

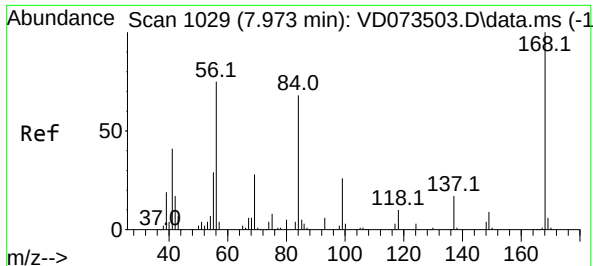
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060922\
 Data File : VD073514.D
 Acq On : 09 Jun 2022 18:17
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 10 06:14:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 10 05:32:19 2022
 Response via : Initial Calibration

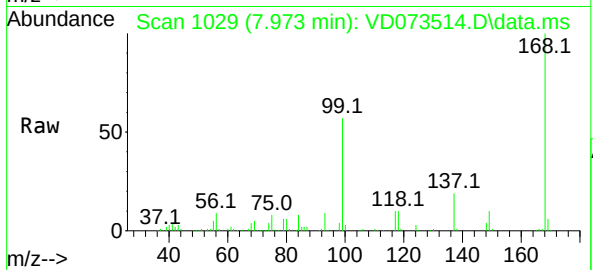
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	342581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	640000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	736034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	371876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	174169	47.375	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.760%
35) Dibromofluoromethane	7.908	113	200733	48.775	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.560%
50) Toluene-d8	10.332	98	857420	55.104	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.200%
62) 4-Bromofluorobenzene	12.620	95	363318	64.319	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.640%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	1447	4.487	ug/l #	61
11) Tert butyl alcohol	5.185	59	22361	Below Cal	#	74
13) Acrolein	4.144	56	1969	12.160	ug/l #	46
15) Acrylonitrile	5.485	53	6467	8.175	ug/l #	44
16) Acetone	4.144	43	9748	15.059	ug/l #	74
18) Methyl Acetate	4.944	43	25681	15.057	ug/l #	55
20) Methylene Chloride	4.962	84	26629	3.529	ug/l #	82
25) 2-Butanone	7.203	43	7408	7.778	ug/l #	71
31) Cyclohexane	7.967	56	40718	6.575	ug/l #	85
36) 1,1-Dichloropropene	7.967	75	26724	4.324	ug/l #	53
38) Carbon Tetrachloride	7.967	117	34792	5.381	ug/l #	18
39) Methylcyclohexane	9.350	83	621901	86.338	ug/l	97
43) Isopropyl Acetate	8.438	43	32033	6.668	ug/l #	54
45) 1,2-Dichloropropane	9.350	63	6791	1.525	ug/l #	1
48) Methyl methacrylate	9.397	41	17945	7.541	ug/l #	19
51) 4-Methyl-2-Pentanone	10.332	43	25597	10.531	ug/l #	84
55) 1,1,2-Trichloroethane	10.767	97	52782	14.750	ug/l #	21
56) Ethyl methacrylate	10.673	69	19312	4.710	ug/l #	36
59) 2-Hexanone	10.944	43	49685	29.847	ug/l #	32
74) N-amyl acetate	12.255	43	10897	1.900	ug/l #	75
76) 1,2,3-Trichloropropane	12.620	75	177664	49.179	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	177664	115.430	ug/l #	7
95) Naphthalene	15.385	128	601	4.245	ug/l #	70

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

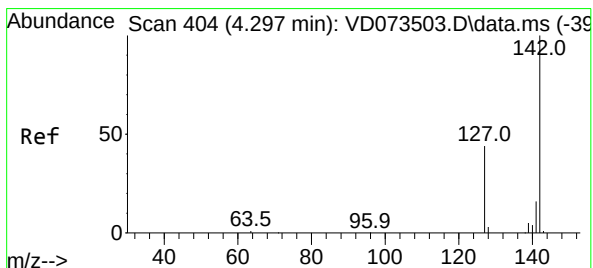
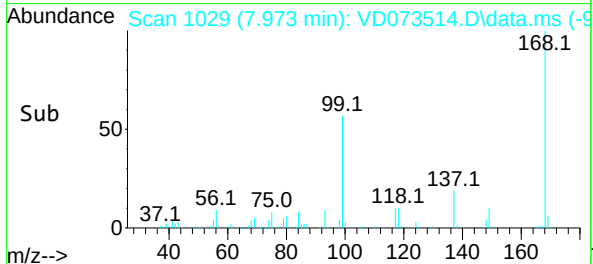
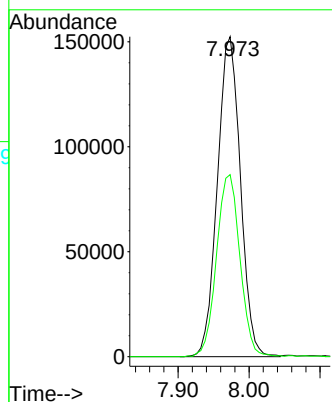


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Instrument :
MSVOA_D
ClientSampleId :

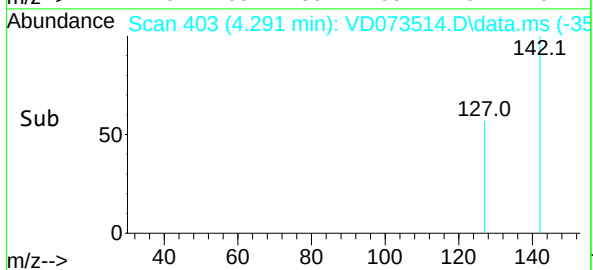
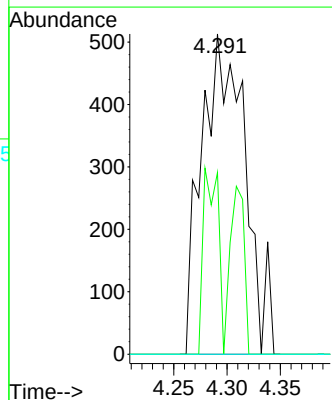
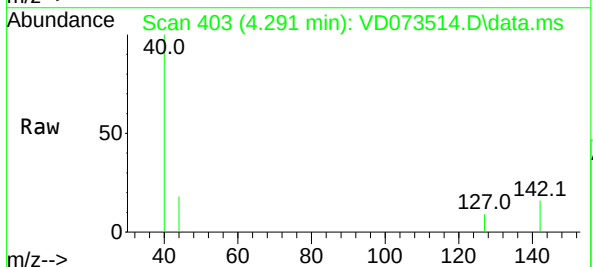


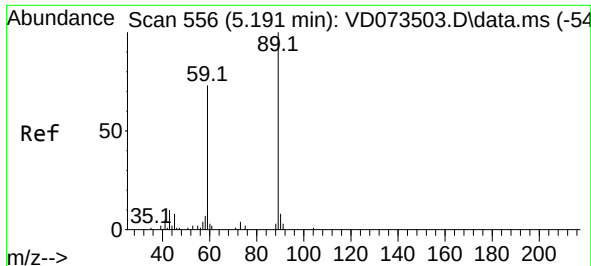
Tgt Ion:168 Resp: 342581
Ion Ratio Lower Upper
168 100
99 56.9 49.8 74.6



#10
Methyl Iodide
Concen: 4.487 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion:142 Resp: 1447
Ion Ratio Lower Upper
142 100
127 20.2 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.185 min Scan# 51

Delta R.T. -0.006 min

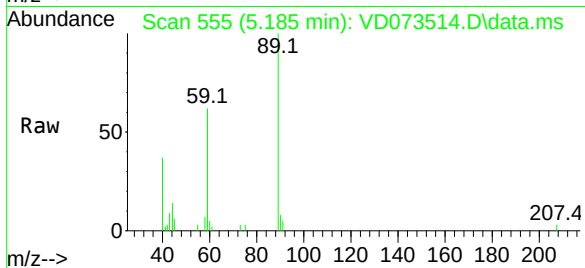
Lab File: VD073514.D

Acq: 09 Jun 2022 18:17

Instrument :

MSVOA_D

ClientSampleId :

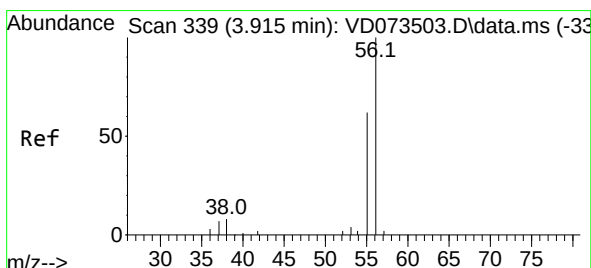
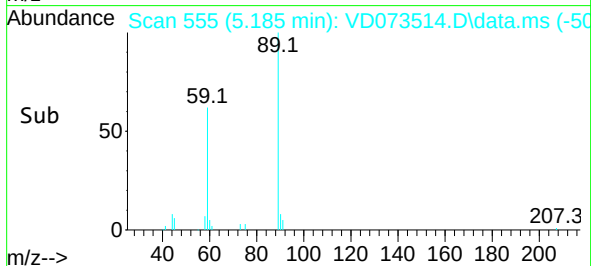
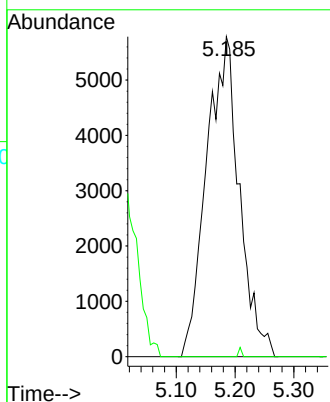


Tgt Ion: 59 Resp: 22361

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: 12.160 ug/l

RT: 4.144 min Scan# 378

Delta R.T. 0.229 min

Lab File: VD073514.D

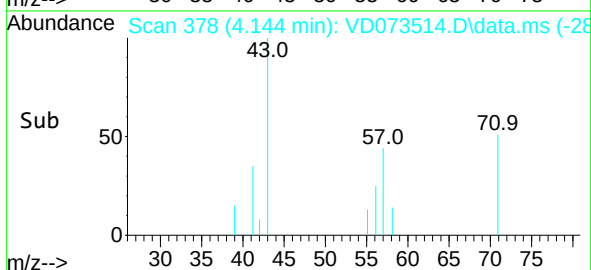
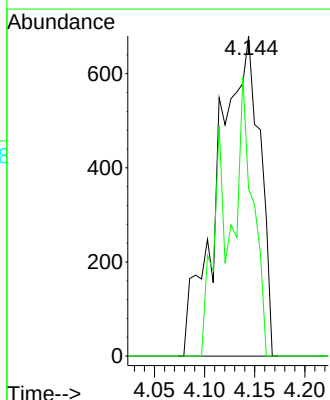
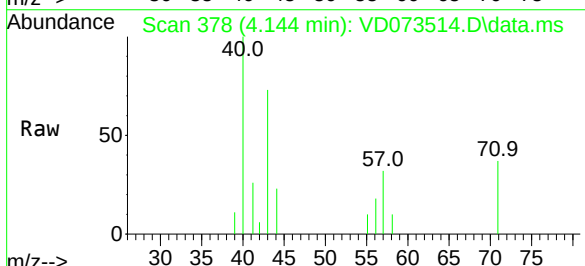
Acq: 09 Jun 2022 18:17

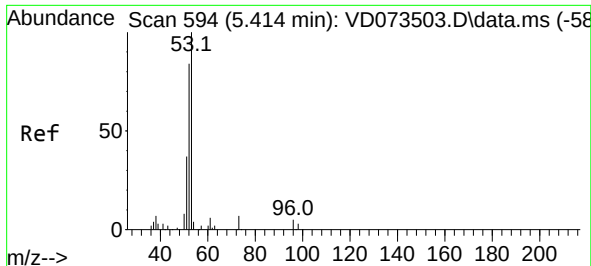
Tgt Ion: 56 Resp: 1969

Ion Ratio Lower Upper

56 100

55 26.7 57.1 85.7#

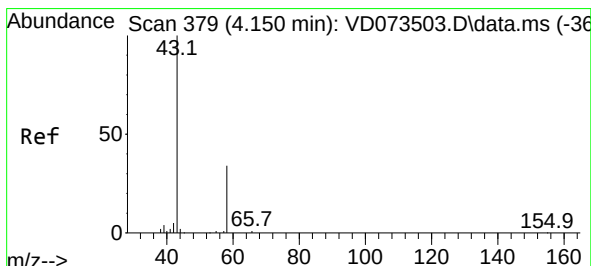
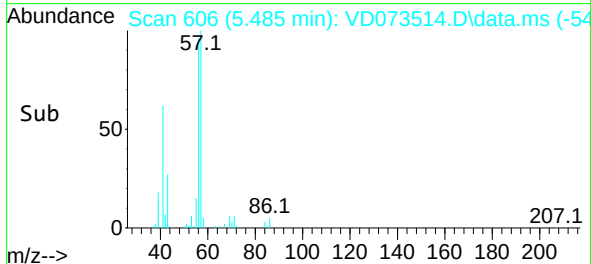
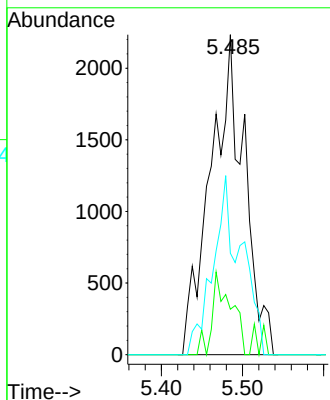
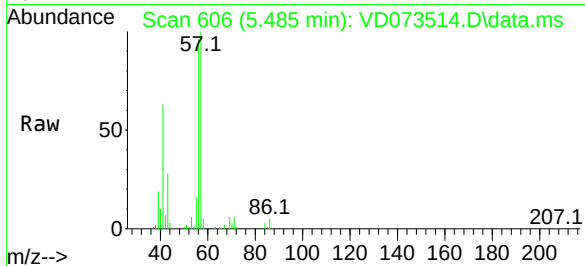




#15
Acrylonitrile
Concen: 8.175 ug/l
RT: 5.485 min Scan# 60
Delta R.T. 0.071 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

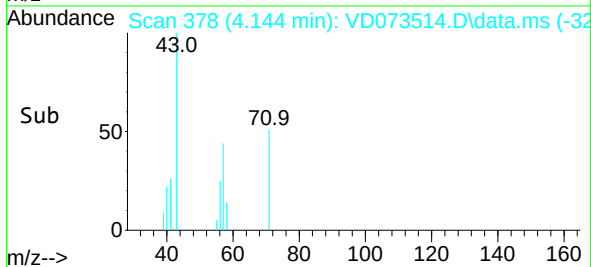
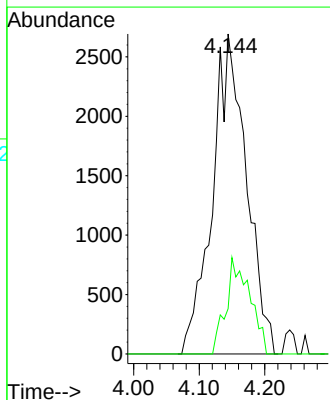
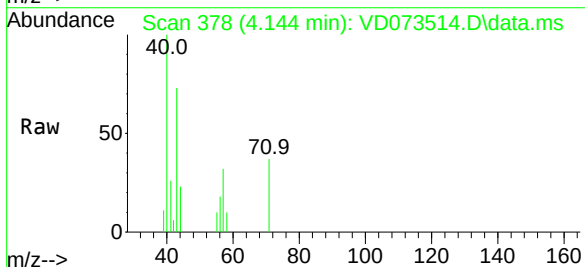
Instrument :
MSVOA_D
ClientSampleId :

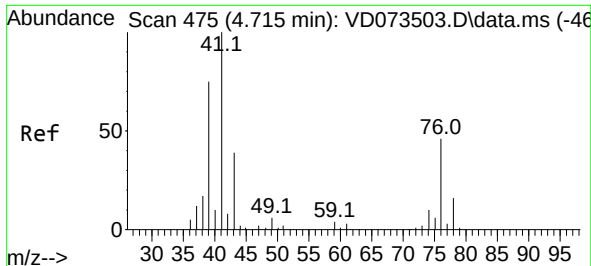
Tgt Ion: 53 Resp: 6467
Ion Ratio Lower Upper
53 100
52 14.6 67.2 100.8#
51 31.8 30.3 45.5



#16
Acetone
Concen: 15.059 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.006 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

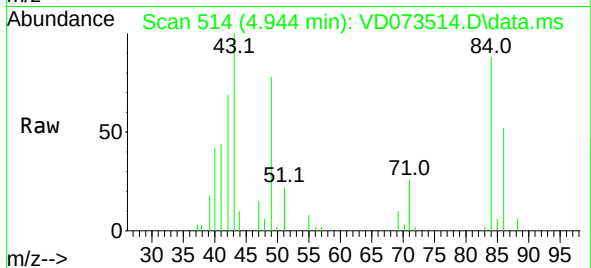
Tgt Ion: 43 Resp: 9748
Ion Ratio Lower Upper
43 100
58 14.1 22.1 33.1#



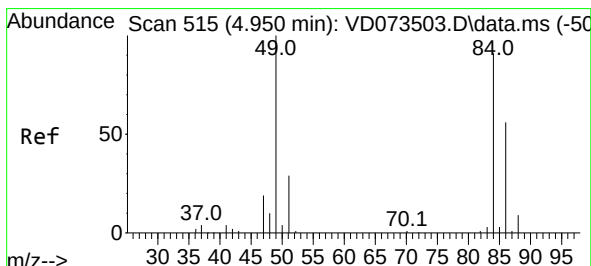
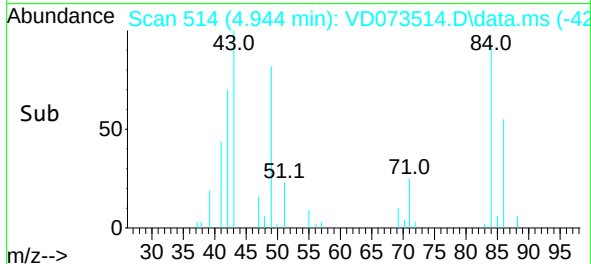
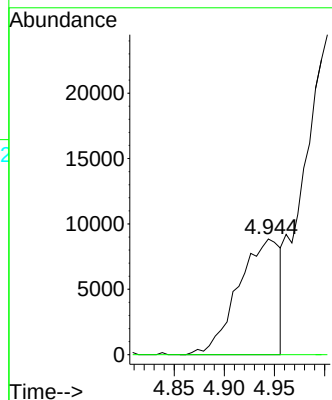


#18
Methyl Acetate
Concen: 15.057 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.229 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Instrument :
MSVOA_D
ClientSampleId :

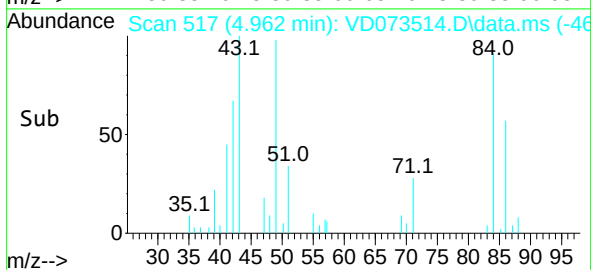
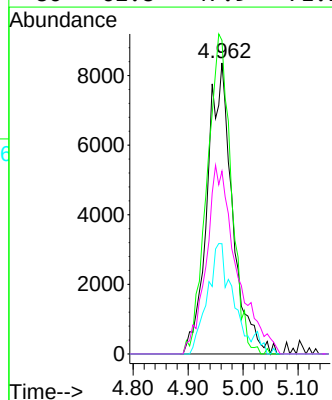
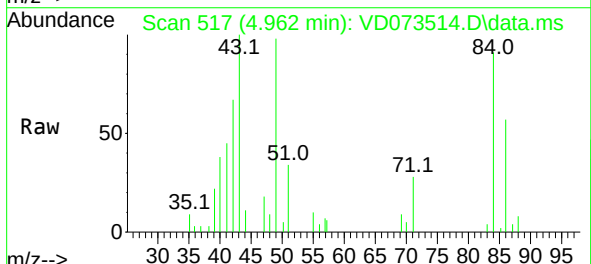


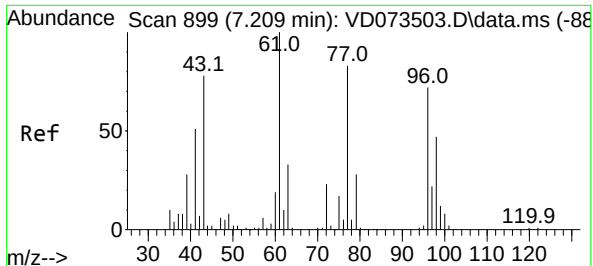
Tgt Ion: 43 Resp: 25681
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 3.529 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion: 84 Resp: 26629
Ion Ratio Lower Upper
84 100
49 107.7 112.8 169.2#
51 37.9 32.6 48.8
86 62.8 47.9 71.9

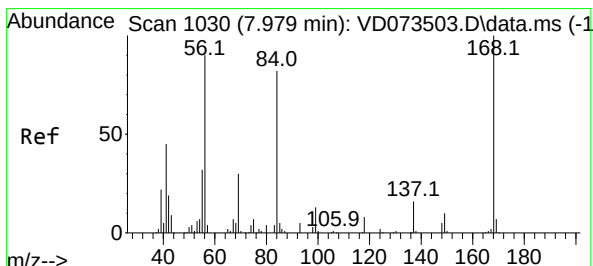
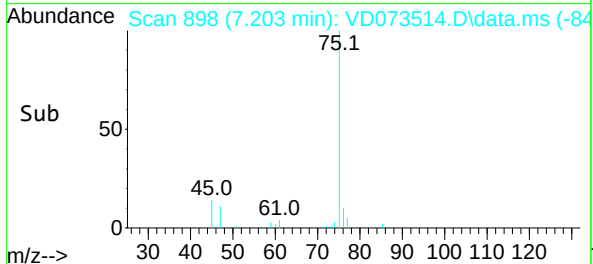
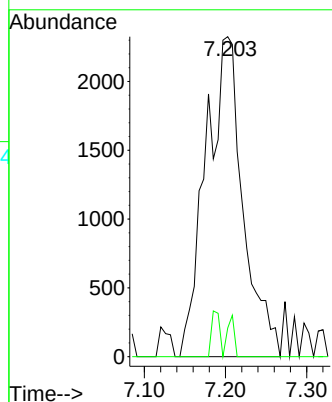
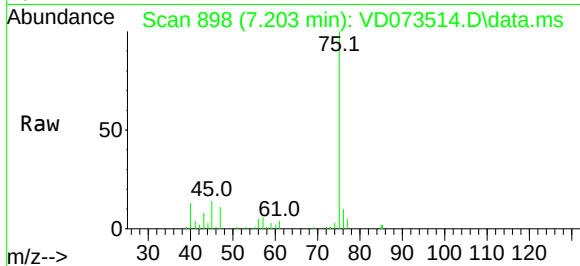




#25
2-Butanone
Concen: 7.778 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

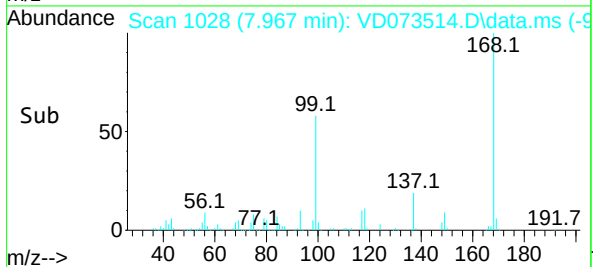
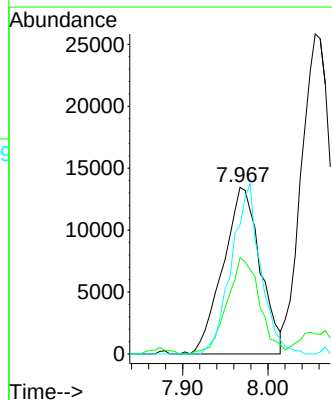
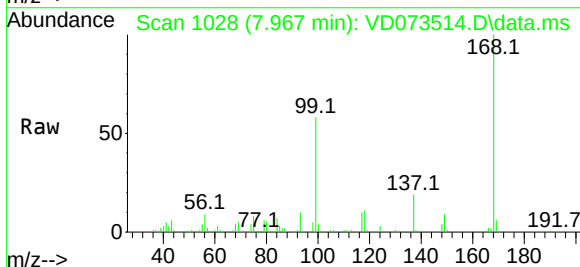
Instrument :
MSVOA_D
ClientSampleId :

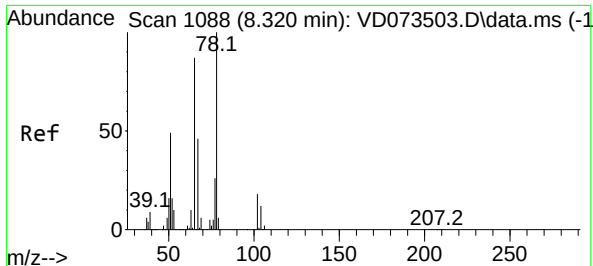
Tgt Ion: 43 Resp: 7408
Ion Ratio Lower Upper
43 100
72 8.9 18.6 27.8#



#31
Cyclohexane
Concen: 6.575 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion: 56 Resp: 40718
Ion Ratio Lower Upper
56 100
69 57.7 25.4 38.2#
84 77.3 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 47.375 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073514.D

Acq: 09 Jun 2022 18:17

Instrument :

MSVOA_D

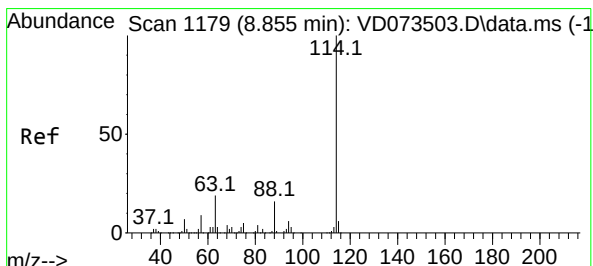
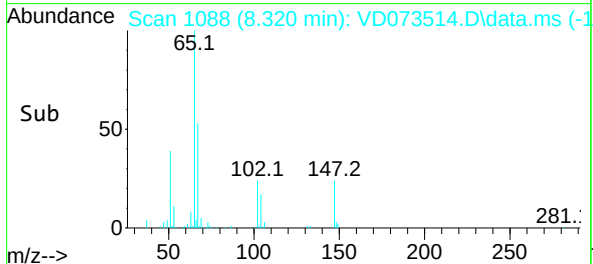
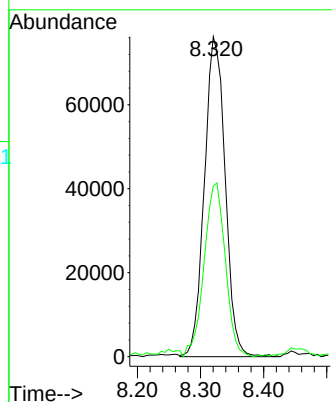
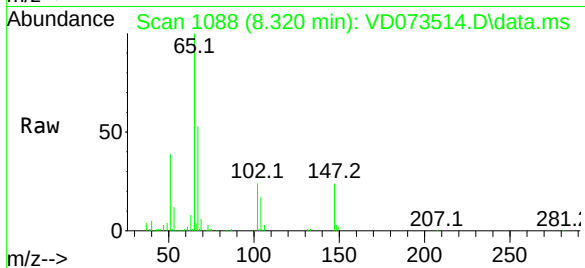
ClientSampleId :

Tgt Ion: 65 Resp: 174169

Ion Ratio Lower Upper

65 100

67 55.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073514.D

Acq: 09 Jun 2022 18:17

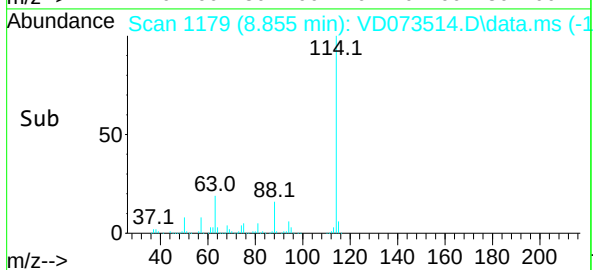
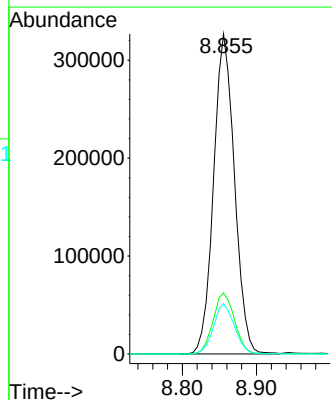
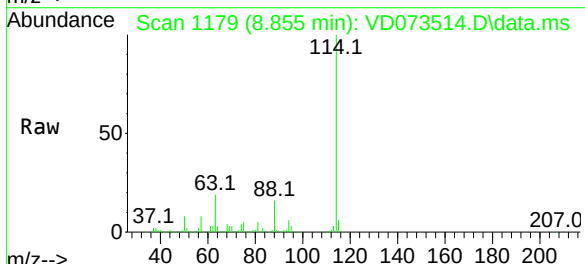
Tgt Ion: 114 Resp: 640000

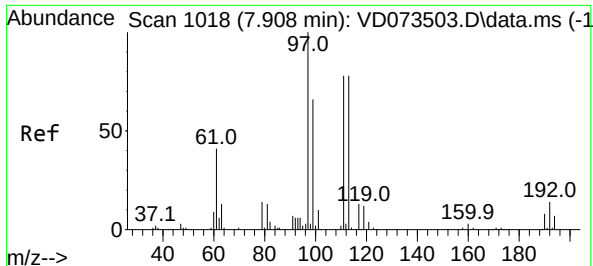
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.775 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

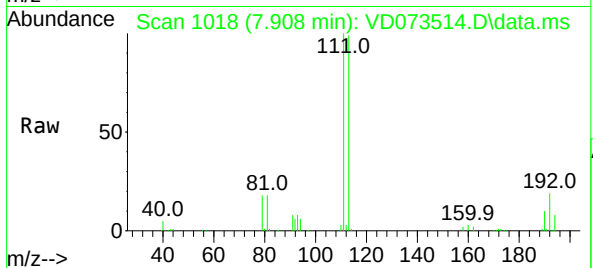
Lab File: VD073514.D

Acq: 09 Jun 2022 18:17

Instrument :

MSVOA_D

ClientSampleId :



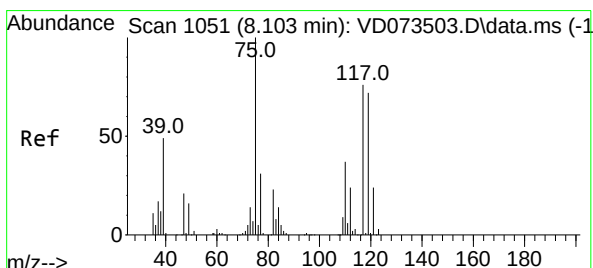
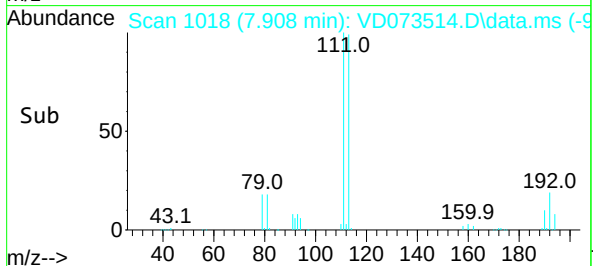
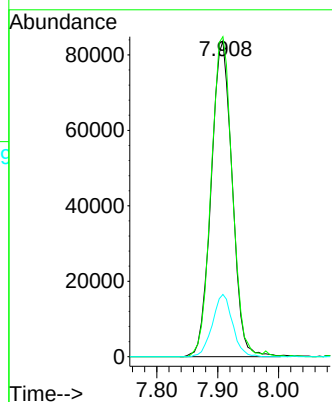
Tgt Ion:113 Resp: 200733

Ion Ratio Lower Upper

113 100

111 101.4 83.8 125.6

192 18.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.324 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073514.D

Acq: 09 Jun 2022 18:17

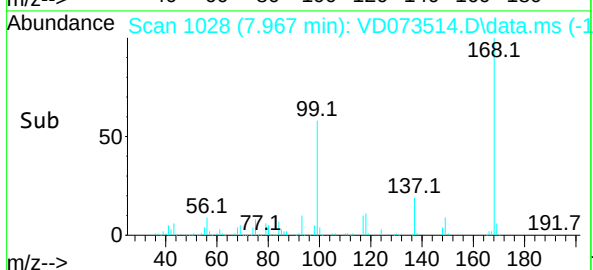
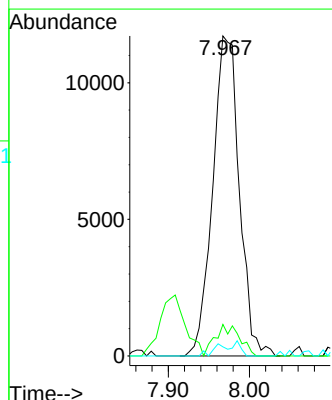
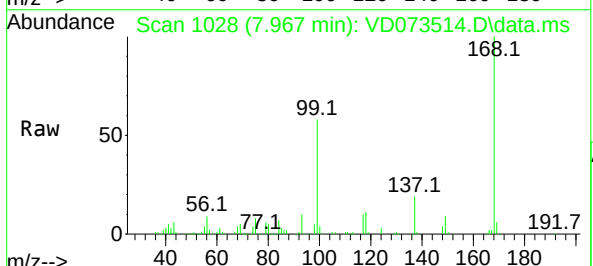
Tgt Ion: 75 Resp: 26724

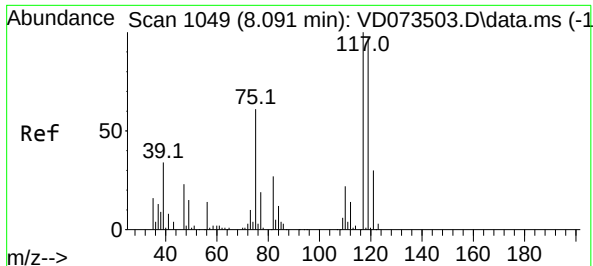
Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

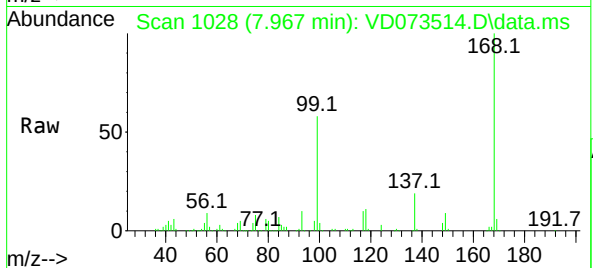
77 1.9 24.2 36.2#



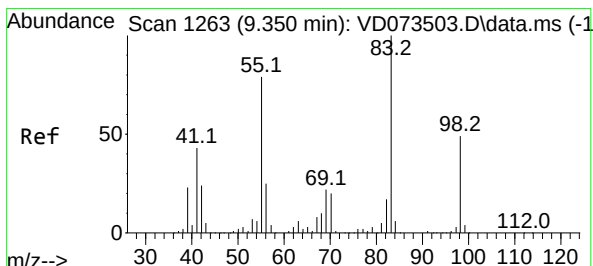
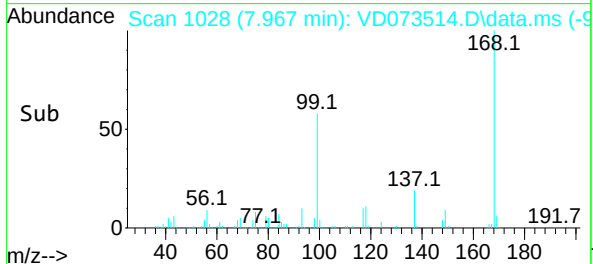
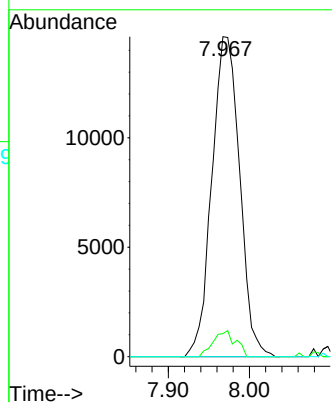


#38
Carbon Tetrachloride
Concen: 5.381 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Instrument :
MSVOA_D
ClientSampleId :

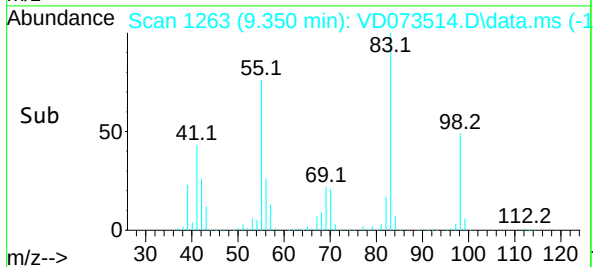
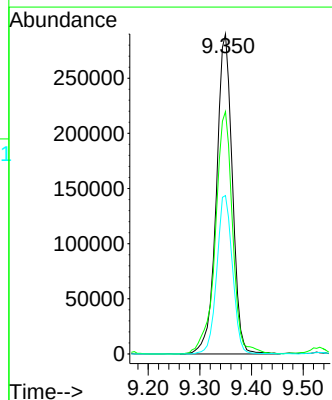
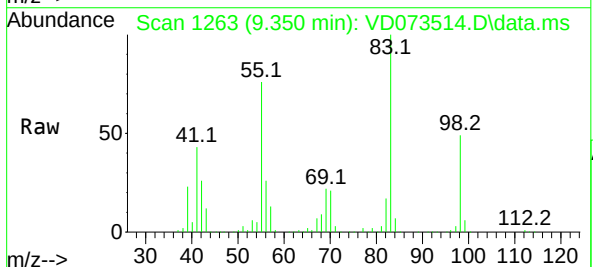


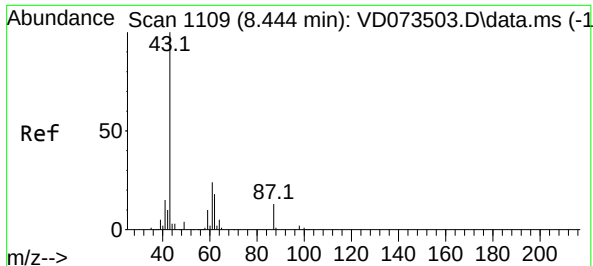
Tgt Ion:117 Resp: 34792
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 86.338 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion: 83 Resp: 621901
Ion Ratio Lower Upper
83 100
55 75.6 63.2 94.8
98 49.5 38.2 57.4





#43

Isopropyl Acetate

Concen: 6.668 ug/l

RT: 8.438 min Scan# 1109

Delta R.T. -0.006 min

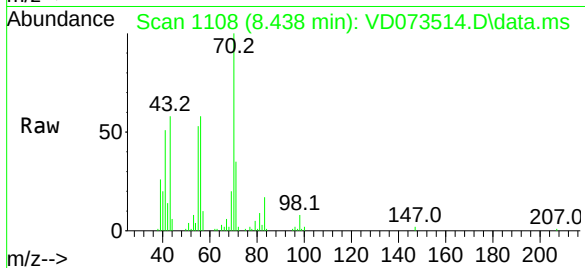
Lab File: VD073514.D

Acq: 09 Jun 2022 18:17

Instrument :

MSVOA_D

ClientSampleId :



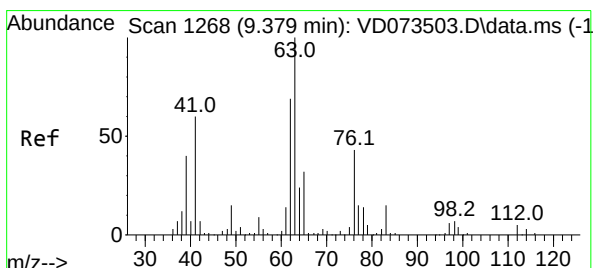
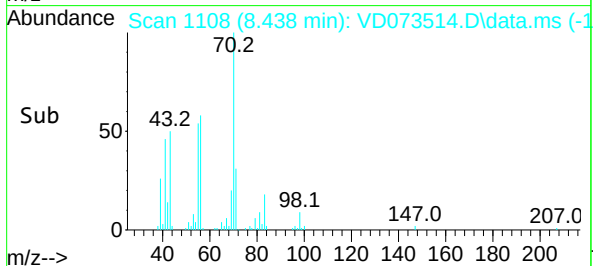
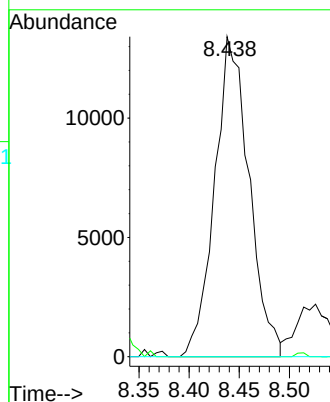
Tgt Ion: 43 Resp: 32033

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#



#45

1,2-Dichloropropane

Concen: 1.525 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.029 min

Lab File: VD073514.D

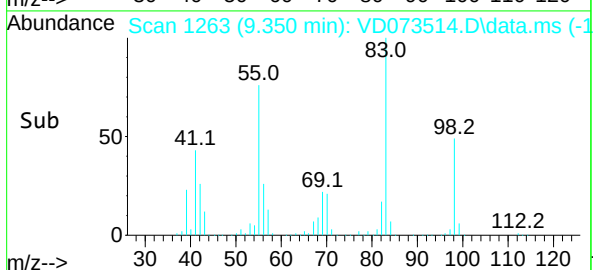
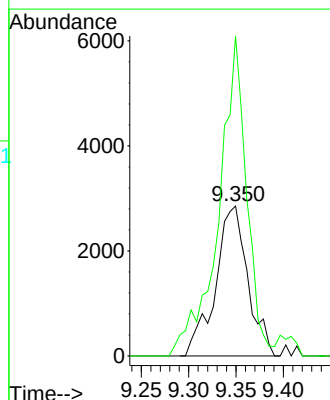
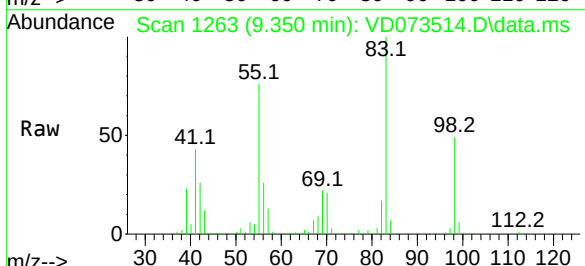
Acq: 09 Jun 2022 18:17

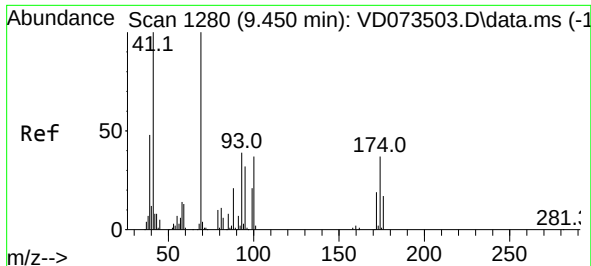
Tgt Ion: 63 Resp: 6791

Ion Ratio Lower Upper

63 100

65 199.5 26.2 39.4#





#48

Methyl methacrylate

Concen: 7.541 ug/l

RT: 9.397 min Scan# 1271

Delta R.T. -0.053 min

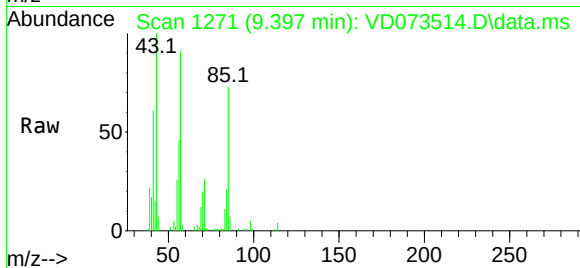
Lab File: VD073514.D

Acq: 09 Jun 2022 18:17

Instrument :

MSVOA_D

ClientSampleId :



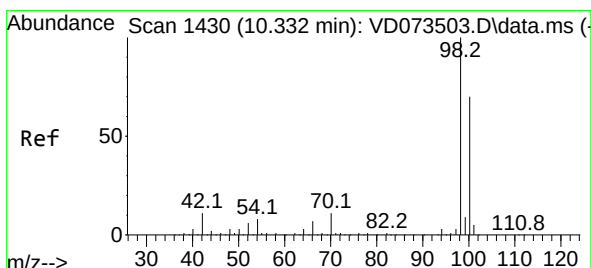
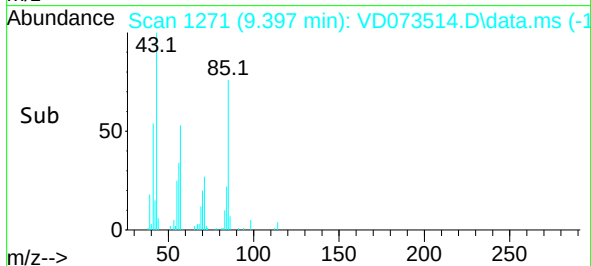
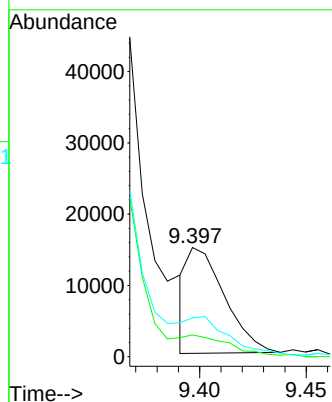
Tgt Ion: 41 Resp: 17945

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#50

Toluene-d8

Concen: 55.104 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073514.D

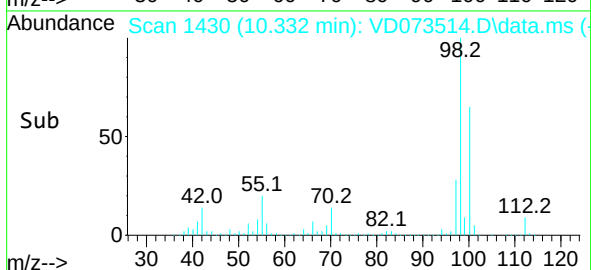
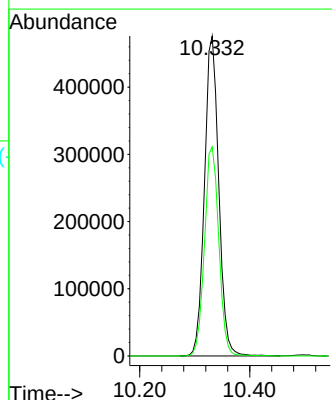
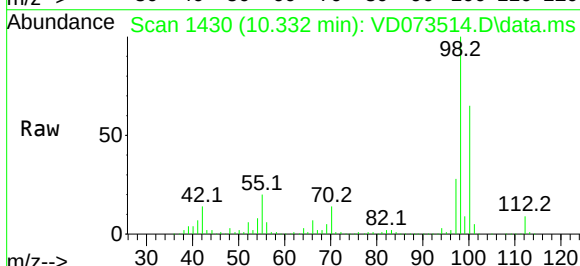
Acq: 09 Jun 2022 18:17

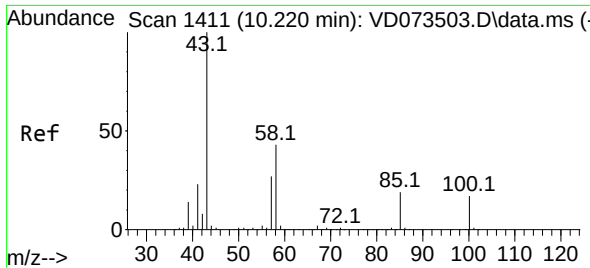
Tgt Ion: 98 Resp: 857420

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6

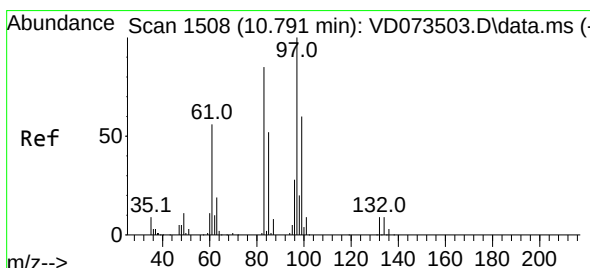
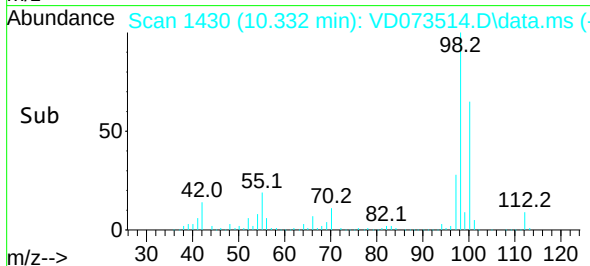
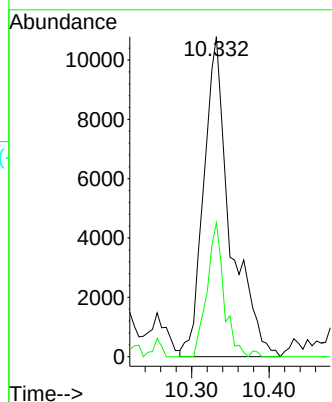
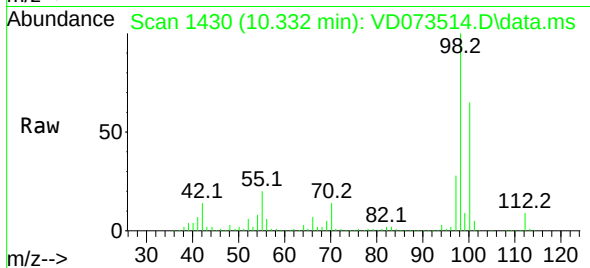




#51
4-Methyl-2-Pentanone
Concen: 10.531 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.112 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

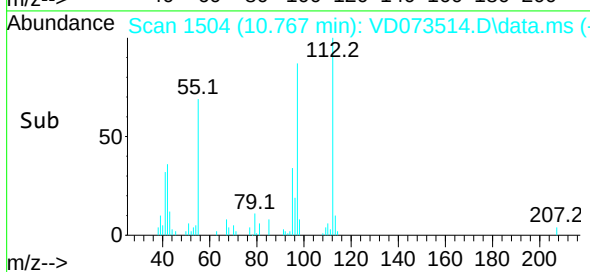
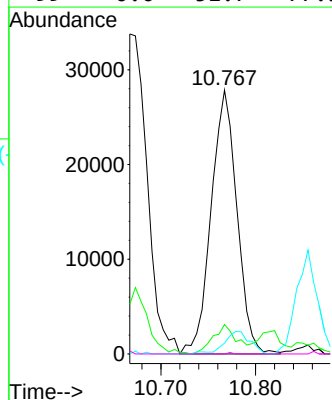
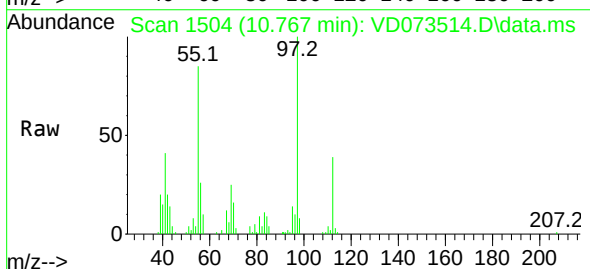
Instrument :
MSVOA_D
ClientSampleId :

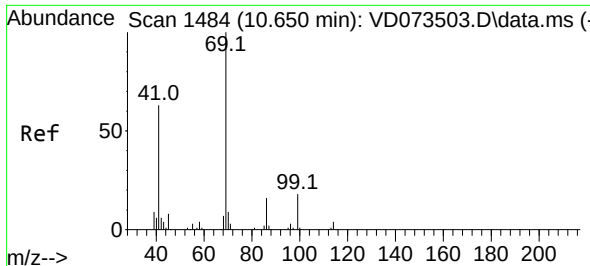
Tgt Ion: 43 Resp: 25597
Ion Ratio Lower Upper
43 100
58 26.6 28.6 43.0#



#55
1,1,2-Trichloroethane
Concen: 14.750 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion: 97 Resp: 52782
Ion Ratio Lower Upper
97 100
83 10.6 69.0 103.4#
85 4.1 42.6 63.8#
99 0.0 51.7 77.5#

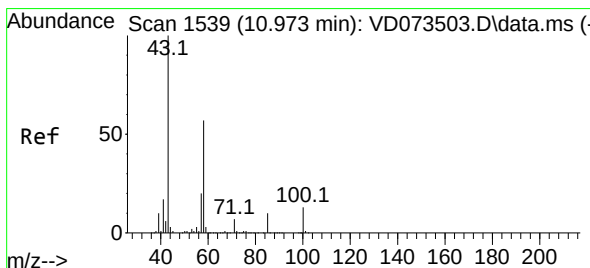
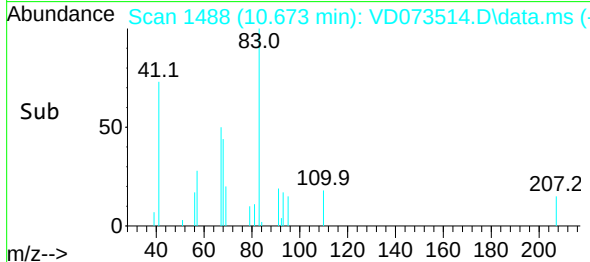
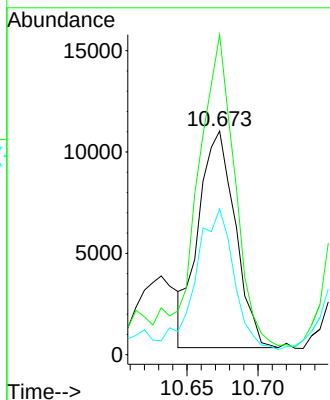
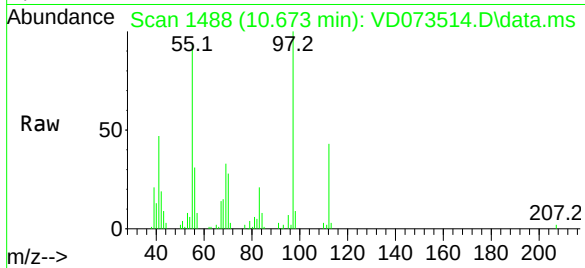




#56
Ethyl methacrylate
Concen: 4.710 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.023 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

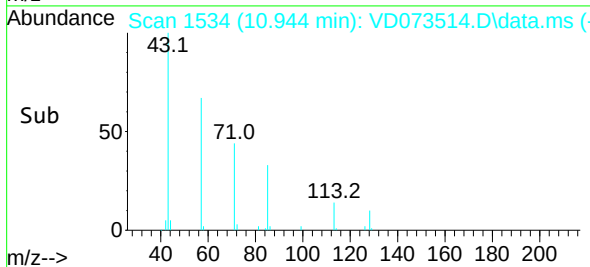
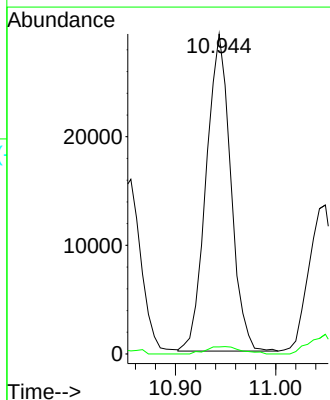
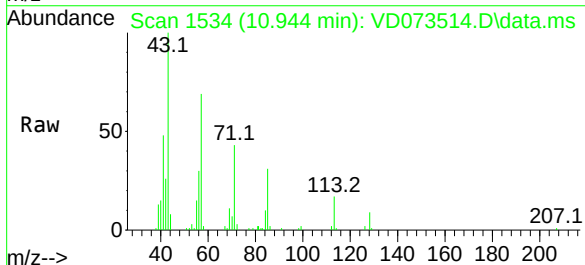
Instrument :
MSVOA_D
ClientSampleId :

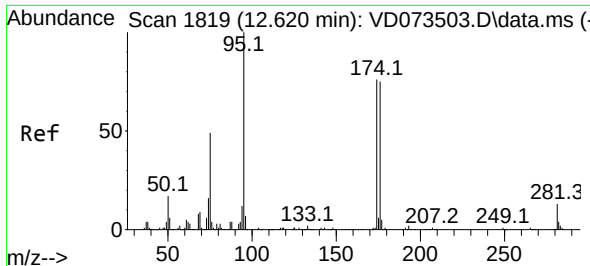
Tgt Ion: 69 Resp: 19312
Ion Ratio Lower Upper
69 100
41 146.2 63.0 94.6#
39 66.8 33.8 50.8#



#59
2-Hexanone
Concen: 29.847 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion: 43 Resp: 49685
Ion Ratio Lower Upper
43 100
58 3.3 25.3 75.9#

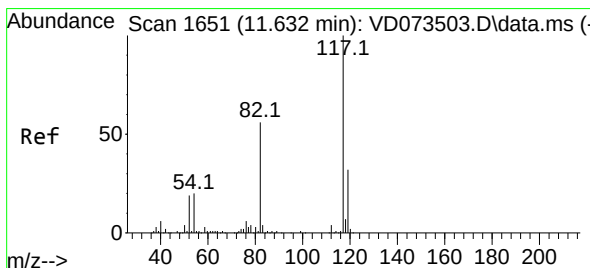
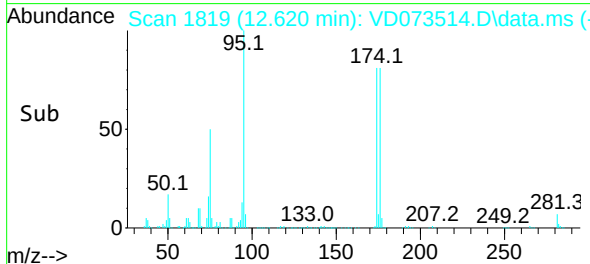
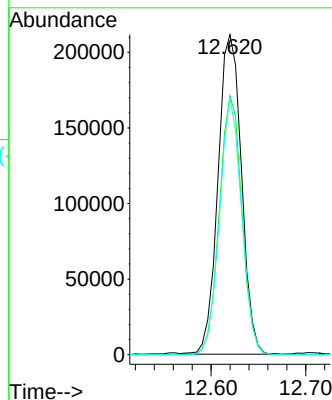
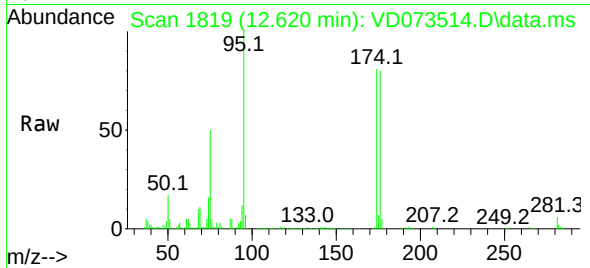




#62
4-Bromofluorobenzene
Concen: 64.319 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

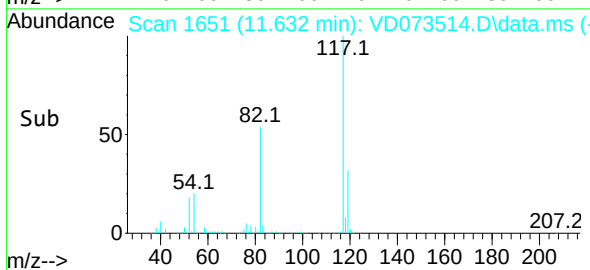
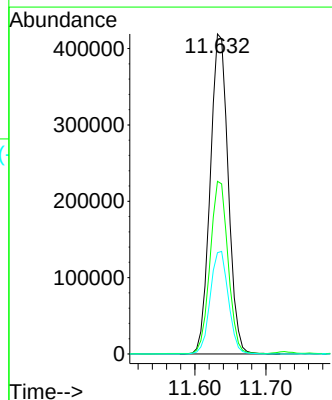
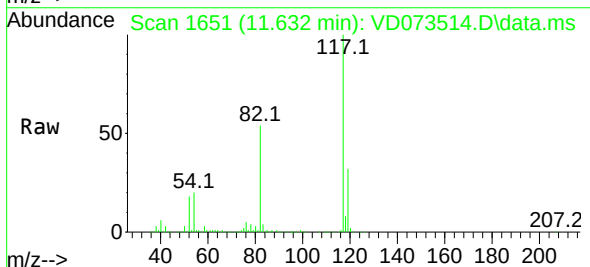
Instrument :
MSVOA_D
ClientSampleId :

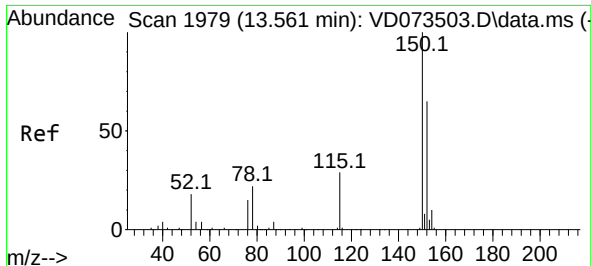
Tgt Ion: 95 Resp: 363318
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.8
176 75.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion: 117 Resp: 736034
Ion Ratio Lower Upper
117 100
82 53.8 45.3 67.9
119 31.7 26.6 40.0

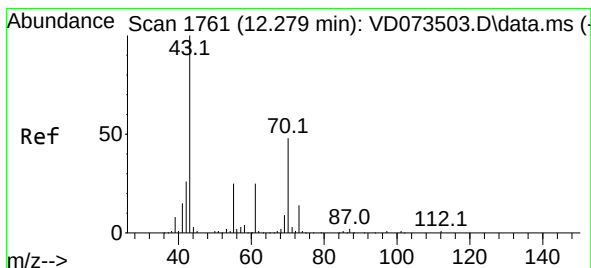
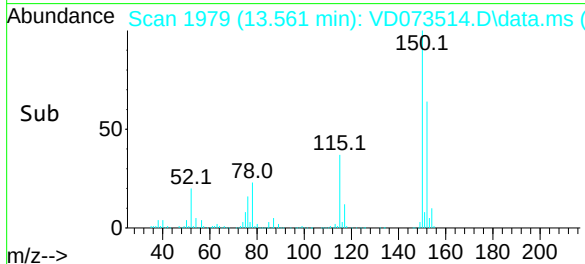
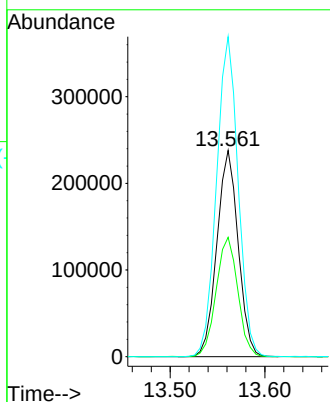
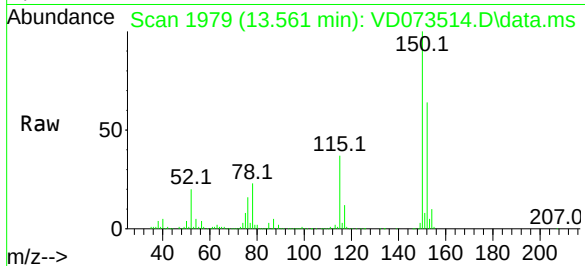




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

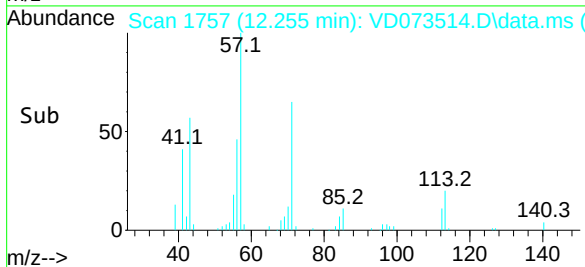
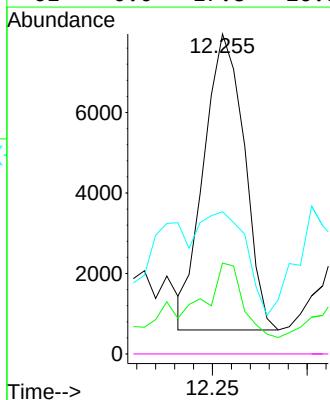
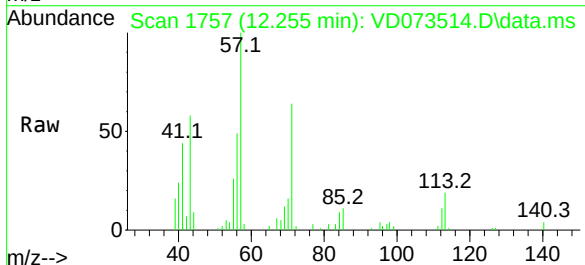
Instrument :
MSVOA_D
ClientSampleId :

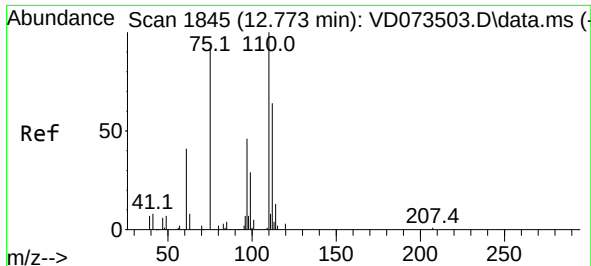
Tgt Ion:152 Resp: 371876
Ion Ratio Lower Upper
152 100
115 59.0 31.3 93.8
150 157.4 0.0 348.6



#74
N-ethyl acetate
Concen: 1.900 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

Tgt Ion: 43 Resp: 10897
Ion Ratio Lower Upper
43 100
70 33.3 31.3 46.9
55 40.2 20.0 30.0#
61 0.0 17.8 26.8#

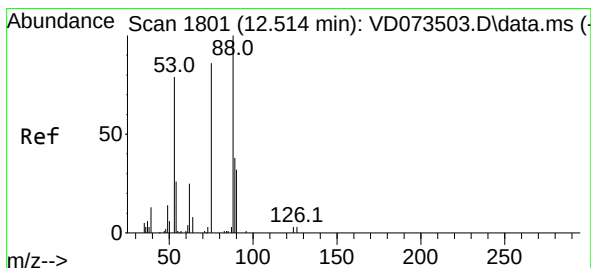
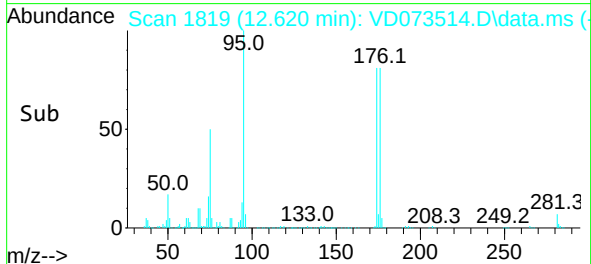
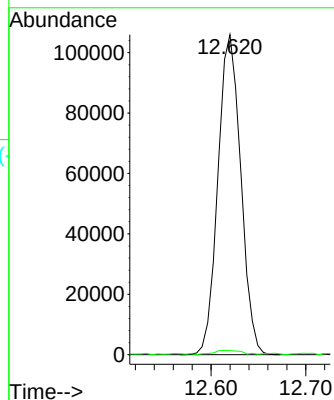
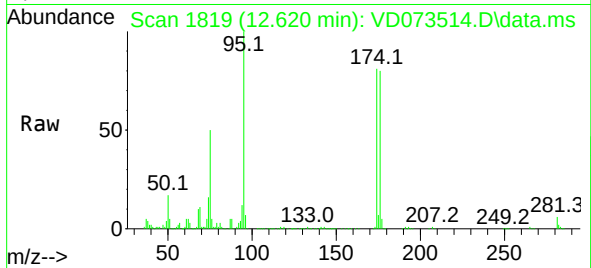




#76
1,2,3-Trichloropropane
Concen: 49.179 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

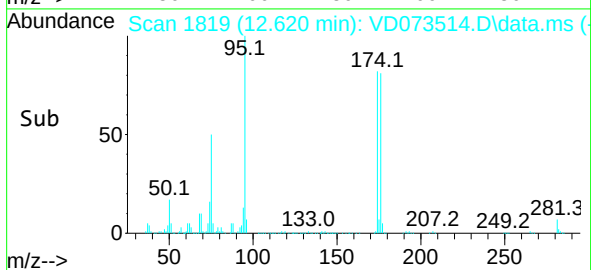
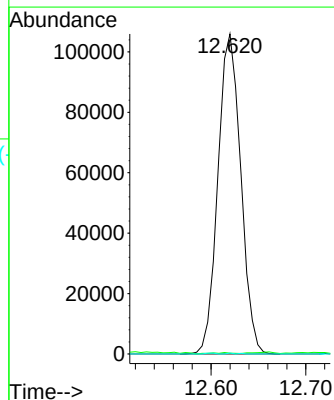
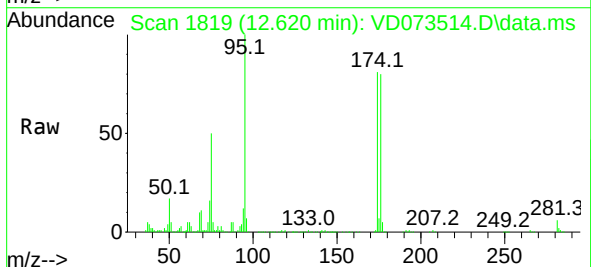
Instrument :
MSVOA_D
ClientSampleId :

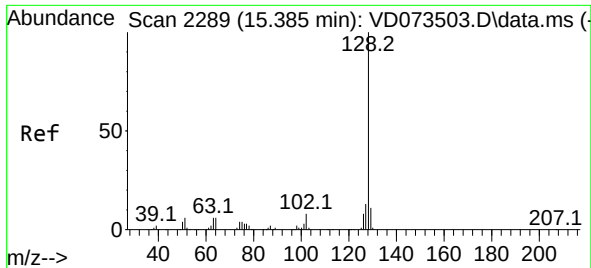
Tgt Ion: 75 Resp: 177664
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.430 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073514.D
Acq: 09 Jun 2022 18:17

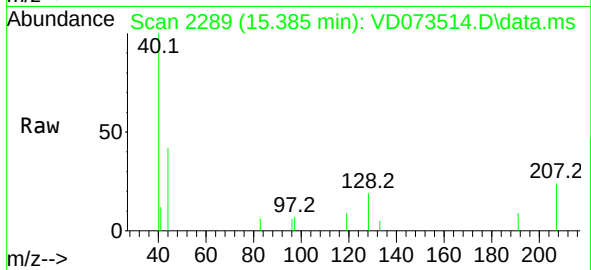
Tgt Ion: 75 Resp: 177664
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.1 33.9 50.9#





#95
 Naphthalene
 Concen: 4.245 ug/l
 RT: 15.385 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD073514.D
 Acq: 09 Jun 2022 18:17

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	601
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

