

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077446.D
 Acq On : 30 Oct 2023 14:33
 Operator : JC/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 31 04:25:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	308492	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	539651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	478526	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	223374	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.228	65	231038	52.963	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.920%	
35) Dibromofluoromethane	7.805	113	198392	53.190	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.380%	
50) Toluene-d8	10.269	98	779670	53.816	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.640%	
62) 4-Bromofluorobenzene	12.575	95	262128	53.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.440%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.934	85	54048	21.728	ug/l	99
3) Chloromethane	2.146	50	75268	19.059	ug/l	96
4) Vinyl Chloride	2.281	62	76584	19.887	ug/l	100
5) Bromomethane	2.687	94	37954	18.808	ug/l	99
6) Chloroethane	2.834	64	50682	19.547	ug/l	98
7) Trichlorofluoromethane	3.175	101	111739	20.719	ug/l	97
8) Diethyl Ether	3.593	74	38390	19.803	ug/l #	49
9) 1,1,2-Trichlorotrifluo...	3.969	101	68404	21.010	ug/l	94
10) Methyl Iodide	4.158	142	62694	17.436	ug/l #	86
11) Tert butyl alcohol	5.046	59	42391	122.678	ug/l #	80
12) 1,1-Dichloroethene	3.946	96	60536	19.640	ug/l #	70
13) Acrolein	3.799	56	50002	109.732	ug/l	99
14) Allyl chloride	4.564	41	147022	19.773	ug/l #	83
15) Acrylonitrile	5.258	53	110421	105.369	ug/l	99
16) Acetone	4.022	43	121988	105.682	ug/l #	76
17) Carbon Disulfide	4.269	76	129098	16.315	ug/l	97
18) Methyl Acetate	4.569	43	82755	19.655	ug/l #	59
19) Methyl tert-butyl Ether	5.311	73	196955	20.357	ug/l	95
20) Methylene Chloride	4.799	84	117130	25.823	ug/l #	60
21) trans-1,2-Dichloroethene	5.311	96	69771	19.437	ug/l #	74
22) Diisopropyl ether	6.216	45	319943	20.245	ug/l #	87
23) Vinyl Acetate	6.158	43	803337	117.830	ug/l #	82
24) 1,1-Dichloroethane	6.116	63	165179	20.144	ug/l	92
25) 2-Butanone	7.075	43	161775	105.072	ug/l #	71
26) 2,2-Dichloropropane	7.075	77	145387	20.007	ug/l	90
27) cis-1,2-Dichloroethene	7.075	96	89050	20.024	ug/l	69
28) Bromochloromethane	7.428	49	60789	17.769	ug/l #	56
29) Tetrahydrofuran	7.446	42	95049	104.089	ug/l #	68
30) Chloroform	7.593	83	151775	19.823	ug/l	97
31) Cyclohexane	7.875	56	133447	19.569	ug/l #	75
32) 1,1,1-Trichloroethane	7.793	97	128898	20.433	ug/l	94
36) 1,1-Dichloropropene	8.005	75	111477	20.158	ug/l	92
37) Ethyl Acetate	7.169	43	66644	20.999	ug/l #	89
38) Carbon Tetrachloride	7.993	117	107440	20.617	ug/l	94
39) Methylcyclohexane	9.275	83	125062	19.820	ug/l #	82
40) Benzene	8.252	78	310655	19.700	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	45807	22.557	ug/l #	74
42) 1,2-Dichloroethane	8.328	62	102363	20.495	ug/l	89
43) Isopropyl Acetate	8.357	43	134967	20.608	ug/l #	81
44) Trichloroethene	9.028	130	75651	19.585	ug/l	85
45) 1,2-Dichloropropane	9.305	63	94999	20.463	ug/l	94
46) Dibromomethane	9.393	93	44023	19.704	ug/l	88
47) Bromodichloromethane	9.587	83	121571	20.587	ug/l	96
48) Methyl methacrylate	9.381	41	64912	20.764	ug/l #	64
49) 1,4-Dioxane	9.387	88	9796	408.045	ug/l #	56
51) 4-Methyl-2-Pentanone	10.157	43	338716	105.073	ug/l #	80
52) Toluene	10.334	92	193391	20.117	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	129529	20.714	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	148902	20.693	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	60743	20.378	ug/l #	84
56) Ethyl methacrylate	10.599	69	91037	20.541	ug/l #	57
57) 1,3-Dichloropropane	10.881	76	114933	20.629	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	207253	93.410	ug/l #	86
59) 2-Hexanone	10.922	43	259384	109.226	ug/l	76
60) Dibromochloromethane	11.069	129	73573	20.527	ug/l	97
61) 1,2-Dibromoethane	11.181	107	56769	20.111	ug/l	99
64) Tetrachloroethene	10.810	164	62070	20.374	ug/l	90
65) Chlorobenzene	11.604	112	205586	20.507	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	77523	20.463	ug/l	97
67) Ethyl Benzene	11.687	91	396974	20.580	ug/l	94
68) m/p-Xylenes	11.793	106	287573	41.285	ug/l	81
69) o-Xylene	12.122	106	135479	20.306	ug/l	76
70) Styrene	12.140	104	238684	20.737	ug/l #	90
71) Bromoform	12.304	173	42665	20.314	ug/l #	99
73) Isopropylbenzene	12.422	105	374556	20.567	ug/l	94
74) N-amyl acetate	12.234	43	132264	20.504	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.675	83	74149	20.770	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	102134	37.568	ug/l #	100
77) Bromobenzene	12.698	156	79915	19.936	ug/l	70
78) n-propylbenzene	12.763	91	478043	20.673	ug/l	92
79) 2-Chlorotoluene	12.851	91	262513	20.050	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	315231	20.629	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.469	75	27853	19.790	ug/l #	80
82) 4-Chlorotoluene	12.945	91	276021	20.239	ug/l	89
83) tert-Butylbenzene	13.169	119	266721	20.760	ug/l	89
84) 1,2,4-Trimethylbenzene	13.210	105	309485	20.388	ug/l	91
85) sec-Butylbenzene	13.345	105	408940	20.803	ug/l	94
86) p-Isopropyltoluene	13.463	119	331405	20.741	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	160011	20.307	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	158252	20.101	ug/l	95
89) n-Butylbenzene	13.787	91	349097	21.020	ug/l	97
90) Hexachloroethane	14.051	117	65892	20.152	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	140376	20.271	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	12364	20.558	ug/l	77
93) 1,2,4-Trichlorobenzene	15.098	180	97336	20.460	ug/l	95
94) Hexachlorobutadiene	15.204	225	51287	19.986	ug/l	99
95) Naphthalene	15.334	128	182349	20.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	80417	19.583	ug/l	99

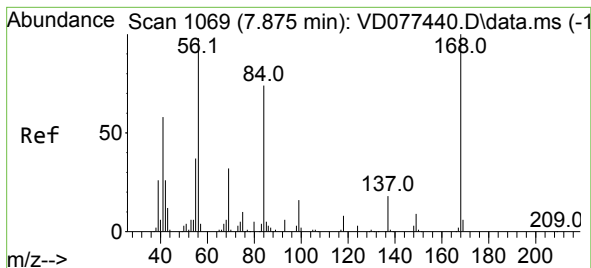
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QLast Update : Tue Oct 31 04:19:17 2023
Response via : Initial Calibration

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: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

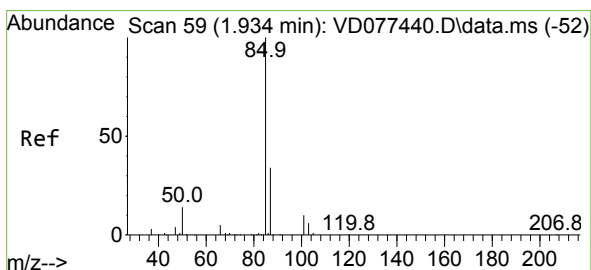
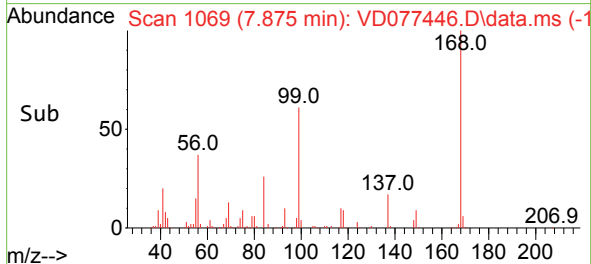
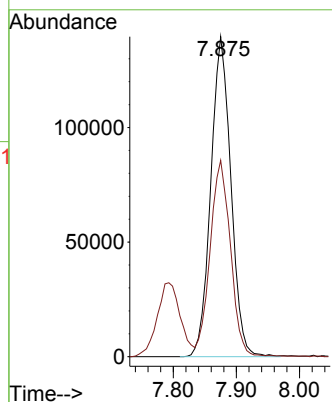
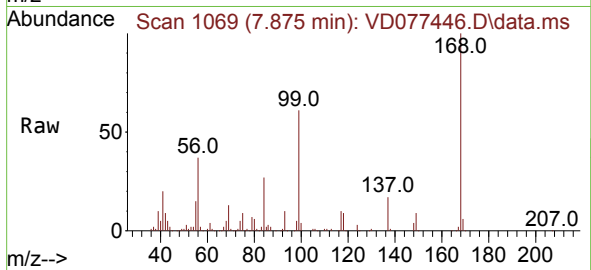
ClientSampleId :

Tgt Ion:168 Resp: 308492

Ion Ratio Lower Upper

168 100

99 61.1 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 21.728 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD077446.D

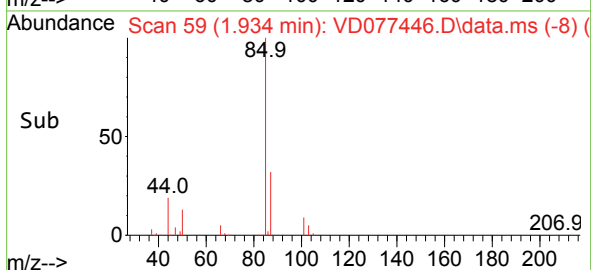
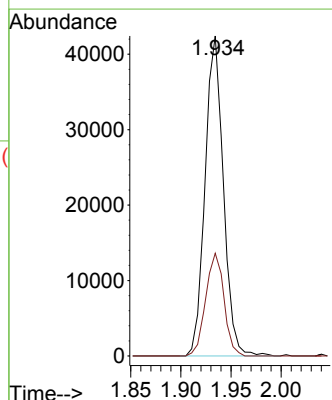
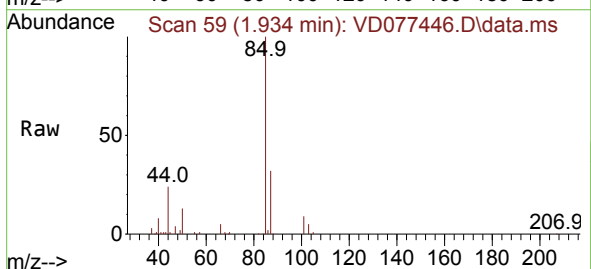
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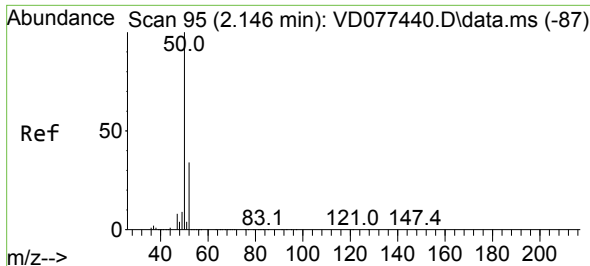
Tgt Ion: 85 Resp: 54048

Ion Ratio Lower Upper

85 100

87 32.1 15.7 47.0

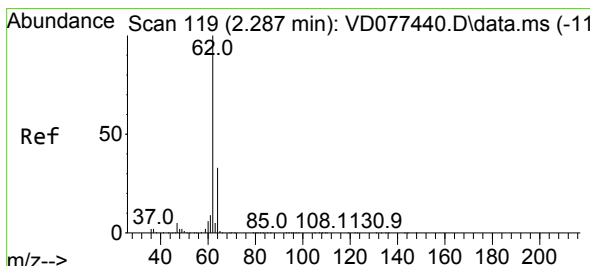
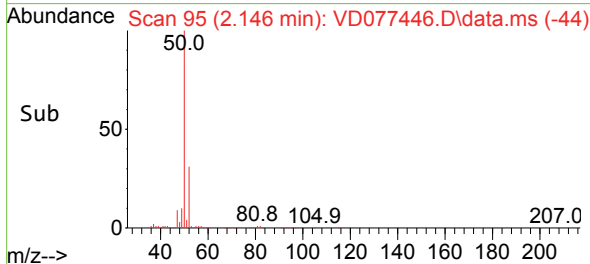
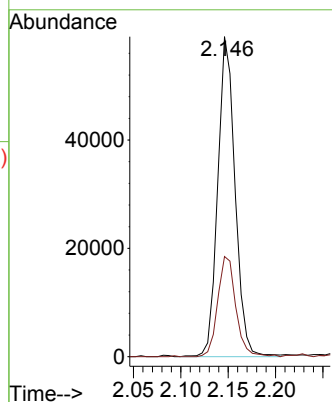
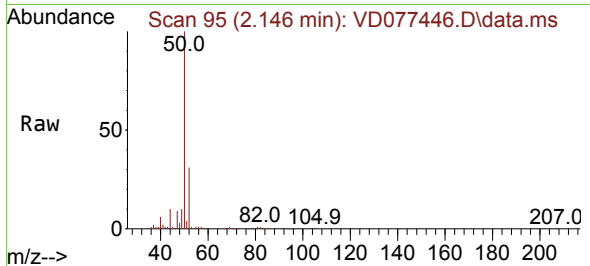




#3
Chloromethane
Concen: 19.059 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

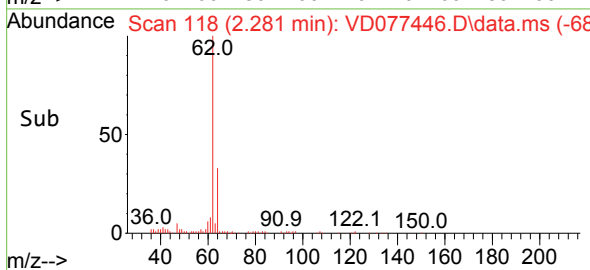
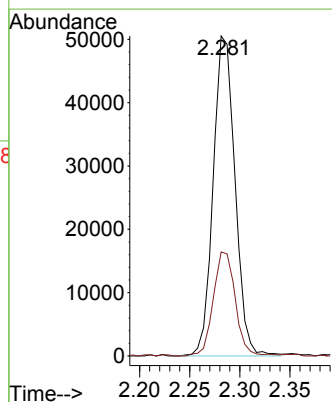
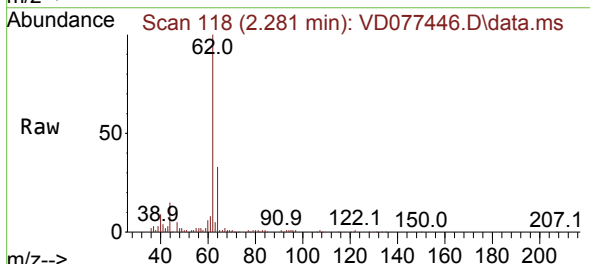
Instrument :
MSVOA_D
ClientSampleId :

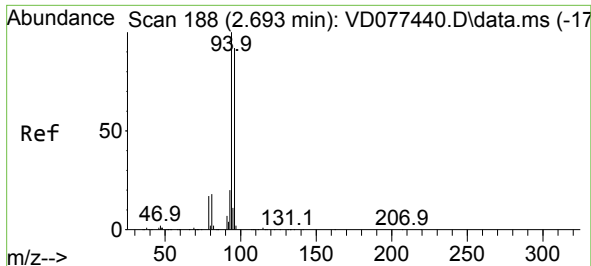
Tgt Ion: 50 Resp: 75268
Ion Ratio Lower Upper
50 100
52 31.3 26.6 40.0



#4
Vinyl Chloride
Concen: 19.887 ug/l
RT: 2.281 min Scan# 118
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 62 Resp: 76584
Ion Ratio Lower Upper
62 100
64 32.5 26.0 39.0

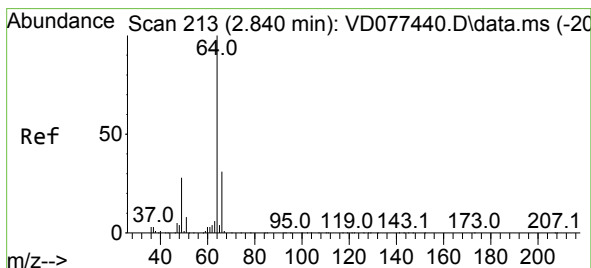
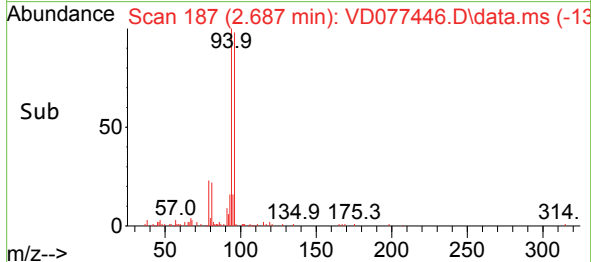
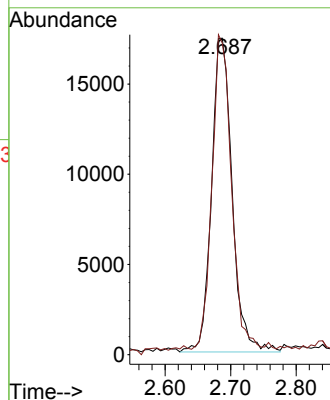
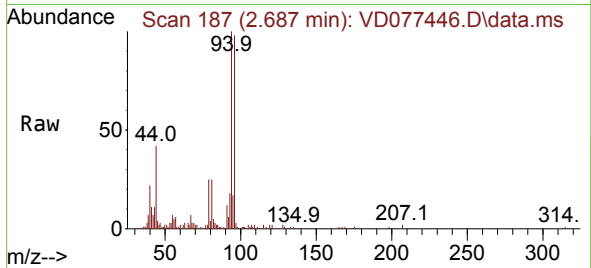




#5
Bromomethane
Concen: 18.808 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

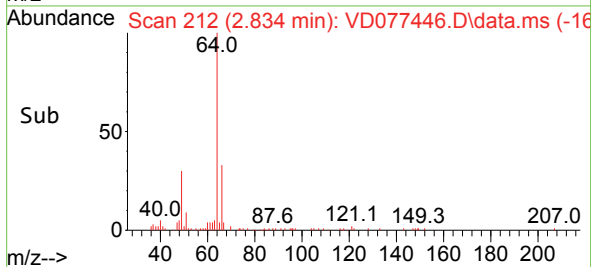
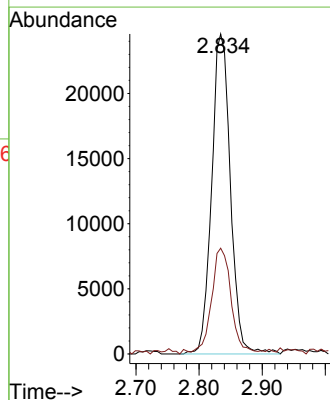
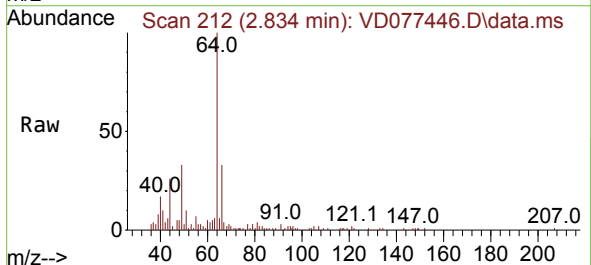
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ClientSampleId :

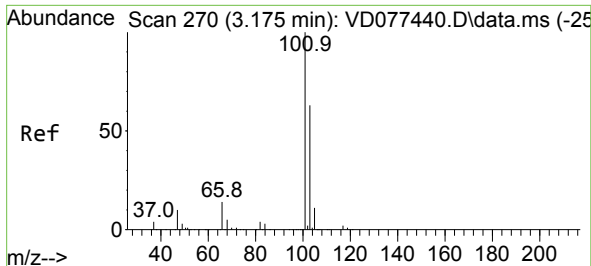
Tgt Ion: 94 Resp: 37954
Ion Ratio Lower Upper
94 100
96 94.0 75.8 113.8



#6
Chloroethane
Concen: 19.547 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 64 Resp: 50682
Ion Ratio Lower Upper
64 100
66 33.1 25.5 38.3

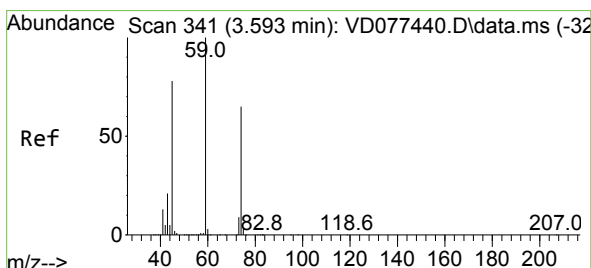
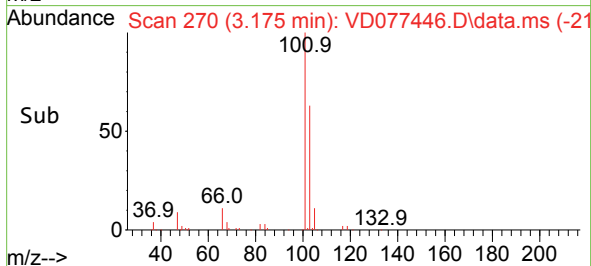
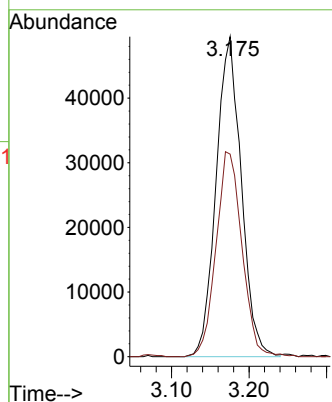
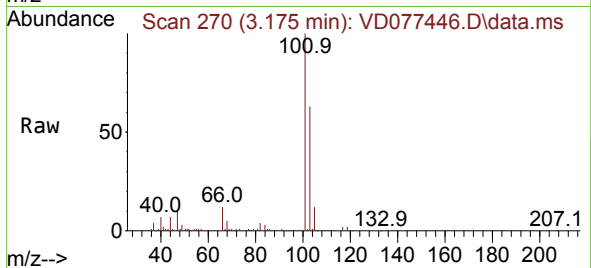




#7
 Trichlorofluoromethane
 Concen: 20.719 ug/l
 RT: 3.175 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

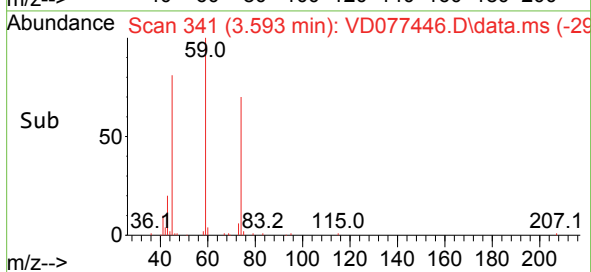
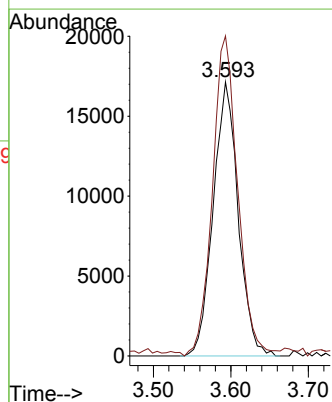
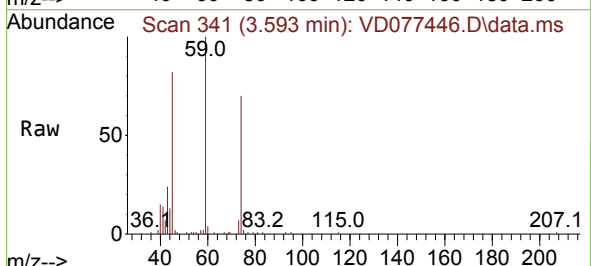
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 ClientSampleId :

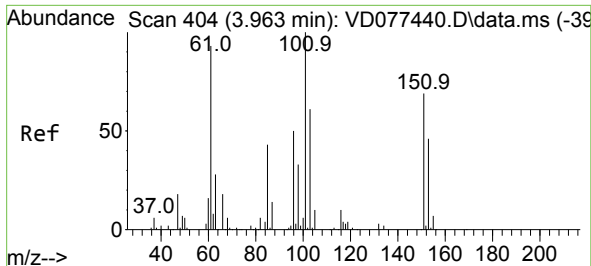
Tgt Ion:101 Resp: 111739
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.3 78.5



#8
 Diethyl Ether
 Concen: 19.803 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

Tgt Ion: 74 Resp: 38390
 Ion Ratio Lower Upper
 74 100
 45 118.1 37.5 112.7#

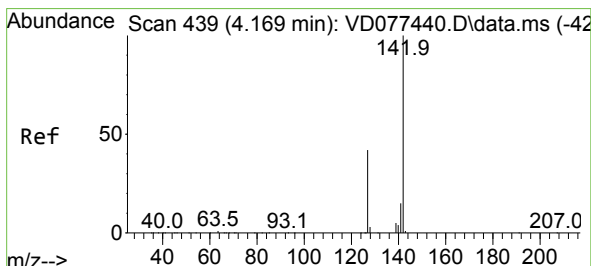
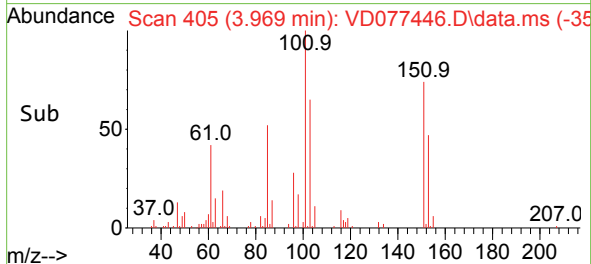
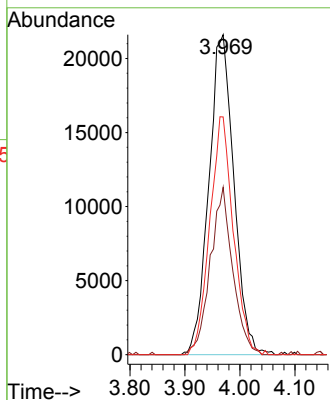
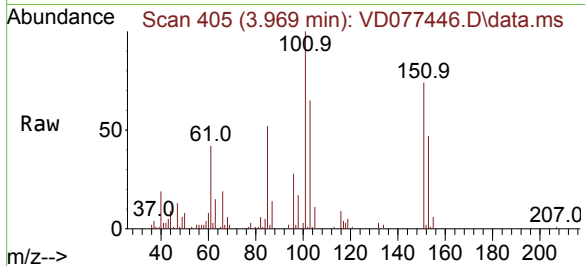




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.010 ug/l
RT: 3.969 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD077446.D
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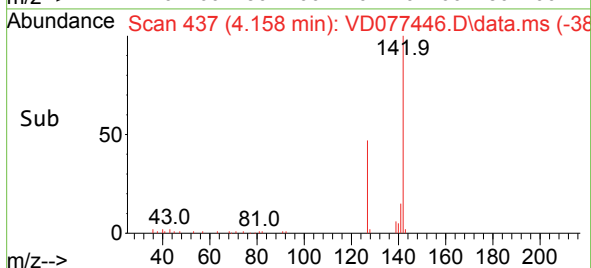
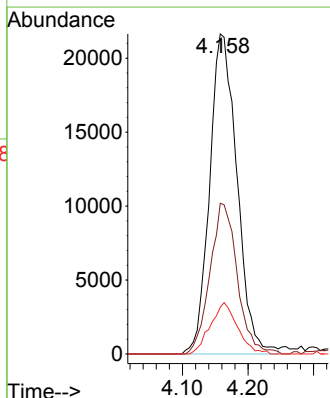
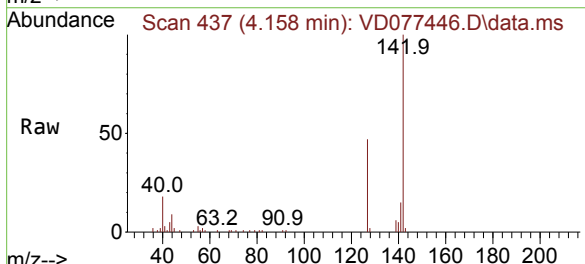
Instrument :
MSVOA_D
ClientSampleId :

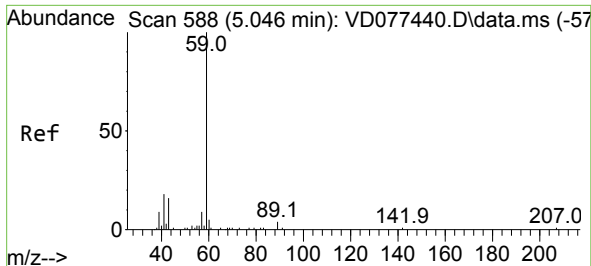
Tgt Ion:101 Resp: 68404
Ion Ratio Lower Upper
101 100
85 46.9 33.8 50.6
151 70.1 59.8 89.6



#10
Methyl Iodide
Concen: 17.436 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.011 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion:142 Resp: 62694
Ion Ratio Lower Upper
142 100
127 46.9 29.4 44.0#
141 15.9 11.1 16.7





#11

Tert butyl alcohol

Concen: 122.678 ug/l

RT: 5.046 min Scan# 51

Delta R.T. 0.000 min

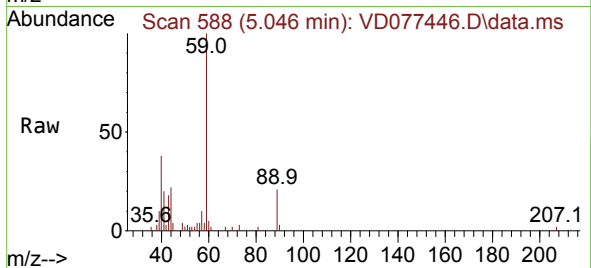
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

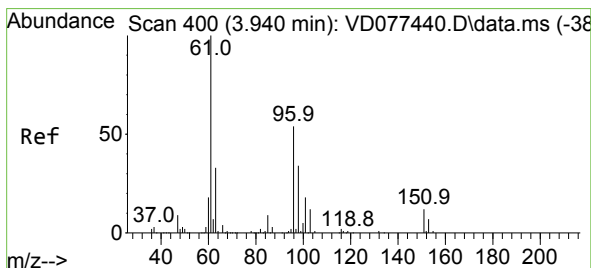
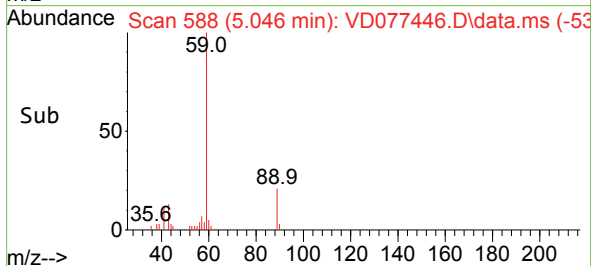
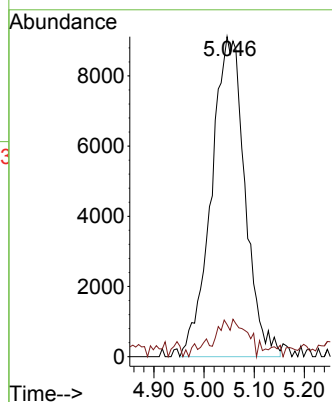
MSVOA_D

ClientSampleId :



Tgt Ion: 59 Resp: 42391

Ion	Ratio	Lower	Upper
59	100		
57	2.6	7.8	11.8#



#12

1,1-Dichloroethene

Concen: 19.640 ug/l

RT: 3.946 min Scan# 401

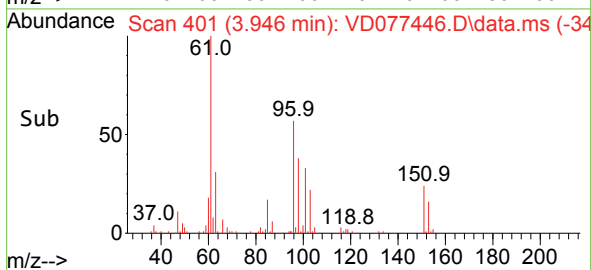
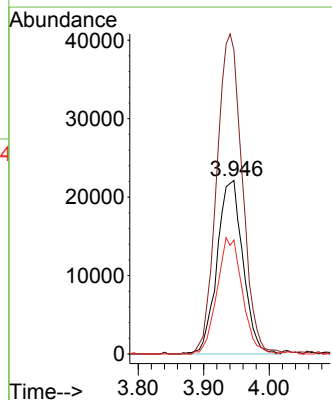
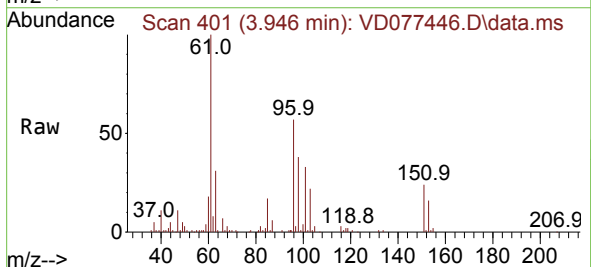
Delta R.T. 0.006 min

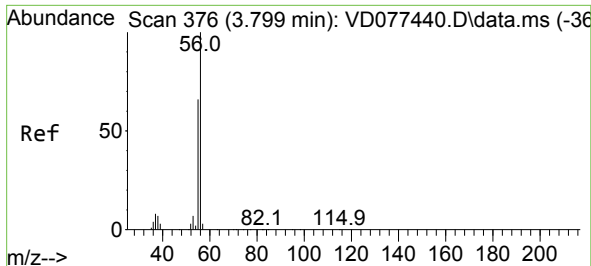
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Tgt Ion: 96 Resp: 60536

Ion	Ratio	Lower	Upper
96	100		
61	175.2	100.6	150.8#
98	65.7	50.2	75.2

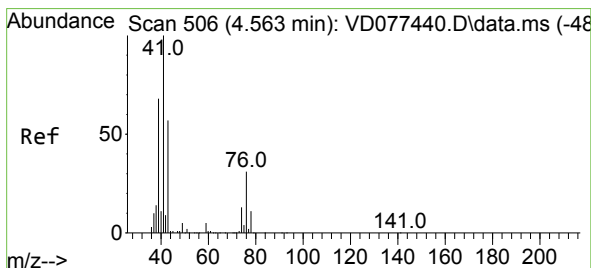
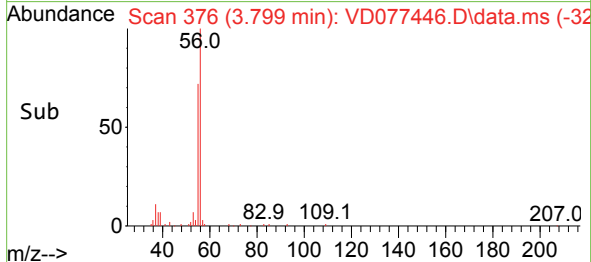
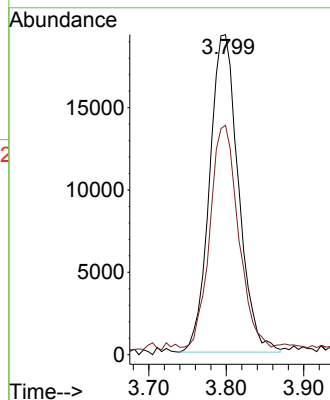
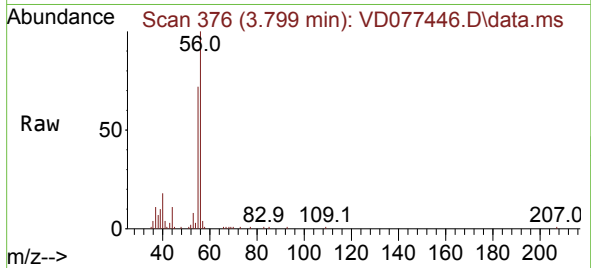




#13
Acrolein
Concen: 109.732 ug/l
RT: 3.799 min Scan# 376
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

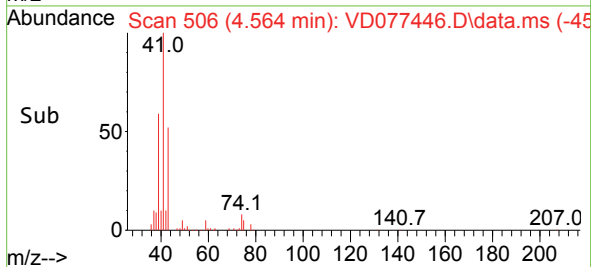
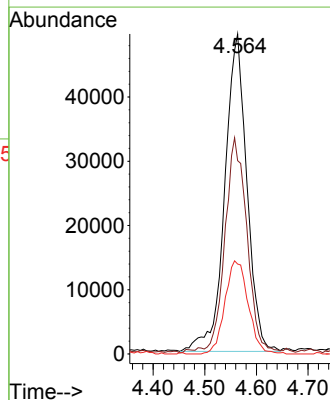
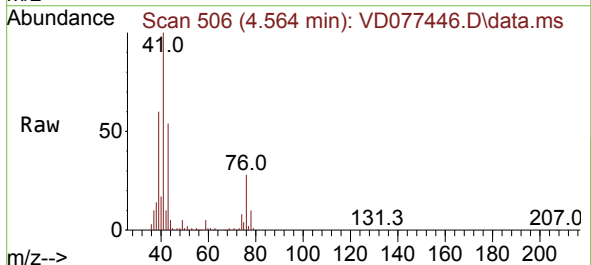
Instrument :
MSVOA_D
ClientSampleId :

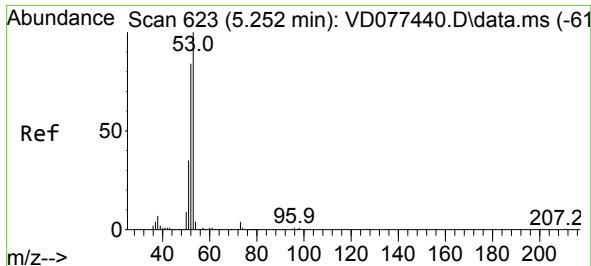
Tgt Ion: 56 Resp: 50002
Ion Ratio Lower Upper
56 100
55 68.4 55.1 82.7



#14
Allyl chloride
Concen: 19.773 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

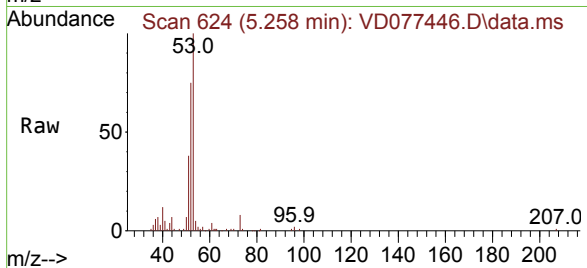
Tgt Ion: 41 Resp: 147022
Ion Ratio Lower Upper
41 100
39 68.1 53.8 80.6
76 30.9 45.8 68.8#



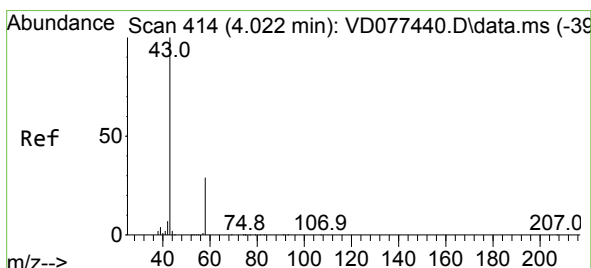
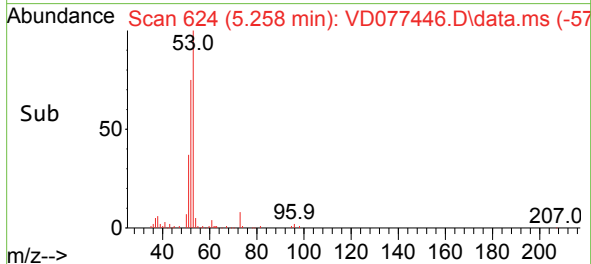
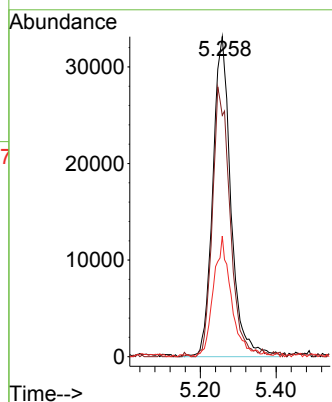


#15
Acrylonitrile
Concen: 105.369 ug/l
RT: 5.258 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

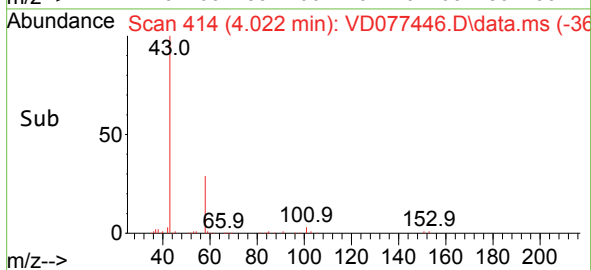
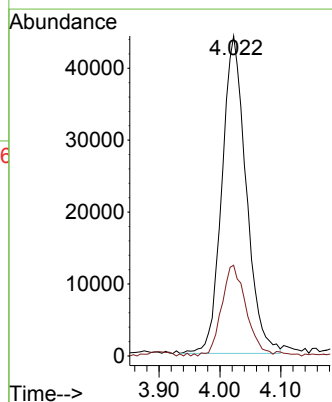
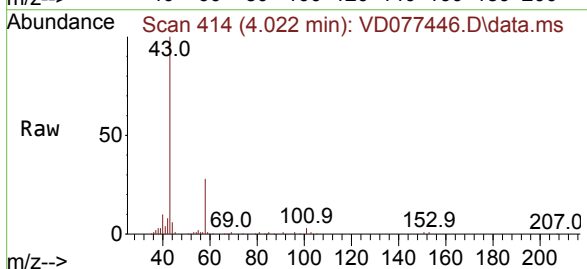


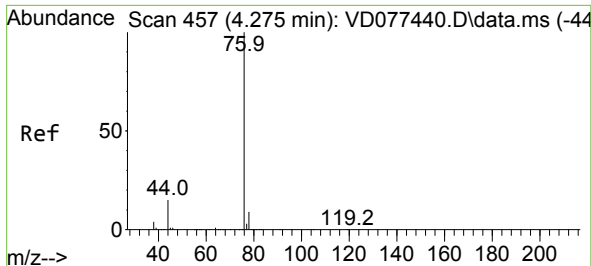
Tgt Ion: 53 Resp: 110421
Ion Ratio Lower Upper
53 100
52 81.1 65.0 97.4
51 37.0 28.3 42.5



#16
Acetone
Concen: 105.682 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 43 Resp: 121988
Ion Ratio Lower Upper
43 100
58 27.9 34.7 52.1#

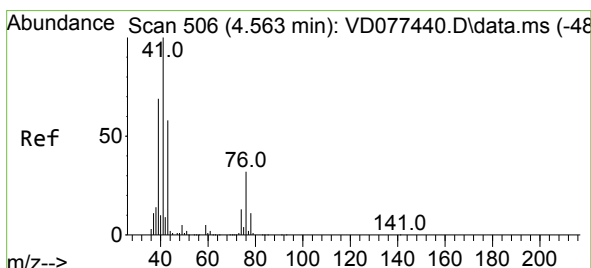
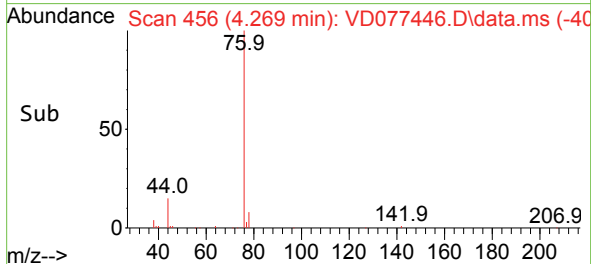
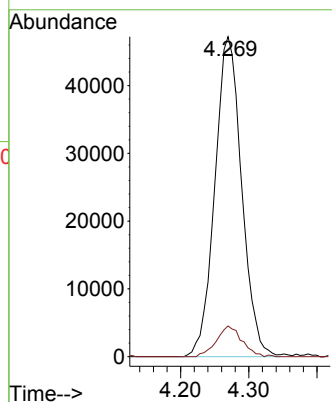
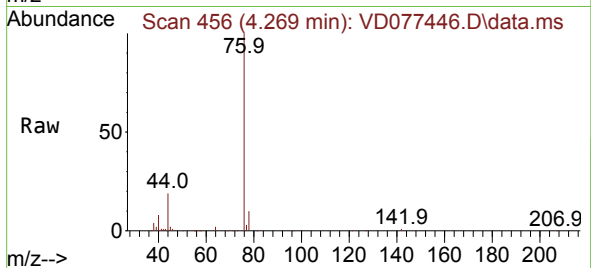




#17
Carbon Disulfide
Concen: 16.315 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

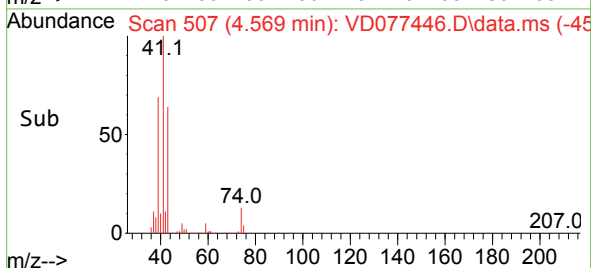
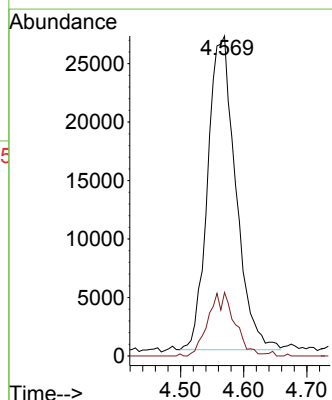
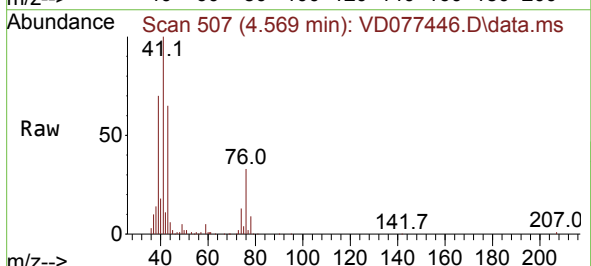
Instrument :
MSVOA_D
ClientSampleId :

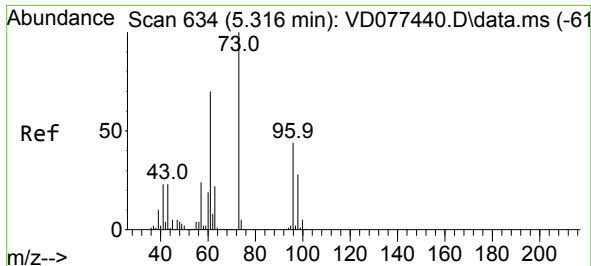
Tgt Ion: 76 Resp: 129098
Ion Ratio Lower Upper
76 100
78 9.6 6.8 10.2



#18
Methyl Acetate
Concen: 19.655 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 43 Resp: 82755
Ion Ratio Lower Upper
43 100
74 9.9 26.4 39.6#

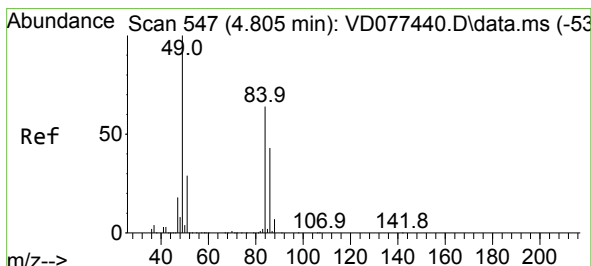
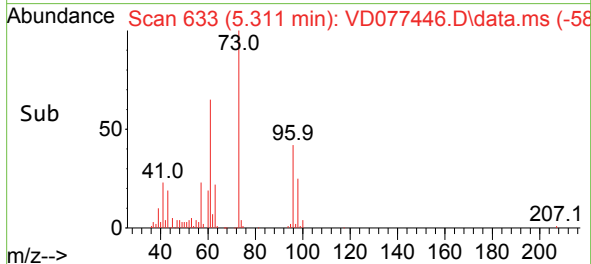
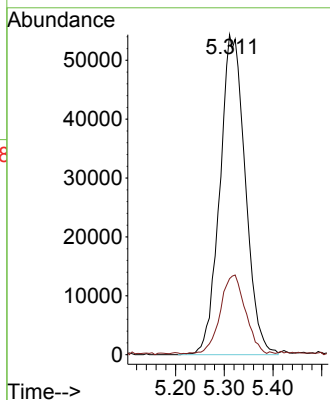
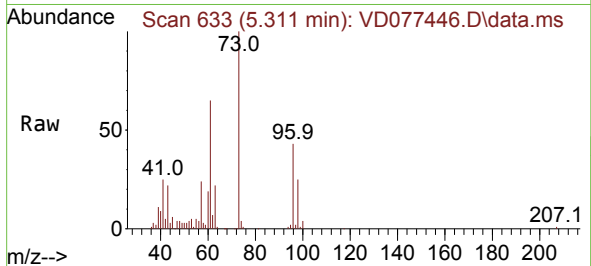




#19
Methyl tert-butyl Ether
Concen: 20.357 ug/l
RT: 5.311 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

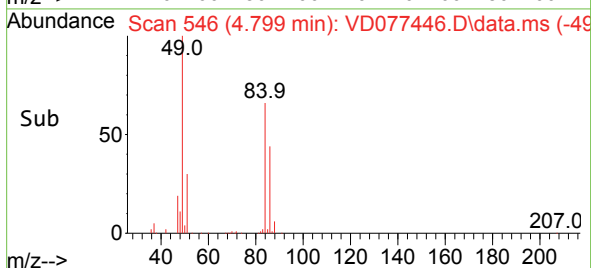
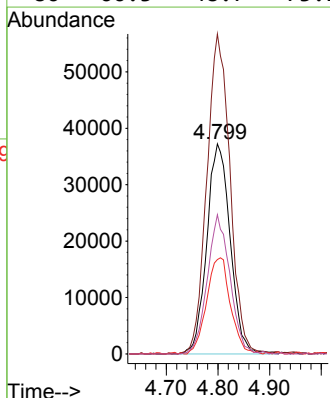
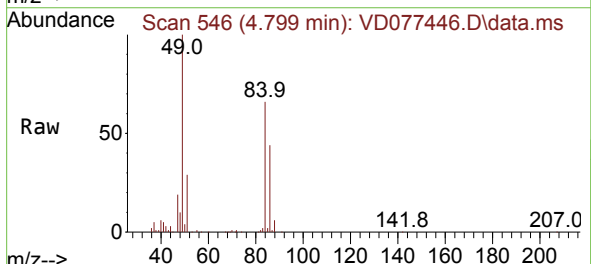
Instrument :
MSVOA_D
ClientSampleId :

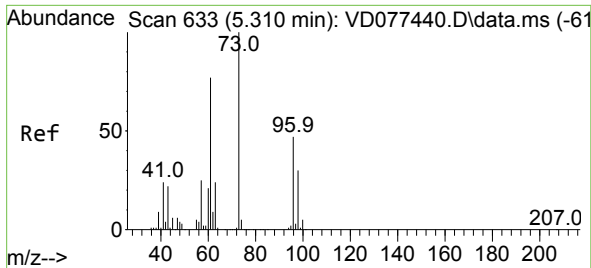
Tgt Ion: 73 Resp: 196955
Ion Ratio Lower Upper
73 100
57 23.2 16.6 25.0



#20
Methylene Chloride
Concen: 25.823 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

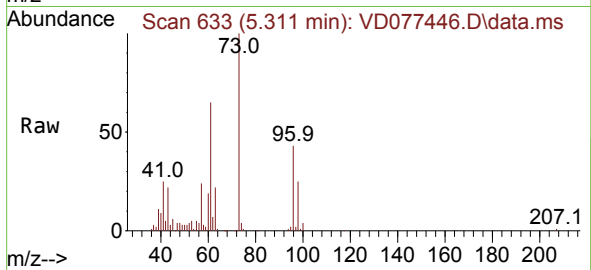
Tgt Ion: 84 Resp: 117130
Ion Ratio Lower Upper
84 100
49 152.3 71.4 107.2#
51 44.9 24.5 36.7#
86 66.3 48.7 73.1



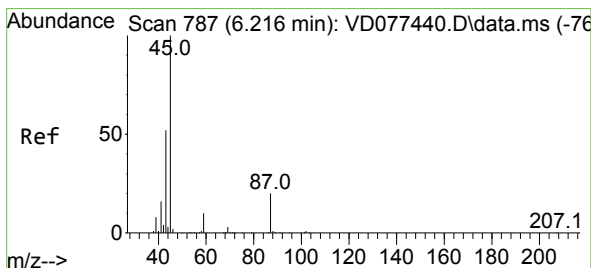
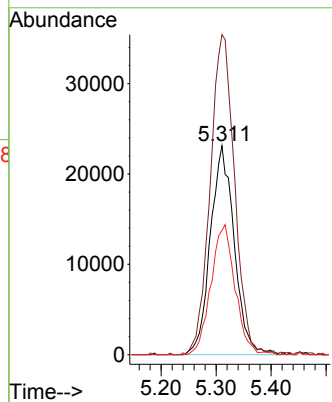
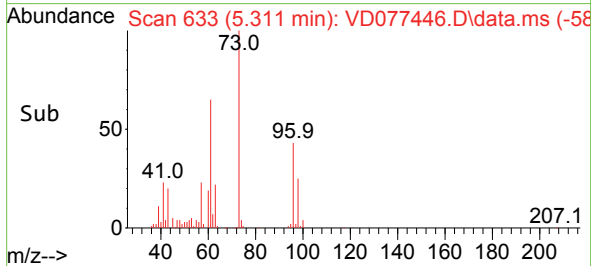


#21
trans-1,2-Dichloroethene
Concen: 19.437 ug/l
RT: 5.311 min Scan# 61
Delta R.T. 0.001 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

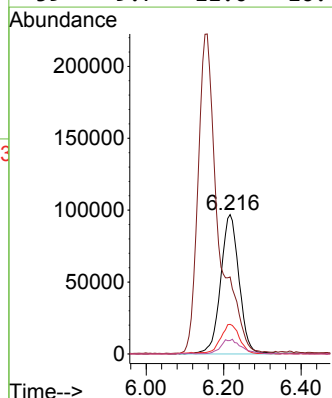
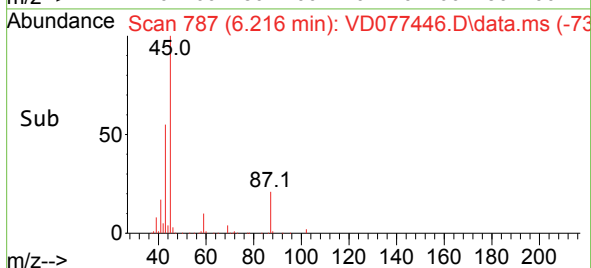
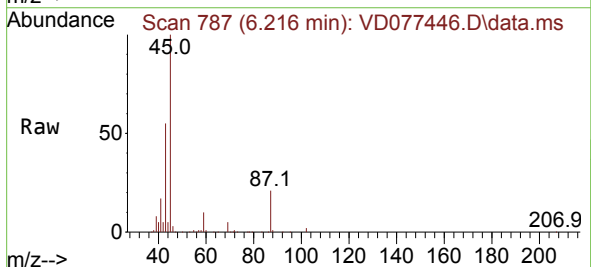


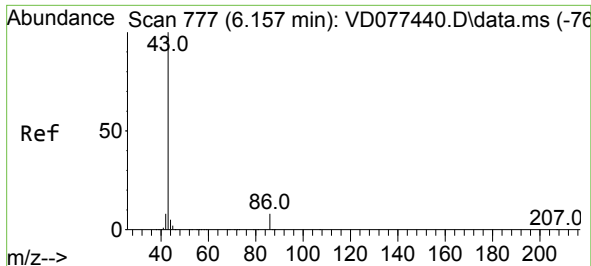
Tgt Ion: 96 Resp: 69771
Ion Ratio Lower Upper
96 100
61 153.1 89.3 133.9#
98 59.4 48.6 73.0



#22
Diisopropyl ether
Concen: 20.245 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 45 Resp: 319943
Ion Ratio Lower Upper
45 100
43 54.8 40.0 60.0
87 21.3 28.2 42.4#
59 9.7 11.0 16.4#

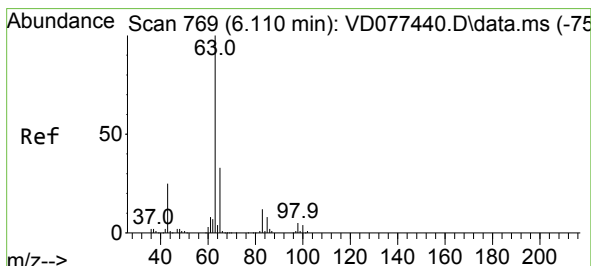
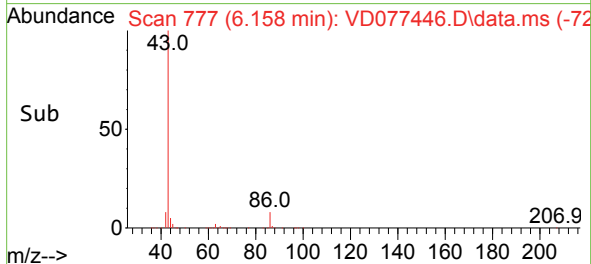
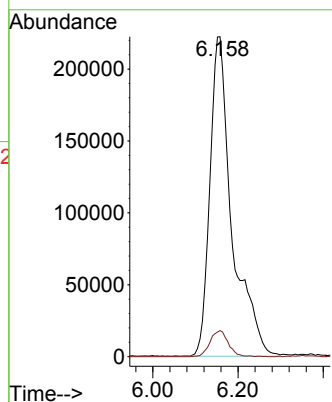
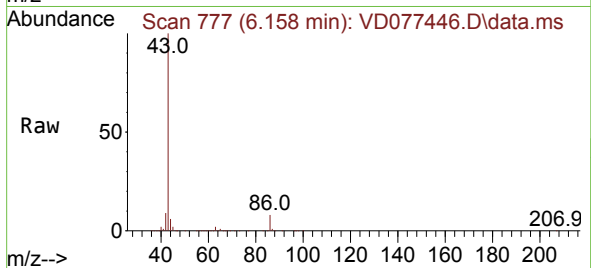




#23
 Vinyl Acetate
 Concen: 117.830 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

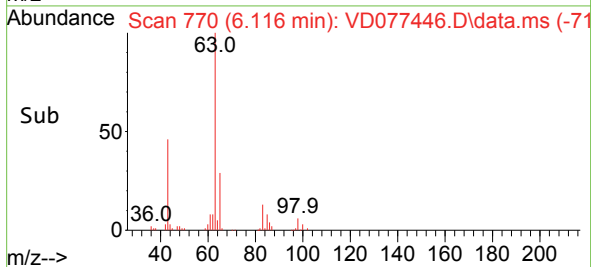
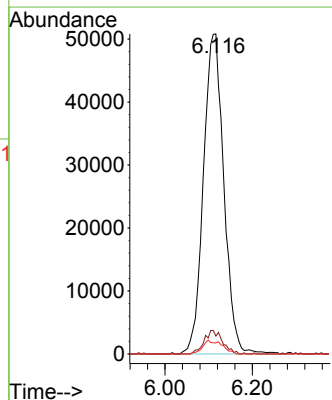
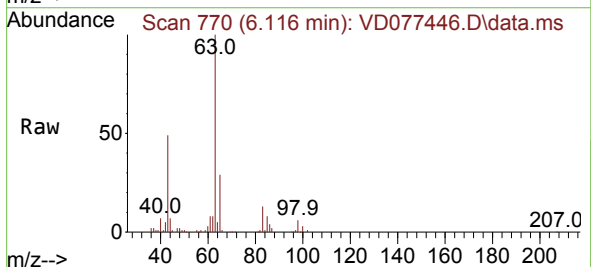
Instrument :
 MSVOA_D
 ClientSampleId :

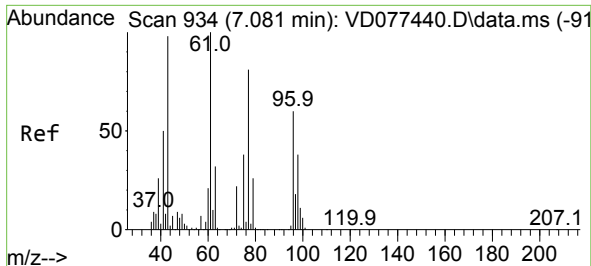
Tgt Ion: 43 Resp: 803337
 Ion Ratio Lower Upper
 43 100
 86 8.1 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 20.144 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.006 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

Tgt Ion: 63 Resp: 165179
 Ion Ratio Lower Upper
 63 100
 98 5.6 4.5 13.7
 100 3.5 2.5 7.5

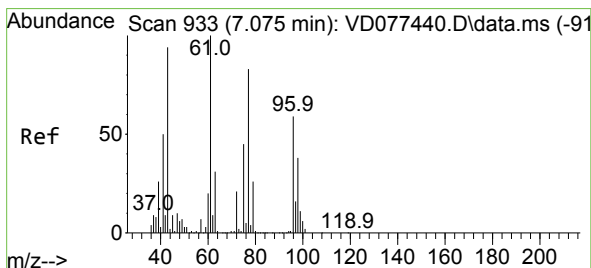
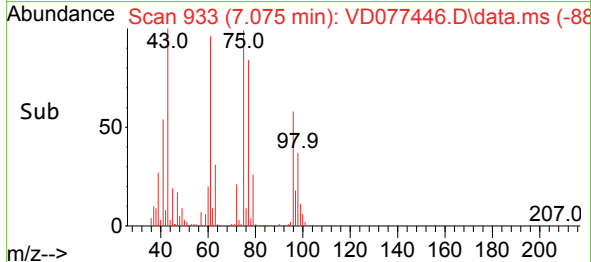
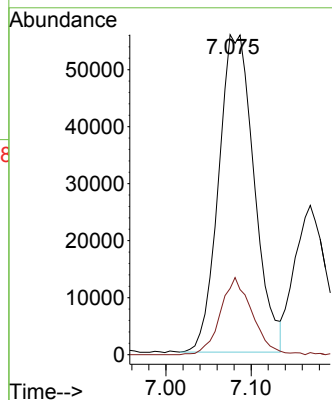
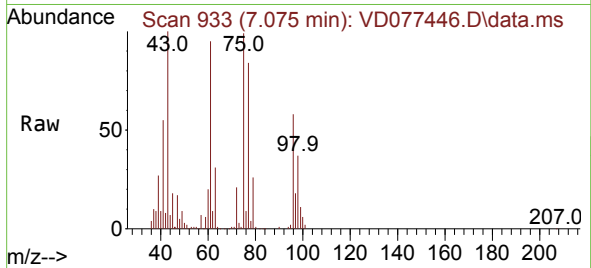




#25
2-Butanone
Concen: 105.072 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

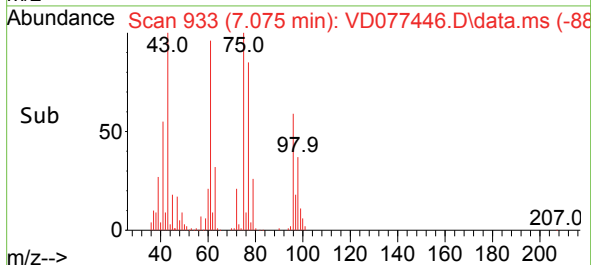
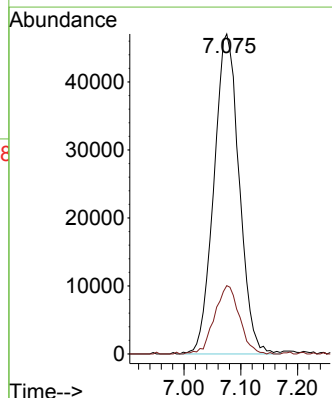
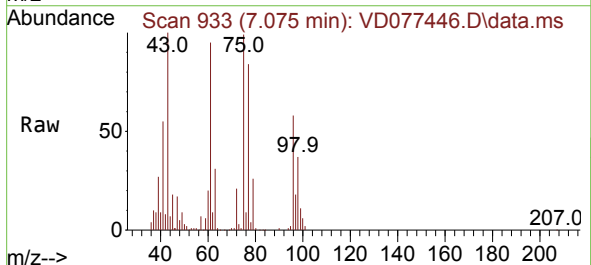
Instrument :
MSVOA_D
ClientSampleId :

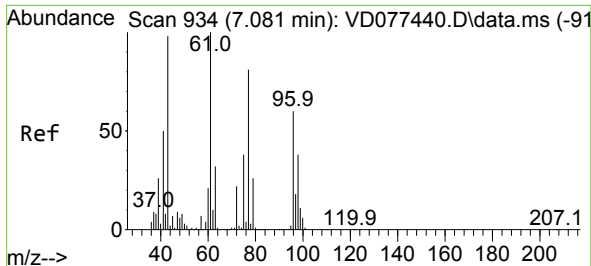
Tgt Ion: 43 Resp: 161775
Ion Ratio Lower Upper
43 100
72 20.9 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 20.007 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

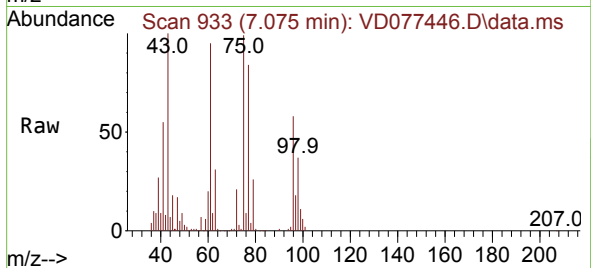
Tgt Ion: 77 Resp: 145387
Ion Ratio Lower Upper
77 100
97 21.0 13.2 39.6



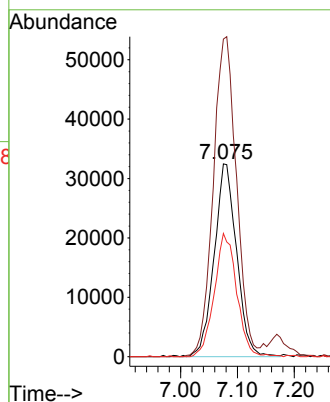
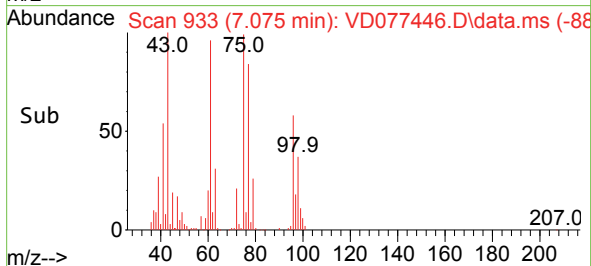


#27
 cis-1,2-Dichloroethene
 Concen: 20.024 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

Instrument :
 MSVOA_D
 ClientSampleId :

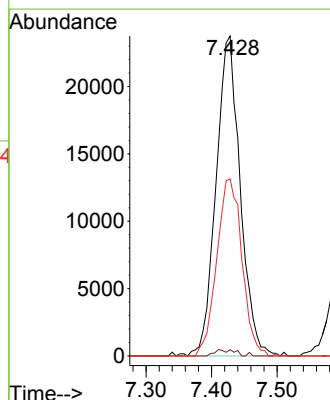
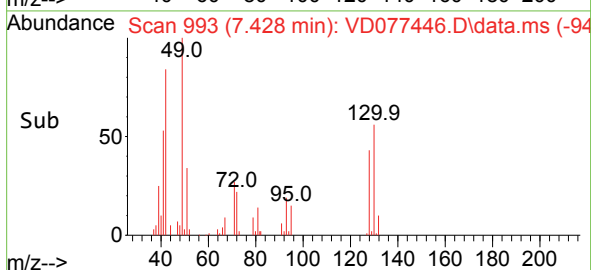
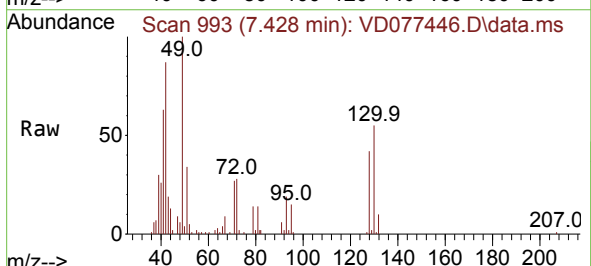


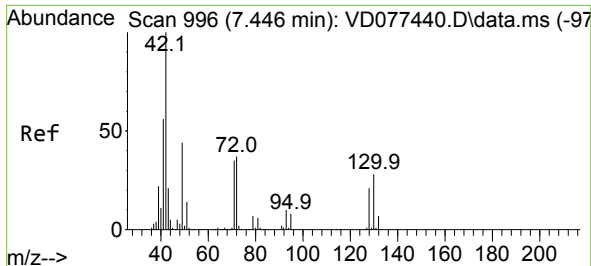
Tgt Ion: 96 Resp: 89050
 Ion Ratio Lower Upper
 96 100
 61 171.4 0.0 239.2
 98 63.9 0.0 128.6



#28
 Bromochloromethane
 Concen: 17.769 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.006 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

Tgt Ion: 49 Resp: 60789
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 6.0
 130 57.6 83.2 124.8#





#29

Tetrahydrofuran

Concen: 104.089 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

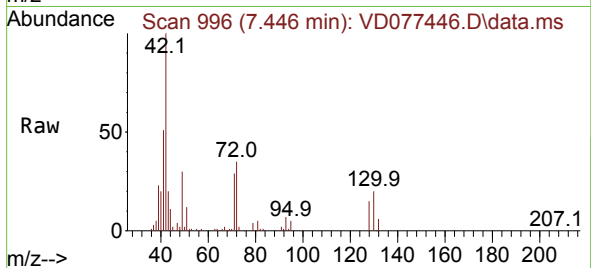
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

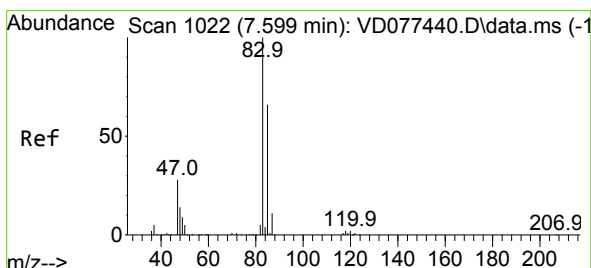
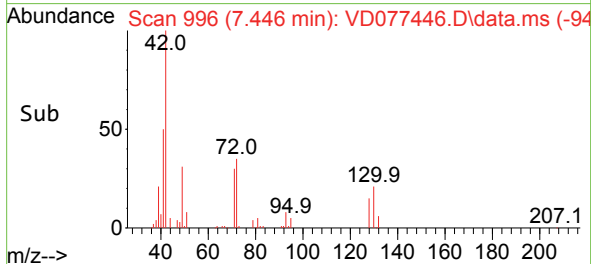
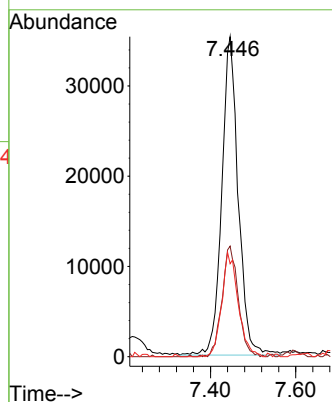
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	95049
Ion Ratio	Lower	Upper	
42	100		
72	34.2	46.5	69.7#
71	32.6	44.5	66.7#



#30

Chloroform

Concen: 19.823 ug/l

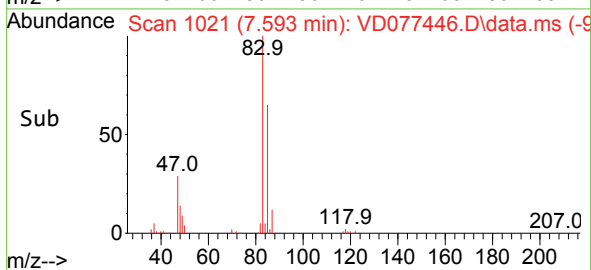
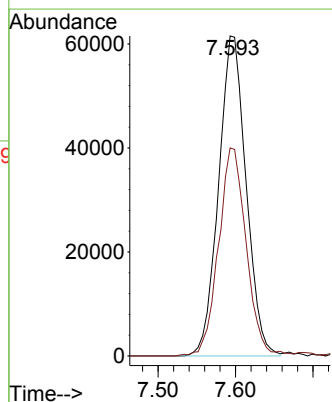
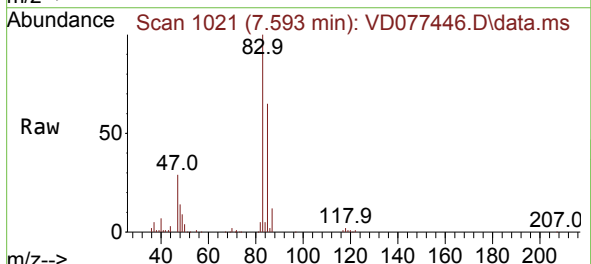
RT: 7.593 min Scan# 1021

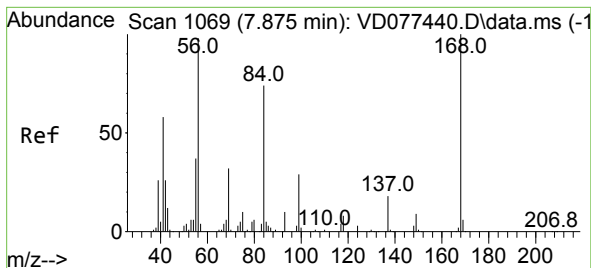
Delta R.T. -0.006 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Tgt Ion:	83	Resp:	151775
Ion Ratio	Lower	Upper	
83	100		
85	64.7	53.4	80.2





#31

Cyclohexane

Concen: 19.569 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

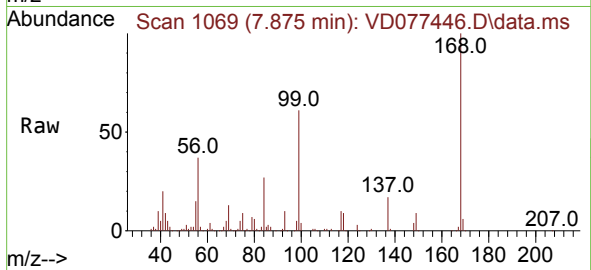
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :



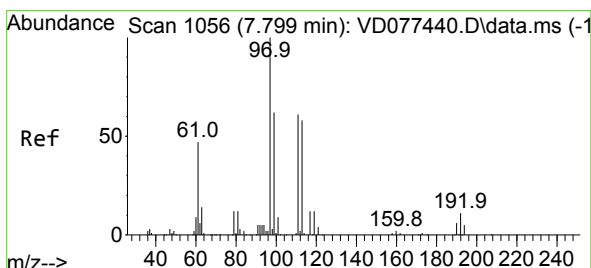
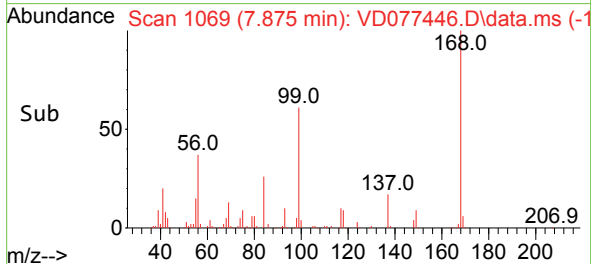
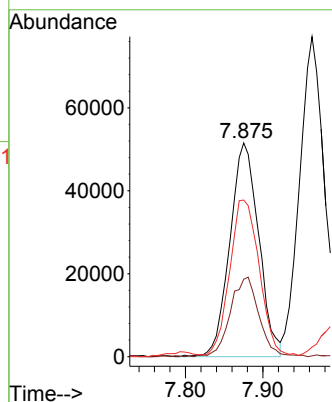
Tgt Ion: 56 Resp: 133447

Ion Ratio Lower Upper

56 100

69 35.9 28.6 43.0

84 70.9 84.8 127.2#



#32

1,1,1-Trichloroethane

Concen: 20.433 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

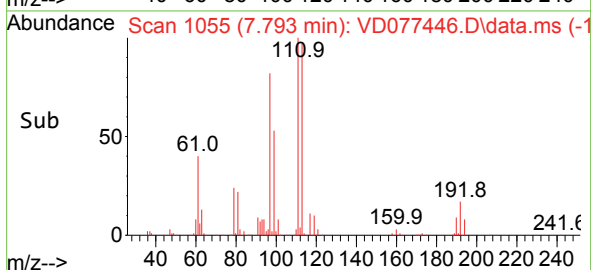
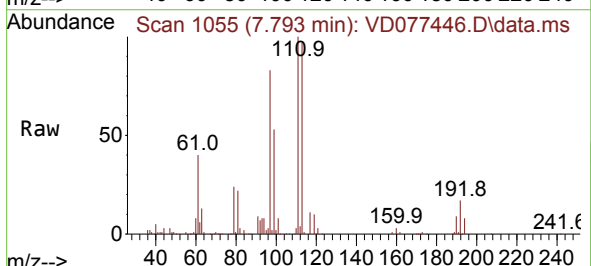
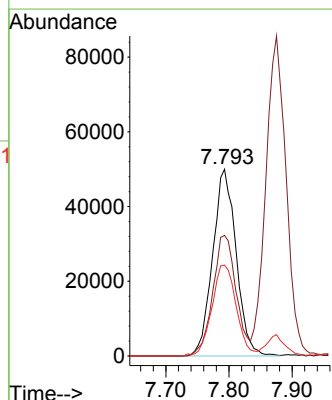
Tgt Ion: 97 Resp: 128898

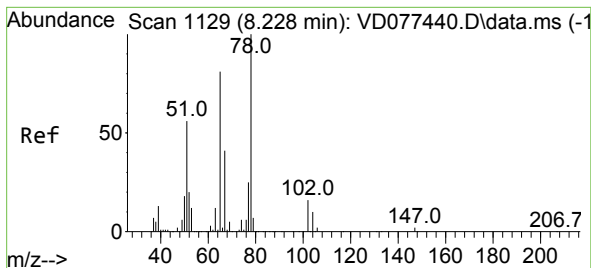
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 50.6 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 52.963 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

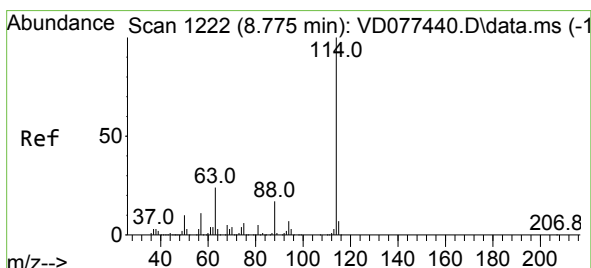
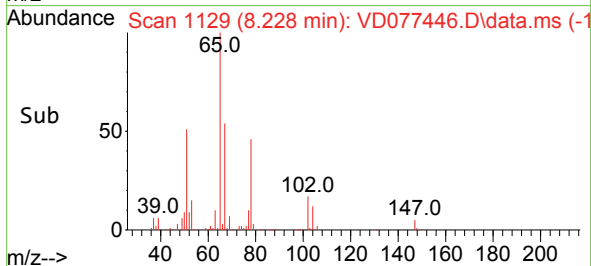
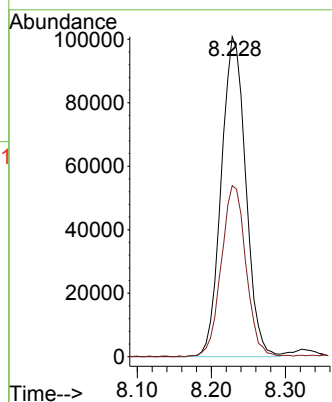
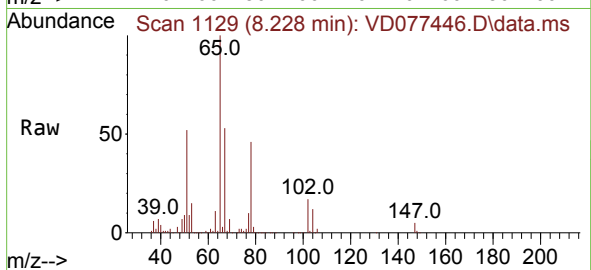
ClientSampleId :

Tgt Ion: 65 Resp: 231038

Ion Ratio Lower Upper

65 100

67 54.1 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: VD077446.D

Acq: 30 Oct 2023 14:33

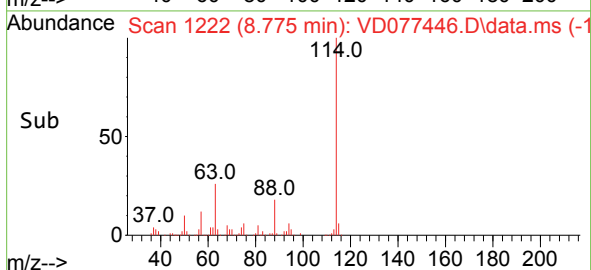
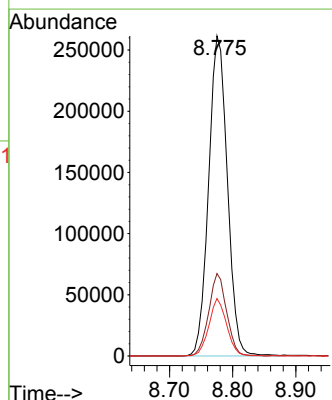
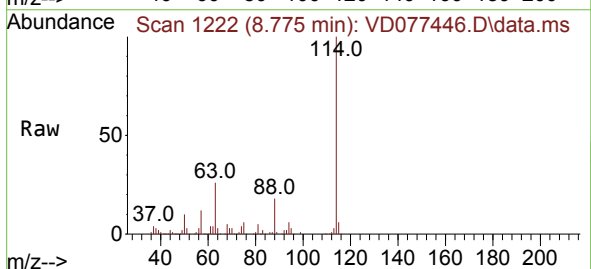
Tgt Ion: 114 Resp: 539651

Ion Ratio Lower Upper

114 100

63 25.7 0.0 33.4

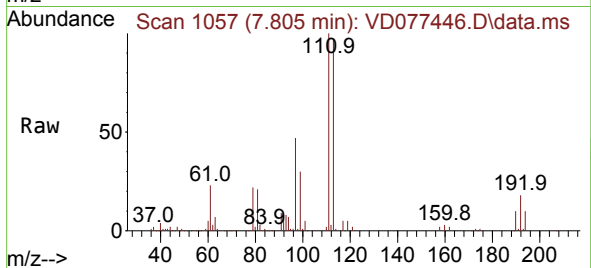
88 18.0 0.0 26.2



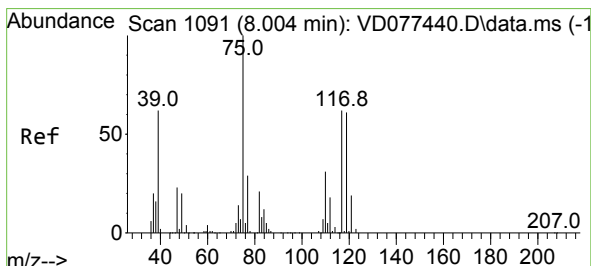
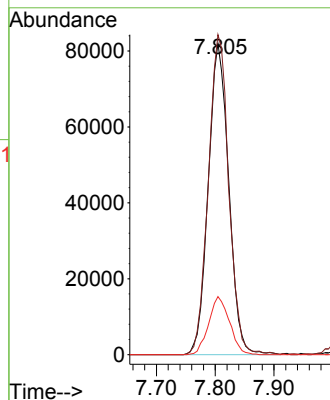
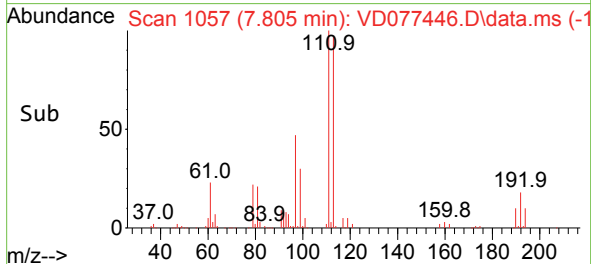


#35
Dibromofluoromethane
Concen: 53.190 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

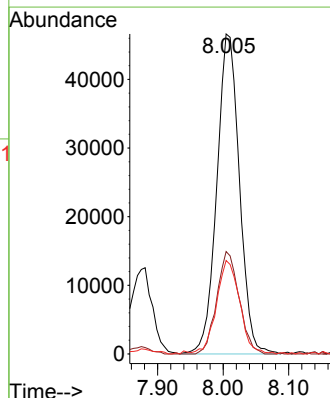
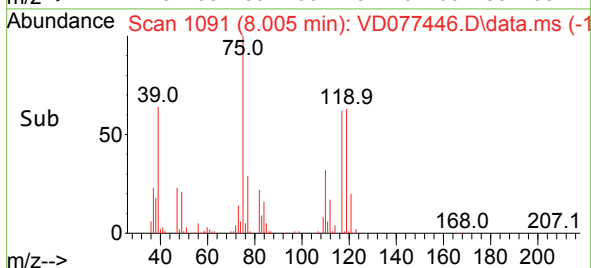
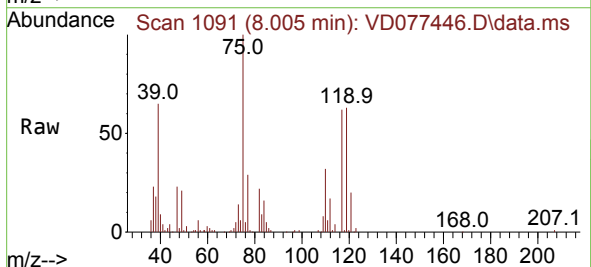


Tgt Ion:113 Resp: 198392
Ion Ratio Lower Upper
113 100
111 102.9 84.7 127.1
192 19.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 20.158 ug/l
RT: 8.005 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 75 Resp: 111477
Ion Ratio Lower Upper
75 100
110 31.6 19.9 59.6
77 30.3 24.7 37.1





#37

Ethyl Acetate

Concen: 20.999 ug/l

RT: 7.169 min Scan# 949

Delta R.T. 0.000 min

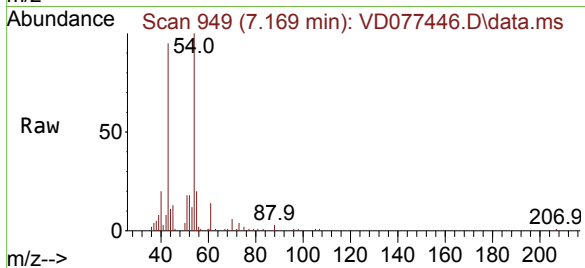
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

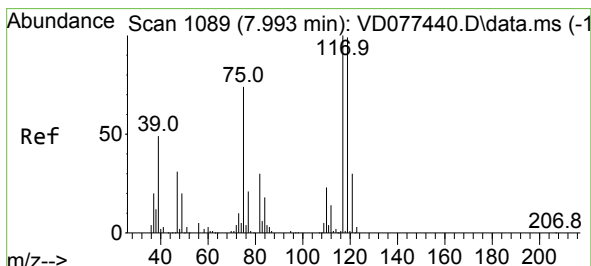
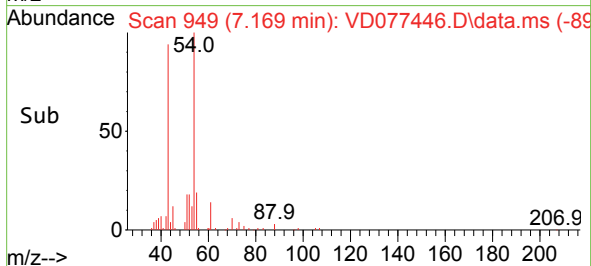
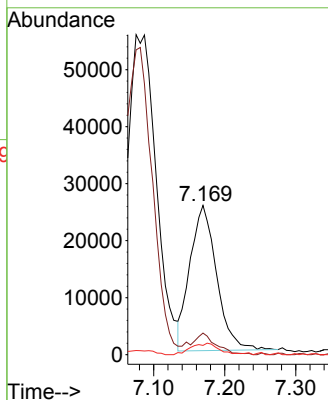
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	66644
Ion	Ratio	Lower	Upper
43	100		
61	13.3	14.9	22.3#
70	8.2	10.0	15.0#



#38

Carbon Tetrachloride

Concen: 20.617 ug/l

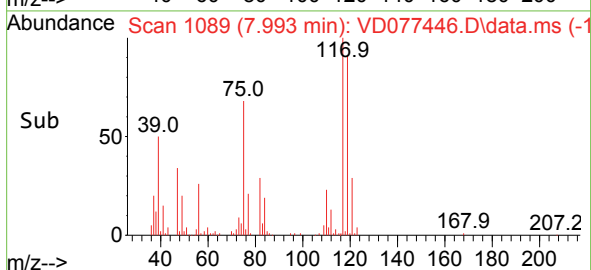
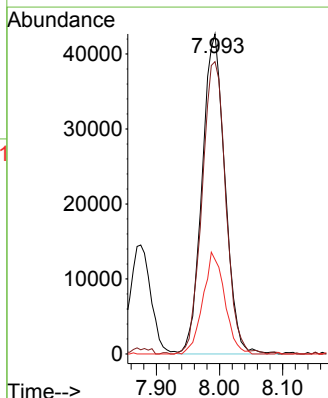
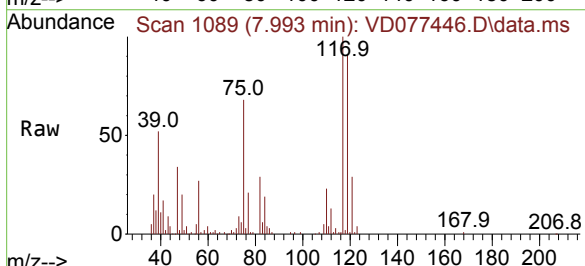
RT: 7.993 min Scan# 1089

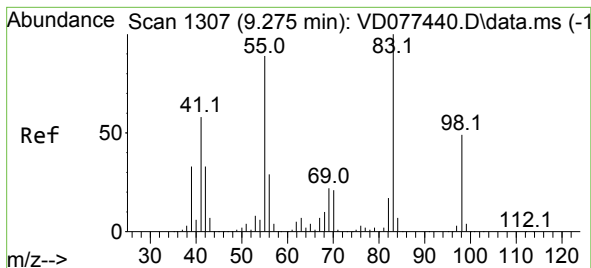
Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Tgt Ion:	117	Resp:	107440
Ion	Ratio	Lower	Upper
117	100		
119	91.0	78.0	117.0
121	29.1	24.2	36.2





#39

Methylcyclohexane

Concen: 19.820 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

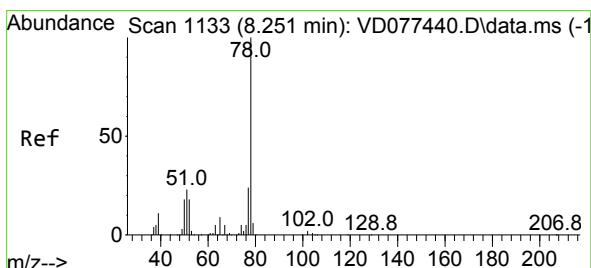
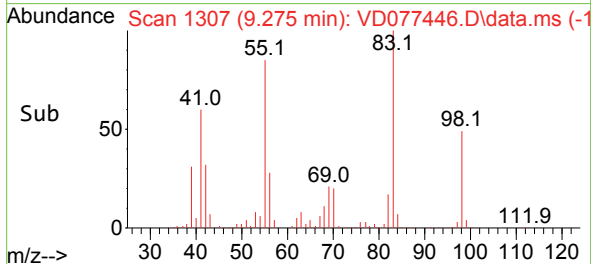
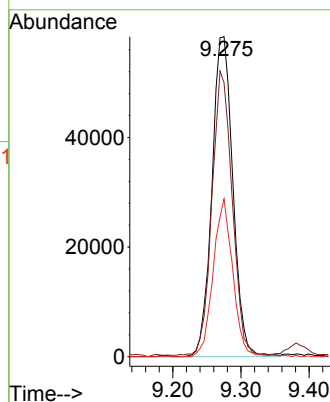
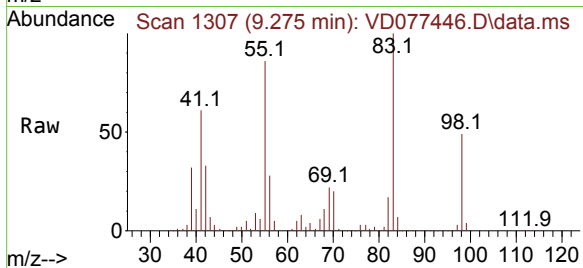
Tgt Ion: 83 Resp: 125062

Ion Ratio Lower Upper

83 100

55 84.9 49.4 74.0#

98 49.3 38.4 57.6



#40

Benzene

Concen: 19.700 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD077446.D

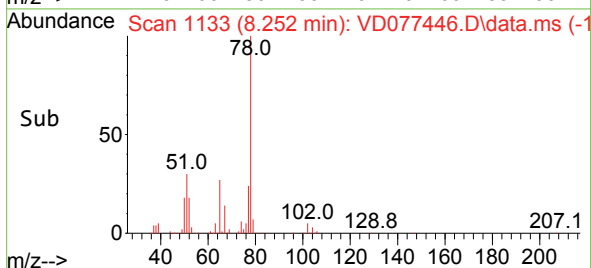
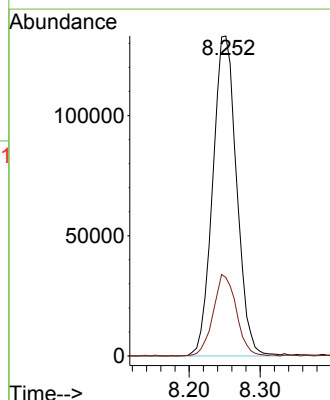
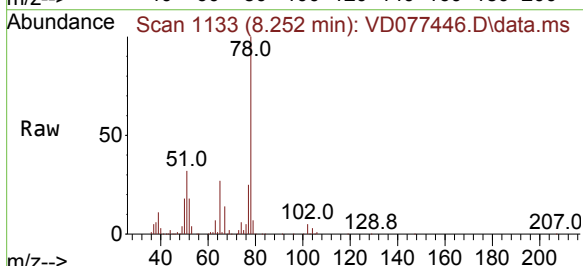
Acq: 30 Oct 2023 14:33

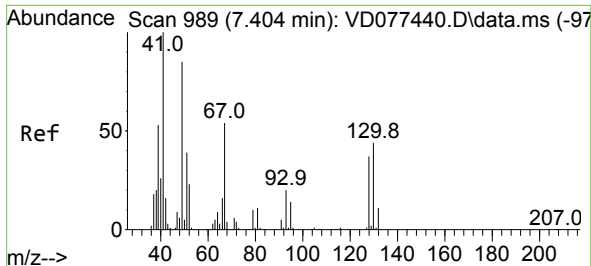
Tgt Ion: 78 Resp: 310655

Ion Ratio Lower Upper

78 100

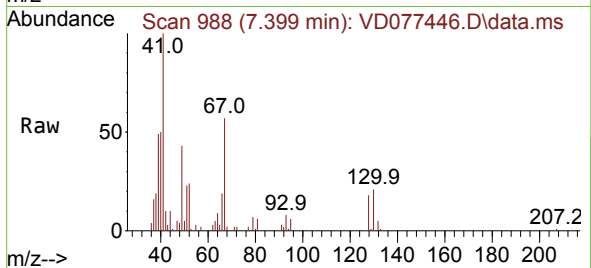
77 24.6 19.4 29.0



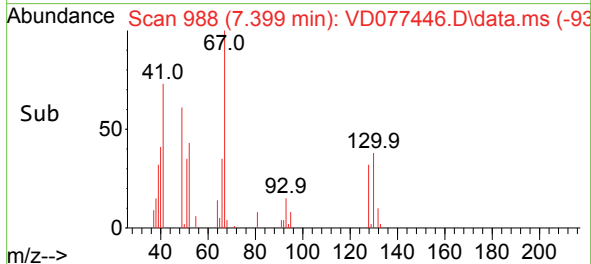
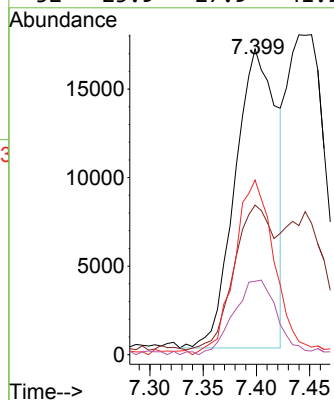


#41
Methacrylonitrile
Concen: 22.557 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

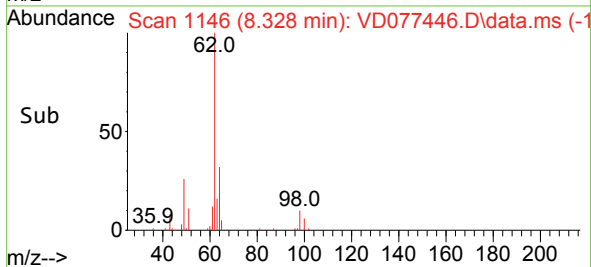
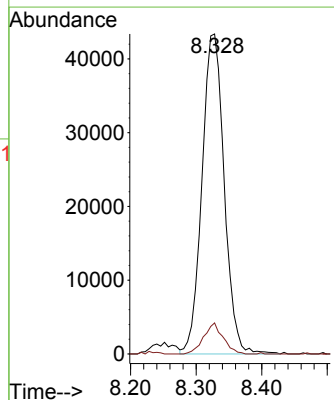
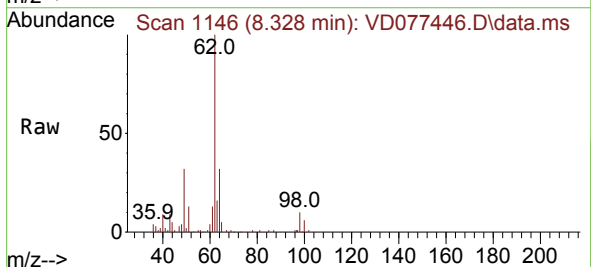


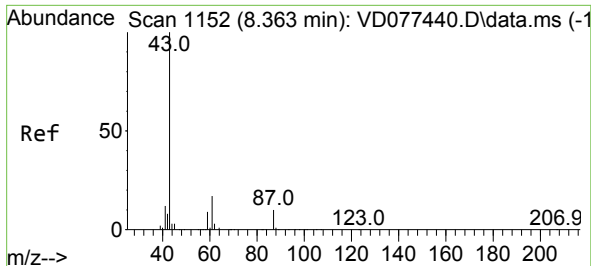
Tgt Ion: 41 Resp: 45807
Ion Ratio Lower Upper
41 100
39 44.2 34.0 51.0
67 57.7 77.0 115.4#
52 25.9 27.9 41.9#



#42
1,2-Dichloroethane
Concen: 20.495 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

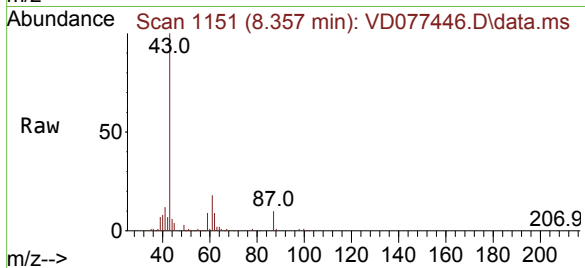
Tgt Ion: 62 Resp: 102363
Ion Ratio Lower Upper
62 100
98 8.5 0.0 25.4



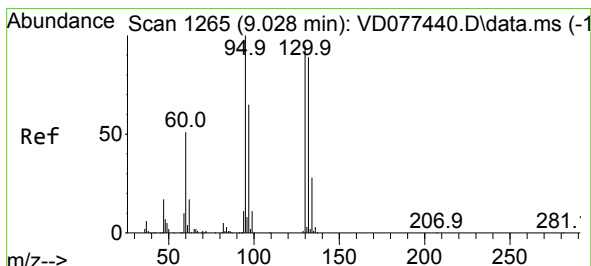
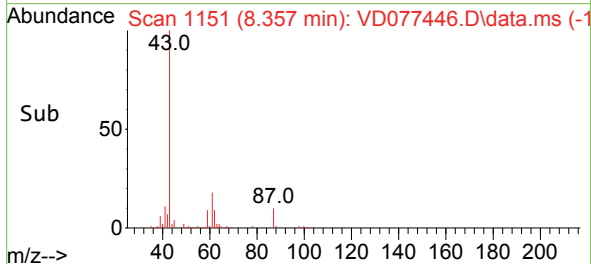
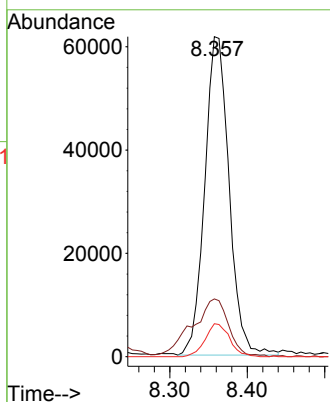


#43
Isopropyl Acetate
Concen: 20.608 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

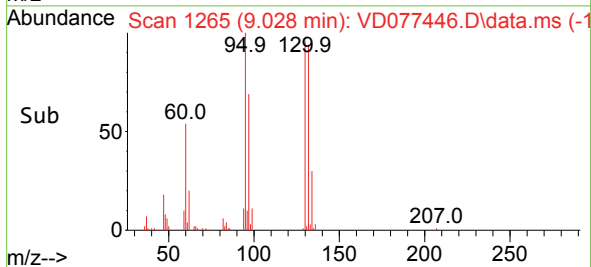
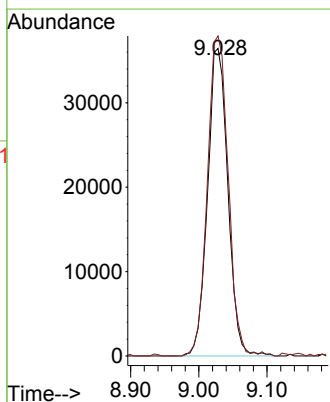
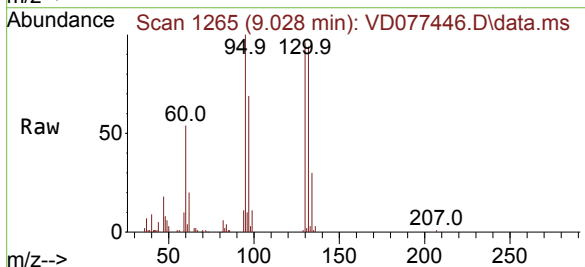


Tgt Ion: 43 Resp: 134967
Ion Ratio Lower Upper
43 100
61 27.2 31.4 47.0#
87 10.4 14.9 22.3#



#44
Trichloroethene
Concen: 19.585 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion:130 Resp: 75651
Ion Ratio Lower Upper
130 100
95 104.0 0.0 179.2





#45

1,2-Dichloropropane

Concen: 20.463 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

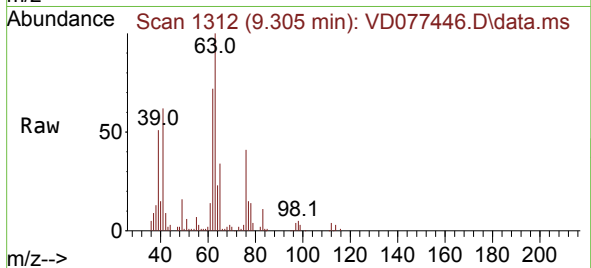
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

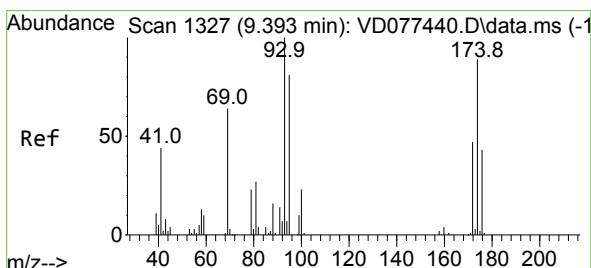
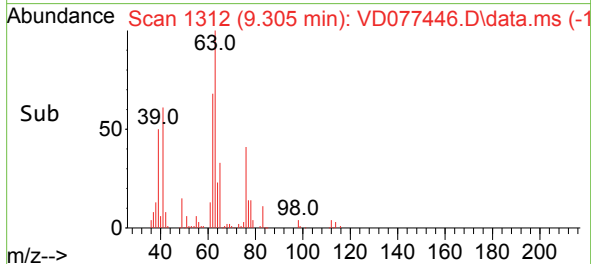
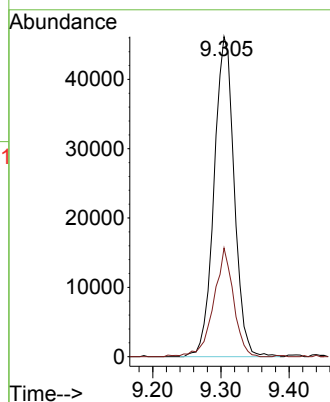


Tgt Ion: 63 Resp: 94999

Ion Ratio Lower Upper

63 100

65 33.6 24.5 36.7



#46

Dibromomethane

Concen: 19.704 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

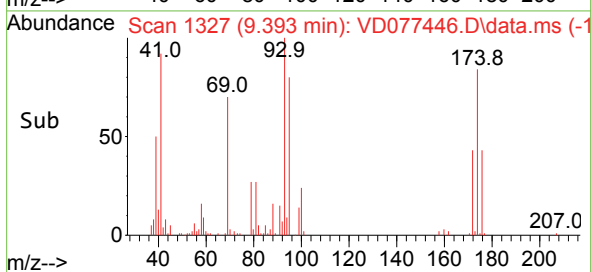
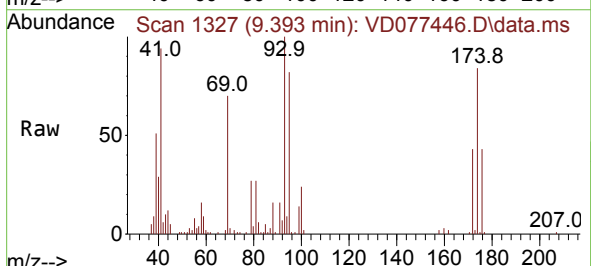
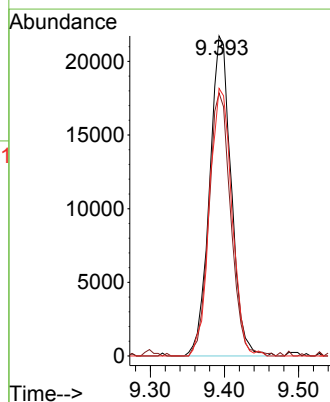
Tgt Ion: 93 Resp: 44023

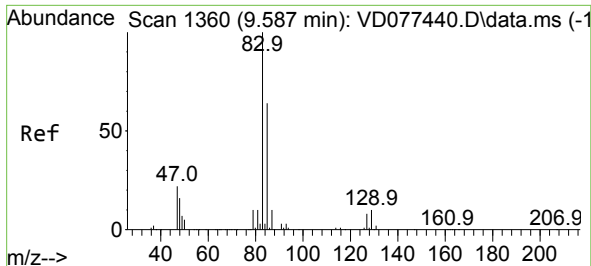
Ion Ratio Lower Upper

93 100

95 83.3 67.7 101.5

174 86.6 85.4 128.2

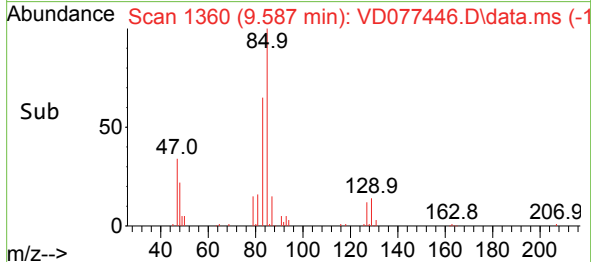
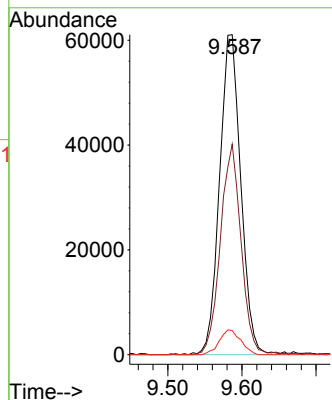
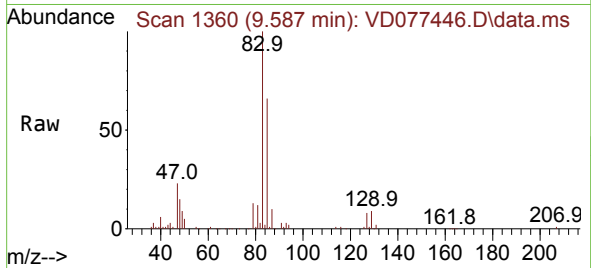




#47
Bromodichloromethane
Concen: 20.587 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

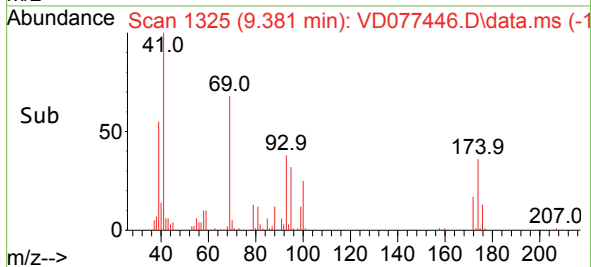
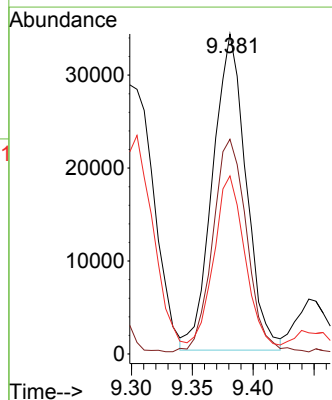
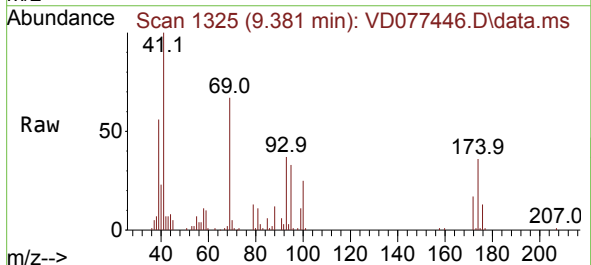
Instrument :
MSVOA_D
ClientSampleId :

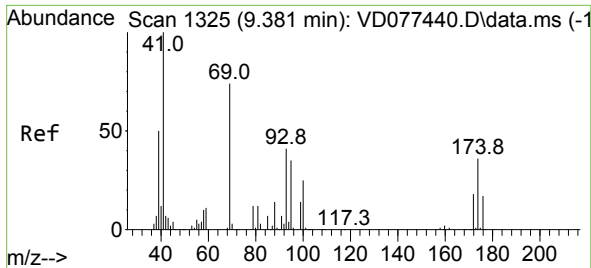
Tgt Ion: 83 Resp: 121571
Ion Ratio Lower Upper
83 100
85 65.8 50.2 75.4
127 7.5 6.3 9.5



#48
Methyl methacrylate
Concen: 20.764 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

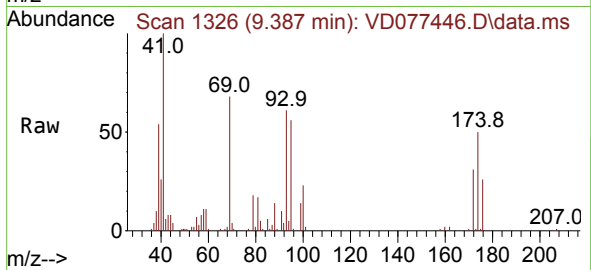
Tgt Ion: 41 Resp: 64912
Ion Ratio Lower Upper
41 100
69 69.0 102.2 153.2#
39 52.5 41.4 62.2



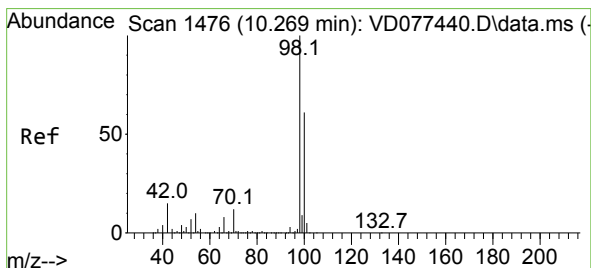
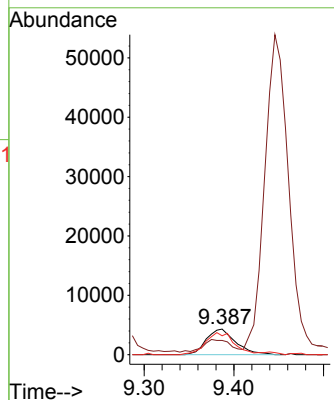
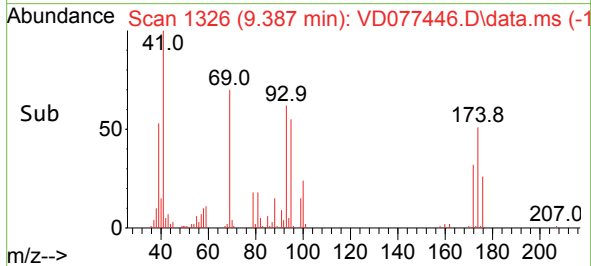


#49
1,4-Dioxane
Concen: 408.045 ug/l
RT: 9.387 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

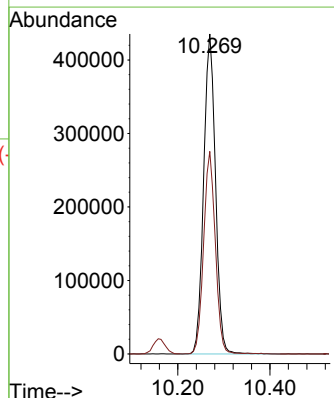
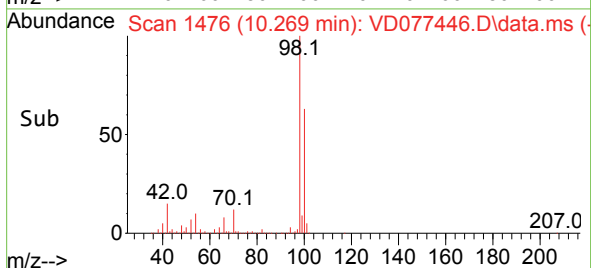
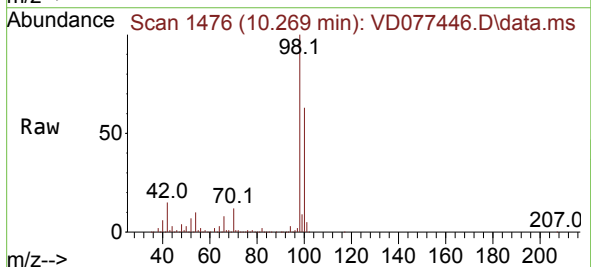


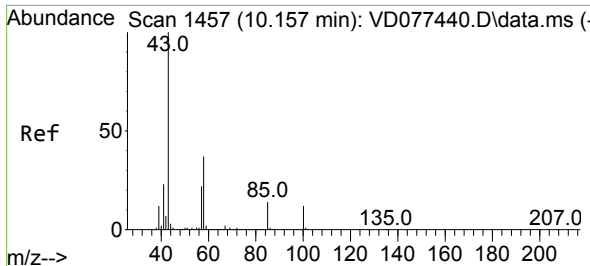
Tgt Ion: 88 Resp: 9796
Ion Ratio Lower Upper
88 100
43 45.0 19.0 28.6#
58 86.1 43.5 65.3#



#50
Toluene-d8
Concen: 53.816 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 98 Resp: 779670
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5

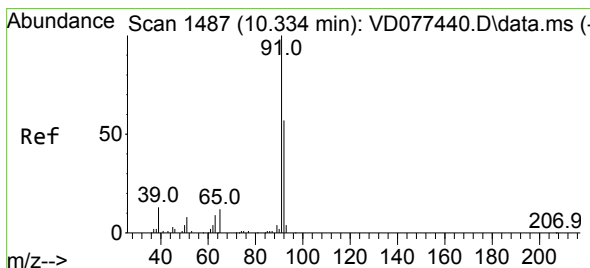
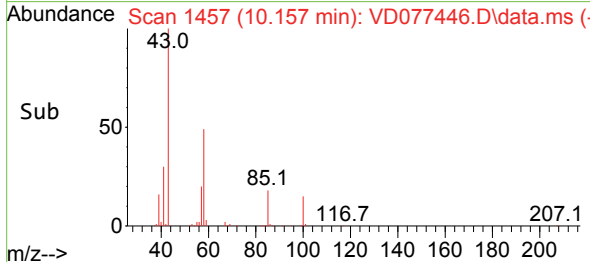
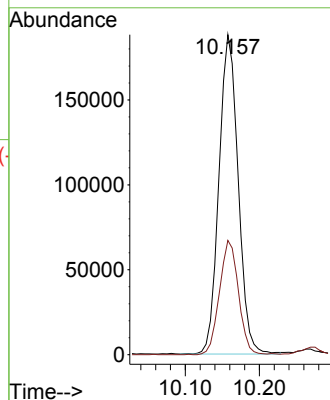
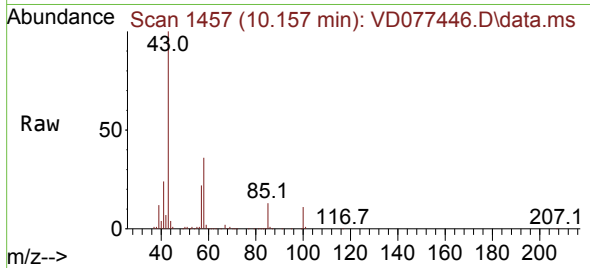




#51
4-Methyl-2-Pentanone
Concen: 105.073 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

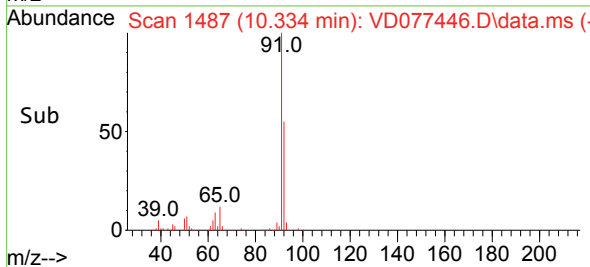
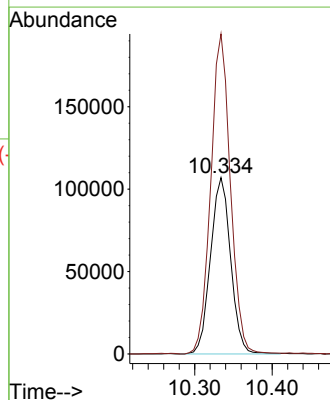
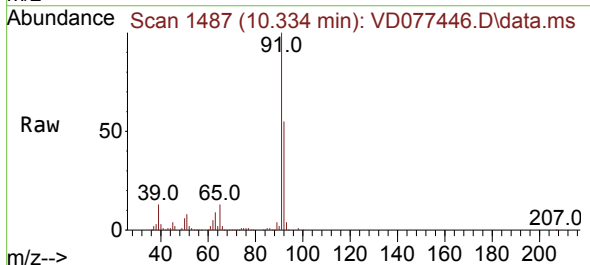
Instrument :
MSVOA_D
ClientSampleId :

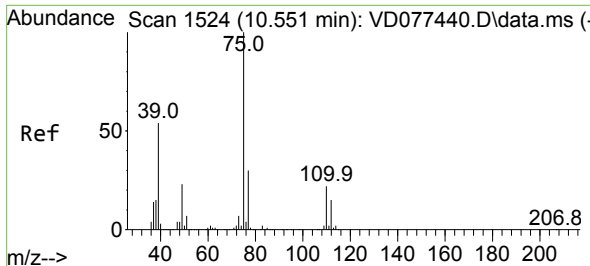
Tgt Ion: 43 Resp: 338716
Ion Ratio Lower Upper
43 100
58 35.3 38.9 58.3#



#52
Toluene
Concen: 20.117 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

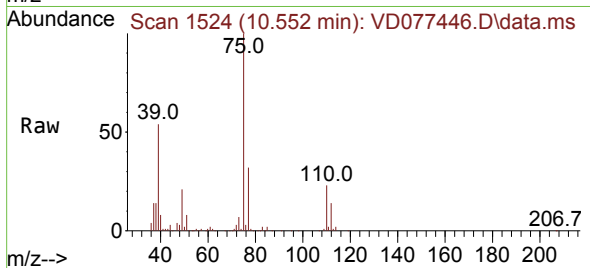
Tgt Ion: 92 Resp: 193391
Ion Ratio Lower Upper
92 100
91 177.9 143.0 214.4



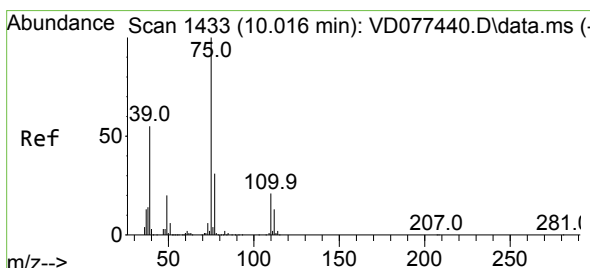
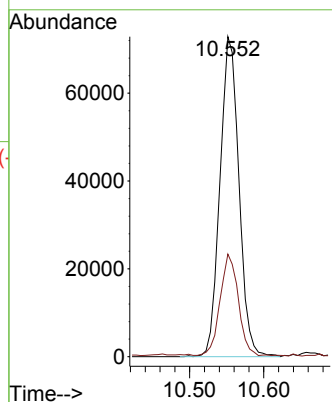
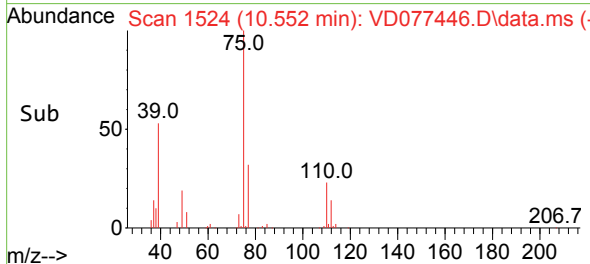


#53
t-1,3-Dichloropropene
Concen: 20.714 ug/l
RT: 10.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

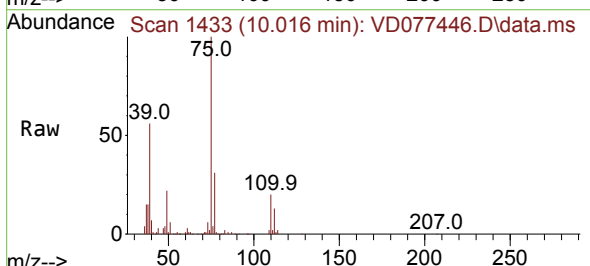
Instrument :
MSVOA_D
ClientSampleId :



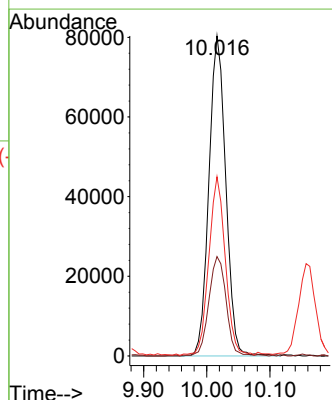
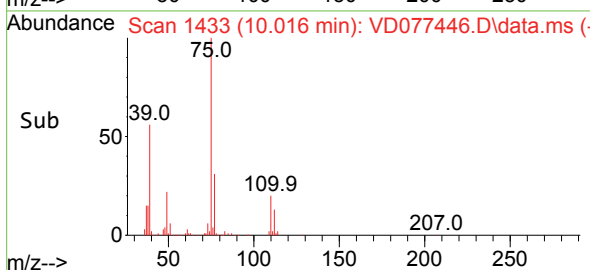
Tgt Ion: 75 Resp: 129529
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

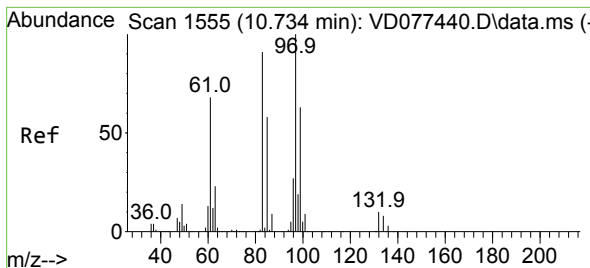


#54
cis-1,3-Dichloropropene
Concen: 20.693 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33



Tgt Ion: 75 Resp: 148902
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3
39 55.8 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 20.378 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

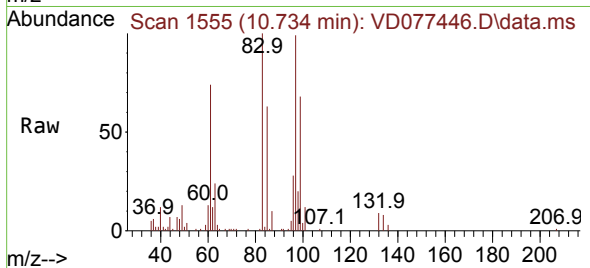
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 60743

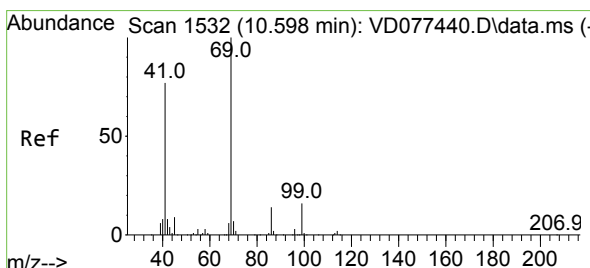
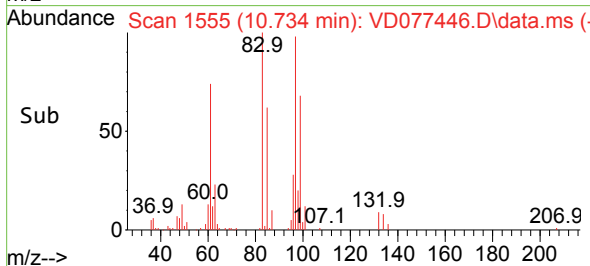
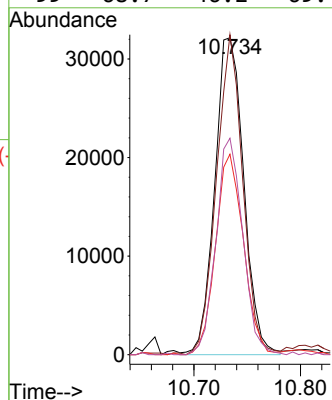
Ion Ratio Lower Upper

97 100

83 101.0 65.8 98.6#

85 63.6 45.7 68.5

99 68.7 46.2 69.4



#56

Ethyl methacrylate

Concen: 20.541 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

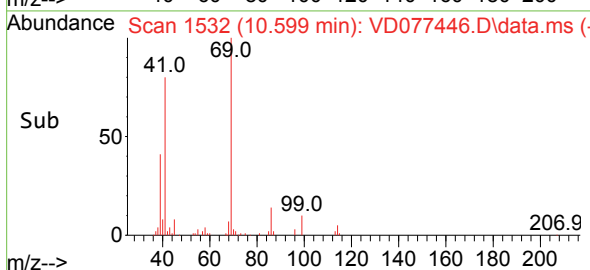
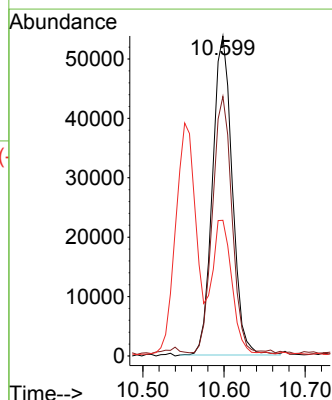
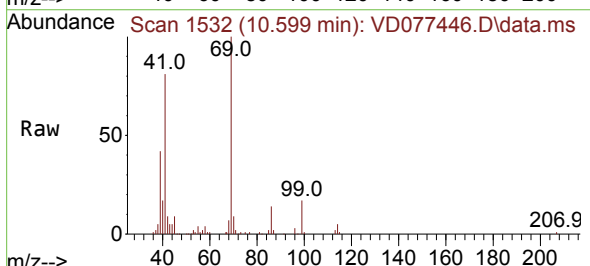
Tgt Ion: 69 Resp: 91037

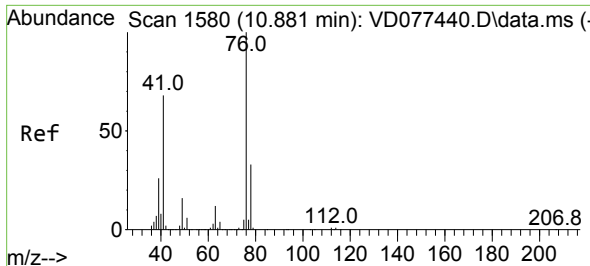
Ion Ratio Lower Upper

69 100

41 80.8 39.1 58.7#

39 42.2 20.0 30.0#

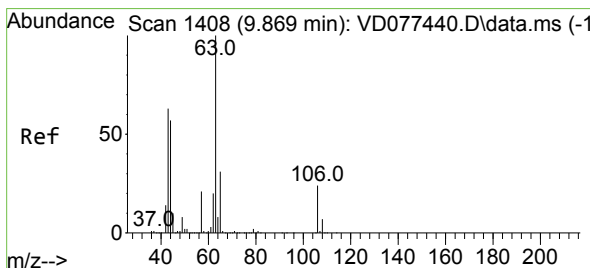
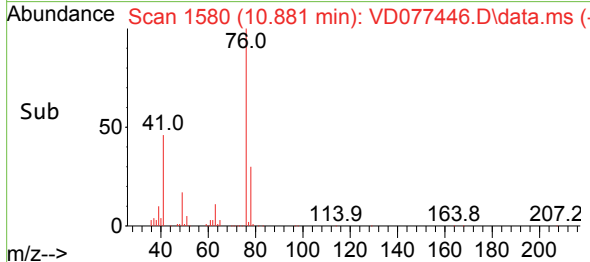
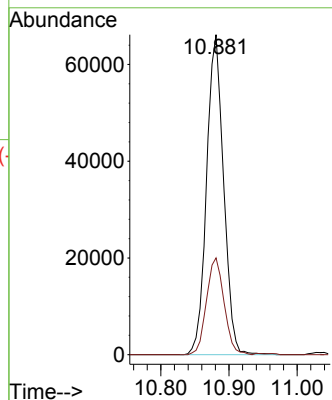
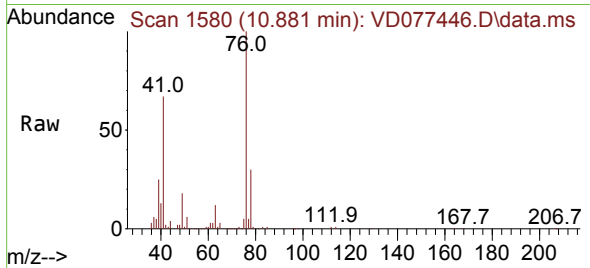




#57
1,3-Dichloropropane
Concen: 20.629 ug/l
RT: 10.881 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

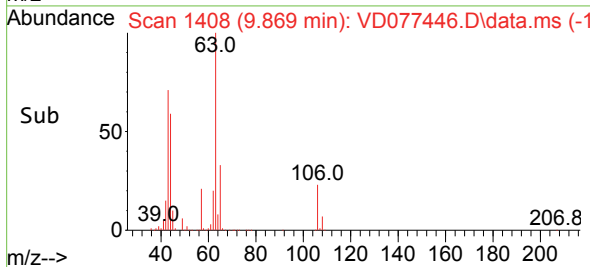
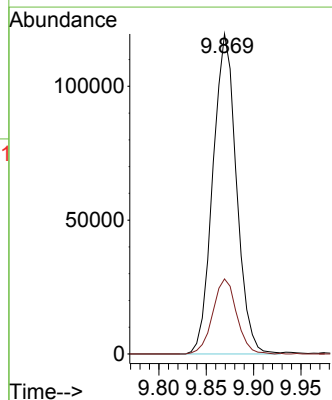
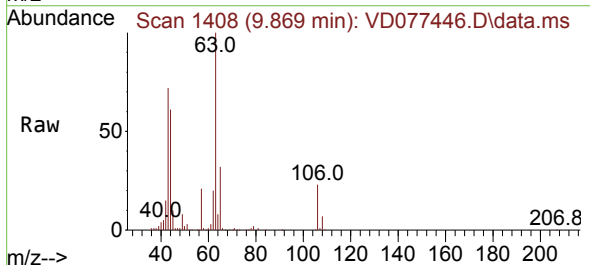
Instrument :
MSVOA_D
ClientSampleId :

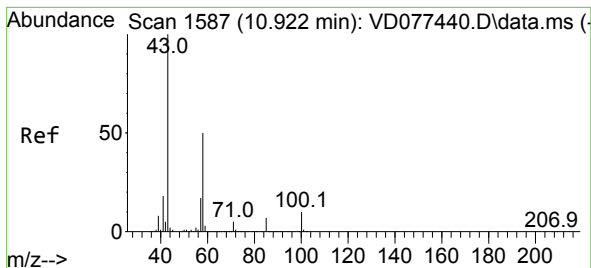
Tgt Ion: 76 Resp: 114933
Ion Ratio Lower Upper
76 100
78 31.2 26.4 39.6



#58
2-Chloroethyl Vinyl ether
Concen: 93.410 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 63 Resp: 207253
Ion Ratio Lower Upper
63 100
106 23.8 25.3 37.9#

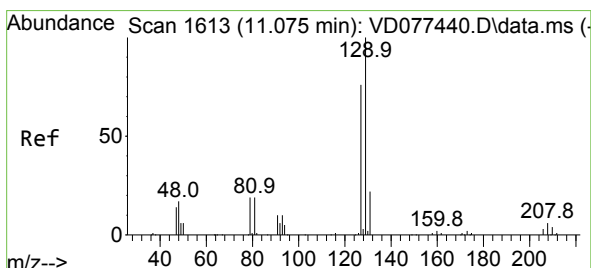
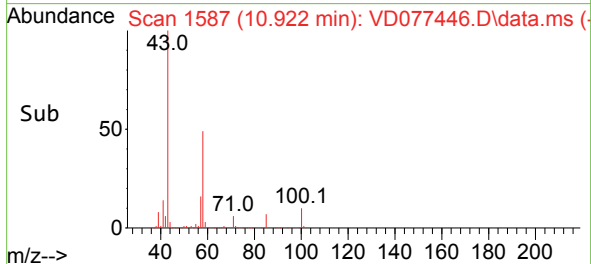
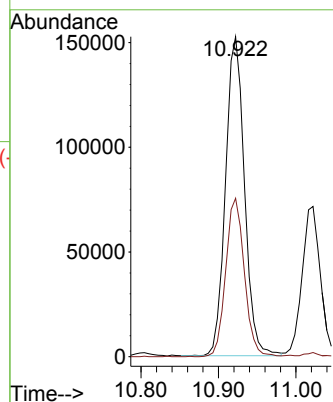
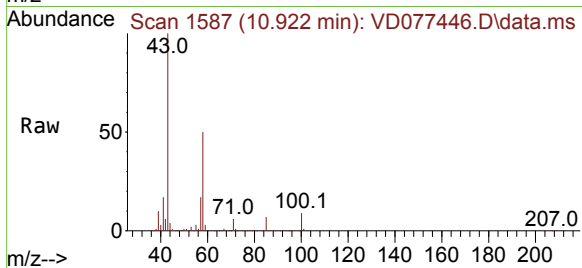




#59
2-Hexanone
Concen: 109.226 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

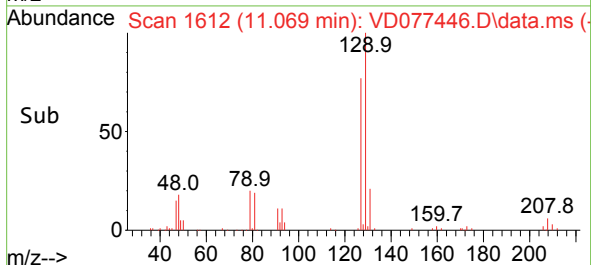
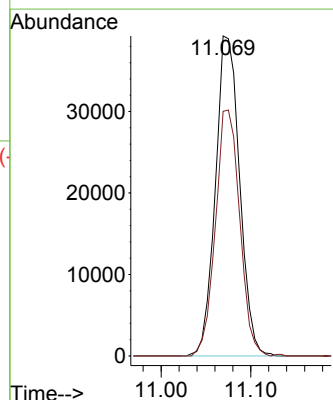
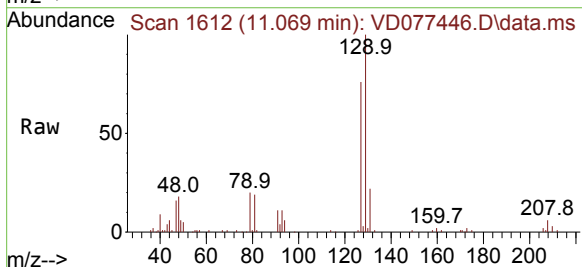
Instrument :
MSVOA_D
ClientSampleId :

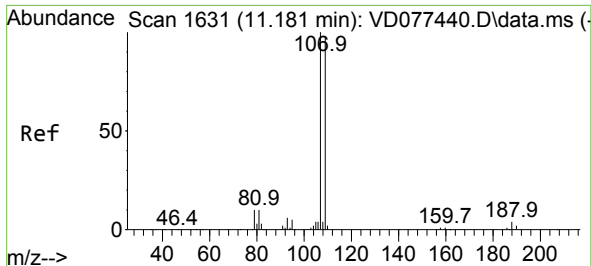
Tgt Ion: 43 Resp: 259384
Ion Ratio Lower Upper
43 100
58 48.8 34.1 102.2



#60
Dibromochloromethane
Concen: 20.527 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 129 Resp: 73573
Ion Ratio Lower Upper
129 100
127 77.1 37.1 111.5

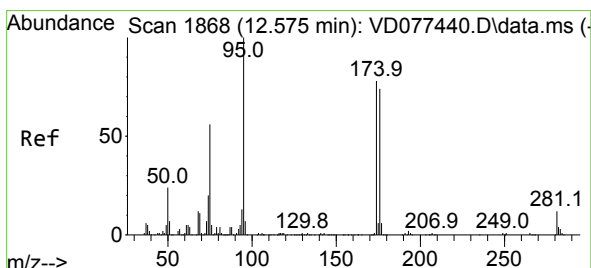
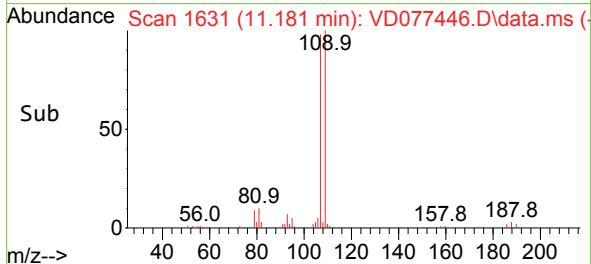
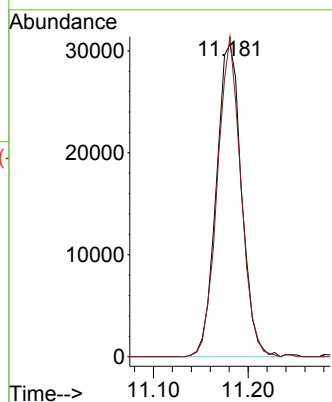
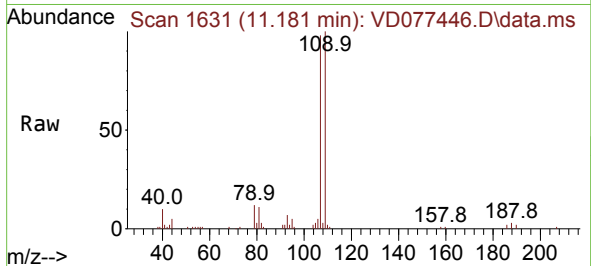




#61
1,2-Dibromoethane
Concen: 20.111 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

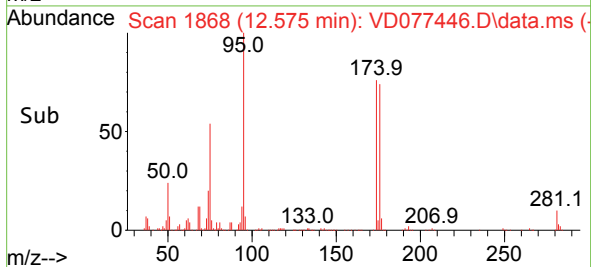
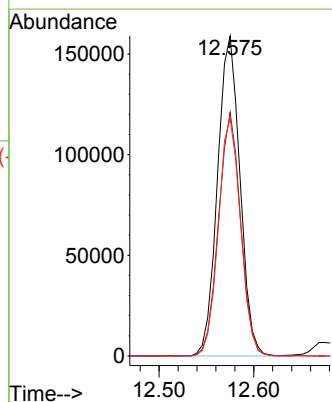
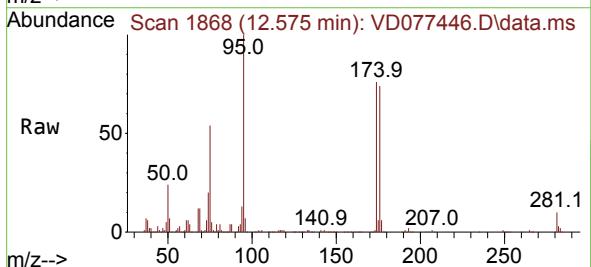
Instrument :
MSVOA_D
ClientSampleId :

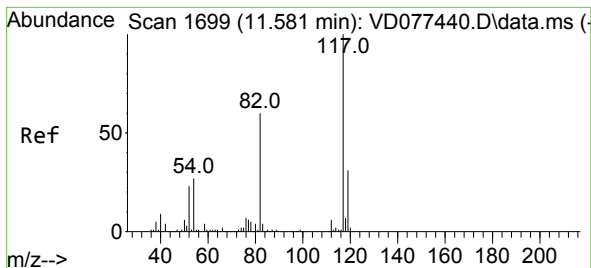
Tgt Ion:107 Resp: 56769
Ion Ratio Lower Upper
107 100
109 95.6 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 53.720 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 95 Resp: 262128
Ion Ratio Lower Upper
95 100
174 74.8 0.0 201.8
176 73.2 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: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

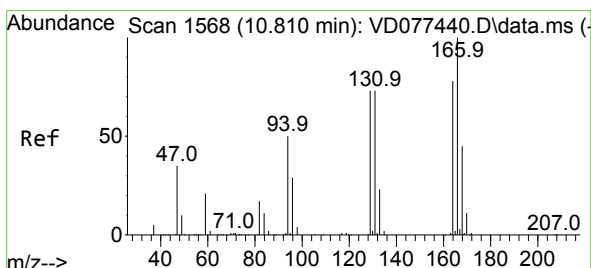
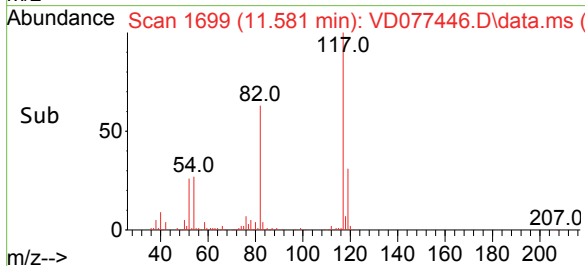
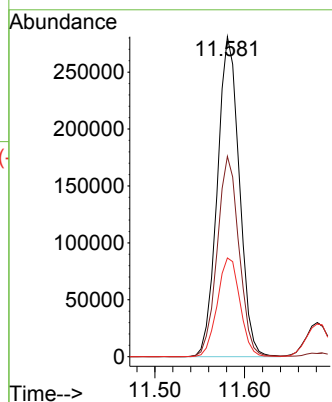
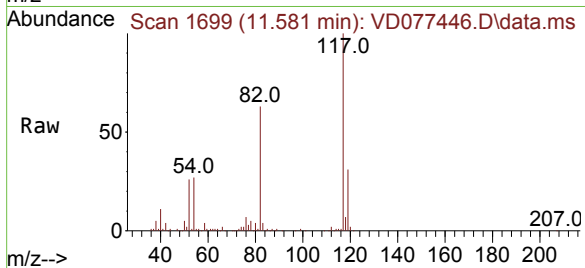
Tgt Ion:117 Resp: 478526

Ion Ratio Lower Upper

117 100

82 62.6 38.3 57.5#

119 30.8 25.0 37.4



#64

Tetrachloroethene

Concen: 20.374 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Tgt Ion:164 Resp: 62070

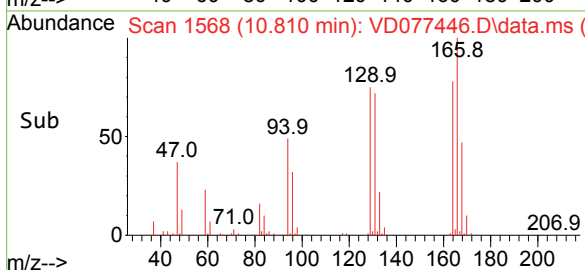
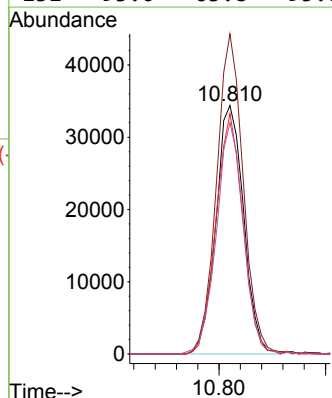
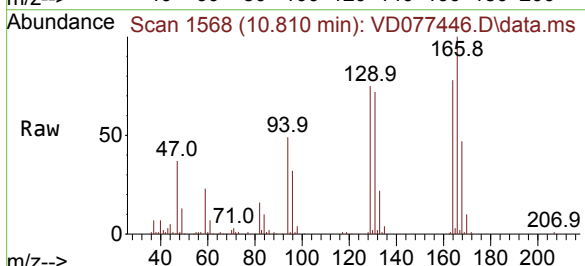
Ion Ratio Lower Upper

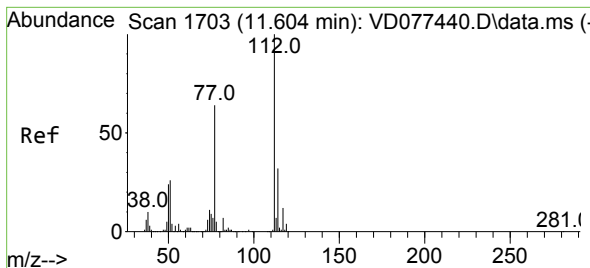
164 100

166 128.8 99.2 148.8

129 96.7 68.4 102.6

131 93.0 63.8 95.8





#65

Chlorobenzene

Concen: 20.507 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

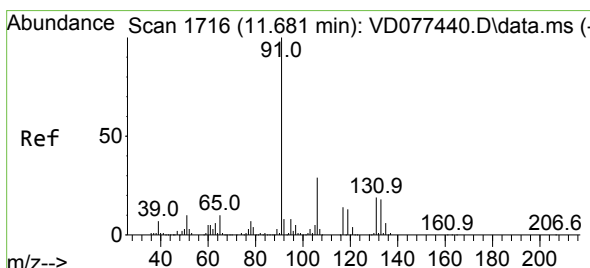
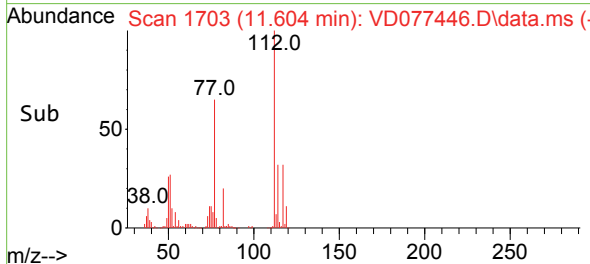
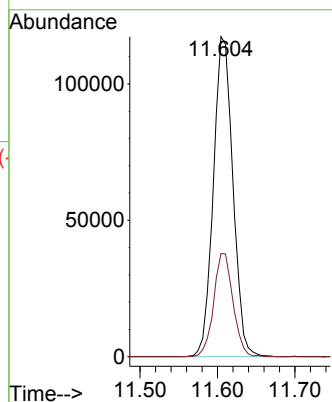
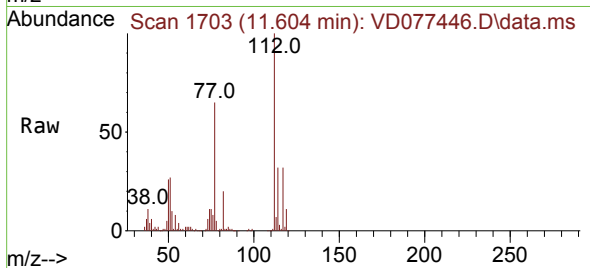
ClientSampleId :

Tgt Ion:112 Resp: 205586

Ion Ratio Lower Upper

112 100

114 32.3 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 20.463 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

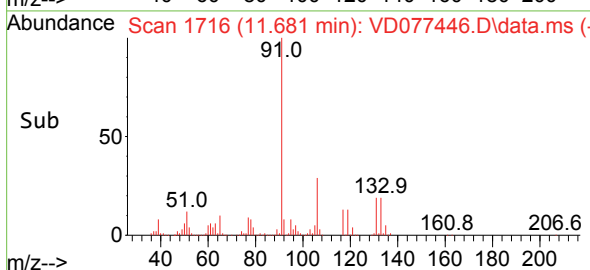
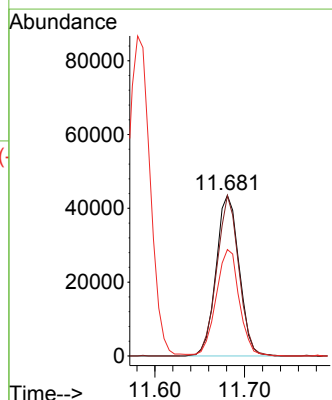
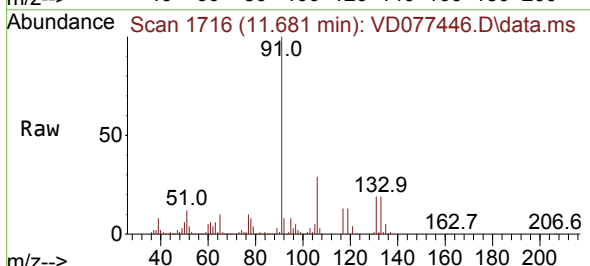
Tgt Ion:131 Resp: 77523

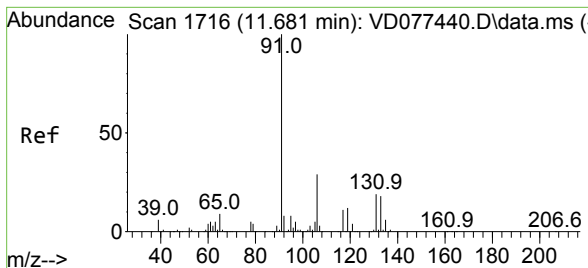
Ion Ratio Lower Upper

131 100

133 96.0 48.5 145.5

119 67.1 35.6 106.9





#67

Ethyl Benzene

Concen: 20.580 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

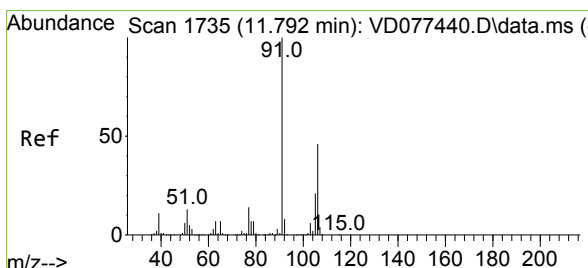
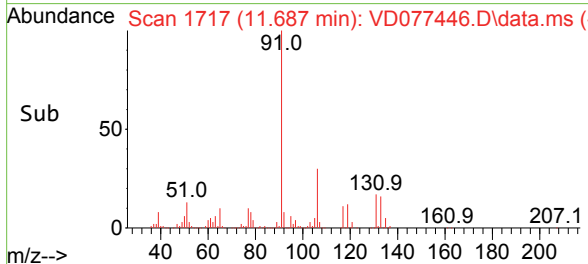
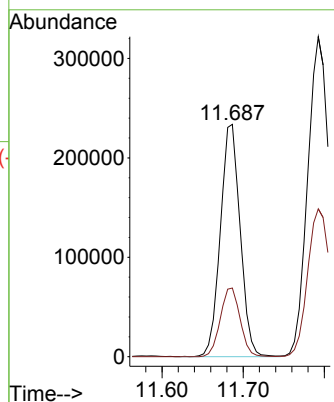
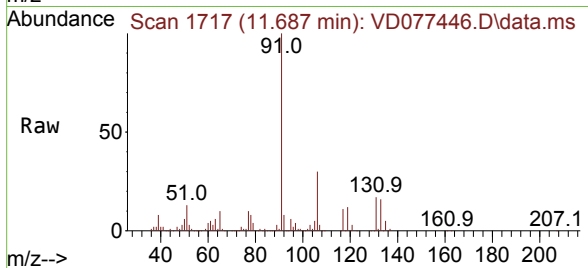
ClientSampleId :

Tgt Ion: 91 Resp: 396974

Ion Ratio Lower Upper

91 100

106 29.6 26.5 39.7



#68

m/p-Xylenes

Concen: 41.285 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD077446.D

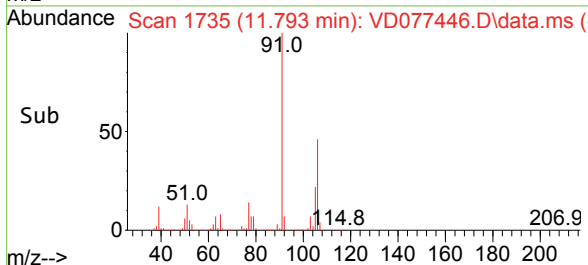
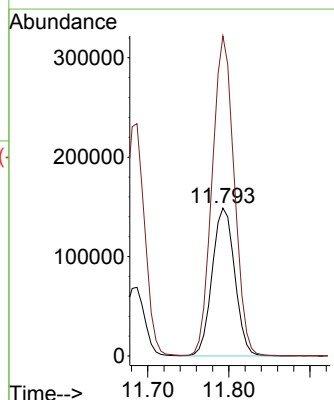
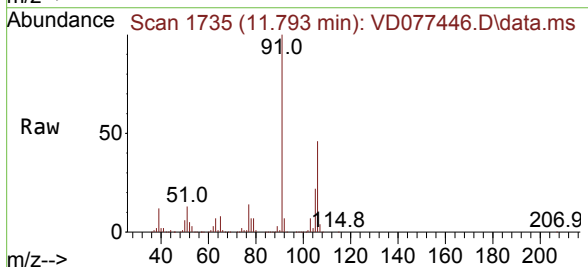
Acq: 30 Oct 2023 14:33

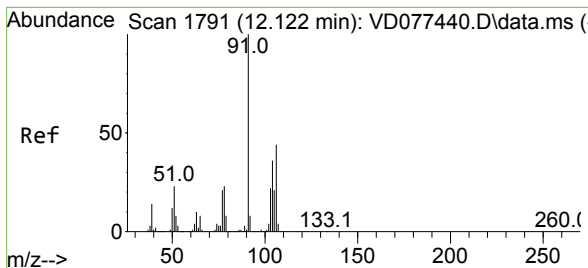
Tgt Ion:106 Resp: 287573

Ion Ratio Lower Upper

106 100

91 211.2 147.0 220.6

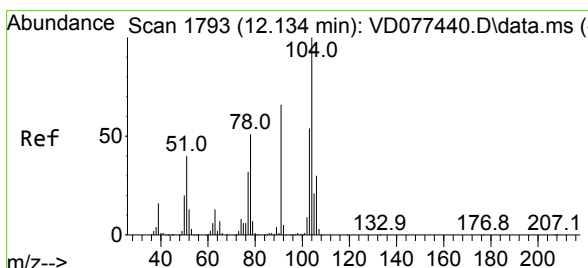
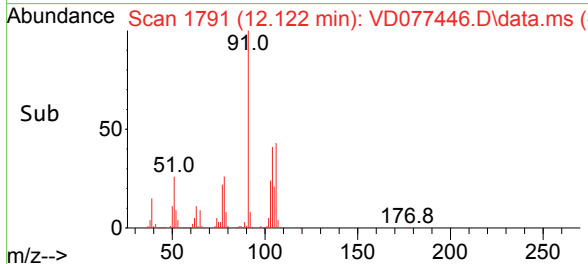
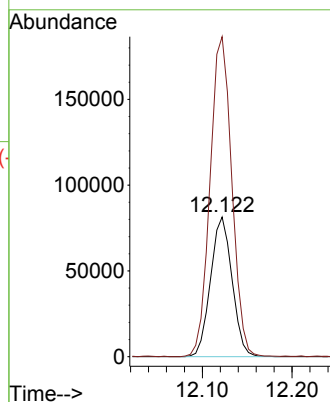
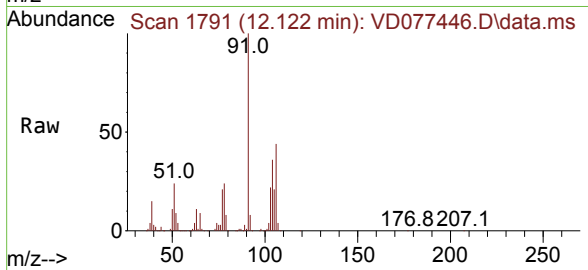




#69
o-Xylene
Concen: 20.306 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

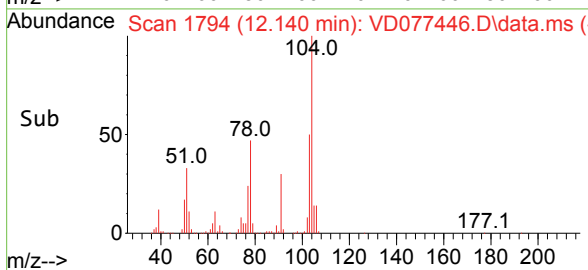
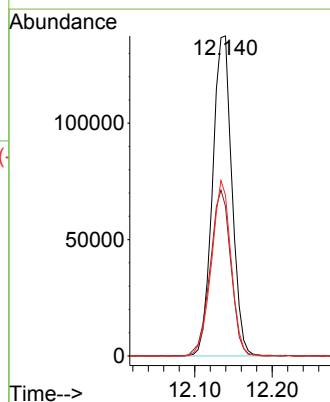
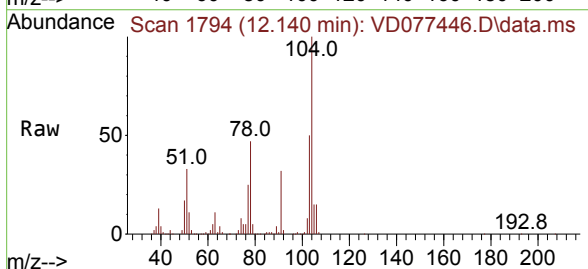
Instrument :
MSVOA_D
ClientSampleId :

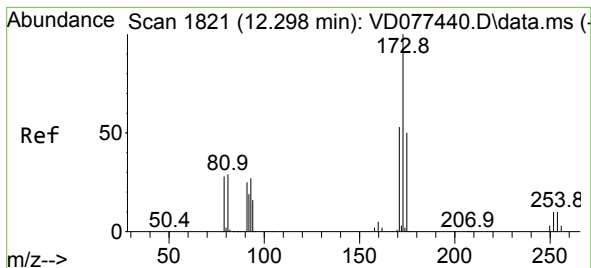
Tgt Ion:106 Resp: 135479
Ion Ratio Lower Upper
106 100
91 232.1 97.9 293.6



#70
Styrene
Concen: 20.737 ug/l
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion:104 Resp: 238684
Ion Ratio Lower Upper
104 100
78 55.2 33.2 49.8#
103 55.5 43.6 65.4





#71

Bromoform

Concen: 20.314 ug/l

RT: 12.304 min Scan# 1822

Delta R.T. 0.006 min

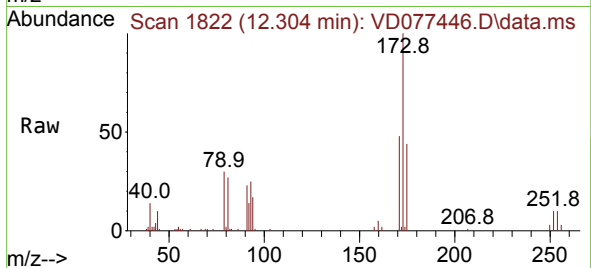
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :



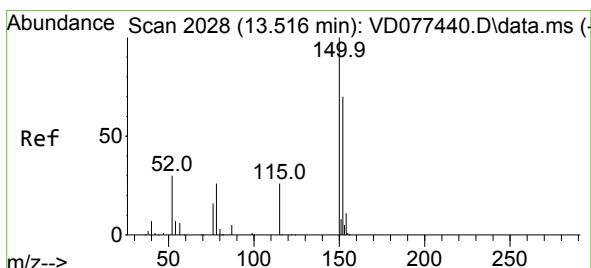
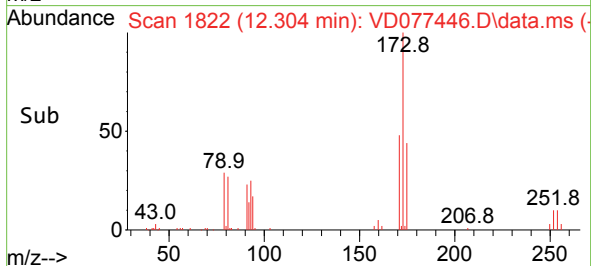
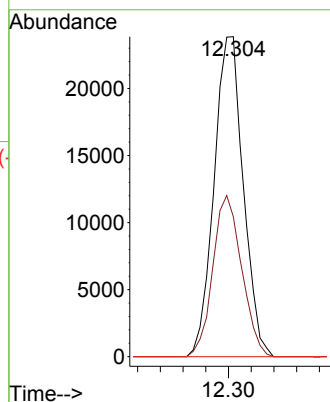
Tgt Ion:173 Resp: 42665

Ion Ratio Lower Upper

173 100

175 49.7 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: VD077446.D

Acq: 30 Oct 2023 14:33

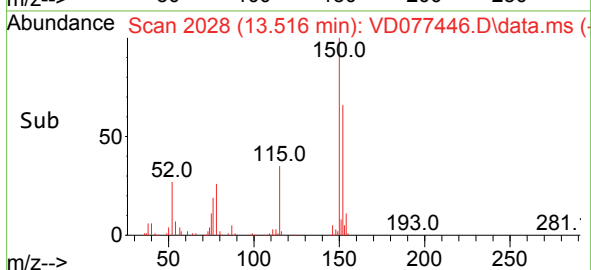
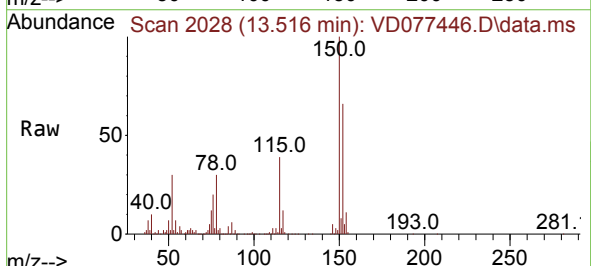
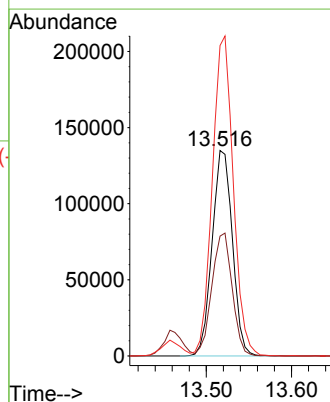
Tgt Ion:152 Resp: 223374

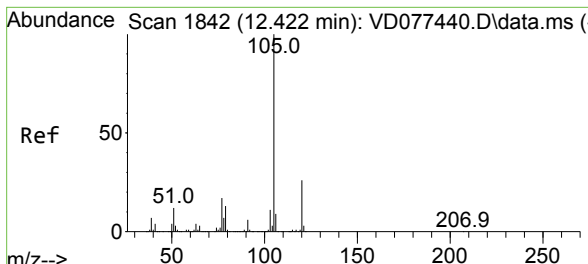
Ion Ratio Lower Upper

152 100

115 60.0 27.1 81.3

150 160.5 0.0 353.6

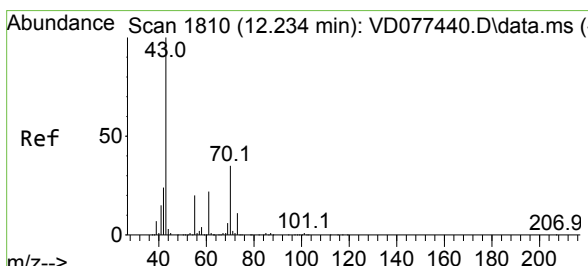
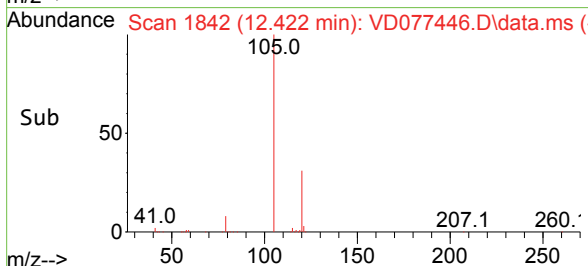
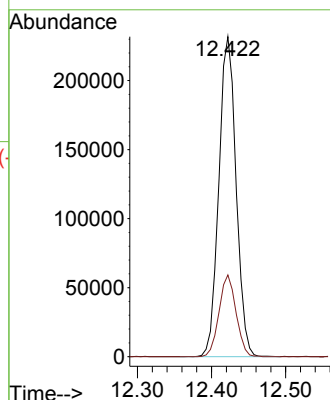
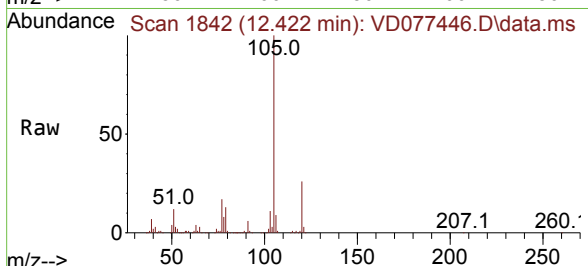




#73
Isopropylbenzene
Concen: 20.567 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

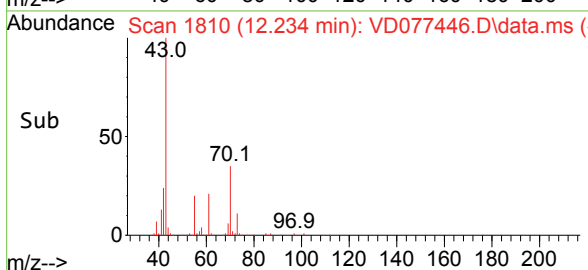
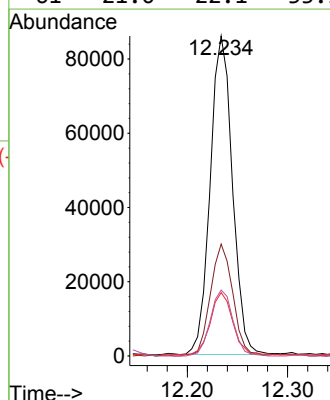
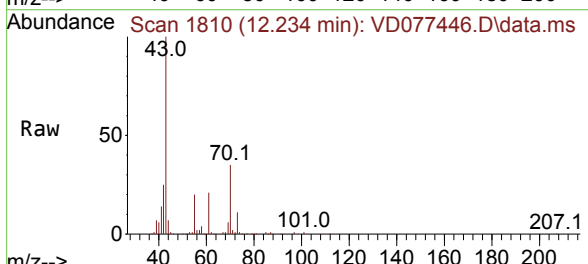
Instrument :
MSVOA_D
ClientSampleId :

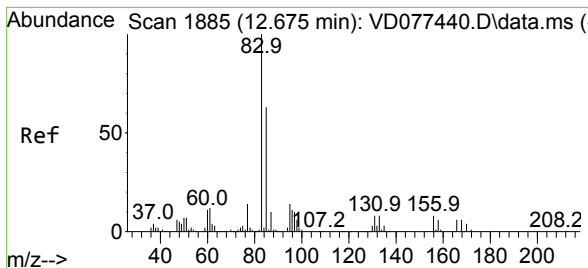
Tgt Ion:105 Resp: 374556
Ion Ratio Lower Upper
105 100
120 25.2 14.3 42.9



#74
N-ethyl acetate
Concen: 20.504 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 43 Resp: 132264
Ion Ratio Lower Upper
43 100
70 35.3 45.0 67.4#
55 19.9 23.8 35.6#
61 21.0 22.1 33.1#

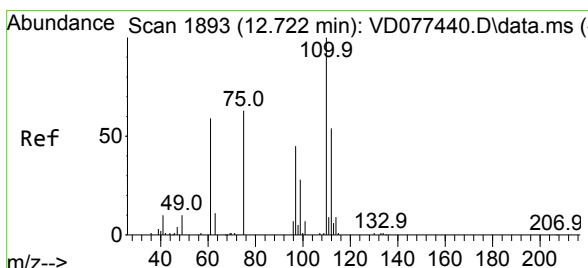
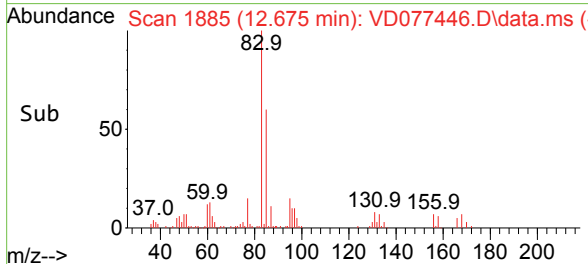
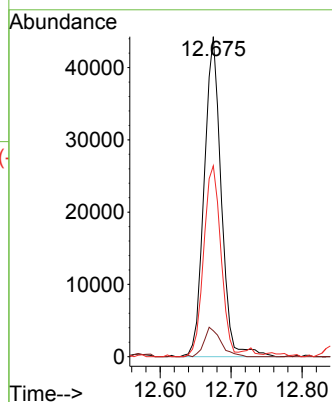
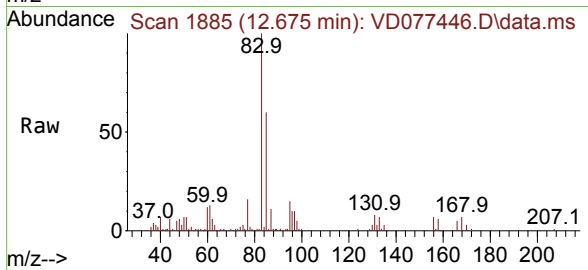




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.770 ug/l
 RT: 12.675 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

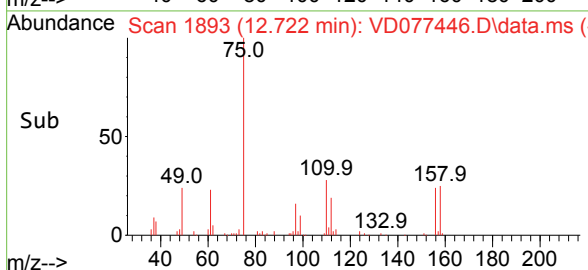
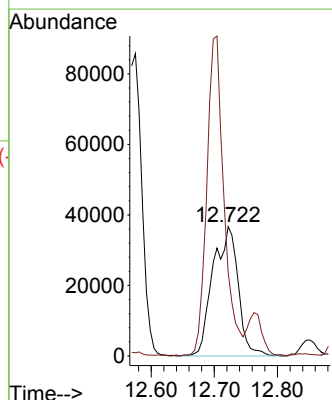
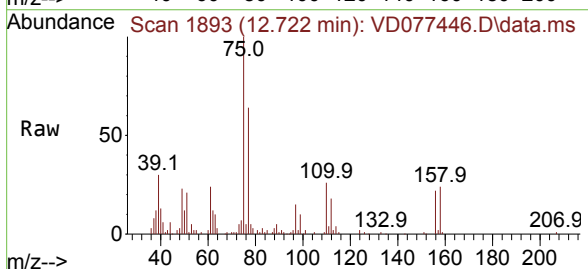
Instrument :
 MSVOA_D
 ClientSampleId :

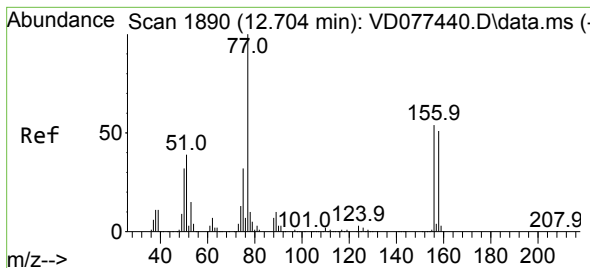
Tgt Ion: 83 Resp: 74149
 Ion Ratio Lower Upper
 83 100
 131 9.0 5.1 15.3
 85 60.1 32.6 97.8



#76
 1,2,3-Trichloropropane
 Concen: 37.568 ug/l
 RT: 12.722 min Scan# 1893
 Delta R.T. 0.000 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

Tgt Ion: 75 Resp: 102134
 Ion Ratio Lower Upper
 75 100
 77 169.1 0.0 0.0#





#77

Bromobenzene

Concen: 19.936 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

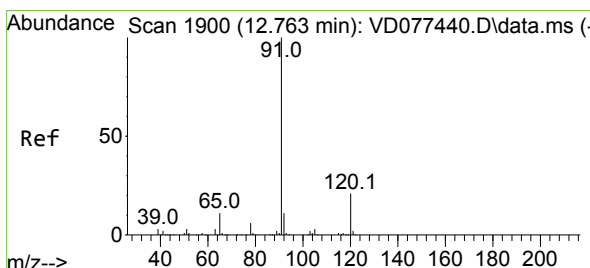
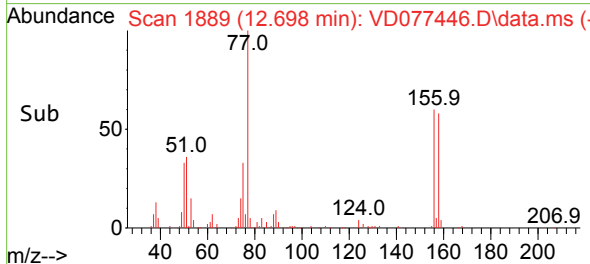
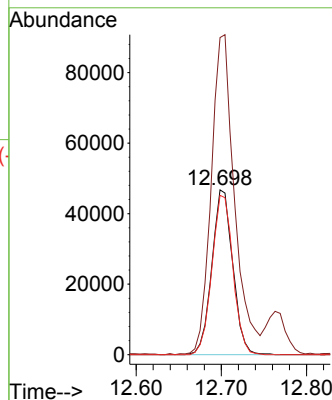
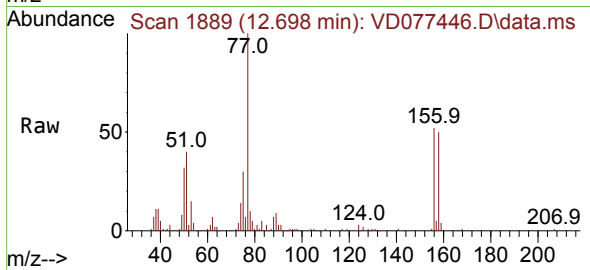
Tgt Ion:156 Resp: 79915

Ion Ratio Lower Upper

156 100

77 216.1 76.8 230.4

158 97.1 48.6 145.9



#78

n-propylbenzene

Concen: 20.673 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD077446.D

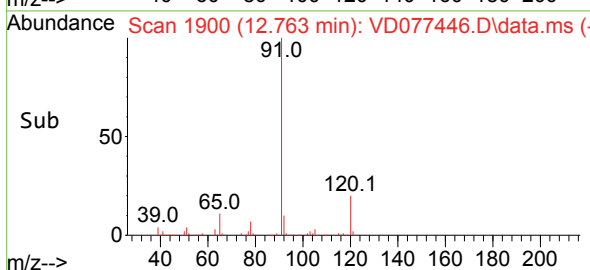
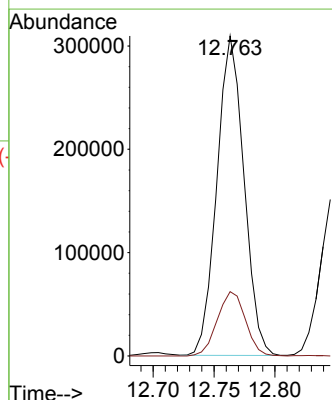
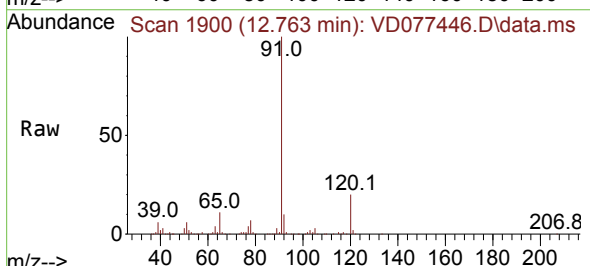
Acq: 30 Oct 2023 14:33

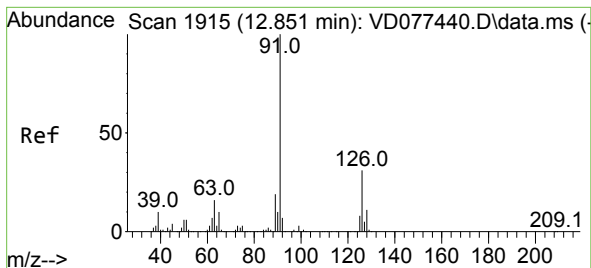
Tgt Ion: 91 Resp: 478043

Ion Ratio Lower Upper

91 100

120 20.9 12.4 37.2





#79

2-Chlorotoluene

Concen: 20.050 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

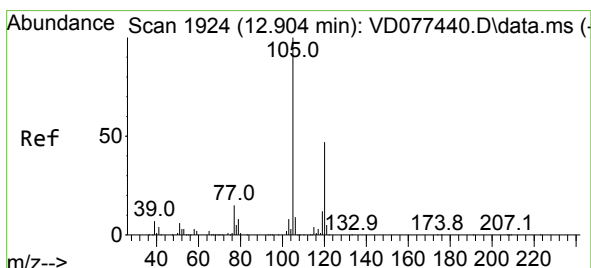
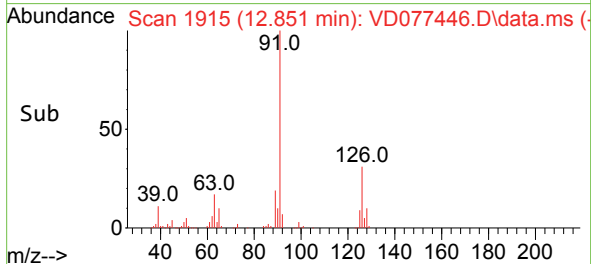
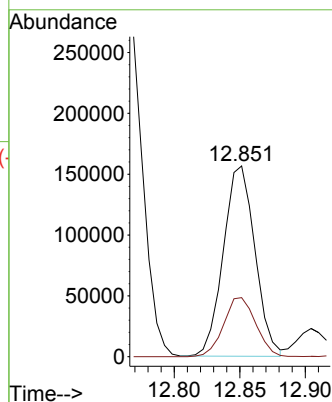
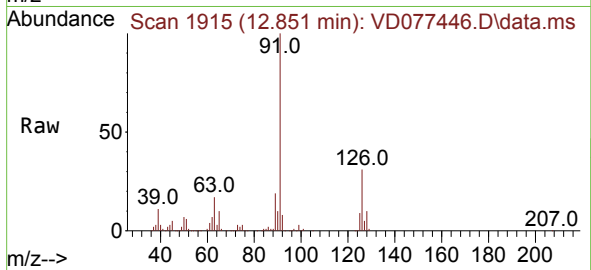
ClientSampleId :

Tgt Ion: 91 Resp: 262513

Ion Ratio Lower Upper

91 100

126 31.6 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 20.629 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD077446.D

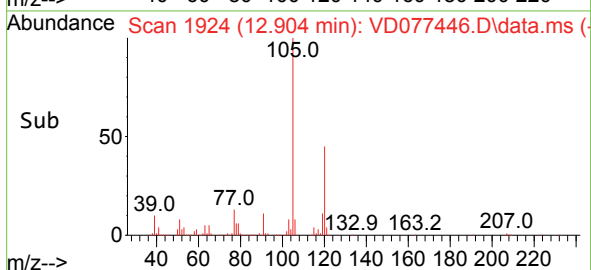
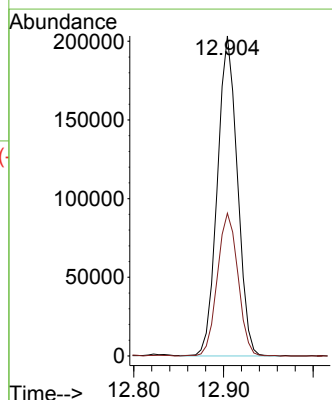
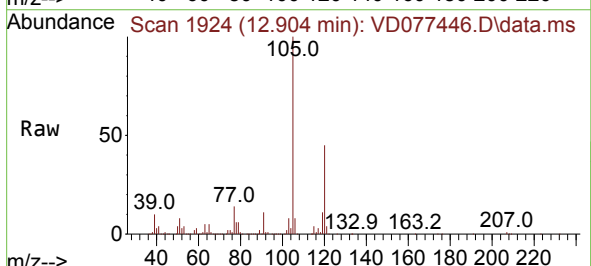
Acq: 30 Oct 2023 14:33

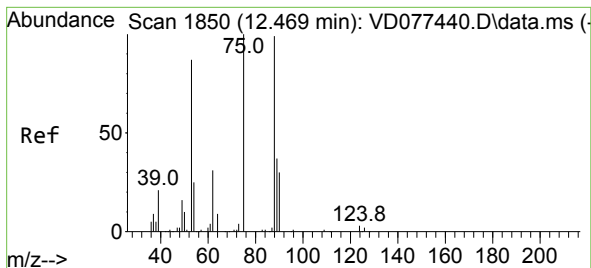
Tgt Ion: 105 Resp: 315231

Ion Ratio Lower Upper

105 100

120 45.8 26.4 79.2

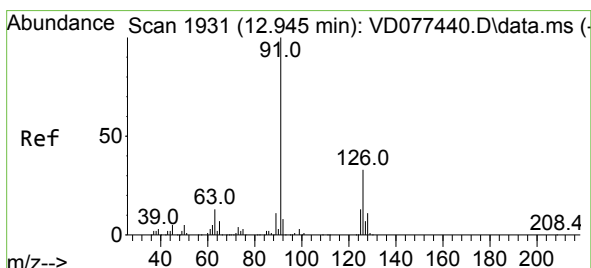
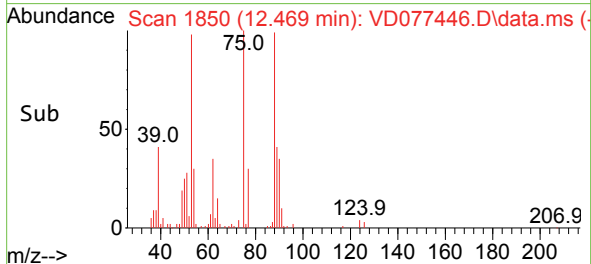
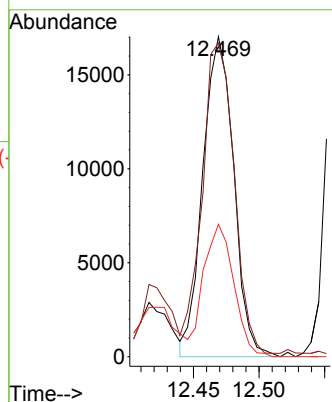
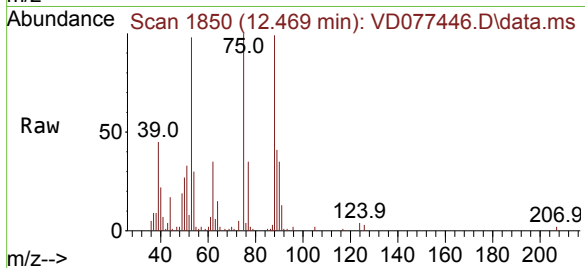




#81
trans-1,4-Dichloro-2-butene
Concen: 19.790 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

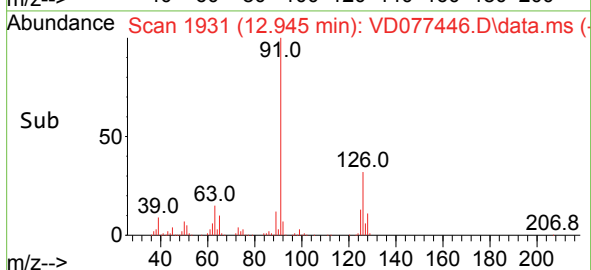
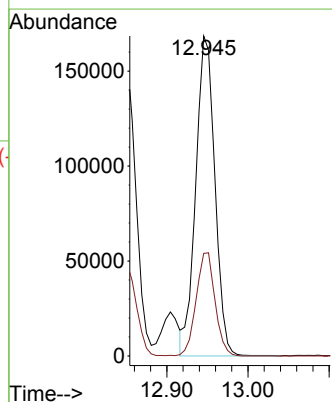
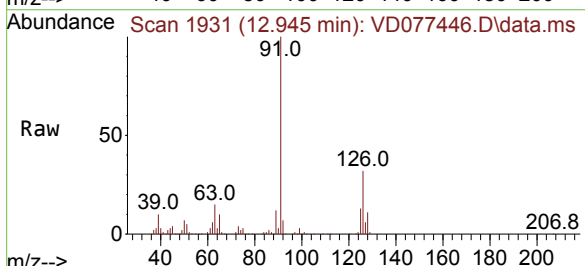
Instrument :
MSVOA_D
ClientSampleId :

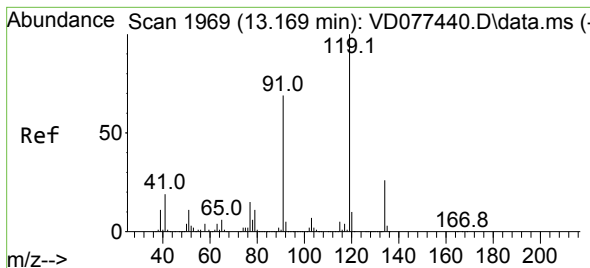
Tgt Ion: 75 Resp: 27853
Ion Ratio Lower Upper
75 100
53 100.7 63.0 94.4#
89 40.6 37.9 56.9



#82
4-Chlorotoluene
Concen: 20.239 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion: 91 Resp: 276021
Ion Ratio Lower Upper
91 100
126 32.0 19.4 58.4





#83

tert-Butylbenzene

Concen: 20.760 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

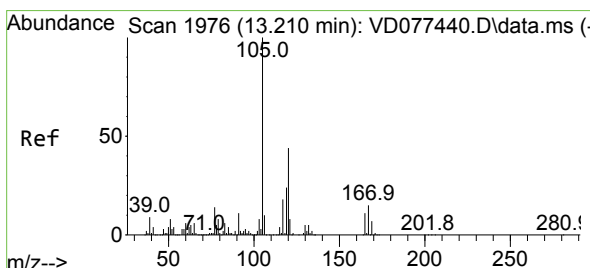
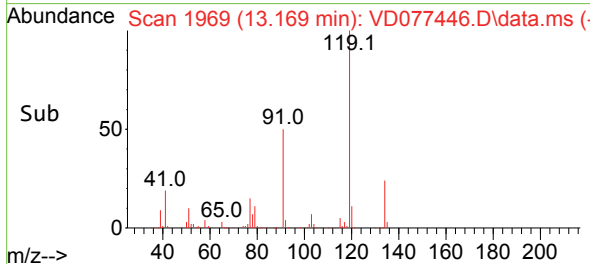
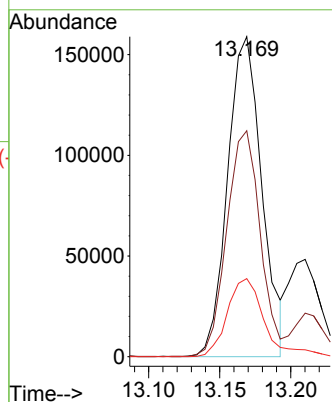
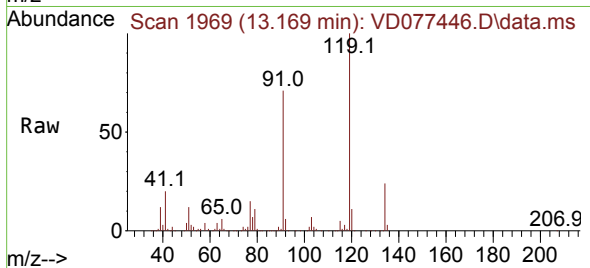
Tgt Ion:119 Resp: 266721

Ion Ratio Lower Upper

119 100

91 69.0 29.3 87.8

134 26.5 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 20.388 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077446.D

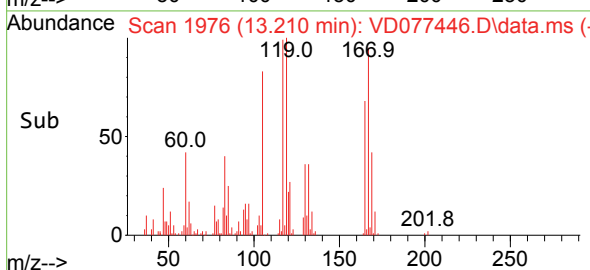
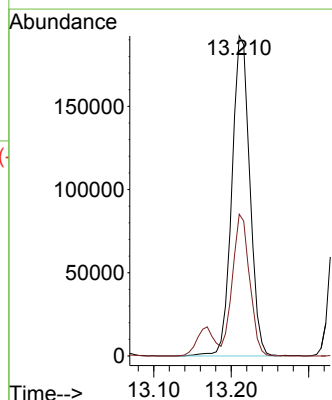
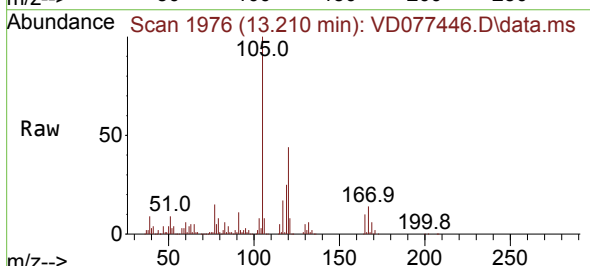
Acq: 30 Oct 2023 14:33

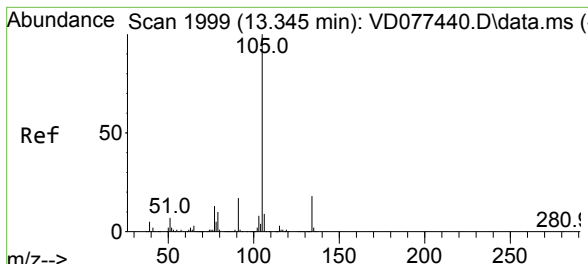
Tgt Ion:105 Resp: 309485

Ion Ratio Lower Upper

105 100

120 42.4 24.3 72.9

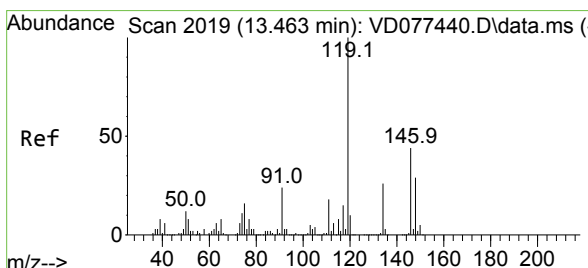
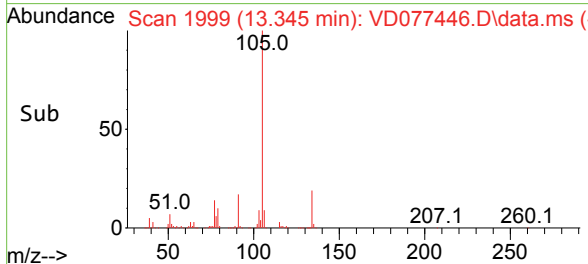
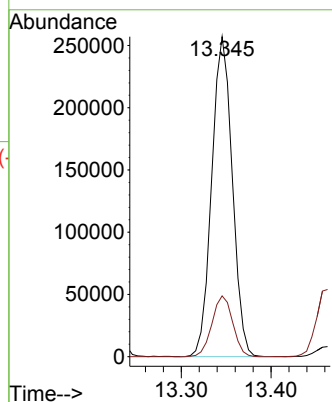
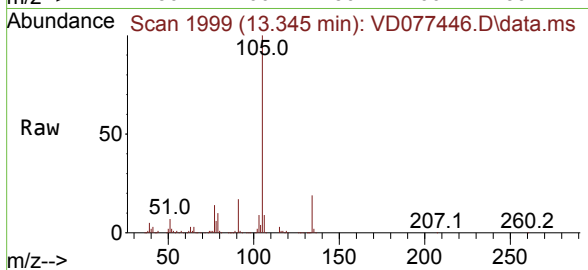




#85
 sec-Butylbenzene
 Concen: 20.803 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

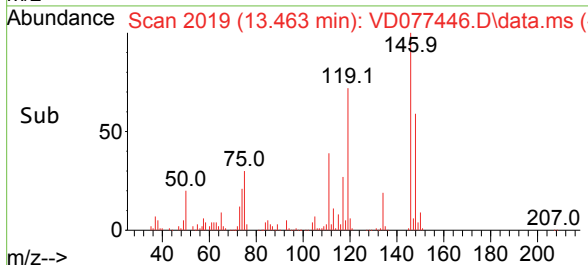
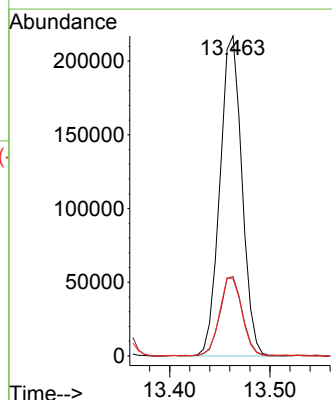
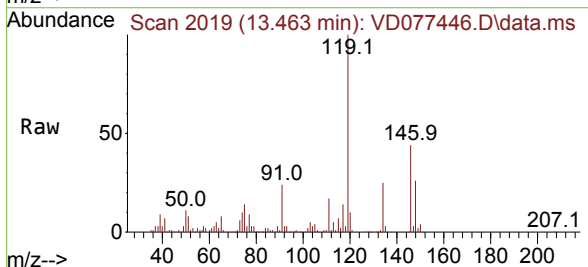
Instrument :
 MSVOA_D
 ClientSampleId :

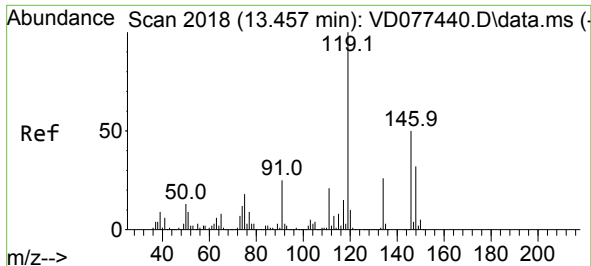
Tgt Ion:105 Resp: 408940
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 20.741 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD077446.D
 Acq: 30 Oct 2023 14:33

Tgt Ion:119 Resp: 331405
 Ion Ratio Lower Upper
 119 100
 134 25.2 14.2 42.6
 91 25.1 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 20.307 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

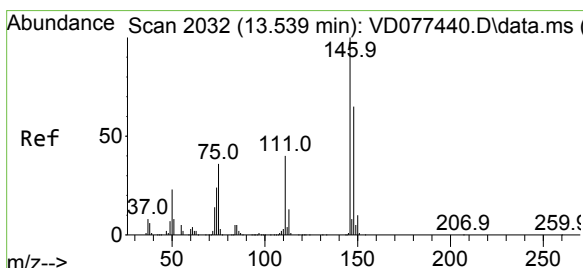
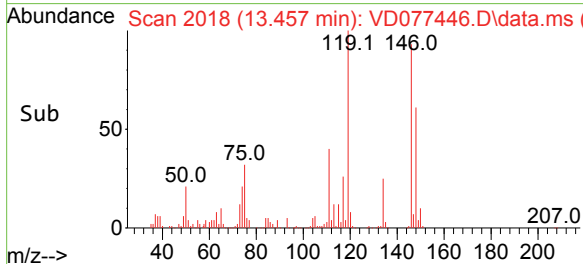
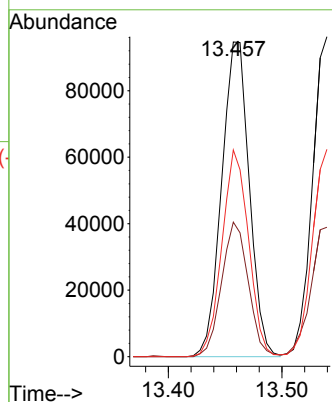
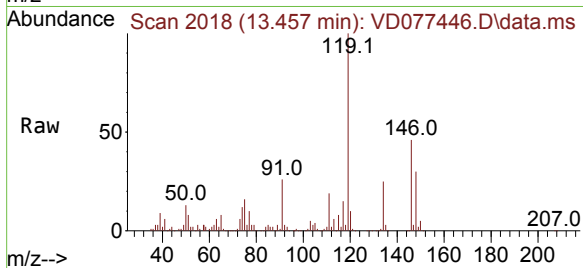
Tgt Ion:146 Resp: 160011

Ion Ratio Lower Upper

146 100

111 41.3 17.9 53.8

148 63.3 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 20.101 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

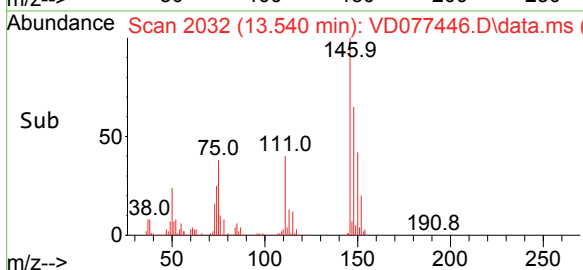
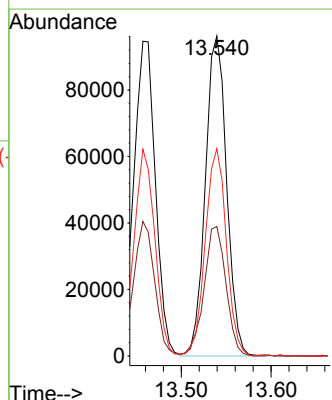
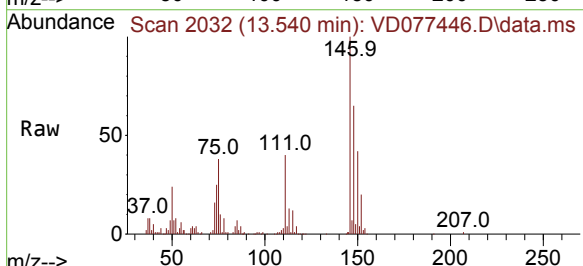
Tgt Ion:146 Resp: 158252

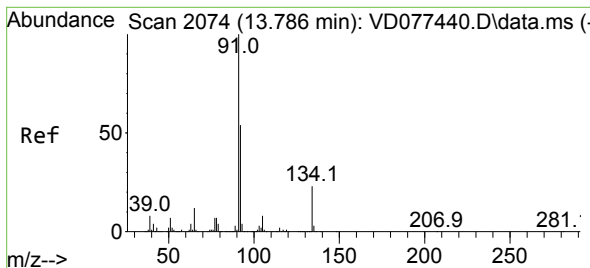
Ion Ratio Lower Upper

146 100

111 41.9 17.4 52.3

148 64.2 31.7 95.1





#89

n-Butylbenzene

Concen: 21.020 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

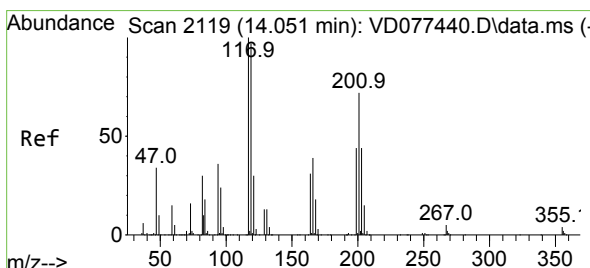
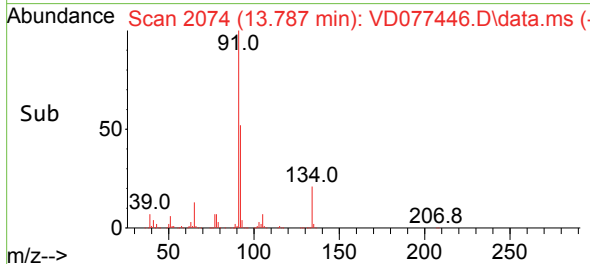
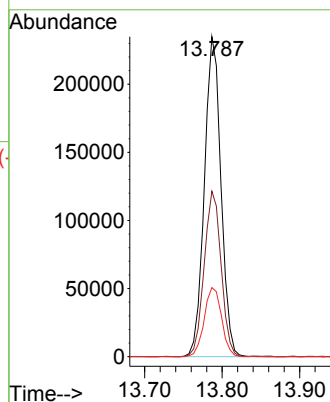
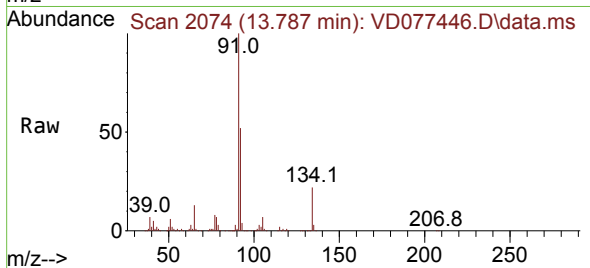
Tgt Ion: 91 Resp: 349097

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

134 22.6 13.8 41.3



#90

Hexachloroethane

Concen: 20.152 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. 0.000 min

Lab File: VD077446.D

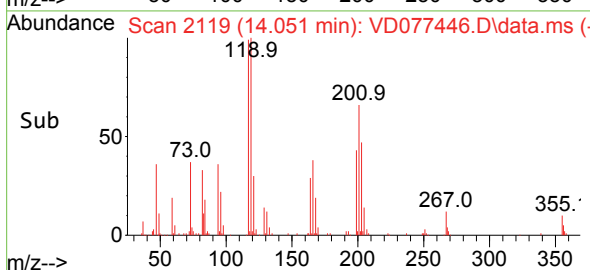
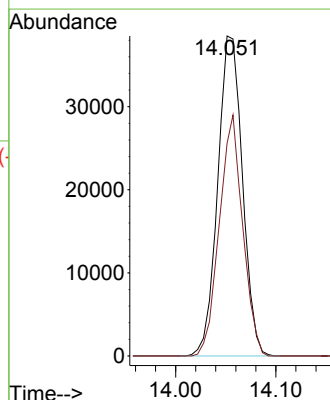
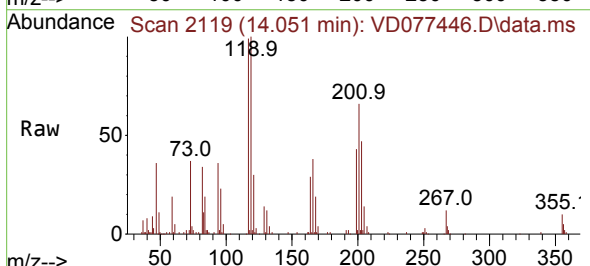
Acq: 30 Oct 2023 14:33

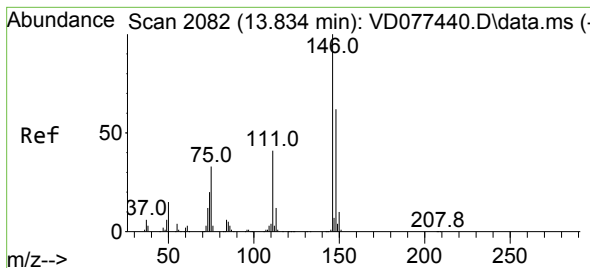
Tgt Ion: 117 Resp: 65892

Ion Ratio Lower Upper

117 100

201 71.1 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 20.271 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :

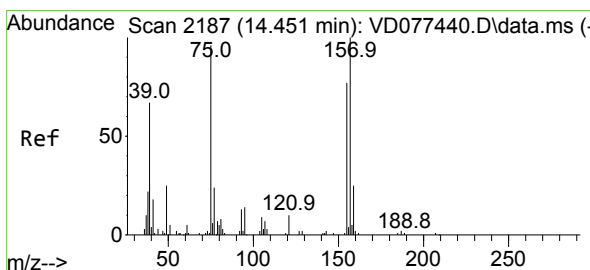
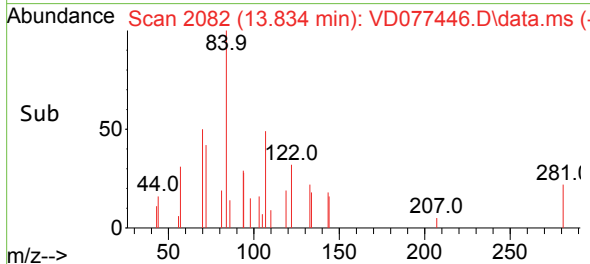
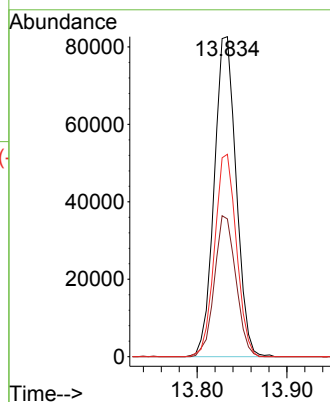
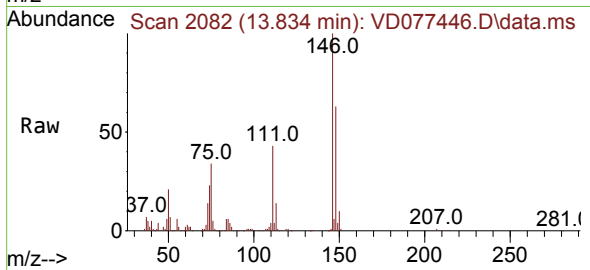
Tgt Ion:146 Resp: 140376

Ion Ratio Lower Upper

146 100

111 43.1 18.3 54.8

148 62.9 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.558 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

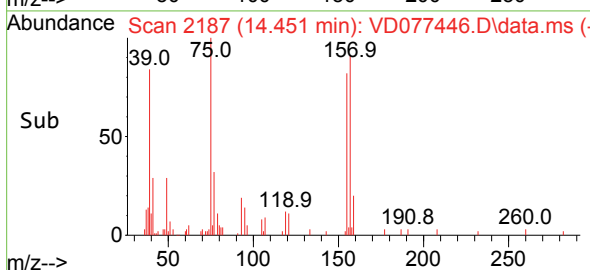
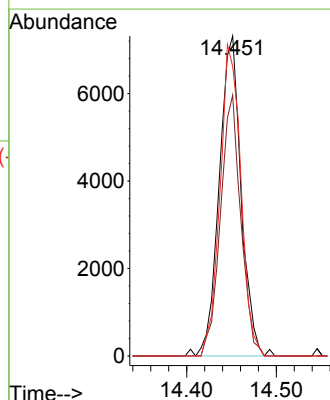
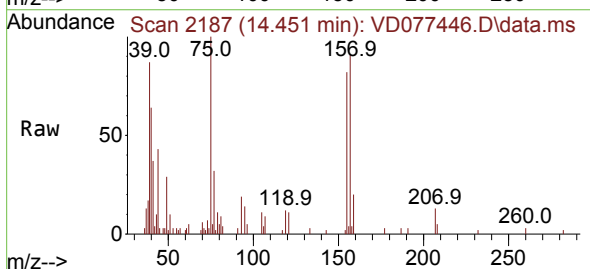
Tgt Ion: 75 Resp: 12364

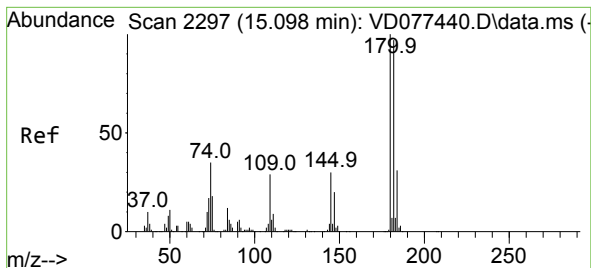
Ion Ratio Lower Upper

75 100

155 76.0 47.9 143.8

157 92.9 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 20.460 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

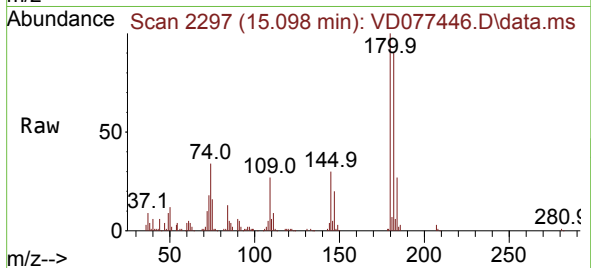
Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

Instrument :

MSVOA_D

ClientSampleId :



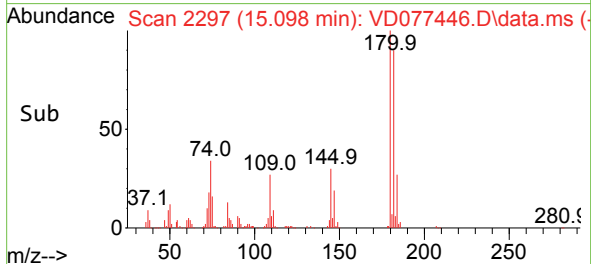
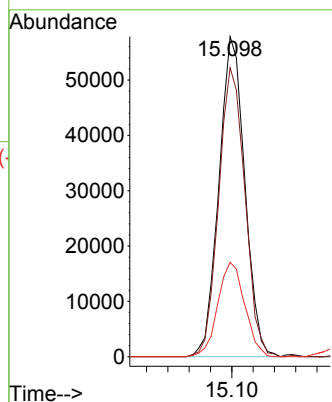
Tgt Ion:180 Resp: 97336

Ion Ratio Lower Upper

180 100

182 91.4 48.5 145.6

145 30.7 14.2 42.6



#94

Hexachlorobutadiene

Concen: 19.986 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077446.D

Acq: 30 Oct 2023 14:33

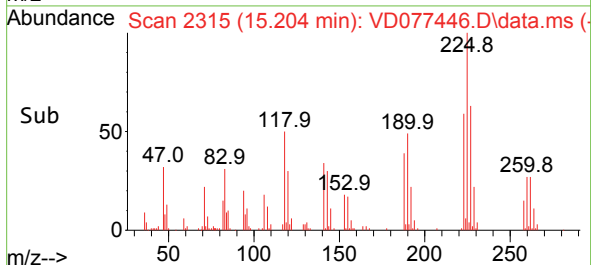
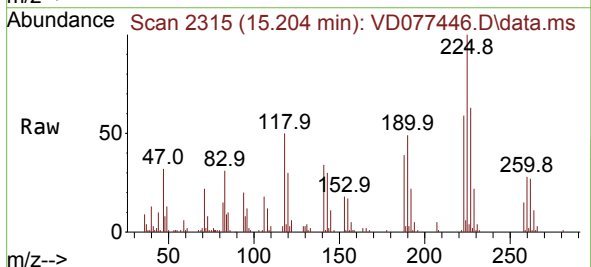
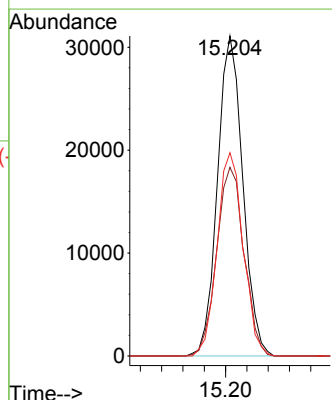
Tgt Ion:225 Resp: 51287

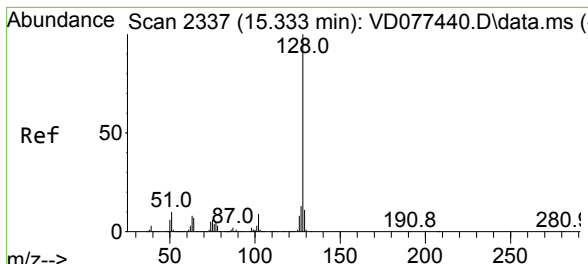
Ion Ratio Lower Upper

225 100

223 63.7 31.6 94.8

227 65.0 31.7 95.1

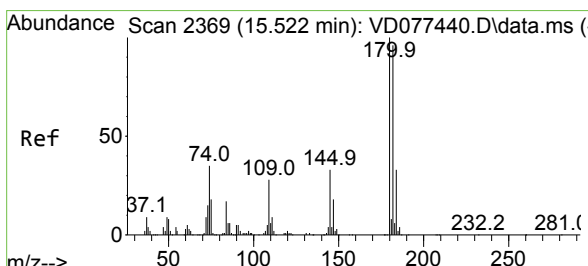
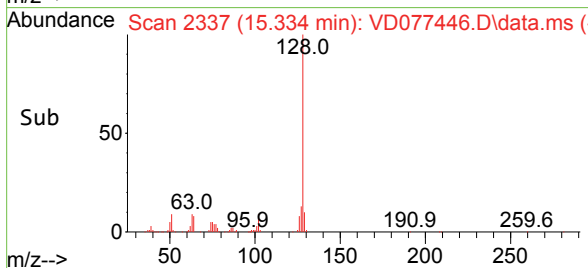
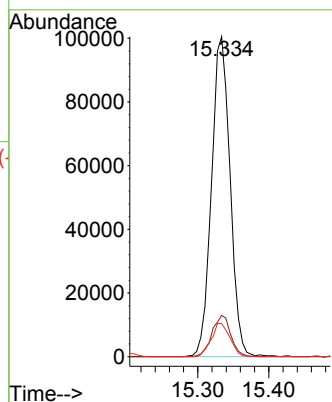
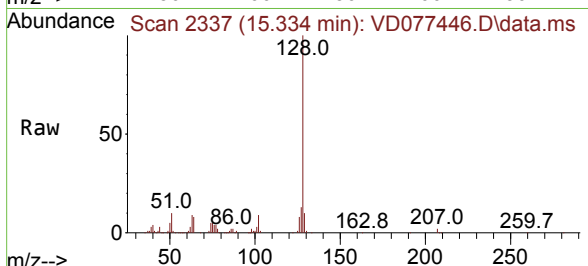




#95
Naphthalene
Concen: 20.093 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 182349
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.583 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077446.D
Acq: 30 Oct 2023 14:33

Tgt Ion:180 Resp: 80417
Ion Ratio Lower Upper
180 100
182 94.5 47.3 141.9
145 32.5 15.1 45.3

