

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066783.D
 Acq On : 21 Sep 2020 15:26
 Operator : VA/SY
 Sample : VD0921SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Quant Time: Sep 22 00:54:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	696444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	637266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218670	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.91	113	213671	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.34	98	761069	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.63	95	265686	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71380	20.219	ug/l	98
3) Chloromethane	2.21	50	85980	18.875	ug/l	98
4) Vinyl Chloride	2.35	62	85542	17.943	ug/l	99
5) Bromomethane	2.76	94	57779	17.085	ug/l	96
6) Chloroethane	2.92	64	50129	16.879	ug/l	91
7) Trichlorofluoromethane	3.27	101	154160	18.722	ug/l	97
8) Diethyl Ether	3.71	74	42731	20.724	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86095	19.025	ug/l	97
10) Methyl Iodide	4.30	142	86923	20.245	ug/l	99
11) Tert butyl alcohol	5.21	59	34029	67.166	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	78697	18.789	ug/l	97
13) Acrolein	3.93	56	26109	82.889	ug/l	98
14) Allyl chloride	4.71	41	123167	18.311	ug/l	99
15) Acrylonitrile	5.42	53	91098	100.855	ug/l	98
16) Acetone	4.16	43	80637	88.663	ug/l	99
17) Carbon Disulfide	4.41	76	254254	19.318	ug/l	99
18) Methyl Acetate	4.72	43	42317	19.607	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	184857	19.814	ug/l	95
20) Methylene Chloride	4.97	84	110987	17.989	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	96712	19.819	ug/l	97
22) Diisopropyl ether	6.37	45	275685	20.170	ug/l #	92
23) Vinyl Acetate	6.31	43	655921	86.275	ug/l	98
24) 1,1-Dichloroethane	6.26	63	170281	19.633	ug/l	95
25) 2-Butanone	7.21	43	107229	90.544	ug/l	93
26) 2,2-Dichloropropane	7.20	77	150924	18.818	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105487	19.759	ug/l	98
28) Bromochloromethane	7.55	49	68932	21.278	ug/l	93
29) Tetrahydrofuran	7.56	42	71855	99.168	ug/l	98
30) Chloroform	7.71	83	185013	20.043	ug/l	98
31) Cyclohexane	7.98	56	145167	18.401	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	160250	18.972	ug/l	99
36) 1,1-Dichloropropene	8.11	75	132816	18.549	ug/l	98
37) Ethyl Acetate	7.30	43	51683	19.066	ug/l #	97
38) Carbon Tetrachloride	8.10	117	141985	18.672	ug/l	90

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	148670	18.152	ug/l	98
40) Benzene	8.35	78	384121	19.829	ug/l	98
41) Methacrylonitrile	7.56	41	70680	49.251	ug/l #	17
42) 1,2-Dichloroethane	8.42	62	116803	19.462	ug/l	98
43) Isopropyl Acetate	8.45	43	97465	19.102	ug/l	96
44) Trichloroethene	9.11	130	103605	20.003	ug/l	97
45) 1,2-Dichloropropane	9.38	63	95471	19.935	ug/l	93
46) Dibromomethane	9.47	93	53078	20.169	ug/l	99
47) Bromodichloromethane	9.66	83	139864	19.504	ug/l	99
48) Methyl methacrylate	9.45	41	47549	18.321	ug/l	91
49) 1,4-Dioxane	9.46	88	13119	465.382	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	249172	94.857	ug/l	99
52) Toluene	10.40	92	245942	19.818	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	121384	18.948	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	142822	18.771	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	70389	20.287	ug/l #	90
56) Ethyl methacrylate	10.66	69	77671	19.726	ug/l	98
57) 1,3-Dichloropropane	10.94	76	119528	19.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	209936	121.400	ug/l	96
59) 2-Hexanone	10.98	43	161269	91.371	ug/l	96
60) Dibromochloromethane	11.14	129	92500	20.460	ug/l	96
61) 1,2-Dibromoethane	11.24	107	66377	19.943	ug/l	97
64) Tetrachloroethene	10.87	164	90286	20.754	ug/l	95
65) Chlorobenzene	11.67	112	260844	19.770	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	97322	19.992	ug/l	97
67) Ethyl Benzene	11.74	91	461107	19.294	ug/l	97
68) m/p-Xylenes	11.85	106	347489	38.471	ug/l	100
69) o-Xylene	12.18	106	156078	19.554	ug/l	95
70) Styrene	12.20	104	275219	19.590	ug/l	99
71) Bromoform	12.36	173	48368	19.798	ug/l #	96
73) Isopropylbenzene	12.48	105	421596	18.915	ug/l	100
74) N-amyl acetate	12.29	43	86255	18.346	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	77212	20.387	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	98446	38.522	ug/l #	100
77) Bromobenzene	12.76	156	100812	19.624	ug/l	99
78) n-propylbenzene	12.82	91	511898	18.840	ug/l	98
79) 2-Chlorotoluene	12.91	91	293547	19.107	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	365797	19.410	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	18248	15.410	ug/l	95
82) 4-Chlorotoluene	13.01	91	313149	19.277	ug/l	98
83) tert-Butylbenzene	13.23	119	292600	18.838	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	365181	19.390	ug/l	99
85) sec-Butylbenzene	13.40	105	418361	18.787	ug/l	99
86) p-Isopropyltoluene	13.52	119	386433	19.088	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	190874	19.367	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	193689	19.735	ug/l	99
89) n-Butylbenzene	13.85	91	353624	18.370	ug/l	99
90) Hexachloroethane	14.11	117	74712	17.965	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	166312	19.694	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11318	18.486	ug/l	90

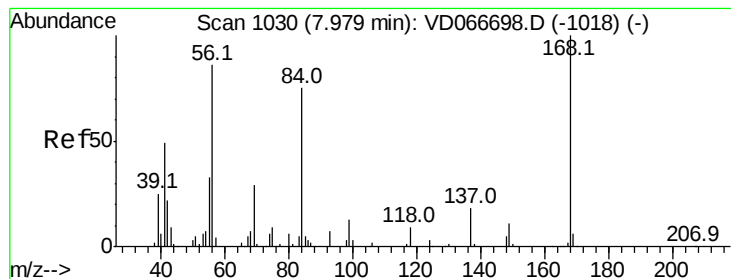
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
Data File : VD066783.D
Acq On : 21 Sep 2020 15:26
Operator : VA/SY
Sample : VD0921SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Quant Time: Sep 22 00:54:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	106629	20.876	ug/l	98
94) Hexachlorobutadiene	15.27	225	58094	18.878	ug/l	98
95) Naphthalene	15.41	128	174719	19.578	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	89396	20.038	ug/l	95

(#) = 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: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

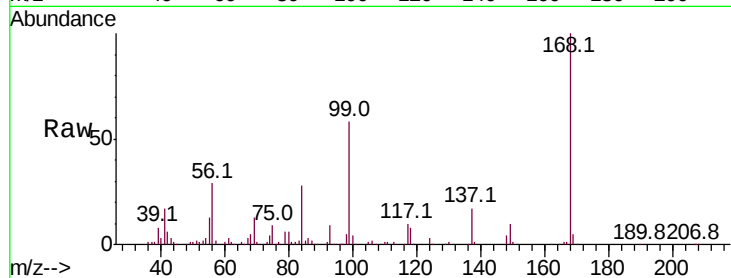
VD0921SBS01

Tot Ion:168 Resp: 418594

Ion Ratio Lower Upper

168 100

99 57.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

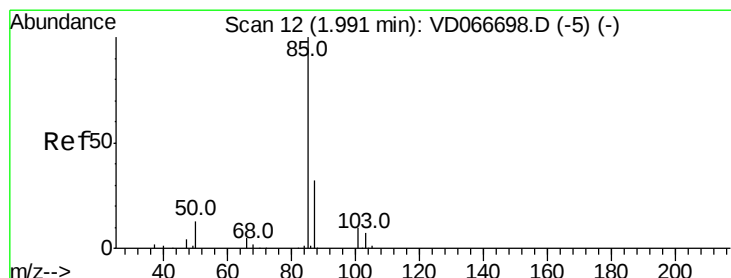
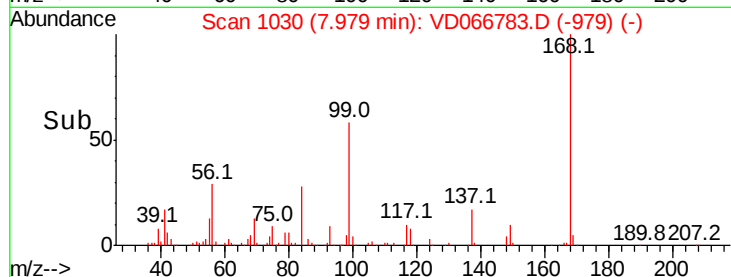
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.219 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066783.D

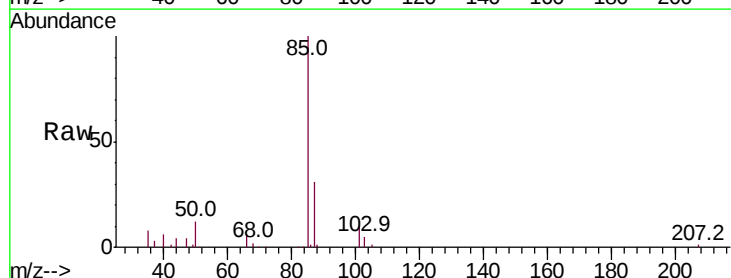
Acq: 21 Sep 2020 15:26

Tgt Ion: 85 Resp: 71380

Ion Ratio Lower Upper

85 100

87 30.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

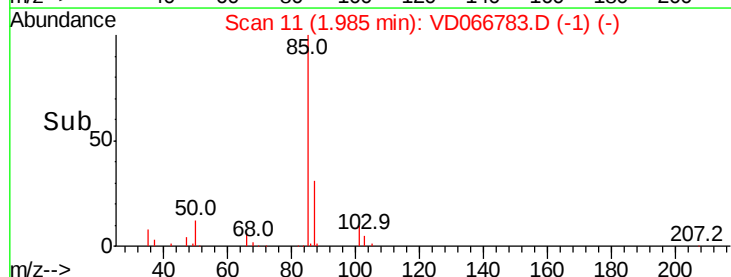
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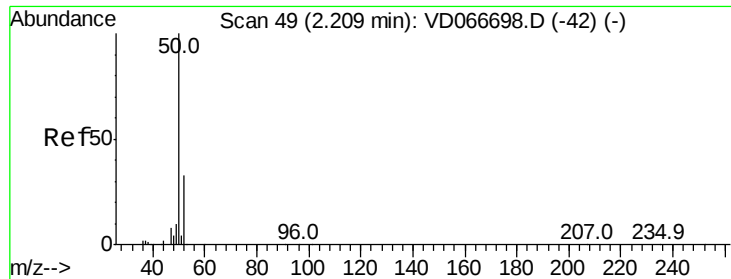
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.875 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

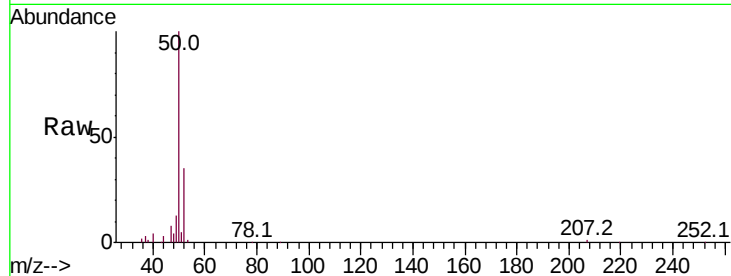
VD0921SBSD01

Tot Ion: 50 Resp: 85980

Ion Ratio Lower Upper

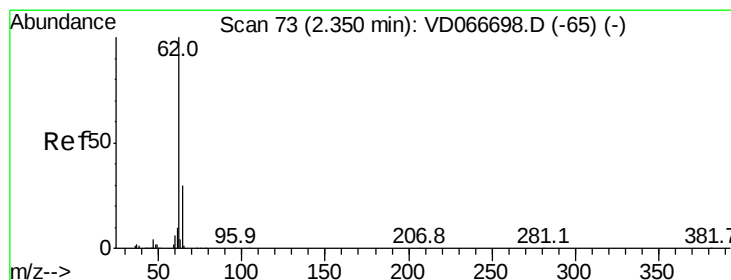
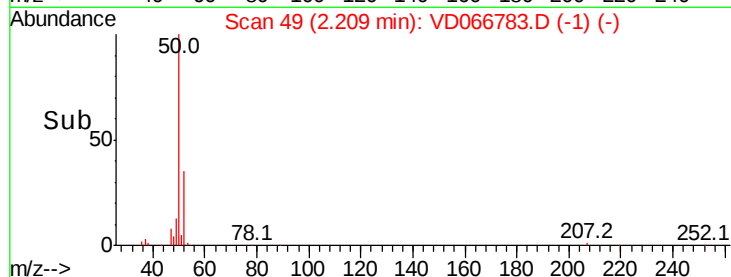
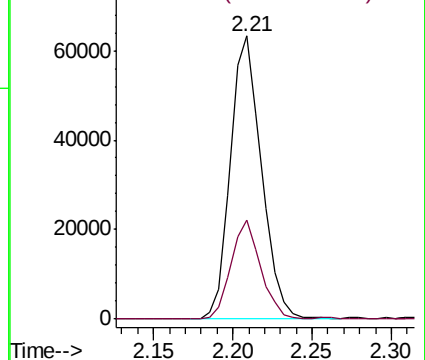
50 100

52 34.8 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.943 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066783.D

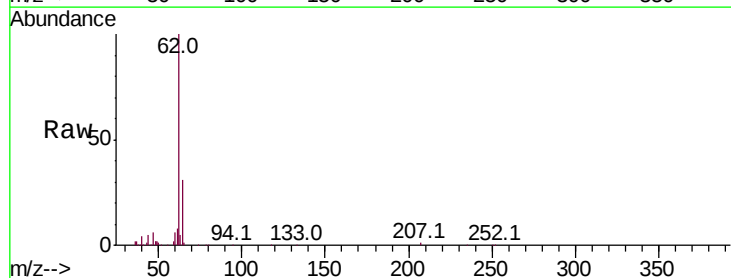
Acq: 21 Sep 2020 15:26

Tgt Ion: 62 Resp: 85542

Ion Ratio Lower Upper

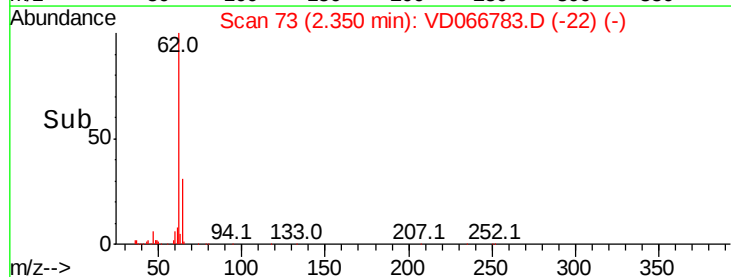
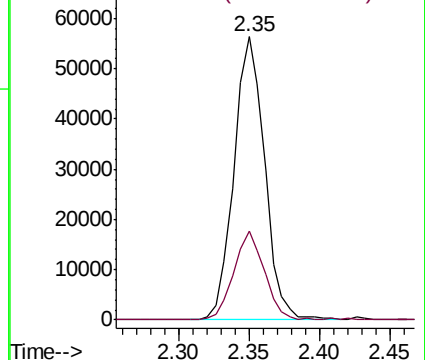
62 100

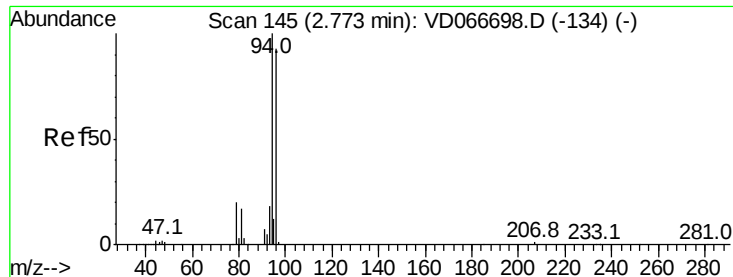
64 31.2 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 17.085 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

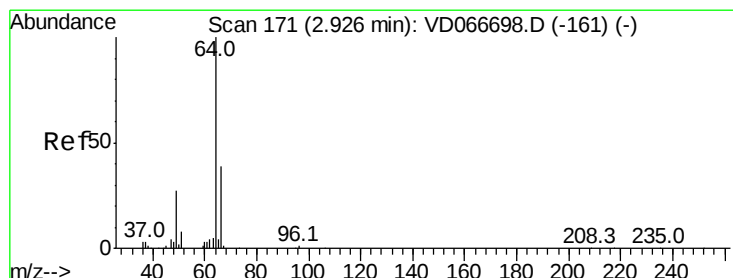
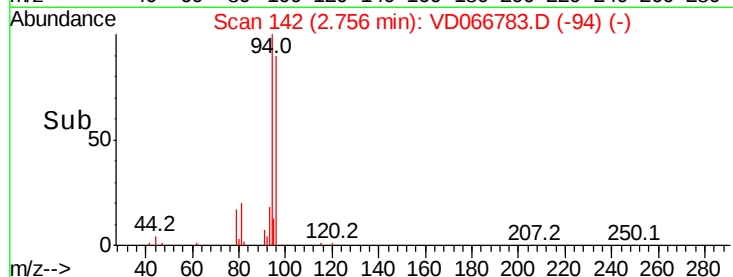
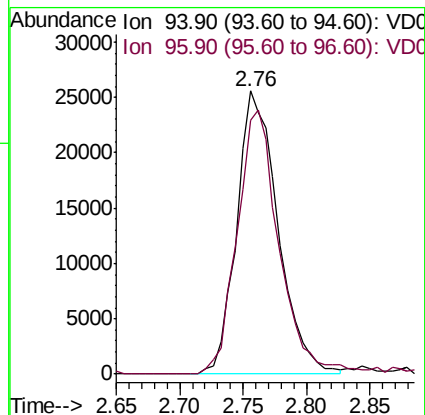
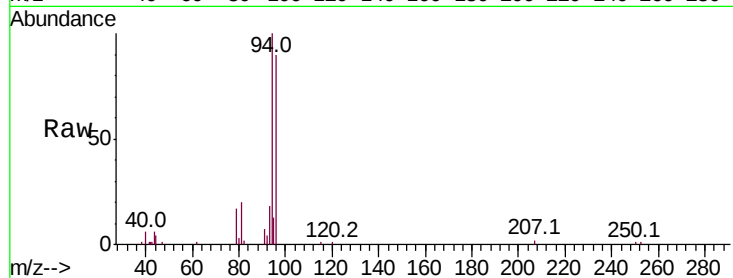
VD0921SBSD01

Tot Ion: 94 Resp: 57779

Ion Ratio Lower Upper

94 100

96 89.8 74.7 112.1



#6

Chloroethane

Concen: 16.879 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066783.D

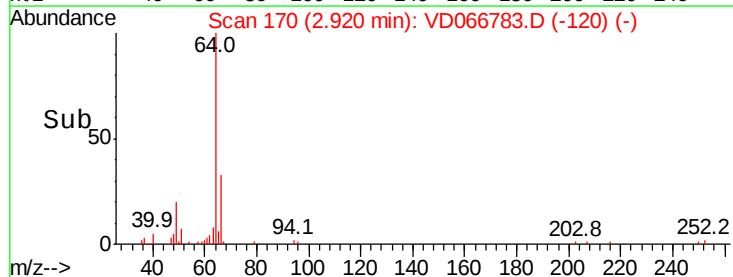
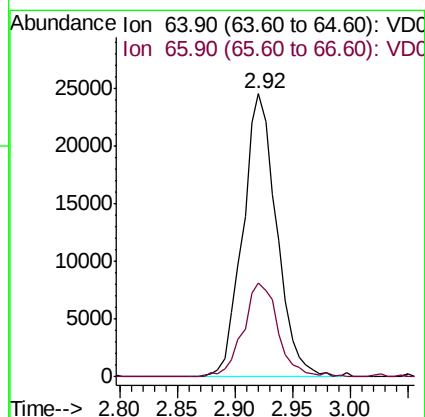
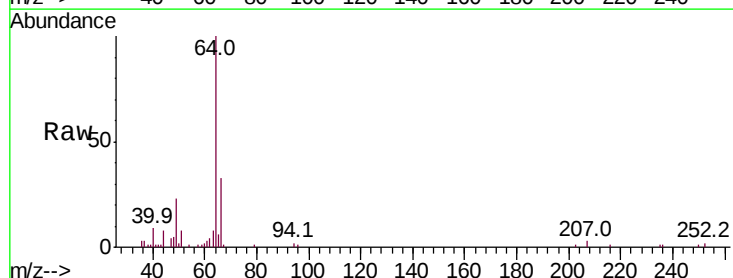
Acq: 21 Sep 2020 15:26

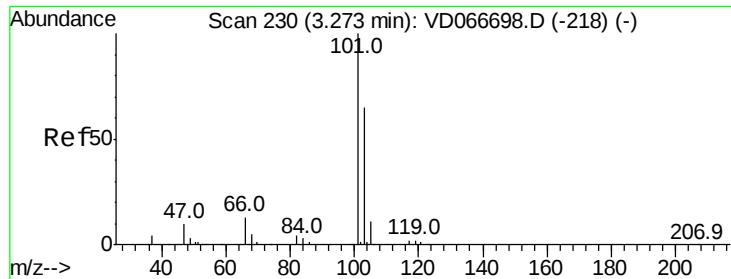
Tgt Ion: 64 Resp: 50129

Ion Ratio Lower Upper

64 100

66 33.4 30.9 46.3



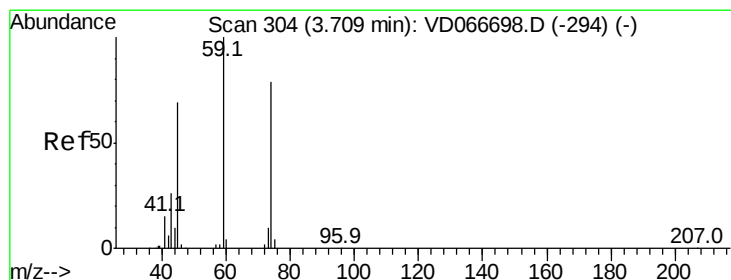
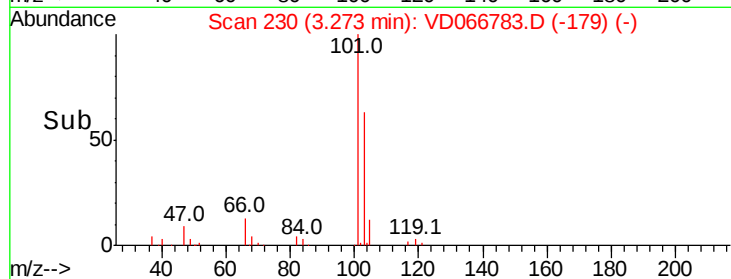
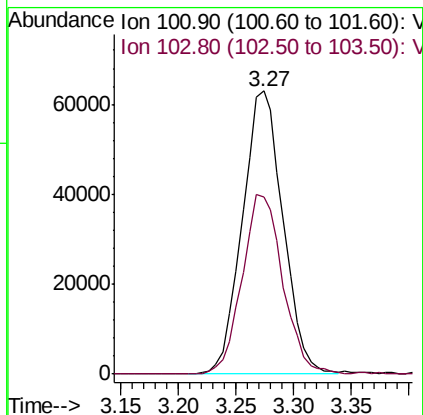
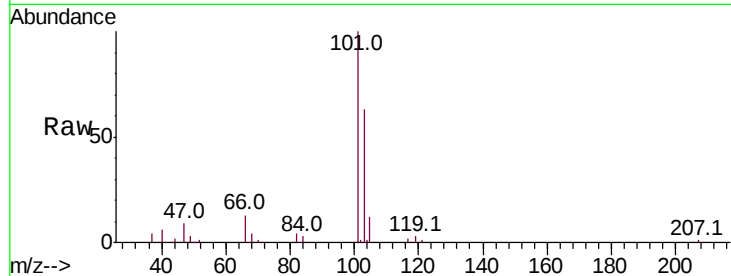


#7

Trichlorofluoromethane
 Concen: 18.722 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

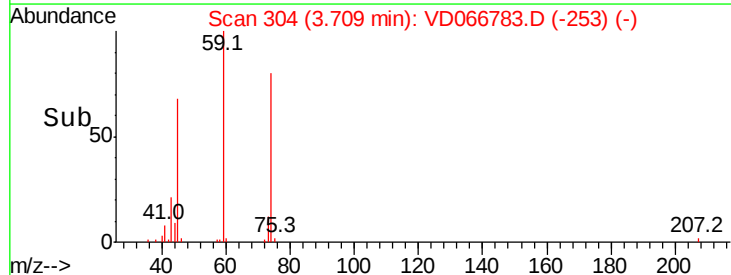
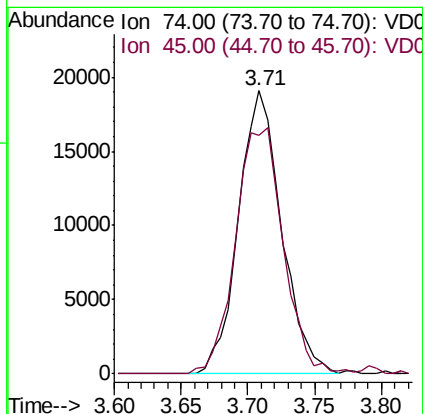
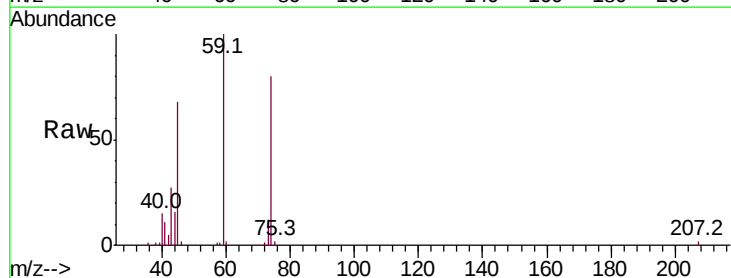
Tot Ion:101 Resp: 154160
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.8 77.8

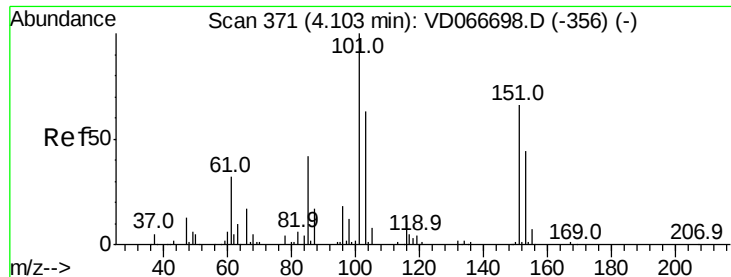


#8

Diethyl Ether
 Concen: 20.724 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion: 74 Resp: 42731
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.0 144.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.025 ug/l

RT: 4.10 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

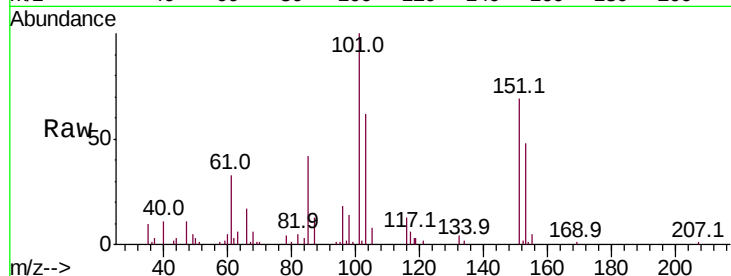
Tot Ion:101 Resp: 86095

Ion Ratio Lower Upper

101 100

85 44.7 36.3 54.5

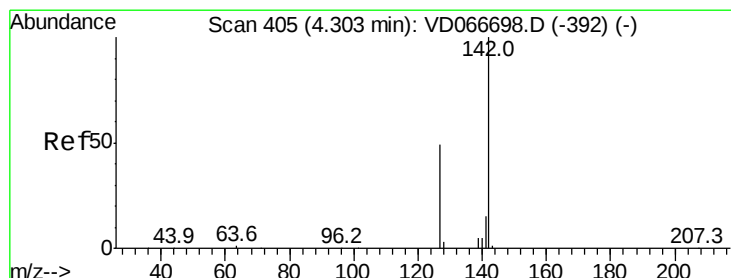
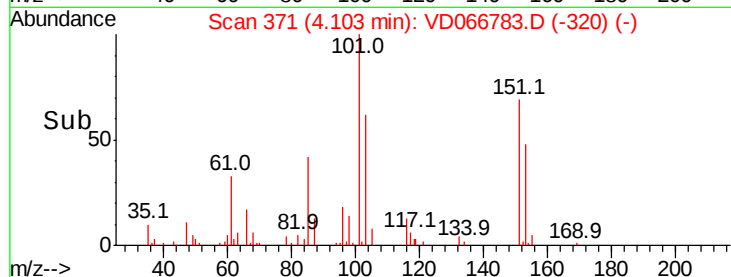
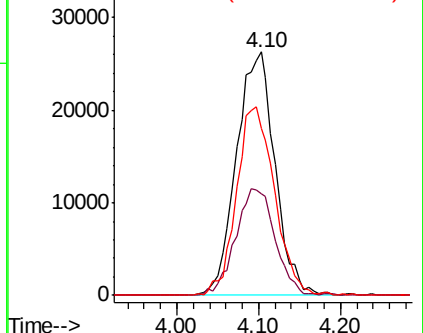
151 76.1 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.245 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

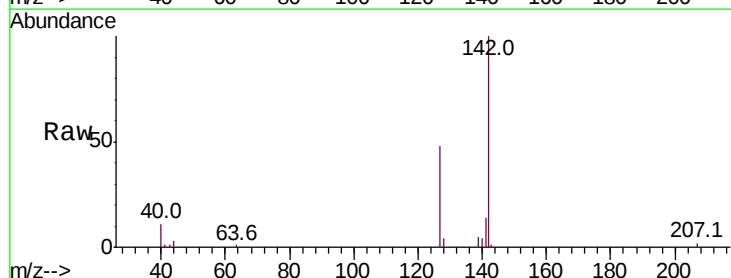
Tgt Ion:142 Resp: 86923

Ion Ratio Lower Upper

142 100

127 47.7 39.0 58.4

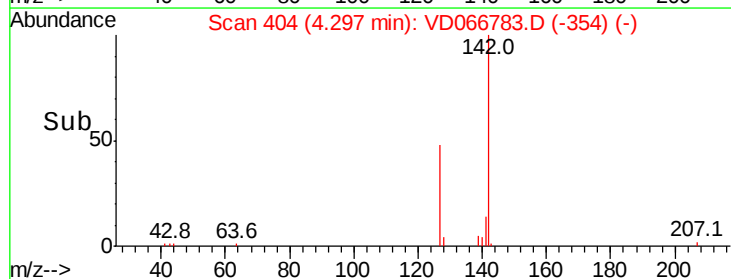
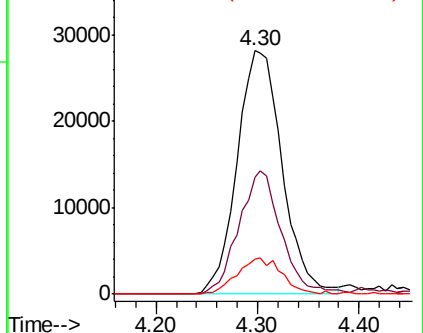
141 14.6 11.7 17.5

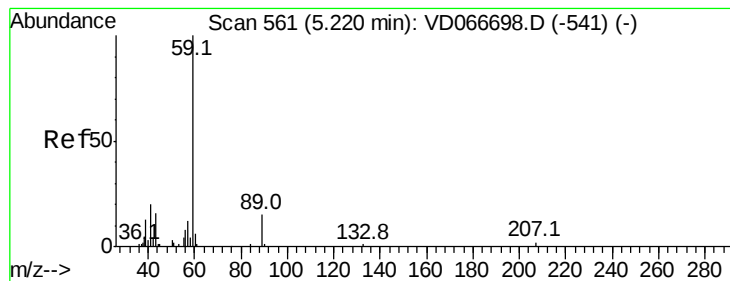


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



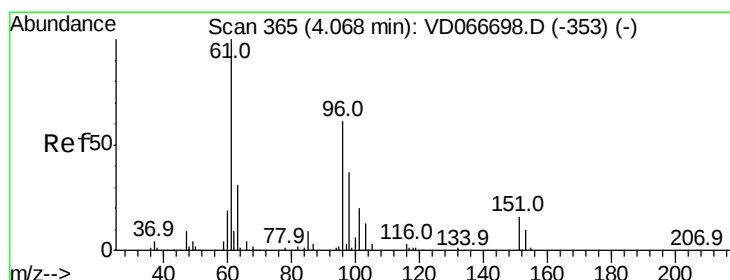
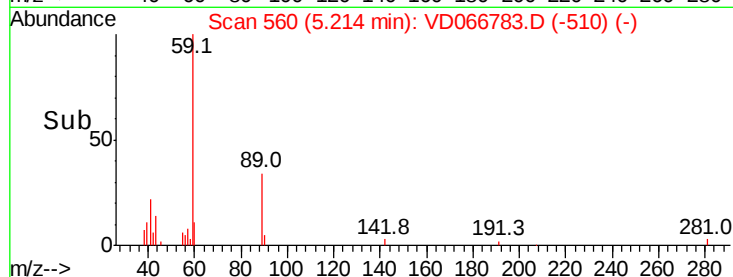
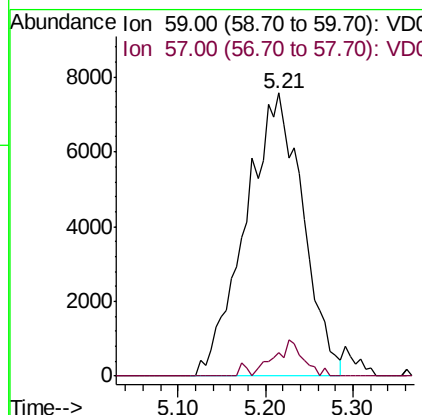
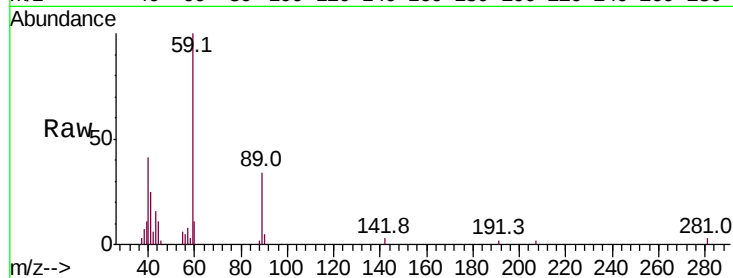


#11

Tert butyl alcohol
 Concen: 67.166 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

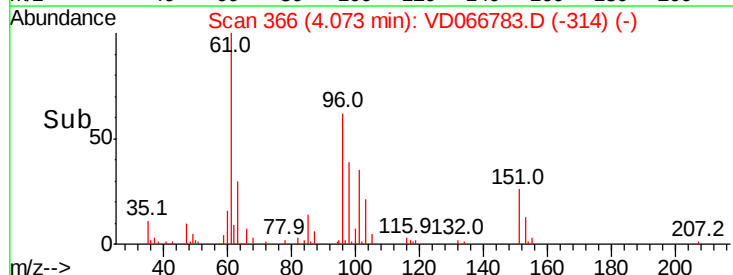
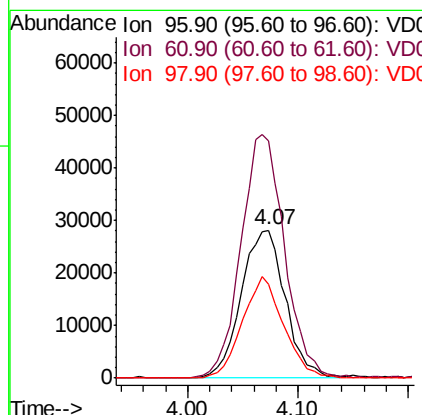
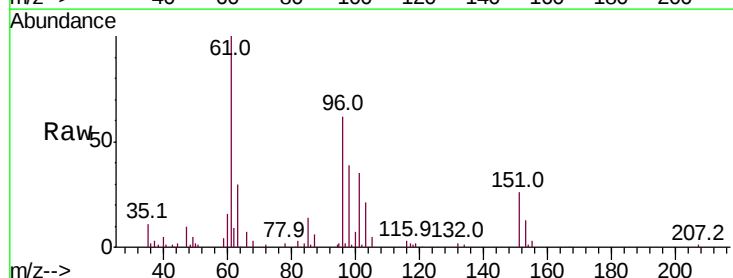
Tot Ion: 59 Resp: 34029
 Ion Ratio Lower Upper
 59 100
 57 6.5 6.7 10.1#

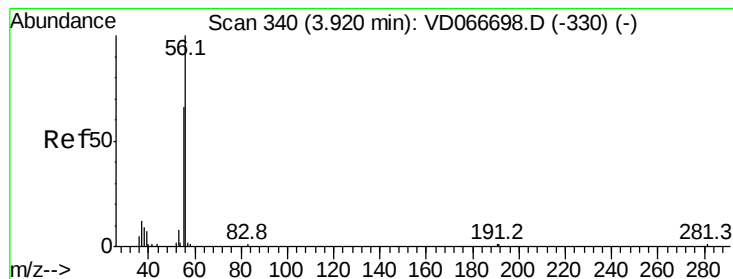


#12

1,1-Dichloroethene
 Concen: 18.789 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion: 96 Resp: 78697
 Ion Ratio Lower Upper
 96 100
 61 160.7 131.9 197.9
 98 63.1 49.1 73.7





#13

Acrolein

Concen: 82.889 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

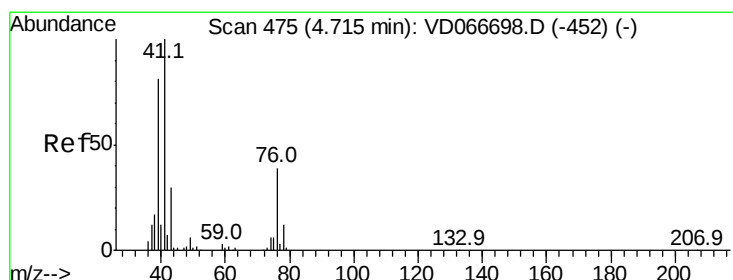
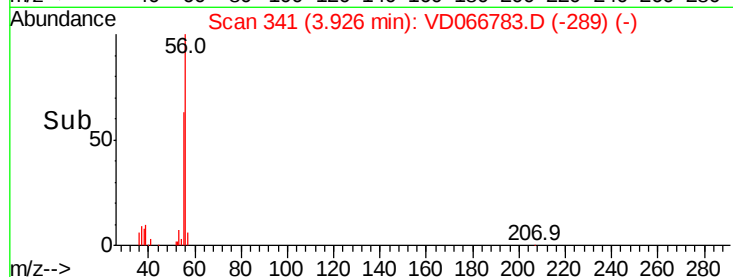
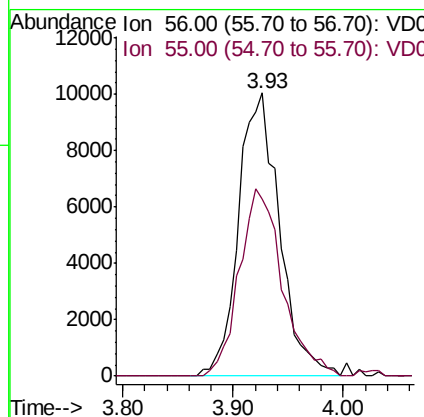
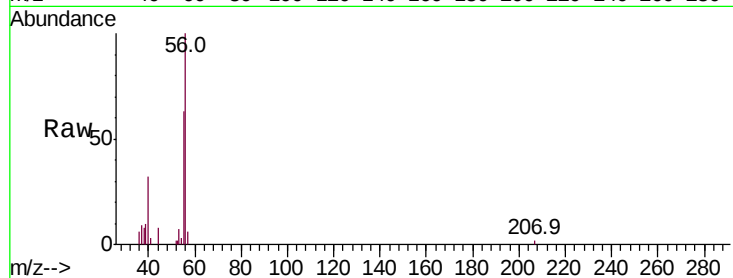
VD0921SBSD01

Tot Ion: 56 Resp: 26109

Ion Ratio Lower Upper

56 100

55 69.8 54.7 82.1



#14

Allyl chloride

Concen: 18.311 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

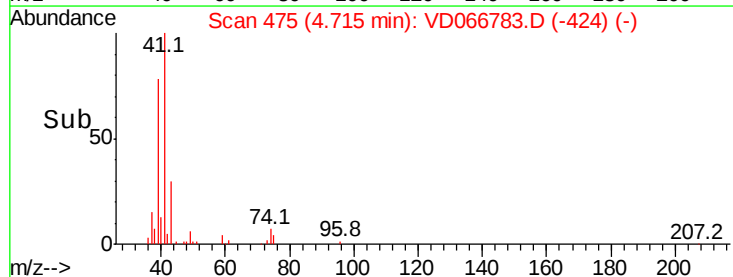
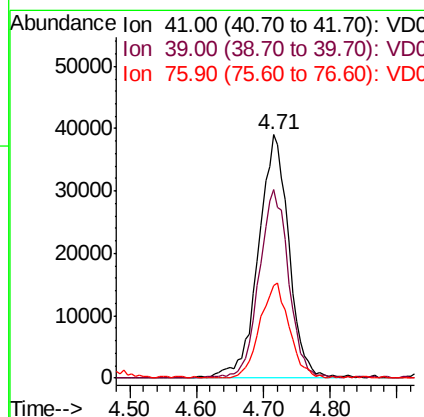
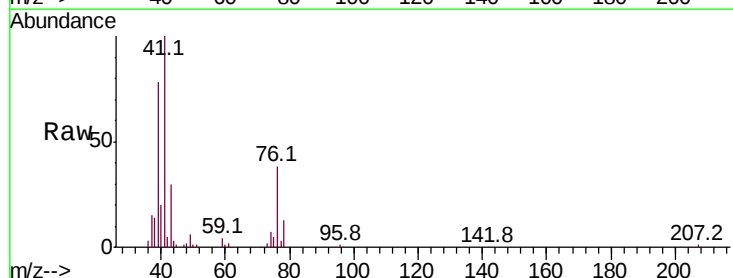
Tgt Ion: 41 Resp: 123167

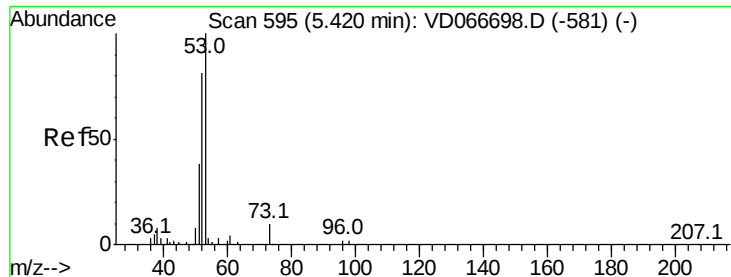
Ion Ratio Lower Upper

41 100

39 75.3 60.6 90.8

76 37.4 29.2 43.8





#15

Acrylonitrile

Concen: 100.855 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

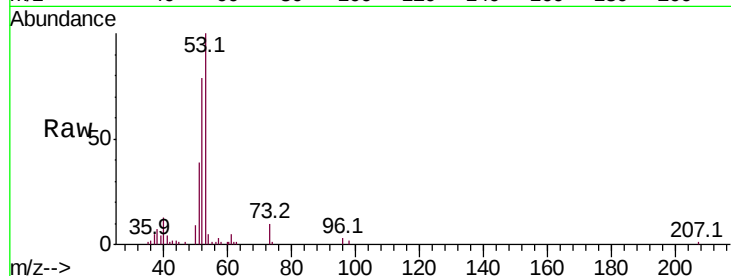
Tot Ion: 53 Resp: 91098

Ion Ratio Lower Upper

53 100

52 80.6 66.6 99.8

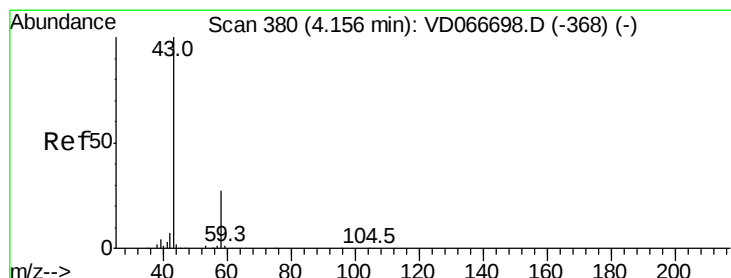
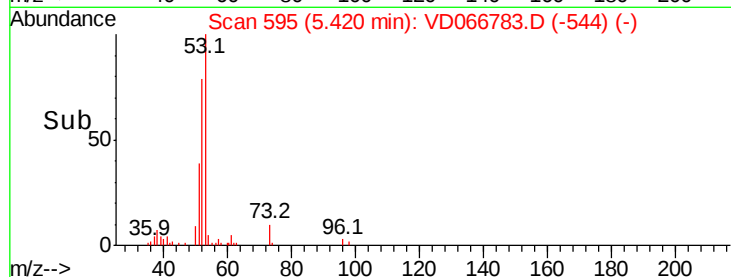
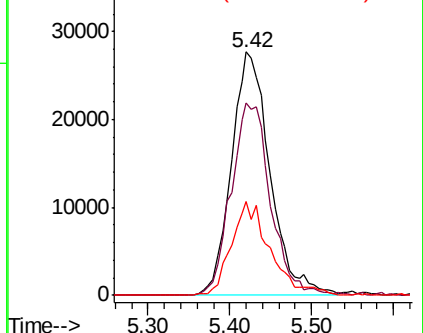
51 38.4 31.0 46.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 88.663 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066783.D

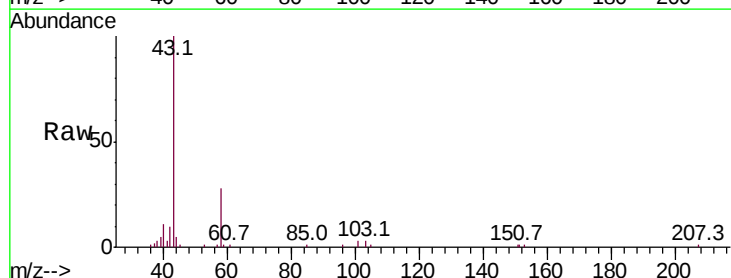
Acq: 21 Sep 2020 15:26

Tgt Ion: 43 Resp: 80637

Ion Ratio Lower Upper

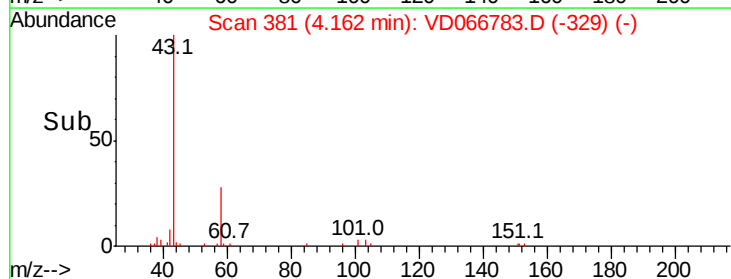
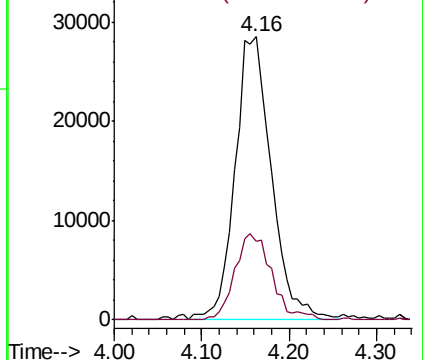
43 100

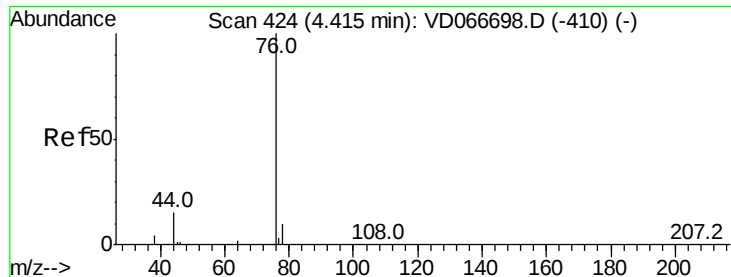
58 27.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.318 ug/l

RT: 4.41 min Scan# 424

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

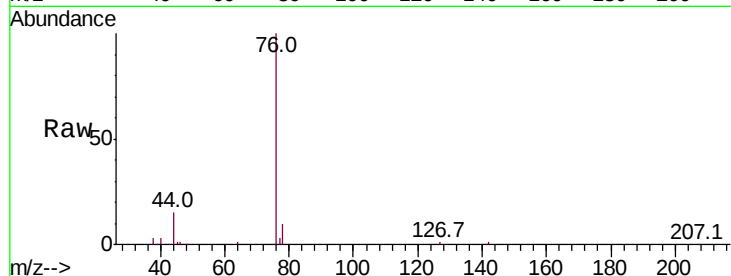
VD0921SBSD01

Tot Ion: 76 Resp: 254254

Ion Ratio Lower Upper

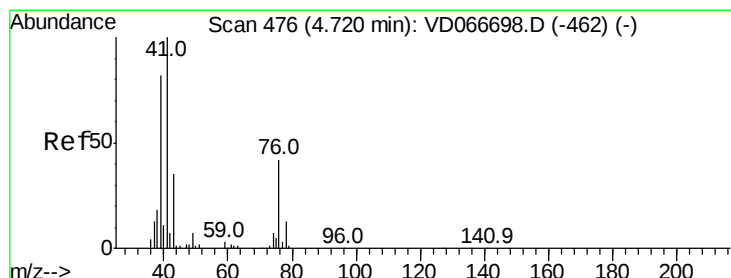
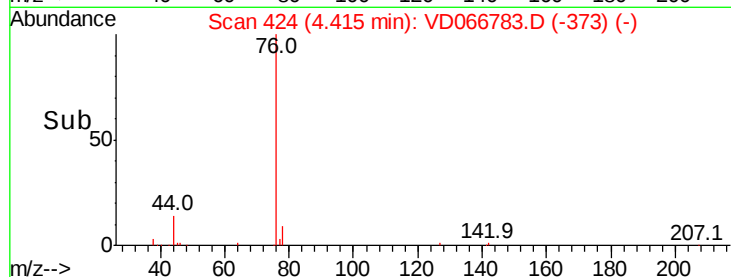
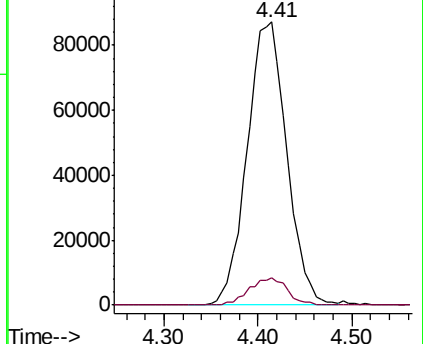
76 100

78 9.7 8.0 12.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.607 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD066783.D

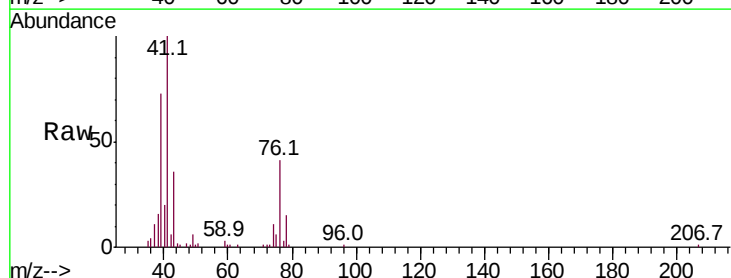
Acq: 21 Sep 2020 15:26

Tgt Ion: 43 Resp: 42317

Ion Ratio Lower Upper

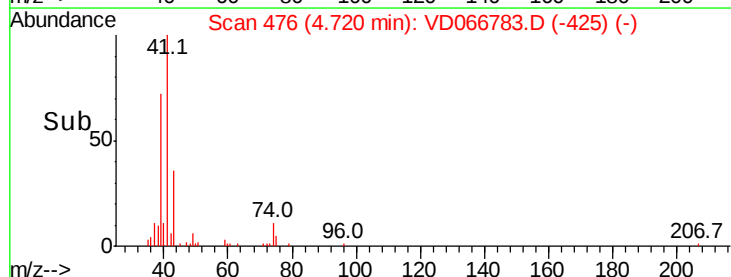
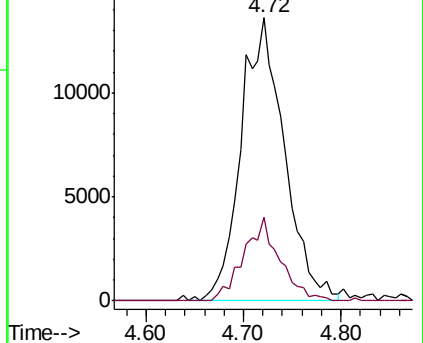
43 100

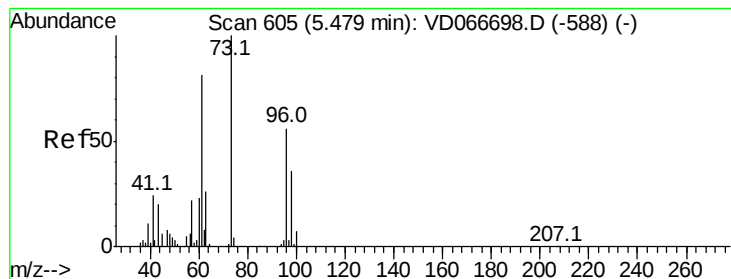
74 24.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



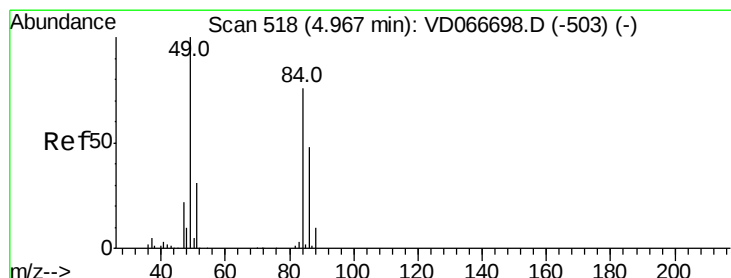
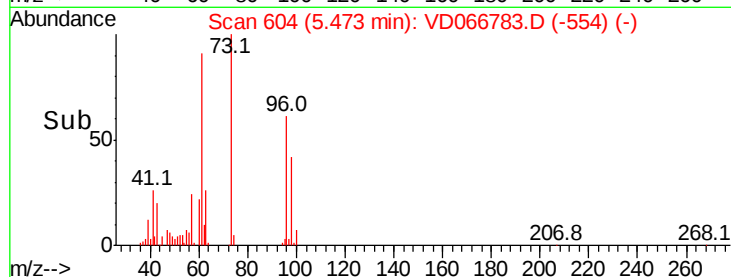
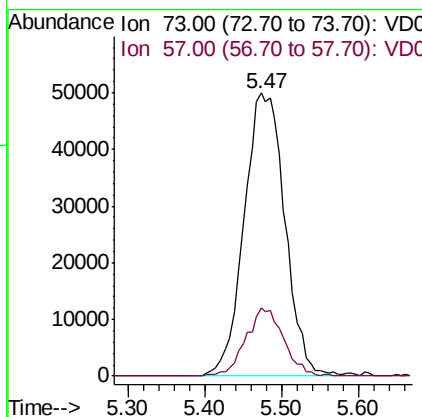
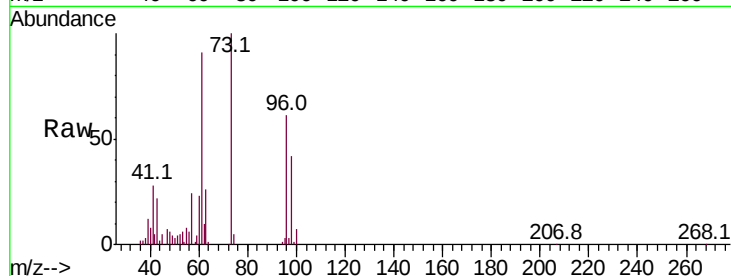


#19

Methyl tert-butyl Ether
 Concen: 19.814 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

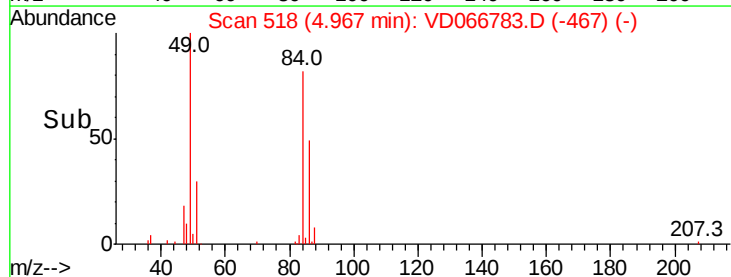
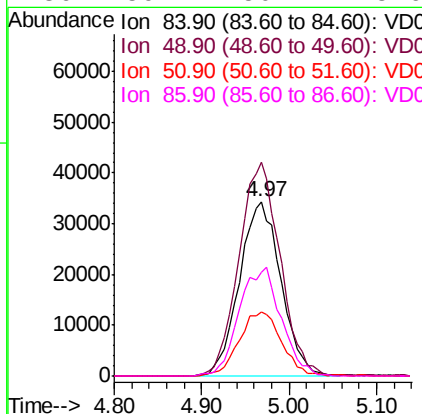
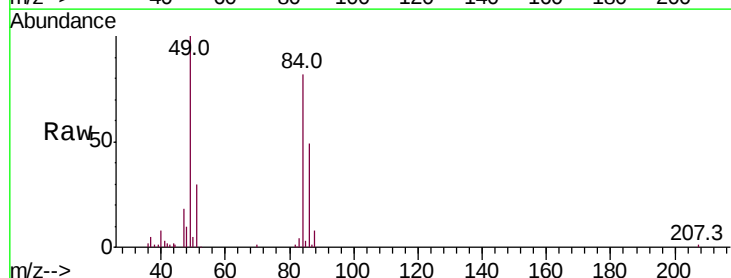
Tot Ion: 73 Resp: 184857
 Ion Ratio Lower Upper
 73 100
 57 24.4 17.8 26.6

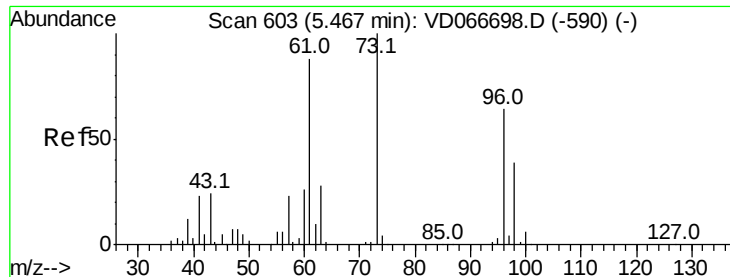


#20

Methylene Chloride
 Concen: 17.989 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion: 84 Resp: 110987
 Ion Ratio Lower Upper
 84 100
 49 122.3 105.0 157.6
 51 36.8 32.2 48.4
 86 59.4 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 19.819 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

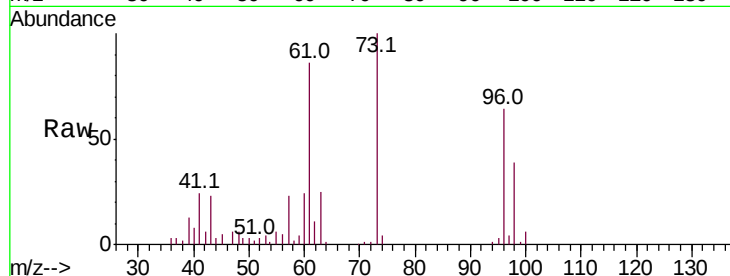
Tot Ion: 96 Resp: 96712

Ion Ratio Lower Upper

96 100

61 133.1 110.6 166.0

98 61.0 49.2 73.8

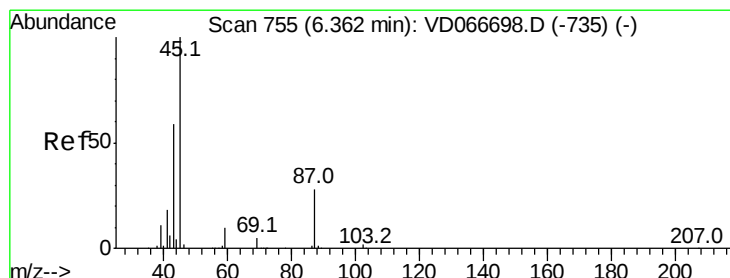
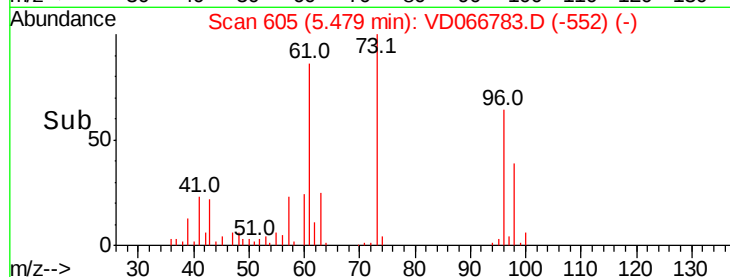
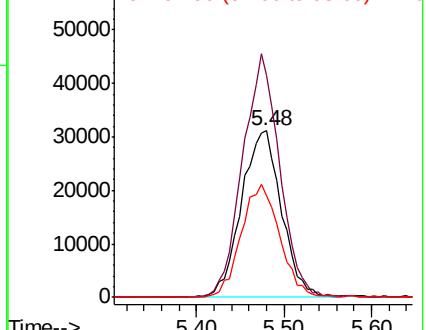


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.170 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Tgt Ion: 45 Resp: 275685

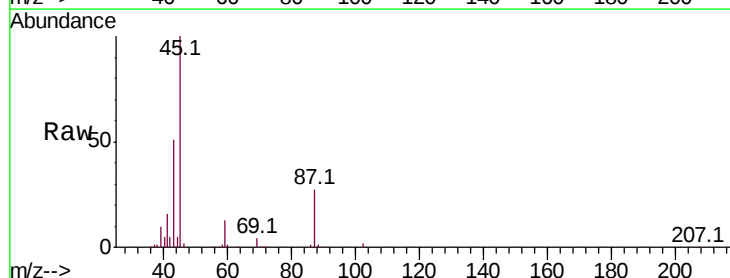
Ion Ratio Lower Upper

45 100

43 50.2 46.9 70.3

87 27.0 22.4 33.6

59 13.0 8.5 12.7#



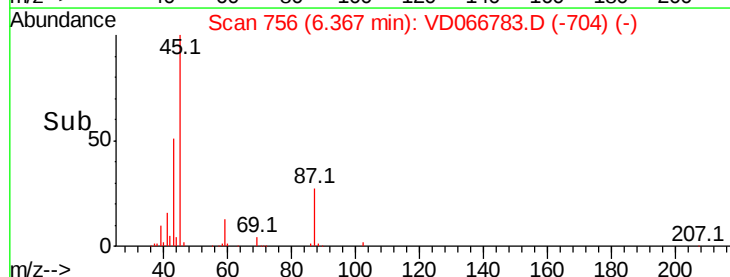
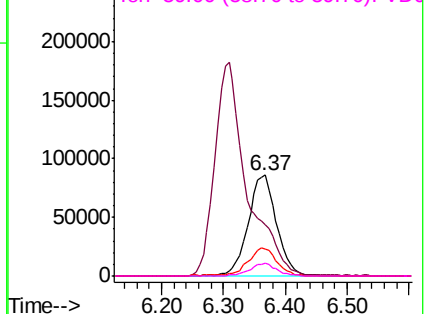
Abundance

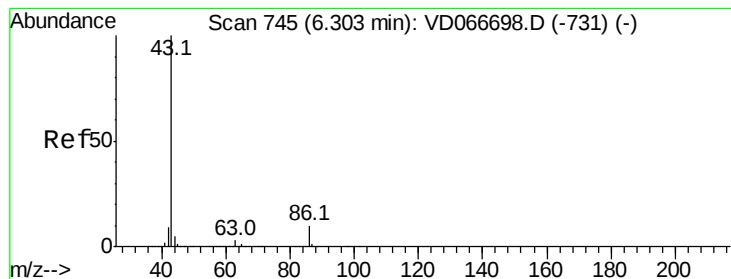
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 86.275 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

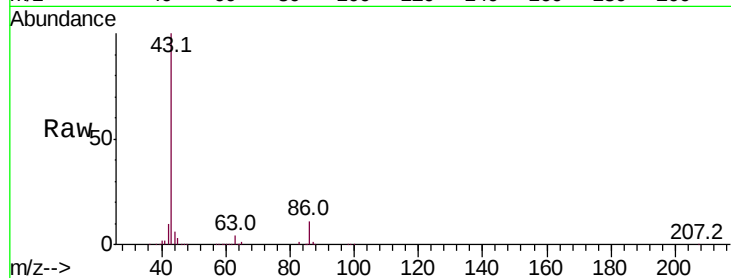
VD0921SBSD01

Tot Ion: 43 Resp: 655921

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

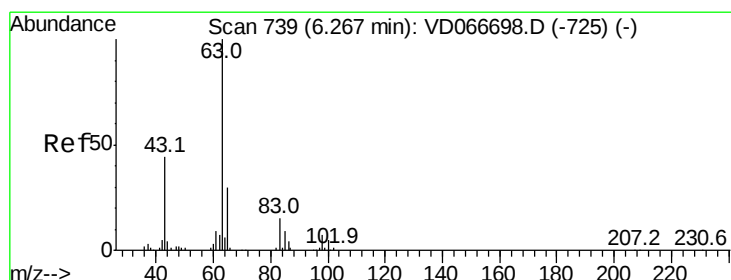
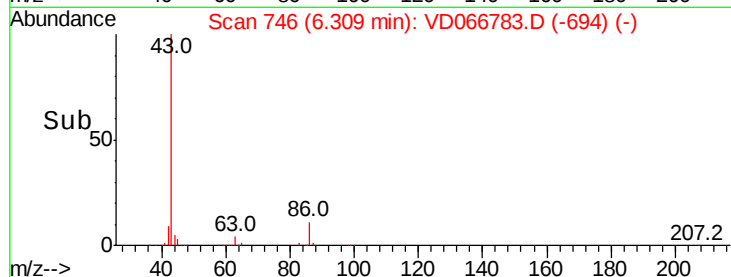
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.633 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

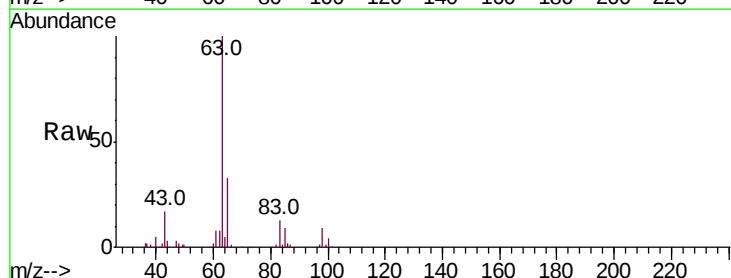
Tgt Ion: 63 Resp: 170281

Ion Ratio Lower Upper

63 100

98 8.7 3.4 10.2

100 4.0 2.6 8.0



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

6.26

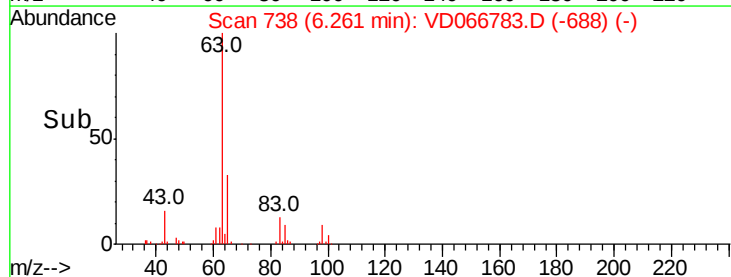
60000

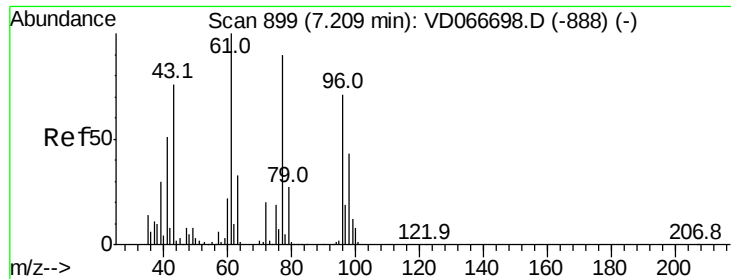
40000

20000

0

Time-->





#25

2-Butanone

Concen: 90.544 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

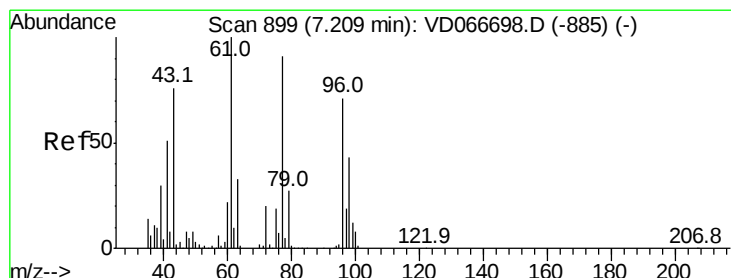
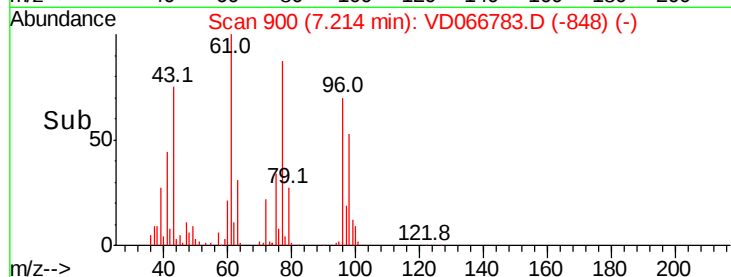
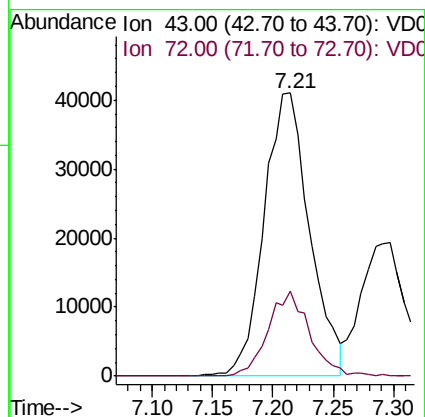
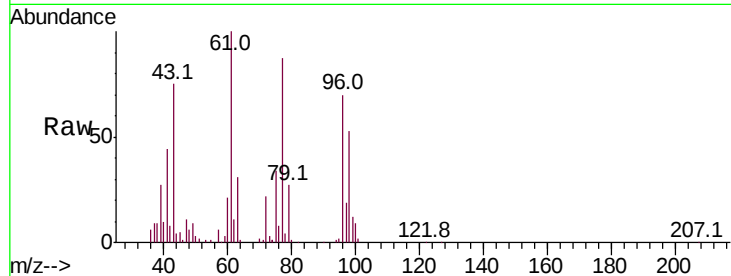
VD0921SBSD01

Tot Ion: 43 Resp: 107229

Ion Ratio Lower Upper

43 100

72 29.9 21.0 31.4



#26

2,2-Dichloropropane

Concen: 18.818 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066783.D

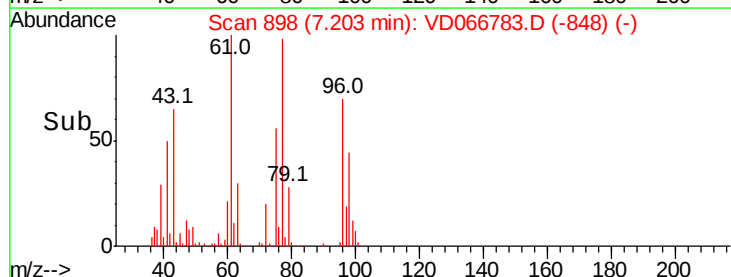
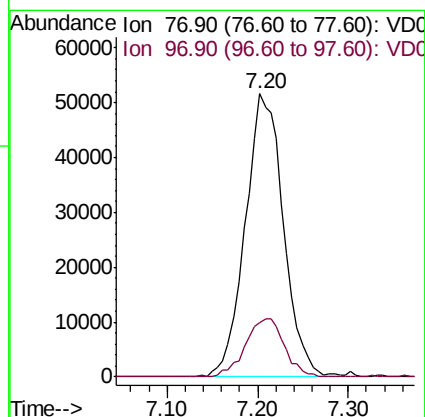
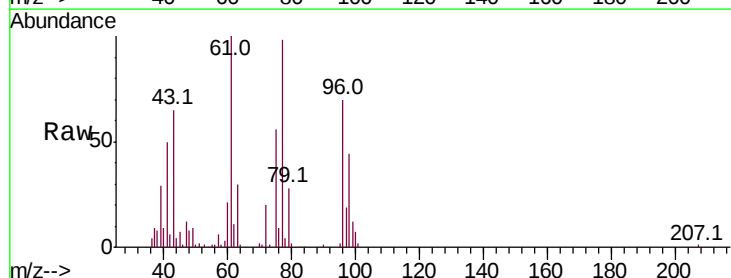
Acq: 21 Sep 2020 15:26

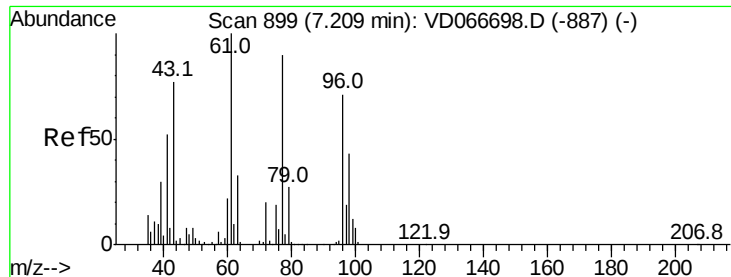
Tgt Ion: 77 Resp: 150924

Ion Ratio Lower Upper

77 100

97 21.0 10.6 31.8



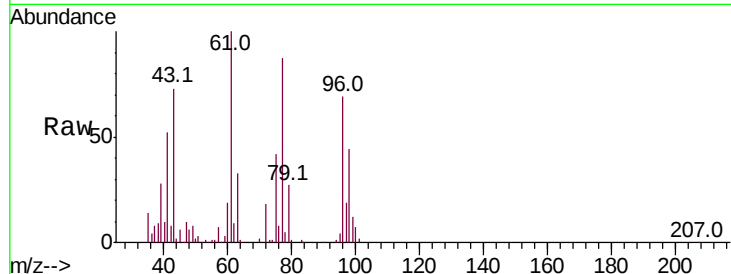


#27

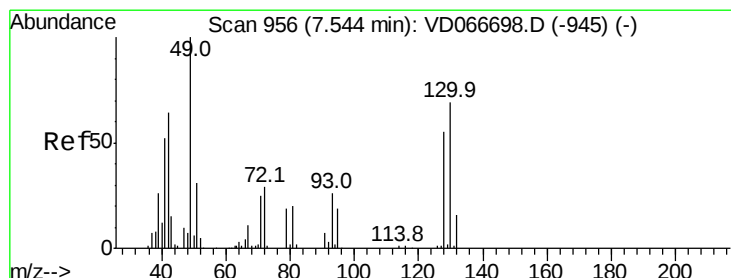
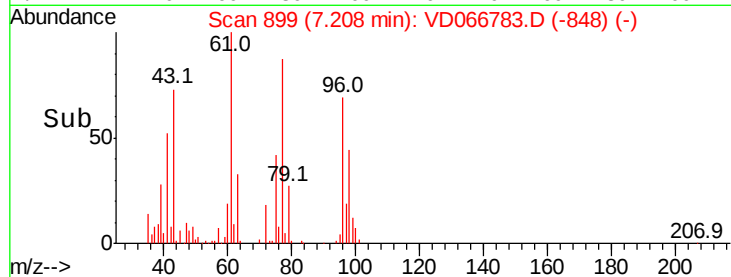
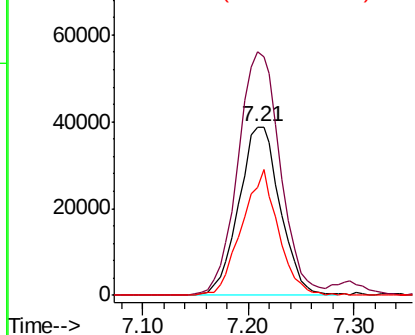
cis-1,2-Dichloroethene
 Concen: 19.759 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

Tot Ion	96	Resp	105487
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	292.4
98	66.0	0.0	127.0



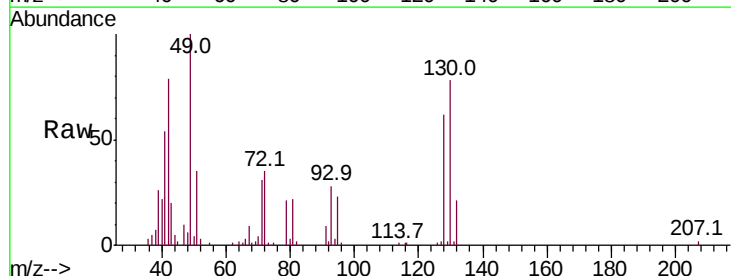
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



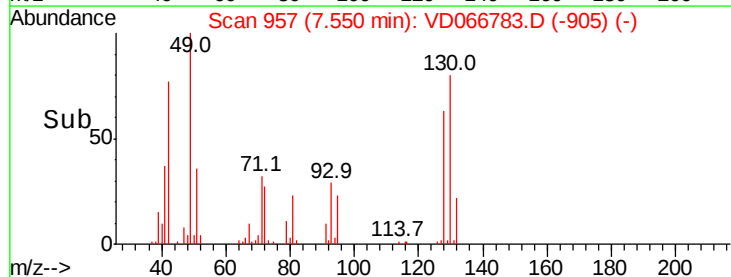
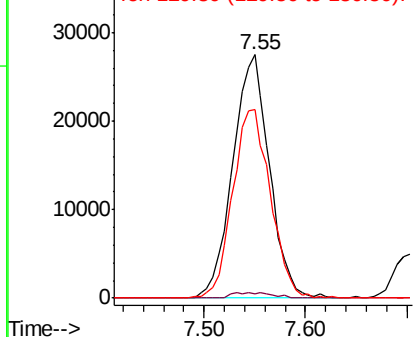
#28

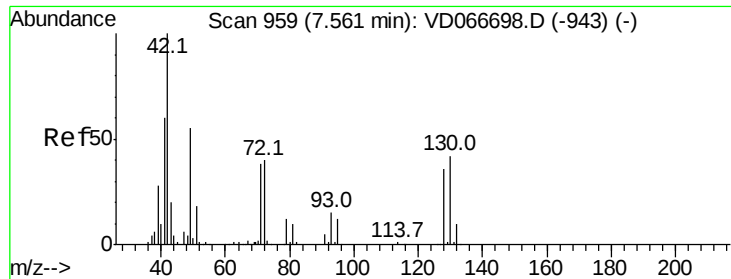
Bromochloromethane
 Concen: 21.278 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion	49	Resp	68932
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.8
130	79.6	58.6	88.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

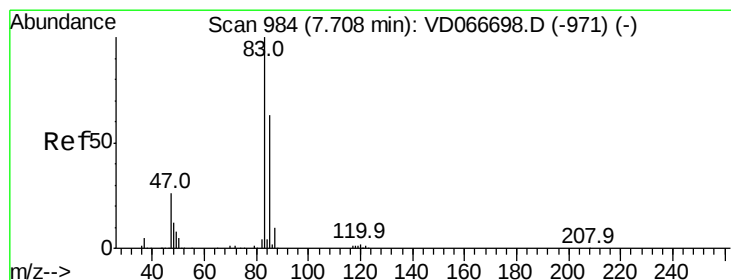
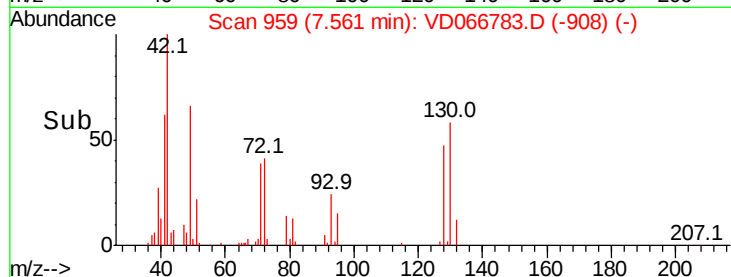
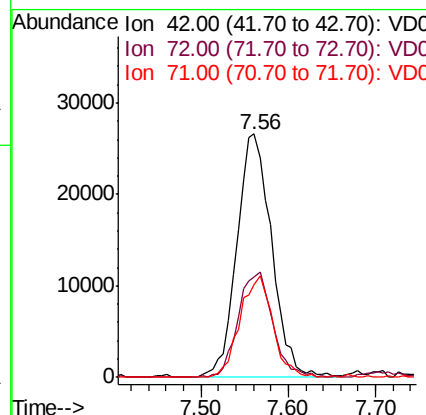
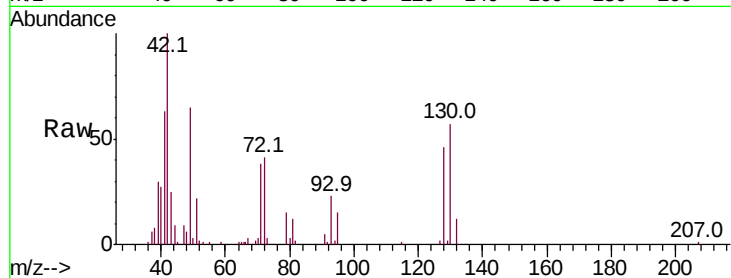




#29
Tetrahydrofuran
Concen: 99.168 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

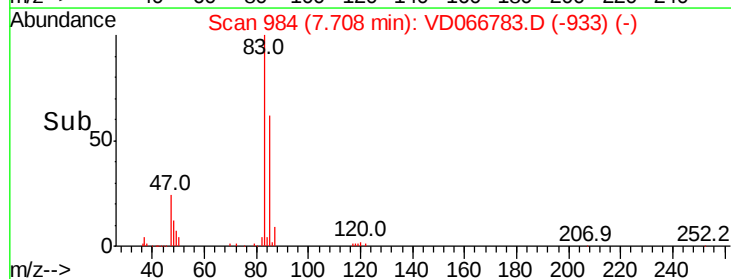
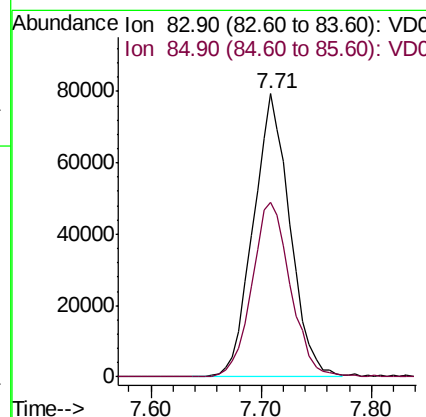
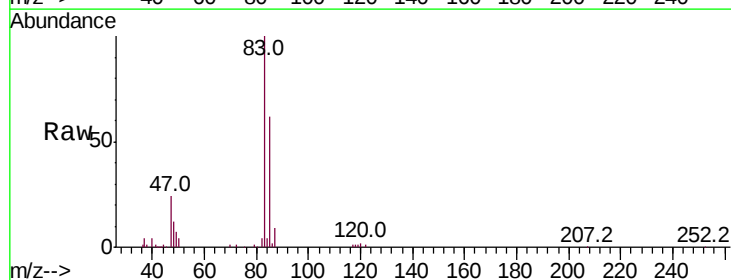
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

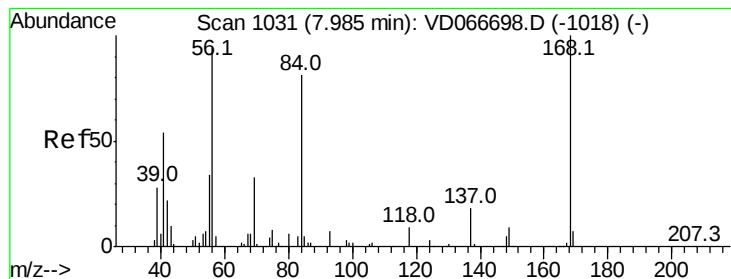
Tot Ion: 42 Resp: 71855
Ion Ratio Lower Upper
42 100
72 42.7 32.6 48.8
71 39.2 30.6 45.8



#30
Chloroform
Concen: 20.043 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 83 Resp: 185013
Ion Ratio Lower Upper
83 100
85 61.6 50.6 76.0





#31

Cyclohexane

Concen: 18.401 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleID :

VD0921SBS01

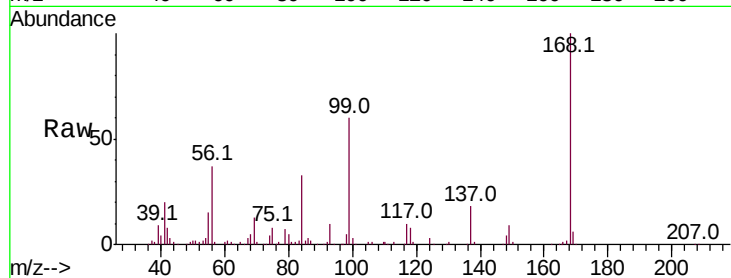
Tot Ion: 56 Resp: 145167

Ion Ratio Lower Upper

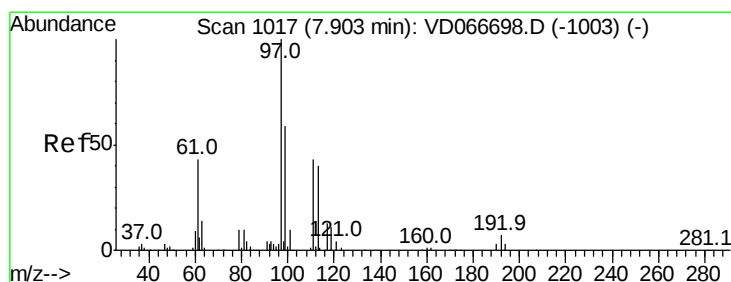
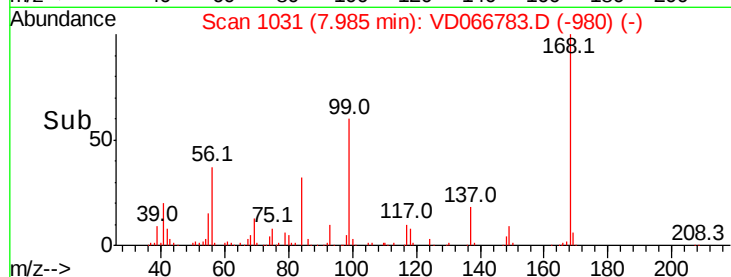
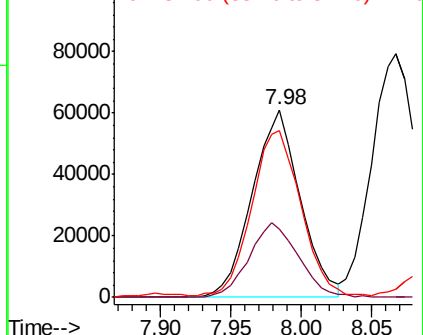
56 100

69 36.2 27.7 41.5

84 88.1 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 18.972 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

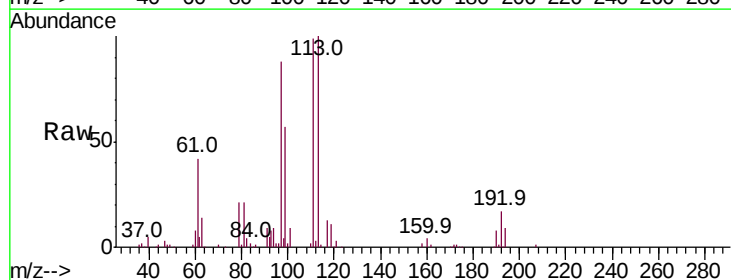
Tgt Ion: 97 Resp: 160250

Ion Ratio Lower Upper

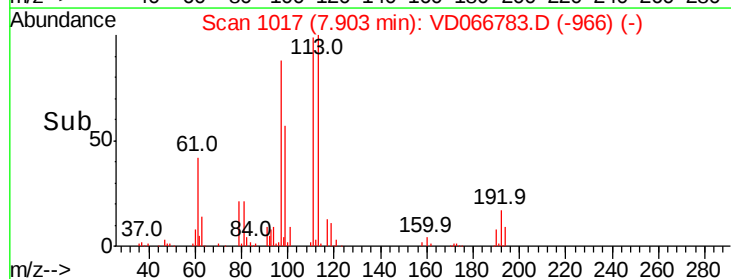
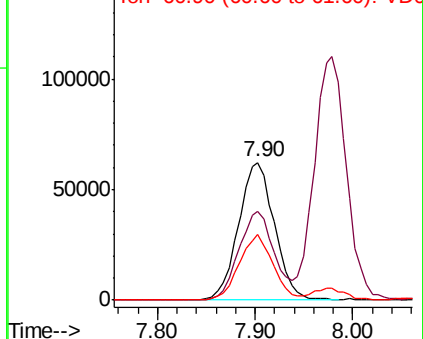
97 100

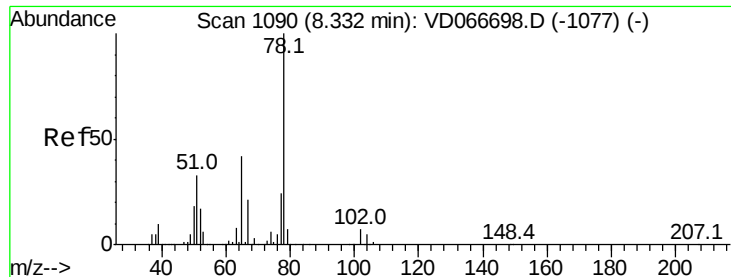
99 63.8 51.0 76.4

61 44.7 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.962 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

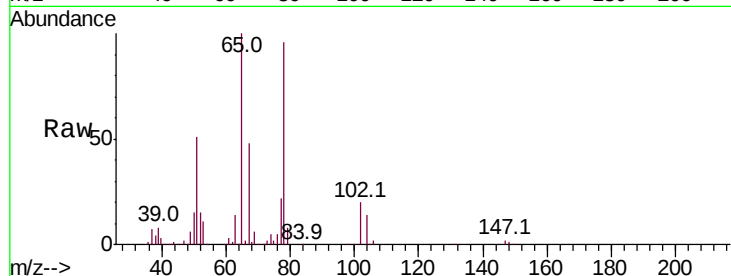
VD0921SBSD01

Tot Ion: 65 Resp: 218670

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

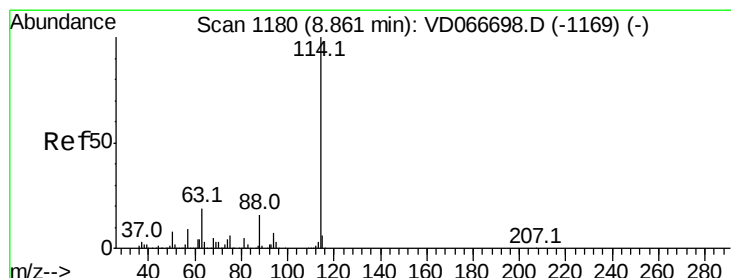
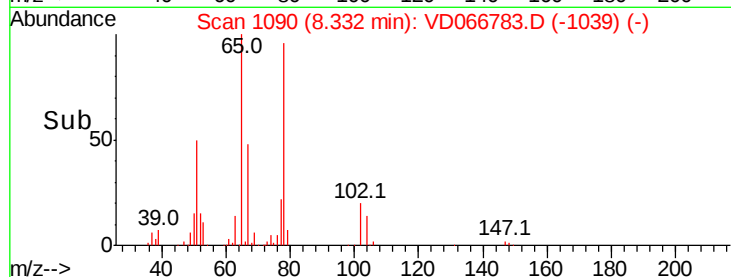
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

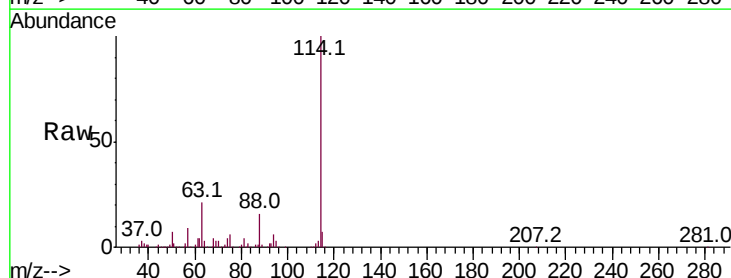
Tgt Ion: 114 Resp: 696444

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.6

88 15.7 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

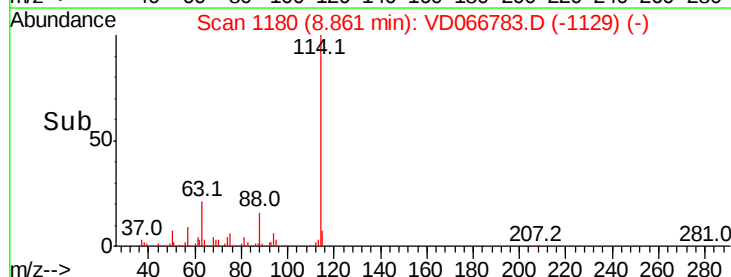
300000

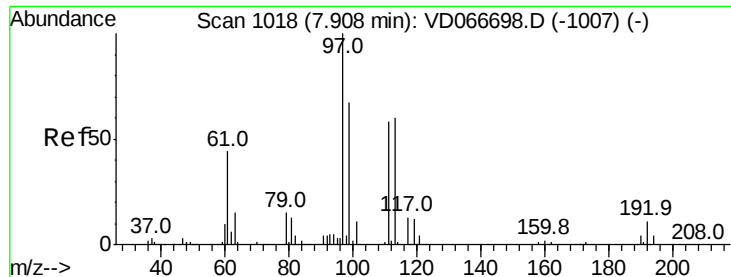
200000

100000

0

Time-->

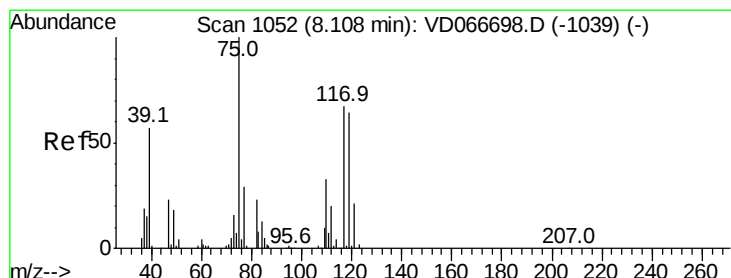
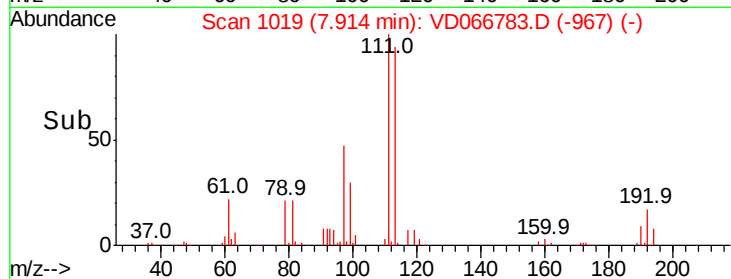
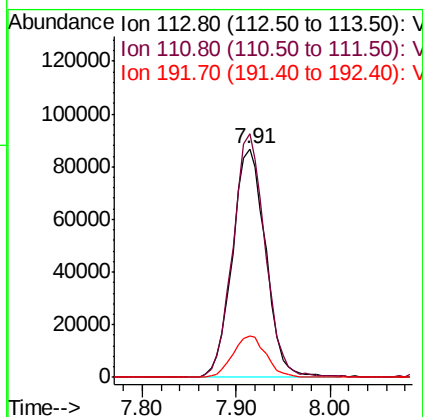
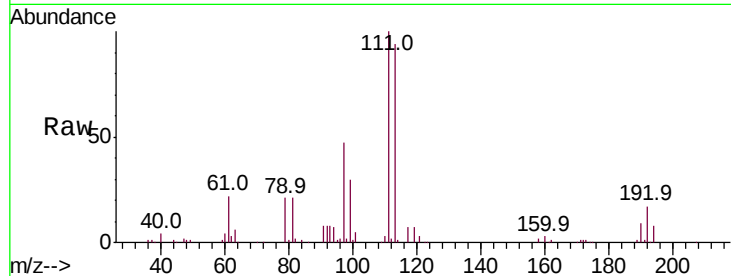




#35
 Dibromofluoromethane
 Concen: 50.042 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

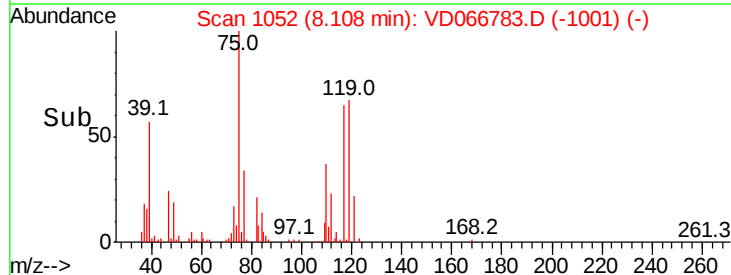
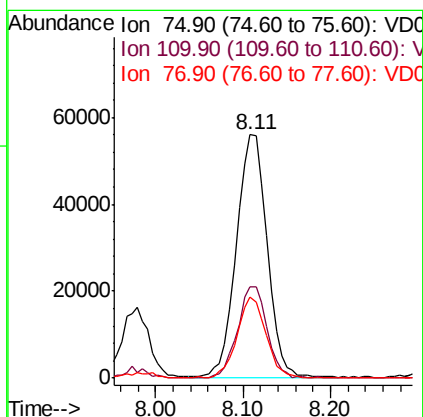
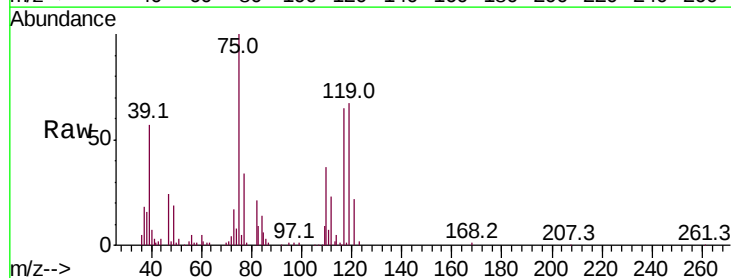
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

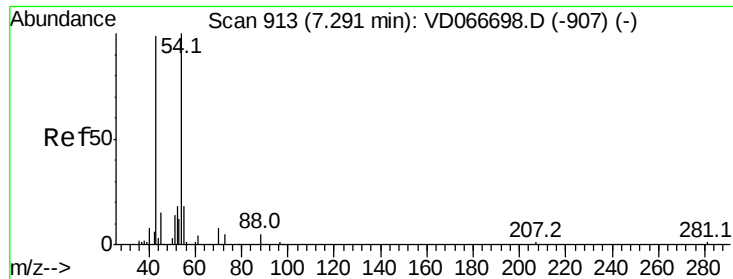
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.2	124.8
192	17.9	14.8	22.2



#36
 1,1-Dichloropropene
 Concen: 18.549 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.1	51.2
77	31.6	25.0	37.6

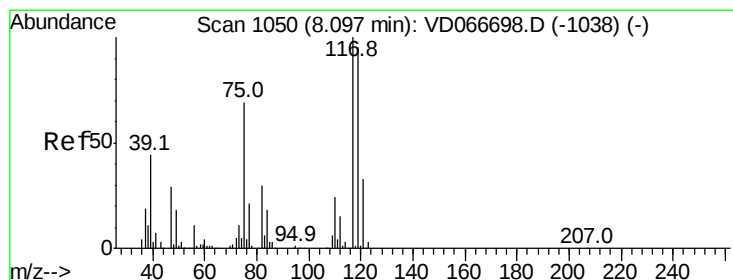
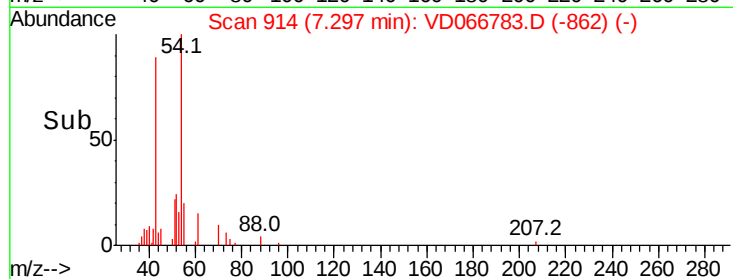
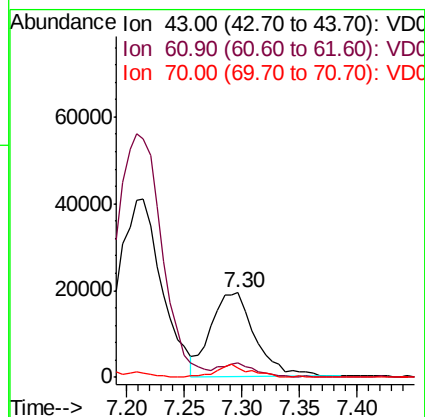
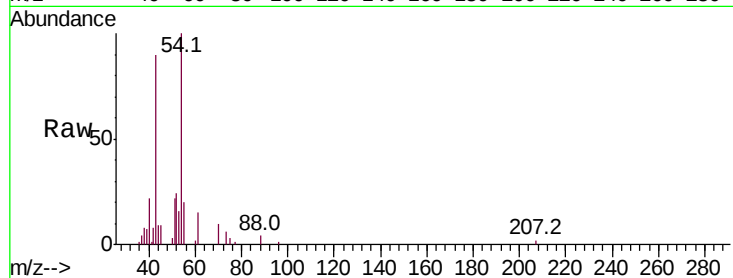




#37
Ethyl Acetate
Concen: 19.066 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

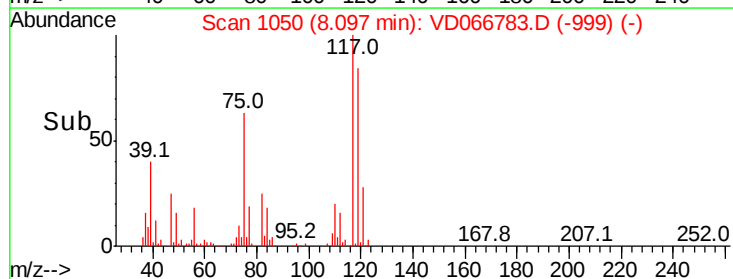
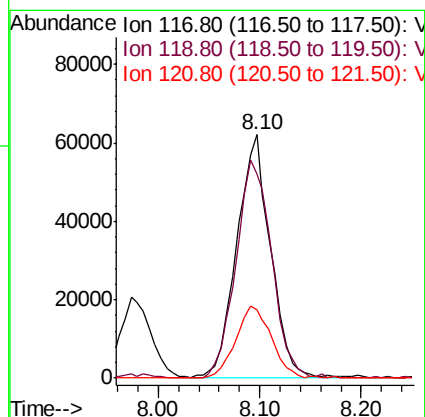
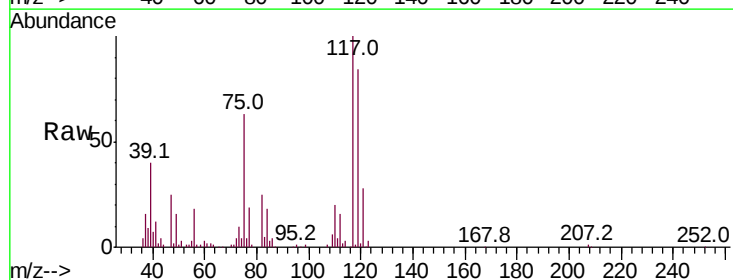
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

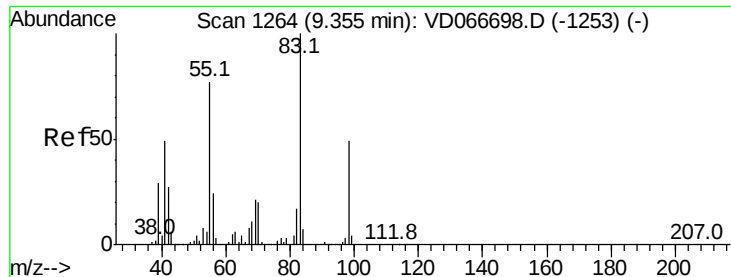
Tot Ion: 43 Resp: 51683
Ion Ratio Lower Upper
43 100
61 13.3 10.4 15.6
70 11.6 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 18.672 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 117 Resp: 141985
Ion Ratio Lower Upper
117 100
119 84.2 75.8 113.6
121 28.4 26.2 39.4

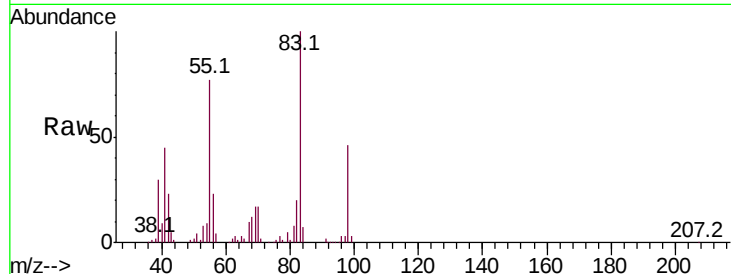




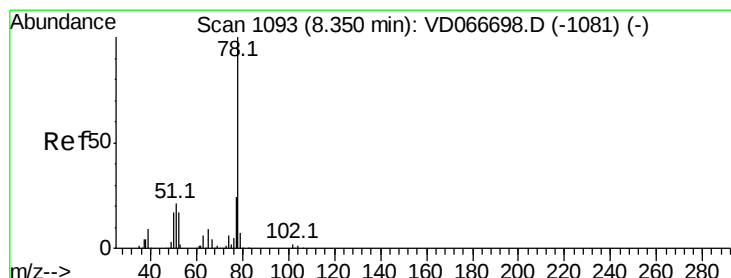
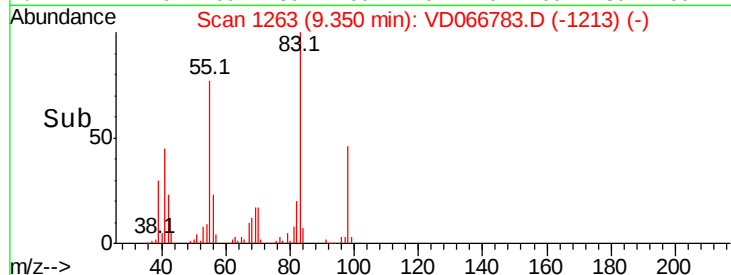
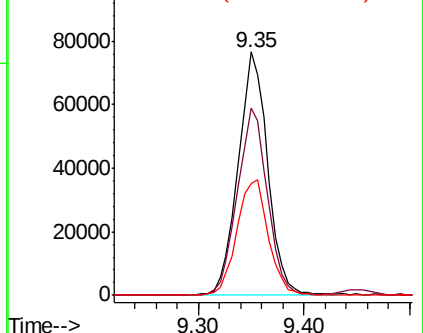
#39
Methvlcvclohexane
Concen: 18.152 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion: 83 Resp: 148670
Ion Ratio Lower Upper
83 100
55 76.9 61.5 92.3
98 46.0 39.3 58.9

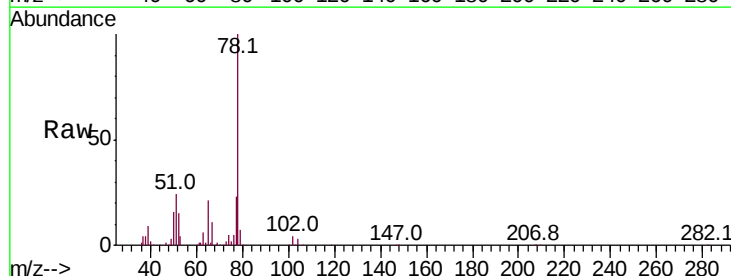


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

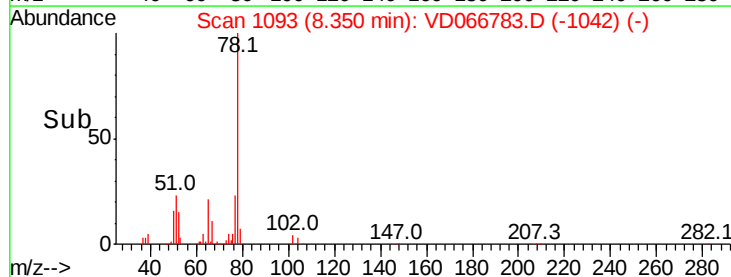
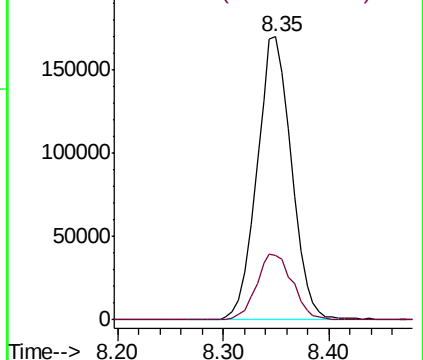


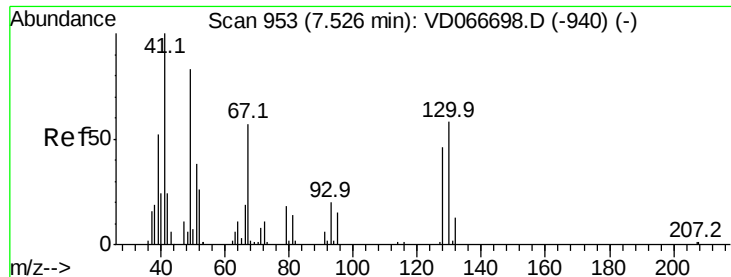
#40
Benzene
Concen: 19.829 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 78 Resp: 384121
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 49.251 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.04 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

Tot Ion: 41 Resp: 70680

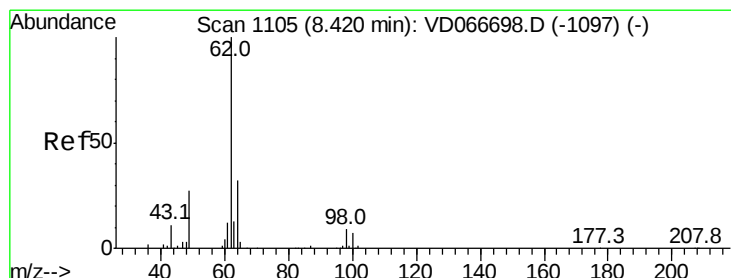
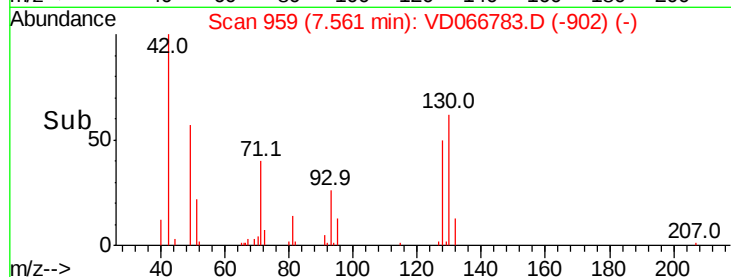
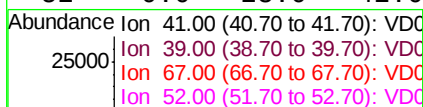
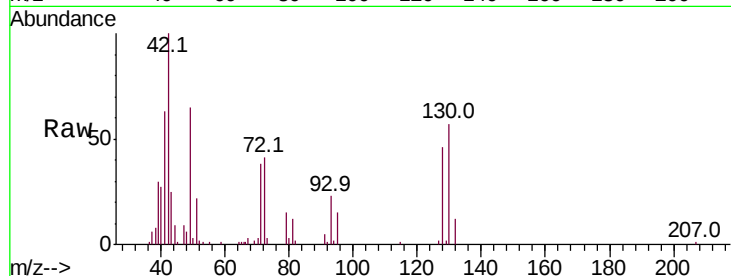
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

67 0.0 62.3 93.5#

52 0.0 28.0 42.0#



#42

1,2-Dichloroethane

Concen: 19.462 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066783.D

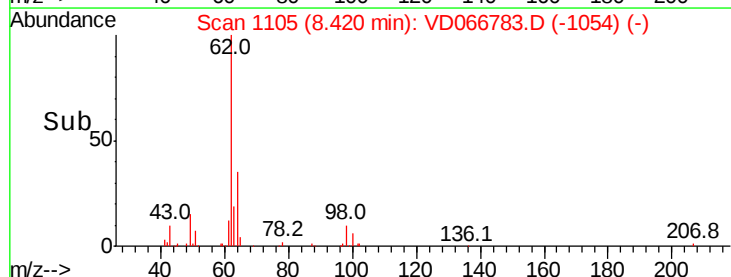
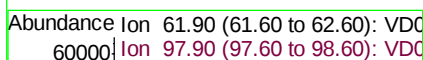
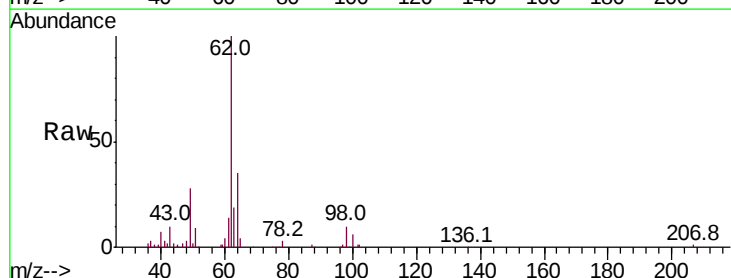
Acq: 21 Sep 2020 15:26

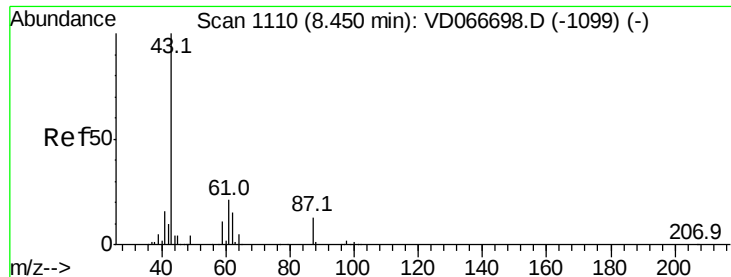
Tgt Ion: 62 Resp: 116803

Ion Ratio Lower Upper

62 100

98 9.4 0.0 17.6





#43

Isopropyl Acetate

Concen: 19.102 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

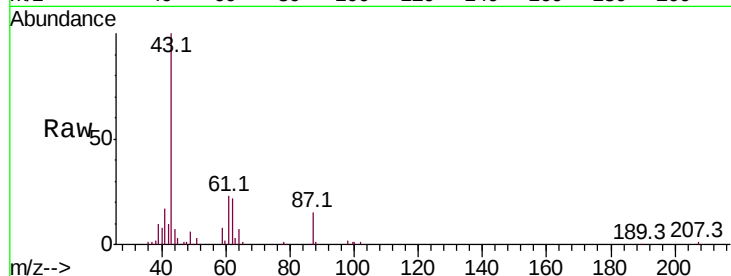
Tot Ion: 43 Resp: 97465

Ion Ratio Lower Upper

43 100

61 33.3 24.8 37.2

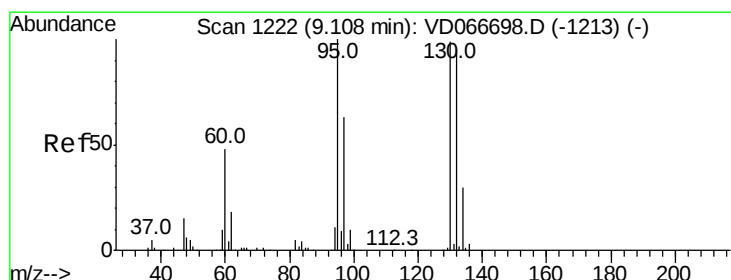
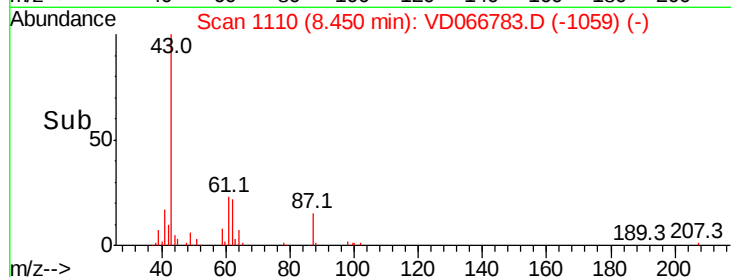
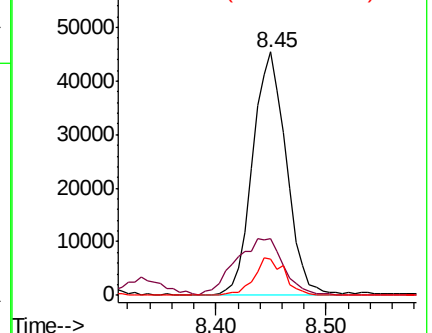
87 14.1 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.003 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066783.D

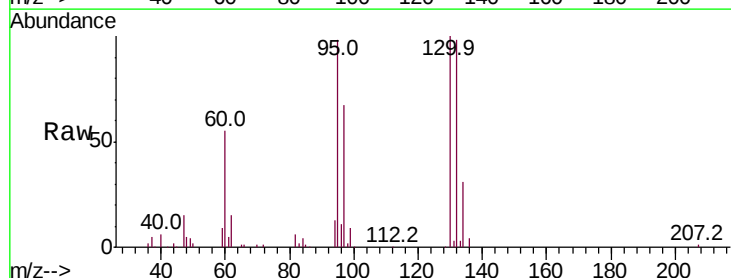
Acq: 21 Sep 2020 15:26

Tgt Ion:130 Resp: 103605

Ion Ratio Lower Upper

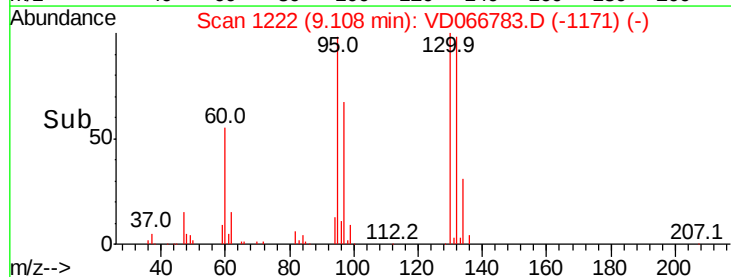
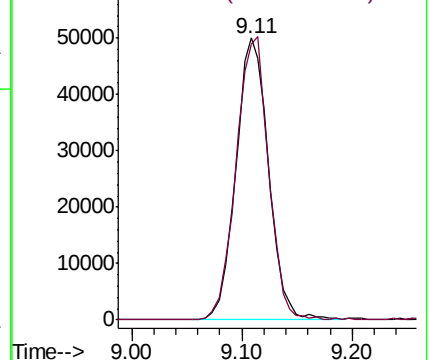
130 100

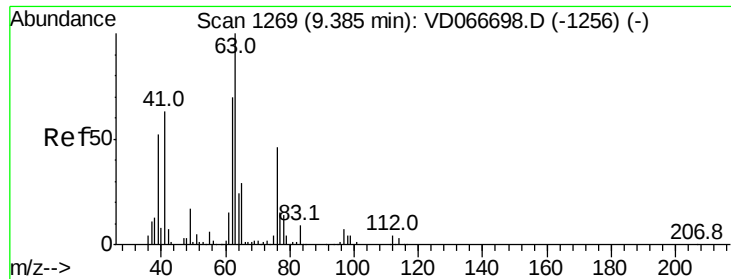
95 97.6 0.0 201.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.935 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

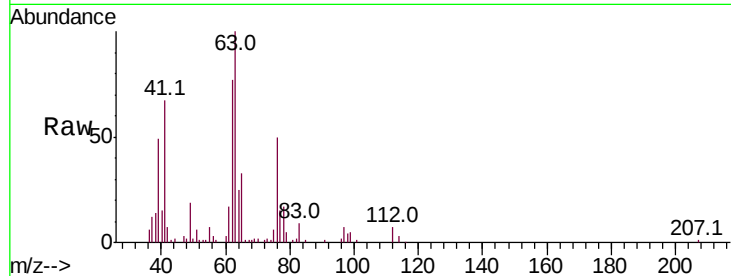
VD0921SBSD01

Tot Ion: 63 Resp: 95471

Ion Ratio Lower Upper

63 100

65 33.1 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

40000

30000

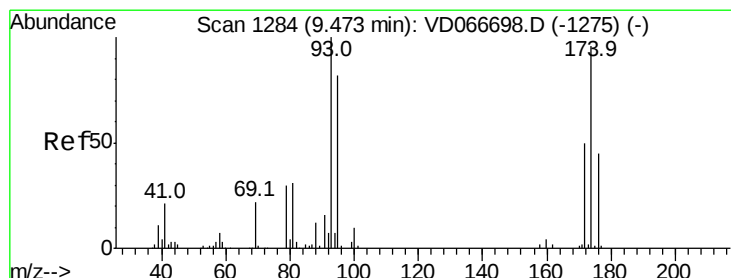
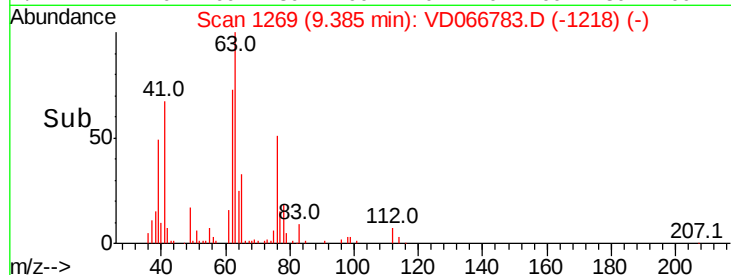
20000

10000

0

9.30 9.40

Time-->



#46

Dibromomethane

Concen: 20.169 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

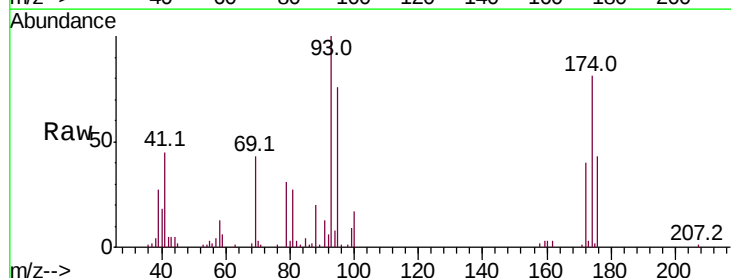
Tgt Ion: 93 Resp: 53078

Ion Ratio Lower Upper

93 100

95 83.4 66.0 99.0

174 91.7 72.3 108.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

30000

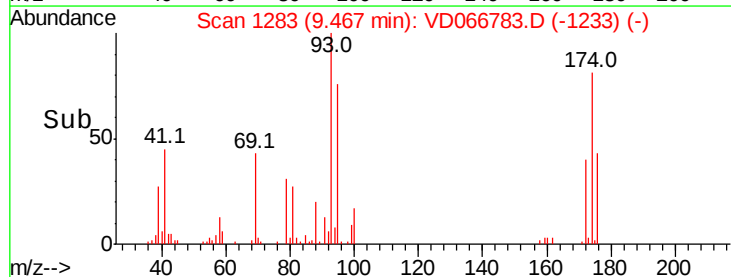
20000

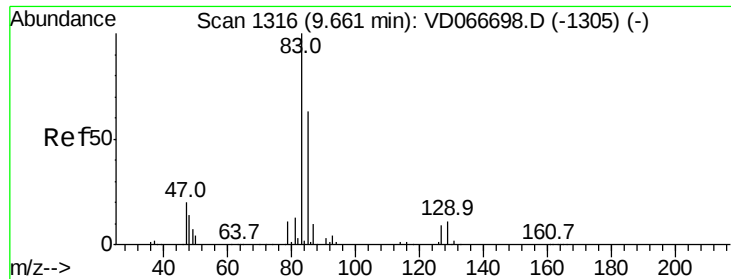
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 19.504 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

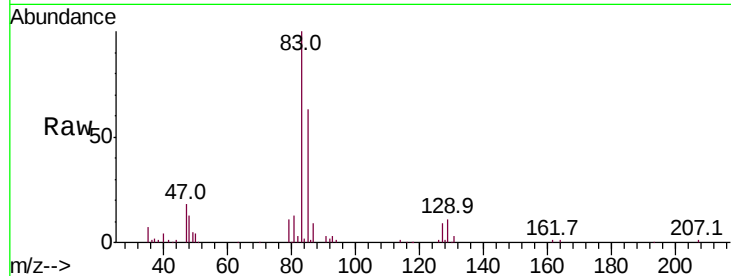
Tot Ion: 83 Resp: 139864

Ion Ratio Lower Upper

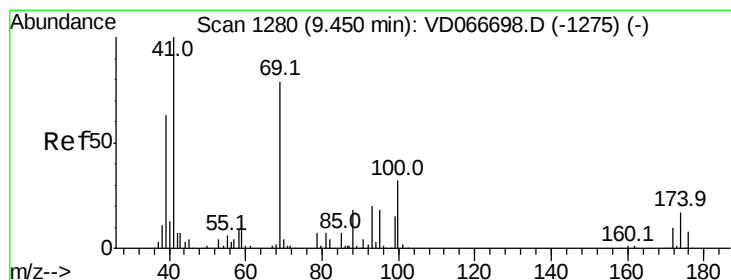
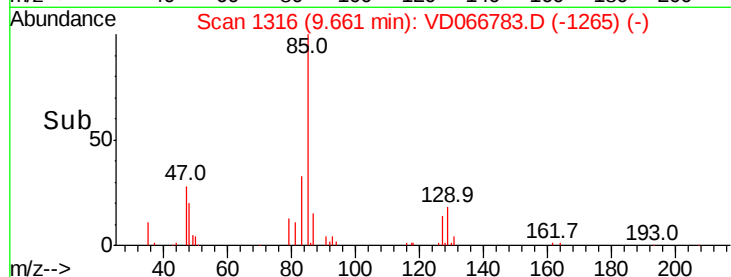
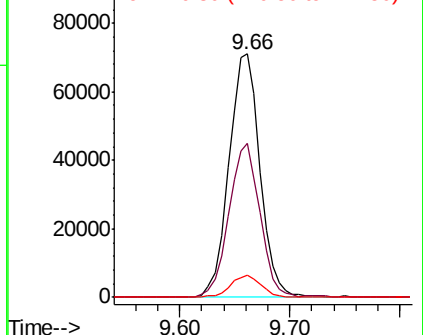
83 100

85 63.3 50.1 75.1

127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.321 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

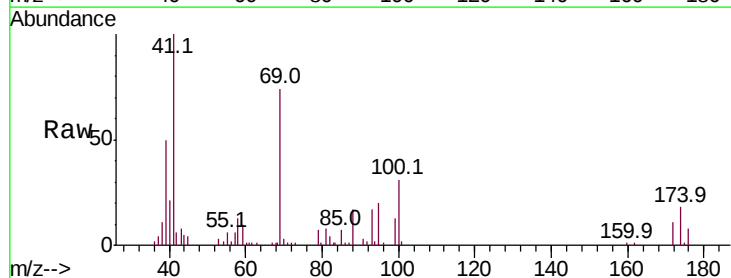
Tgt Ion: 41 Resp: 47549

Ion Ratio Lower Upper

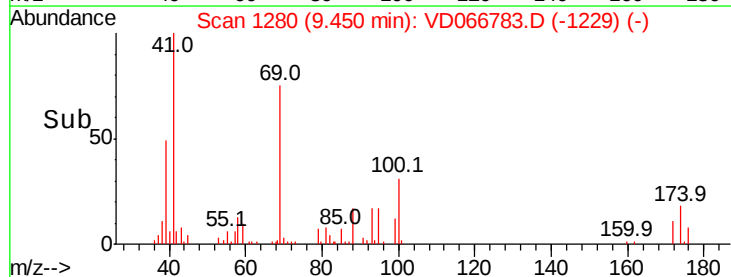
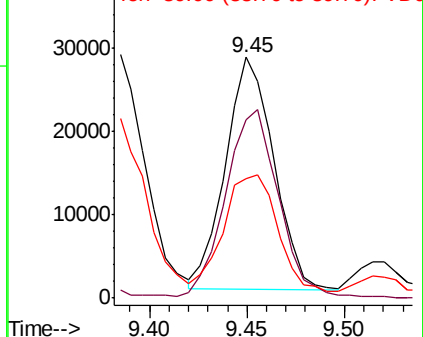
41 100

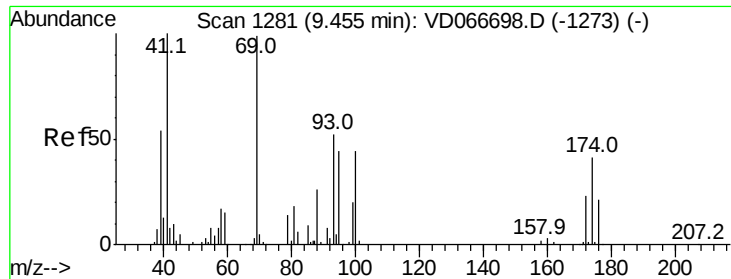
69 90.3 62.4 93.6

39 56.5 44.8 67.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

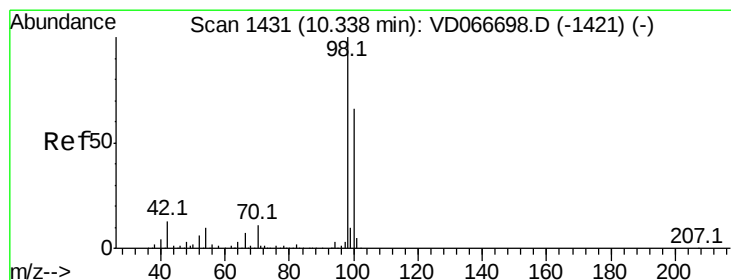
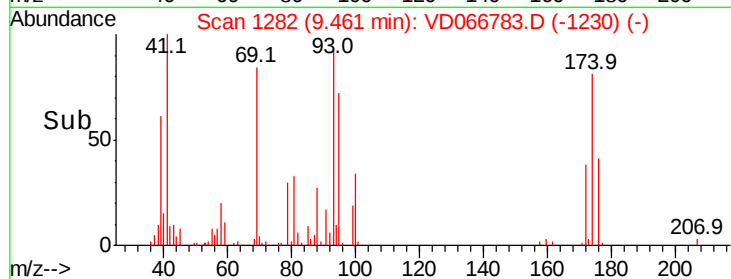
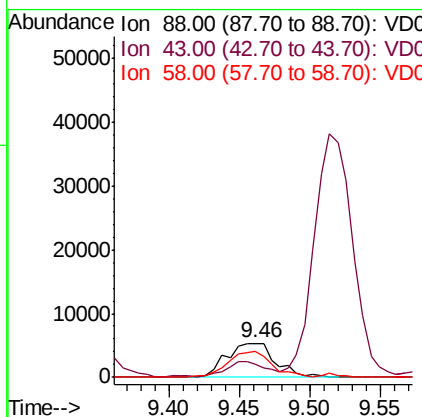
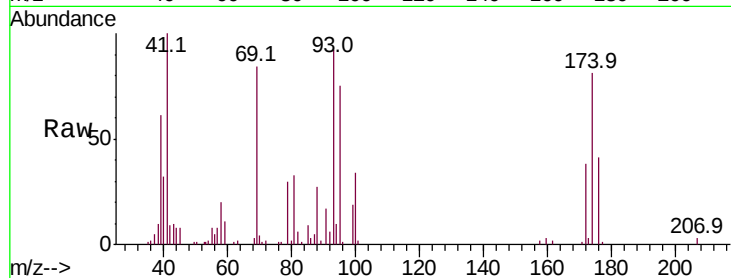




#49
1,4-Dioxane
Concen: 465.382 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

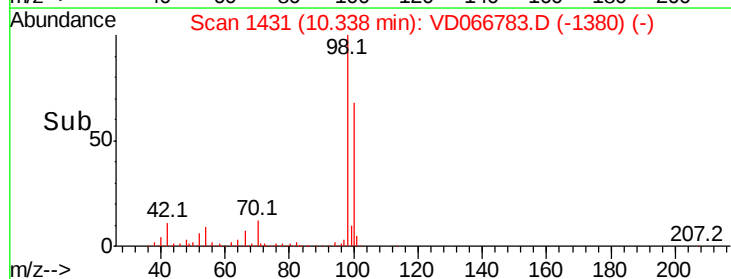
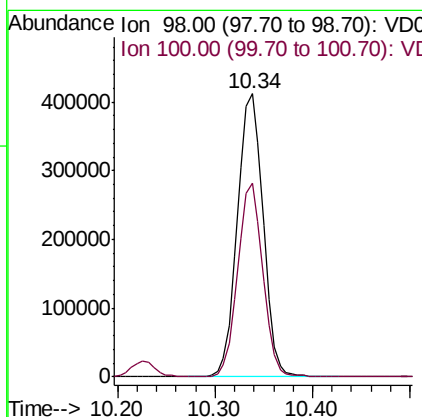
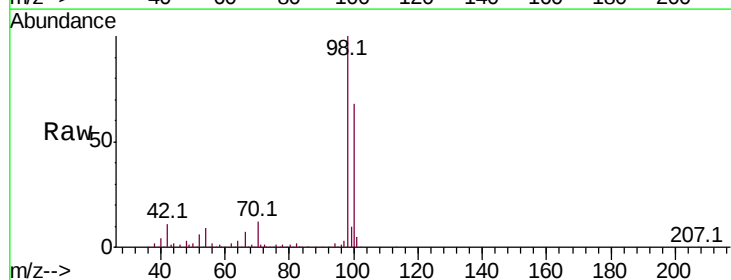
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

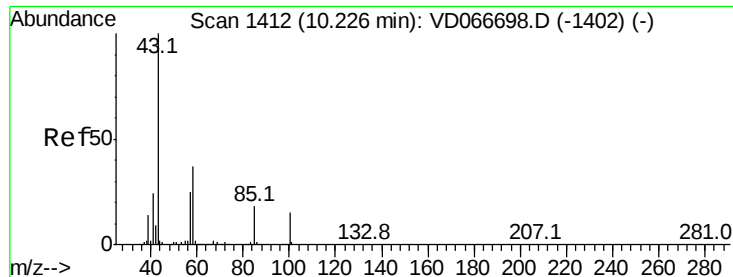
Tot Ion: 88 Resp: 13119
Ion Ratio Lower Upper
88 100
43 36.4 29.3 43.9
58 68.3 51.4 77.2



#50
Toluene-d8
Concen: 50.029 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 98 Resp: 761069
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 94.857 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

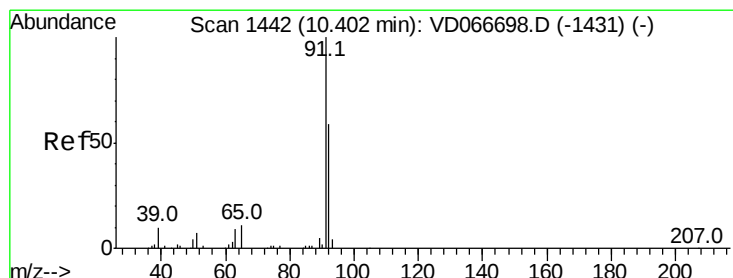
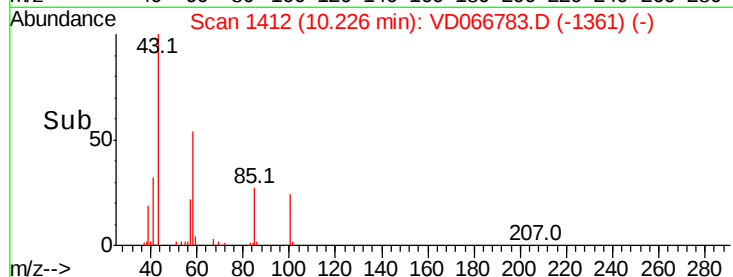
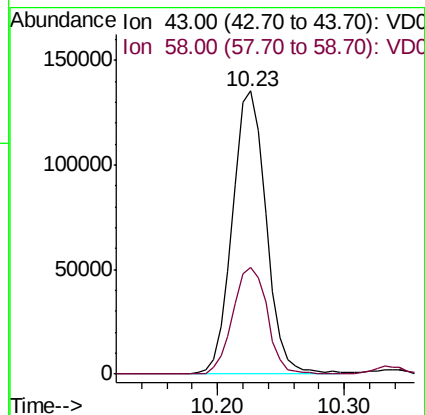
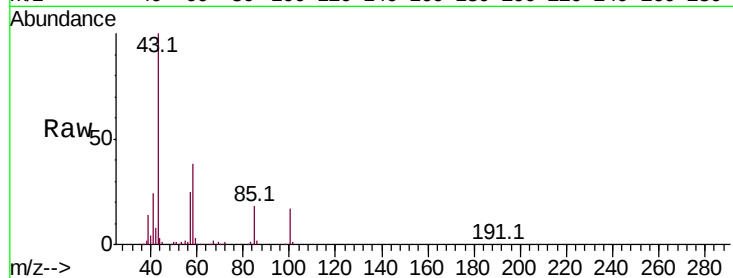
VD0921SBS01

Tot Ion: 43 Resp: 249172

Ion Ratio Lower Upper

43 100

58 38.7 30.4 45.6



#52

Toluene

Concen: 19.818 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066783.D

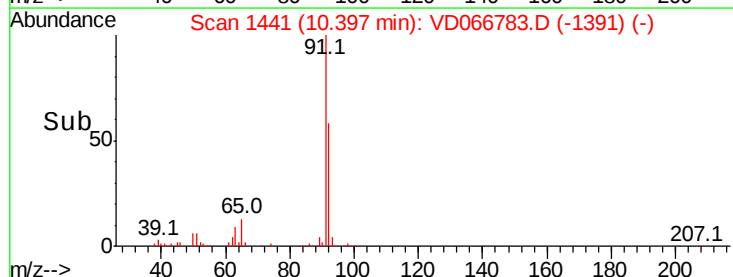
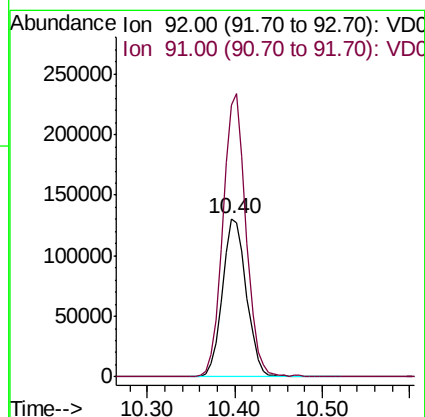
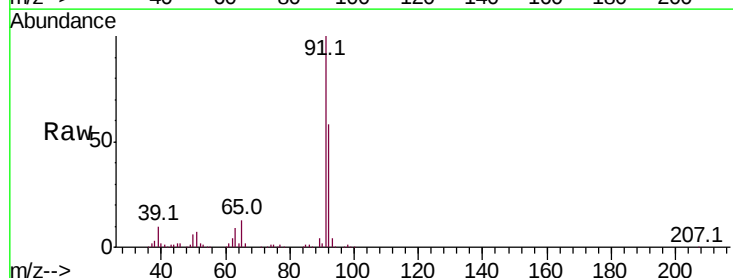
Acq: 21 Sep 2020 15:26

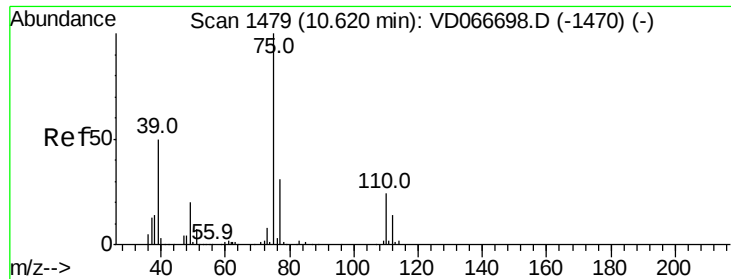
Tgt Ion: 92 Resp: 245942

Ion Ratio Lower Upper

92 100

91 171.6 135.8 203.8





#53

t-1,3-Dichloropropene

Concen: 18.948 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

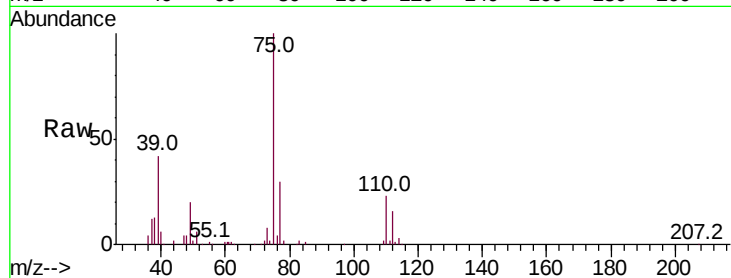
VD0921SBSD01

Tot Ion: 75 Resp: 121384

Ion Ratio Lower Upper

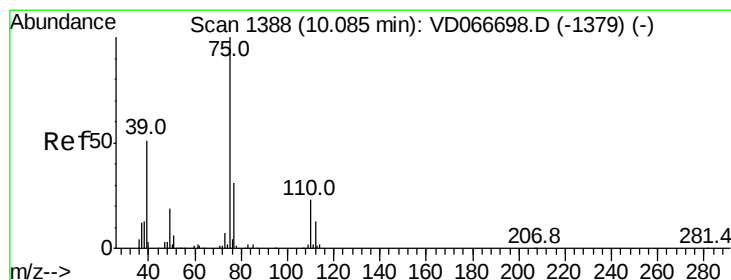
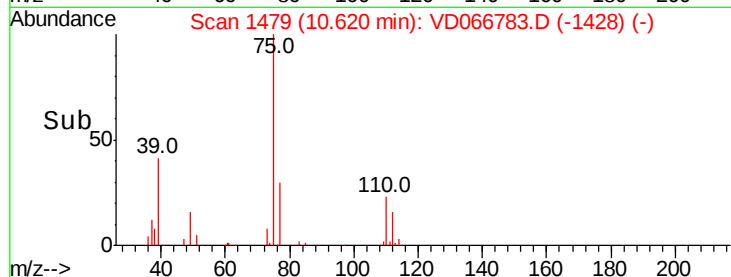
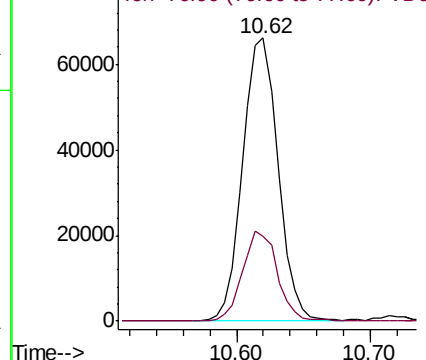
75 100

77 30.0 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.771 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

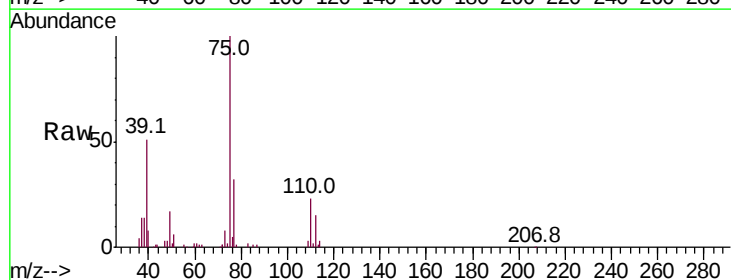
Tgt Ion: 75 Resp: 142822

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

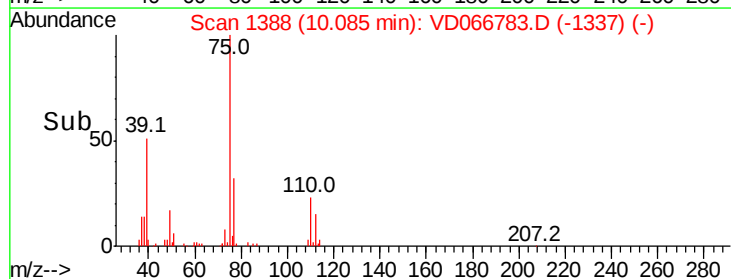
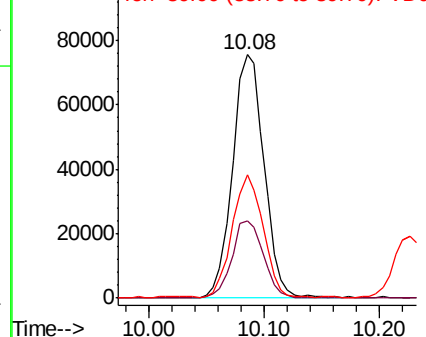
39 50.9 40.6 61.0

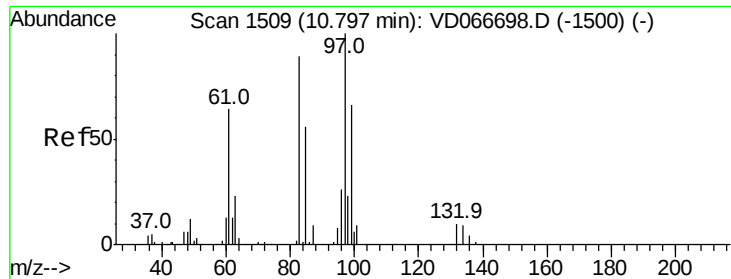


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 20.287 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

Tot Ion: 97 Resp: 70389

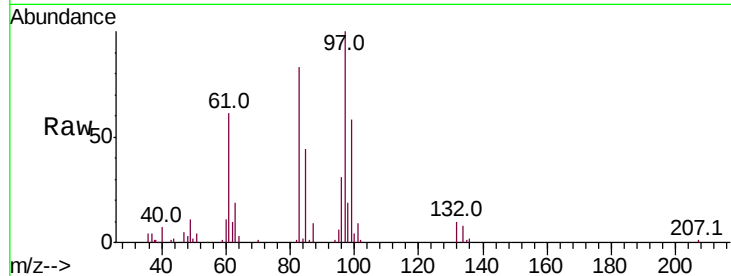
Ion Ratio Lower Upper

97 100

83 83.3 71.4 107.2

85 43.7 44.7 67.1#

99 57.9 52.4 78.6



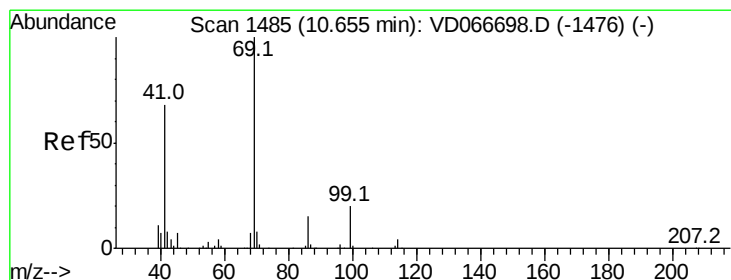
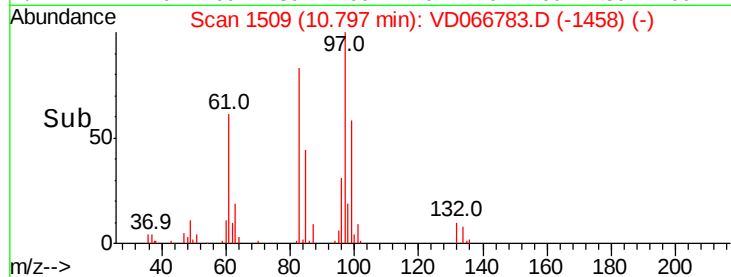
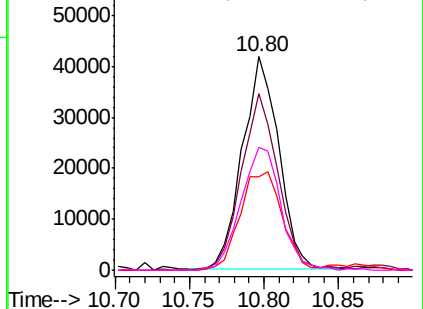
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.726 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

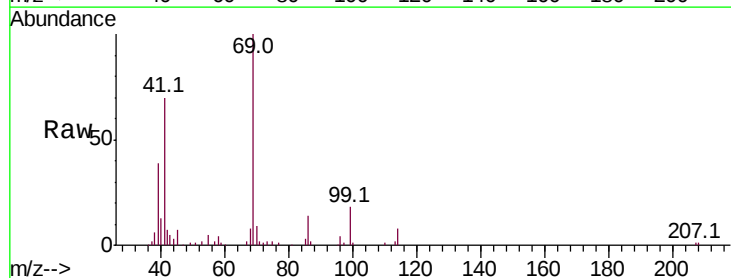
Tgt Ion: 69 Resp: 77671

Ion Ratio Lower Upper

69 100

41 69.1 55.5 83.3

39 33.6 29.7 44.5

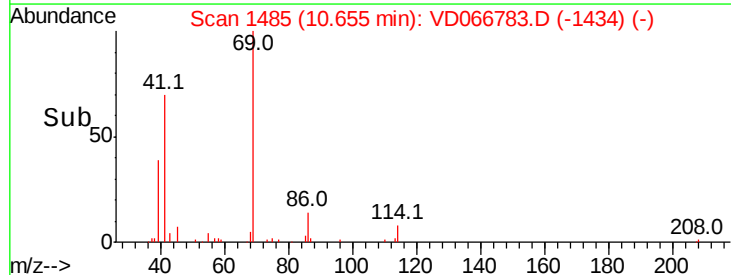
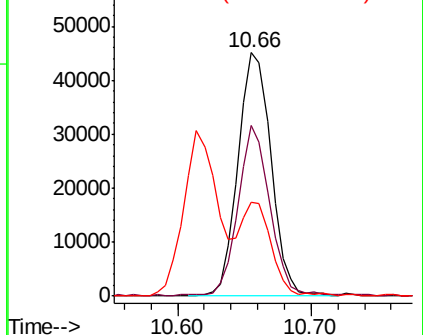


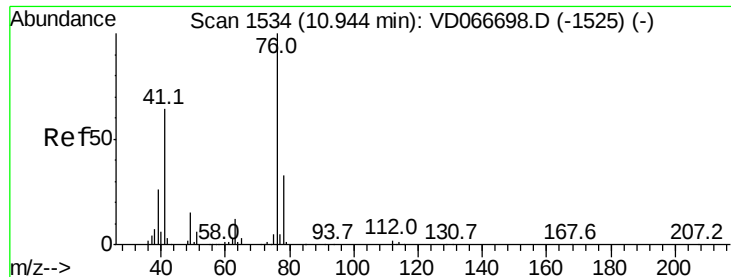
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

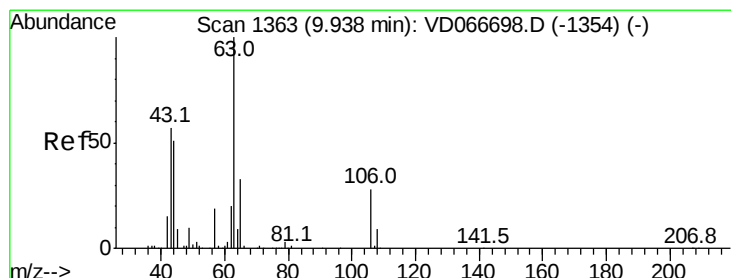
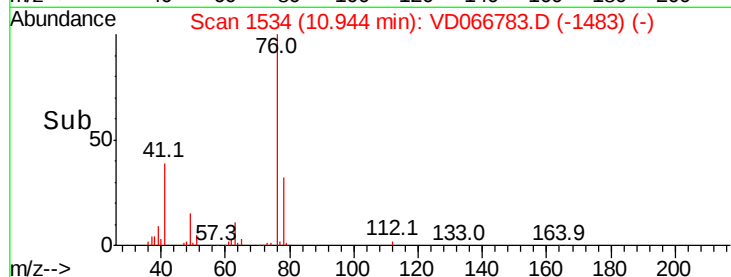
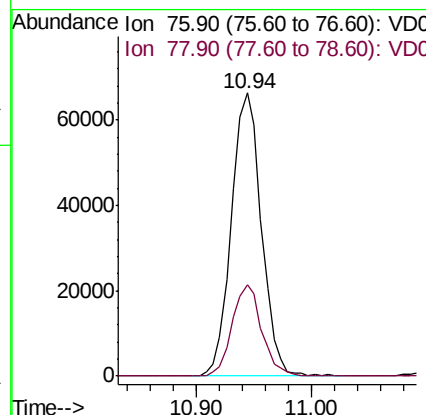
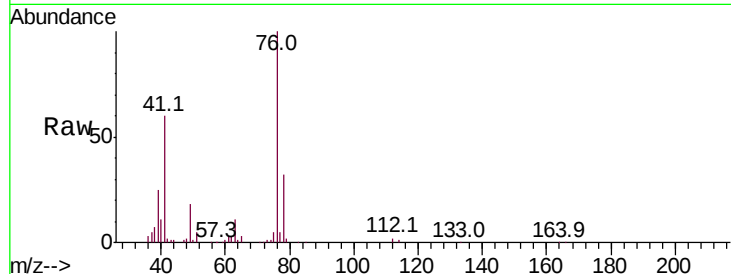




#57
 1,3-Dichloropropane
 Concen: 19.630 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

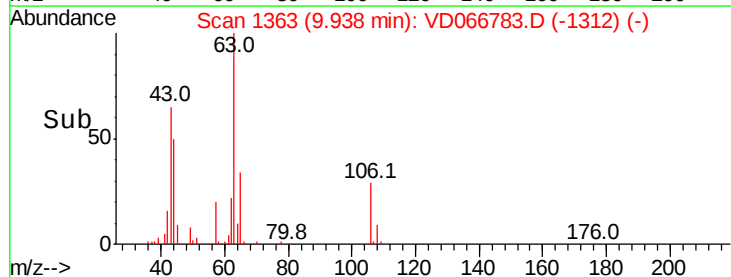
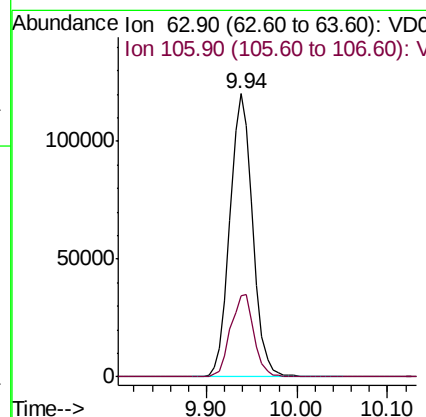
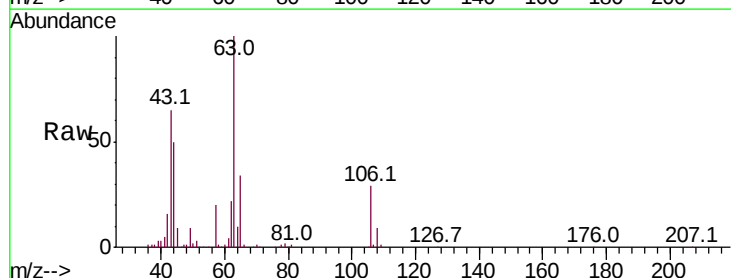
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

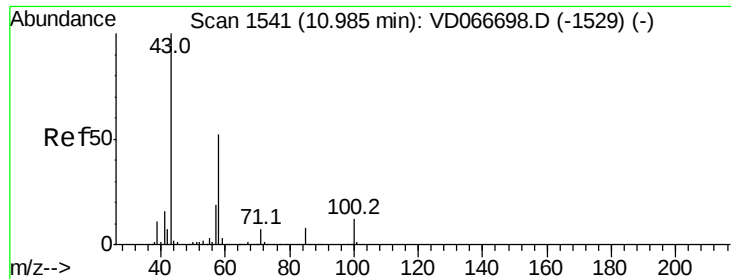
Tot Ion: 76 Resp: 119528
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.400 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion: 63 Resp: 209936
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.2 33.4

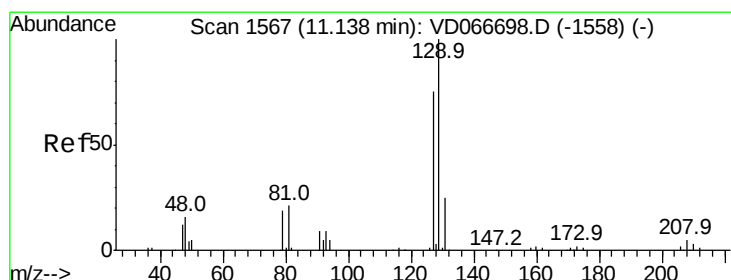
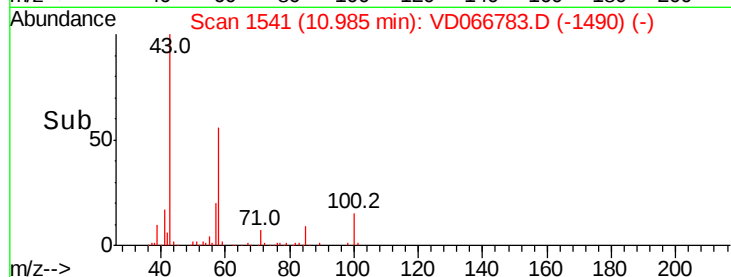
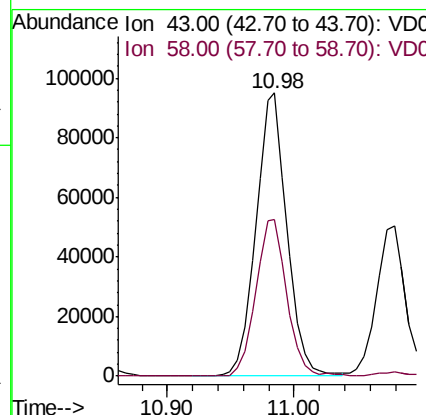
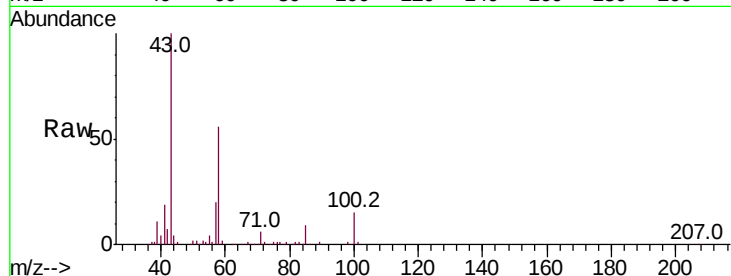




#59
2-Hexanone
Concen: 91.371 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

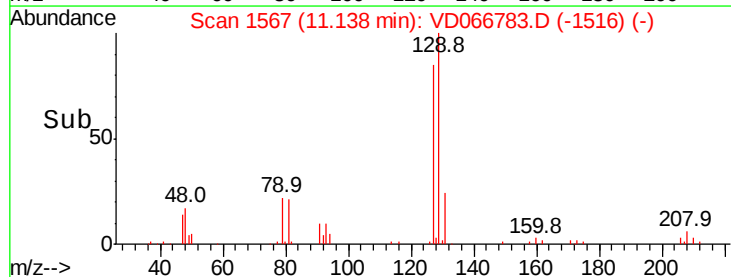
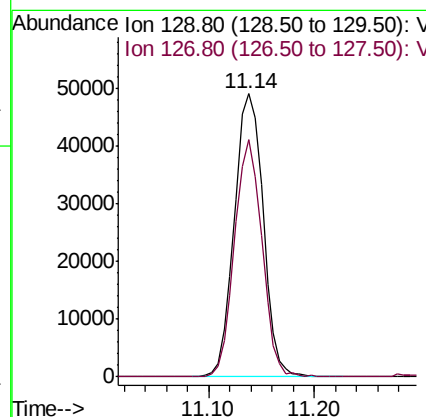
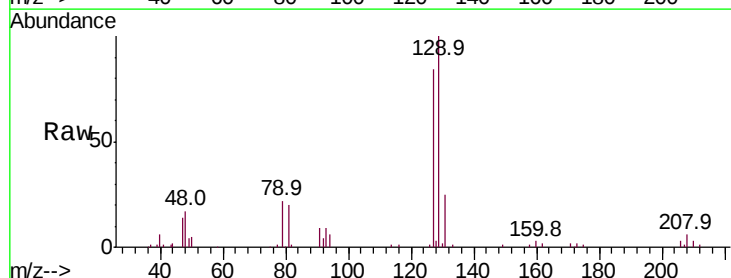
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

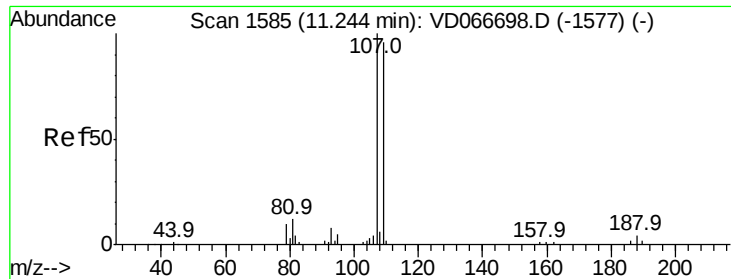
Tot Ion: 43 Resp: 161269
Ion Ratio Lower Upper
43 100
58 55.2 26.2 78.5



#60
Dibromochloromethane
Concen: 20.460 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 129 Resp: 92500
Ion Ratio Lower Upper
129 100
127 79.9 38.1 114.3

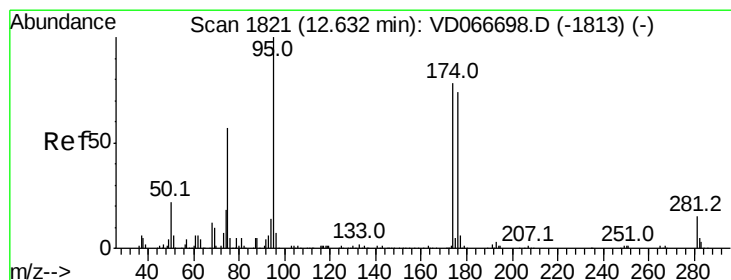
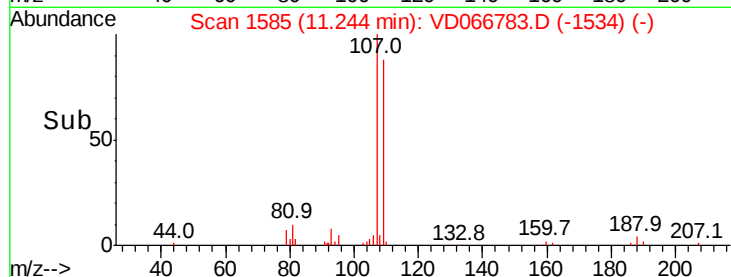
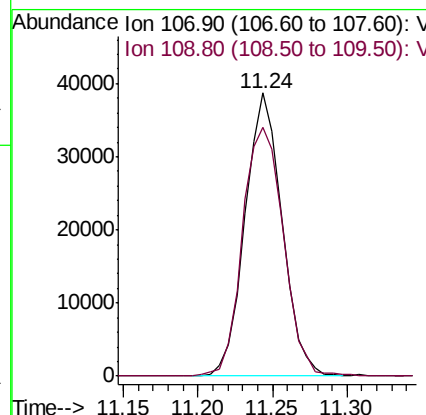
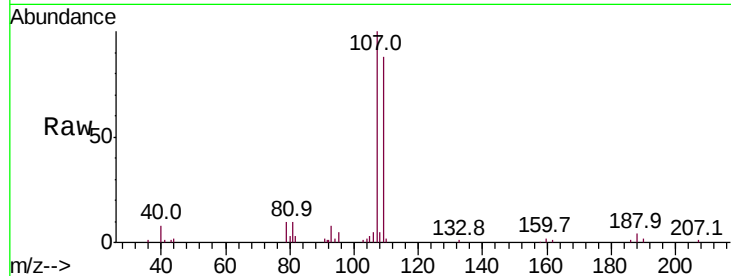




#61
 1,2-Dibromoethane
 Concen: 19.943 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

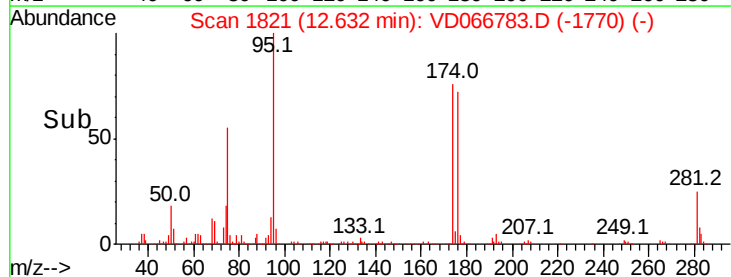
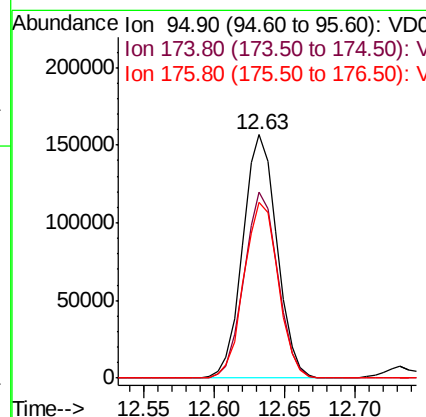
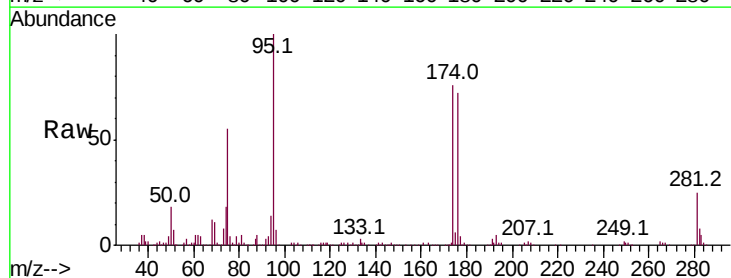
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

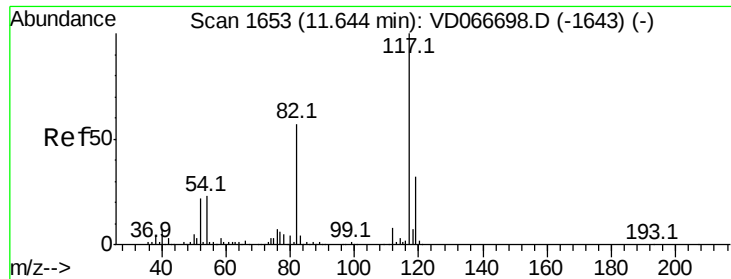
Tot Ion:107 Resp: 66377
 Ion Ratio Lower Upper
 107 100
 109 97.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.596 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion: 95 Resp: 265686
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 156.6
 176 72.7 0.0 150.2

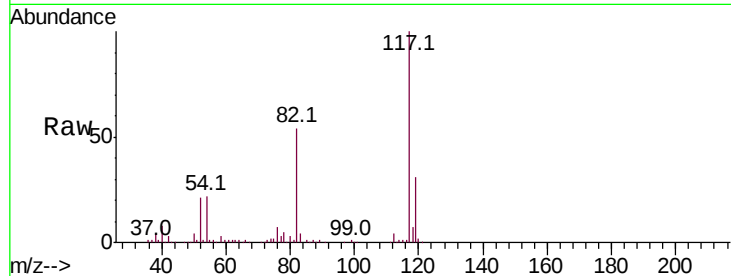




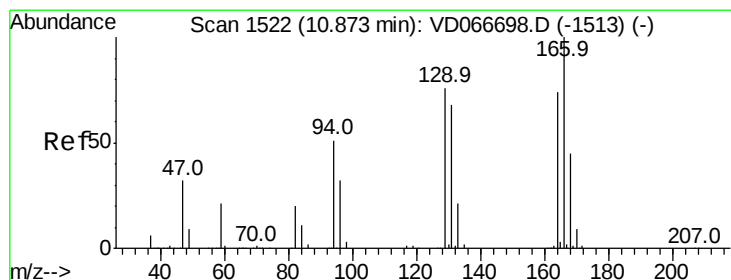
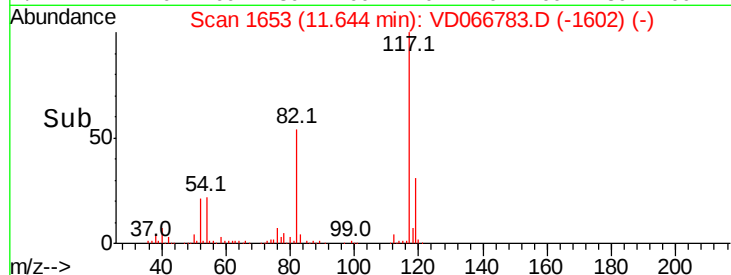
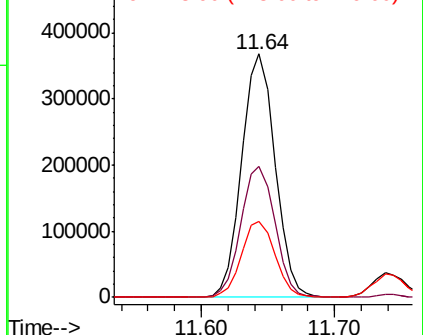
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion:117 Resp: 637266
Ion Ratio Lower Upper
117 100
82 54.0 45.4 68.0
119 31.3 25.8 38.6

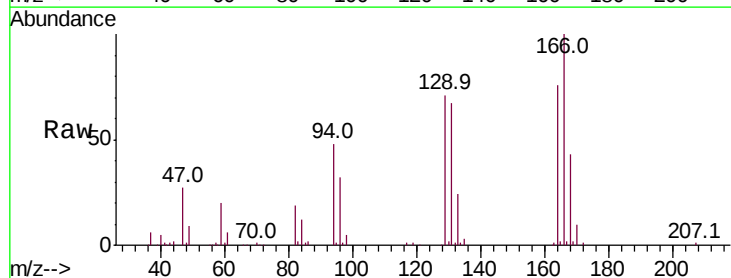


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

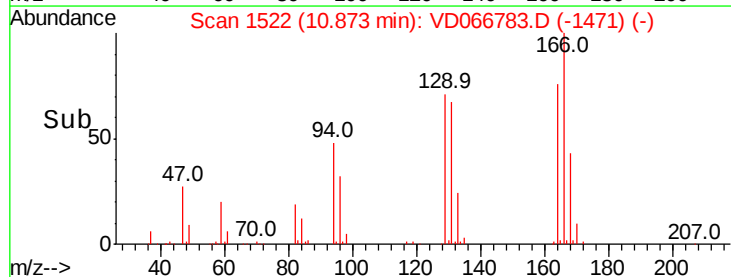
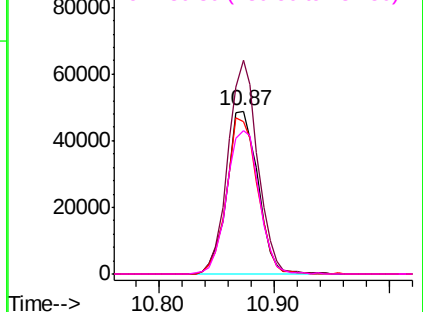


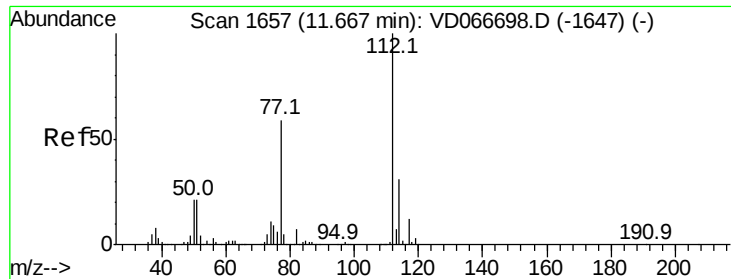
#64
Tetrachloroethene
Concen: 20.754 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion:164 Resp: 90286
Ion Ratio Lower Upper
164 100
166 131.3 107.5 161.3
129 93.4 81.4 122.0
131 87.8 73.0 109.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

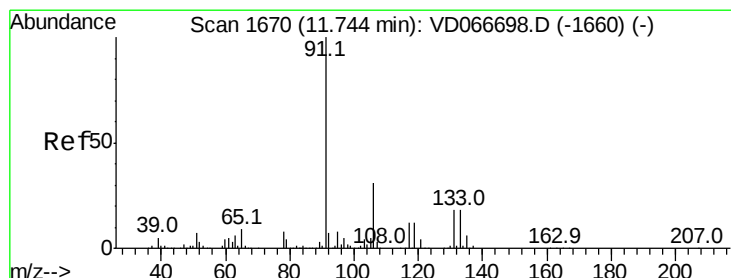
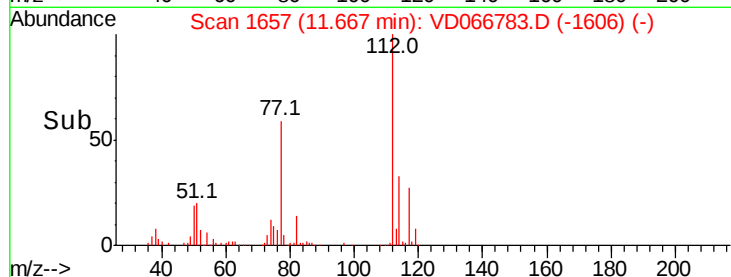
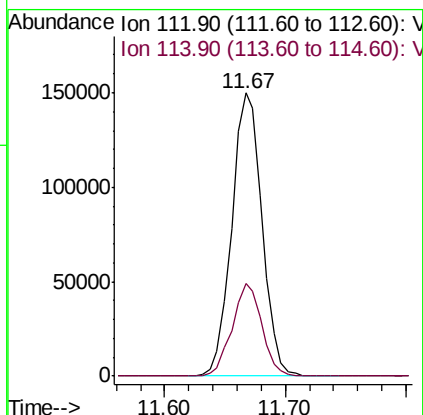
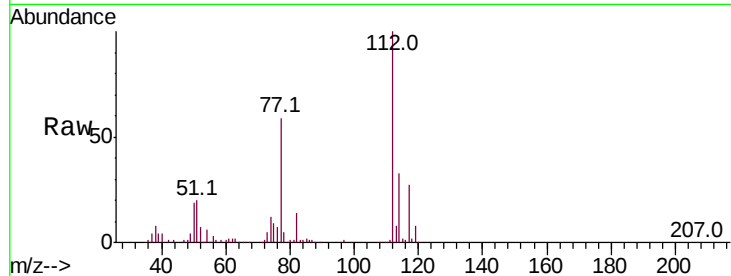




#65
Chlorobenzene
Concen: 19.770 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

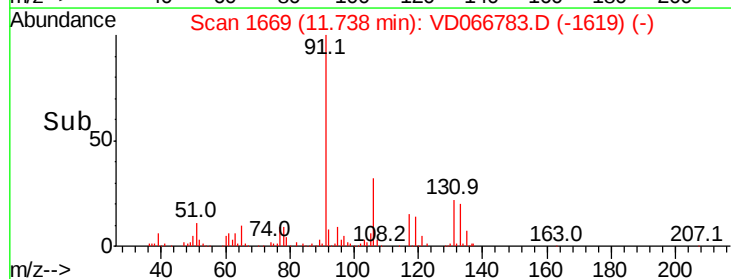
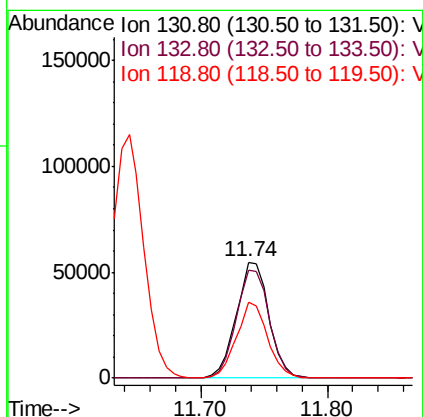
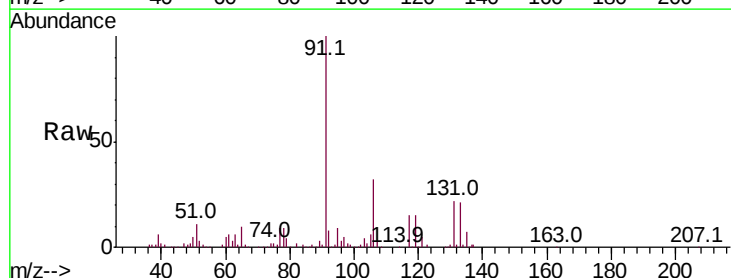
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

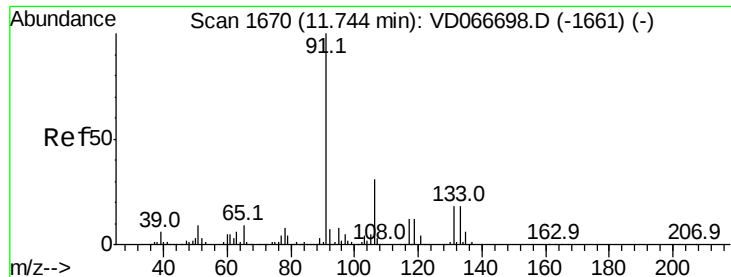
Tot Ion:112 Resp: 260844
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.992 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion:131 Resp: 97322
Ion Ratio Lower Upper
131 100
133 94.9 47.8 143.3
119 62.9 33.6 100.8

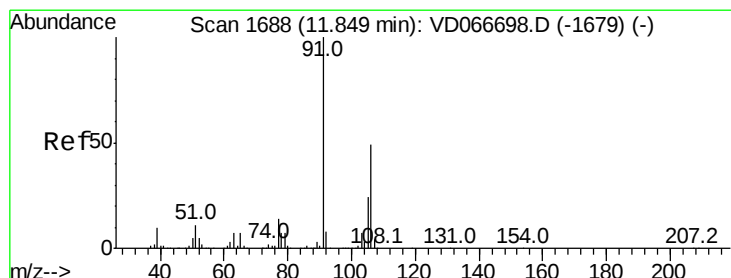
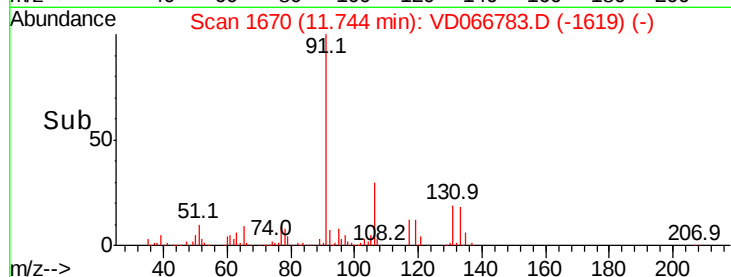
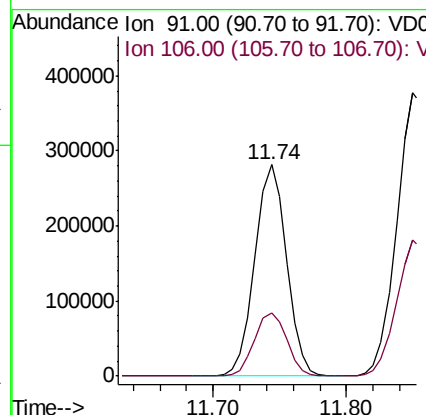
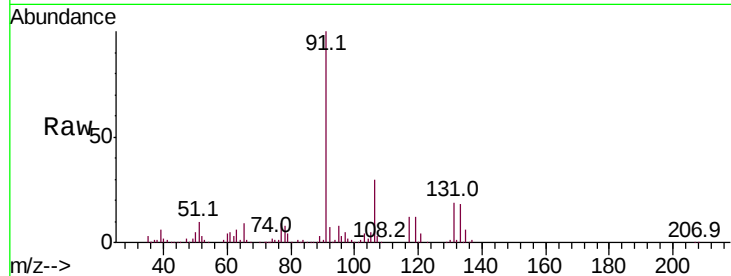




#67
Ethyl Benzene
Concen: 19.294 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

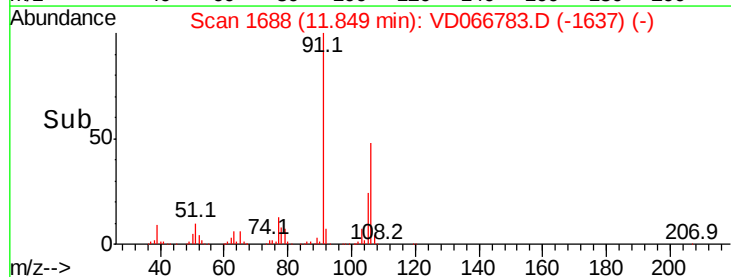
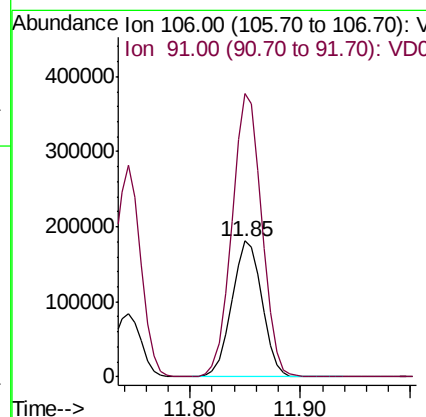
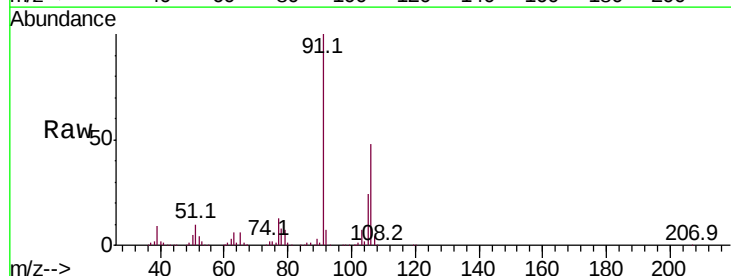
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

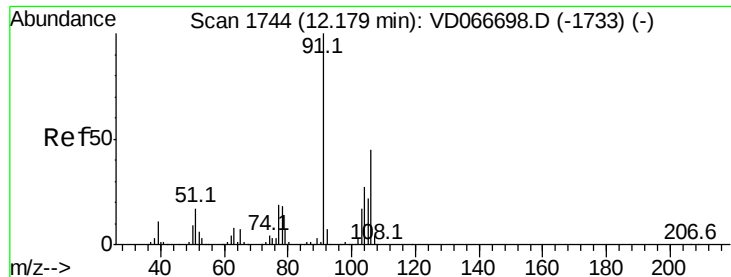
Tot Ion: 91 Resp: 461107
Ion Ratio Lower Upper
91 100
106 29.8 25.1 37.7



#68
m/p-Xylenes
Concen: 38.471 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 106 Resp: 347489
Ion Ratio Lower Upper
106 100
91 205.6 164.8 247.2

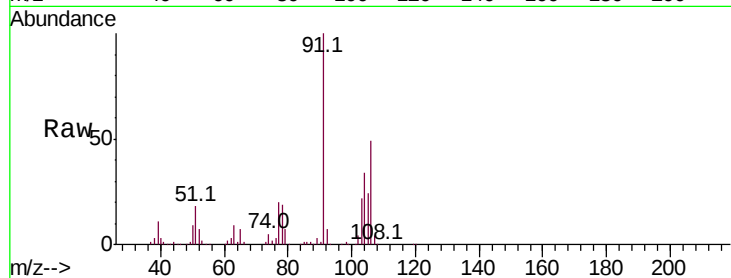




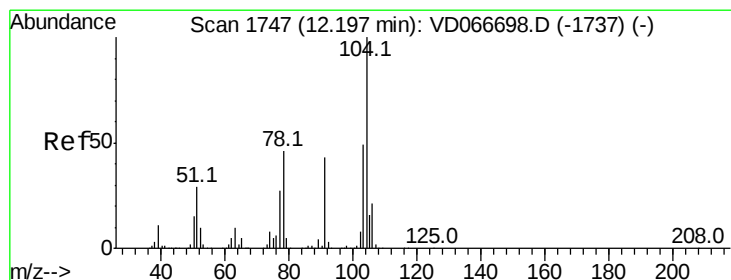
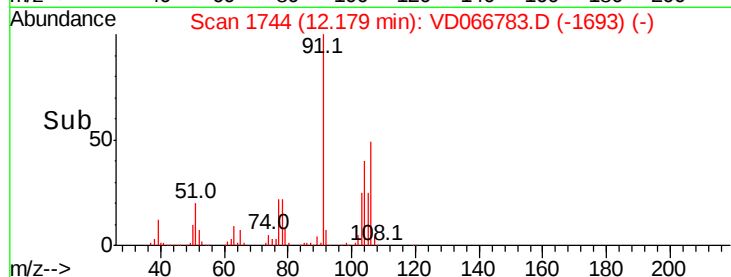
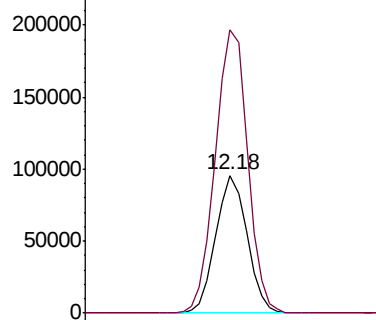
#69
o-Xylene
Concen: 19.554 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion:106 Resp: 156078
Ion Ratio Lower Upper
106 100
91 211.4 109.4 328.2

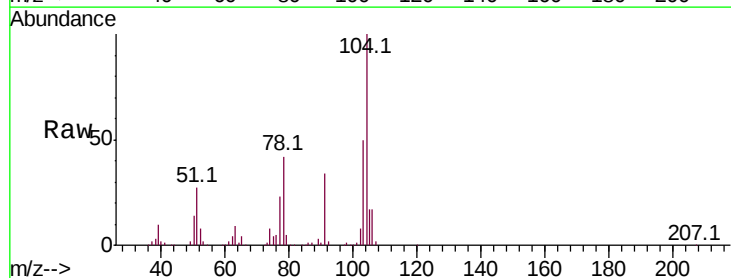


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

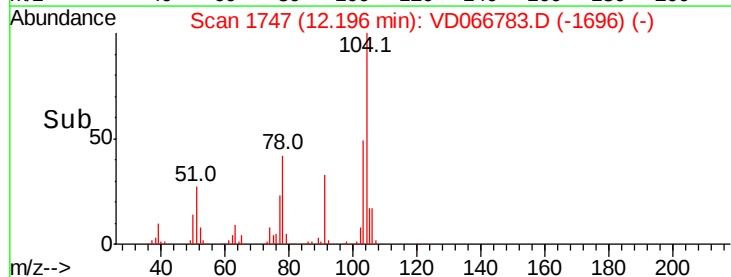
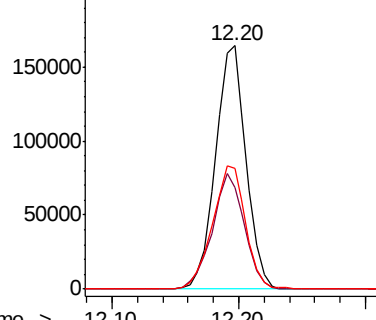


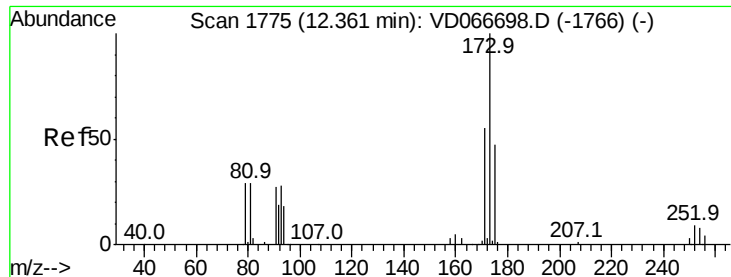
#70
Styrene
Concen: 19.590 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion:104 Resp: 275219
Ion Ratio Lower Upper
104 100
78 49.9 40.2 60.4
103 54.5 42.5 63.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.798 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

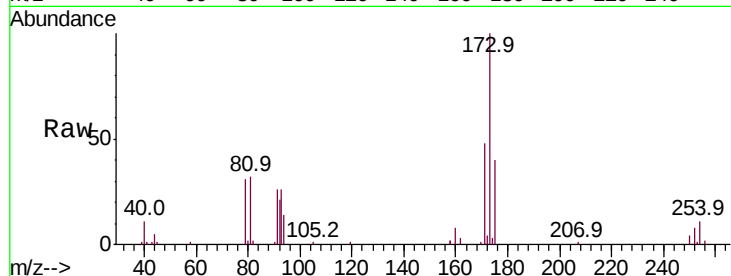
Tot Ion:173 Resp: 48368

Ion Ratio Lower Upper

173 100

175 45.8 24.3 72.8

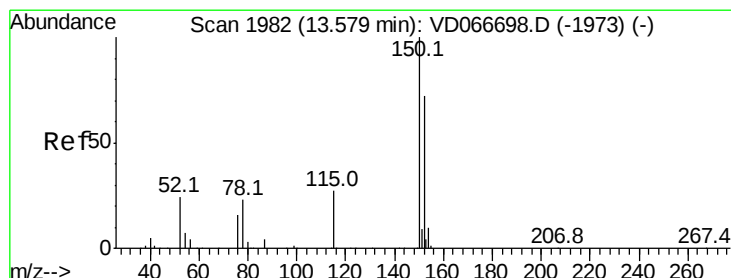
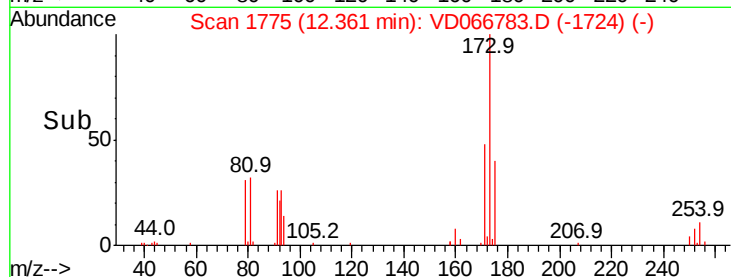
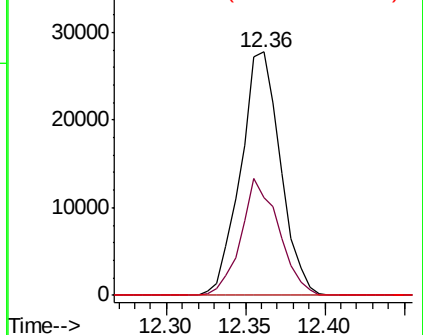
254 0.0 0.1 0.1#



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: VD066783.D

Acq: 21 Sep 2020 15:26

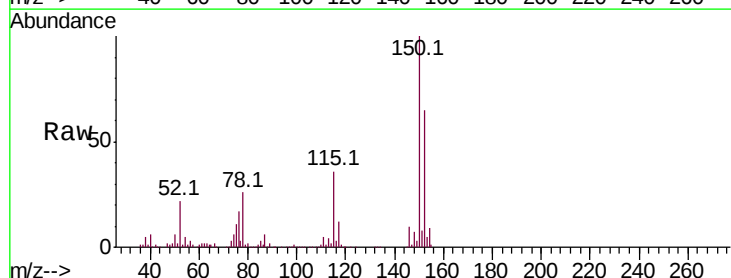
Tgt Ion:152 Resp: 298565

Ion Ratio Lower Upper

152 100

115 59.6 30.5 91.5

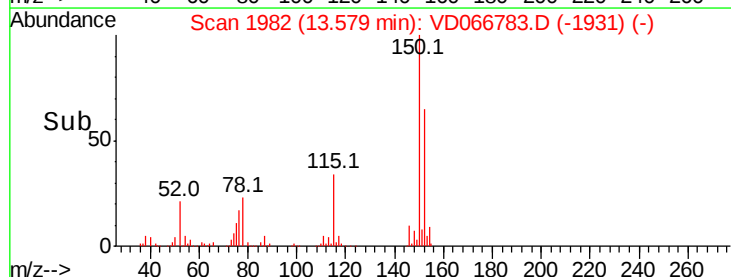
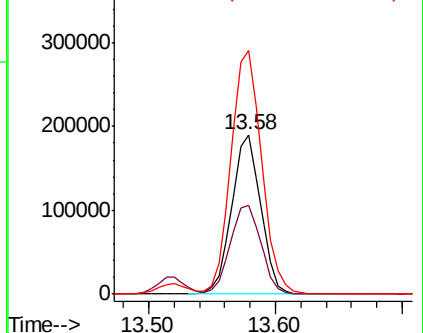
150 162.2 0.0 344.6

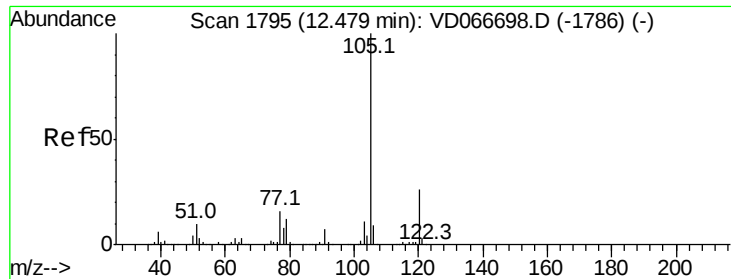


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.915 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

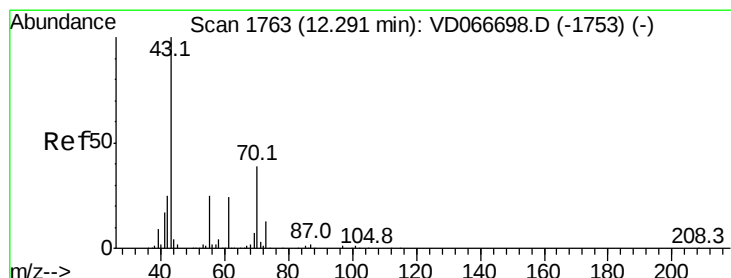
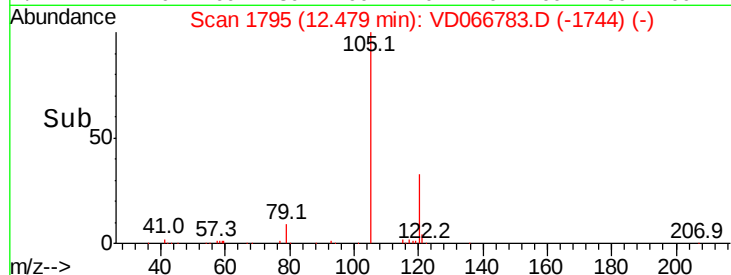
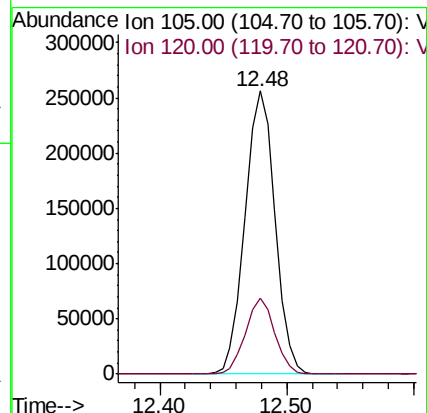
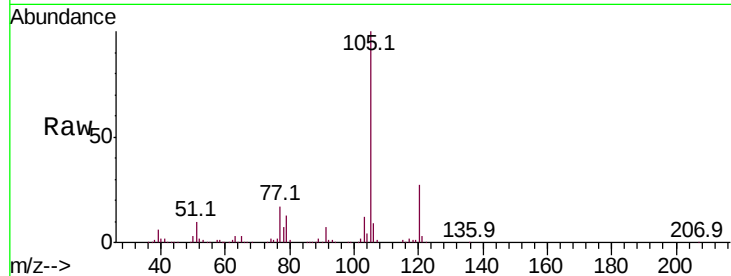
VD0921SBSD01

Tot Ion:105 Resp: 421596

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#74

N-ethyl acetate

Concen: 18.346 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Tgt Ion: 43 Resp: 86255

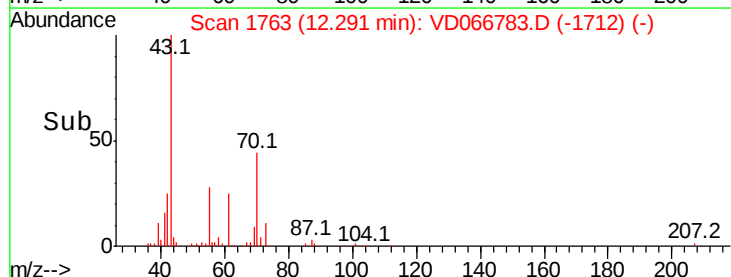
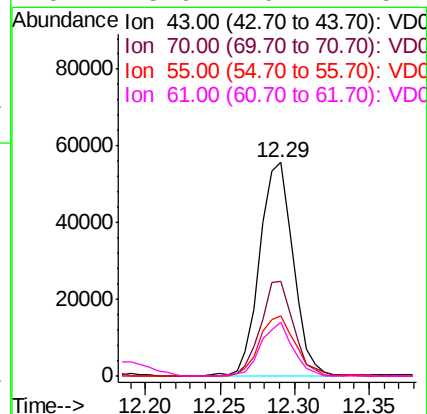
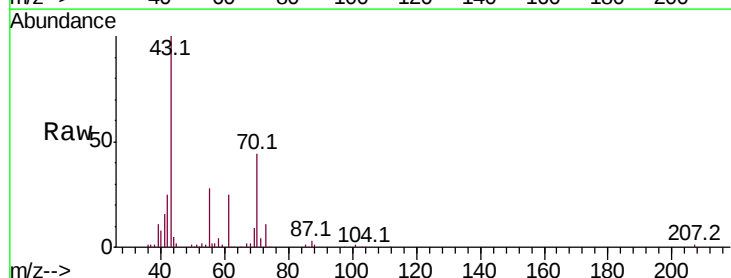
Ion Ratio Lower Upper

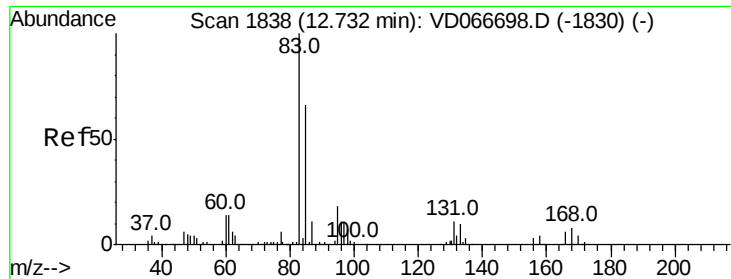
43 100

70 43.6 33.0 49.4

55 29.6 20.6 30.8

61 23.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.387 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

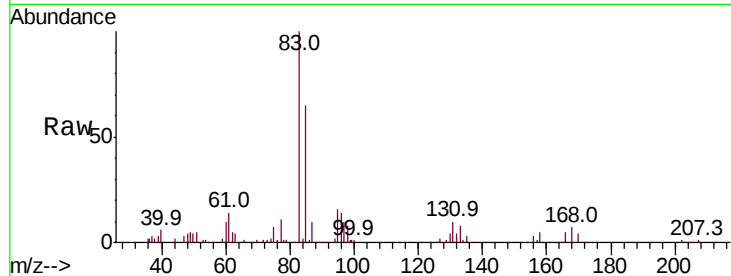
Tot Ion: 83 Resp: 77212

Ion Ratio Lower Upper

83 100

131 9.8 5.8 17.3

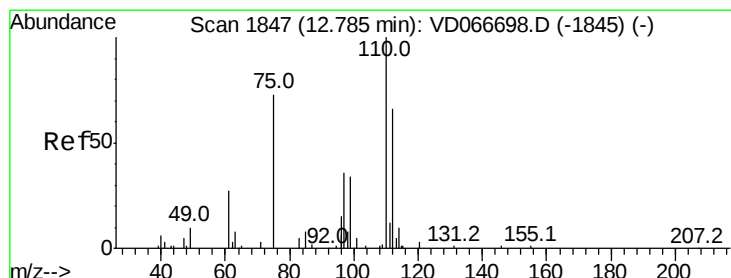
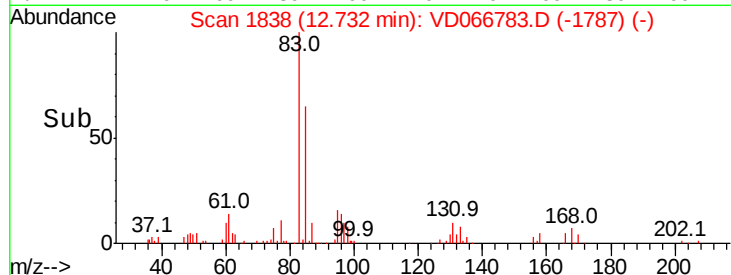
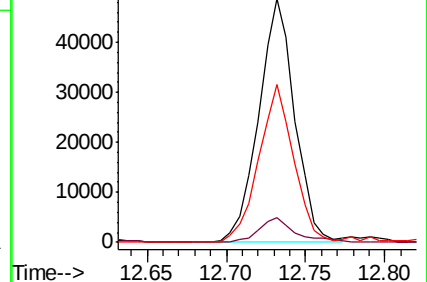
85 62.5 33.3 99.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.522 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066783.D

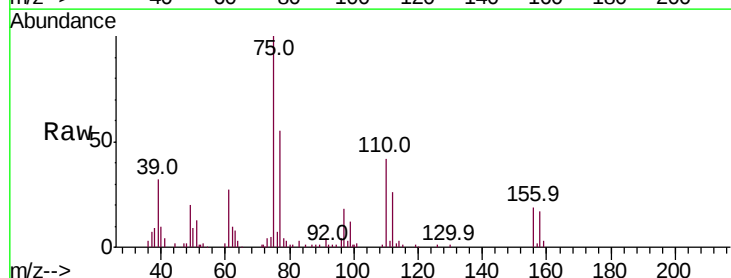
Acq: 21 Sep 2020 15:26

Tgt Ion: 75 Resp: 98446

Ion Ratio Lower Upper

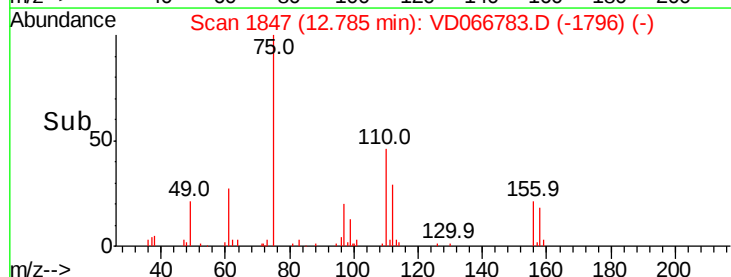
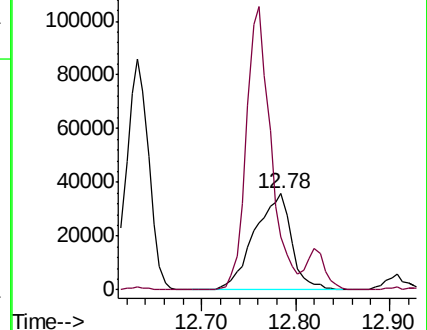
75 100

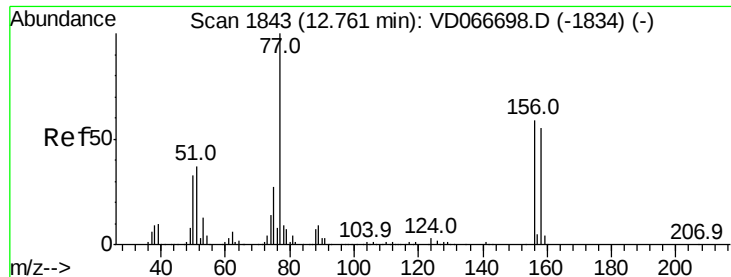
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

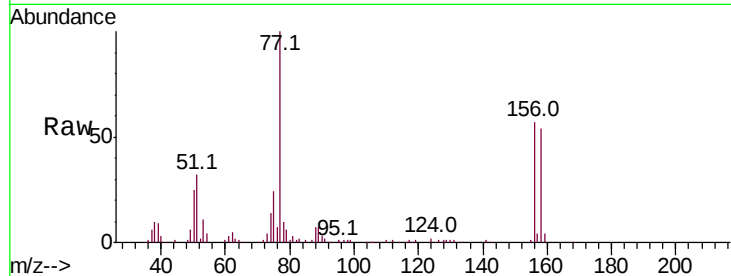




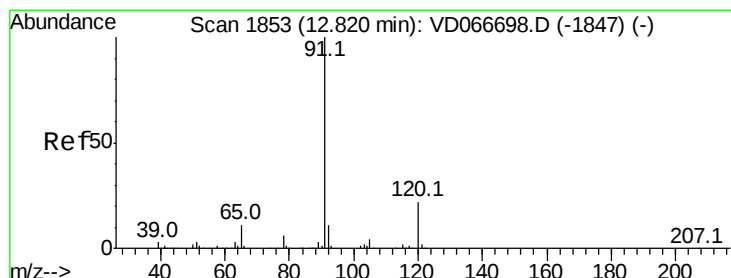
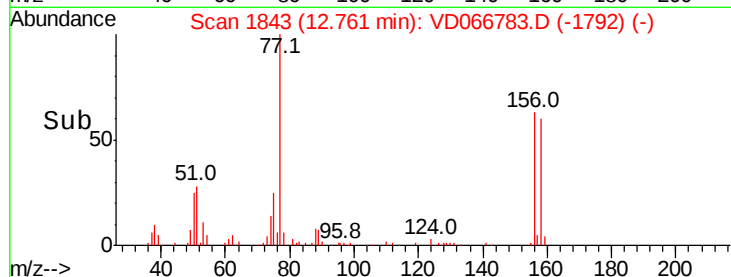
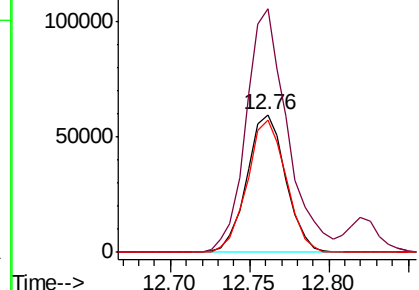
#77
Bromobenzene
Concen: 19.624 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion:156 Resp: 100812
Ion Ratio Lower Upper
156 100
77 189.6 95.8 287.3
158 96.5 48.4 145.0

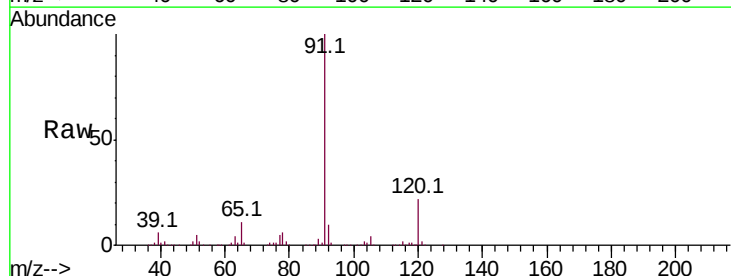


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

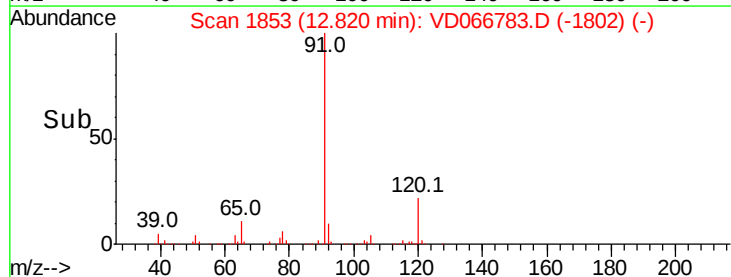
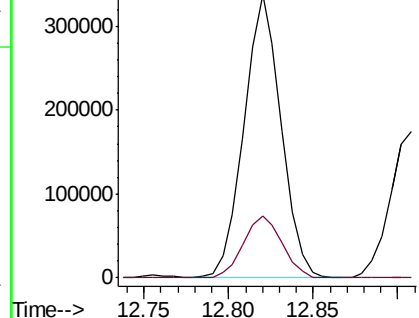


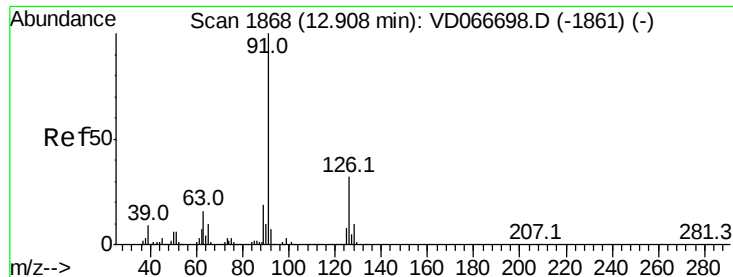
#78
n-propylbenzene
Concen: 18.840 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 91 Resp: 511898
Ion Ratio Lower Upper
91 100
120 23.1 10.9 32.9



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





#79

2-Chlorotoluene

Concen: 19.107 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

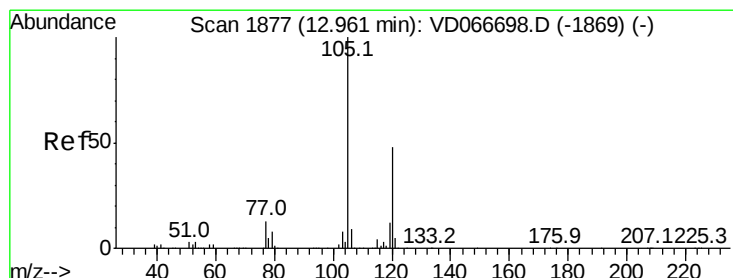
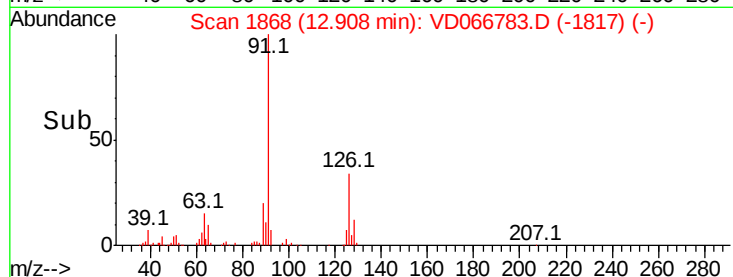
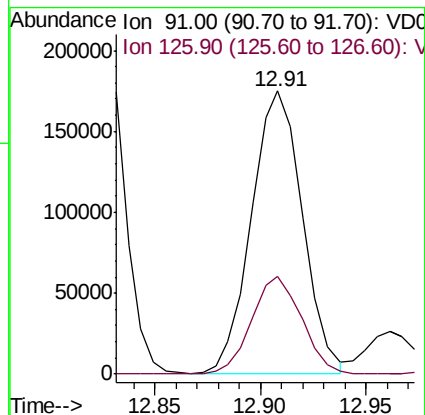
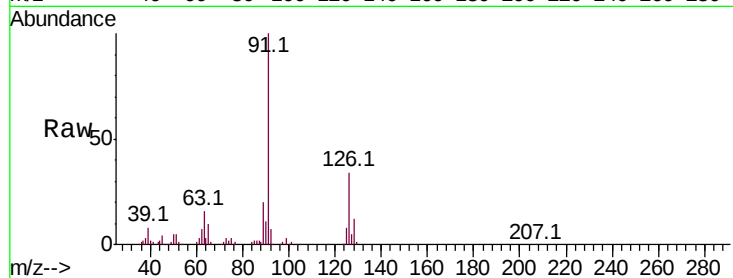
VD0921SBSD01

Tot Ion: 91 Resp: 293547

Ion Ratio Lower Upper

91 100

126 33.7 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 19.410 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066783.D

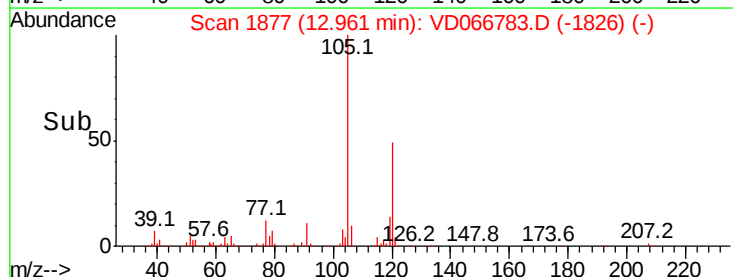
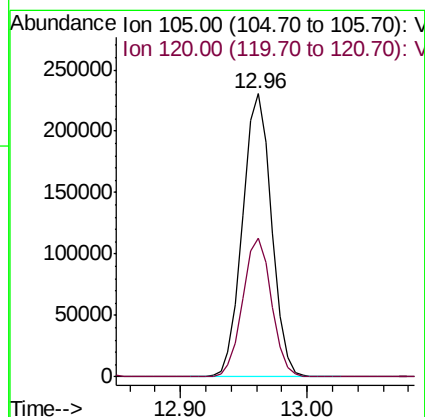
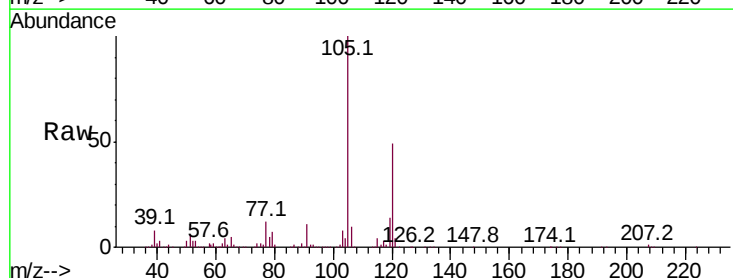
Acq: 21 Sep 2020 15:26

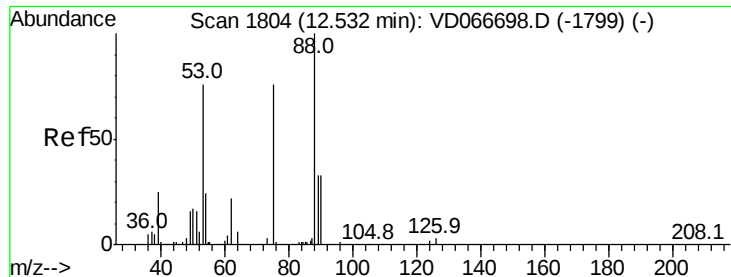
Tgt Ion:105 Resp: 365797

Ion Ratio Lower Upper

105 100

120 48.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 15.410 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

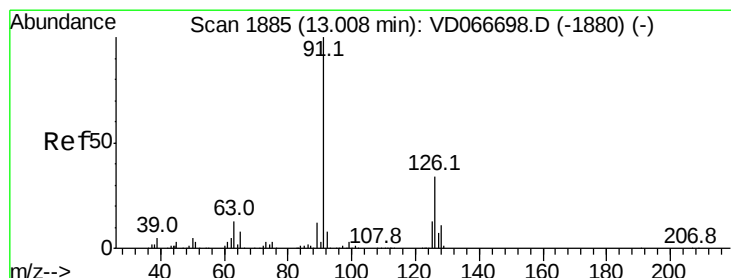
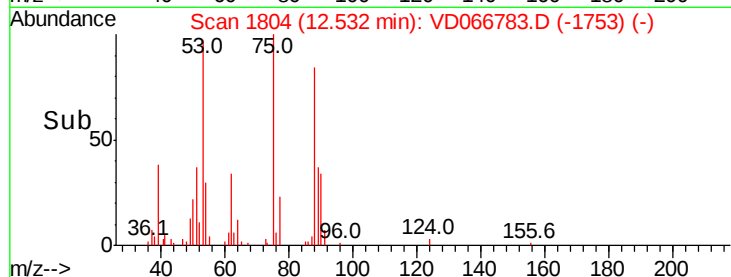
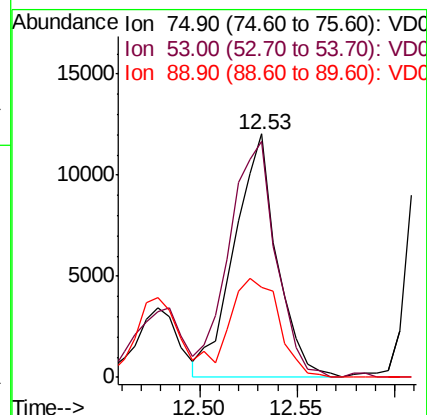
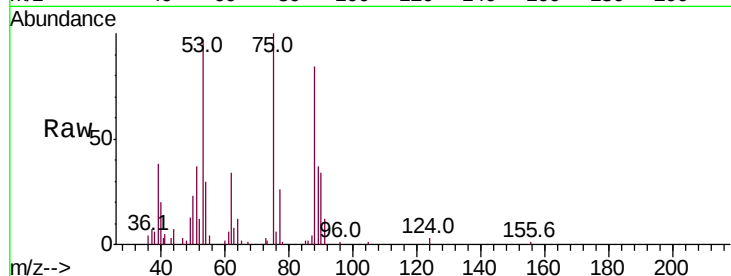
Tot Ion: 75 Resp: 18248

Ion Ratio Lower Upper

75 100

53 107.1 82.2 123.4

89 44.9 39.6 59.4



#82

4-Chlorotoluene

Concen: 19.277 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066783.D

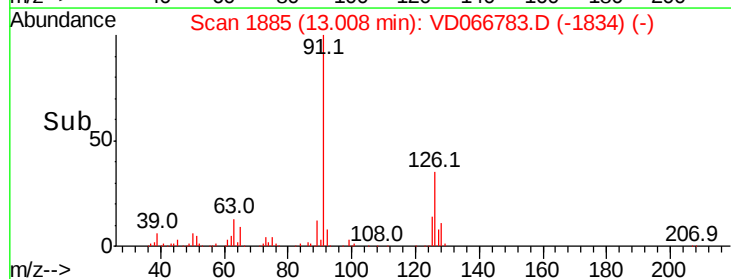
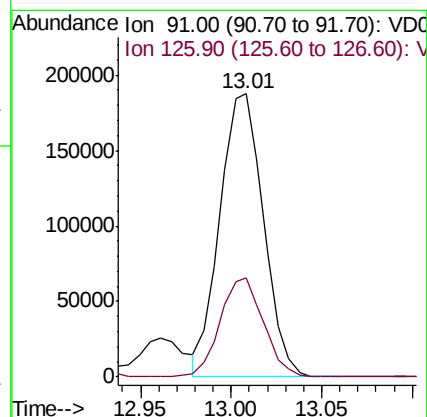
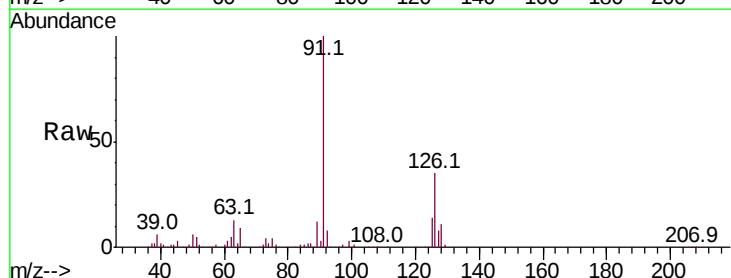
Acq: 21 Sep 2020 15:26

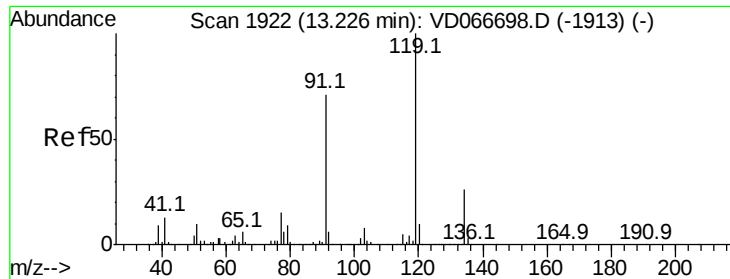
Tgt Ion: 91 Resp: 313149

Ion Ratio Lower Upper

91 100

126 34.7 16.8 50.4

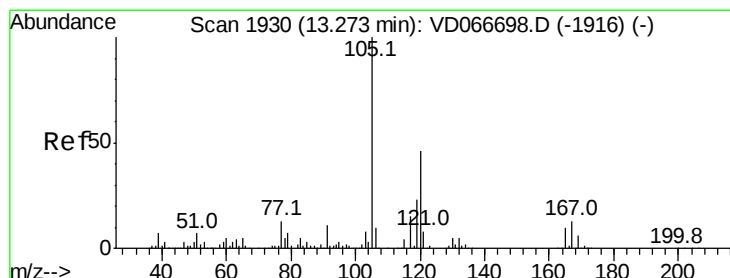
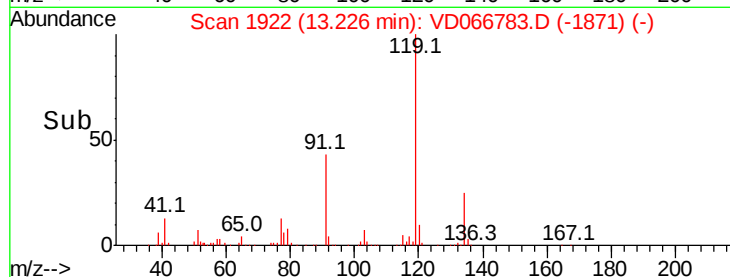
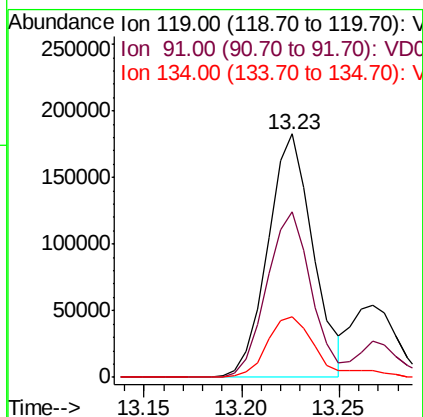
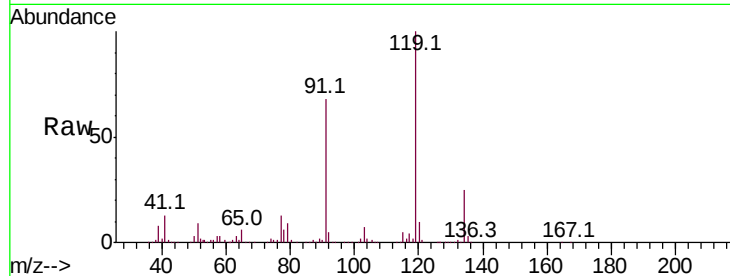




#83
tert-Butylbenzene
Concen: 18.838 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

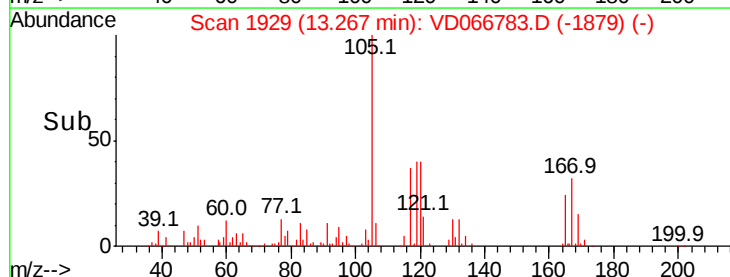
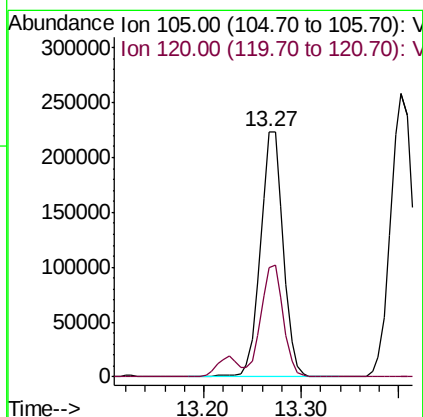
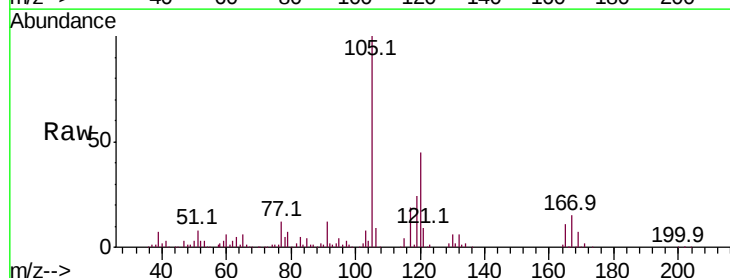
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

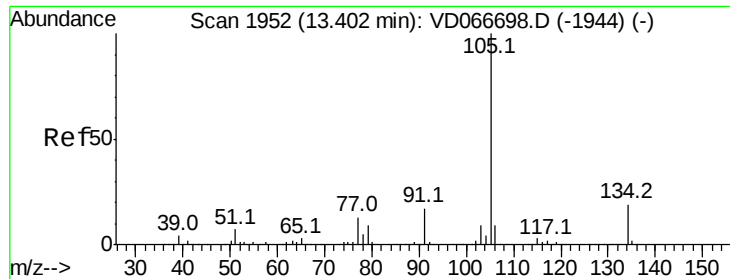
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	35.0	105.1
134	27.8	13.6	40.8



#84
1,2,4-Trimethylbenzene
Concen: 19.390 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.2





#85

sec-Butylbenzene

Concen: 18.787 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

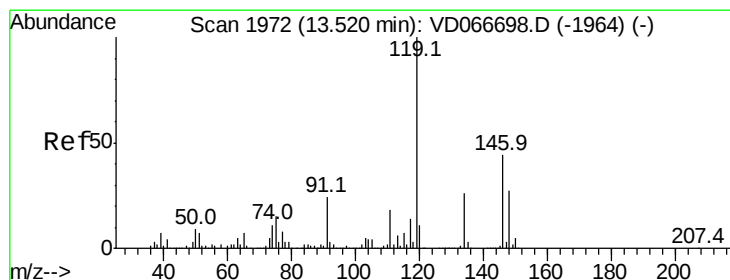
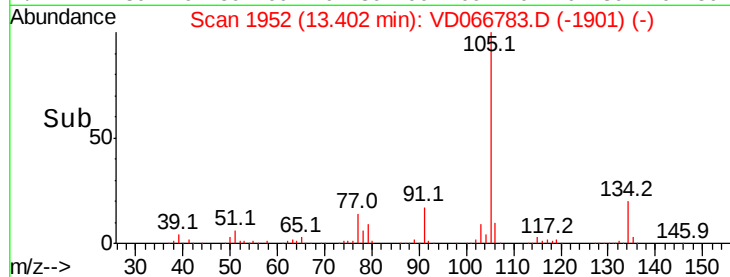
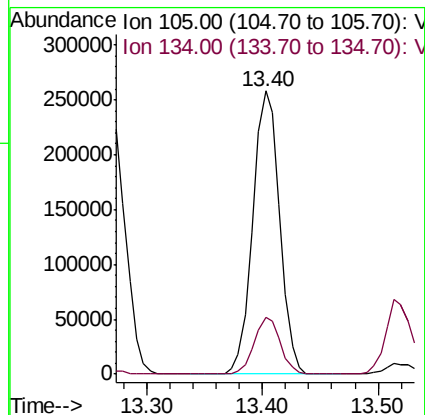
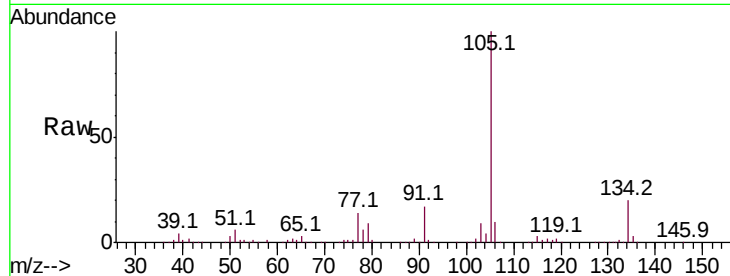
VD0921SBS01

Tot Ion:105 Resp: 418361

Ion Ratio Lower Upper

105 100

134 19.4 10.0 30.0



#86

p-Isopropyltoluene

Concen: 19.088 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

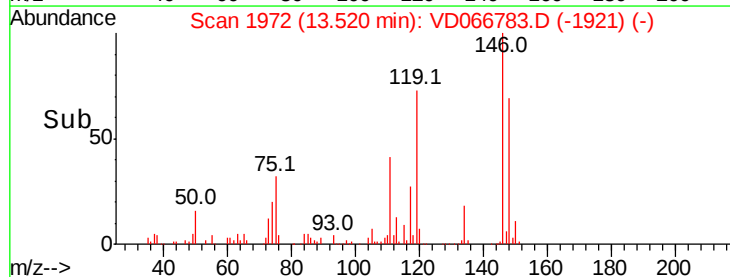
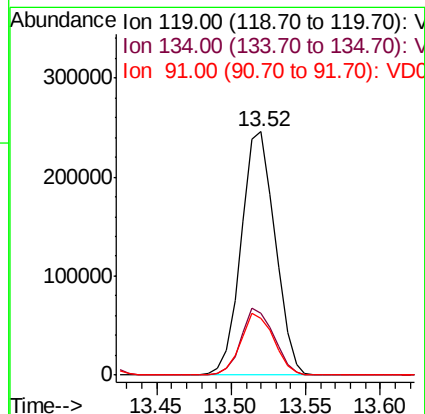
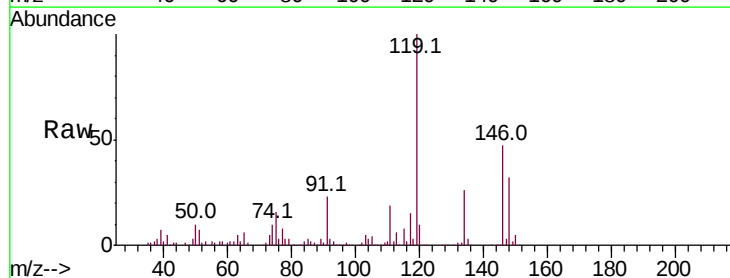
Tgt Ion:119 Resp: 386433

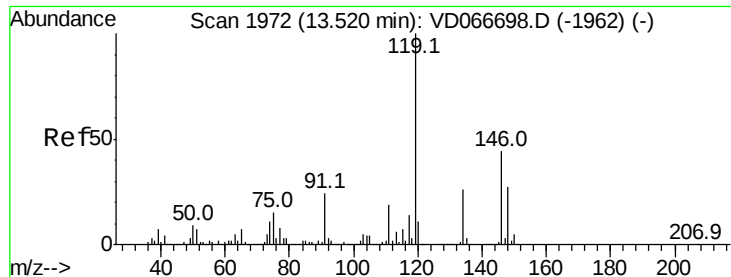
Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.7

91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.367 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

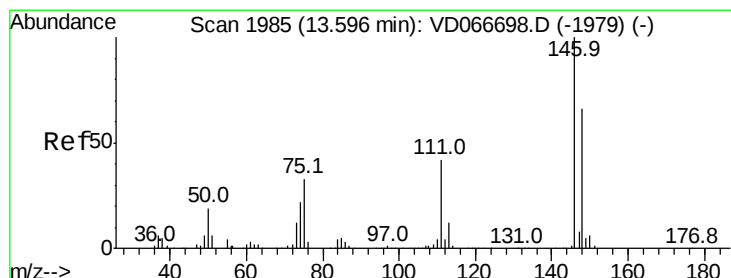
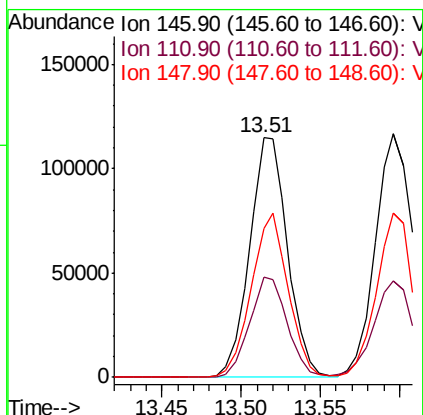
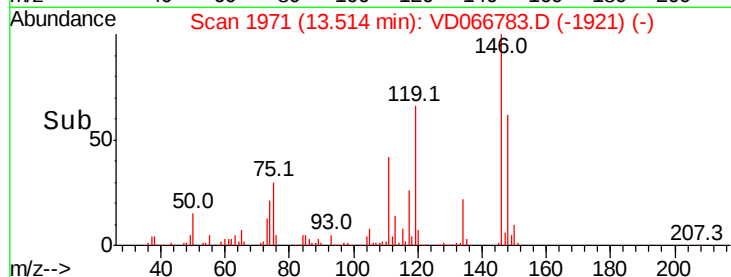
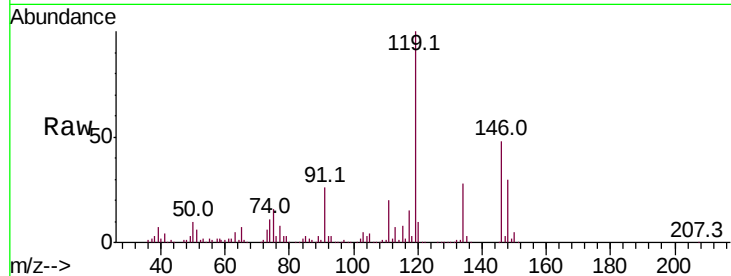
Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion:146 Resp: 190874

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	66.6	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 19.735 ug/l

RT: 13.60 min Scan# 1985

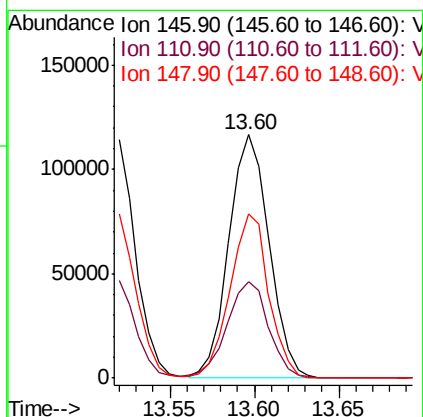
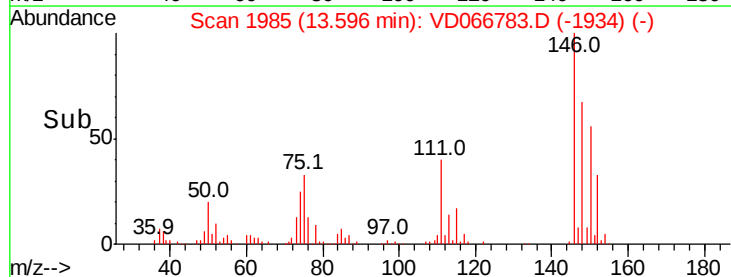
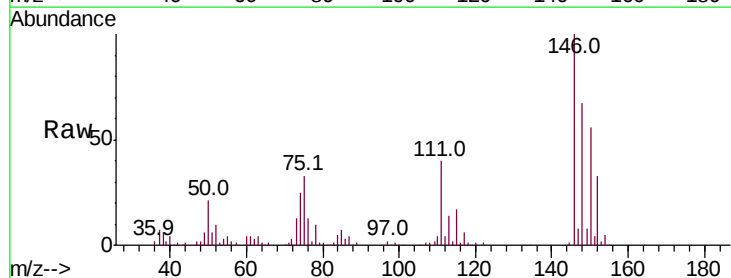
Delta R.T. -0.00 min

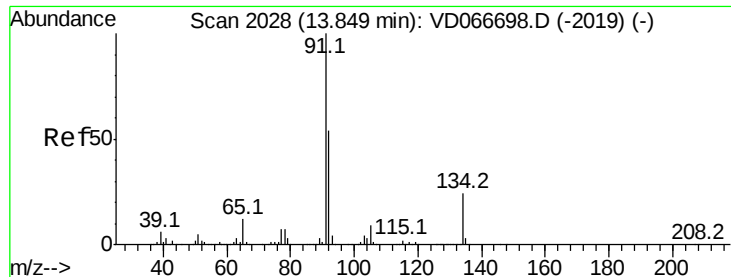
Lab File: VD066783.D

Acq: 21 Sep 2020 15:26

Tgt Ion:146 Resp: 193689

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	64.9	32.7	98.1

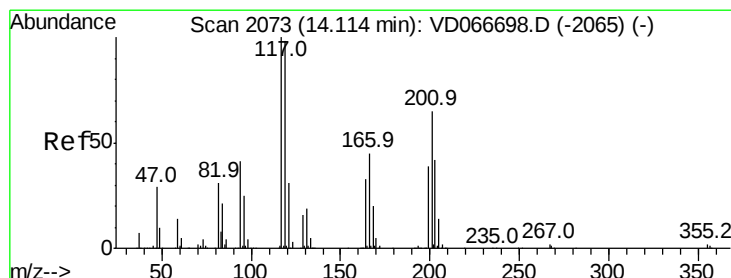
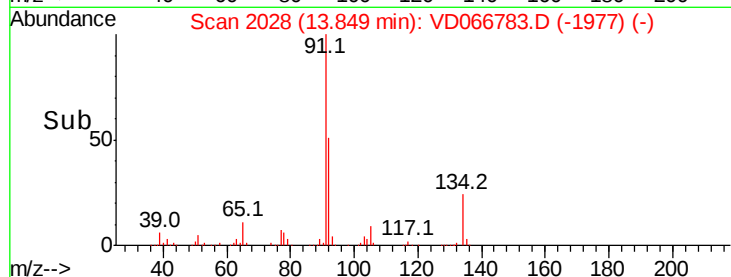
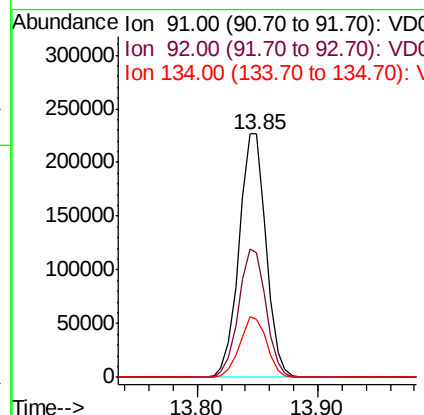
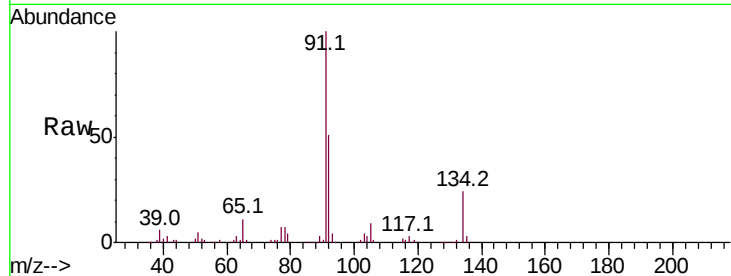




#89
n-Butylbenzene
Concen: 18.370 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

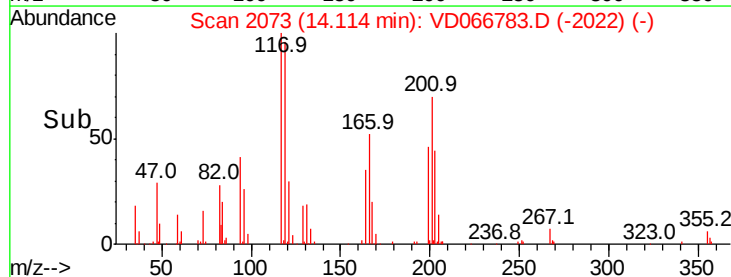
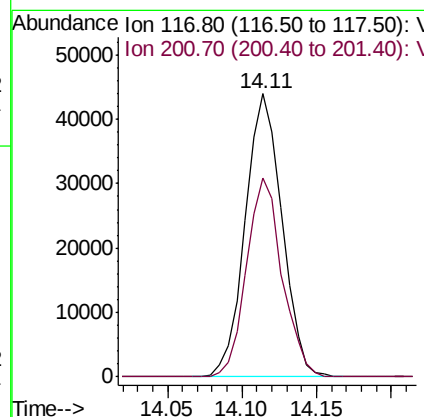
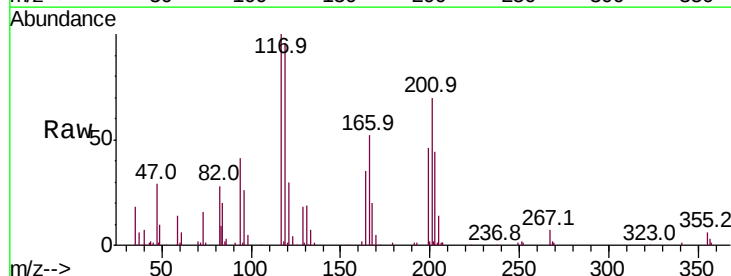
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

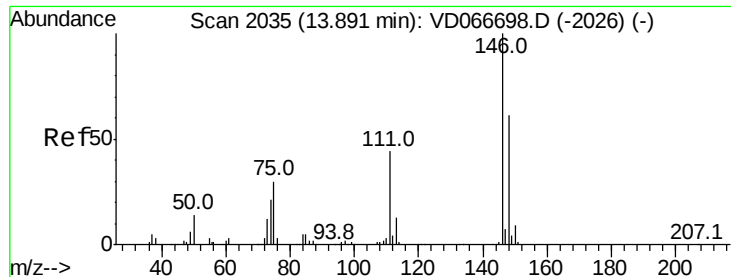
Tot Ion: 91 Resp: 353624
Ion Ratio Lower Upper
91 100
92 53.2 27.0 81.0
134 25.0 12.4 37.0



#90
Hexachloroethane
Concen: 17.965 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion: 117 Resp: 74712
Ion Ratio Lower Upper
117 100
201 68.3 33.1 99.3

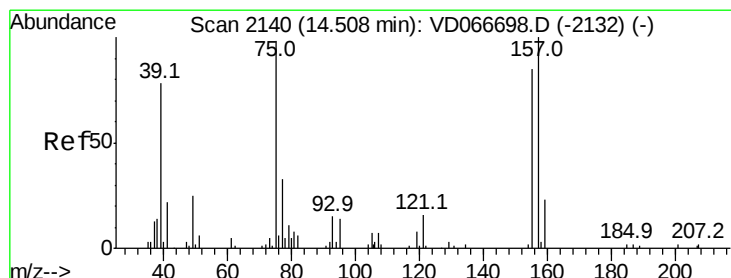
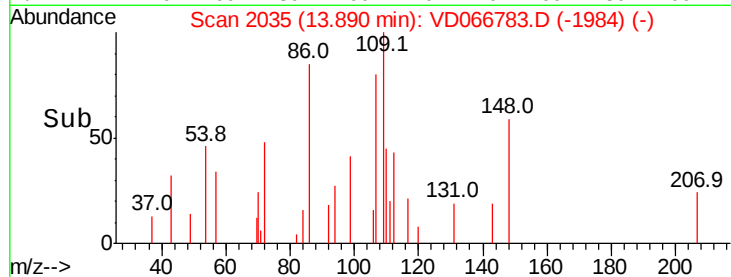
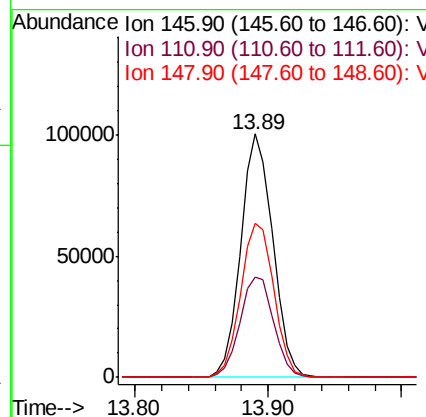
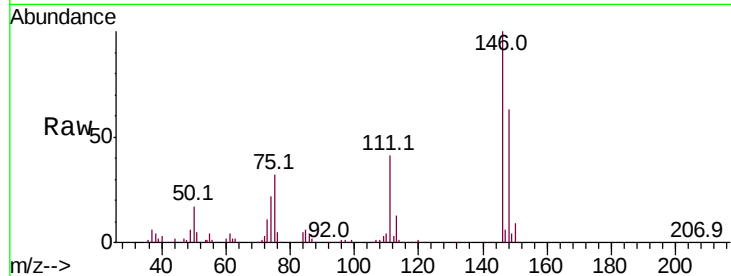




#91
 1,2-Dichlorobenzene
 Concen: 19.694 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

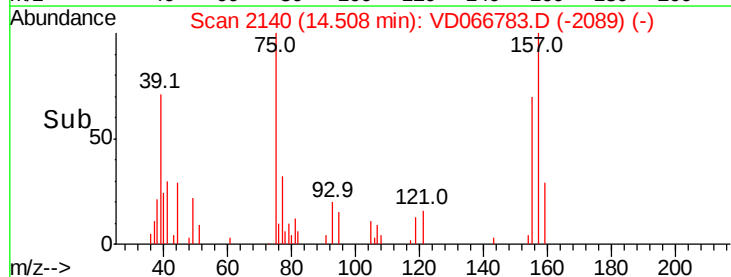
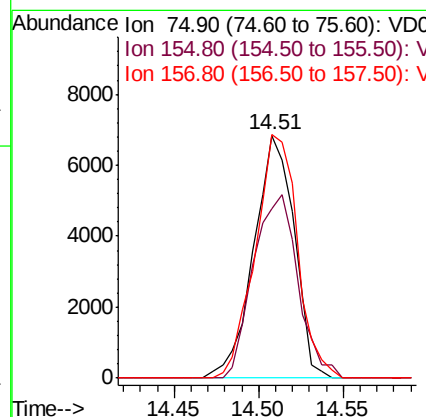
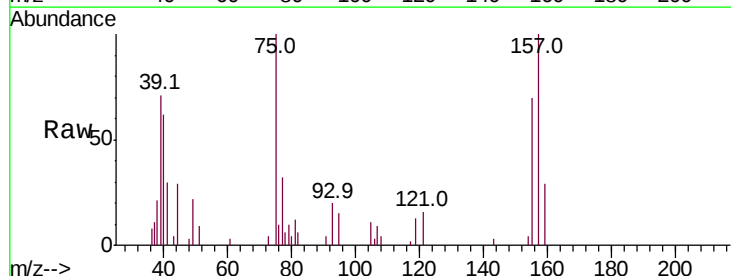
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

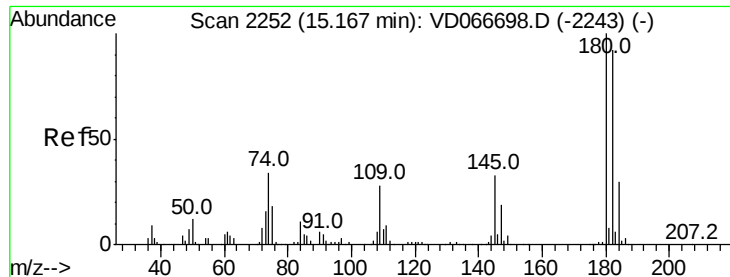
Tot Ion:146 Resp: 166312
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.6 64.6
 148 65.5 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.486 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion: 75 Resp: 11318
 Ion Ratio Lower Upper
 75 100
 155 84.1 38.9 116.7
 157 105.0 46.4 139.2

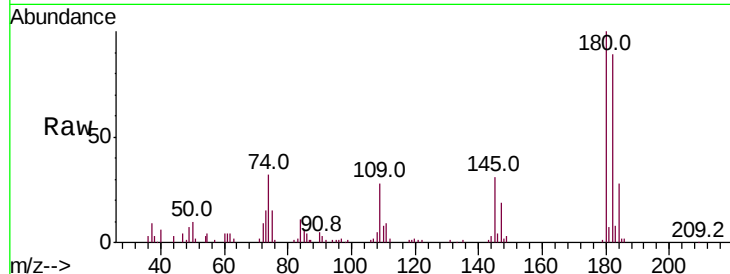




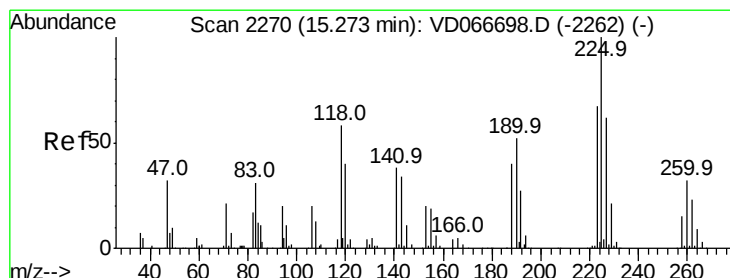
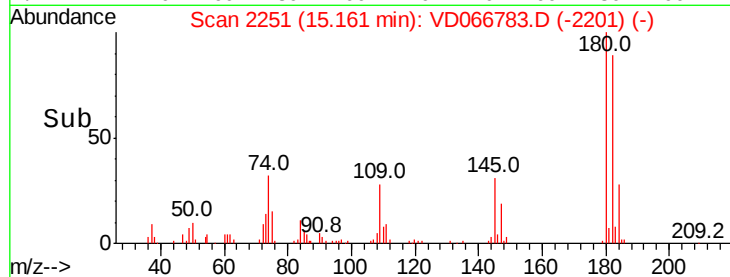
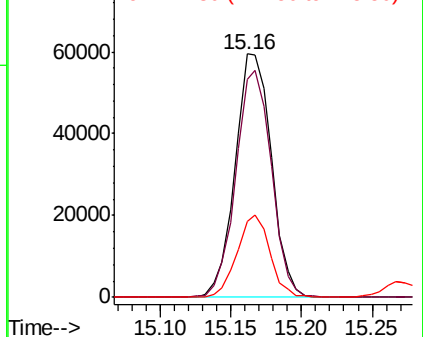
#93
 1,2,4-Trichlorobenzene
 Concen: 20.876 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	46.6	139.7
145	30.5	16.5	49.5

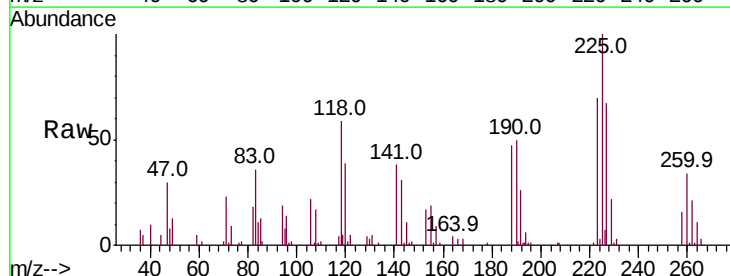


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

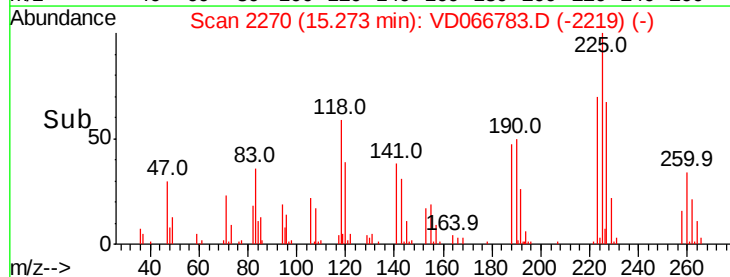
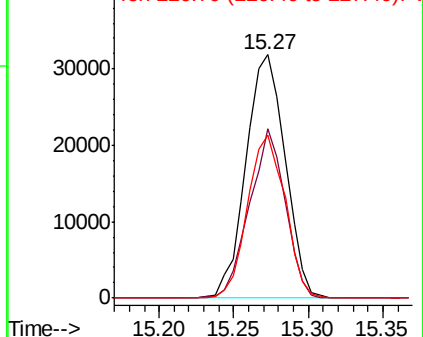


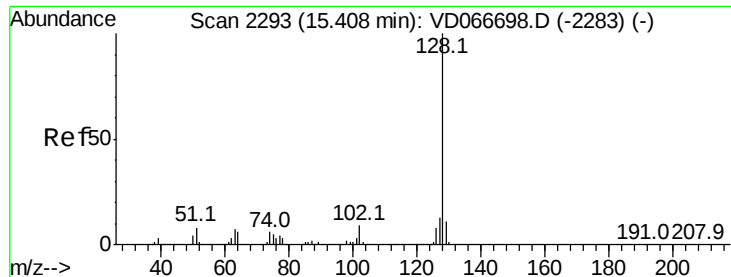
#94
 Hexachlorobutadiene
 Concen: 18.878 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066783.D
 Acq: 21 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.9
227	64.0	31.3	93.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

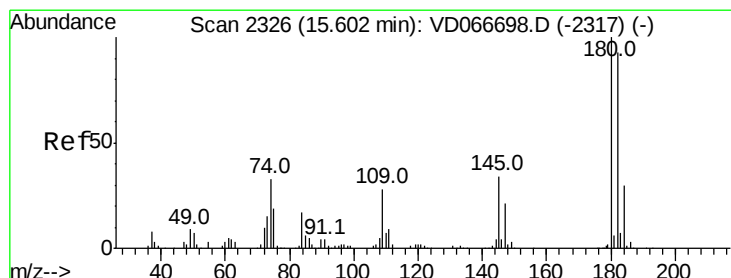
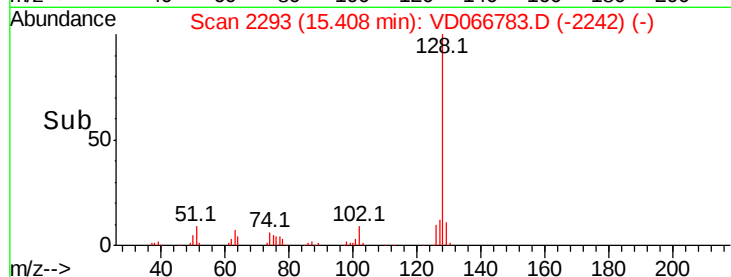
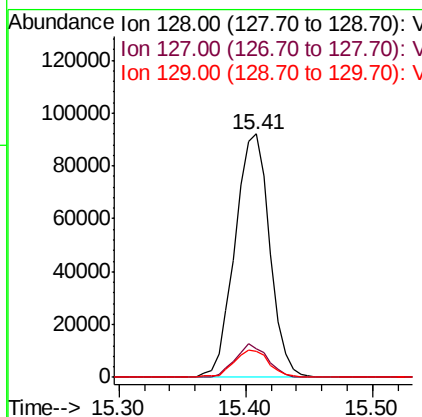
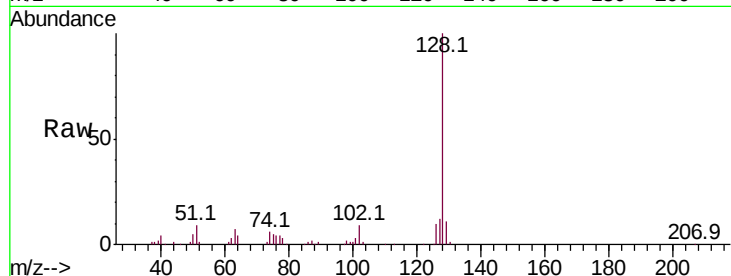




#95
Naphthalene
Concen: 19.578 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion:128 Resp: 174719
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 11.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.038 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066783.D
Acq: 21 Sep 2020 15:26

Tgt Ion:180 Resp: 89396
Ion Ratio Lower Upper
180 100
182 98.5 46.6 139.8
145 36.1 17.1 51.3

