

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077162.D
 Acq On : 20 Sep 2023 11:39
 Operator : JC/SY
 Sample : VD0920SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 21 02:22:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	197373	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	341024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	323630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	164987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105731	53.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.160%	
35) Dibromofluoromethane	7.804	113	122194	51.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.180%	
50) Toluene-d8	10.269	98	436880	51.817	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.640%	
62) 4-Bromofluorobenzene	12.569	95	129729	49.643	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.280%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	49215	24.129	ug/l	99
3) Chloromethane	2.146	50	85082	22.566	ug/l	97
4) Vinyl Chloride	2.281	62	88127	21.850	ug/l	100
5) Bromomethane	2.687	94	69155	23.542	ug/l	99
6) Chloroethane	2.834	64	60439	24.083	ug/l	98
7) Trichlorofluoromethane	3.169	101	88124	24.174	ug/l	97
8) Diethyl Ether	3.593	74	25615	21.771	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.958	101	50192	22.022	ug/l	97
10) Methyl Iodide	4.164	142	60479	18.565	ug/l	# 89
11) Tert butyl alcohol	5.034	59	14890	131.109	ug/l	# 91
12) 1,1-Dichloroethene	3.934	96	48005	20.908	ug/l	96
13) Acrolein	3.805	56	13218	165.374	ug/l	89
14) Allyl chloride	4.558	41	57268	20.444	ug/l	95
15) Acrylonitrile	5.258	53	55094	111.670	ug/l	99
16) Acetone	4.016	43	50604	111.155	ug/l	# 81
17) Carbon Disulfide	4.269	76	155021	20.510	ug/l	100
18) Methyl Acetate	4.558	43	39835	23.140	ug/l	95
19) Methyl tert-butyl Ether	5.311	73	106923	21.521	ug/l	96
20) Methylene Chloride	4.793	84	83700	25.308	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	56739	20.443	ug/l	98
22) Diisopropyl ether	6.216	45	134350	21.213	ug/l	95
23) Vinyl Acetate	6.152	43	324006	127.963	ug/l	95
24) 1,1-Dichloroethane	6.110	63	93882	20.653	ug/l	95
25) 2-Butanone	7.075	43	69695	116.364	ug/l	91
26) 2,2-Dichloropropane	7.069	77	82886	21.481	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	63204	20.257	ug/l	95
28) Bromochloromethane	7.422	49	30758	22.035	ug/l	88
29) Tetrahydrofuran	7.446	42	40218	114.865	ug/l	90
30) Chloroform	7.593	83	103712	21.170	ug/l	95
31) Cyclohexane	7.875	56	72016	20.666	ug/l	98
32) 1,1,1-Trichloroethane	7.787	97	90122	22.038	ug/l	98
36) 1,1-Dichloropropene	8.010	75	73898	20.715	ug/l	99
37) Ethyl Acetate	7.163	43	31570	23.066	ug/l	95
38) Carbon Tetrachloride	7.987	117	73647	21.005	ug/l	99
39) Methylcyclohexane	9.275	83	80289	19.561	ug/l	98
40) Benzene	8.246	78	227838	20.643	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	17267	23.637	ug/l	87
42) 1,2-Dichloroethane	8.328	62	60852	22.238	ug/l	99
43) Isopropyl Acetate	8.363	43	56177	22.293	ug/l #	80
44) Trichloroethene	9.028	130	62088	20.325	ug/l	96
45) 1,2-Dichloropropane	9.304	63	54433	20.305	ug/l #	86
46) Dibromomethane	9.393	93	33942	21.789	ug/l	94
47) Bromodichloromethane	9.581	83	78062	20.737	ug/l	99
48) Methyl methacrylate	9.381	41	24754	21.618	ug/l	83
49) 1,4-Dioxane	9.387	88	5981	425.354	ug/l #	84
51) 4-Methyl-2-Pentanone	10.157	43	144734	109.821	ug/l	94
52) Toluene	10.328	92	144313	20.439	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	73898	21.012	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	85706	20.340	ug/l #	88
55) 1,1,2-Trichloroethane	10.734	97	45357	21.407	ug/l	93
56) Ethyl methacrylate	10.598	69	47512	20.873	ug/l	92
57) 1,3-Dichloropropane	10.881	76	72059	21.009	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	71228	81.439	ug/l	99
59) 2-Hexanone	10.922	43	102931	108.853	ug/l	88
60) Dibromochloromethane	11.075	129	53302	20.540	ug/l	92
61) 1,2-Dibromoethane	11.175	107	44300	21.628	ug/l	99
64) Tetrachloroethene	10.810	164	52080	20.683	ug/l	94
65) Chlorobenzene	11.604	112	155320	20.402	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	58392	20.965	ug/l	97
67) Ethyl Benzene	11.681	91	260988	19.944	ug/l	96
68) m/p-Xylenes	11.793	106	210861	40.244	ug/l	93
69) o-Xylene	12.122	106	93386	19.419	ug/l	93
70) Styrene	12.134	104	166352	20.304	ug/l	98
71) Bromoform	12.298	173	33316	21.579	ug/l #	97
73) Isopropylbenzene	12.422	105	242636	19.903	ug/l	97
74) N-amyl acetate	12.234	43	47830	20.886	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	53783	23.378	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	60199	45.742	ug/l #	100
77) Bromobenzene	12.698	156	62315	20.529	ug/l	94
78) n-propylbenzene	12.763	91	302912	20.328	ug/l	96
79) 2-Chlorotoluene	12.851	91	165752	20.171	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	205487	20.183	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	15297	22.001	ug/l	94
82) 4-Chlorotoluene	12.945	91	174077	20.156	ug/l	95
83) tert-Butylbenzene	13.169	119	172817	19.868	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	207183	20.068	ug/l	95
85) sec-Butylbenzene	13.345	105	259414	19.875	ug/l	97
86) p-Isopropyltoluene	13.463	119	215245	19.439	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	123807	19.832	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	125778	20.478	ug/l	98
89) n-Butylbenzene	13.787	91	197924	19.376	ug/l	97
90) Hexachloroethane	14.051	117	43736	19.916	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	106283	19.857	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8001	26.046	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	62025	18.783	ug/l	99
94) Hexachlorobutadiene	15.204	225	32732	18.705	ug/l	96
95) Naphthalene	15.334	128	118552	19.578	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	57196	19.486	ug/l	98

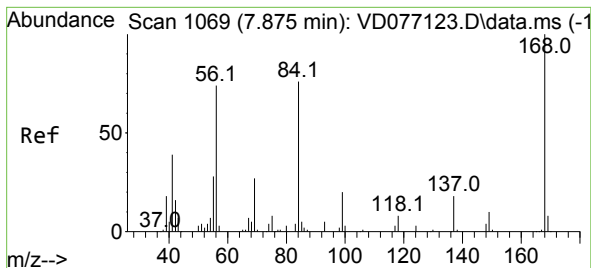
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Quant Title : SW846 8260
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Response via : Initial Calibration

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: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

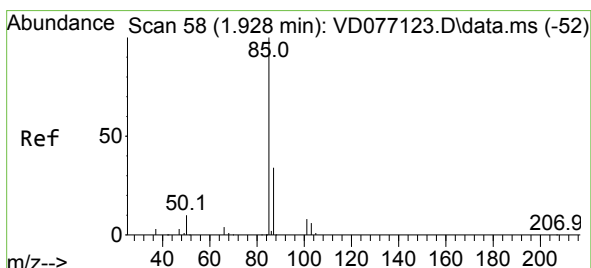
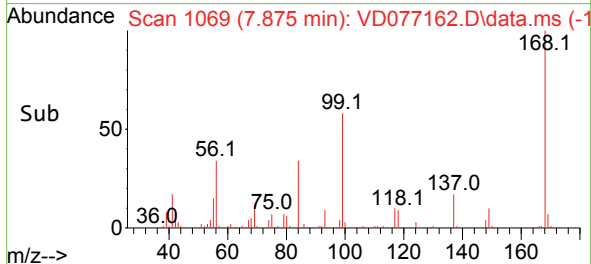
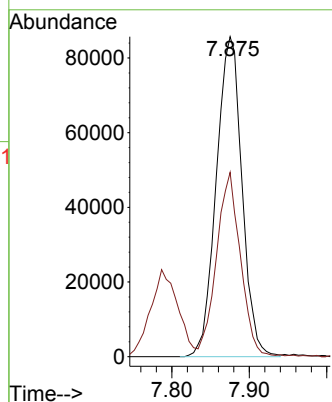
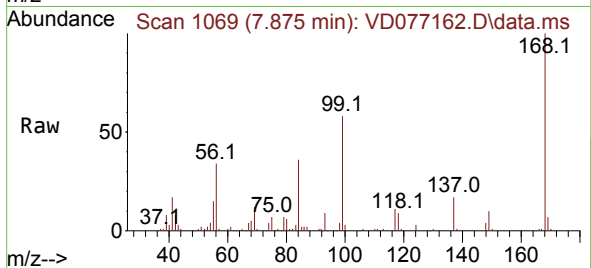
ClientSampleId :

Tgt Ion:168 Resp: 197373

Ion Ratio Lower Upper

168 100

99 57.0 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 24.129 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD077162.D

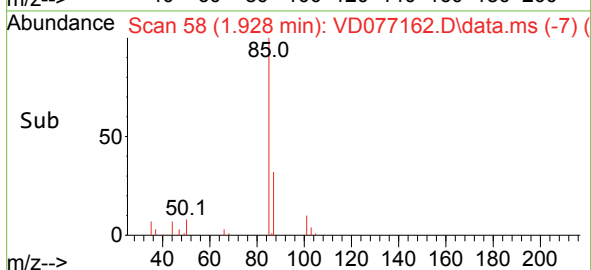
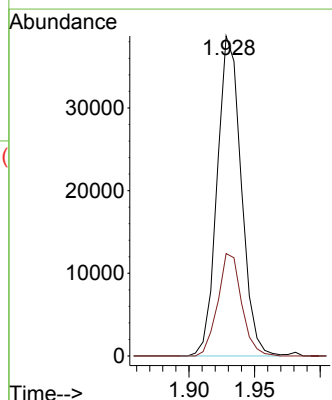
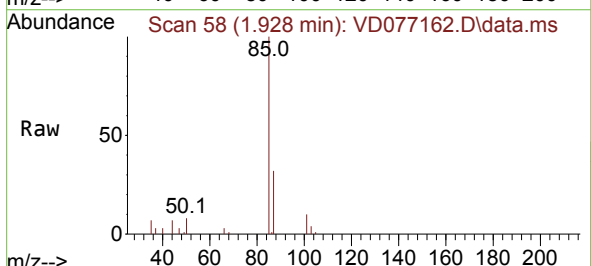
Acq: 20 Sep 2023 11:39

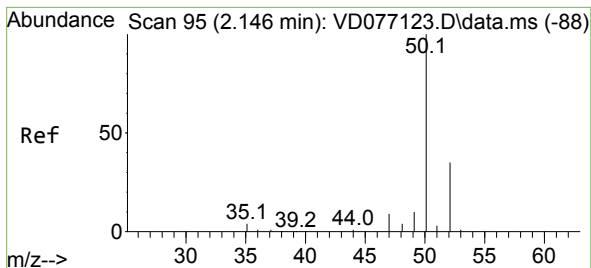
Tgt Ion: 85 Resp: 49215

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.0





#3

Chloromethane

Concen: 22.566 ug/l

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

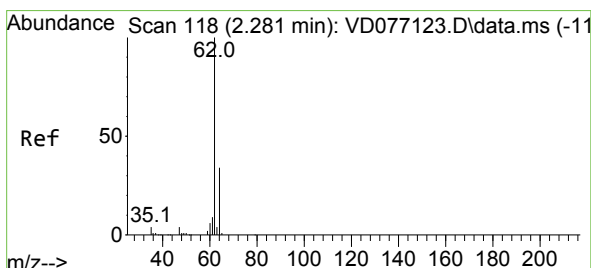
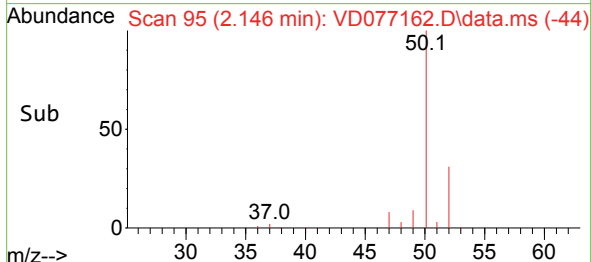
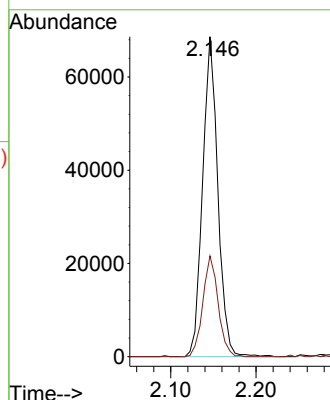
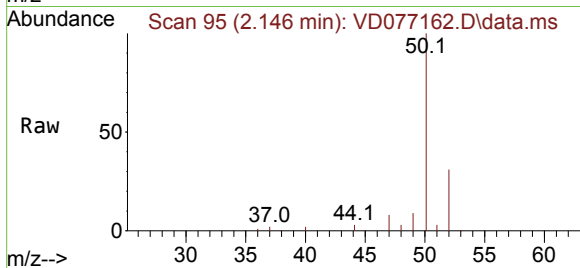
ClientSampleId :

Tgt Ion: 50 Resp: 85082

Ion Ratio Lower Upper

50 100

52 31.5 26.6 40.0



#4

Vinyl Chloride

Concen: 21.850 ug/l

RT: 2.281 min Scan# 118

Delta R.T. 0.000 min

Lab File: VD077162.D

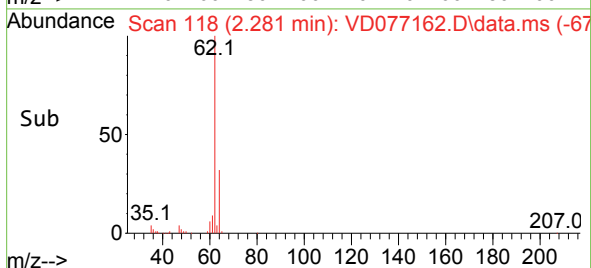
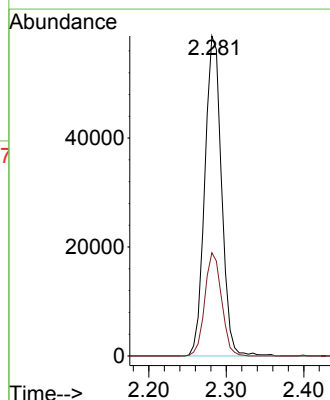
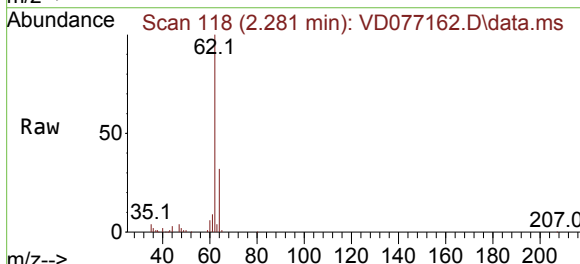
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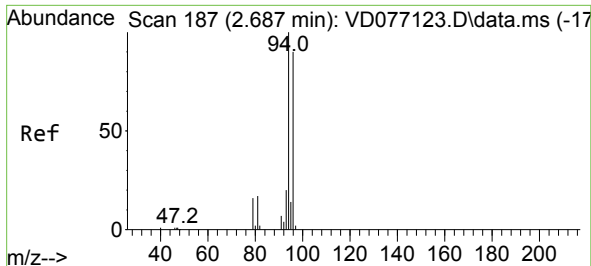
Tgt Ion: 62 Resp: 88127

Ion Ratio Lower Upper

62 100

64 32.3 26.0 39.0

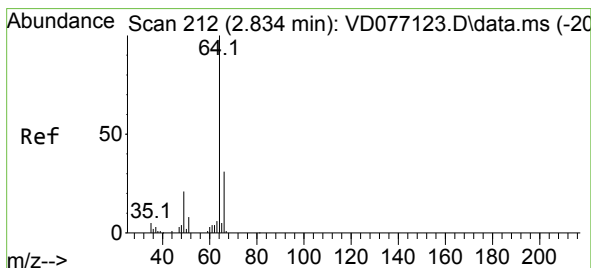
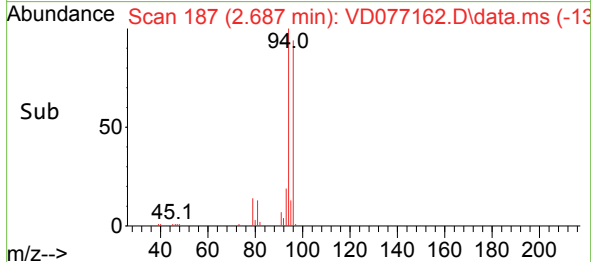
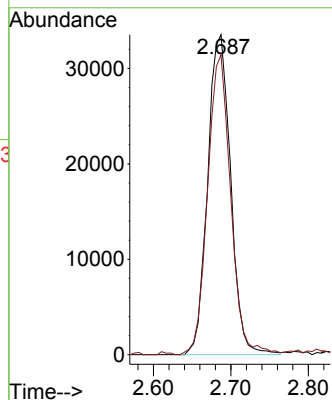
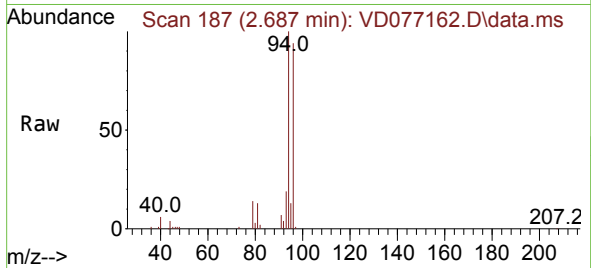




#5
Bromomethane
Concen: 23.542 ug/l
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

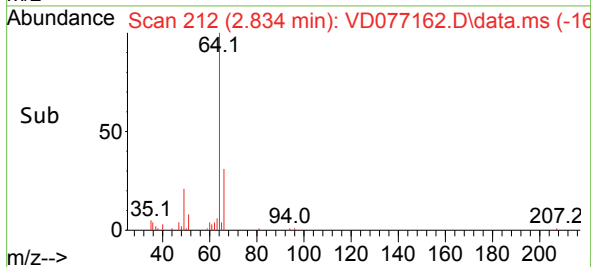
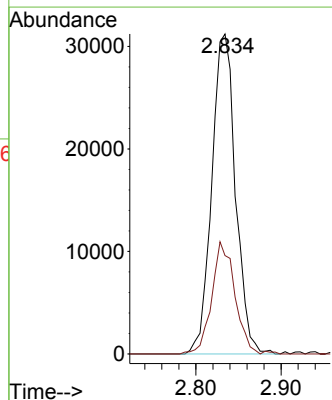
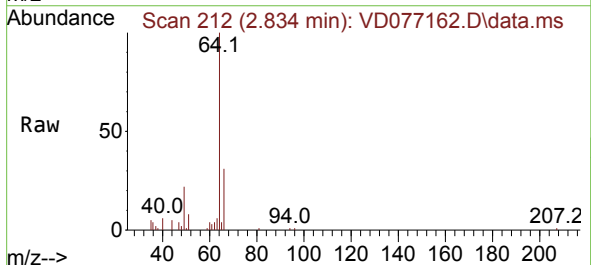
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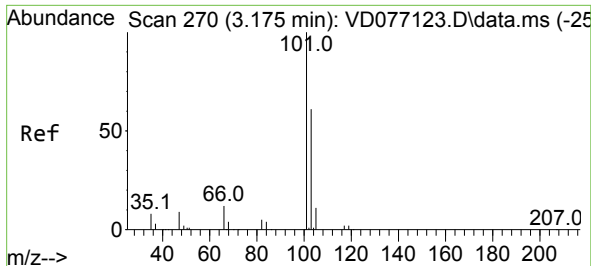
Tgt Ion: 94 Resp: 69155
Ion Ratio Lower Upper
94 100
96 94.1 75.8 113.8



#6
Chloroethane
Concen: 24.083 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 64 Resp: 60439
Ion Ratio Lower Upper
64 100
66 30.8 25.5 38.3

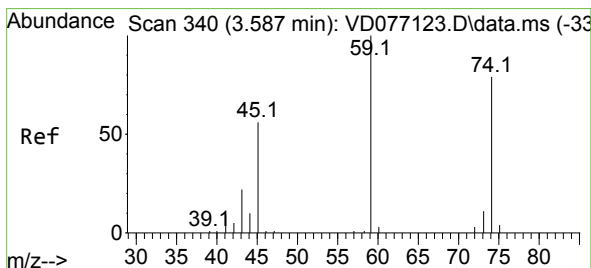
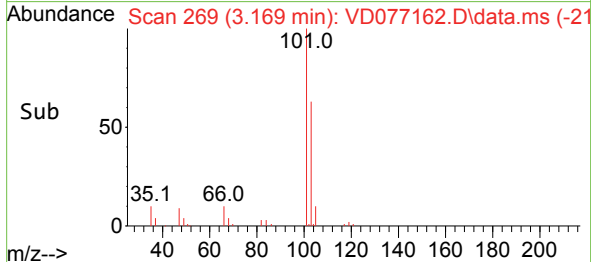
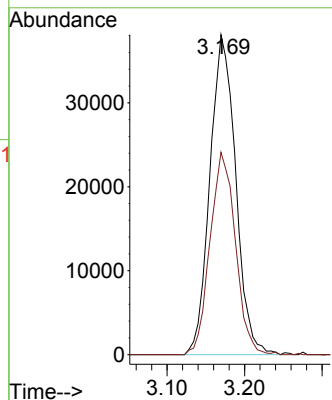
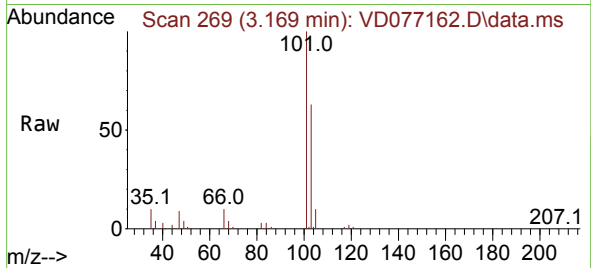




#7
 Trichlorofluoromethane
 Concen: 24.174 ug/l
 RT: 3.169 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

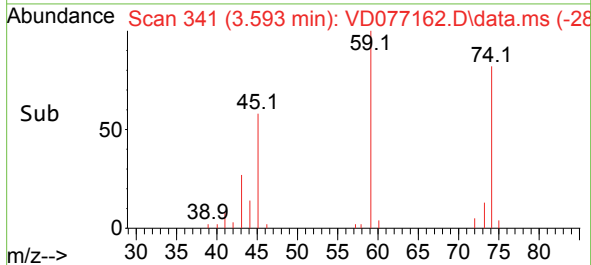
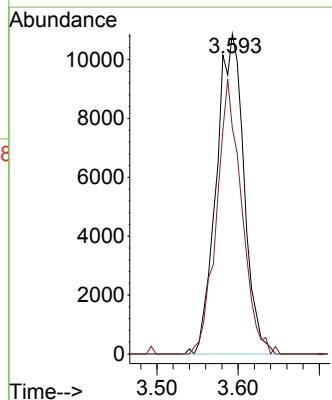
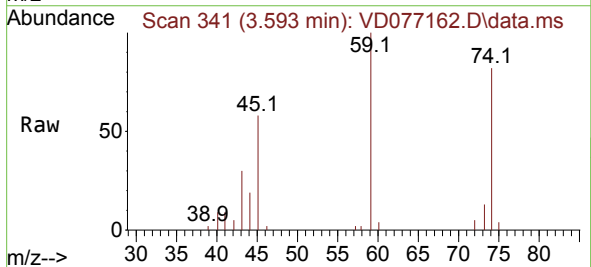
Instrument :
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 ClientSampleId :

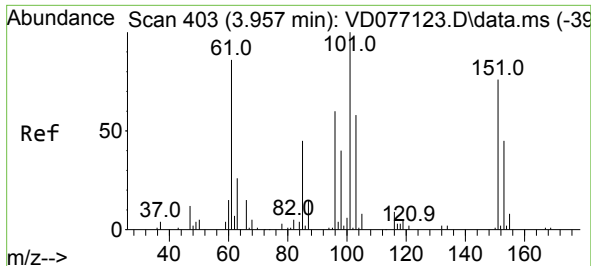
Tgt Ion:101 Resp: 88124
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.3 78.5



#8
 Diethyl Ether
 Concen: 21.771 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Tgt Ion: 74 Resp: 25615
 Ion Ratio Lower Upper
 74 100
 45 78.0 37.5 112.7

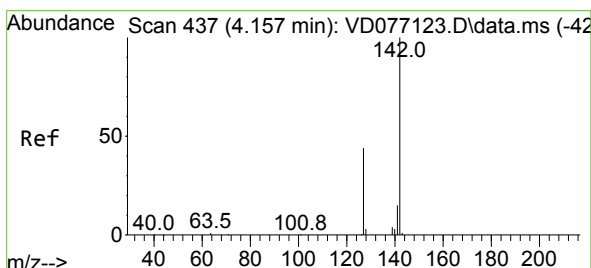
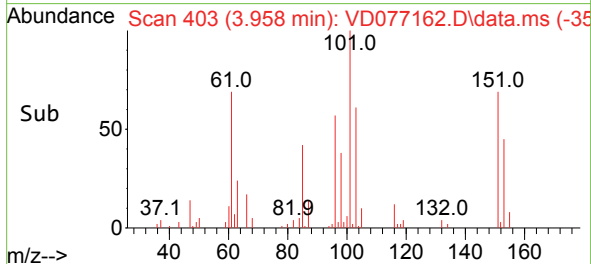
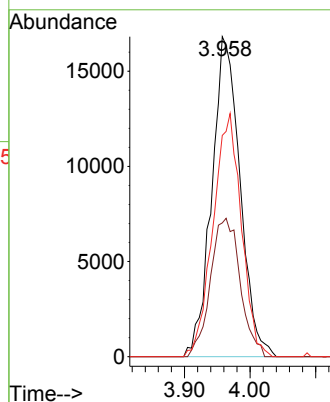
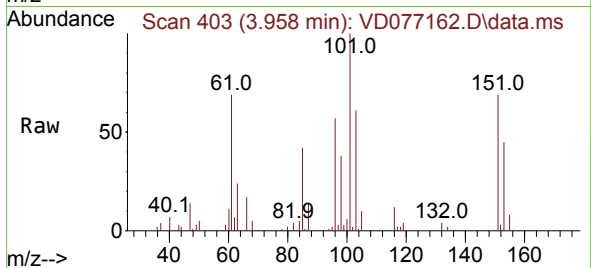




#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.022 ug/l
RT: 3.958 min Scan# 40
Delta R.T. 0.000 min
Lab File: VD077162.D
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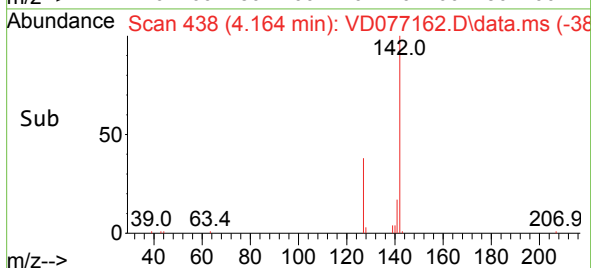
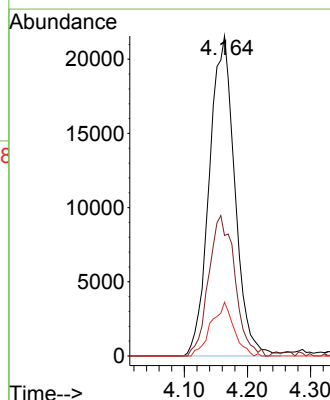
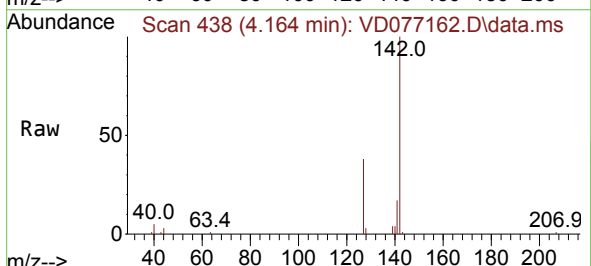
Instrument :
MSVOA_D
ClientSampleId :

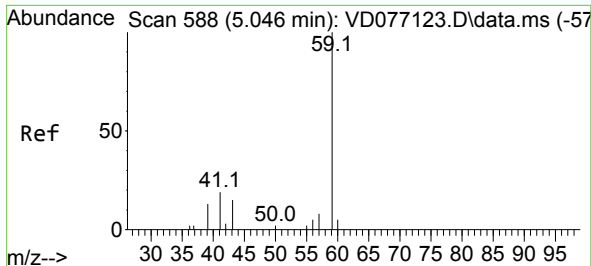
Tgt Ion:101 Resp: 50192
Ion Ratio Lower Upper
101 100
85 45.6 33.8 50.6
151 76.3 59.8 89.6



#10
Methyl Iodide
Concen: 18.565 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion:142 Resp: 60479
Ion Ratio Lower Upper
142 100
127 45.0 29.4 44.0#
141 15.0 11.1 16.7

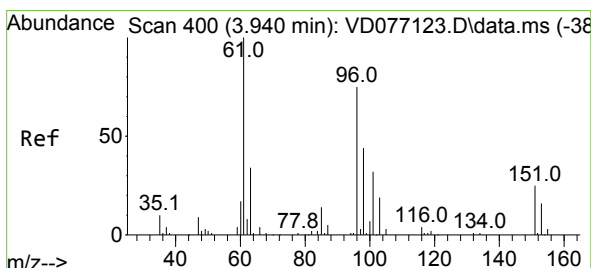
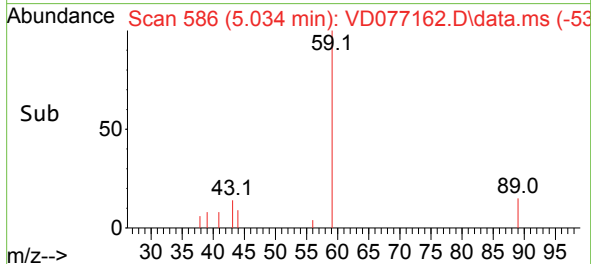
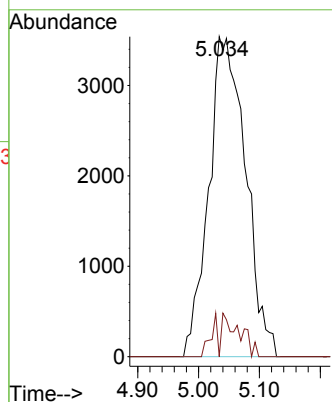
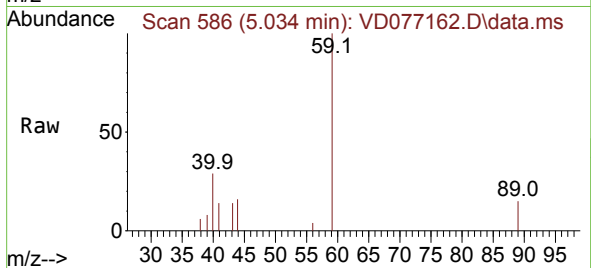




#11
Tert butyl alcohol
Concen: 131.109 ug/l
RT: 5.034 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

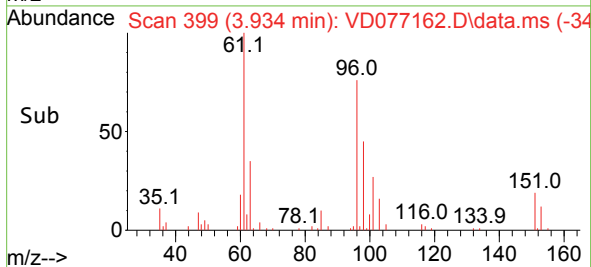
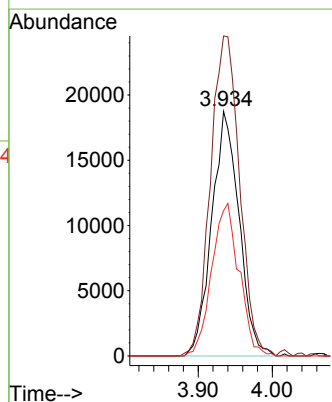
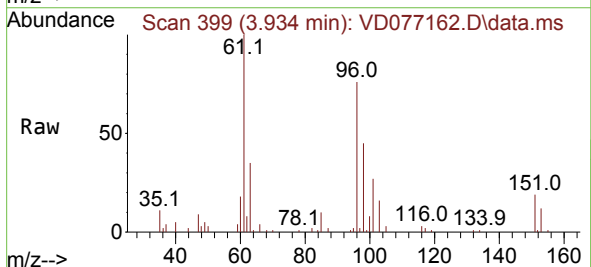
Instrument :
MSVOA_D
ClientSampleId :

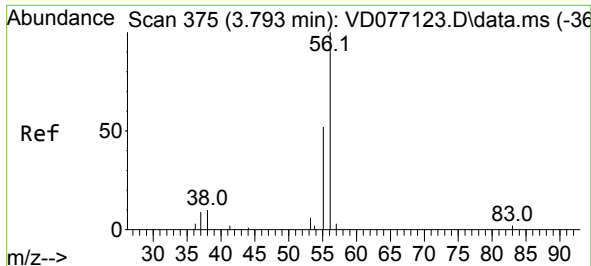
Tgt Ion: 59 Resp: 14890
Ion Ratio Lower Upper
59 100
57 6.5 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 20.908 ug/l
RT: 3.934 min Scan# 399
Delta R.T. -0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 96 Resp: 48005
Ion Ratio Lower Upper
96 100
61 130.8 100.6 150.8
98 59.4 50.2 75.2





#13

Acrolein

Concen: 165.374 ug/l

RT: 3.805 min Scan# 31

Delta R.T. 0.012 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

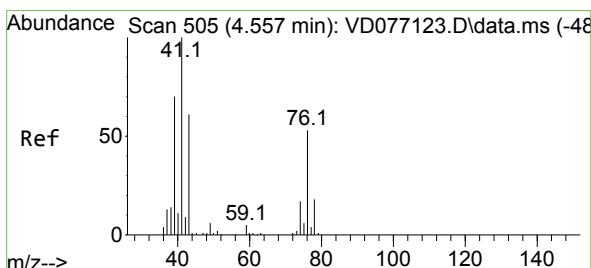
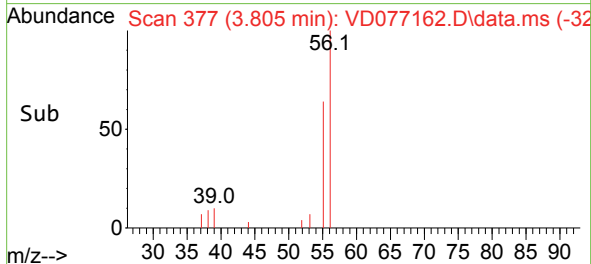
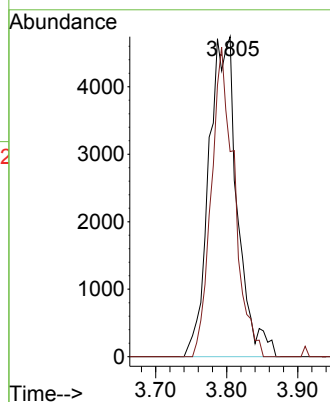
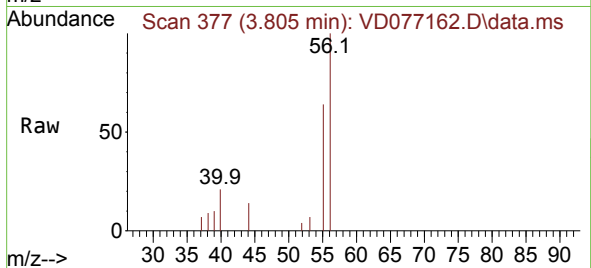
ClientSampleId :

Tgt Ion: 56 Resp: 13218

Ion Ratio Lower Upper

56 100

55 77.9 55.1 82.7



#14

Allyl chloride

Concen: 20.444 ug/l

RT: 4.558 min Scan# 505

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

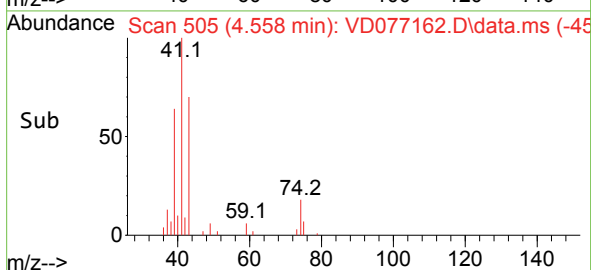
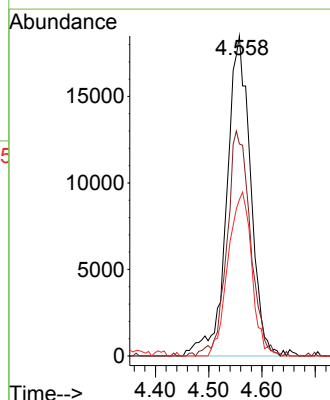
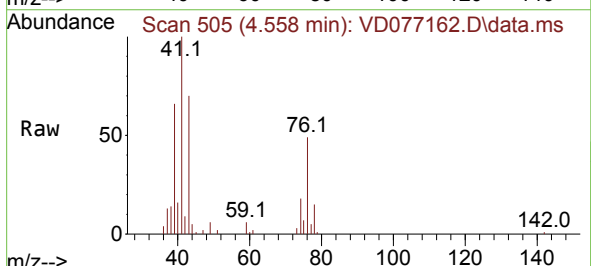
Tgt Ion: 41 Resp: 57268

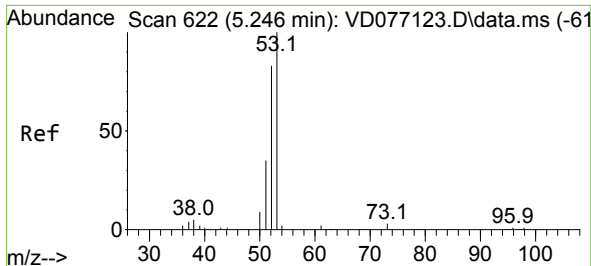
Ion Ratio Lower Upper

41 100

39 69.6 53.8 80.6

76 51.1 45.8 68.8





#15

Acrylonitrile

Concen: 111.670 ug/l

RT: 5.258 min Scan# 61

Delta R.T. 0.012 min

Lab File: VD077162.D

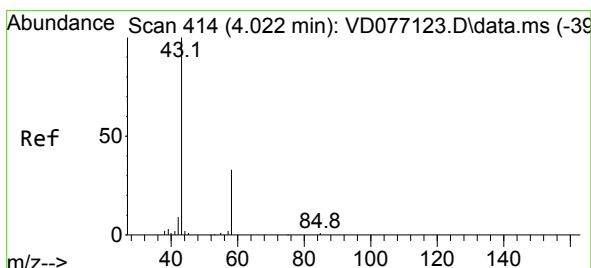
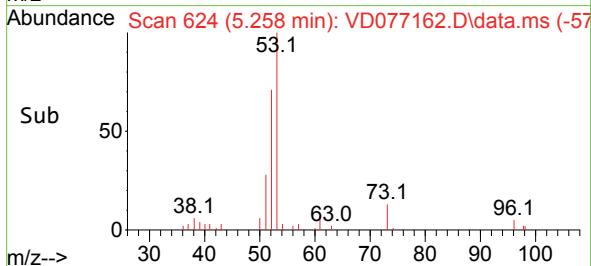
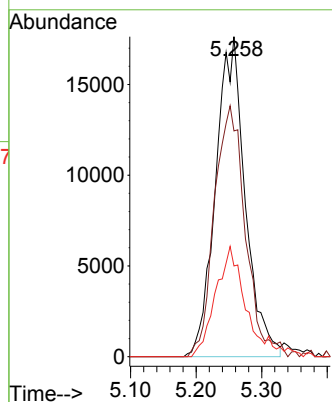
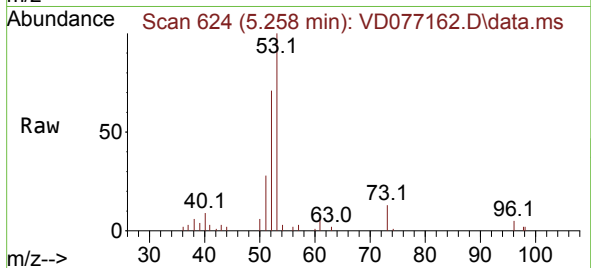
Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 53	Resp: 55094
Ion Ratio	Lower Upper
53 100	
52 82.5	65.0 97.4
51 35.9	28.3 42.5



#16

Acetone

Concen: 111.155 ug/l

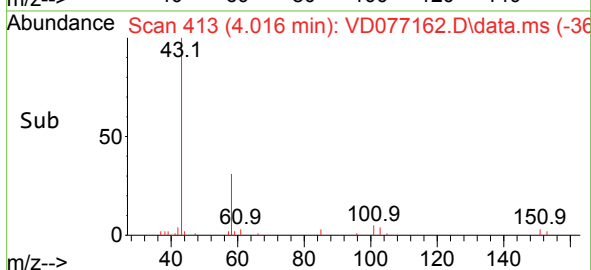
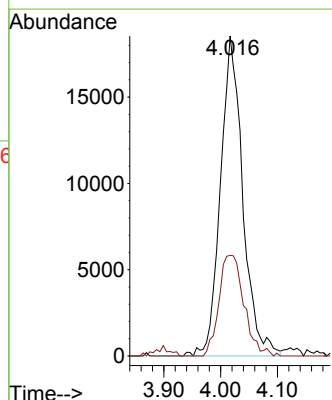
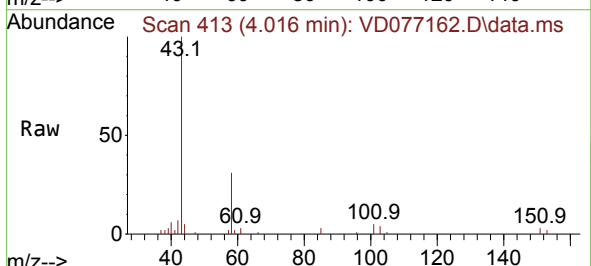
RT: 4.016 min Scan# 413

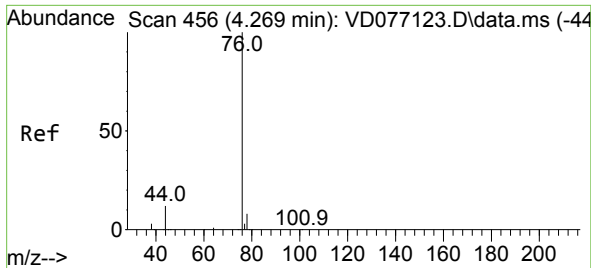
Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Tgt Ion: 43	Resp: 50604
Ion Ratio	Lower Upper
43 100	
58 31.5	34.7 52.1#

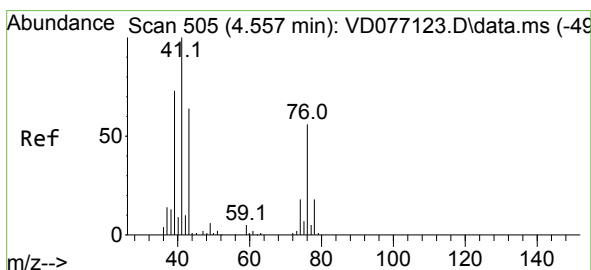
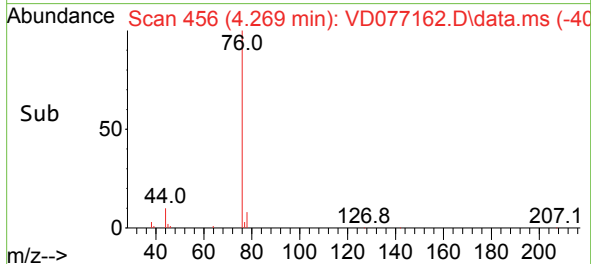
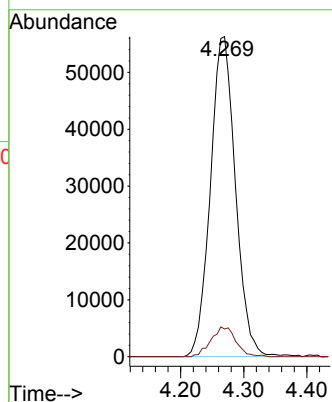
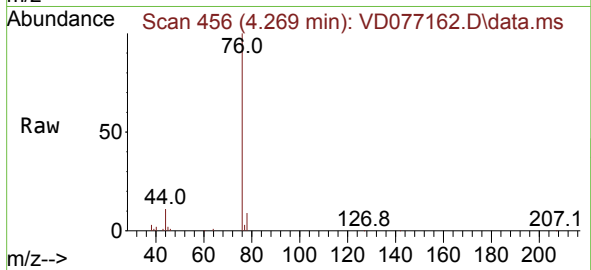




#17
Carbon Disulfide
Concen: 20.510 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

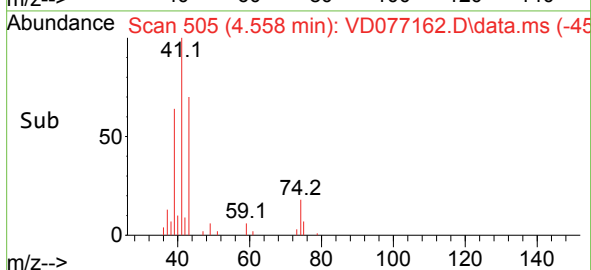
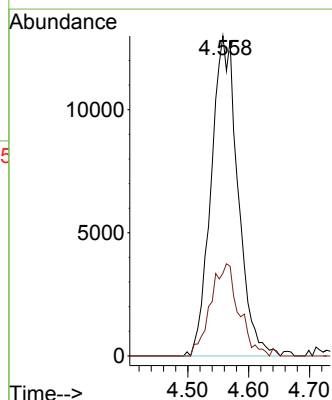
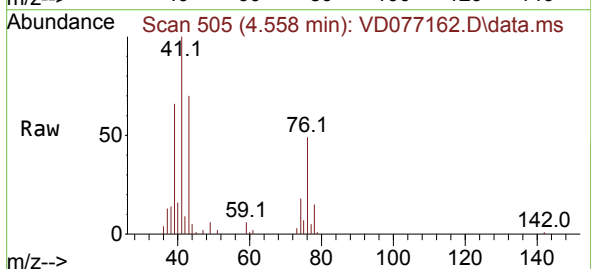
Instrument :
MSVOA_D
ClientSampleId :

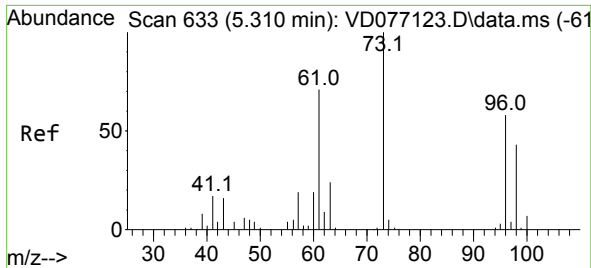
Tgt Ion: 76 Resp: 155021
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2



#18
Methyl Acetate
Concen: 23.140 ug/l
RT: 4.558 min Scan# 505
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 43 Resp: 39835
Ion Ratio Lower Upper
43 100
74 30.3 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 21.521 ug/l

RT: 5.311 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

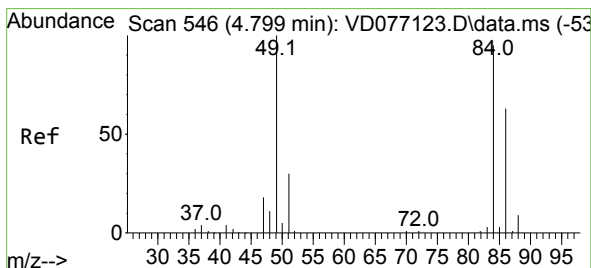
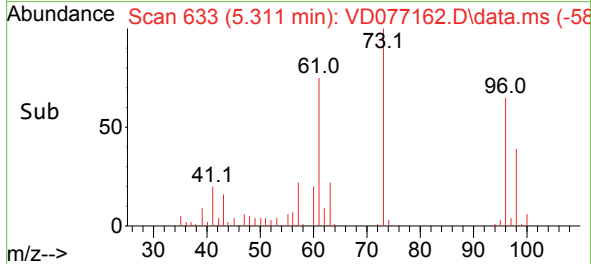
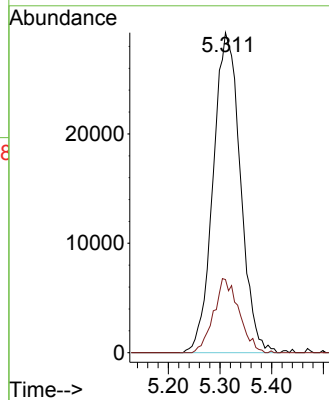
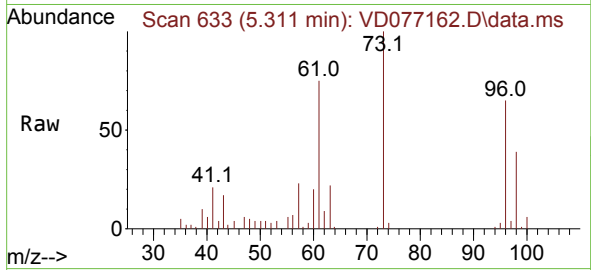
ClientSampleId :

Tgt Ion: 73 Resp: 106923

Ion Ratio Lower Upper

73 100

57 22.8 16.6 25.0



#20

Methylene Chloride

Concen: 25.308 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Tgt Ion: 84 Resp: 83700

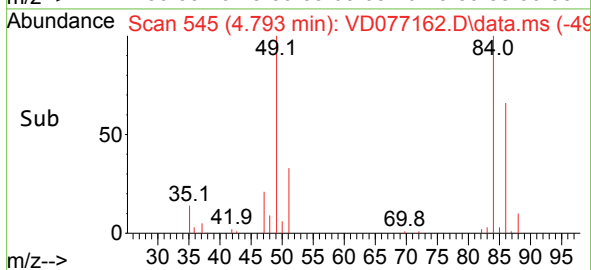
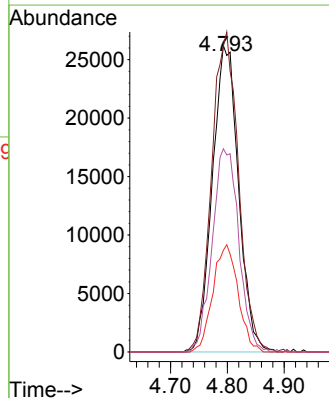
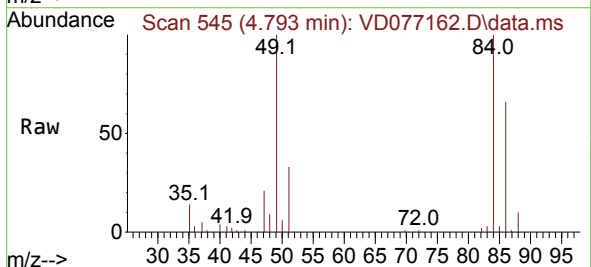
Ion Ratio Lower Upper

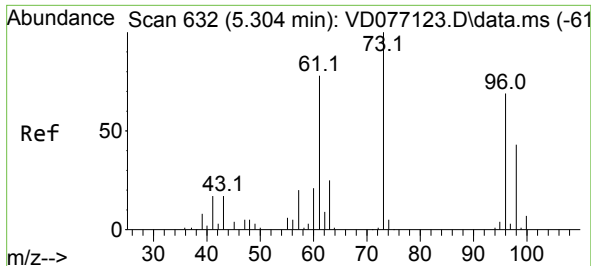
84 100

49 99.9 71.4 107.2

51 33.2 24.5 36.7

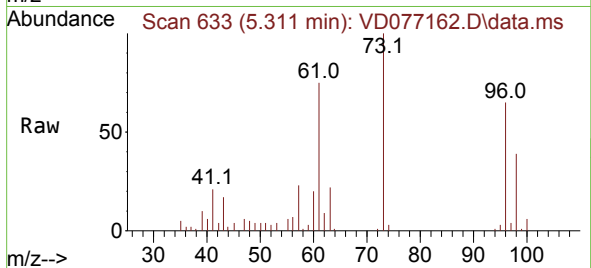
86 66.3 48.7 73.1



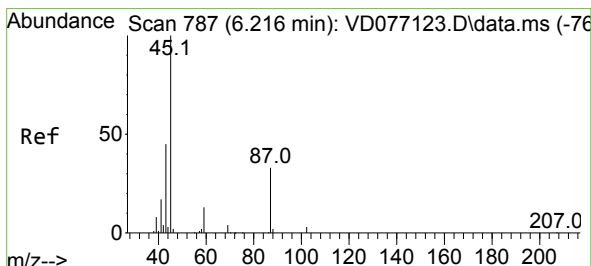
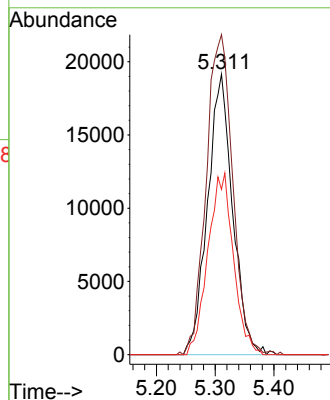
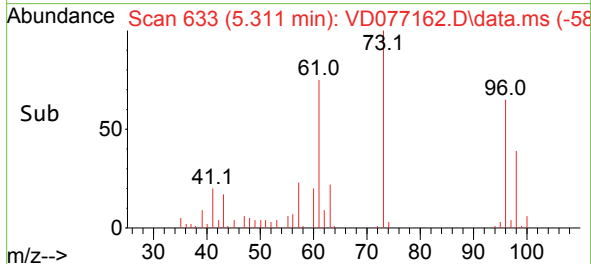


#21
trans-1,2-Dichloroethene
Concen: 20.443 ug/l
RT: 5.311 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

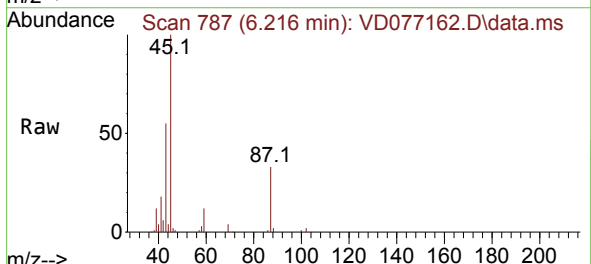
Instrument :
MSVOA_D
ClientSampleId :



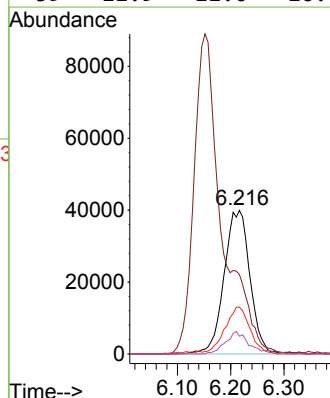
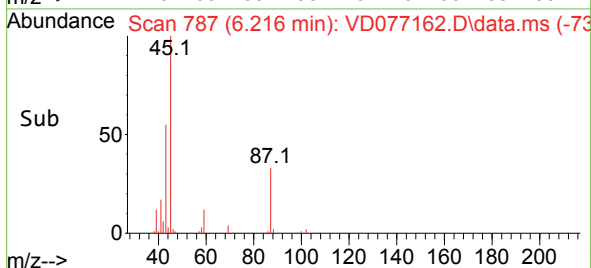
Tgt Ion: 96 Resp: 56739
Ion Ratio Lower Upper
96 100
61 113.2 89.3 133.9
98 58.9 48.6 73.0

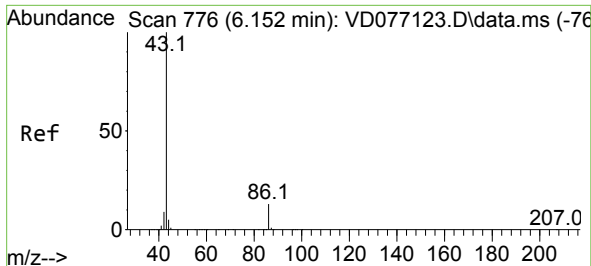


#22
Diisopropyl ether
Concen: 21.213 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39



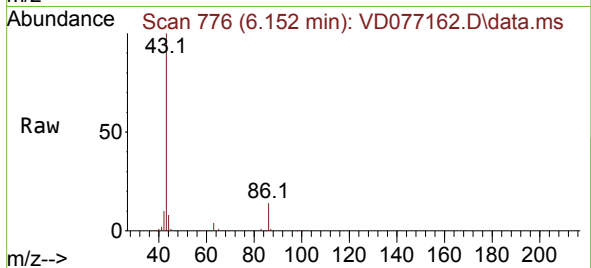
Tgt Ion: 45 Resp: 134350
Ion Ratio Lower Upper
45 100
43 54.1 40.0 60.0
87 32.7 28.2 42.4
59 11.9 11.0 16.4



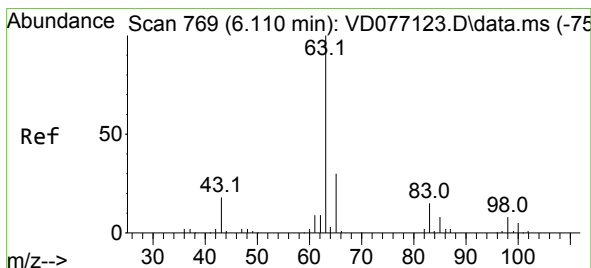
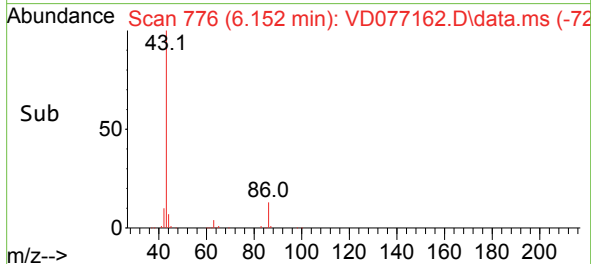
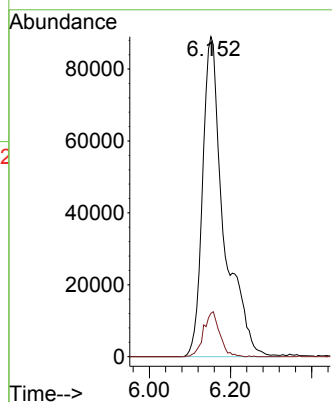


#23
 Vinyl Acetate
 Concen: 127.963 ug/l
 RT: 6.152 min Scan# 776
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Instrument :
 MSVOA_D
 ClientSampleId :

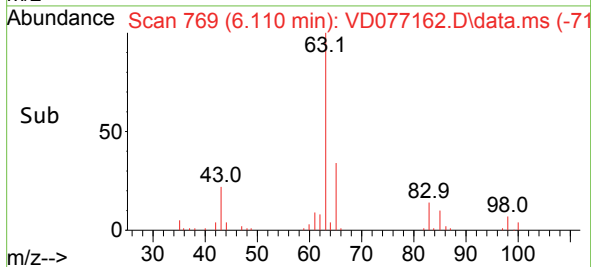
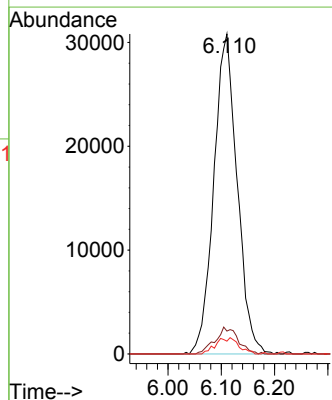
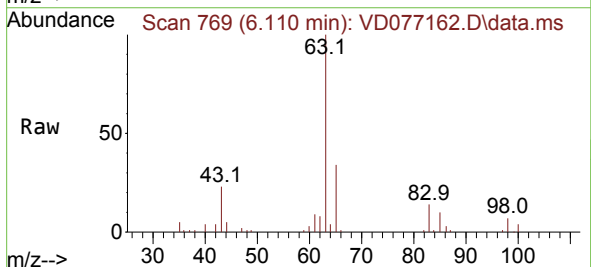


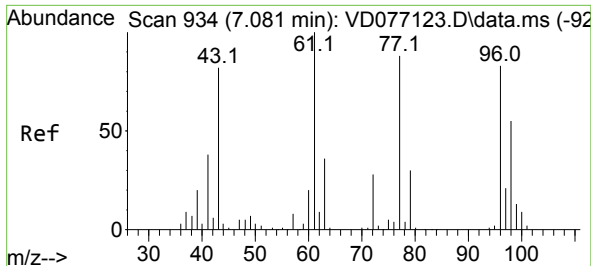
Tgt Ion: 43 Resp: 324006
 Ion Ratio Lower Upper
 43 100
 86 13.5 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 20.653 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Tgt Ion: 63 Resp: 93882
 Ion Ratio Lower Upper
 63 100
 98 7.2 4.5 13.7
 100 4.0 2.5 7.5

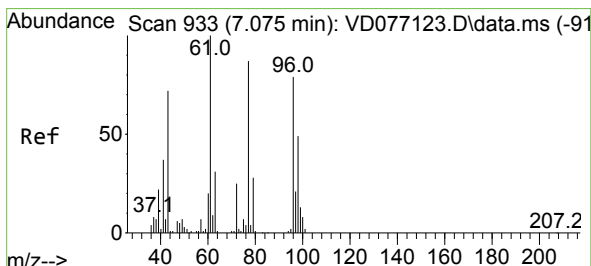
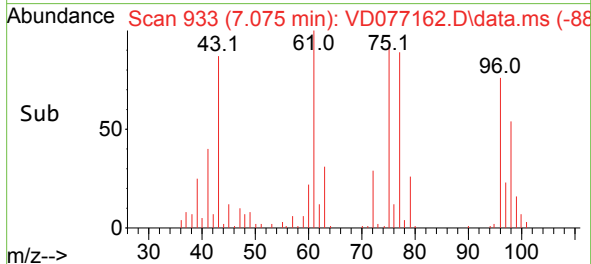
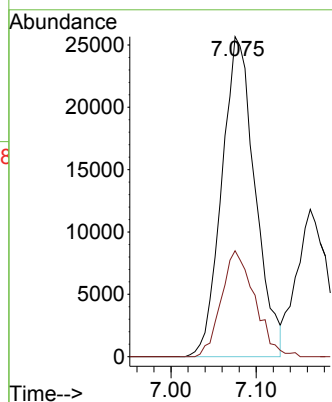
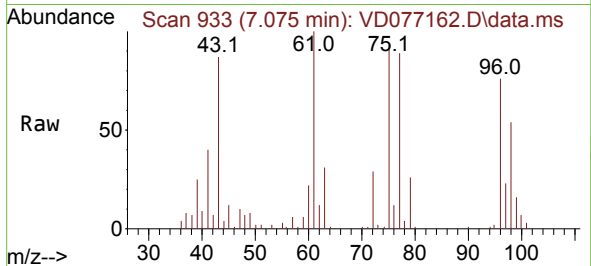




#25
2-Butanone
Concen: 116.364 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

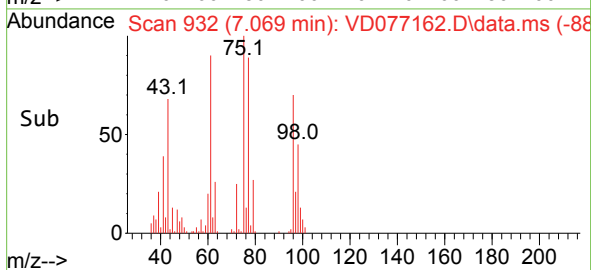
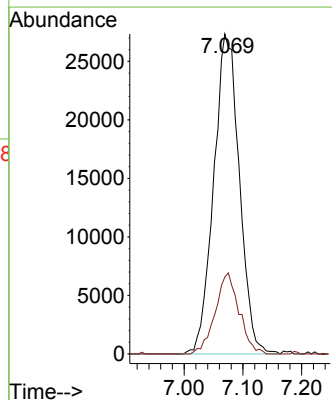
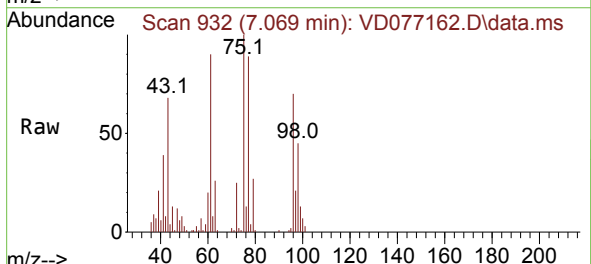
Instrument :
MSVOA_D
ClientSampleId :

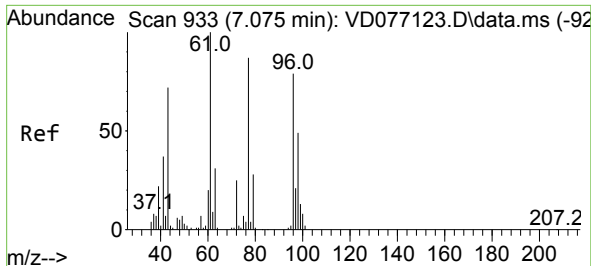
Tgt Ion: 43 Resp: 69695
Ion Ratio Lower Upper
43 100
72 33.1 30.7 46.1



#26
2,2-Dichloropropane
Concen: 21.481 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 77 Resp: 82886
Ion Ratio Lower Upper
77 100
97 23.6 13.2 39.6

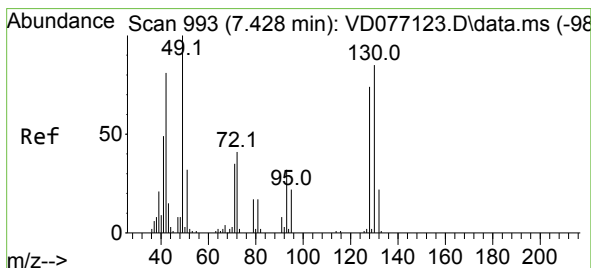
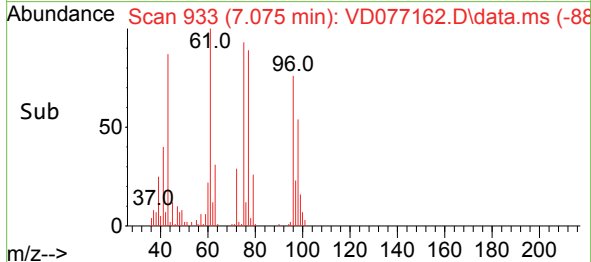
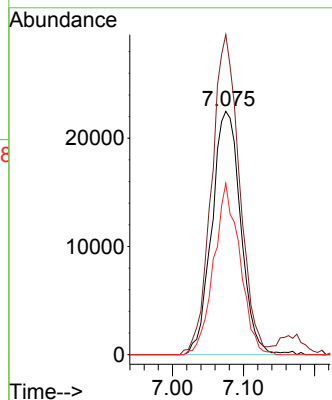
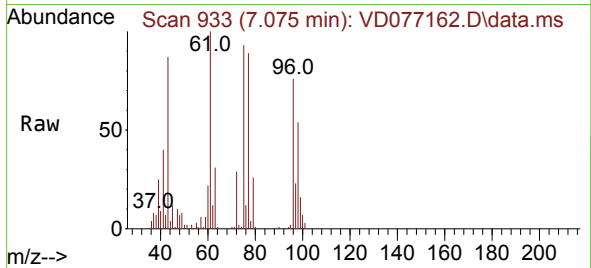




#27
 cis-1,2-Dichloroethene
 Concen: 20.257 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

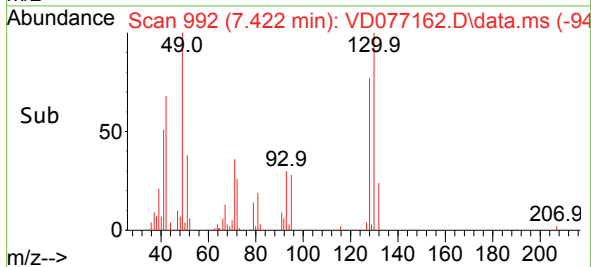
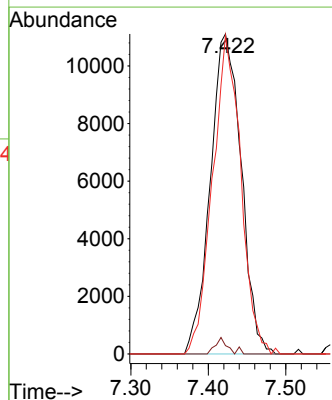
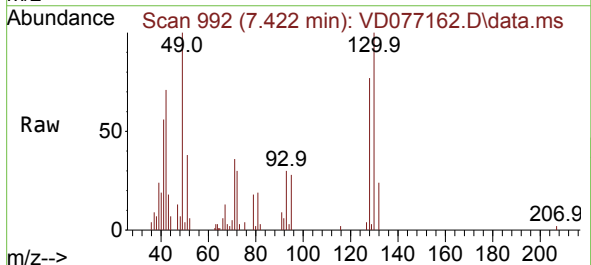
Instrument :
 MSVOA_D
 ClientSampleId :

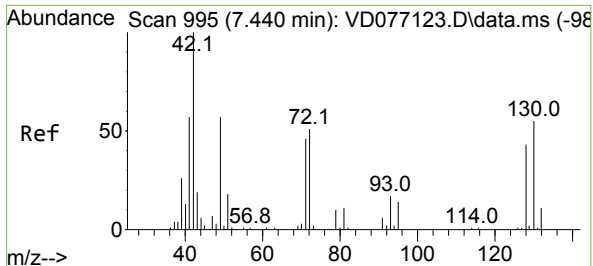
Tgt Ion: 96 Resp: 63204
 Ion Ratio Lower Upper
 96 100
 61 127.8 0.0 239.2
 98 63.7 0.0 128.6



#28
 Bromochloromethane
 Concen: 22.035 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Tgt Ion: 49 Resp: 30758
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 6.0
 130 91.2 83.2 124.8





#29

Tetrahydrofuran

Concen: 114.865 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

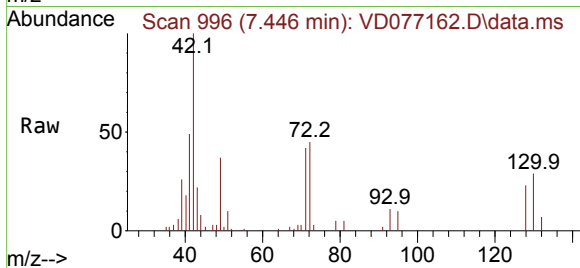
Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :



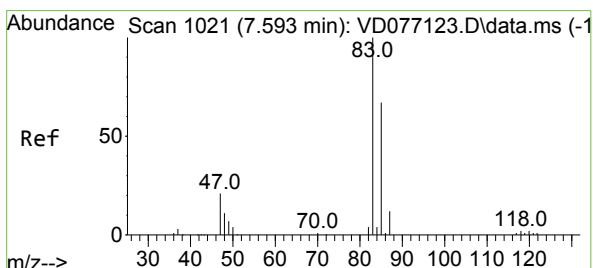
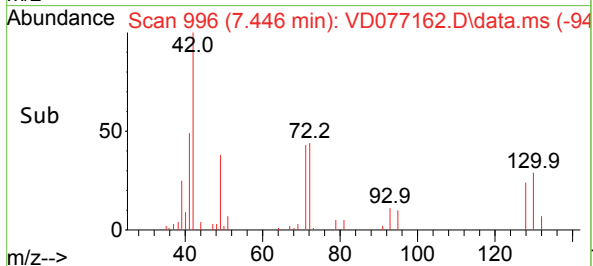
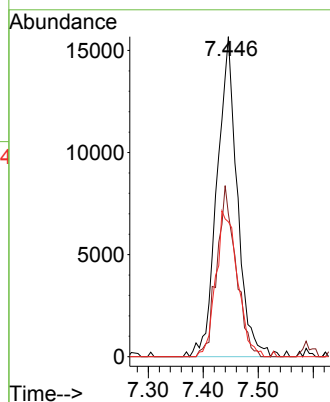
Tgt Ion: 42 Resp: 40218

Ion Ratio Lower Upper

42 100

72 50.3 46.5 69.7

71 48.6 44.5 66.7



#30

Chloroform

Concen: 21.170 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD077162.D

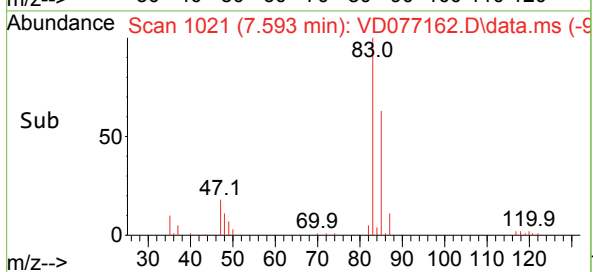
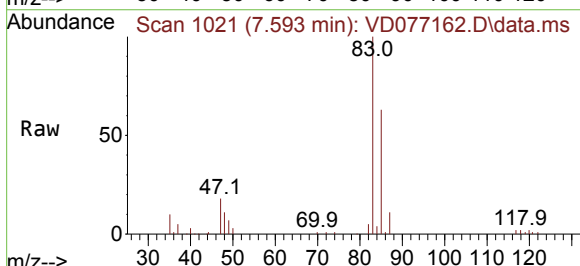
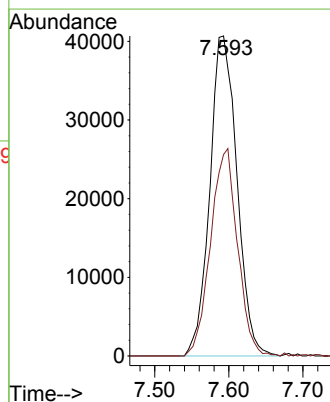
Acq: 20 Sep 2023 11:39

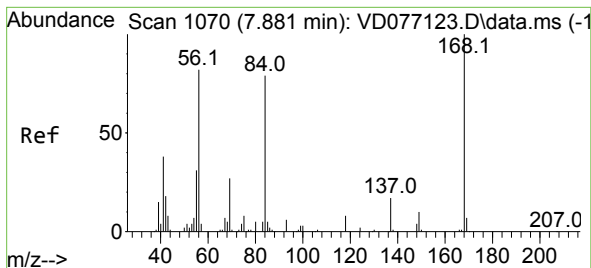
Tgt Ion: 83 Resp: 103712

Ion Ratio Lower Upper

83 100

85 62.9 53.4 80.2





#31

Cyclohexane

Concen: 20.666 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

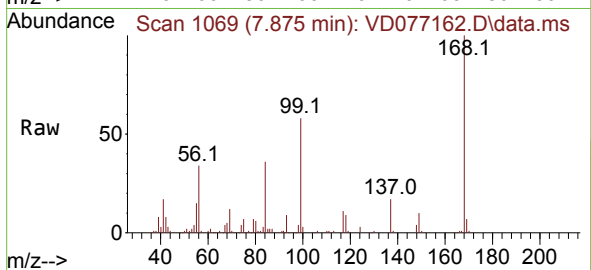
Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :



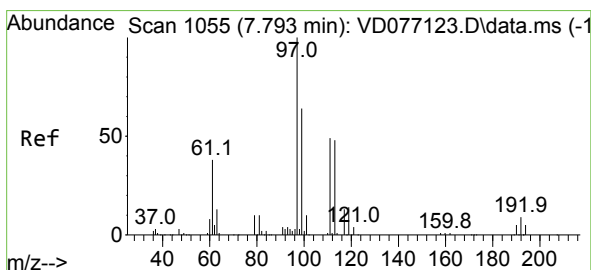
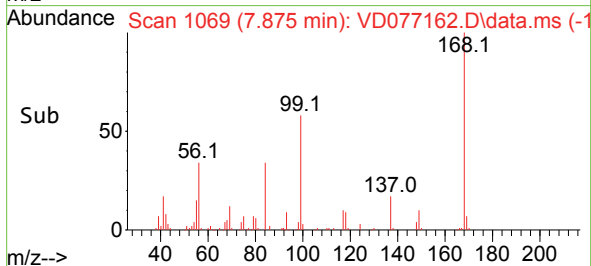
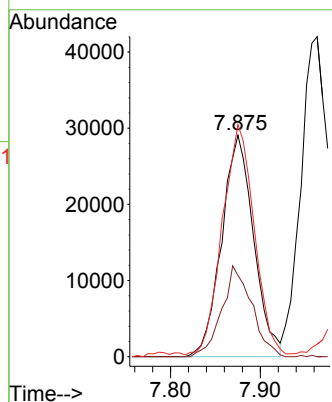
Tgt Ion: 56 Resp: 72016

Ion Ratio Lower Upper

56 100

69 36.7 28.6 43.0

84 103.2 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 22.038 ug/l

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

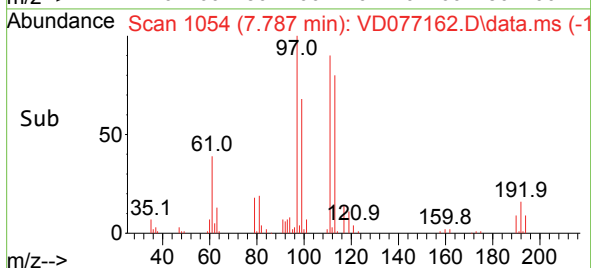
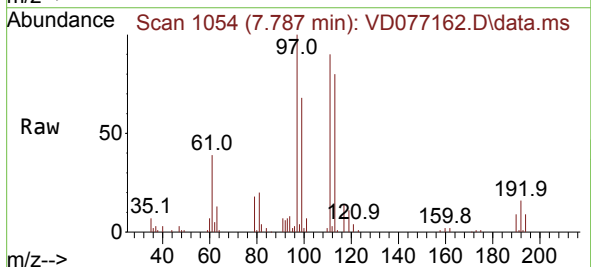
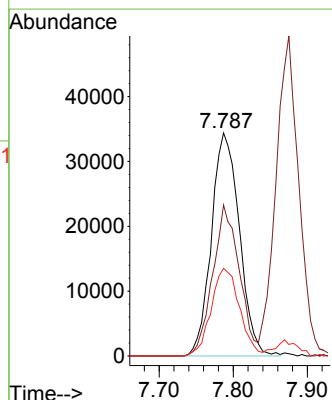
Tgt Ion: 97 Resp: 90122

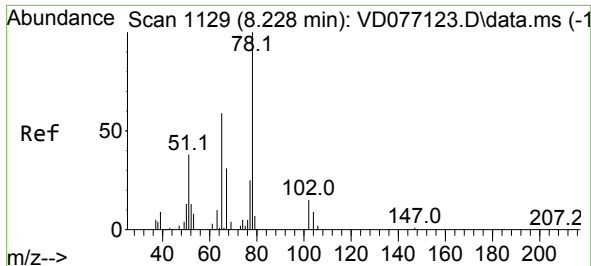
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 39.8 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 53.080 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

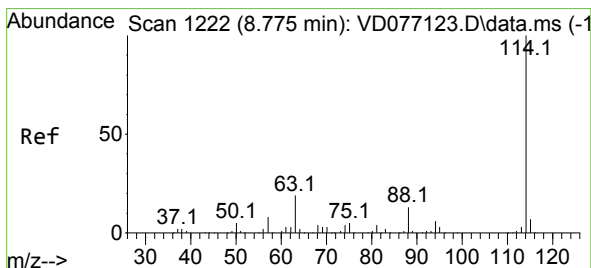
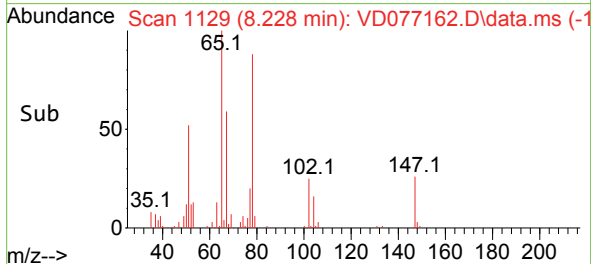
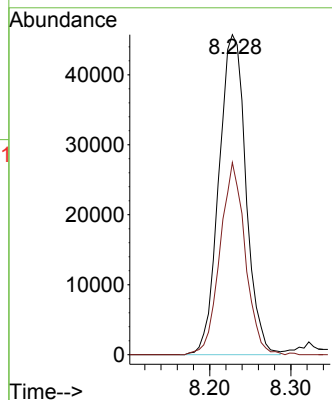
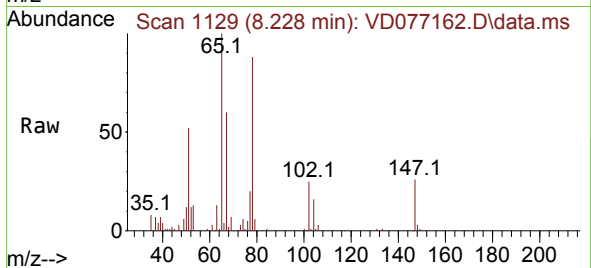
ClientSampleId :

Tgt Ion: 65 Resp: 105731

Ion Ratio Lower Upper

65 100

67 55.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

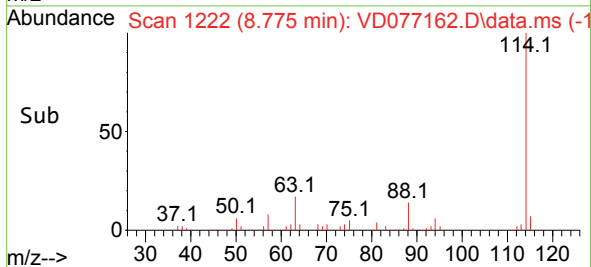
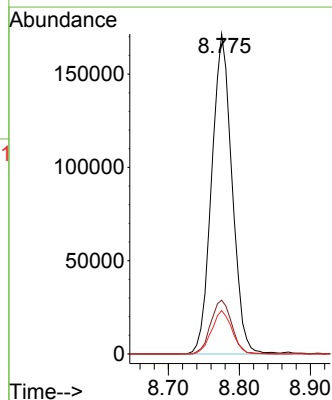
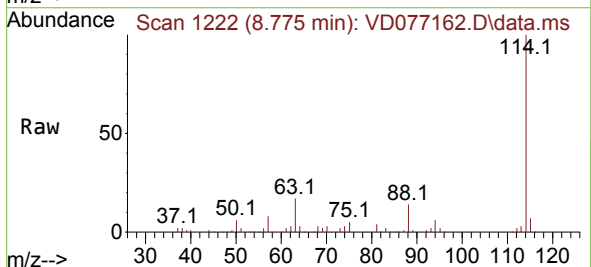
Tgt Ion: 114 Resp: 341024

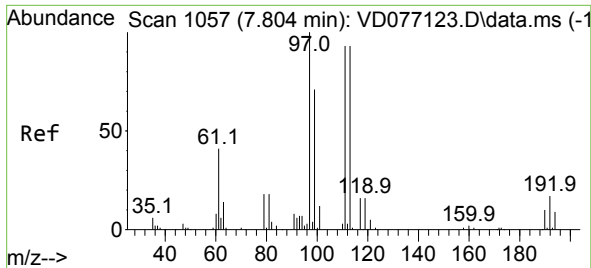
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

88 13.5 0.0 26.2

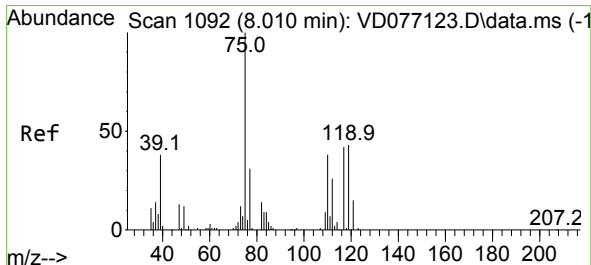
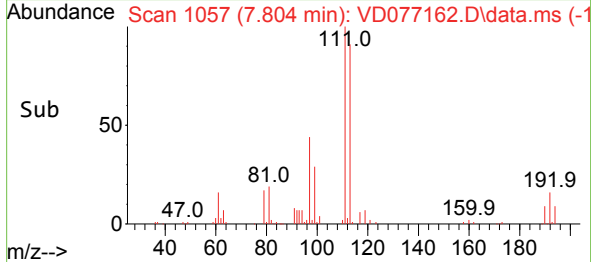
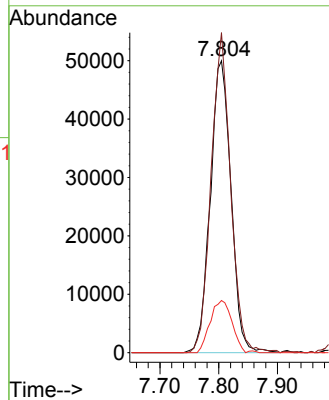
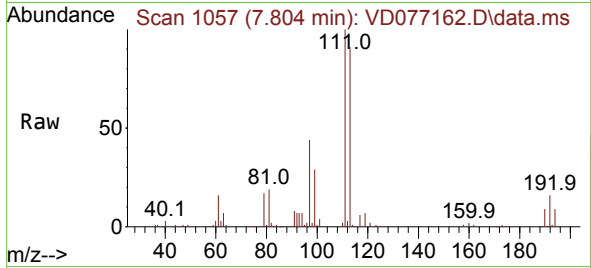




#35
Dibromofluoromethane
Concen: 51.586 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

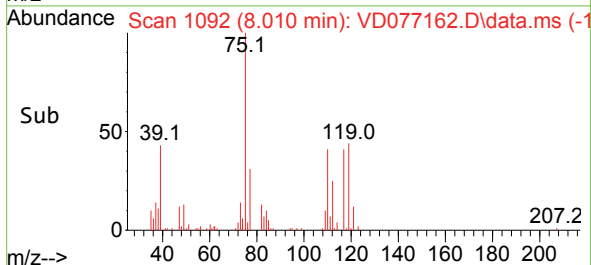
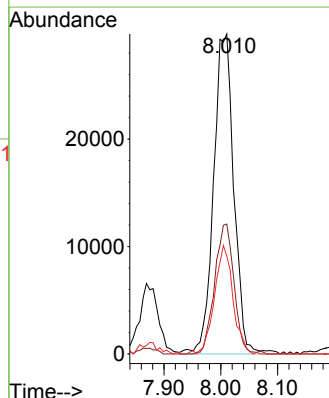
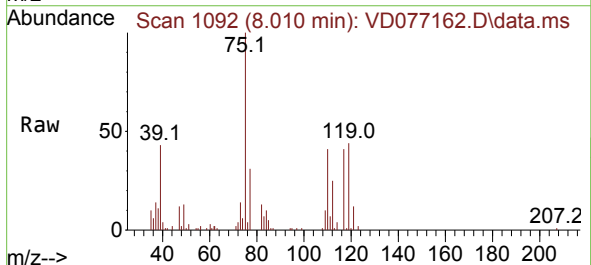
Instrument :
MSVOA_D
ClientSampleId :

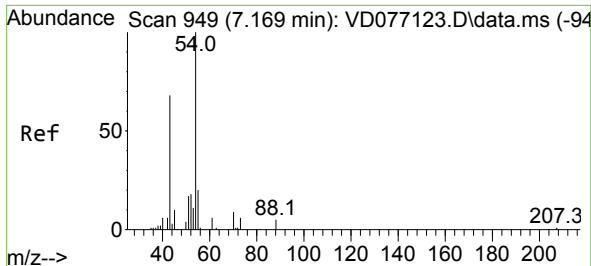
Tgt Ion:113 Resp: 122194
Ion Ratio Lower Upper
113 100
111 103.1 84.7 127.1
192 18.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 20.715 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 75 Resp: 73898
Ion Ratio Lower Upper
75 100
110 38.8 19.9 59.6
77 30.9 24.7 37.1





#37

Ethyl Acetate

Concen: 23.066 ug/l

RT: 7.163 min Scan# 949

Delta R.T. -0.006 min

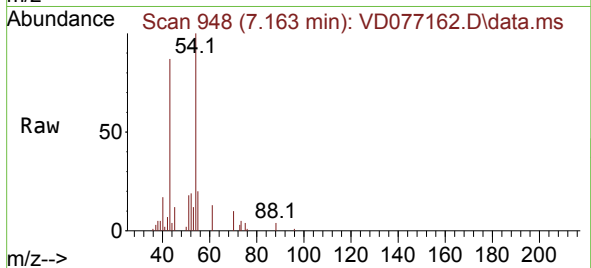
Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :



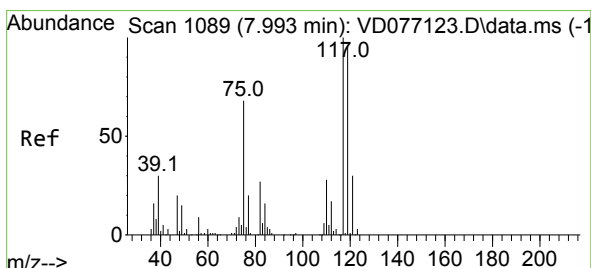
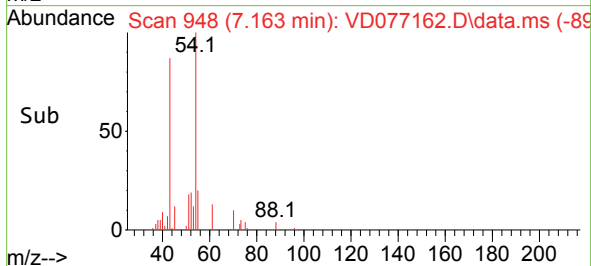
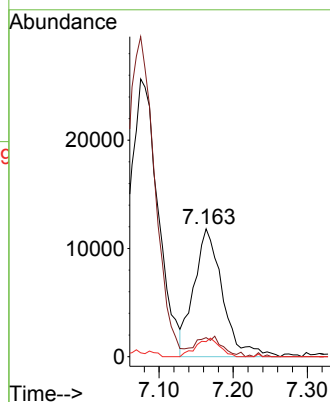
Tgt Ion: 43 Resp: 31570

Ion Ratio Lower Upper

43 100

61 15.2 14.9 22.3

70 11.8 10.0 15.0



#38

Carbon Tetrachloride

Concen: 21.005 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

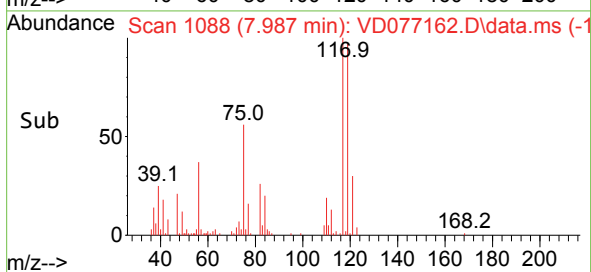
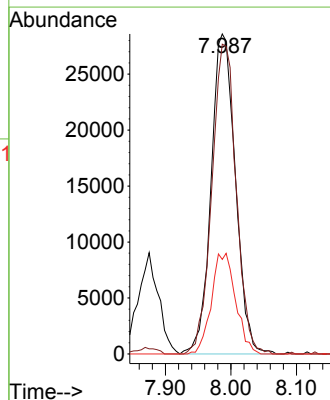
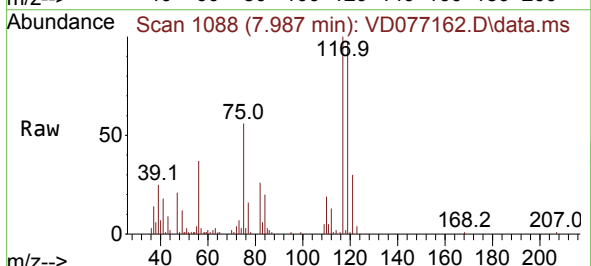
Tgt Ion: 117 Resp: 73647

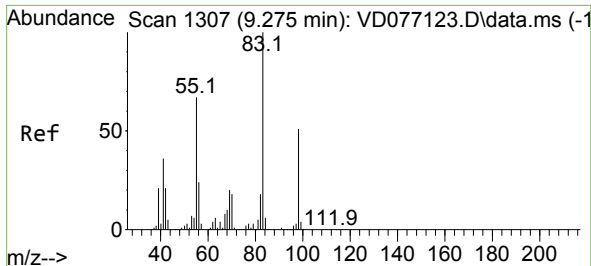
Ion Ratio Lower Upper

117 100

119 96.8 78.0 117.0

121 29.5 24.2 36.2





#39

Methylcyclohexane

Concen: 19.561 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

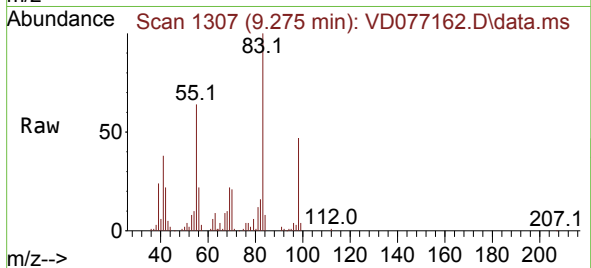
Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :



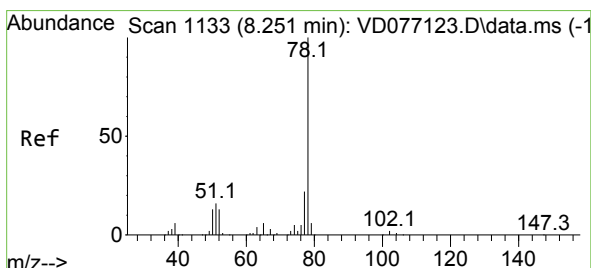
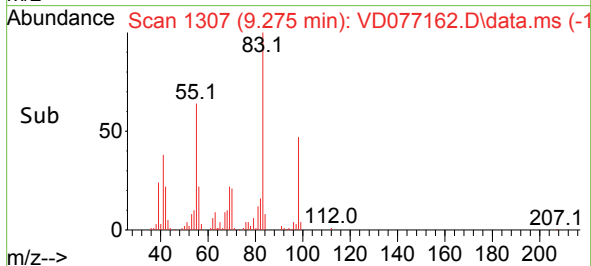
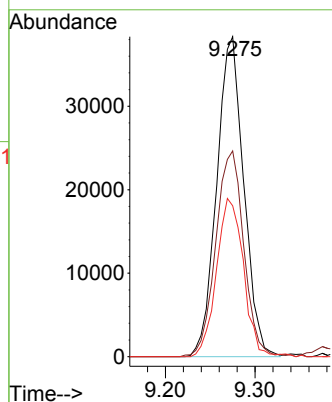
Tgt Ion: 83 Resp: 80289

Ion Ratio Lower Upper

83 100

55 64.3 49.4 74.0

98 47.1 38.4 57.6



#40

Benzene

Concen: 20.643 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VD077162.D

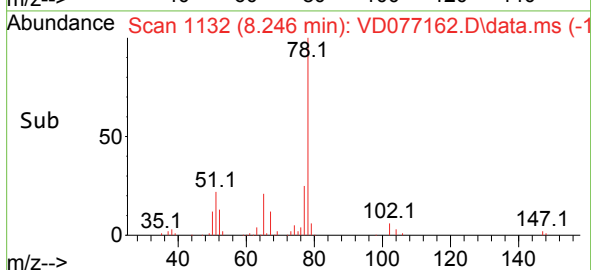
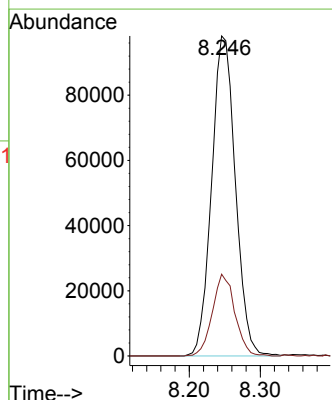
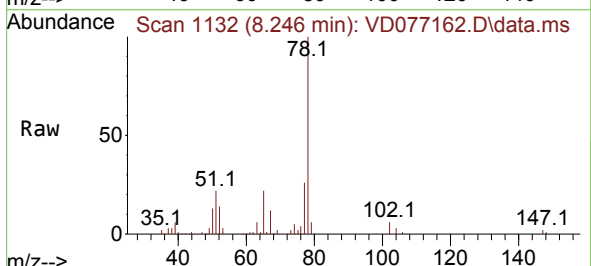
Acq: 20 Sep 2023 11:39

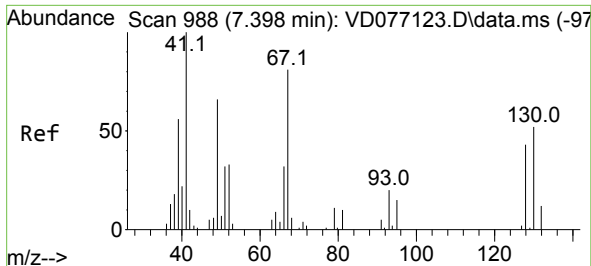
Tgt Ion: 78 Resp: 227838

Ion Ratio Lower Upper

78 100

77 25.6 19.4 29.0

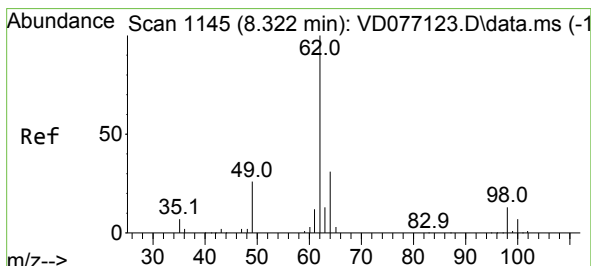
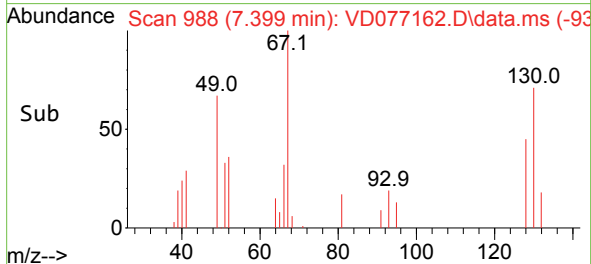
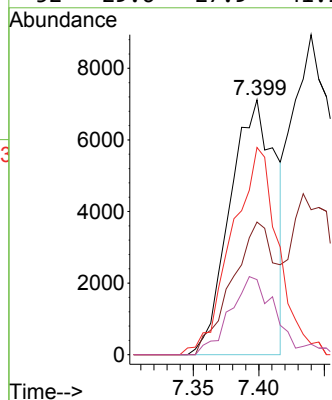
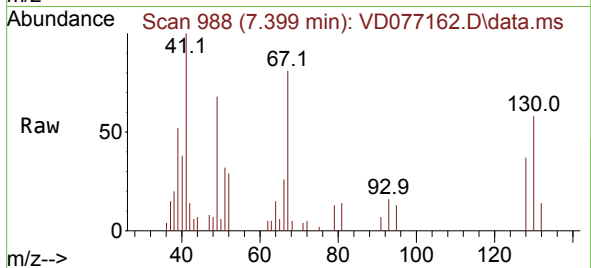




#41
Methacrylonitrile
Concen: 23.637 ug/l
RT: 7.399 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

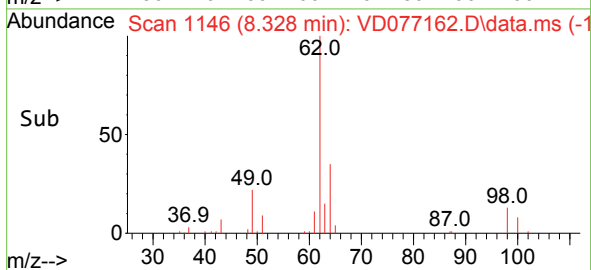
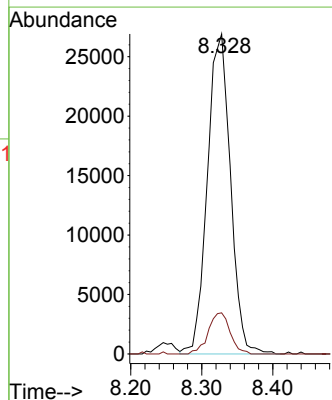
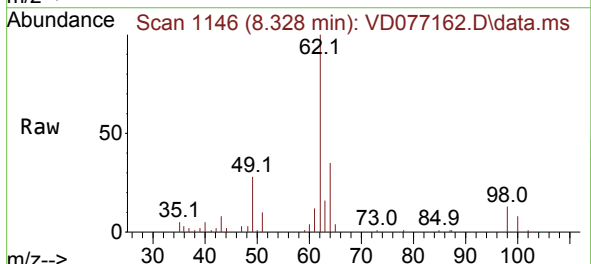
Instrument :
MSVOA_D
ClientSampleId :

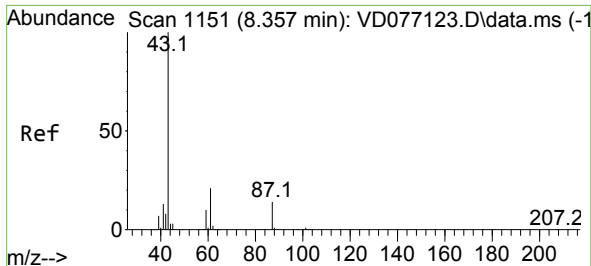
Tgt Ion: 41 Resp: 17267
Ion Ratio Lower Upper
41 100
39 49.6 34.0 51.0
67 82.3 77.0 115.4
52 29.6 27.9 41.9



#42
1,2-Dichloroethane
Concen: 22.238 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 62 Resp: 60852
Ion Ratio Lower Upper
62 100
98 12.1 0.0 25.4

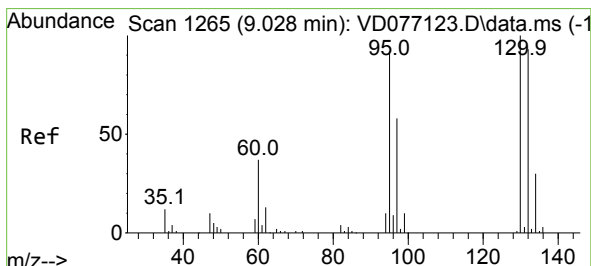
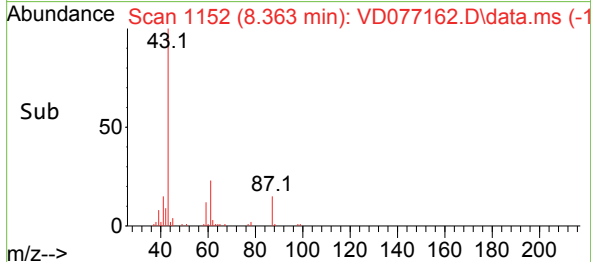
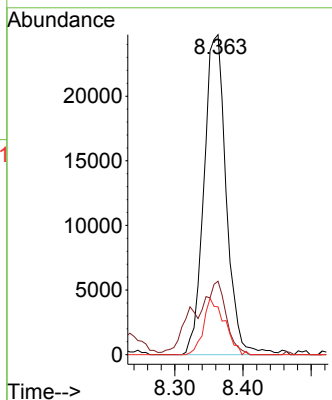
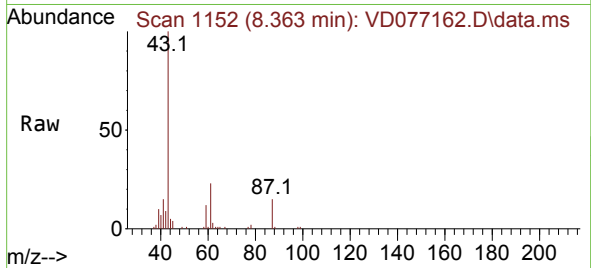




#43
Isopropyl Acetate
Concen: 22.293 ug/l
RT: 8.363 min Scan# 1151
Delta R.T. 0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

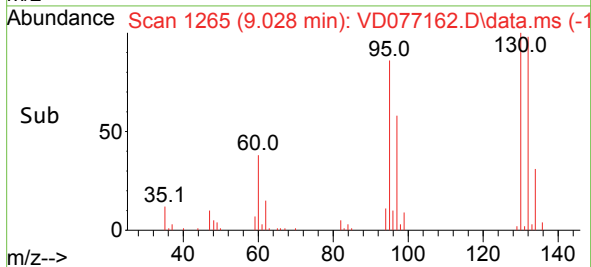
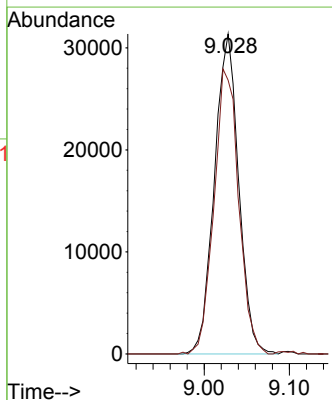
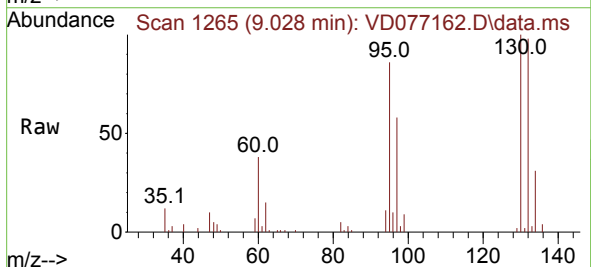
Instrument :
MSVOA_D
ClientSampleId :

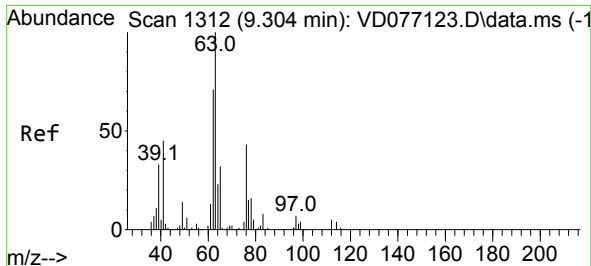
Tgt Ion: 43 Resp: 56177
Ion Ratio Lower Upper
43 100
61 22.0 31.4 47.0#
87 16.7 14.9 22.3



#44
Trichloroethene
Concen: 20.325 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion:130 Resp: 62088
Ion Ratio Lower Upper
130 100
95 85.5 0.0 179.2





#45

1,2-Dichloropropane

Concen: 20.305 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

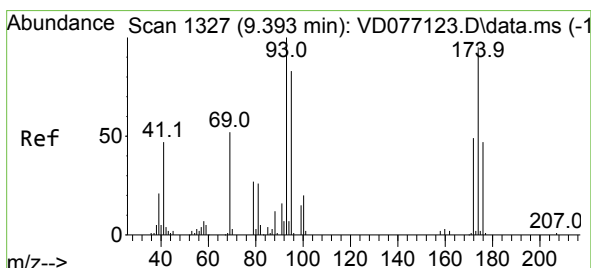
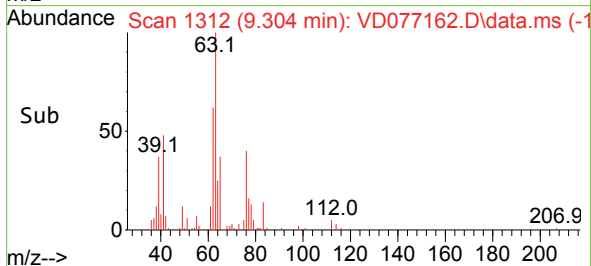
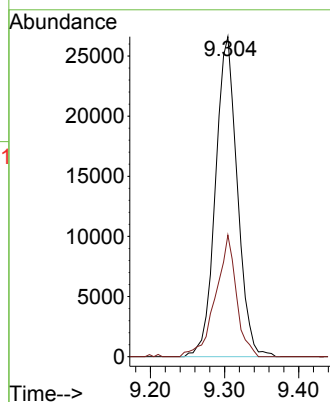
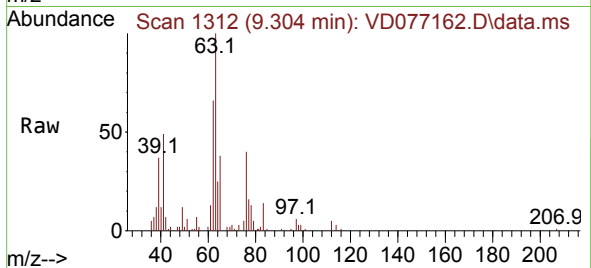
ClientSampleId :

Tgt Ion: 63 Resp: 54433

Ion Ratio Lower Upper

63 100

65 38.0 24.5 36.7#



#46

Dibromomethane

Concen: 21.789 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

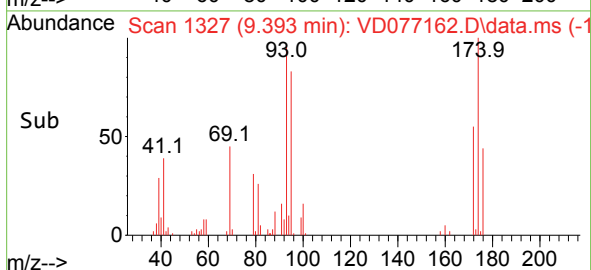
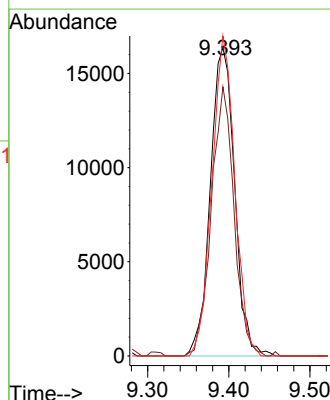
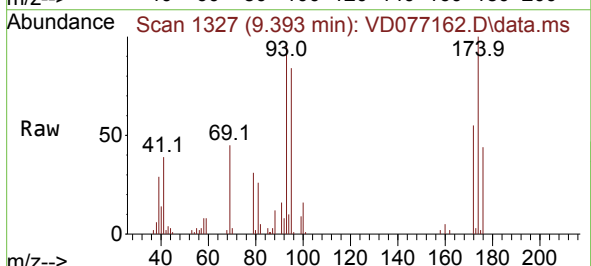
Tgt Ion: 93 Resp: 33942

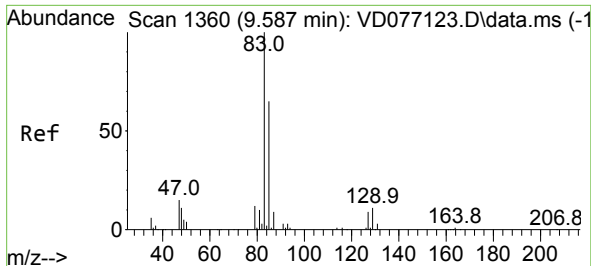
Ion Ratio Lower Upper

93 100

95 81.9 67.7 101.5

174 97.8 85.4 128.2

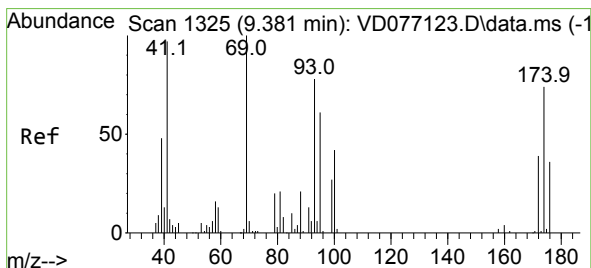
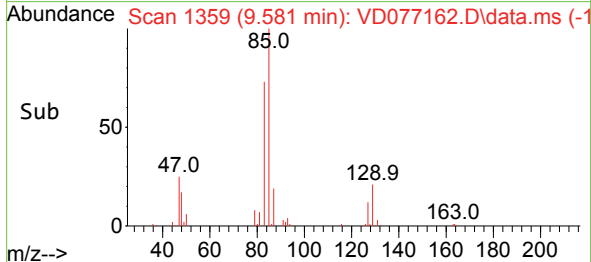
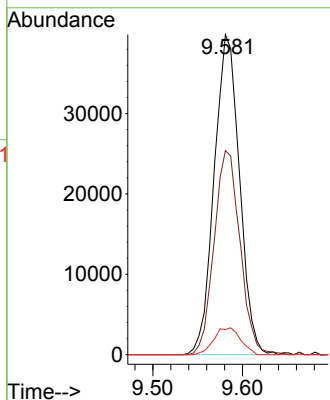
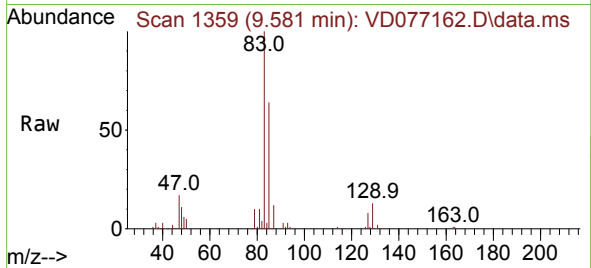




#47
 Bromodichloromethane
 Concen: 20.737 ug/l
 RT: 9.581 min Scan# 1359
 Delta R.T. -0.006 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

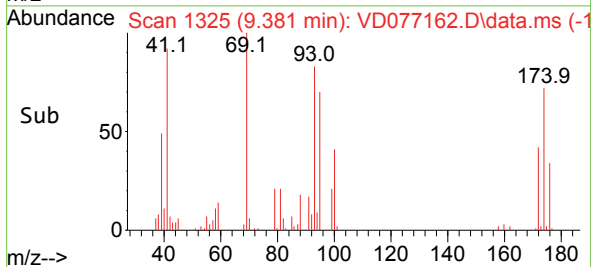
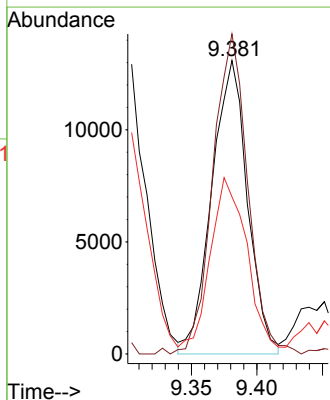
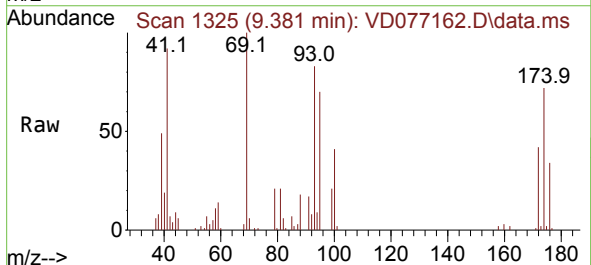
Instrument :
 MSVOA_D
 ClientSampleId :

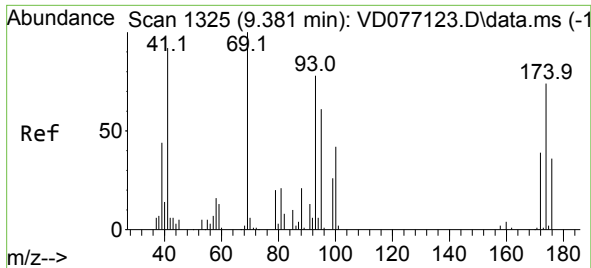
Tgt Ion: 83 Resp: 78062
 Ion Ratio Lower Upper
 83 100
 85 63.8 50.2 75.4
 127 7.9 6.3 9.5



#48
 Methyl methacrylate
 Concen: 21.618 ug/l
 RT: 9.381 min Scan# 1325
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Tgt Ion: 41 Resp: 24754
 Ion Ratio Lower Upper
 41 100
 69 106.5 102.2 153.2
 39 60.5 41.4 62.2





#49

1,4-Dioxane

Concen: 425.354 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.006 min

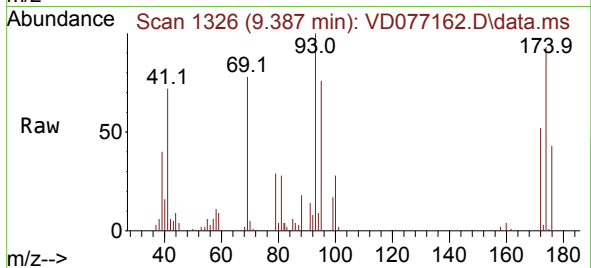
Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :



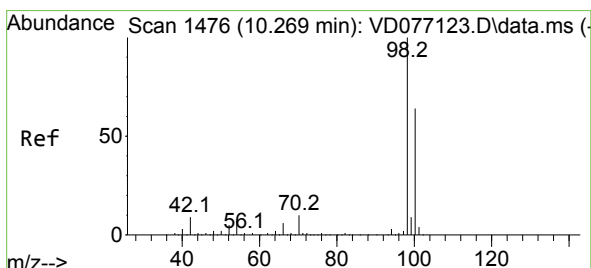
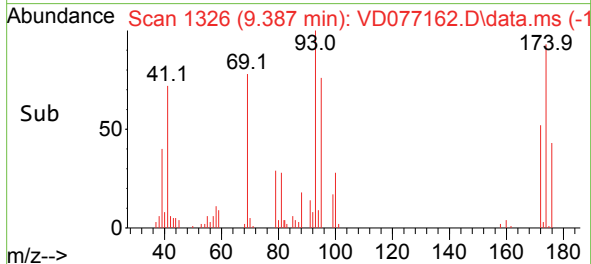
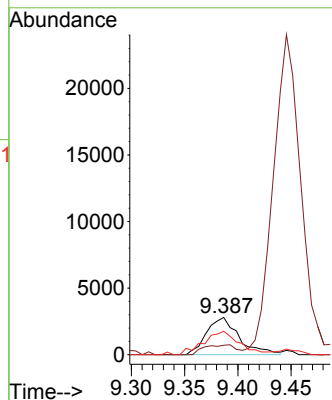
Tgt Ion: 88 Resp: 5981

Ion Ratio Lower Upper

88 100

43 26.4 19.0 28.6

58 69.4 43.5 65.3#



#50

Toluene-d8

Concen: 51.817 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077162.D

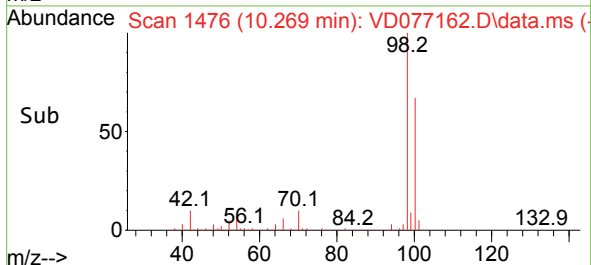
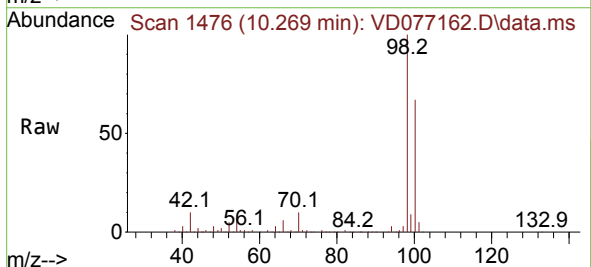
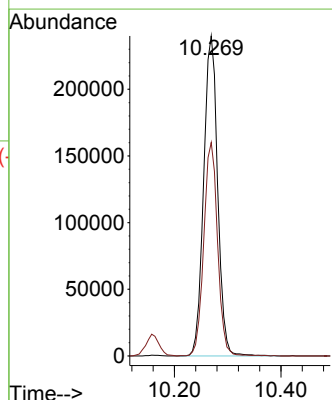
Acq: 20 Sep 2023 11:39

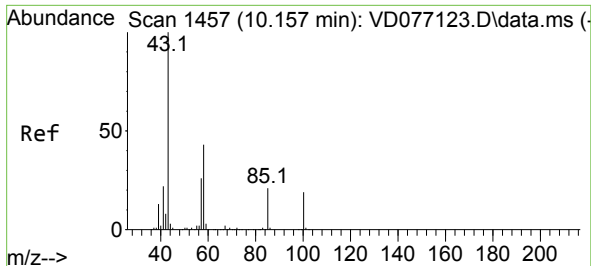
Tgt Ion: 98 Resp: 436880

Ion Ratio Lower Upper

98 100

100 65.7 50.3 75.5

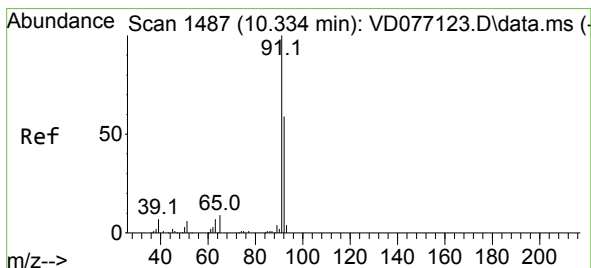
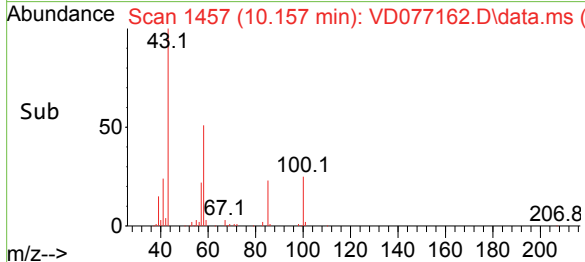
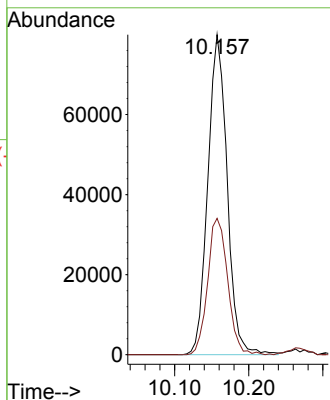
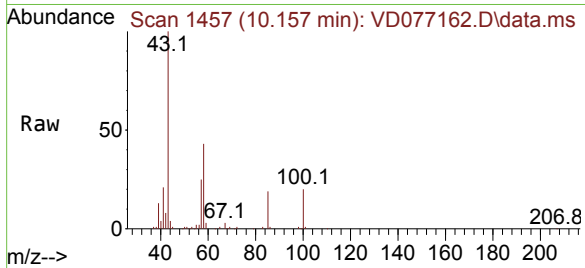




#51
4-Methyl-2-Pentanone
Concen: 109.821 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

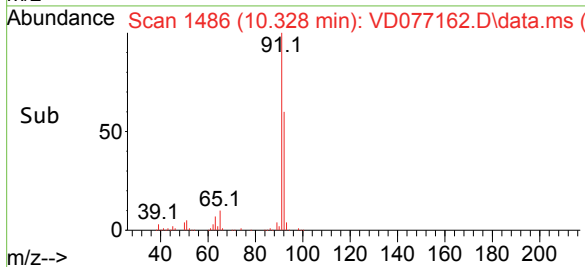
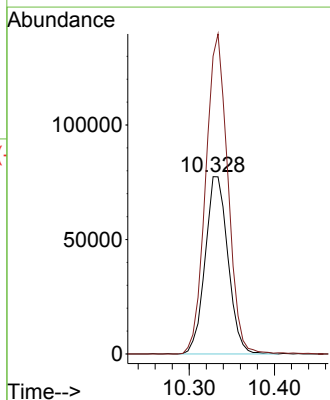
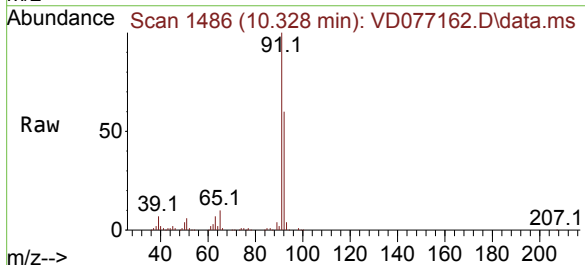
Instrument :
MSVOA_D
ClientSampleId :

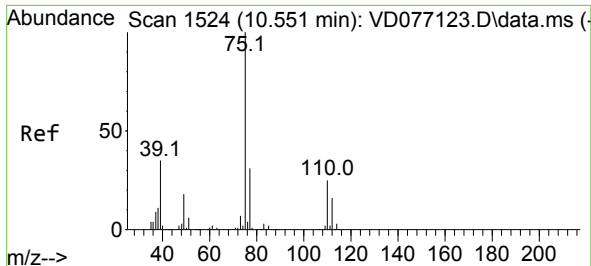
Tgt Ion: 43 Resp: 144734
Ion Ratio Lower Upper
43 100
58 44.2 38.9 58.3



#52
Toluene
Concen: 20.439 ug/l
RT: 10.328 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 92 Resp: 144313
Ion Ratio Lower Upper
92 100
91 175.6 143.0 214.4

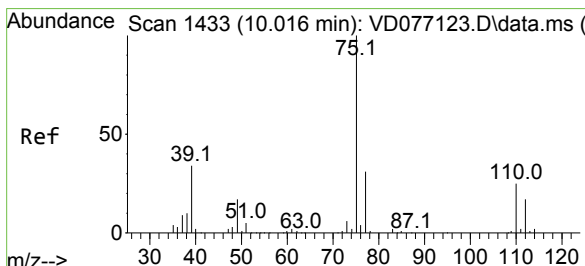
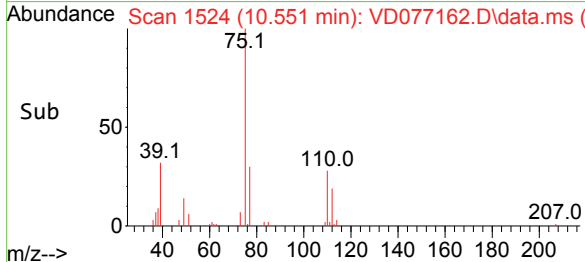
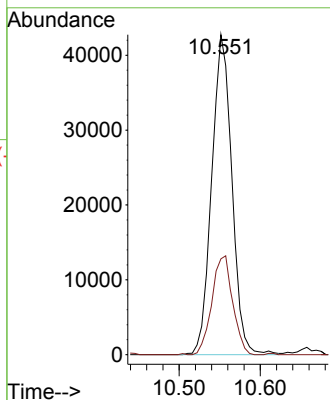
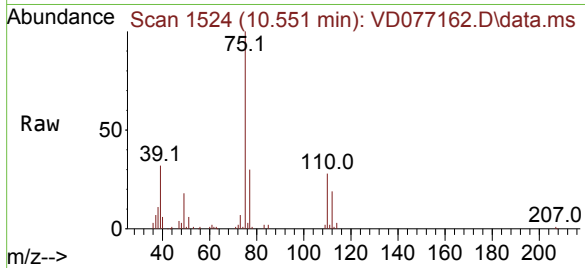




#53
 t-1,3-Dichloropropene
 Concen: 21.012 ug/l
 RT: 10.551 min Scan# 1524
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

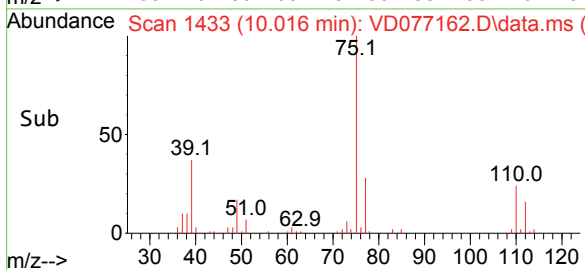
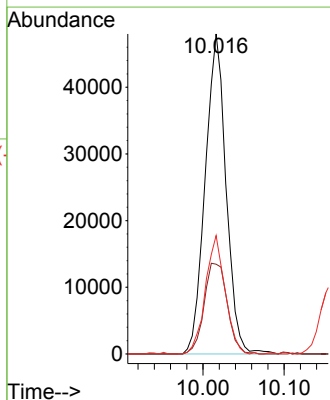
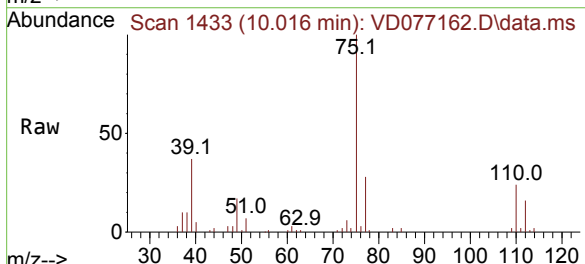
Instrument :
 MSVOA_D
 ClientSampleId :

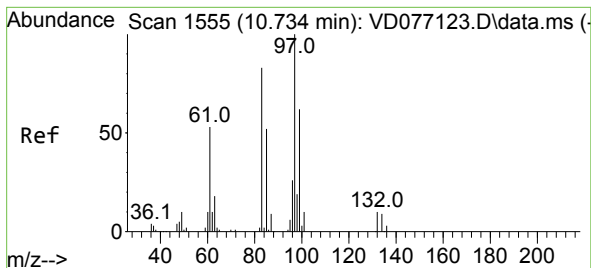
Tgt Ion: 75 Resp: 73898
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 20.340 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Tgt Ion: 75 Resp: 85706
 Ion Ratio Lower Upper
 75 100
 77 28.0 25.5 38.3
 39 37.0 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 21.407 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 45357

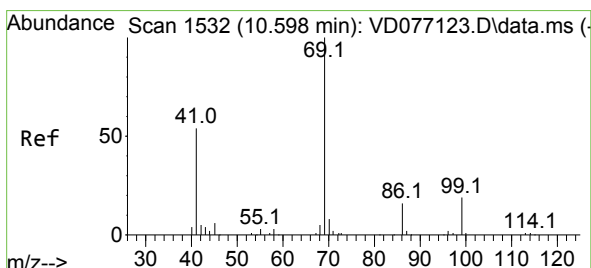
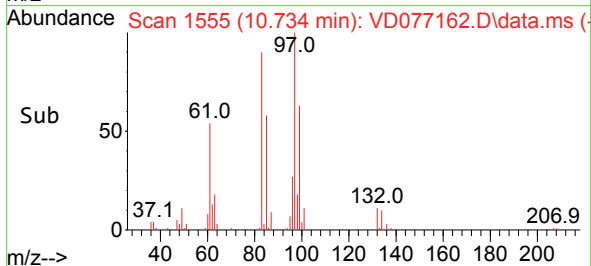
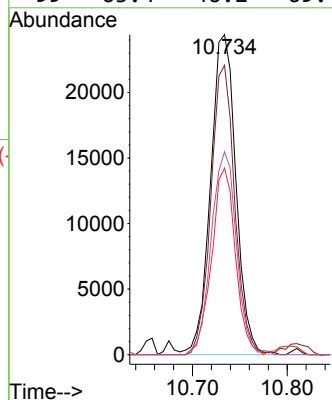
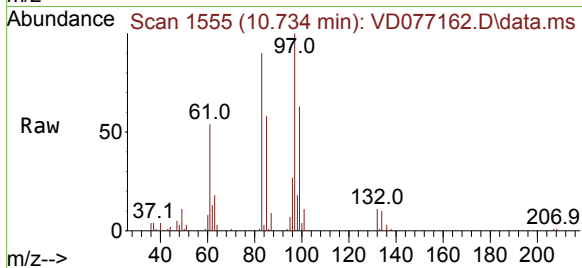
Ion Ratio Lower Upper

97 100

83 90.5 65.8 98.6

85 58.3 45.7 68.5

99 63.4 46.2 69.4



#56

Ethyl methacrylate

Concen: 20.873 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

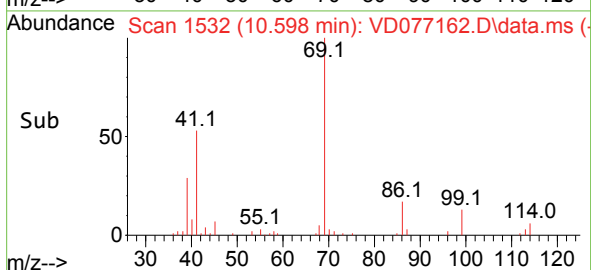
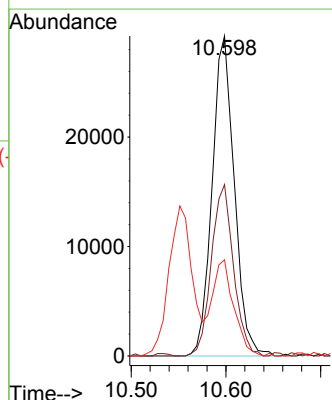
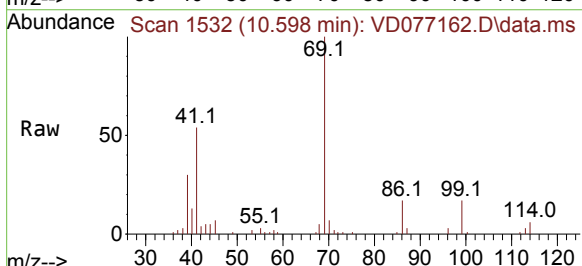
Tgt Ion: 69 Resp: 47512

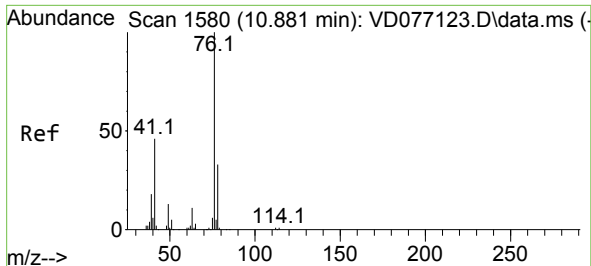
Ion Ratio Lower Upper

69 100

41 53.6 39.1 58.7

39 29.8 20.0 30.0





#57

1,3-Dichloropropane

Concen: 21.009 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

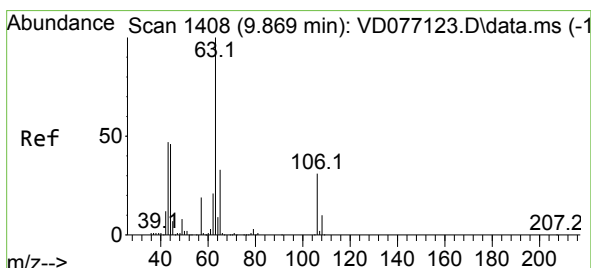
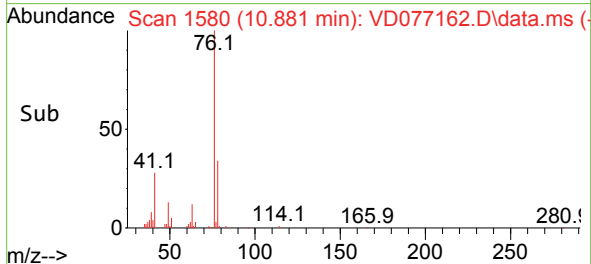
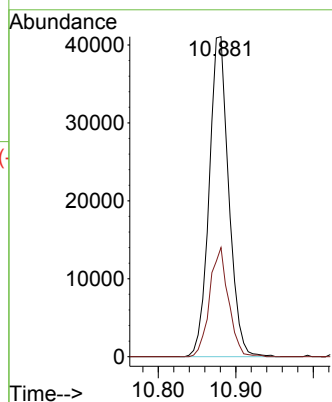
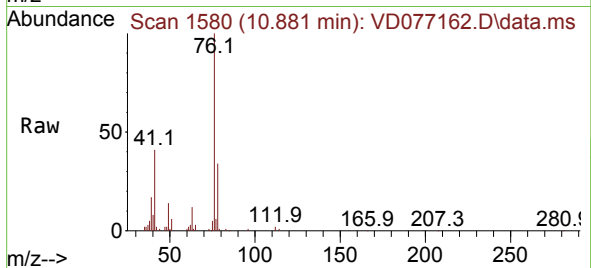
ClientSampleId :

Tgt Ion: 76 Resp: 72059

Ion Ratio Lower Upper

76 100

78 32.8 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 81.439 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD077162.D

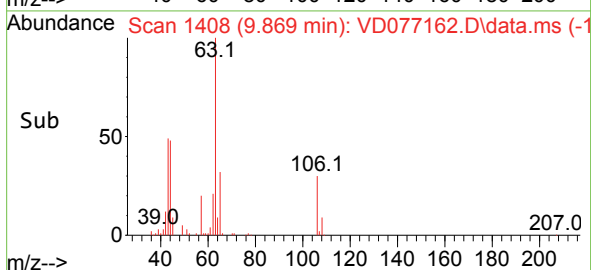
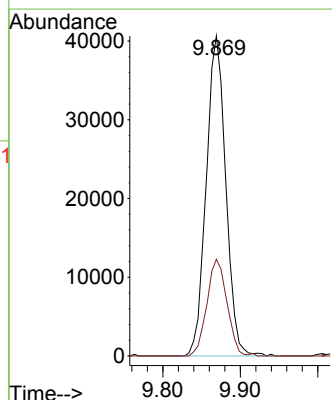
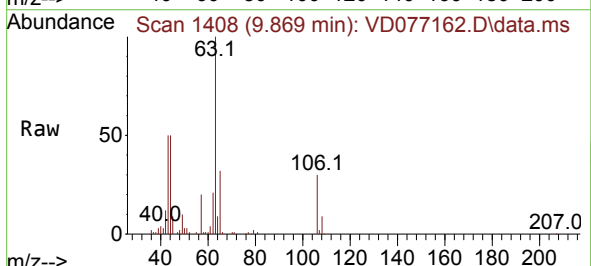
Acq: 20 Sep 2023 11:39

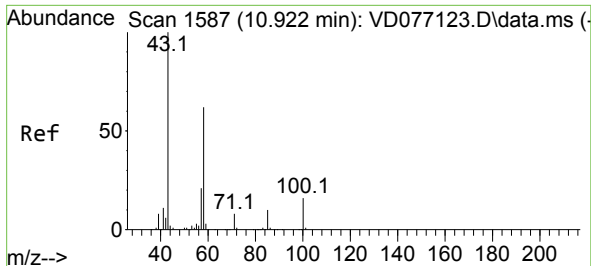
Tgt Ion: 63 Resp: 71228

Ion Ratio Lower Upper

63 100

106 31.0 25.3 37.9

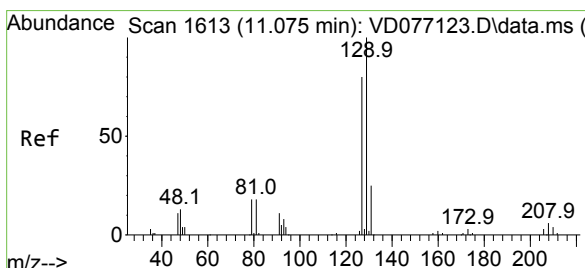
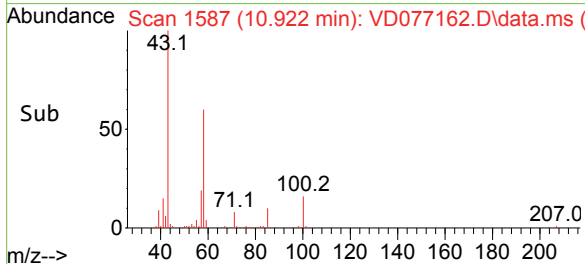
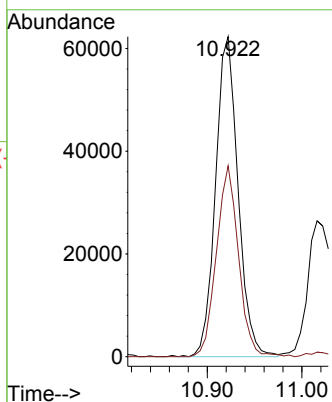
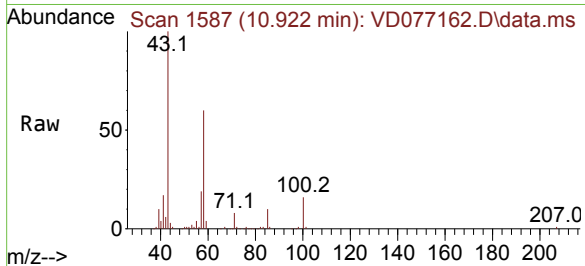




#59
2-Hexanone
Concen: 108.853 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

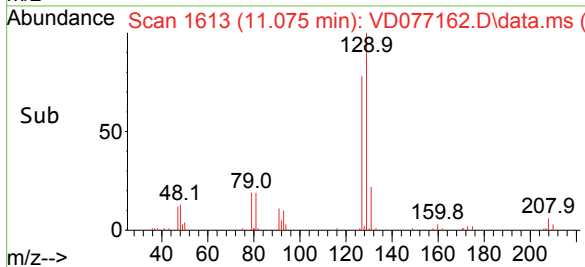
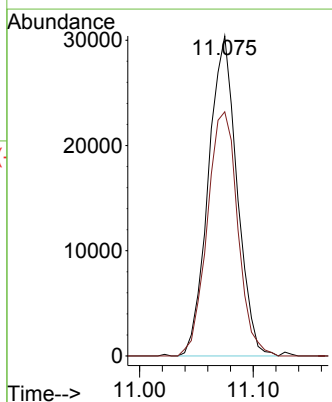
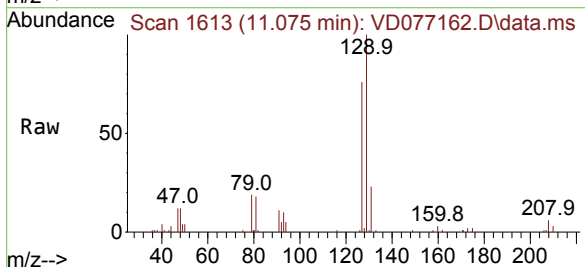
Instrument :
MSVOA_D
ClientSampleId :

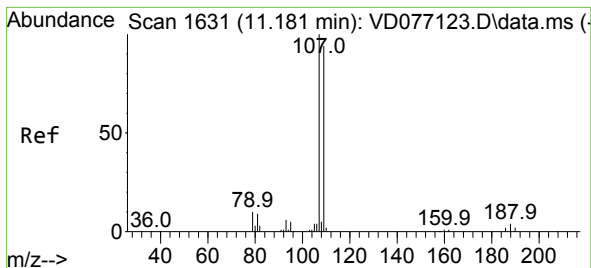
Tgt Ion: 43 Resp: 102931
Ion Ratio Lower Upper
43 100
58 58.7 34.1 102.2



#60
Dibromochloromethane
Concen: 20.540 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion:129 Resp: 53302
Ion Ratio Lower Upper
129 100
127 81.1 37.1 111.5





#61

1,2-Dibromoethane

Concen: 21.628 ug/l

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

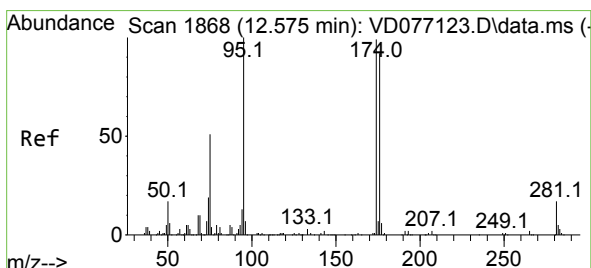
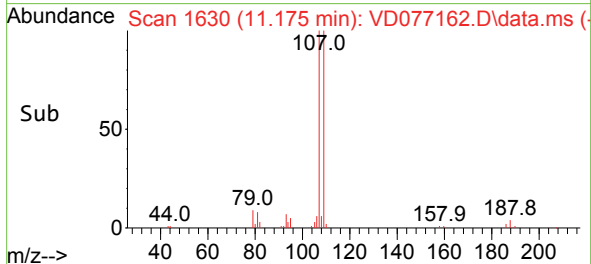
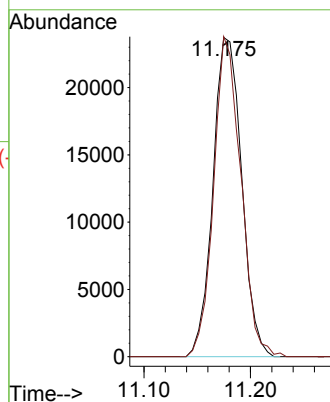
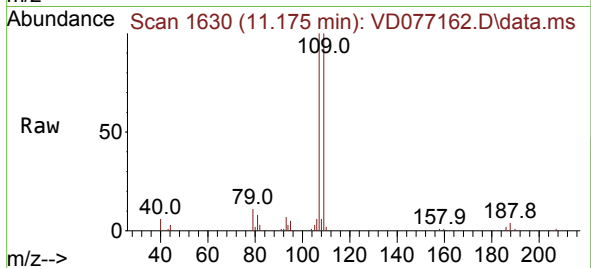
ClientSampleId :

Tgt Ion:107 Resp: 44300

Ion Ratio Lower Upper

107 100

109 95.0 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 49.643 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

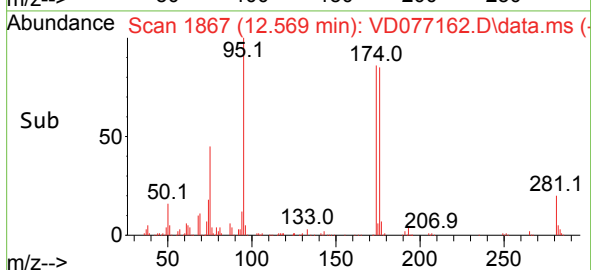
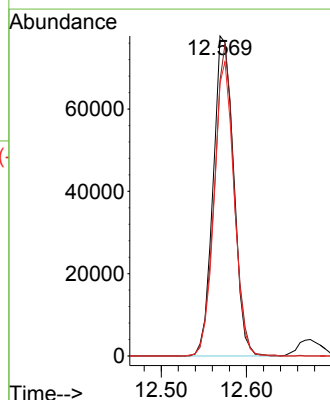
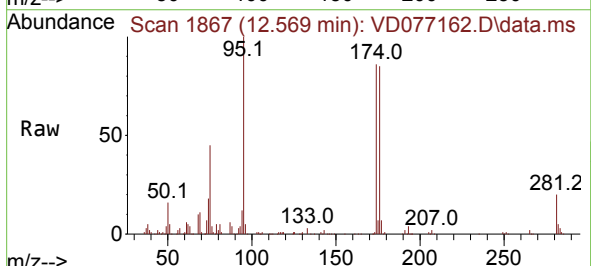
Tgt Ion: 95 Resp: 129729

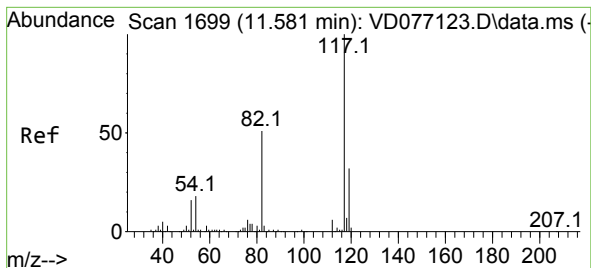
Ion Ratio Lower Upper

95 100

174 93.7 0.0 201.8

176 89.5 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

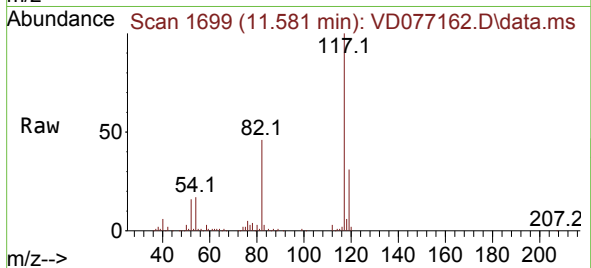
Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :



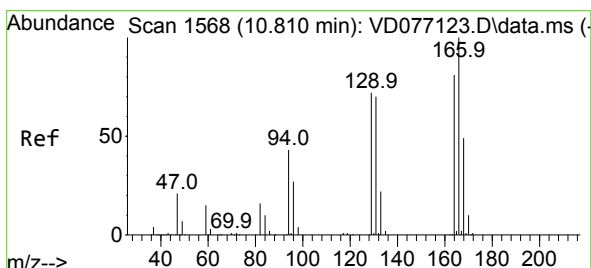
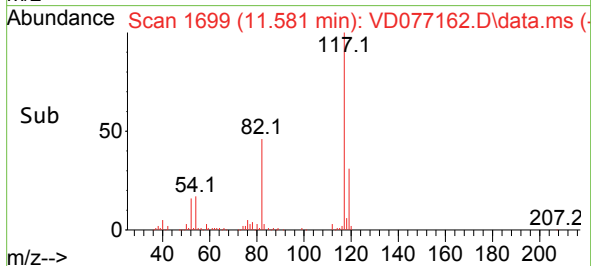
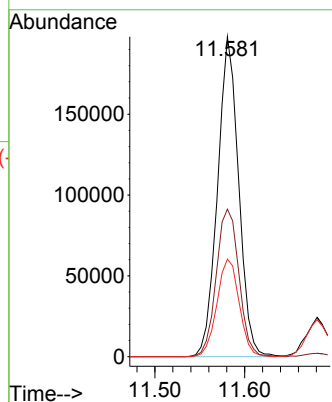
Tgt Ion:117 Resp: 323630

Ion Ratio Lower Upper

117 100

82 46.1 38.3 57.5

119 30.5 25.0 37.4



#64

Tetrachloroethene

Concen: 20.683 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Tgt Ion:164 Resp: 52080

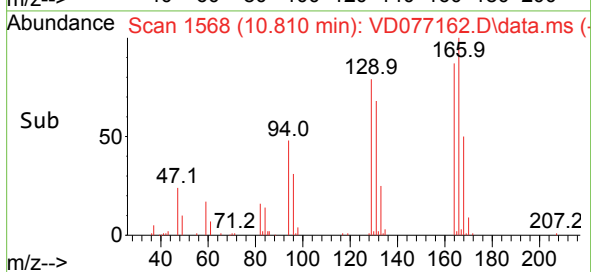
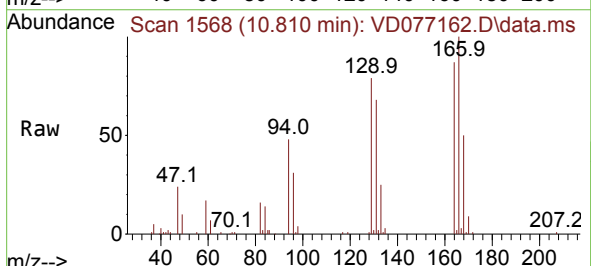
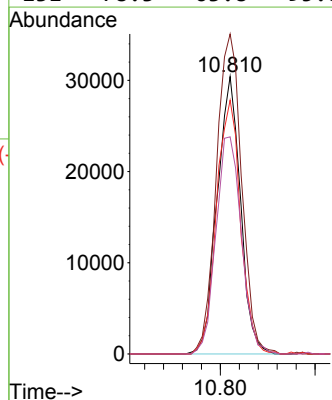
Ion Ratio Lower Upper

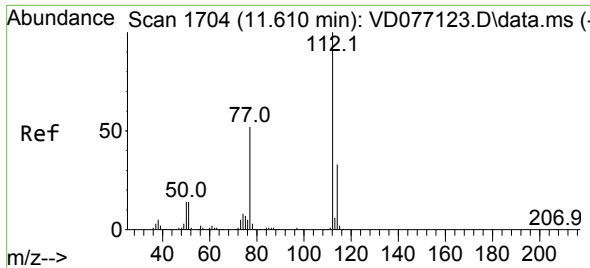
164 100

166 115.3 99.2 148.8

129 91.4 68.4 102.6

131 78.3 63.8 95.8

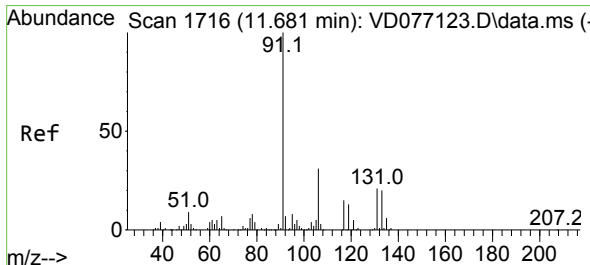
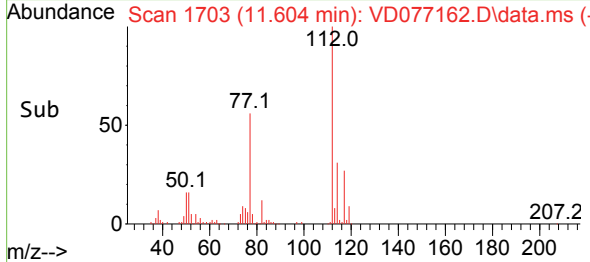
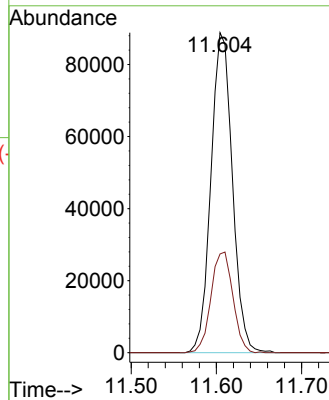
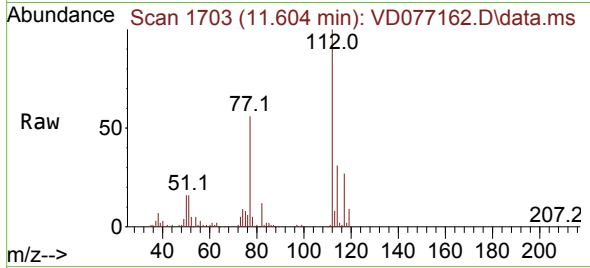




#65
Chlorobenzene
Concen: 20.402 ug/l
RT: 11.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

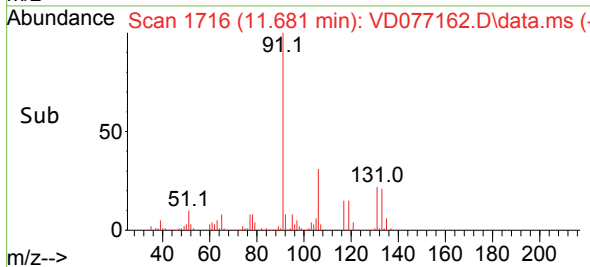
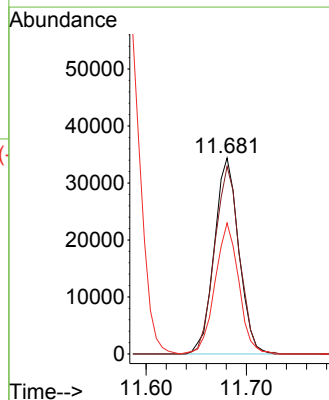
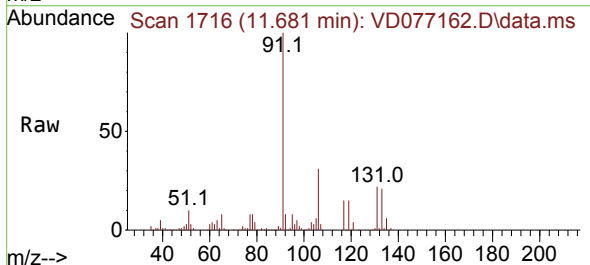
Instrument :
MSVOA_D
ClientSampleId :

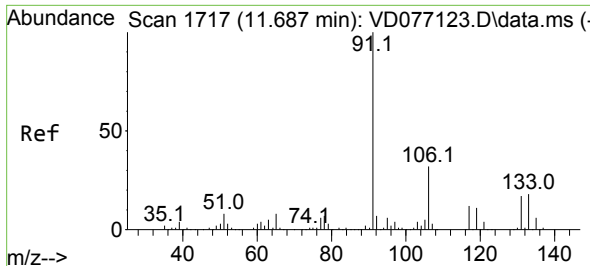
Tgt Ion:112 Resp: 155320
Ion Ratio Lower Upper
112 100
114 30.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.965 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion:131 Resp: 58392
Ion Ratio Lower Upper
131 100
133 96.9 48.5 145.5
119 64.9 35.6 106.9





#67

Ethyl Benzene

Concen: 19.944 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

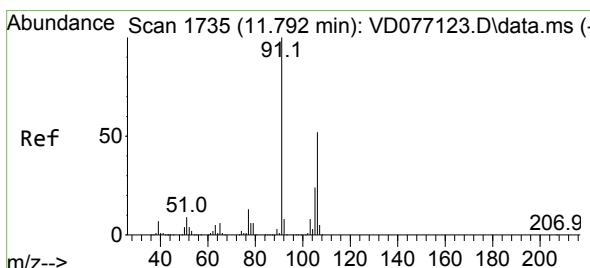
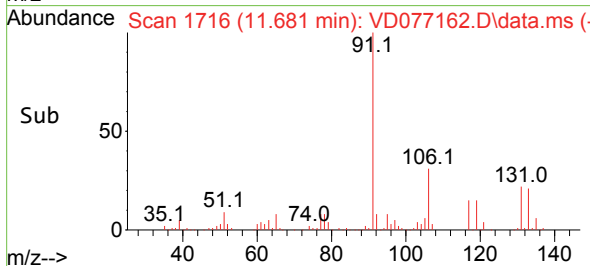
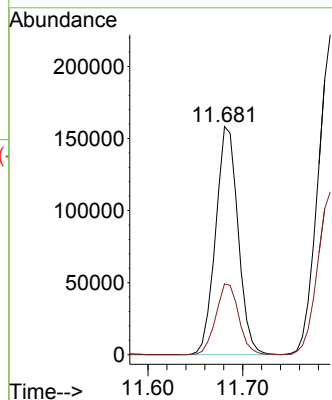
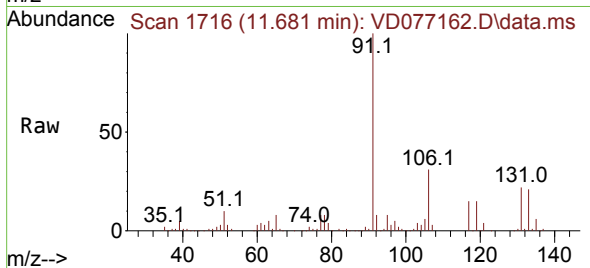
ClientSampleId :

Tgt Ion: 91 Resp: 260988

Ion Ratio Lower Upper

91 100

106 31.0 26.5 39.7



#68

m/p-Xylenes

Concen: 40.244 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD077162.D

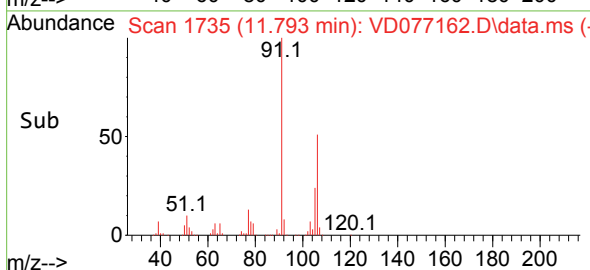
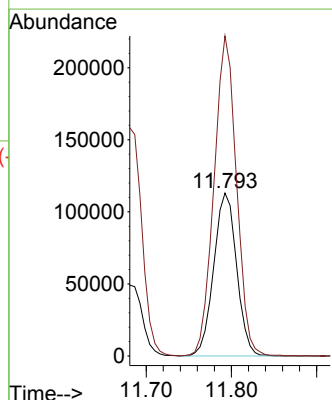
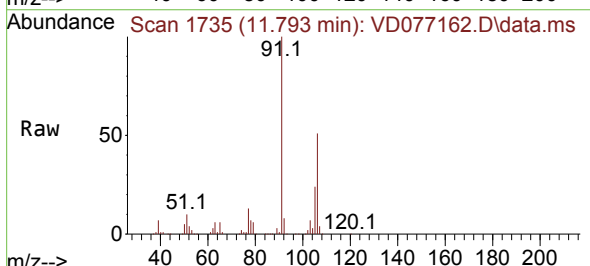
Acq: 20 Sep 2023 11:39

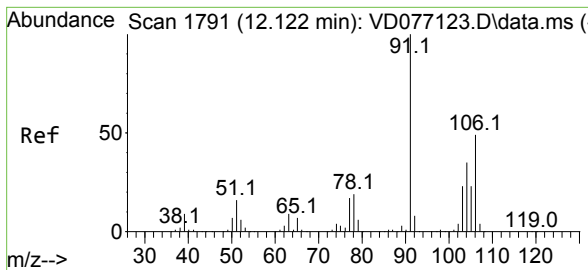
Tgt Ion:106 Resp: 210861

Ion Ratio Lower Upper

106 100

91 193.2 147.0 220.6

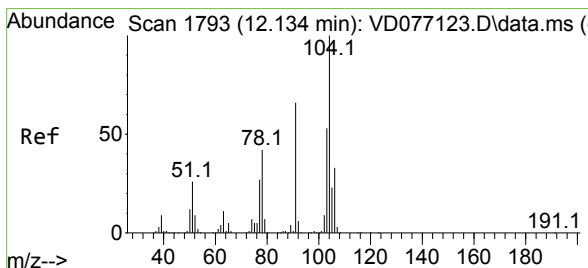
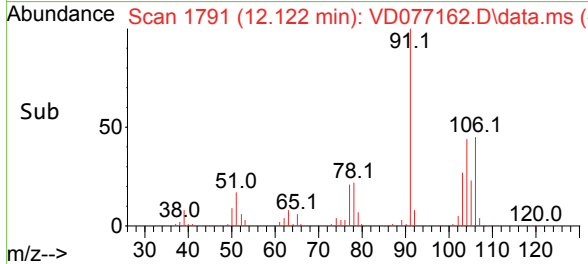
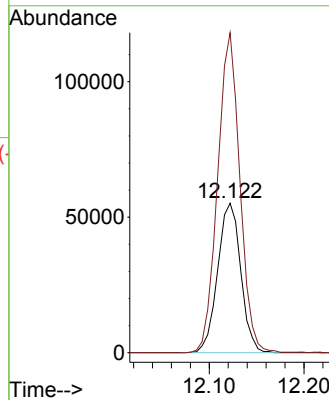
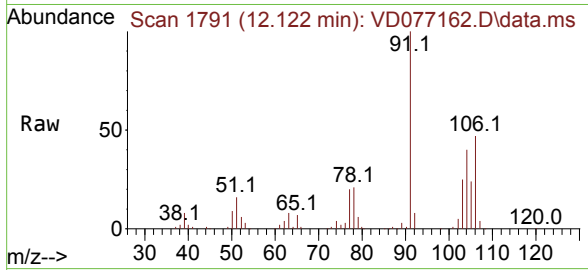




#69
o-Xylene
Concen: 19.419 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

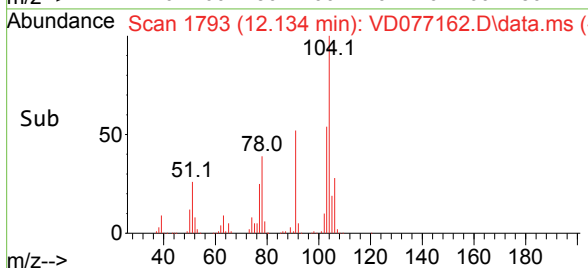
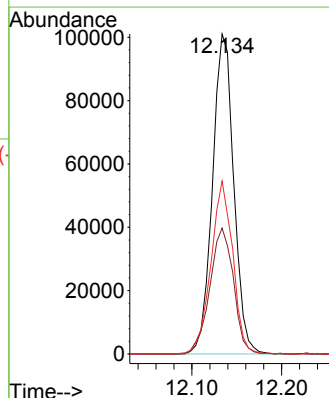
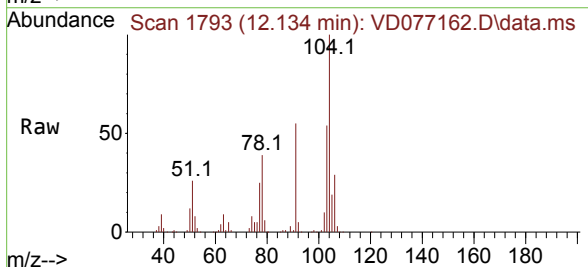
Instrument :
MSVOA_D
ClientSampleId :

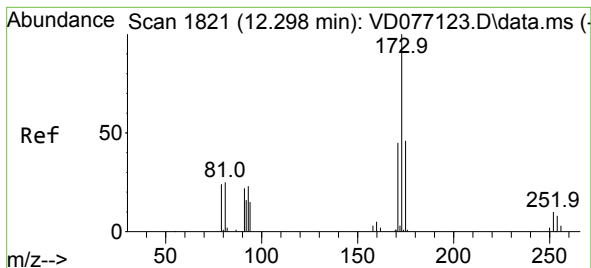
Tgt Ion:106 Resp: 93386
Ion Ratio Lower Upper
106 100
91 206.6 97.9 293.6



#70
Styrene
Concen: 20.304 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion:104 Resp: 166352
Ion Ratio Lower Upper
104 100
78 43.8 33.2 49.8
103 55.5 43.6 65.4





#71

Bromoform

Concen: 21.579 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD077162.D

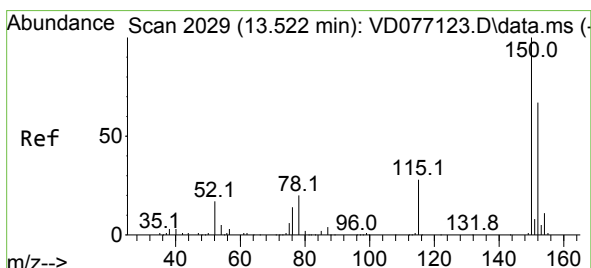
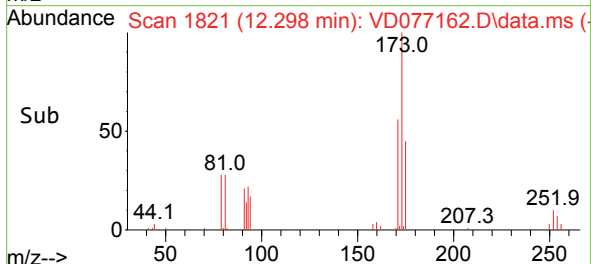
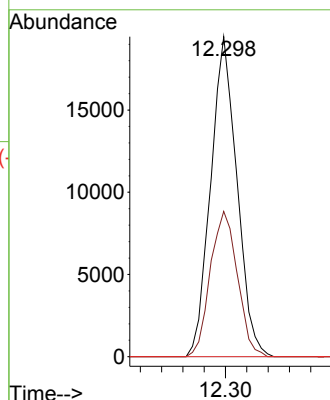
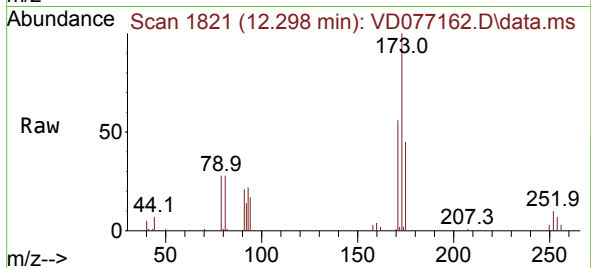
Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:173	Resp:	33316
Ion Ratio	Lower	Upper
173	100	
175	46.8	24.6 73.8
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

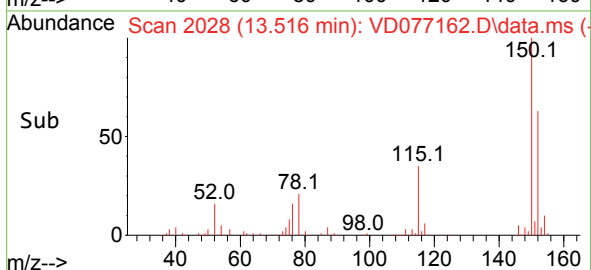
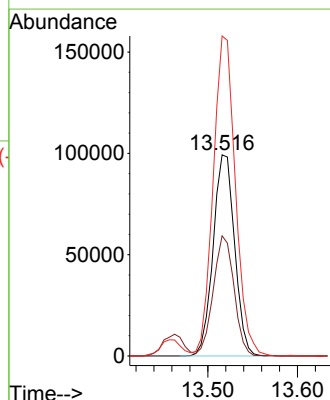
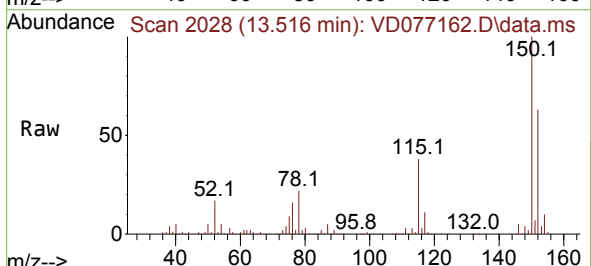
RT: 13.516 min Scan# 2028

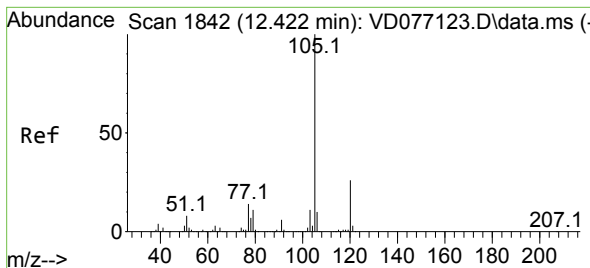
Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Tgt Ion:152	Resp:	164987
Ion Ratio	Lower	Upper
152	100	
115	57.9	27.1 81.3
150	164.9	0.0 353.6





#73

Isopropylbenzene

Concen: 19.903 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

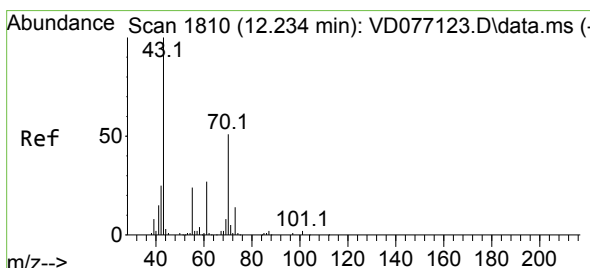
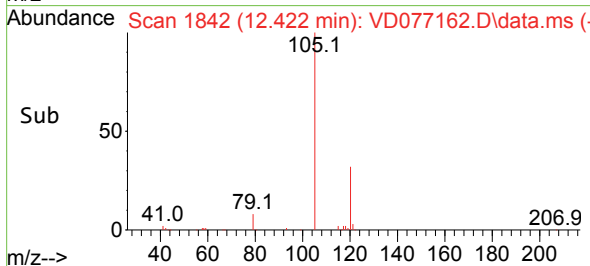
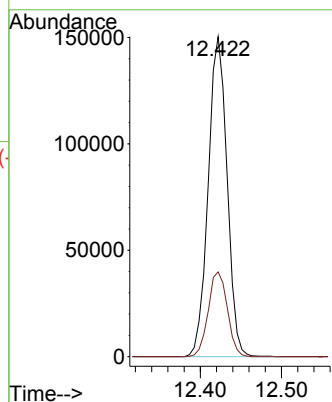
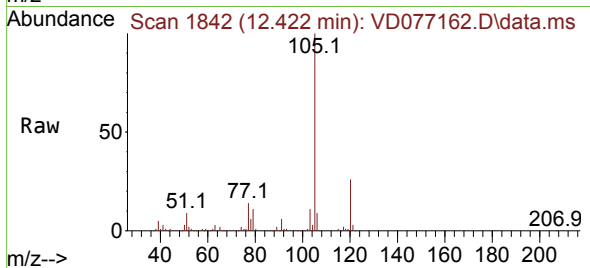
ClientSampleId :

Tgt Ion:105 Resp: 242636

Ion Ratio Lower Upper

105 100

120 26.8 14.3 42.9



#74

N-ethyl acetate

Concen: 20.886 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Tgt Ion: 43 Resp: 47830

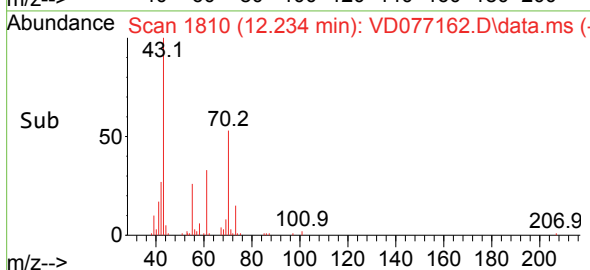
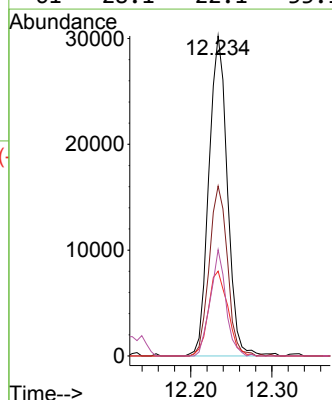
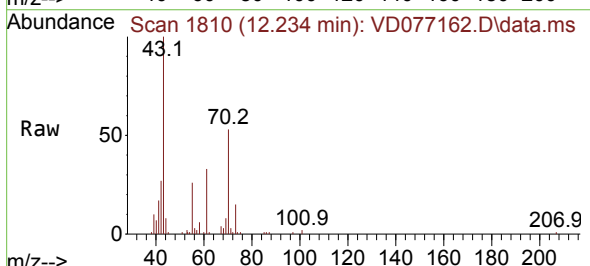
Ion Ratio Lower Upper

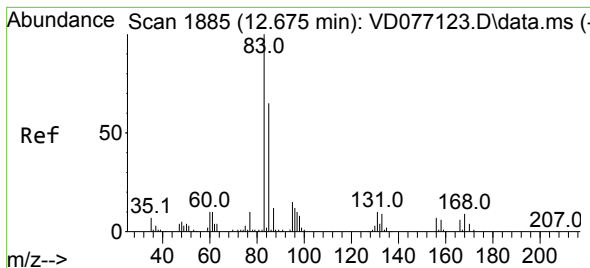
43 100

70 52.4 45.0 67.4

55 27.8 23.8 35.6

61 28.1 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.378 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD077162.D

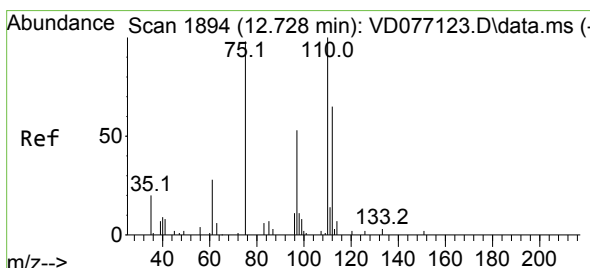
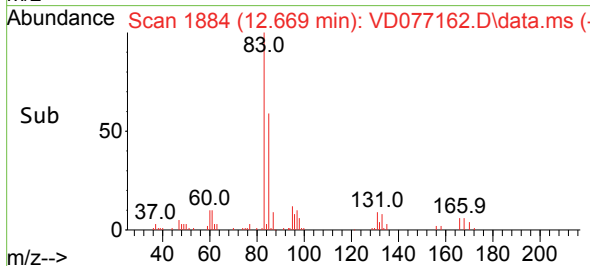
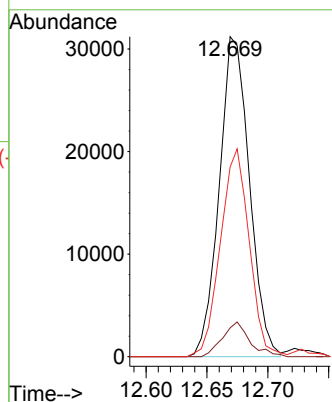
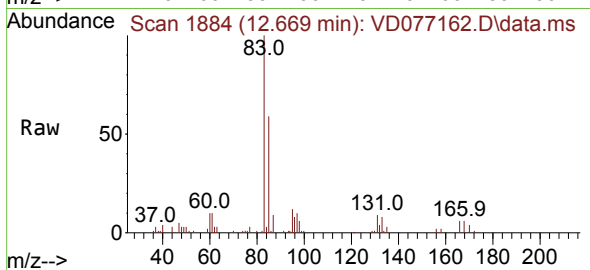
Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	83	Resp:	53783
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	62.1	32.6	97.8



#76

1,2,3-Trichloropropane

Concen: 45.742 ug/l

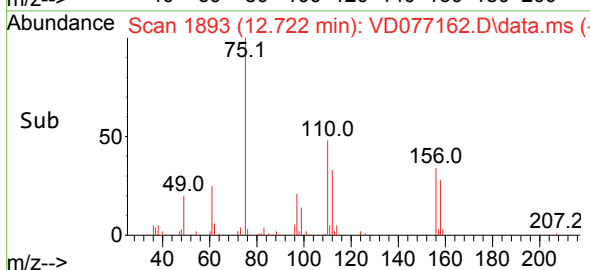
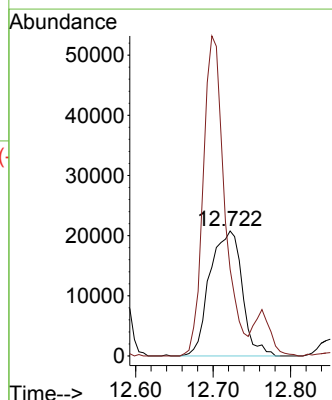
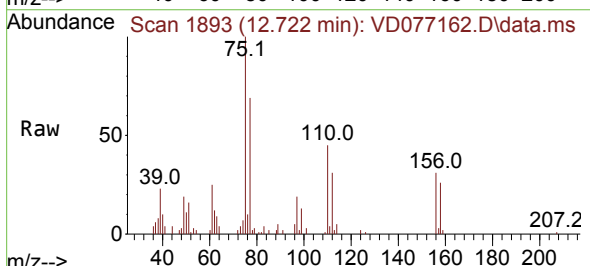
RT: 12.722 min Scan# 1893

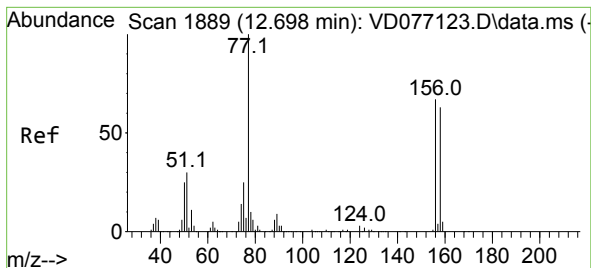
Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Tgt Ion:	75	Resp:	60199
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.529 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD077162.D

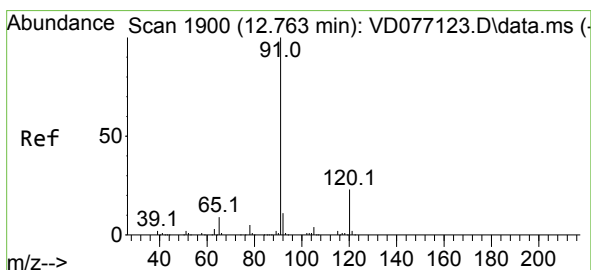
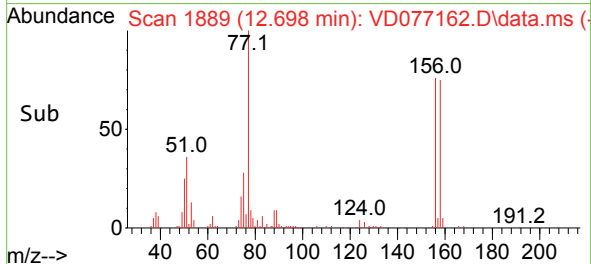
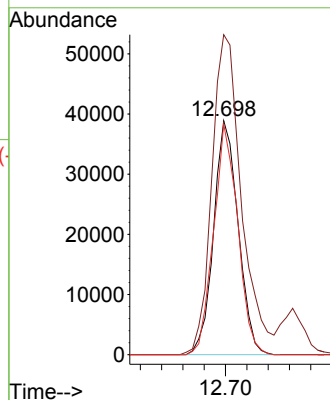
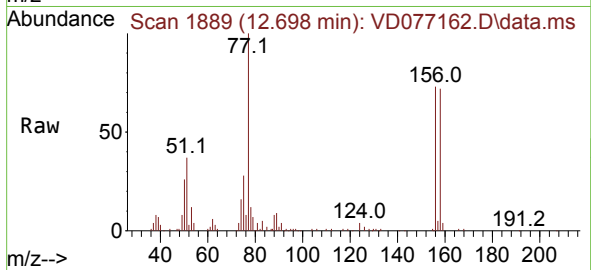
Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	156	Resp:	62315
Ion Ratio	Lower	Upper	
156	100		
77	164.9	76.8	230.4
158	96.8	48.6	145.9



#78

n-propylbenzene

Concen: 20.328 ug/l

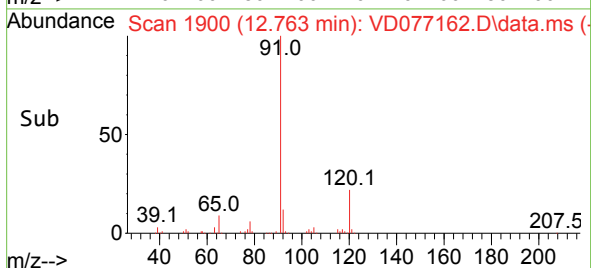
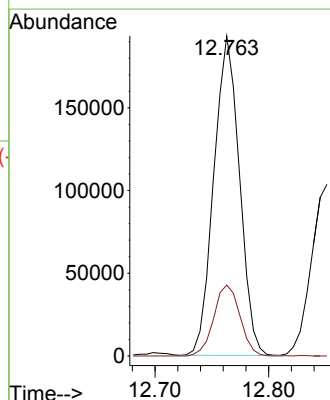
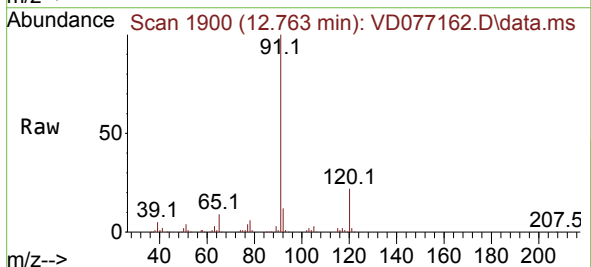
RT: 12.763 min Scan# 1900

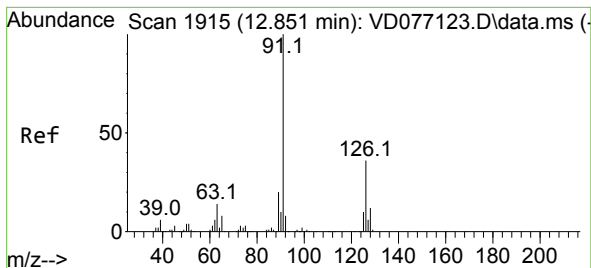
Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Tgt Ion:	91	Resp:	302912
Ion Ratio	Lower	Upper	
91	100		
120	22.6	12.4	37.2





#79

2-Chlorotoluene

Concen: 20.171 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

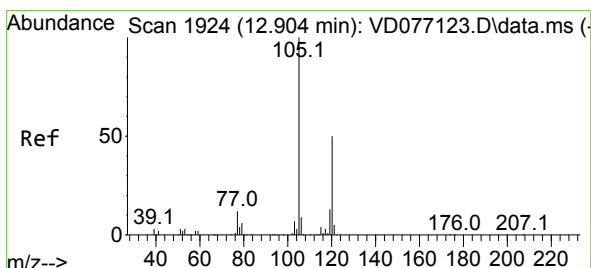
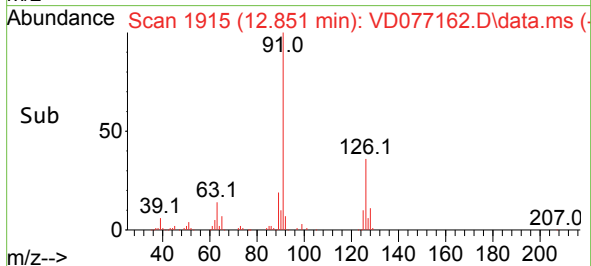
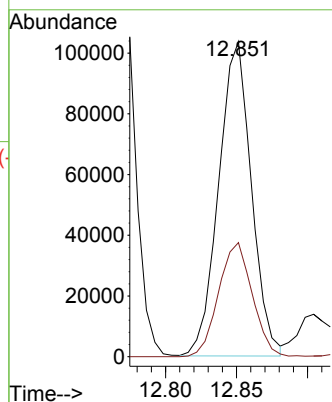
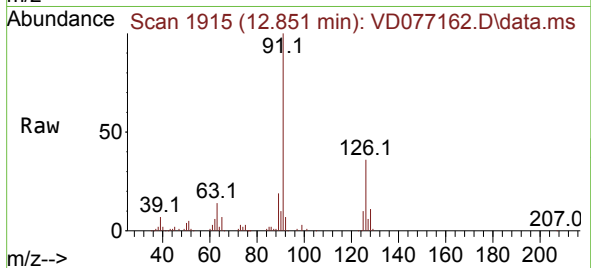
ClientSampleId :

Tgt Ion: 91 Resp: 165752

Ion Ratio Lower Upper

91 100

126 37.4 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 20.183 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD077162.D

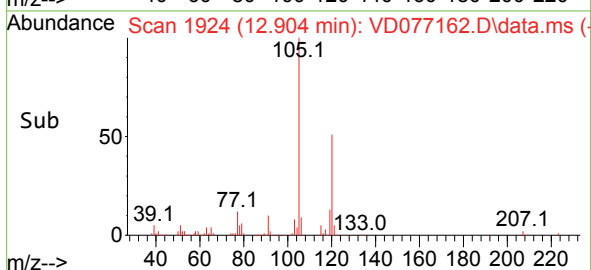
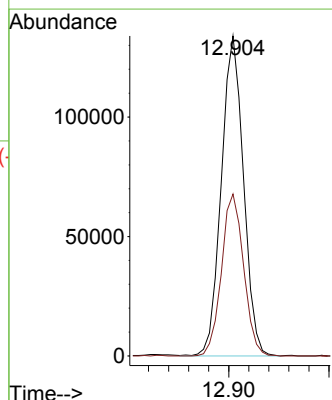
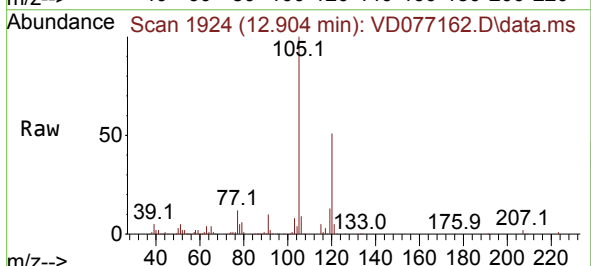
Acq: 20 Sep 2023 11:39

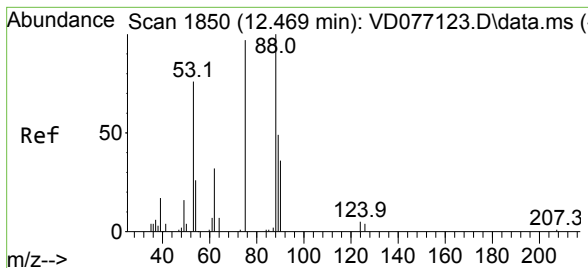
Tgt Ion: 105 Resp: 205487

Ion Ratio Lower Upper

105 100

120 50.5 26.4 79.2

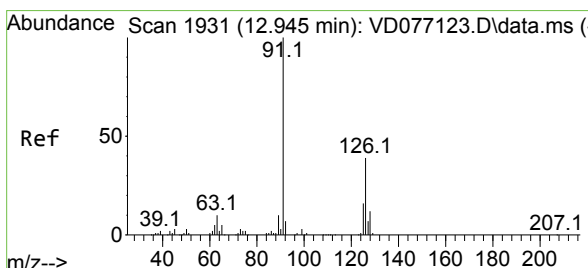
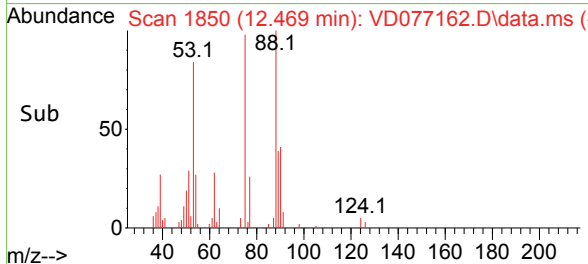
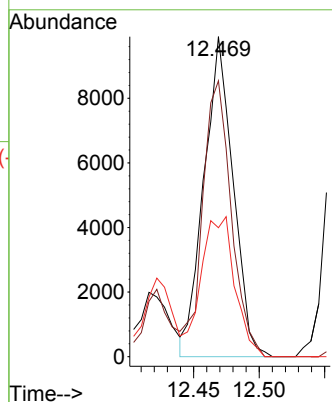
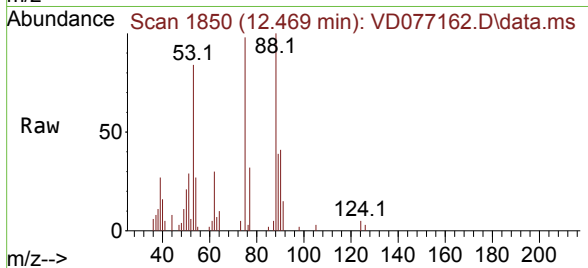




#81
trans-1,4-Dichloro-2-butene
Concen: 22.001 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

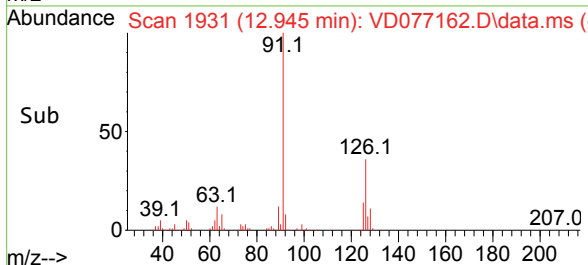
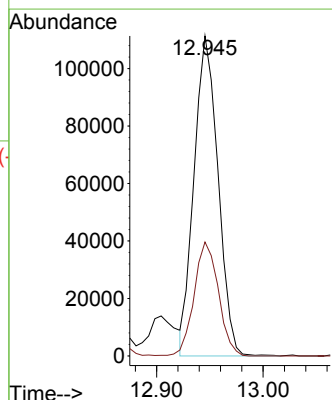
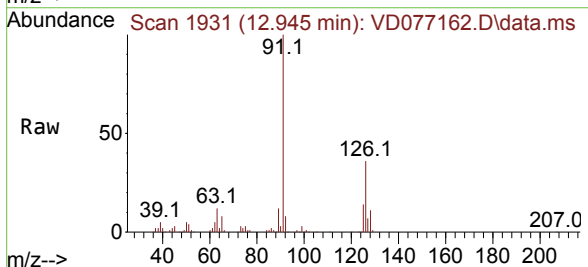
Instrument :
MSVOA_D
ClientSampleId :

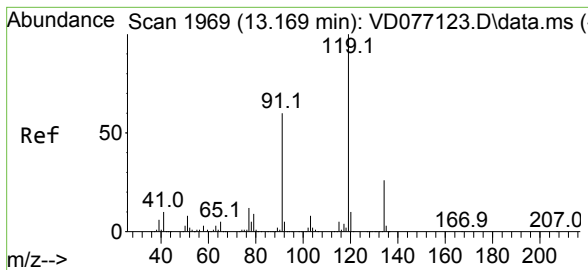
Tgt Ion: 75 Resp: 15297
Ion Ratio Lower Upper
75 100
53 84.9 63.0 94.4
89 50.9 37.9 56.9



#82
4-Chlorotoluene
Concen: 20.156 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 91 Resp: 174077
Ion Ratio Lower Upper
91 100
126 36.2 19.4 58.4

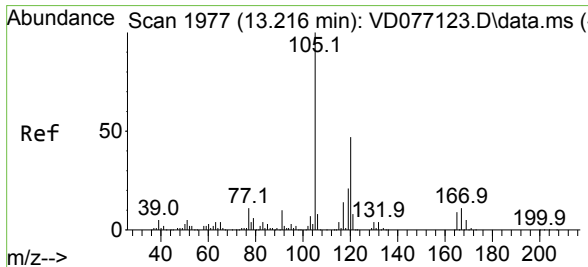
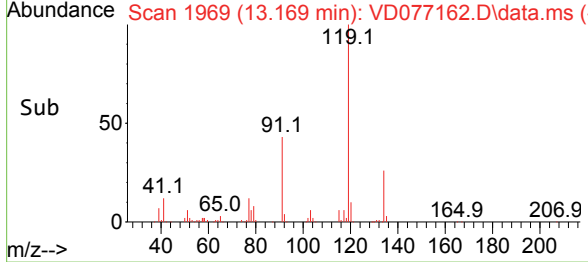
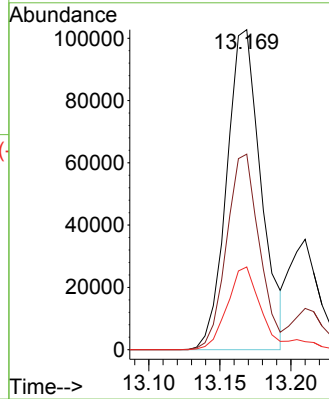
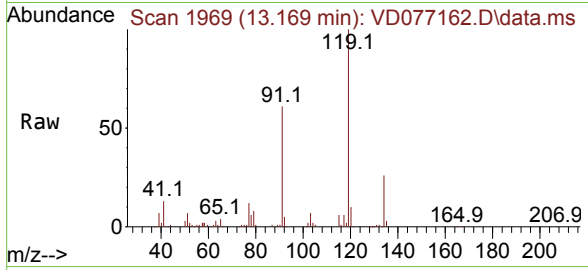




#83
 tert-Butylbenzene
 Concen: 19.868 ug/l
 RT: 13.169 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

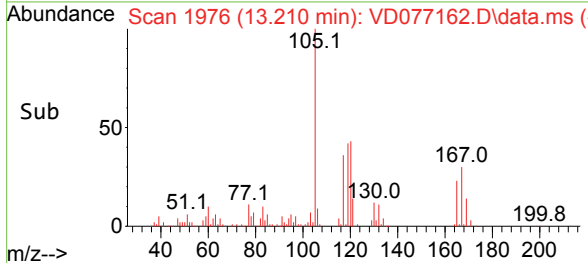
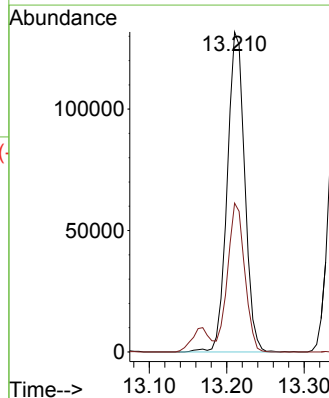
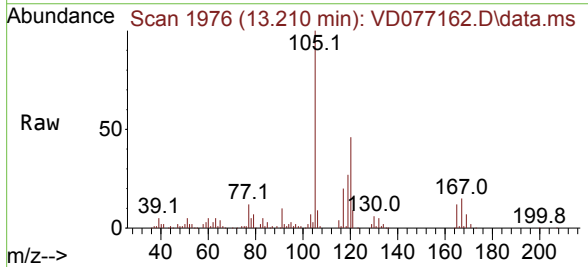
Instrument :
 MSVOA_D
 ClientSampleId :

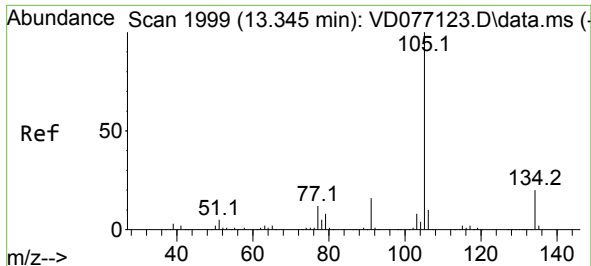
Tgt Ion:119 Resp: 172817
 Ion Ratio Lower Upper
 119 100
 91 58.6 29.3 87.8
 134 25.1 14.1 42.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.068 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Tgt Ion:105 Resp: 207183
 Ion Ratio Lower Upper
 105 100
 120 45.2 24.3 72.9

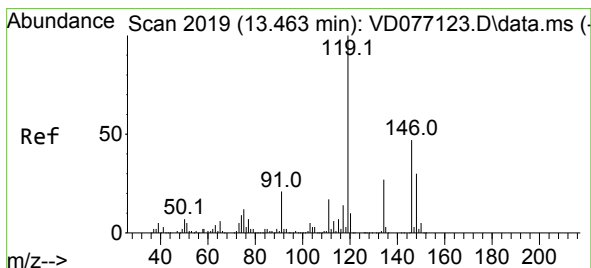
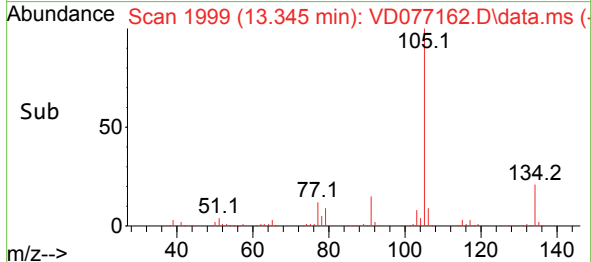
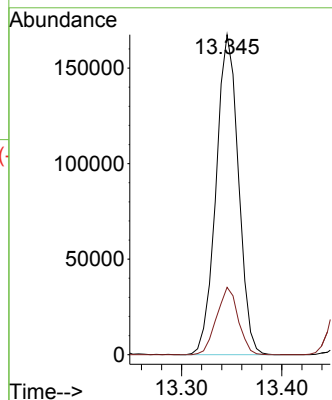
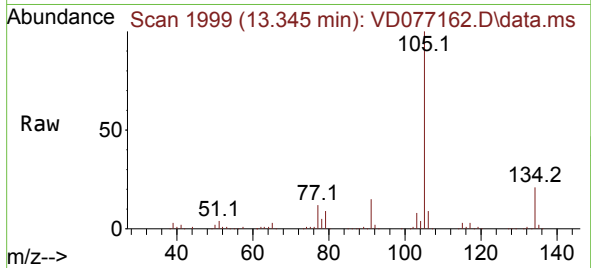




#85
 sec-Butylbenzene
 Concen: 19.875 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

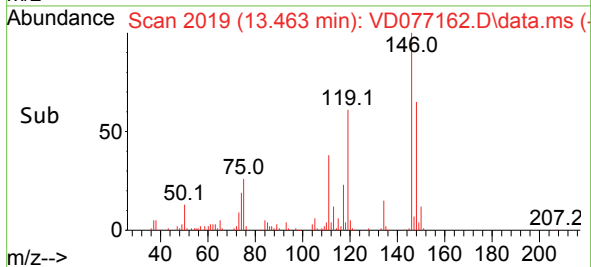
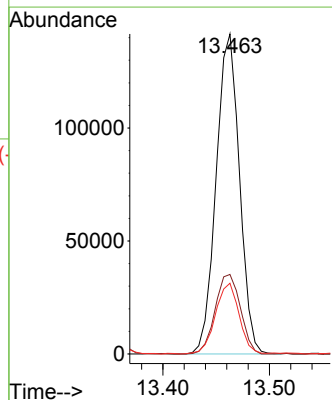
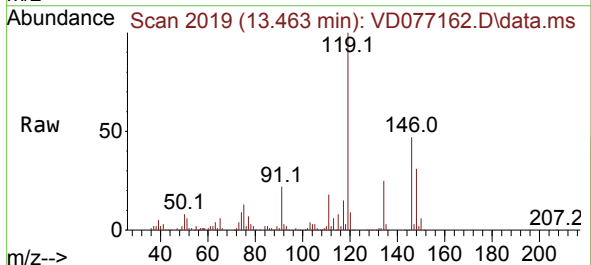
Instrument :
 MSVOA_D
 ClientSampleId :

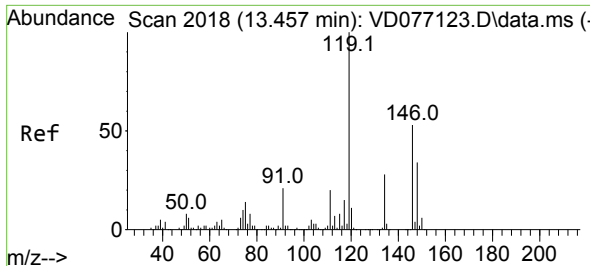
Tgt Ion:105 Resp: 259414
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 19.439 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD077162.D
 Acq: 20 Sep 2023 11:39

Tgt Ion:119 Resp: 215245
 Ion Ratio Lower Upper
 119 100
 134 26.8 14.2 42.6
 91 22.5 10.5 31.5

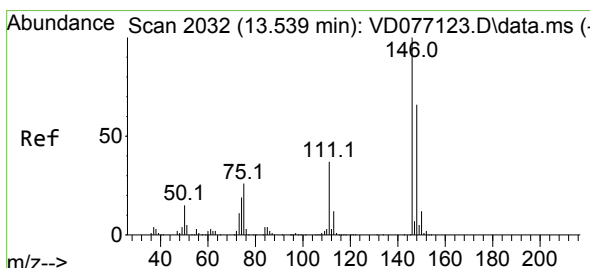
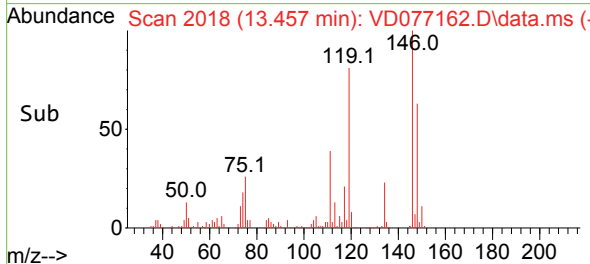
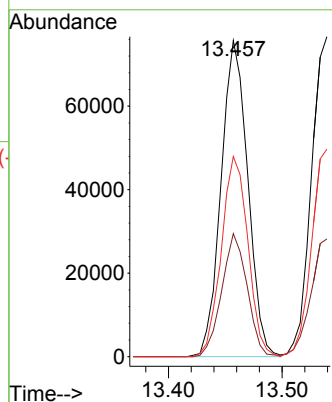
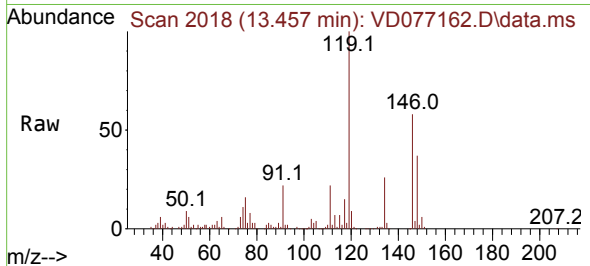




#87
1,3-Dichlorobenzene
Concen: 19.832 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

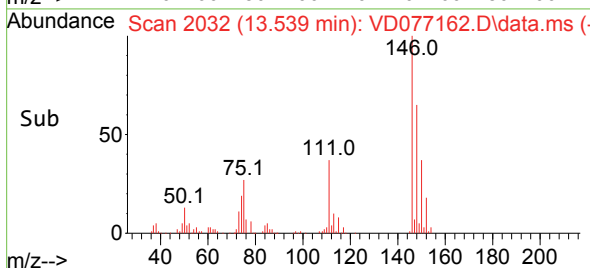
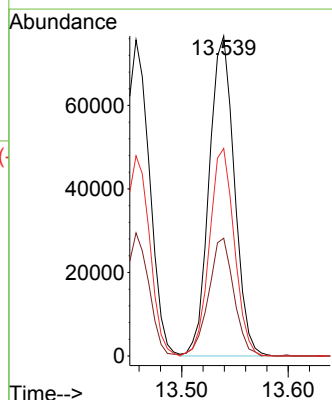
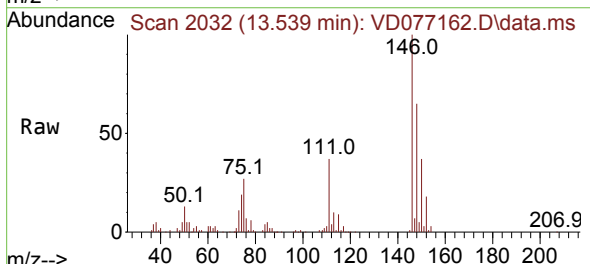
Instrument :
MSVOA_D
ClientSampleId :

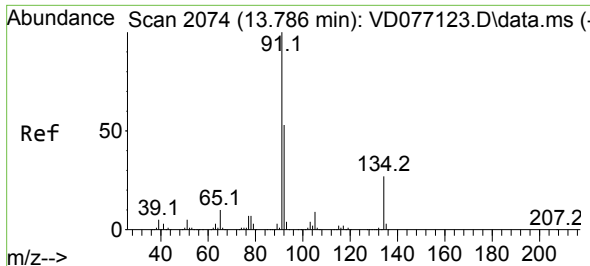
Tgt Ion:146 Resp: 123807
Ion Ratio Lower Upper
146 100
111 37.1 17.9 53.8
148 62.9 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 20.478 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion:146 Resp: 125778
Ion Ratio Lower Upper
146 100
111 37.0 17.4 52.3
148 64.2 31.7 95.1

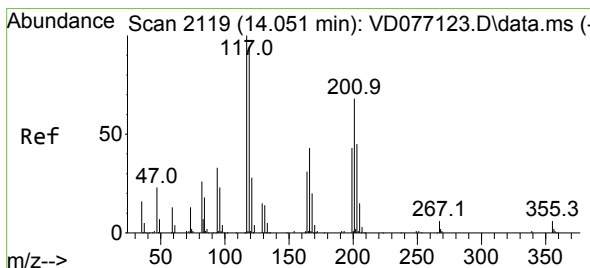
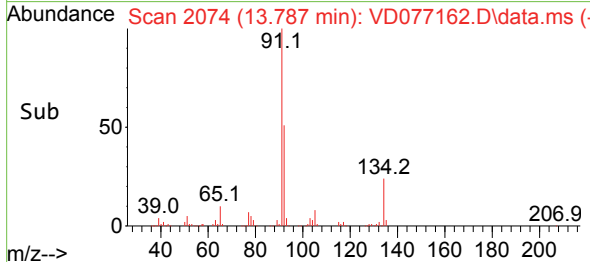
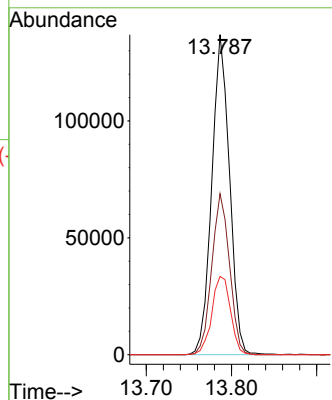
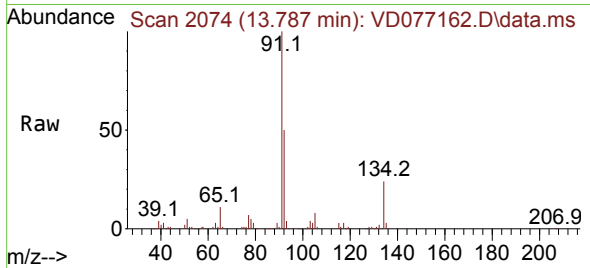




#89
n-Butylbenzene
Concen: 19.376 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

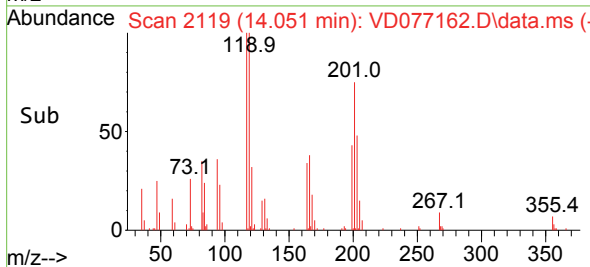
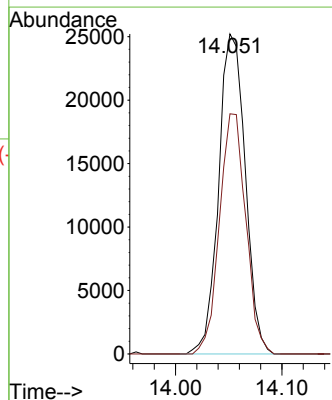
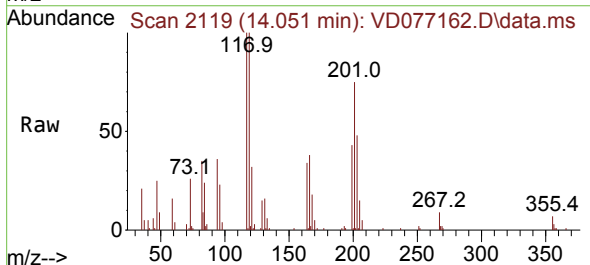
Instrument :
MSVOA_D
ClientSampleId :

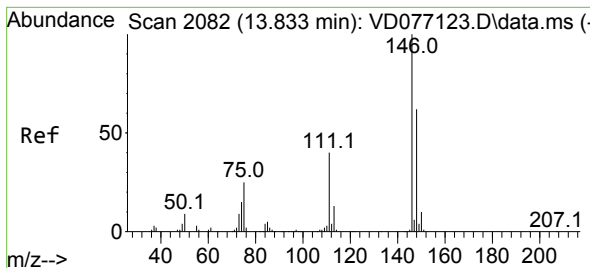
Tgt Ion: 91 Resp: 197924
Ion Ratio Lower Upper
91 100
92 50.4 26.5 79.5
134 25.8 13.8 41.3



#90
Hexachloroethane
Concen: 19.916 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion: 117 Resp: 43736
Ion Ratio Lower Upper
117 100
201 74.2 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 19.857 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

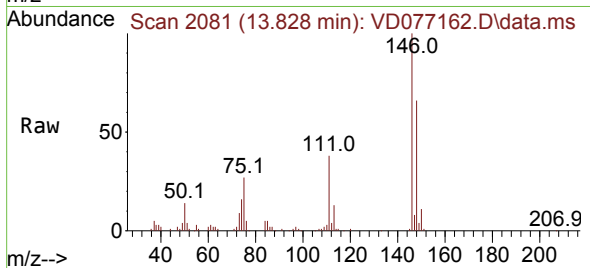
Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

Instrument :

MSVOA_D

ClientSampleId :



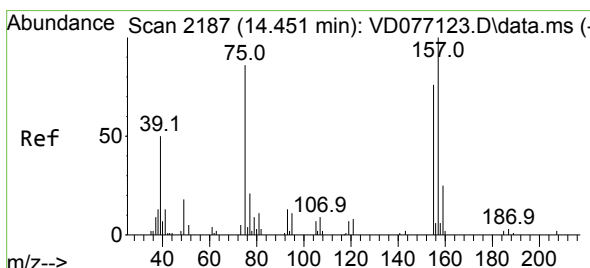
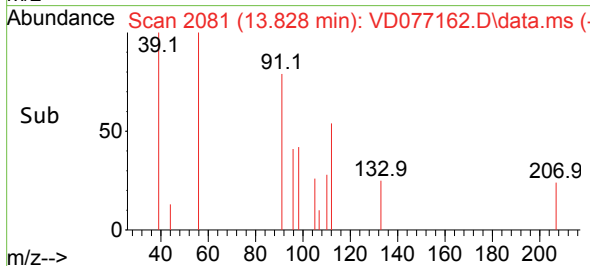
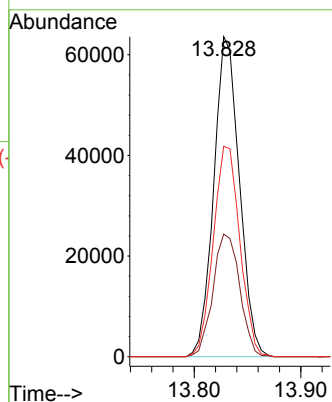
Tgt Ion:146 Resp: 106283

Ion Ratio Lower Upper

146 100

111 40.1 18.3 54.8

148 68.2 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.046 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD077162.D

Acq: 20 Sep 2023 11:39

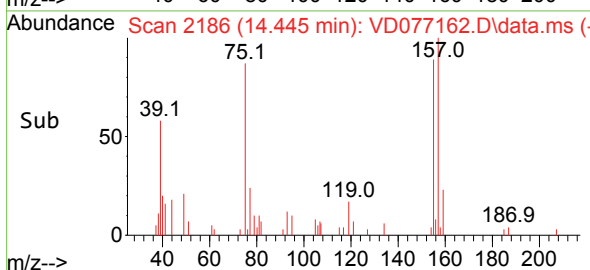
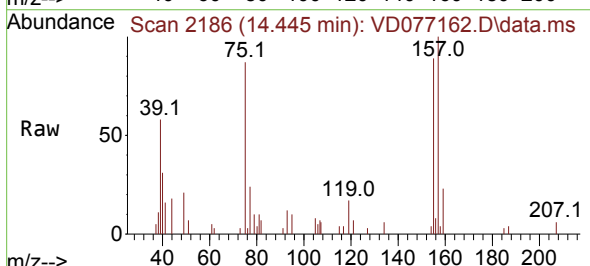
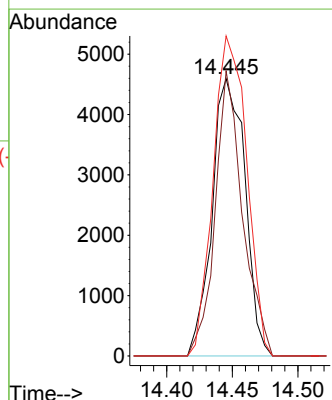
Tgt Ion: 75 Resp: 8001

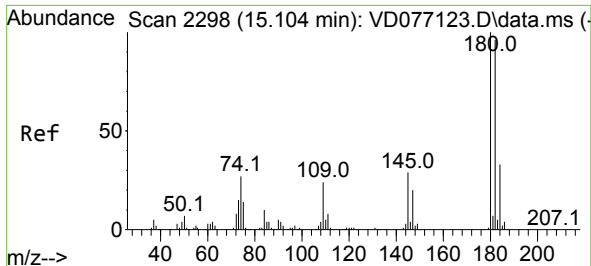
Ion Ratio Lower Upper

75 100

155 85.9 47.9 143.8

157 117.9 59.9 179.7

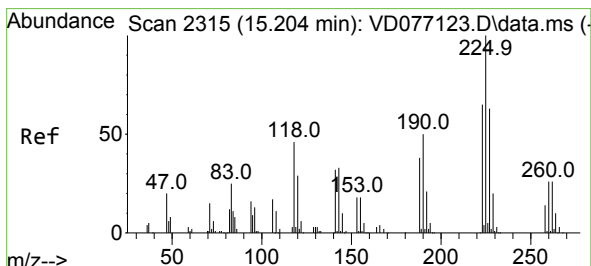
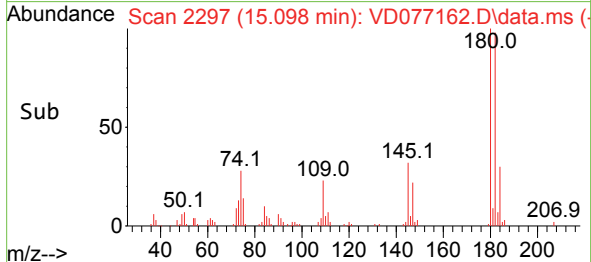
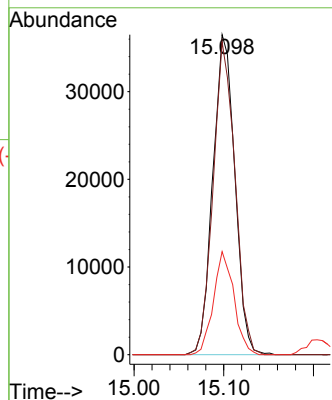
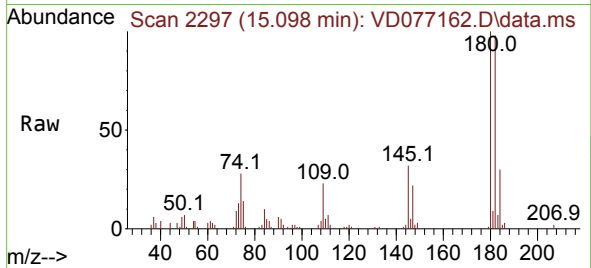




#93
1,2,4-Trichlorobenzene
Concen: 18.783 ug/l
RT: 15.098 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

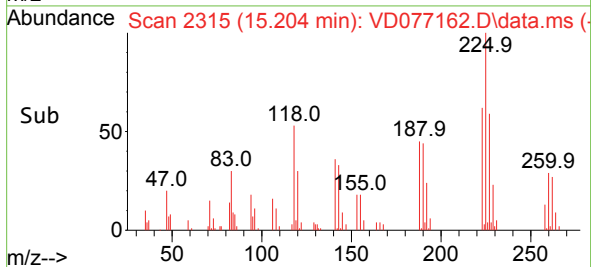
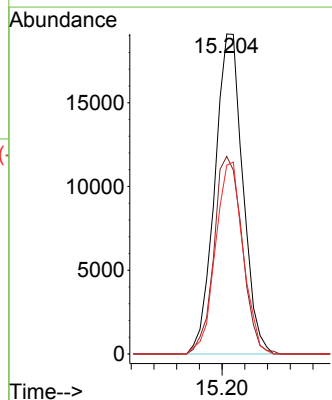
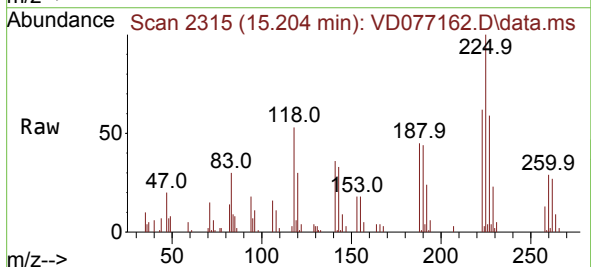
Instrument :
MSVOA_D
ClientSampleId :

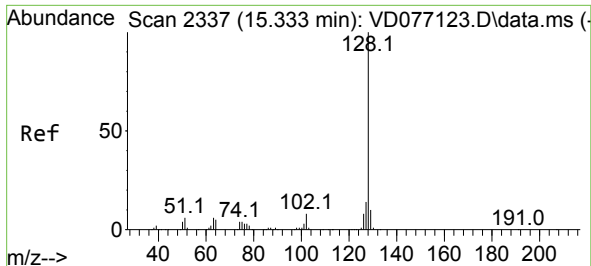
Tgt Ion:180 Resp: 62025
Ion Ratio Lower Upper
180 100
182 97.4 48.5 145.6
145 30.1 14.2 42.6



#94
Hexachlorobutadiene
Concen: 18.705 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion:225 Resp: 32732
Ion Ratio Lower Upper
225 100
223 62.0 31.6 94.8
227 59.0 31.7 95.1

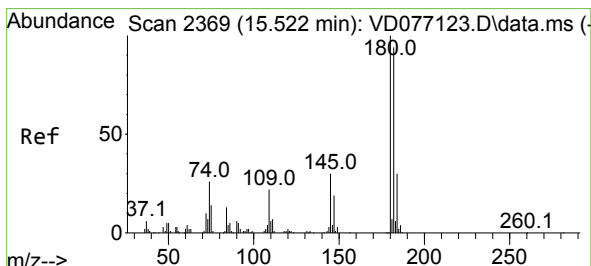
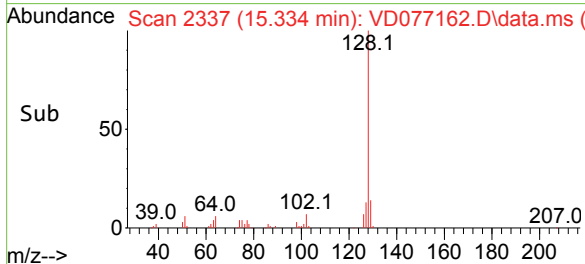
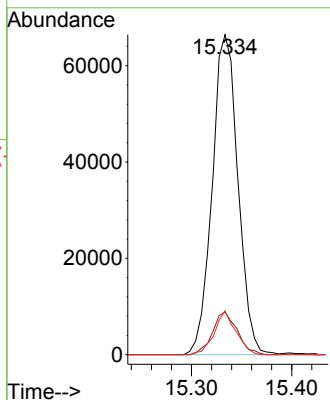
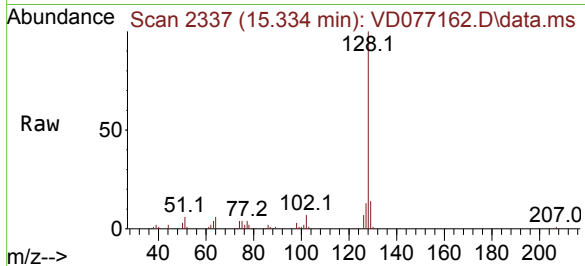




#95
Naphthalene
Concen: 19.578 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	13.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.486 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077162.D
Acq: 20 Sep 2023 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.3	141.9
145	31.0	15.1	45.3

