

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066993.D
 Acq On : 01 Oct 2020 15:30
 Operator : VA/SY
 Sample : VD1001SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:30 PM

Quant Time: Oct 02 00:56:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	485719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	748592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	700799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236380	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.91	113	247509	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.34	98	931171	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.63	95	322351	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92710	20.816	ug/l	94
3) Chloromethane	2.21	50	81204	20.993	ug/l	95
4) Vinyl Chloride	2.35	62	79676	20.542	ug/l	94
5) Bromomethane	2.76	94	53699	18.774	ug/l	96
6) Chloroethane	2.92	64	48071	20.351	ug/l	95
7) Trichlorofluoromethane	3.27	101	167494	19.437	ug/l	95
8) Diethyl Ether	3.70	74	43184	20.209	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97883	20.097	ug/l	99
10) Methyl Iodide	4.30	142	83925	17.733	ug/l	97
11) Tert butyl alcohol	5.22	59	39669	119.272	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	89040	19.446	ug/l	96
13) Acrolein	3.93	56	31614	100.917	ug/l	99
14) Allyl chloride	4.71	41	122966	20.673	ug/l	97
15) Acrylonitrile	5.43	53	78838	100.242	ug/l	97
16) Acetone	4.16	43	74172	103.858	ug/l	98
17) Carbon Disulfide	4.41	76	284980	20.281	ug/l	100
18) Methyl Acetate	4.71	43	36126	20.127	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	167440	20.032	ug/l	98
20) Methylene Chloride	4.96	84	136918	23.103	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	103757	19.912	ug/l	92
22) Diisopropyl ether	6.36	45	233359	21.489	ug/l	98
23) Vinyl Acetate	6.30	43	634559	103.121	ug/l	98
24) 1,1-Dichloroethane	6.26	63	167264	19.958	ug/l	99
25) 2-Butanone	7.21	43	99923	98.687	ug/l	95
26) 2,2-Dichloropropane	7.20	77	155954	19.223	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110192	19.800	ug/l	96
28) Bromochloromethane	7.54	49	62304	19.251	ug/l	98
29) Tetrahydrofuran	7.56	42	60271	103.525	ug/l	97
30) Chloroform	7.71	83	184205	20.262	ug/l	99
31) Cyclohexane	7.98	56	140352	19.976	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	168424	19.990	ug/l	98
36) 1,1-Dichloropropene	8.11	75	144394	20.694	ug/l	99
37) Ethyl Acetate	7.29	43	49319	20.403	ug/l	97
38) Carbon Tetrachloride	8.10	117	152558	20.207	ug/l	99

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Manual Integrations
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MMDadoda
 10/2/2020 3:13:30 PM

Quant Time: Oct 02 00:56:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	147461	19.989	ug/l	97
40) Benzene	8.35	78	402935	20.790	ug/l	100
41) Methacrylonitrile	7.51	41	20458m	15.666	ug/l	
42) 1,2-Dichloroethane	8.43	62	110881	20.474	ug/l	100
43) Isopropyl Acetate	8.45	43	94372	21.192	ug/l	98
44) Trichloroethene	9.11	130	116554	20.139	ug/l	99
45) 1,2-Dichloropropane	9.38	63	98301	21.587	ug/l	95
46) Dibromomethane	9.47	93	54185	20.703	ug/l	99
47) Bromodichloromethane	9.66	83	137870	20.265	ug/l	96
48) Methyl methacrylate	9.46	41	41701	18.279	ug/l #	76
49) 1,4-Dioxane	9.46	88	11499	420.959	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	234186	105.580	ug/l	98
52) Toluene	10.40	92	266918	21.380	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	125702	20.673	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	151308	20.378	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	74773	20.549	ug/l	97
56) Ethyl methacrylate	10.66	69	79031	21.036	ug/l	96
57) 1,3-Dichloropropane	10.94	76	125040	21.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	222365	106.343	ug/l	99
59) 2-Hexanone	10.98	43	155118	104.778	ug/l	99
60) Dibromochloromethane	11.14	129	100576	20.738	ug/l	96
61) 1,2-Dibromoethane	11.24	107	73036	20.892	ug/l	97
64) Tetrachloroethene	10.87	164	101852	19.991	ug/l	91
65) Chlorobenzene	11.67	112	281065	20.165	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	105851	19.965	ug/l	99
67) Ethyl Benzene	11.74	91	487610	20.418	ug/l	96
68) m/p-Xylenes	11.86	106	384500	41.313	ug/l	99
69) o-Xylene	12.18	106	170337	20.467	ug/l	96
70) Styrene	12.20	104	299969	20.989	ug/l	99
71) Bromoform	12.36	173	55604	20.204	ug/l	97
73) Isopropylbenzene	12.48	105	463205	20.203	ug/l	100
74) N-amyl acetate	12.29	43	82589	20.038	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	77530	20.070	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	50102m	17.035	ug/l	
77) Bromobenzene	12.76	156	112736	20.364	ug/l	99
78) n-propylbenzene	12.82	91	557522	20.576	ug/l	99
79) 2-Chlorotoluene	12.91	91	316410	20.410	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	399867	20.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24933	21.135	ug/l	93
82) 4-Chlorotoluene	13.01	91	339106	20.559	ug/l	100
83) tert-Butylbenzene	13.23	119	336412	20.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	402190	20.805	ug/l	98
85) sec-Butylbenzene	13.41	105	468688	20.403	ug/l	99
86) p-Isopropyltoluene	13.52	119	439224	20.624	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	225786	20.938	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	216109	20.043	ug/l	98
89) n-Butylbenzene	13.85	91	391247	20.101	ug/l	98
90) Hexachloroethane	14.12	117	74002	19.837	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	190608	20.240	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12619	20.265	ug/l	94

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ClientSampleId :
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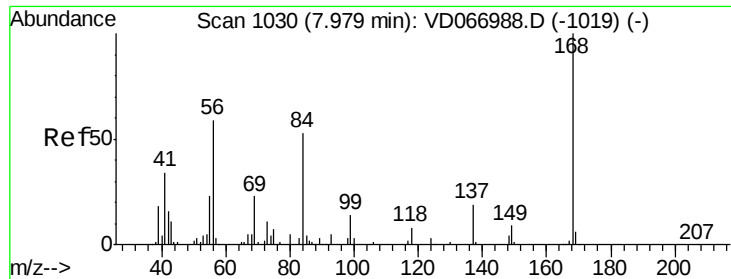
Manual Integrations
APPROVED

MMDadoda
10/2/2020 3:13:30 PM

Quant Time: Oct 02 00:56:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	121731	19.984	ug/l	98
94) Hexachlorobutadiene	15.27	225	72022	19.252	ug/l	97
95) Naphthalene	15.41	128	197722	19.460	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	106872	20.210	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:168 Resp: 485719

Ion Ratio Lower Upper

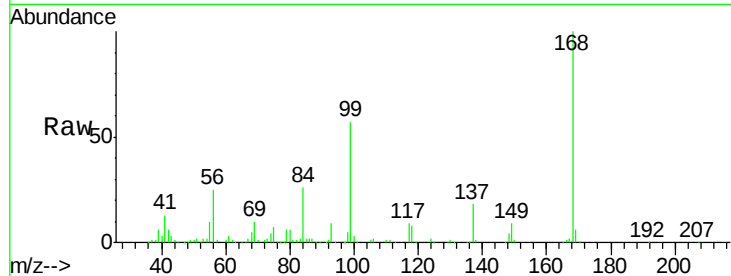
168 100

99 56.6 44.1 66.1

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

7.98

250000

200000

150000

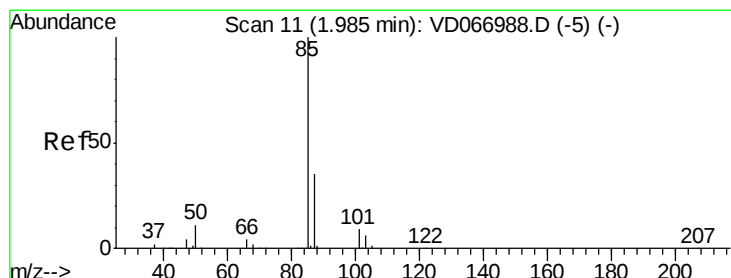
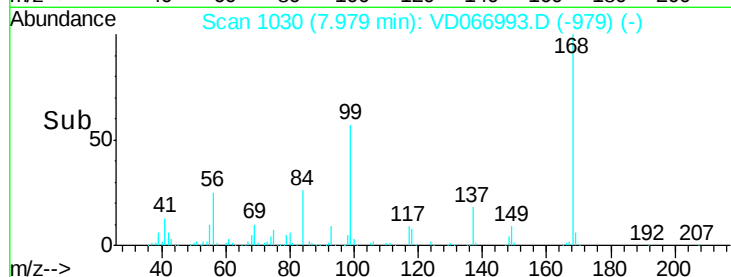
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.816 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066993.D

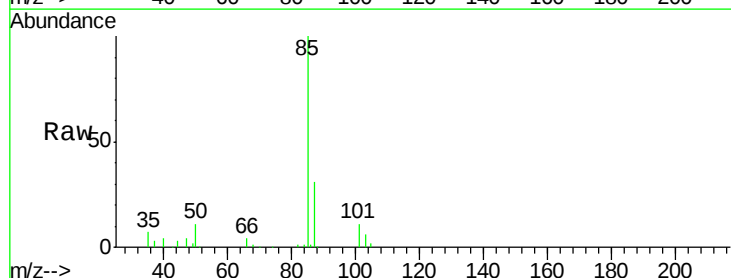
Acq: 01 Oct 2020 15:30

Tgt Ion: 85 Resp: 92710

Ion Ratio Lower Upper

85 100

87 31.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

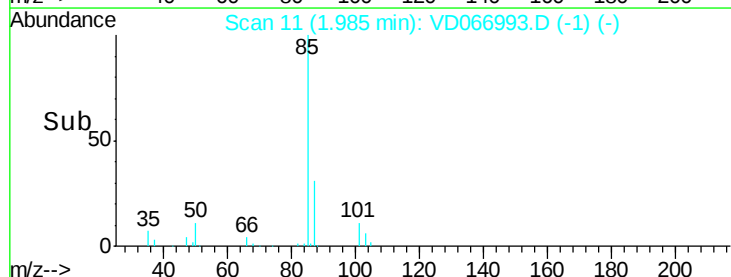
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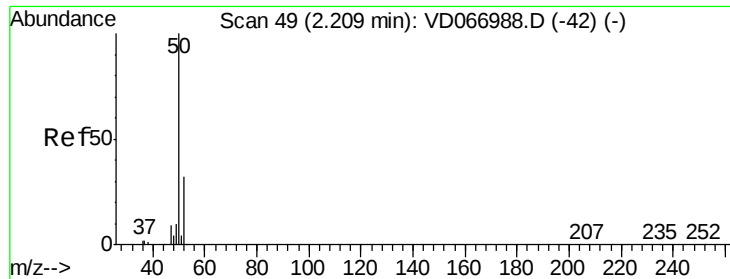
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.993 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 50 Resp: 81204

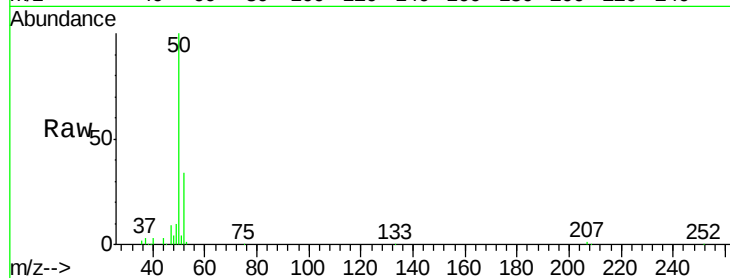
Ion Ratio Lower Upper

50 100

52 34.2 25.3 37.9

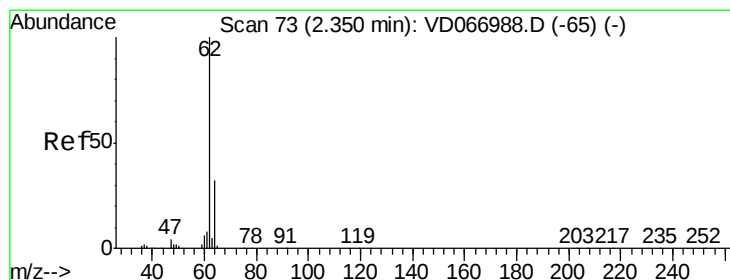
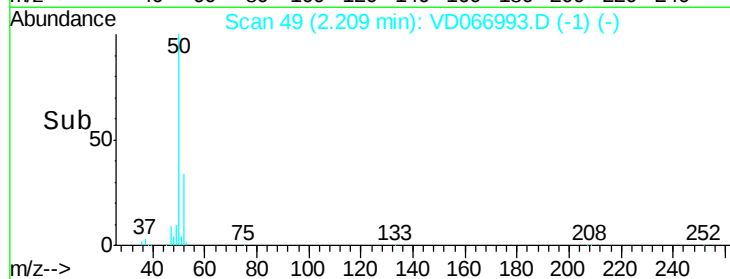
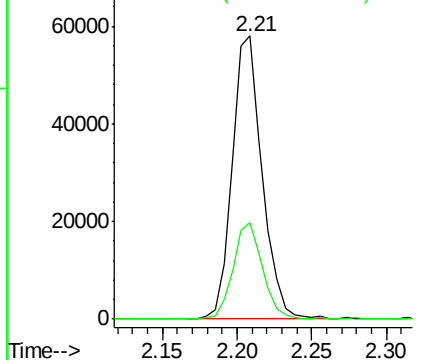
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.542 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066993.D

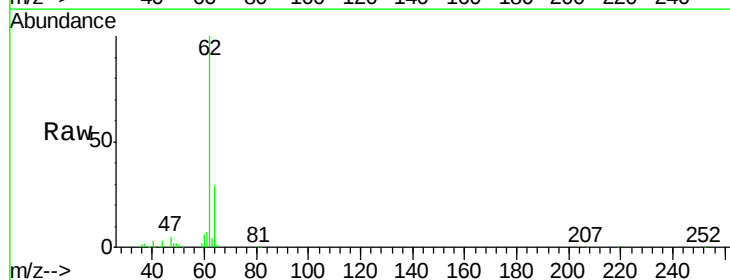
Acq: 01 Oct 2020 15:30

Tgt Ion: 62 Resp: 79676

Ion Ratio Lower Upper

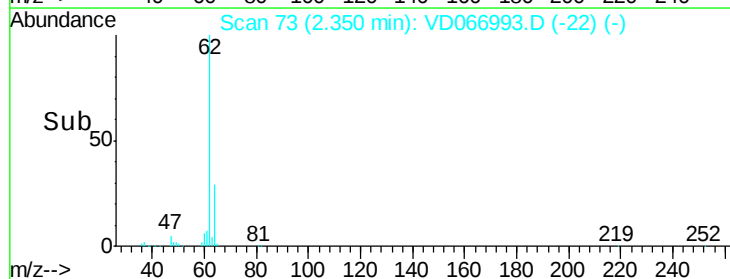
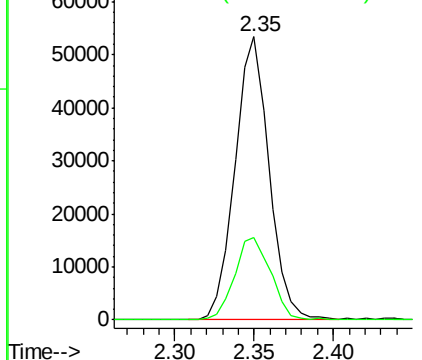
62 100

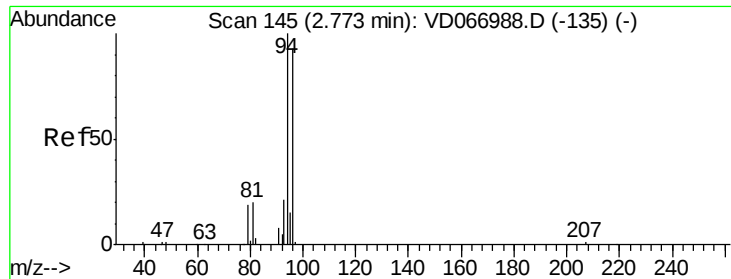
64 29.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.774 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 94 Resp: 53699

Ion Ratio Lower Upper

94 100

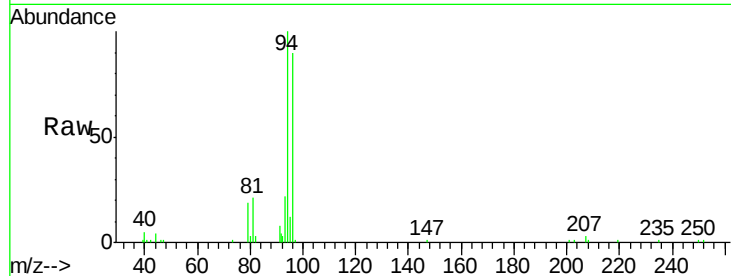
96 89.6 74.6 112.0

Manual Integrations

APPROVED

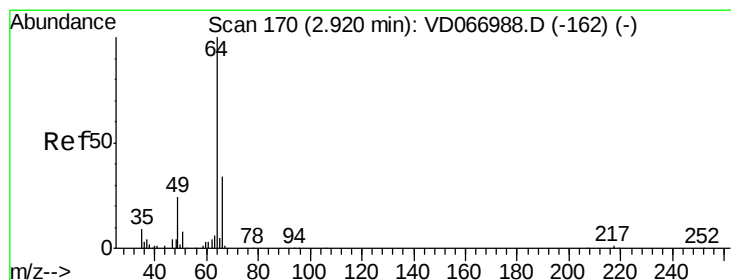
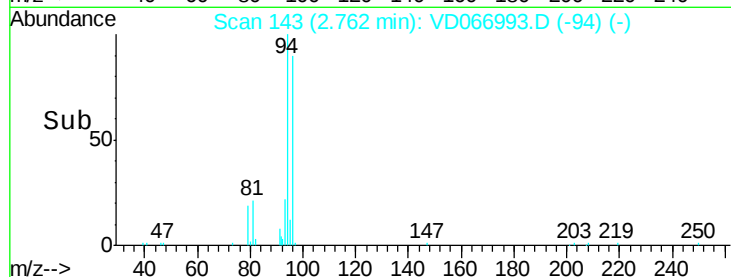
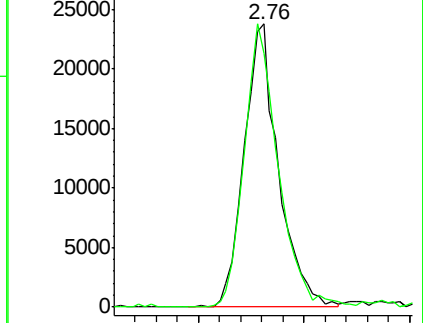
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.351 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066993.D

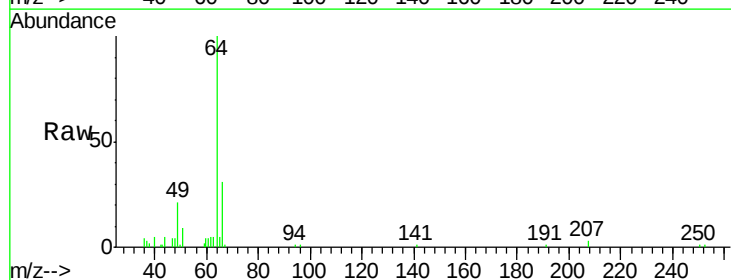
Acq: 01 Oct 2020 15:30

Tgt Ion: 64 Resp: 48071

Ion Ratio Lower Upper

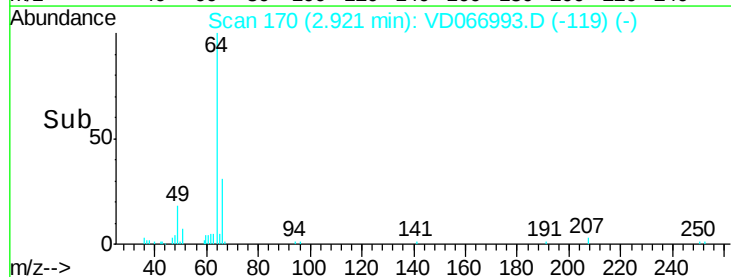
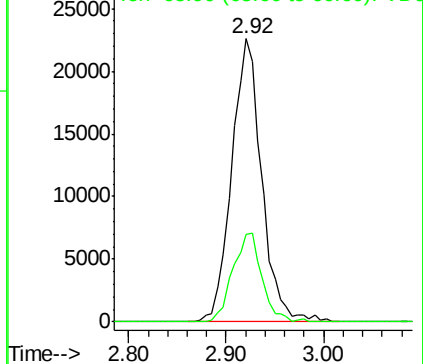
64 100

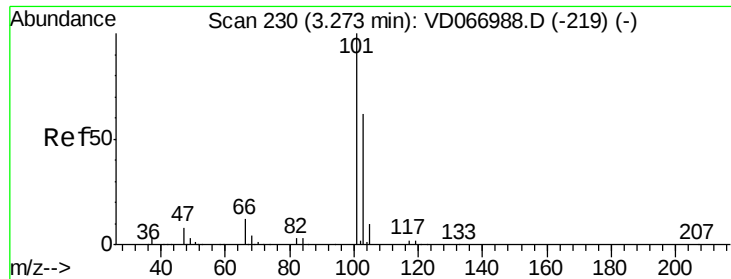
66 31.0 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

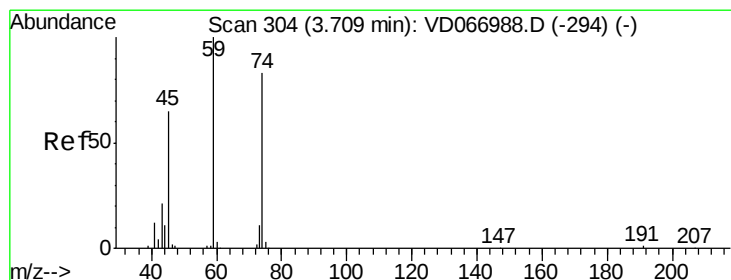
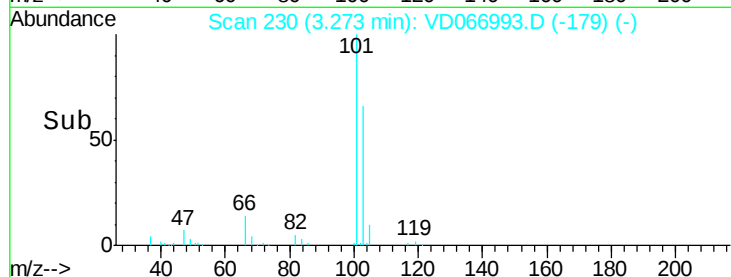
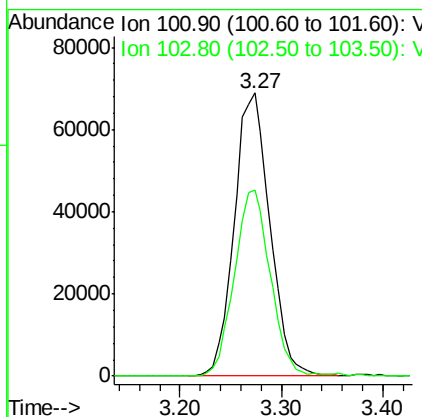
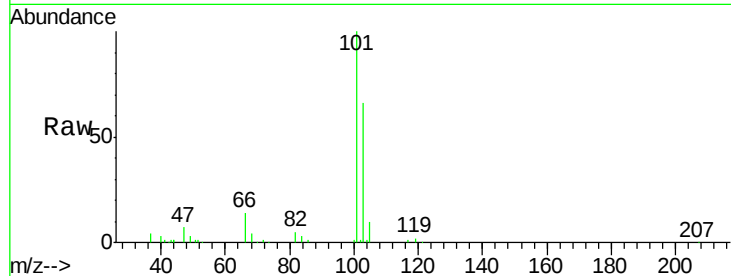
Trichlorofluoromethane
 Concen: 19.437 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
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 VD1001SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	49.8	74.8

Manual Integrations
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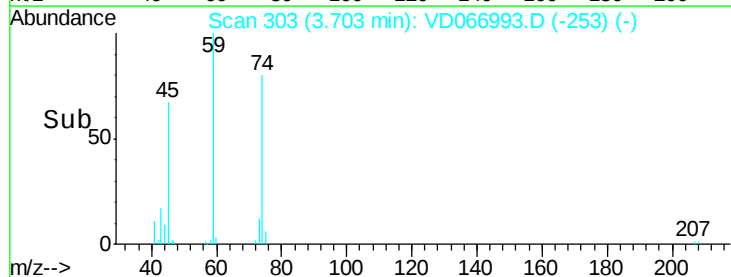
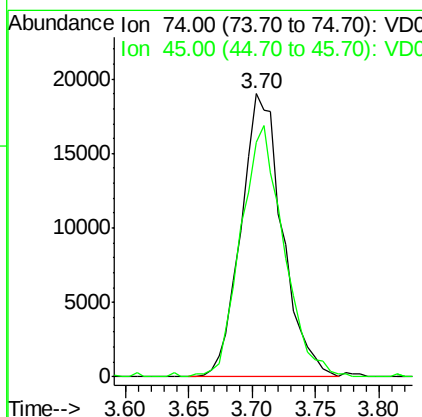
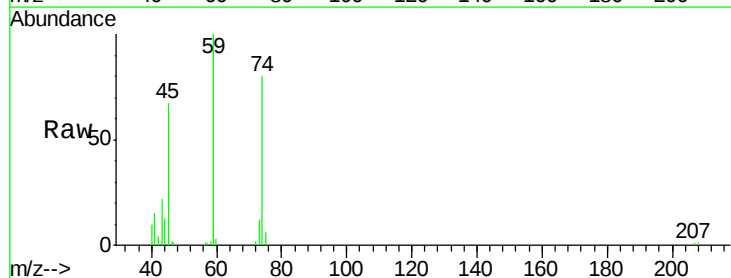
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 10/2/2020 3:13:30 PM

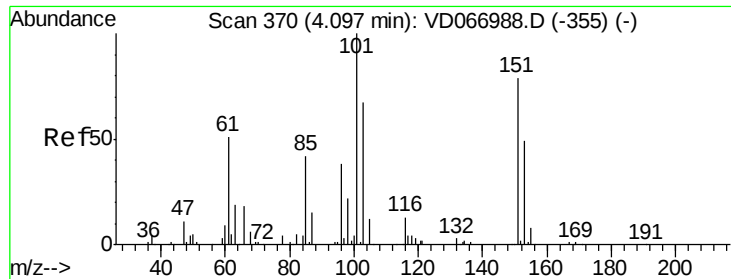


#8

Diethyl Ether
 Concen: 20.209 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.097 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

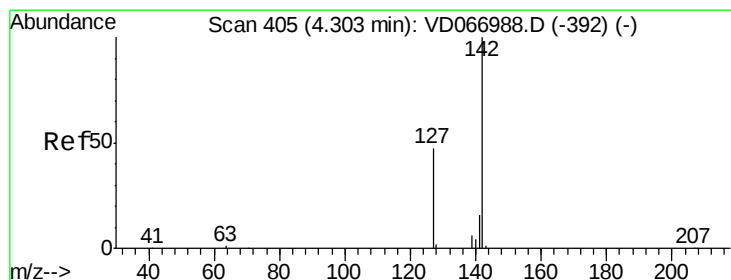
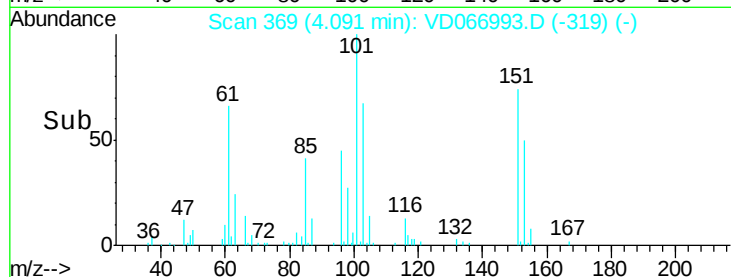
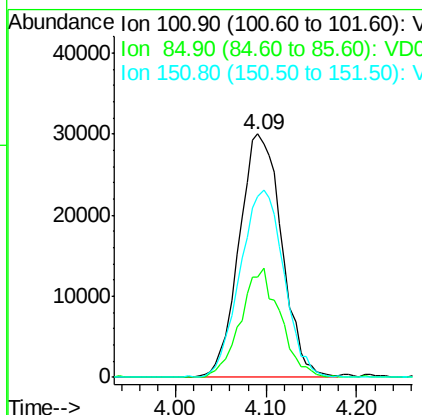
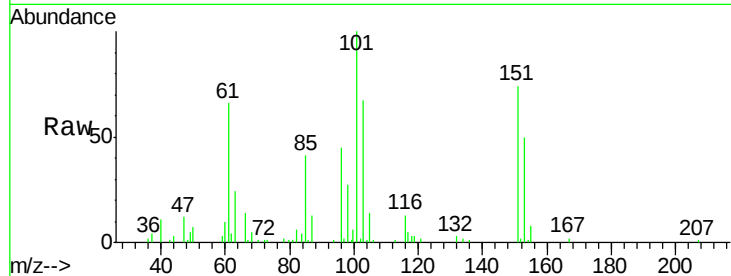
ClientSampleId :

VD1001SBS01

Tot Ion:	101	Resp:	97883
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.8
151	79.3	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.733 ug/l

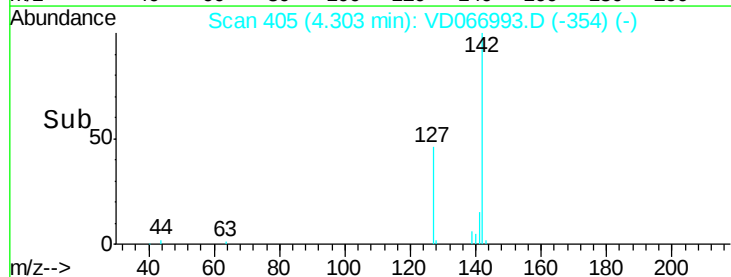
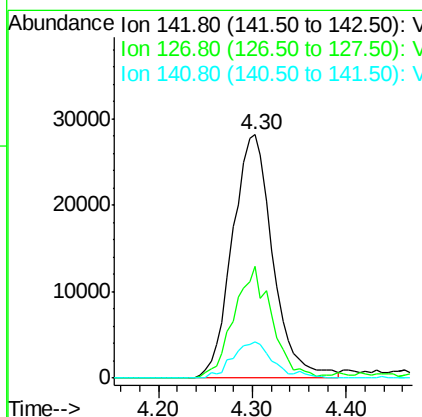
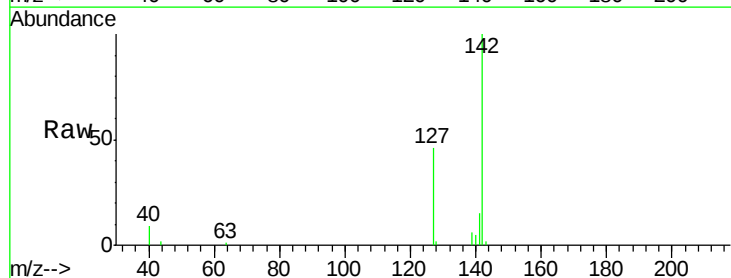
RT: 4.30 min Scan# 405

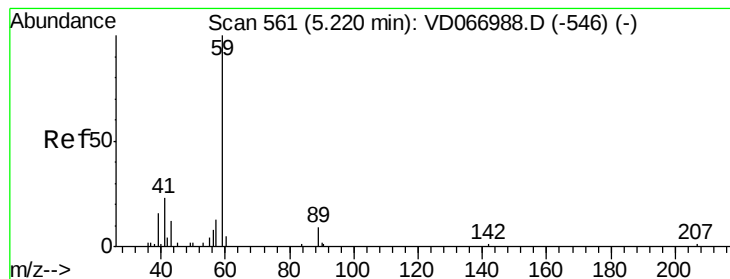
Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:	142	Resp:	83925
Ion Ratio	Lower	Upper	
142	100		
127	43.3	36.3	54.5
141	14.2	12.0	18.0





#11

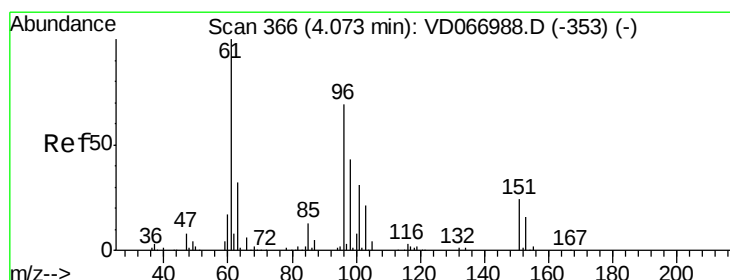
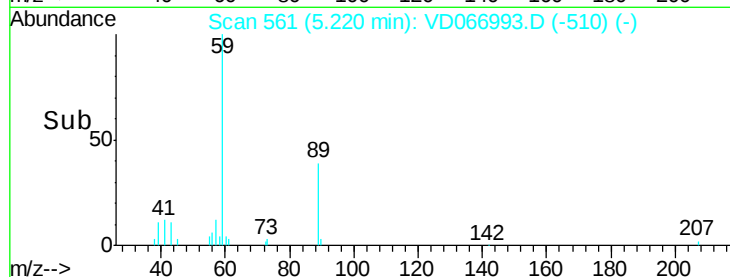
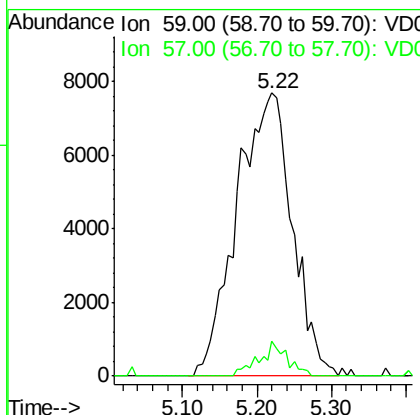
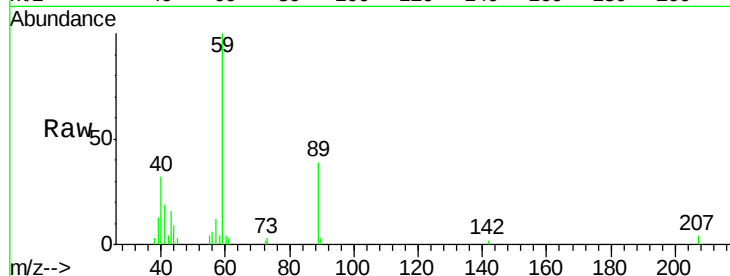
Tert butyl alcohol
 Concen: 119.272 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	8.2	12.4#

Manual Integrations
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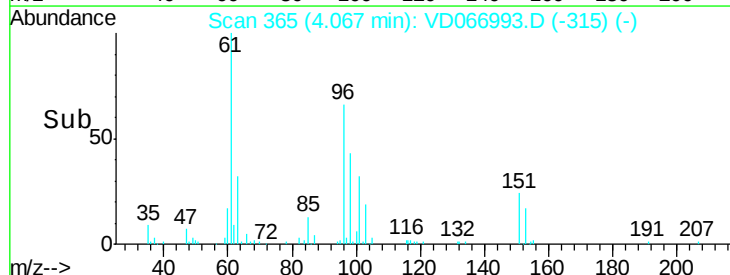
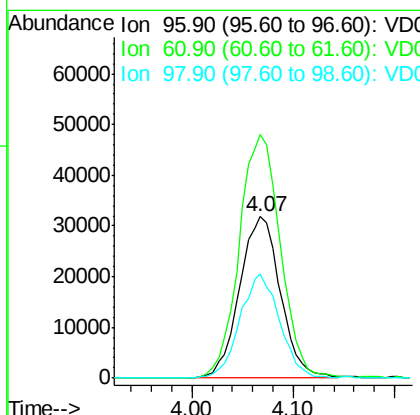
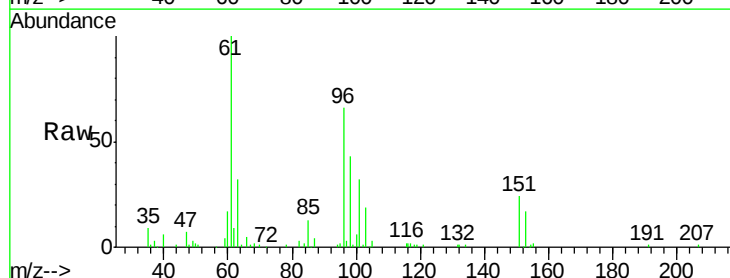
MMDadoda
 10/2/2020 3:13:30 PM

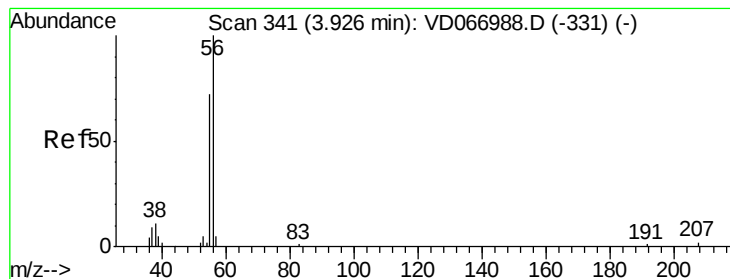


#12

1,1-Dichloroethene
 Concen: 19.446 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	116.4	174.6
98	64.2	49.9	74.9





#13

Acrolein

Concen: 100.917 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 56 Resp: 31614

Ion Ratio Lower Upper

56 100

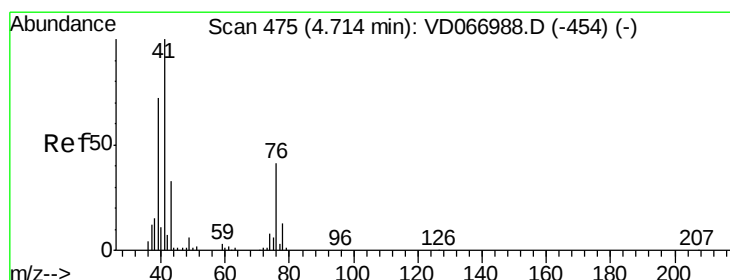
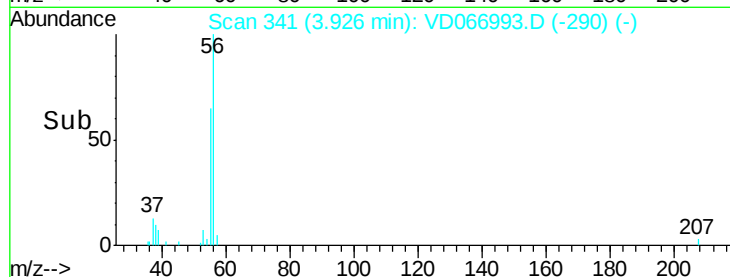
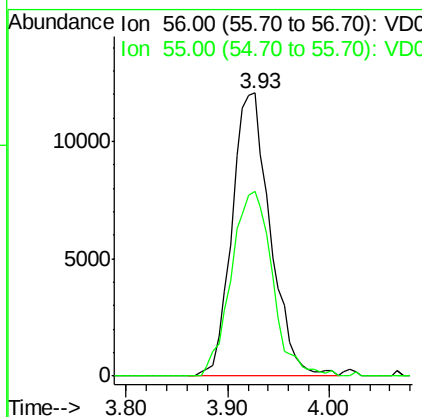
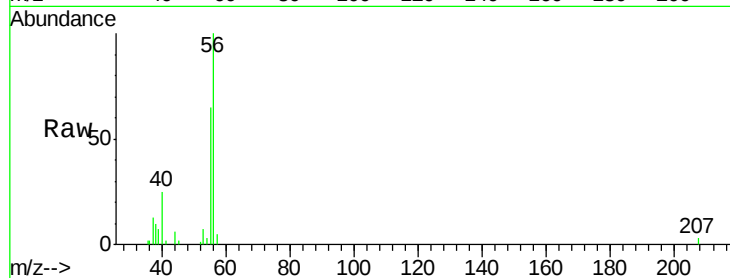
55 70.3 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.673 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

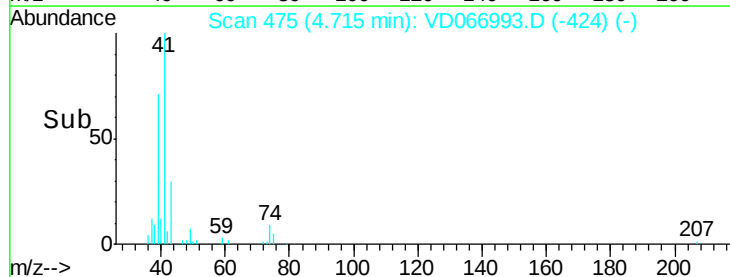
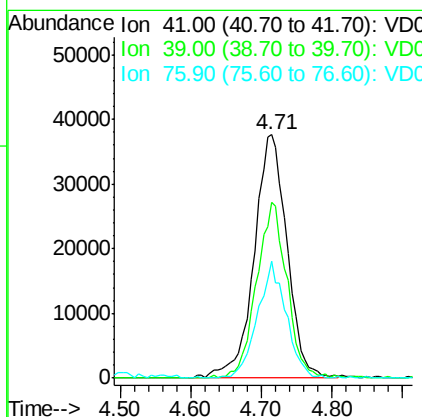
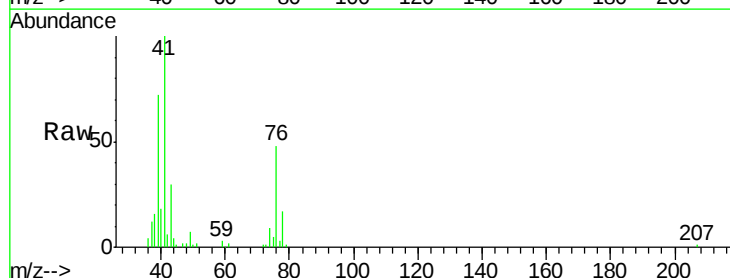
Tgt Ion: 41 Resp: 122966

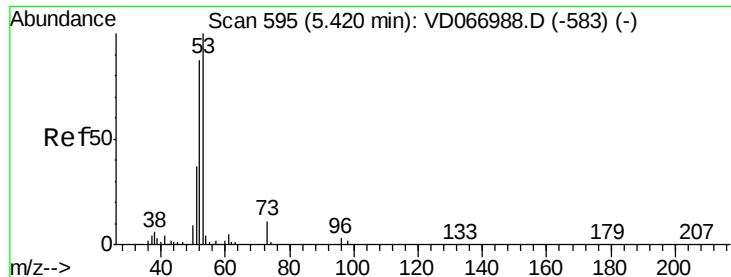
Ion Ratio Lower Upper

41 100

39 66.5 56.2 84.2

76 41.8 34.2 51.2





#15

Acrylonitrile

Concen: 100.242 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

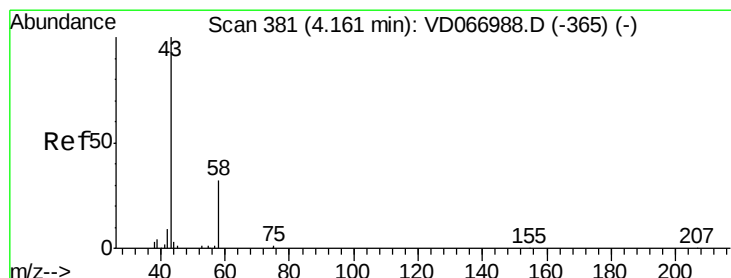
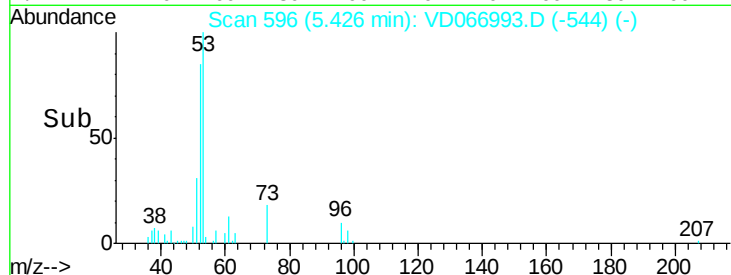
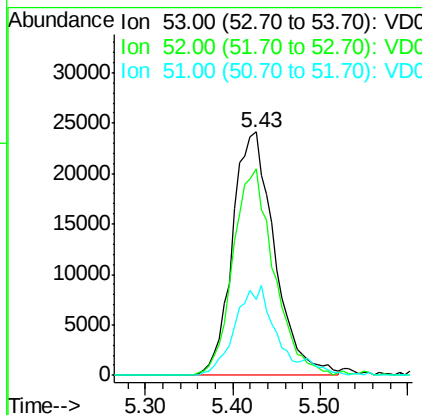
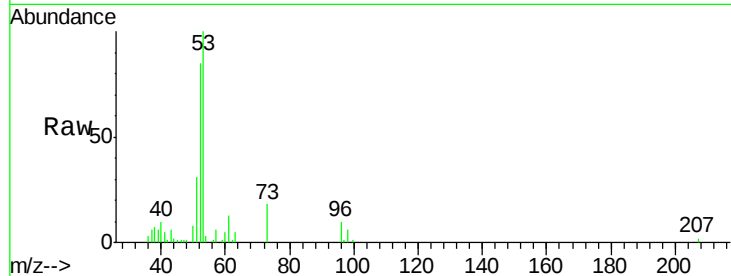
ClientSampleId :

VD1001SBS01

Tot Ion:	53	Resp:	78838
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.3	100.9
51	33.9	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 103.858 ug/l

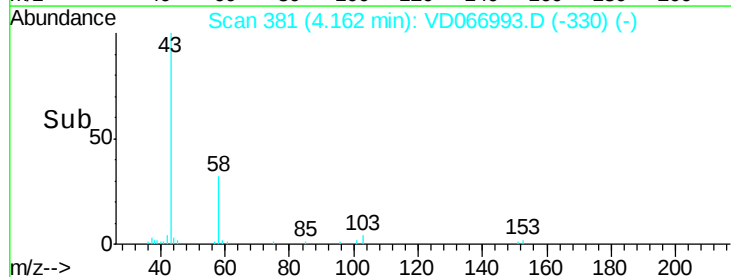
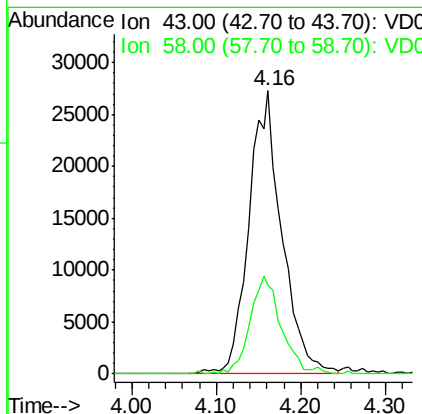
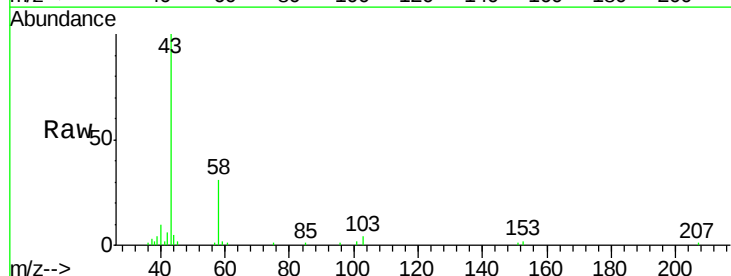
RT: 4.16 min Scan# 381

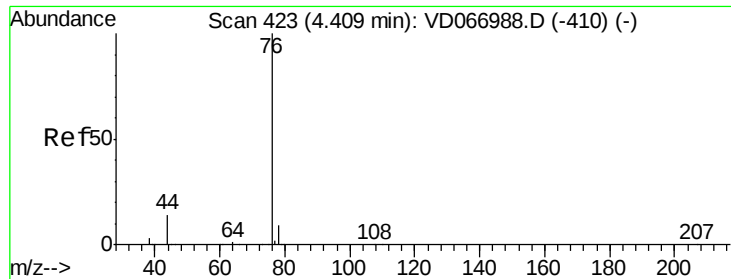
Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:	43	Resp:	74172
Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.9	38.9





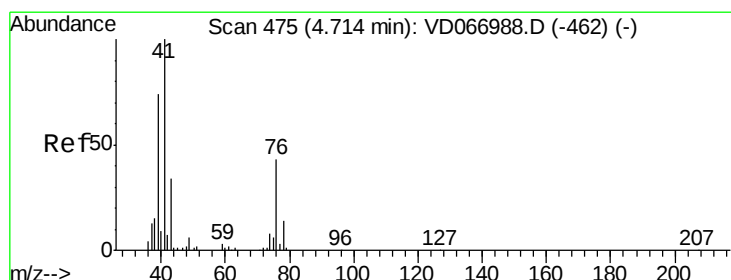
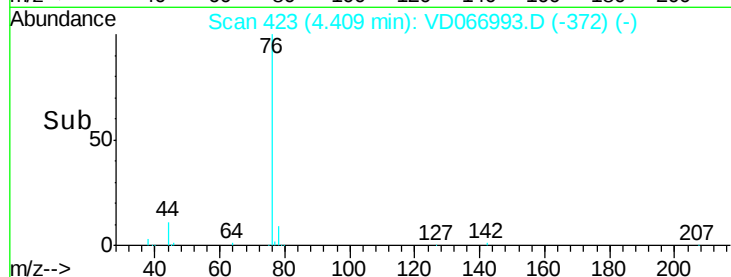
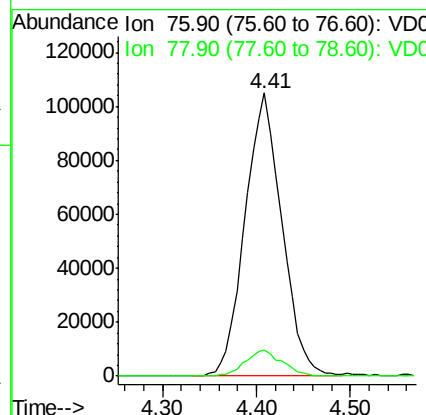
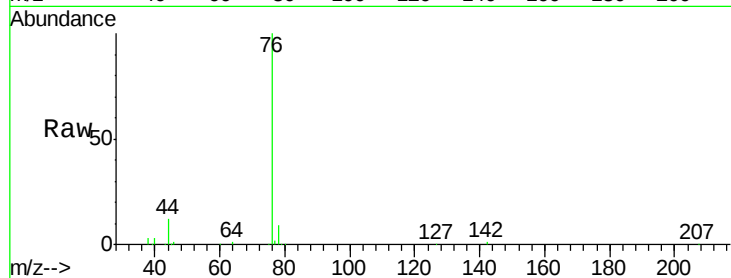
#17
Carbon Disulfide
Concen: 20.281 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

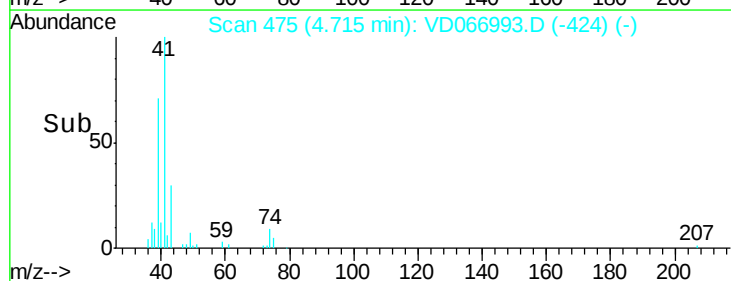
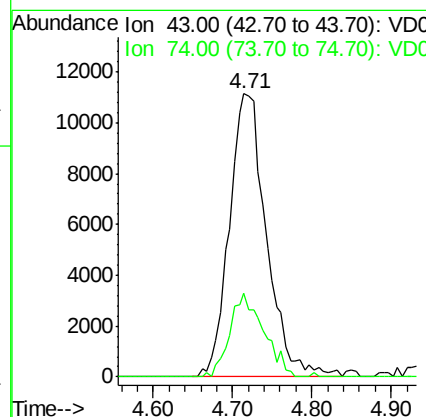
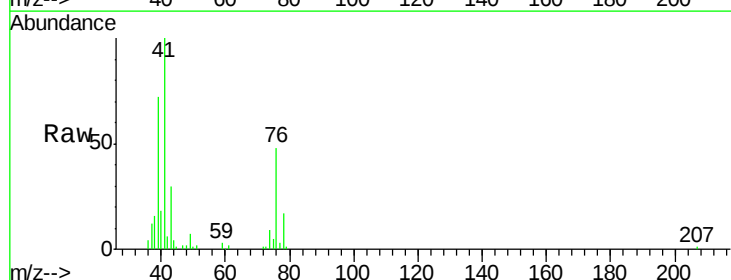
Manual Integrations
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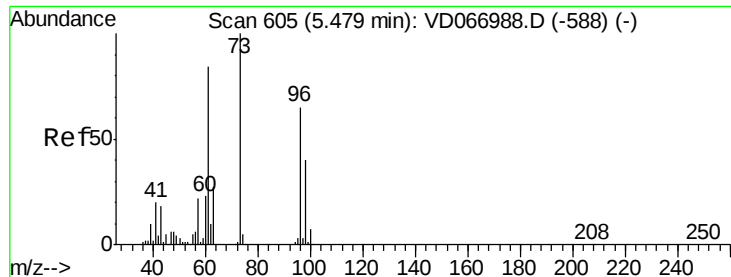
MMDadoda
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#18
Methyl Acetate
Concen: 20.127 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	21.5	32.3





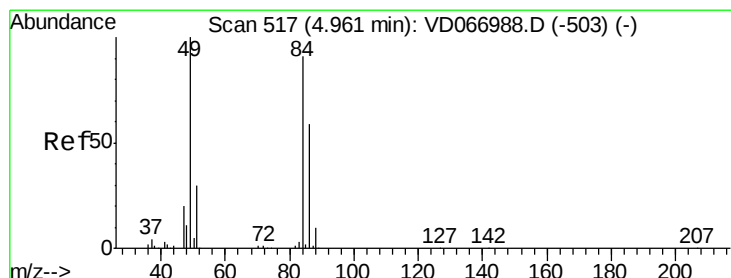
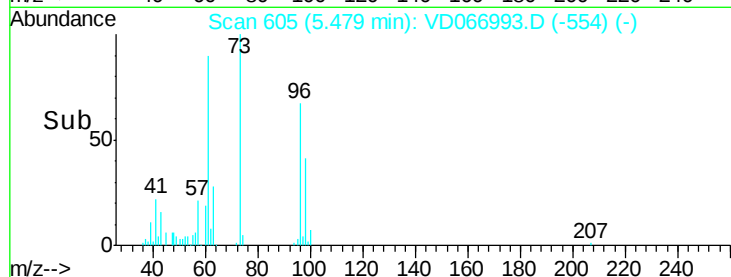
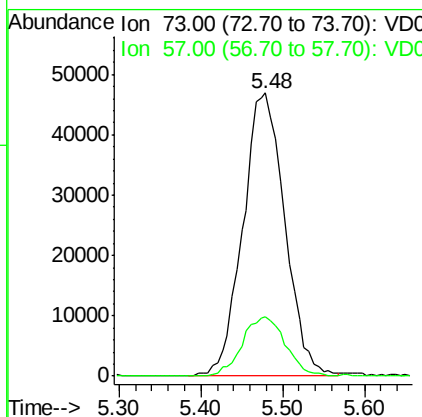
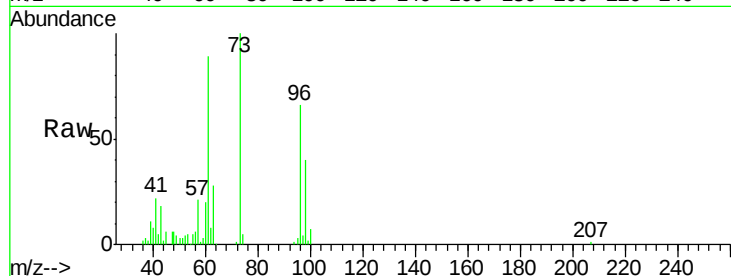
#19
Methvl tert-butvl Ether
Concen: 20.032 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 73 Resp: 167440
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0

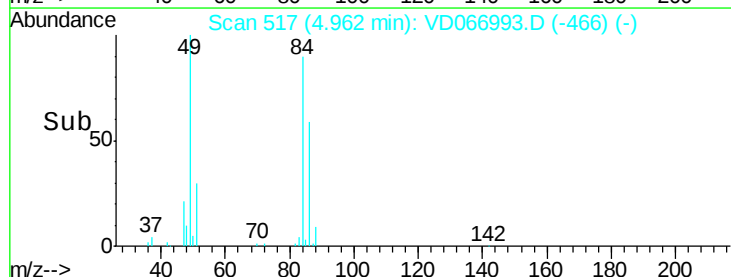
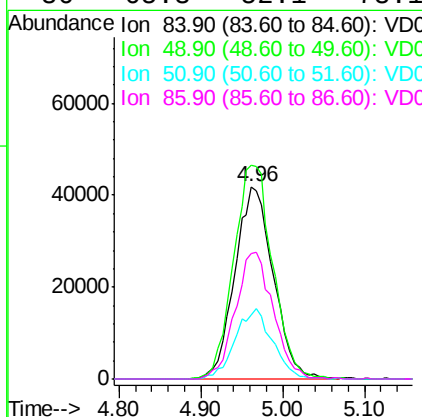
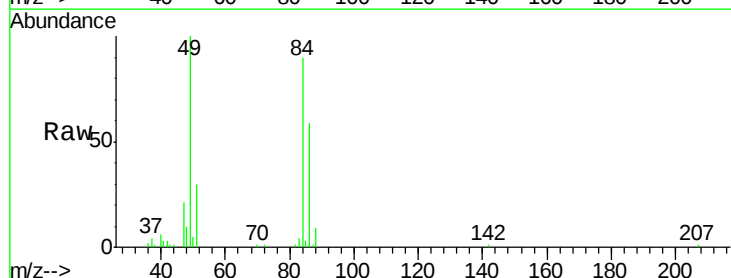
Manual Integrations
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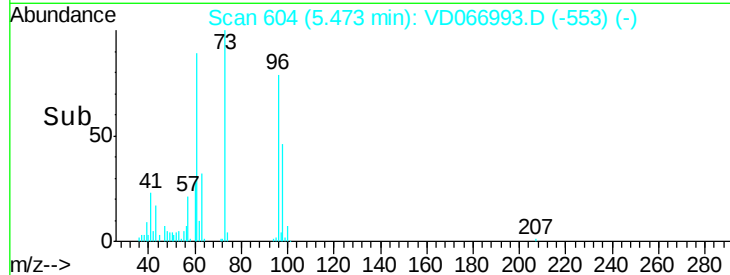
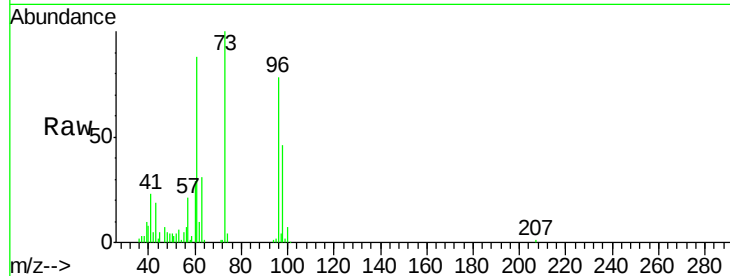
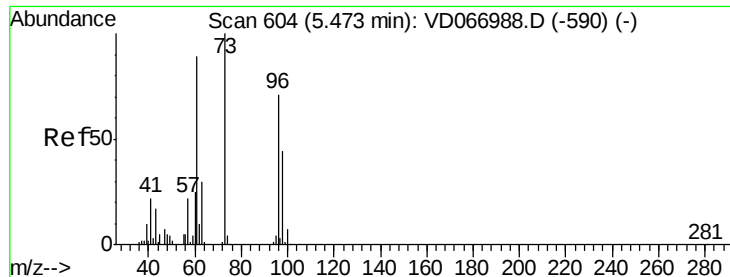
MMDadoda
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#20
Methylene Chloride
Concen: 23.103 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 84 Resp: 136918
Ion Ratio Lower Upper
84 100
49 111.0 88.2 132.2
51 33.0 26.6 39.8
86 65.3 52.1 78.1





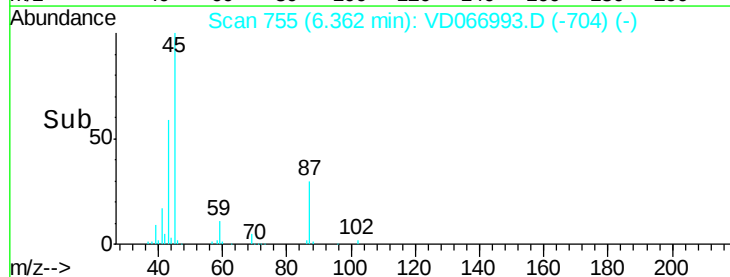
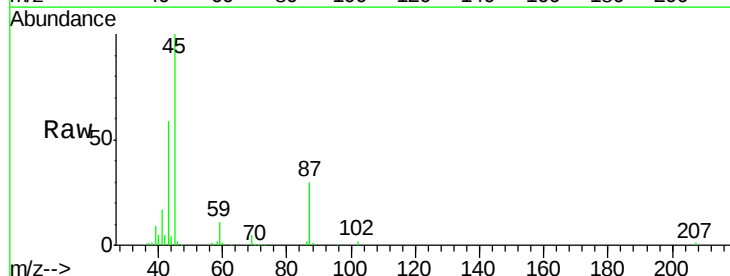
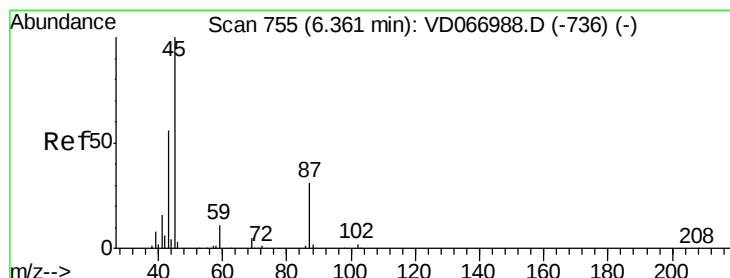
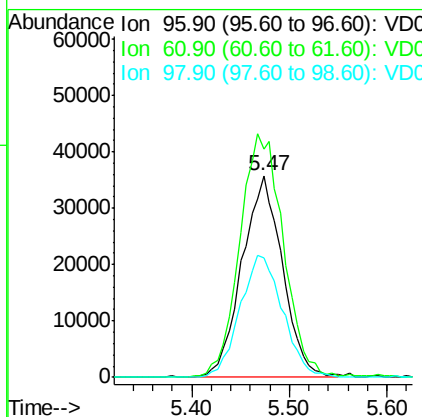
#21
trans-1,2-Dichloroethene
Concen: 19.912 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tot Ion	96	Resp	103757
Ion	Ratio	Lower	Upper
96	100		
61	113.5	99.6	149.4
98	59.0	49.4	74.2

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

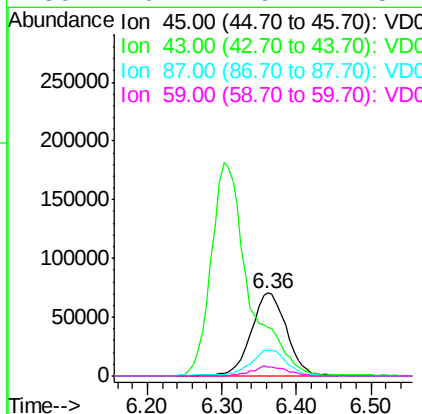
Manual Integrations
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10/2/2020 3:13:30 PM



#22
Diisopropyl ether
Concen: 21.489 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	45	Resp	233359
Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.2	67.8
87	30.2	25.6	38.4
59	10.7	9.1	13.7





#23

Vinyl Acetate

Concen: 103.121 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 43 Resp: 634559

Ion Ratio Lower Upper

43 100

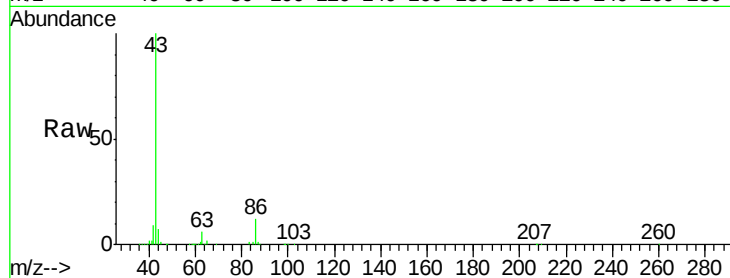
86 11.9 10.2 15.2

Manual Integrations

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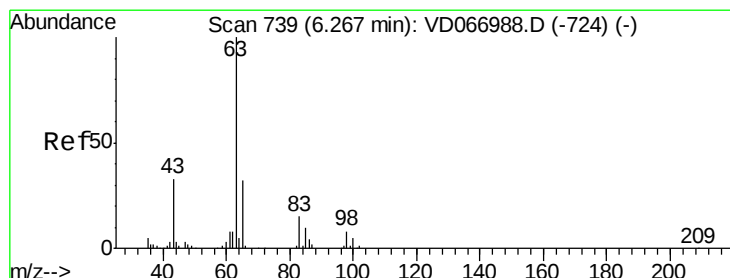
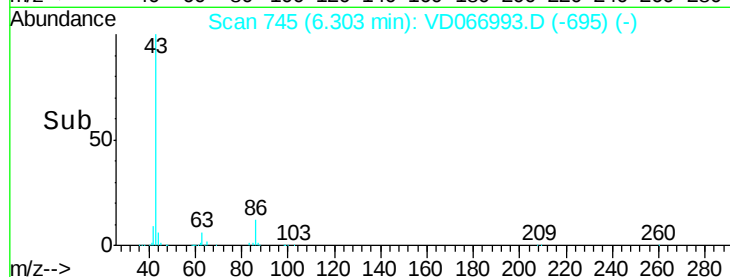
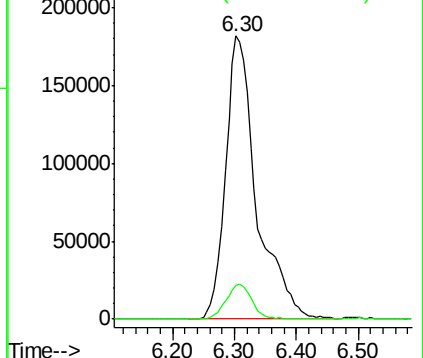
MMDadoda

10/2/2020 3:13:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.958 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

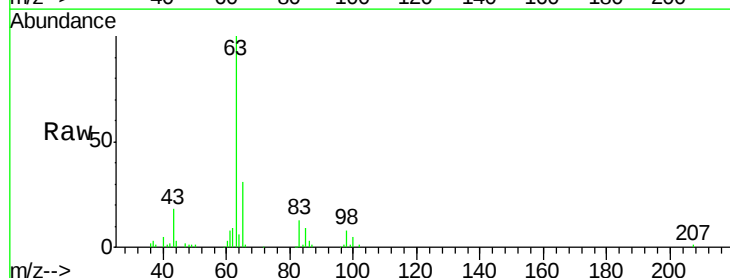
Tgt Ion: 63 Resp: 167264

Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

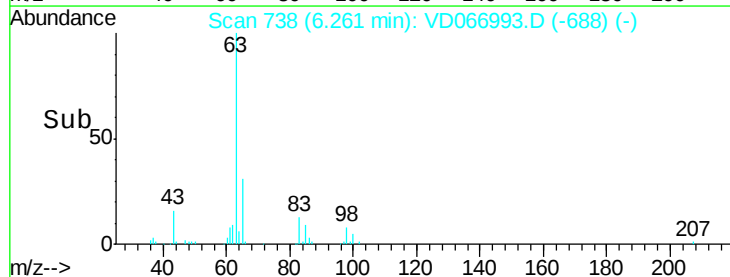
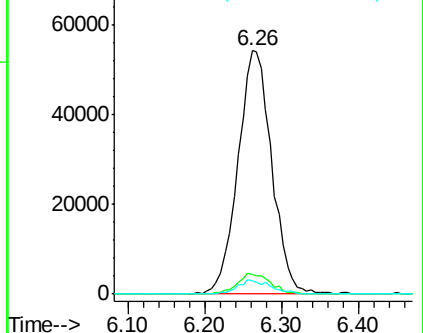
100 5.4 2.6 7.8

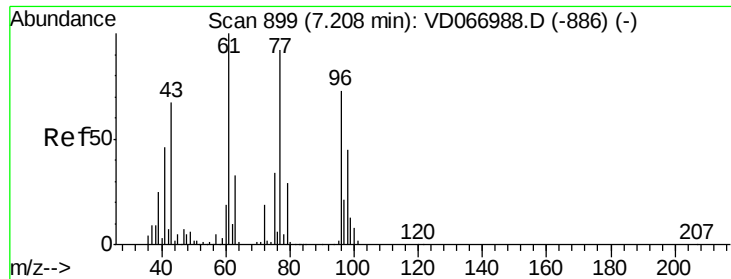


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





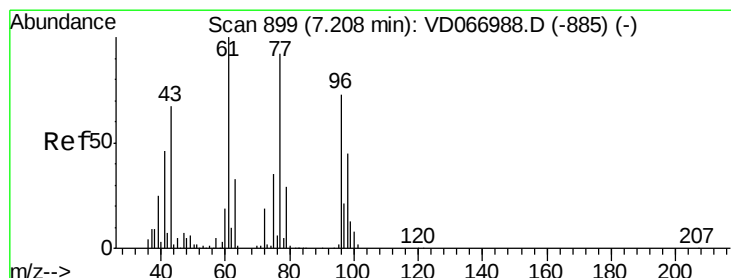
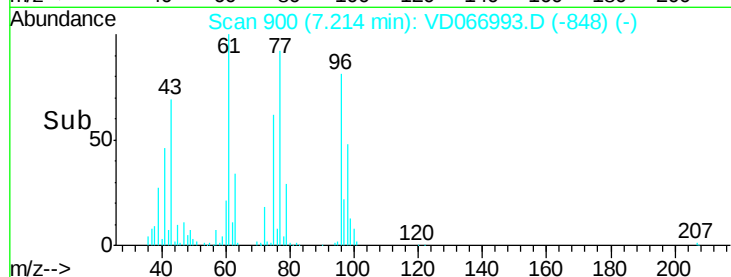
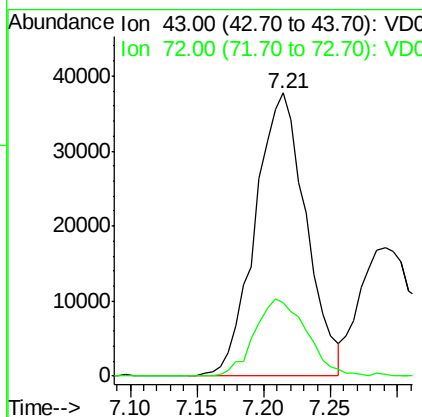
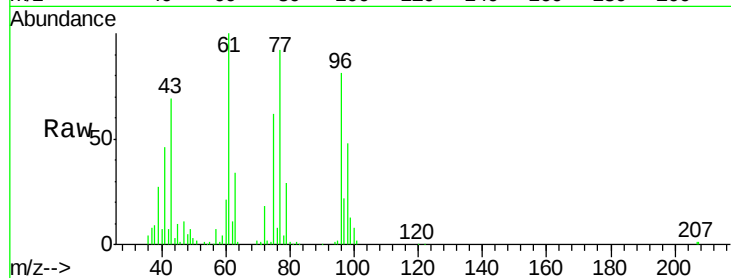
#25
2-Butanone
Concen: 98.687 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 43 Resp: 99923
Ion Ratio Lower Upper
43 100
72 25.8 22.8 34.2

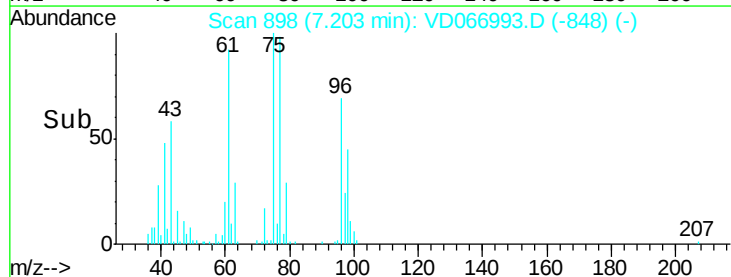
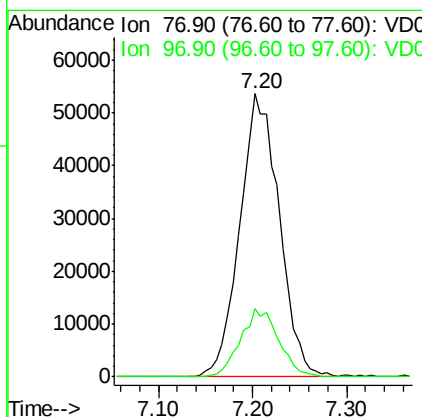
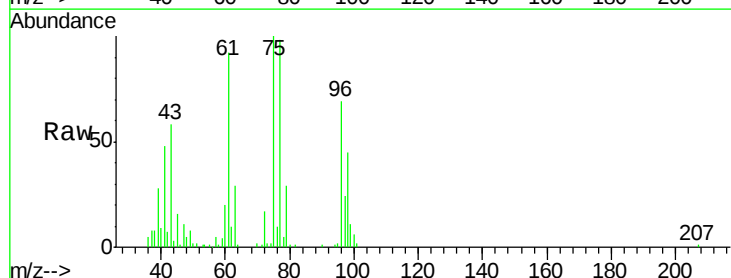
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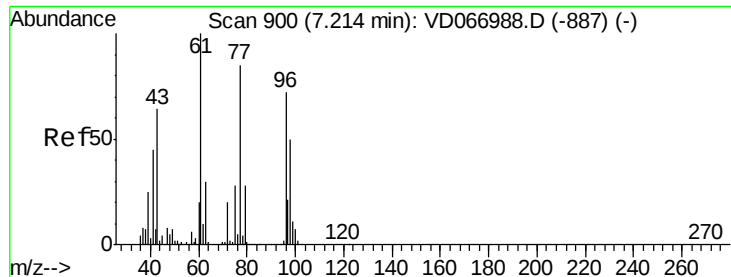
MMDadoda
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#26
2,2-Dichloropropane
Concen: 19.223 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 77 Resp: 155954
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.800 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

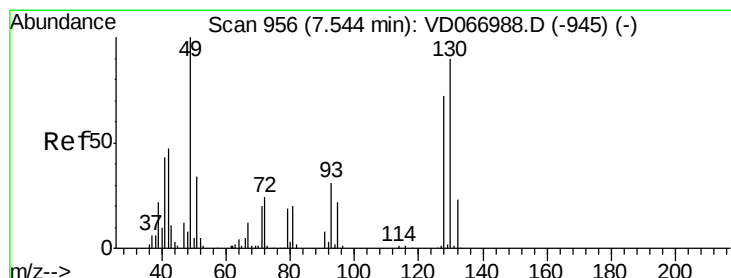
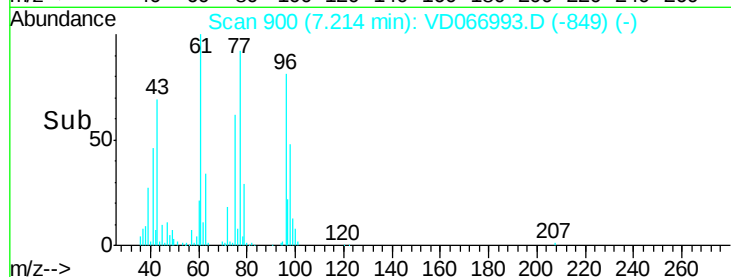
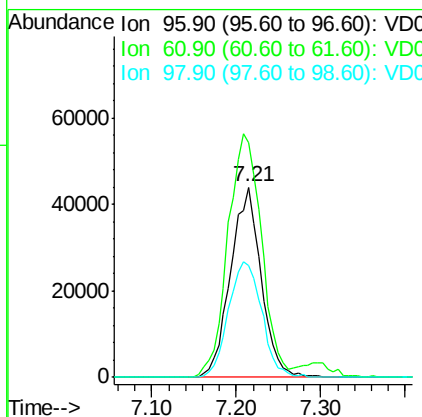
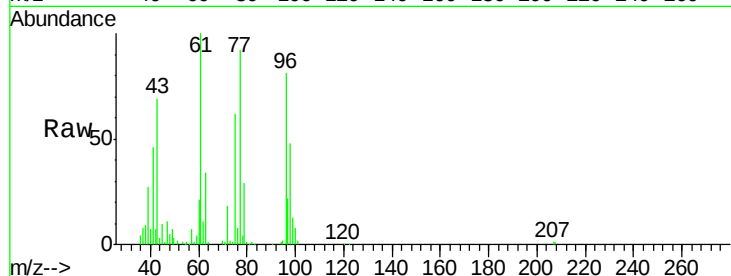
ClientSampleId :

VD1001SBS01

Tot Ion:	96	Resp:	110192
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	269.2
98	66.1	0.0	129.4

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#28

Bromochloromethane

Concen: 19.251 ug/l

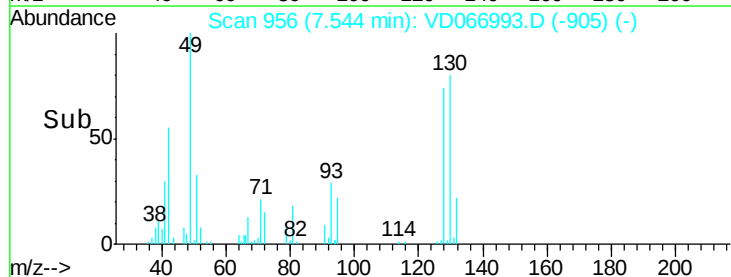
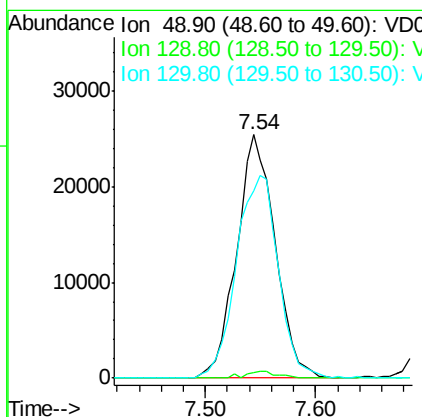
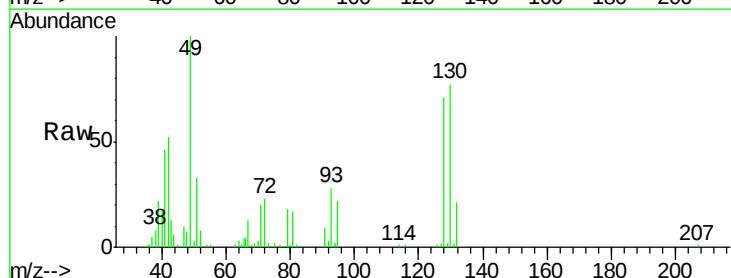
RT: 7.54 min Scan# 956

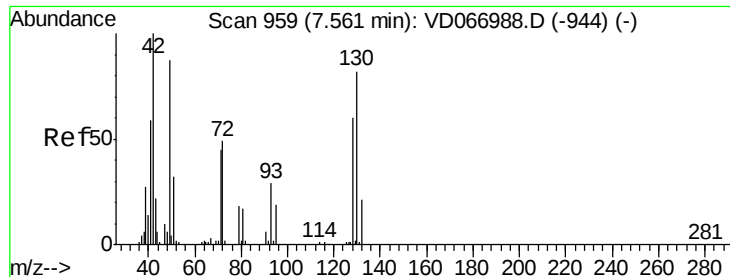
Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:	49	Resp:	62304
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	90.6	74.1	111.1





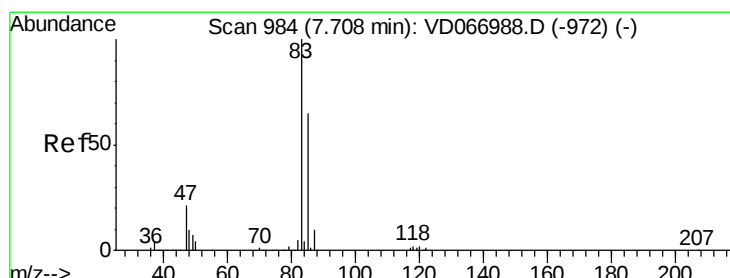
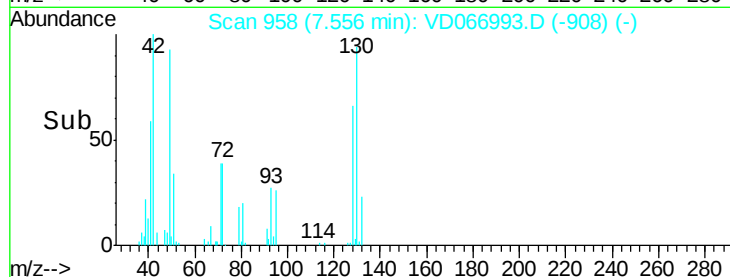
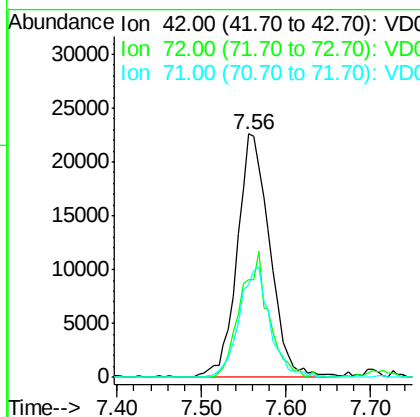
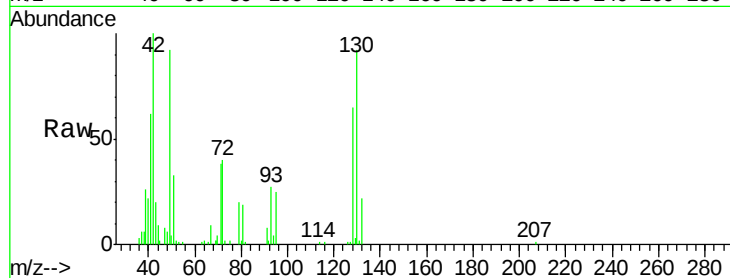
#29
Tetrahydrofuran
Concen: 103.525 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	39.1	58.7
71	42.9	34.2	51.4

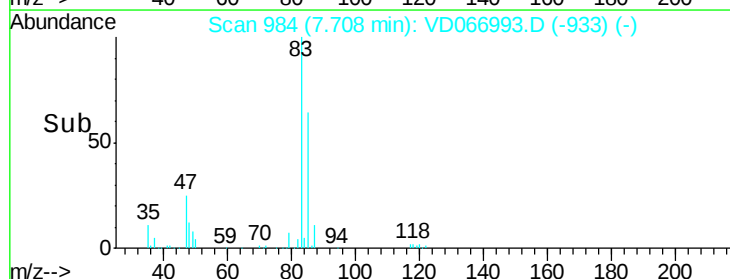
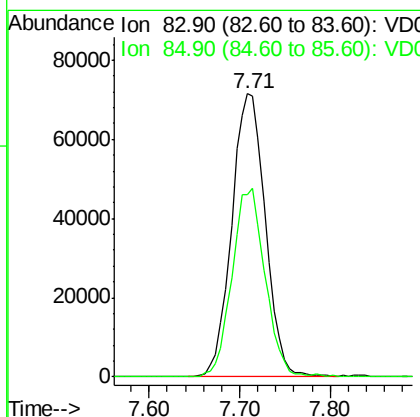
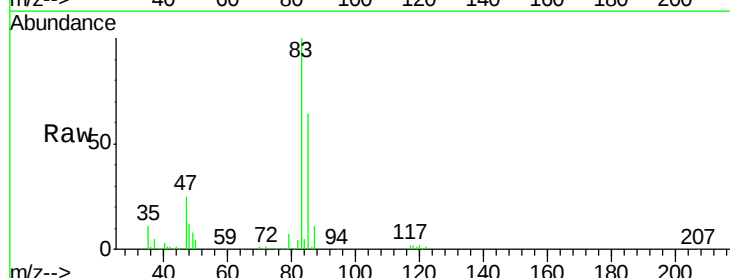
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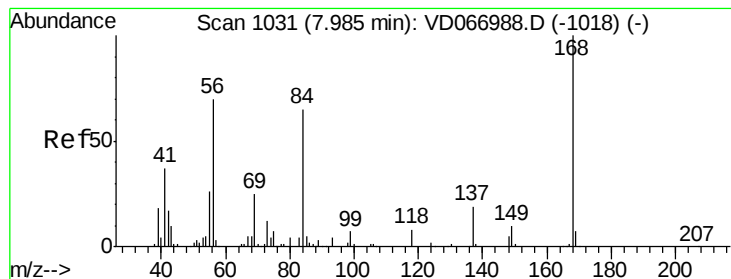
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#30
Chloroform
Concen: 20.262 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5





#31

Cyclohexane

Concen: 19.976 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 56 Resp: 140352

Ion Ratio Lower Upper

56 100

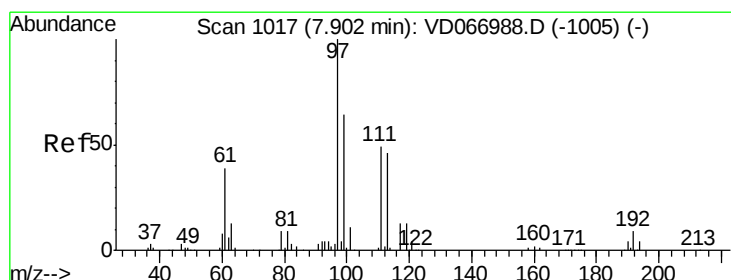
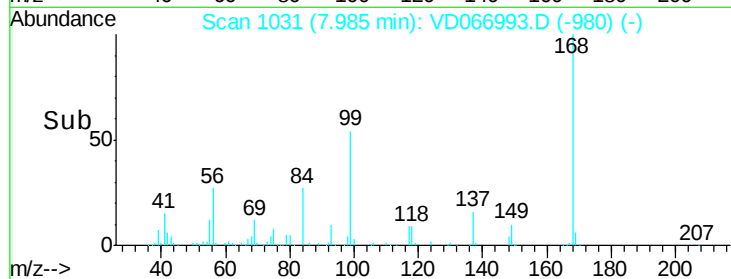
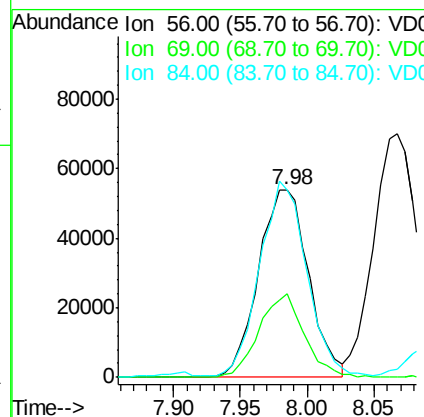
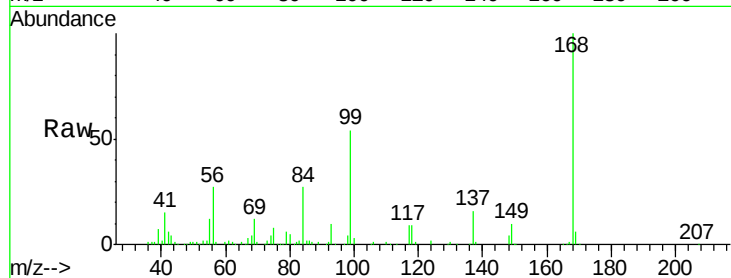
69 44.8 29.0 43.6#

84 98.6 74.2 111.2

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#32

1,1,1-Trichloroethane

Concen: 19.990 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

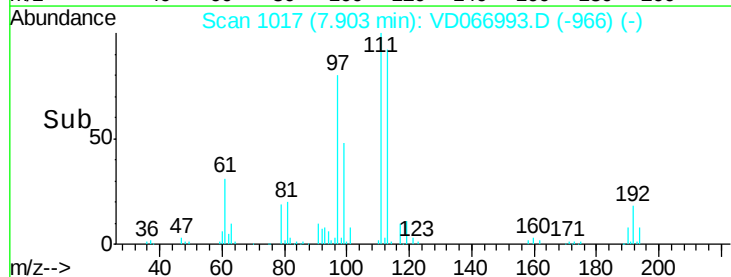
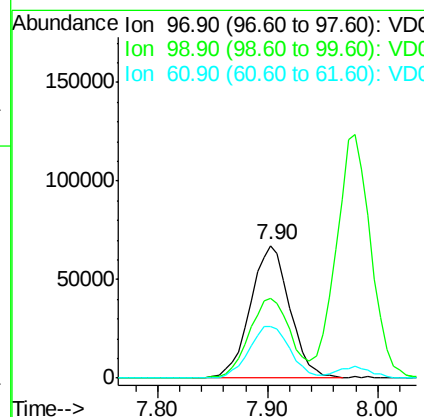
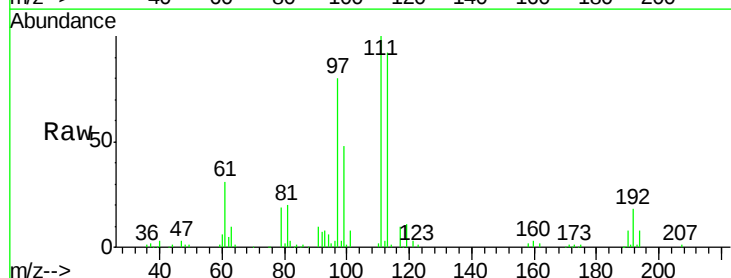
Tgt Ion: 97 Resp: 168424

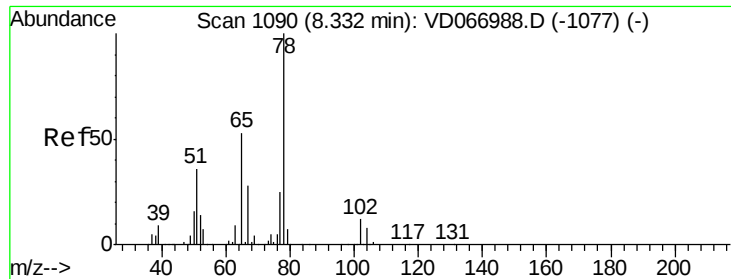
Ion Ratio Lower Upper

97 100

99 63.3 52.6 78.8

61 40.5 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 50.526 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 65 Resp: 236380

Ion Ratio Lower Upper

65 100

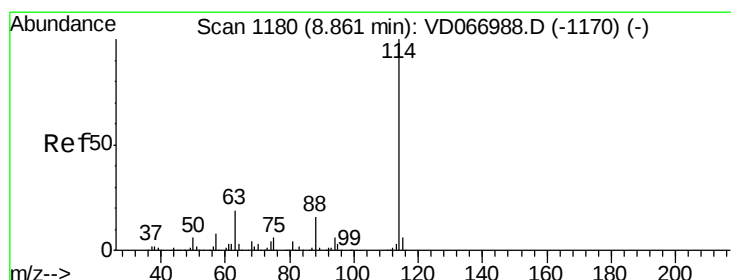
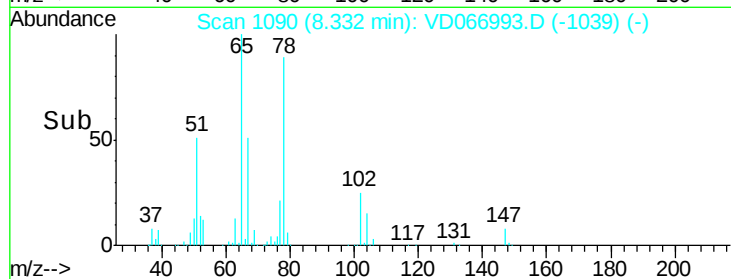
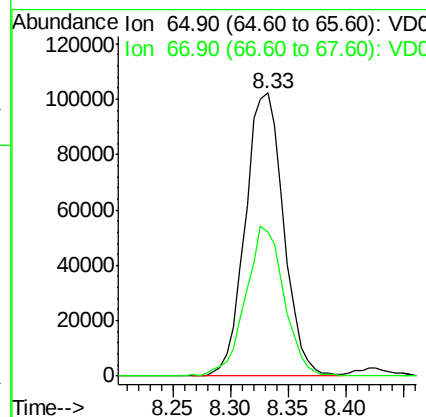
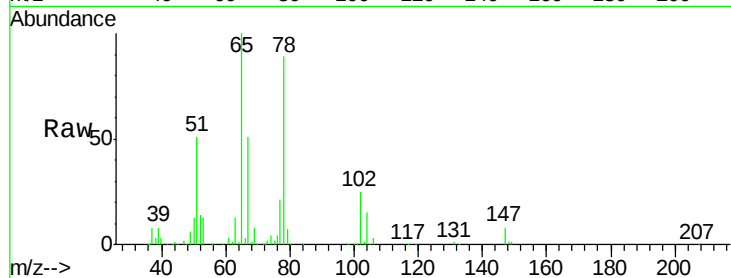
67 53.2 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

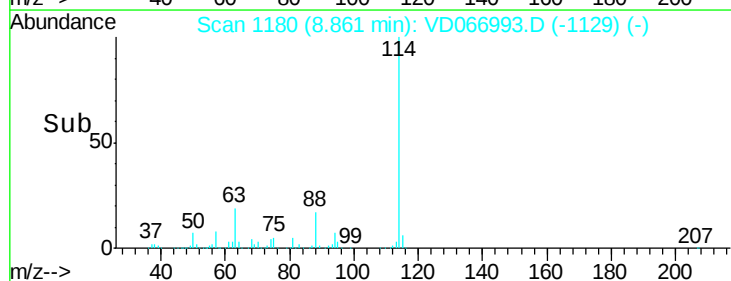
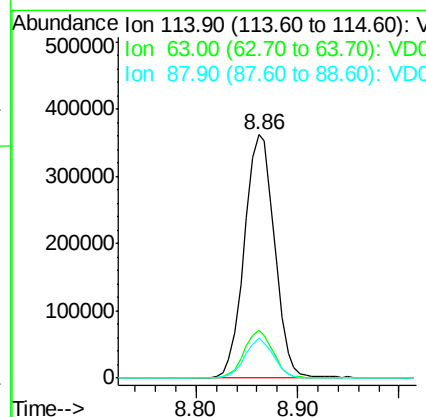
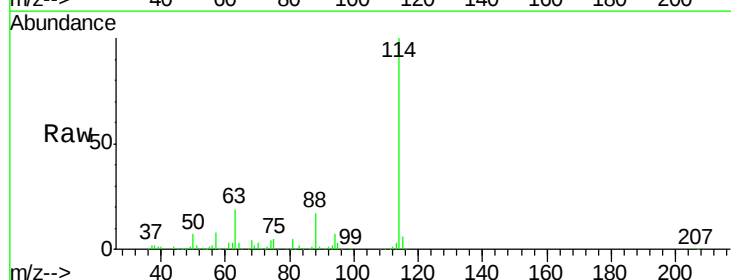
Tgt Ion: 114 Resp: 748592

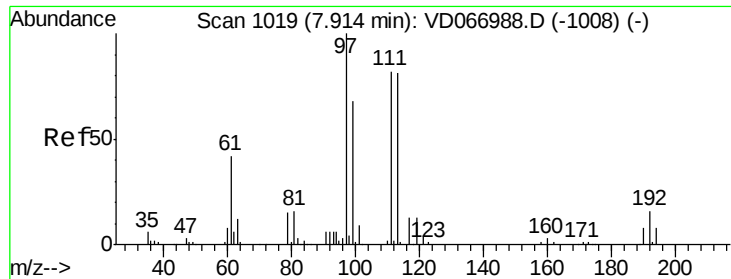
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

88 16.7 0.0 31.2





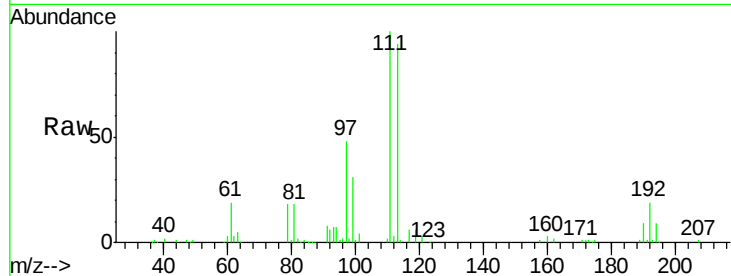
#35
 Dibromofluoromethane
 Concen: 50.503 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

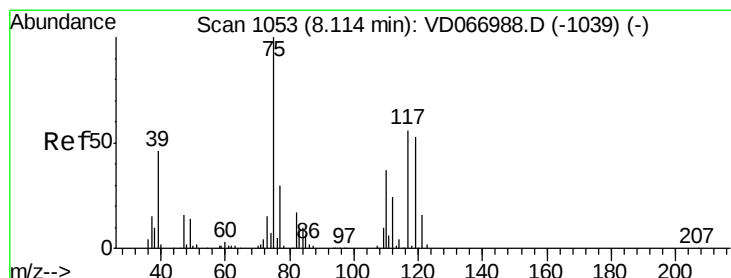
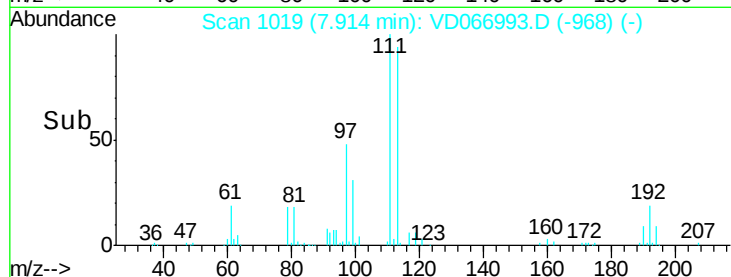
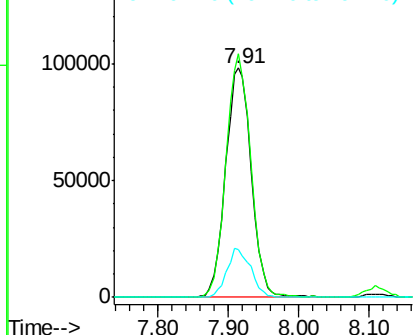
Tot Ion	Ratio	Resp	Lower	Upper
113	100	247509		
111	102.6	83.0	124.4	
192	20.0	15.5	23.3	

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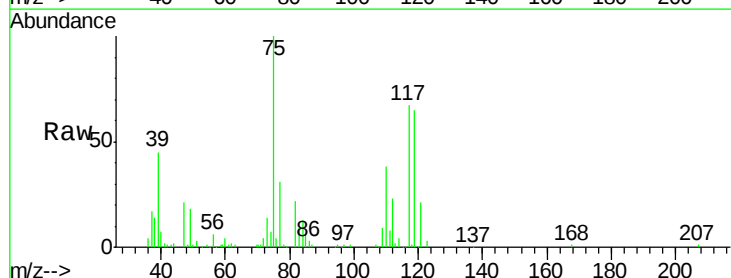


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

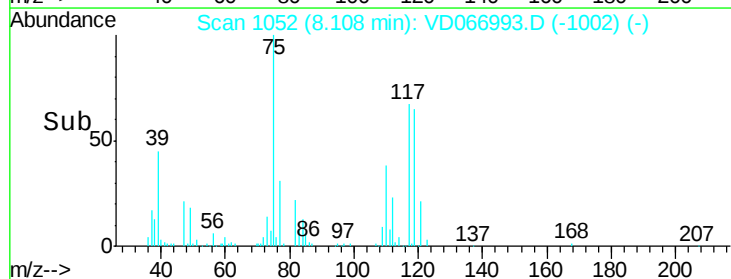
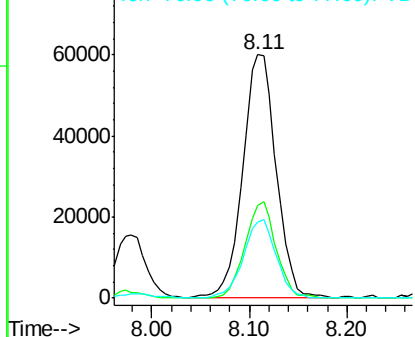


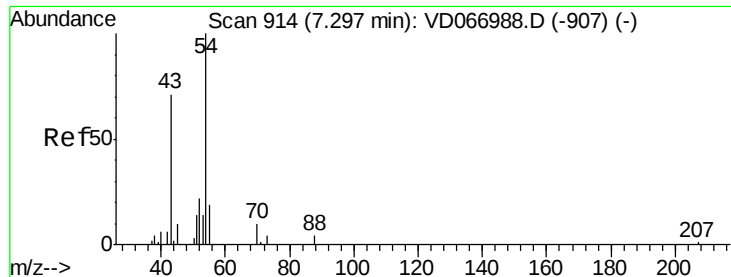
#36
 1,1-Dichloropropene
 Concen: 20.694 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144394		
110	36.8	18.4	55.0	
77	31.6	24.8	37.2	



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





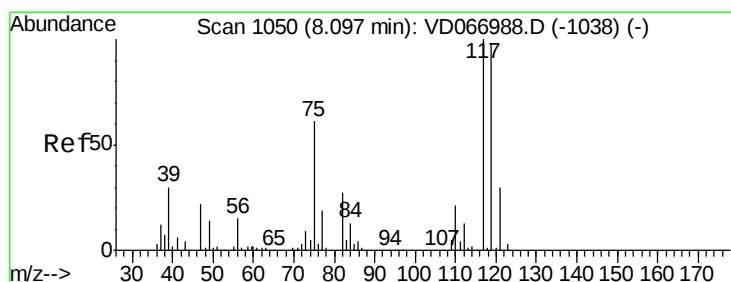
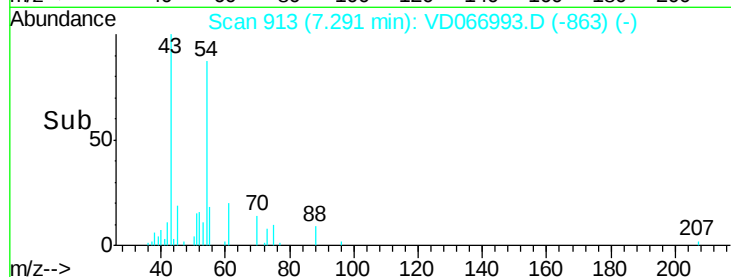
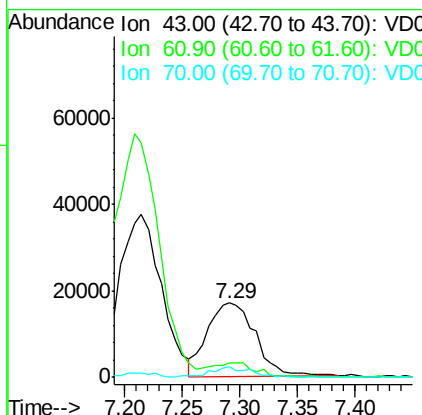
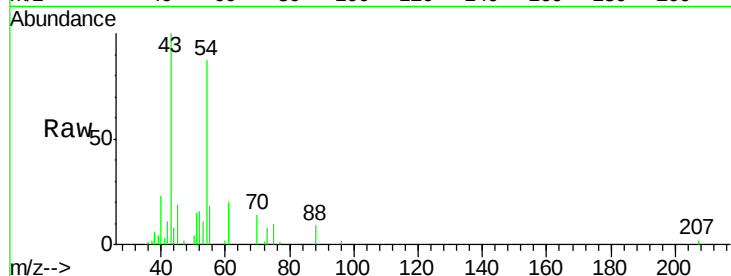
#37
Ethyl Acetate
Concen: 20.403 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	12.5	18.7
70	11.9	9.4	14.0

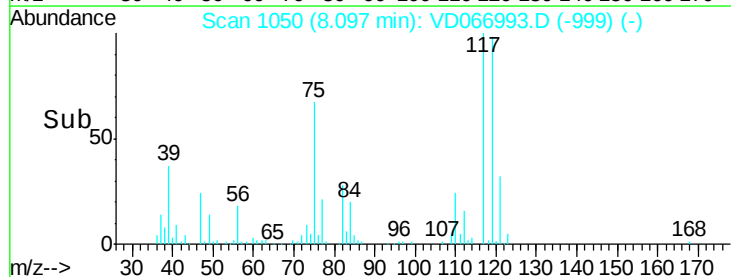
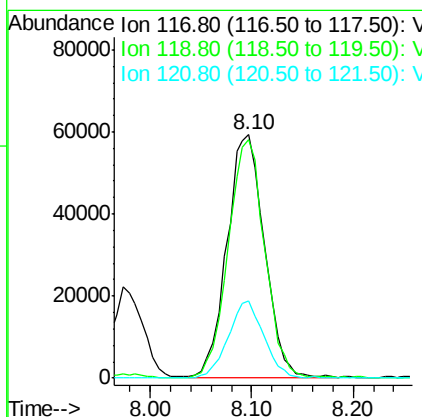
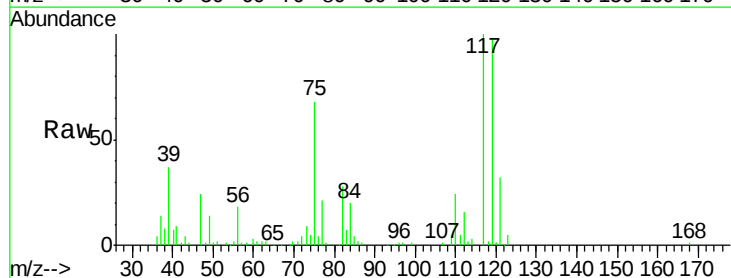
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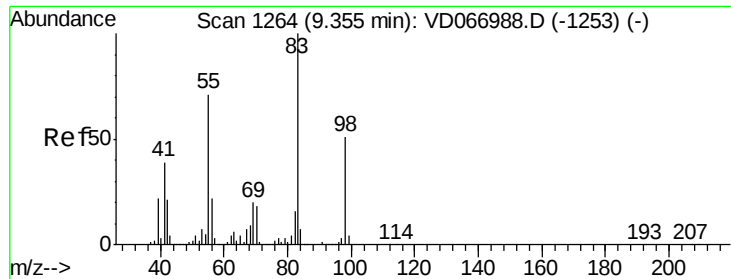
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#38
Carbon Tetrachloride
Concen: 20.207 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.7	118.1
121	31.6	24.2	36.2





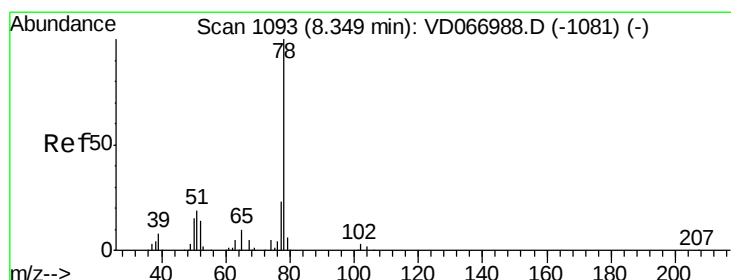
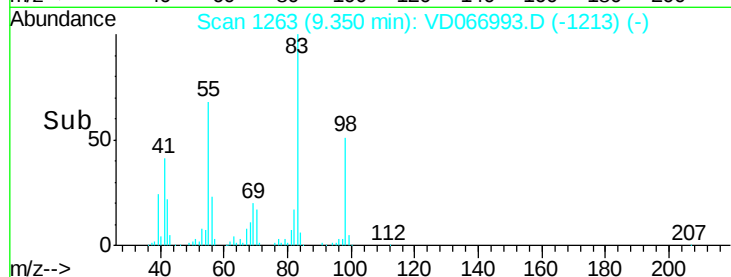
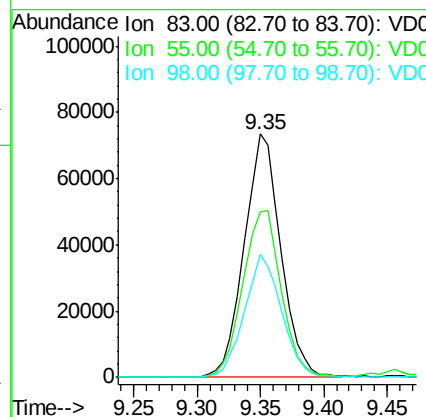
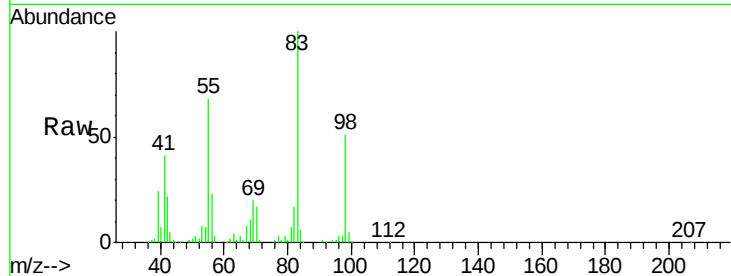
#39
Methvlcvclohexane
Concen: 19.989 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	57.1	85.7
98	50.7	40.9	61.3

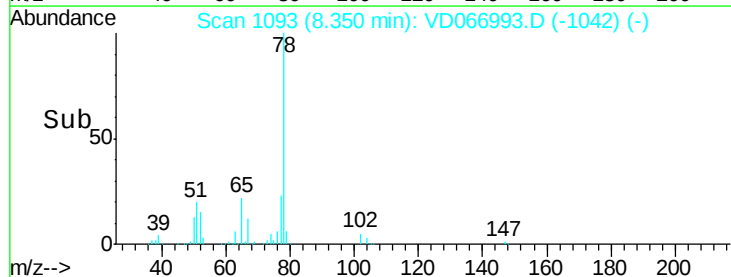
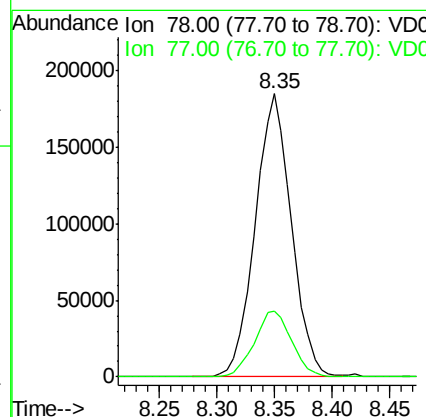
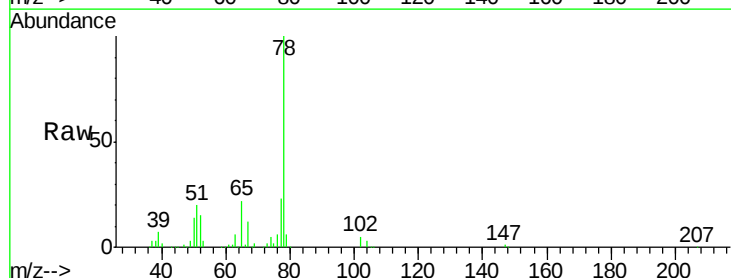
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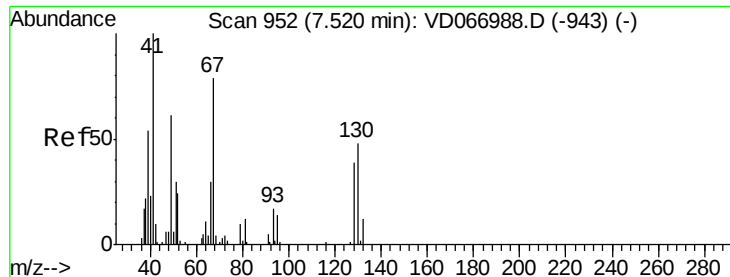
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#40
Benzene
Concen: 20.790 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6





#41

Methacrylonitrile

Concen: 15.666 ug/l m

RT: 7.51 min Scan# 951

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 41 Resp: 20458

Ion Ratio Lower Upper

41 100

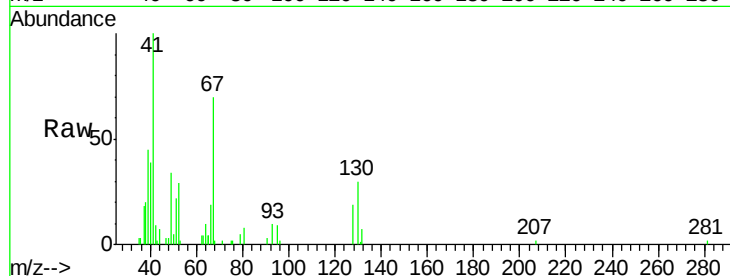
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

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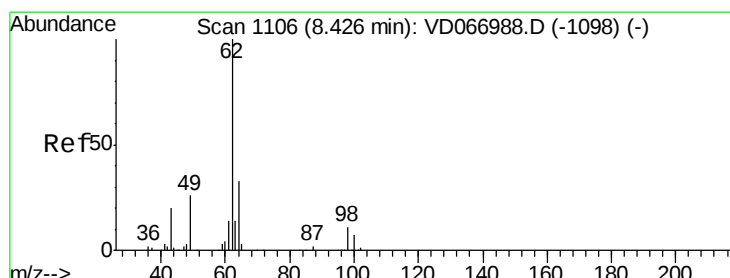
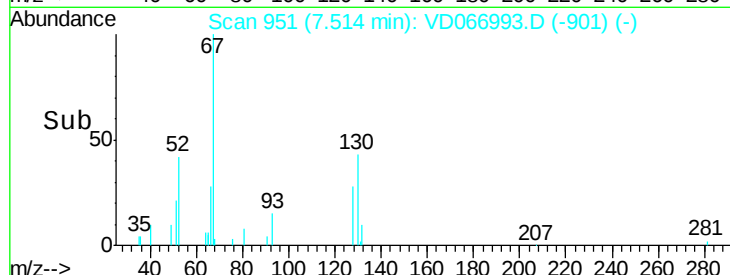
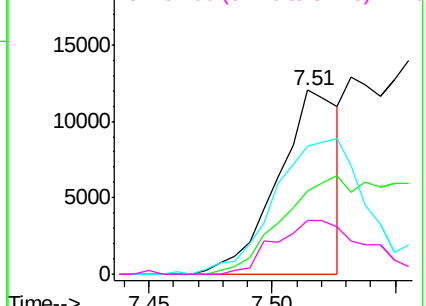


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.474 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066993.D

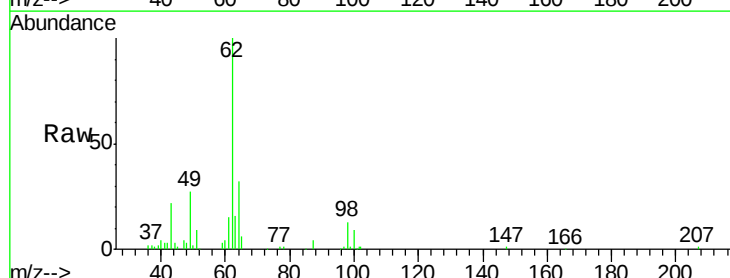
Acq: 01 Oct 2020 15:30

Tgt Ion: 62 Resp: 110881

Ion Ratio Lower Upper

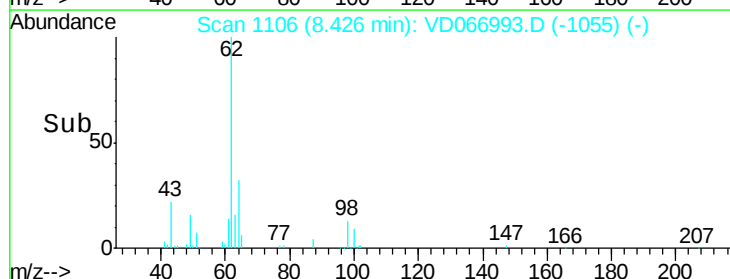
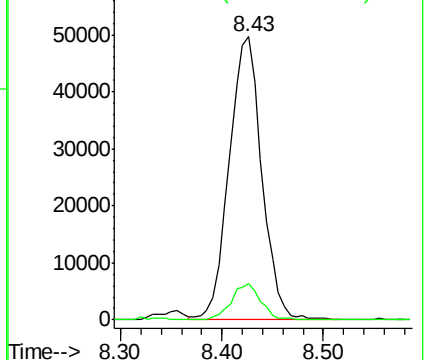
62 100

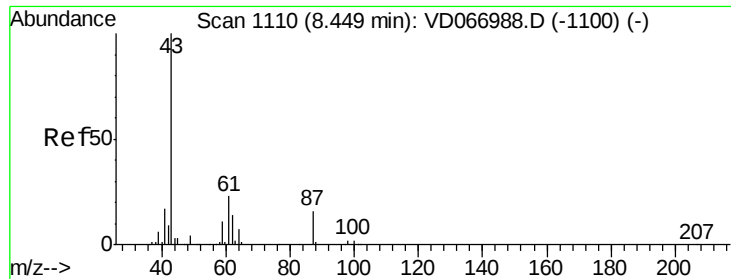
98 11.5 0.0 22.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.192 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

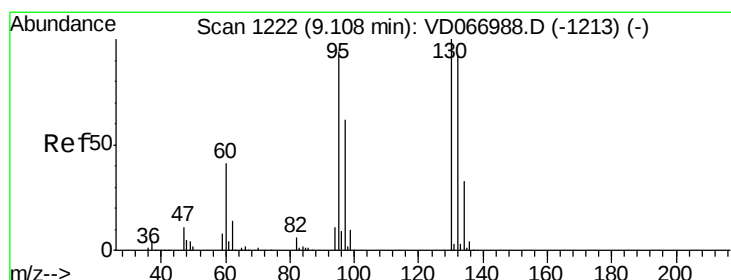
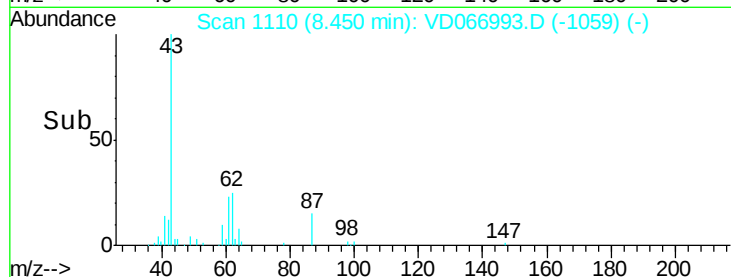
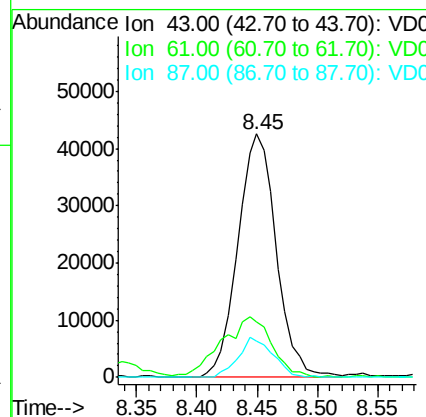
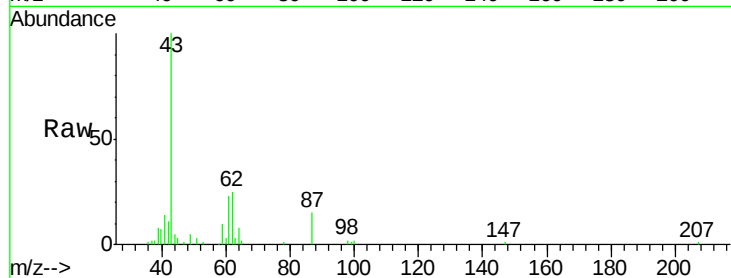
ClientSampleId :

VD1001SBS01

Tot Ion:	43	Resp:	94372
Ion	Ratio	Lower	Upper
43	100		
61	32.4	27.1	40.7
87	15.0	12.3	18.5

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#44

Trichloroethene

Concen: 20.139 ug/l

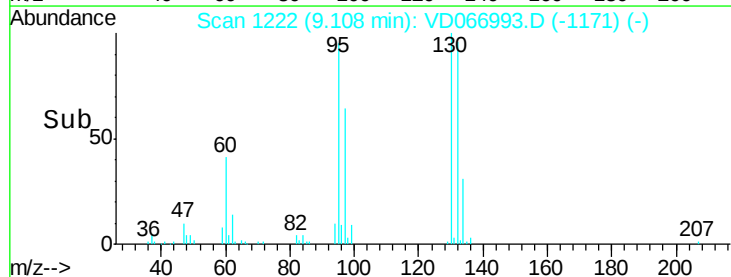
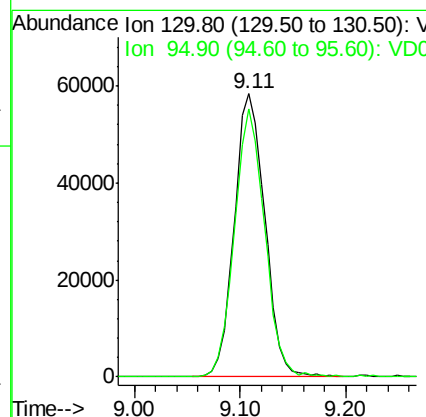
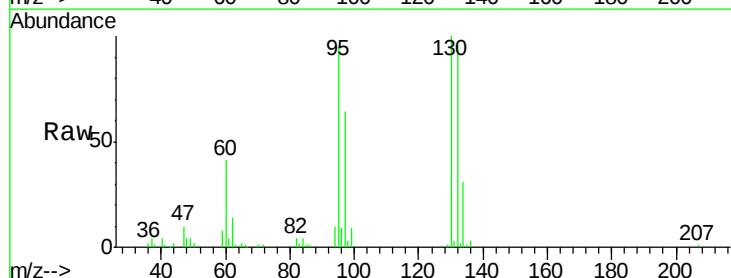
RT: 9.11 min Scan# 1222

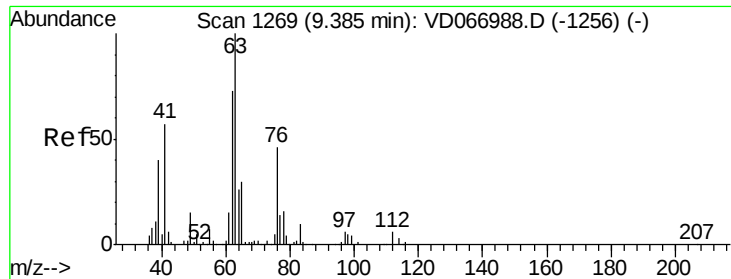
Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:	130	Resp:	116554
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	187.8





#45

1,2-Dichloropropane

Concen: 21.587 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 63 Resp: 98301

Ion Ratio Lower Upper

63 100

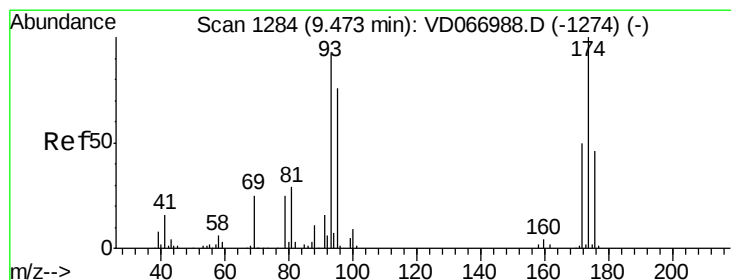
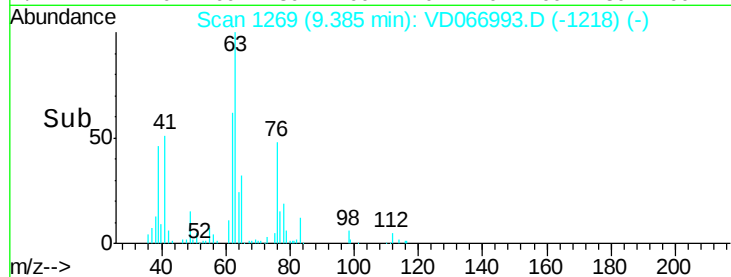
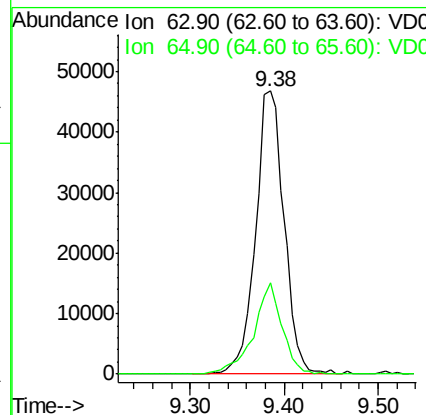
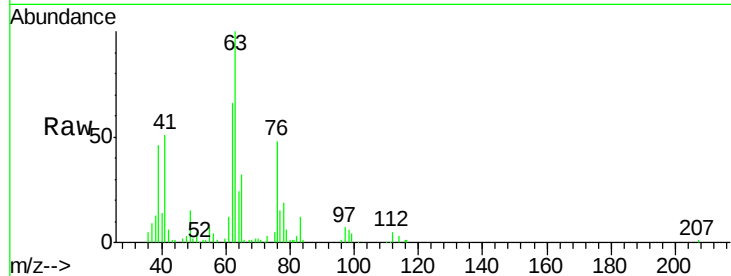
65 32.2 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.703 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

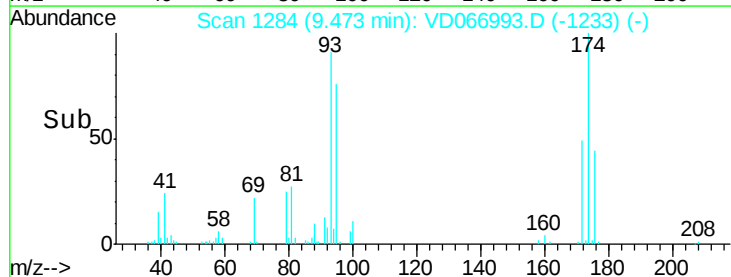
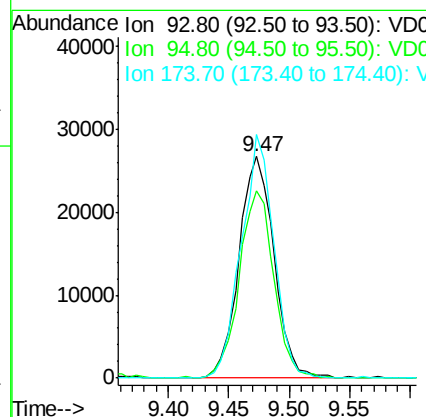
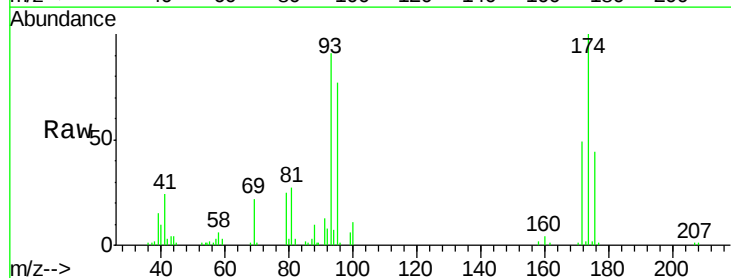
Tgt Ion: 93 Resp: 54185

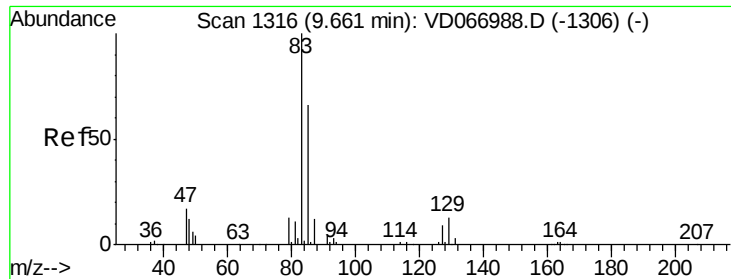
Ion Ratio Lower Upper

93 100

95 83.4 64.7 97.1

174 102.2 81.4 122.2





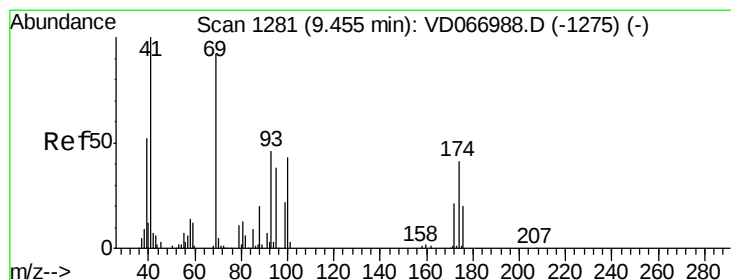
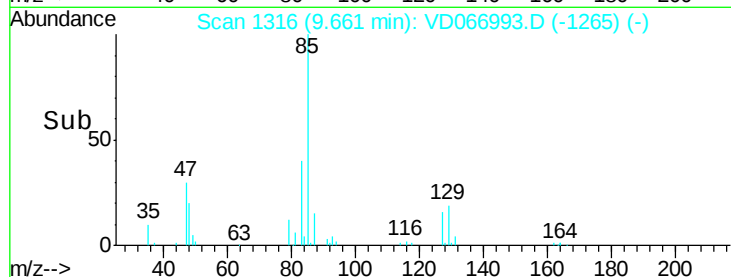
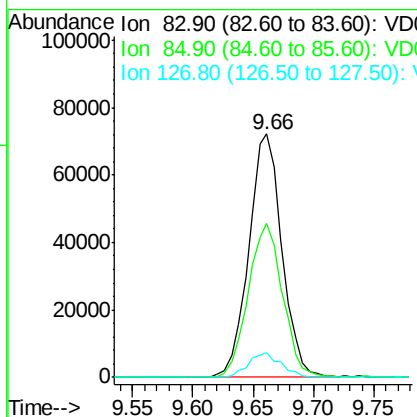
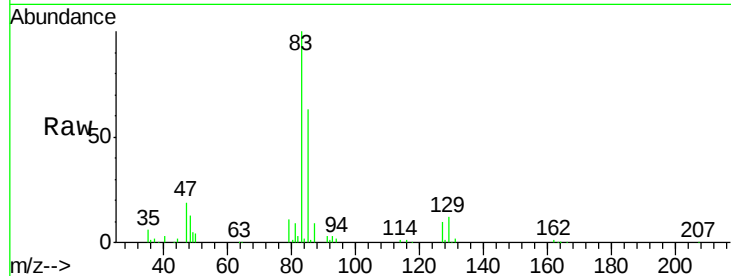
#47
Bromodichloromethane
Concen: 20.265 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.0	52.9	79.3	
127	10.2	7.3	10.9	

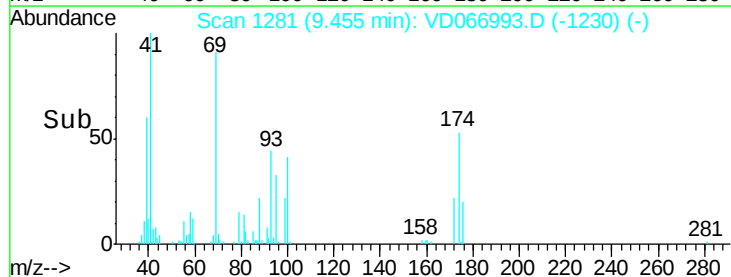
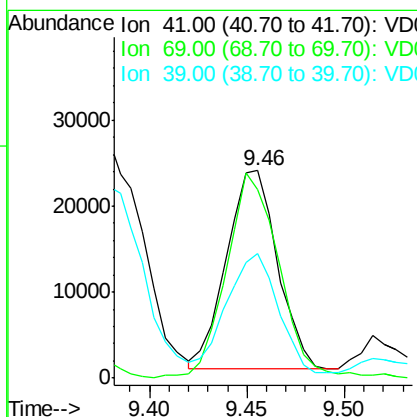
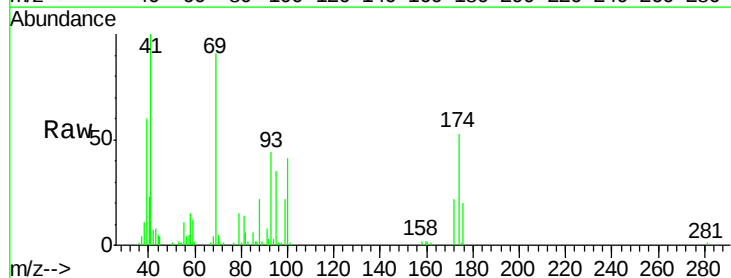
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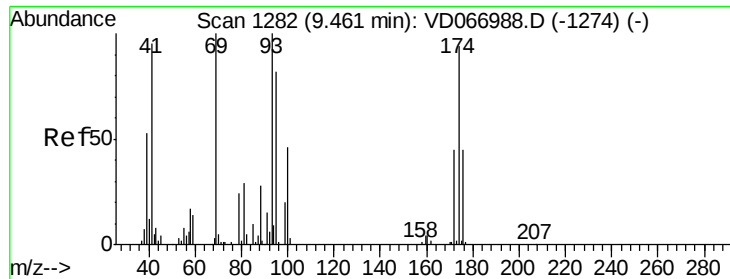
MMDadoda
10/2/2020 3:13:30 PM



#48
Methyl methacrylate
Concen: 18.279 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	107.8	68.5	102.7#	
39	66.7	40.2	60.2#	





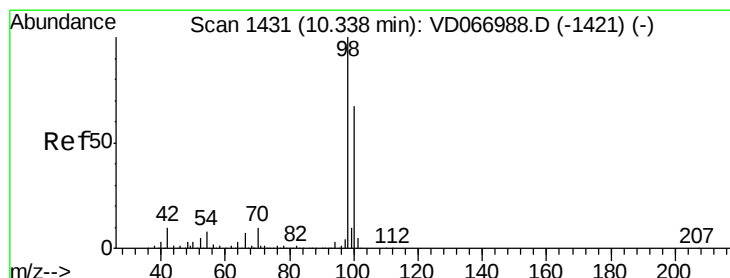
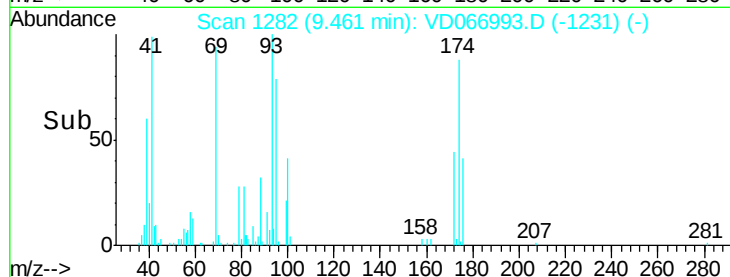
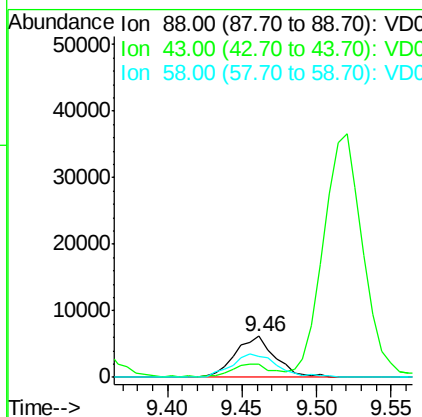
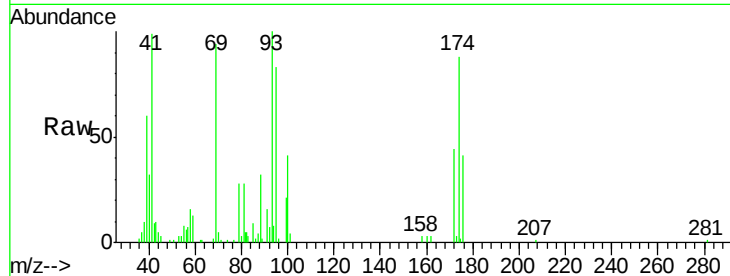
#49
1,4-Dioxane
Concen: 420.959 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	25.6	38.4
58	65.1	53.5	80.3

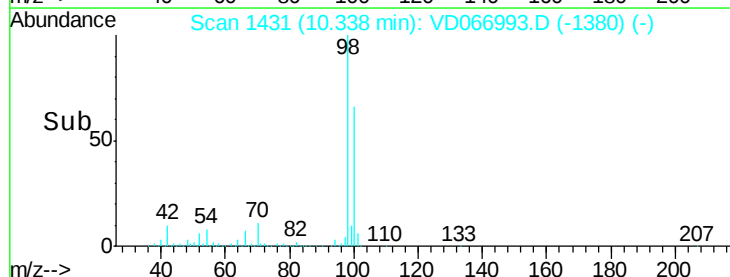
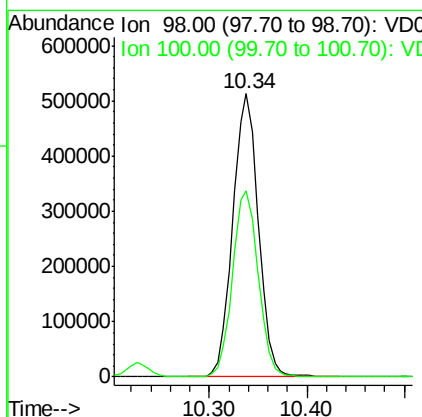
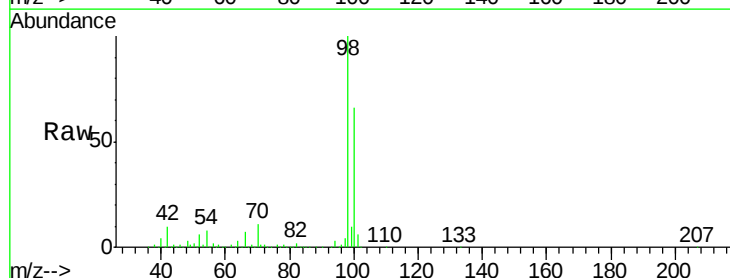
Manual Integrations
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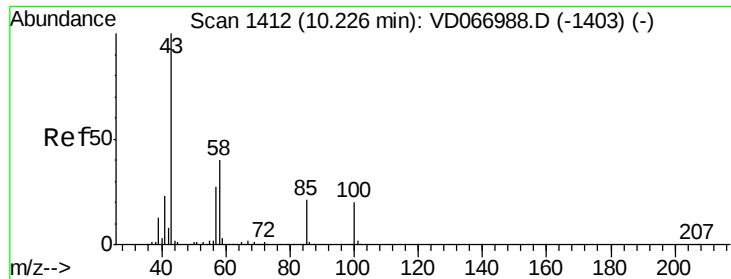
MMDadoda
10/2/2020 3:13:30 PM



#50
Toluene-d8
Concen: 52.142 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 105.580 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 43 Resp: 234186

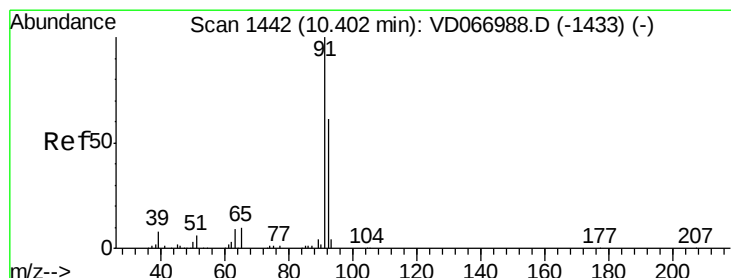
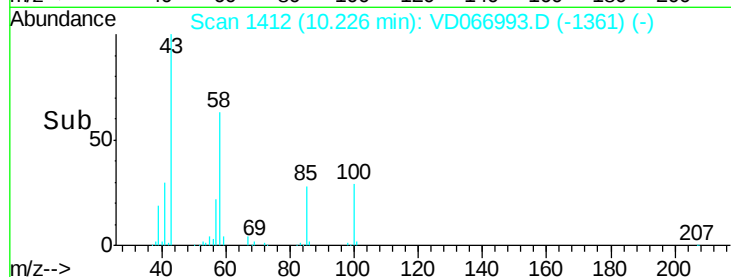
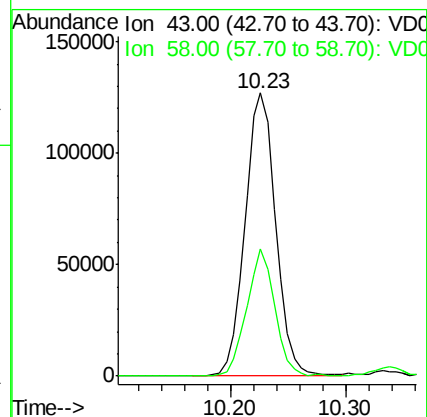
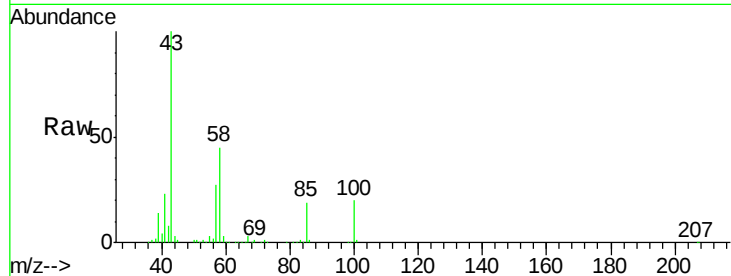
Ion Ratio Lower Upper

43 100

58 41.2 33.8 50.8

Manual Integrations
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#52

Toluene

Concen: 21.380 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066993.D

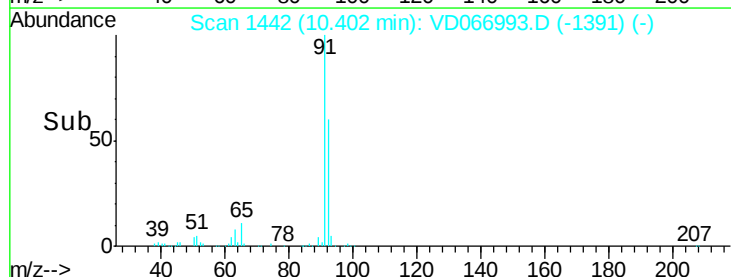
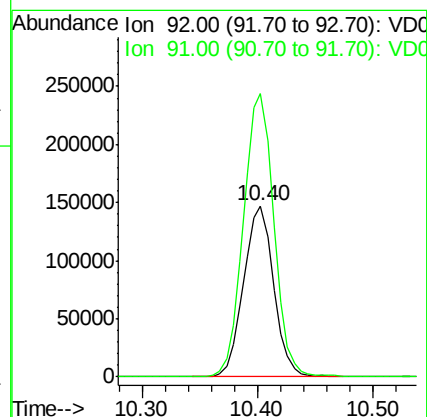
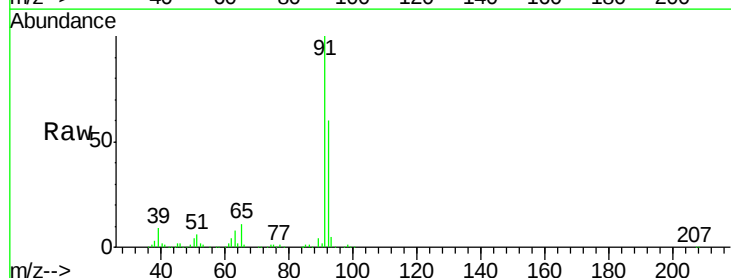
Acq: 01 Oct 2020 15:30

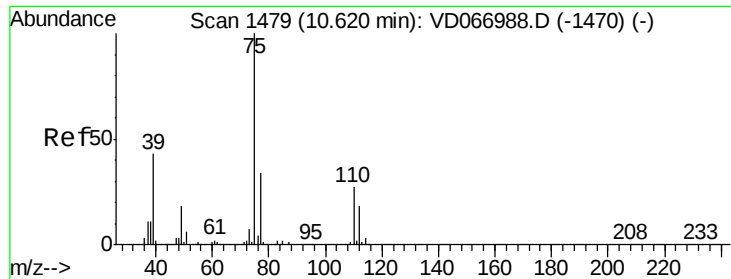
Tgt Ion: 92 Resp: 266918

Ion Ratio Lower Upper

92 100

91 167.7 135.1 202.7





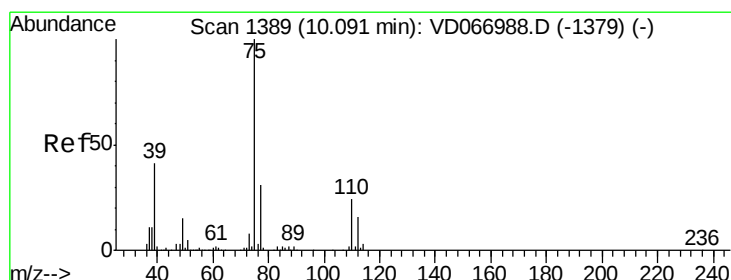
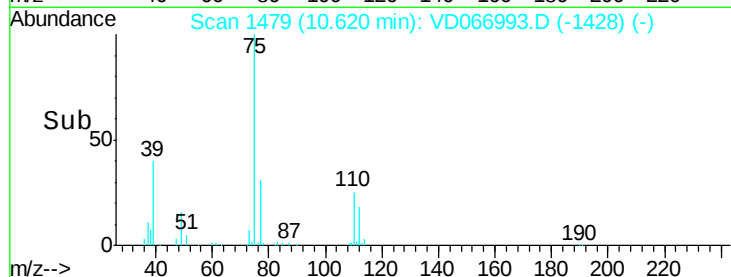
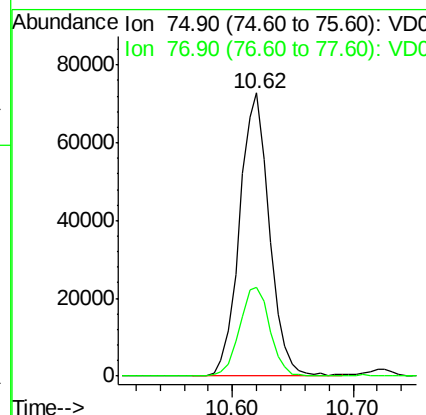
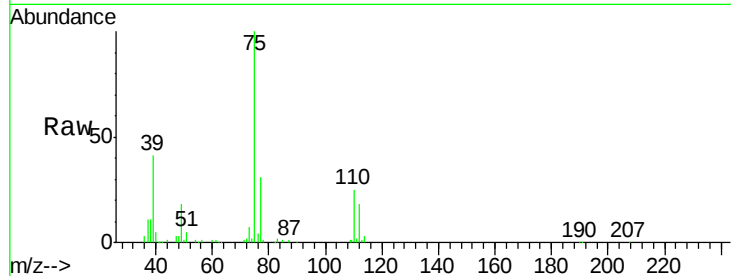
#53
t-1,3-Dichloropropene
Concen: 20.673 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 75 Resp: 125702
Ion Ratio Lower Upper
75 100
77 31.4 27.1 40.7

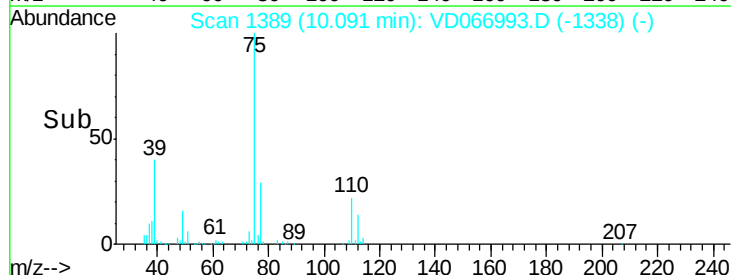
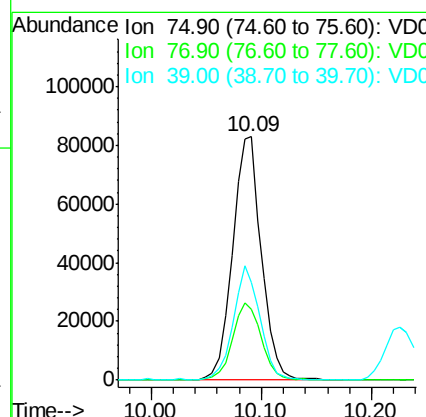
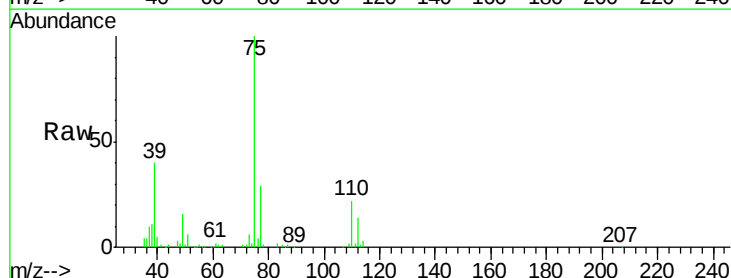
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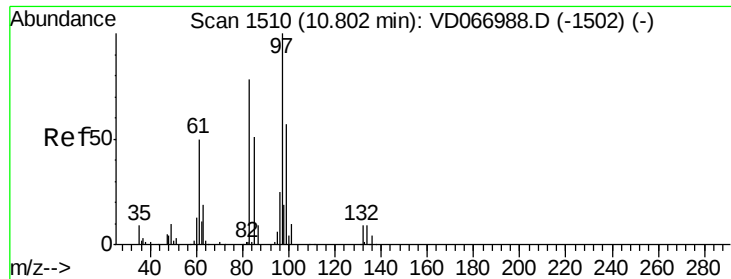
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#54
cis-1,3-Dichloropropene
Concen: 20.378 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 75 Resp: 151308
Ion Ratio Lower Upper
75 100
77 29.0 24.6 37.0
39 39.9 33.0 49.4





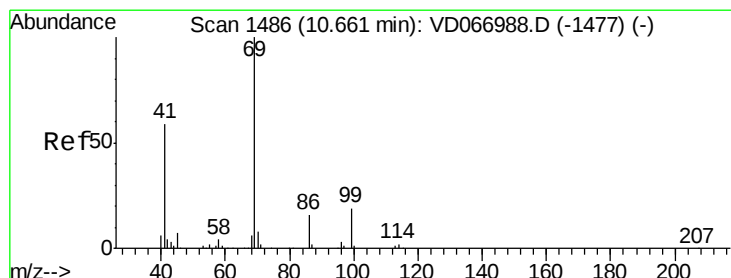
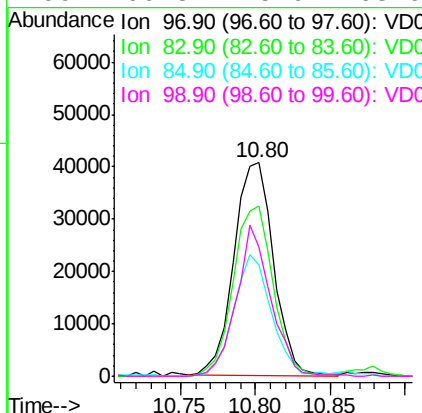
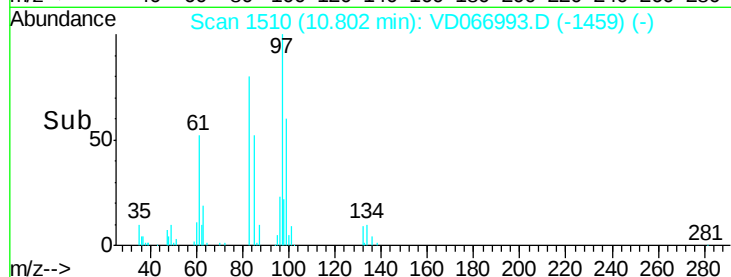
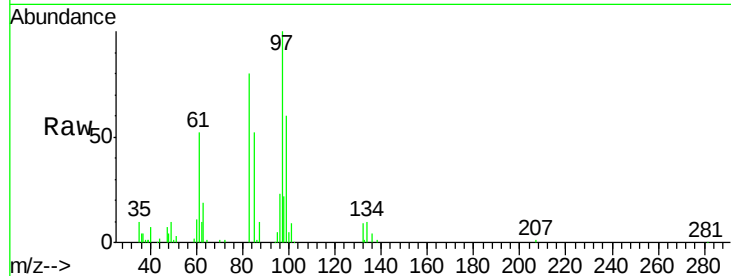
#55
 1,1,2-Trichloroethane
 Concen: 20.549 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		74773		
83	80.2	62.4	93.6		
85	52.6	41.0	61.4		
99	60.8	45.9	68.9		

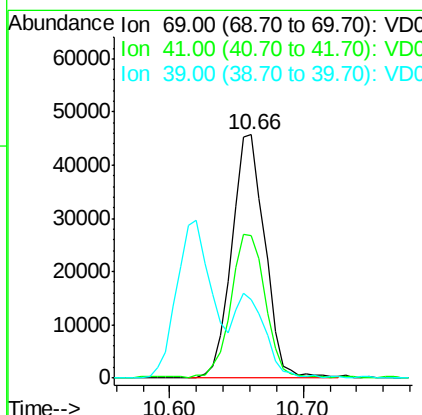
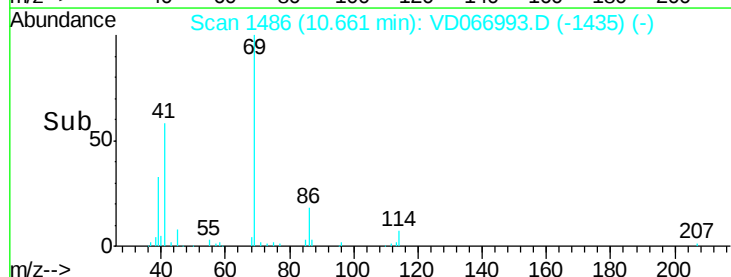
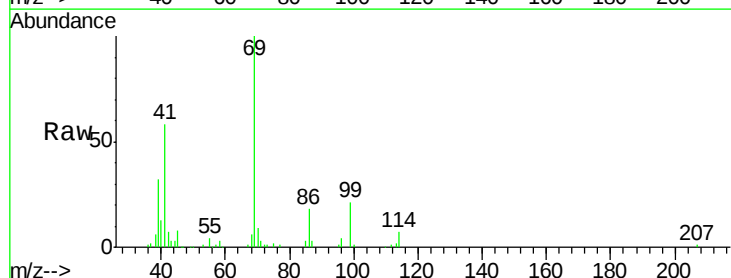
Manual Integrations
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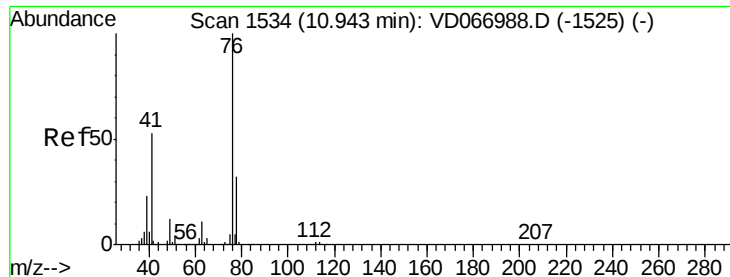
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 10/2/2020 3:13:30 PM



#56
 Ethyl methacrylate
 Concen: 21.036 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		79031		
41	61.6	46.4	69.6		
39	30.3	23.8	35.6		





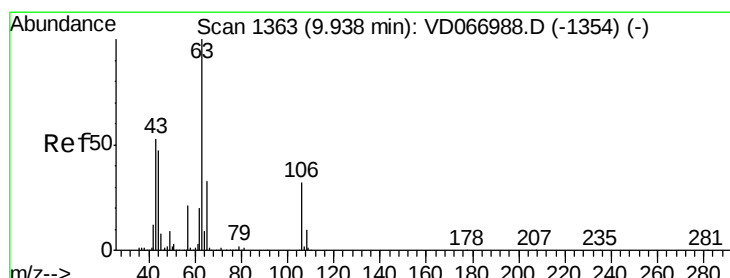
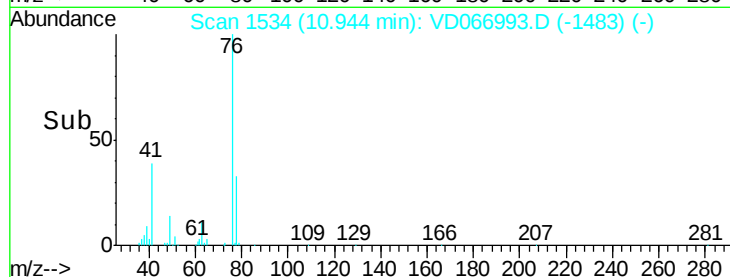
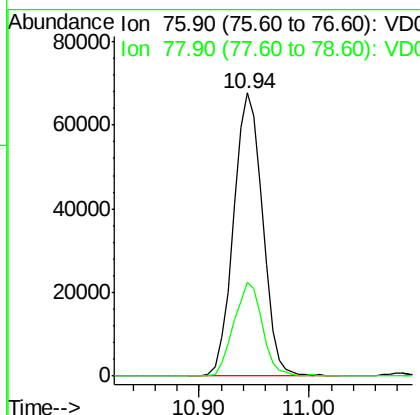
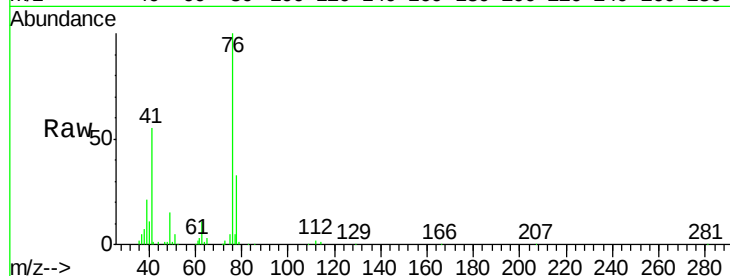
#57
 1,3-Dichloropropane
 Concen: 21.190 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion: 76 Resp: 125040
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

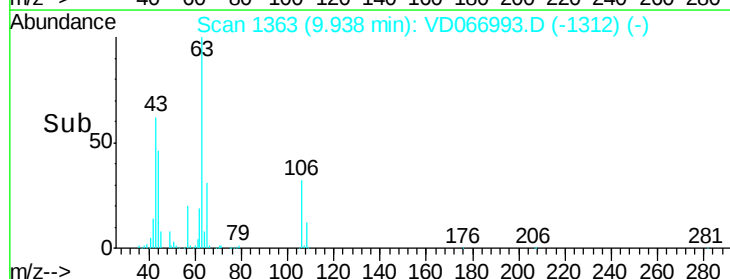
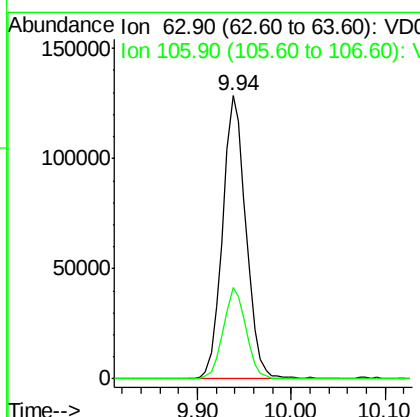
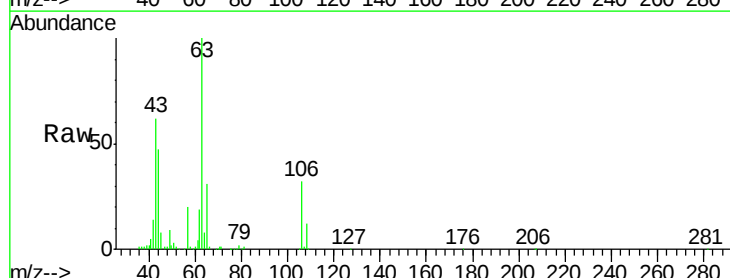
Manual Integrations
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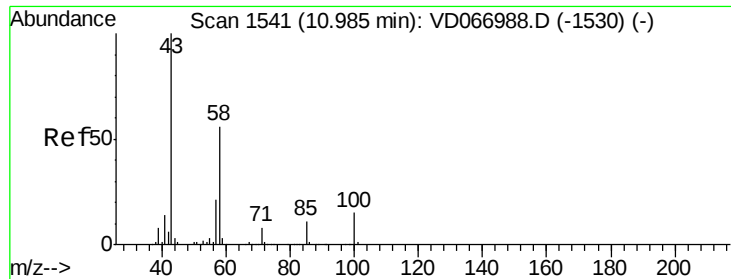
MMDadoda
 10/2/2020 3:13:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.343 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion: 63 Resp: 222365
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.3 37.9





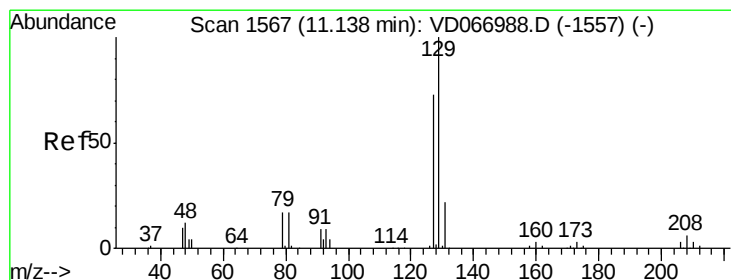
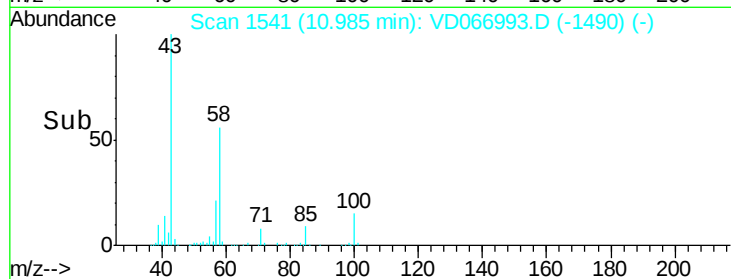
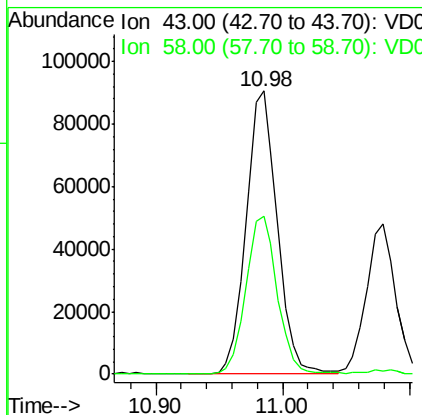
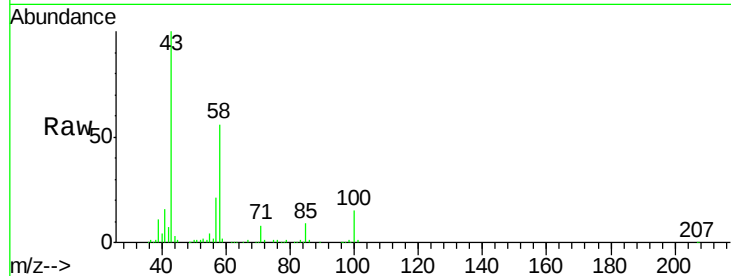
#59
2-Hexanone
Concen: 104.778 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 43 Resp: 155118
Ion Ratio Lower Upper
43 100
58 56.2 28.3 84.9

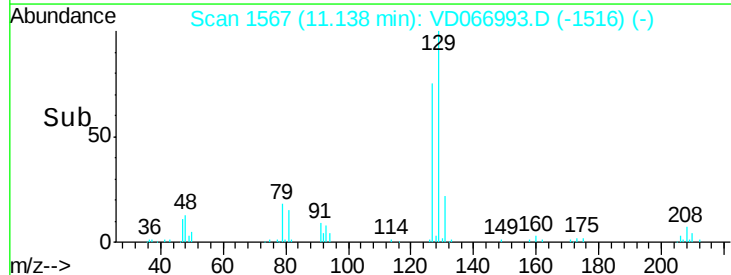
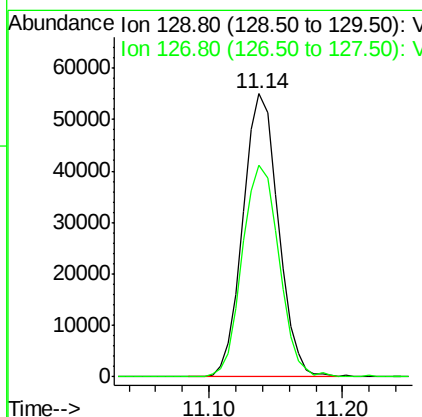
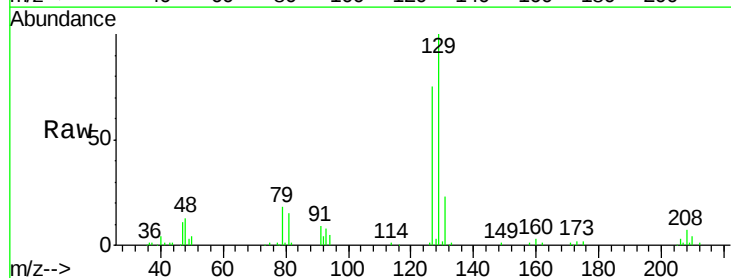
Manual Integrations
APPROVED

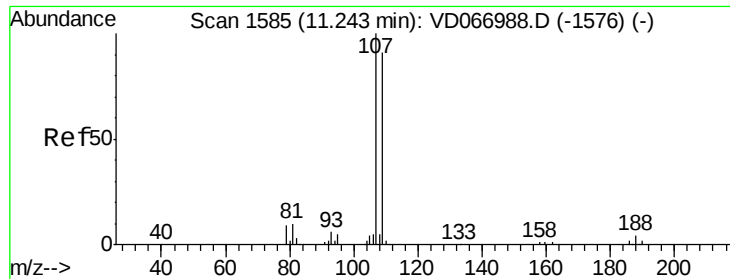
MMDadoda
10/2/2020 3:13:30 PM



#60
Dibromochloromethane
Concen: 20.738 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 129 Resp: 100576
Ion Ratio Lower Upper
129 100
127 77.9 37.4 112.1





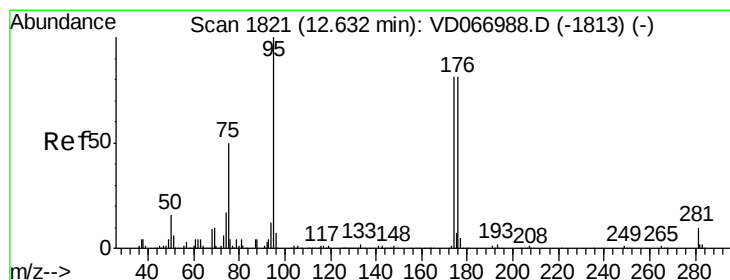
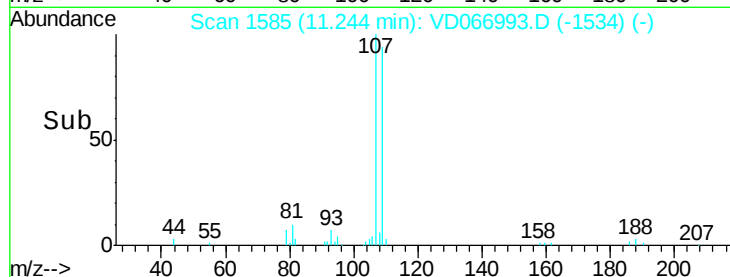
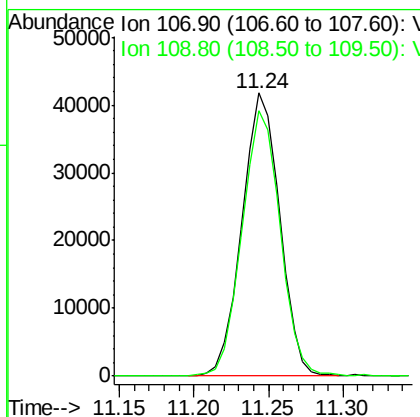
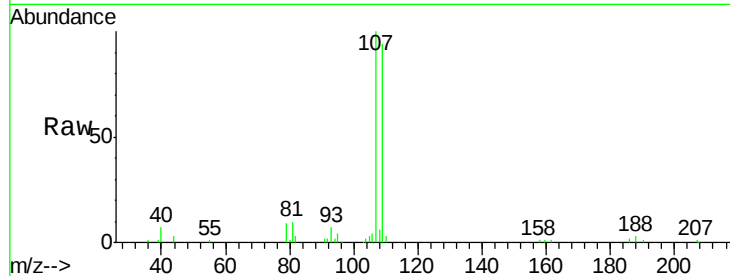
#61
 1,2-Dibromoethane
 Concen: 20.892 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.0	111.0

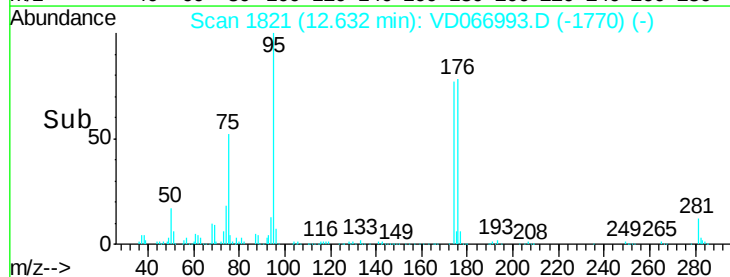
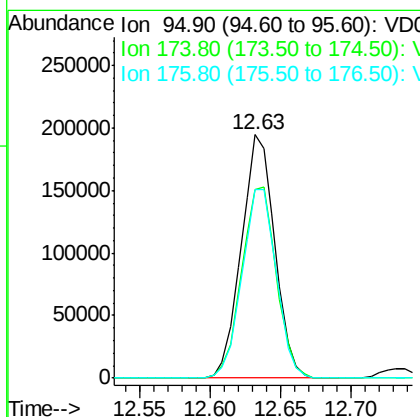
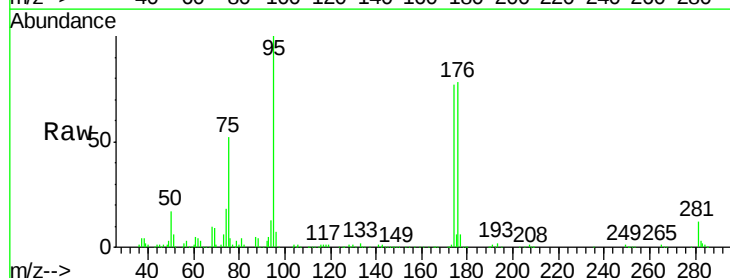
Manual Integrations
 APPROVED

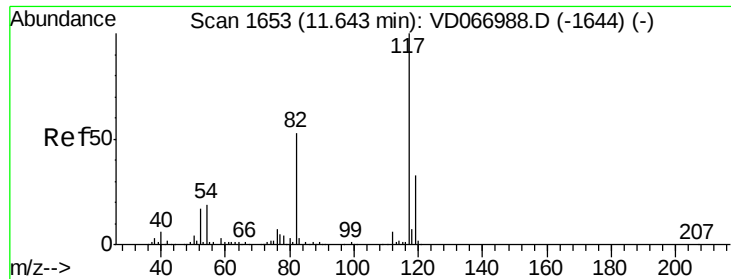
MMDadoda
 10/2/2020 3:13:30 PM



#62
 4-Bromofluorobenzene
 Concen: 53.172 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	167.6
176	79.8	0.0	162.4





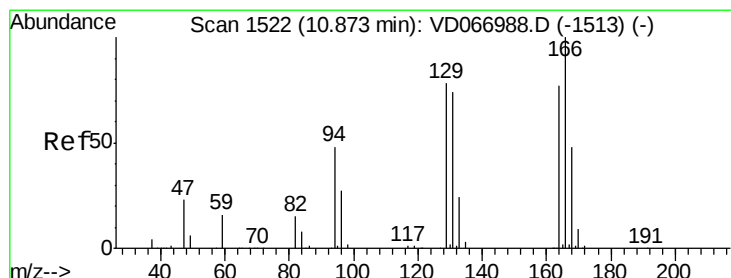
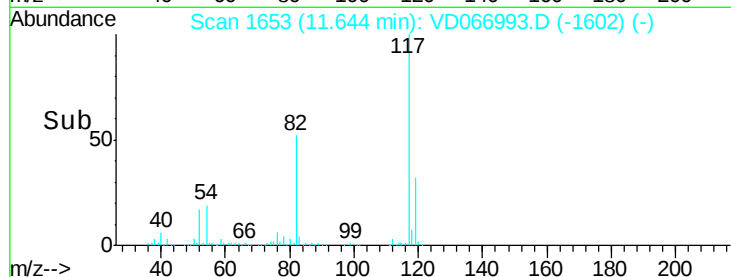
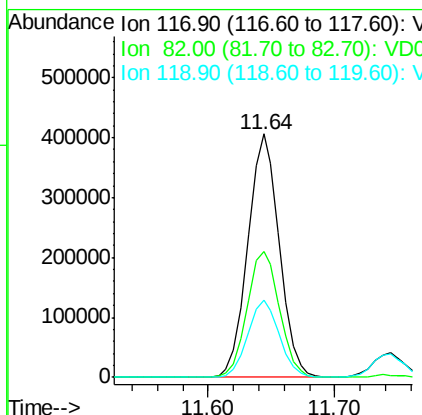
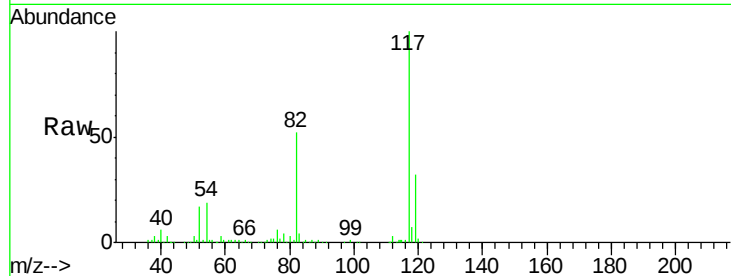
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.6	63.8
119	31.8	26.3	39.5

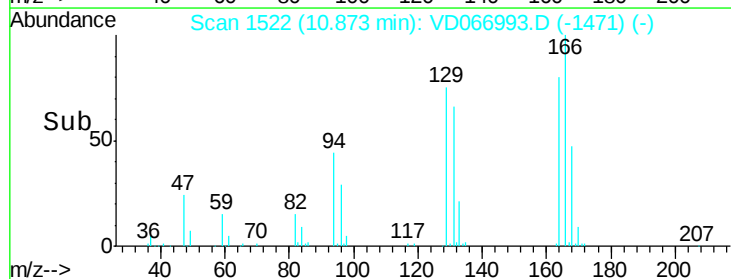
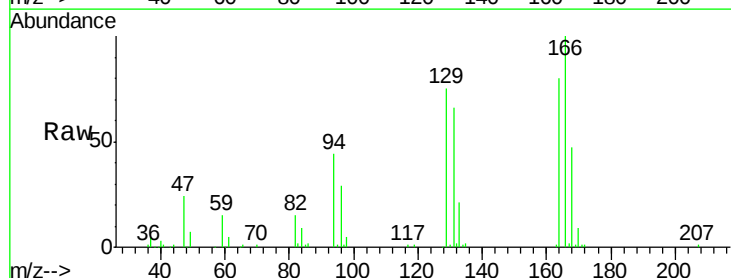
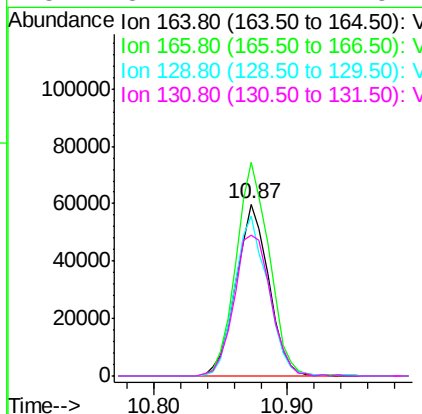
Manual Integrations
APPROVED

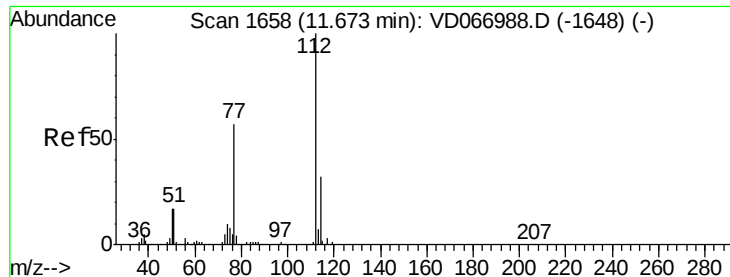
MMDadoda
10/2/2020 3:13:30 PM



#64
Tetrachloroethene
Concen: 19.991 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	104.4	156.6
129	93.1	81.3	121.9
131	82.1	77.1	115.7





#65

Chlorobenzene

Concen: 20.165 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:112 Resp: 281065

Ion Ratio Lower Upper

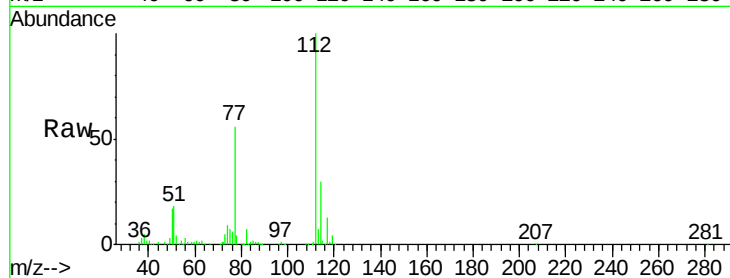
112 100

114 30.5 25.4 38.0

Manual Integrations
APPROVED

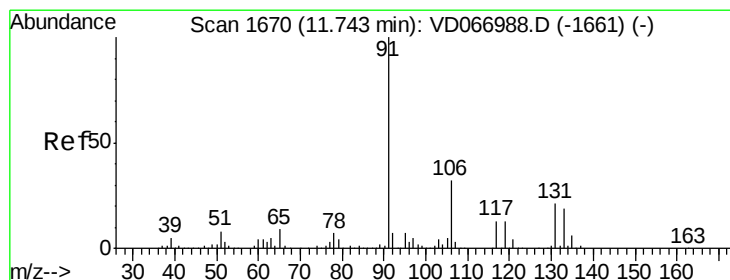
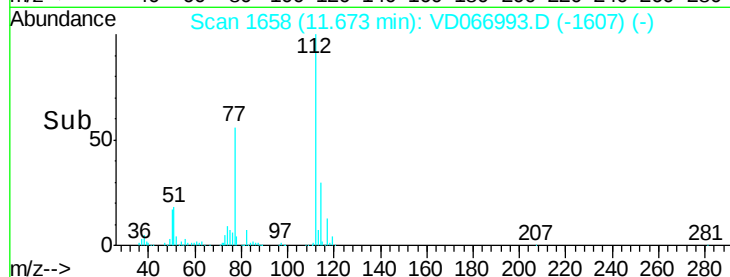
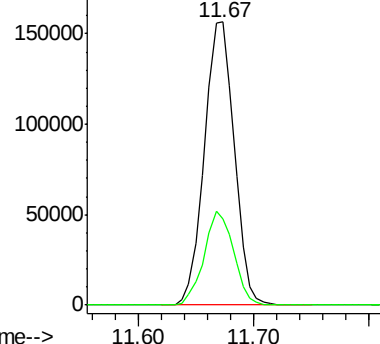
MMDadoda

10/2/2020 3:13:30 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.965 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

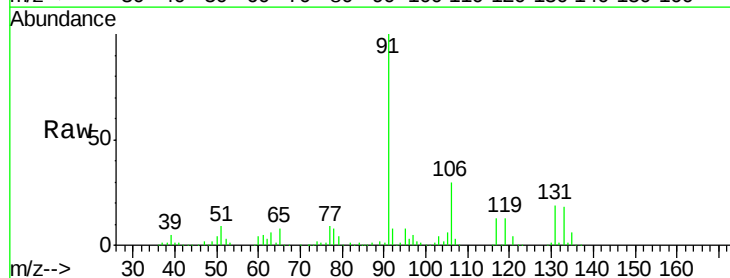
Tgt Ion:131 Resp: 105851

Ion Ratio Lower Upper

131 100

133 95.3 47.8 143.3

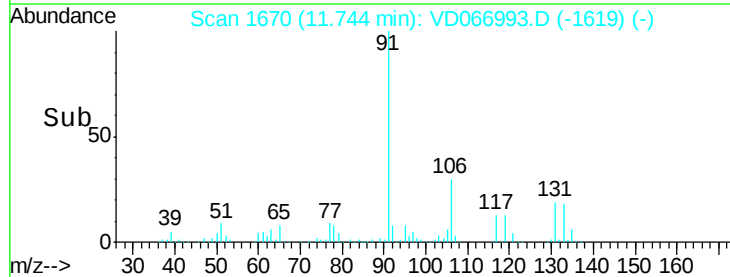
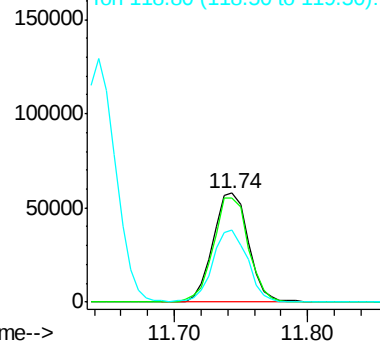
119 65.4 32.3 96.8

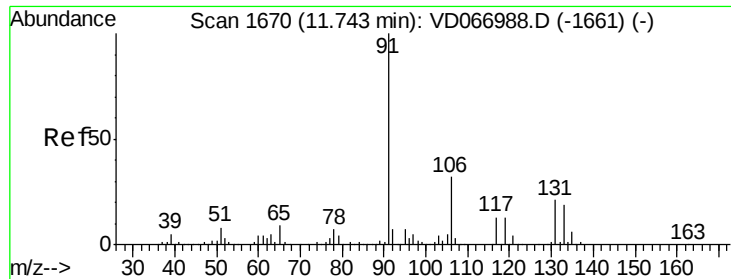


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





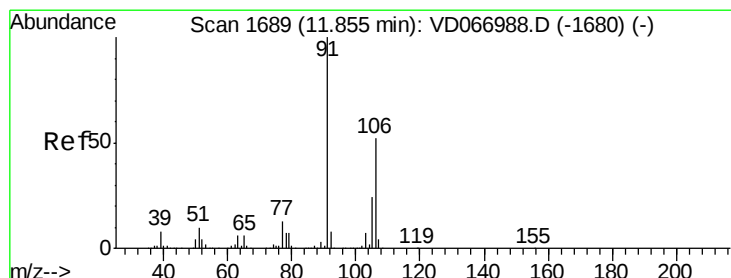
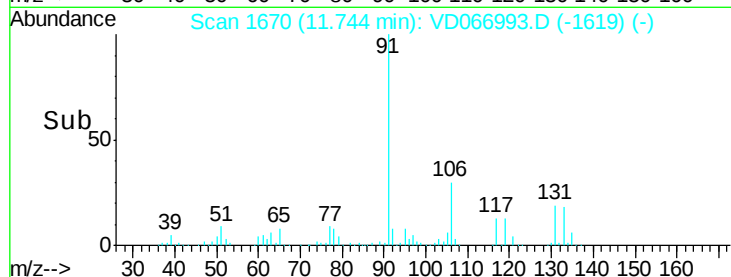
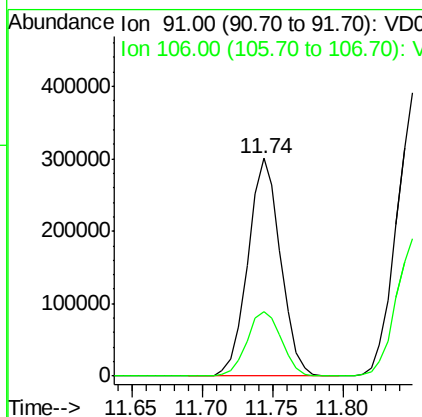
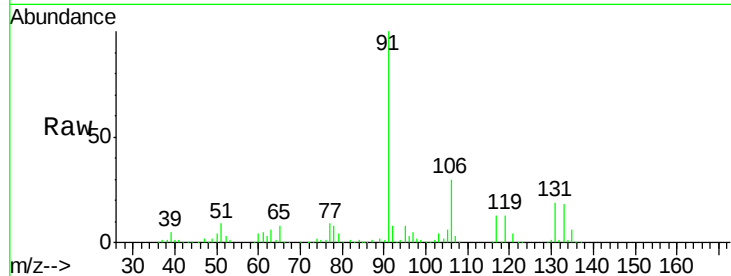
#67
Ethyl Benzene
Concen: 20.418 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 91 Resp: 487610
Ion Ratio Lower Upper
91 100
106 29.7 25.4 38.2

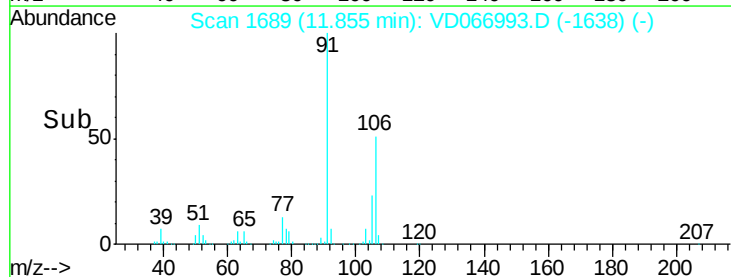
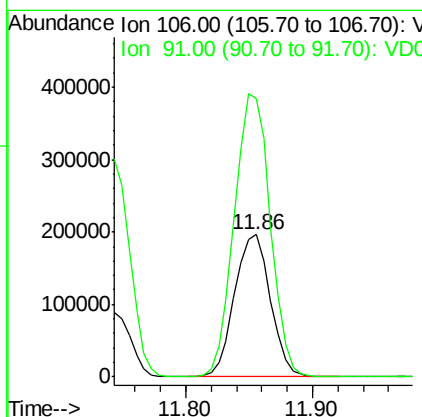
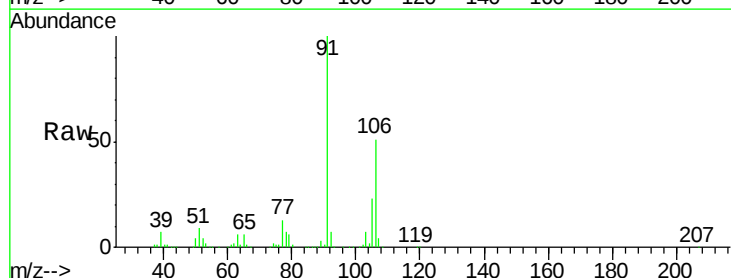
Manual Integrations
APPROVED

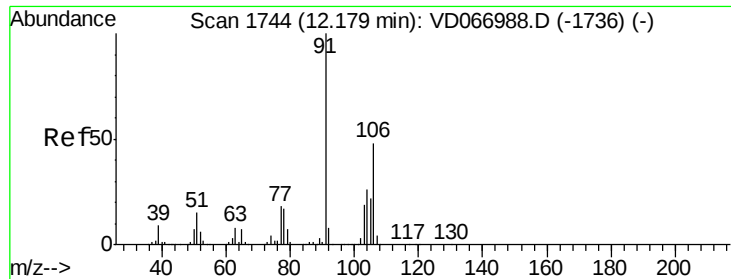
MMDadoda
10/2/2020 3:13:30 PM



#68
m/p-Xylenes
Concen: 41.313 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 106 Resp: 384500
Ion Ratio Lower Upper
106 100
91 199.9 158.4 237.6





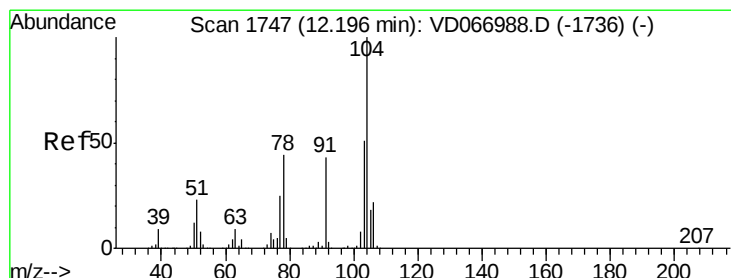
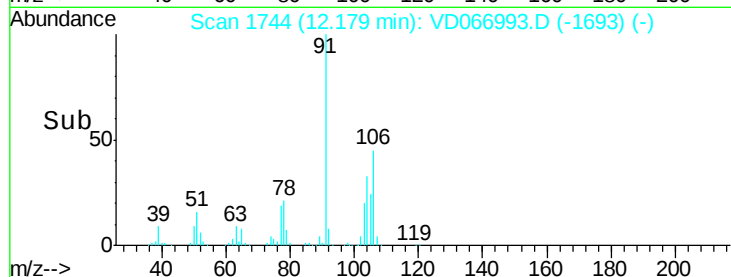
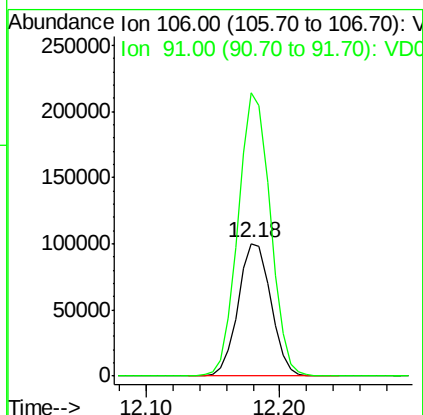
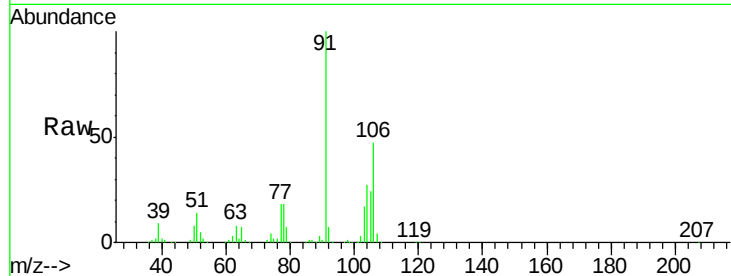
#69
o-Xylene
Concen: 20.467 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleID :
VD1001SBS01

Tot Ion:106 Resp: 170337
Ion Ratio Lower Upper
106 100
91 210.4 102.4 307.2

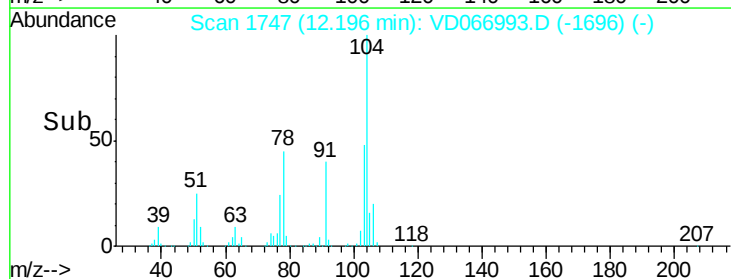
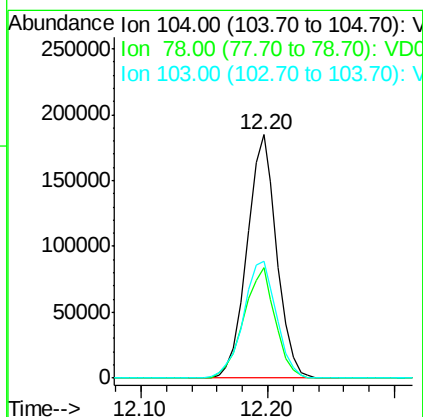
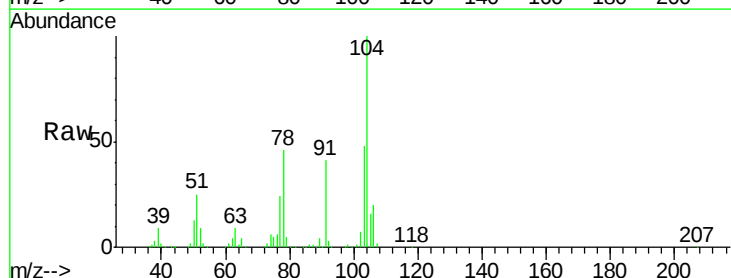
Manual Integrations
APPROVED

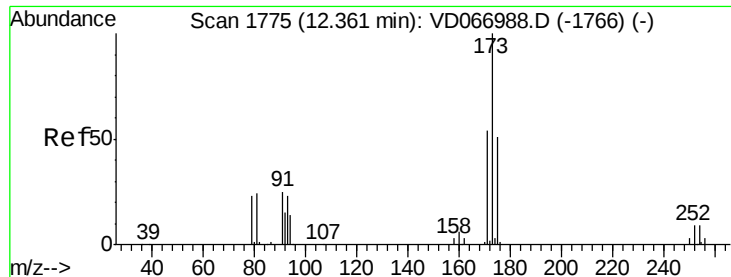
MMDadoda
10/2/2020 3:13:30 PM



#70
Styrene
Concen: 20.989 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion:104 Resp: 299969
Ion Ratio Lower Upper
104 100
78 48.2 38.6 58.0
103 53.6 43.4 65.0





#71

Bromoform

Concen: 20.204 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:173 Resp: 55604

Ion Ratio Lower Upper

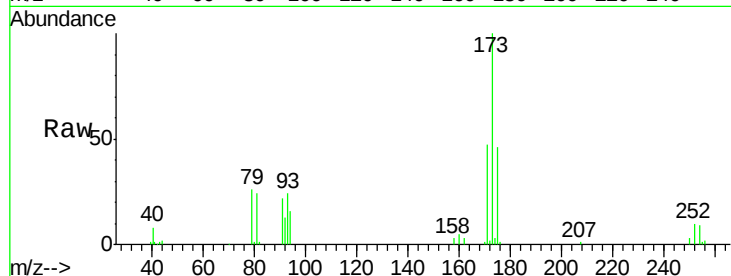
173 100

175 47.4 24.9 74.7

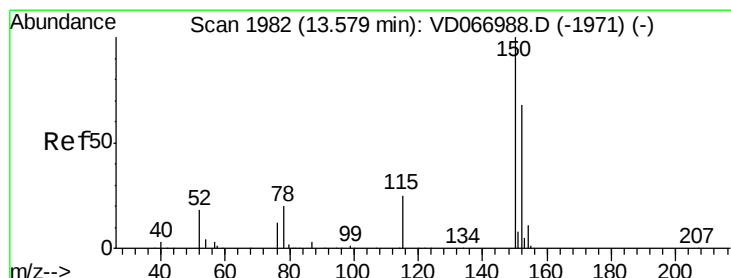
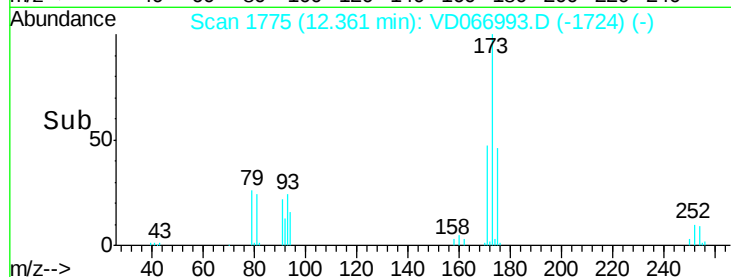
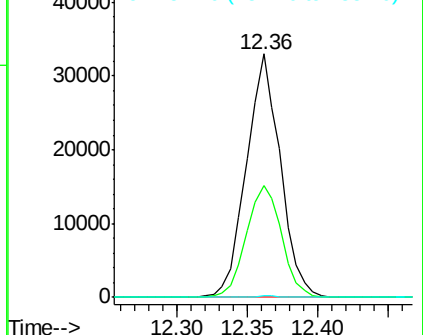
254 0.2 0.2 0.4

Manual Integrations
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MMDadoda
10/2/2020 3:13:30 PM



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: VD066993.D

Acq: 01 Oct 2020 15:30

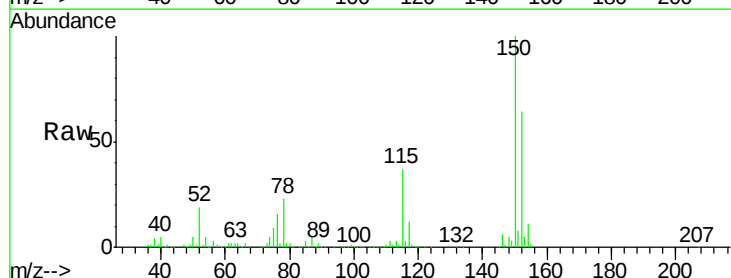
Tgt Ion:152 Resp: 337655

Ion Ratio Lower Upper

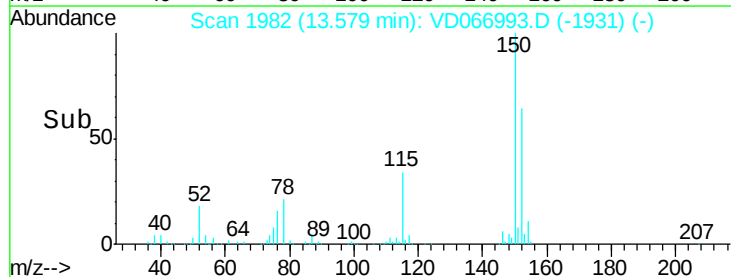
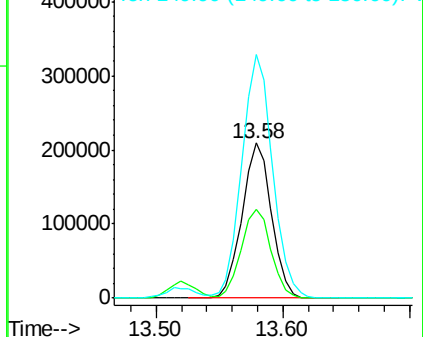
152 100

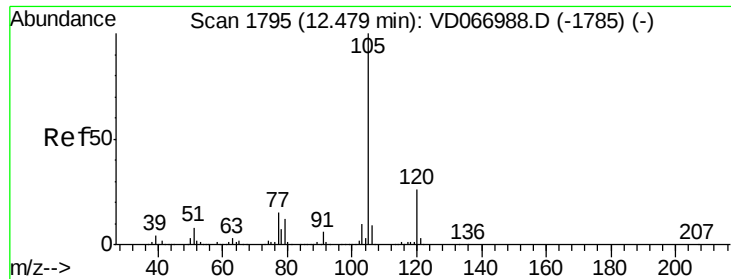
115 58.2 29.6 88.8

150 163.8 0.0 344.8



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





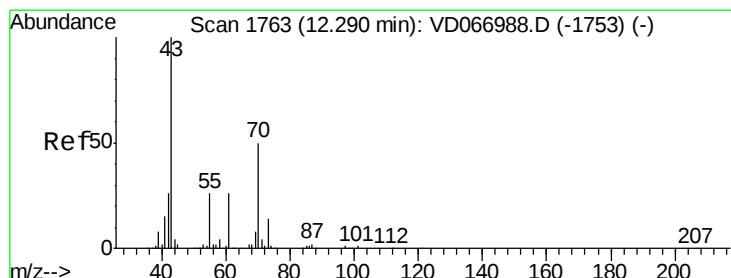
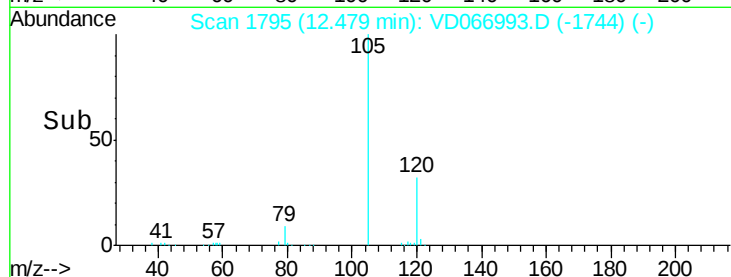
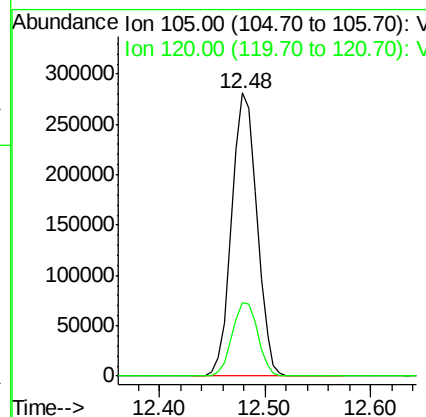
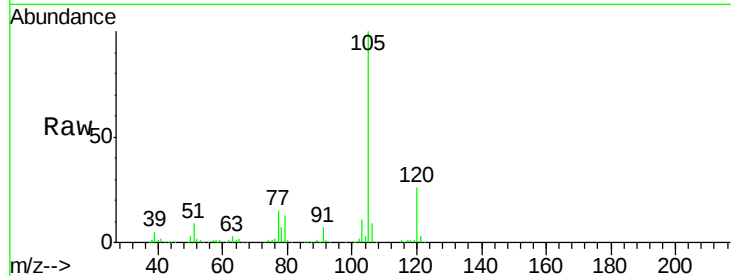
#73
Isopropylbenzene
Concen: 20.203 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.3	39.9

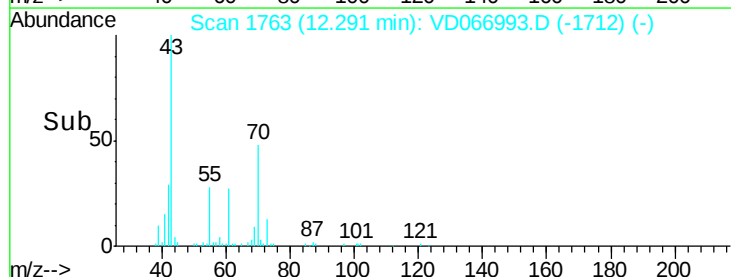
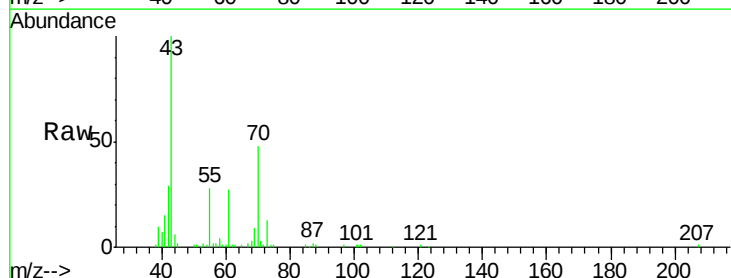
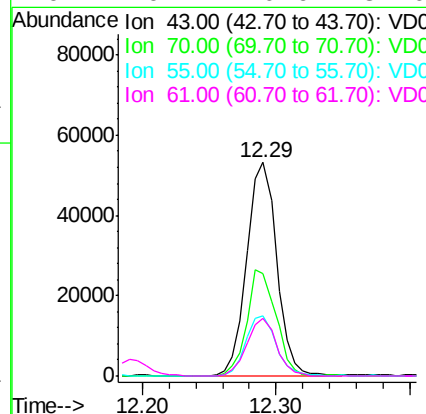
Manual Integrations
APPROVED

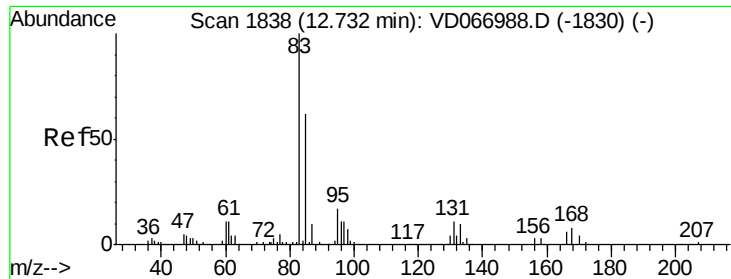
MMDadoda
10/2/2020 3:13:30 PM



#74
N-ethyl acetate
Concen: 20.038 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.8	38.2	57.2
55	28.4	22.4	33.6
61	26.7	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.070 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

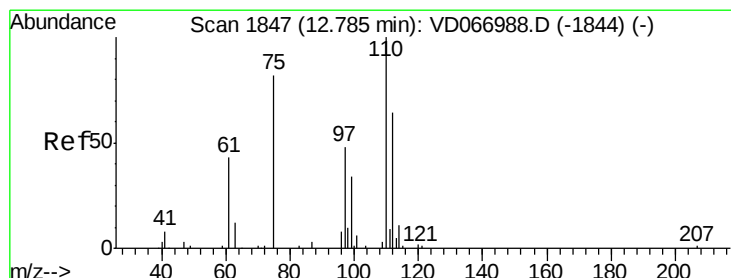
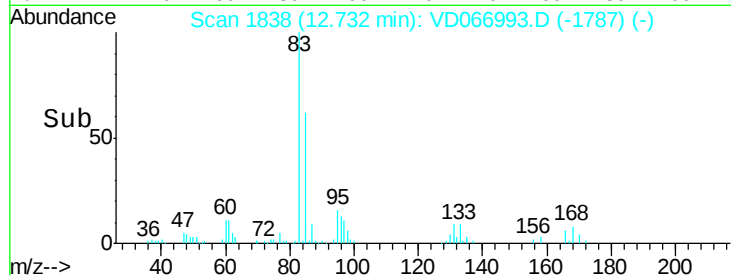
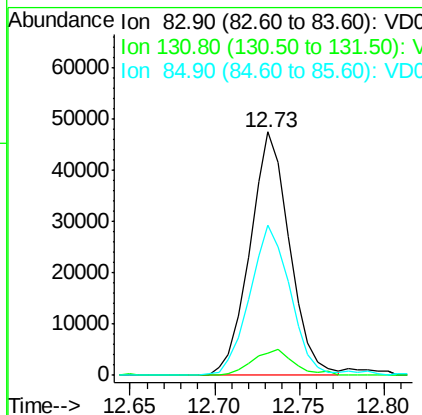
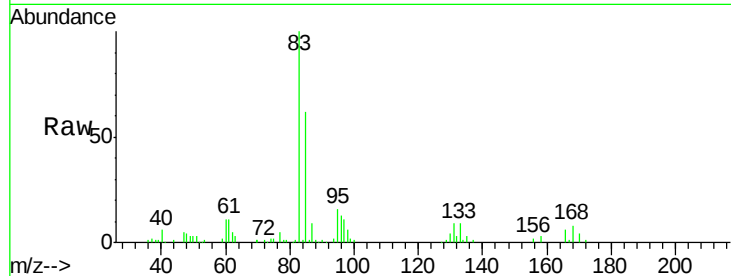
ClientSampleId :

VD1001SBS01

Tot Ion:	83	Resp:	77530
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.7	17.0
85	63.0	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 17.035 ug/l m

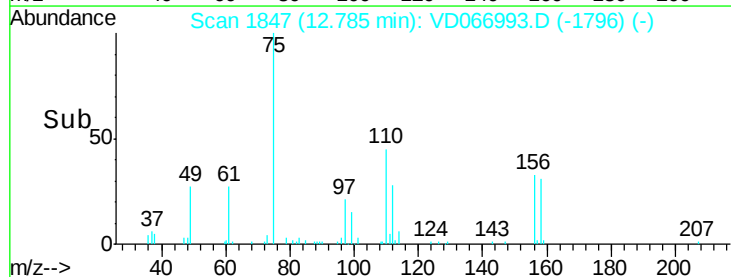
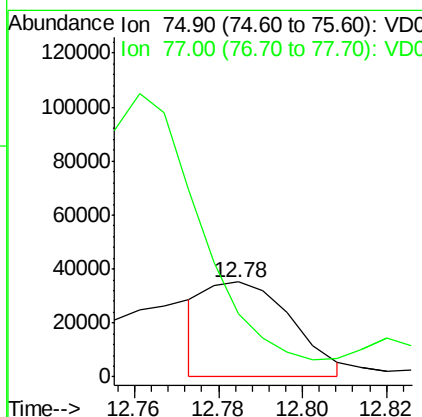
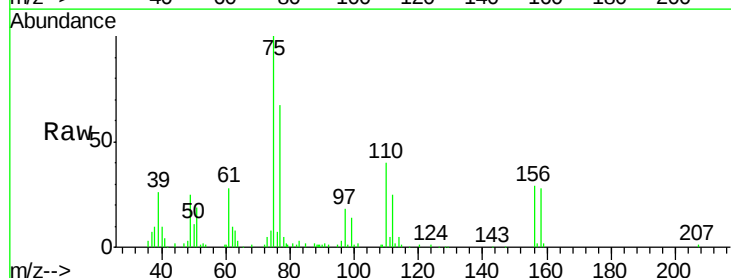
RT: 12.78 min Scan# 1847

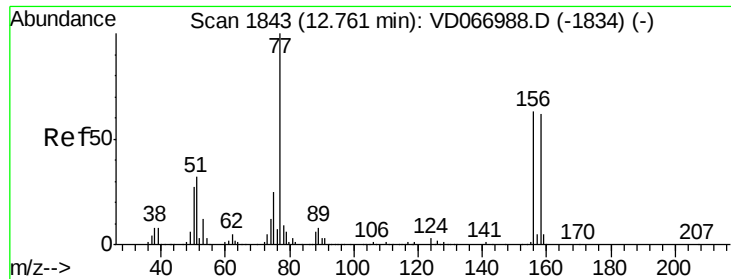
Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:	75	Resp:	50102
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





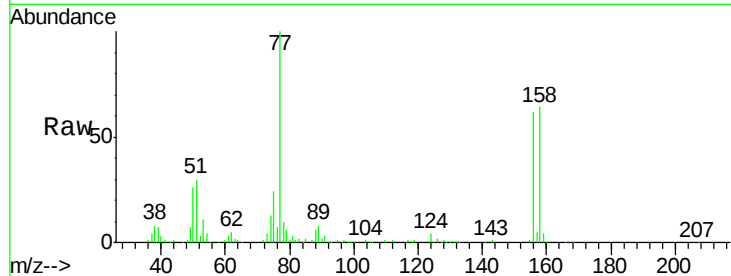
#77
Bromobenzene
Concen: 20.364 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.8	86.3	258.8
158	98.8	49.5	148.3

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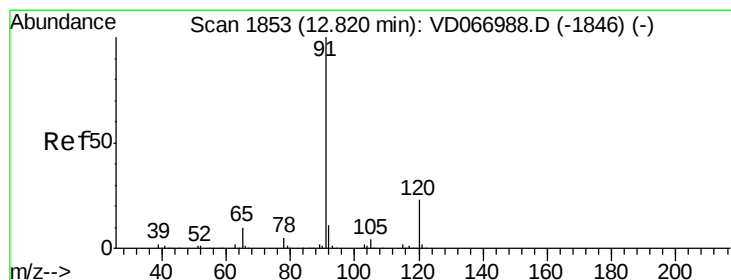
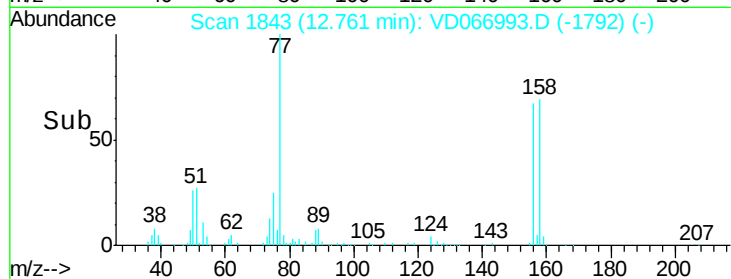
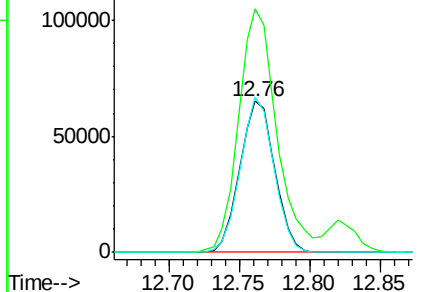
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Abundance Ion 155.80 (155.50 to 156.50): V

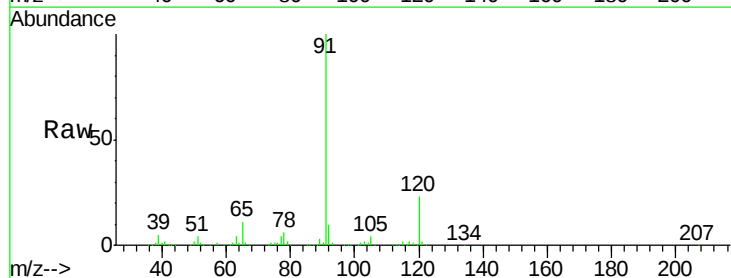
Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



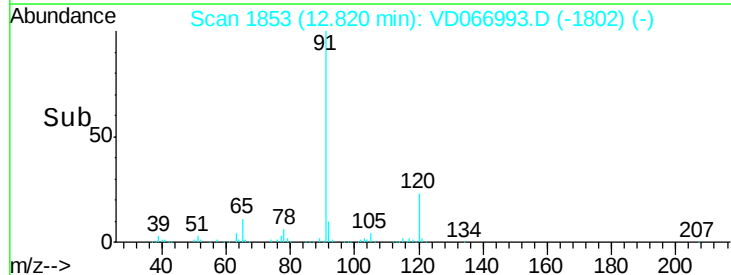
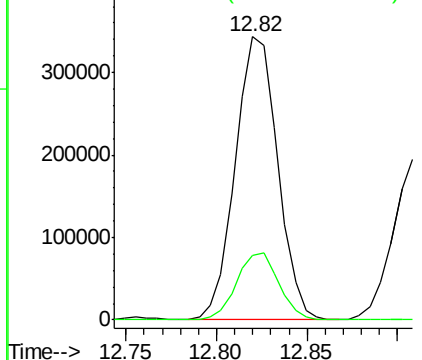
#78
n-propylbenzene
Concen: 20.576 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

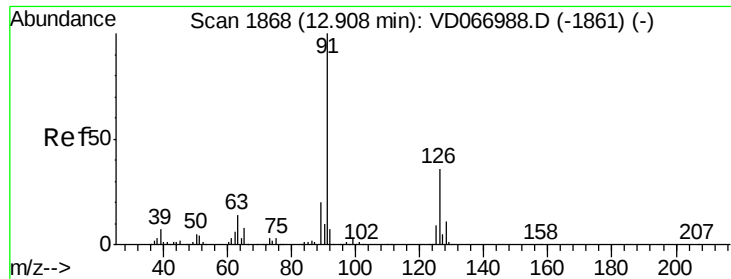
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.410 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 91 Resp: 316410

Ion Ratio Lower Upper

91 100

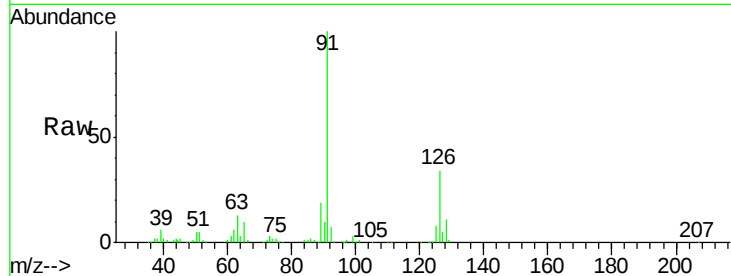
126 34.7 17.5 52.6

Manual Integrations

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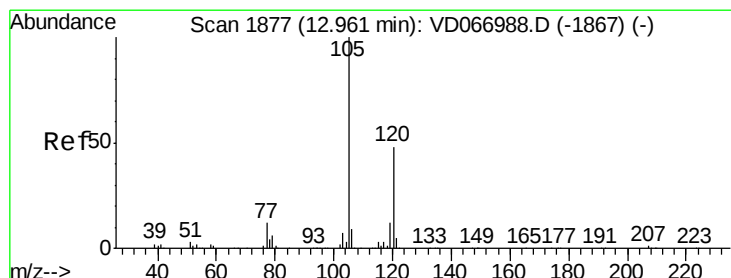
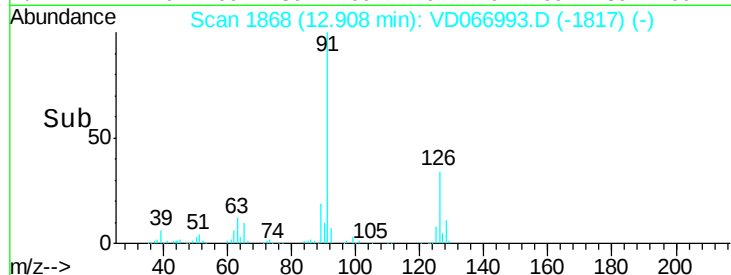
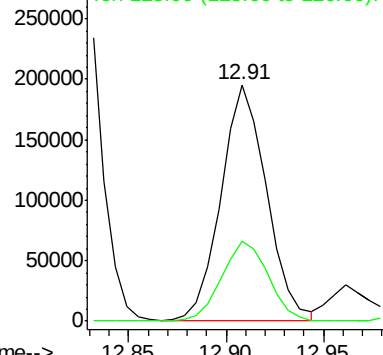
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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.643 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066993.D

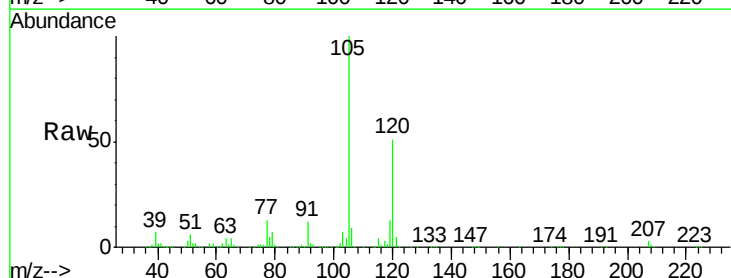
Acq: 01 Oct 2020 15:30

Tgt Ion:105 Resp: 399867

Ion Ratio Lower Upper

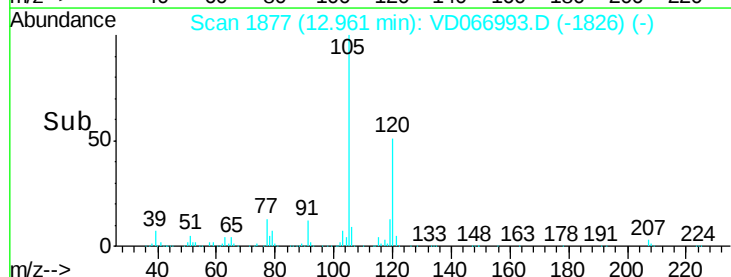
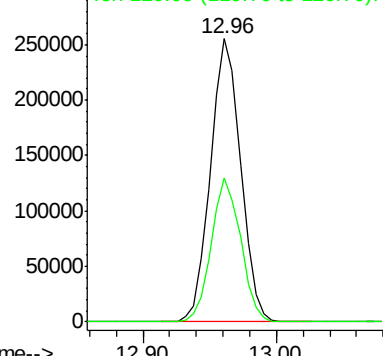
105 100

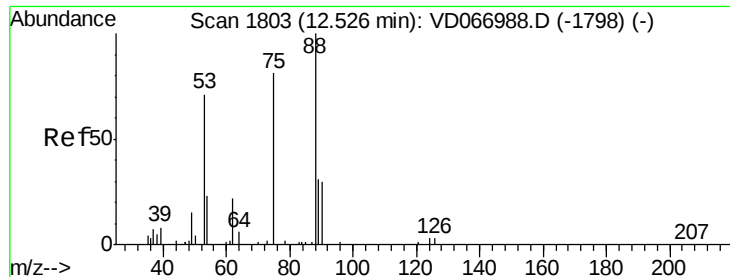
120 49.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.135 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

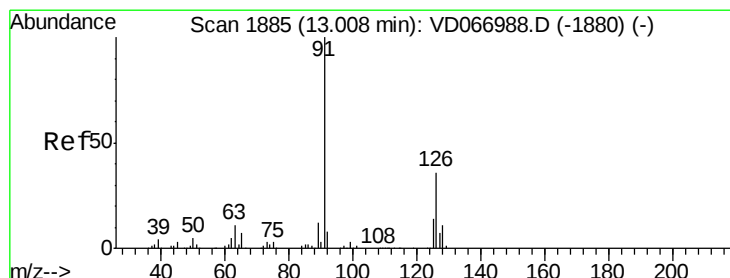
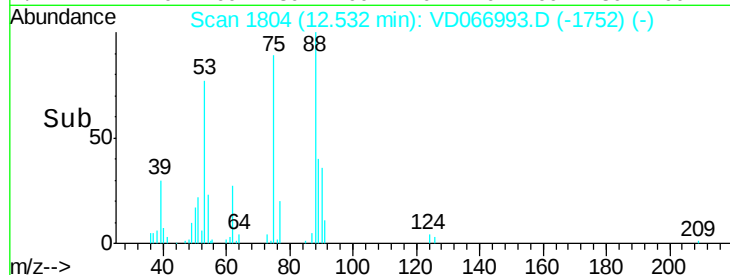
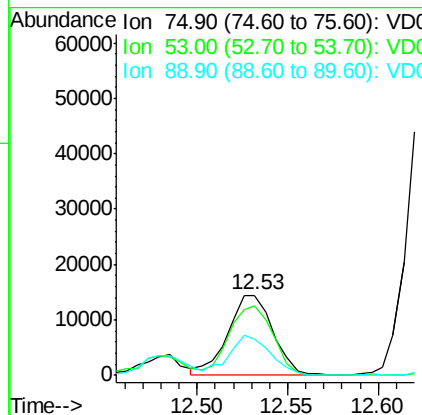
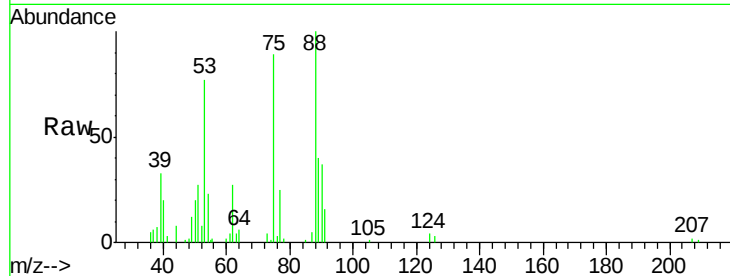
ClientSampleId :

VD1001SBS01

Tot Ion:	75	Resp:	24933
Ion	Ratio	Lower	Upper
75	100		
53	84.2	73.8	110.6
89	45.4	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.559 ug/l

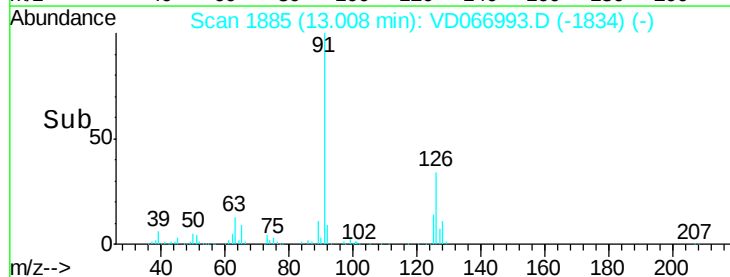
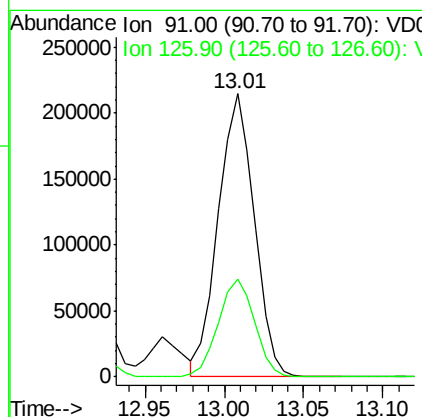
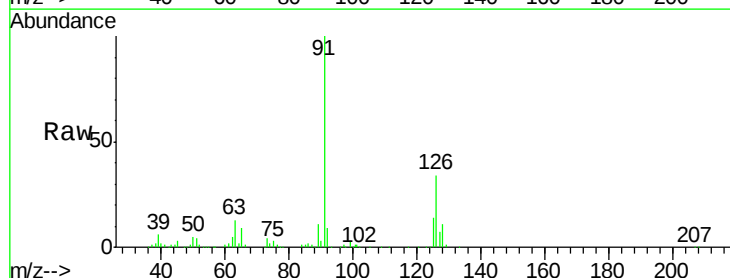
RT: 13.01 min Scan# 1885

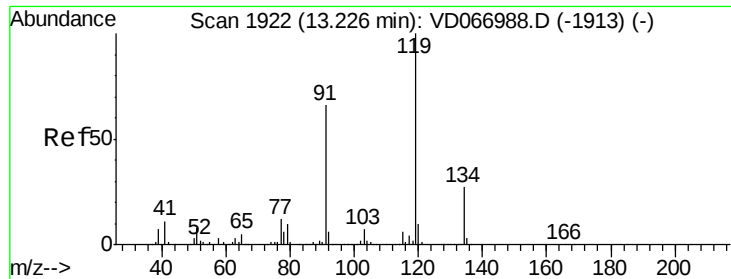
Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:	91	Resp:	339106
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





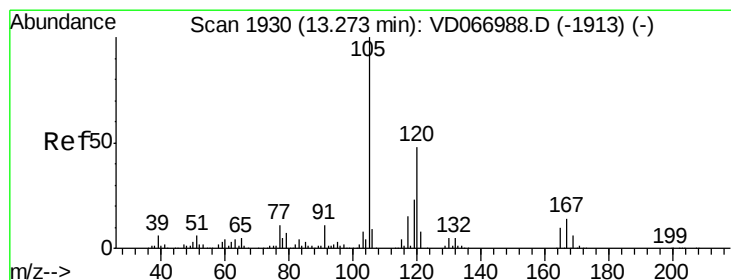
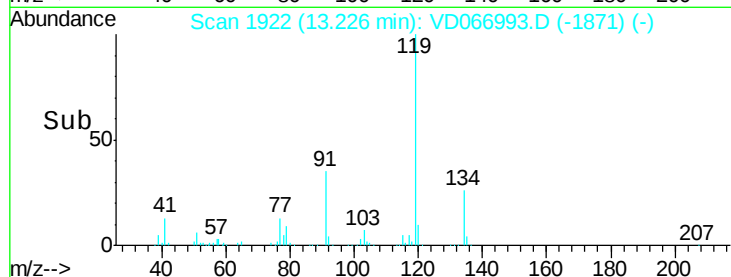
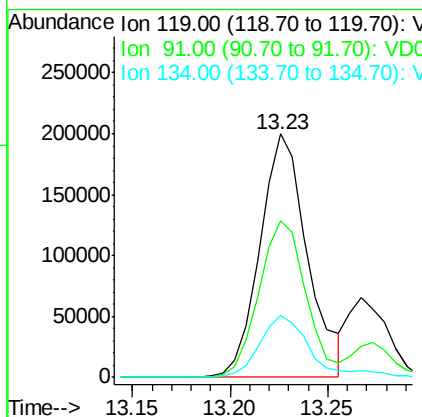
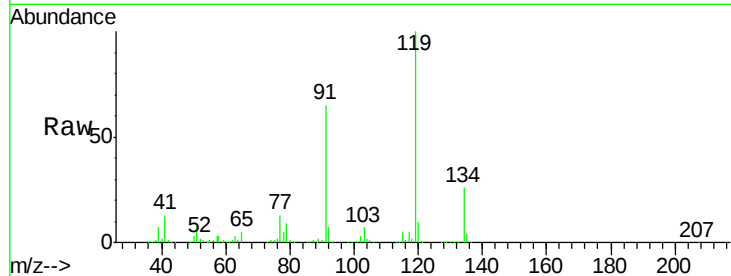
#83
tert-Butylbenzene
Concen: 20.623 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	336412		
91	63.7	32.8	98.3	
134	27.1	13.9	41.7	

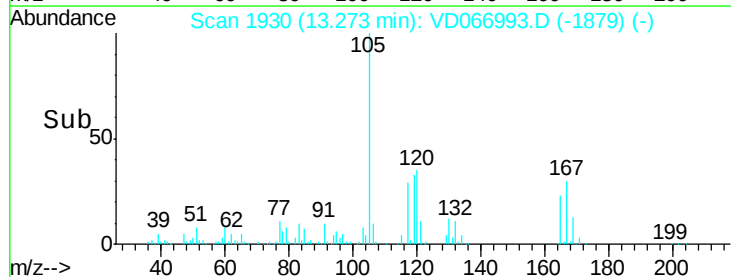
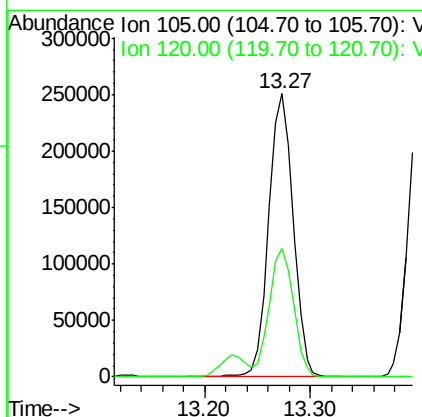
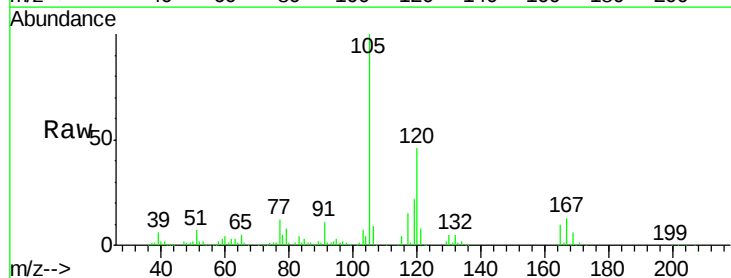
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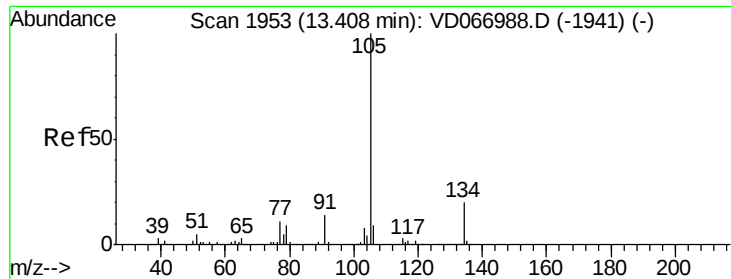
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#84
1,2,4-Trimethylbenzene
Concen: 20.805 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	402190		
120	44.9	23.3	69.8	





#85

sec-Butylbenzene

Concen: 20.403 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion:105 Resp: 468688

Ion Ratio Lower Upper

105 100

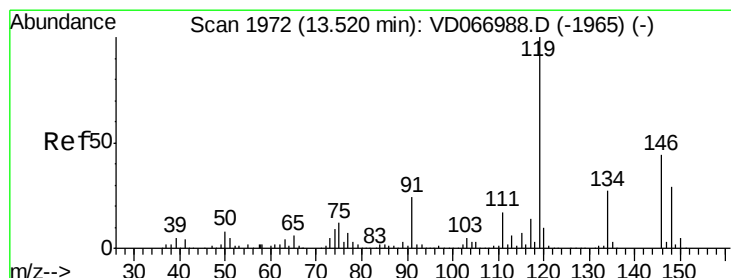
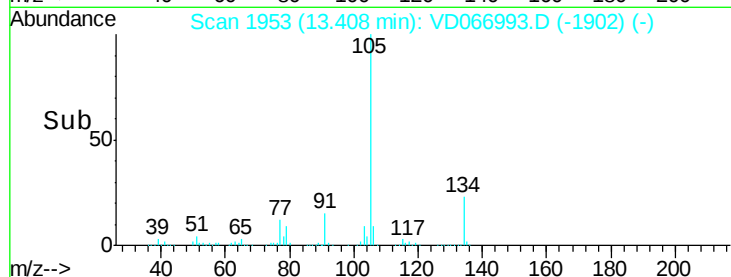
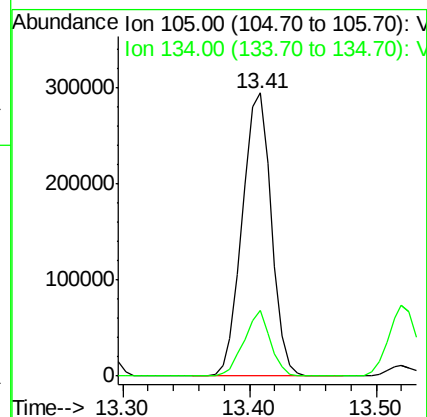
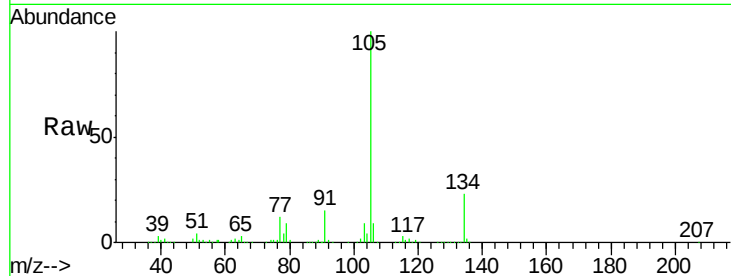
134 21.2 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.624 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

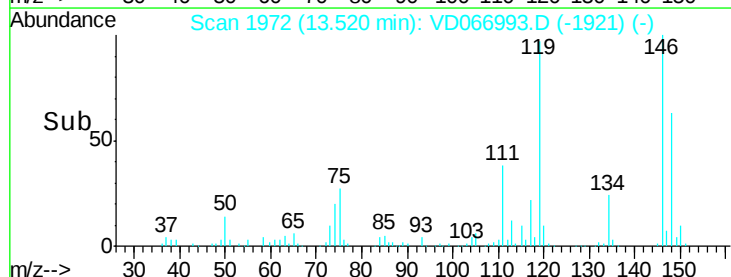
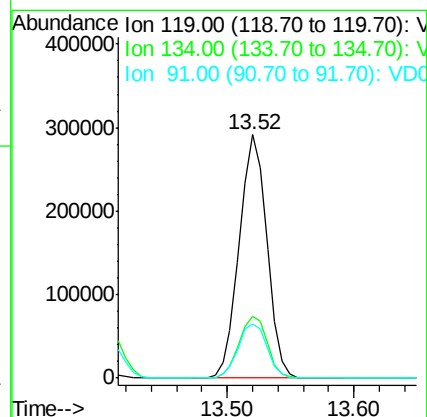
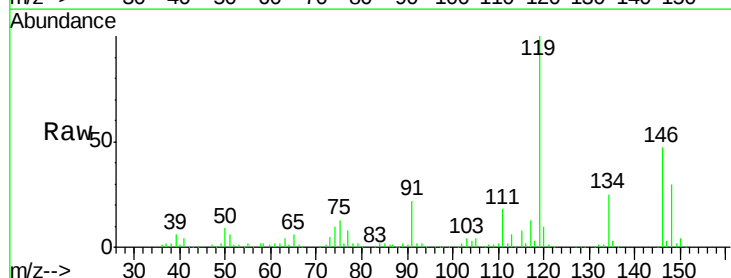
Tgt Ion:119 Resp: 439224

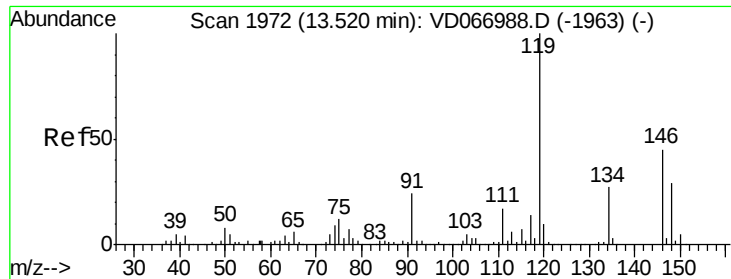
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 23.0 11.7 35.1





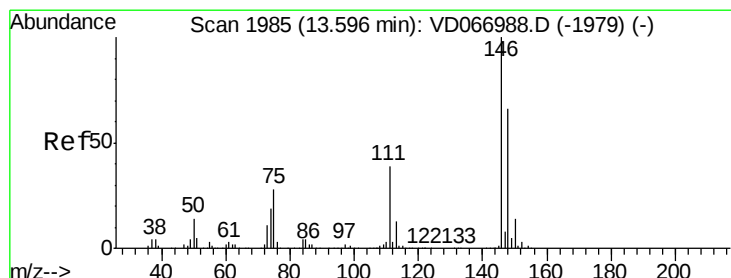
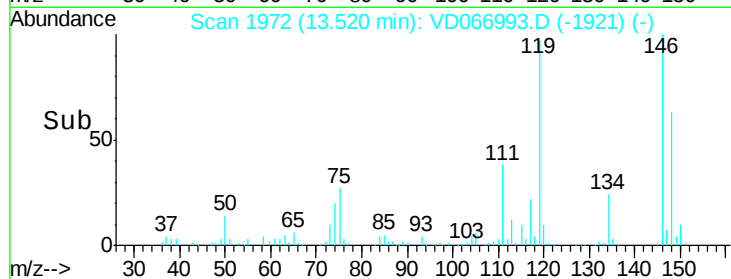
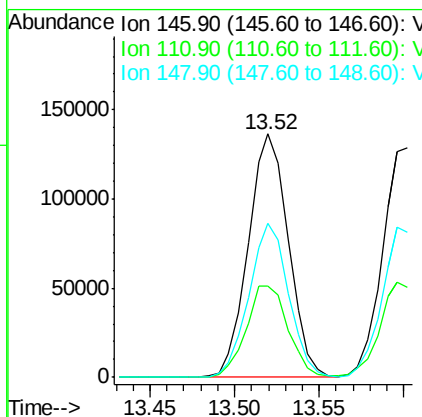
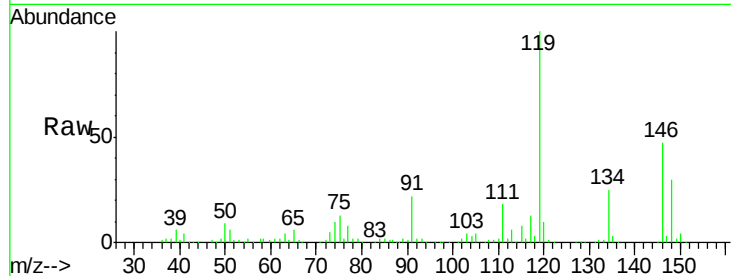
#87
 1,3-Dichlorobenzene
 Concen: 20.938 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	62.5	31.9	95.9

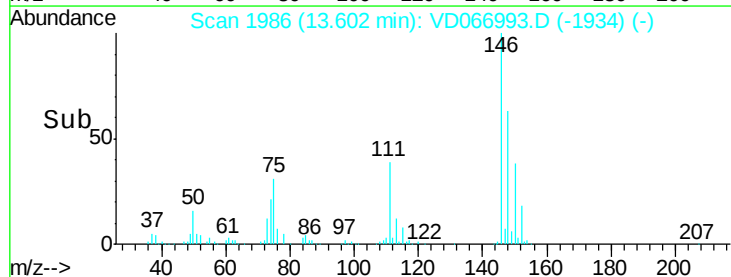
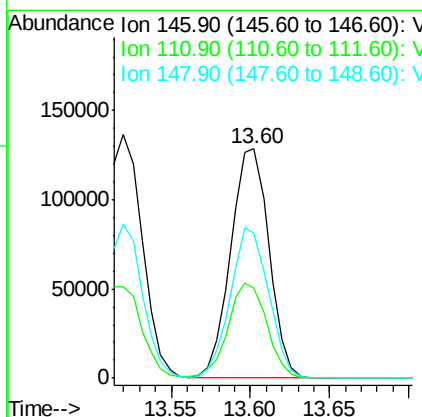
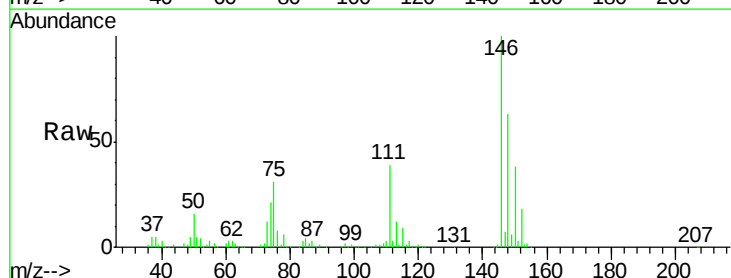
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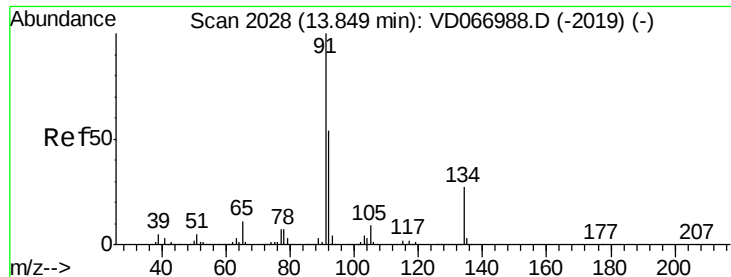
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#88
 1,4-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.6	58.7
148	65.3	32.6	97.7





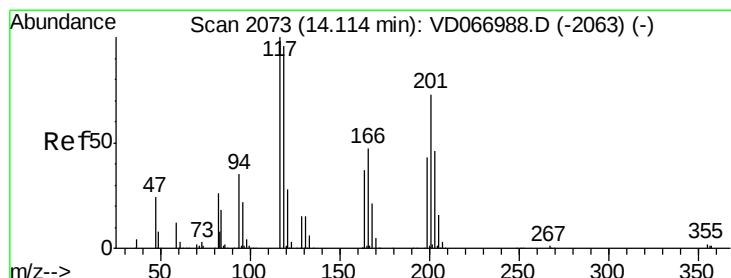
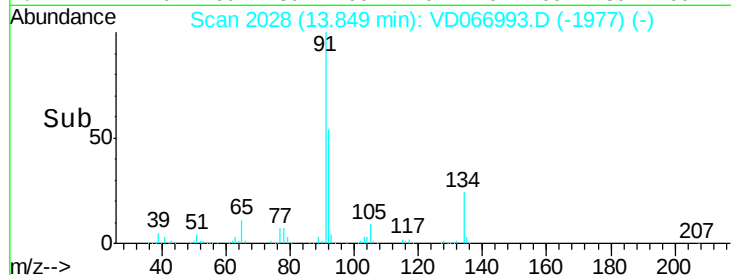
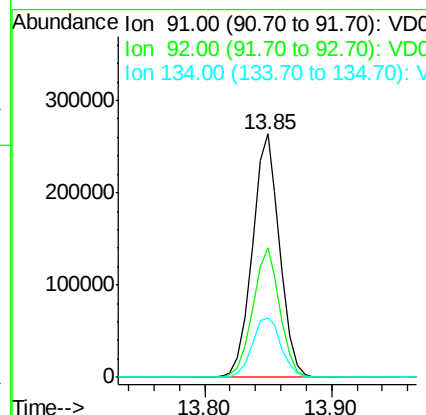
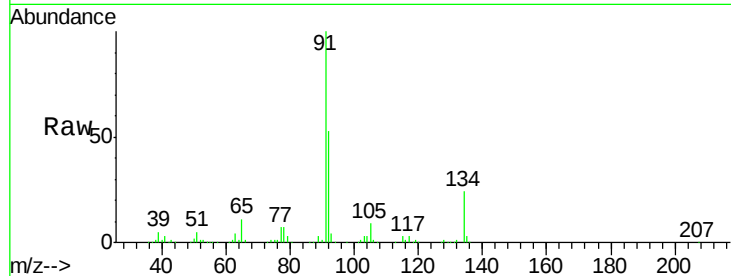
#89
n-Butylbenzene
Concen: 20.101 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	27.1	81.2	
134	26.1	13.6	40.8	

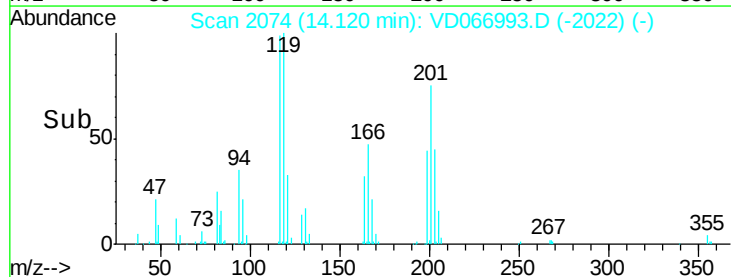
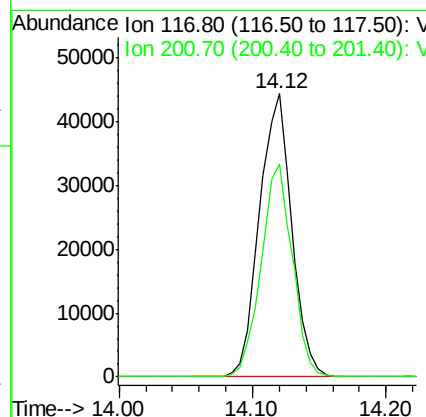
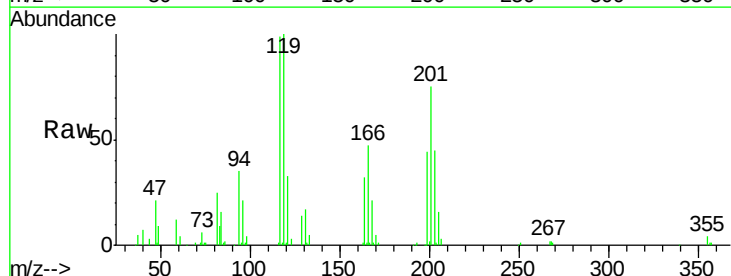
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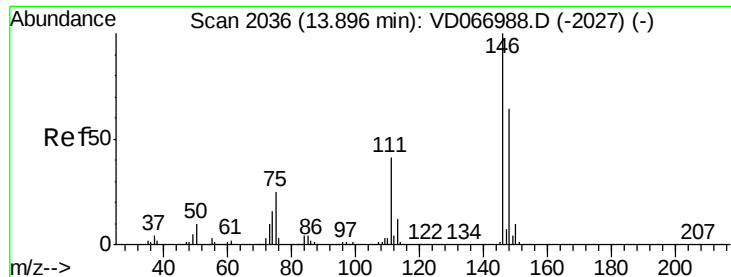
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#90
Hexachloroethane
Concen: 19.837 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.8	37.0	110.9	





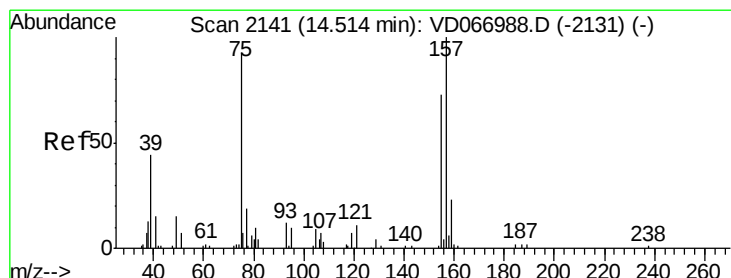
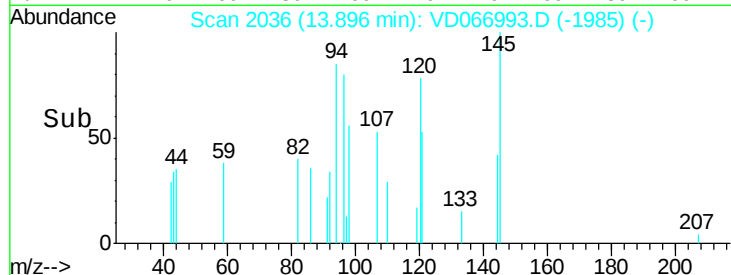
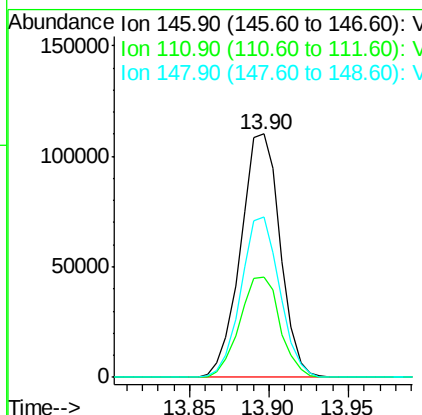
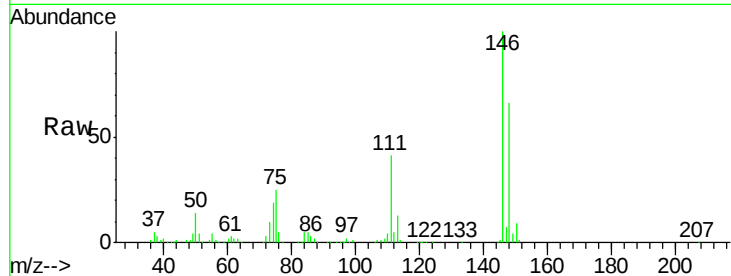
#91
 1,2-Dichlorobenzene
 Concen: 20.240 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.7
148	64.6	32.3	96.9

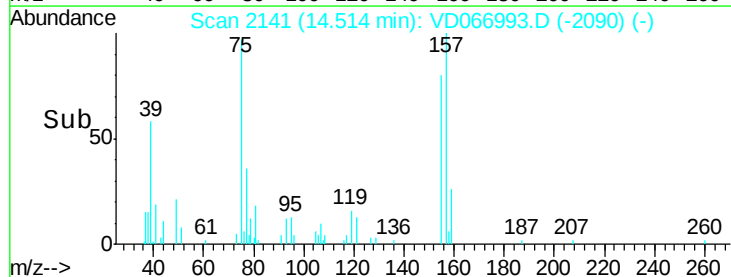
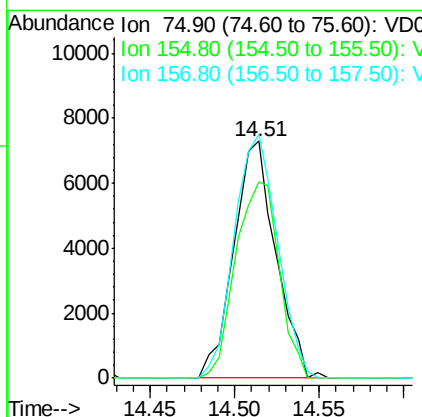
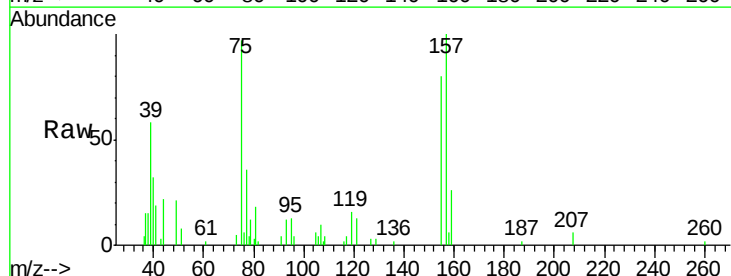
Manual Integrations
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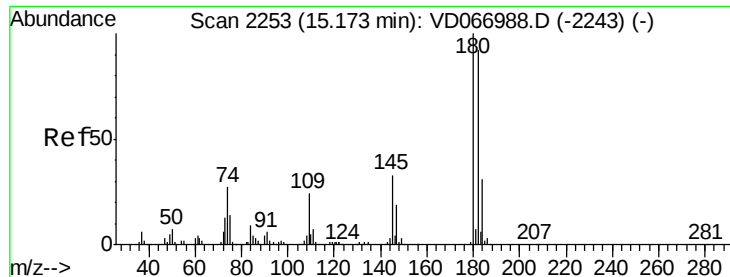
MMDadoda
 10/2/2020 3:13:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.265 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	45.2	135.6
157	105.5	56.3	168.8





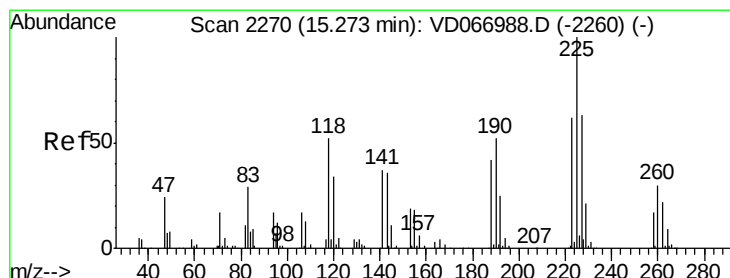
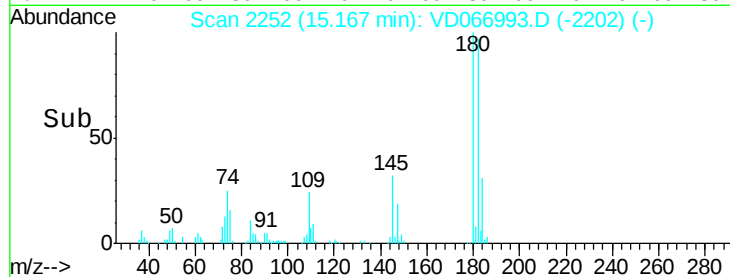
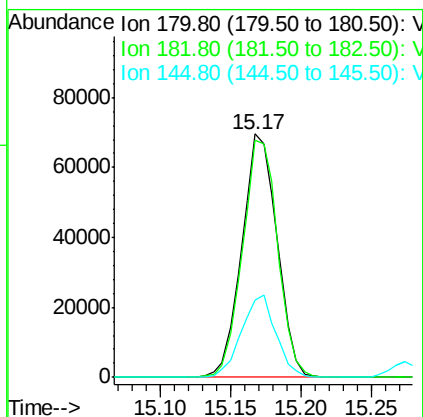
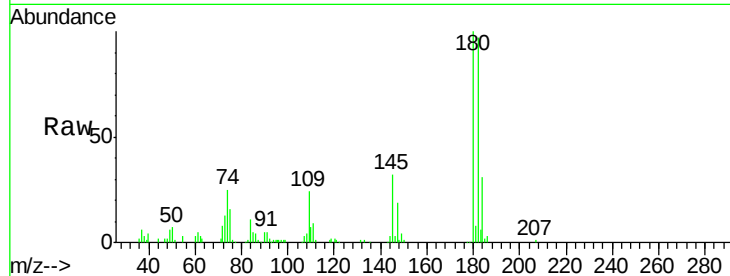
#93
 1,2,4-Trichlorobenzene
 Concen: 19.984 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121731		
182	97.6	47.3	142.0	
145	33.0	16.4	49.1	

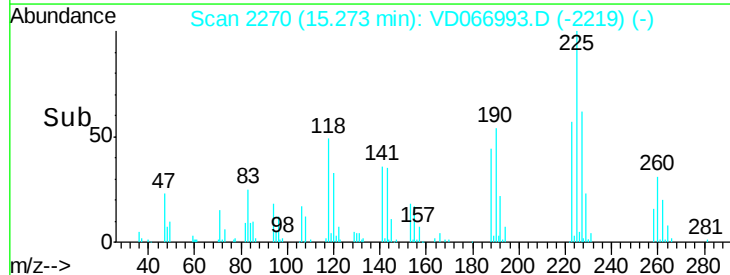
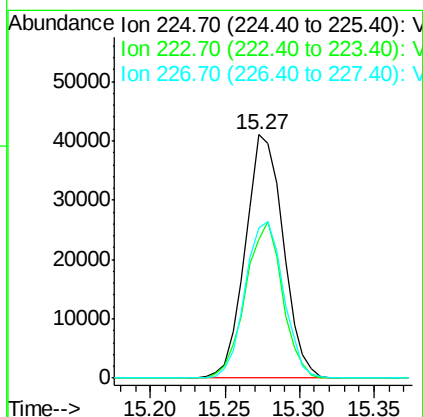
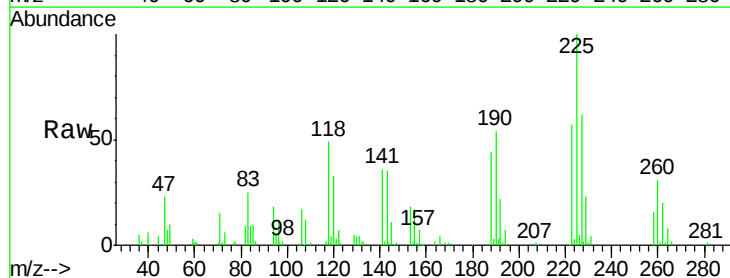
Manual Integrations
 APPROVED

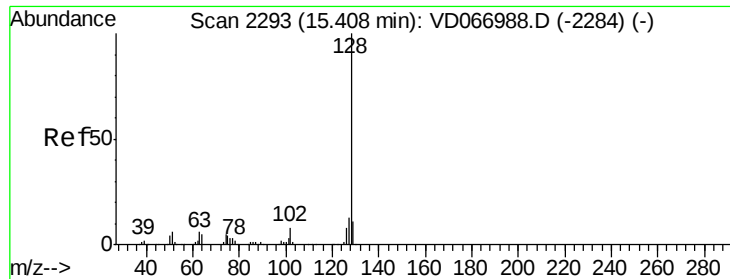
MMDadoda
 10/2/2020 3:13:30 PM



#94
 Hexachlorobutadiene
 Concen: 19.252 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72022		
223	62.3	32.4	97.0	
227	65.0	31.6	95.0	





#95

Naphthalene

Concen: 19.460 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

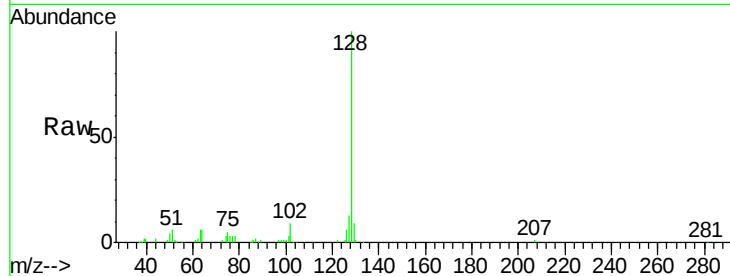
ClientSampleId :

VD1001SBS01

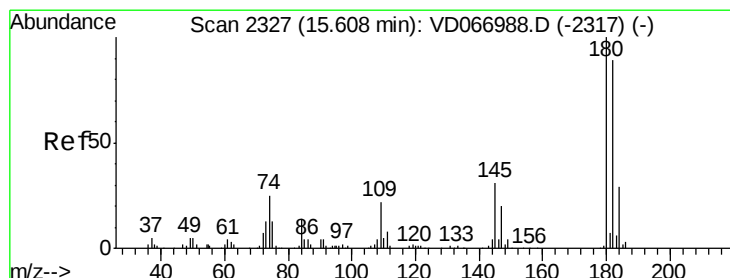
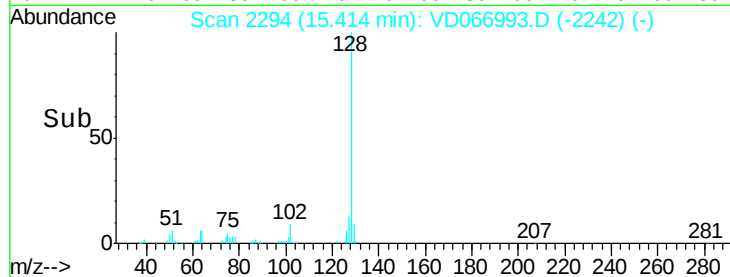
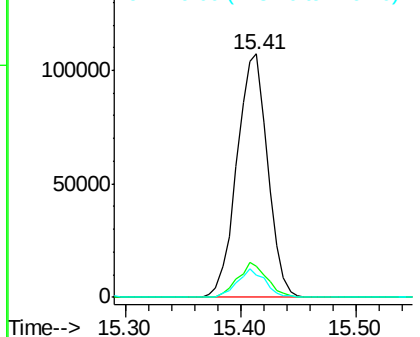
Tot Ion:	128	Resp:	197722
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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10/2/2020 3:13:30 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.210 ug/l

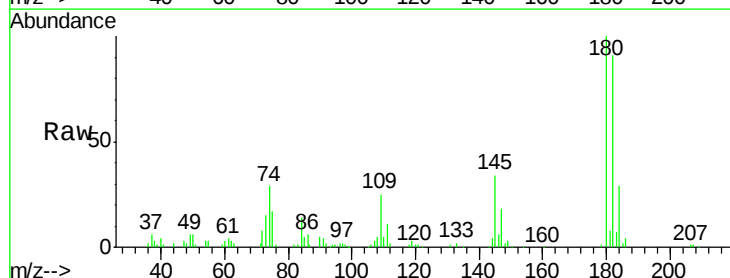
RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:	180	Resp:	106872
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.4	139.1
145	32.1	16.6	49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

