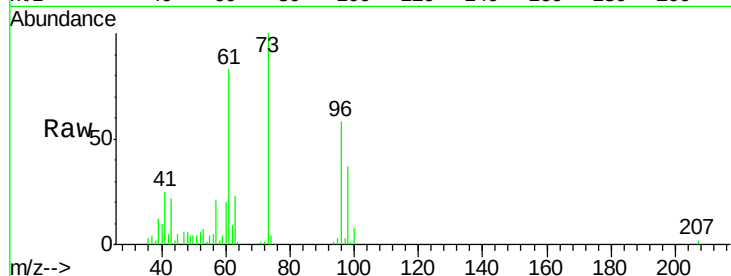
#19
Methyl tert-butyl Ether
Concen: 21.133 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion: 73 Resp: 163741
Ion Ratio Lower Upper
73 100
57 20.8 18.3 27.5

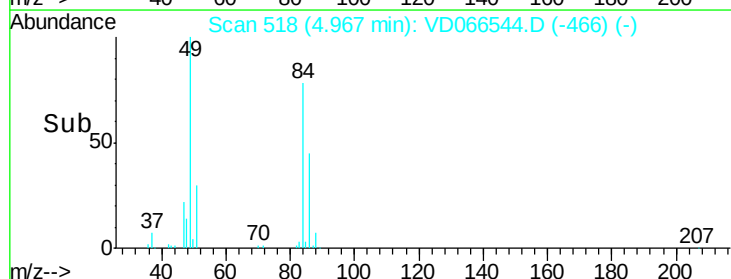
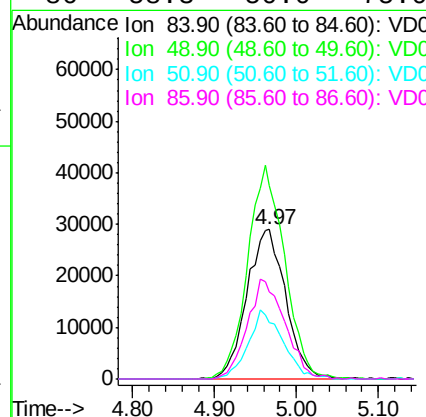
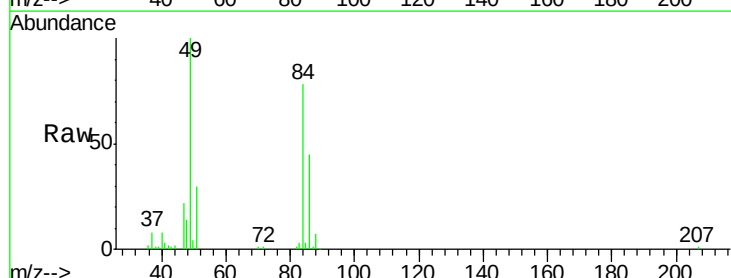
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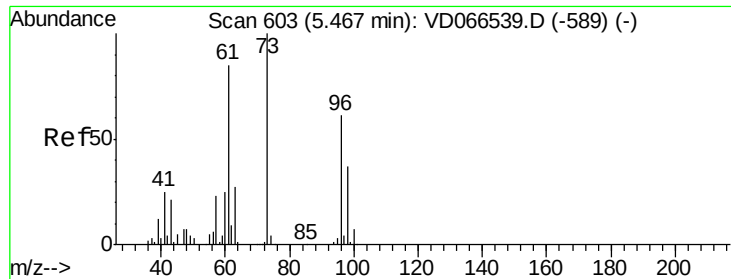
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#20
Methylene Chloride
Concen: 20.141 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion: 84 Resp: 95860
Ion Ratio Lower Upper
84 100
49 129.0 104.3 156.5
51 38.1 32.2 48.4
86 58.3 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 20.347 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

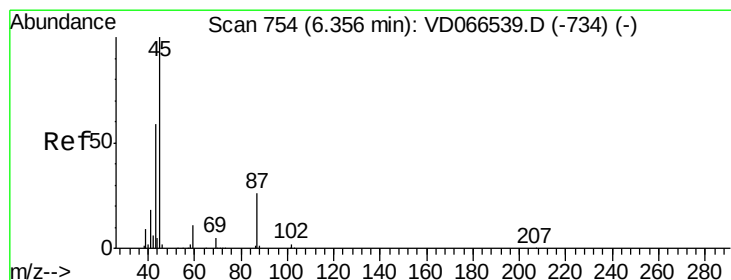
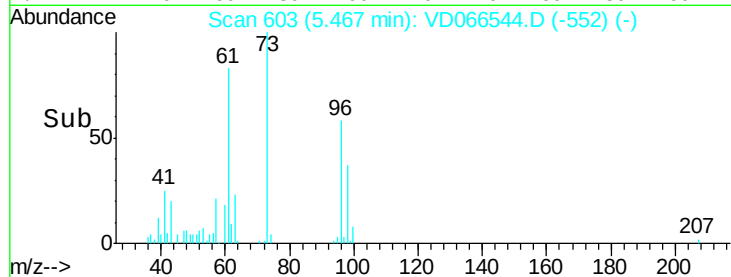
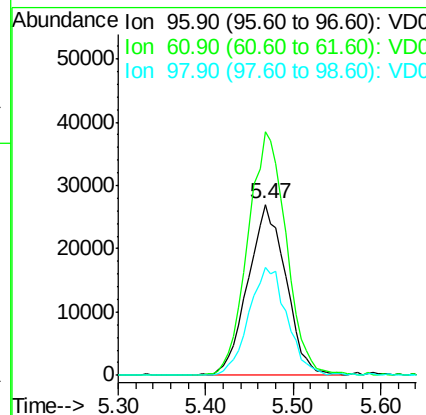
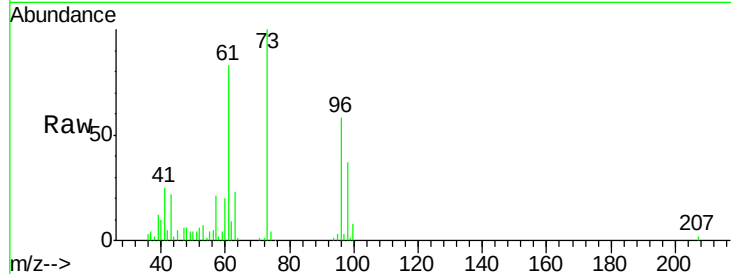
ClientSampleId :

VD0903SBS01

Tot Ion:	96	Resp:	79835
Ion	Ratio	Lower	Upper
96	100		
61	142.5	112.1	168.1
98	63.0	48.6	72.8

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#22

Diisopropyl ether

Concen: 21.986 ug/l

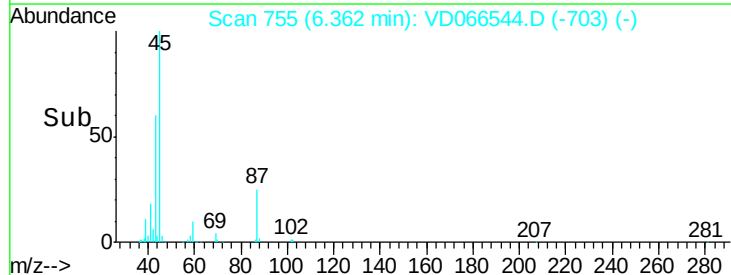
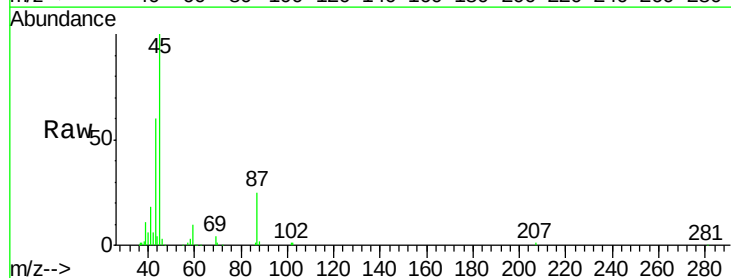
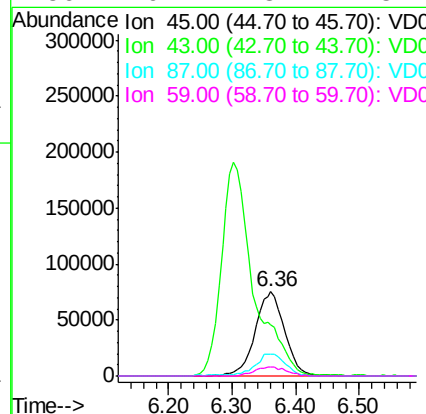
RT: 6.36 min Scan# 755

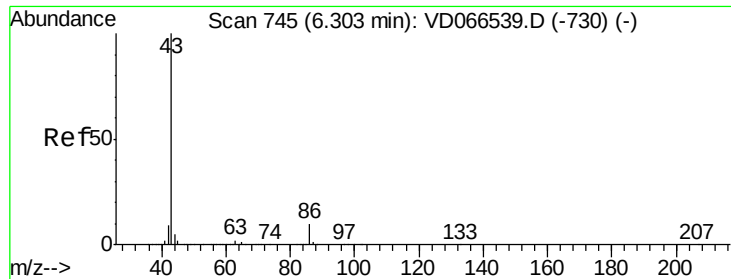
Delta R.T. 0.01 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion:	45	Resp:	244828
Ion	Ratio	Lower	Upper
45	100		
43	59.2	47.0	70.4
87	25.1	21.3	31.9
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 106.424 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 43 Resp: 674399

Ion Ratio Lower Upper

43 100

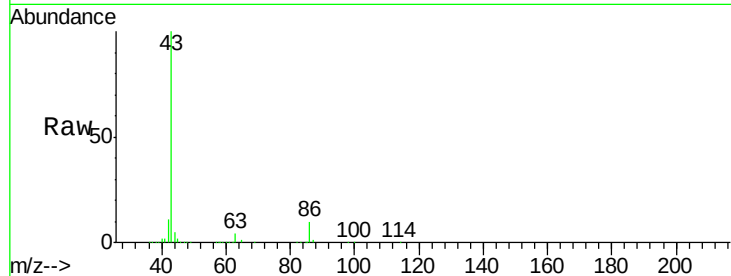
86 10.3 7.7 11.5

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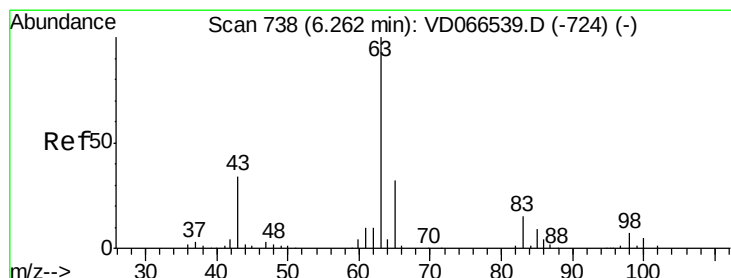
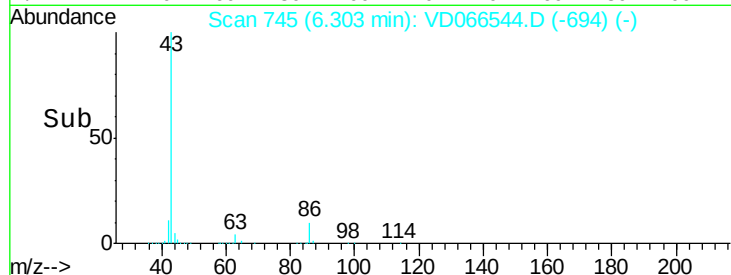
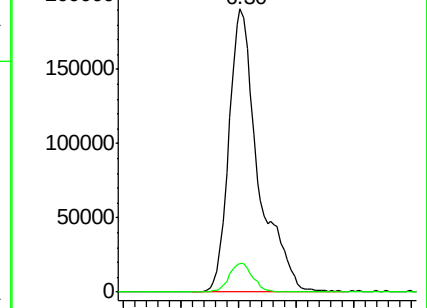
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.664 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

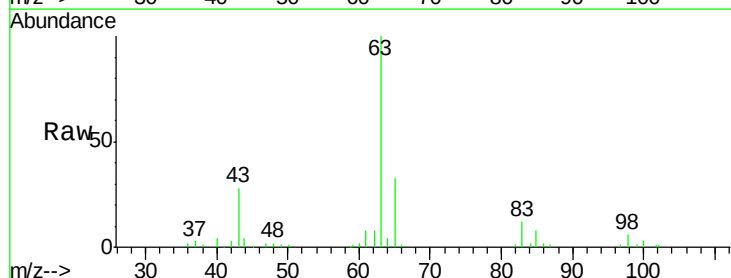
Tgt Ion: 63 Resp: 151702

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.1

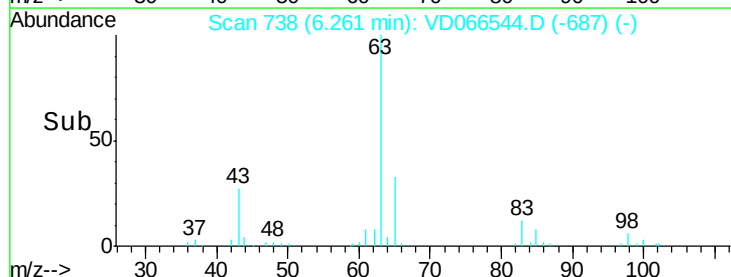
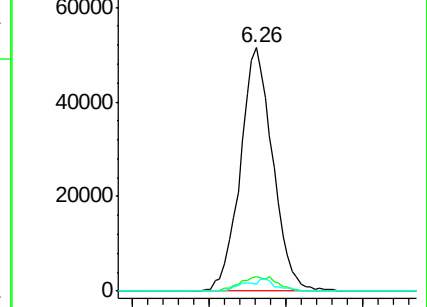
100 2.7 2.5 7.4

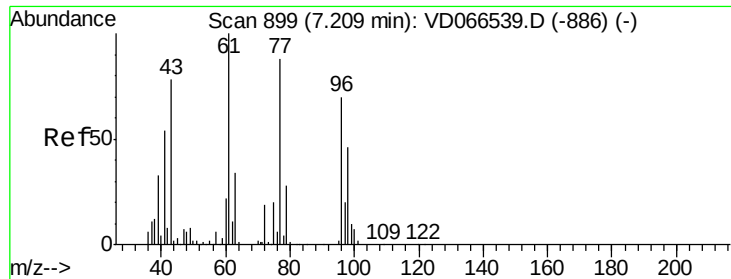


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.119 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 43 Resp: 101062

Ion Ratio Lower Upper

43 100

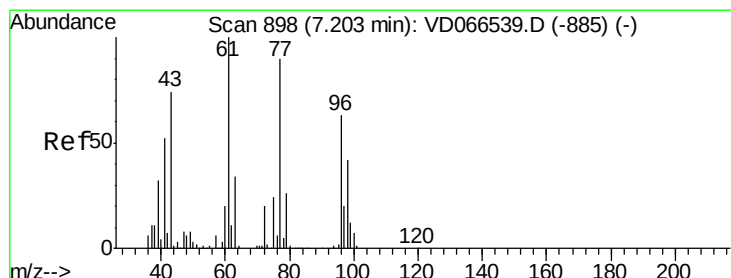
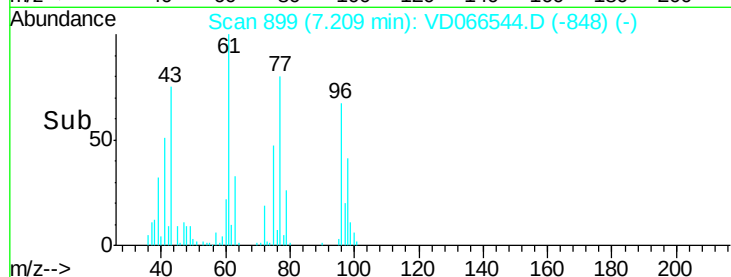
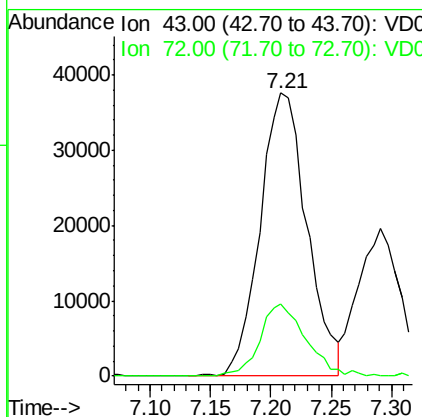
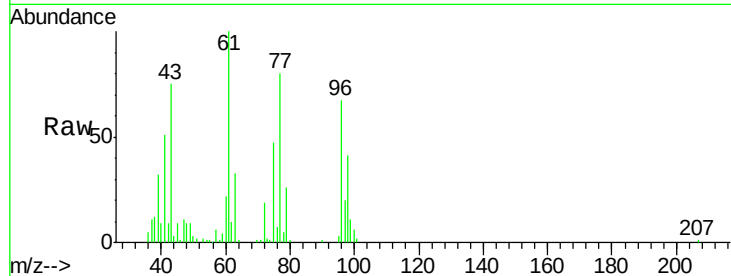
72 25.3 19.8 29.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.006 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066544.D

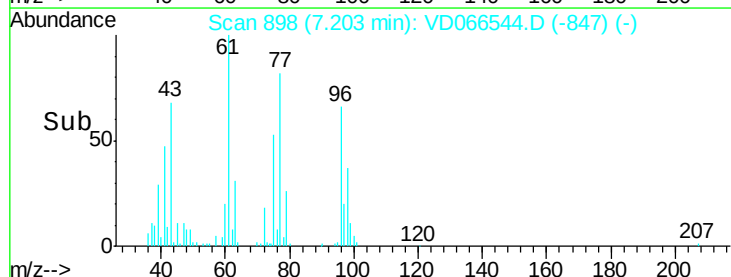
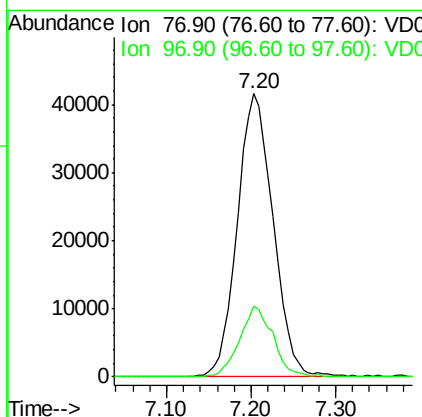
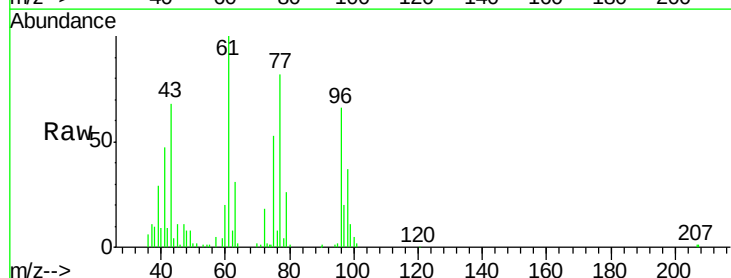
Acq: 03 Sep 2020 20:01

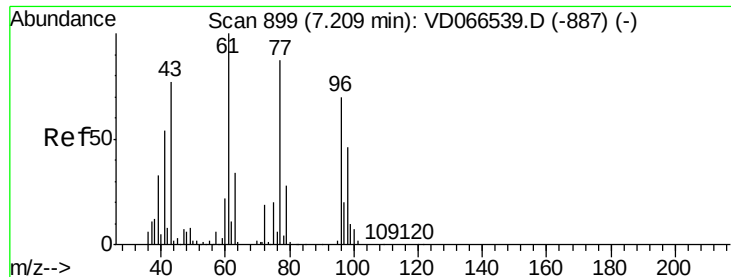
Tgt Ion: 77 Resp: 122082

Ion Ratio Lower Upper

77 100

97 23.3 10.8 32.3





#27

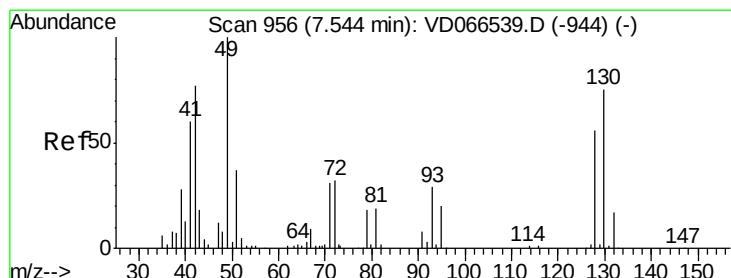
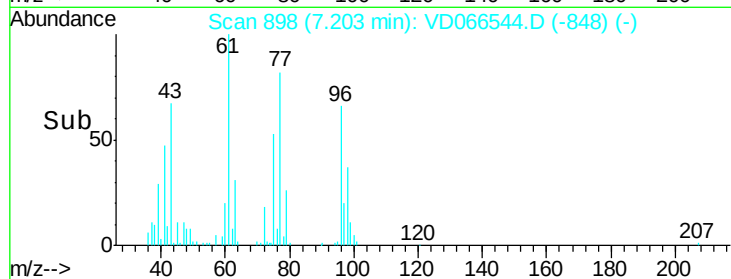
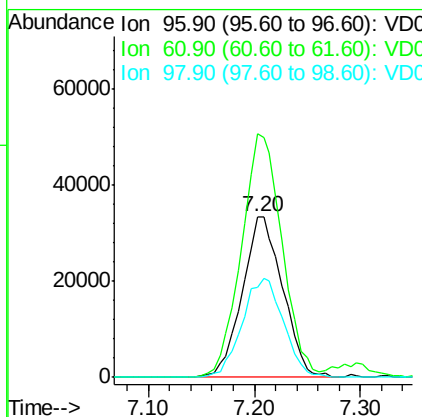
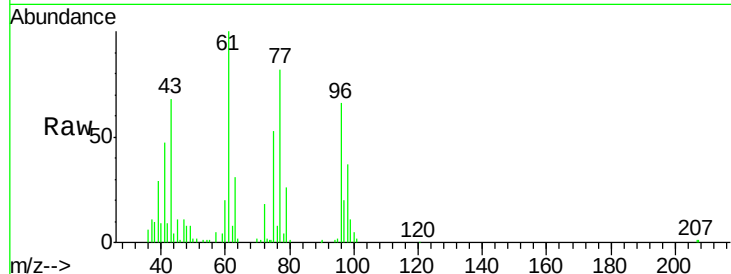
cis-1,2-Dichloroethene
 Concen: 21.007 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	96	Resp	88638
Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	301.0
98	63.2	0.0	129.8

Manual Integrations
 APPROVED

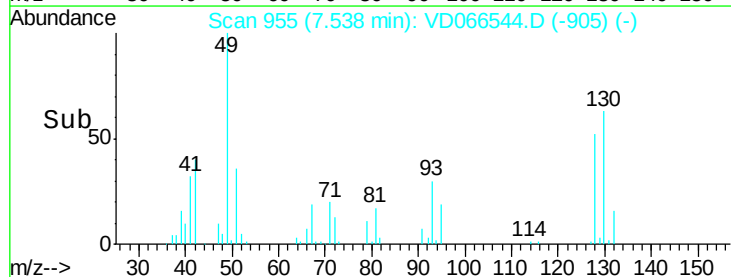
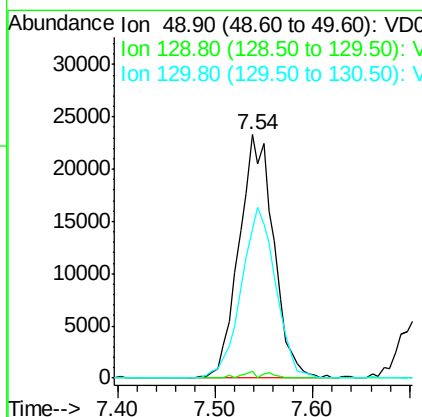
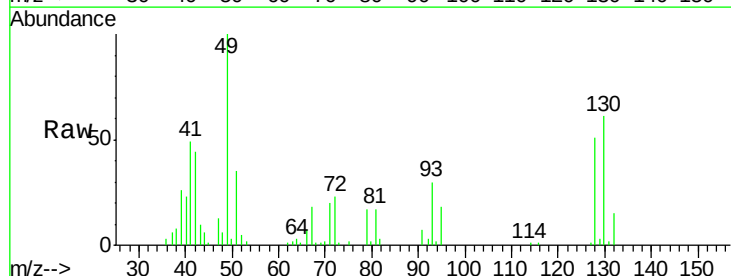
MMDadoda
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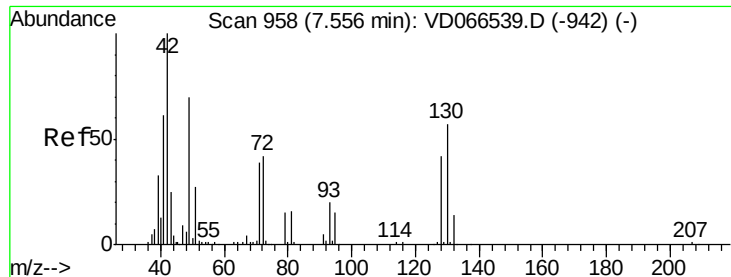


#28

Bromochloromethane
 Concen: 21.469 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	49	Resp	57880
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.6
130	69.6	58.2	87.2





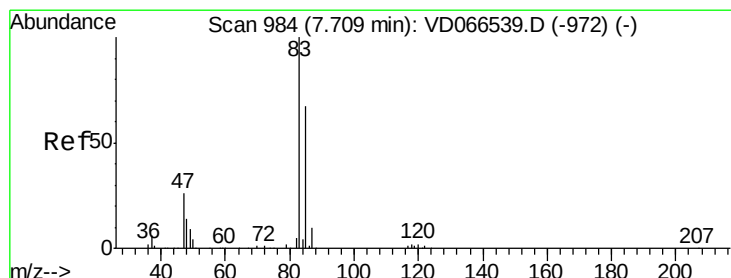
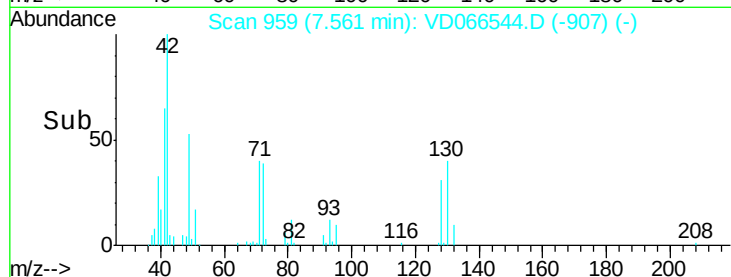
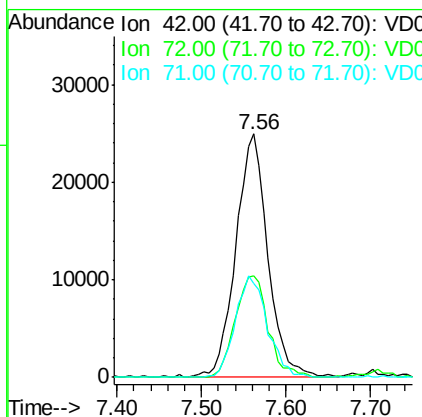
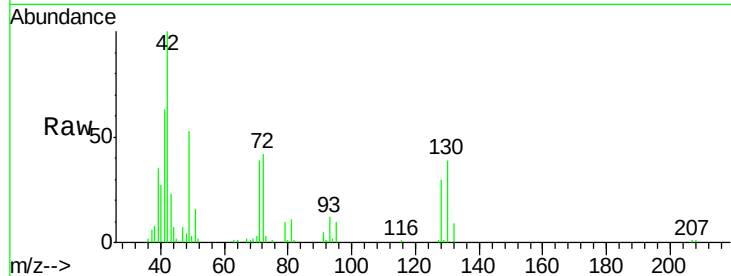
#29
Tetrahydrofuran
Concen: 107.111 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.4	50.0
71	41.4	31.9	47.9

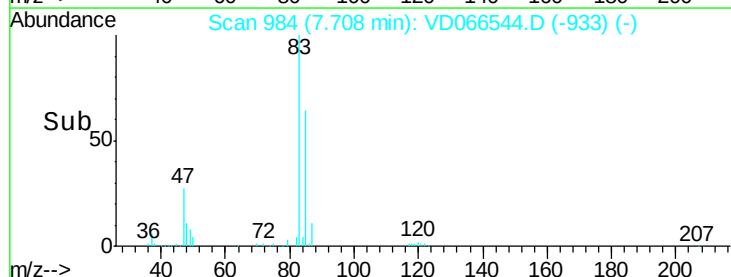
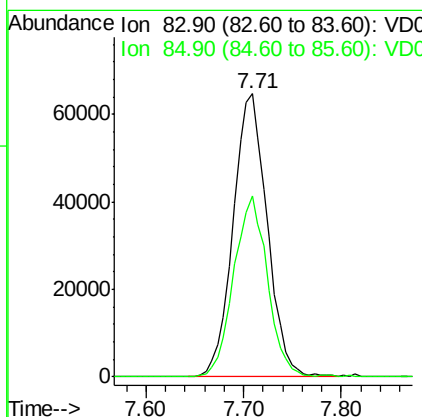
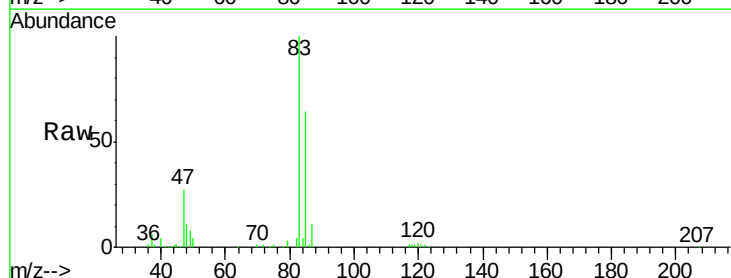
Manual Integrations
APPROVED

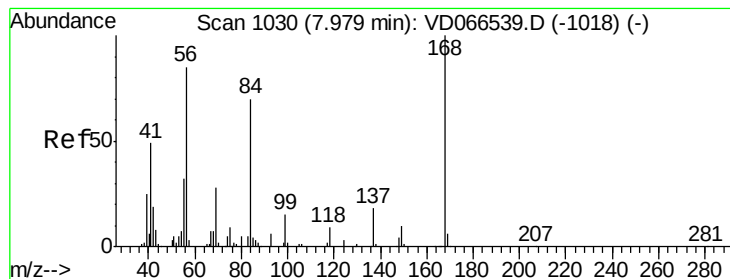
MMDadoda
9/4/2020 4:55:03 PM



#30
Chloroform
Concen: 21.271 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.6	80.4





#31

Cyclohexane

Concen: 19.713 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

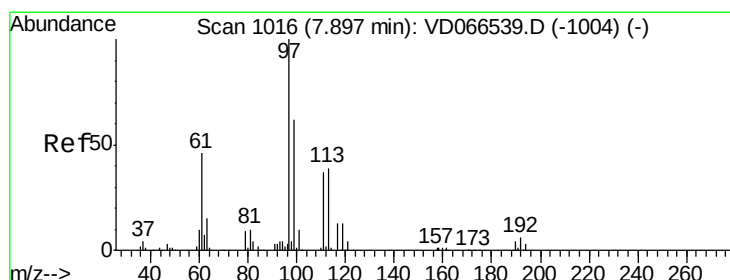
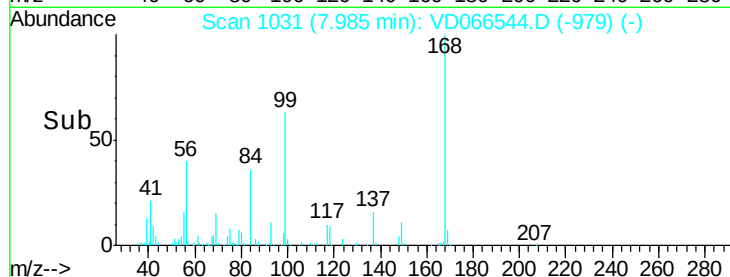
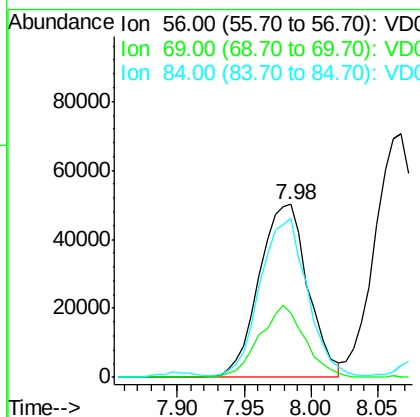
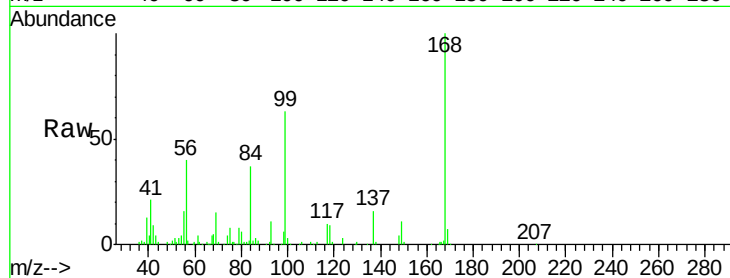
ClientSampleId :

VD0903SBS01

Tot Ion:	56	Resp:	127609
Ion Ratio	Lower	Upper	
56	100		
69	37.5	26.3	39.5
84	89.4	66.1	99.1

Manual Integrations
APPROVED

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9/4/2020 4:55:03 PM



#32

1,1,1-Trichloroethane

Concen: 20.376 ug/l

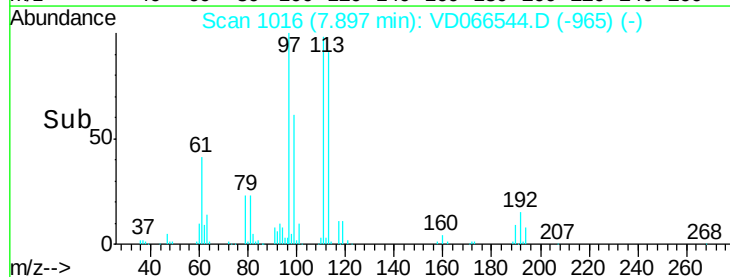
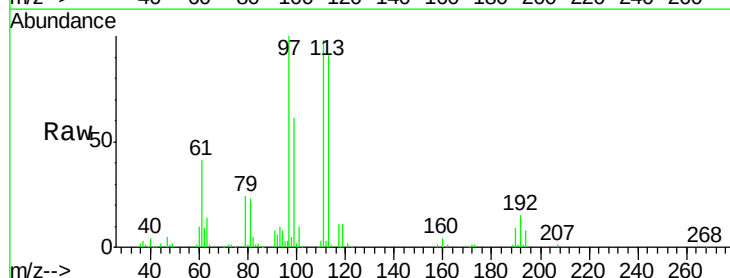
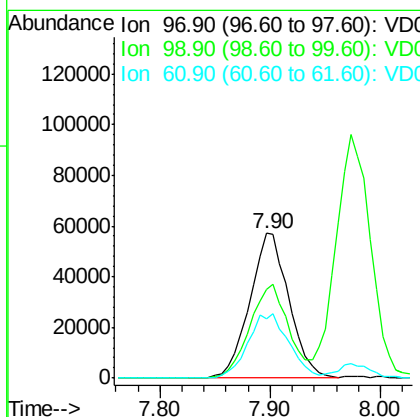
RT: 7.90 min Scan# 1016

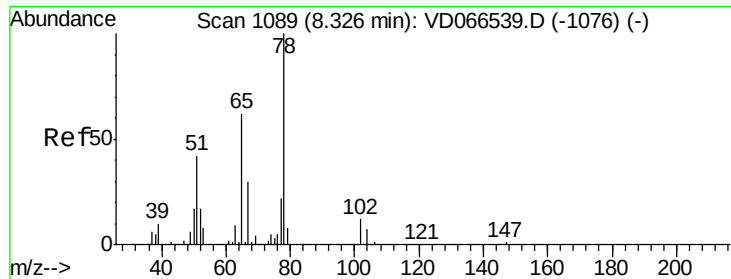
Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion:	97	Resp:	141925
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.4	77.0
61	46.6	37.4	56.0





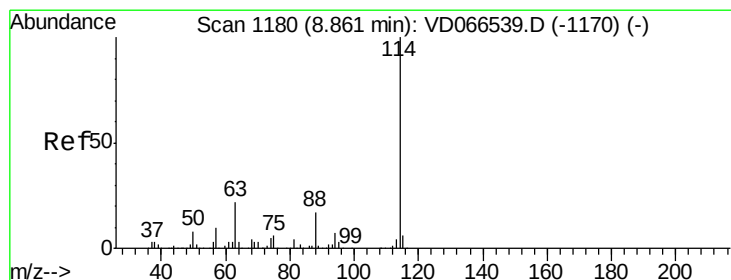
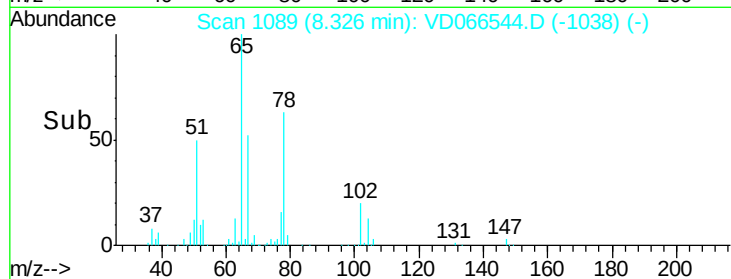
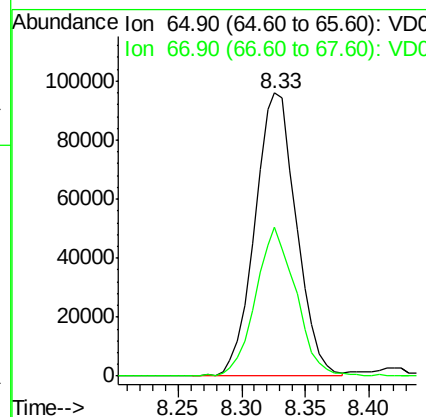
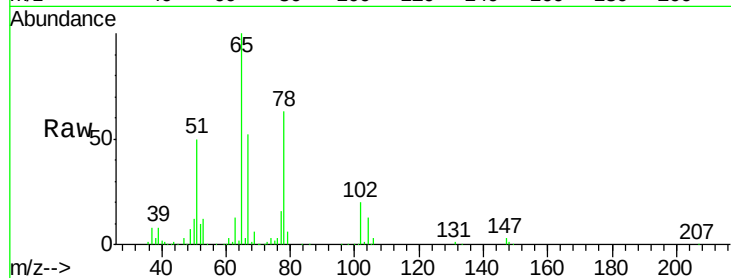
#33
 1,2-Dichloroethane-d4
 Concen: 55.108 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	218660		
67	51.1	0.0	102.8	

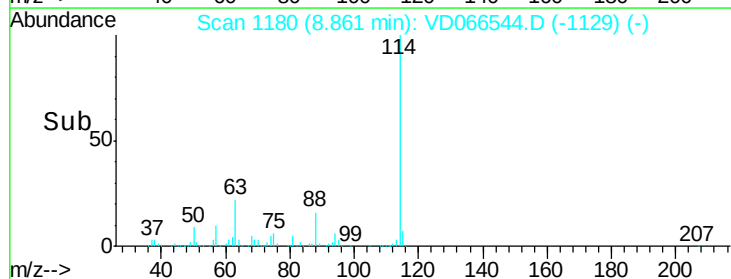
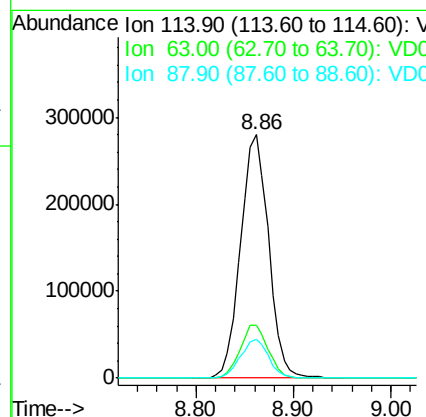
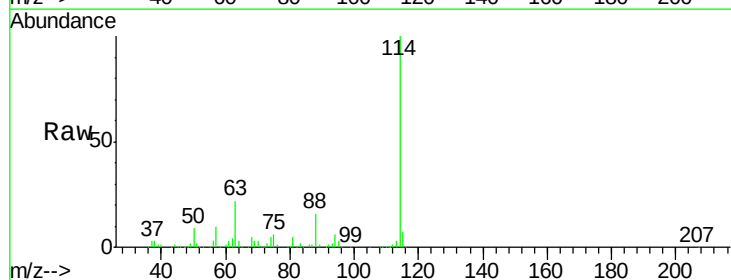
Manual Integrations
 APPROVED

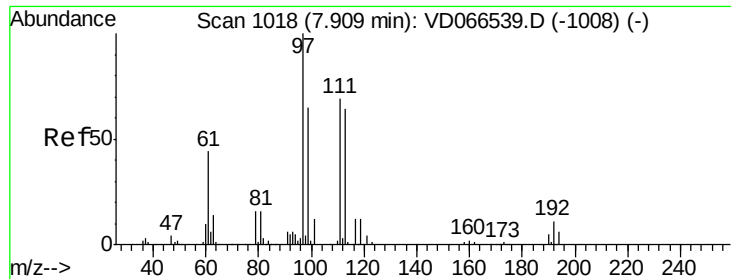
MMDadoda
 9/4/2020 4:55:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	562413		
63	21.5	0.0	43.2	
88	15.9	0.0	33.2	





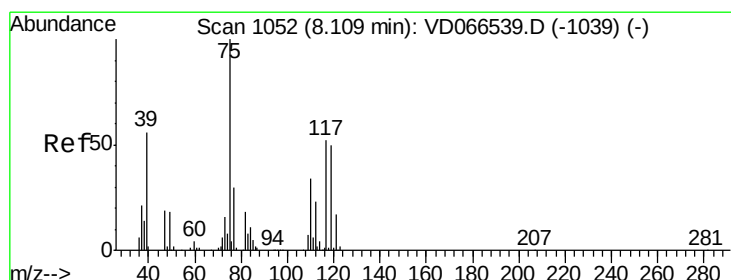
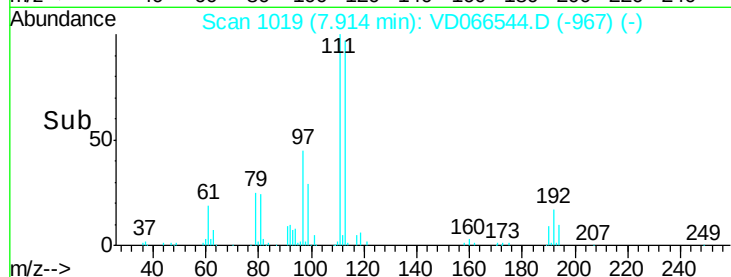
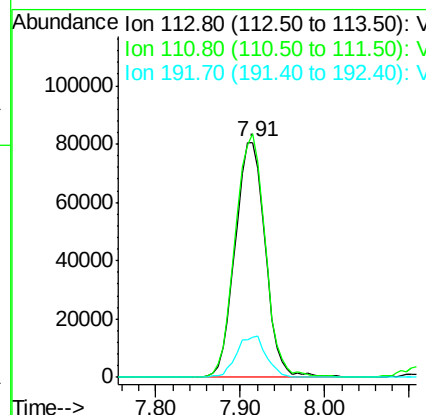
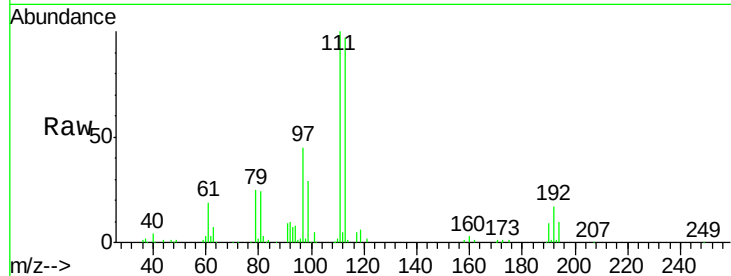
#35
 Dibromofluoromethane
 Concen: 52.415 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198868		
111	103.0	83.2	124.8	
192	17.5	13.7	20.5	

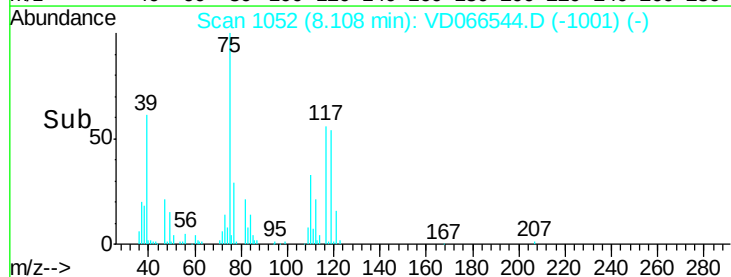
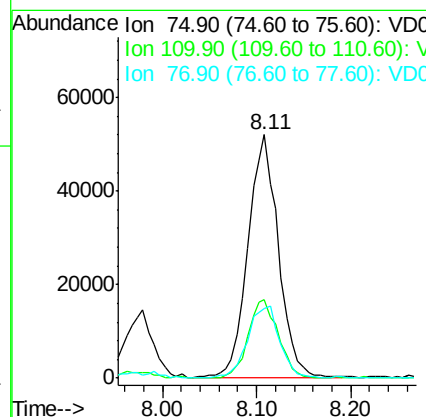
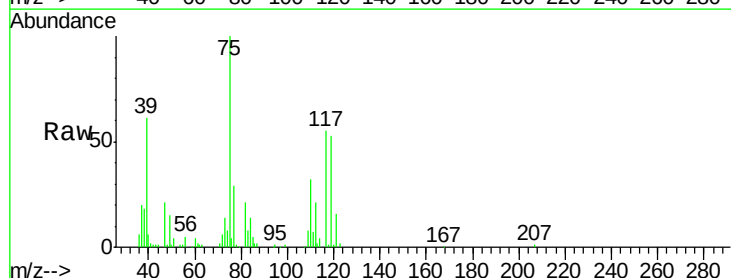
Manual Integrations
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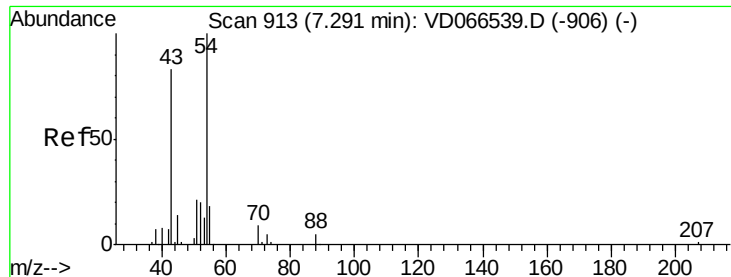
MMDadoda
 9/4/2020 4:55:03 PM



#36
 1,1-Dichloropropene
 Concen: 20.052 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	117366		
110	31.7	17.3	52.0	
77	31.3	25.1	37.7	





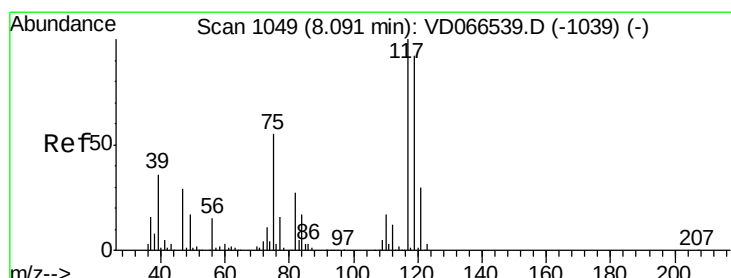
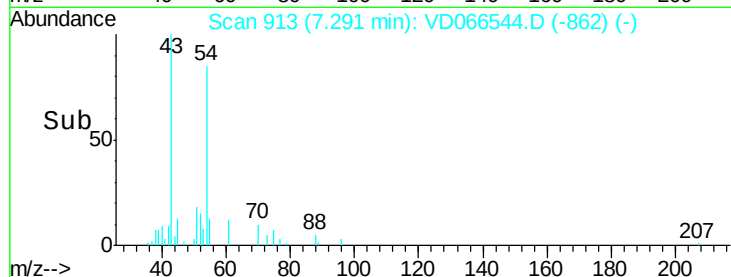
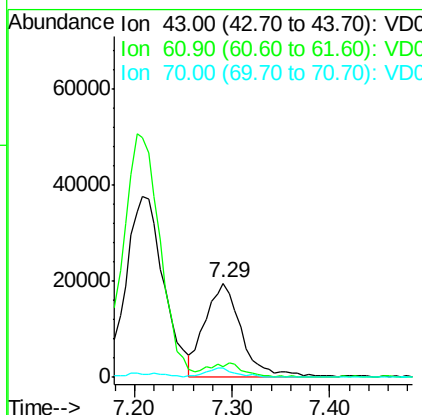
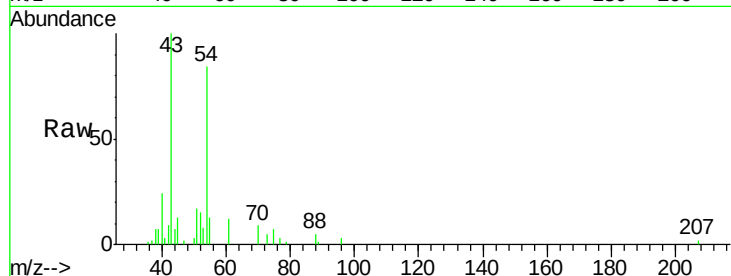
#37
Ethyl Acetate
Concen: 21.913 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	8.2	7.9	11.9

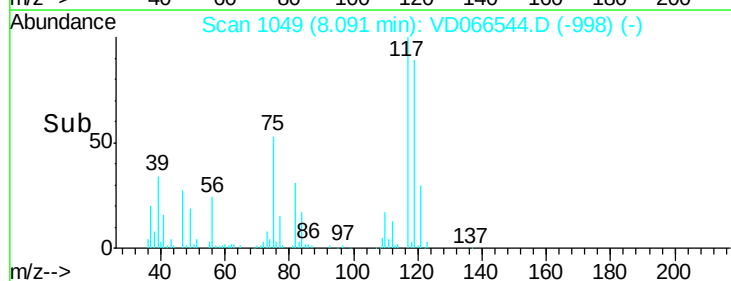
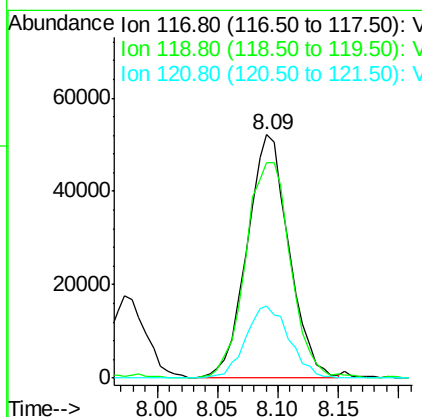
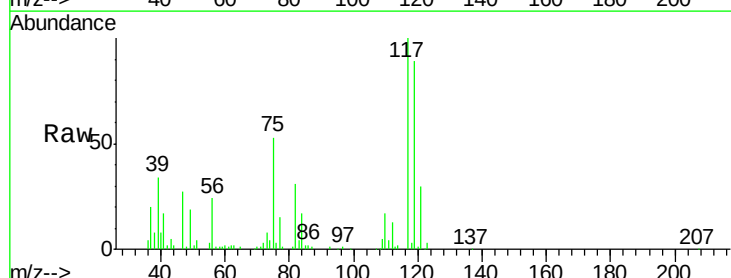
Manual Integrations
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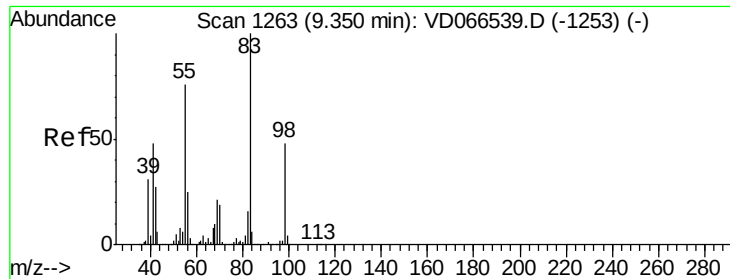
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9/4/2020 4:55:03 PM



#38
Carbon Tetrachloride
Concen: 20.094 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.9	110.9
121	29.8	24.1	36.1





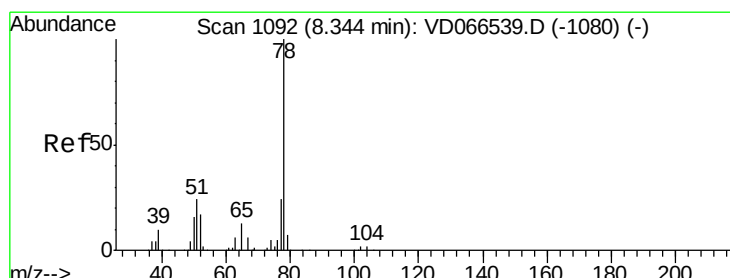
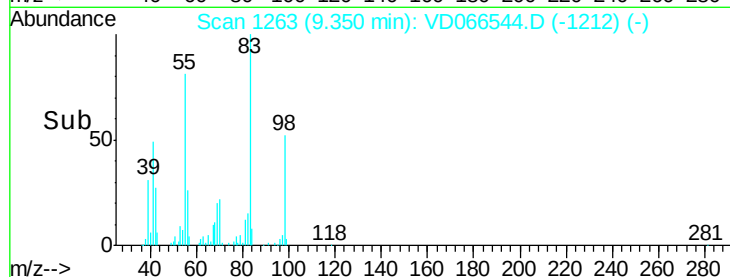
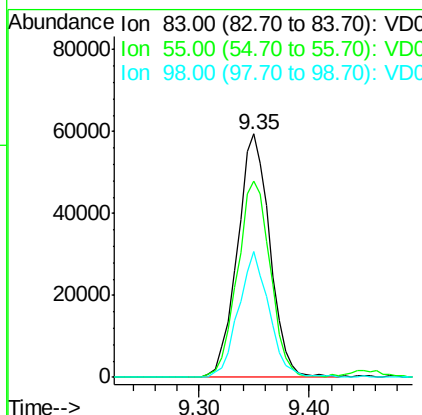
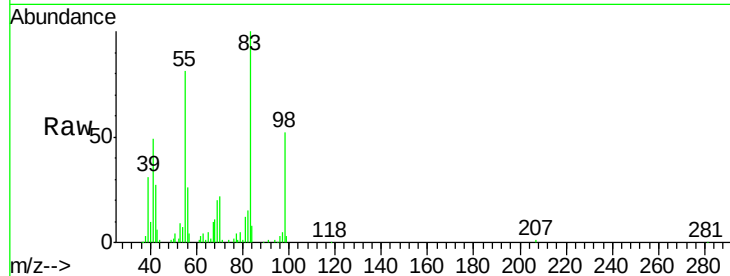
#39
Methylvlcyclohexane
Concen: 18.858 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	60.8	91.2
98	51.5	38.6	58.0

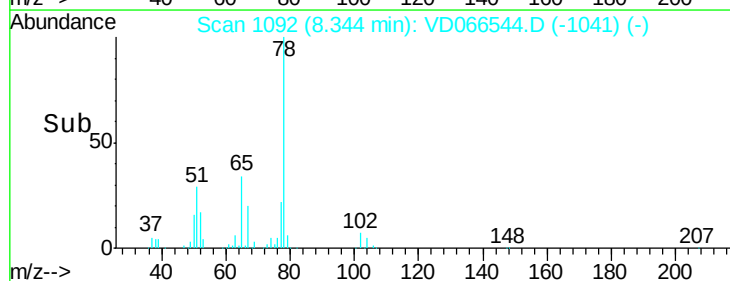
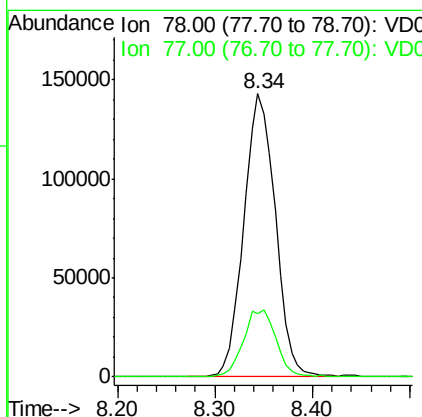
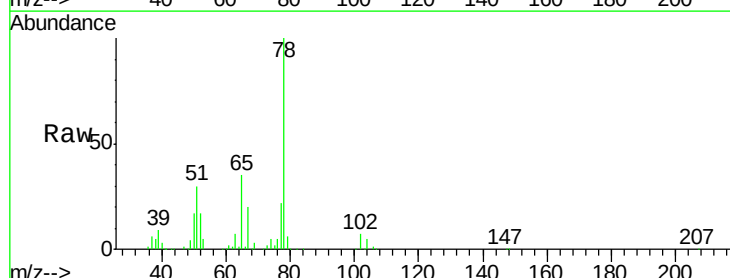
Manual Integrations
APPROVED

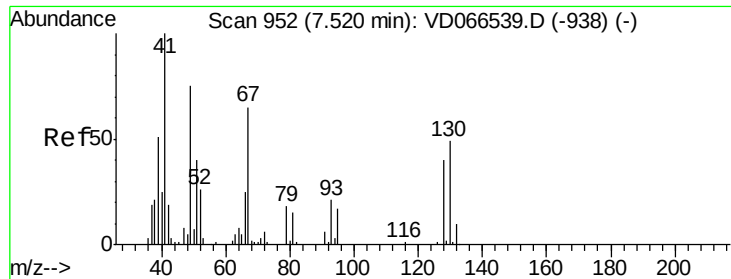
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#40
Benzene
Concen: 20.124 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.1	28.7





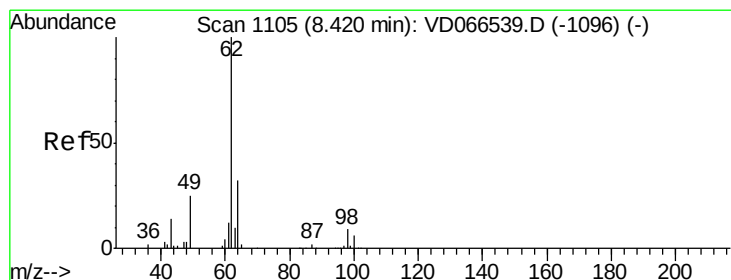
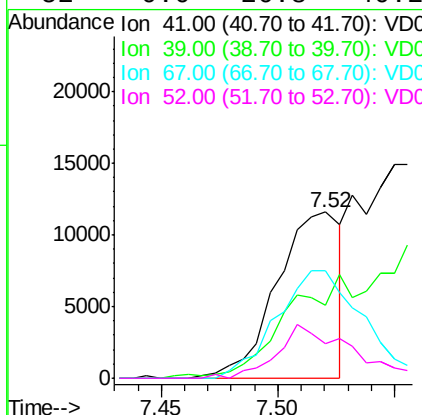
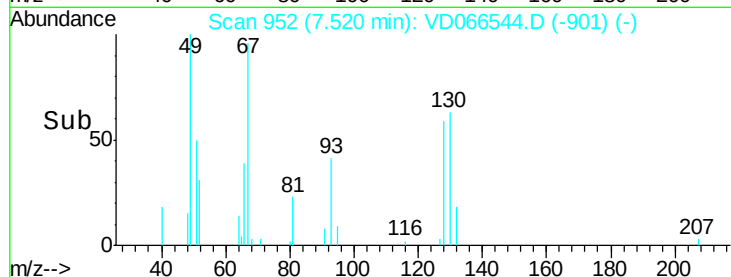
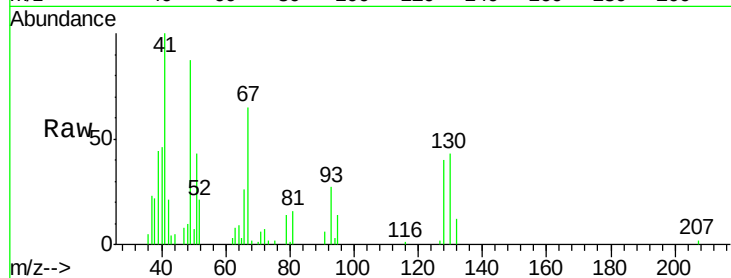
#41
Methacrylonitrile
Concen: 19.543 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	91.7	53.6	80.4#
67	0.0	59.2	88.8#
52	0.0	26.8	40.2#

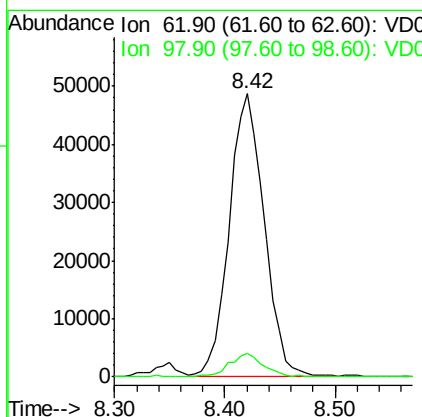
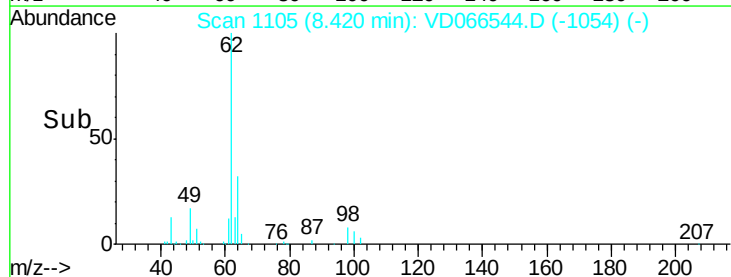
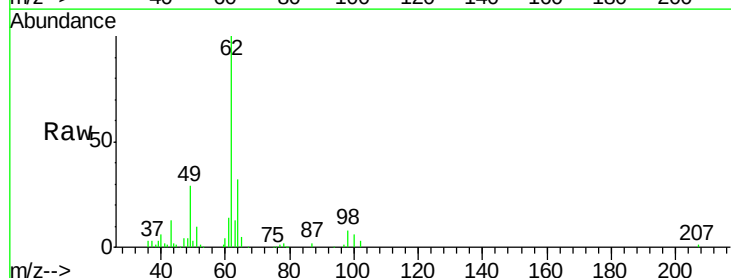
Manual Integrations
APPROVED

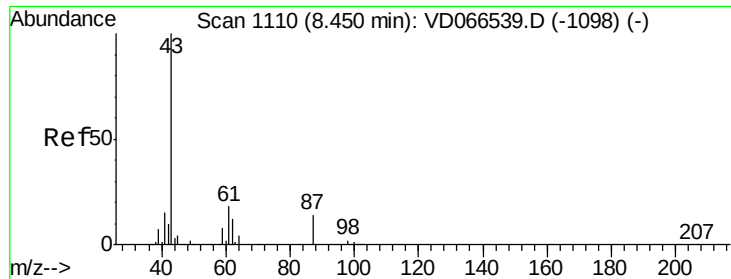
MMDadoda
9/4/2020 4:55:03 PM



#42
1,2-Dichloroethane
Concen: 20.889 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.728 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

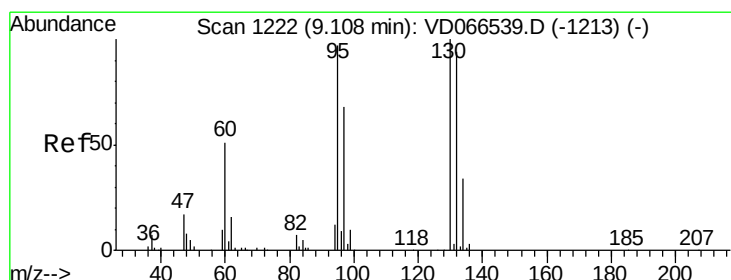
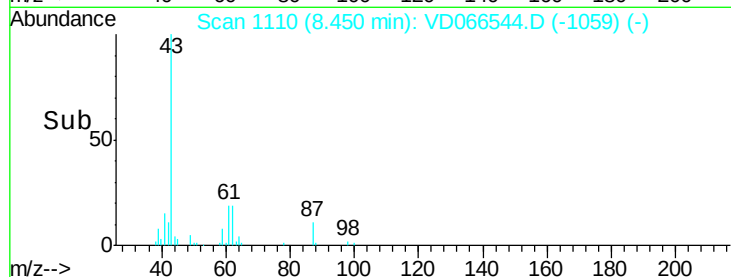
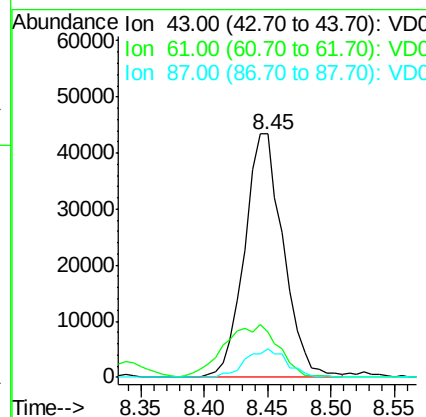
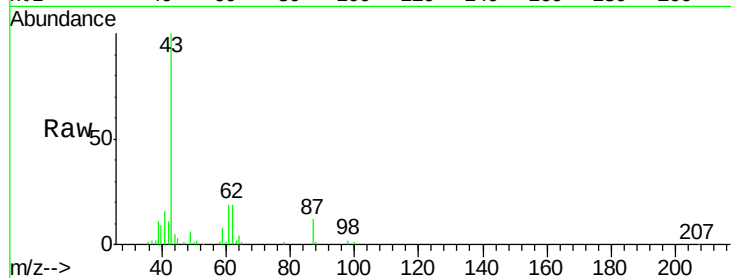
ClientSampleId :

VD0903SBS01

Tot Ion:	43	Resp:	92582
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.8
87	12.5	10.7	16.1

Manual Integrations
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9/4/2020 4:55:03 PM



#44

Trichloroethene

Concen: 20.394 ug/l

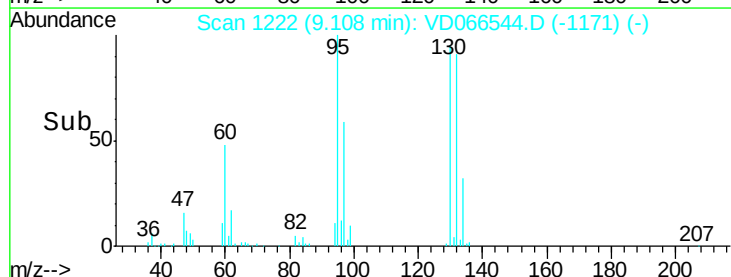
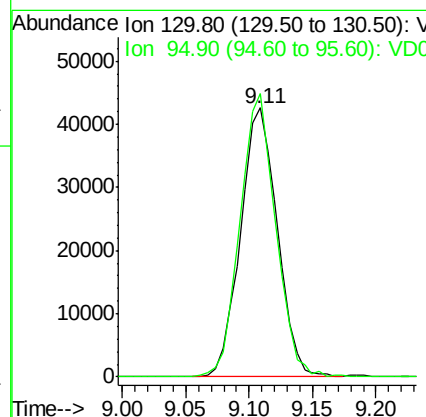
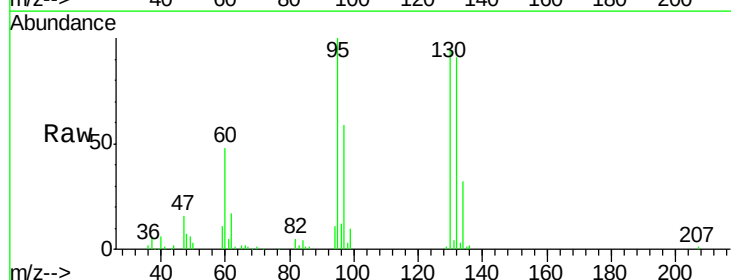
RT: 9.11 min Scan# 1222

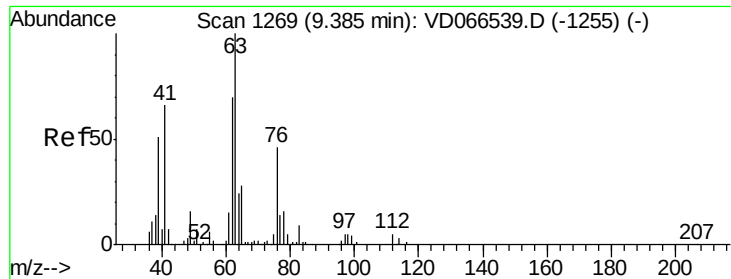
Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion:	130	Resp:	85755
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	194.4





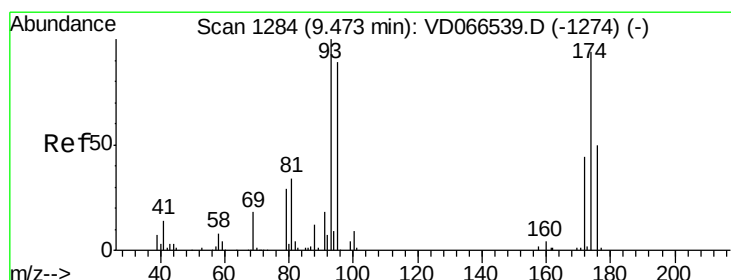
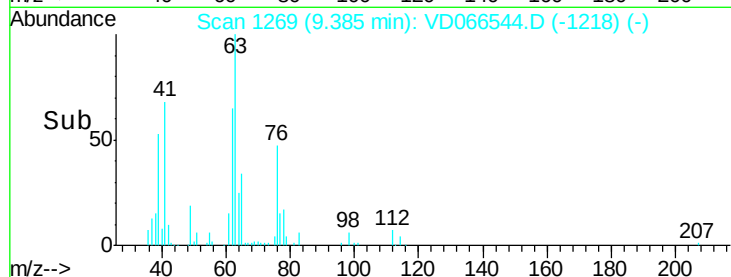
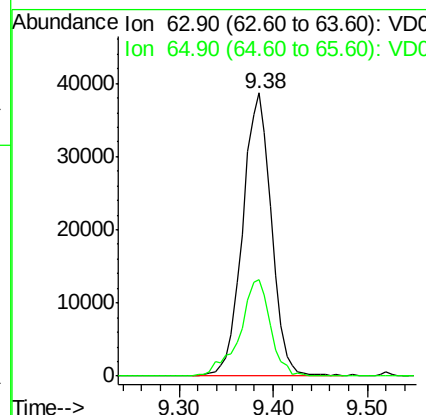
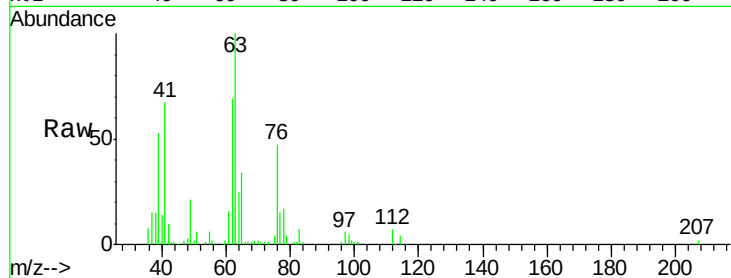
#45
 1,2-Dichloropropane
 Concen: 20.303 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion: 63 Resp: 81846
 Ion Ratio Lower Upper
 63 100
 65 33.9 22.6 34.0

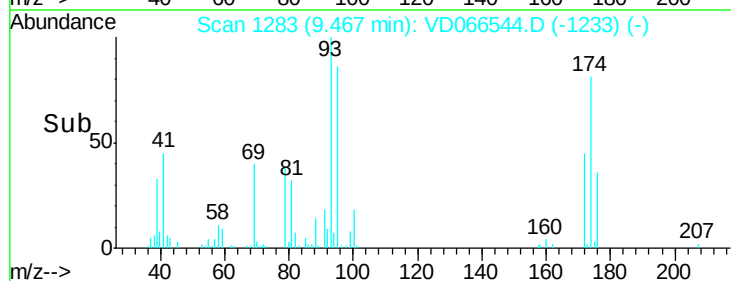
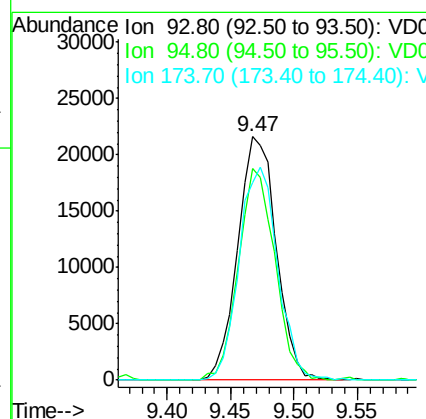
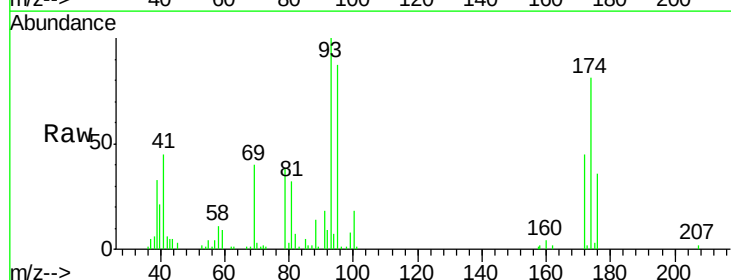
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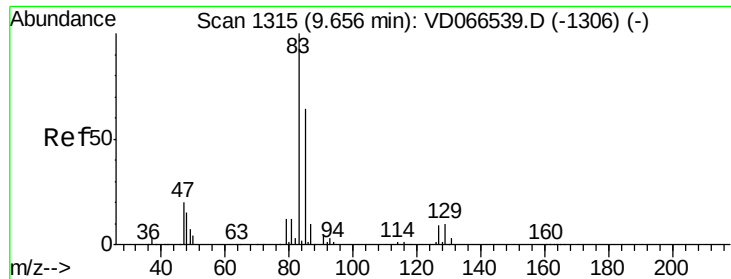
MMDadoda
 9/4/2020 4:55:03 PM



#46
 Dibromomethane
 Concen: 20.470 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion: 93 Resp: 45527
 Ion Ratio Lower Upper
 93 100
 95 82.5 68.7 103.1
 174 87.6 70.0 105.0





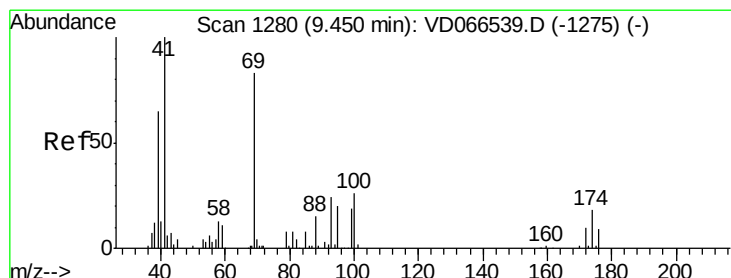
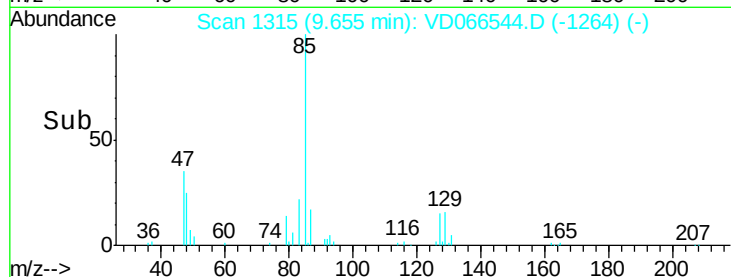
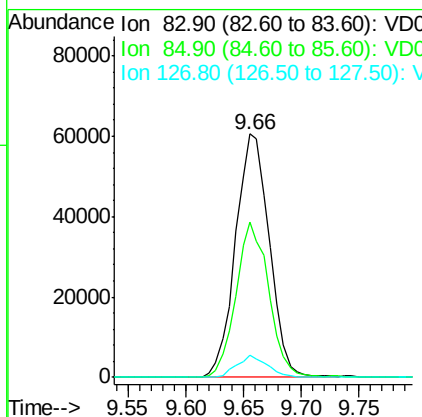
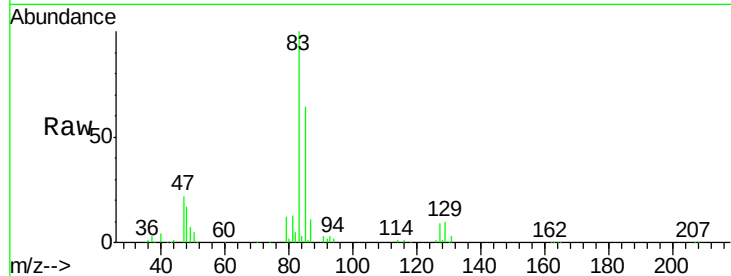
#47
Bromodichloromethane
Concen: 20.485 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	51.1	76.7	
127	9.2	6.9	10.3	

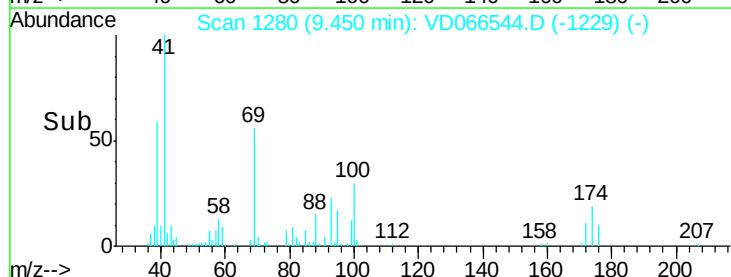
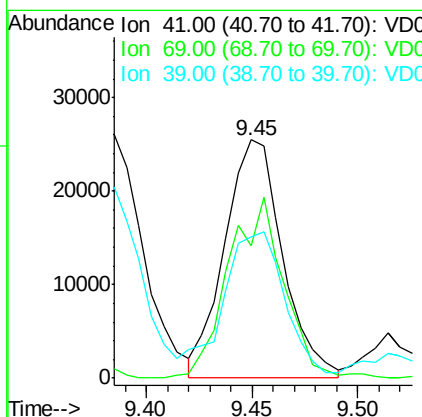
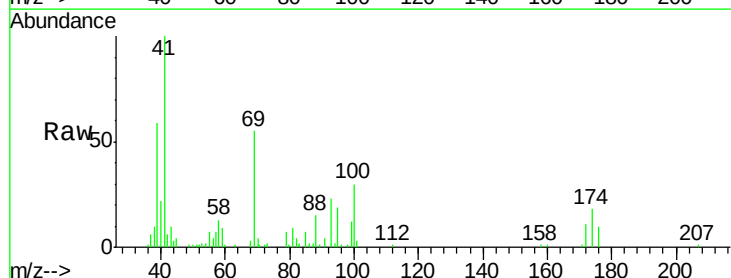
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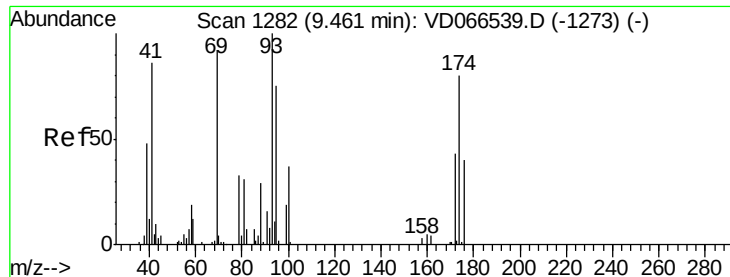
MMDadoda
9/4/2020 4:55:03 PM



#48
Methyl methacrylate
Concen: 21.526 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	72.6	64.5	96.7	
39	65.0	46.6	69.8	





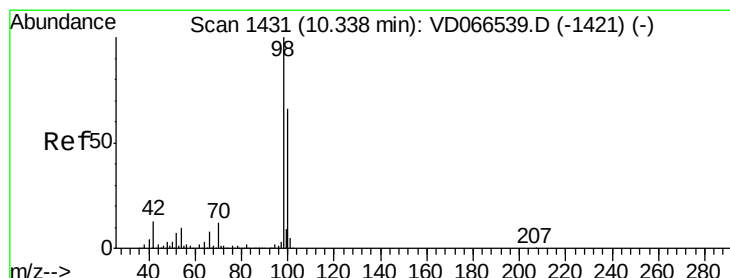
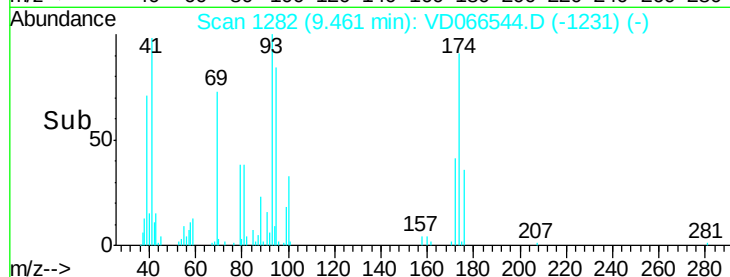
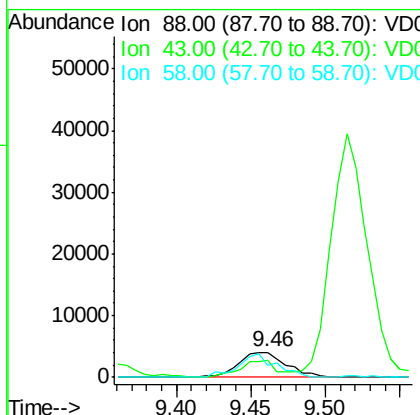
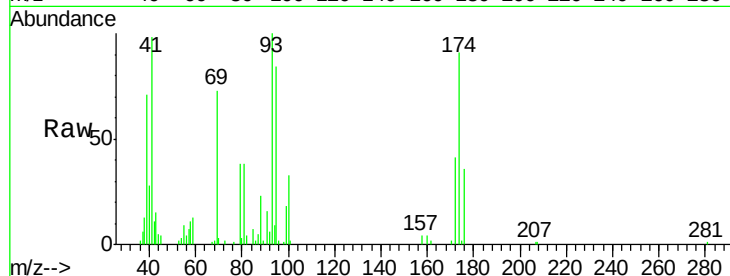
#49
1,4-Dioxane
Concen: 362.048 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	88	Resp	8834
Ion	Ratio	Lower	Upper
88	100		
43	49.8	28.3	42.5#
58	75.2	56.1	84.1

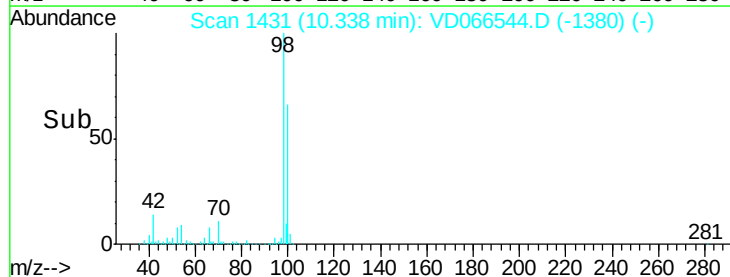
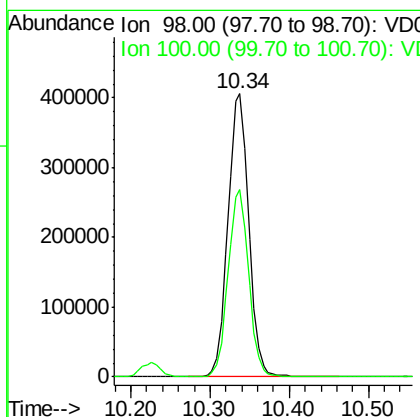
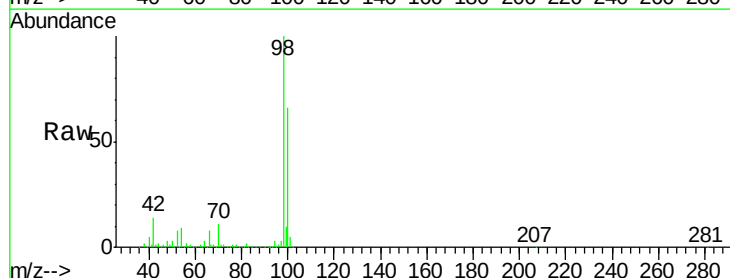
Manual Integrations
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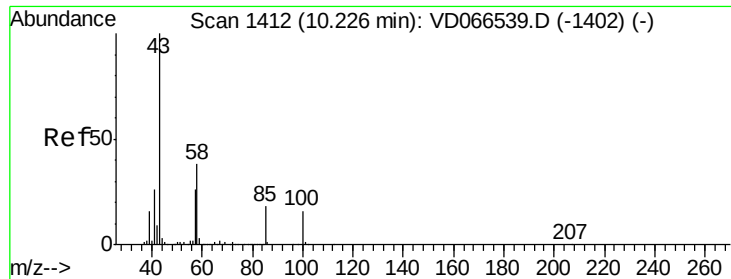
MMDadoda
9/4/2020 4:55:03 PM



#50
Toluene-d8
Concen: 54.179 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	98	Resp	734701
Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.9	79.3





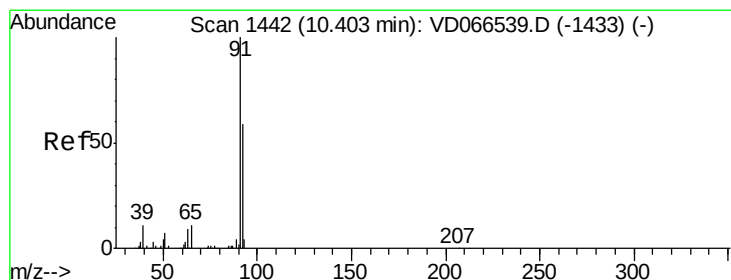
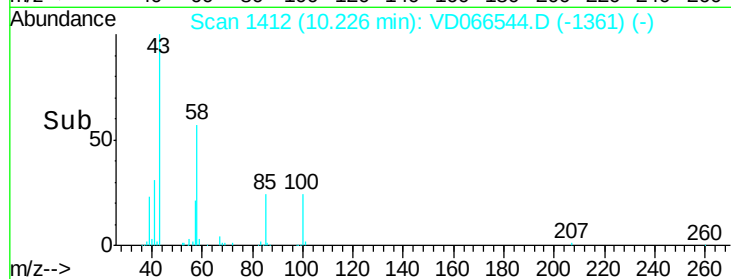
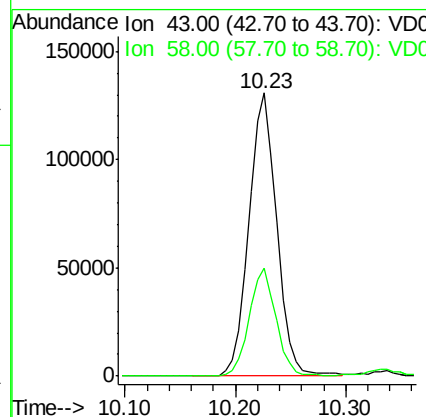
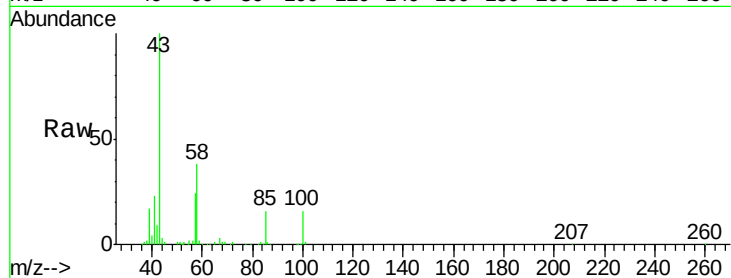
#51
4-Methyl-2-Pentanone
Concen: 102.991 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.5	45.7

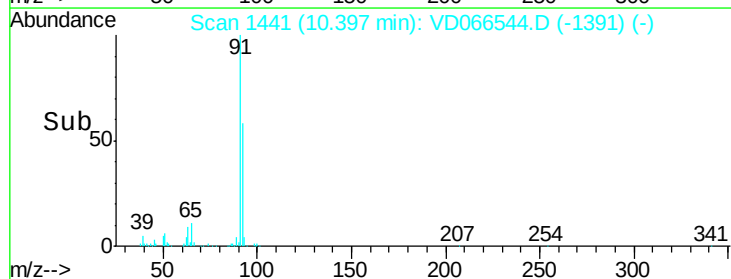
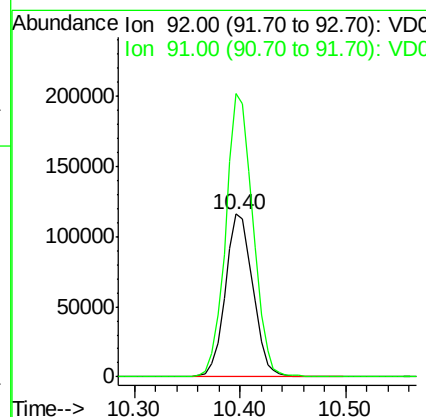
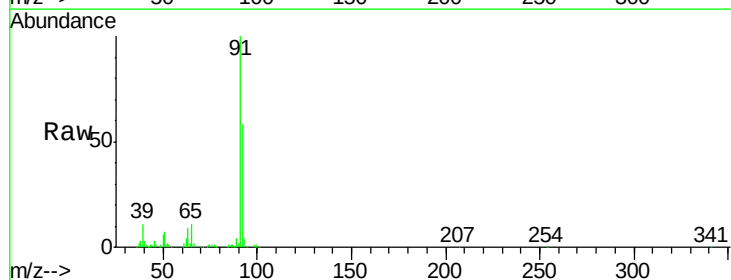
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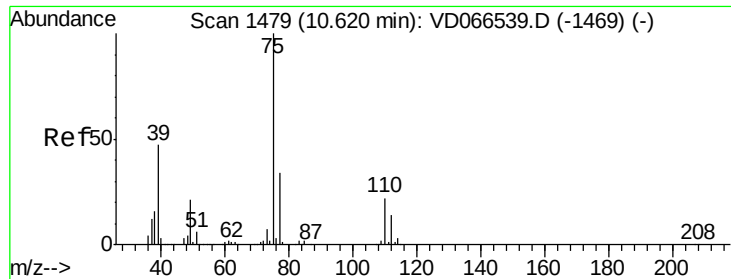
MMDadoda
9/4/2020 4:55:03 PM



#52
Toluene
Concen: 20.673 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.4	206.2





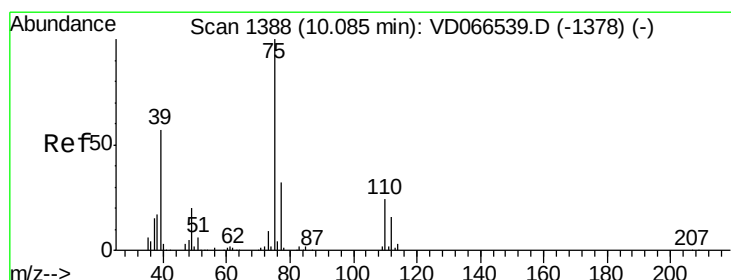
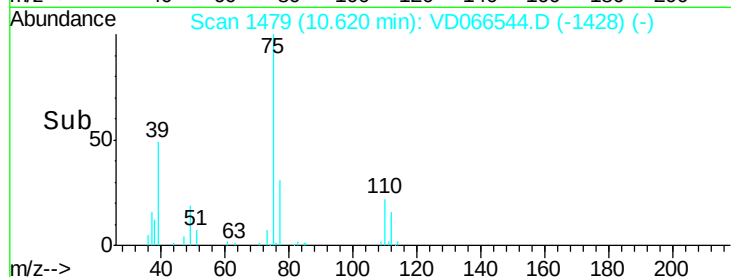
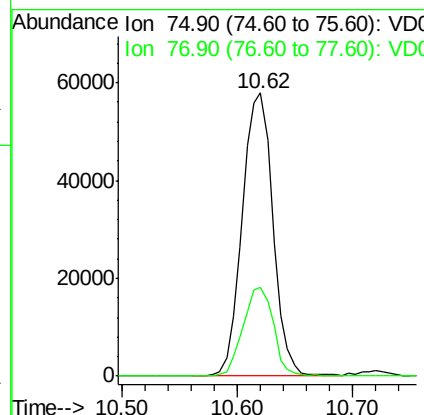
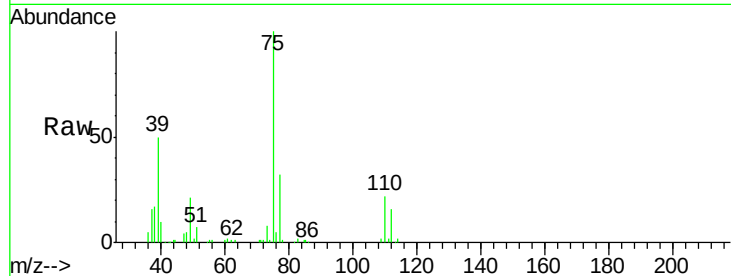
#53
 t-1,3-Dichloropropene
 Concen: 20.120 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	27.4	41.2

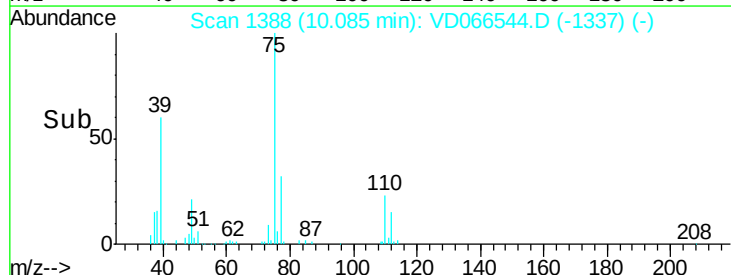
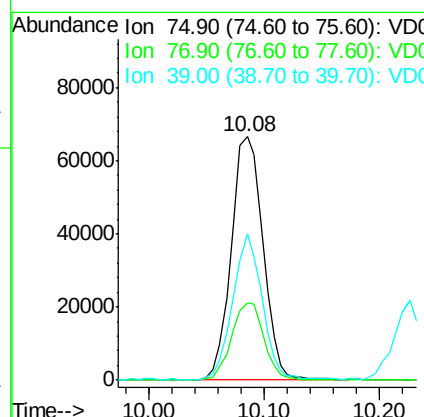
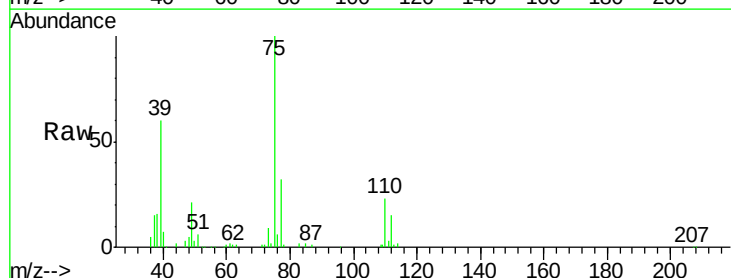
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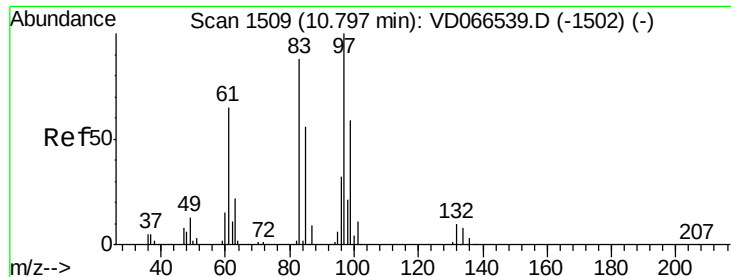
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.947 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	60.1	45.4	68.0





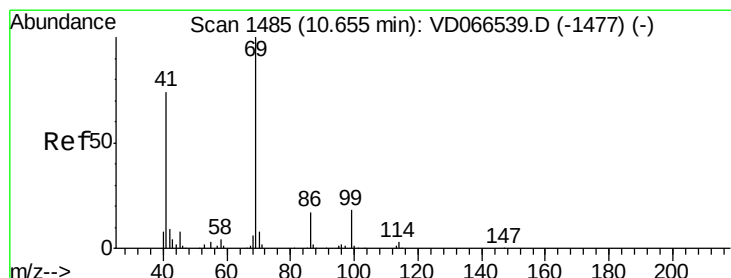
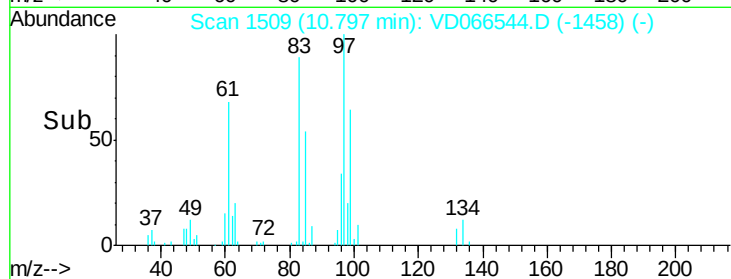
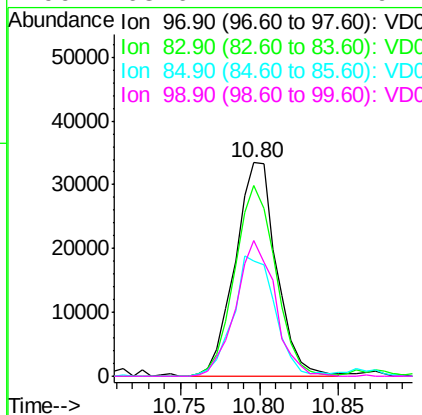
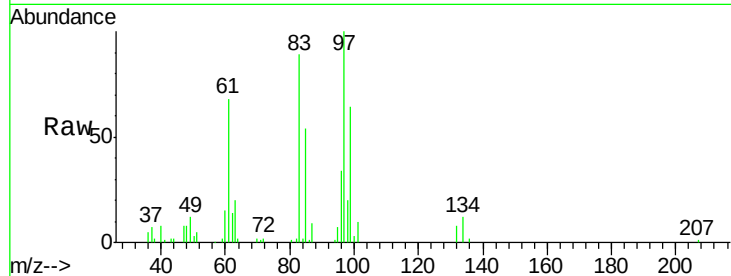
#55
 1,1,2-Trichloroethane
 Concen: 21.311 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion:	97	Resp:	60941
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.1	105.1
85	54.1	44.5	66.7
99	63.6	47.1	70.7

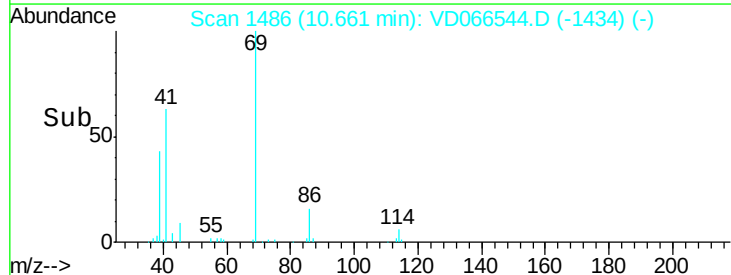
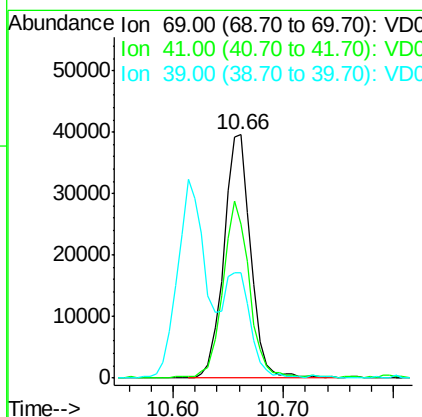
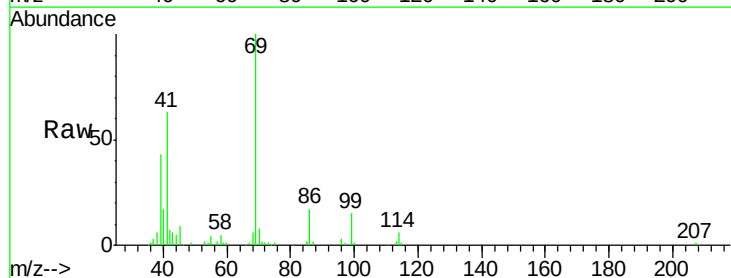
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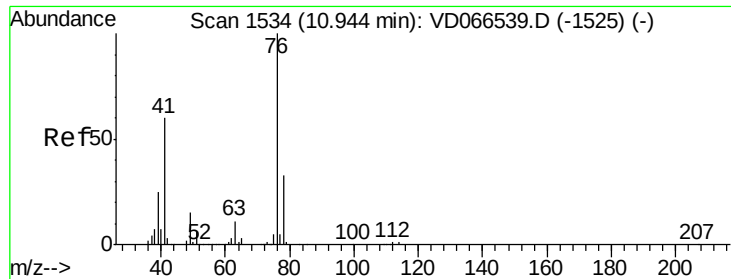
MMDadoda
 9/4/2020 4:55:03 PM



#56
 Ethyl methacrylate
 Concen: 20.172 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion:	69	Resp:	67164
Ion	Ratio	Lower	Upper
69	100		
41	72.9	56.8	85.2
39	45.3	30.6	46.0





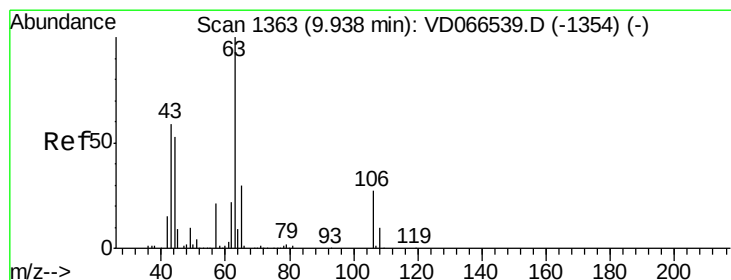
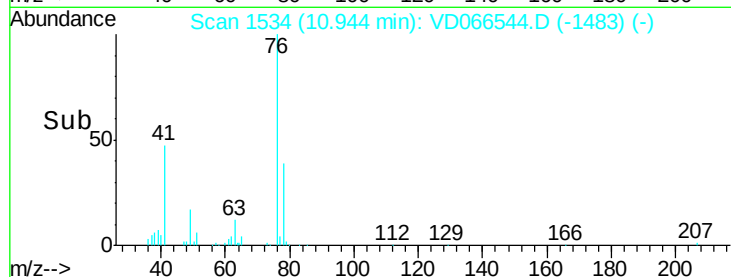
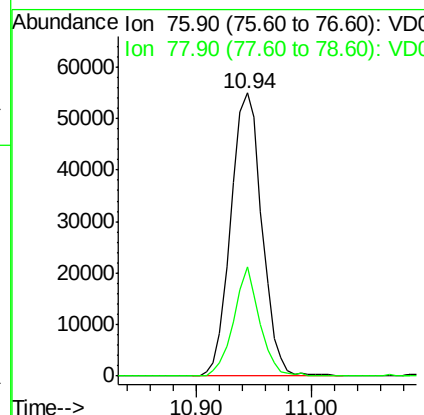
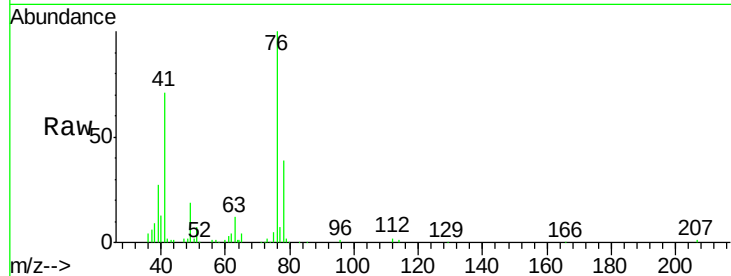
#57
 1,3-Dichloropropane
 Concen: 20.502 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion: 76 Resp: 102692
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

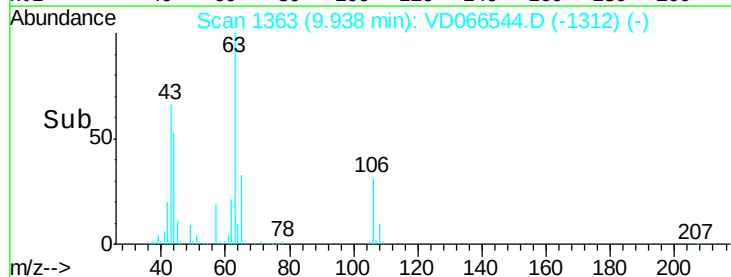
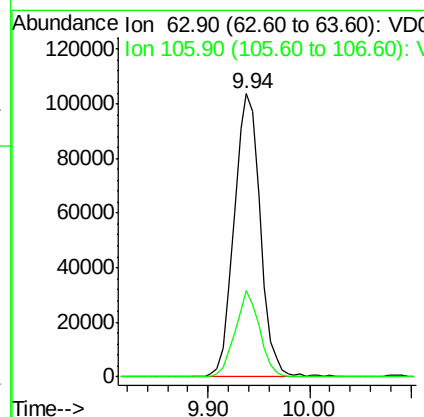
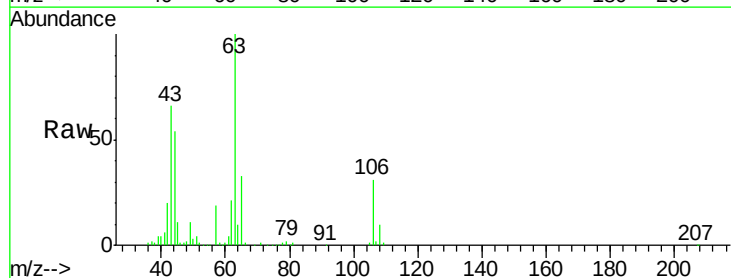
Manual Integrations
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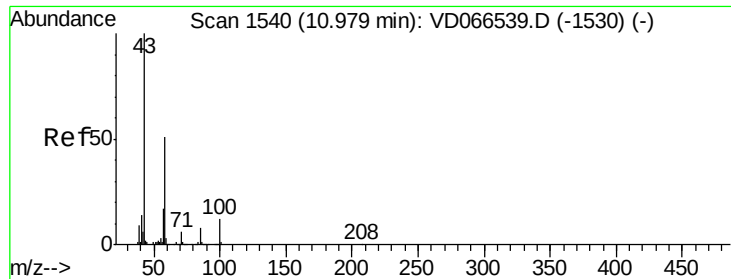
MMDadoda
 9/4/2020 4:55:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.679 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion: 63 Resp: 185309
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.0 33.0





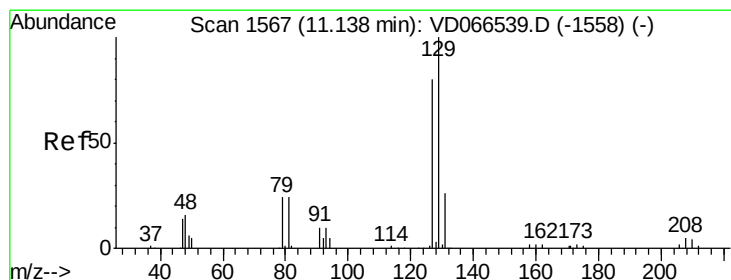
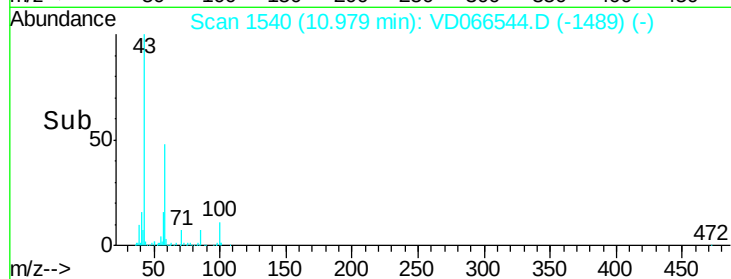
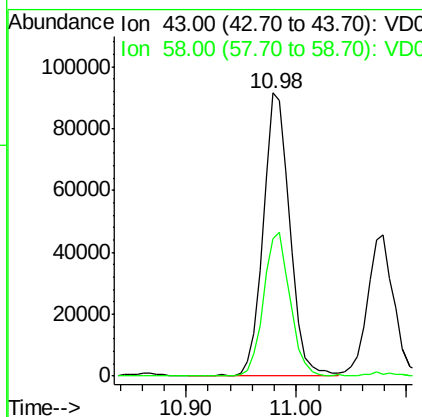
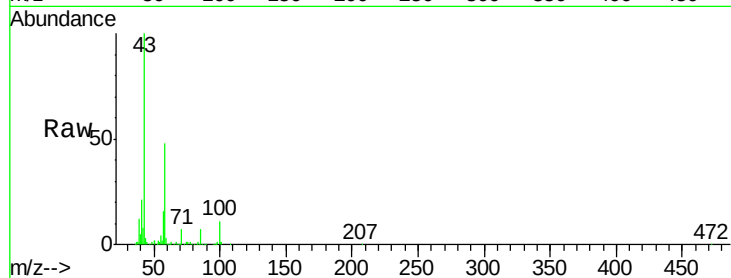
#59
2-Hexanone
Concen: 102.144 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion: 43 Resp: 154727
Ion Ratio Lower Upper
43 100
58 50.9 25.6 76.8

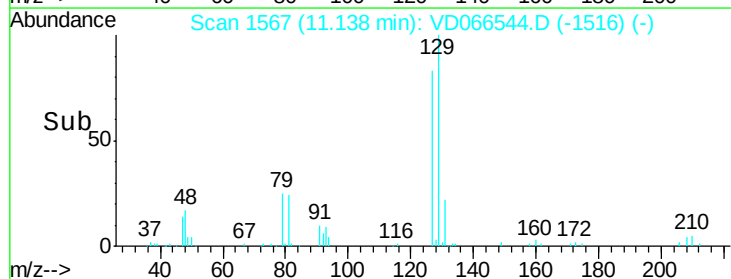
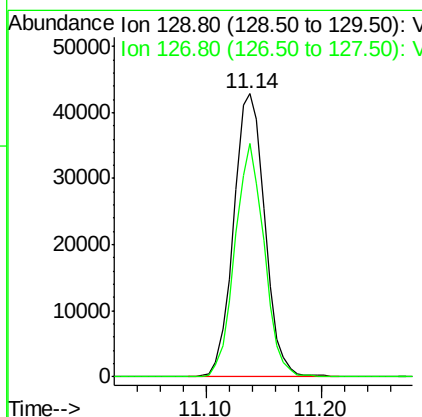
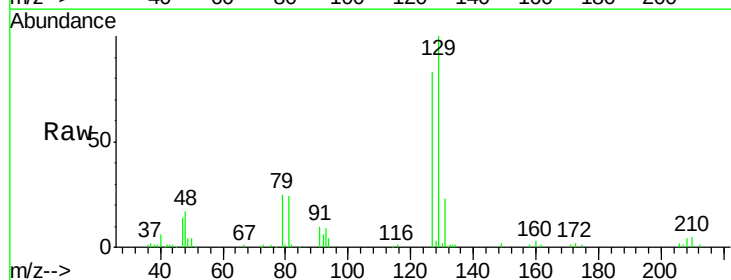
Manual Integrations
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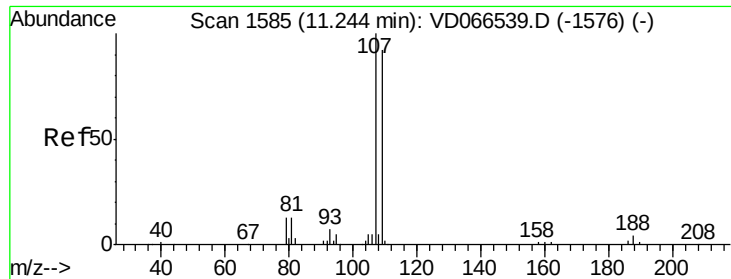
MMDadoda
9/4/2020 4:55:03 PM



#60
Dibromochloromethane
Concen: 21.117 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion: 129 Resp: 79853
Ion Ratio Lower Upper
129 100
127 77.7 39.5 118.3





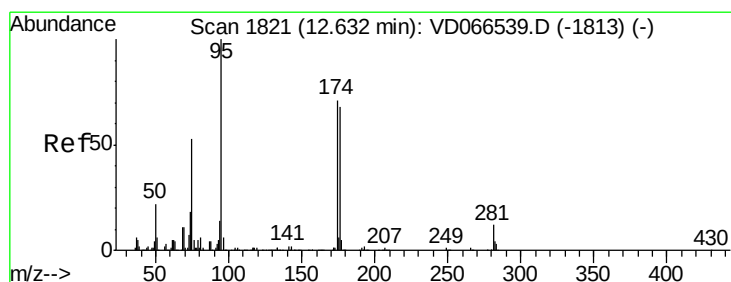
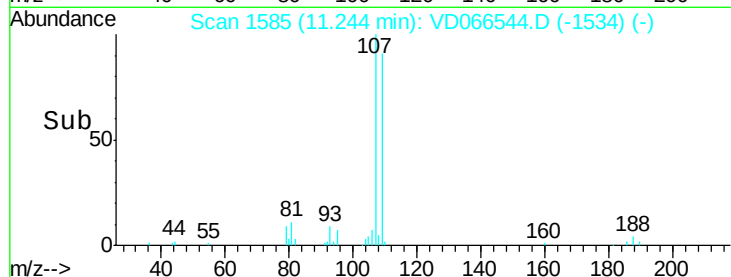
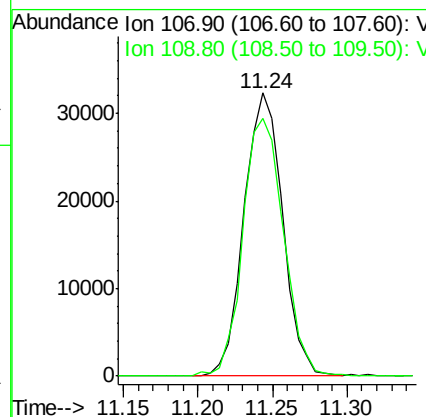
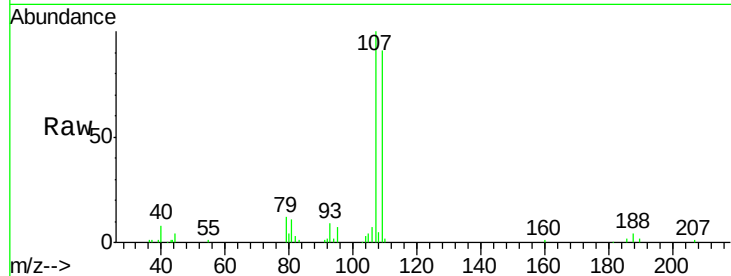
#61
 1,2-Dibromoethane
 Concen: 20.856 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion:107 Resp: 58024
 Ion Ratio Lower Upper
 107 100
 109 95.7 74.4 111.6

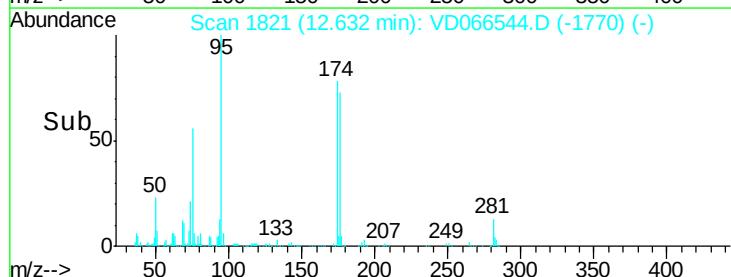
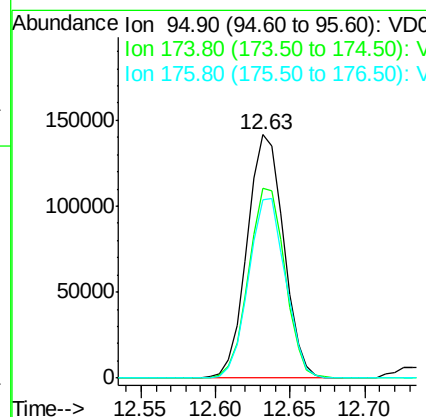
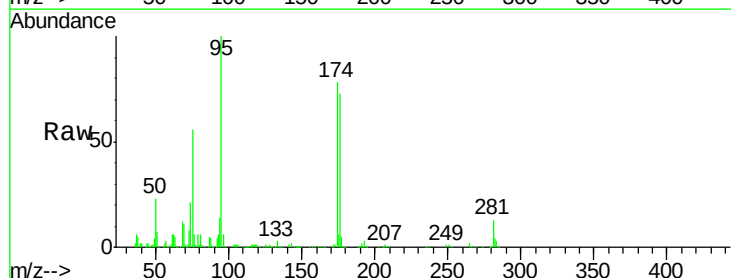
Manual Integrations
 APPROVED

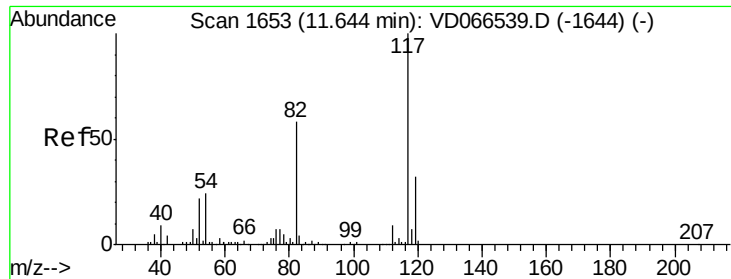
MMDadoda
 9/4/2020 4:55:03 PM



#62
 4-Bromofluorobenzene
 Concen: 53.252 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion: 95 Resp: 239452
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 155.8
 176 74.3 0.0 148.6





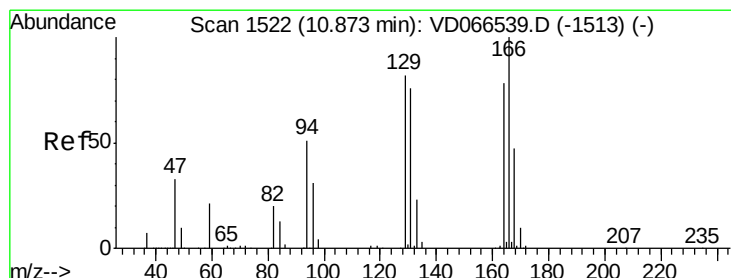
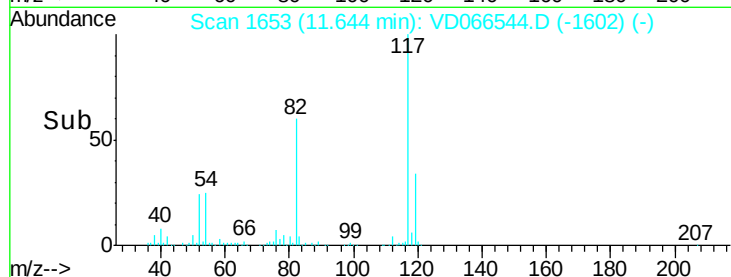
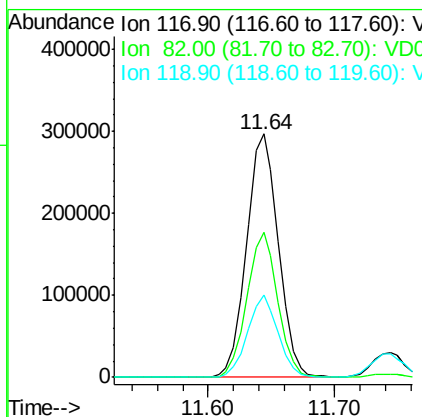
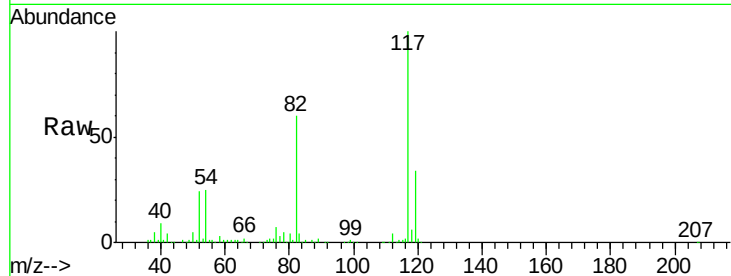
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	517125		
82	59.6	46.2	69.2	
119	34.0	25.8	38.8	

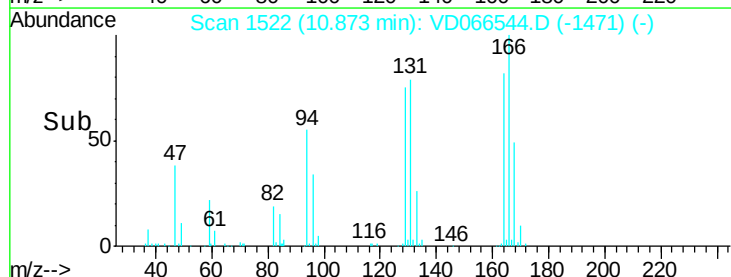
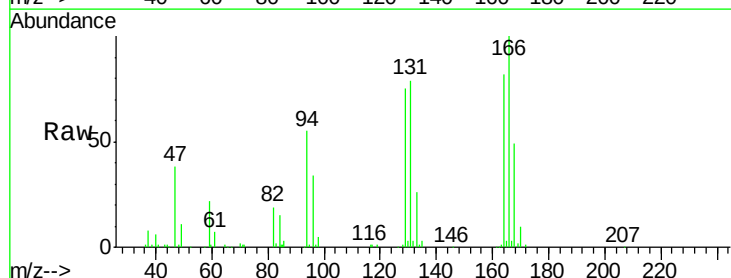
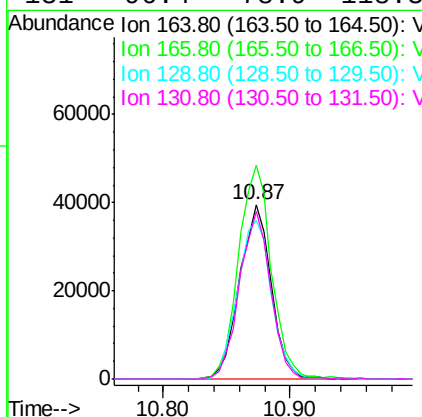
Manual Integrations
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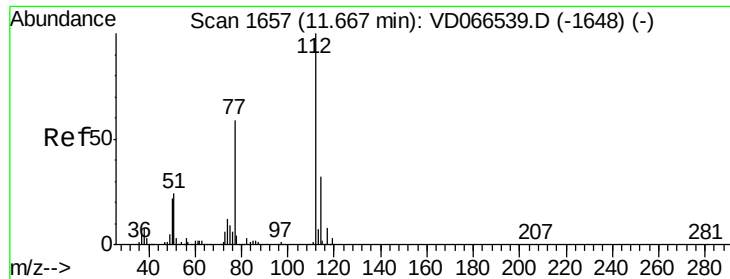
MMDadoda
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#64
Tetrachloroethene
Concen: 19.708 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68620		
166	122.6	103.2	154.8	
129	91.4	84.5	126.7	
131	96.4	78.9	118.3	





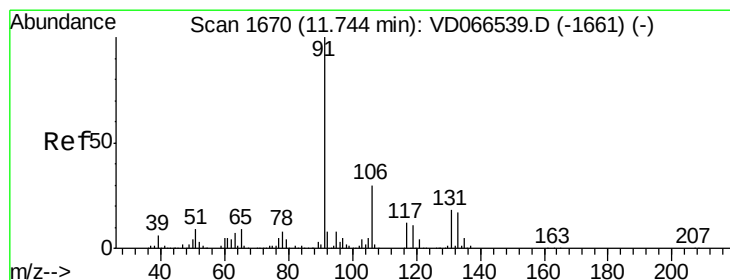
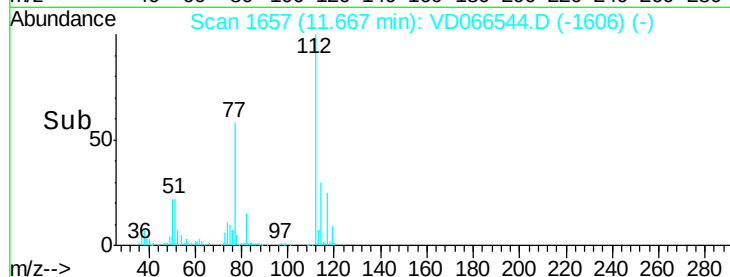
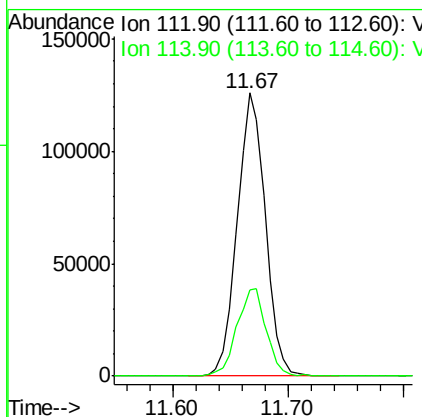
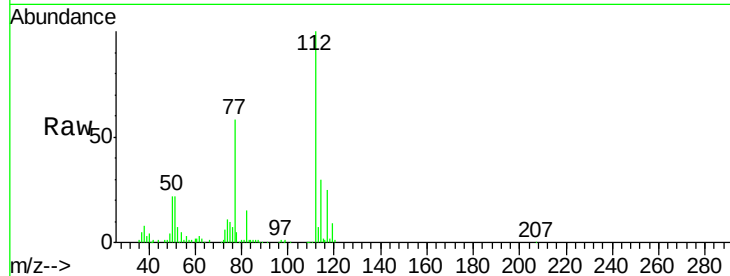
#65
Chlorobenzene
Concen: 19.866 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.7	38.5

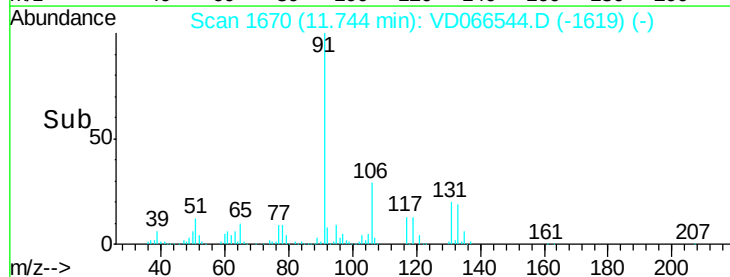
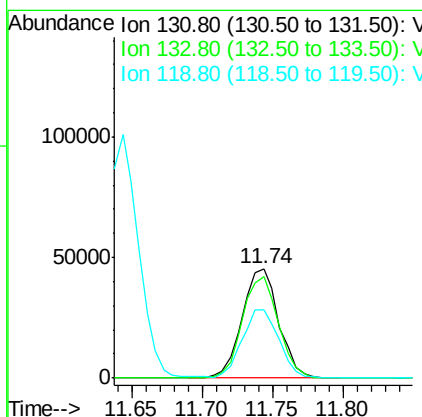
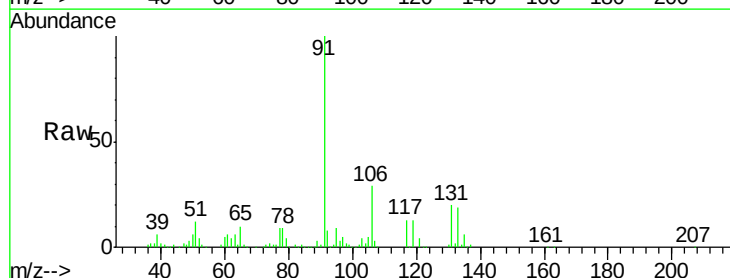
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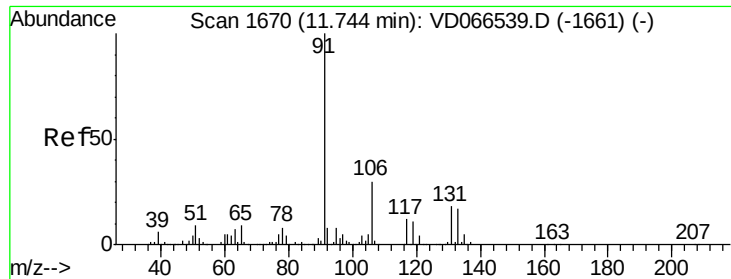
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.194 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.2	46.7	140.0
119	63.1	31.9	95.7





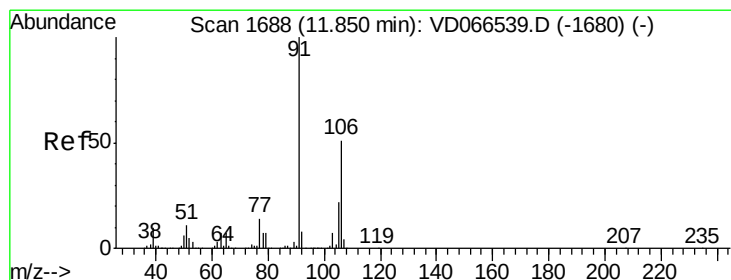
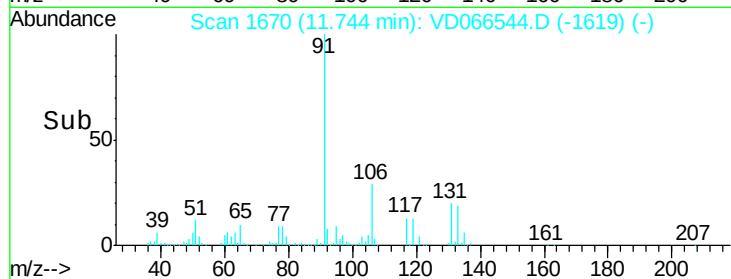
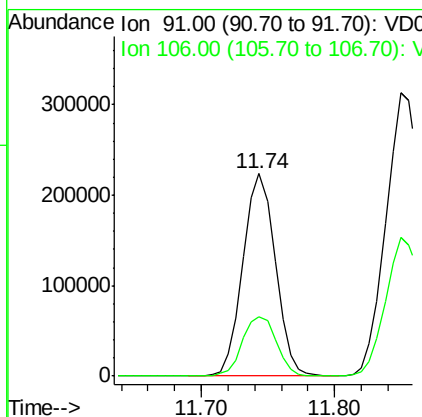
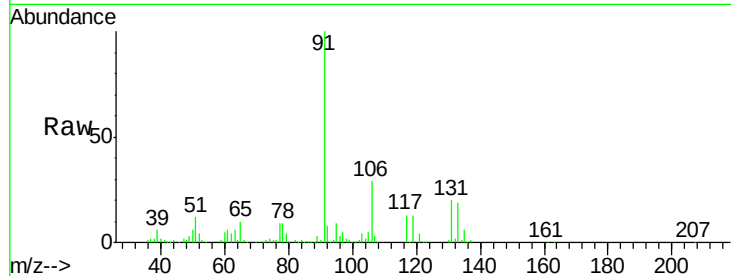
#67
Ethyl Benzene
Concen: 19.223 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

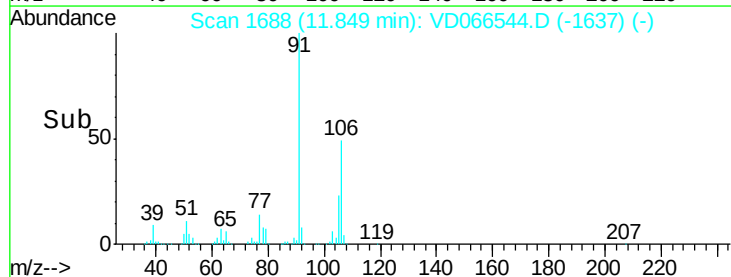
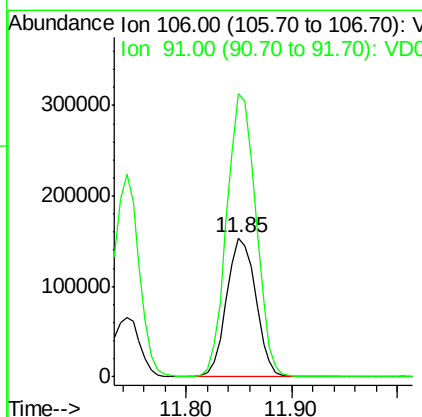
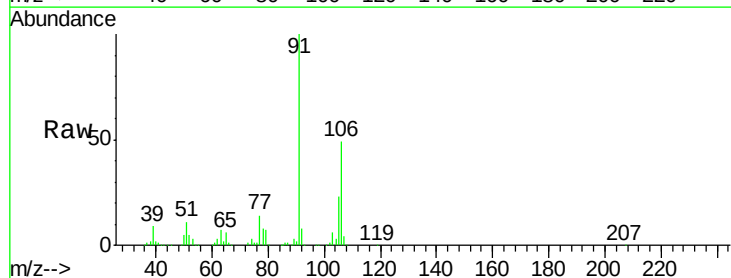
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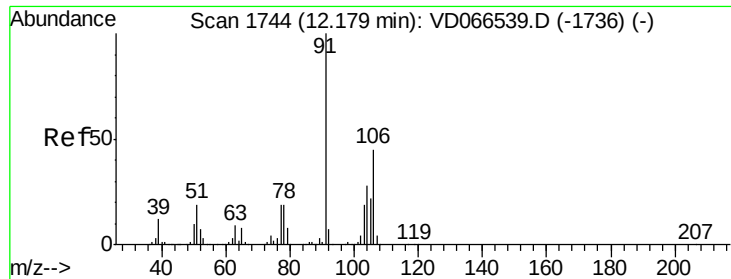
MMDadoda
9/4/2020 4:55:03 PM



#68
m/p-Xylenes
Concen: 40.427 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.1	162.4	243.6





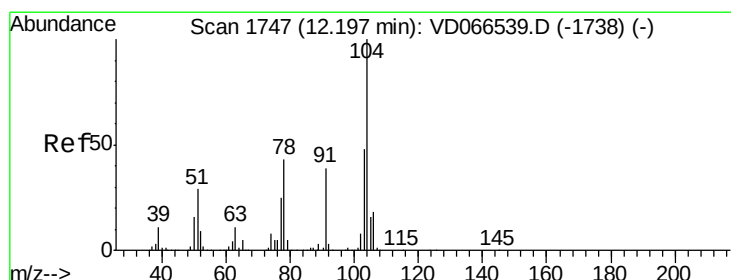
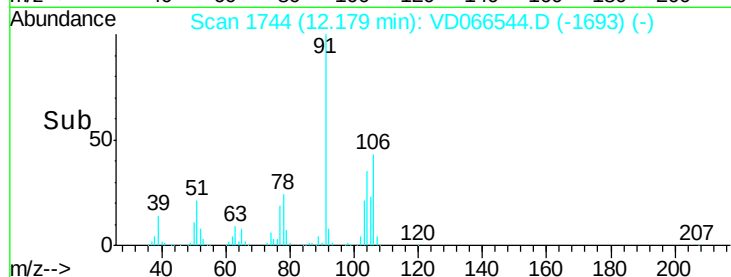
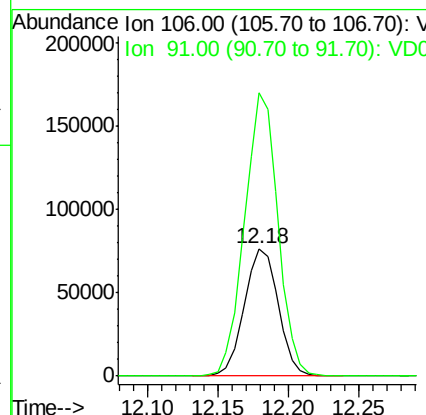
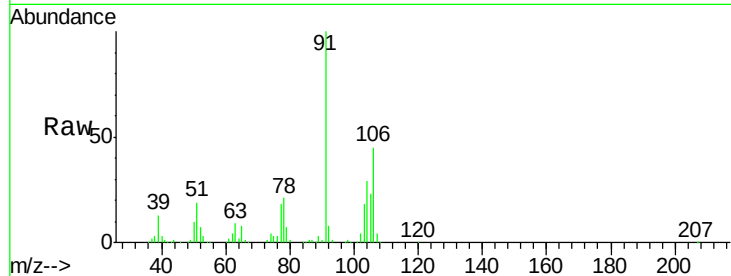
#69
o-Xylene
Concen: 19.785 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	129025		
91	218.3	107.9	323.8	

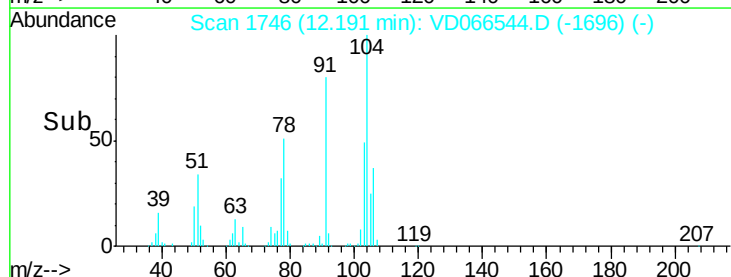
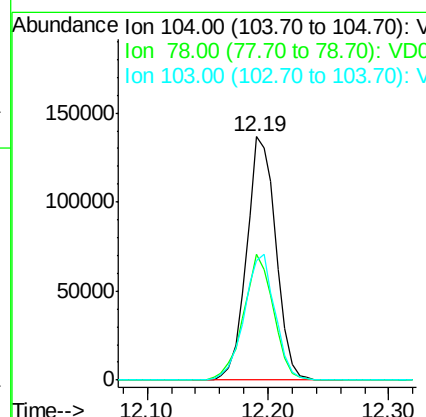
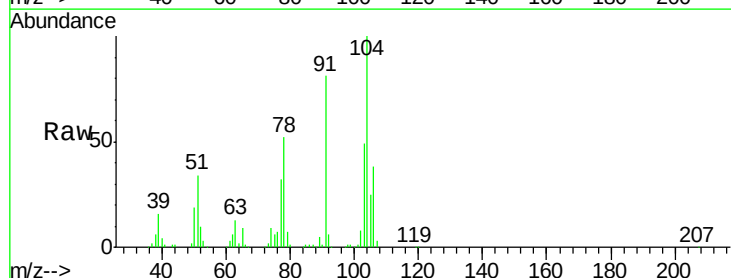
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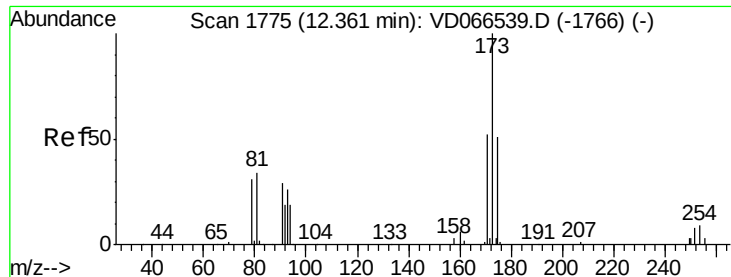
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#70
Styrene
Concen: 20.363 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	230867		
78	53.1	40.7	61.1	
103	54.4	42.9	64.3	





#71

Bromoform

Concen: 19.948 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion:173 Resp: 40950

Ion Ratio Lower Upper

173 100

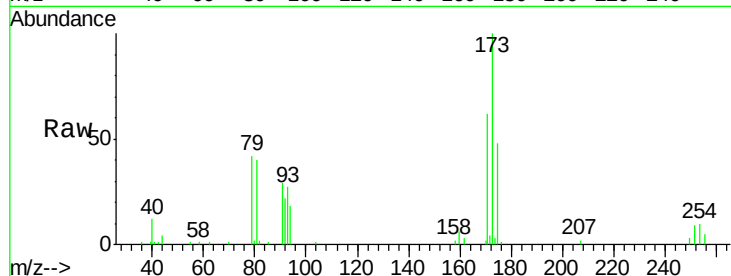
175 48.7 24.2 72.6

254 0.0 0.0 0.0

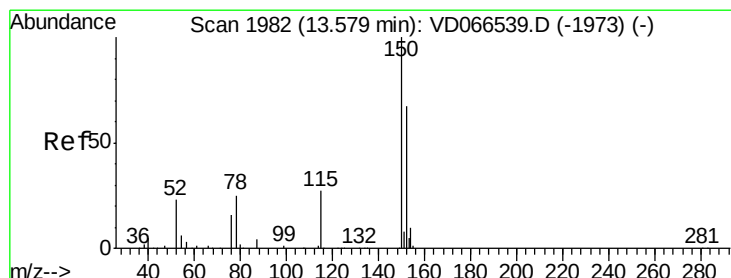
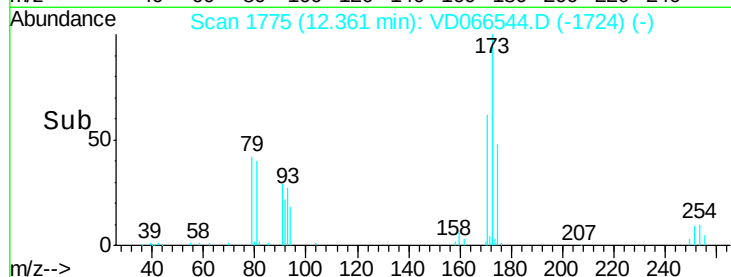
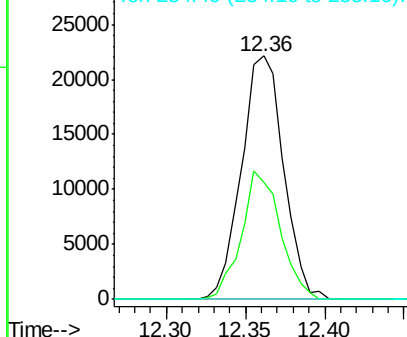
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

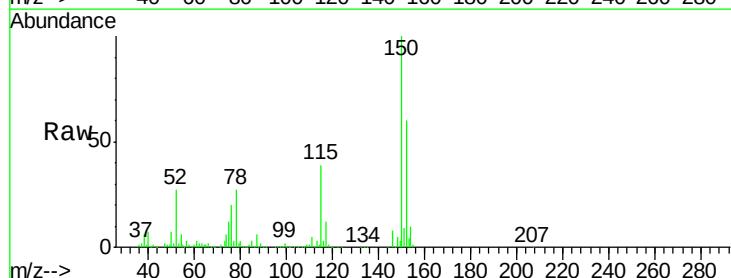
Tgt Ion:152 Resp: 239851

Ion Ratio Lower Upper

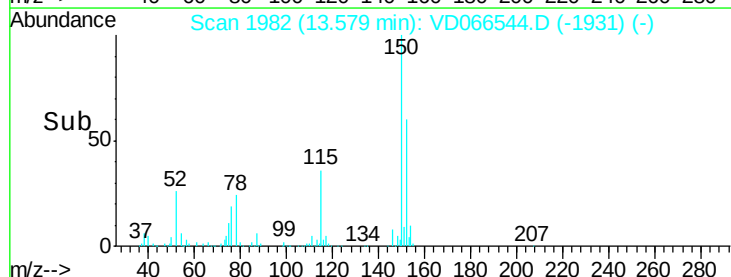
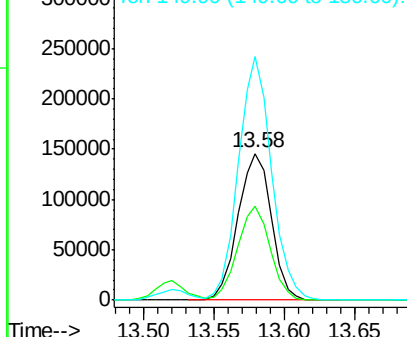
152 100

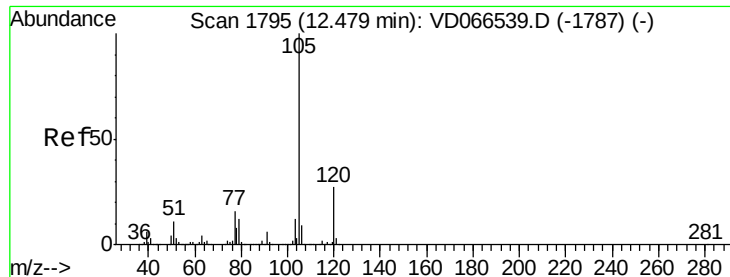
115 62.6 30.4 91.2

150 165.4 0.0 345.8



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: 19.761 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion: 105 Resp: 350923

Ion Ratio Lower Upper

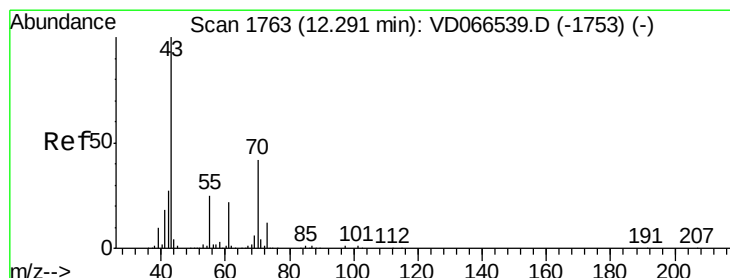
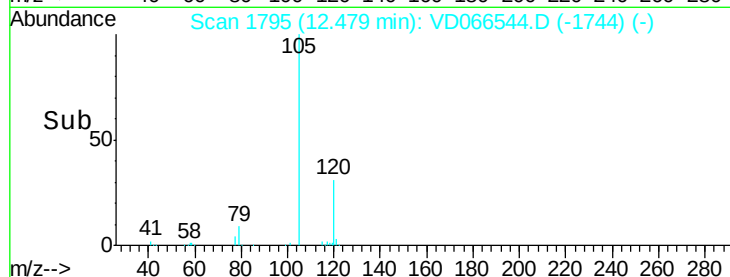
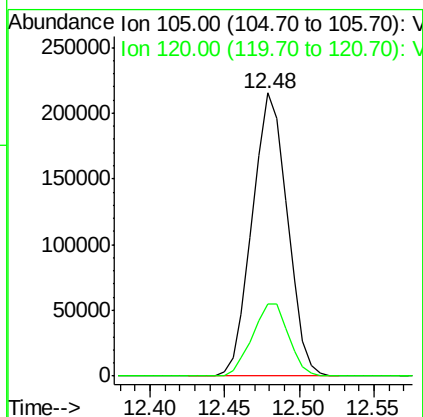
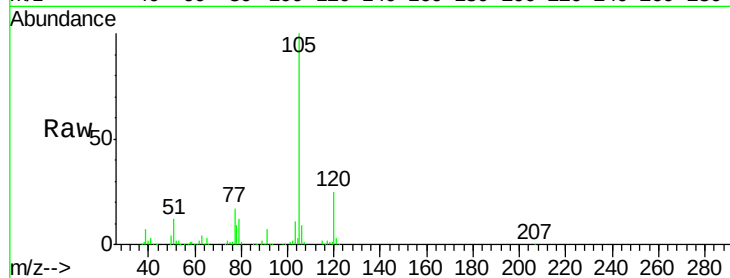
105 100

120 26.5 13.0 39.0

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#74

N-ethyl acetate

Concen: 20.686 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion: 43 Resp: 83200

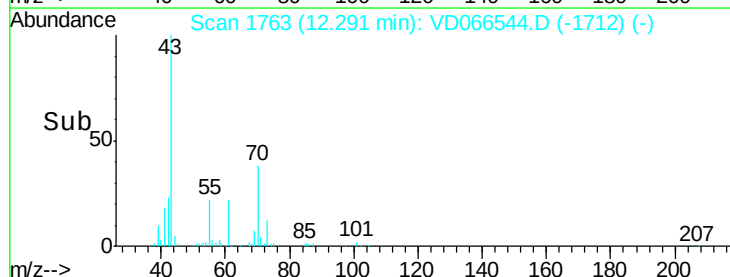
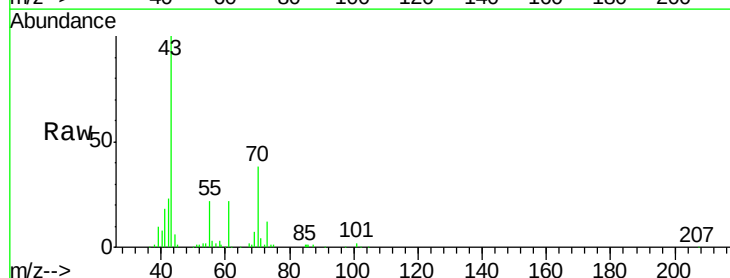
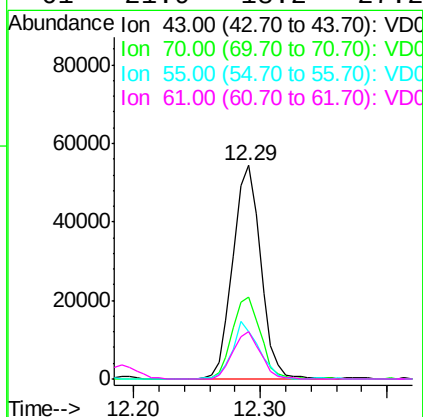
Ion Ratio Lower Upper

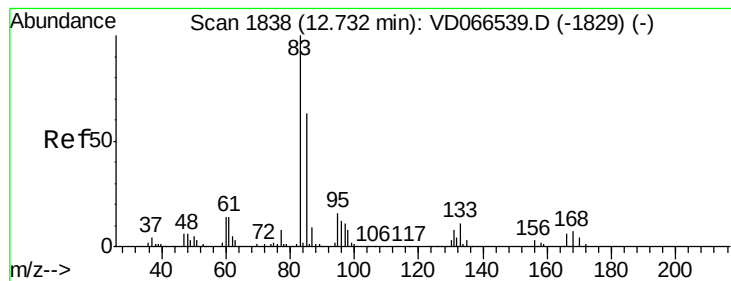
43 100

70 38.3 33.4 50.2

55 24.8 20.1 30.1

61 21.9 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.709 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

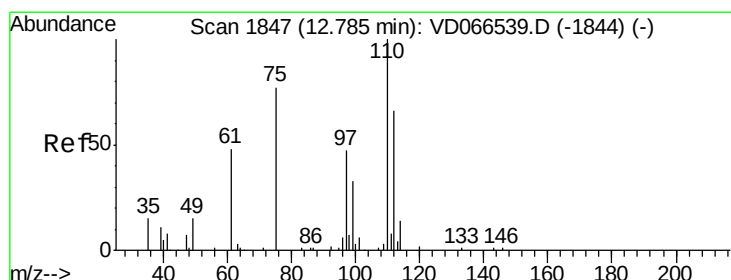
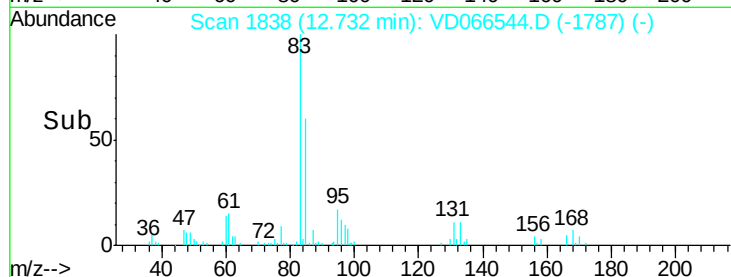
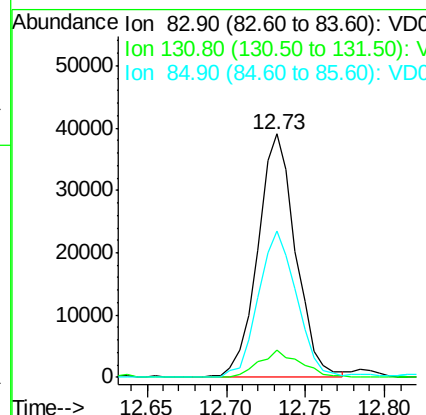
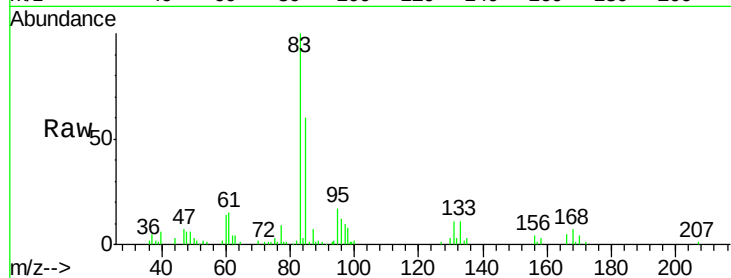
ClientSampleId :

VD0903SBS01

Tot Ion:	83	Resp:	64971
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.0	15.0
85	60.8	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 18.308 ug/l m

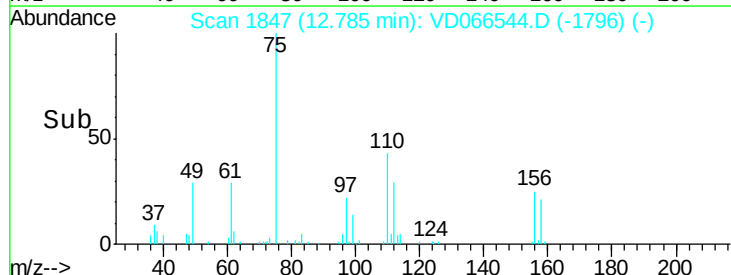
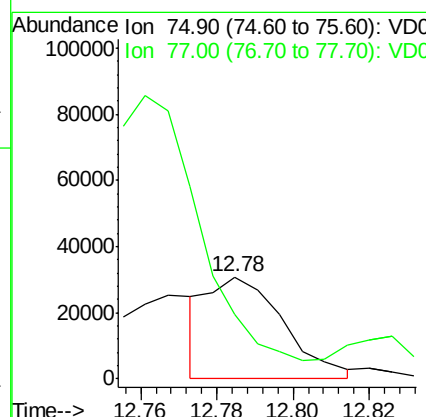
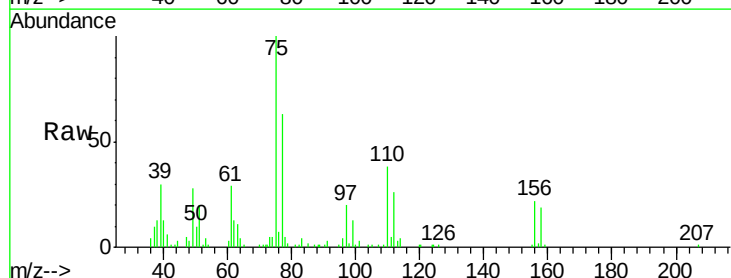
RT: 12.78 min Scan# 1847

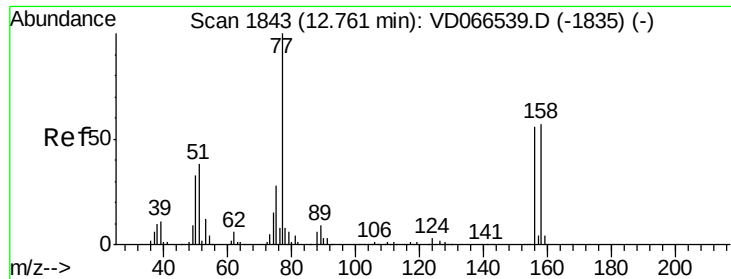
Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion:	75	Resp:	42232
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





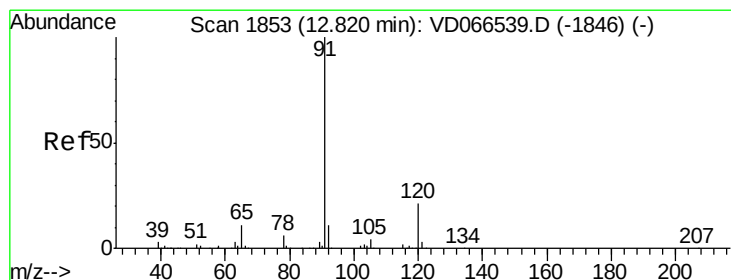
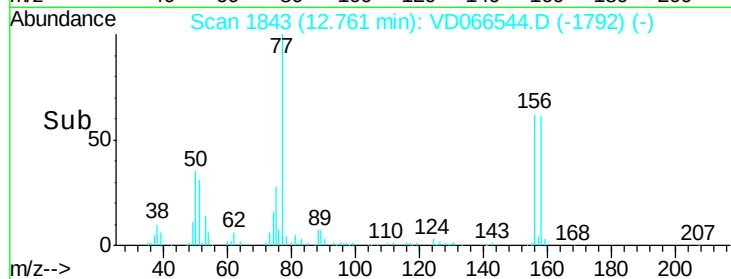
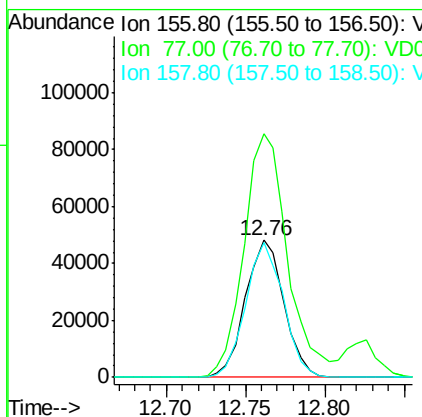
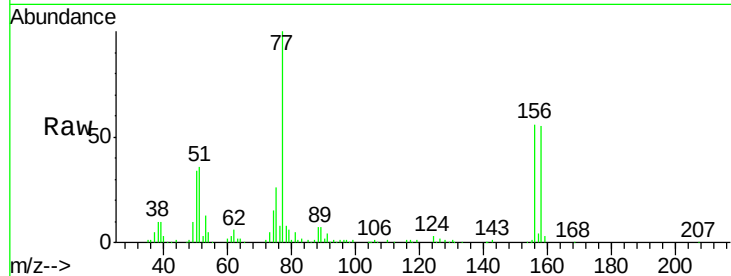
#77
Bromobenzene
Concen: 20.575 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.5	98.0	294.1
158	96.6	48.1	144.3

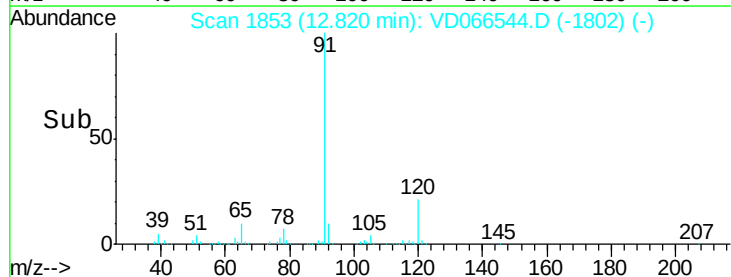
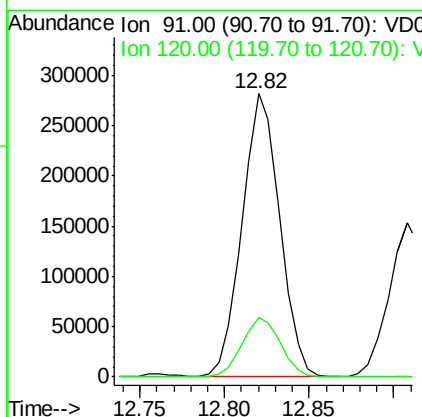
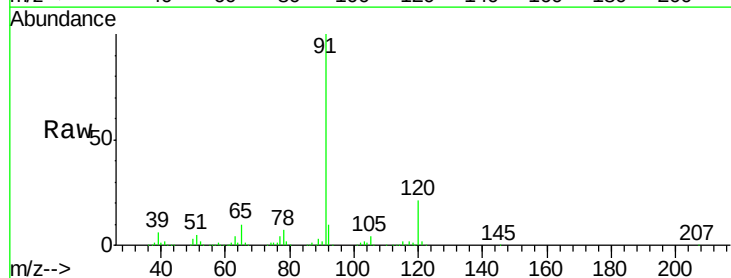
Manual Integrations
APPROVED

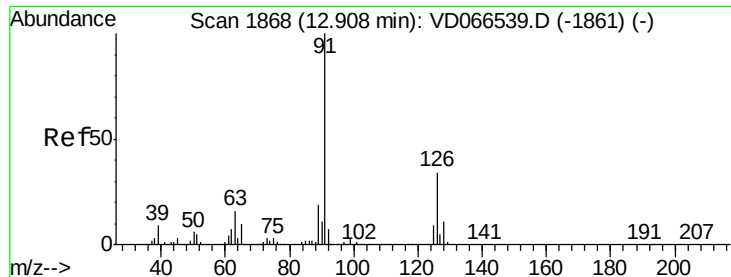
MMDadoda
9/4/2020 4:55:03 PM



#78
n-propylbenzene
Concen: 20.253 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.1	33.1





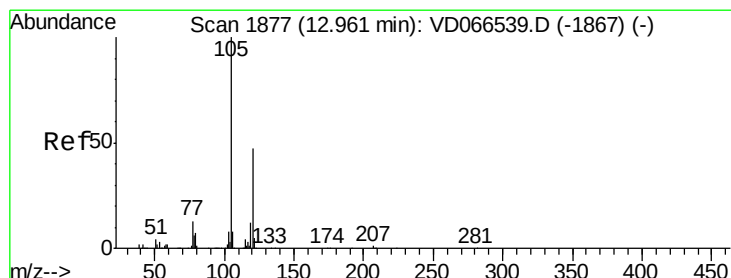
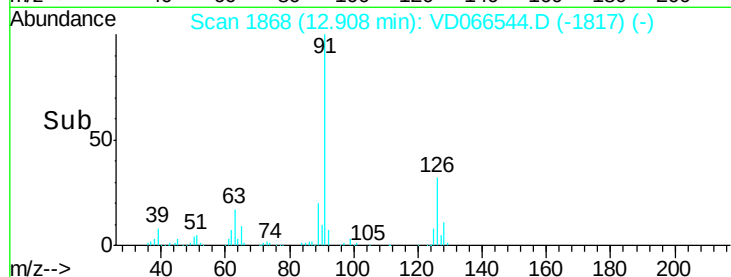
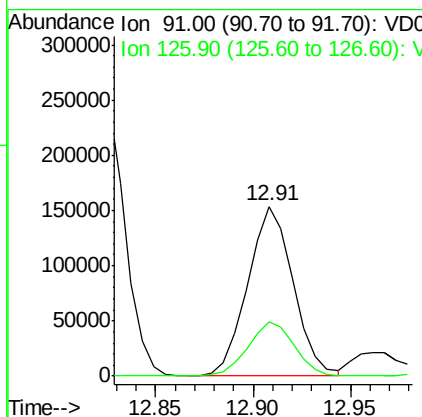
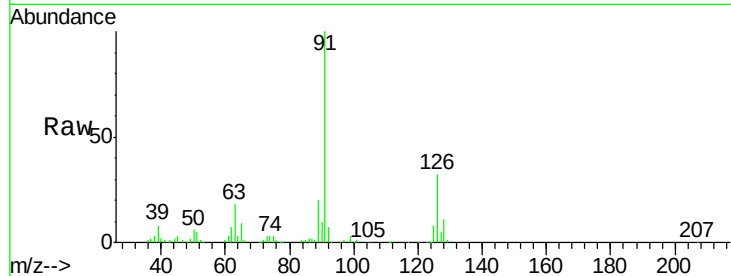
#79
 2-Chlorotoluene
 Concen: 20.422 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

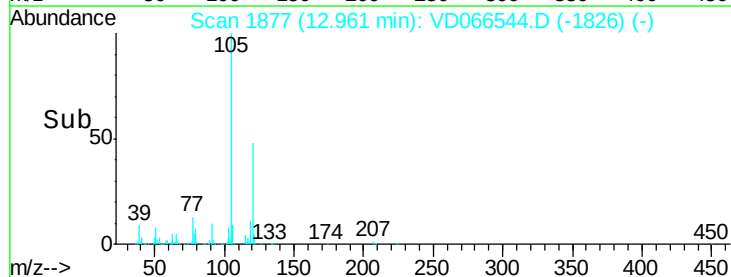
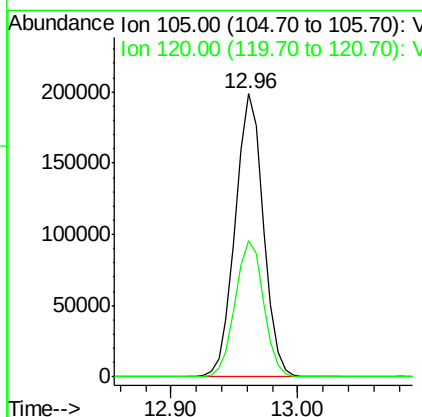
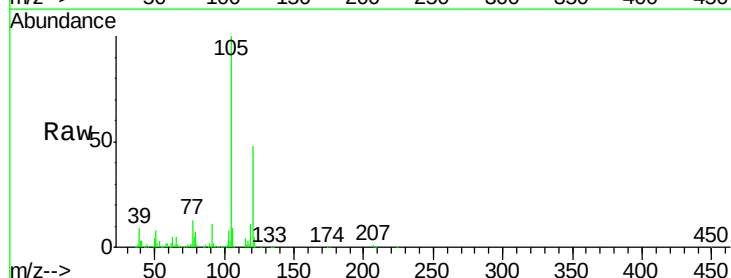
Manual Integrations
 APPROVED

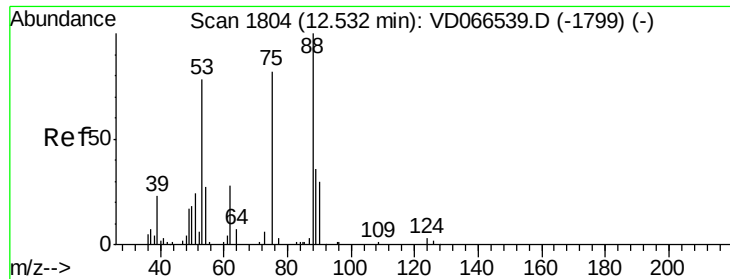
MMDadoda
 9/4/2020 4:55:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.364 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.8	23.9	71.8





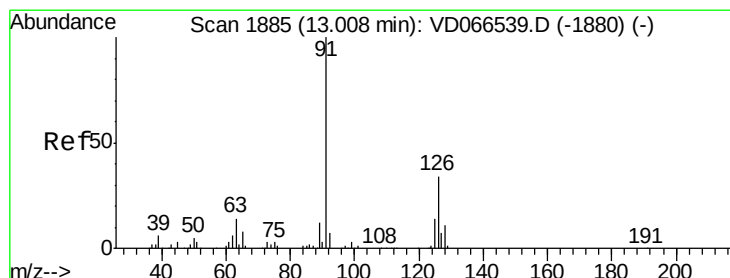
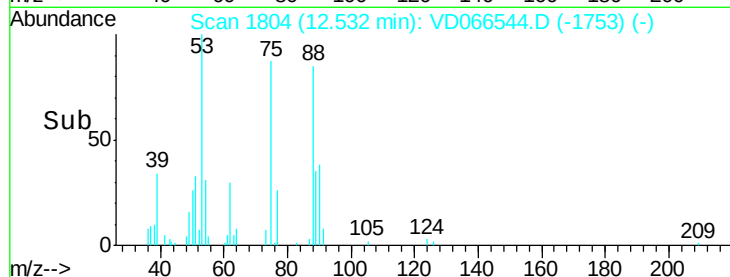
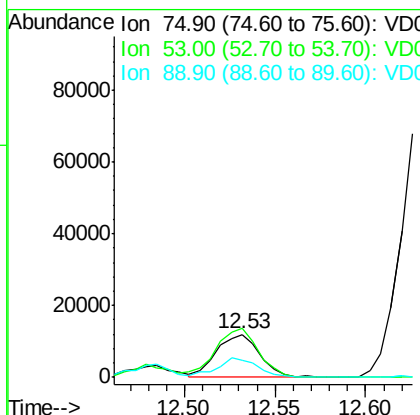
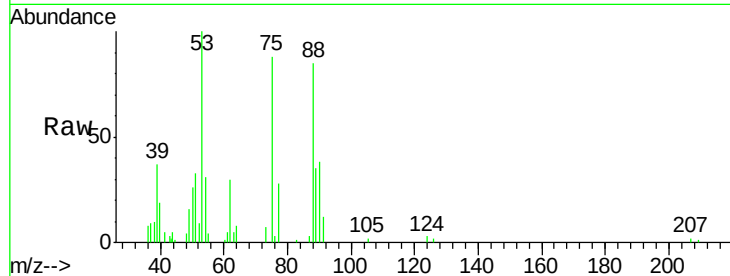
#81
trans-1,4-Dichloro-2-butene
Concen: 20.268 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.7	87.0	130.4
89	41.2	37.1	55.7

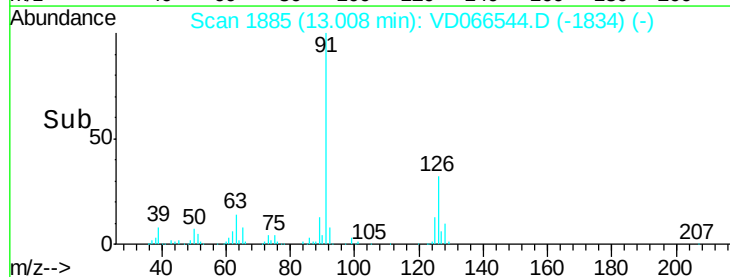
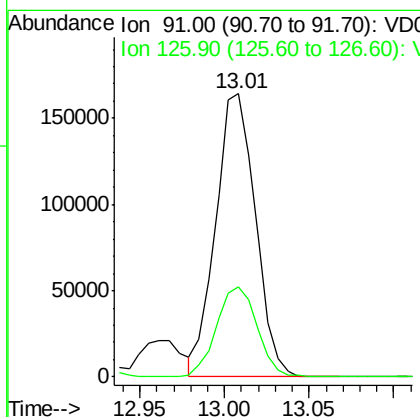
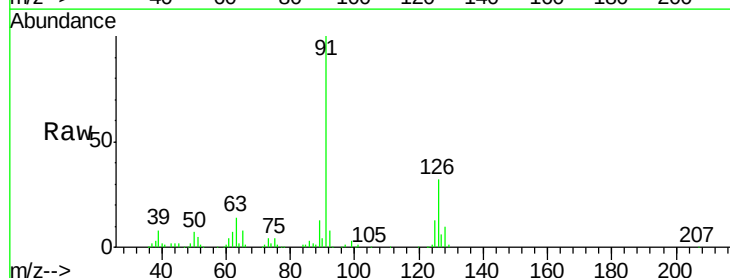
Manual Integrations
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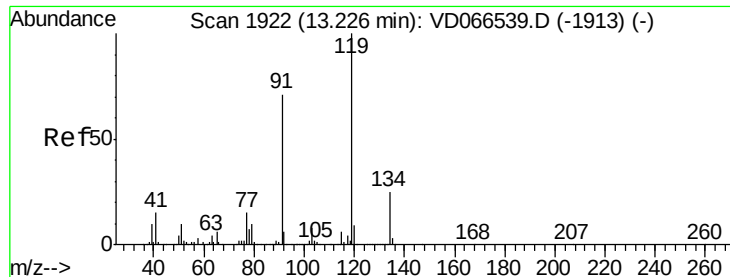
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.783 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.1





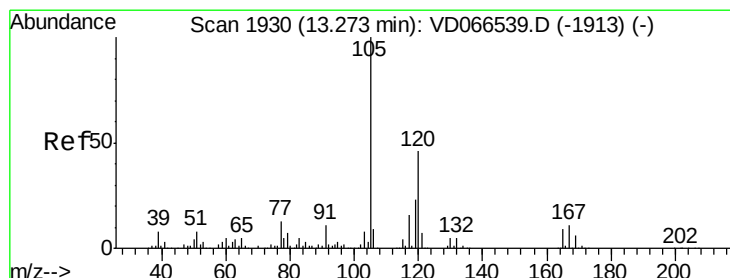
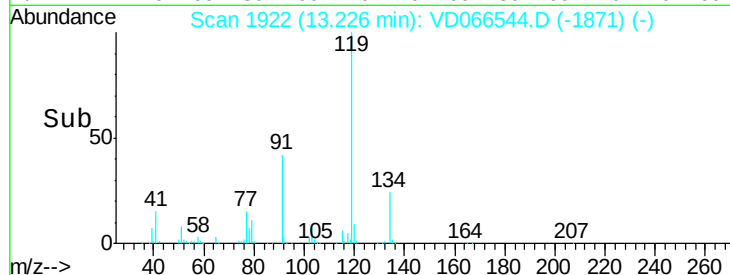
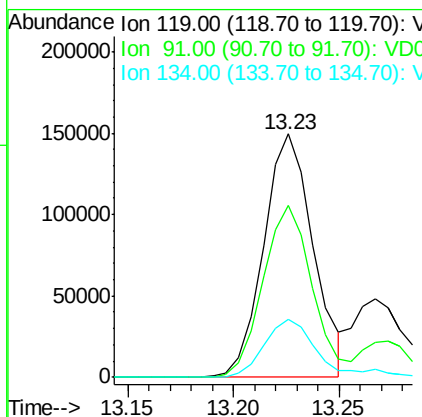
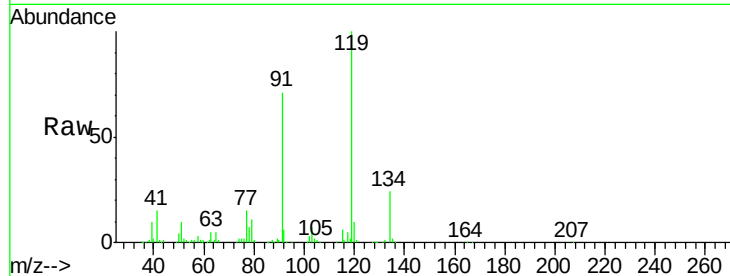
#83
 tert-Butylbenzene
 Concen: 20.054 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.4	35.2	105.6
134	26.3	13.5	40.5

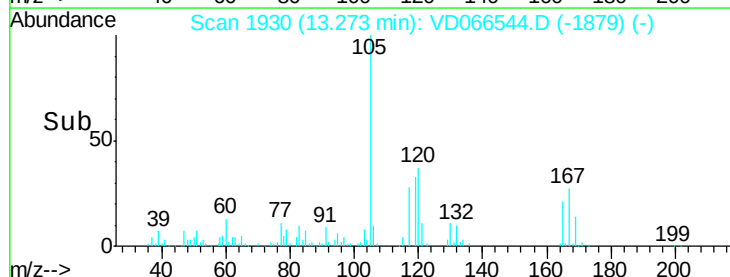
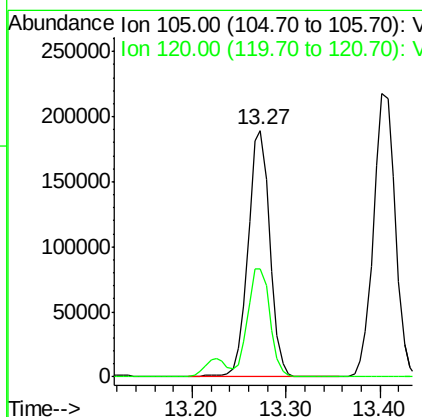
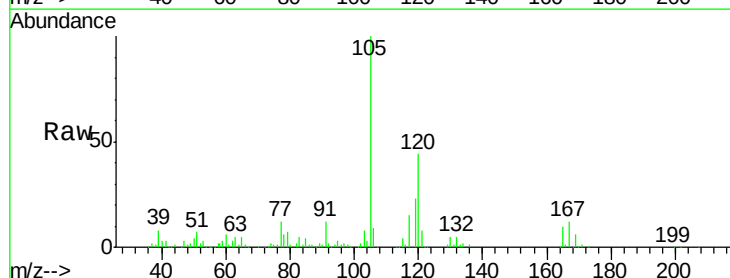
Manual Integrations
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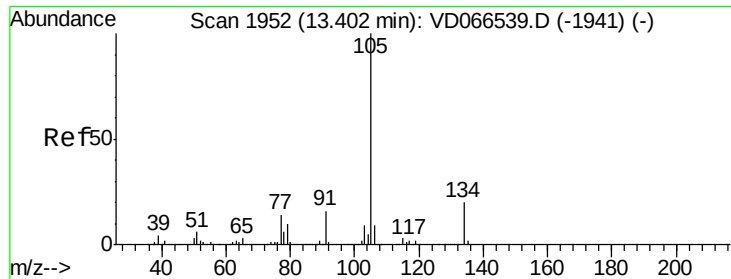
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 9/4/2020 4:55:03 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.411 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.860 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

ClientSampleId :

VD0903SBS01

Tot Ion:105 Resp: 349229

Ion Ratio Lower Upper

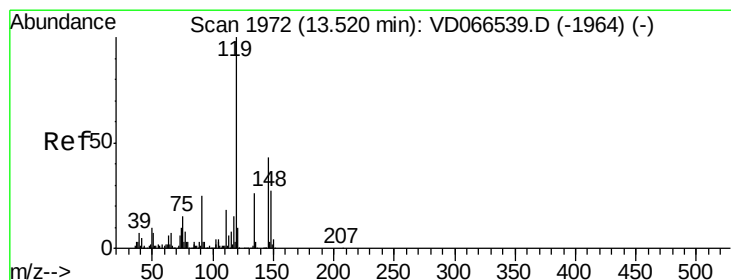
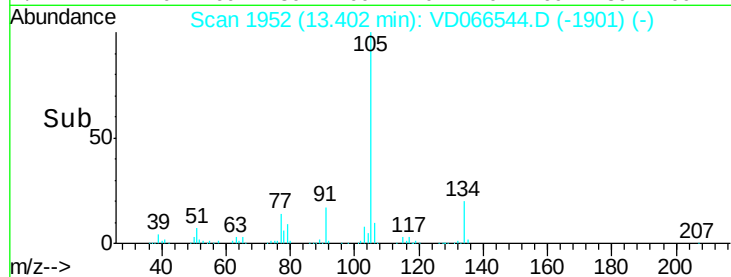
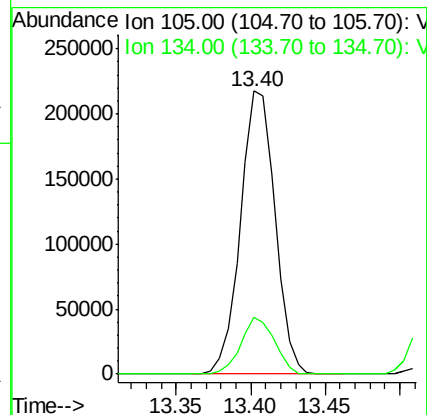
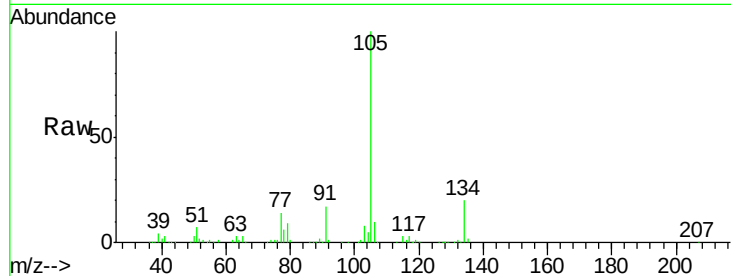
105 100

134 19.5 9.8 29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.977 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

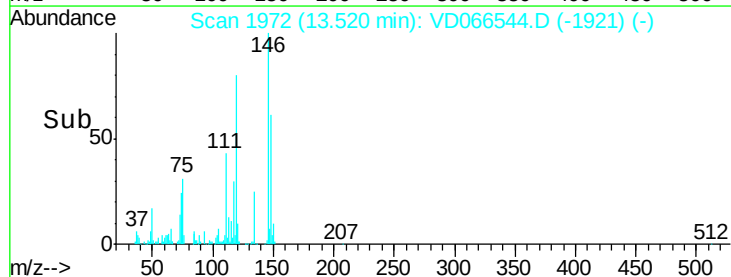
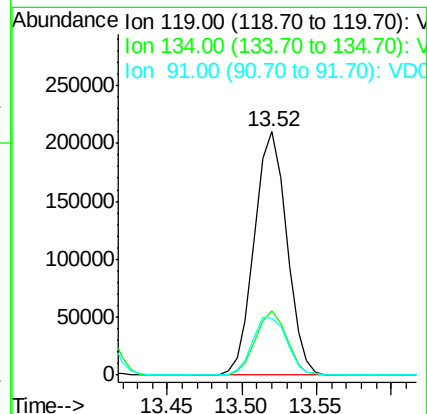
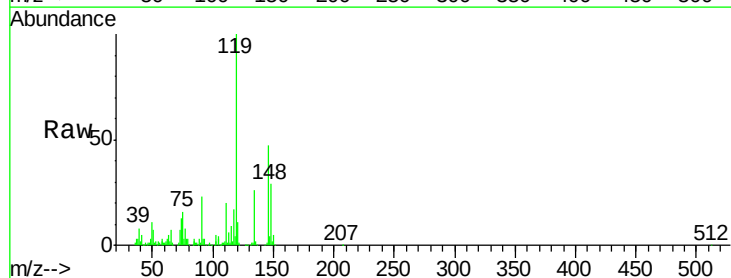
Tgt Ion:119 Resp: 316188

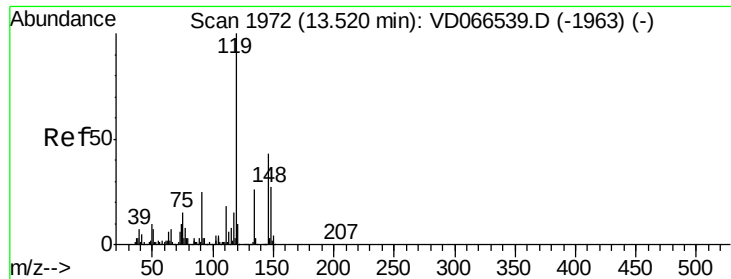
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 25.4 12.5 37.5





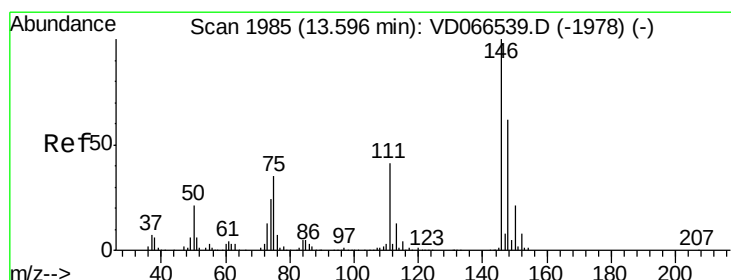
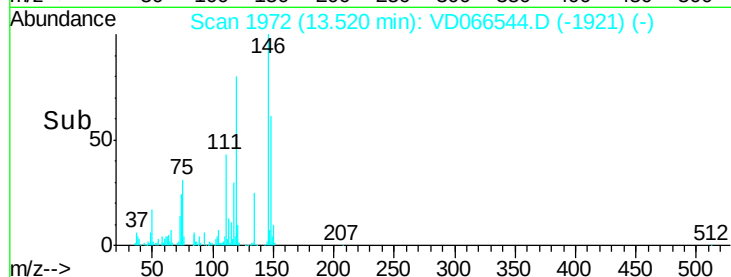
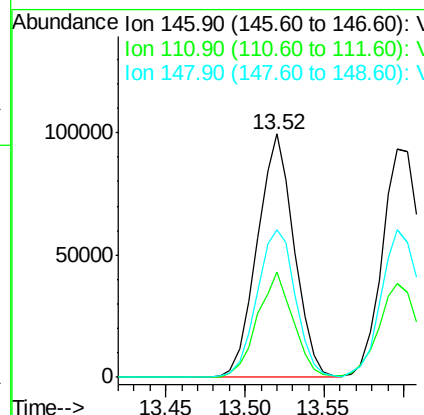
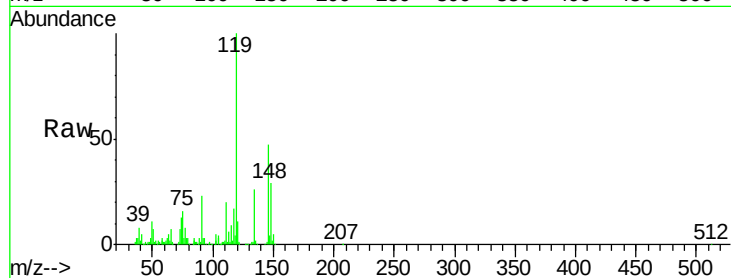
#87
 1,3-Dichlorobenzene
 Concen: 20.524 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161313		
111	42.1	20.6	61.9	
148	63.2	32.1	96.3	

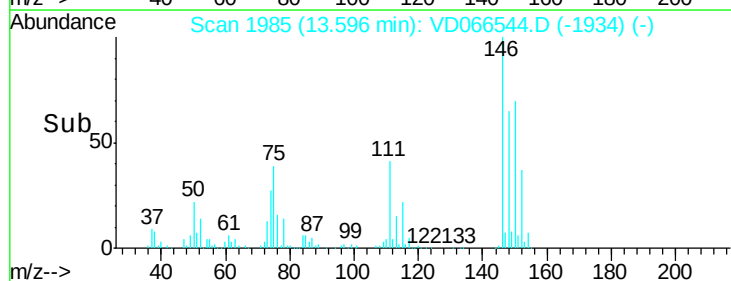
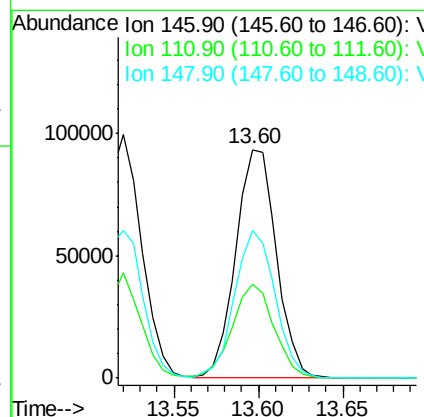
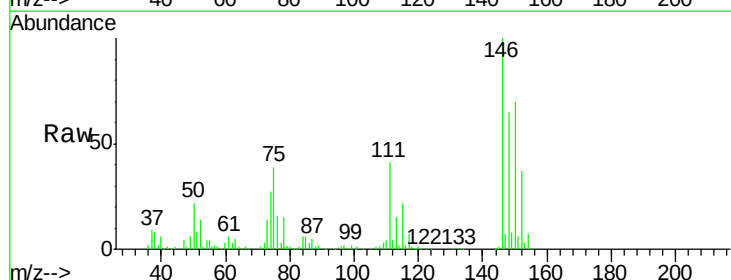
Manual Integrations
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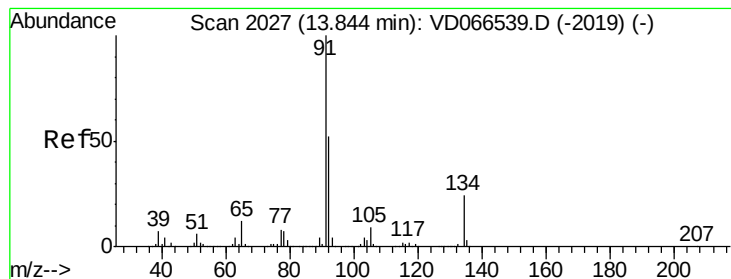
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.868 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	156737		
111	42.1	20.1	60.2	
148	64.6	31.6	94.8	





#89

n-Butylbenzene

Concen: 19.082 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Instrument :

MSVOA_D

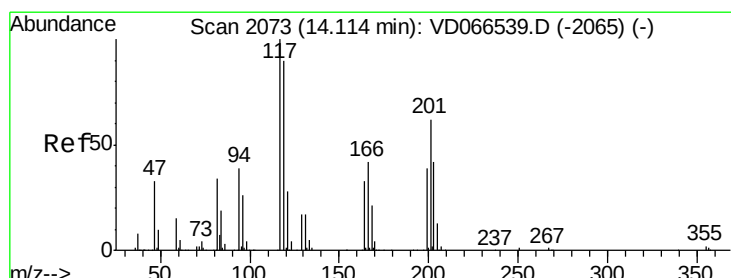
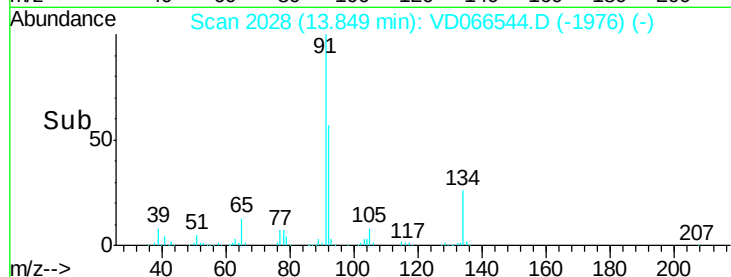
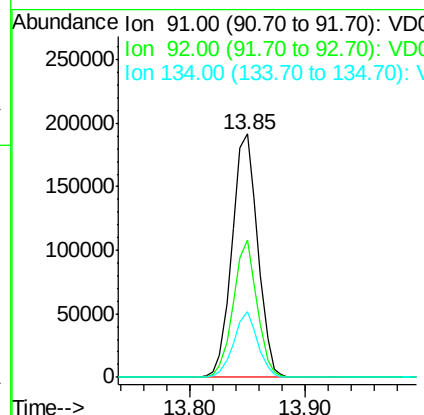
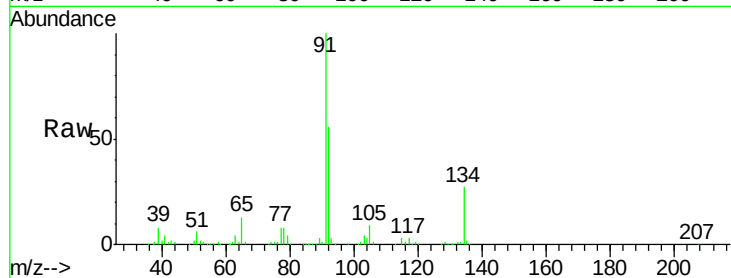
ClientSampleId :

VD0903SBS01

Tot Ion:	91	Resp:	294314
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.5	79.5
134	25.4	12.1	36.3

Manual Integrations
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#90

Hexachloroethane

Concen: 19.930 ug/l

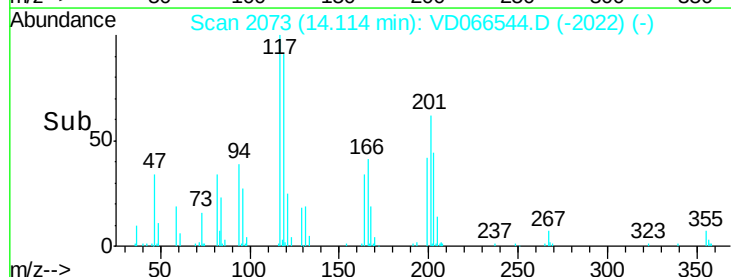
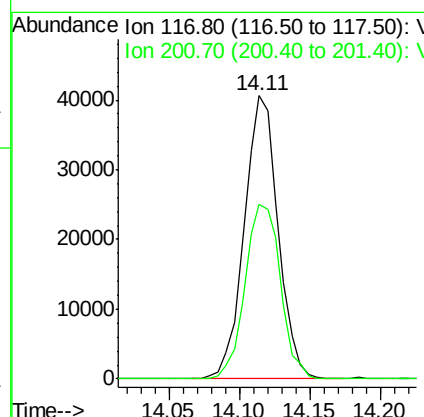
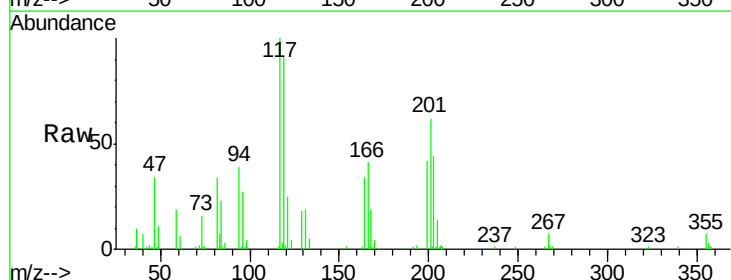
RT: 14.11 min Scan# 2073

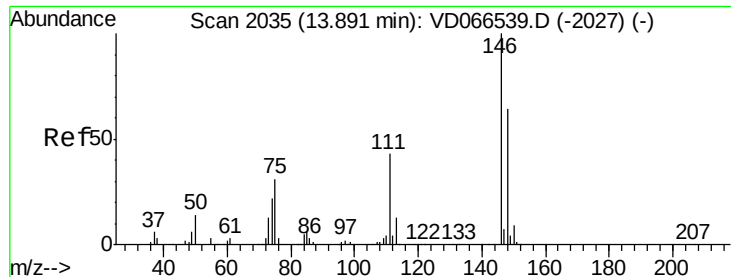
Delta R.T. -0.00 min

Lab File: VD066544.D

Acq: 03 Sep 2020 20:01

Tgt Ion:	117	Resp:	67969
Ion Ratio	Lower	Upper	
117	100		
201	64.7	31.9	95.5





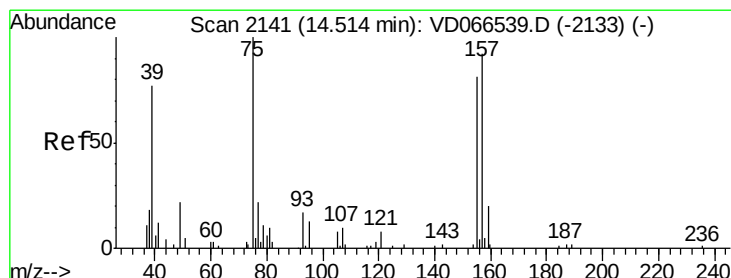
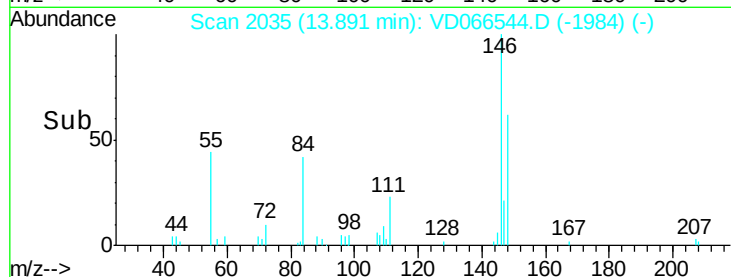
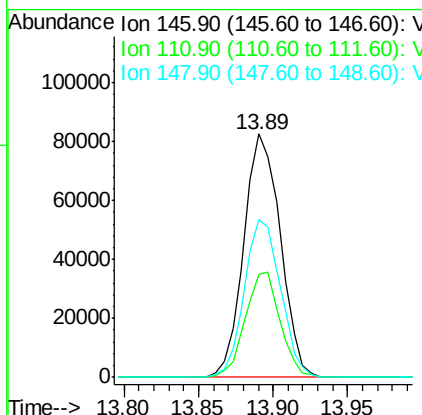
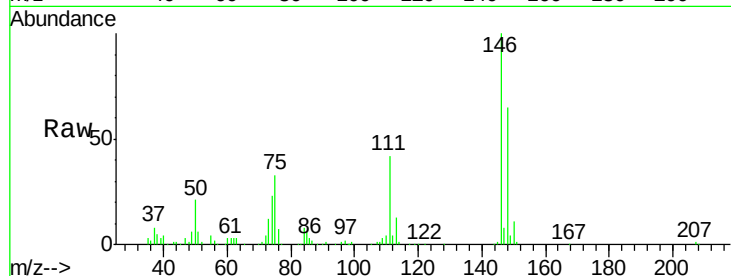
#91
 1,2-Dichlorobenzene
 Concen: 20.353 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139829		
111	41.4		21.1	63.4
148	64.3		31.8	95.3

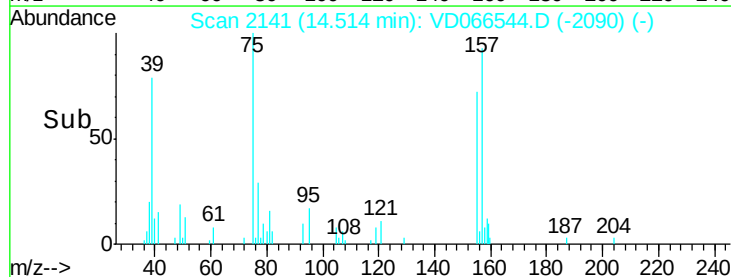
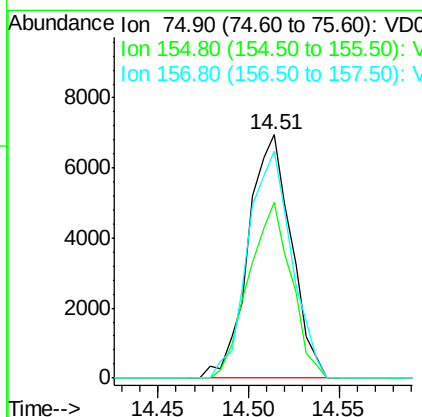
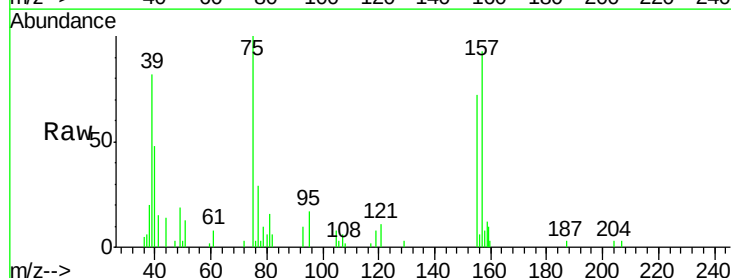
Manual Integrations
 APPROVED

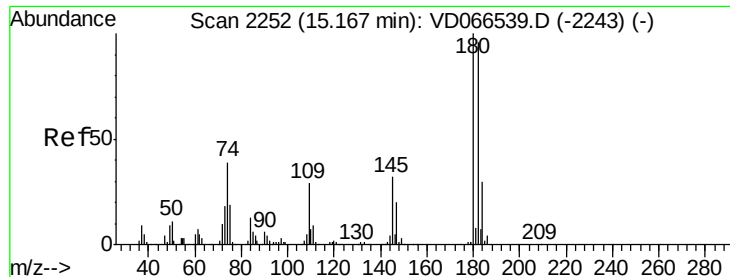
MMDadoda
 9/4/2020 4:55:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.501 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11459		
155	71.3		39.3	117.8
157	94.5		46.0	137.8





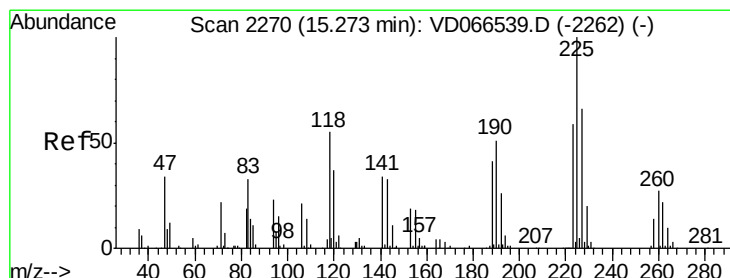
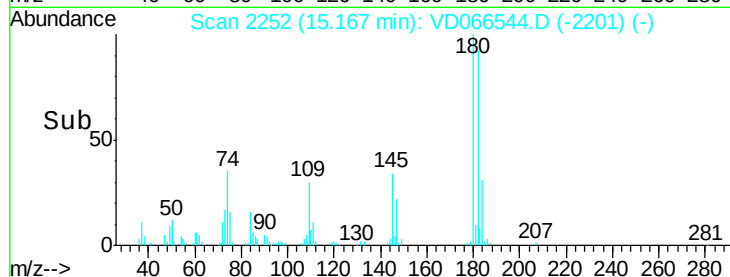
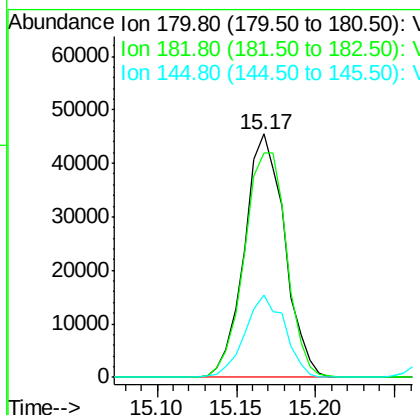
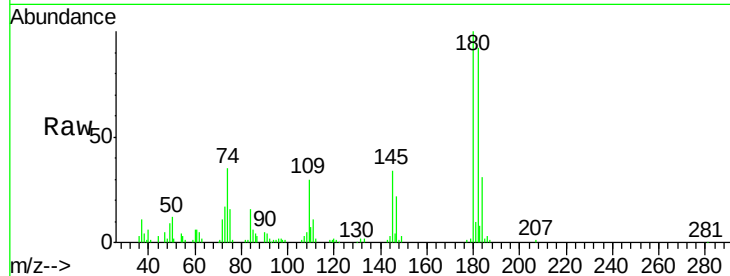
#93
 1,2,4-Trichlorobenzene
 Concen: 19.572 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	48.4	145.0	
145	33.4	16.7	50.0	

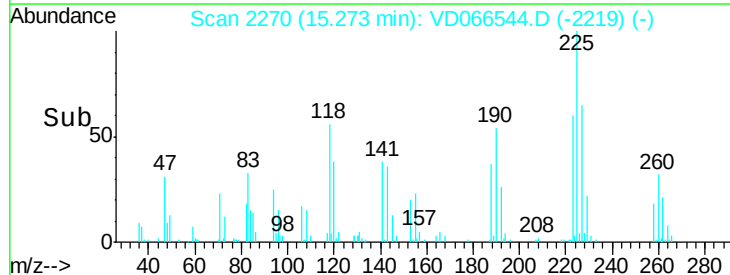
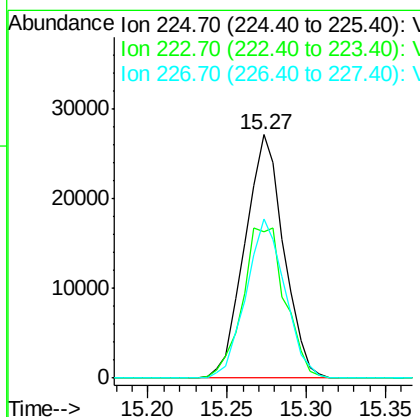
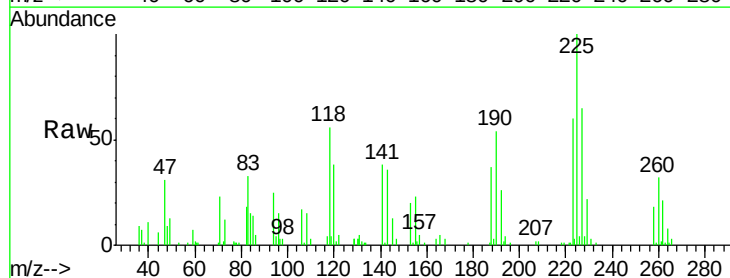
Manual Integrations
 APPROVED

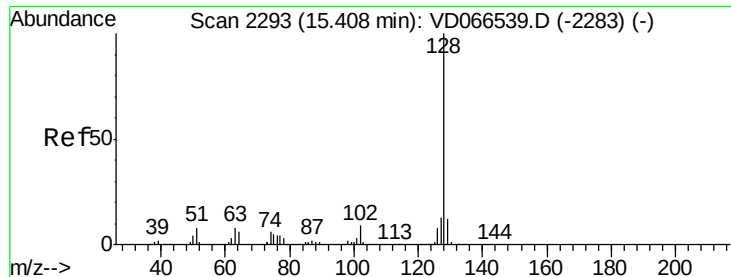
MMDadoda
 9/4/2020 4:55:03 PM



#94
 Hexachlorobutadiene
 Concen: 18.644 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066544.D
 Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	67.4	30.5	91.5	
227	65.2	32.4	97.2	





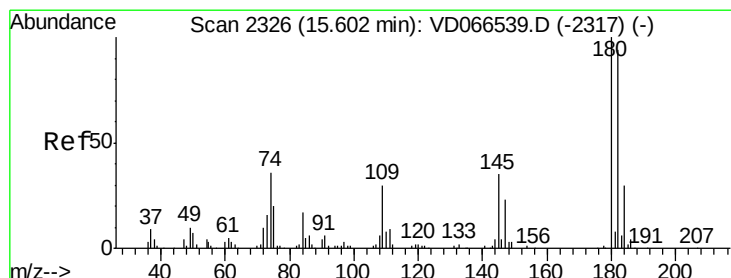
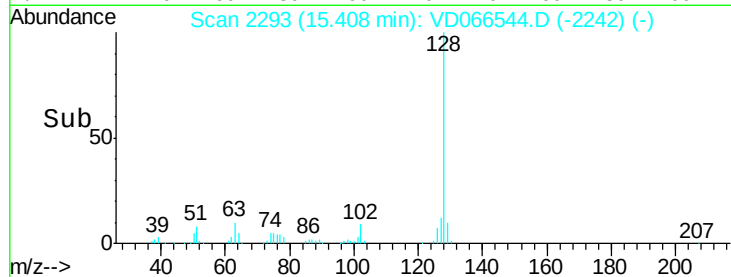
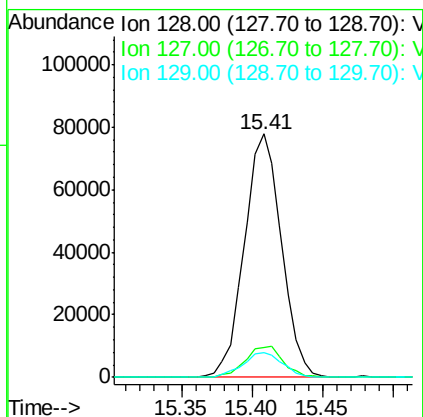
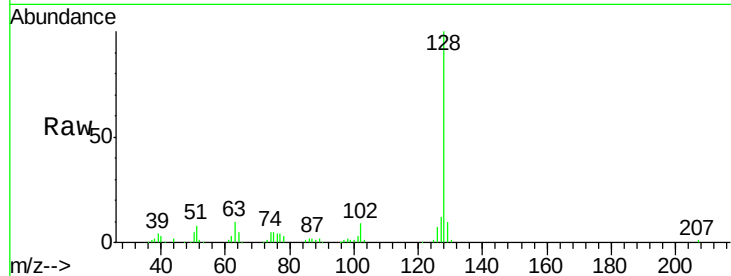
#95
Naphthalene
Concen: 19.960 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Instrument :
MSVOA_D
ClientSampleId :
VD0903SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	10.9	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.903 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066544.D
Acq: 03 Sep 2020 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.6
145	33.5	17.3	51.7

