

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077941.D
 Acq On : 16 Dec 2023 18:34
 Operator : RP/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 02:02:16 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	7.875	168	113928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	204753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	202438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	107089	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	68705	51.178	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.360%	
35) Dibromofluoromethane	7.810	113	71116	49.585	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.180%	
50) Toluene-d8	10.269	98	280740	48.873	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.740%	
62) 4-Bromofluorobenzene	12.569	95	90214	52.530	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	52797	37.099	ug/l	96
3) Chloromethane	2.146	50	96936	49.971	ug/l	95
4) Vinyl Chloride	2.287	62	133779	50.800	ug/l	98
5) Bromomethane	2.693	94	87540	59.241	ug/l	98
6) Chloroethane	2.840	64	95619	53.258	ug/l	99
7) Trichlorofluoromethane	3.175	101	103884	42.832	ug/l	100
8) Diethyl Ether	3.593	74	33560	49.277	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.964	101	60138	43.342	ug/l	96
10) Methyl Iodide	4.169	142	66802	54.267	ug/l #	89
11) Tert butyl alcohol	5.046	59	17323	268.805	ug/l #	94
12) 1,1-Dichloroethene	3.946	96	59024	43.100	ug/l #	77
13) Acrolein	3.793	56	27405	192.980	ug/l	96
14) Allyl chloride	4.558	41	80688	42.840	ug/l	91
15) Acrylonitrile	5.258	53	75913	260.334	ug/l	96
16) Acetone	4.022	43	70409	241.619	ug/l #	84
17) Carbon Disulfide	4.275	76	193325	41.727	ug/l	100
18) Methyl Acetate	4.569	43	63639	60.192	ug/l	91
19) Methyl tert-butyl Ether	5.316	73	150403	51.765	ug/l #	89
20) Methylene Chloride	4.799	84	84143	53.238	ug/l	90
21) trans-1,2-Dichloroethene	5.311	96	73399	47.320	ug/l #	80
22) Diisopropyl ether	6.216	45	196892	50.024	ug/l	97
23) Vinyl Acetate	6.158	43	451938	235.131	ug/l #	91
24) 1,1-Dichloroethane	6.116	63	132182	49.591	ug/l	95
25) 2-Butanone	7.081	43	89938	243.316	ug/l #	85
26) 2,2-Dichloropropane	7.075	77	100240	44.792	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	85165	51.026	ug/l	90
28) Bromochloromethane	7.428	49	57631	53.509	ug/l #	77
29) Tetrahydrofuran	7.446	42	55482	259.532	ug/l	87
30) Chloroform	7.599	83	136459	51.154	ug/l	91
31) Cyclohexane	7.875	56	96838	40.555	ug/l	85
32) 1,1,1-Trichloroethane	7.793	97	108725	46.233	ug/l	99
36) 1,1-Dichloropropene	8.010	75	96156	41.914	ug/l	96
37) Ethyl Acetate	7.163	43	38437	42.969	ug/l	99
38) Carbon Tetrachloride	7.993	117	96341	42.124	ug/l	92
39) Methylcyclohexane	9.275	83	114269	42.016	ug/l	93
40) Benzene	8.252	78	304045	46.696	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	22780	50.104	ug/l	95
42) 1,2-Dichloroethane	8.328	62	81502	48.289	ug/l	94
43) Isopropyl Acetate	8.363	43	76673	48.218	ug/l	92
44) Trichloroethene	9.028	130	76303	44.969	ug/l	92
45) 1,2-Dichloropropane	9.304	63	76934	48.605	ug/l	99
46) Dibromomethane	9.393	93	42712	50.999	ug/l	92
47) Bromodichloromethane	9.581	83	107266	50.530	ug/l	97
48) Methyl methacrylate	9.381	41	39894	44.135	ug/l	86
49) 1,4-Dioxane	9.387	88	7568	910.031	ug/l #	71
51) 4-Methyl-2-Pentanone	10.157	43	196917	242.645	ug/l	93
52) Toluene	10.334	92	191938	47.522	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	100197	49.152	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	121814	49.425	ug/l #	91
55) 1,1,2-Trichloroethane	10.734	97	59515	51.952	ug/l	92
56) Ethyl methacrylate	10.599	69	51977	51.469	ug/l	90
57) 1,3-Dichloropropane	10.881	76	99594	50.436	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	143997	250.038	ug/l	93
59) 2-Hexanone	10.922	43	143688	213.410	ug/l	89
60) Dibromochloromethane	11.075	129	71049	51.513	ug/l	96
61) 1,2-Dibromoethane	11.175	107	54093	50.162	ug/l	96
64) Tetrachloroethene	10.810	164	63443	42.639	ug/l	99
65) Chlorobenzene	11.604	112	209036	43.565	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	77834	46.236	ug/l	96
67) Ethyl Benzene	11.681	91	376035	44.617	ug/l	95
68) m/p-Xylenes	11.793	106	290774	90.196	ug/l	91
69) o-Xylene	12.122	106	137944	46.428	ug/l	89
70) Styrene	12.134	104	211325	47.834	ug/l	94
71) Bromoform	12.298	173	42941	48.819	ug/l #	98
73) Isopropylbenzene	12.416	105	358571	44.179	ug/l	98
74) N-amyl acetate	12.234	43	67189	42.113	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	68640	48.502	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	83849	90.153	ug/l #	100
77) Bromobenzene	12.698	156	89317	46.785	ug/l	92
78) n-propylbenzene	12.763	91	443935	44.887	ug/l	96
79) 2-Chlorotoluene	12.845	91	240477	45.371	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	302743	44.722	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	21412	46.644	ug/l	95
82) 4-Chlorotoluene	12.945	91	254520	45.934	ug/l	96
83) tert-Butylbenzene	13.163	119	267008	46.721	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	315584	46.611	ug/l	97
85) sec-Butylbenzene	13.345	105	383971	45.454	ug/l	96
86) p-Isopropyltoluene	13.457	119	345208	45.643	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	183379	46.971	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	179969	46.057	ug/l	99
89) n-Butylbenzene	13.787	91	327492	46.017	ug/l	98
90) Hexachloroethane	14.051	117	67699	48.671	ug/l	92
91) 1,2-Dichlorobenzene	13.828	146	157565	47.455	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	10020	48.855	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	103689	45.719	ug/l	96
94) Hexachlorobutadiene	15.204	225	52723	43.110	ug/l	99
95) Naphthalene	15.328	128	205438	54.519	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	88499	47.332	ug/l	99

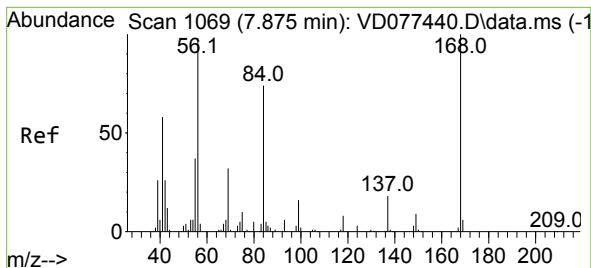
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

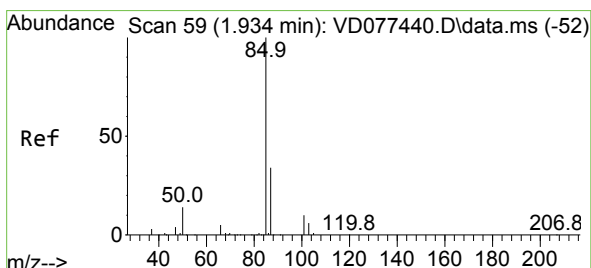
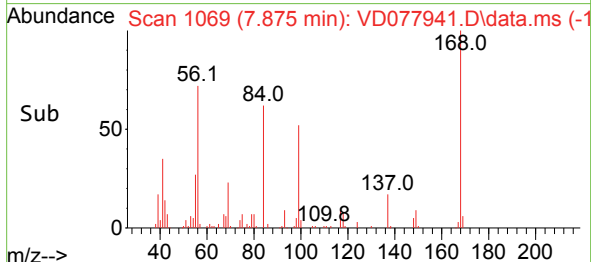
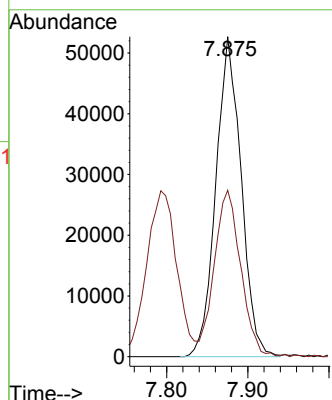
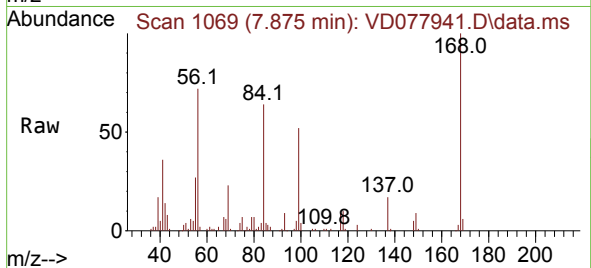
ClientSampleId :

Tgt Ion:168 Resp: 113928

Ion Ratio Lower Upper

168 100

99 51.7 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 37.099 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD077941.D

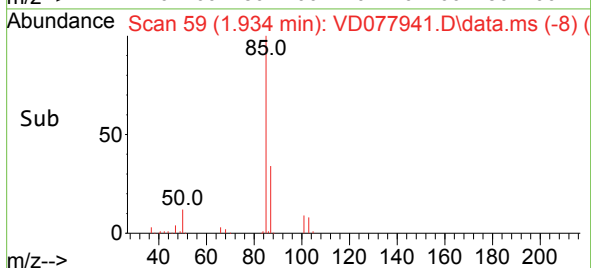
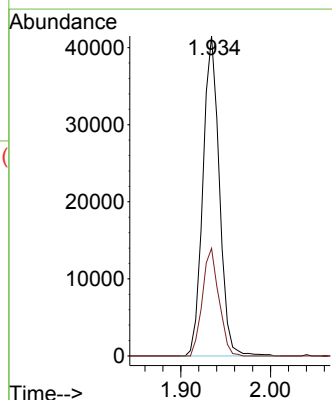
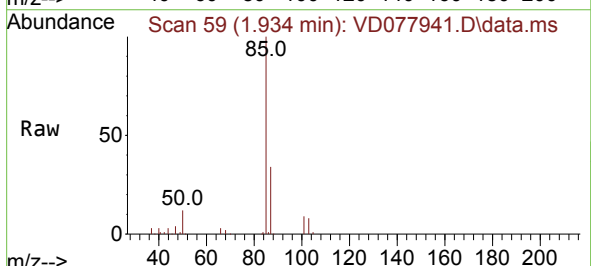
Acq: 16 Dec 2023 18:34

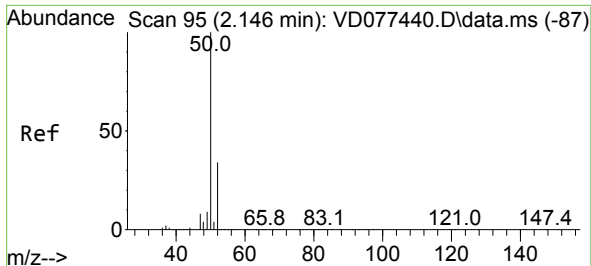
Tgt Ion: 85 Resp: 52797

Ion Ratio Lower Upper

85 100

87 33.7 15.7 47.0

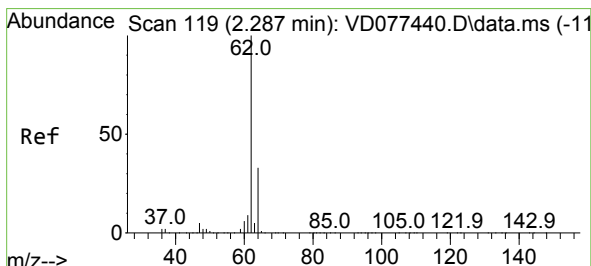
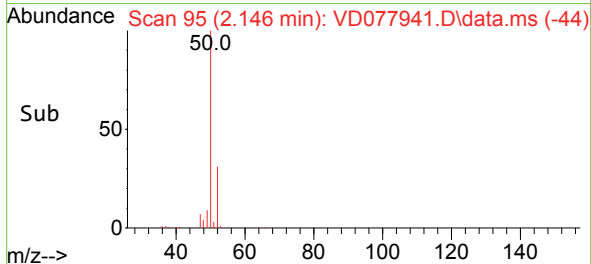
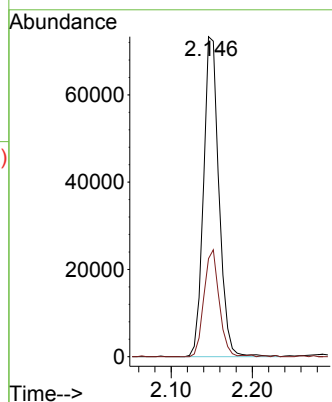
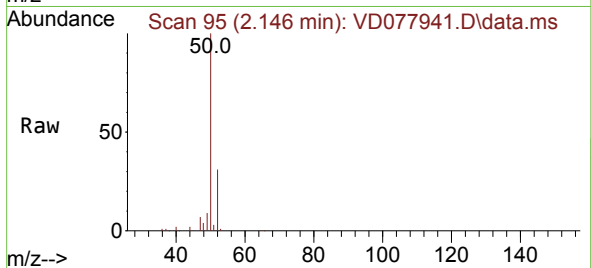




#3
Chloromethane
Concen: 49.971 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

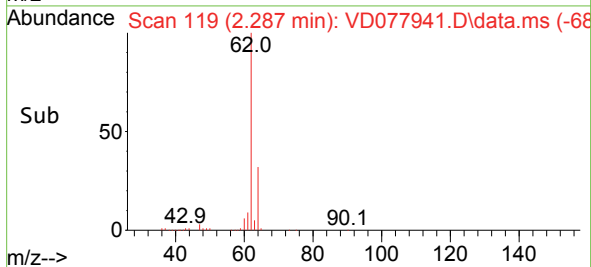
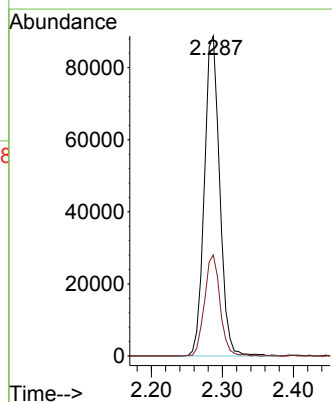
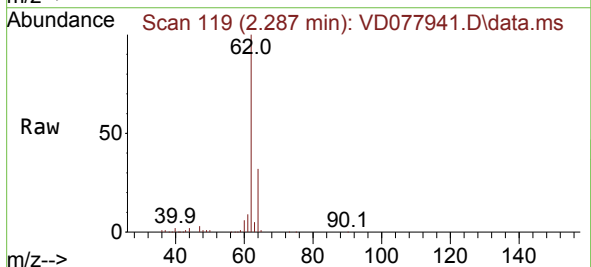
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 50 Resp: 96936
Ion Ratio Lower Upper
50 100
52 30.6 26.6 40.0



#4
Vinyl Chloride
Concen: 50.800 ug/l
RT: 2.287 min Scan# 119
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 62 Resp: 133779
Ion Ratio Lower Upper
62 100
64 31.6 26.0 39.0

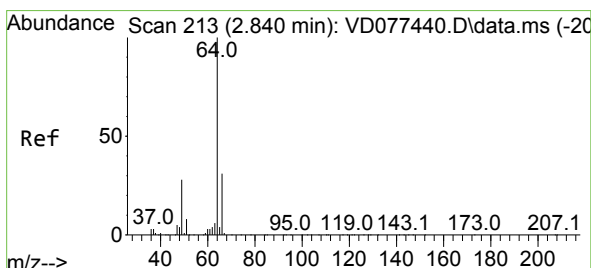
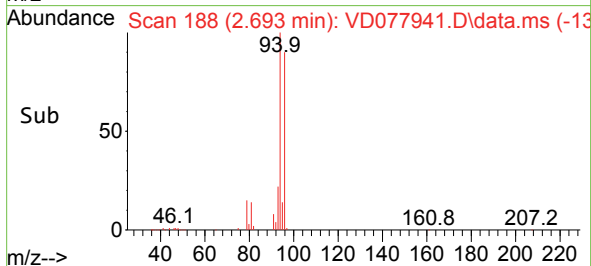
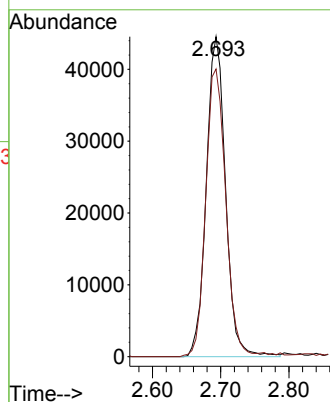
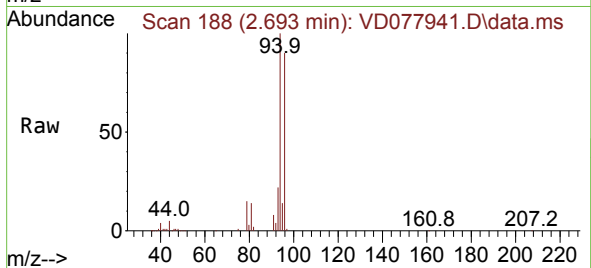




#5
Bromomethane
Concen: 59.241 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

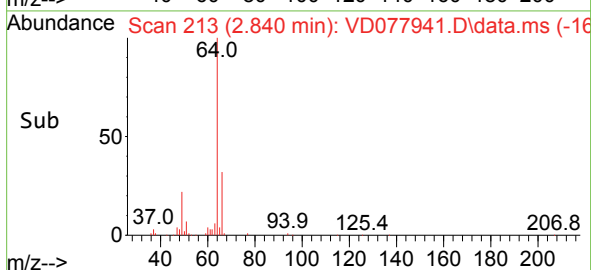
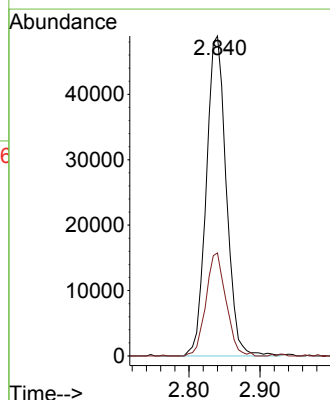
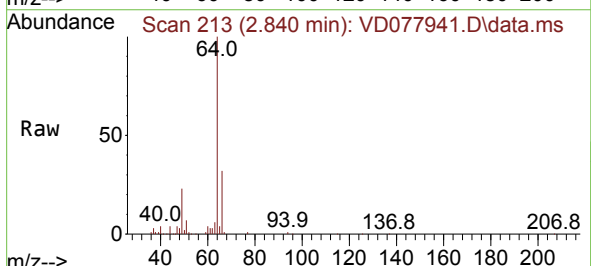
Instrument :
MSVOA_D
ClientSampleId :

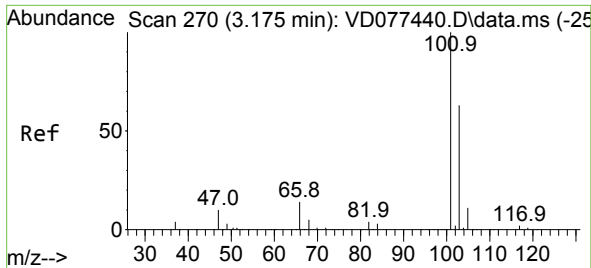
Tgt Ion: 94 Resp: 87540
Ion Ratio Lower Upper
94 100
96 93.3 75.8 113.8



#6
Chloroethane
Concen: 53.258 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 64 Resp: 95619
Ion Ratio Lower Upper
64 100
66 32.2 25.5 38.3

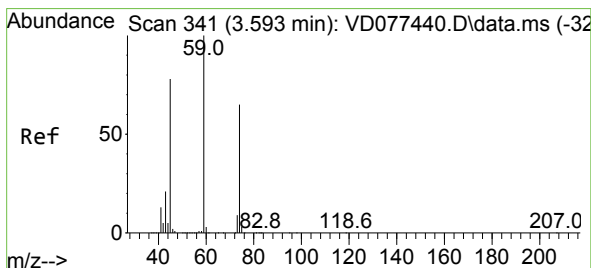
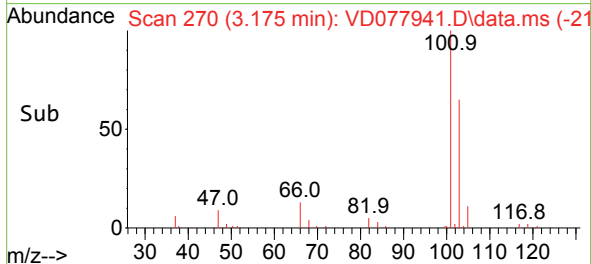
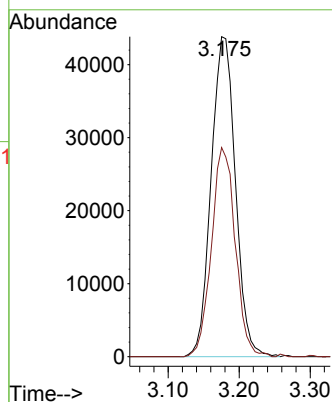
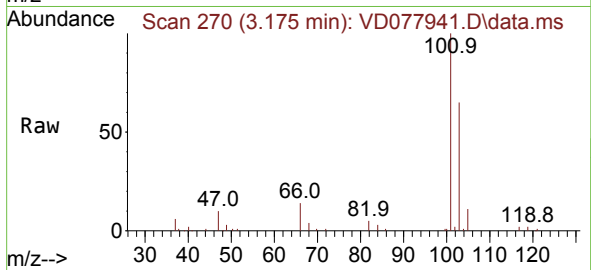




#7
Trichlorofluoromethane
Concen: 42.832 ug/l
RT: 3.175 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

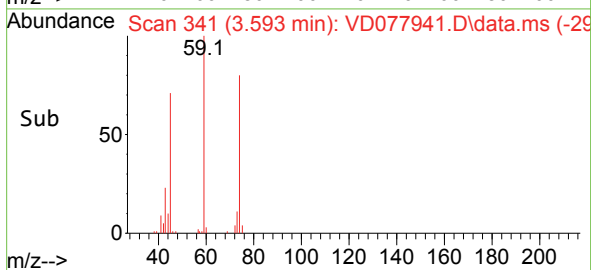
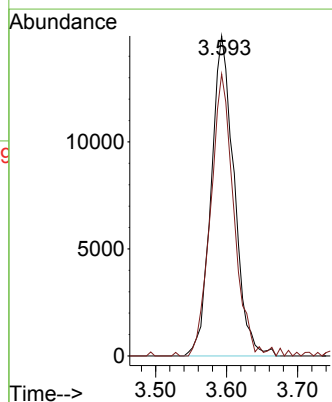
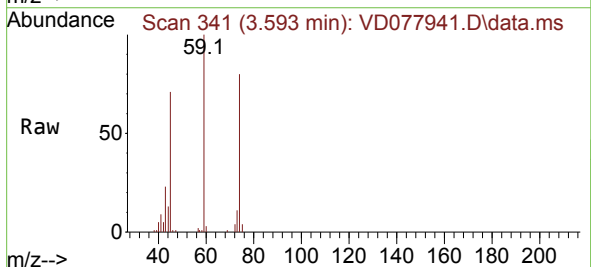
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:101 Resp: 103884
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5



#8
Diethyl Ether
Concen: 49.277 ug/l
RT: 3.593 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 74 Resp: 33560
Ion Ratio Lower Upper
74 100
45 88.5 37.5 112.7

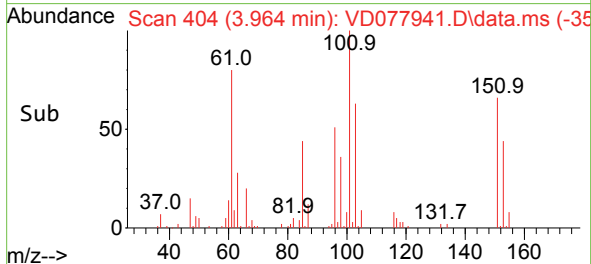
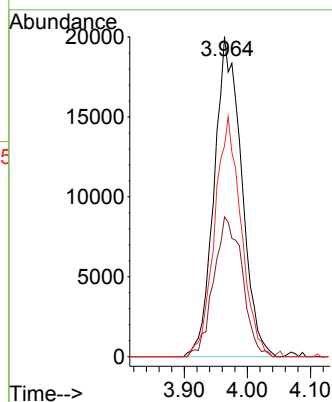
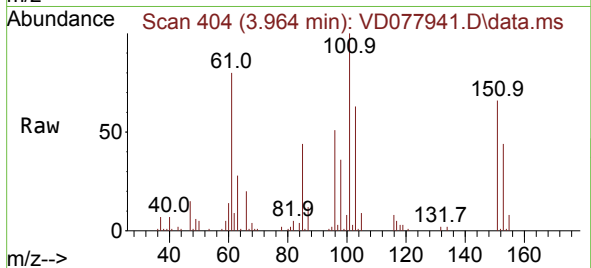




#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.342 ug/l
RT: 3.964 min Scan# 404
Delta R.T. 0.001 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

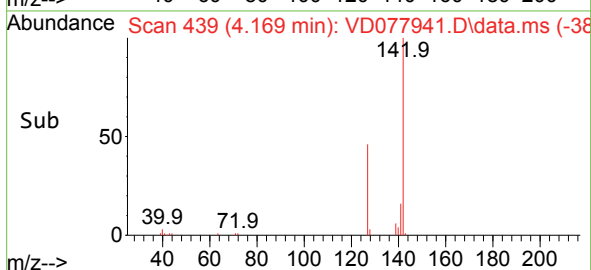
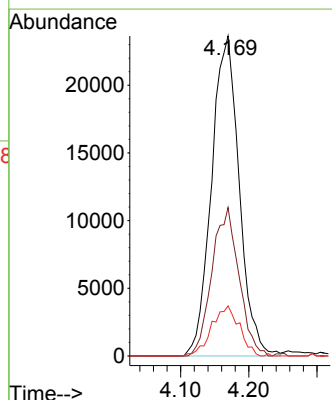
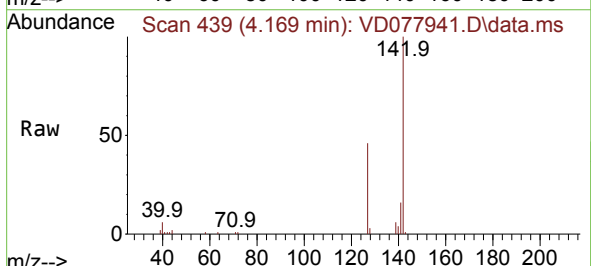
Instrument :
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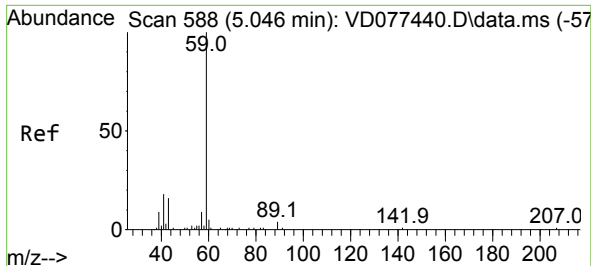
Tgt Ion:101 Resp: 60138
Ion Ratio Lower Upper
101 100
85 45.6 33.8 50.6
151 72.5 59.8 89.6



#10
Methyl Iodide
Concen: 54.267 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:142 Resp: 66802
Ion Ratio Lower Upper
142 100
127 45.1 29.4 44.0#
141 15.6 11.1 16.7

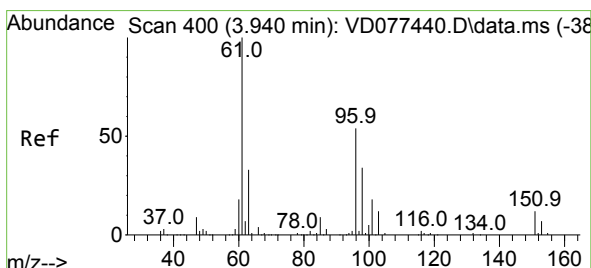
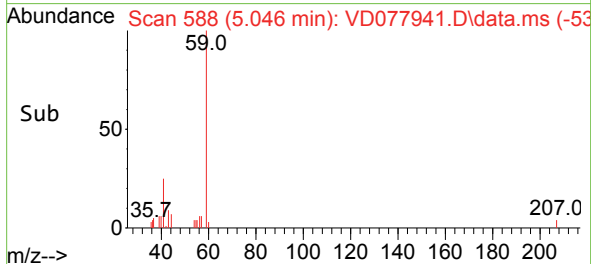
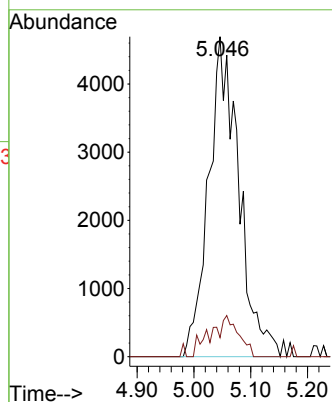
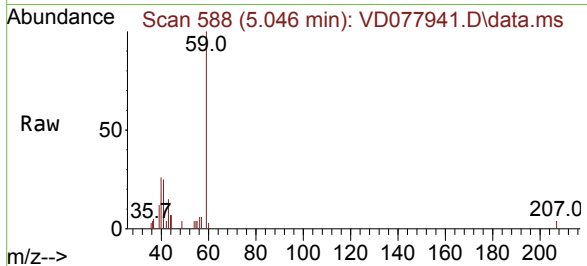




#11
Tert butyl alcohol
Concen: 268.805 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

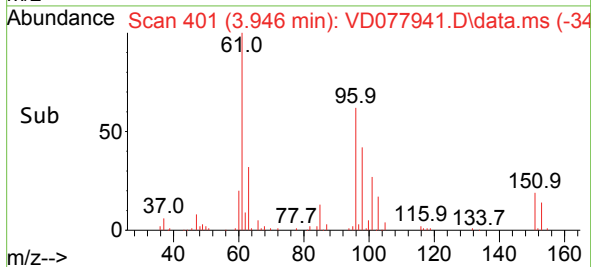
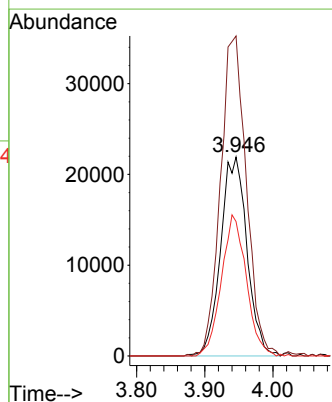
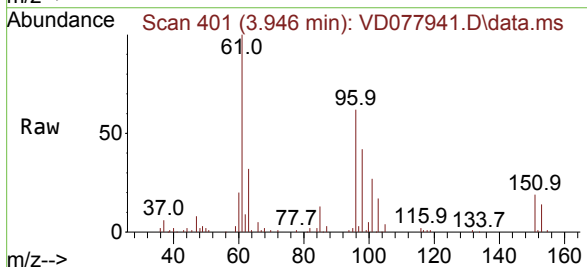
Instrument :
MSVOA_D
ClientSampleId :

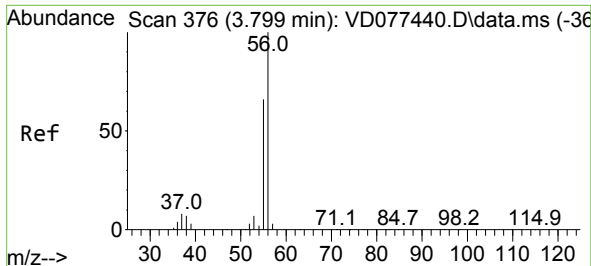
Tgt Ion: 59 Resp: 17323
Ion Ratio Lower Upper
59 100
57 11.9 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 43.100 ug/l
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 96 Resp: 59024
Ion Ratio Lower Upper
96 100
61 160.8 100.6 150.8#
98 67.5 50.2 75.2

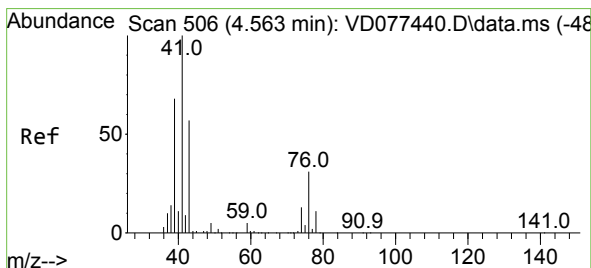
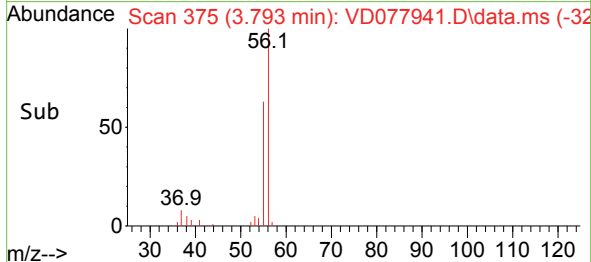
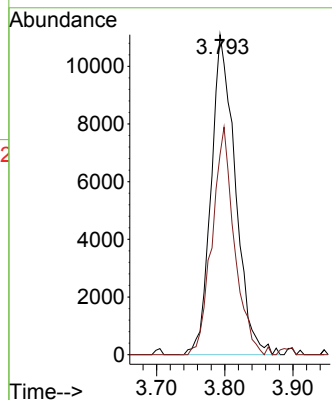
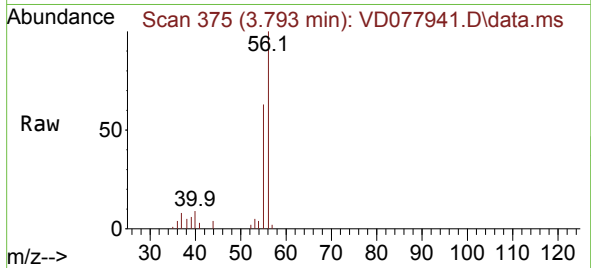




#13
Acrolein
Concen: 192.980 ug/l
RT: 3.793 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

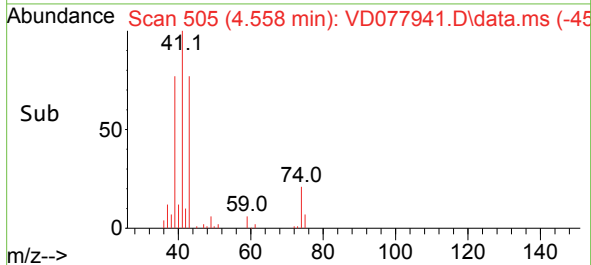
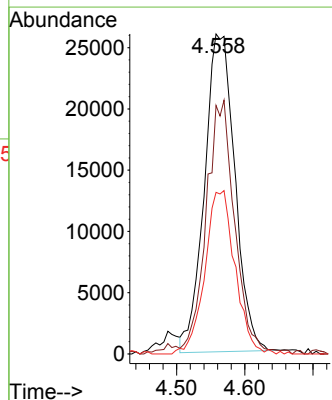
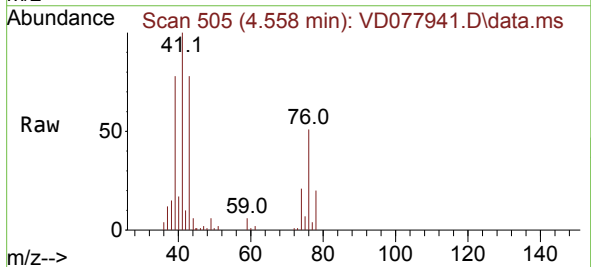
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 27405
Ion Ratio Lower Upper
56 100
55 65.3 55.1 82.7



#14
Allyl chloride
Concen: 42.840 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.005 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 41 Resp: 80688
Ion Ratio Lower Upper
41 100
39 75.0 53.8 80.6
76 50.7 45.8 68.8

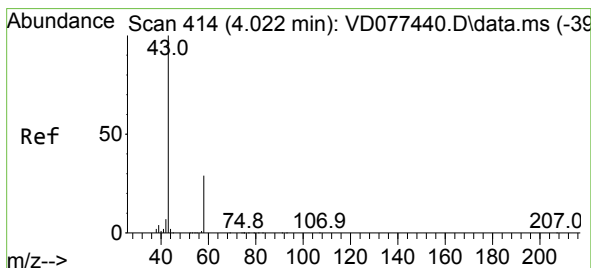
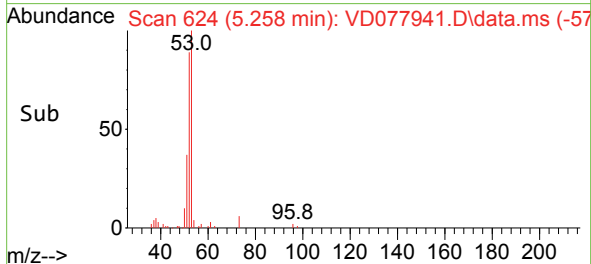
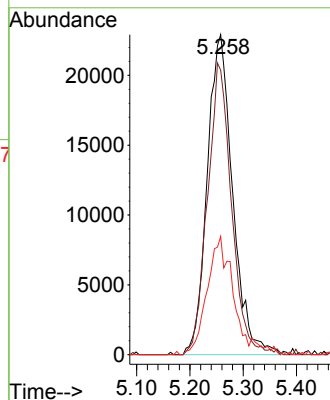
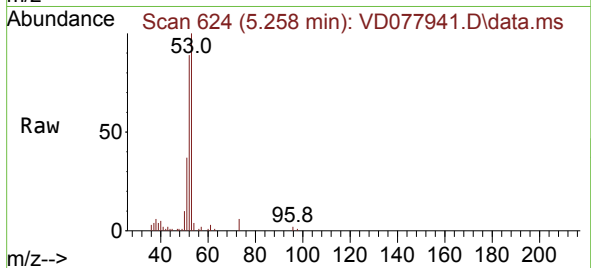




#15
Acrylonitrile
Concen: 260.334 ug/l
RT: 5.258 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

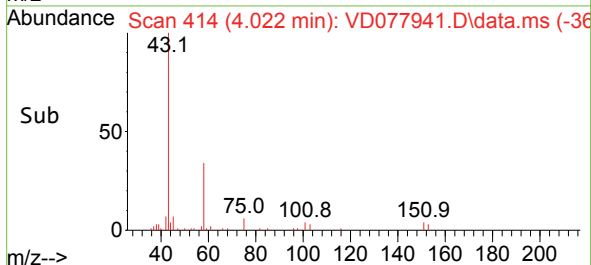
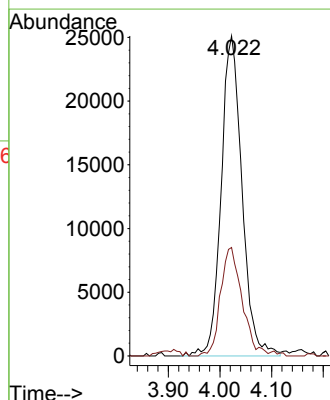
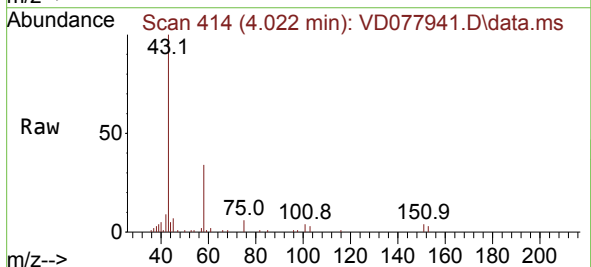
Instrument :
MSVOA_D
ClientSampleId :

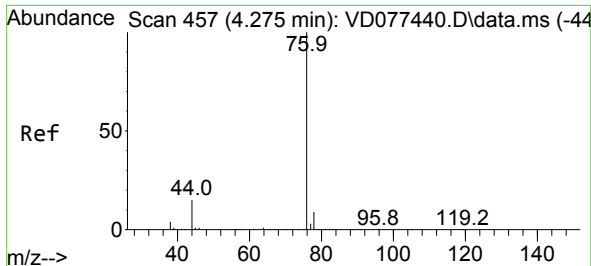
Tgt Ion: 53 Resp: 75913
Ion Ratio Lower Upper
53 100
52 86.2 65.0 97.4
51 36.3 28.3 42.5



#16
Acetone
Concen: 241.619 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 43 Resp: 70409
Ion Ratio Lower Upper
43 100
58 33.0 34.7 52.1#

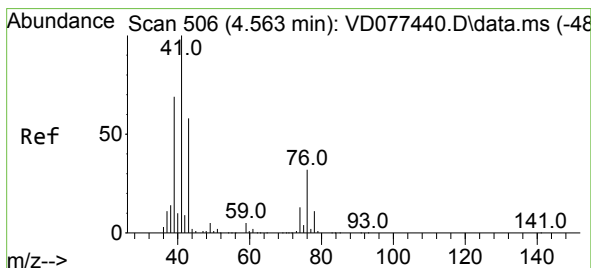
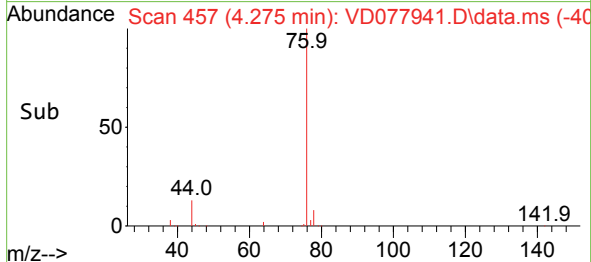
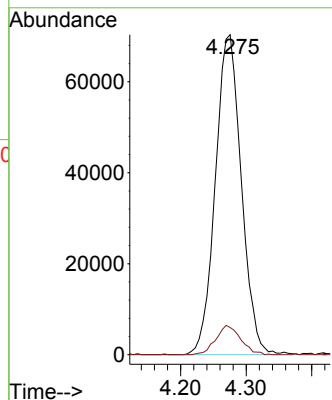
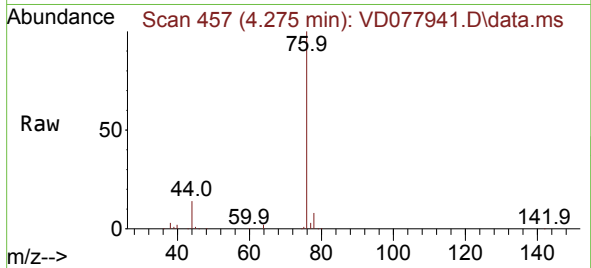




#17
Carbon Disulfide
Concen: 41.727 ug/l
RT: 4.275 min Scan# 417
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

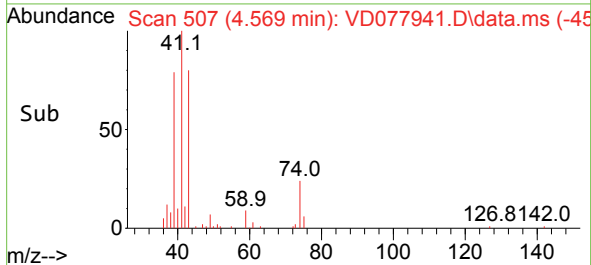
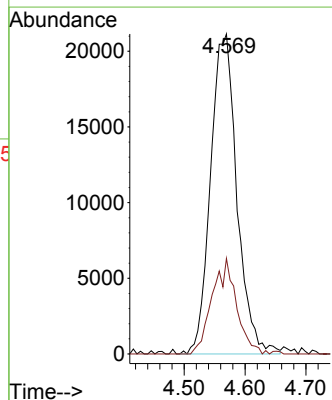
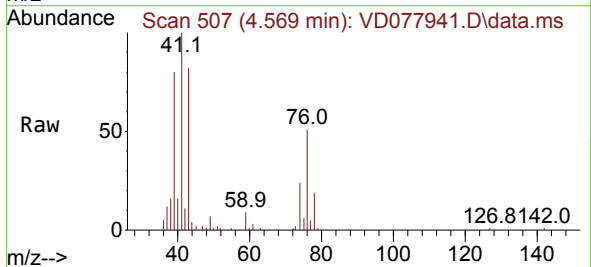
Instrument :
MSVOA_D
ClientSampleId :

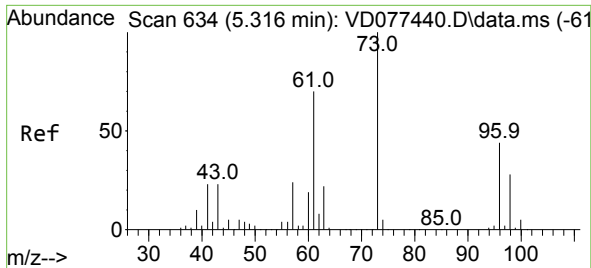
Tgt Ion: 76 Resp: 193325
Ion Ratio Lower Upper
76 100
78 8.5 6.8 10.2



#18
Methyl Acetate
Concen: 60.192 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 43 Resp: 63639
Ion Ratio Lower Upper
43 100
74 27.6 26.4 39.6

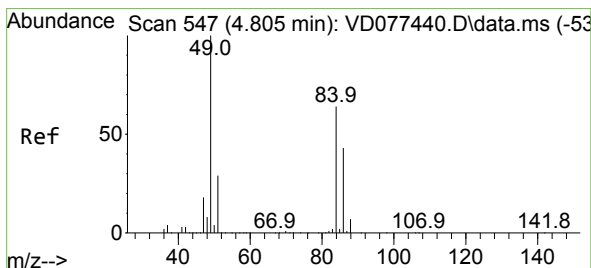
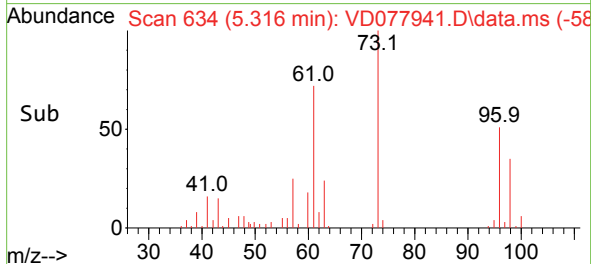
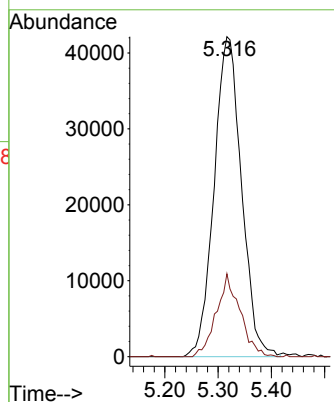
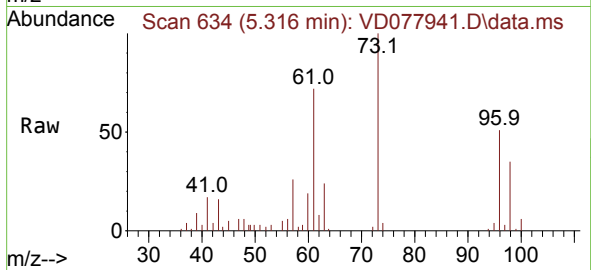




#19
Methyl tert-butyl Ether
Concen: 51.765 ug/l
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

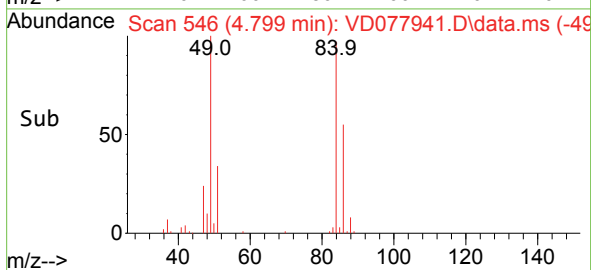
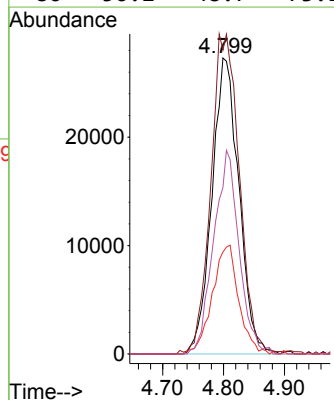
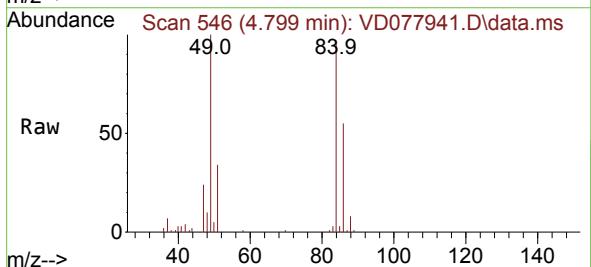
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 73 Resp: 150403
Ion Ratio Lower Upper
73 100
57 25.9 16.6 25.0#



#20
Methylene Chloride
Concen: 53.238 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

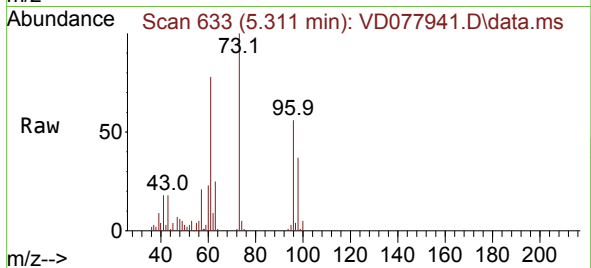
Tgt Ion: 84 Resp: 84143
Ion Ratio Lower Upper
84 100
49 101.8 71.4 107.2
51 34.4 24.5 36.7
86 56.2 48.7 73.1



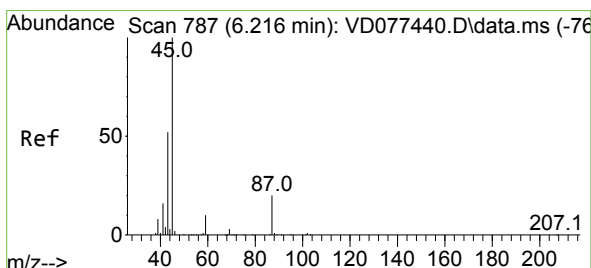
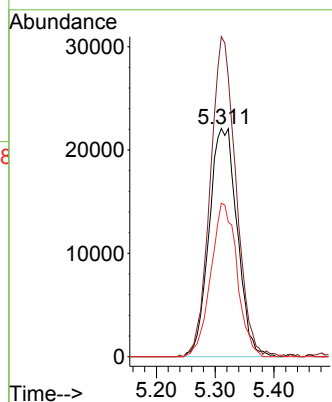
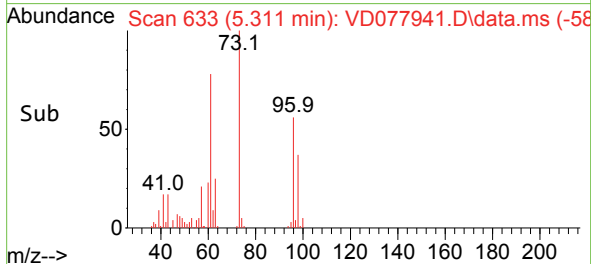


#21
trans-1,2-Dichloroethene
Concen: 47.320 ug/l
RT: 5.311 min Scan# 611
Delta R.T. 0.001 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

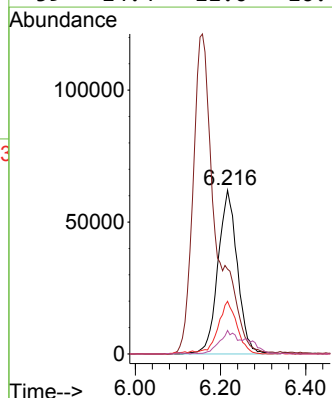
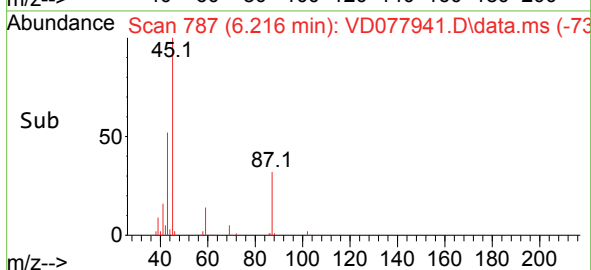
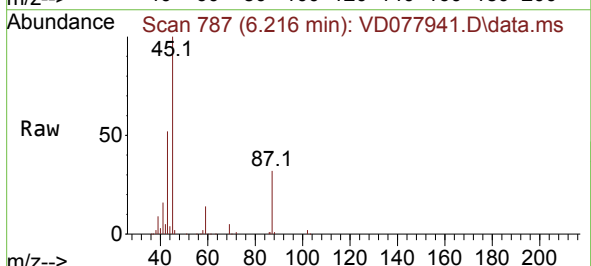


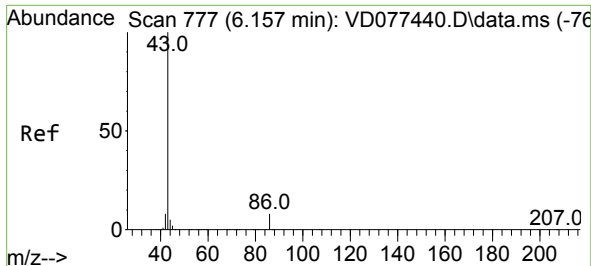
Tgt Ion: 96 Resp: 73399
Ion Ratio Lower Upper
96 100
61 140.3 89.3 133.9#
98 67.3 48.6 73.0



#22
Diisopropyl ether
Concen: 50.024 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

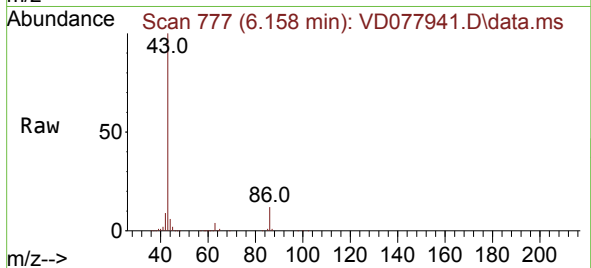
Tgt Ion: 45 Resp: 196892
Ion Ratio Lower Upper
45 100
43 50.4 40.0 60.0
87 31.8 28.2 42.4
59 14.4 11.0 16.4



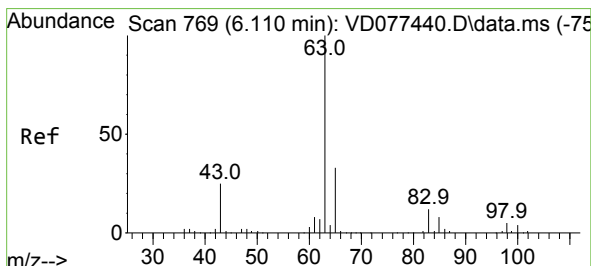
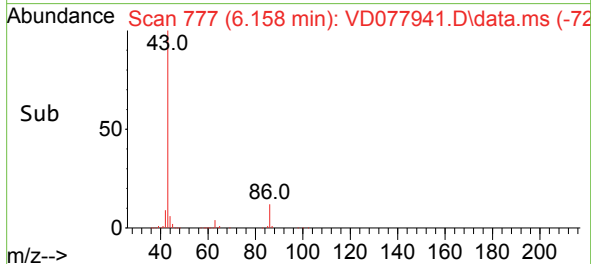
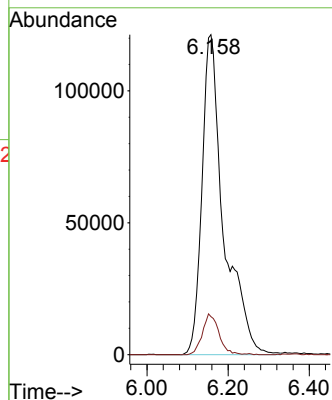


#23
 Vinyl Acetate
 Concen: 235.131 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

Instrument :
 MSVOA_D
 ClientSampleId :

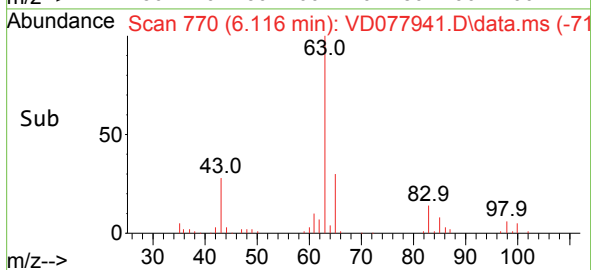
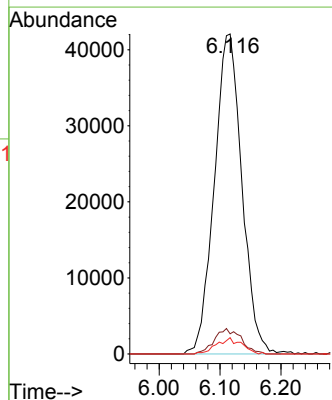
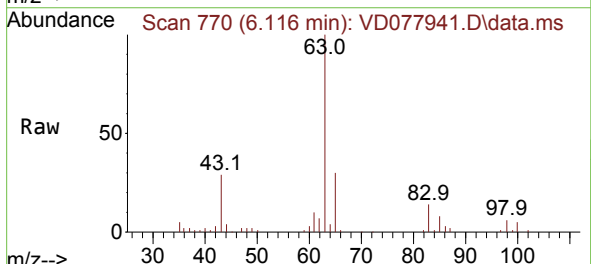


Tgt Ion: 43 Resp: 451938
 Ion Ratio Lower Upper
 43 100
 86 11.9 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 49.591 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.006 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

Tgt Ion: 63 Resp: 132182
 Ion Ratio Lower Upper
 63 100
 98 6.3 4.5 13.7
 100 5.1 2.5 7.5





#25

2-Butanone

Concen: 243.316 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

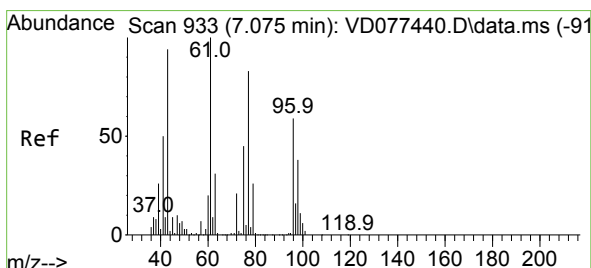
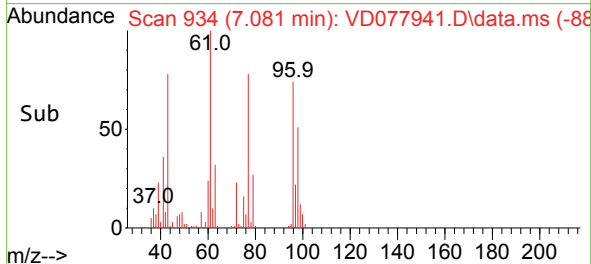
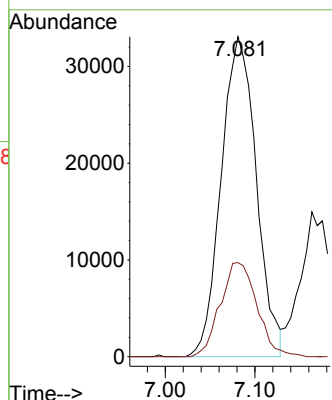
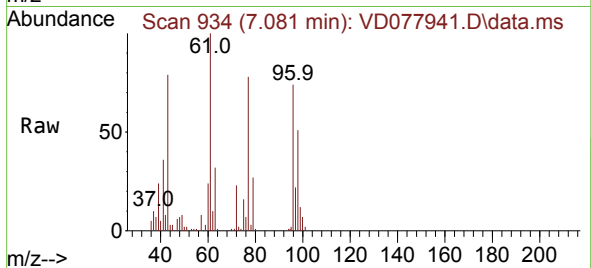
ClientSampleId :

Tgt Ion: 43 Resp: 89938

Ion Ratio Lower Upper

43 100

72 29.4 30.7 46.1#



#26

2,2-Dichloropropane

Concen: 44.792 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD077941.D

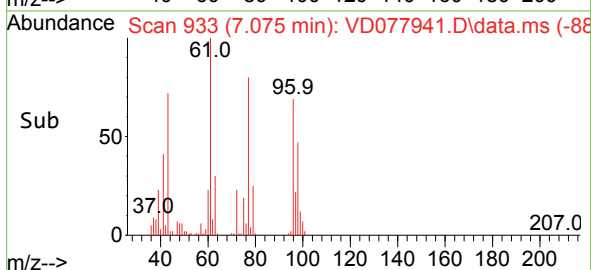
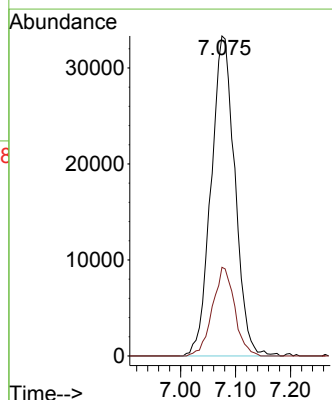
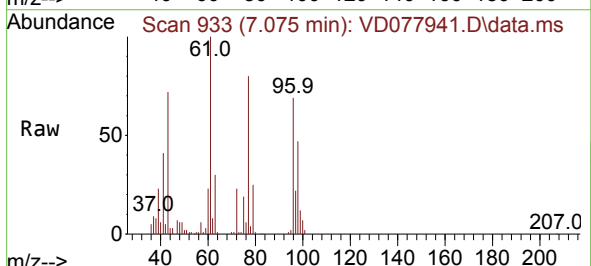
Acq: 16 Dec 2023 18:34

Tgt Ion: 77 Resp: 100240

Ion Ratio Lower Upper

77 100

97 25.8 13.2 39.6

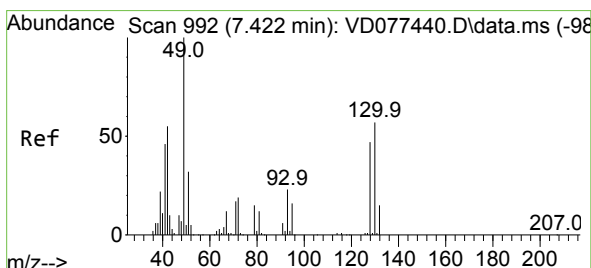
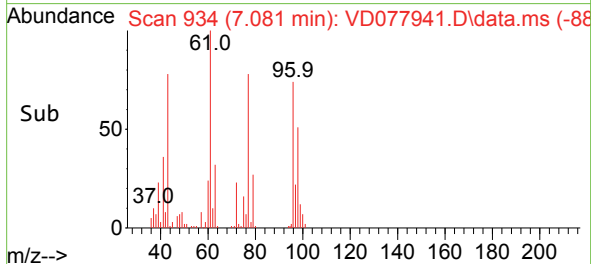
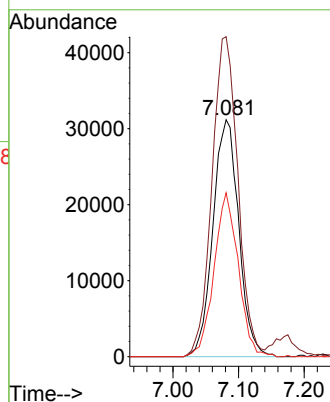
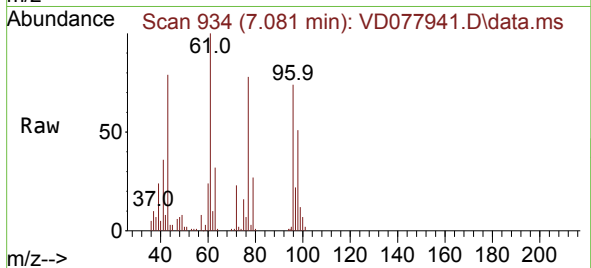




#27
 cis-1,2-Dichloroethene
 Concen: 51.026 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

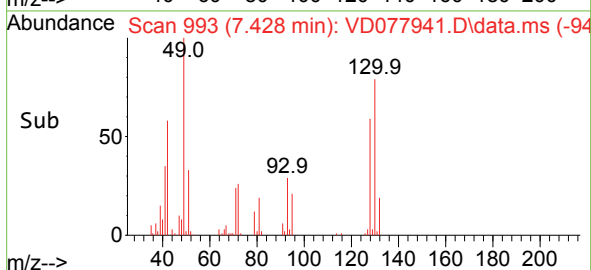
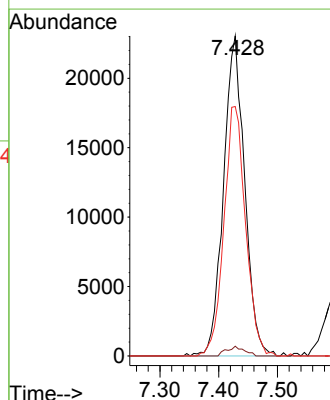
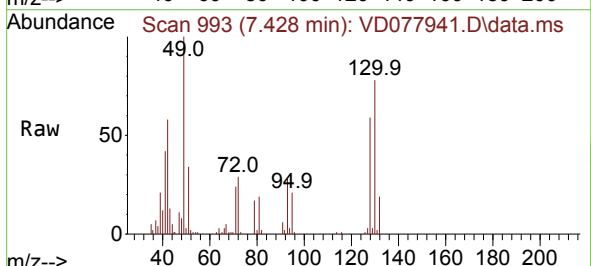
Instrument :
 MSVOA_D
 ClientSampleId :

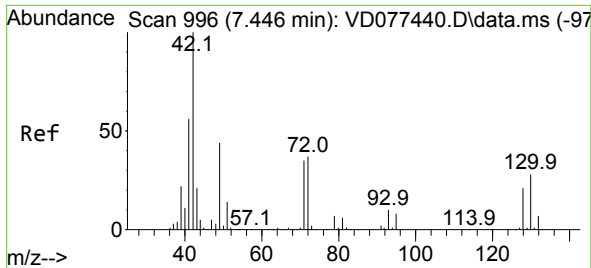
Tgt Ion: 96 Resp: 85165
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 239.2
 98 65.1 0.0 128.6



#28
 Bromochloromethane
 Concen: 53.509 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.006 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

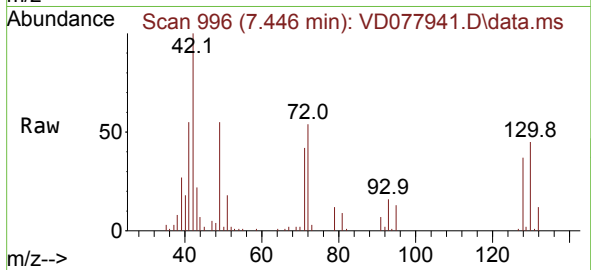
Tgt Ion: 49 Resp: 57631
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 6.0
 130 79.9 83.2 124.8#



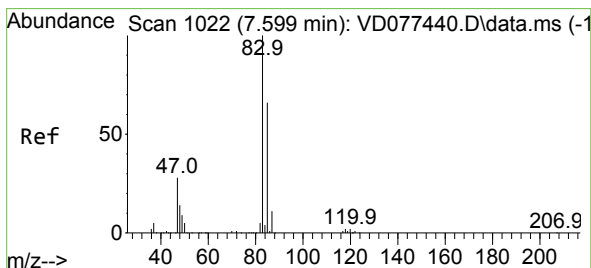
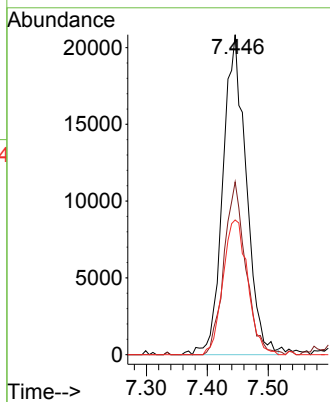
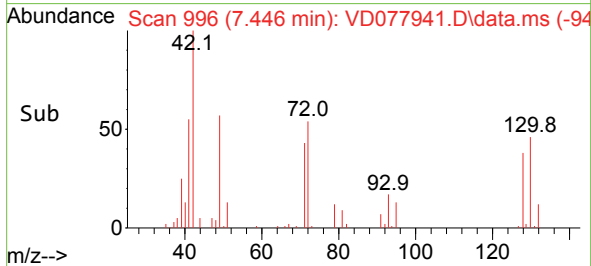


#29
Tetrahydrofuran
Concen: 259.532 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

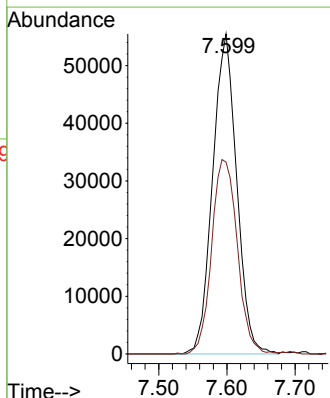
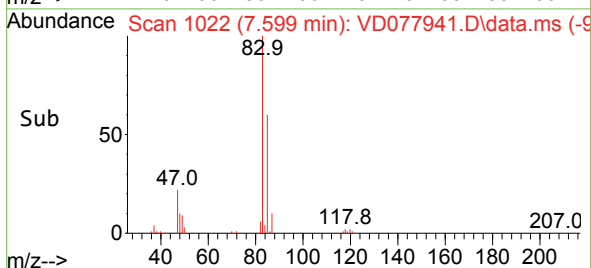
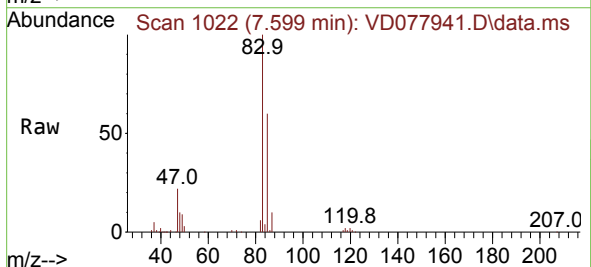


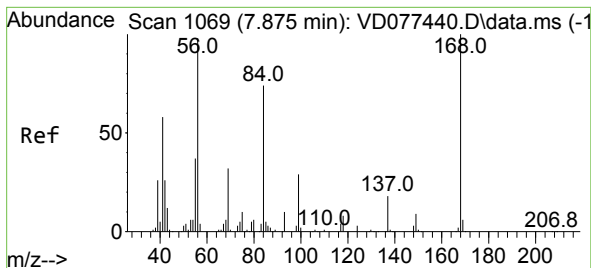
Tgt Ion: 42 Resp: 55482
Ion Ratio Lower Upper
42 100
72 50.3 46.5 69.7
71 44.6 44.5 66.7



#30
Chloroform
Concen: 51.154 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 83 Resp: 136459
Ion Ratio Lower Upper
83 100
85 59.7 53.4 80.2





#31

Cyclohexane

Concen: 40.555 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

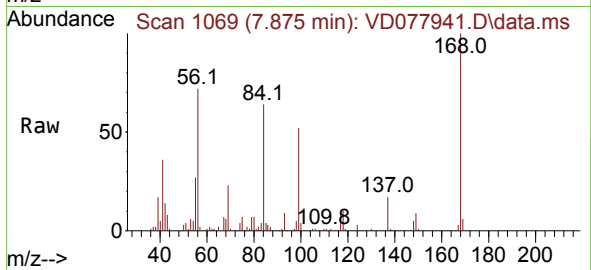
Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :



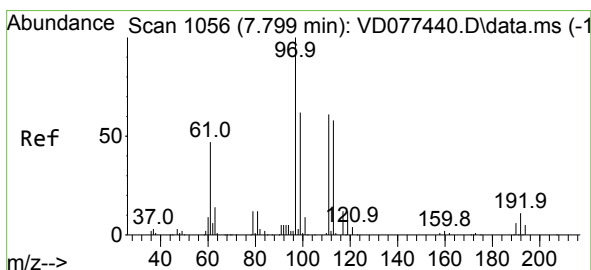
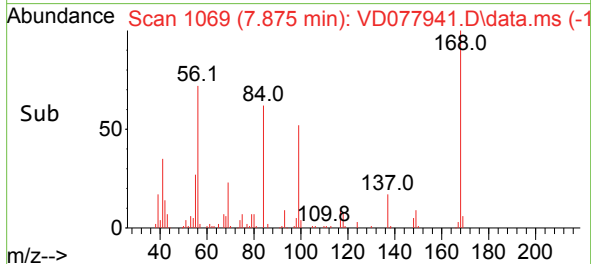
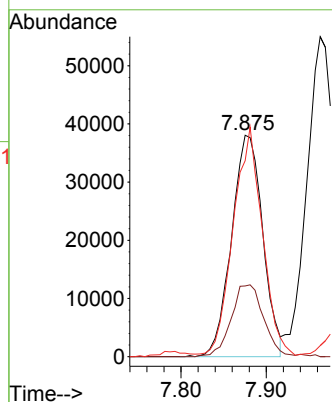
Tgt Ion: 56 Resp: 96838

Ion Ratio Lower Upper

56 100

69 32.0 28.6 43.0

84 87.0 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 46.233 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

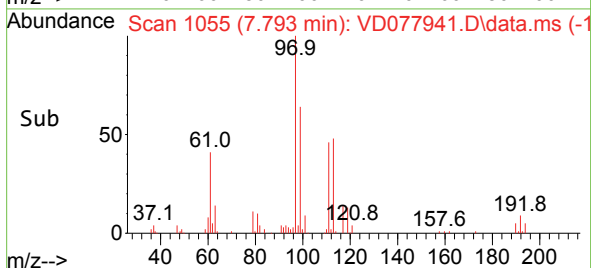
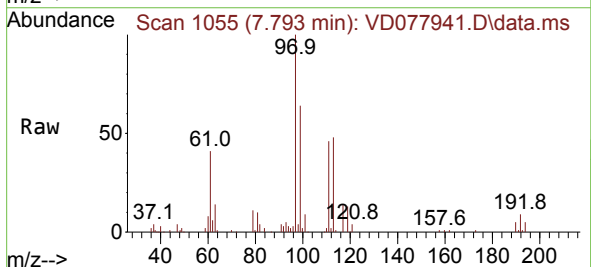
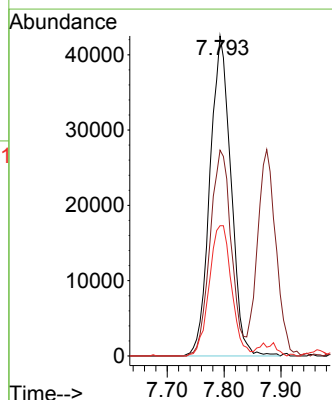
Tgt Ion: 97 Resp: 108725

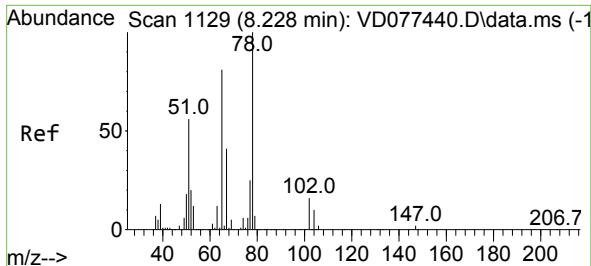
Ion Ratio Lower Upper

97 100

99 65.7 52.0 78.0

61 43.2 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 51.178 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

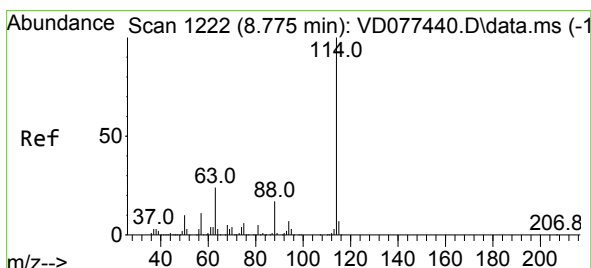
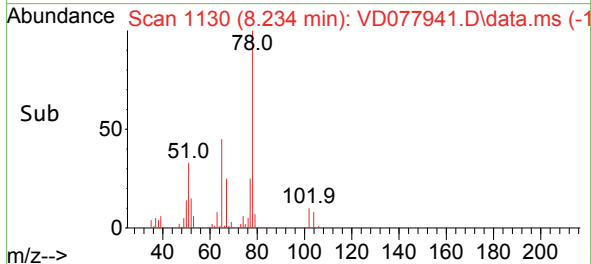
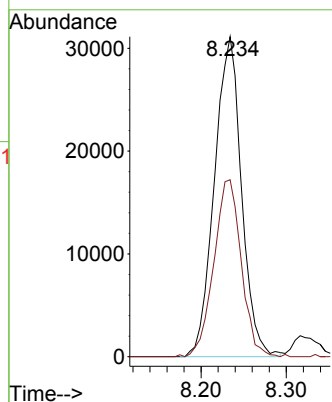
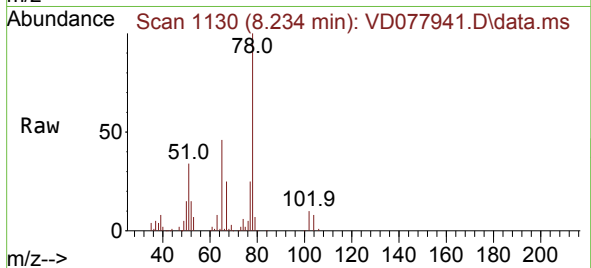
ClientSampleId :

Tgt Ion: 65 Resp: 68705

Ion Ratio Lower Upper

65 100

67 55.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

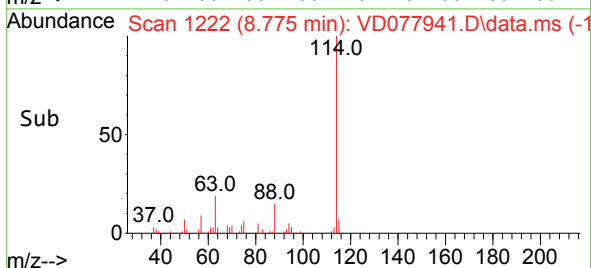
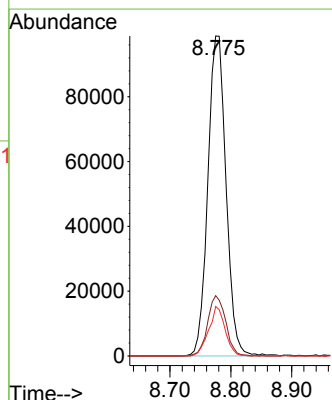
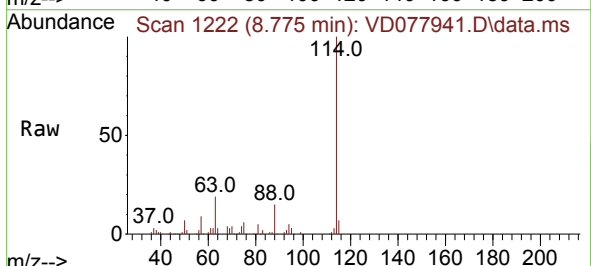
Tgt Ion: 114 Resp: 204753

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

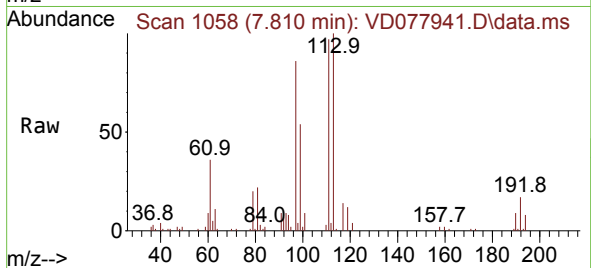
88 15.5 0.0 26.2



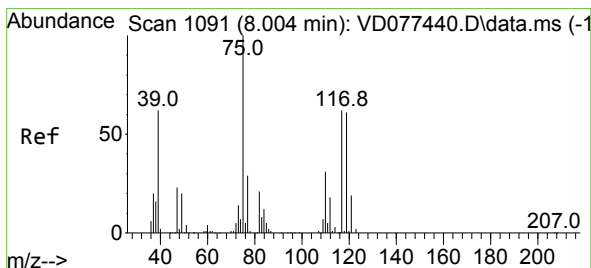
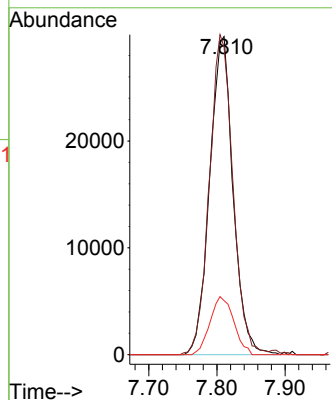
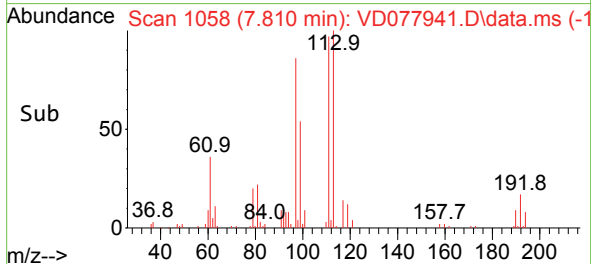


#35
Dibromofluoromethane
Concen: 49.585 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

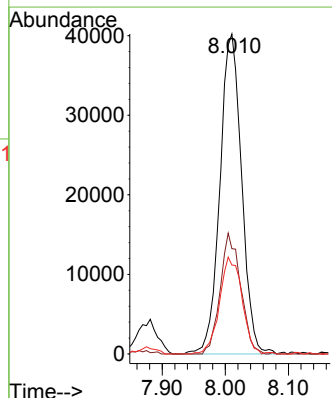
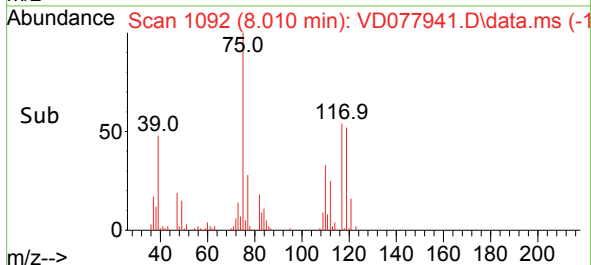
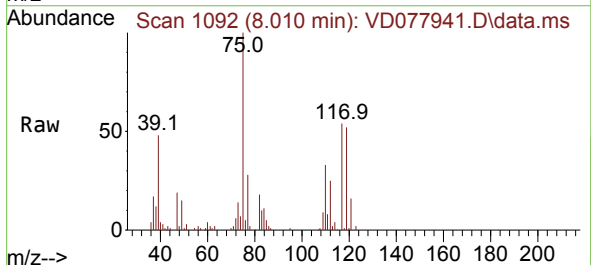


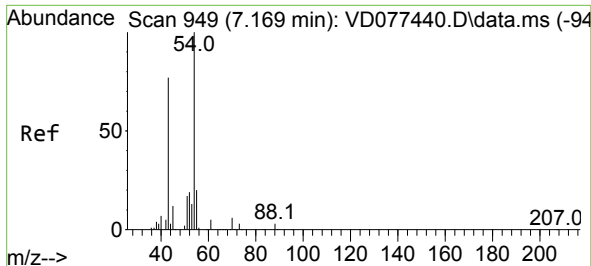
Tgt Ion:113 Resp: 71116
Ion Ratio Lower Upper
113 100
111 101.1 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 41.914 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

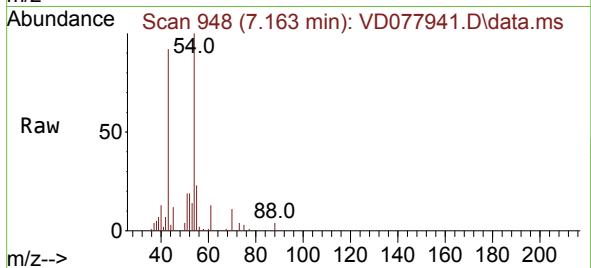
Tgt Ion: 75 Resp: 96156
Ion Ratio Lower Upper
75 100
110 35.5 19.9 59.6
77 31.3 24.7 37.1



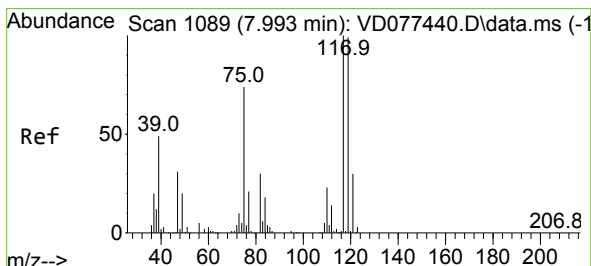
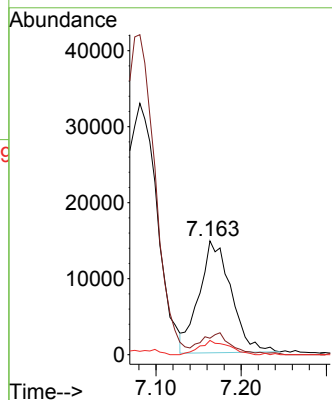
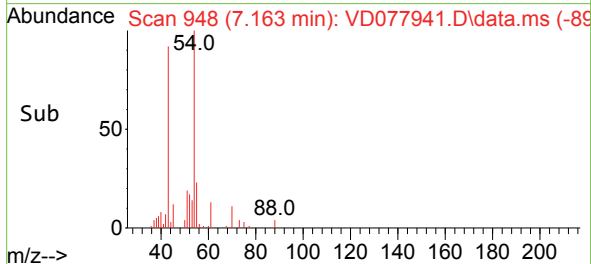


#37
Ethyl Acetate
Concen: 42.969 ug/l
RT: 7.163 min Scan# 949
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

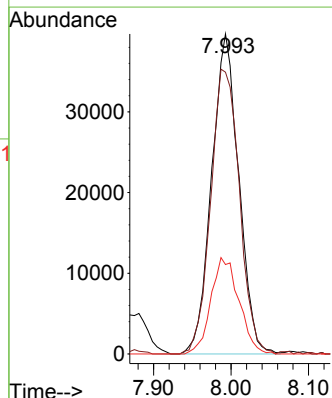
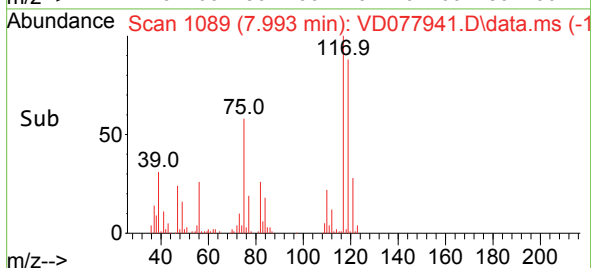
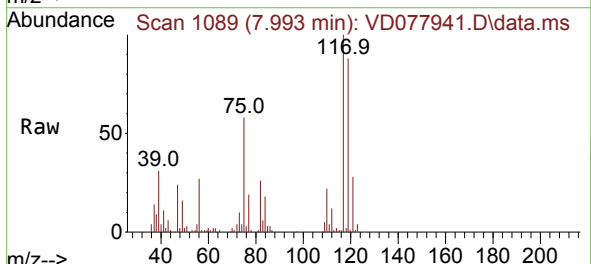


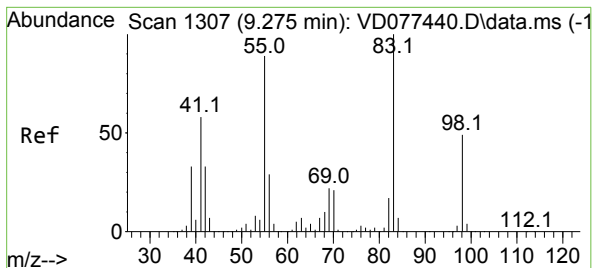
Tgt Ion: 43 Resp: 38437
Ion Ratio Lower Upper
43 100
61 18.4 14.9 22.3
70 11.5 10.0 15.0



#38
Carbon Tetrachloride
Concen: 42.124 ug/l
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 117 Resp: 96341
Ion Ratio Lower Upper
117 100
119 88.1 78.0 117.0
121 27.9 24.2 36.2





#39

Methylcyclohexane

Concen: 42.016 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

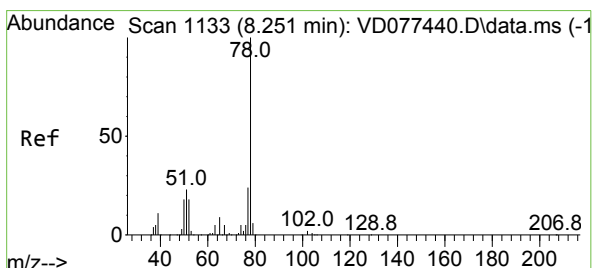
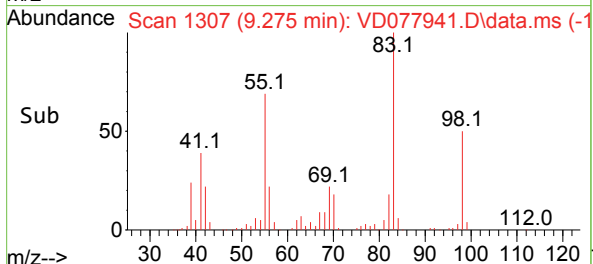
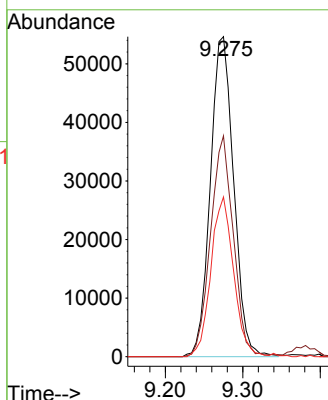
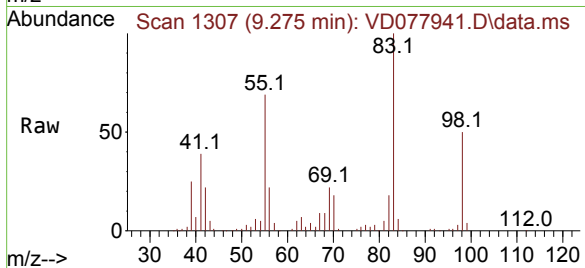
Tgt Ion: 83 Resp: 114269

Ion Ratio Lower Upper

83 100

55 69.0 49.4 74.0

98 49.9 38.4 57.6



#40

Benzene

Concen: 46.696 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.001 min

Lab File: VD077941.D

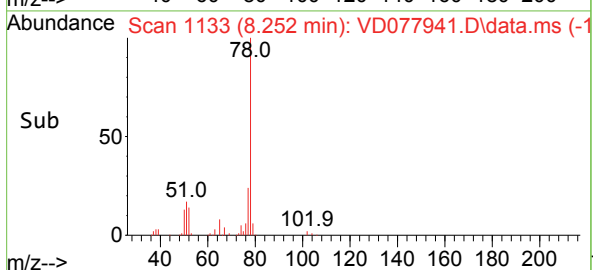
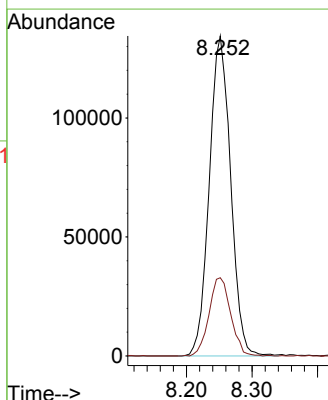
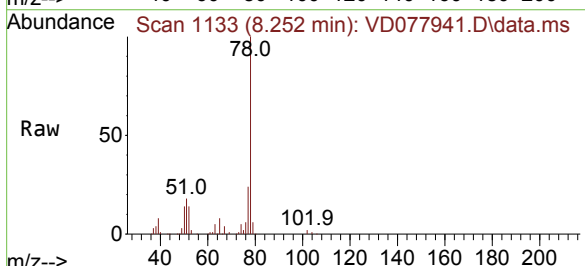
Acq: 16 Dec 2023 18:34

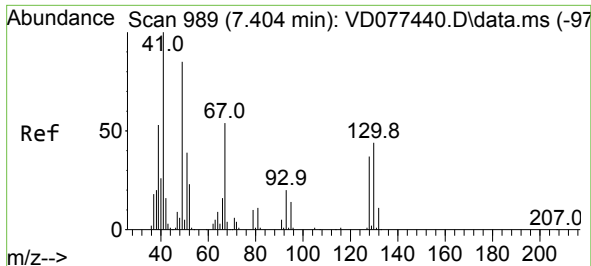
Tgt Ion: 78 Resp: 304045

Ion Ratio Lower Upper

78 100

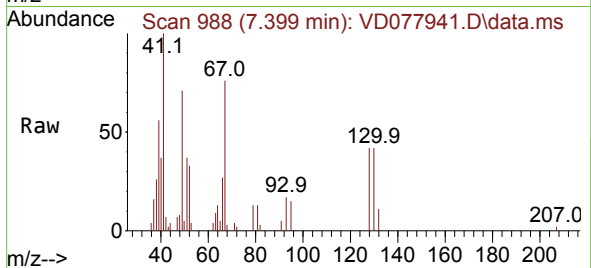
77 24.4 19.4 29.0



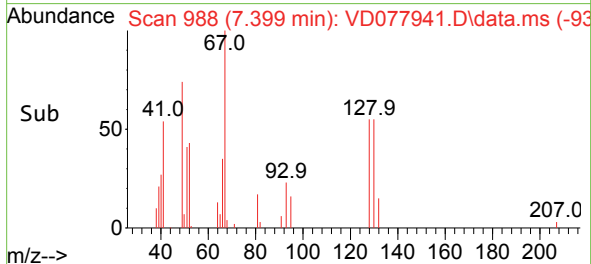
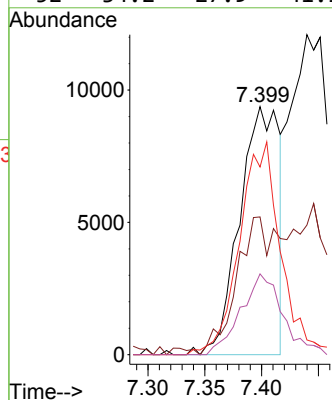


#41
Methacrylonitrile
Concen: 50.104 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.005 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

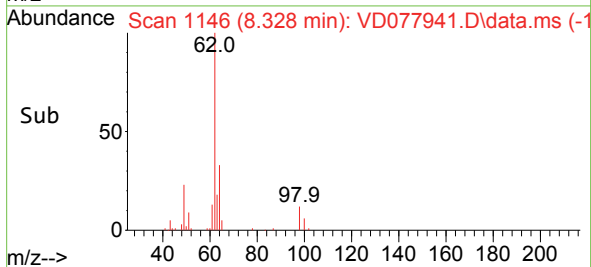
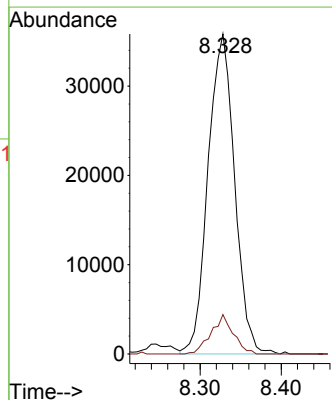
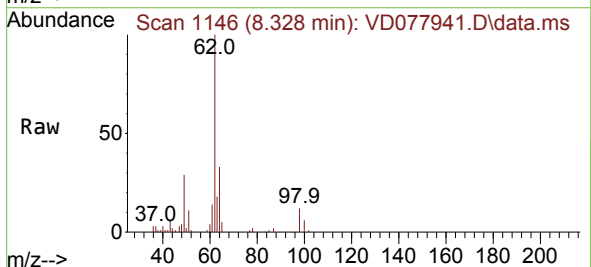


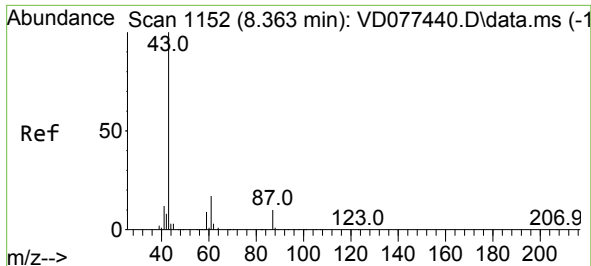
Tgt Ion: 41 Resp: 22780
Ion Ratio Lower Upper
41 100
39 42.2 34.0 51.0
67 88.1 77.0 115.4
52 34.2 27.9 41.9



#42
1,2-Dichloroethane
Concen: 48.289 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 62 Resp: 81502
Ion Ratio Lower Upper
62 100
98 10.3 0.0 25.4

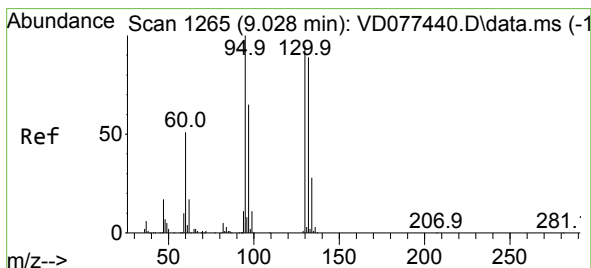
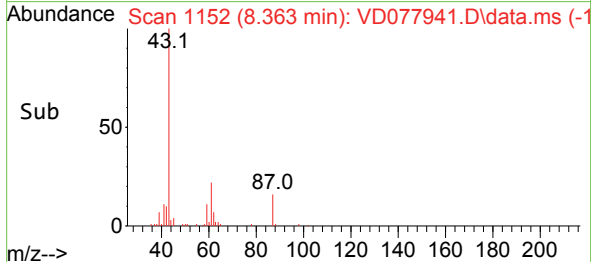
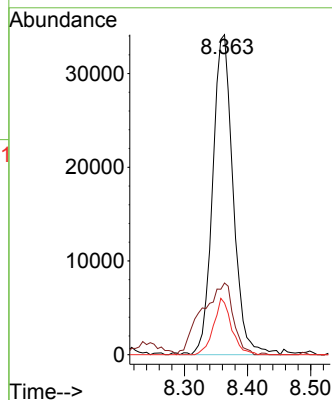
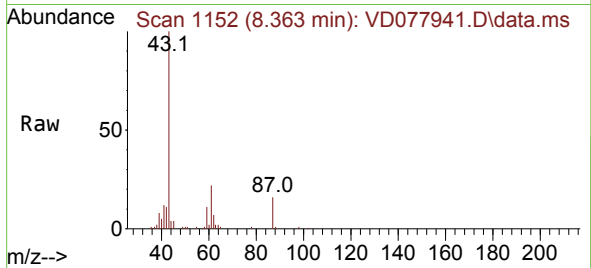




#43
Isopropyl Acetate
Concen: 48.218 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

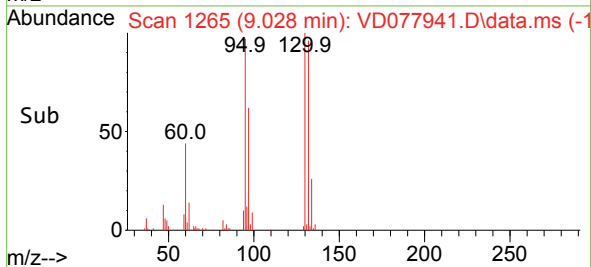
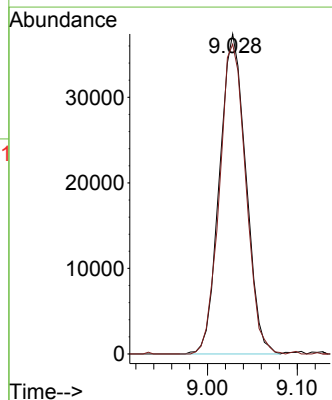
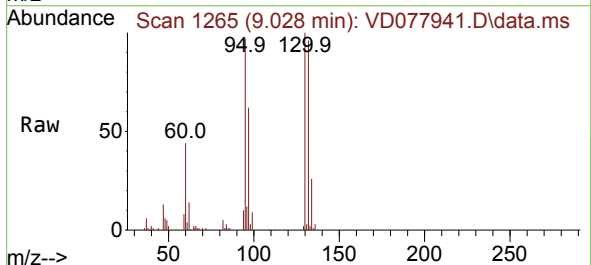
Instrument :
MSVOA_D
ClientSampleId :

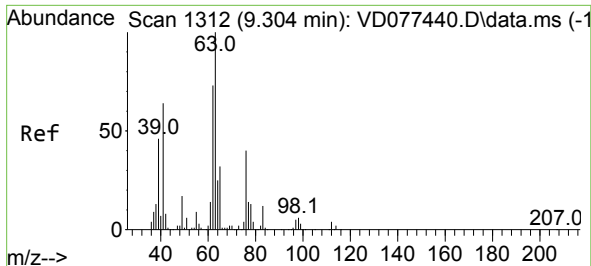
Tgt Ion: 43 Resp: 76673
Ion Ratio Lower Upper
43 100
61 34.3 31.4 47.0
87 15.4 14.9 22.3



#44
Trichloroethene
Concen: 44.969 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:130 Resp: 76303
Ion Ratio Lower Upper
130 100
95 96.8 0.0 179.2





#45

1,2-Dichloropropane

Concen: 48.605 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

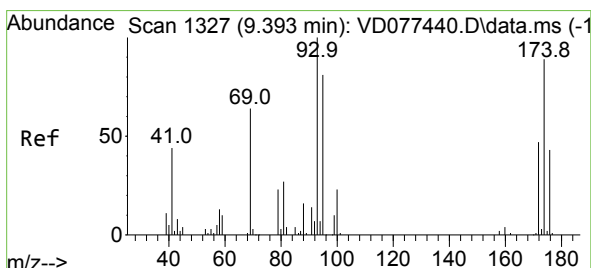
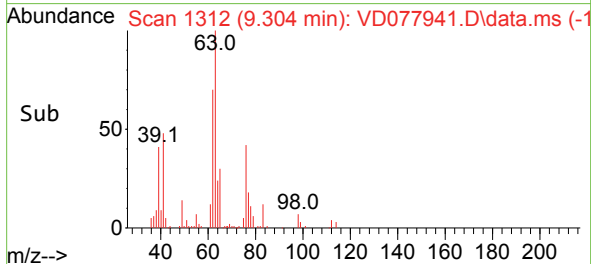
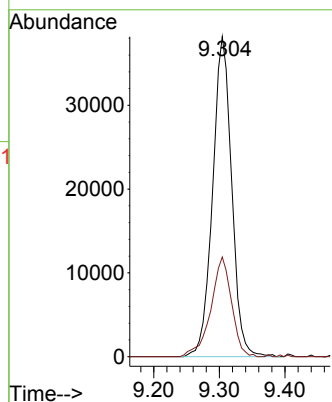
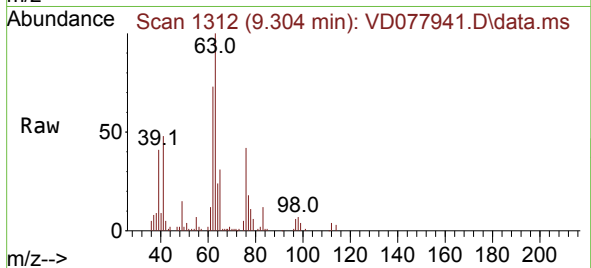
ClientSampleId :

Tgt Ion: 63 Resp: 76934

Ion Ratio Lower Upper

63 100

65 31.2 24.5 36.7



#46

Dibromomethane

Concen: 50.999 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

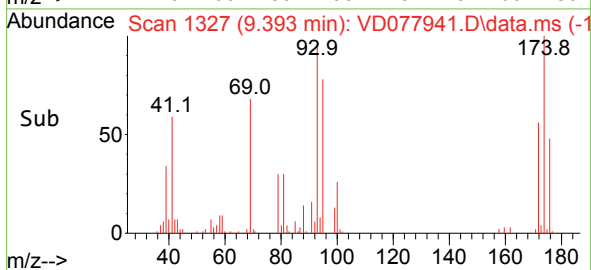
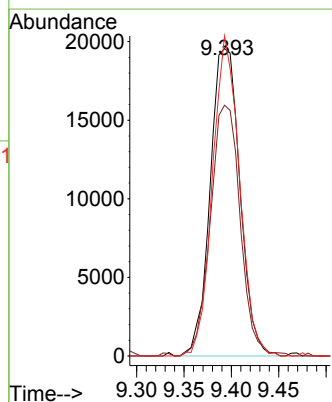
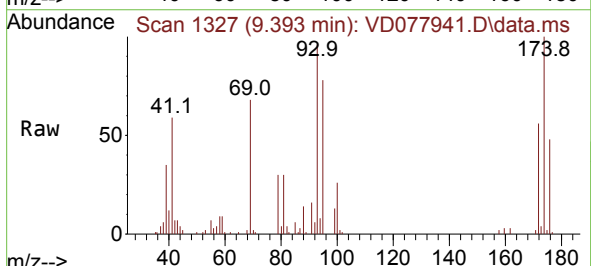
Tgt Ion: 93 Resp: 42712

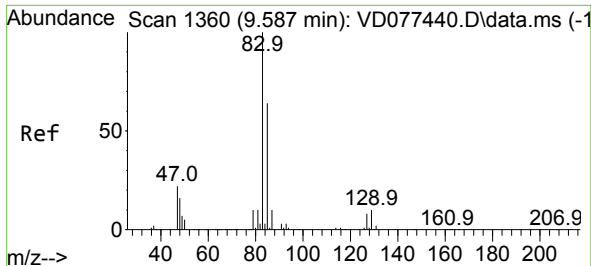
Ion Ratio Lower Upper

93 100

95 81.8 67.7 101.5

174 94.3 85.4 128.2

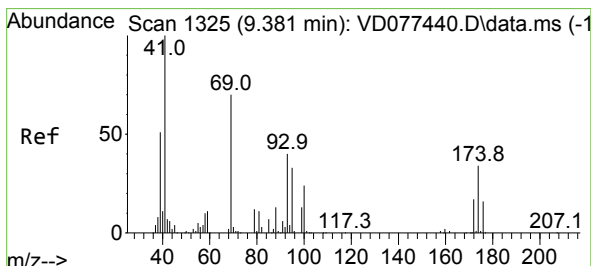
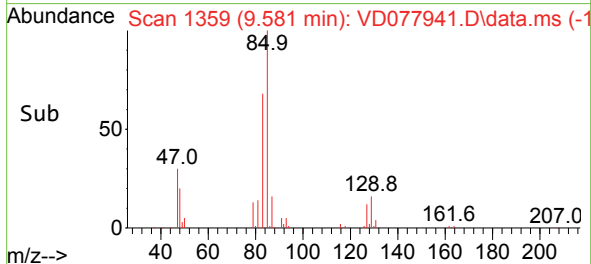
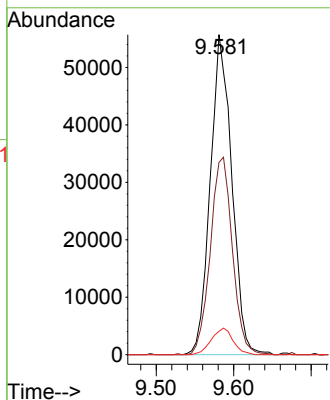
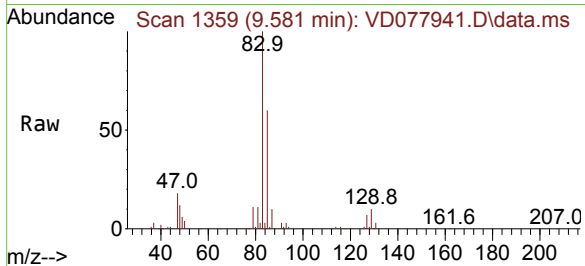




#47
Bromodichloromethane
Concen: 50.530 ug/l
RT: 9.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

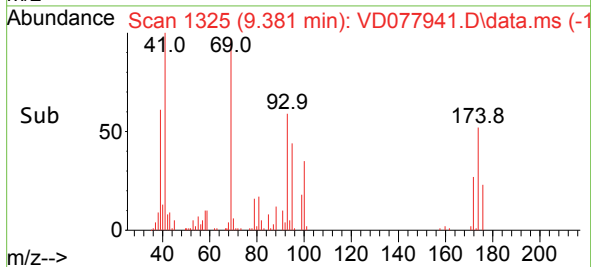
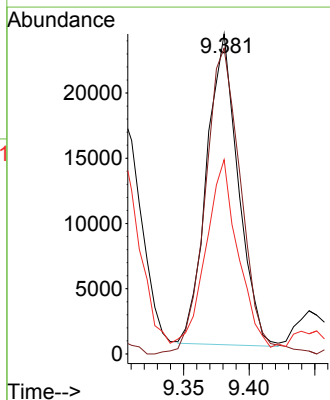
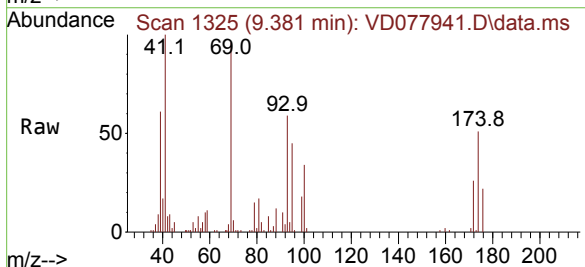
Instrument :
MSVOA_D
ClientSampleId :

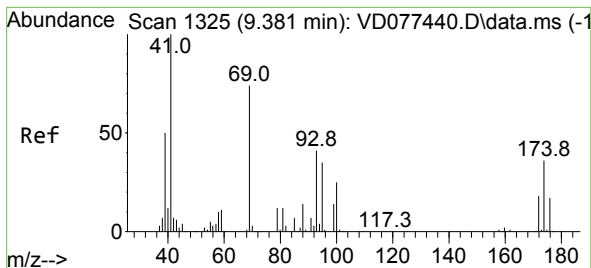
Tgt Ion: 83 Resp: 107266
Ion Ratio Lower Upper
83 100
85 60.1 50.2 75.4
127 7.3 6.3 9.5



#48
Methyl methacrylate
Concen: 44.135 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 41 Resp: 39894
Ion Ratio Lower Upper
41 100
69 111.4 102.2 153.2
39 60.3 41.4 62.2





#49

1,4-Dioxane

Concen: 910.031 ug/l

RT: 9.387 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

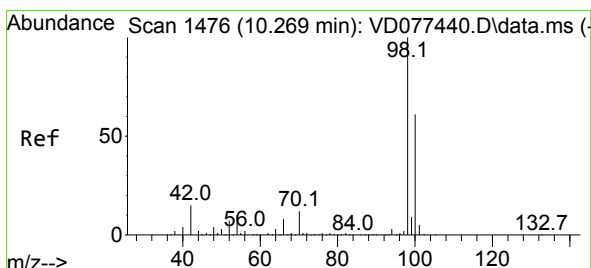
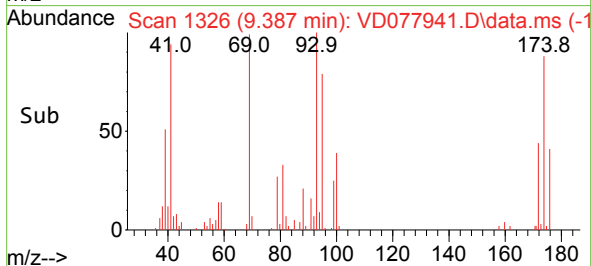
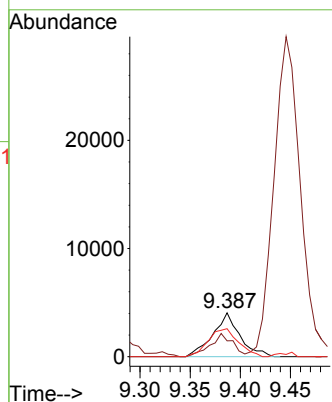
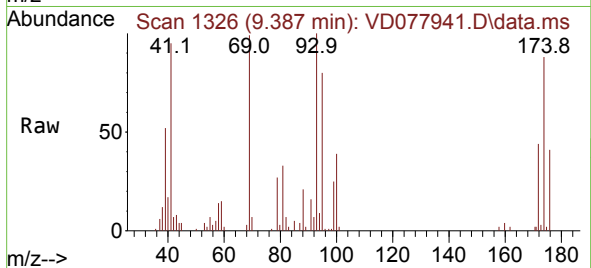
Tgt Ion: 88 Resp: 7568

Ion Ratio Lower Upper

88 100

43 43.8 19.0 28.6#

58 71.4 43.5 65.3#



#50

Toluene-d8

Concen: 48.873 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077941.D

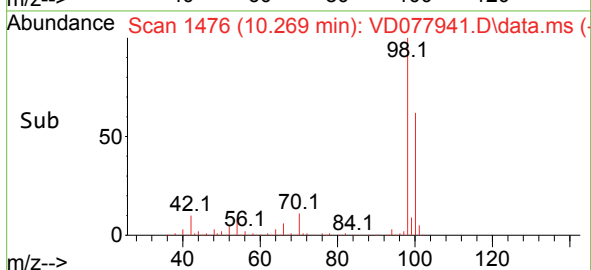
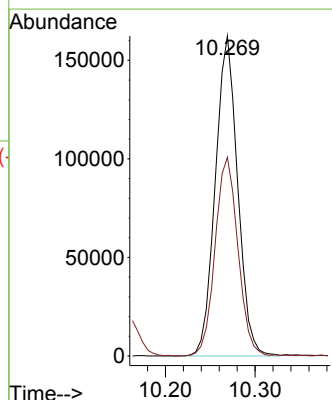
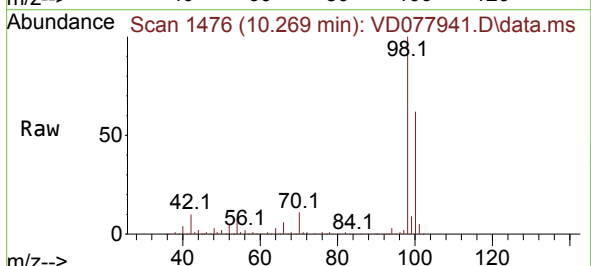
Acq: 16 Dec 2023 18:34

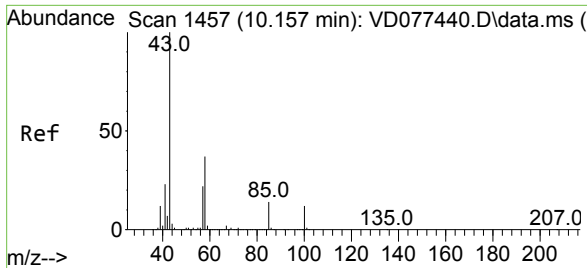
Tgt Ion: 98 Resp: 280740

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

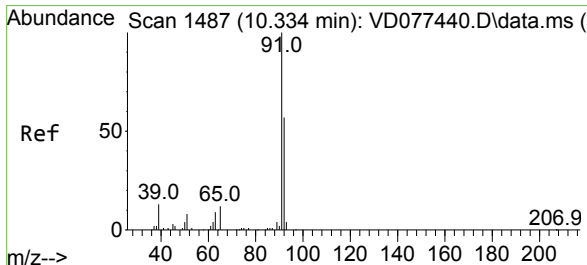
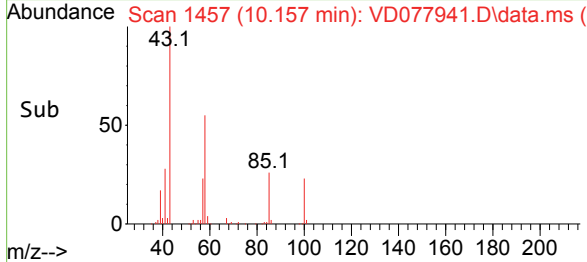
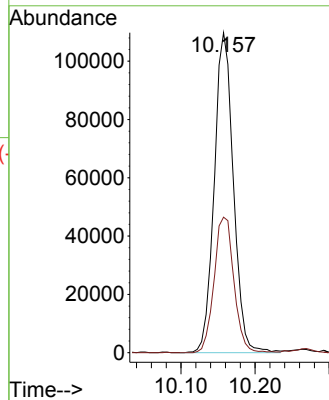
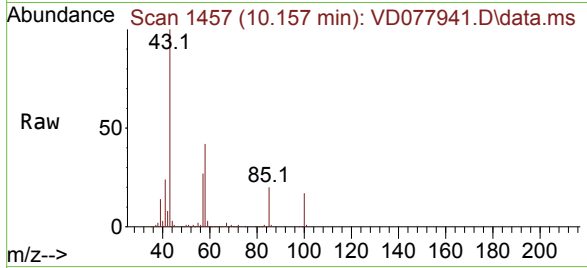




#51
4-Methyl-2-Pentanone
Concen: 242.645 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

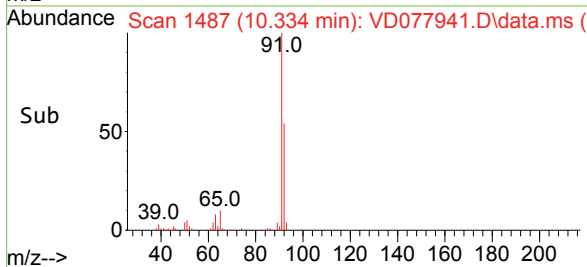
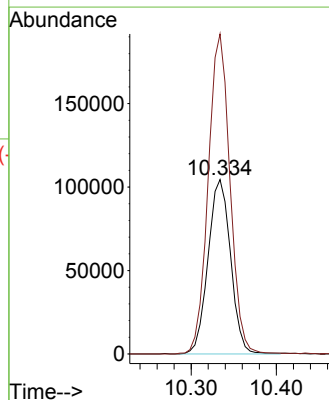
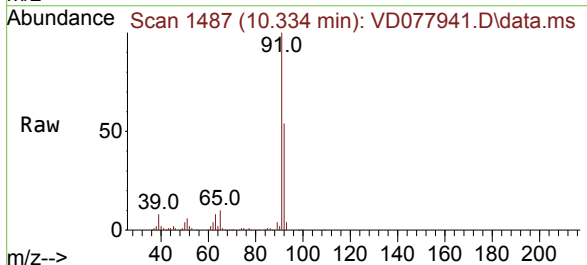
Instrument :
MSVOA_D
ClientSampleId :

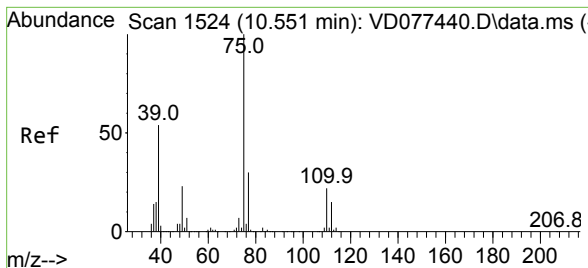
Tgt Ion: 43 Resp: 196917
Ion Ratio Lower Upper
43 100
58 43.9 38.9 58.3



#52
Toluene
Concen: 47.522 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 92 Resp: 191938
Ion Ratio Lower Upper
92 100
91 177.8 143.0 214.4

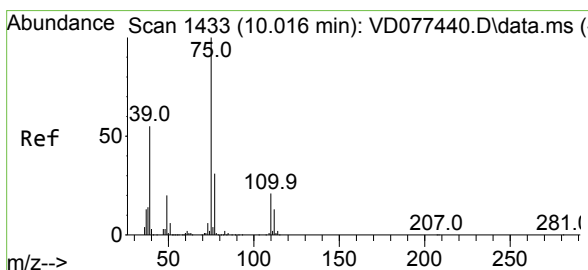
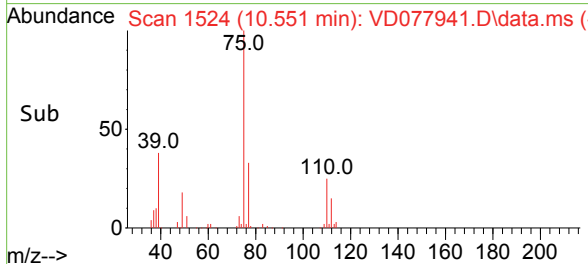
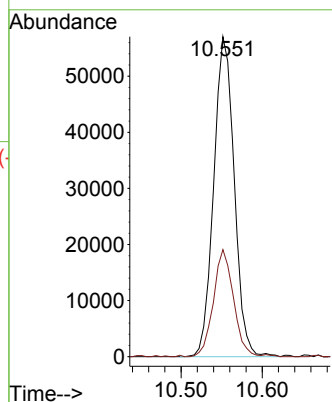
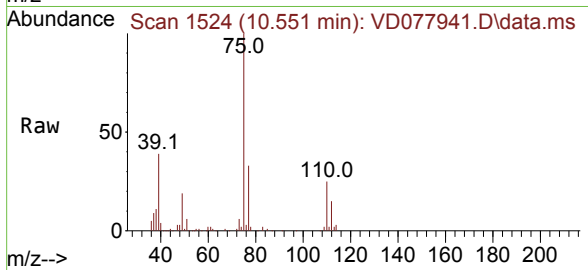




#53
 t-1,3-Dichloropropene
 Concen: 49.152 ug/l
 RT: 10.551 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

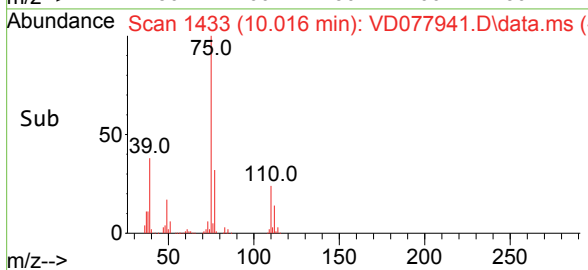
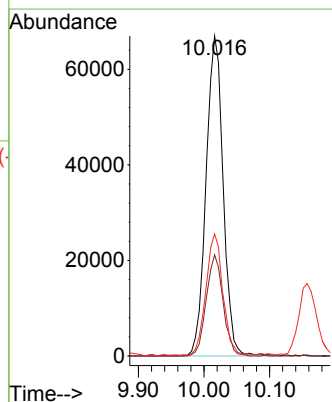
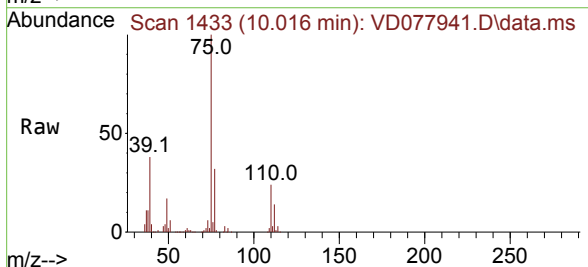
Instrument :
 MSVOA_D
 ClientSampleId :

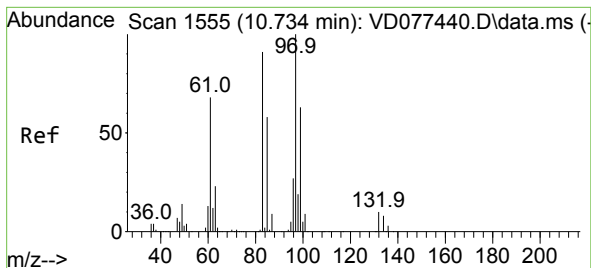
Tgt Ion: 75 Resp: 100197
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 49.425 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

Tgt Ion: 75 Resp: 121814
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 37.9 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 51.952 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 59515

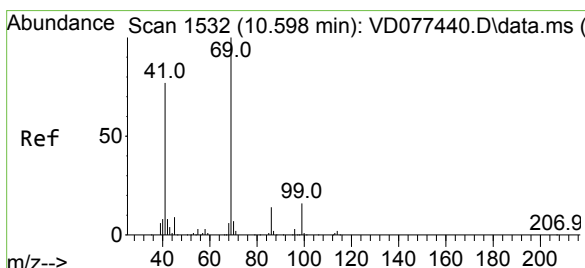
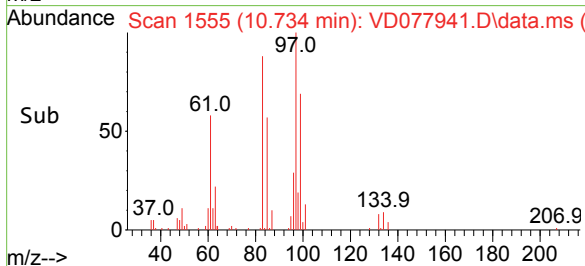
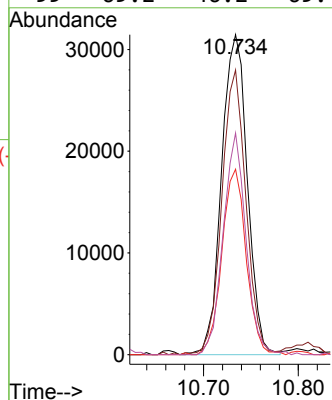
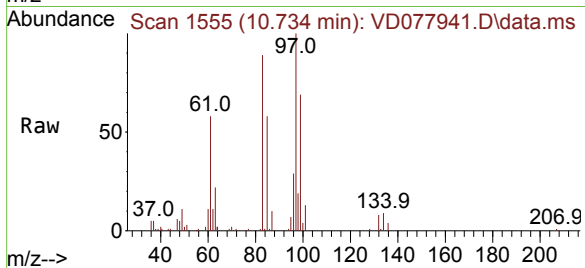
Ion Ratio Lower Upper

97 100

83 88.9 65.8 98.6

85 57.9 45.7 68.5

99 69.2 46.2 69.4



#56

Ethyl methacrylate

Concen: 51.469 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

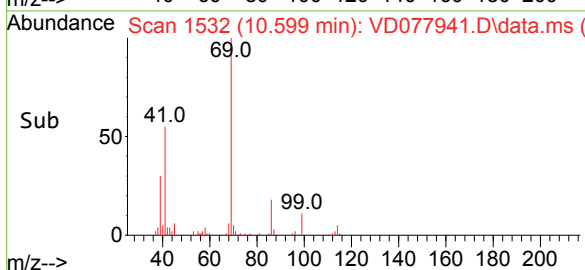
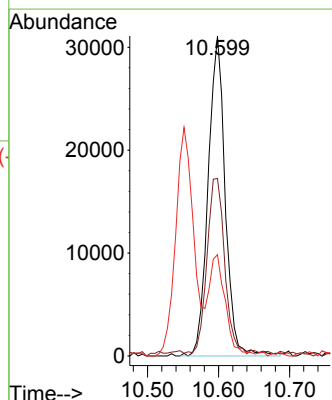
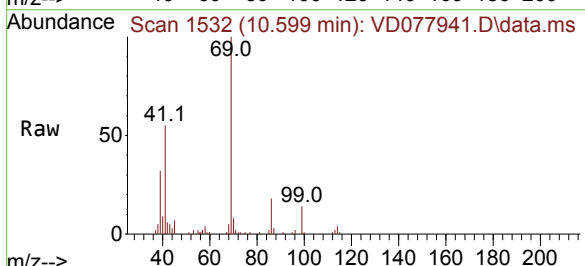
Tgt Ion: 69 Resp: 51977

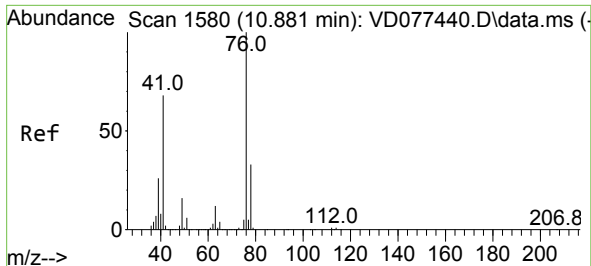
Ion Ratio Lower Upper

69 100

41 56.6 39.1 58.7

39 28.3 20.0 30.0

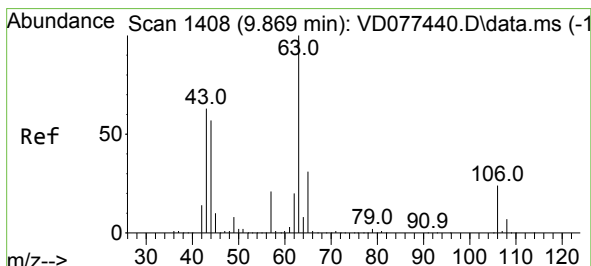
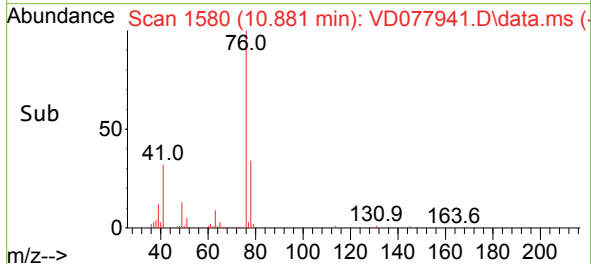
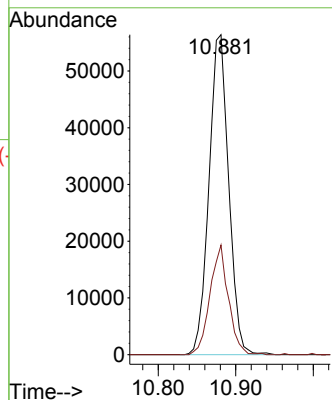
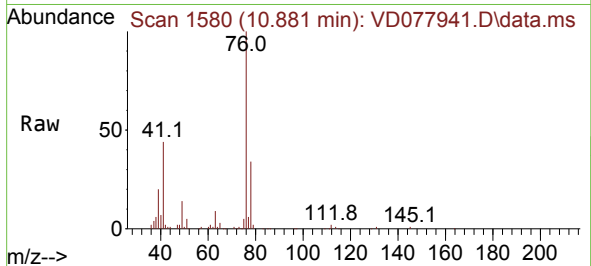




#57
1,3-Dichloropropane
Concen: 50.436 ug/l
RT: 10.881 min Scan# 1580
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

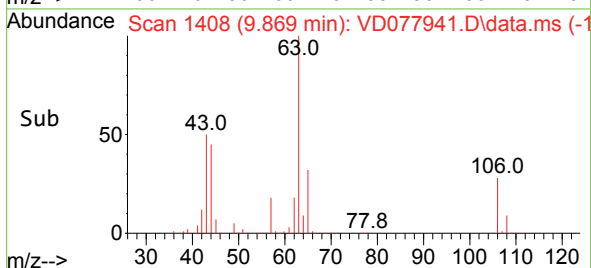
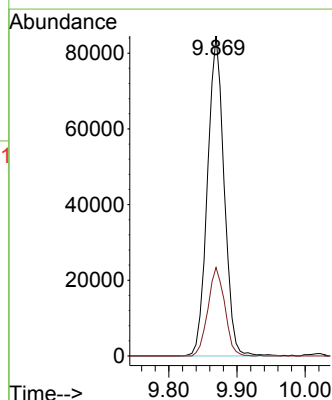
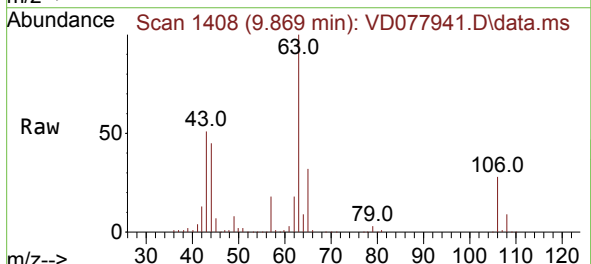
Instrument :
MSVOA_D
ClientSampleId :

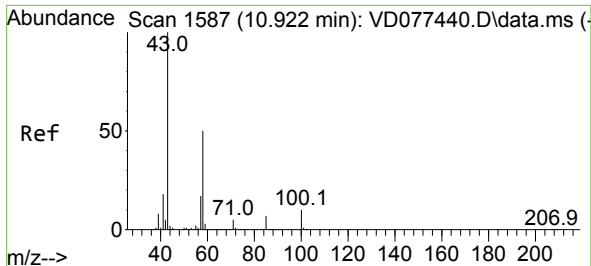
Tgt Ion: 76 Resp: 99594
Ion Ratio Lower Upper
76 100
78 32.0 26.4 39.6



#58
2-Chloroethyl Vinyl ether
Concen: 250.038 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

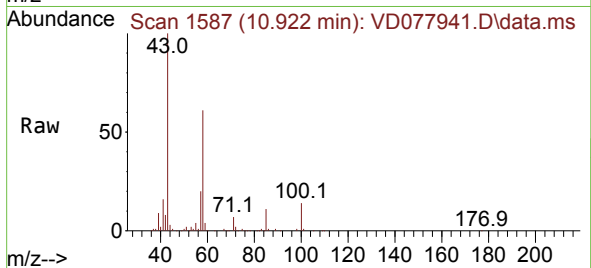
Tgt Ion: 63 Resp: 143997
Ion Ratio Lower Upper
63 100
106 27.8 25.3 37.9



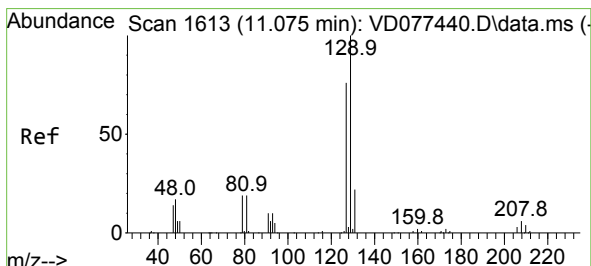
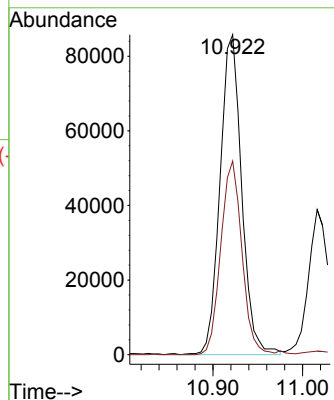
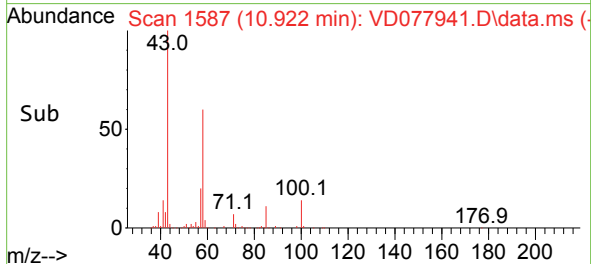


#59
2-Hexanone
Concen: 213.410 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

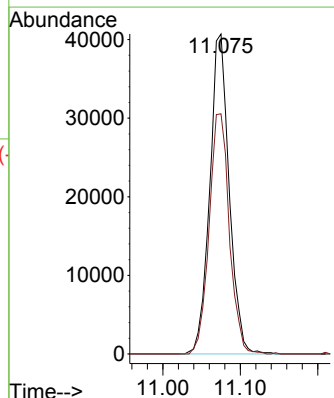
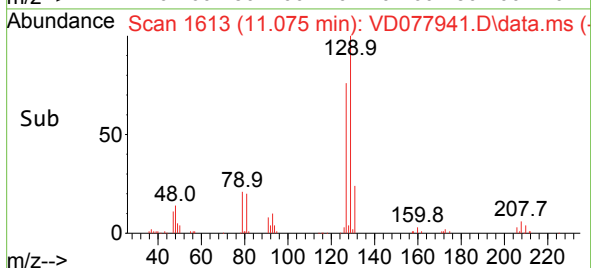
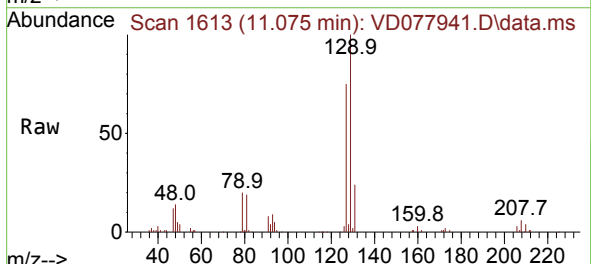


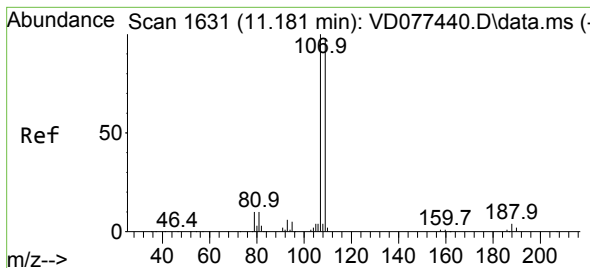
Tgt Ion: 43 Resp: 143688
Ion Ratio Lower Upper
43 100
58 59.0 34.1 102.2



#60
Dibromochloromethane
Concen: 51.513 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:129 Resp: 71049
Ion Ratio Lower Upper
129 100
127 78.0 37.1 111.5

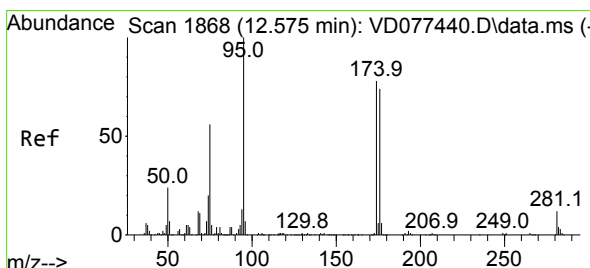
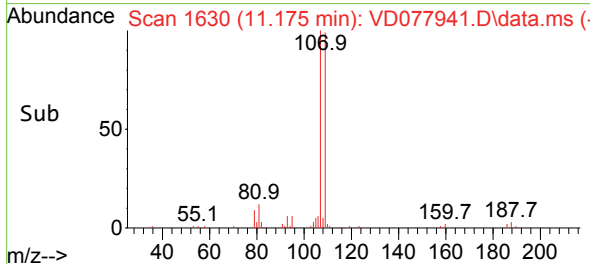
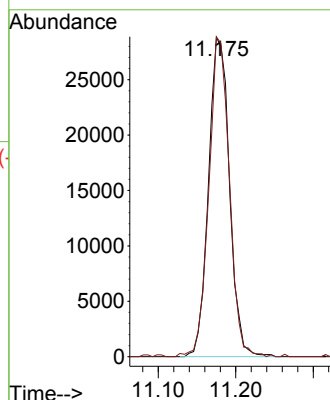
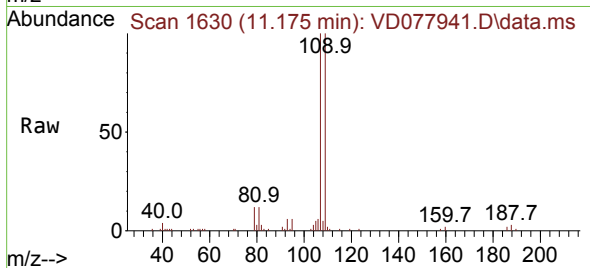




#61
1,2-Dibromoethane
Concen: 50.162 ug/l
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

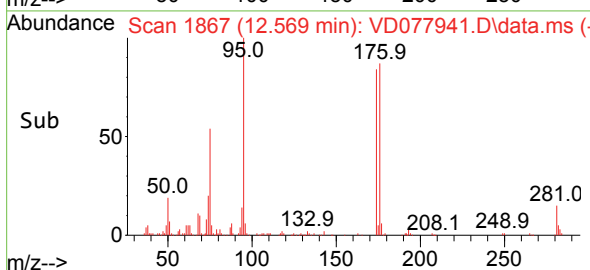
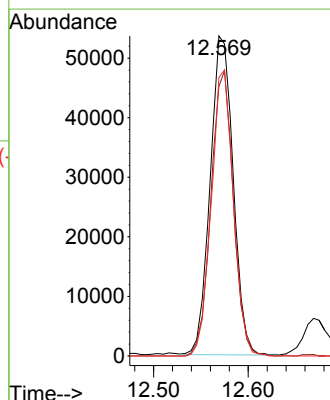
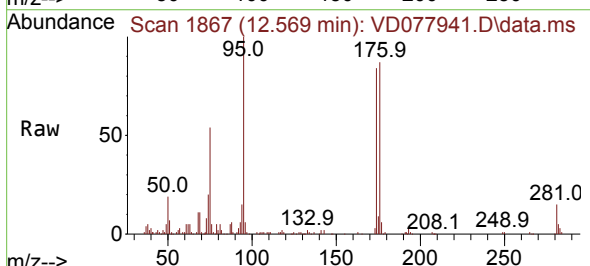
Instrument :
MSVOA_D
ClientSampleId :

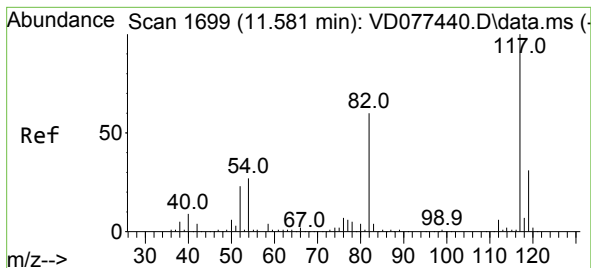
Tgt Ion:107 Resp: 54093
Ion Ratio Lower Upper
107 100
109 98.0 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 52.530 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 95 Resp: 90214
Ion Ratio Lower Upper
95 100
174 87.3 0.0 201.8
176 86.0 0.0 191.8

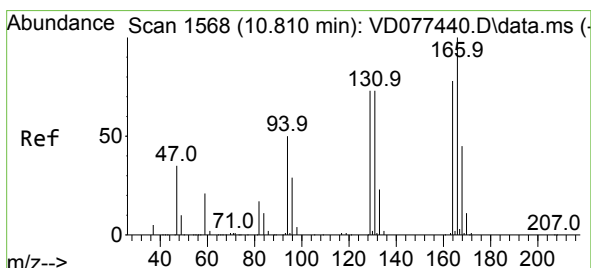
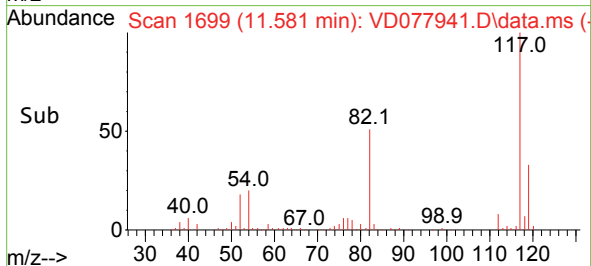
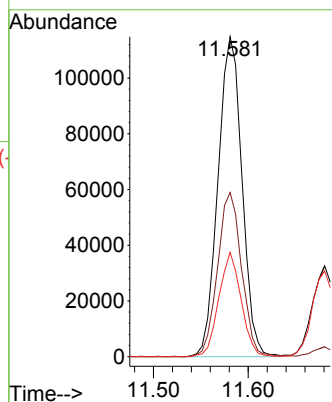
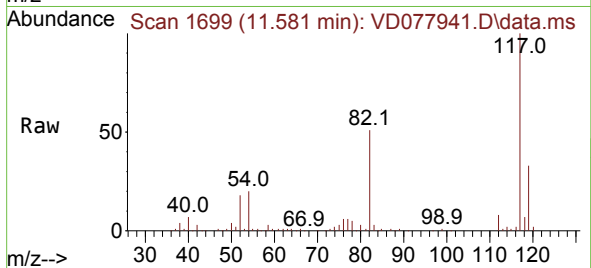




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

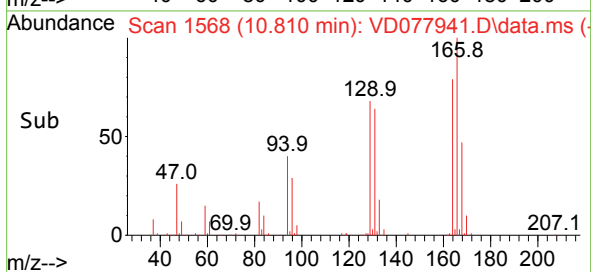
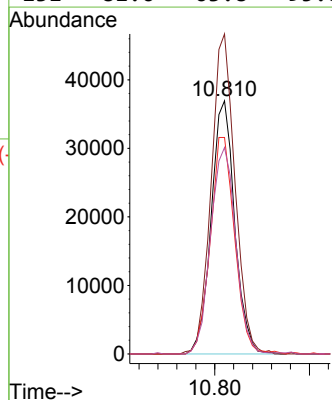
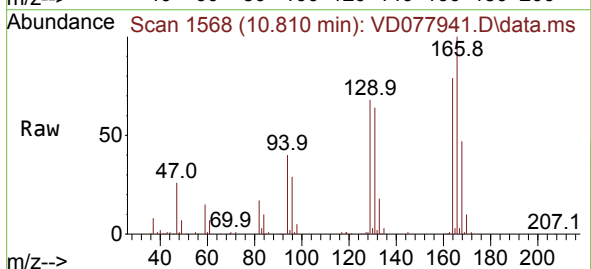
Instrument :
MSVOA_D
ClientSampleId :

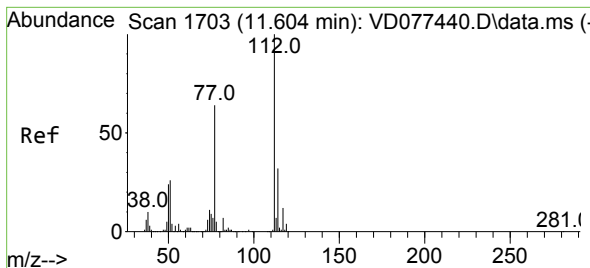
Tgt Ion:117 Resp: 202438
Ion Ratio Lower Upper
117 100
82 51.3 38.3 57.5
119 32.6 25.0 37.4



#64
Tetrachloroethene
Concen: 42.639 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:164 Resp: 63443
Ion Ratio Lower Upper
164 100
166 126.5 99.2 148.8
129 85.5 68.4 102.6
131 81.6 63.8 95.8





#65

Chlorobenzene

Concen: 43.565 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

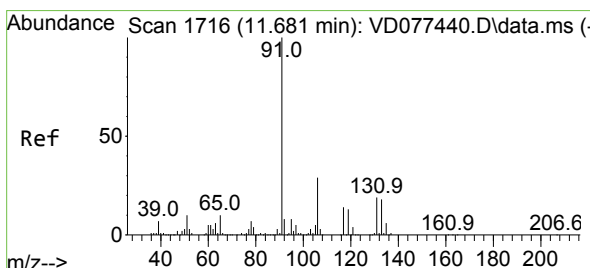
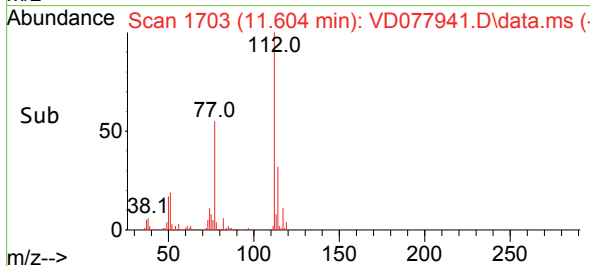
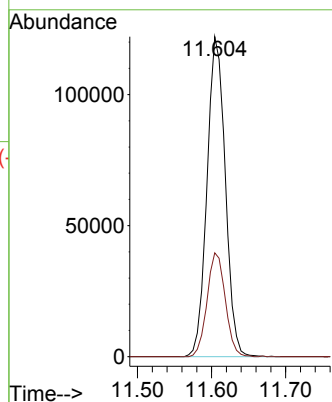
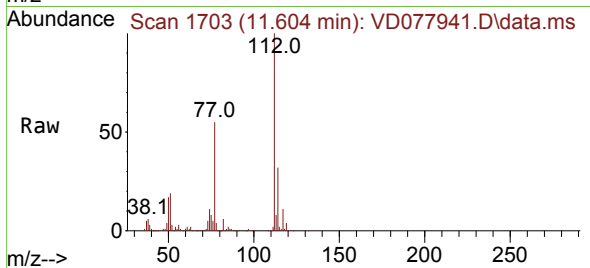
ClientSampleId :

Tgt Ion:112 Resp: 209036

Ion Ratio Lower Upper

112 100

114 32.4 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 46.236 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

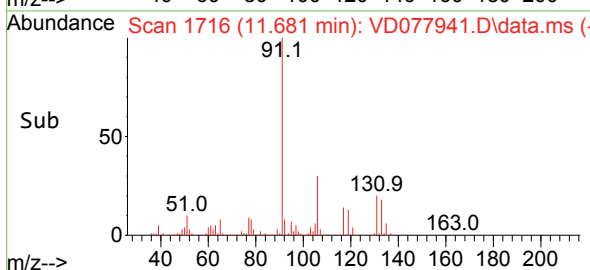
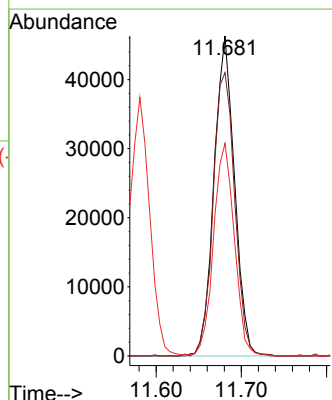
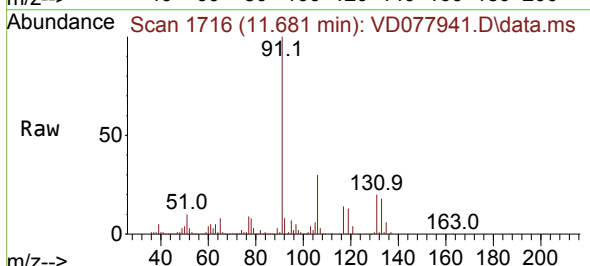
Tgt Ion:131 Resp: 77834

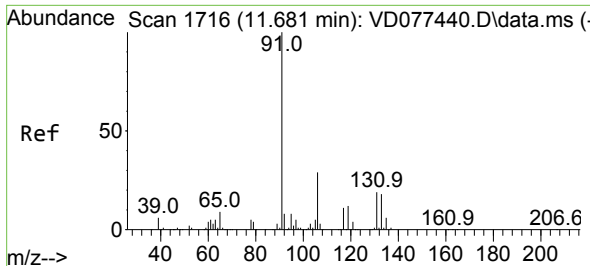
Ion Ratio Lower Upper

131 100

133 93.3 48.5 145.5

119 67.0 35.6 106.9

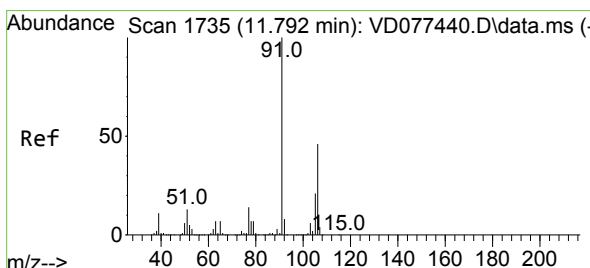
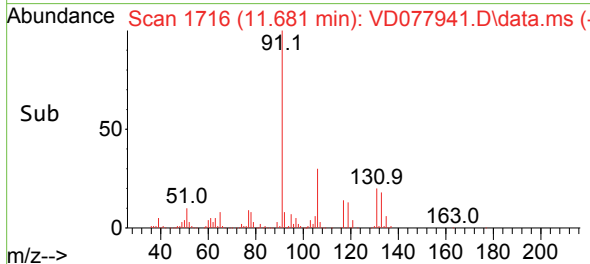
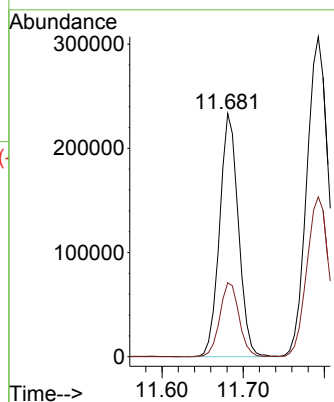
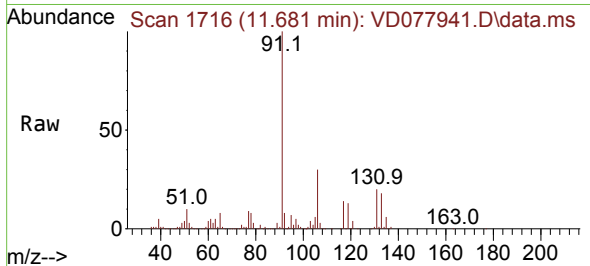




#67
Ethyl Benzene
Concen: 44.617 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

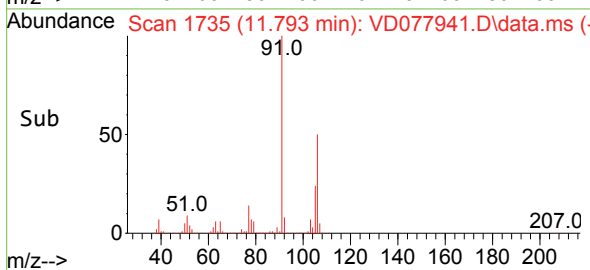
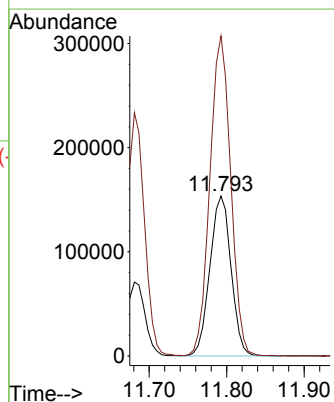
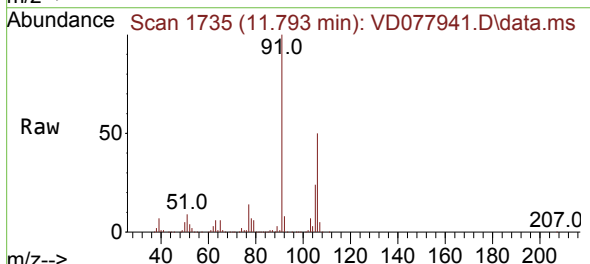
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 91 Resp: 376035
Ion Ratio Lower Upper
91 100
106 30.4 26.5 39.7



#68
m/p-Xylenes
Concen: 90.196 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.001 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:106 Resp: 290774
Ion Ratio Lower Upper
106 100
91 196.8 147.0 220.6

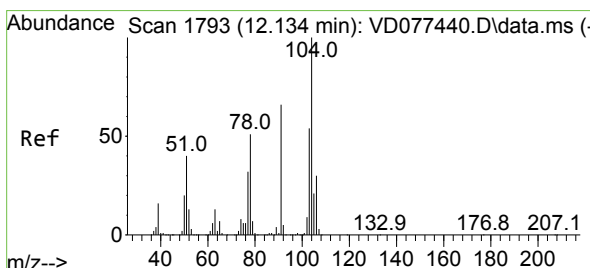
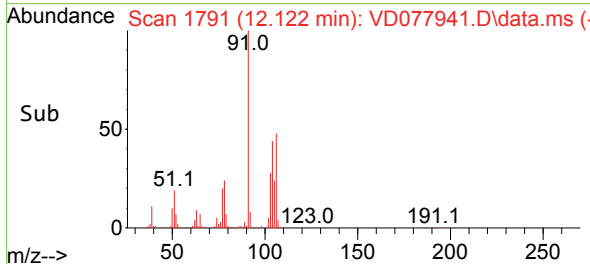
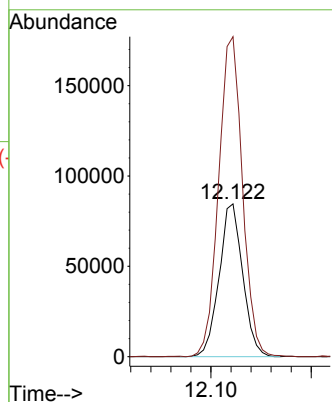
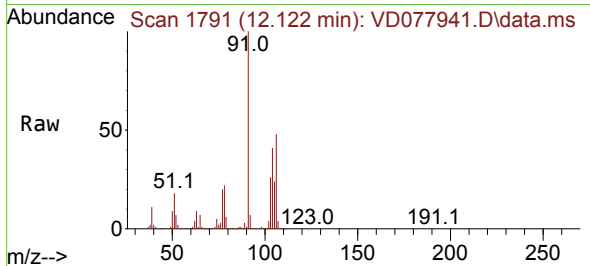




#69
o-Xylene
Concen: 46.428 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

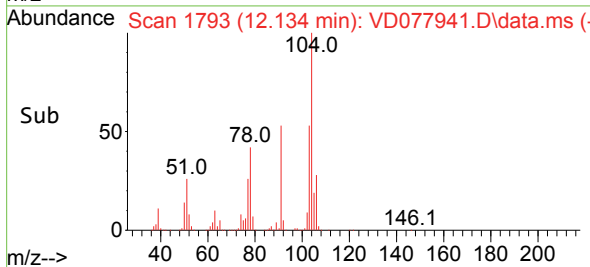
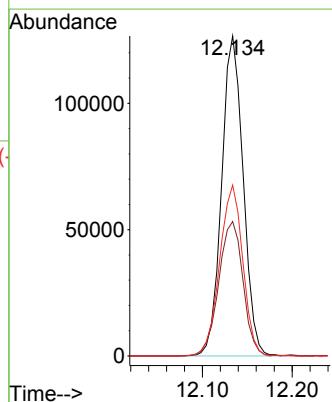
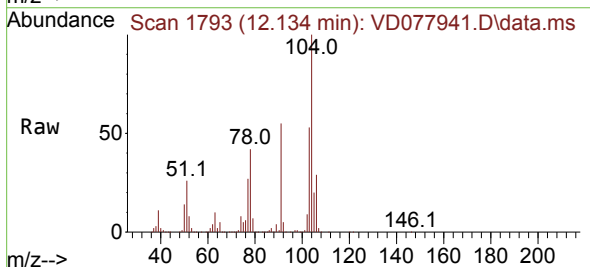
Instrument :
MSVOA_D
ClientSampleId :

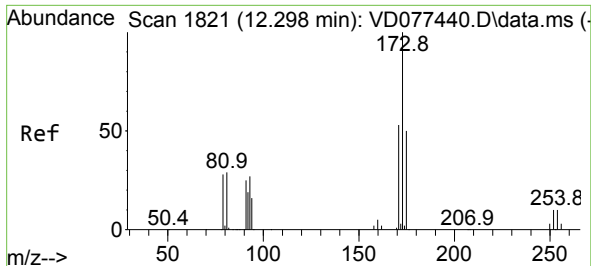
Tgt Ion:106 Resp: 137944
Ion Ratio Lower Upper
106 100
91 211.7 97.9 293.6



#70
Styrene
Concen: 47.834 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

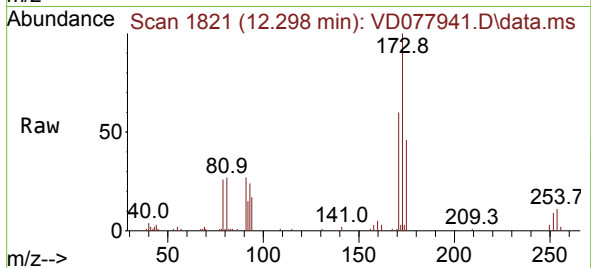
Tgt Ion:104 Resp: 211325
Ion Ratio Lower Upper
104 100
78 47.5 33.2 49.8
103 57.3 43.6 65.4



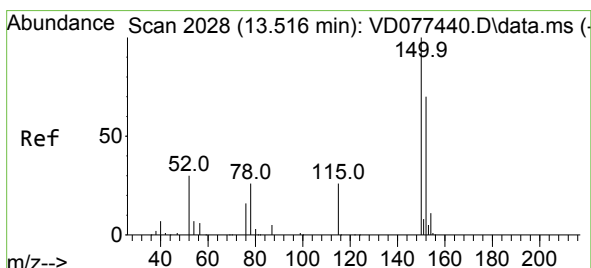
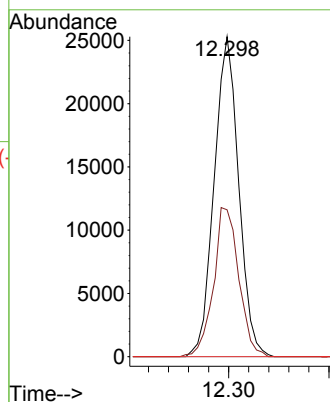
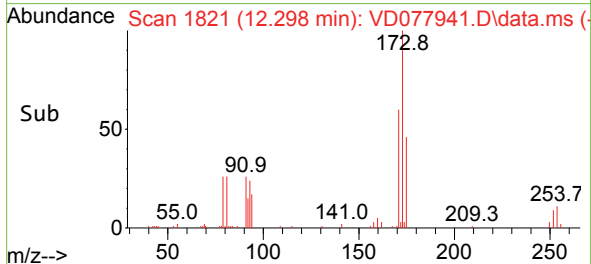


#71
Bromoform
Concen: 48.819 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

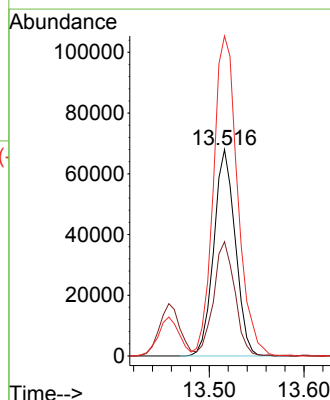
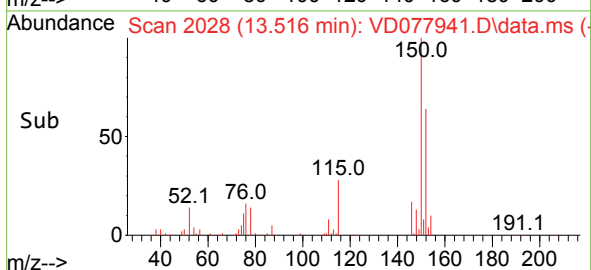
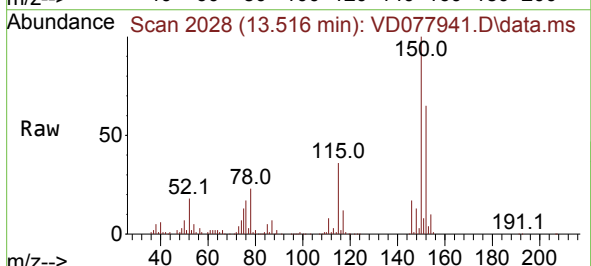


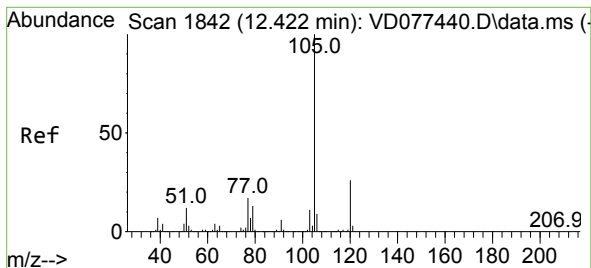
Tgt Ion:173 Resp: 42941
Ion Ratio Lower Upper
173 100
175 47.8 24.6 73.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:152 Resp: 107089
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.3
150 175.0 0.0 353.6





#73

Isopropylbenzene

Concen: 44.179 ug/l

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

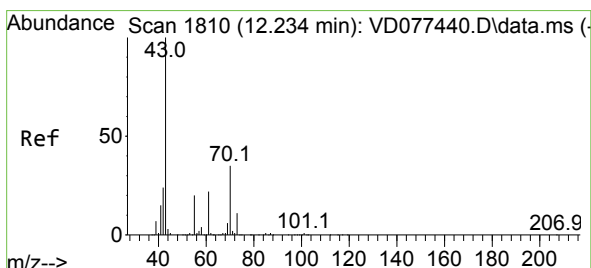
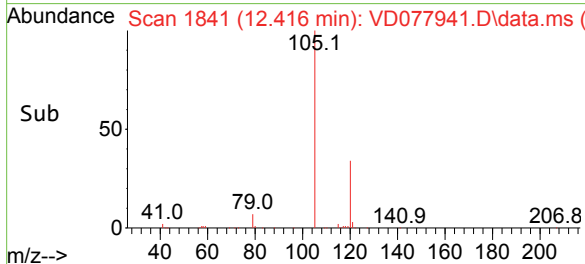
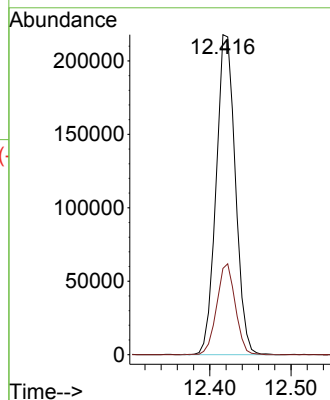
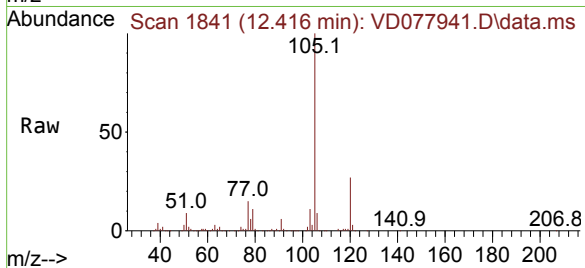
ClientSampleId :

Tgt Ion:105 Resp: 358571

Ion Ratio Lower Upper

105 100

120 27.4 14.3 42.9



#74

N-ethyl acetate

Concen: 42.113 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Tgt Ion: 43 Resp: 67189

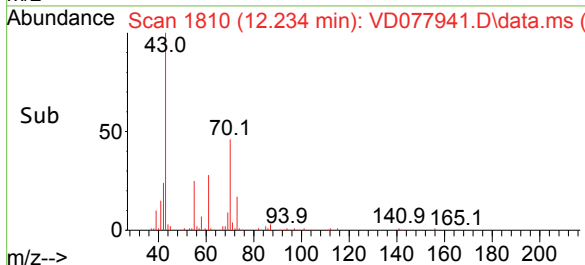
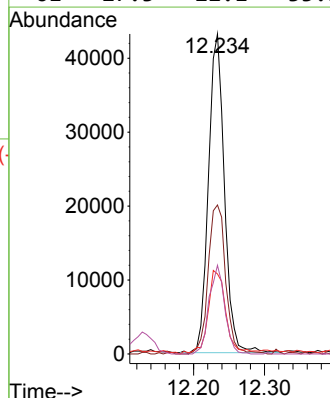
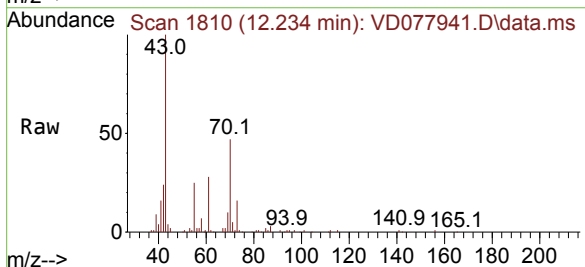
Ion Ratio Lower Upper

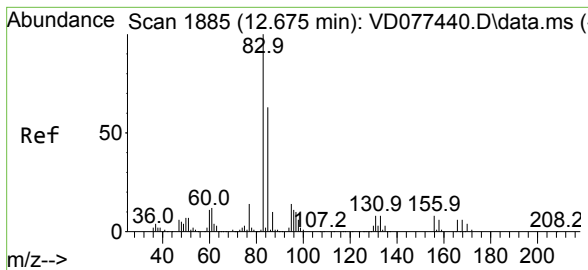
43 100

70 51.5 45.0 67.4

55 29.5 23.8 35.6

61 27.3 22.1 33.1

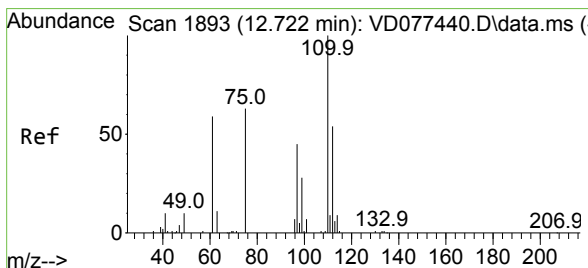
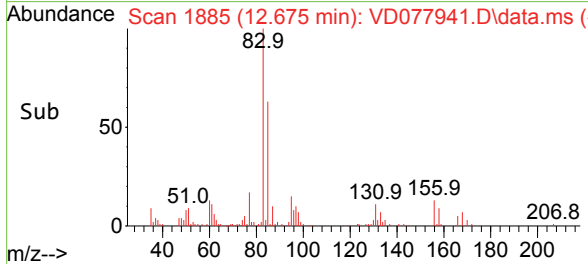
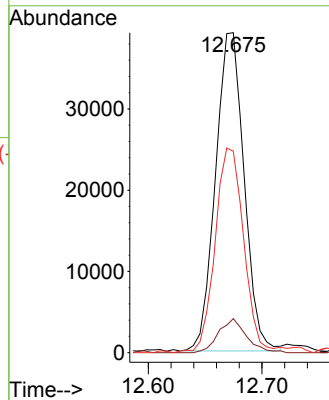
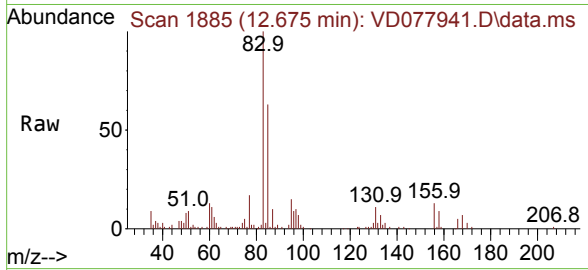




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.502 ug/l
 RT: 12.675 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

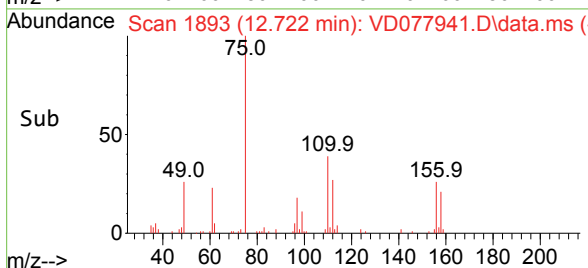
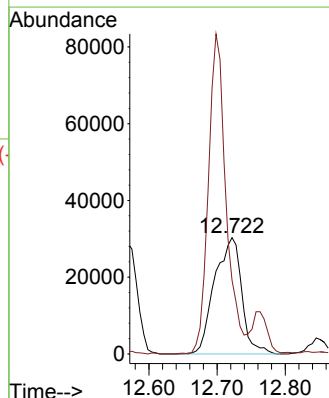
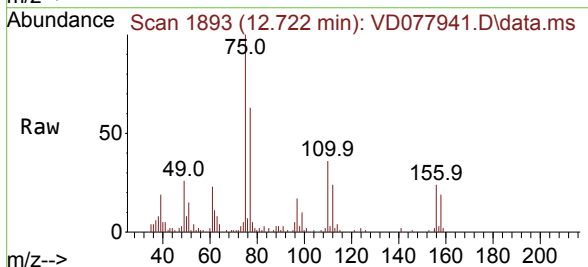
Instrument :
 MSVOA_D
 ClientSampleId :

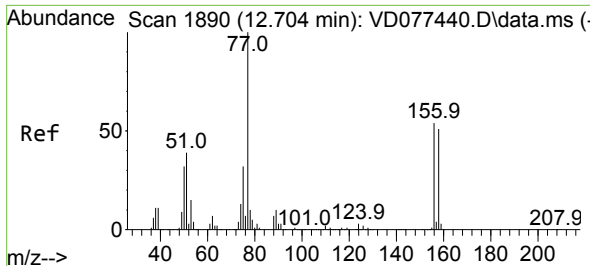
Tgt Ion: 83 Resp: 68640
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.1 15.3
 85 64.0 32.6 97.8



#76
 1,2,3-Trichloropropane
 Concen: 90.153 ug/l
 RT: 12.722 min Scan# 1893
 Delta R.T. -0.000 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

Tgt Ion: 75 Resp: 83849
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

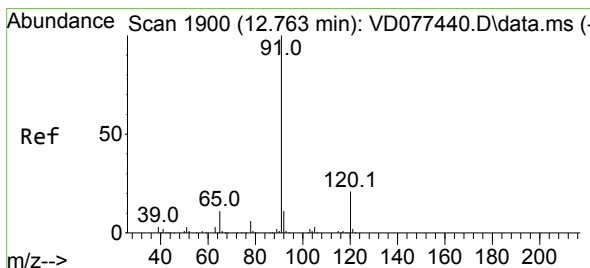
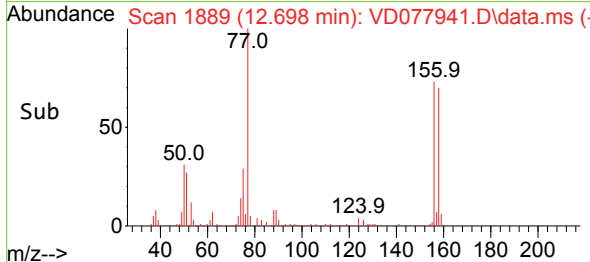
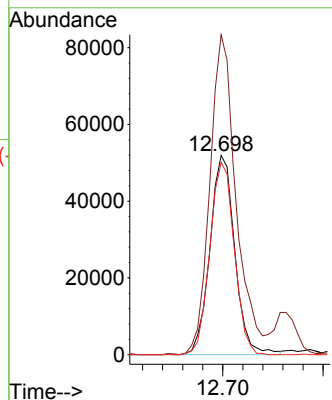
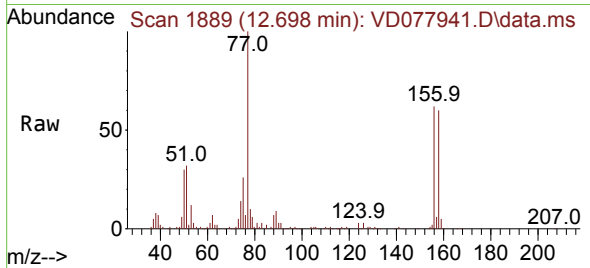




#77
Bromobenzene
Concen: 46.785 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

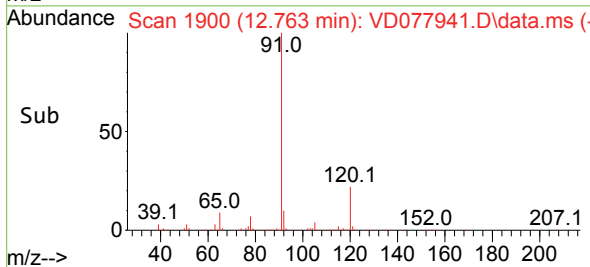
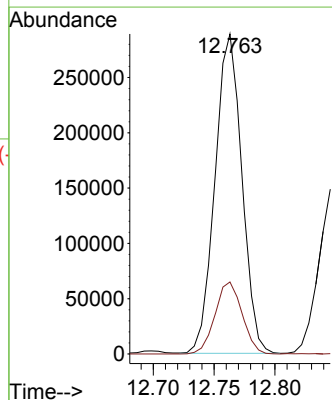
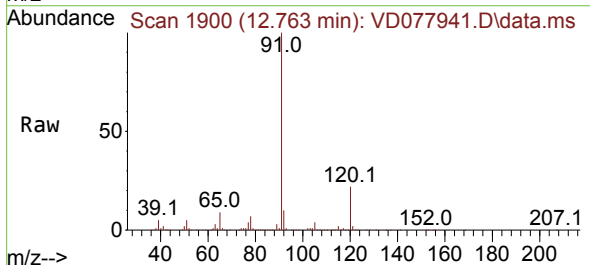
Instrument :
MSVOA_D
ClientSampleId :

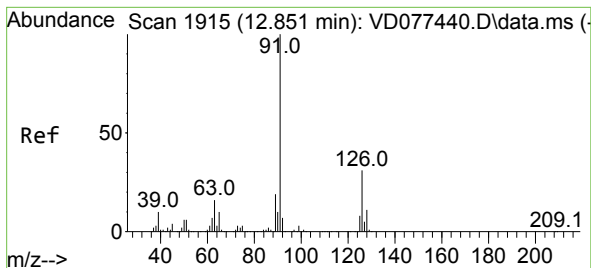
Tgt Ion:156 Resp: 89317
Ion Ratio Lower Upper
156 100
77 168.7 76.8 230.4
158 94.5 48.6 145.9



#78
n-propylbenzene
Concen: 44.887 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 91 Resp: 443935
Ion Ratio Lower Upper
91 100
120 22.6 12.4 37.2





#79

2-Chlorotoluene

Concen: 45.371 ug/l

RT: 12.845 min Scan# 1915

Delta R.T. -0.006 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

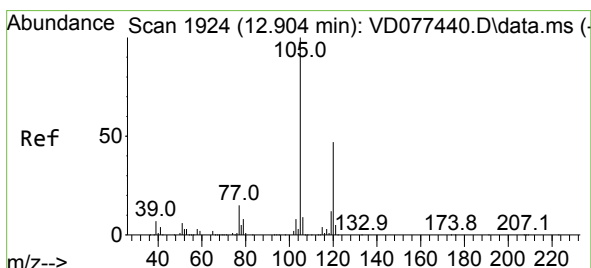
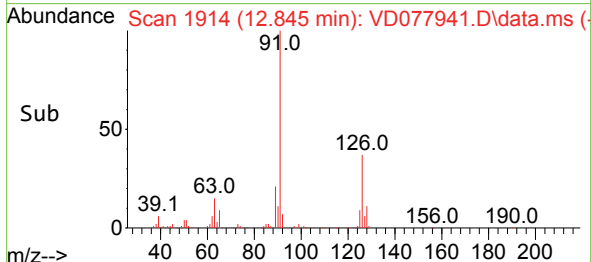
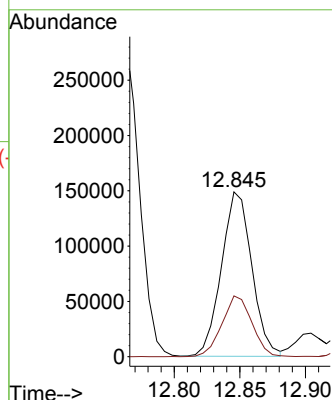
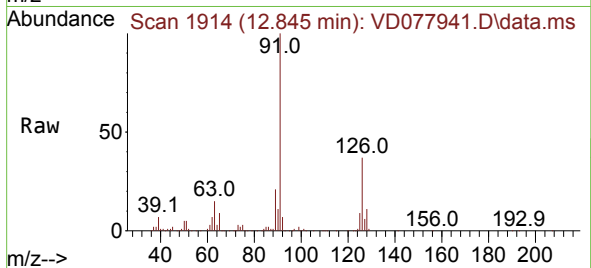
ClientSampleId :

Tgt Ion: 91 Resp: 240477

Ion Ratio Lower Upper

91 100

126 36.5 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 44.722 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD077941.D

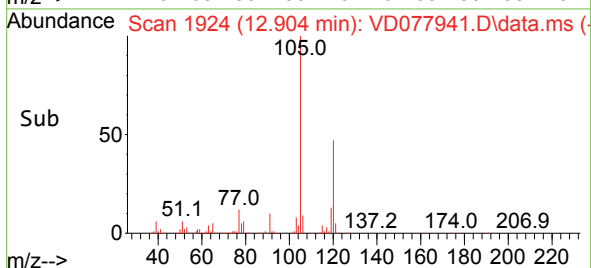
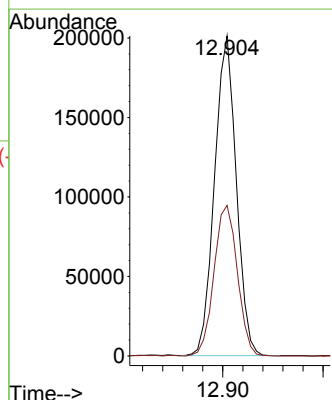
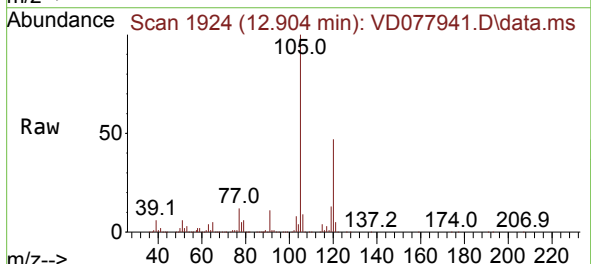
Acq: 16 Dec 2023 18:34

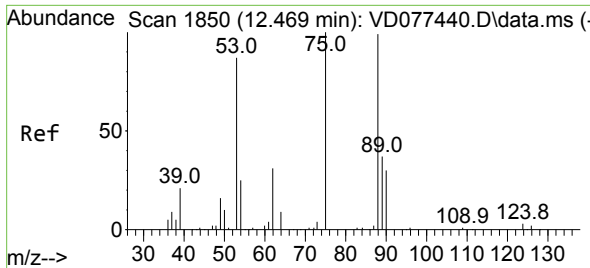
Tgt Ion:105 Resp: 302743

Ion Ratio Lower Upper

105 100

120 50.6 26.4 79.2

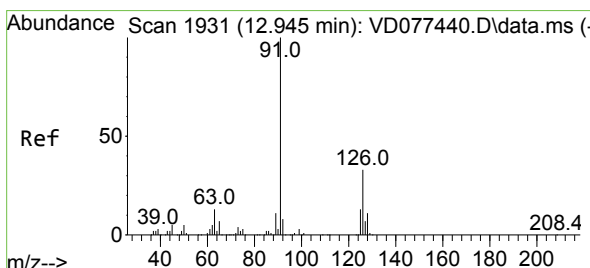
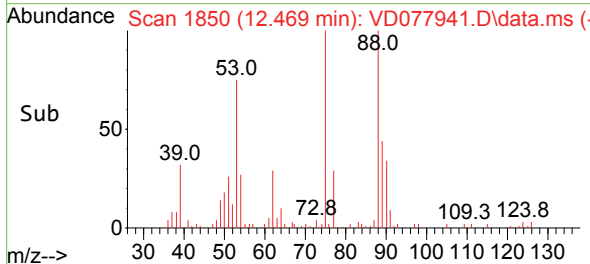
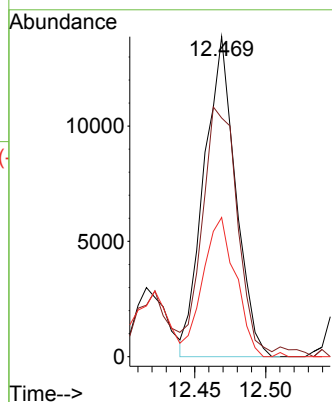
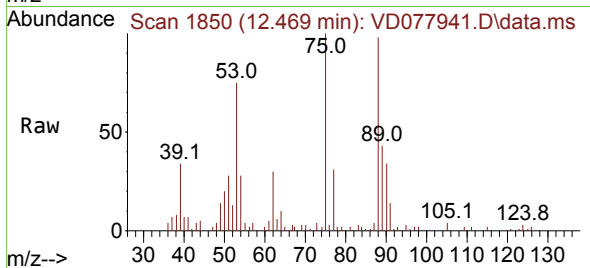




#81
trans-1,4-Dichloro-2-butene
Concen: 46.644 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

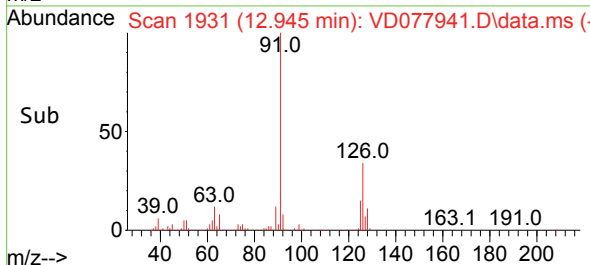
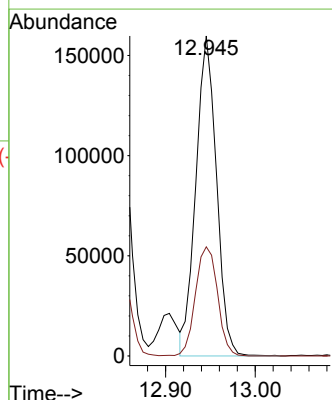
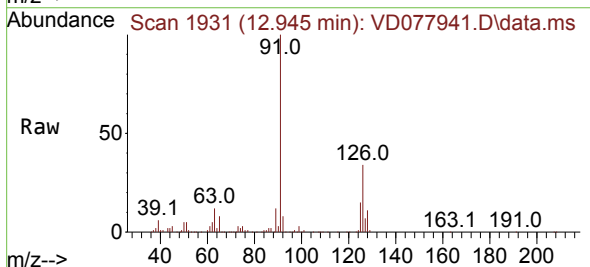
Instrument :
MSVOA_D
ClientSampleId :

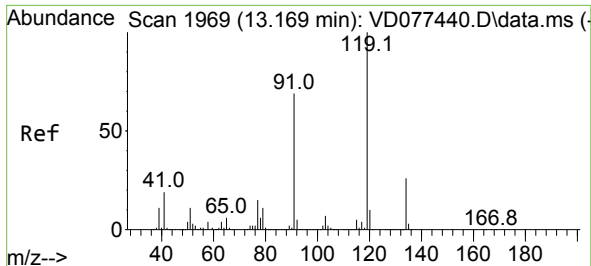
Tgt Ion: 75 Resp: 21412
Ion Ratio Lower Upper
75 100
53 84.1 63.0 94.4
89 45.4 37.9 56.9



#82
4-Chlorotoluene
Concen: 45.934 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 91 Resp: 254520
Ion Ratio Lower Upper
91 100
126 36.5 19.4 58.4

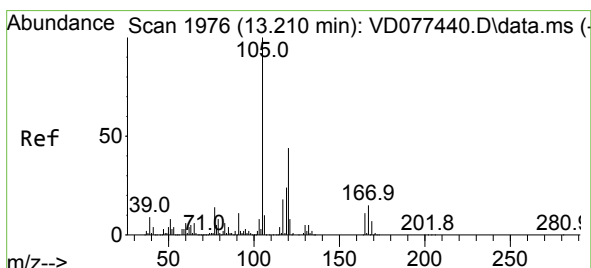
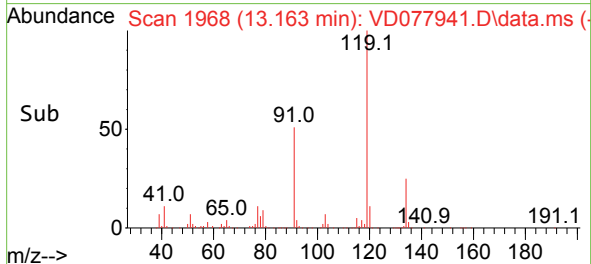
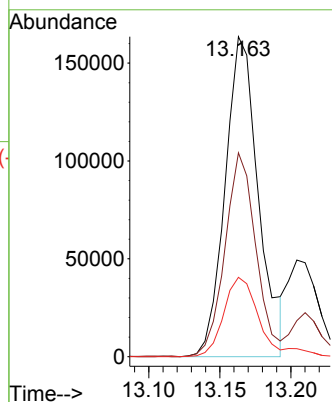
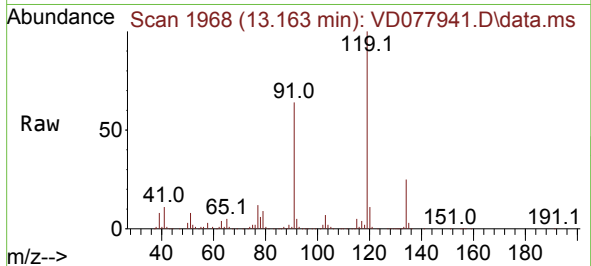




#83
tert-Butylbenzene
Concen: 46.721 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

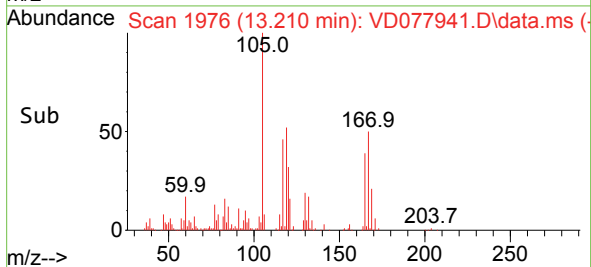
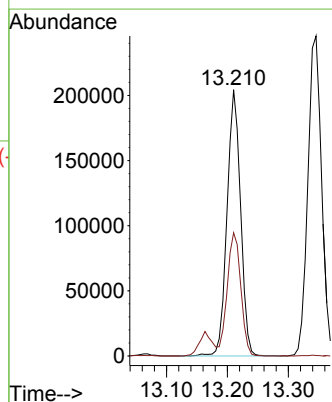
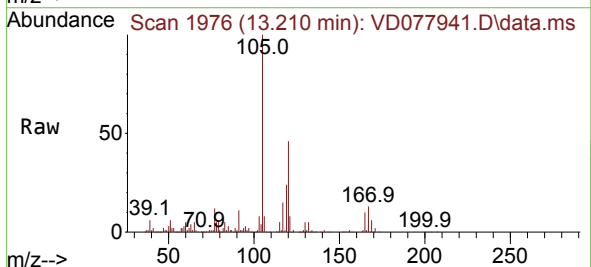
Instrument :
MSVOA_D
ClientSampleId :

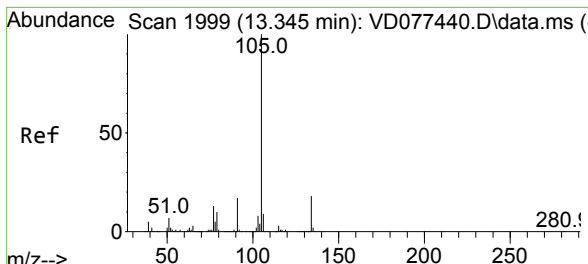
Tgt Ion:119 Resp: 267008
Ion Ratio Lower Upper
119 100
91 59.2 29.3 87.8
134 26.8 14.1 42.3



#84
1,2,4-Trimethylbenzene
Concen: 46.611 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:105 Resp: 315584
Ion Ratio Lower Upper
105 100
120 46.7 24.3 72.9

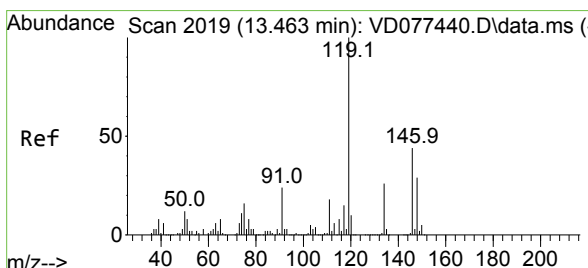
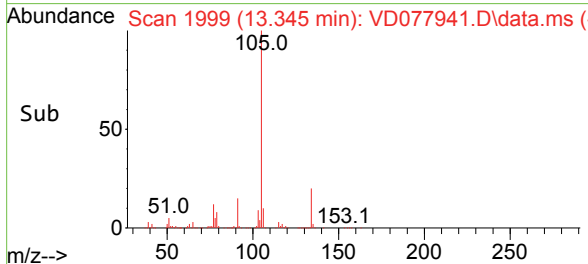
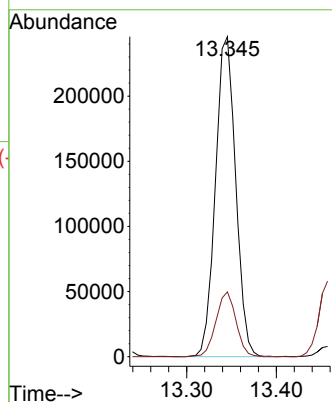
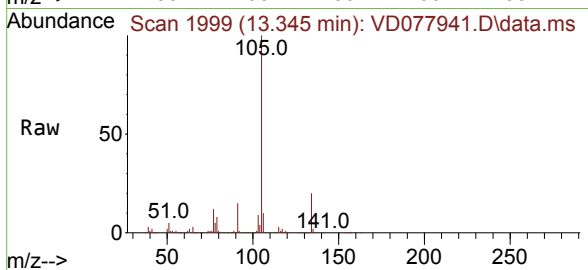




#85
 sec-Butylbenzene
 Concen: 45.454 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

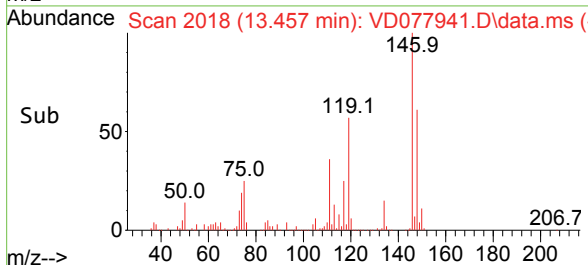
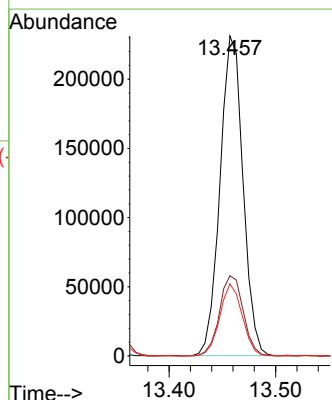
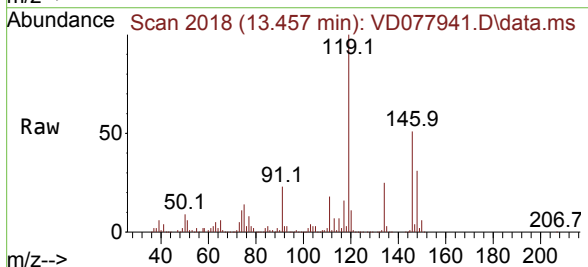
Instrument :
 MSVOA_D
 ClientSampleId :

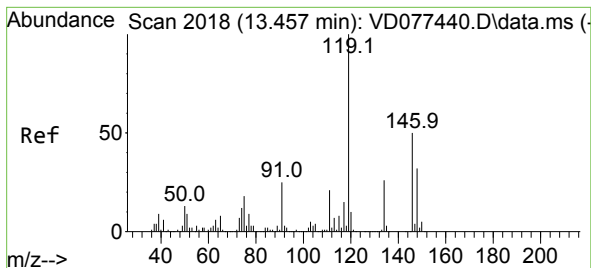
Tgt Ion:105 Resp: 383971
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 45.643 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: VD077941.D
 Acq: 16 Dec 2023 18:34

Tgt Ion:119 Resp: 345208
 Ion Ratio Lower Upper
 119 100
 134 26.0 14.2 42.6
 91 22.2 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 46.971 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

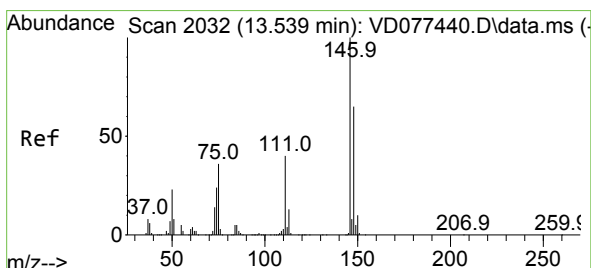
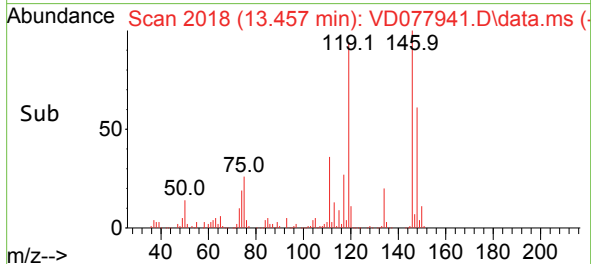
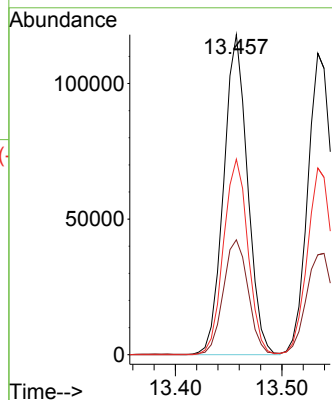
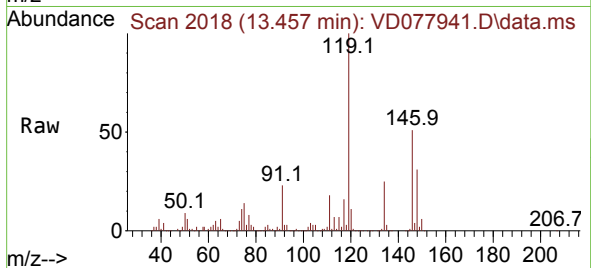
Tgt Ion:146 Resp: 183379

Ion Ratio Lower Upper

146 100

111 37.3 17.9 53.8

148 62.4 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 46.057 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. -0.005 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

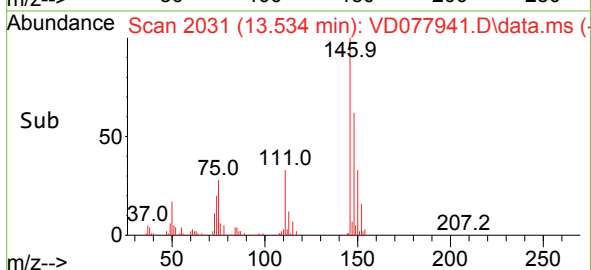
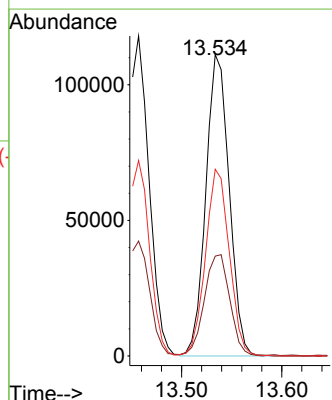
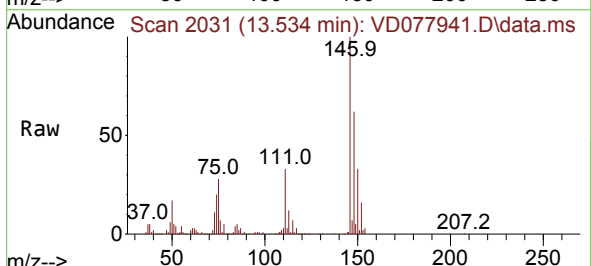
Tgt Ion:146 Resp: 179969

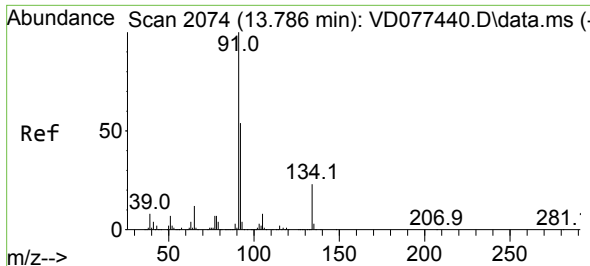
Ion Ratio Lower Upper

146 100

111 36.5 17.4 52.3

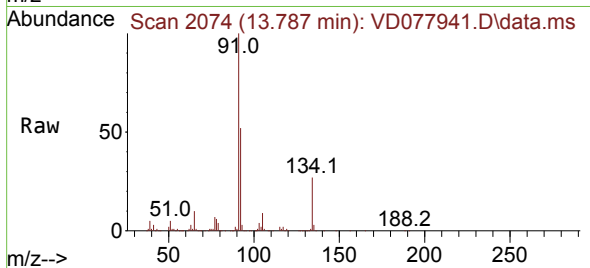
148 63.2 31.7 95.1



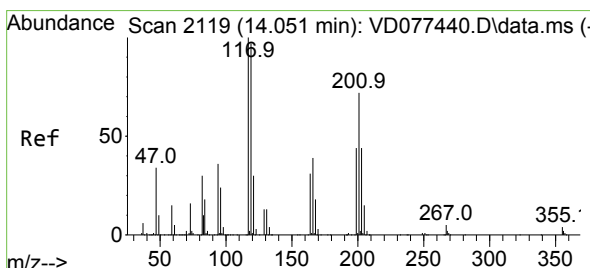
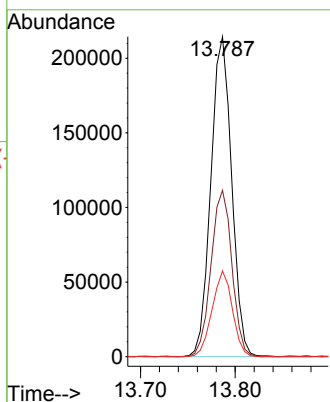
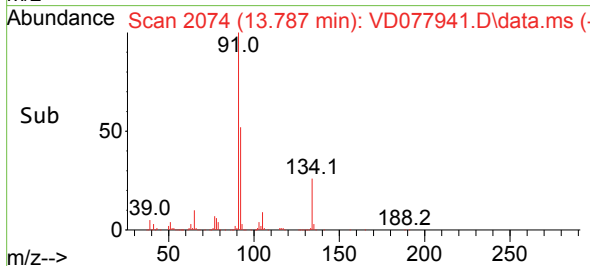


#89
n-Butylbenzene
Concen: 46.017 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.001 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

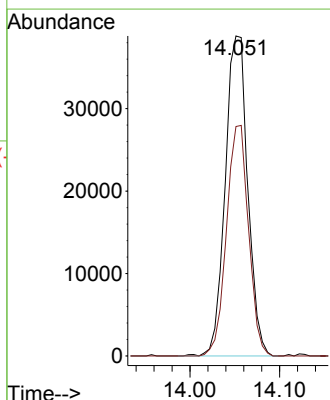
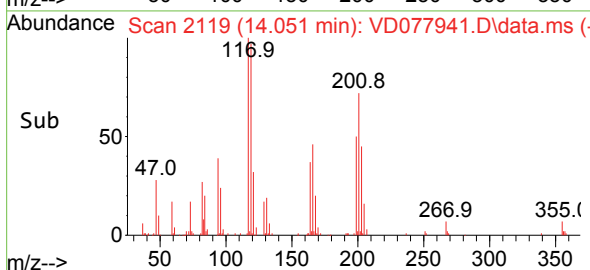
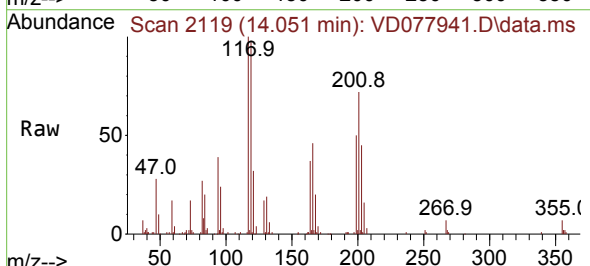


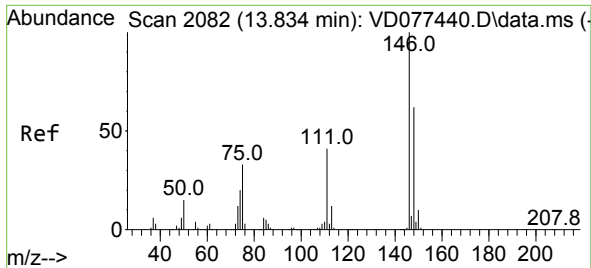
Tgt Ion: 91 Resp: 327492
Ion Ratio Lower Upper
91 100
92 52.1 26.5 79.5
134 26.2 13.8 41.3



#90
Hexachloroethane
Concen: 48.671 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

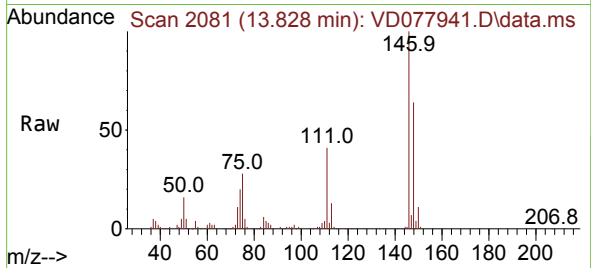
Tgt Ion: 117 Resp: 67699
Ion Ratio Lower Upper
117 100
201 70.5 38.5 115.5



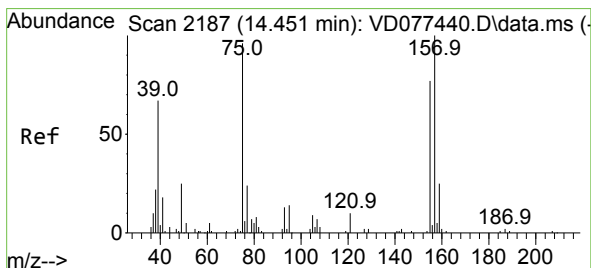
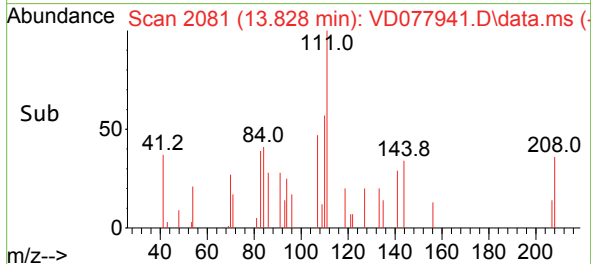
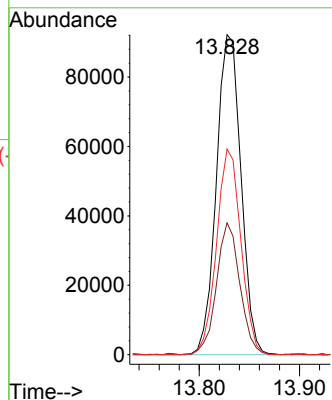


#91
1,2-Dichlorobenzene
Concen: 47.455 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

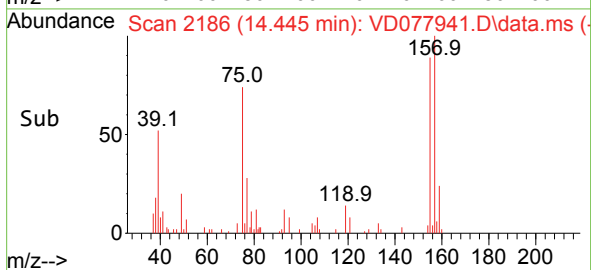
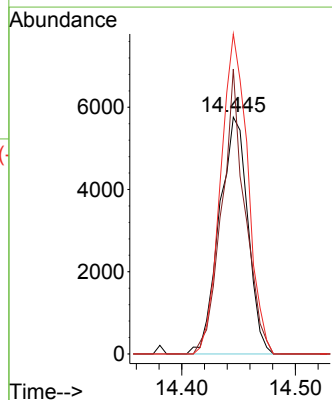
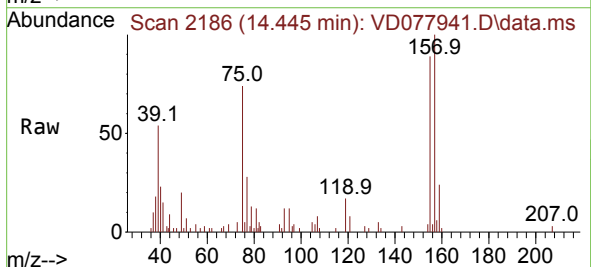


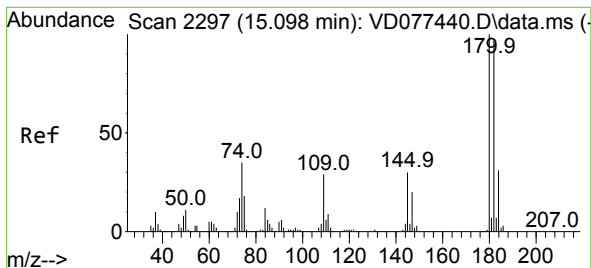
Tgt Ion:146 Resp: 157565
Ion Ratio Lower Upper
146 100
111 39.1 18.3 54.8
148 63.4 31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.855 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion: 75 Resp: 10020
Ion Ratio Lower Upper
75 100
155 97.8 47.9 143.8
157 128.3 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 45.719 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

Instrument :

MSVOA_D

ClientSampleId :

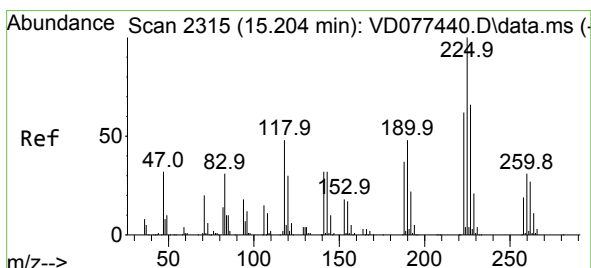
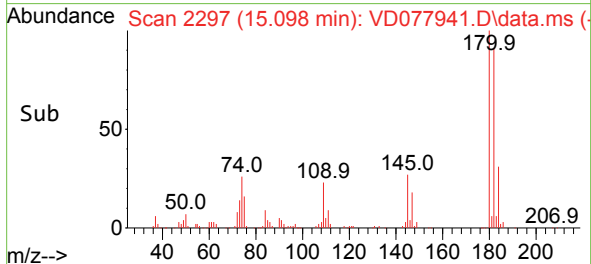
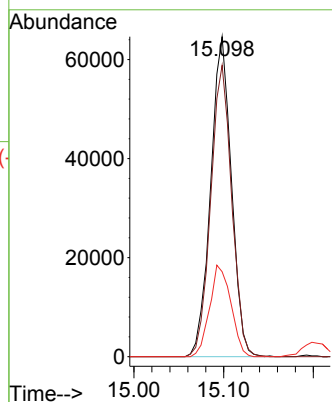
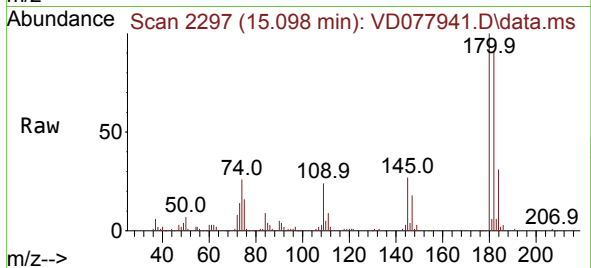
Tgt Ion:180 Resp: 103689

Ion Ratio Lower Upper

180 100

182 92.0 48.5 145.6

145 29.3 14.2 42.6



#94

Hexachlorobutadiene

Concen: 43.110 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077941.D

Acq: 16 Dec 2023 18:34

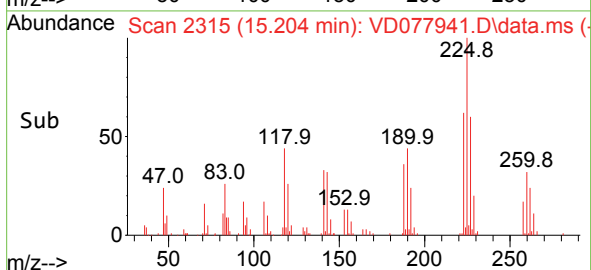
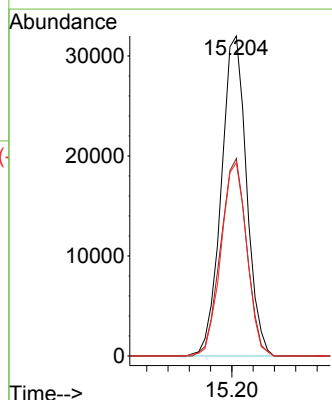
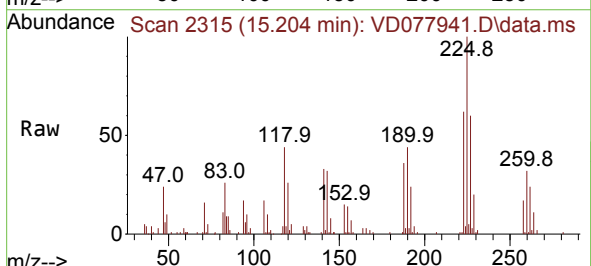
Tgt Ion:225 Resp: 52723

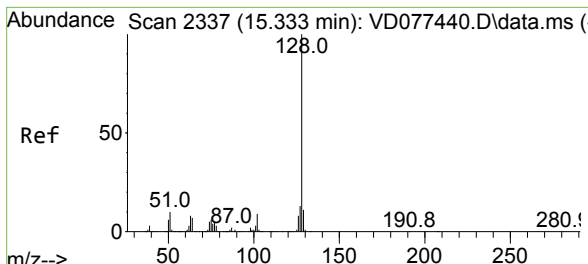
Ion Ratio Lower Upper

225 100

223 63.5 31.6 94.8

227 61.4 31.7 95.1

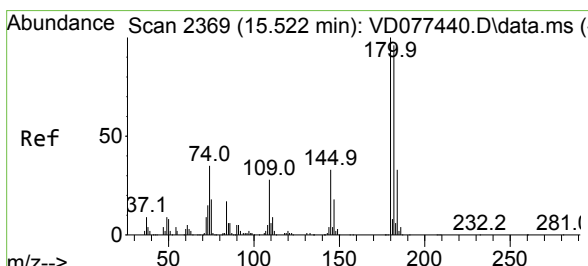
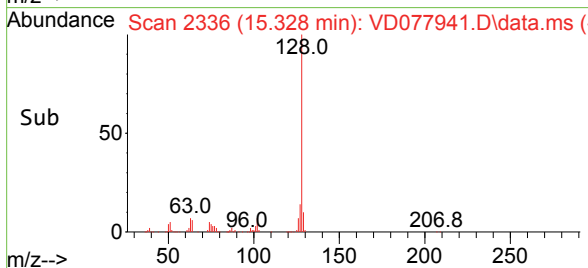
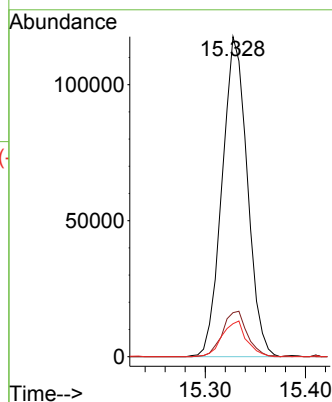
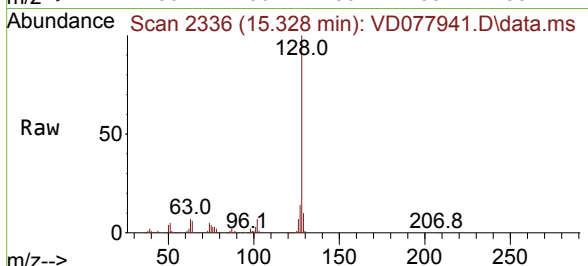




#95
Naphthalene
Concen: 54.519 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 205438
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.332 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD077941.D
Acq: 16 Dec 2023 18:34

Tgt Ion:180 Resp: 88499
Ion Ratio Lower Upper
180 100
182 94.3 47.3 141.9
145 29.4 15.1 45.3

