

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077911.D
 Acq On : 15 Dec 2023 18:39
 Operator : RP/MD
 Sample : BLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:05:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.869	168	2533	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	8003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	17216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	12067	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	22169	742.736	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 1485.480%#	
35) Dibromofluoromethane	7.816	113	7487	133.558	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 267.120%#	
50) Toluene-d8	10.269	98	11429	50.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.575	95	10992	163.752	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 327.500%#	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.158	85	67	2.117	ug/l #	43
3) Chloromethane	2.146	50	60	1.391	ug/l #	41
5) Bromomethane	2.699	94	187	5.692	ug/l #	36
6) Chloroethane	2.775	64	190	4.760	ug/l #	43
8) Diethyl Ether	3.387	74	56	3.698	ug/l #	12
11) Tert butyl alcohol	5.075	59	108	66.882	ug/l #	73
12) 1,1-Dichloroethene	3.999	96	55	1.806	ug/l #	1
13) Acrolein	3.805	56	75	23.754	ug/l #	15
14) Allyl chloride	4.564	41	66	1.576	ug/l #	1
15) Acrylonitrile	5.146	53	67	10.334	ug/l #	18
16) Acetone	4.028	43	467	46.742	ug/l #	82
18) Methyl Acetate	4.616	43	115	4.892	ug/l #	42
19) Methyl tert-butyl Ether	5.316	73	69	1.068	ug/l #	55
20) Methylene Chloride	4.799	84	2024	58.038	ug/l	92
23) Vinyl Acetate	6.169	43	67	1.568	ug/l #	63
24) 1,1-Dichloroethane	6.034	63	100	1.687	ug/l #	78
25) 2-Butanone	7.075	43	1100	126.661	ug/l #	37
26) 2,2-Dichloropropane	7.063	77	1085	21.807	ug/l #	49
28) Bromochloromethane	7.434	49	89	3.717	ug/l #	1
29) Tetrahydrofuran	7.463	42	55	11.572	ug/l #	23
30) Chloroform	7.793	83	68	1.147	ug/l #	17
31) Cyclohexane	7.857	56	56	1.055	ug/l #	8
36) 1,1-Dichloropropene	7.893	75	95	1.059	ug/l #	39
37) Ethyl Acetate	7.158	43	141	4.033	ug/l #	46
41) Methacrylonitrile	7.428	41	77	4.333	ug/l #	1
43) Isopropyl Acetate	8.369	43	97	1.561	ug/l #	43
45) 1,2-Dichloropropane	9.252	63	68	1.099	ug/l #	44
46) Dibromomethane	9.422	93	56	1.711	ug/l #	2
48) Methyl methacrylate	9.410	41	479	13.558	ug/l #	18
51) 4-Methyl-2-Pentanone	10.163	43	272	8.575	ug/l #	63
53) t-1,3-Dichloropropene	10.651	75	279	3.502	ug/l #	43
55) 1,1,2-Trichloroethane	10.746	97	186	4.154	ug/l #	16
56) Ethyl methacrylate	10.581	69	177	4.484	ug/l #	36
57) 1,3-Dichloropropane	10.869	76	117	1.516	ug/l #	69
58) 2-Chloroethyl Vinyl ether	10.051	63	65	2.888	ug/l #	43
59) 2-Hexanone	10.940	43	452	17.176	ug/l #	48

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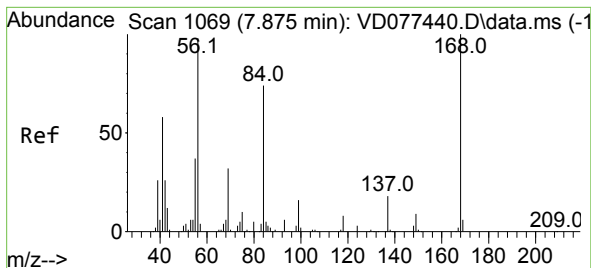
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) Dibromochloromethane	11.110	129	73	1.354	ug/l	71
61) 1,2-Dibromoethane	11.181	107	79	1.874	ug/l #	1
65) Chlorobenzene	11.610	112	593	Below Cal	#	43
66) 1,1,1,2-Tetrachloroethane	11.746	131	169	1.180	ug/l #	27
71) Bromoform	12.287	173	235	3.142	ug/l #	28
74) N-amyl acetate	12.228	43	825	4.589	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.893	83	1953	12.247	ug/l	80
76) 1,2,3-Trichloropropane	12.810	75	169	1.613	ug/l #	100
77) Bromobenzene	12.722	156	4377	20.347	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	5497	106.269	ug/l #	23
88) 1,4-Dichlorobenzene	13.451	146	272	Below Cal		74
92) 1,2-Dibromo-3-Chloropr...	14.410	75	54	1.384	ug/l #	1
95) Naphthalene	15.328	128	892	2.101	ug/l #	57

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD077911.D

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Instrument :

MSVOA_D

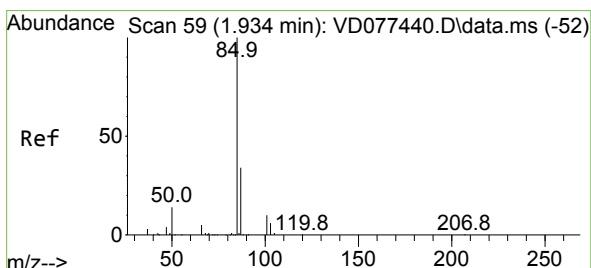
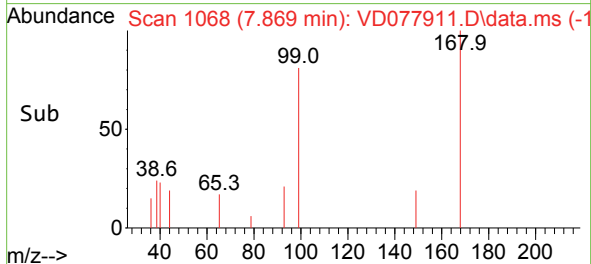
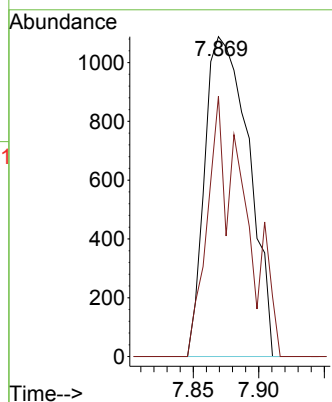
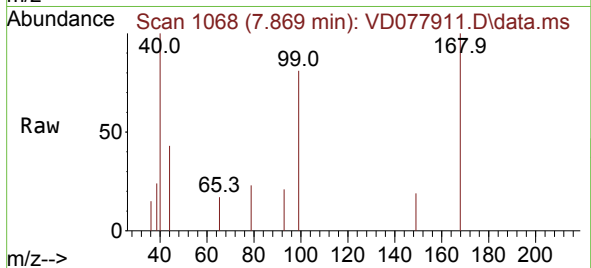
ClientSampleId :

Tgt Ion:168 Resp: 2533

Ion Ratio Lower Upper

168 100

99 81.3 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 2.117 ug/l

RT: 2.158 min Scan# 97

Delta R.T. 0.224 min

Lab File: VD077911.D

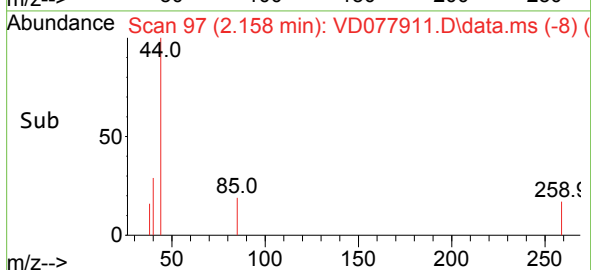
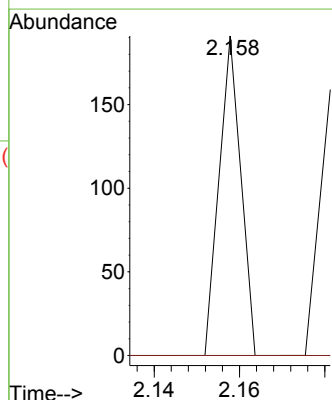
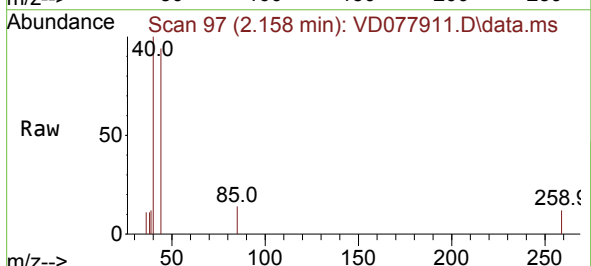
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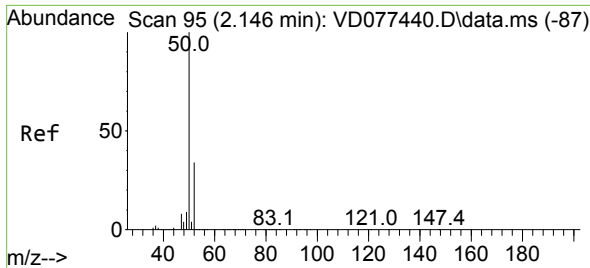
Tgt Ion: 85 Resp: 67

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#

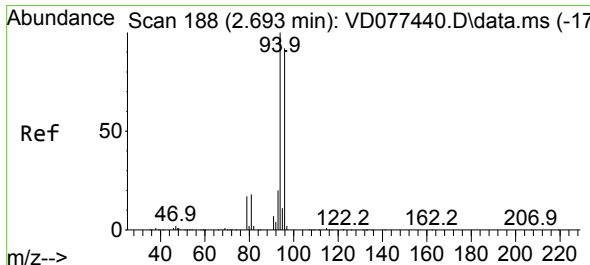
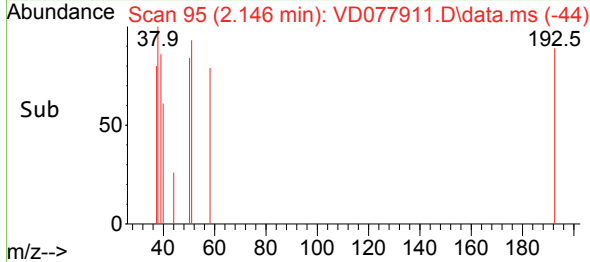
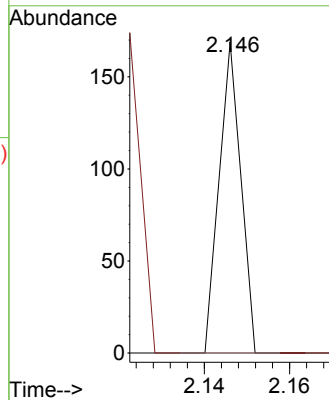
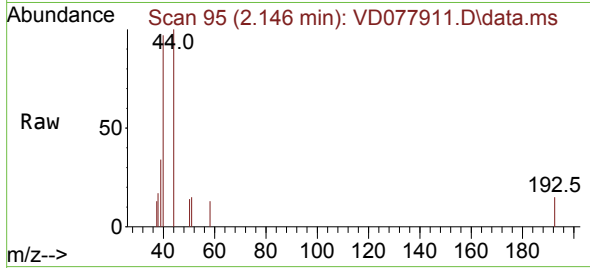




#3
Chloromethane
Concen: 1.391 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

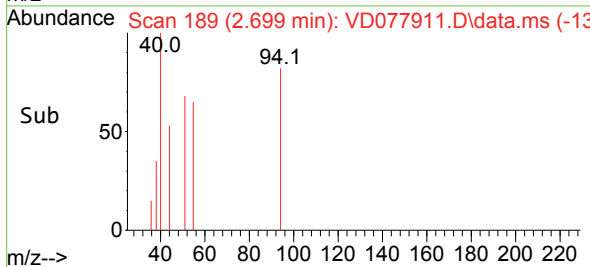
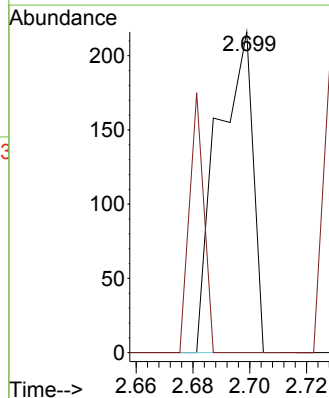
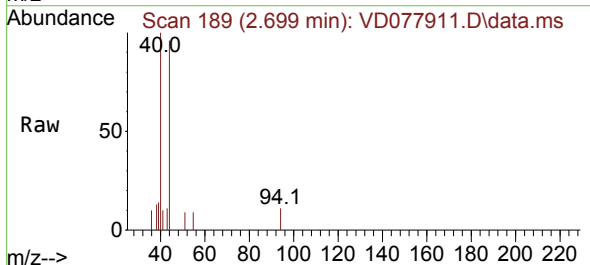
Instrument :
MSVOA_D
ClientSampleId :

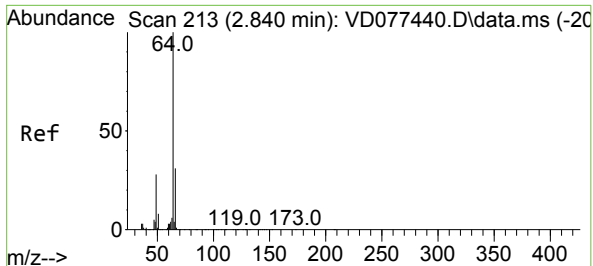
Tgt Ion: 50 Resp: 60
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



#5
Bromomethane
Concen: 5.692 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.006 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 94 Resp: 187
Ion Ratio Lower Upper
94 100
96 33.2 75.8 113.8#

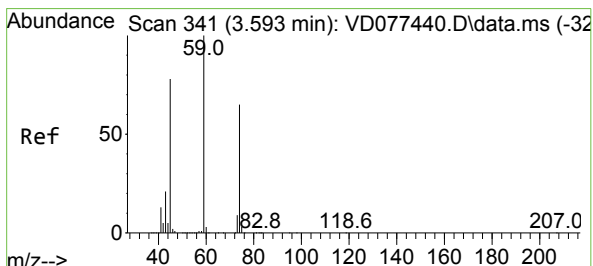
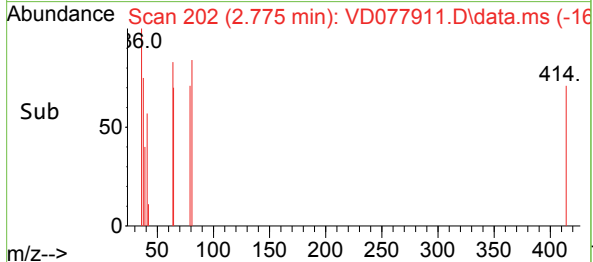
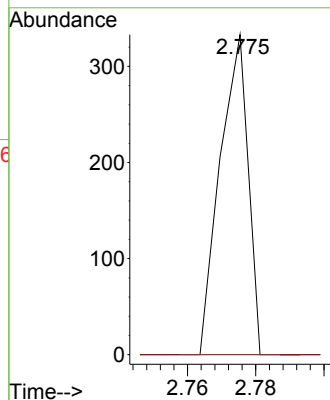
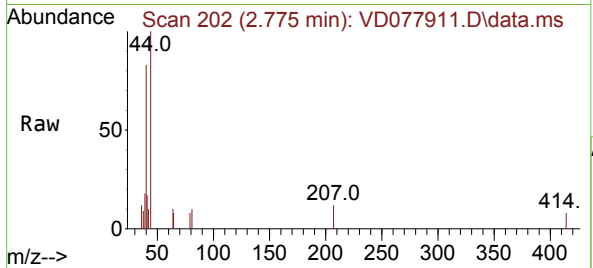




#6
Chloroethane
Concen: 4.760 ug/l
RT: 2.775 min Scan# 20
Delta R.T. -0.065 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

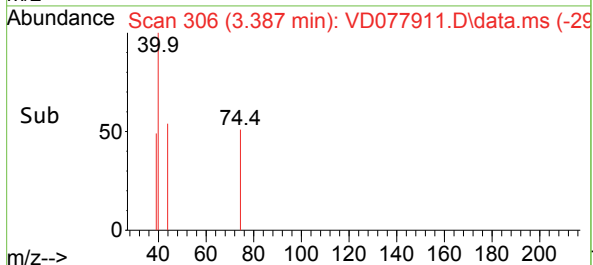
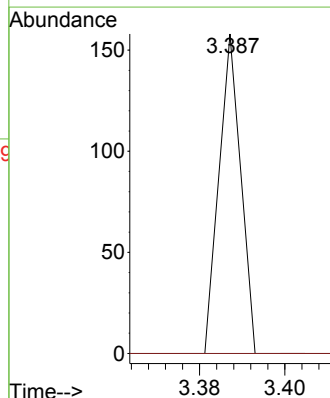
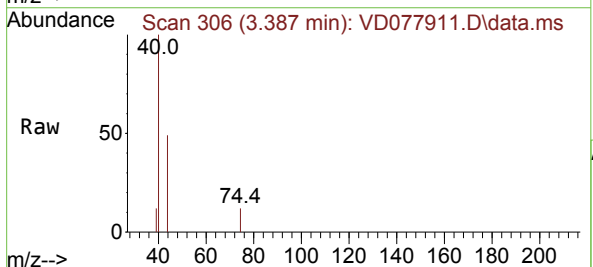
Instrument :
MSVOA_D
ClientSampleId :

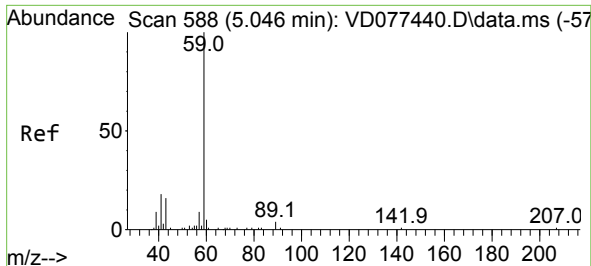
Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



#8
Diethyl Ether
Concen: 3.698 ug/l
RT: 3.387 min Scan# 306
Delta R.T. -0.206 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 74 Resp: 56
Ion Ratio Lower Upper
74 100
45 0.0 37.5 112.7#





#11

Tert butyl alcohol

Concen: 66.882 ug/l

RT: 5.075 min Scan# 593

Delta R.T. 0.029 min

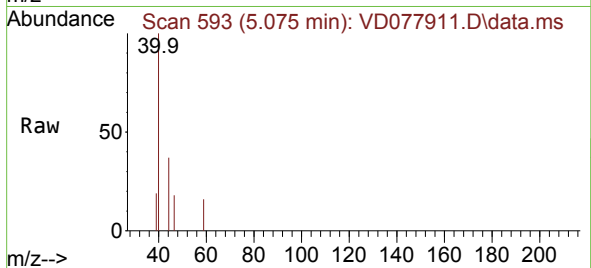
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Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :

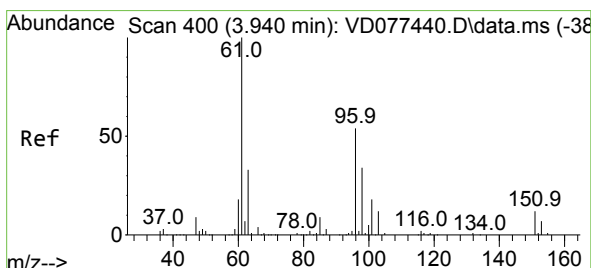
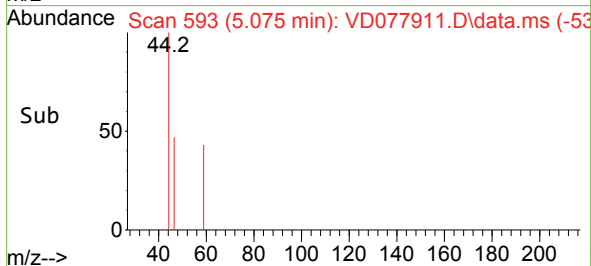
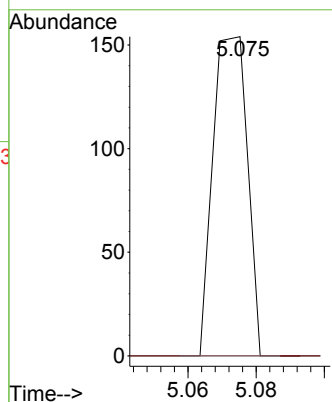


Tgt Ion: 59 Resp: 108

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 1.806 ug/l

RT: 3.999 min Scan# 410

Delta R.T. 0.059 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

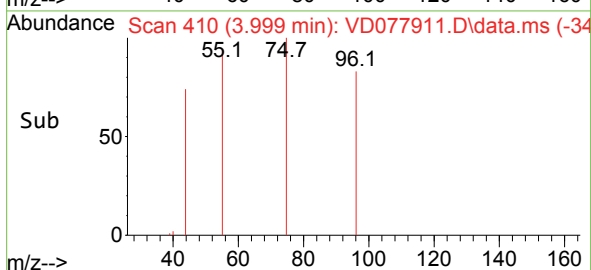
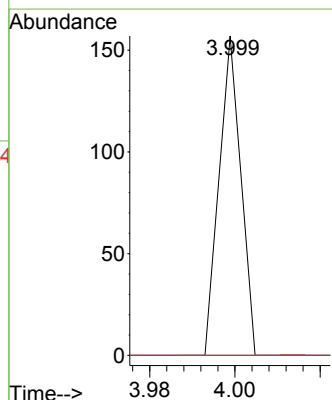
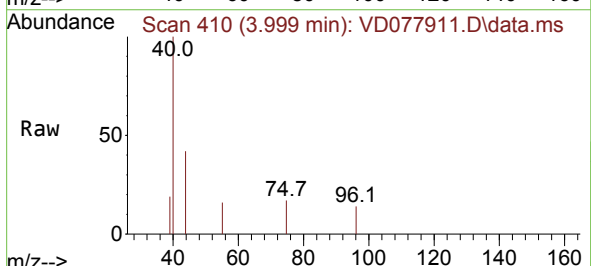
Tgt Ion: 96 Resp: 55

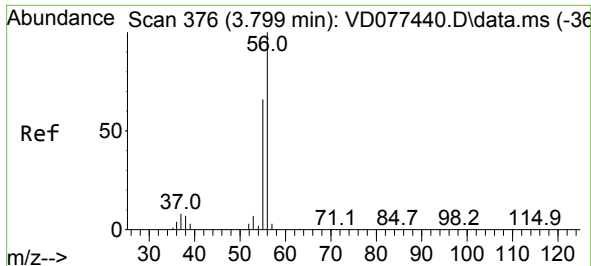
Ion Ratio Lower Upper

96 100

61 0.0 100.6 150.8#

98 0.0 50.2 75.2#

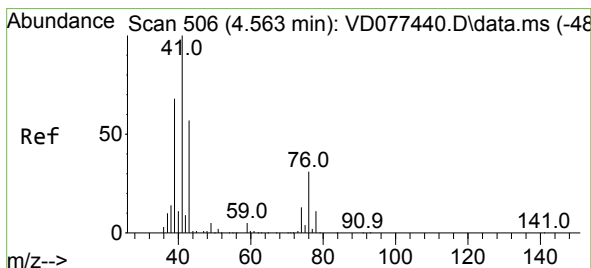
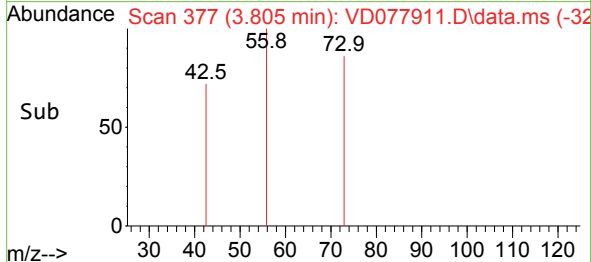
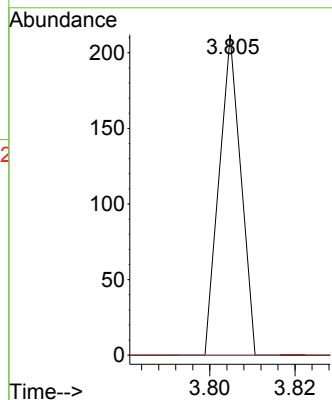
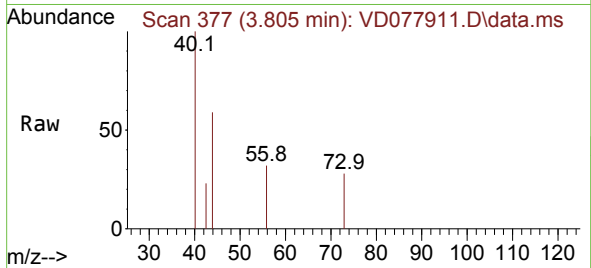




#13
Acrolein
Concen: 23.754 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

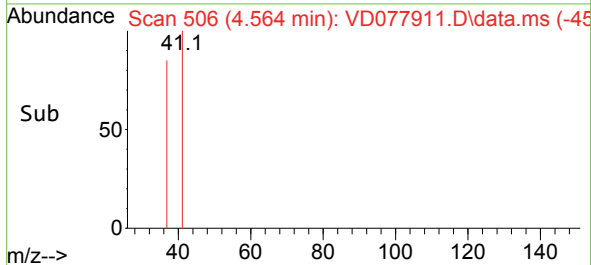
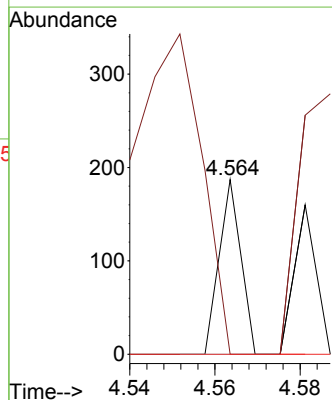
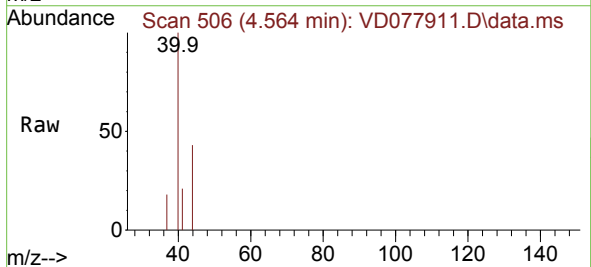
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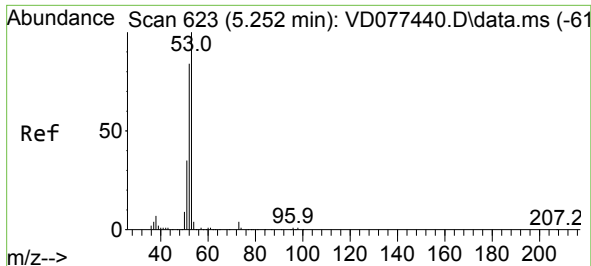
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#14
Allyl chloride
Concen: 1.576 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

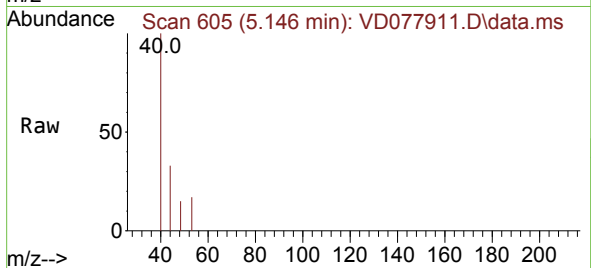
Tgt Ion: 41 Resp: 66
Ion Ratio Lower Upper
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39 559.1 53.8 80.6#
76 0.0 45.8 68.8#



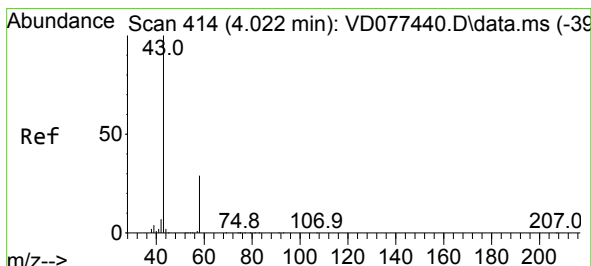
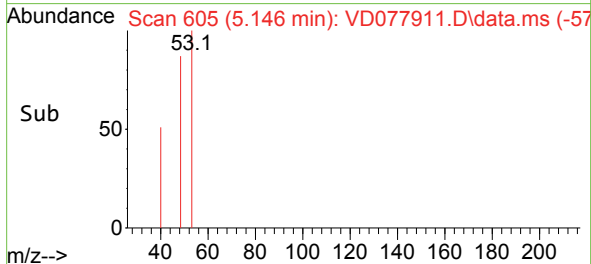
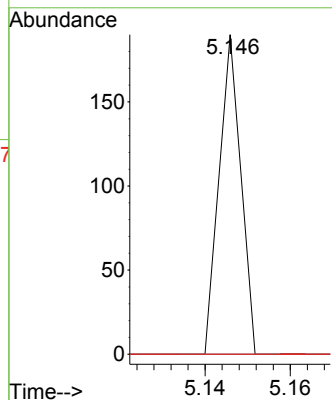


#15
Acrylonitrile
Concen: 10.334 ug/l
RT: 5.146 min Scan# 605
Delta R.T. -0.106 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Instrument :
MSVOA_D
ClientSampleId :

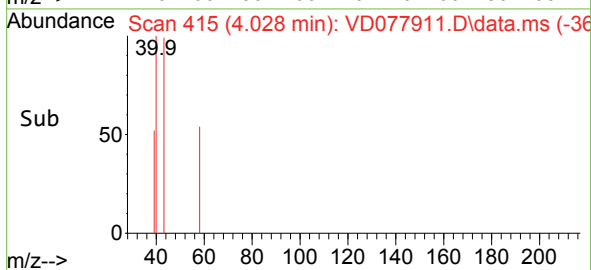
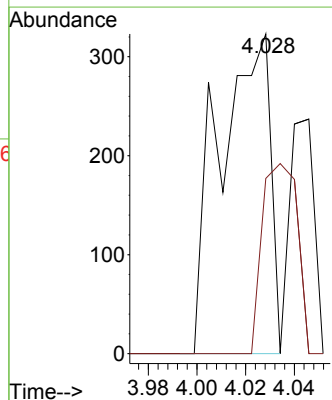
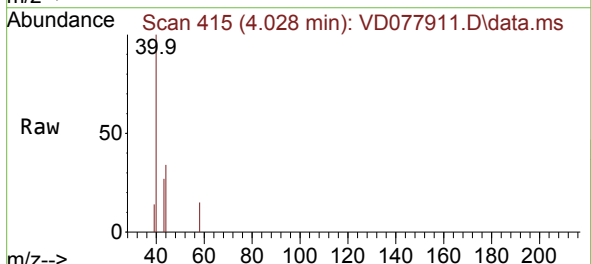


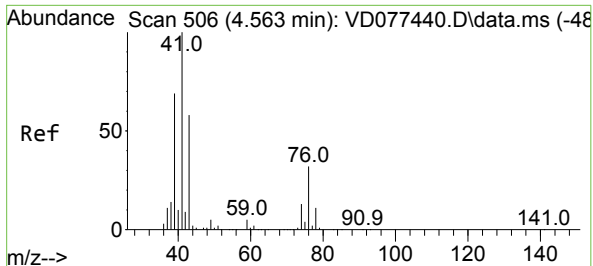
Tgt Ion: 53 Resp: 67
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 46.742 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
58 54.8 34.7 52.1#





#18

Methyl Acetate

Concen: 4.892 ug/l

RT: 4.616 min Scan# 515

Delta R.T. 0.053 min

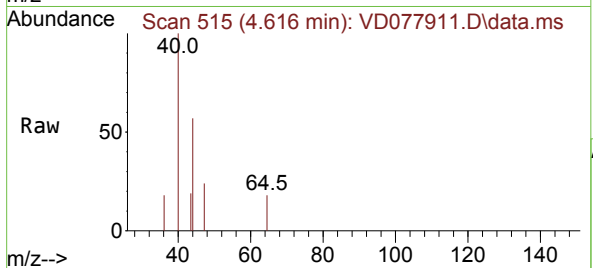
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Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :

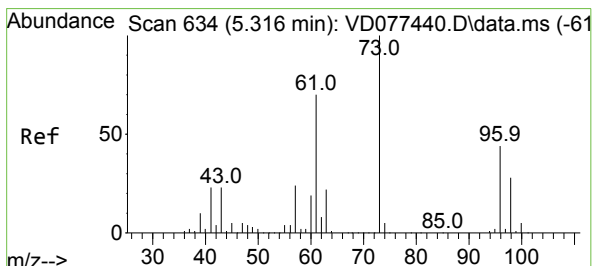
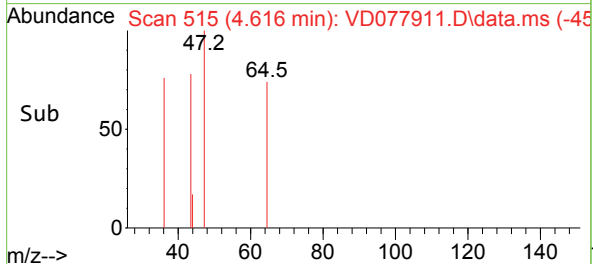
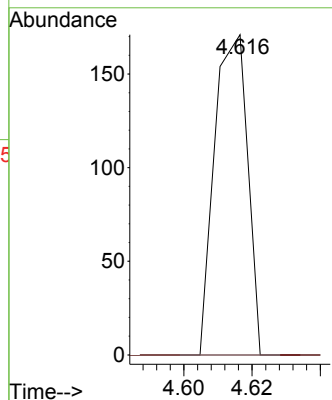


Tgt Ion: 43 Resp: 115

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#



#19

Methyl tert-butyl Ether

Concen: 1.068 ug/l

RT: 5.316 min Scan# 634

Delta R.T. 0.000 min

Lab File: VD077911.D

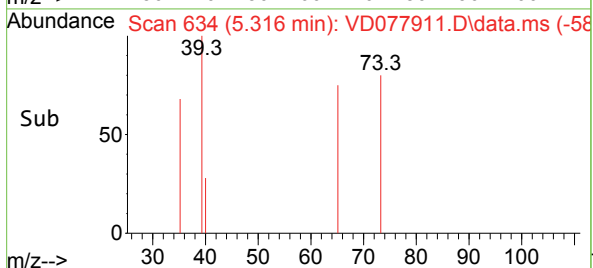
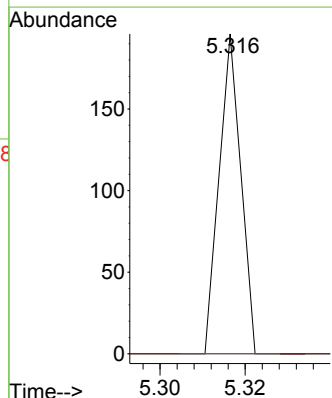
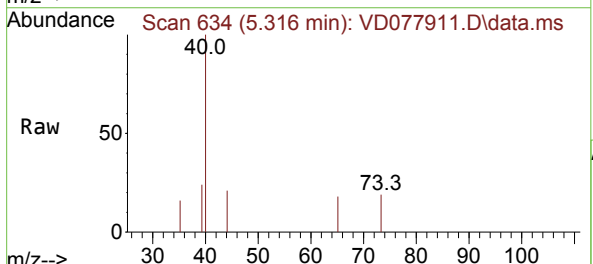
Acq: 15 Dec 2023 18:39

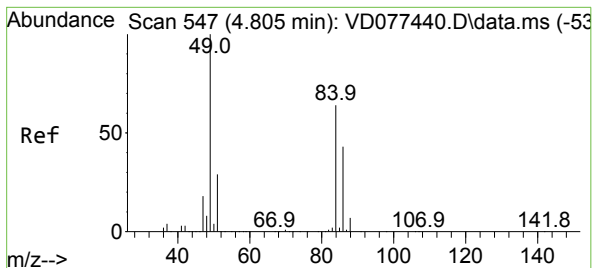
Tgt Ion: 73 Resp: 69

Ion Ratio Lower Upper

73 100

57 0.0 16.6 25.0#





#20

Methylene Chloride

Concen: 58.038 ug/l

RT: 4.799 min Scan# 547

Delta R.T. -0.006 min

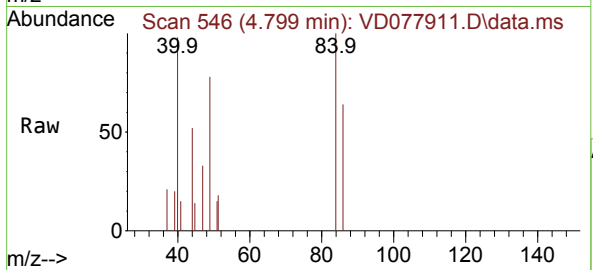
Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 2024

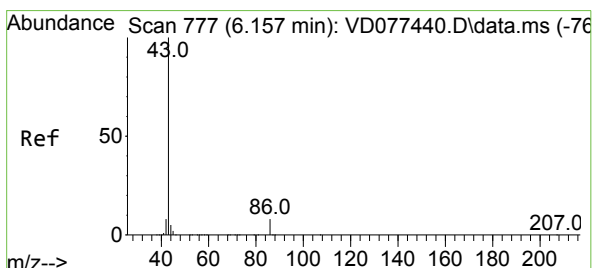
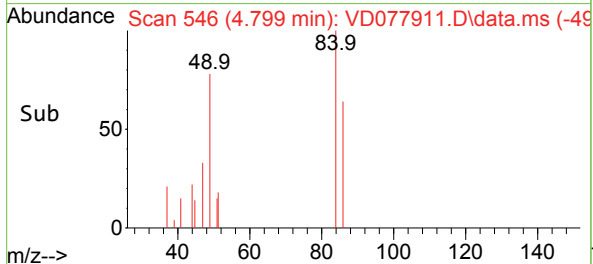
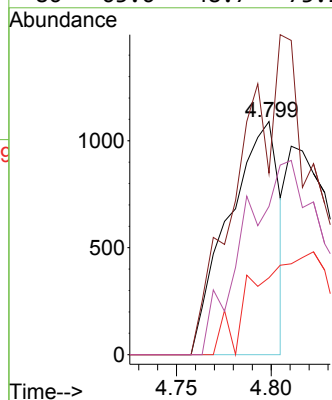
Ion Ratio Lower Upper

84 100

49 77.8 71.4 107.2

51 33.0 24.5 36.7

86 63.6 48.7 73.1



#23

Vinyl Acetate

Concen: 1.568 ug/l

RT: 6.169 min Scan# 779

Delta R.T. 0.012 min

Lab File: VD077911.D

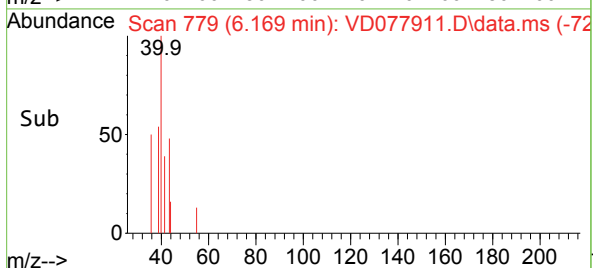
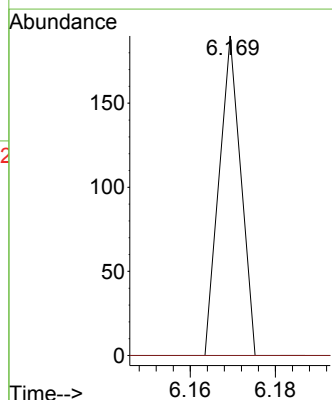
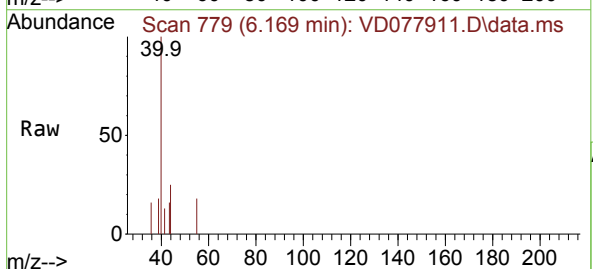
Acq: 15 Dec 2023 18:39

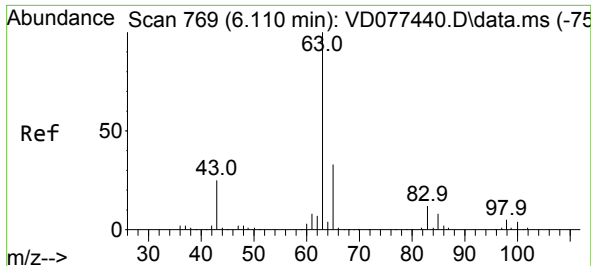
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

86 0.0 12.5 18.7#

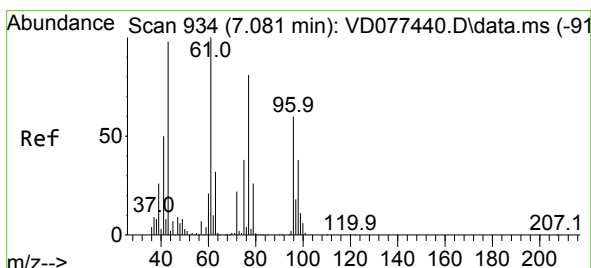
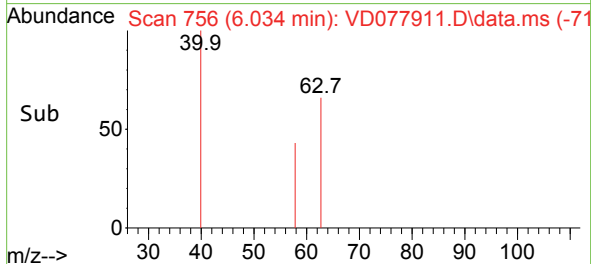
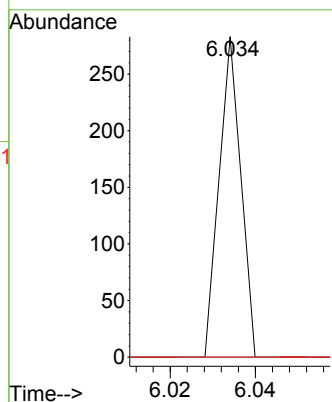
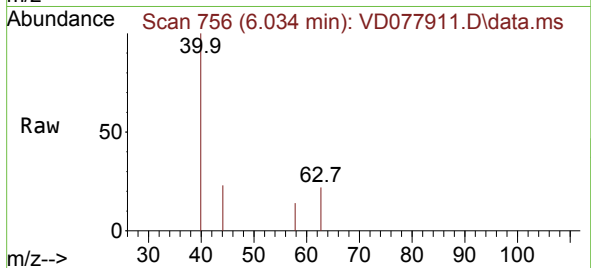




#24
1,1-Dichloroethane
Concen: 1.687 ug/l
RT: 6.034 min Scan# 71
Delta R.T. -0.076 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

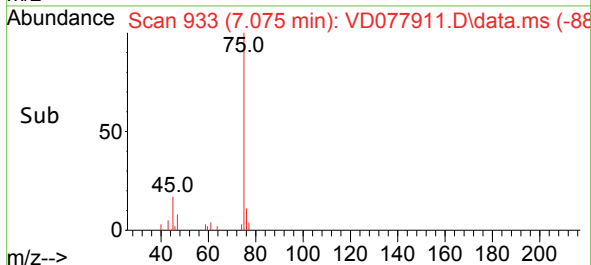
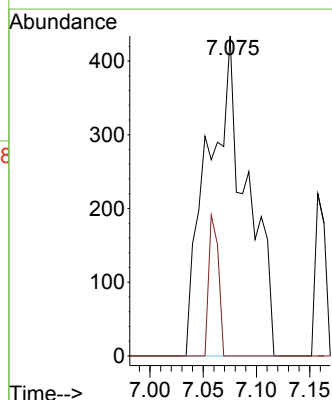
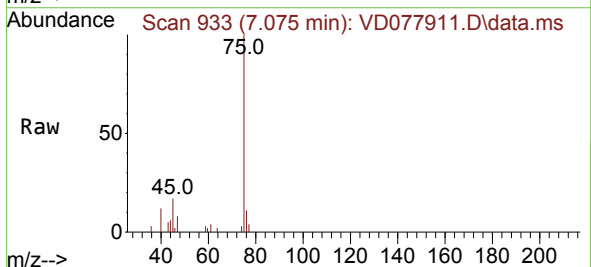
Instrument :
MSVOA_D
ClientSampleId :

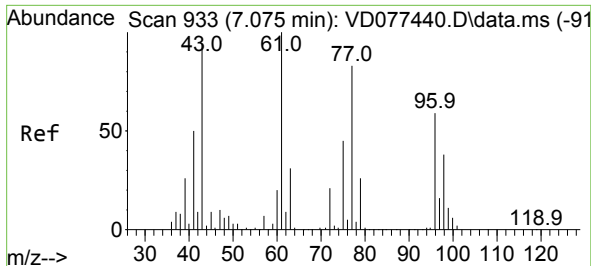
Tgt Ion: 63 Resp: 100
Ion Ratio Lower Upper
63 100
98 0.0 4.5 13.7#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 126.661 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

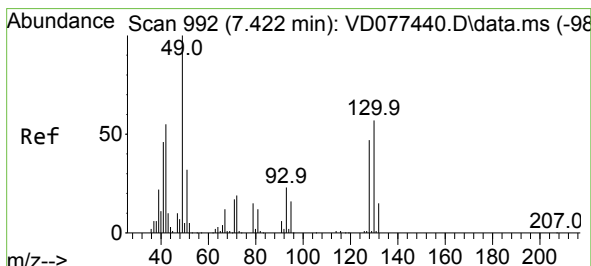
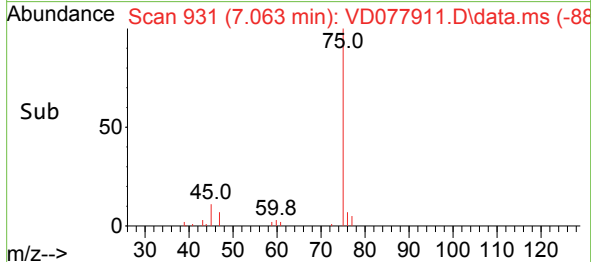
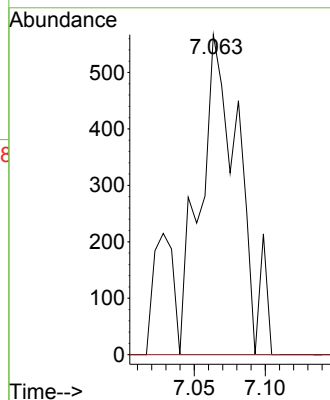
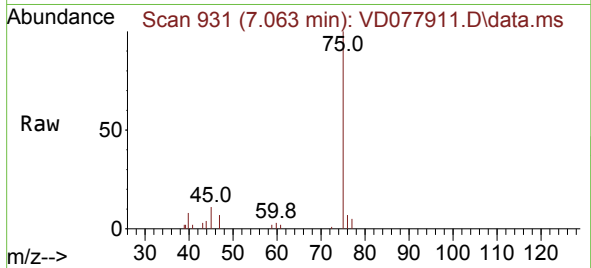




#26
2,2-Dichloropropane
Concen: 21.807 ug/l
RT: 7.063 min Scan# 911
Delta R.T. -0.012 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

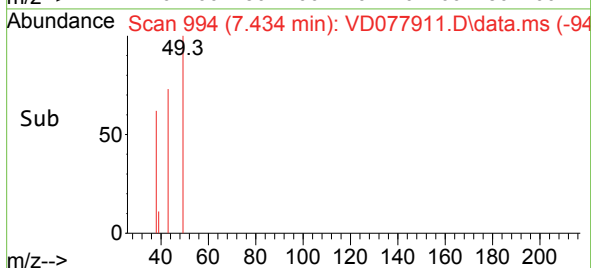
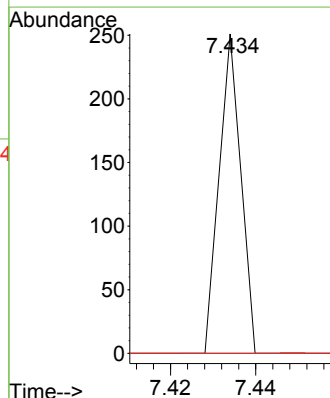
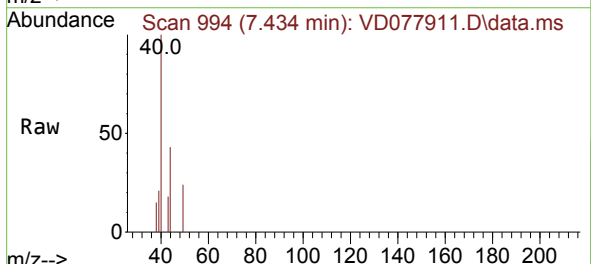
Instrument :
MSVOA_D
ClientSampleId :

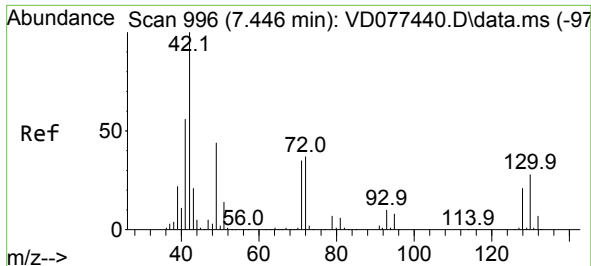
Tgt Ion: 77 Resp: 1085
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: 3.717 ug/l
RT: 7.434 min Scan# 994
Delta R.T. 0.012 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 49 Resp: 89
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 11.572 ug/l

RT: 7.463 min Scan# 99

Delta R.T. 0.017 min

Lab File: VD077911.D

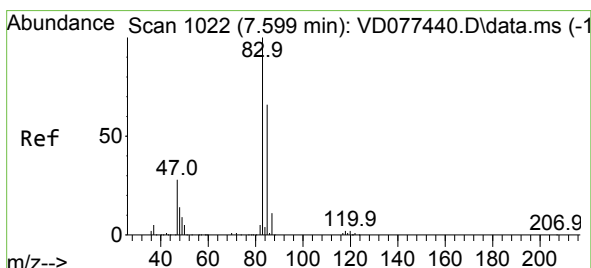
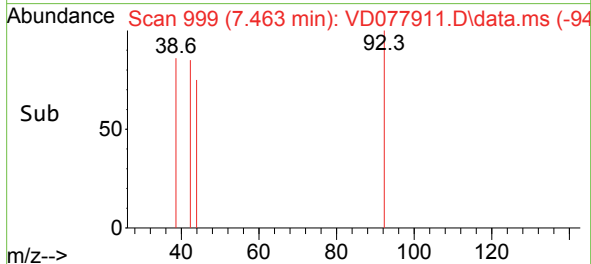
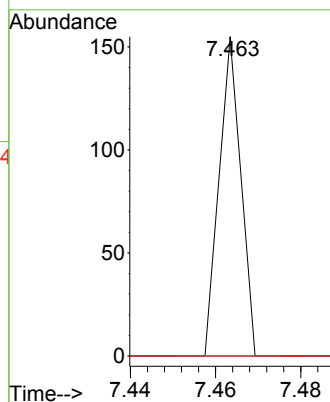
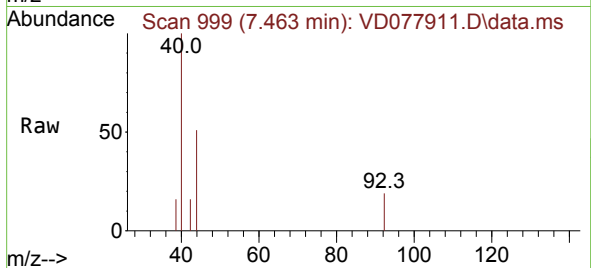
Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 42	Resp: 55
Ion Ratio	Lower Upper
42	100
72	0.0 46.5 69.7#
71	0.0 44.5 66.7#



#30

Chloroform

Concen: 1.147 ug/l

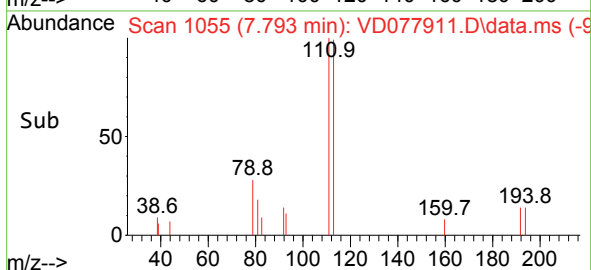
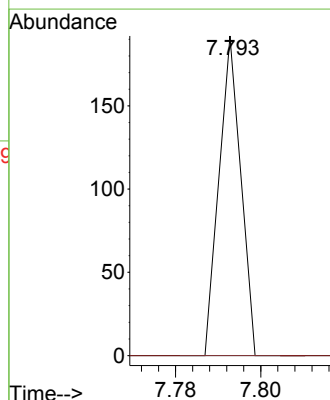
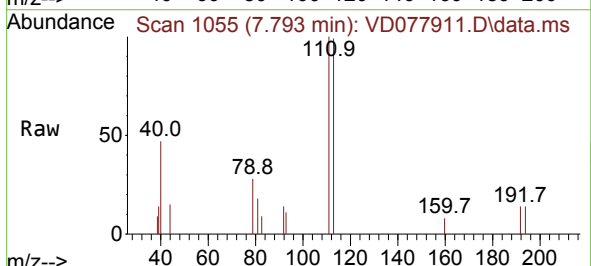
RT: 7.793 min Scan# 1055

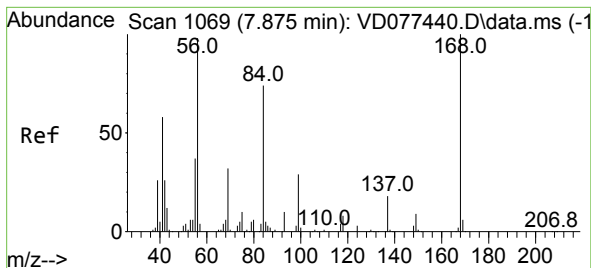
Delta R.T. 0.194 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

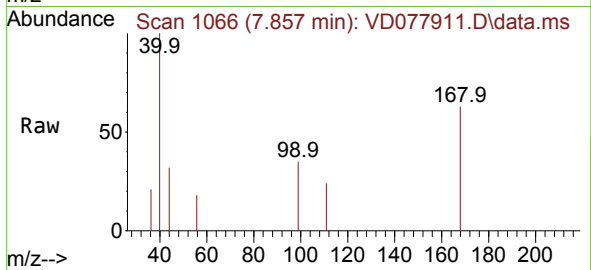
Tgt Ion: 83	Resp: 68
Ion Ratio	Lower Upper
83	100
85	0.0 53.4 80.2#



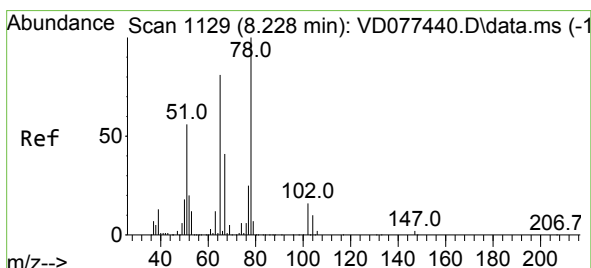
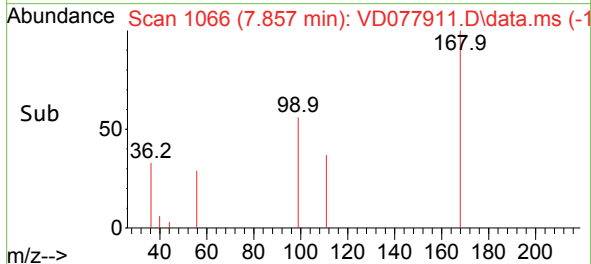
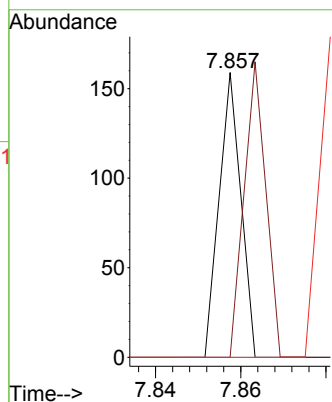


#31
Cyclohexane
Concen: 1.055 ug/l
RT: 7.857 min Scan# 1066
Delta R.T. -0.018 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Instrument :
MSVOA_D
ClientSampleId :

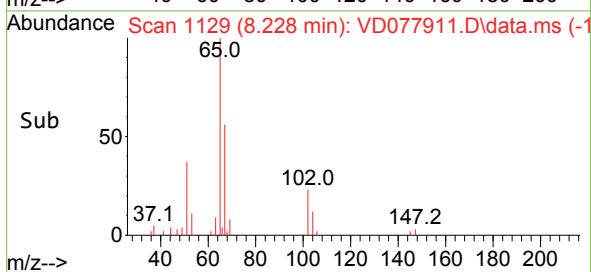
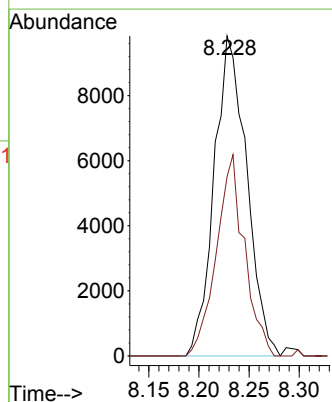
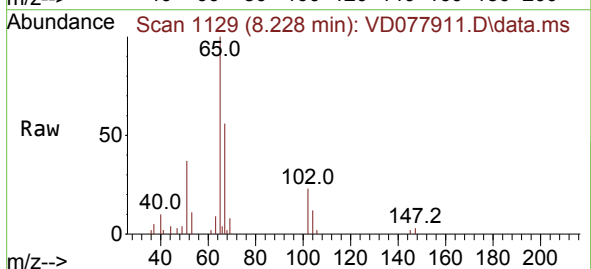


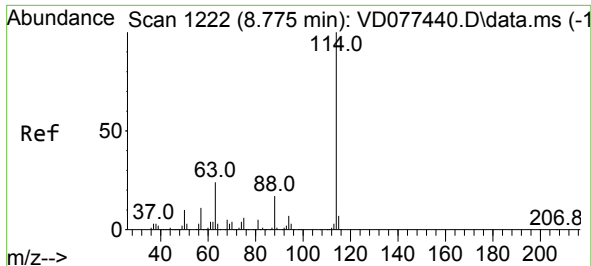
Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
69 0.0 28.6 43.0#
84 0.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 742.736 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 65 Resp: 22169
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0

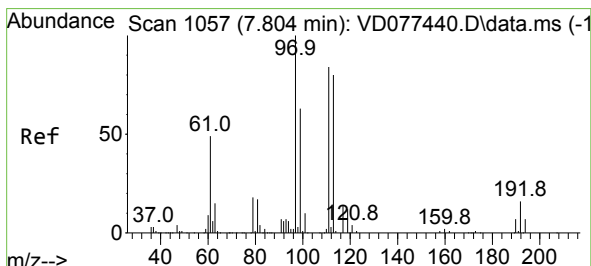
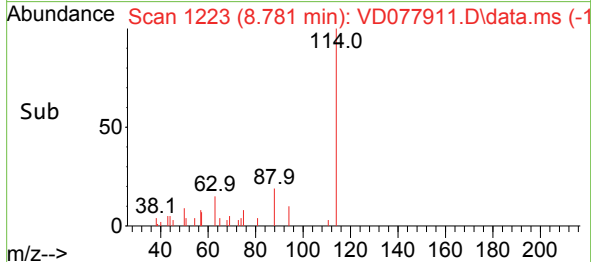
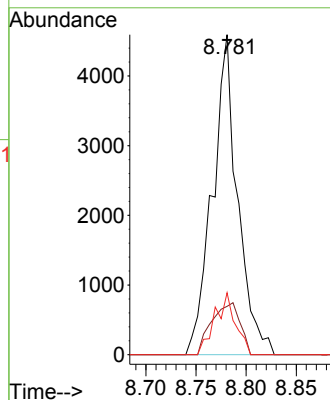
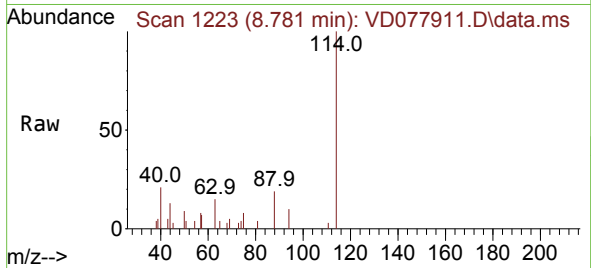




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

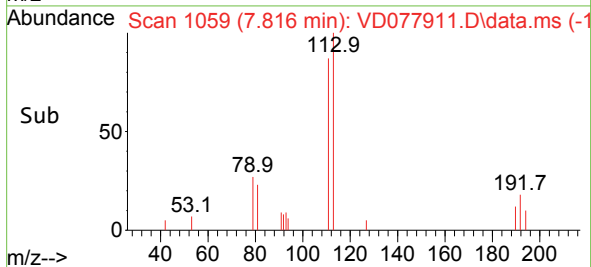
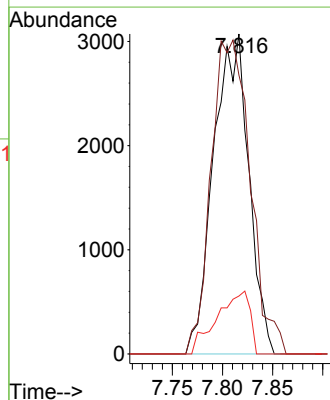
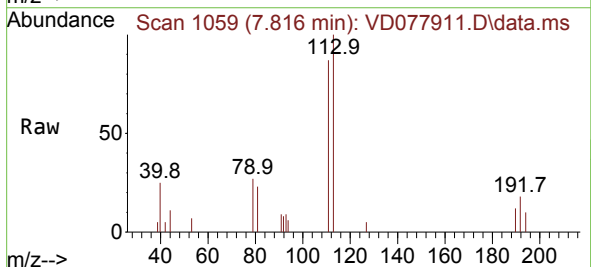
Instrument :
MSVOA_D
ClientSampleId :

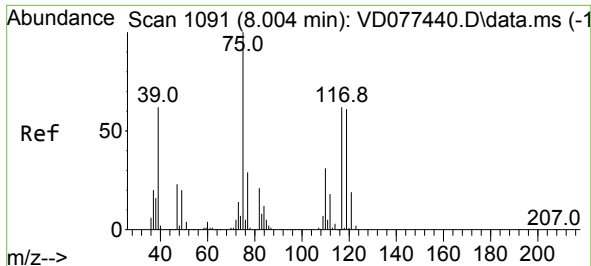
Tgt Ion:114 Resp: 8003
Ion Ratio Lower Upper
114 100
63 15.1 0.0 33.4
88 19.4 0.0 26.2



#35
Dibromofluoromethane
Concen: 133.558 ug/l
RT: 7.816 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

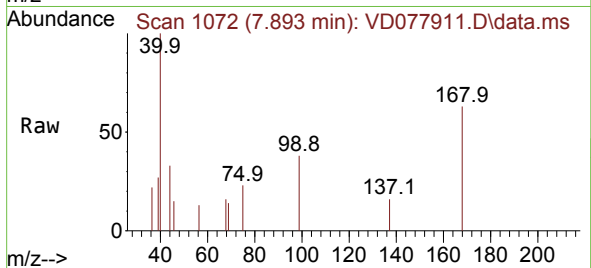
Tgt Ion:113 Resp: 7487
Ion Ratio Lower Upper
113 100
111 109.2 84.7 127.1
192 18.4 16.8 25.2



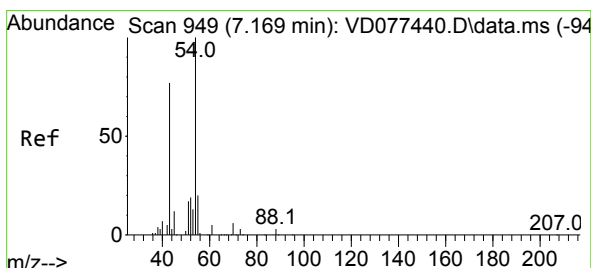
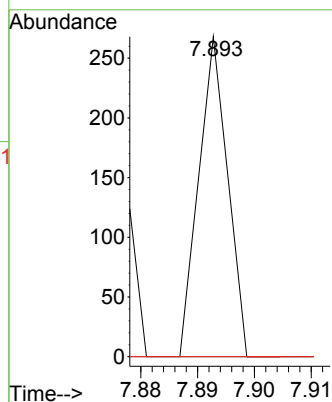
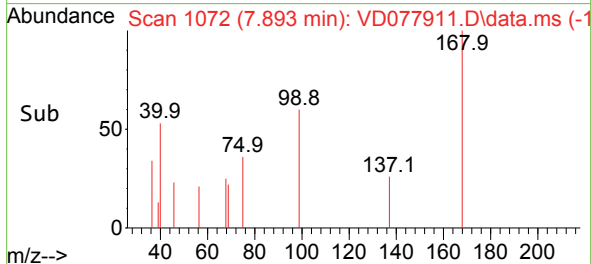


#36
1,1-Dichloropropene
Concen: 1.059 ug/l
RT: 7.893 min Scan# 1091
Delta R.T. -0.111 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Instrument :
MSVOA_D
ClientSampleId :

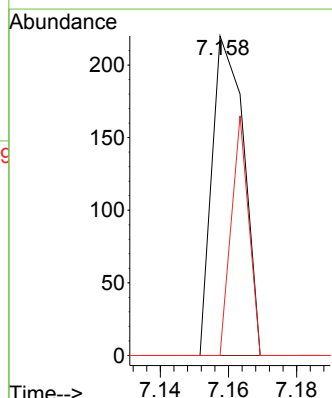
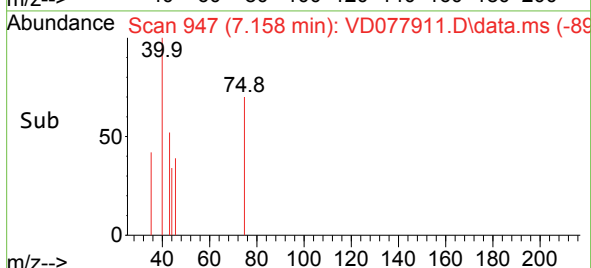
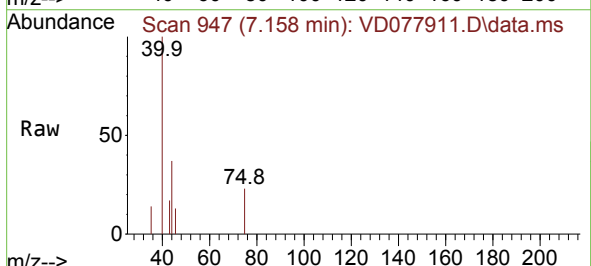


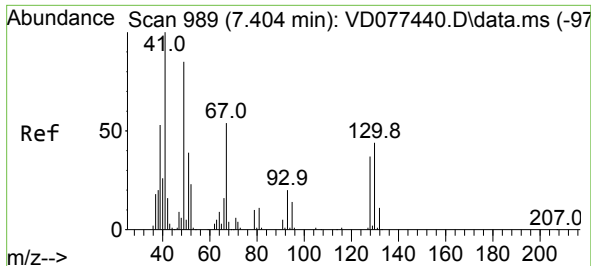
Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 4.033 ug/l
RT: 7.158 min Scan# 947
Delta R.T. -0.011 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

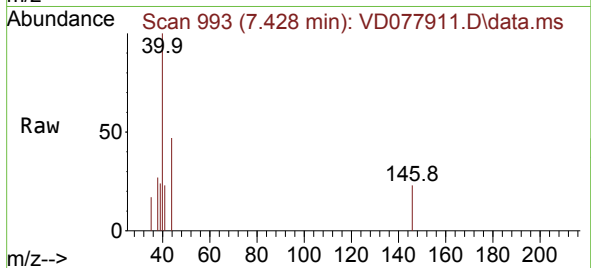
Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 41.1 10.0 15.0#



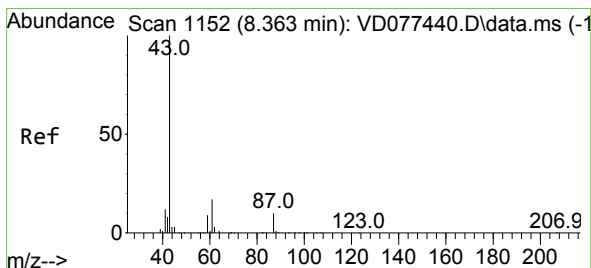
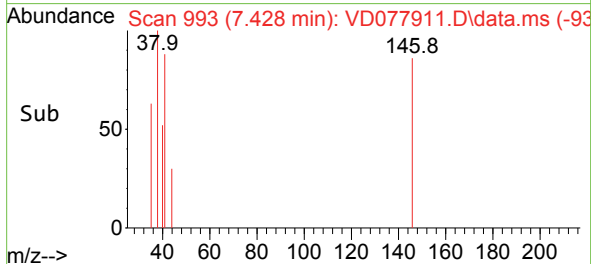
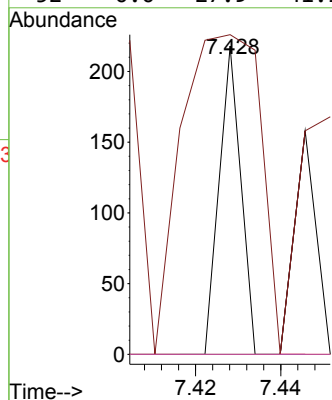


#41
Methacrylonitrile
Concen: 4.333 ug/l
RT: 7.428 min Scan# 993
Delta R.T. 0.024 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Instrument :
MSVOA_D
ClientSampleId :

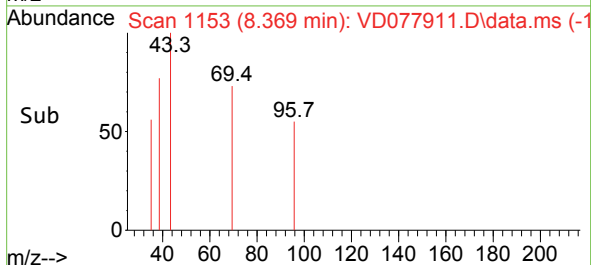
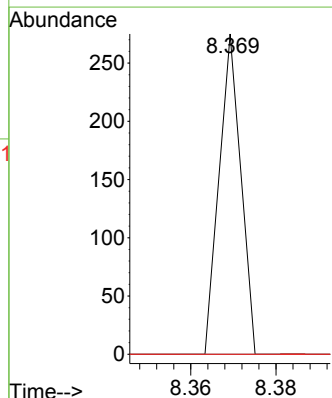
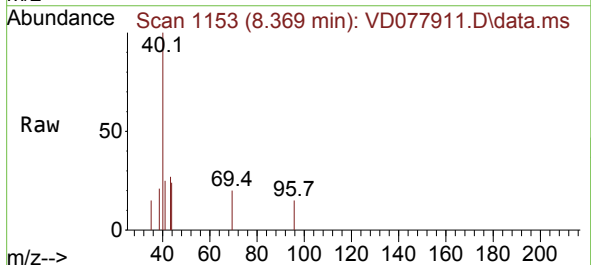


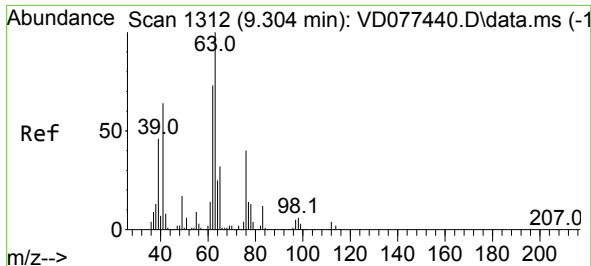
Tgt Ion:	41	Resp:	77
Ion	Ratio	Lower	Upper
41	100		
39	377.9	34.0	51.0#
67	0.0	77.0	115.4#
52	0.0	27.9	41.9#



#43
Isopropyl Acetate
Concen: 1.561 ug/l
RT: 8.369 min Scan# 1153
Delta R.T. 0.006 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion:	43	Resp:	97
Ion	Ratio	Lower	Upper
43	100		
61	0.0	31.4	47.0#
87	0.0	14.9	22.3#





#45

1,2-Dichloropropane

Concen: 1.099 ug/l

RT: 9.252 min Scan# 11

Delta R.T. -0.052 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

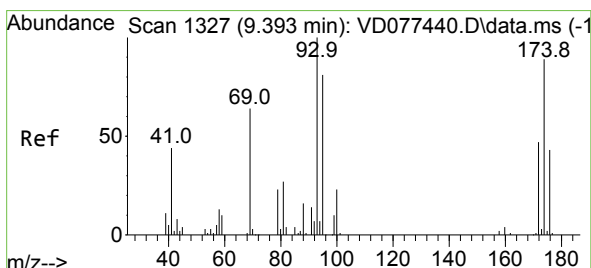
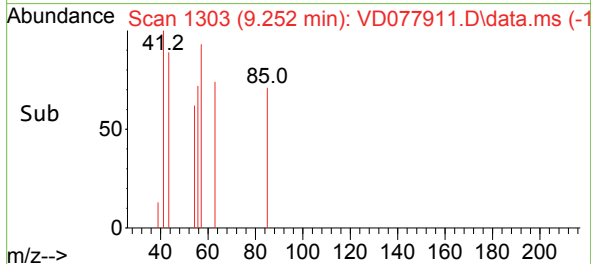
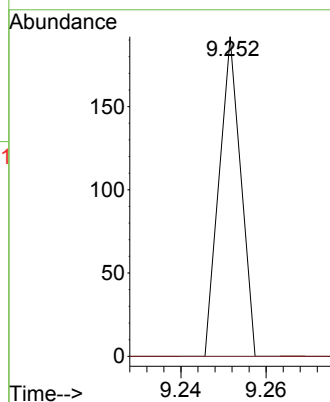
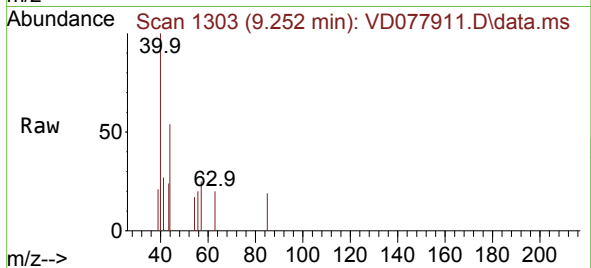
ClientSampleId :

Tgt Ion: 63 Resp: 68

Ion Ratio Lower Upper

63 100

65 0.0 24.5 36.7#



#46

Dibromomethane

Concen: 1.711 ug/l

RT: 9.422 min Scan# 1332

Delta R.T. 0.029 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

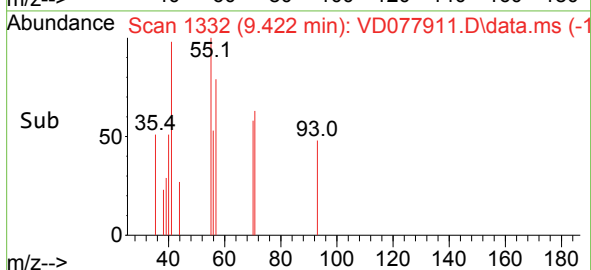
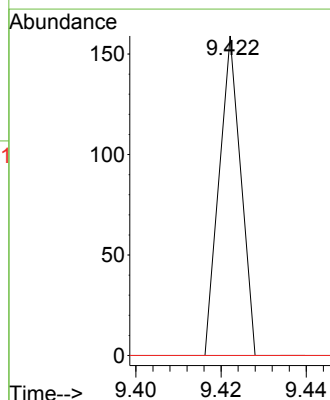
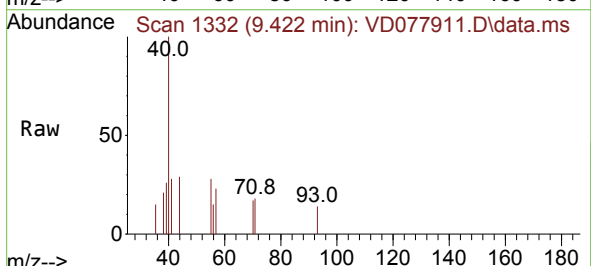
Tgt Ion: 93 Resp: 56

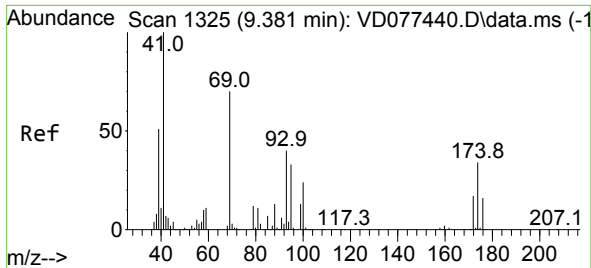
Ion Ratio Lower Upper

93 100

95 0.0 67.7 101.5#

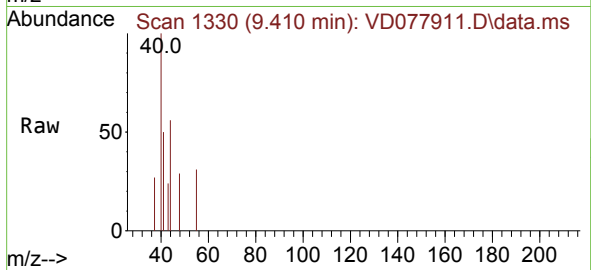
174 0.0 85.4 128.2#



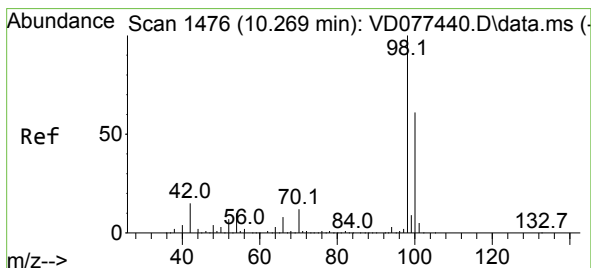
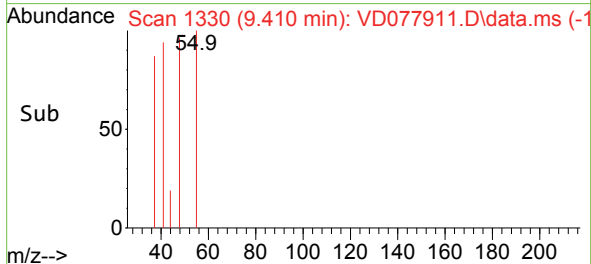
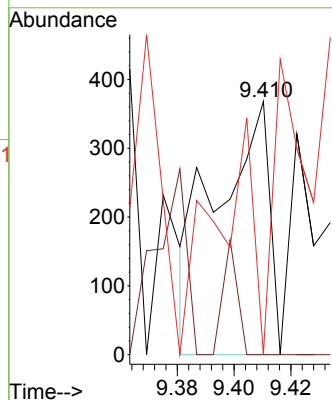


#48
Methyl methacrylate
Concen: 13.558 ug/l
RT: 9.410 min Scan# 11
Delta R.T. 0.029 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Instrument :
MSVOA_D
ClientSampleId :

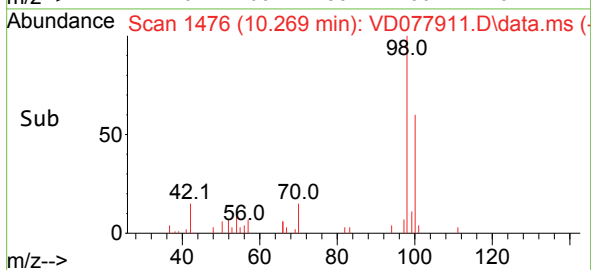
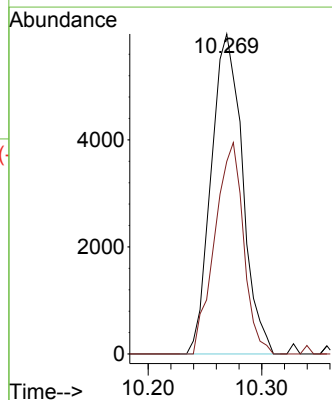
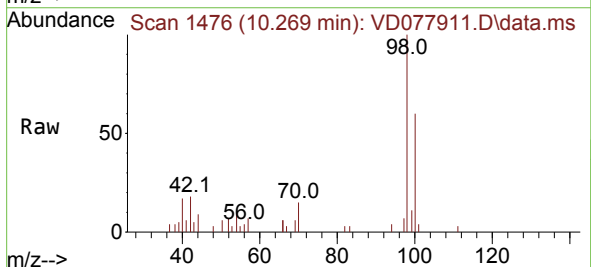


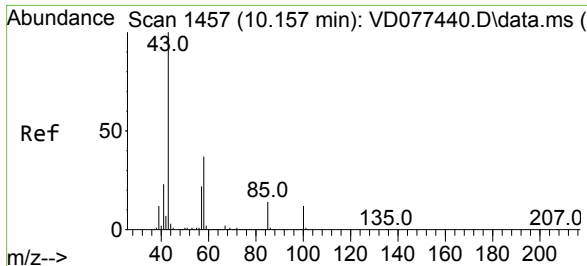
Tgt Ion: 41 Resp: 479
Ion Ratio Lower Upper
41 100
69 12.3 102.2 153.2#
39 25.3 41.4 62.2#



#50
Toluene-d8
Concen: 50.904 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 98 Resp: 11429
Ion Ratio Lower Upper
98 100
100 60.7 50.3 75.5

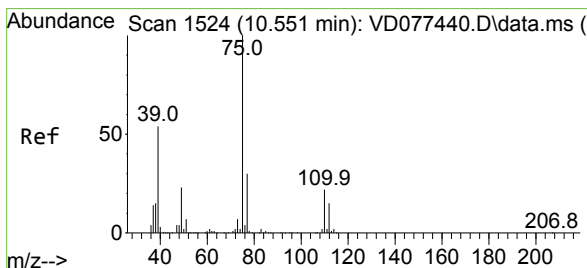
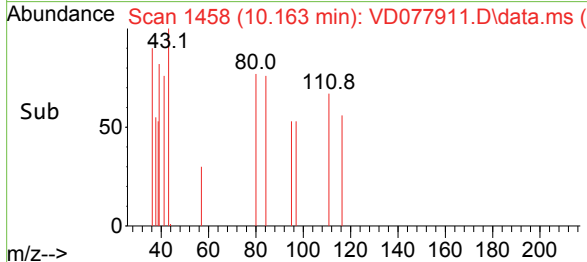
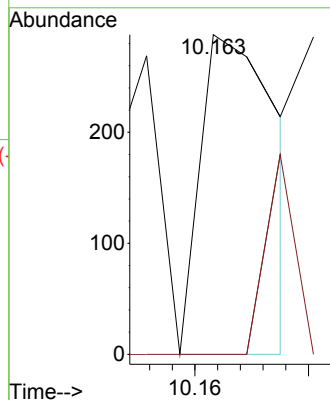
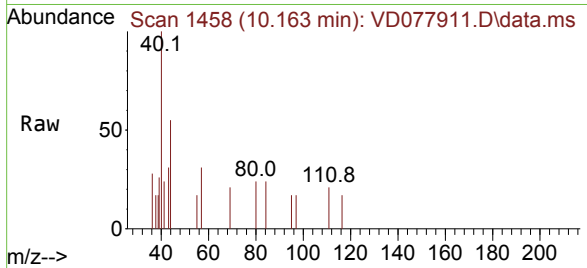




#51
4-Methyl-2-Pentanone
Concen: 8.575 ug/l
RT: 10.163 min Scan# 1457
Delta R.T. 0.006 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

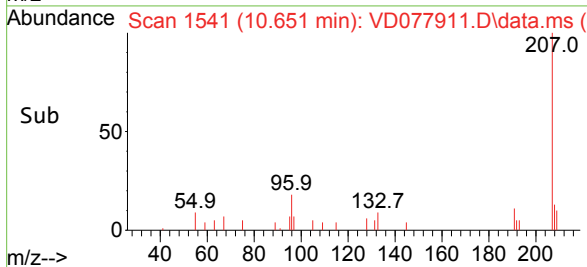
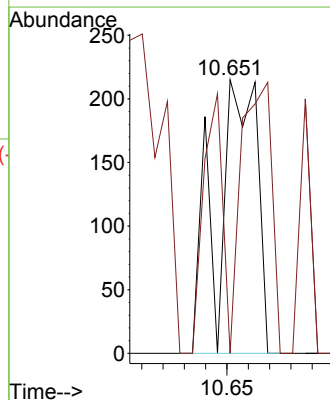
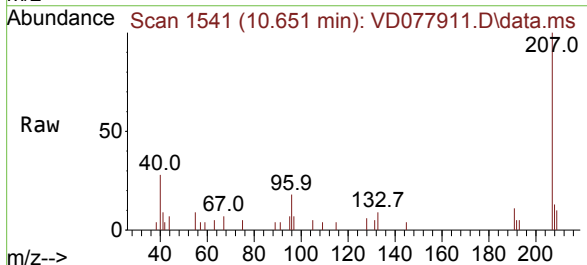
Instrument :
MSVOA_D
ClientSampleId :

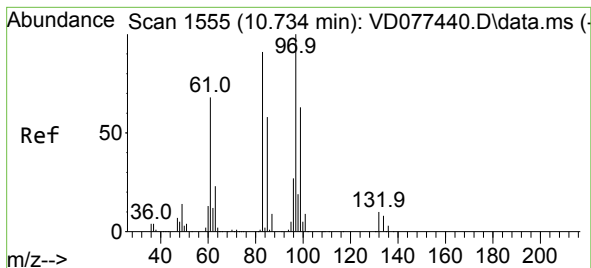
Tgt Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
58 23.5 38.9 58.3#



#53
t-1,3-Dichloropropene
Concen: 3.502 ug/l
RT: 10.651 min Scan# 1541
Delta R.T. 0.100 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 75 Resp: 279
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#





#55

1,1,2-Trichloroethane

Concen: 4.154 ug/l

RT: 10.746 min Scan# 1555

Delta R.T. 0.012 min

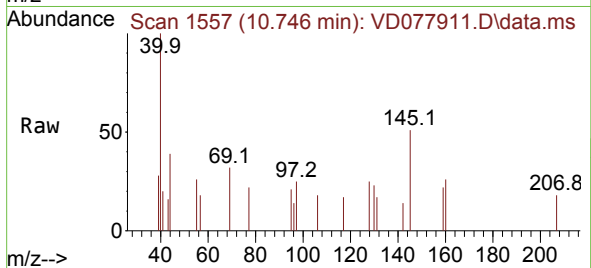
Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 186

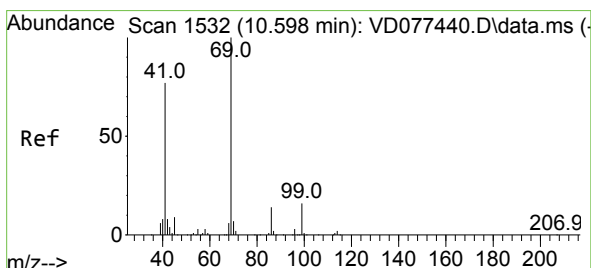
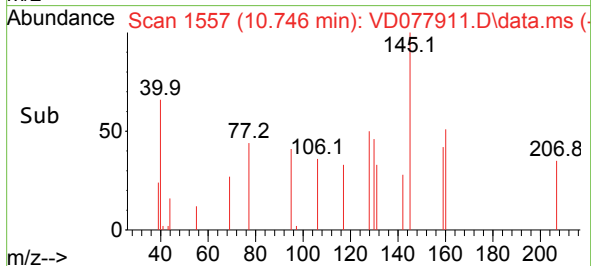
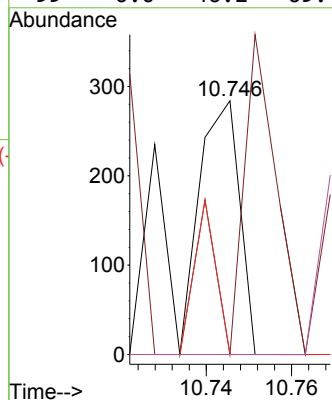
Ion Ratio Lower Upper

97 100

83 0.0 65.8 98.6#

85 0.0 45.7 68.5#

99 0.0 46.2 69.4#



#56

Ethyl methacrylate

Concen: 4.484 ug/l

RT: 10.581 min Scan# 1529

Delta R.T. -0.017 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

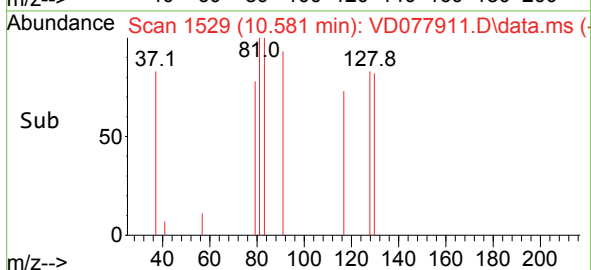
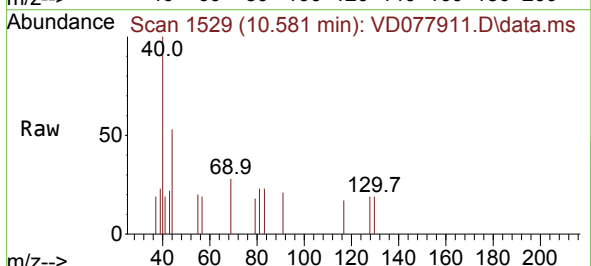
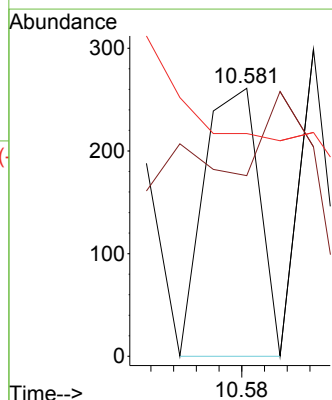
Tgt Ion: 69 Resp: 177

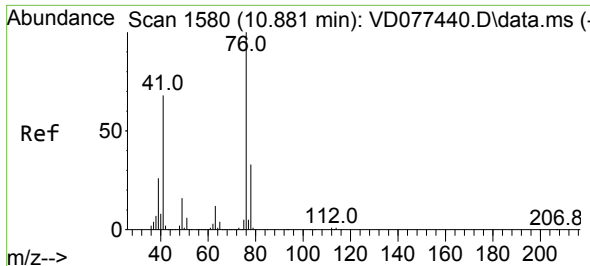
Ion Ratio Lower Upper

69 100

41 0.0 39.1 58.7#

39 0.0 20.0 30.0#

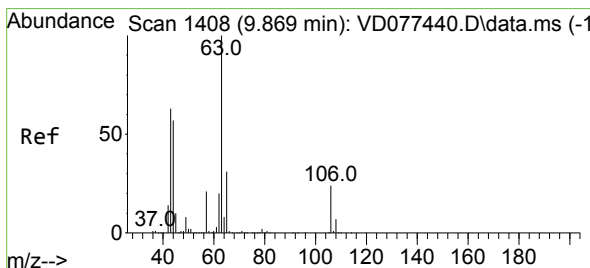
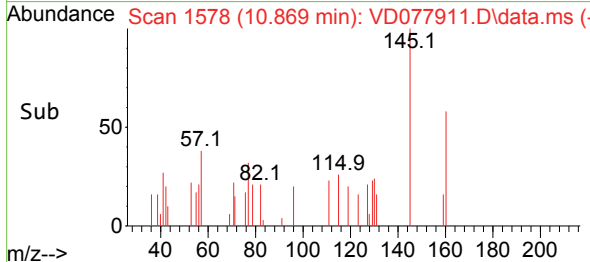
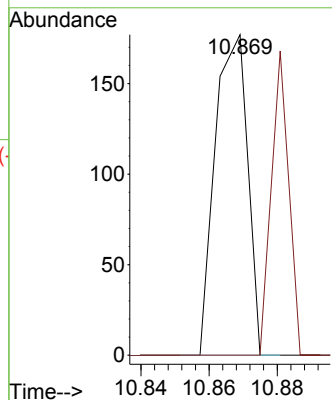
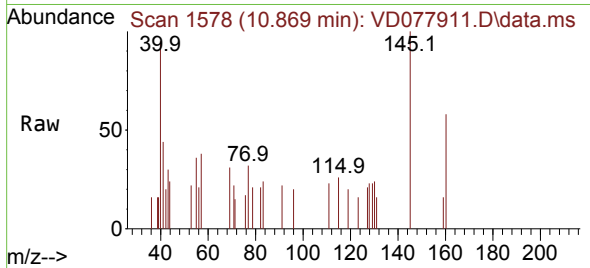




#57
1,3-Dichloropropane
Concen: 1.516 ug/l
RT: 10.869 min Scan# 117
Delta R.T. -0.012 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

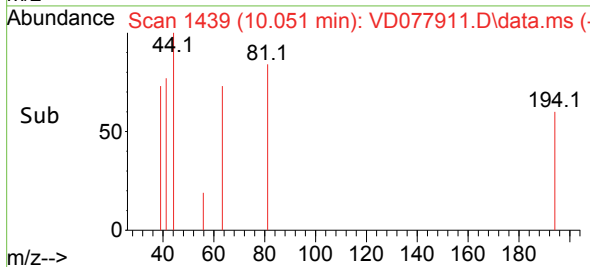
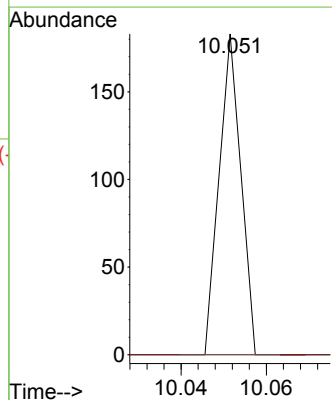
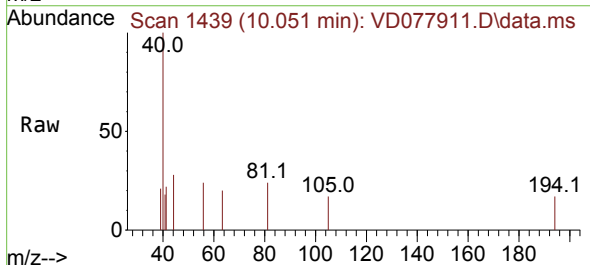
Instrument :
MSVOA_D
ClientSampleId :

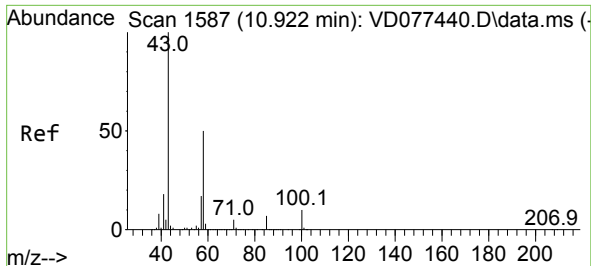
Tgt Ion: 76 Resp: 117
Ion Ratio Lower Upper
76 100
78 50.4 26.4 39.6#



#58
2-Chloroethyl Vinyl ether
Concen: 2.888 ug/l
RT: 10.051 min Scan# 1439
Delta R.T. 0.182 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 25.3 37.9#

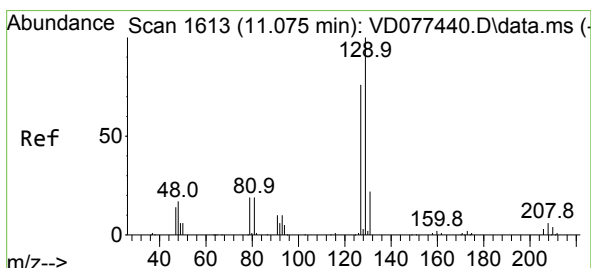
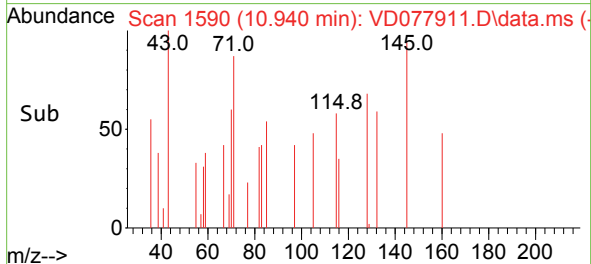
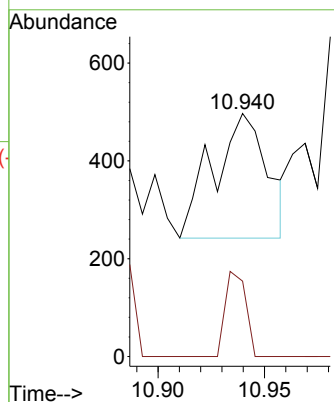
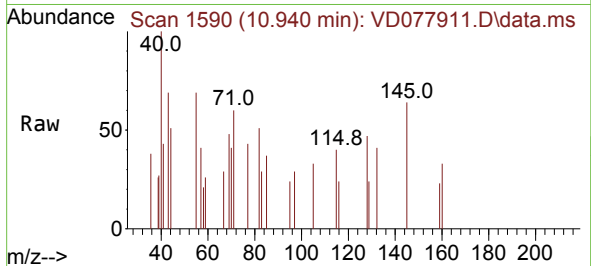




#59
2-Hexanone
Concen: 17.176 ug/l
RT: 10.940 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

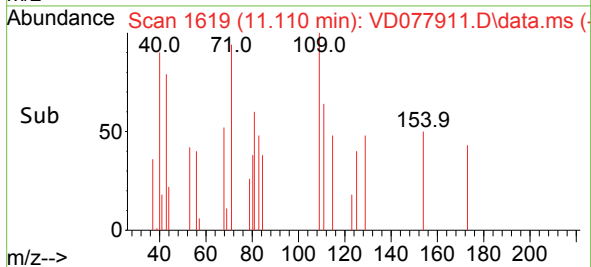
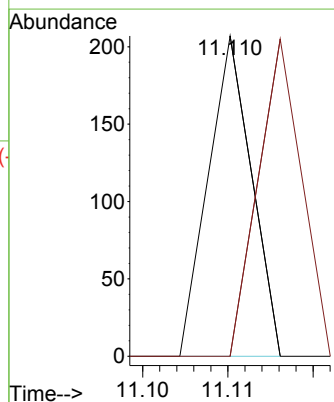
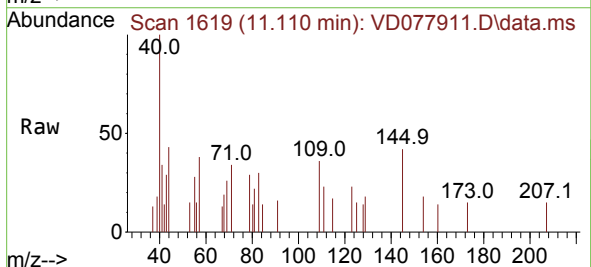
Instrument :
MSVOA_D
ClientSampleId :

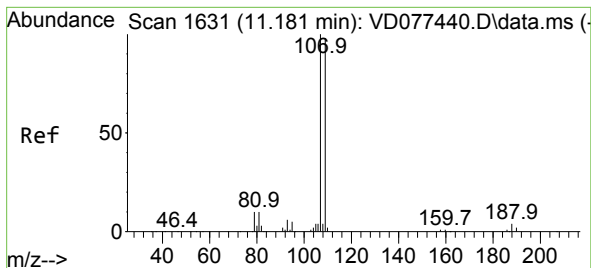
Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
58 25.7 34.1 102.2#



#60
Dibromochloromethane
Concen: 1.354 ug/l
RT: 11.110 min Scan# 1619
Delta R.T. 0.035 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 129 Resp: 73
Ion Ratio Lower Upper
129 100
127 98.6 37.1 111.5

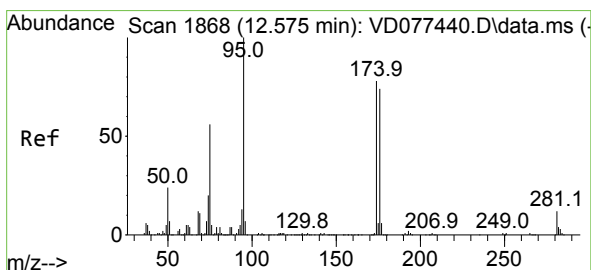
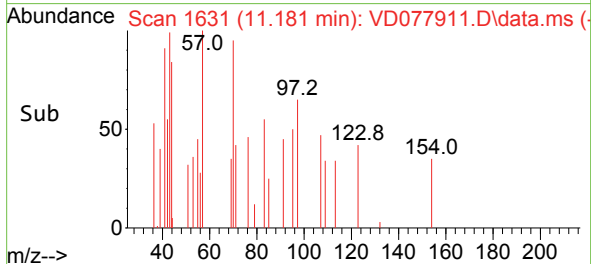
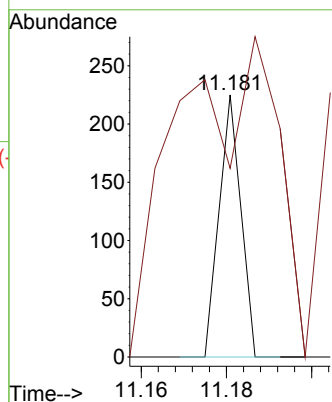
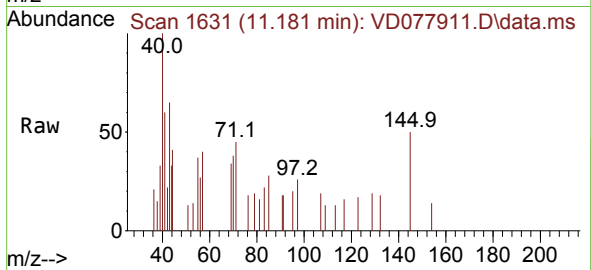




#61
1,2-Dibromoethane
Concen: 1.874 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

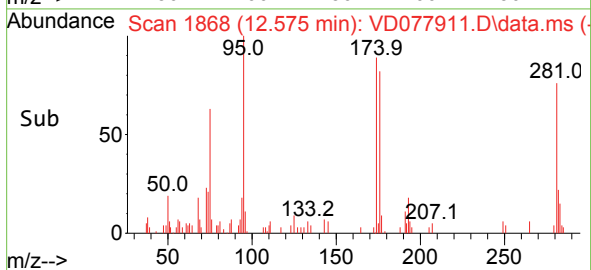
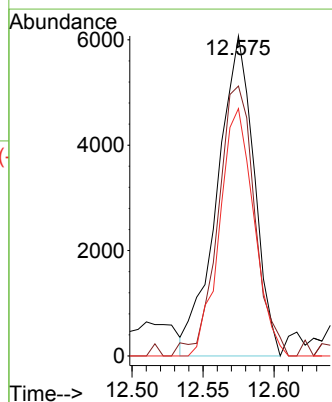
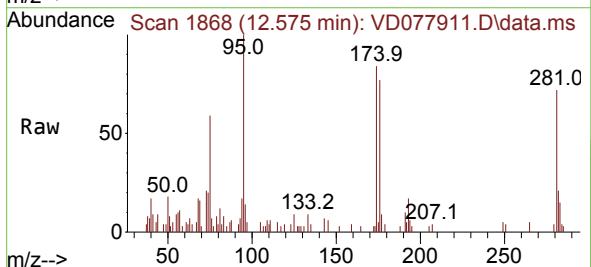
Instrument :
MSVOA_D
ClientSampleId :

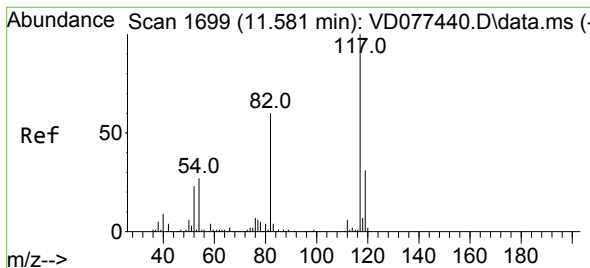
Tgt Ion:107 Resp: 79
Ion Ratio Lower Upper
107 100
109 559.5 75.6 113.4#



#62
4-Bromofluorobenzene
Concen: 163.752 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 95 Resp: 10992
Ion Ratio Lower Upper
95 100
174 83.9 0.0 201.8
176 72.0 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077911.D

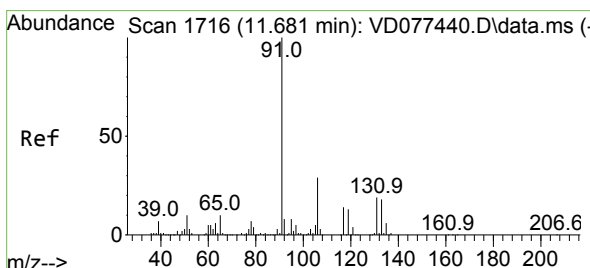
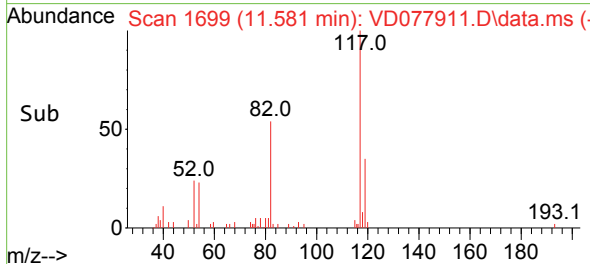
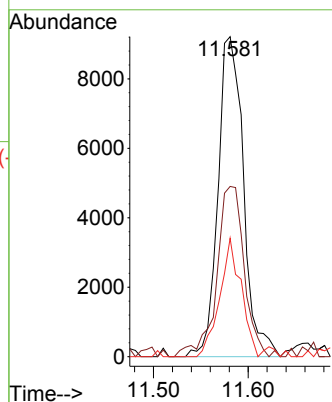
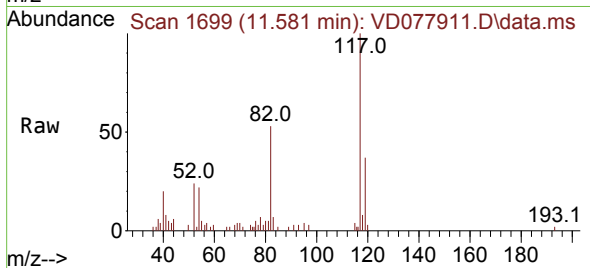
Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	117	Resp:	17216
Ion	Ratio	Lower	Upper
117	100		
82	53.2	38.3	57.5
119	37.0	25.0	37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 1.180 ug/l

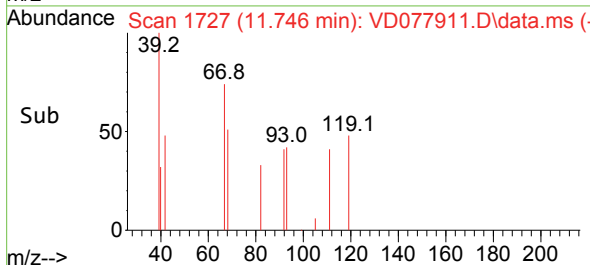
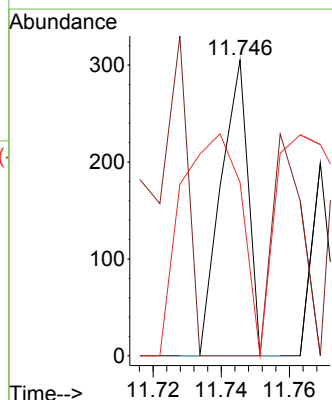
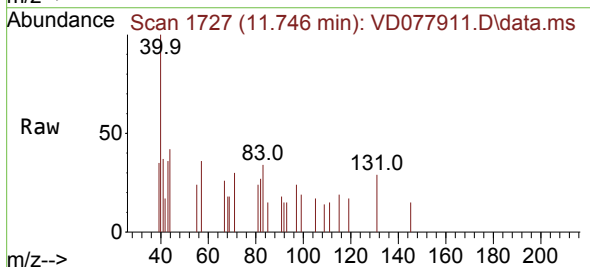
RT: 11.746 min Scan# 1727

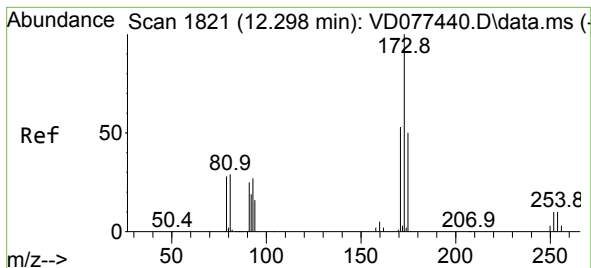
Delta R.T. 0.065 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

Tgt Ion:	131	Resp:	169
Ion	Ratio	Lower	Upper
131	100		
133	139.6	48.5	145.5
119	165.7	35.6	106.9#





#71

Bromoform

Concen: 3.142 ug/l

RT: 12.287 min Scan# 1819

Delta R.T. -0.011 min

Lab File: VD077911.D

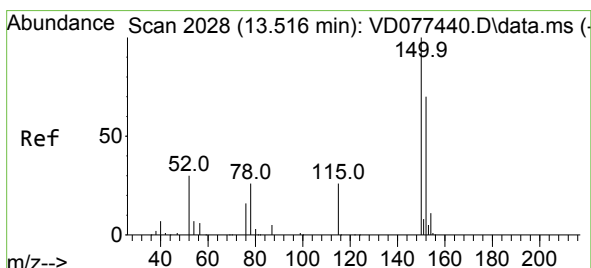
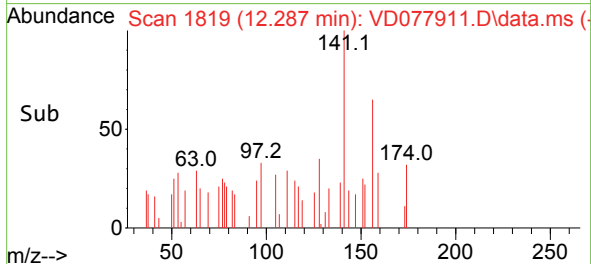
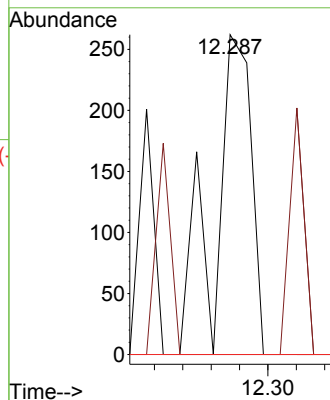
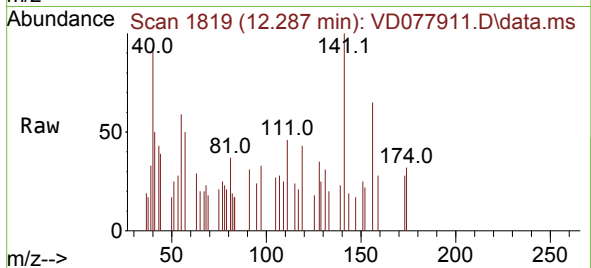
Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:173	Resp:	235
Ion Ratio	Lower	Upper
173	100	
175	0.0	24.6
254	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

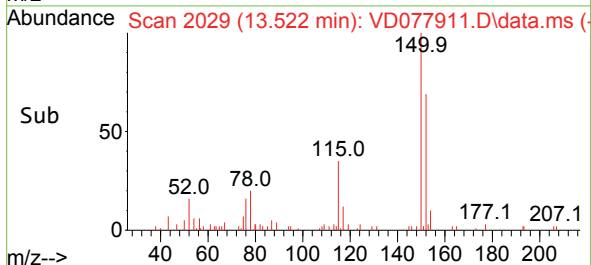
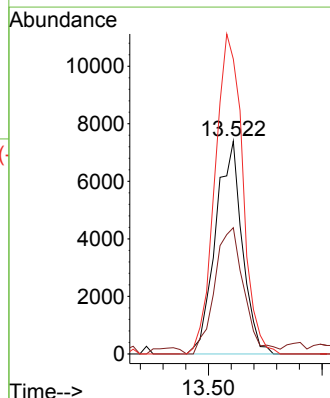
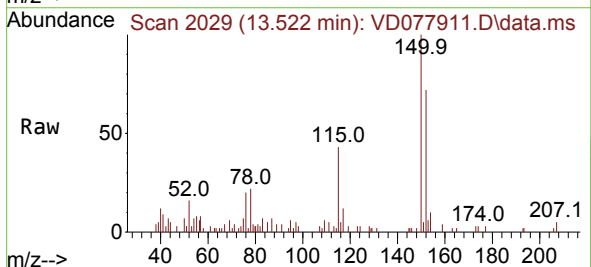
RT: 13.522 min Scan# 2029

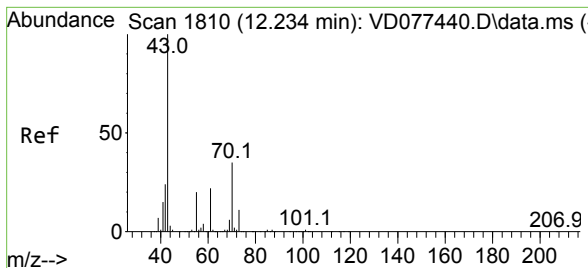
Delta R.T. 0.006 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

Tgt Ion:152	Resp:	12067
Ion Ratio	Lower	Upper
152	100	
115	65.4	27.1
150	155.8	0.0





#74

N-amy1 acetate

Concen: 4.589 ug/l

RT: 12.228 min Scan# 1809

Delta R.T. -0.006 min

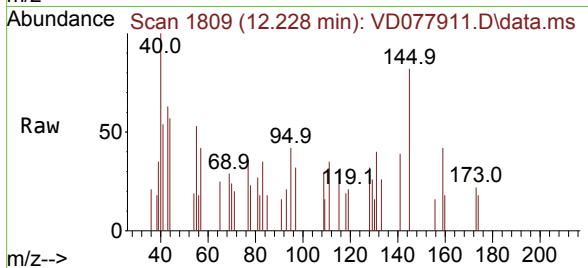
Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 825

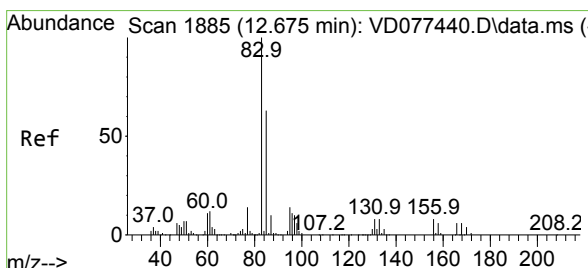
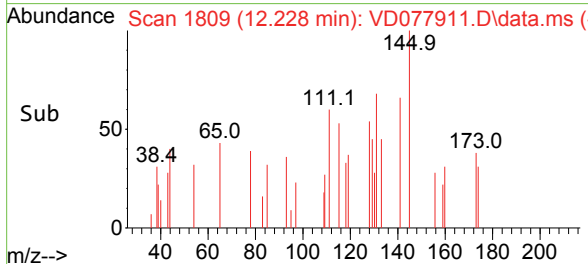
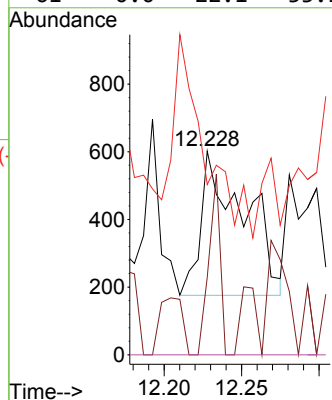
Ion Ratio Lower Upper

43 100

70 32.6 45.0 67.4#

55 0.0 23.8 35.6#

61 0.0 22.1 33.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 12.247 ug/l

RT: 12.893 min Scan# 1922

Delta R.T. 0.217 min

Lab File: VD077911.D

Acq: 15 Dec 2023 18:39

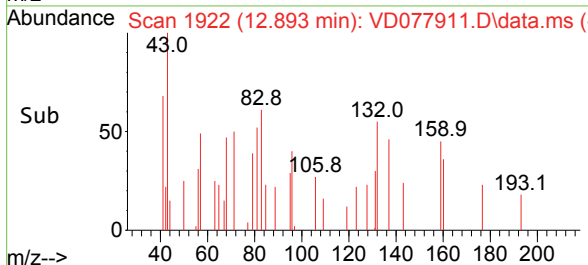
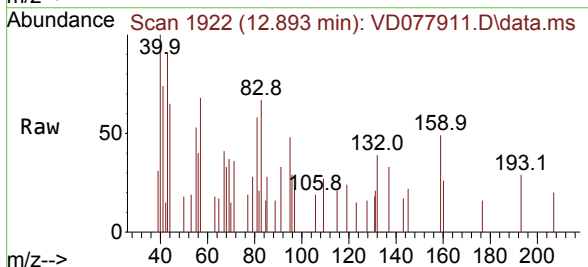
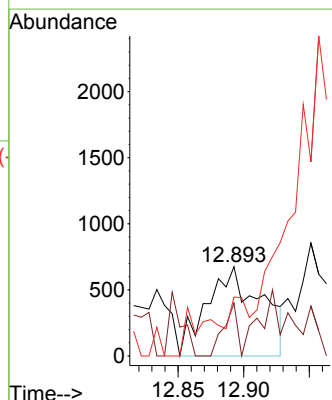
Tgt Ion: 83 Resp: 1953

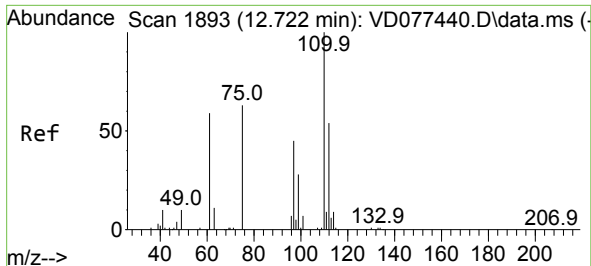
Ion Ratio Lower Upper

83 100

131 14.4 5.1 15.3

85 48.4 32.6 97.8

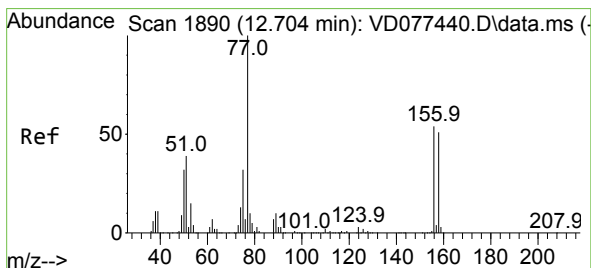
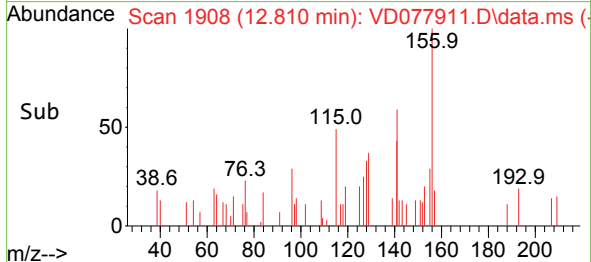
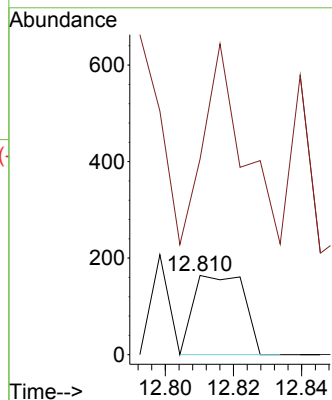
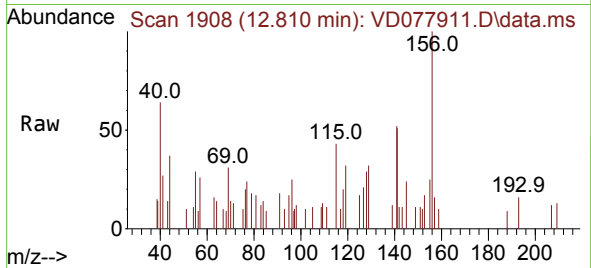




#76
1,2,3-Trichloropropane
Concen: 1.613 ug/l
RT: 12.810 min Scan# 1908
Delta R.T. 0.088 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

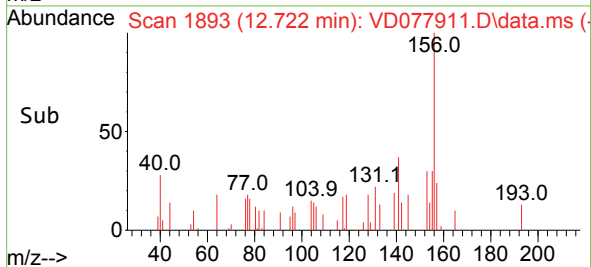
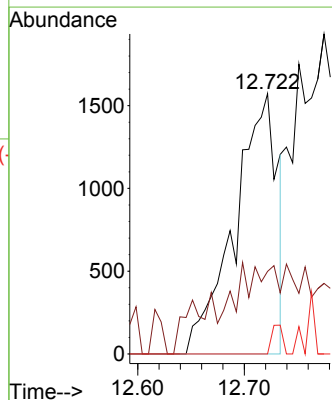
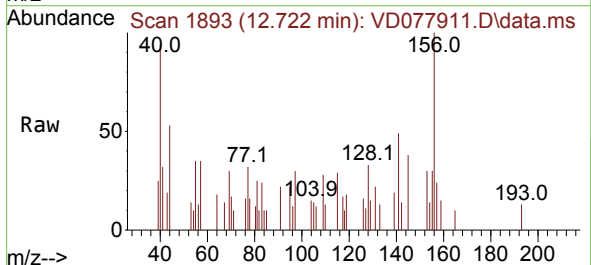
Instrument :
MSVOA_D
ClientSampleId :

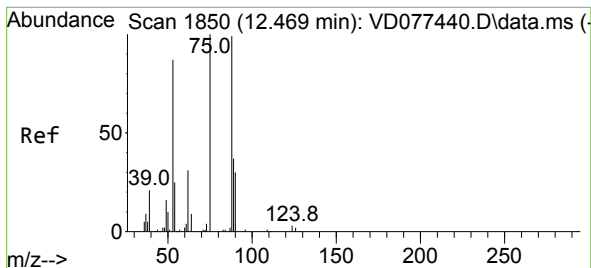
Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
77 194.1 0.0 0.0#



#77
Bromobenzene
Concen: 20.347 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. 0.018 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

Tgt Ion: 156 Resp: 4377
Ion Ratio Lower Upper
156 100
77 0.0 76.8 230.4#
158 2.8 48.6 145.9#

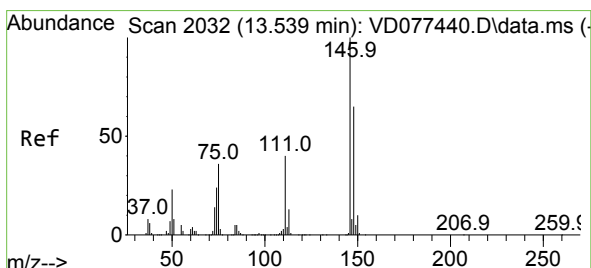
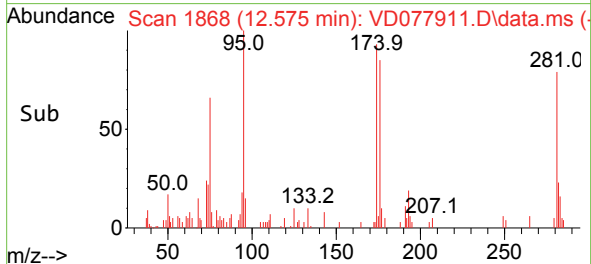
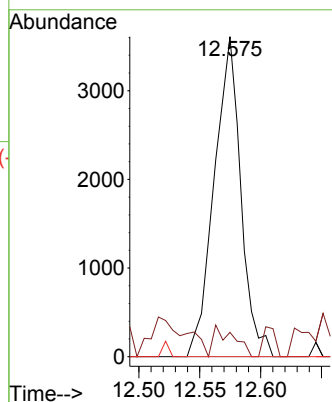
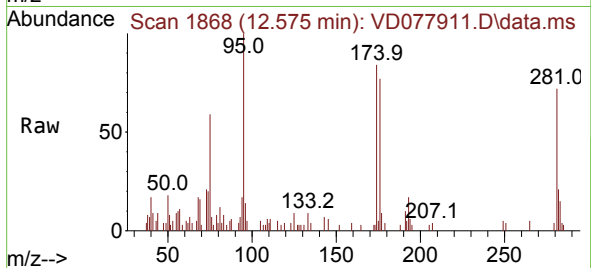




#81
trans-1,4-Dichloro-2-butene
Concen: 106.269 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

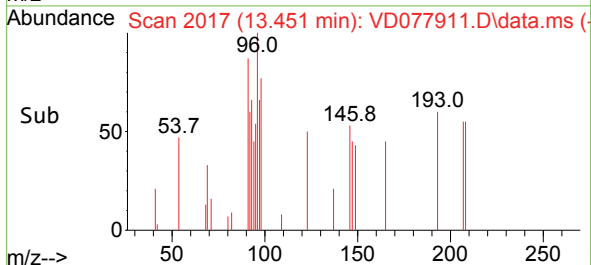
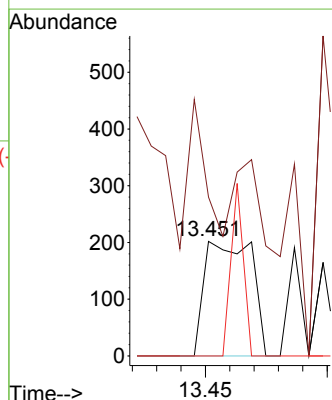
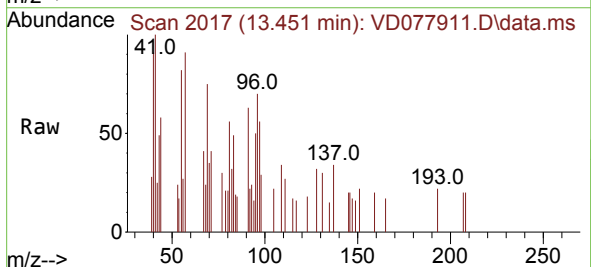
Instrument :
MSVOA_D
ClientSampleId :

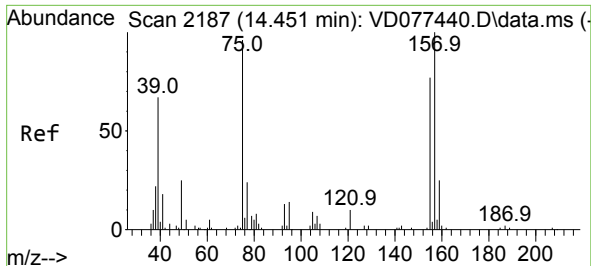
Tgt Ion: 75 Resp: 5497
Ion Ratio Lower Upper
75 100
53 7.4 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.451 min Scan# 2017
Delta R.T. -0.088 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

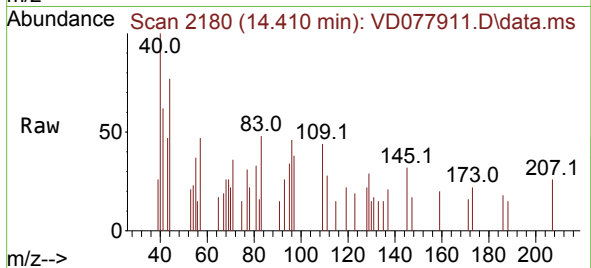
Tgt Ion: 146 Resp: 272
Ion Ratio Lower Upper
146 100
111 44.1 17.4 52.3
148 39.3 31.7 95.1



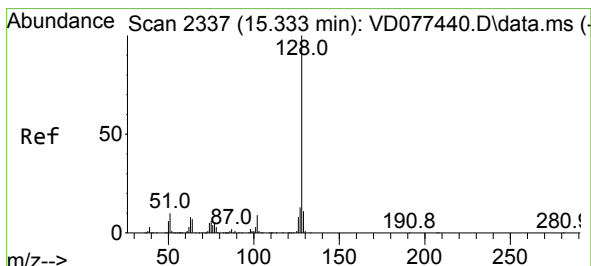
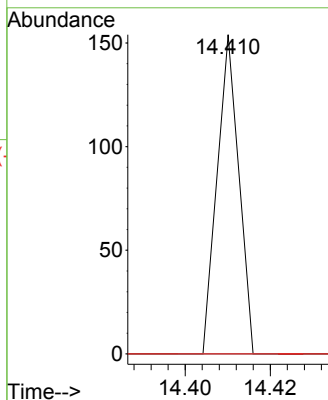
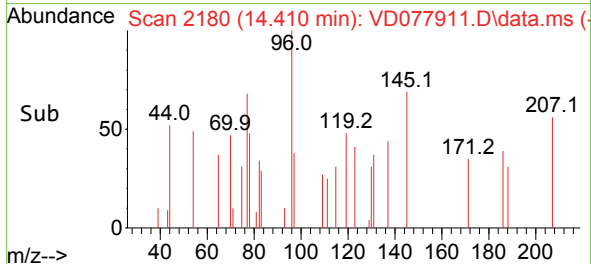


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.384 ug/l
RT: 14.410 min Scan# 2187
Delta R.T. -0.041 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39

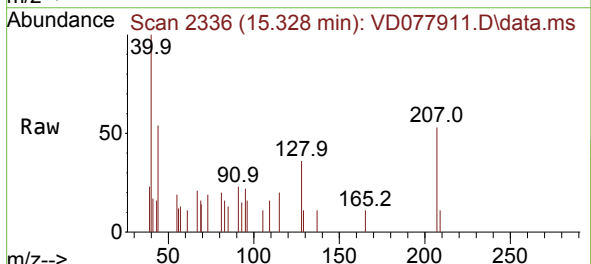
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#



#95
Naphthalene
Concen: 2.101 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.005 min
Lab File: VD077911.D
Acq: 15 Dec 2023 18:39



Tgt Ion: 128 Resp: 892
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 31.4 8.7 13.1#

