

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051324\
 Data File : VD078912.D
 Acq On : 13 May 2024 16:45
 Operator : RP/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 14 06:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	163448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	263084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	59833	39.026	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.060%
35) Dibromofluoromethane	7.805	113	67480	38.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.060%
50) Toluene-d8	10.269	98	262009	39.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.820%
62) 4-Bromofluorobenzene	12.569	95	74454	40.369	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	71828	47.030	ug/l	96
3) Chloromethane	2.152	50	97637	47.457	ug/l	100
4) Vinyl Chloride	2.287	62	149653	45.933	ug/l	98
5) Bromomethane	2.693	94	149698	47.818	ug/l	97
6) Chloroethane	2.840	64	127019	43.447	ug/l	96
7) Trichlorofluoromethane	3.181	101	124978	39.043	ug/l	100
8) Diethyl Ether	3.593	74	39945	55.020	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.964	101	78609	46.505	ug/l	99
10) Methyl Iodide	4.169	142	102511	50.761	ug/l	100
11) Tert butyl alcohol	5.058	59	18460	276.383	ug/l #	90
12) 1,1-Dichloroethene	3.946	96	78130	47.219	ug/l	96
13) Acrolein	3.799	56	31767	208.144	ug/l	98
14) Allyl chloride	4.564	41	79979	49.537	ug/l	99
15) Acrylonitrile	5.246	53	74681	252.001	ug/l	97
16) Acetone	4.022	43	67382	275.644	ug/l	97
17) Carbon Disulfide	4.269	76	230164	47.716	ug/l	99
18) Methyl Acetate	4.558	43	27092	48.133	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	169725	52.644	ug/l	95
20) Methylene Chloride	4.805	84	105099	54.576	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	88112	47.777	ug/l	98
22) Diisopropyl ether	6.216	45	190010	52.033	ug/l	96
23) Vinyl Acetate	6.158	43	591472	270.046	ug/l	100
24) 1,1-Dichloroethane	6.116	63	135677	46.868	ug/l	98
25) 2-Butanone	7.075	43	87852	268.704	ug/l	94
26) 2,2-Dichloropropane	7.075	77	121302	47.682	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	105444	48.691	ug/l	99
28) Bromochloromethane	7.422	49	48161	49.886	ug/l	98
29) Tetrahydrofuran	7.446	42	49205	260.197	ug/l	98
30) Chloroform	7.593	83	154291	47.057	ug/l	97
31) Cyclohexane	7.881	56	100859	45.028	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	131653	46.887	ug/l	99
36) 1,1-Dichloropropene	8.010	75	104658	48.024	ug/l	98
37) Ethyl Acetate	7.169	43	36761	49.497	ug/l	99
38) Carbon Tetrachloride	7.993	117	119669	46.923	ug/l	99
39) Methylcyclohexane	9.275	83	133414	50.385	ug/l	95
40) Benzene	8.252	78	335965	47.664	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	19092	47.774	ug/l	97
42) 1,2-Dichloroethane	8.328	62	81956	48.037	ug/l	98
43) Isopropyl Acetate	8.363	43	71182	54.016	ug/l	99
44) Trichloroethene	9.028	130	90036	48.158	ug/l	95
45) 1,2-Dichloropropane	9.304	63	73094	47.190	ug/l	95
46) Dibromomethane	9.393	93	48119	47.190	ug/l	97
47) Bromodichloromethane	9.587	83	117457	47.853	ug/l	98
48) Methyl methacrylate	9.375	41	33581	52.346	ug/l	93
49) 1,4-Dioxane	9.387	88	10422	1161.940	ug/l	99
51) 4-Methyl-2-Pentanone	10.157	43	186118	265.159	ug/l	100
52) Toluene	10.334	92	218711	48.474	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	106615	51.116	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	126526	50.541	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	65719	49.886	ug/l	95
56) Ethyl methacrylate	10.598	69	75146	55.443	ug/l	98
57) 1,3-Dichloropropane	10.881	76	101420	49.441	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	135197	232.152	ug/l	99
59) 2-Hexanone	10.922	43	134012	274.299	ug/l	95
60) Dibromochloromethane	11.069	129	87698	48.834	ug/l	97
61) 1,2-Dibromoethane	11.175	107	60317	50.216	ug/l	95
64) Tetrachloroethene	10.810	164	76598	48.499	ug/l	94
65) Chlorobenzene	11.604	112	254056	49.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	87182	48.702	ug/l	98
67) Ethyl Benzene	11.681	91	413733	49.676	ug/l	99
68) m/p-Xylenes	11.793	106	345375	101.997	ug/l	98
69) o-Xylene	12.122	106	161047	52.169	ug/l	98
70) Styrene	12.134	104	284073	51.922	ug/l	99
71) Bromoform	12.298	173	50980	49.716	ug/l #	98
73) Isopropylbenzene	12.422	105	399644	52.555	ug/l	99
74) N-amyl acetate	12.234	43	67338	54.575	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	67678	49.340	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	87423	97.468	ug/l #	100
77) Bromobenzene	12.698	156	100575	50.296	ug/l	99
78) n-propylbenzene	12.763	91	474310	51.605	ug/l	100
79) 2-Chlorotoluene	12.851	91	262955	51.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	337632	53.442	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	25632	56.669	ug/l	97
82) 4-Chlorotoluene	12.945	91	275859	51.473	ug/l	99
83) tert-Butylbenzene	13.163	119	300836	53.842	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	348166	53.203	ug/l	100
85) sec-Butylbenzene	13.345	105	433803	52.048	ug/l	99
86) p-Isopropyltoluene	13.457	119	390802	53.818	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	213803	50.526	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	206349	49.794	ug/l	99
89) n-Butylbenzene	13.787	91	338050	51.953	ug/l	98
90) Hexachloroethane	14.051	117	74486	48.629	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	178525	50.423	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8957	49.050	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	112943	54.330	ug/l	98
94) Hexachlorobutadiene	15.204	225	56510	52.015	ug/l	95
95) Naphthalene	15.328	128	208929	59.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	104007	56.243	ug/l	95

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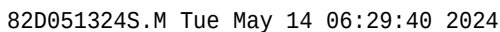
Instrument :
MSVOA_D
ClientSampleId :

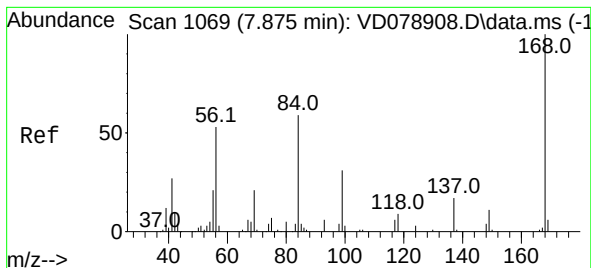
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

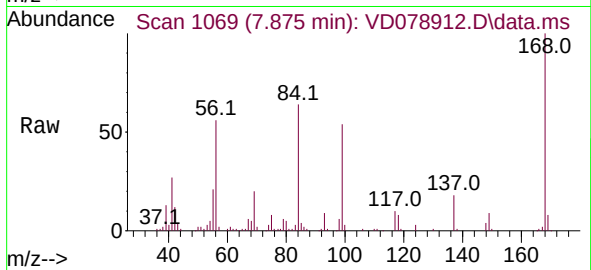
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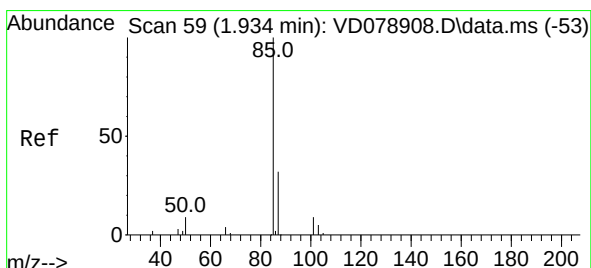
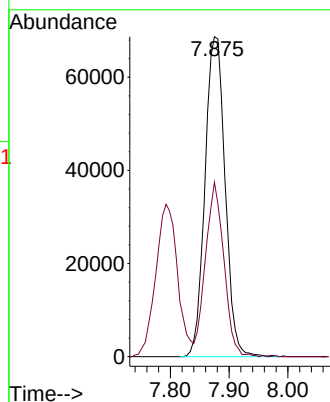
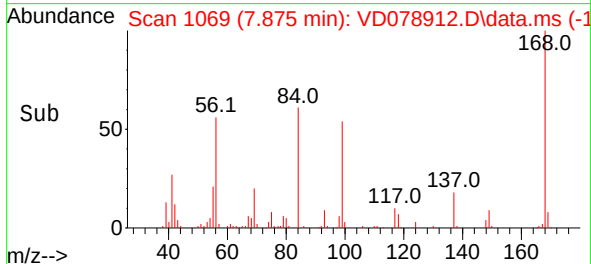


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078912.D
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MSVOA_D
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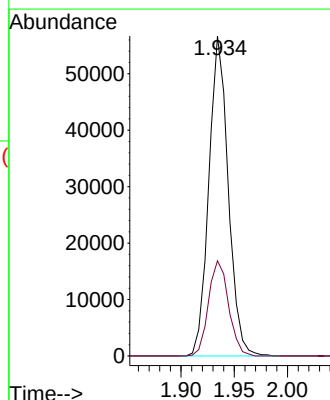
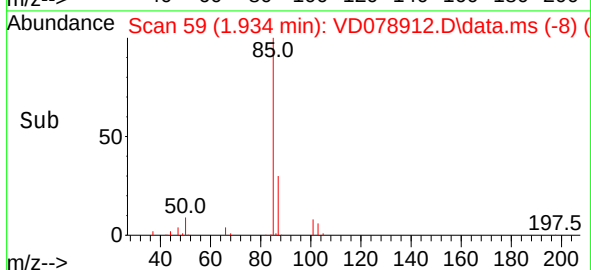
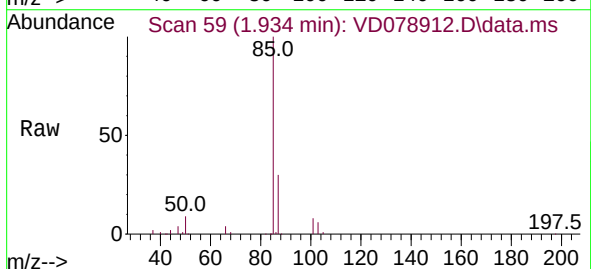


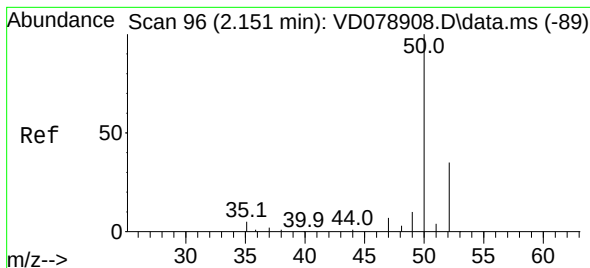
Tgt Ion:168 Resp: 163448
Ion Ratio Lower Upper
168 100
99 54.5 41.1 61.7



#2
Dichlorodifluoromethane
Concen: 47.030 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 85 Resp: 71828
Ion Ratio Lower Upper
85 100
87 29.8 16.0 48.0





#3

Chloromethane

Concen: 47.457 ug/l

RT: 2.152 min Scan# 90

Delta R.T. 0.001 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

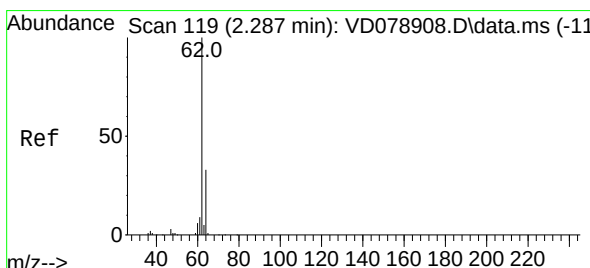
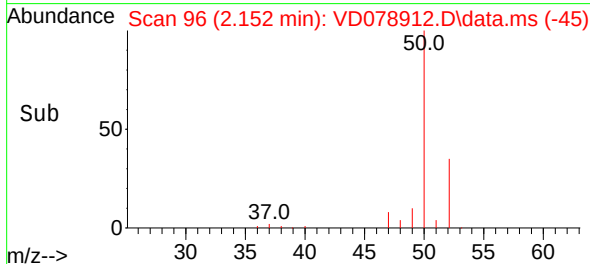
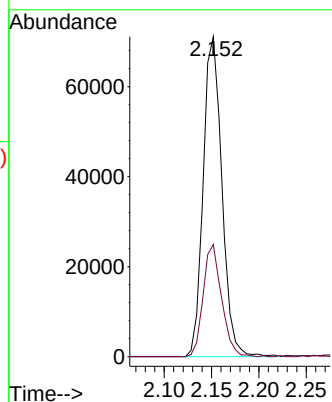
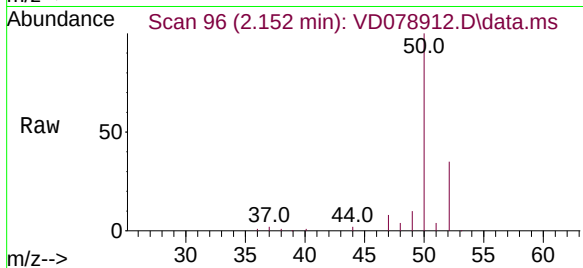
ClientSampleId :

Tgt Ion: 50 Resp: 97637

Ion Ratio Lower Upper

50 100

52 35.0 28.2 42.2



#4

Vinyl Chloride

Concen: 45.933 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD078912.D

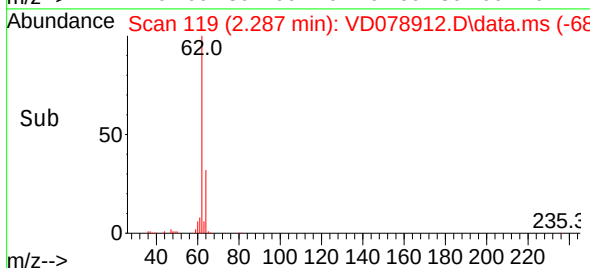
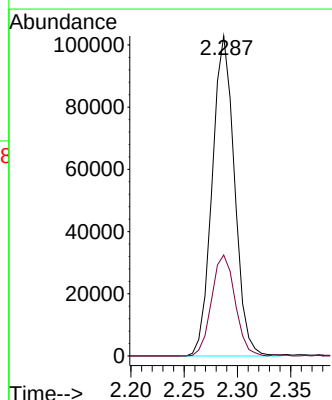
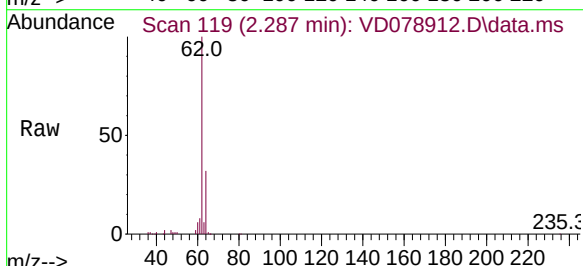
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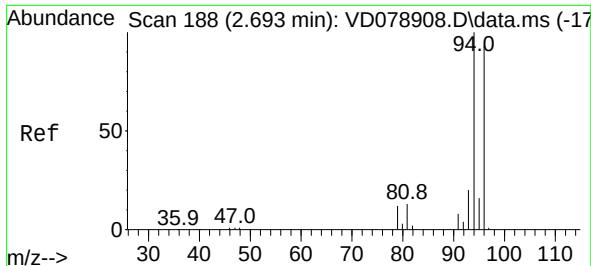
Tgt Ion: 62 Resp: 149653

Ion Ratio Lower Upper

62 100

64 31.6 26.3 39.5

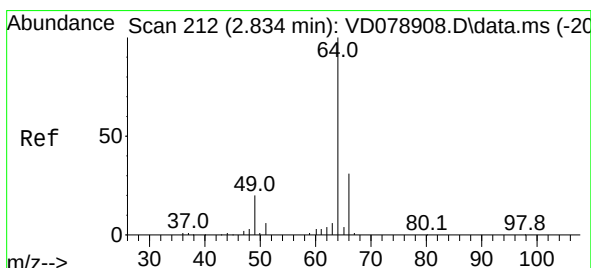
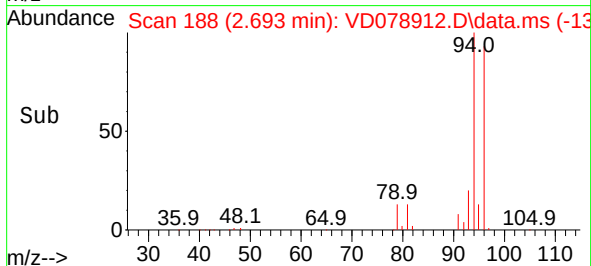
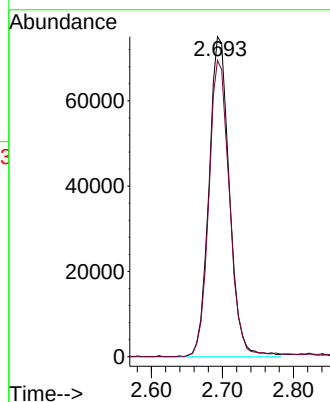
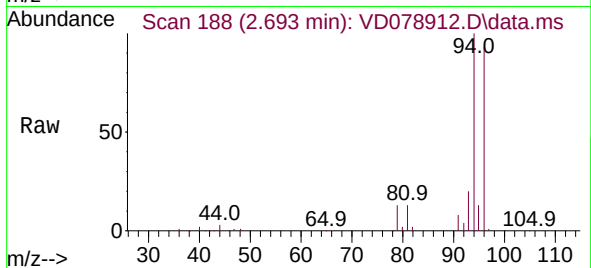




#5
Bromomethane
Concen: 47.818 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

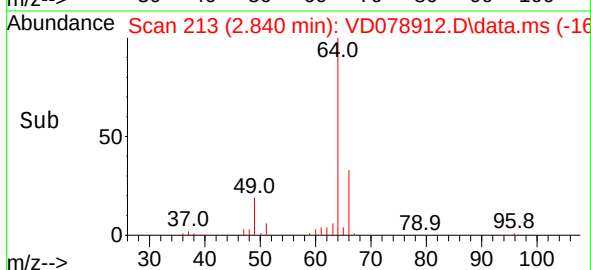
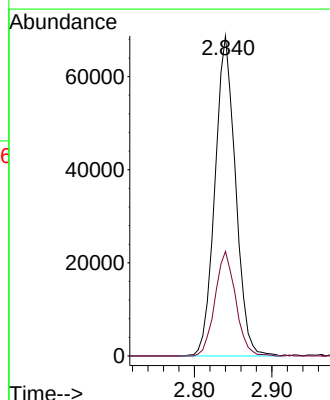
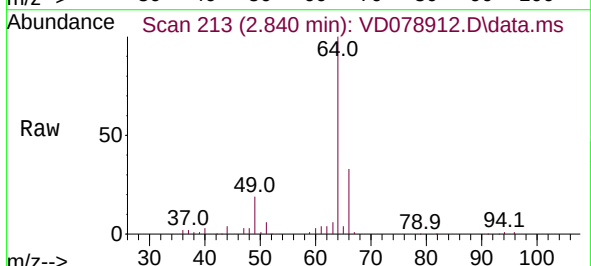
Instrument :
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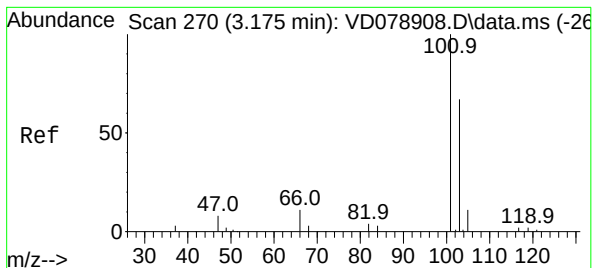
Tgt Ion: 94 Resp: 149698
Ion Ratio Lower Upper
94 100
96 93.5 76.9 115.3



#6
Chloroethane
Concen: 43.447 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 64 Resp: 127019
Ion Ratio Lower Upper
64 100
66 32.7 24.5 36.7





#7

Trichlorofluoromethane

Concen: 39.043 ug/l

RT: 3.181 min Scan# 271

Delta R.T. 0.006 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

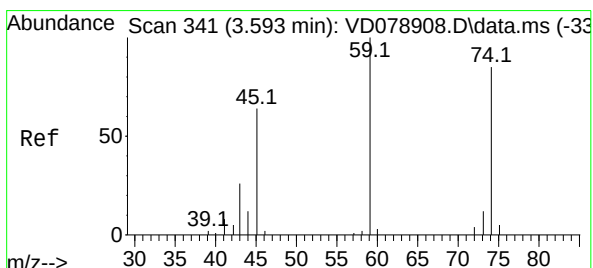
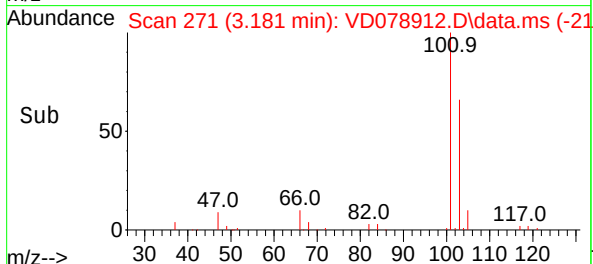
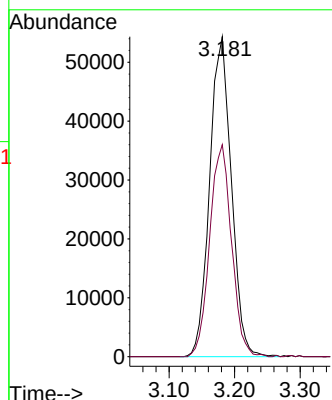
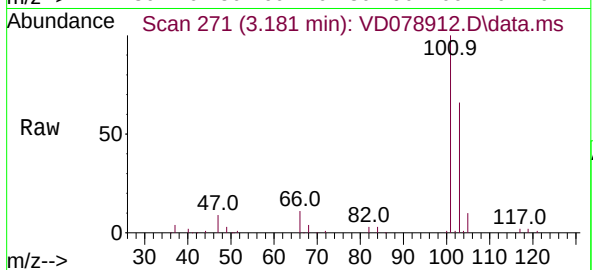
ClientSampleId :

Tgt Ion:101 Resp: 124978

Ion Ratio Lower Upper

101 100

103 66.3 53.2 79.8



#8

Diethyl Ether

Concen: 55.020 ug/l

RT: 3.593 min Scan# 341

Delta R.T. -0.000 min

Lab File: VD078912.D

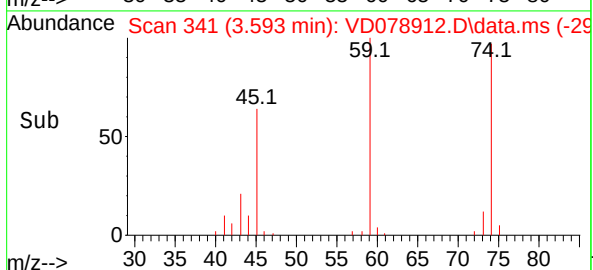
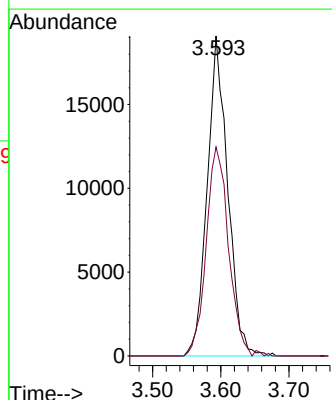
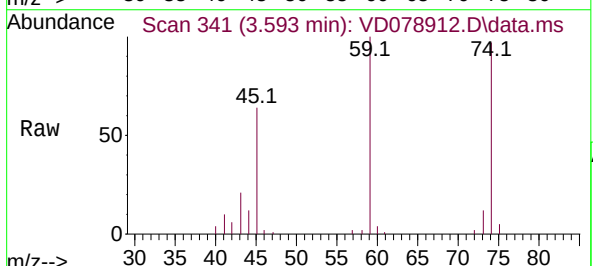
Acq: 13 May 2024 16:45

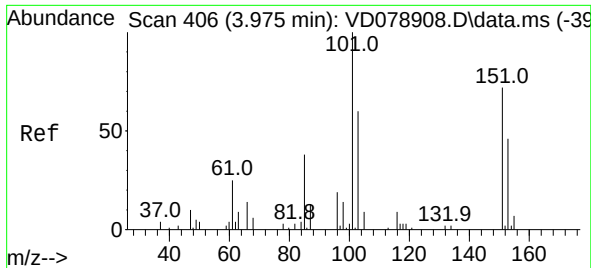
Tgt Ion: 74 Resp: 39945

Ion Ratio Lower Upper

74 100

45 70.7 37.9 113.6

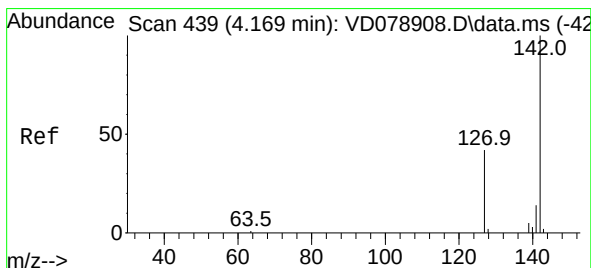
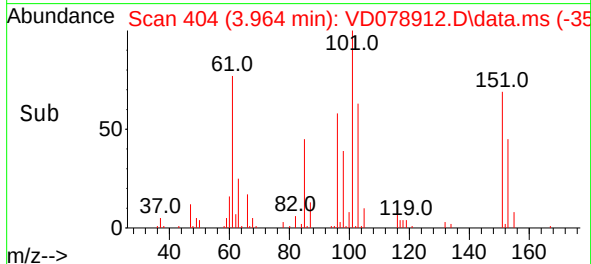
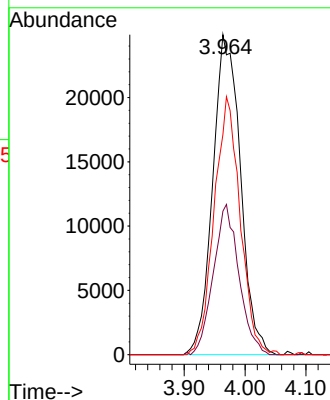
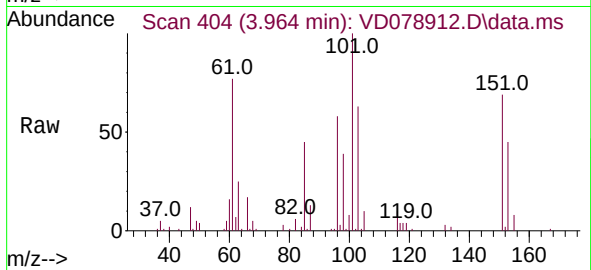




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.505 ug/l
RT: 3.964 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD078912.D
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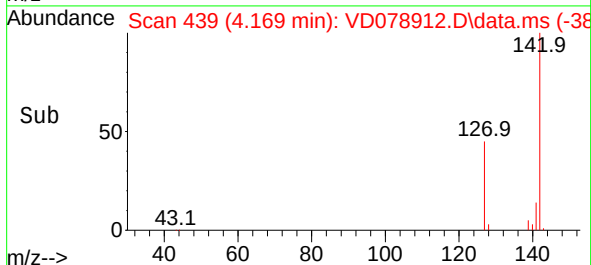
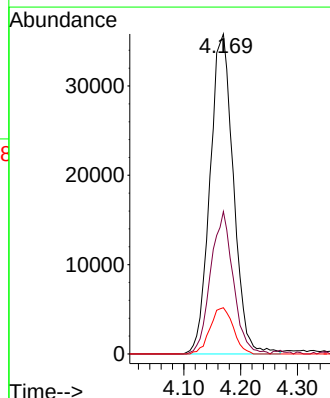
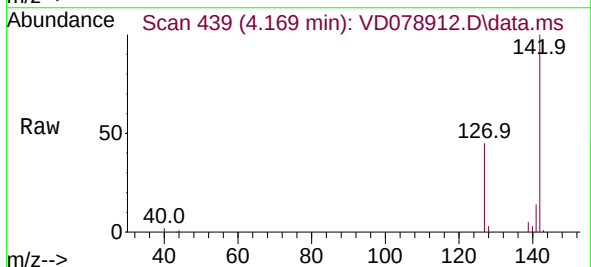
Instrument :
MSVOA_D
ClientSampleId :

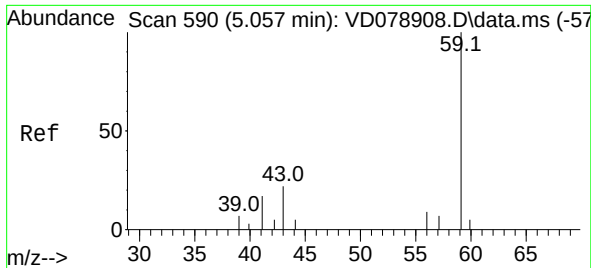
Tgt Ion:	101	Resp:	78609
Ion	Ratio	Lower	Upper
101	100		
85	43.5	33.5	50.3
151	75.8	60.3	90.5



#10
Methyl Iodide
Concen: 50.761 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion:	142	Resp:	102511
Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.2	51.4
141	14.3	11.7	17.5





#11

Tert butyl alcohol

Concen: 276.383 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.001 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

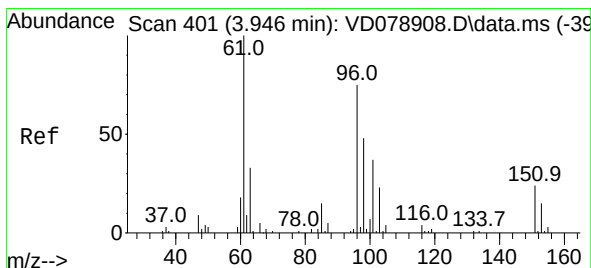
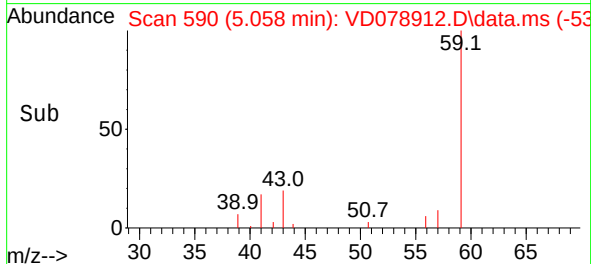
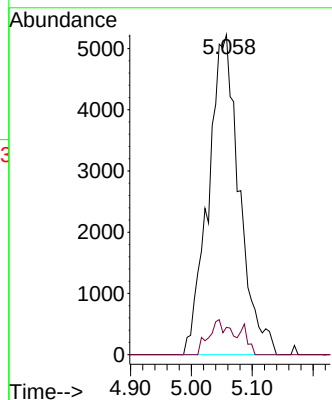
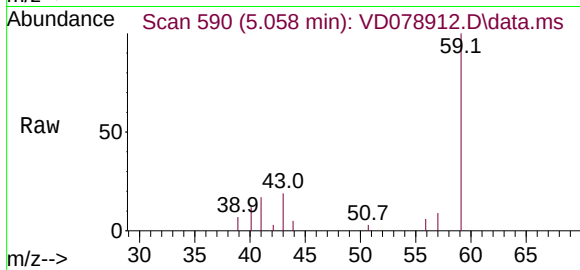
ClientSampleId :

Tgt Ion: 59 Resp: 18460

Ion Ratio Lower Upper

59 100

57 7.8 3.6 5.4#



#12

1,1-Dichloroethene

Concen: 47.219 ug/l

RT: 3.946 min Scan# 401

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

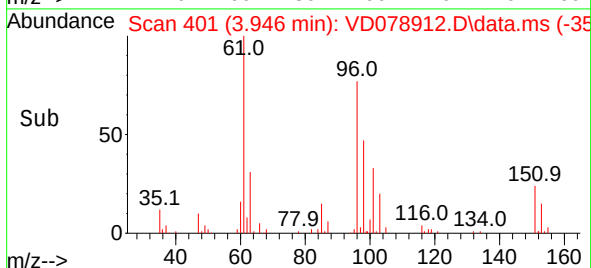
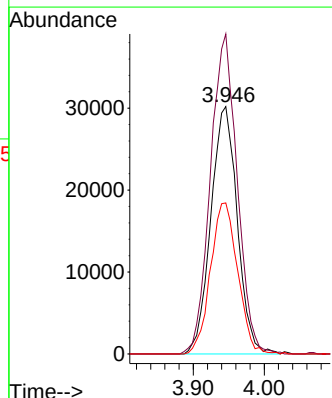
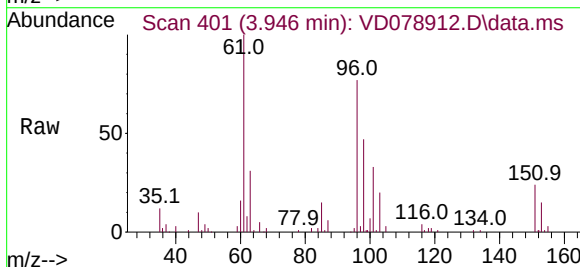
Tgt Ion: 96 Resp: 78130

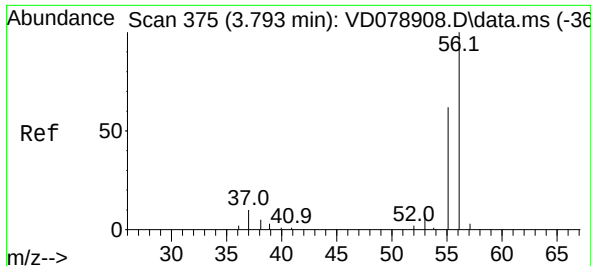
Ion Ratio Lower Upper

96 100

61 129.4 107.3 160.9

98 61.1 51.7 77.5





#13

Acrolein

Concen: 208.144 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

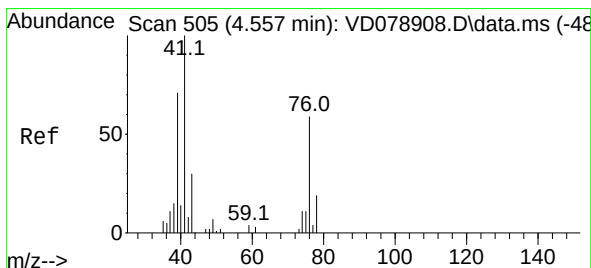
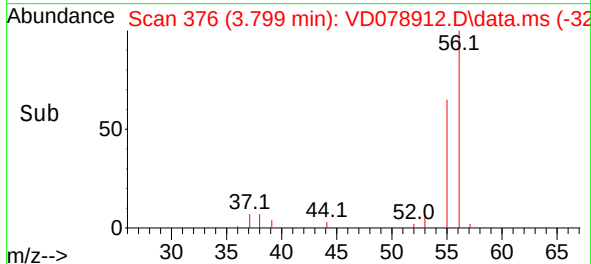
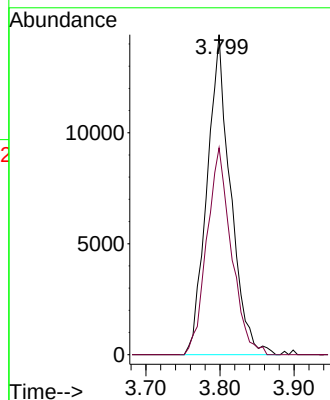
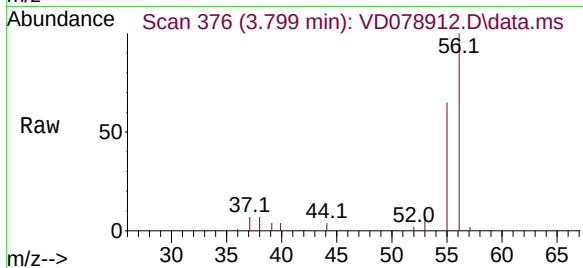
ClientSampleId :

Tgt Ion: 56 Resp: 31767

Ion Ratio Lower Upper

56 100

55 67.5 55.3 82.9



#14

Allyl chloride

Concen: 49.537 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

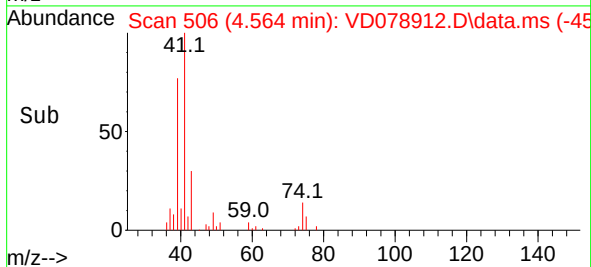
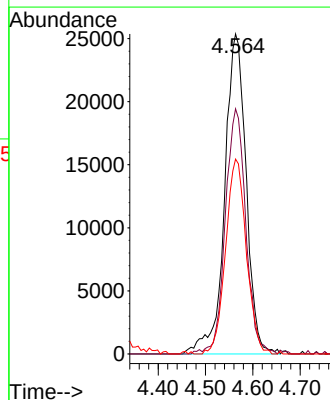
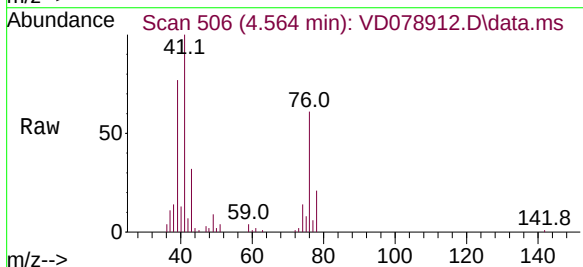
Tgt Ion: 41 Resp: 79979

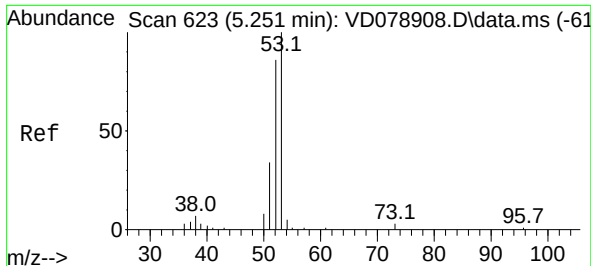
Ion Ratio Lower Upper

41 100

39 73.0 58.0 87.0

76 58.8 45.9 68.9





#15

Acrylonitrile

Concen: 252.001 ug/l

RT: 5.246 min Scan# 61

Delta R.T. -0.006 min MSVOA_D

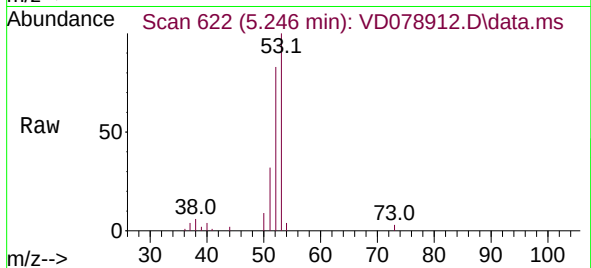
Lab File: VD078912.D

Acq: 13 May 2024 16:45

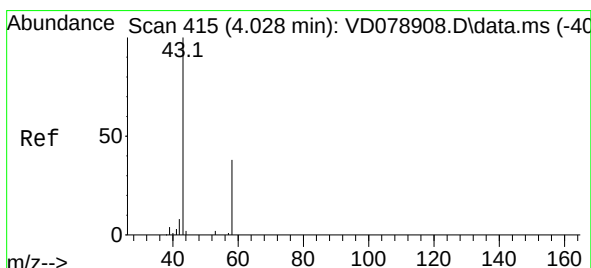
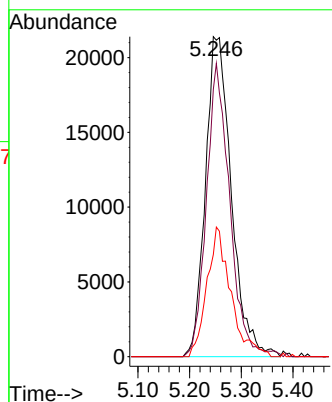
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 53	Resp: 74681
Ion Ratio	Lower Upper
53	100
52	81.9 67.7 101.5
51	37.3 28.6 42.8



#16

Acetone

Concen: 275.644 ug/l

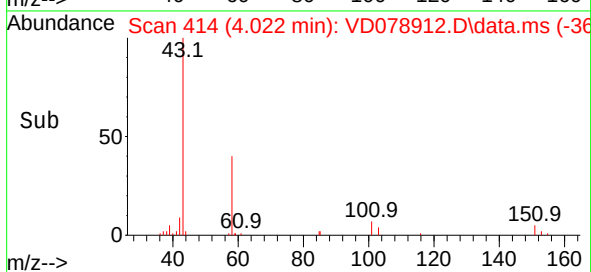
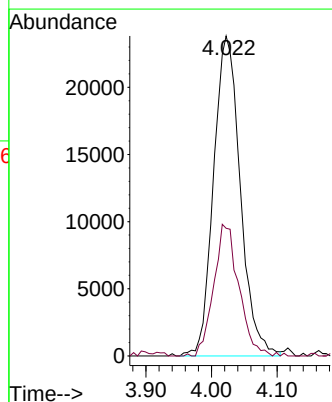
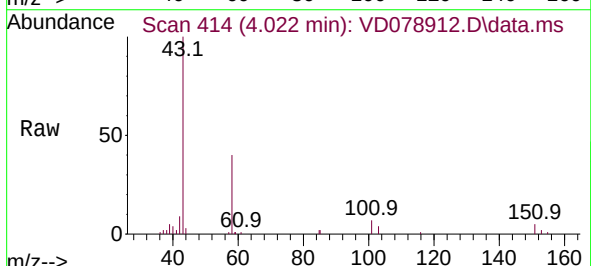
RT: 4.022 min Scan# 414

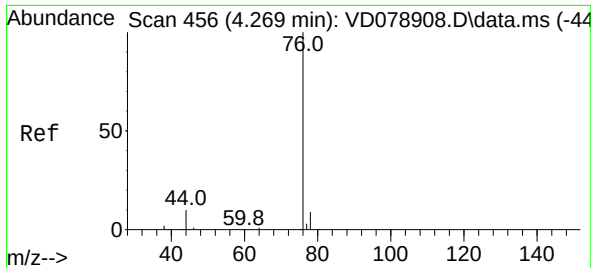
Delta R.T. -0.005 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Tgt Ion: 43	Resp: 67382
Ion Ratio	Lower Upper
43	100
58	39.9 30.4 45.6

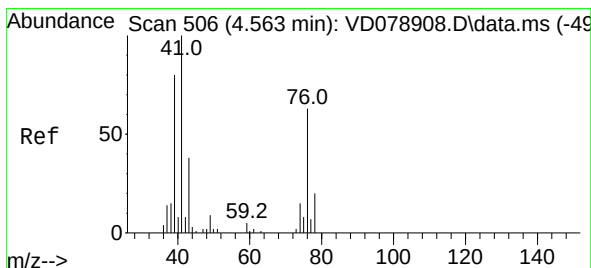
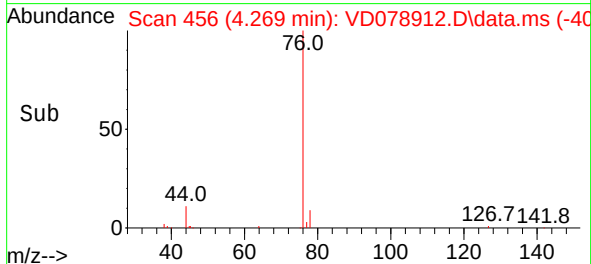
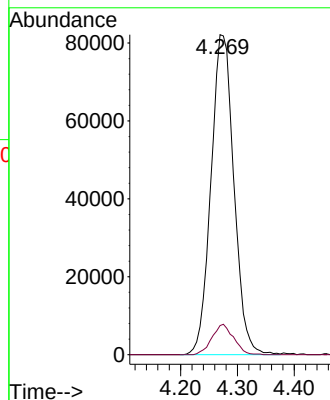
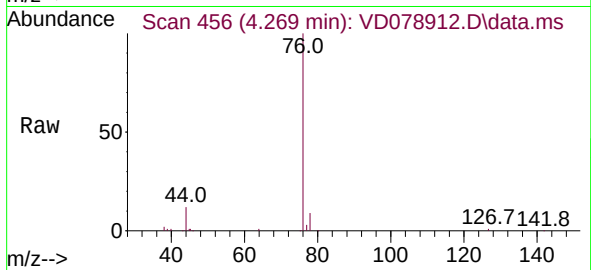




#17
Carbon Disulfide
Concen: 47.716 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

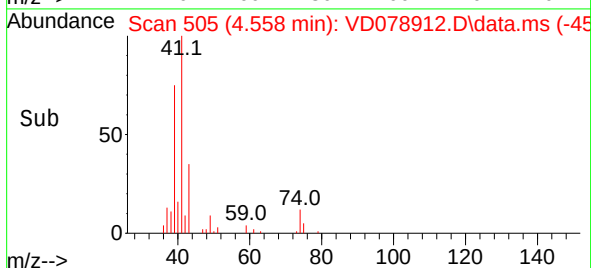
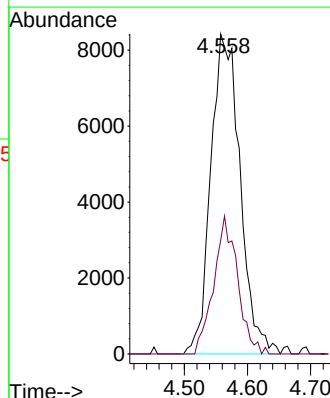
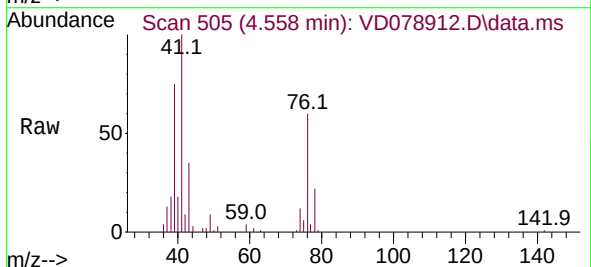
Instrument :
MSVOA_D
ClientSampleId :

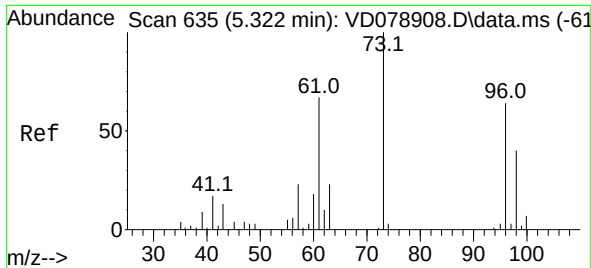
Tgt Ion: 76 Resp: 230164
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3



#18
Methyl Acetate
Concen: 48.133 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.005 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 43 Resp: 27092
Ion Ratio Lower Upper
43 100
74 35.2 28.1 42.1

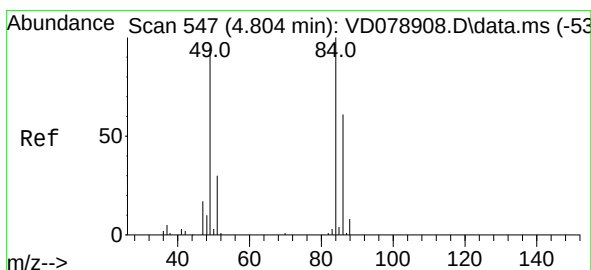
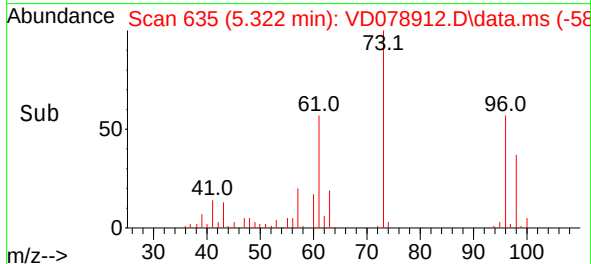
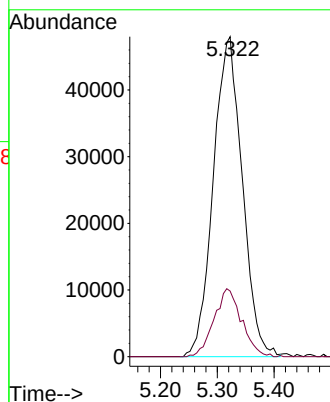
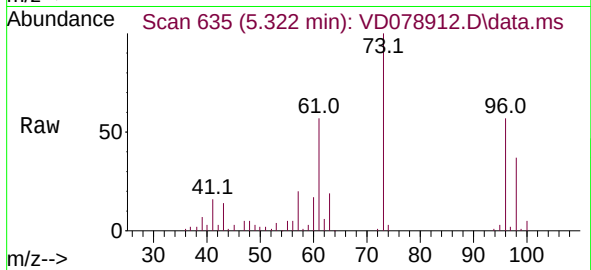




#19
Methyl tert-butyl Ether
Concen: 52.644 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

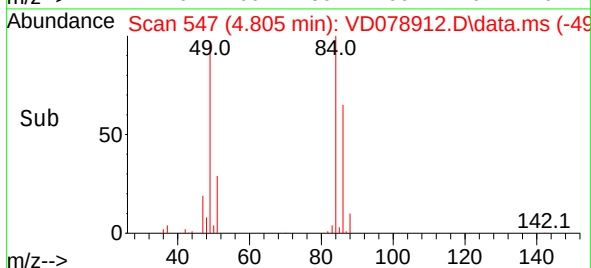
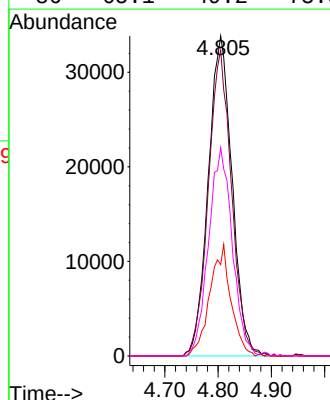
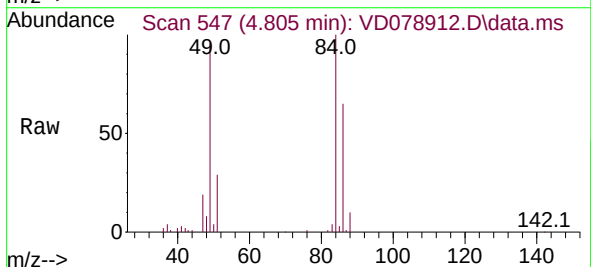
Instrument :
MSVOA_D
ClientSampleId :

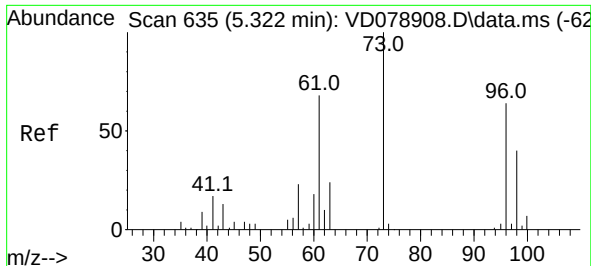
Tgt Ion: 73 Resp: 169725
Ion Ratio Lower Upper
73 100
57 20.5 18.3 27.5



#20
Methylene Chloride
Concen: 54.576 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.001 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 84 Resp: 105099
Ion Ratio Lower Upper
84 100
49 95.6 75.6 113.4
51 28.5 24.2 36.2
86 65.1 49.2 73.8





#21

trans-1,2-Dichloroethene

Concen: 47.777 ug/l

RT: 5.311 min Scan# 61

Delta R.T. -0.011 min

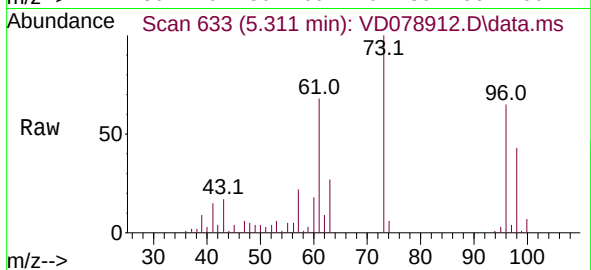
Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :



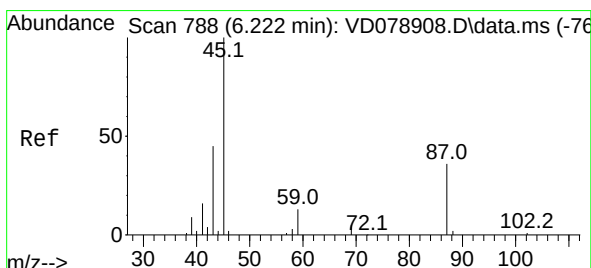
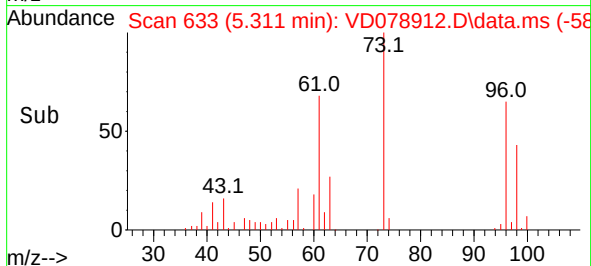
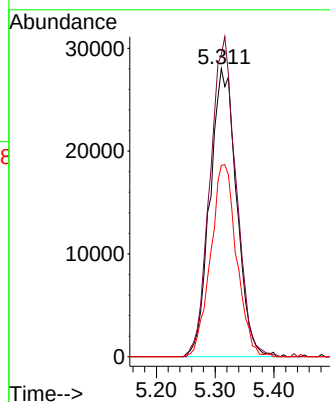
Tgt Ion: 96 Resp: 88112

Ion Ratio Lower Upper

96 100

61 104.9 84.5 126.7

98 66.5 50.5 75.7



#22

Diisopropyl ether

Concen: 52.033 ug/l

RT: 6.216 min Scan# 787

Delta R.T. -0.005 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Tgt Ion: 45 Resp: 190010

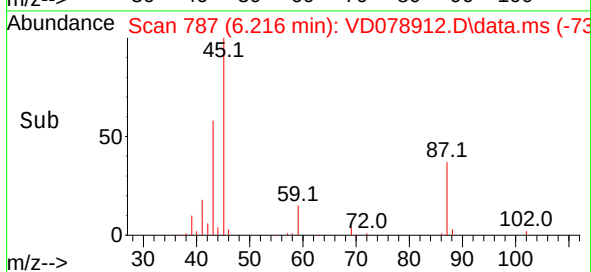
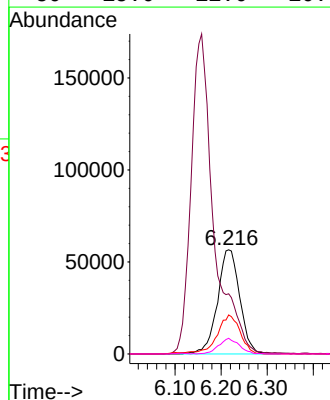
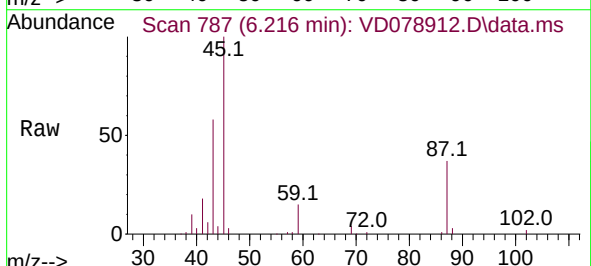
Ion Ratio Lower Upper

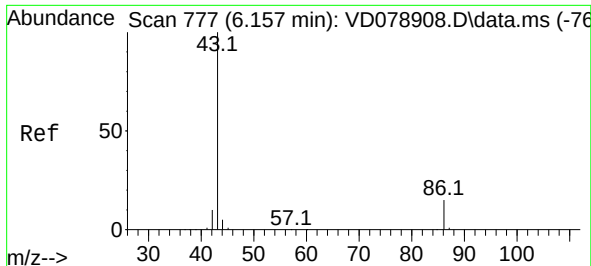
45 100

43 56.7 41.7 62.5

87 37.5 30.2 45.2

59 15.0 11.0 16.6

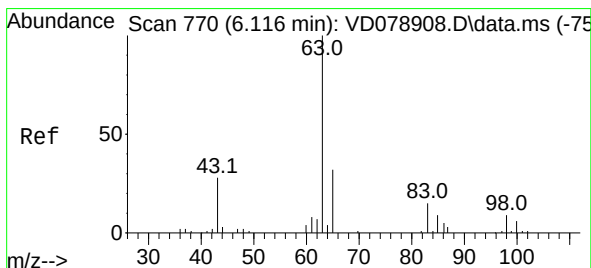
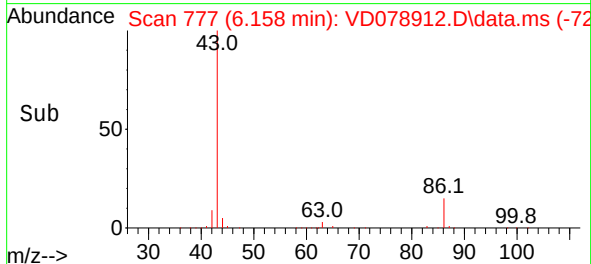
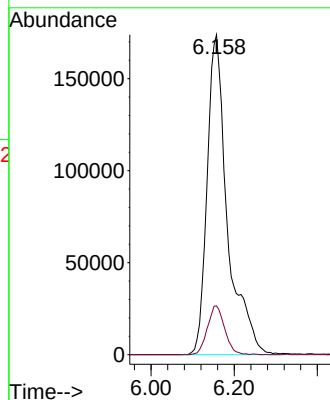
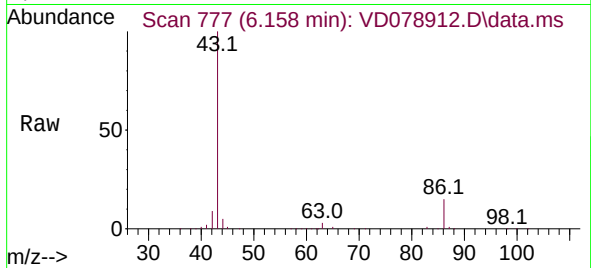




#23
 Vinyl Acetate
 Concen: 270.046 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VD078912.D
 Acq: 13 May 2024 16:45

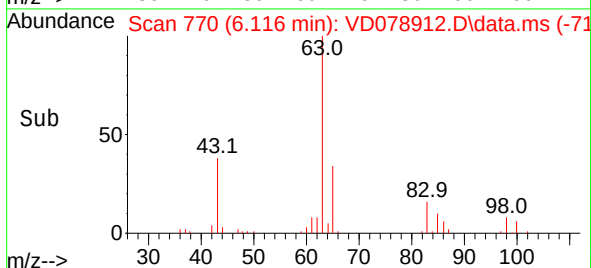
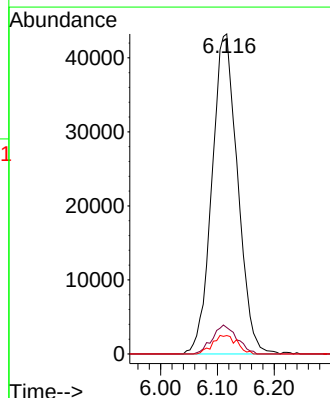
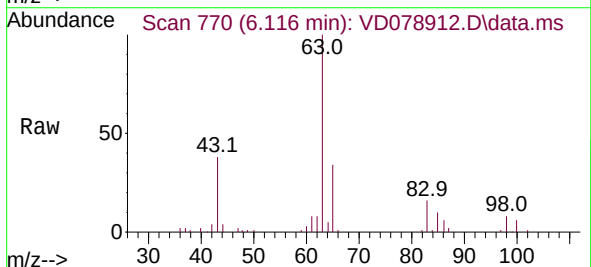
Instrument :
 MSVOA_D
 ClientSampleId :

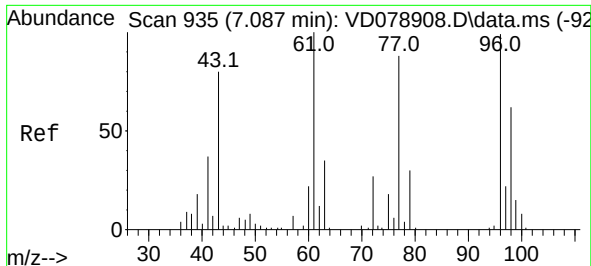
Tgt Ion: 43 Resp: 591472
 Ion Ratio Lower Upper
 43 100
 86 15.3 12.3 18.5



#24
 1,1-Dichloroethane
 Concen: 46.868 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.000 min
 Lab File: VD078912.D
 Acq: 13 May 2024 16:45

Tgt Ion: 63 Resp: 135677
 Ion Ratio Lower Upper
 63 100
 98 8.3 4.7 14.0
 100 5.7 2.9 8.6





#25

2-Butanone

Concen: 268.704 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.011 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

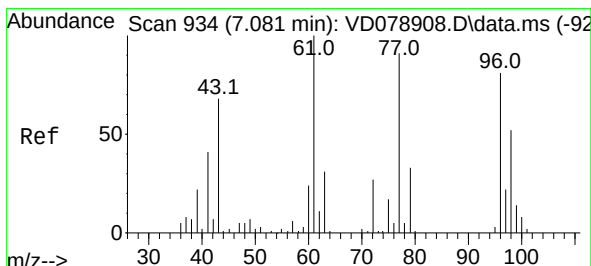
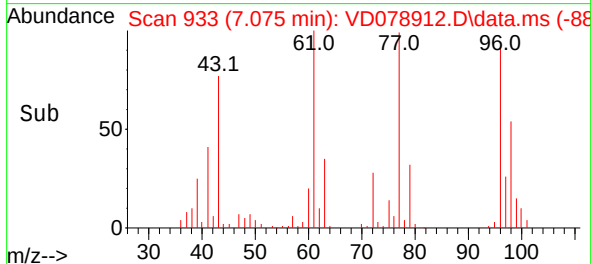
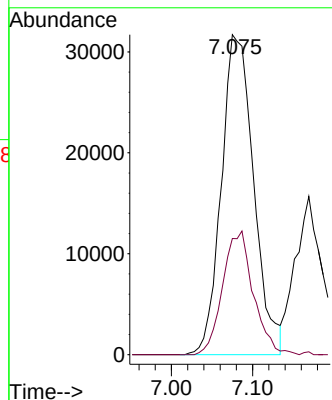
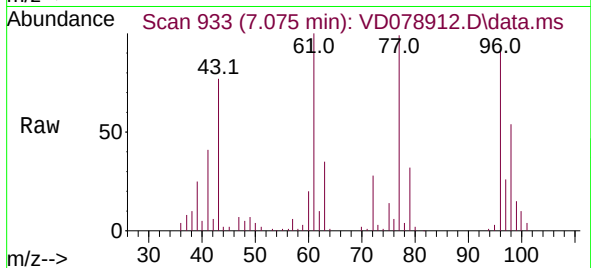
ClientSampleId :

Tgt Ion: 43 Resp: 87852

Ion Ratio Lower Upper

43 100

72 36.3 26.4 39.6



#26

2,2-Dichloropropane

Concen: 47.682 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.005 min

Lab File: VD078912.D

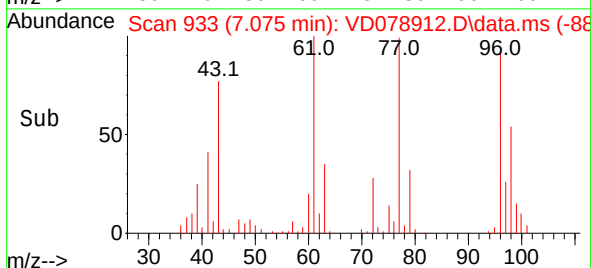
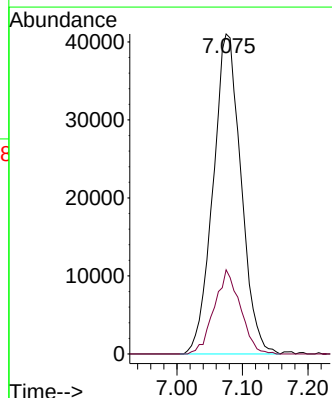
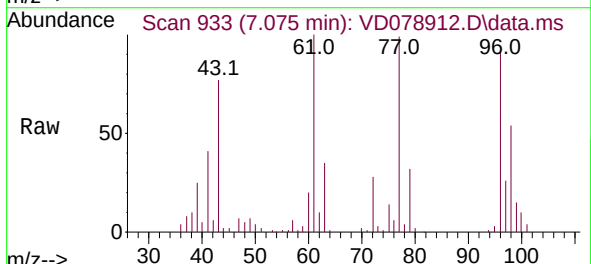
Acq: 13 May 2024 16:45

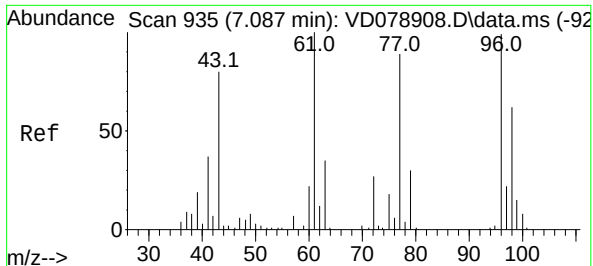
Tgt Ion: 77 Resp: 121302

Ion Ratio Lower Upper

77 100

97 24.6 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 48.691 ug/l

RT: 7.081 min Scan# 90

Delta R.T. -0.005 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

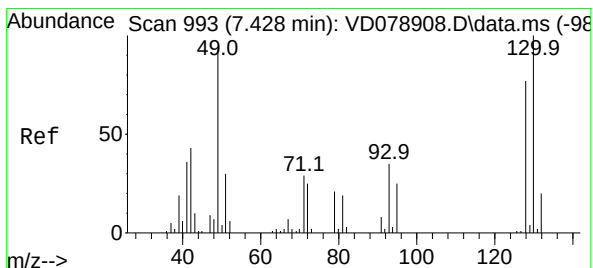
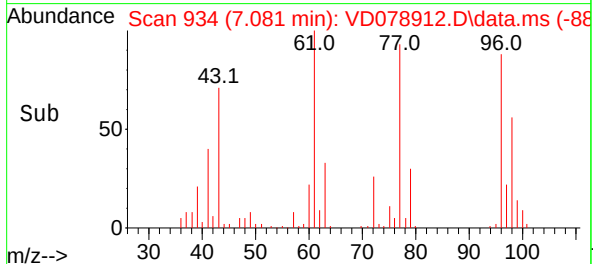
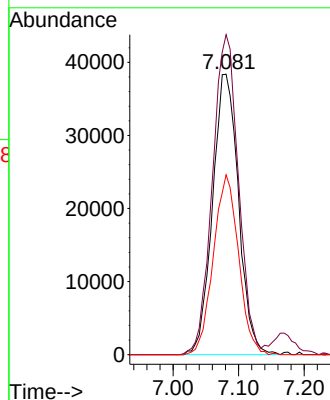
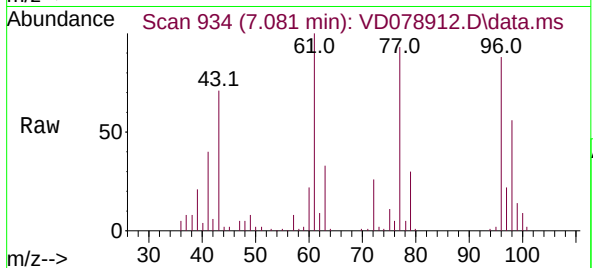
Tgt Ion: 96 Resp: 105444

Ion Ratio Lower Upper

96 100

61 114.2 0.0 229.0

98 62.3 0.0 127.2



#28

Bromochloromethane

Concen: 49.886 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

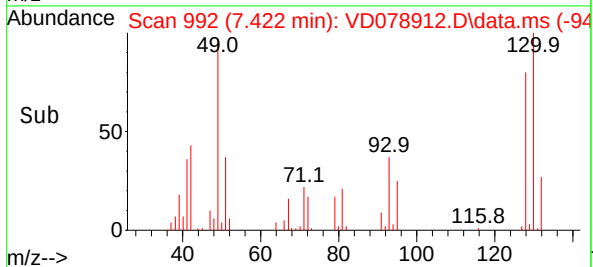
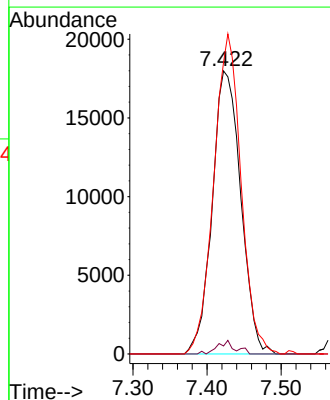
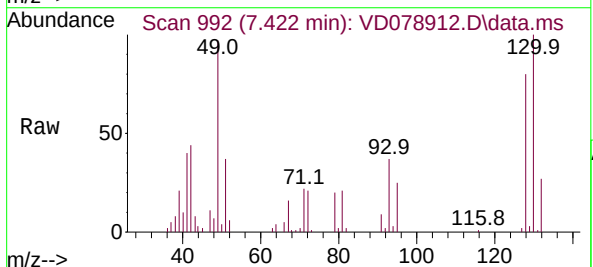
Tgt Ion: 49 Resp: 48161

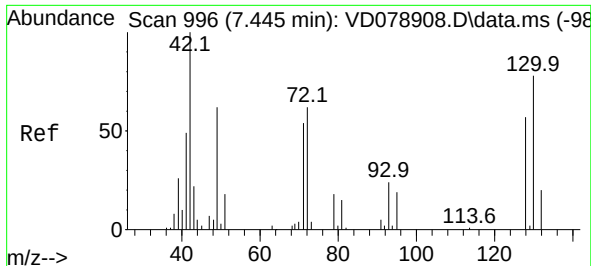
Ion Ratio Lower Upper

49 100

129 2.4 0.0 7.0

130 108.0 87.7 131.5





#29

Tetrahydrofuran

Concen: 260.197 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

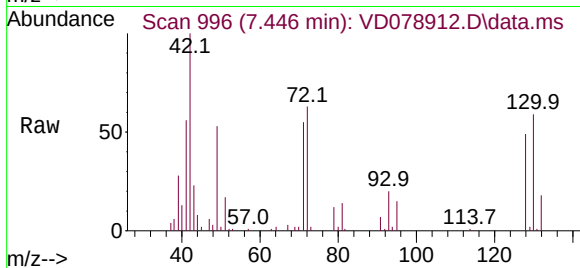
Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :



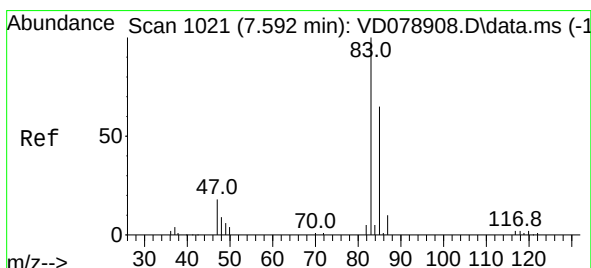
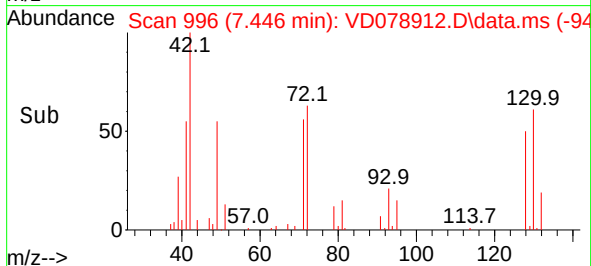
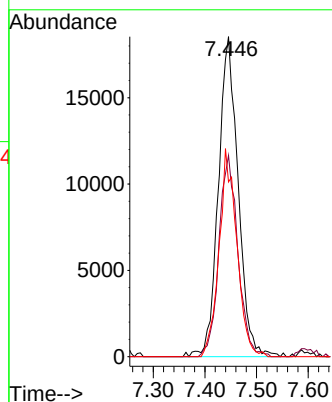
Tgt Ion: 42 Resp: 49205

Ion Ratio Lower Upper

42 100

72 60.5 49.4 74.0

71 58.4 45.0 67.6



#30

Chloroform

Concen: 47.057 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD078912.D

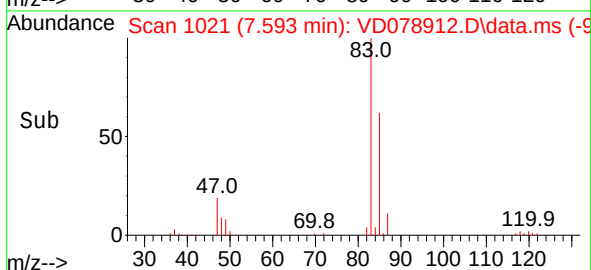
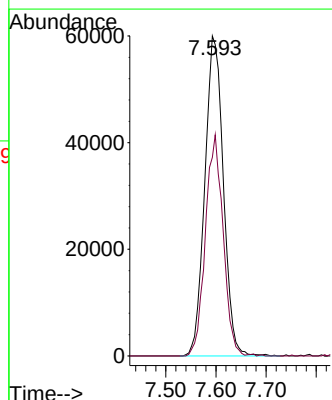
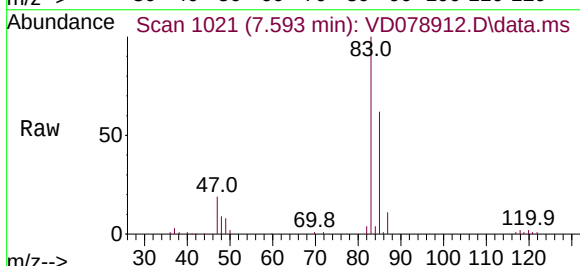
Acq: 13 May 2024 16:45

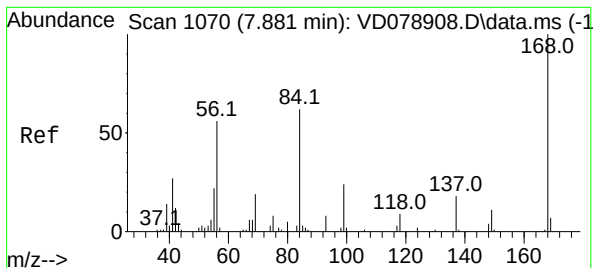
Tgt Ion: 83 Resp: 154291

Ion Ratio Lower Upper

83 100

85 62.0 51.8 77.6





#31

Cyclohexane

Concen: 45.028 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

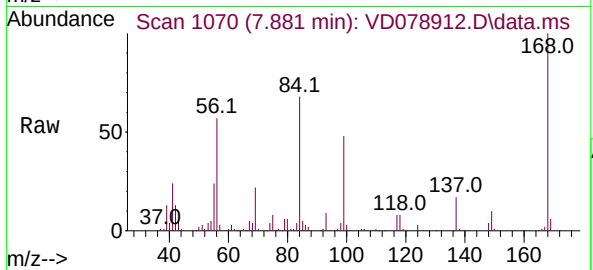
Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :



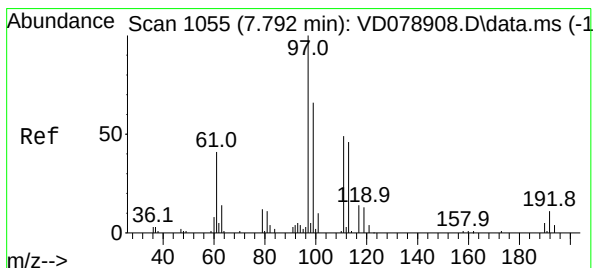
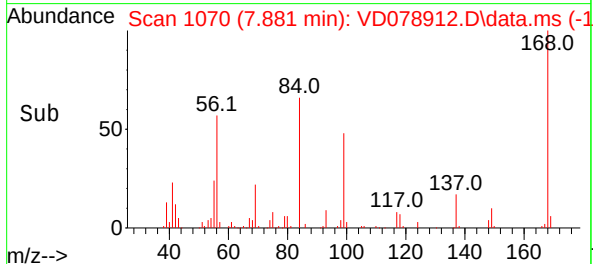
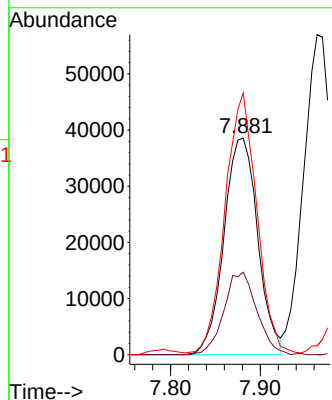
Tgt Ion: 56 Resp: 100859

Ion Ratio Lower Upper

56 100

69 38.0 28.0 42.0

84 119.7 87.4 131.0



#32

1,1,1-Trichloroethane

Concen: 46.887 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

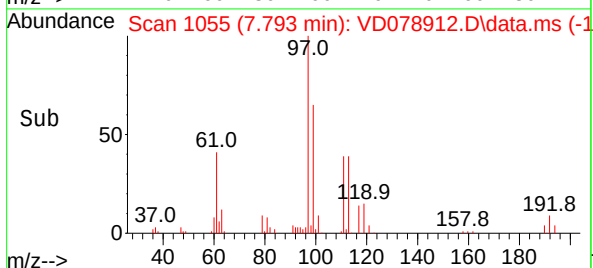
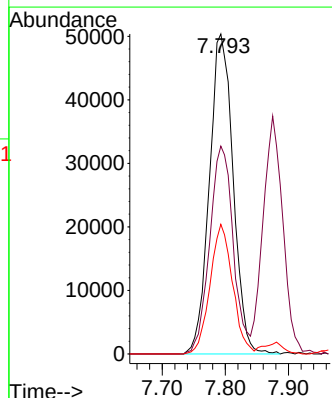
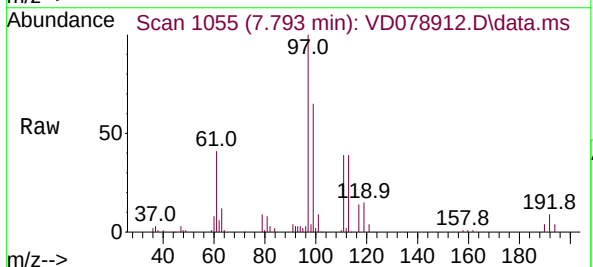
Tgt Ion: 97 Resp: 131653

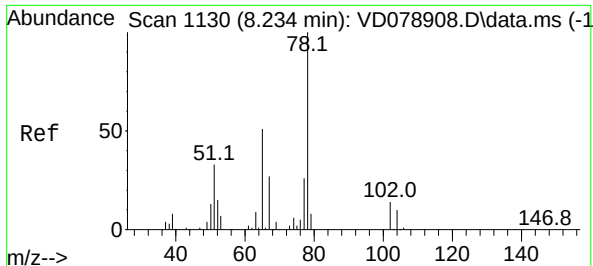
Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

61 38.4 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 39.026 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.005 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

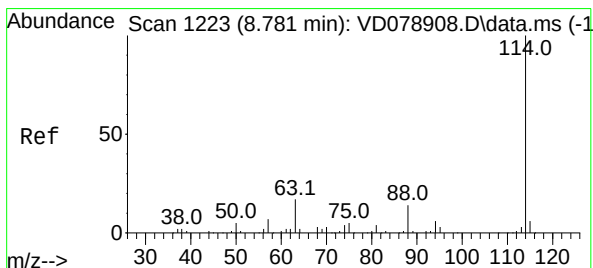
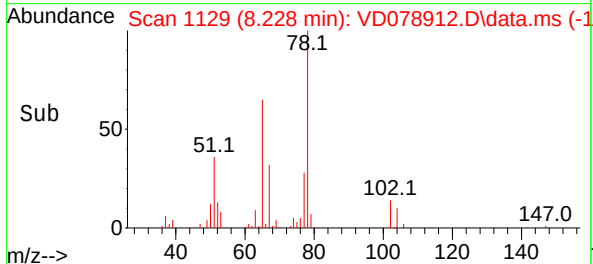
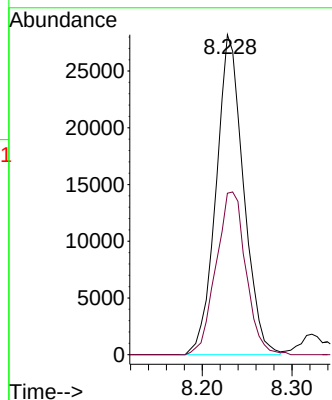
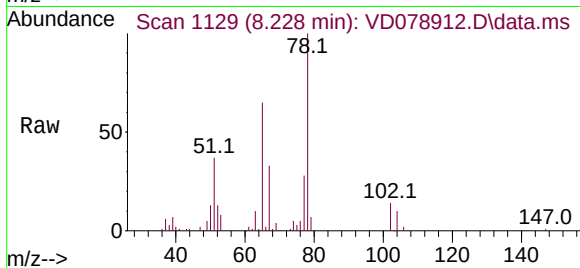
ClientSampleId :

Tgt Ion: 65 Resp: 59833

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

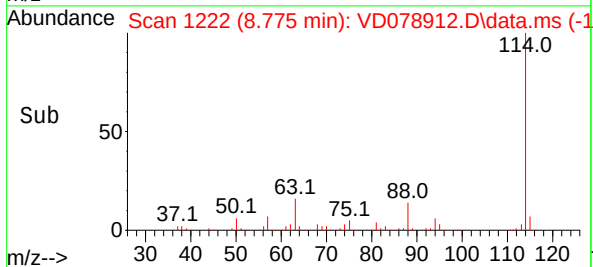
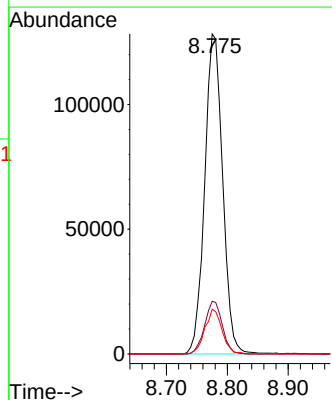
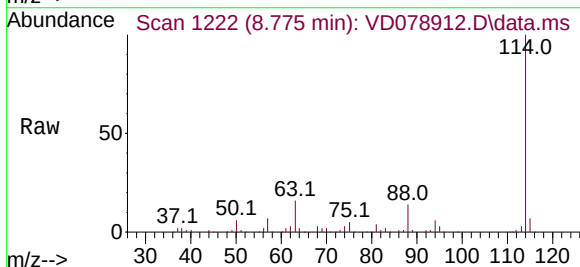
Tgt Ion: 114 Resp: 263084

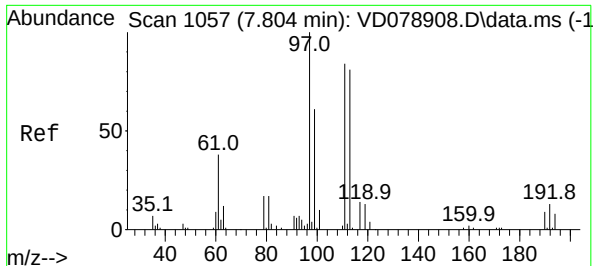
Ion Ratio Lower Upper

114 100

63 16.4 0.0 34.0

88 14.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 38.532 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

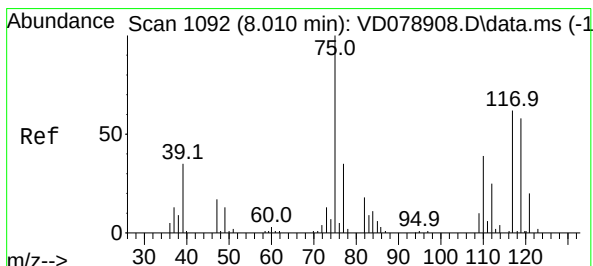
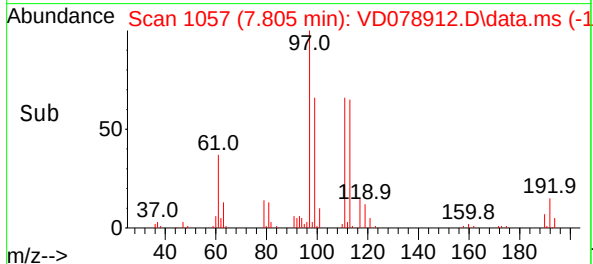
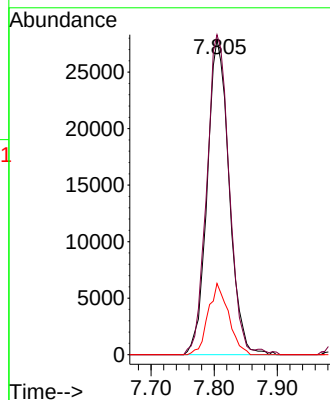
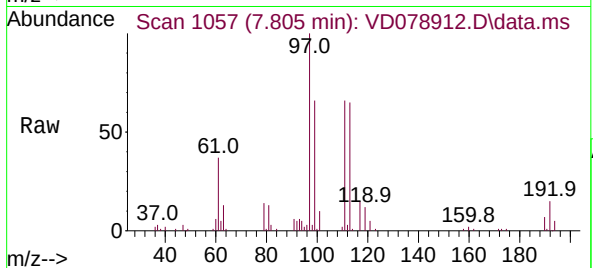
Tgt Ion:113 Resp: 67480

Ion Ratio Lower Upper

113 100

111 102.7 84.0 126.0

192 21.1 15.4 23.0



#36

1,1-Dichloropropene

Concen: 48.024 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

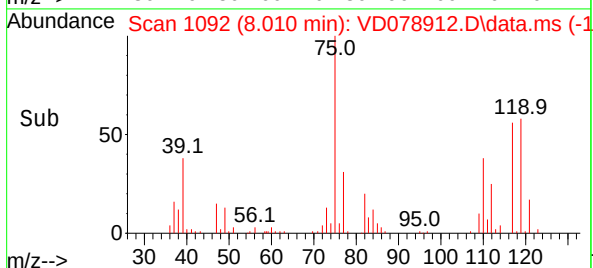
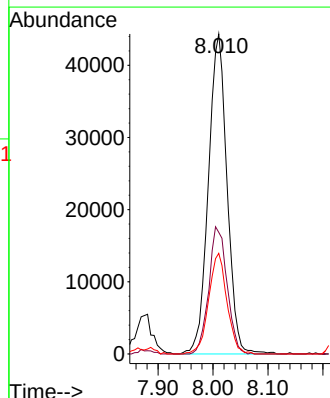
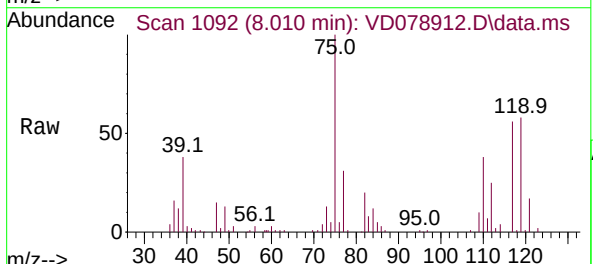
Tgt Ion: 75 Resp: 104658

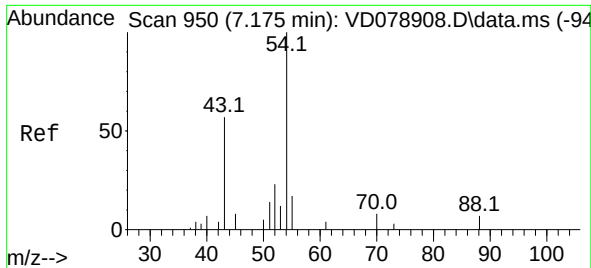
Ion Ratio Lower Upper

75 100

110 38.9 19.6 58.7

77 30.8 26.1 39.1





#37

Ethyl Acetate

Concen: 49.497 ug/l

RT: 7.169 min Scan# 949

Delta R.T. -0.006 min

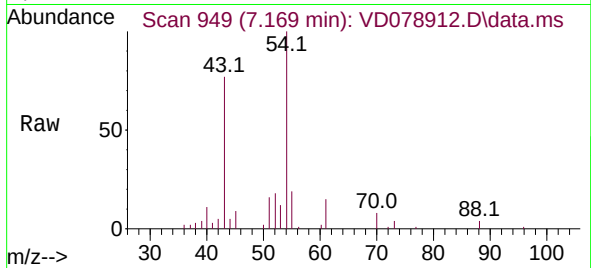
Lab File: VD078912.D

Acq: 13 May 2024 16:45

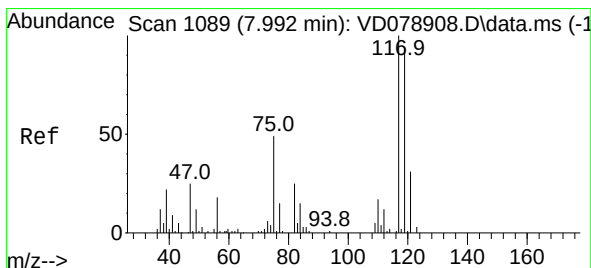
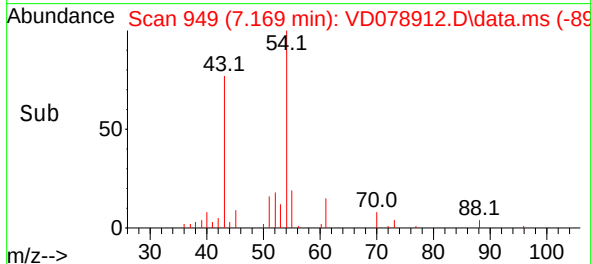
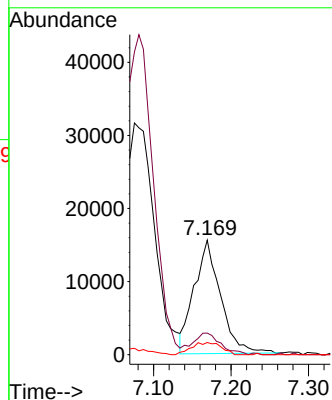
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	36761
Ion Ratio	Lower	Upper	
43	100		
61	17.9	13.9	20.9
70	12.1	9.8	14.6



#38

Carbon Tetrachloride

Concen: 46.923 ug/l

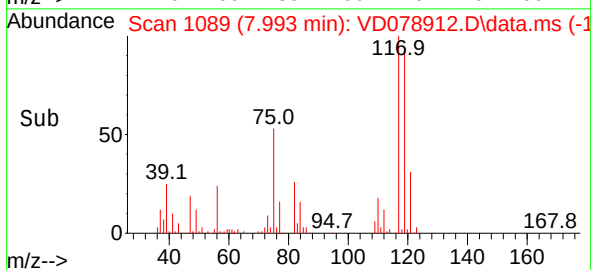
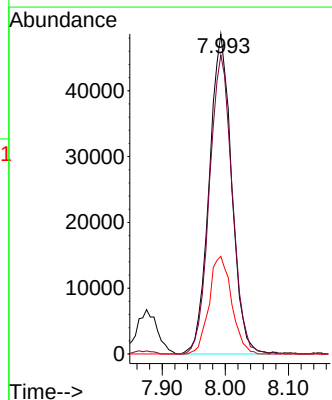
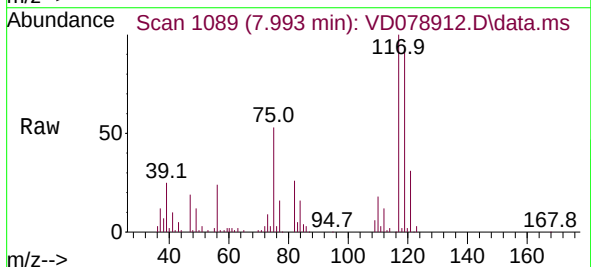
RT: 7.993 min Scan# 1089

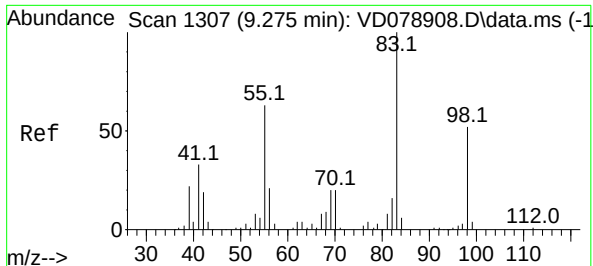
Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Tgt Ion:	117	Resp:	119669
Ion Ratio	Lower	Upper	
117	100		
119	93.5	75.4	113.0
121	30.5	25.0	37.4

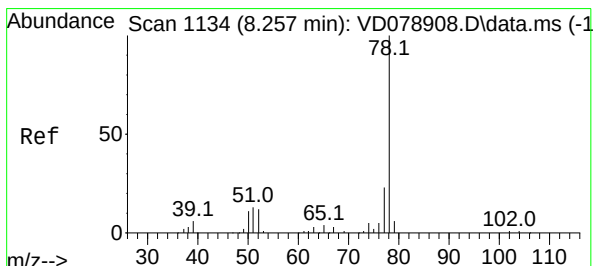
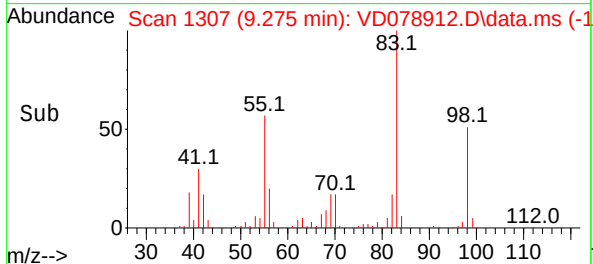
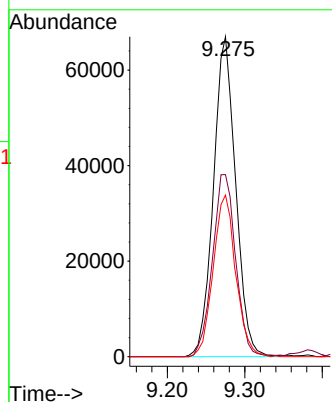
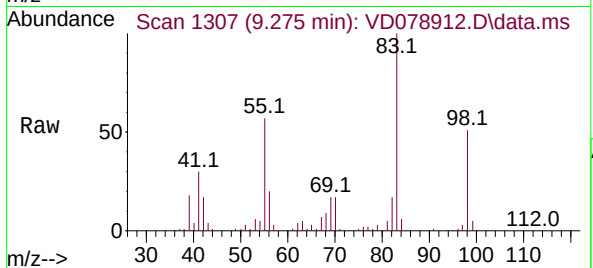




#39
Methylcyclohexane
Concen: 50.385 ug/l
RT: 9.275 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

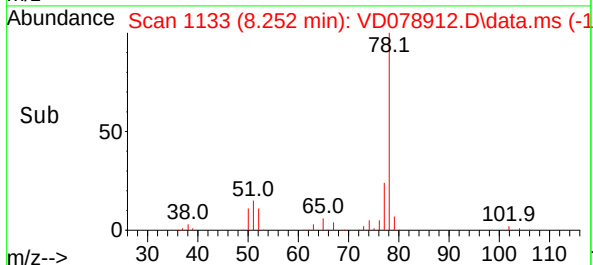
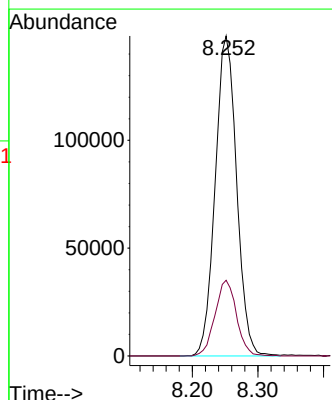
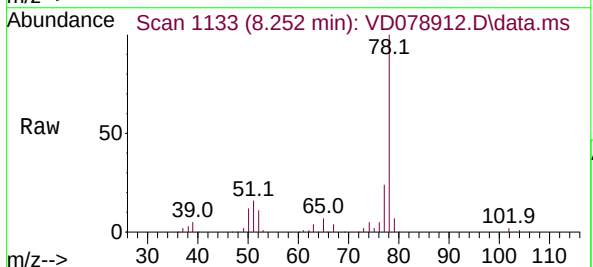
Instrument :
MSVOA_D
ClientSampleId :

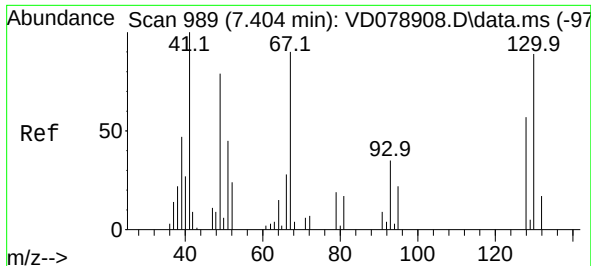
Tgt Ion: 83 Resp: 133414
Ion Ratio Lower Upper
83 100
55 56.9 50.1 75.1
98 50.5 41.9 62.9



#40
Benzene
Concen: 47.664 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

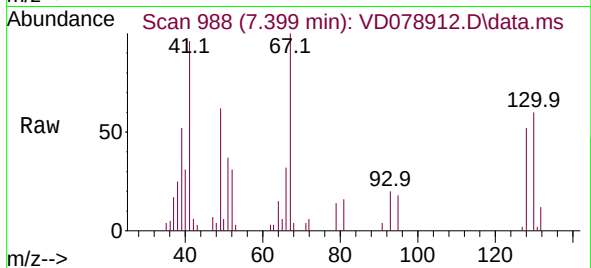
Tgt Ion: 78 Resp: 335965
Ion Ratio Lower Upper
78 100
77 23.6 18.1 27.1



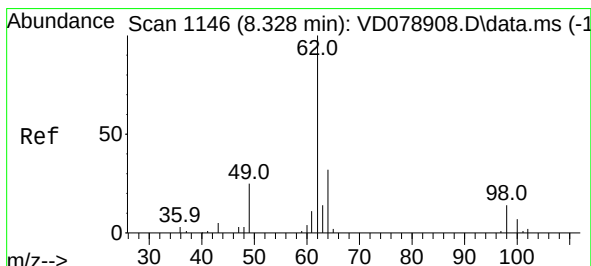
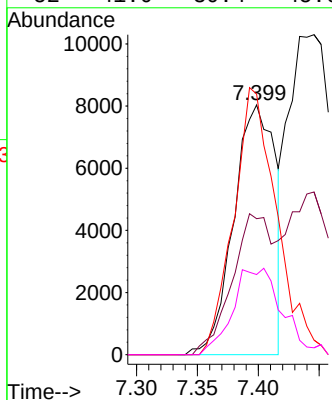
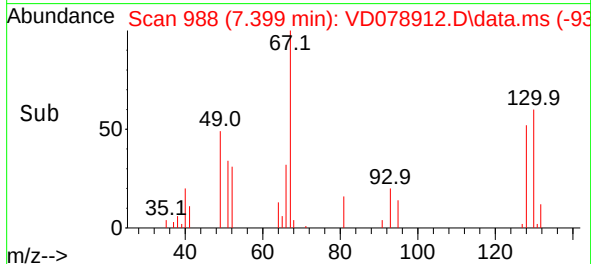


#41
Methacrylonitrile
Concen: 47.774 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Instrument :
MSVOA_D
ClientSampleId :

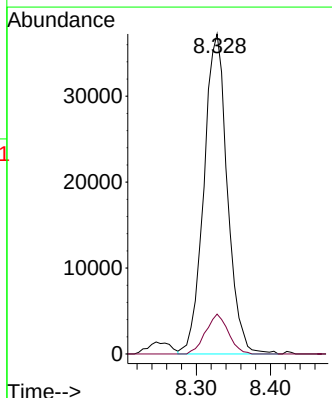
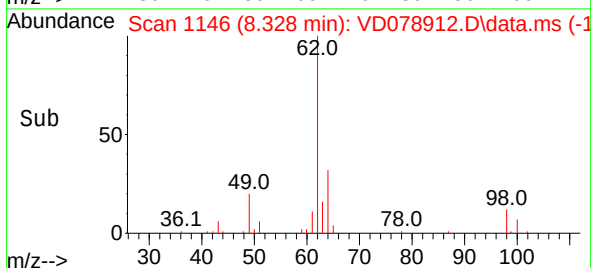
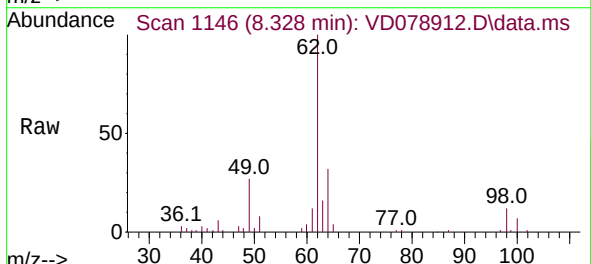


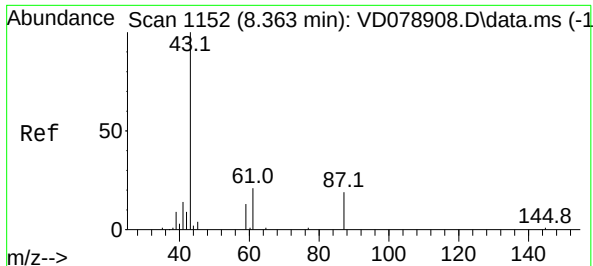
Tgt Ion: 41	Resp: 19092
Ion Ratio	Lower Upper
41 100	
39 51.6	41.4 62.0
67 110.4	85.8 128.6
52 41.0	30.4 45.6



#42
1,2-Dichloroethane
Concen: 48.037 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 62	Resp: 81956
Ion Ratio	Lower Upper
62 100	
98 12.0	0.0 25.8





#43

Isopropyl Acetate

Concen: 54.016 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. 0.000 min

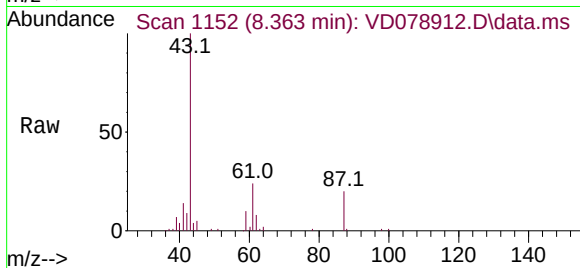
Lab File: VD078912.D

Acq: 13 May 2024 16:45

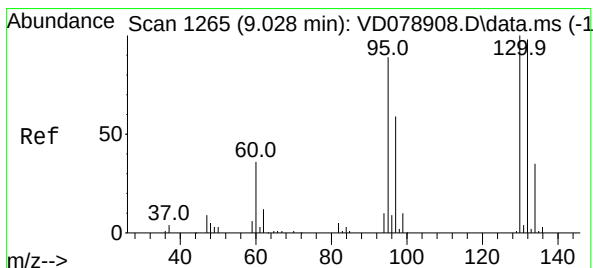
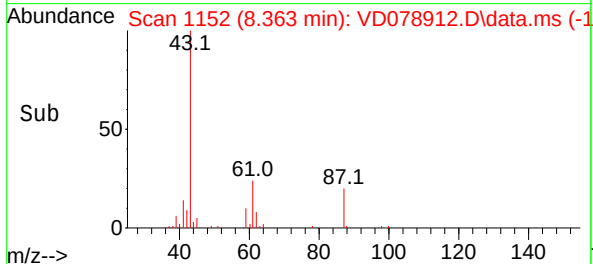
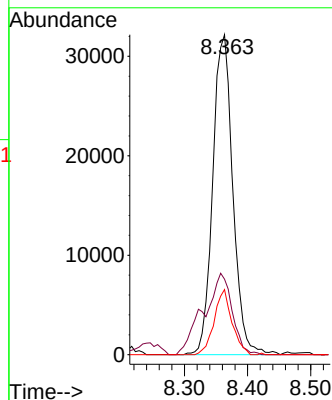
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	71182
Ion Ratio	Lower	Upper	
43	100		
61	36.2	29.3	43.9
87	18.0	14.9	22.3



#44

Trichloroethene

Concen: 48.158 ug/l

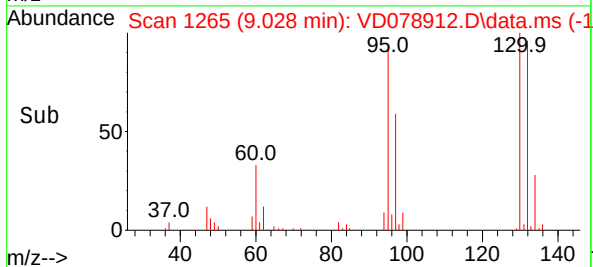
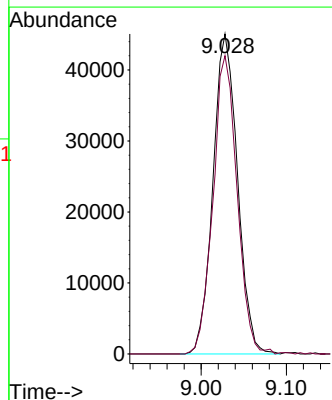
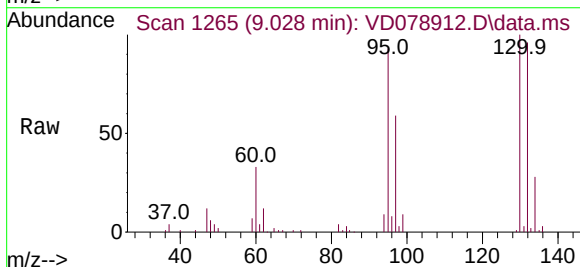
RT: 9.028 min Scan# 1265

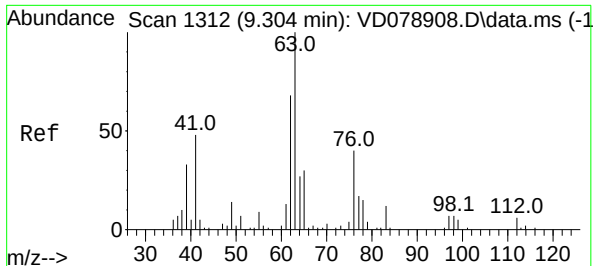
Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Tgt Ion:	130	Resp:	90036
Ion Ratio	Lower	Upper	
130	100		
95	93.2	0.0	177.8

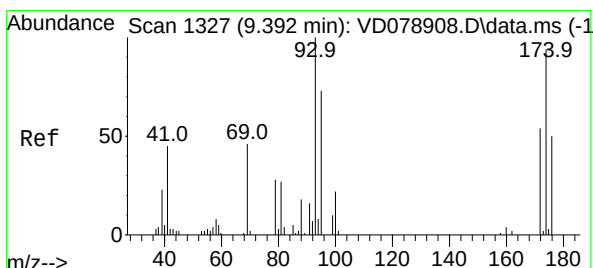
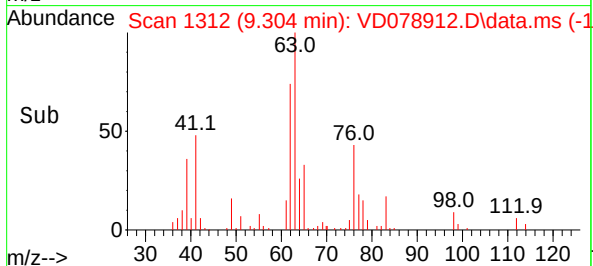
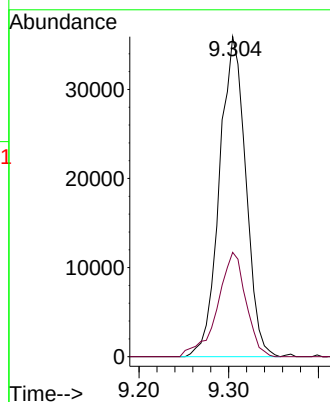
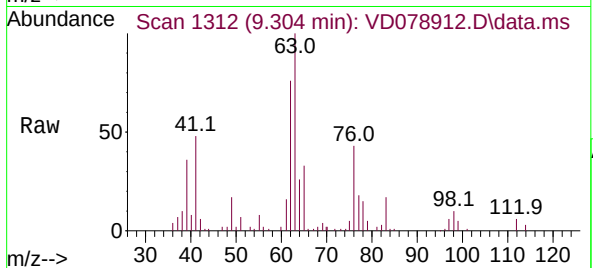




#45
1,2-Dichloropropane
Concen: 47.190 ug/l
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

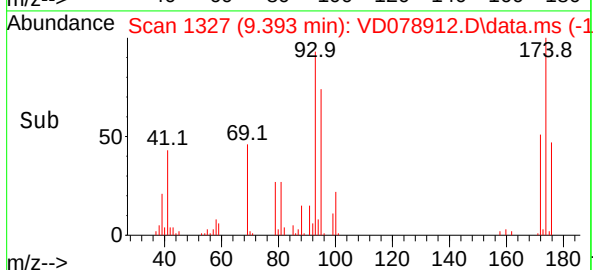
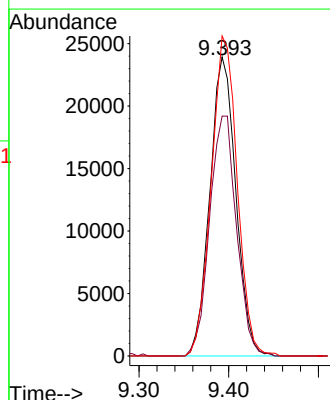
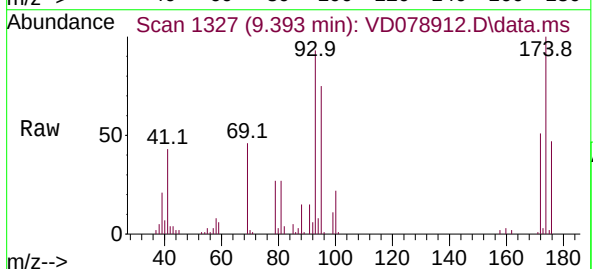
Instrument :
MSVOA_D
ClientSampleId :

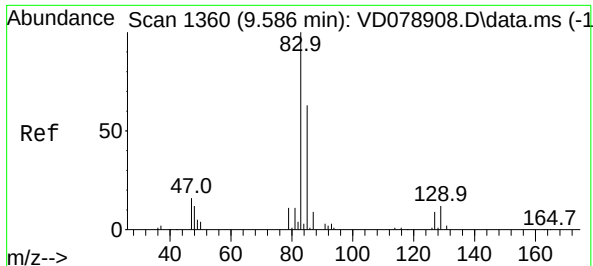
Tgt Ion: 63 Resp: 73094
Ion Ratio Lower Upper
63 100
65 32.6 23.8 35.8



#46
Dibromomethane
Concen: 47.190 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 93 Resp: 48119
Ion Ratio Lower Upper
93 100
95 83.2 65.6 98.4
174 107.0 82.3 123.5





#47

Bromodichloromethane

Concen: 47.853 ug/l

RT: 9.587 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

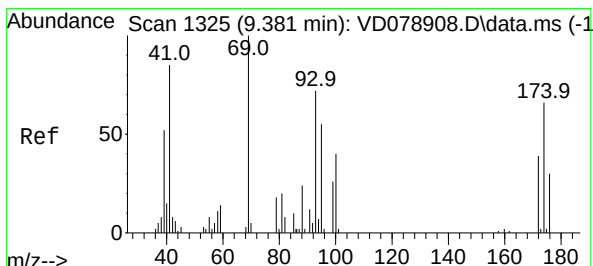
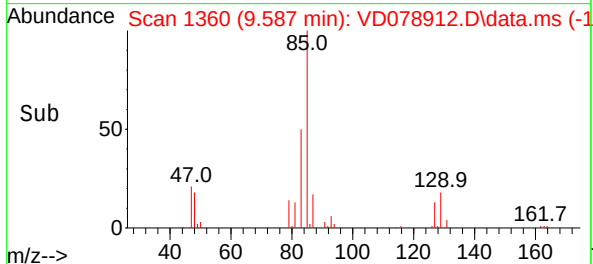
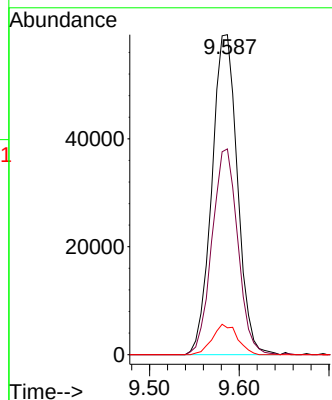
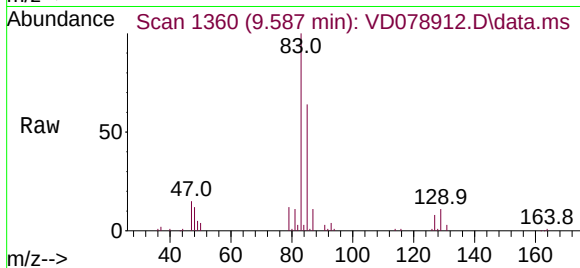
Tgt Ion: 83 Resp: 117457

Ion Ratio Lower Upper

83 100

85 64.3 50.1 75.1

127 8.4 6.8 10.2



#48

Methyl methacrylate

Concen: 52.346 ug/l

RT: 9.375 min Scan# 1324

Delta R.T. -0.006 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

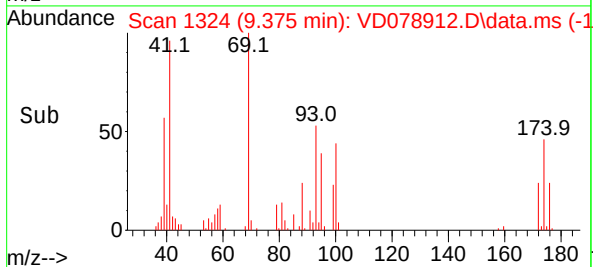
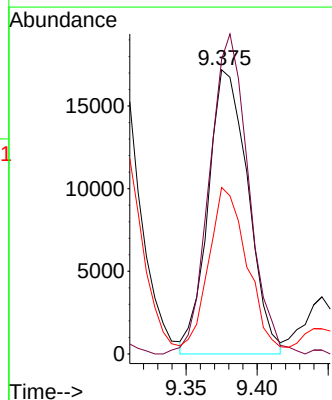
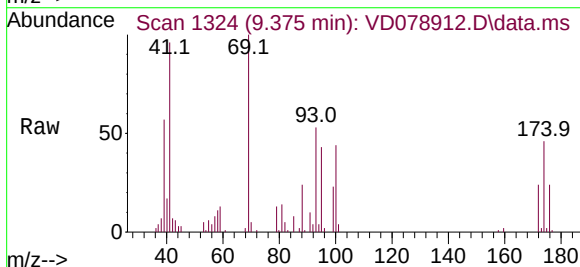
Tgt Ion: 41 Resp: 33581

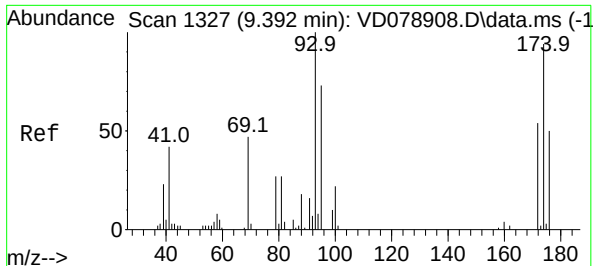
Ion Ratio Lower Upper

41 100

69 110.4 96.7 145.1

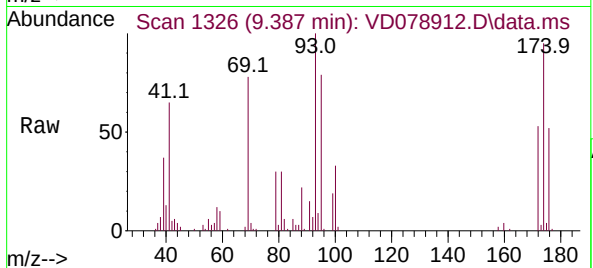
39 53.3 43.8 65.6



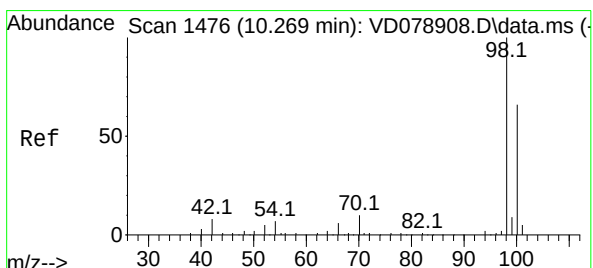
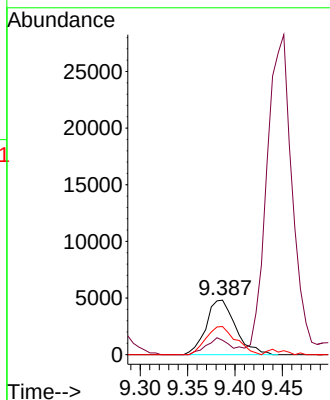
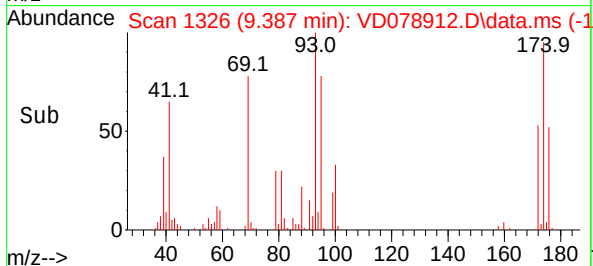


#49
1,4-Dioxane
Concen: 1161.940 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. -0.006 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Instrument :
MSVOA_D
ClientSampleId :

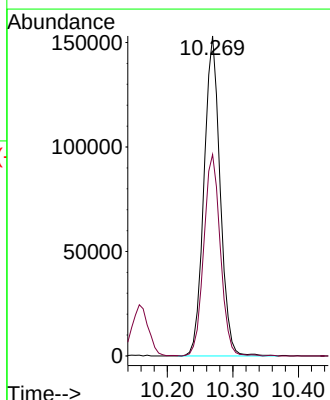
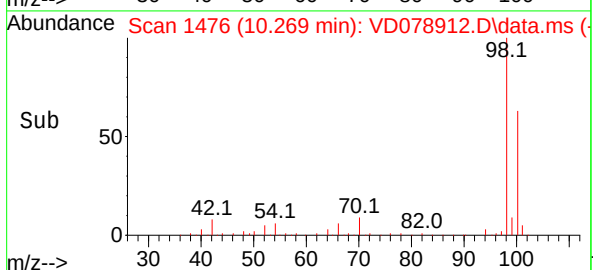
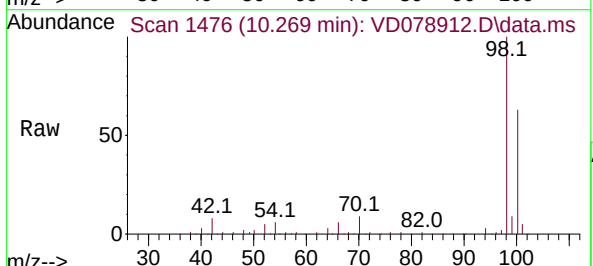


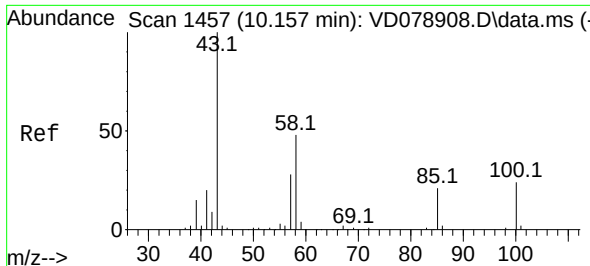
Tgt Ion: 88 Resp: 10422
Ion Ratio Lower Upper
88 100
43 27.4 21.5 32.3
58 51.7 42.2 63.4



#50
Toluene-d8
Concen: 39.909 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 98 Resp: 262009
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 265.159 ug/l

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

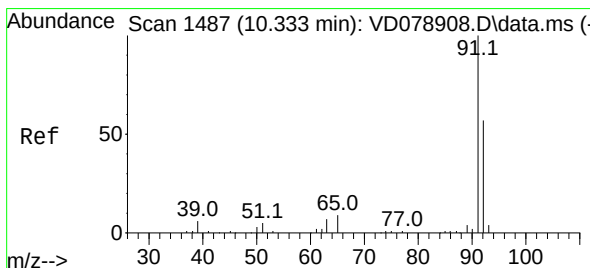
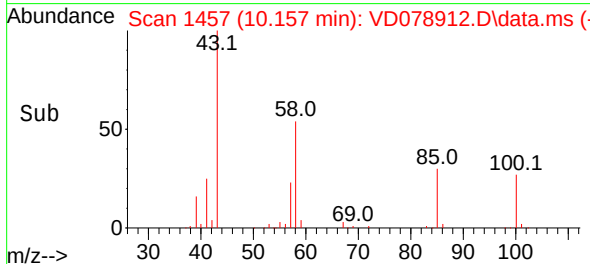
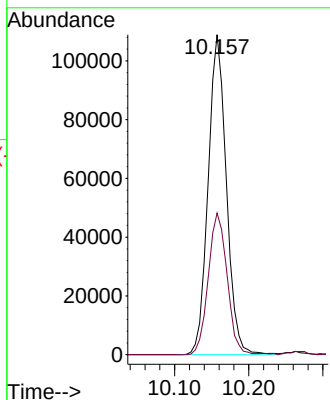
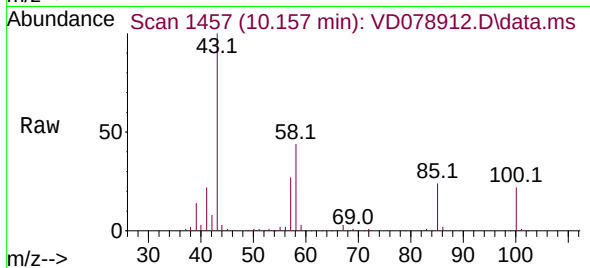
ClientSampleId :

Tgt Ion: 43 Resp: 186118

Ion Ratio Lower Upper

43 100

58 45.7 36.6 55.0



#52

Toluene

Concen: 48.474 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078912.D

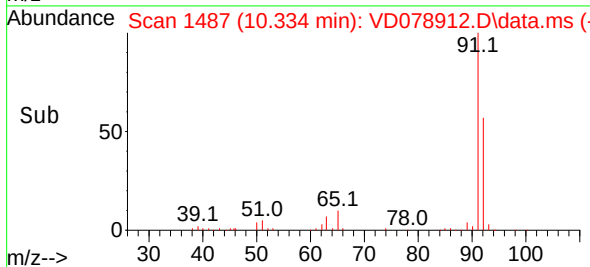
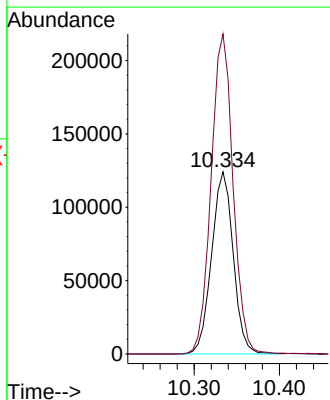
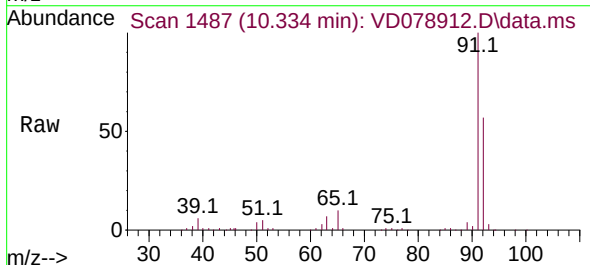
Acq: 13 May 2024 16:45

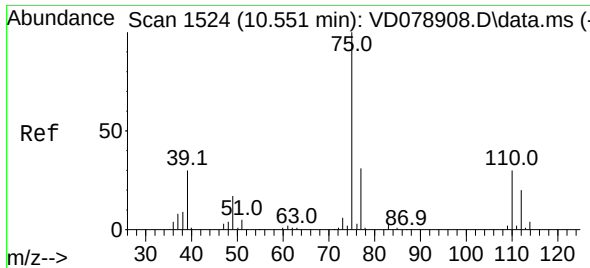
Tgt Ion: 92 Resp: 218711

Ion Ratio Lower Upper

92 100

91 178.5 141.7 212.5





#53

t-1,3-Dichloropropene

Concen: 51.116 ug/l

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

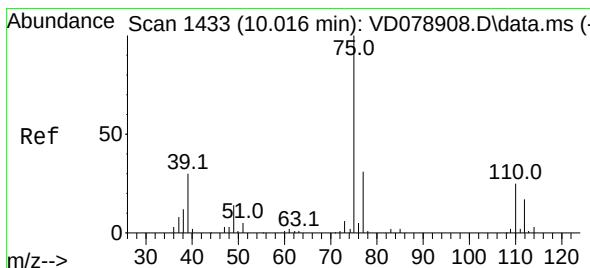
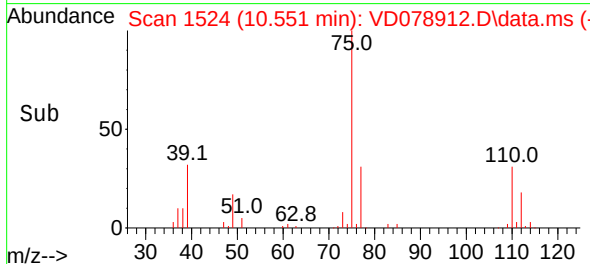
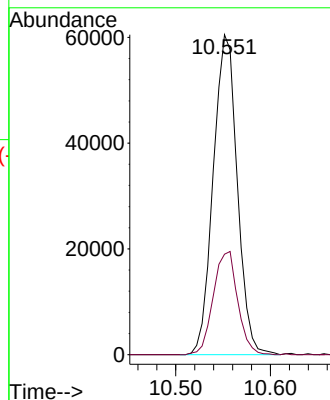
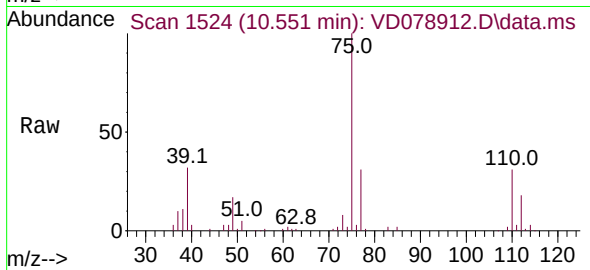
ClientSampleId :

Tgt Ion: 75 Resp: 106615

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 50.541 ug/l

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

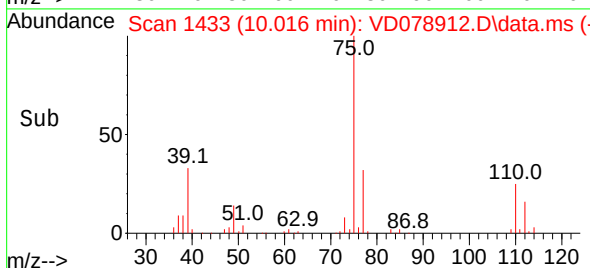
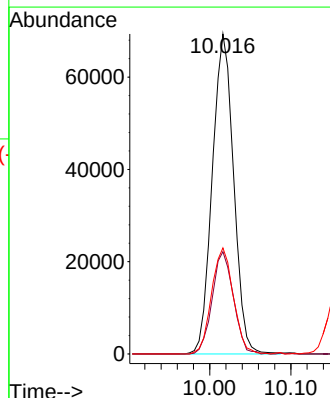
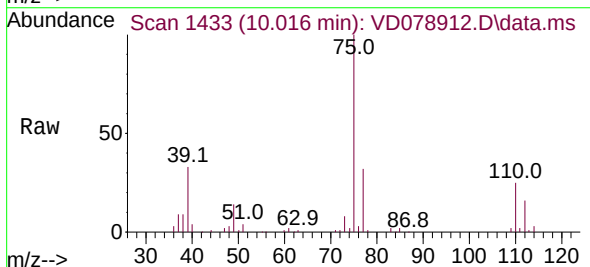
Tgt Ion: 75 Resp: 126526

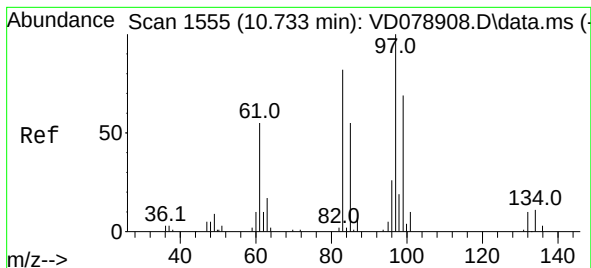
Ion Ratio Lower Upper

75 100

77 32.0 24.4 36.6

39 33.2 24.2 36.2





#55

1,1,2-Trichloroethane

Concen: 49.886 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 65719

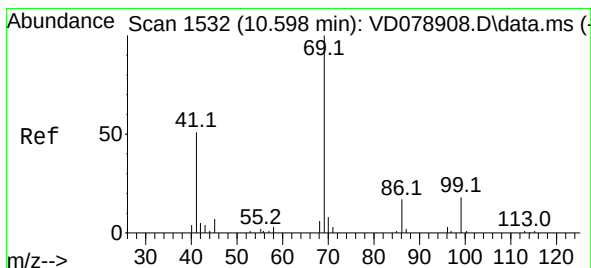
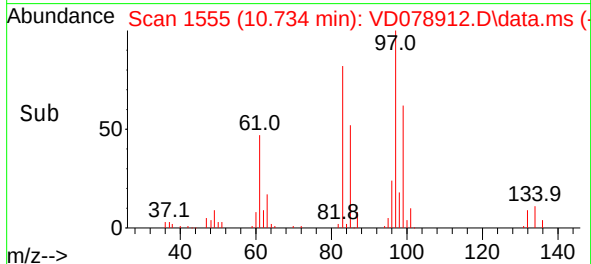
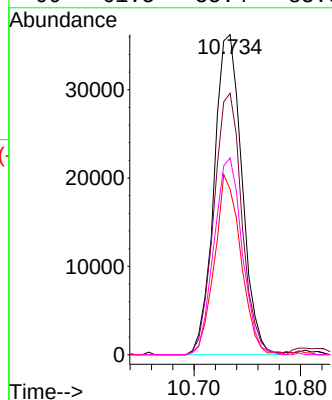
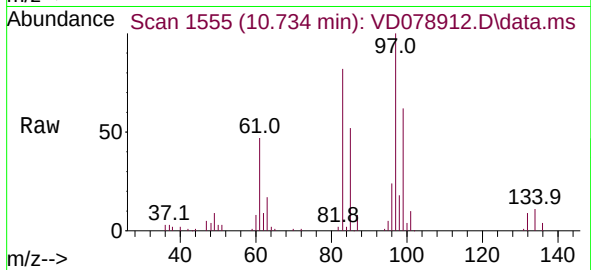
Ion Ratio Lower Upper

97 100

83 81.7 65.8 98.8

85 51.7 43.8 65.8

99 61.5 55.4 83.0



#56

Ethyl methacrylate

Concen: 55.443 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

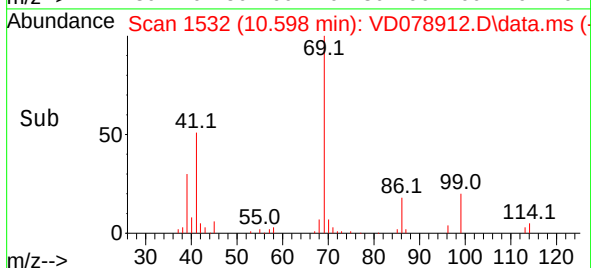
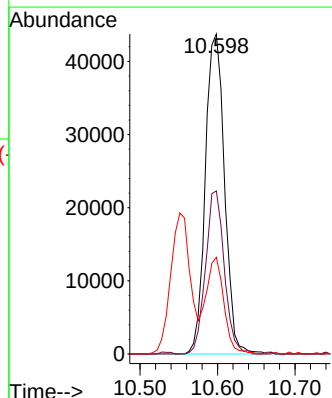
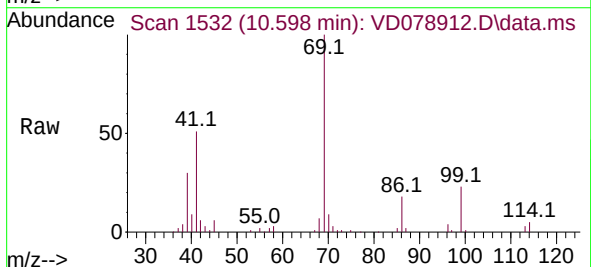
Tgt Ion: 69 Resp: 75146

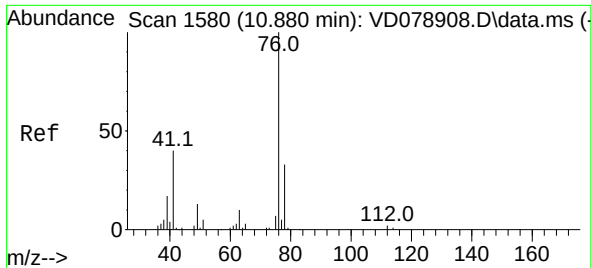
Ion Ratio Lower Upper

69 100

41 50.0 39.8 59.6

39 28.4 20.2 30.4





#57

1,3-Dichloropropane

Concen: 49.441 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

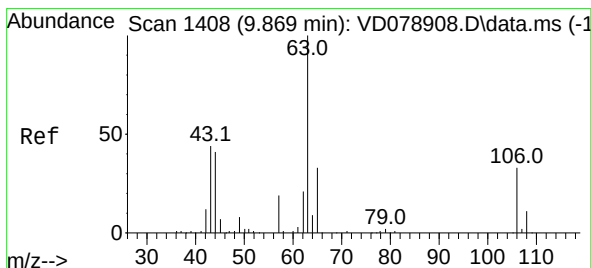
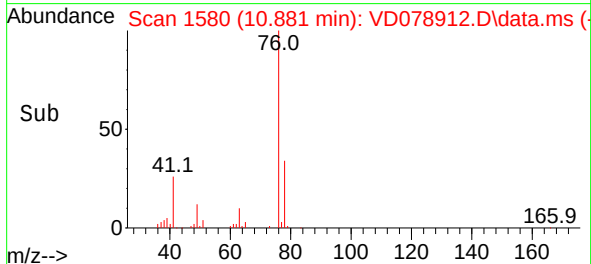
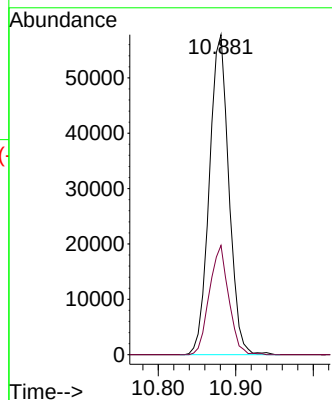
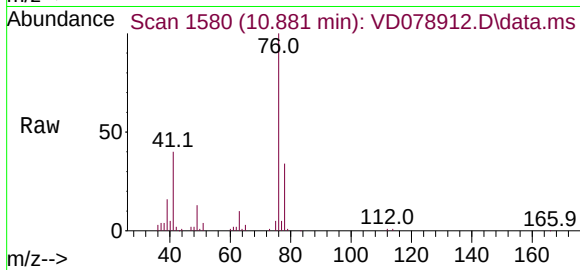
ClientSampleId :

Tgt Ion: 76 Resp: 101420

Ion Ratio Lower Upper

76 100

78 33.8 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 232.152 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078912.D

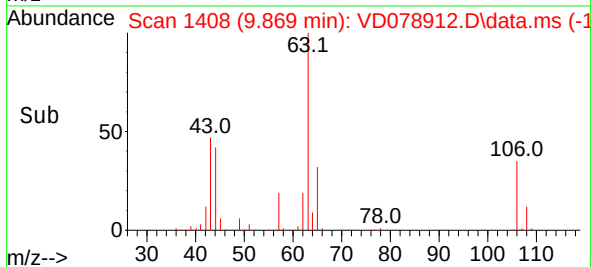
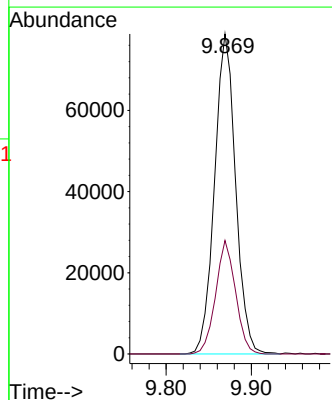
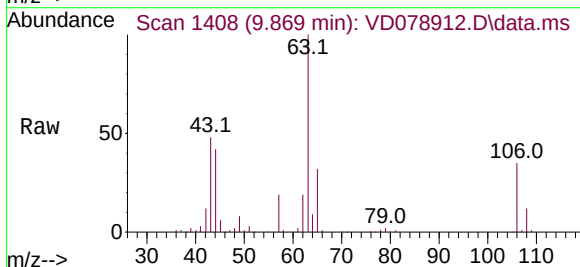
Acq: 13 May 2024 16:45

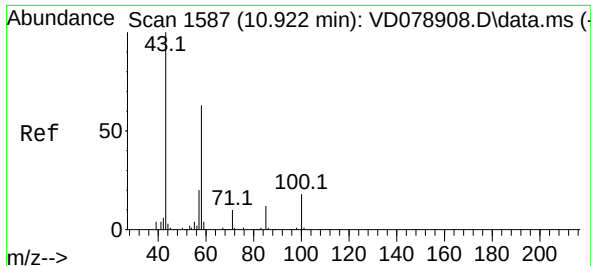
Tgt Ion: 63 Resp: 135197

Ion Ratio Lower Upper

63 100

106 33.5 26.4 39.6

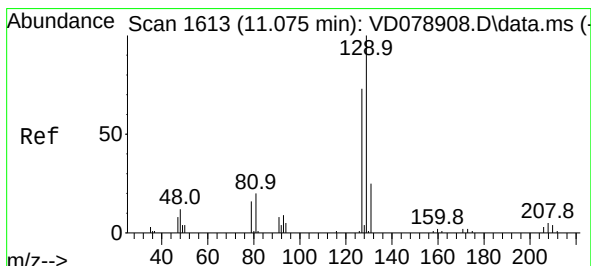
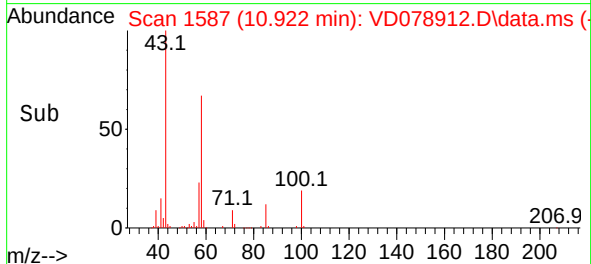
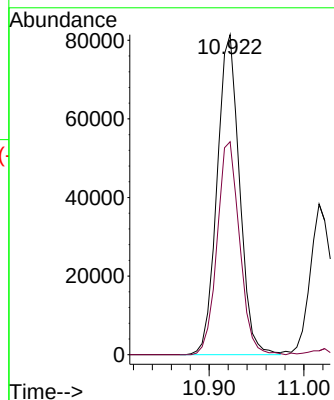
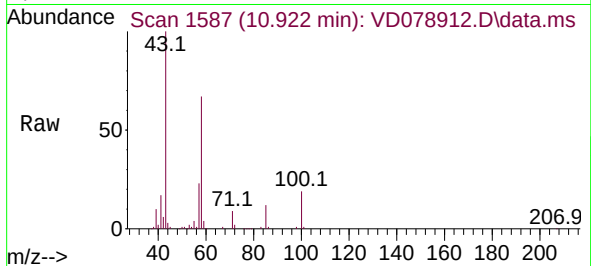




#59
2-Hexanone
Concen: 274.299 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

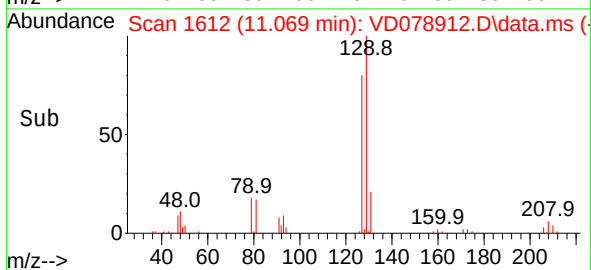
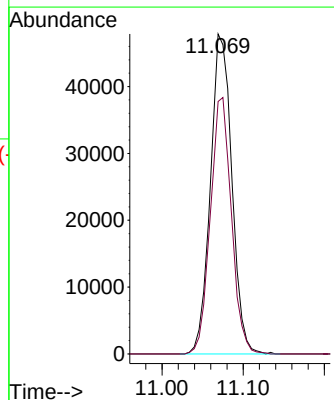
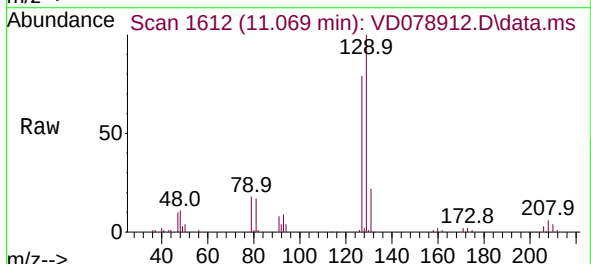
Instrument :
MSVOA_D
ClientSampleId :

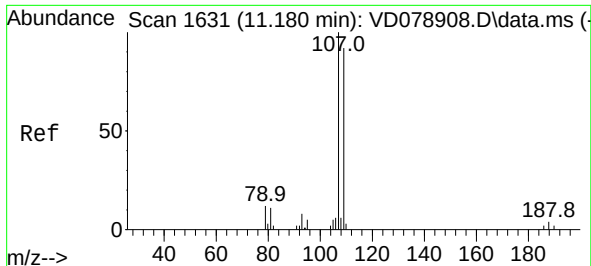
Tgt Ion: 43 Resp: 134012
Ion Ratio Lower Upper
43 100
58 66.5 31.1 93.5



#60
Dibromochloromethane
Concen: 48.834 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion:129 Resp: 87698
Ion Ratio Lower Upper
129 100
127 78.6 38.0 113.9

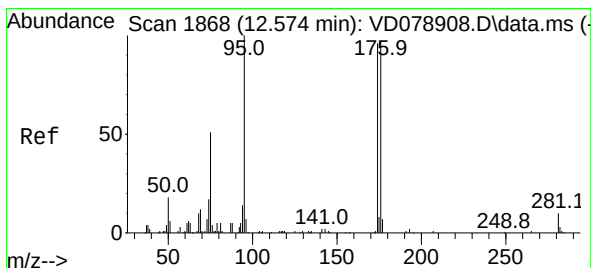
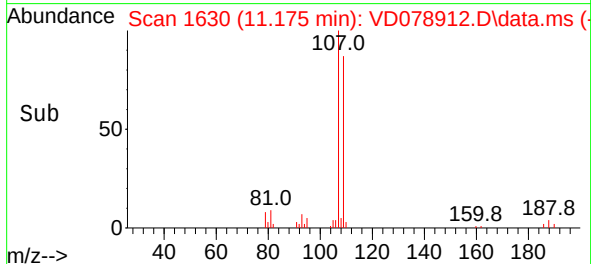
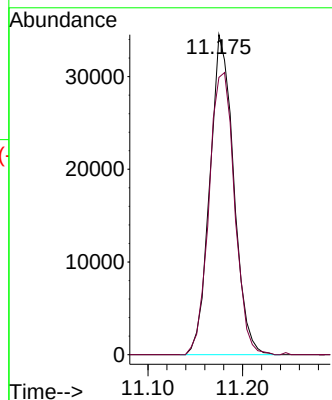
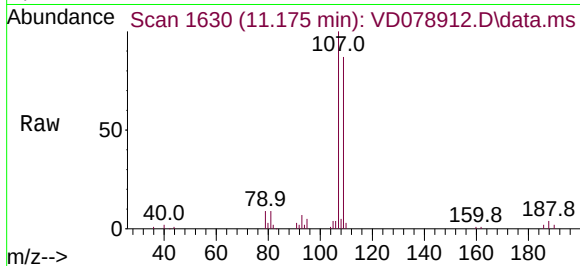




#61
1,2-Dibromoethane
Concen: 50.216 ug/l
RT: 11.175 min Scan# 1
Delta R.T. -0.005 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

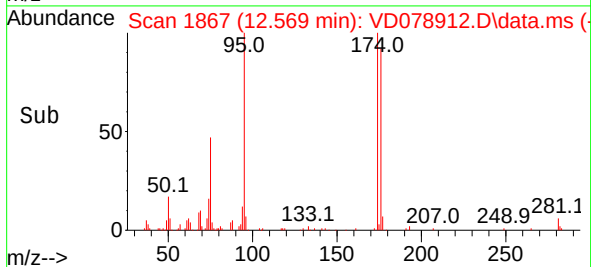
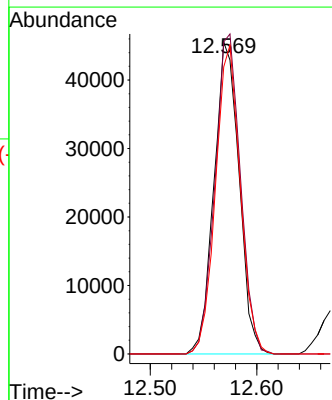
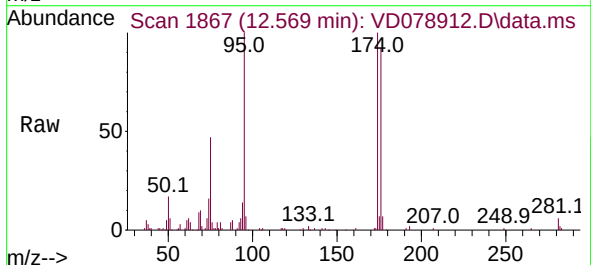
Instrument :
MSVOA_D
ClientSampleId :

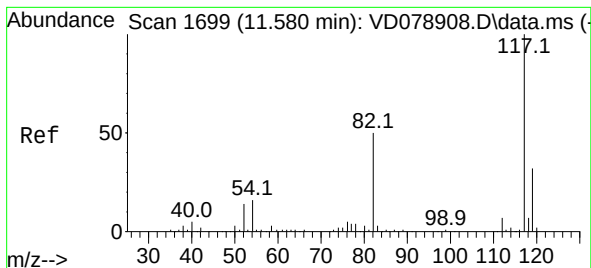
Tgt Ion:107 Resp: 60317
Ion Ratio Lower Upper
107 100
109 94.6 72.0 108.0



#62
4-Bromofluorobenzene
Concen: 40.369 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 95 Resp: 74454
Ion Ratio Lower Upper
95 100
174 103.9 0.0 195.4
176 97.4 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

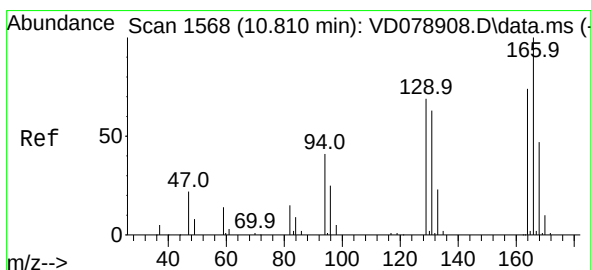
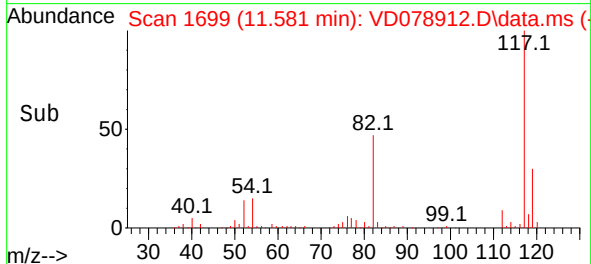
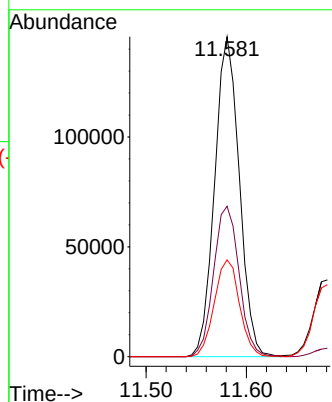
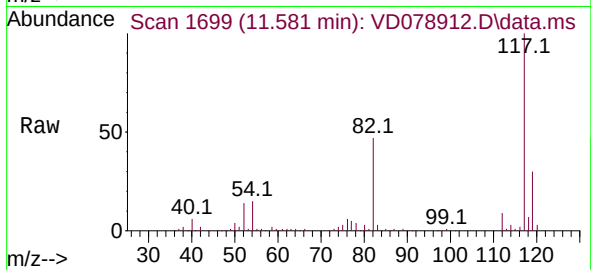
Tgt Ion:117 Resp: 248938

Ion Ratio Lower Upper

117 100

82 47.0 39.8 59.6

119 30.3 25.7 38.5



#64

Tetrachloroethene

Concen: 48.499 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Tgt Ion:164 Resp: 76598

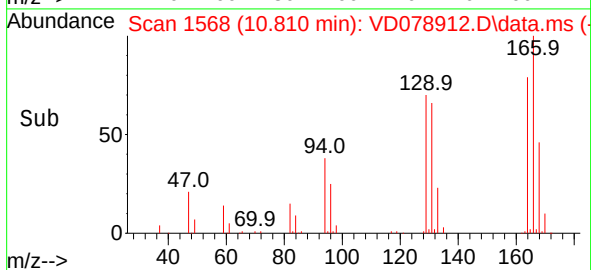
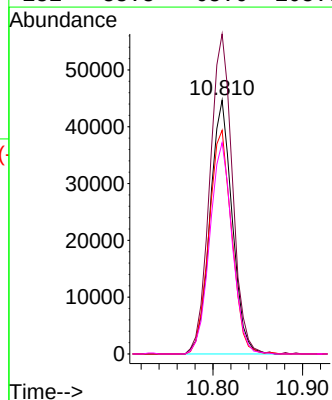
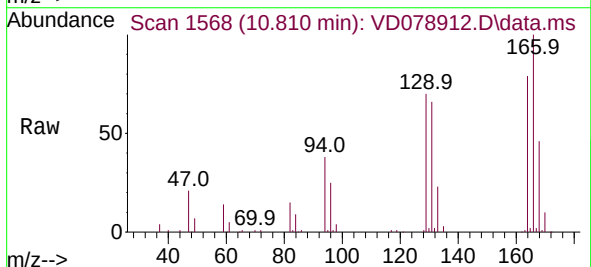
Ion Ratio Lower Upper

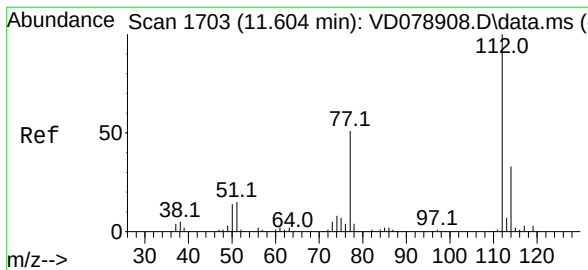
164 100

166 126.1 108.6 163.0

129 88.1 74.6 112.0

131 83.3 68.6 103.0

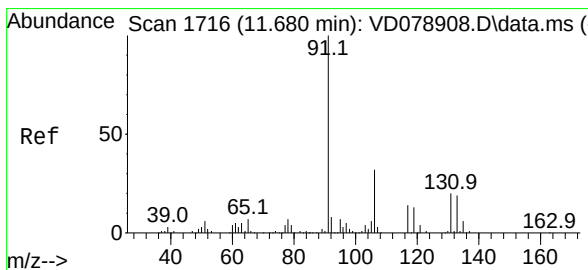
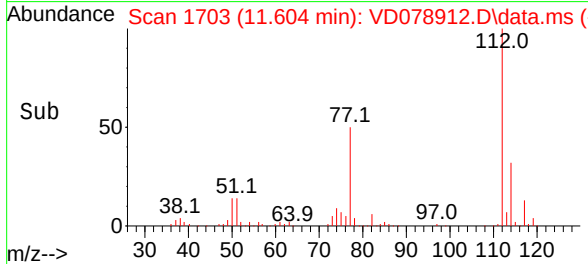
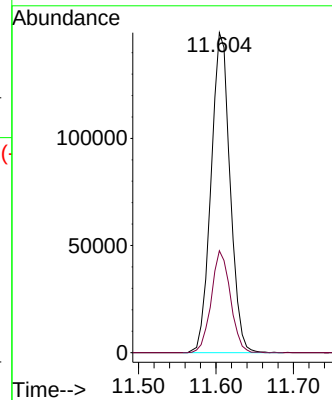
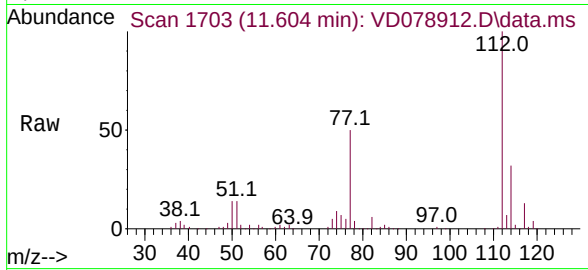




#65
Chlorobenzene
Concen: 49.064 ug/l
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

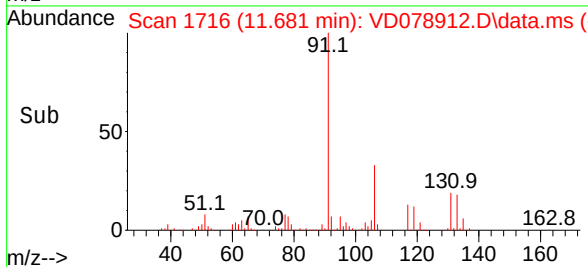
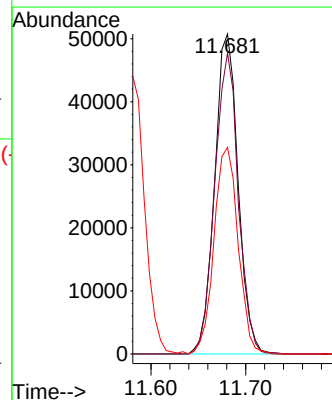
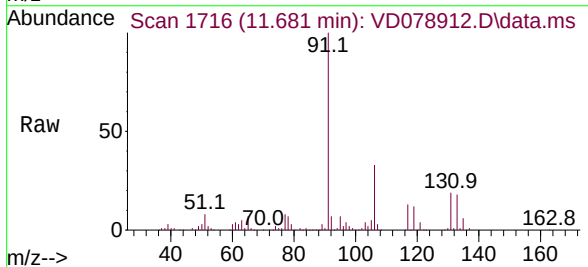
Instrument :
MSVOA_D
ClientSampleId :

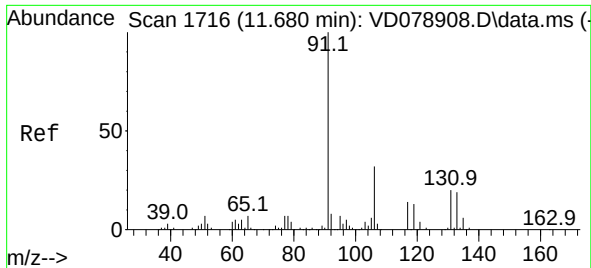
Tgt Ion:112 Resp: 254056
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.702 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion:131 Resp: 87182
Ion Ratio Lower Upper
131 100
133 94.7 49.2 147.6
119 66.4 33.4 100.2





#67

Ethyl Benzene

Concen: 49.676 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

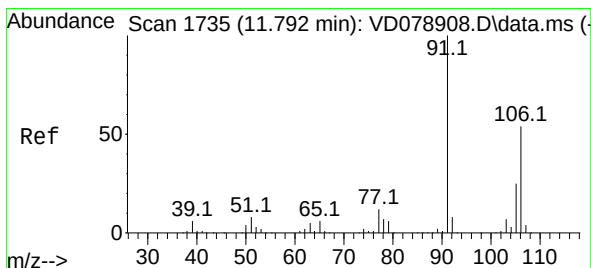
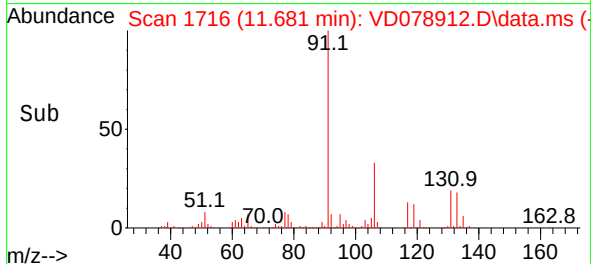
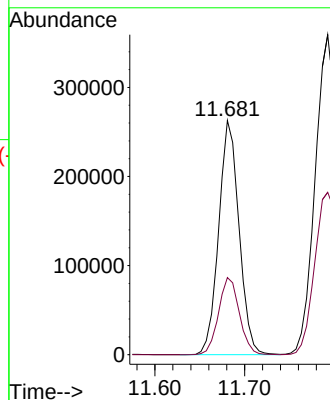
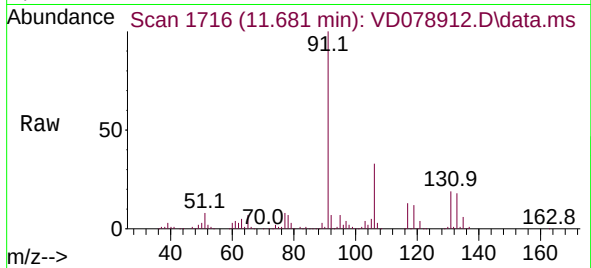
ClientSampleId :

Tgt Ion: 91 Resp: 413733

Ion Ratio Lower Upper

91 100

106 32.9 25.8 38.6



#68

m/p-Xylenes

Concen: 101.997 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078912.D

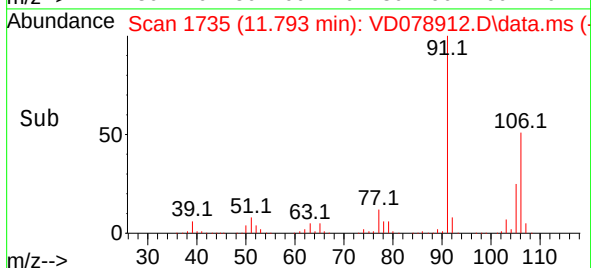
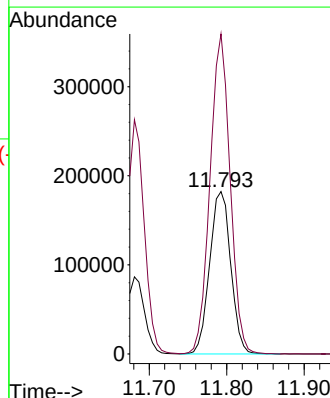
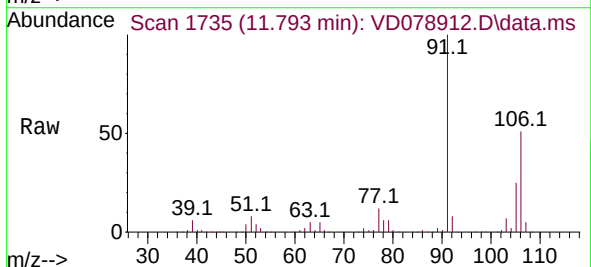
Acq: 13 May 2024 16:45

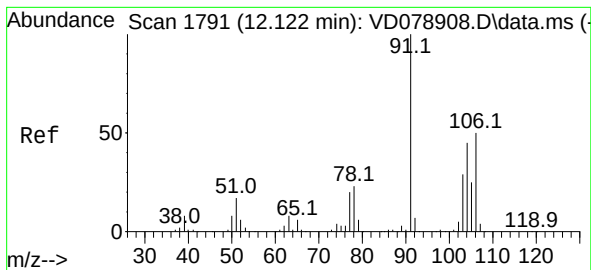
Tgt Ion:106 Resp: 345375

Ion Ratio Lower Upper

106 100

91 188.2 148.5 222.7

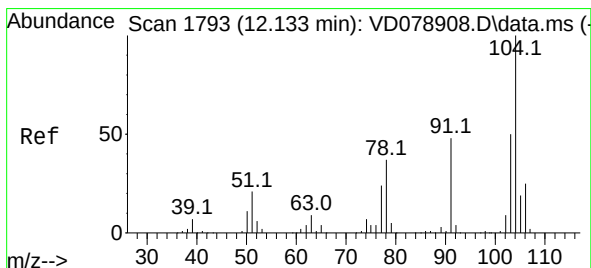
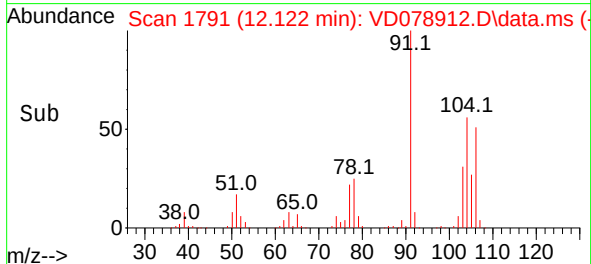
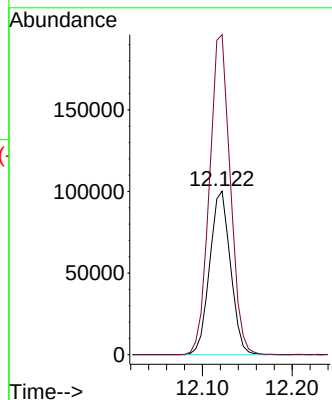
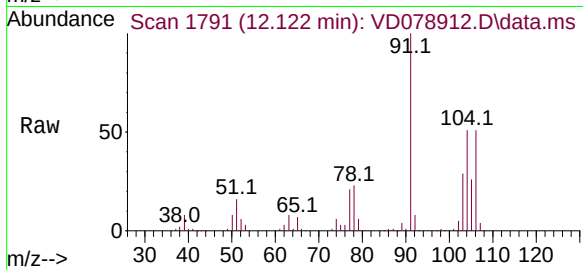




#69
o-Xylene
Concen: 52.169 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

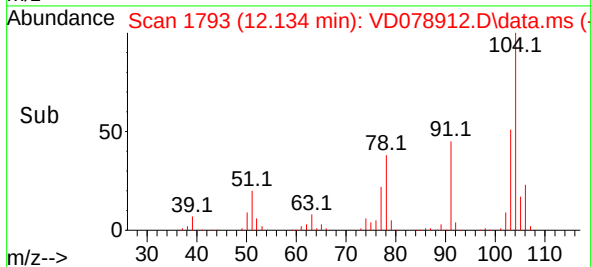
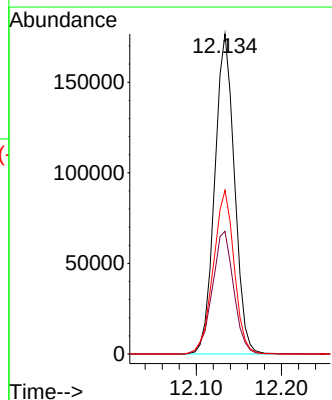
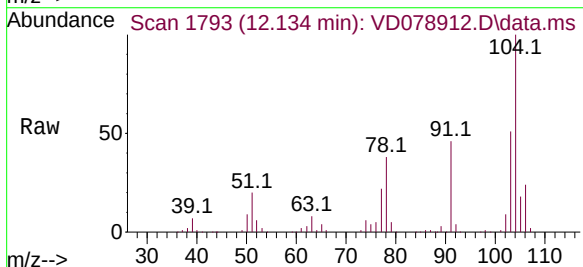
Instrument :
MSVOA_D
ClientSampleId :

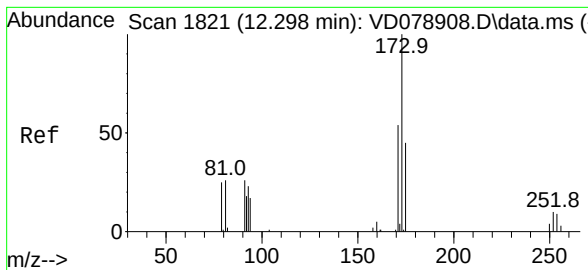
Tgt Ion:106 Resp: 161047
Ion Ratio Lower Upper
106 100
91 196.5 96.7 290.1



#70
Styrene
Concen: 51.922 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion:104 Resp: 284073
Ion Ratio Lower Upper
104 100
78 41.6 33.0 49.6
103 53.8 44.2 66.4

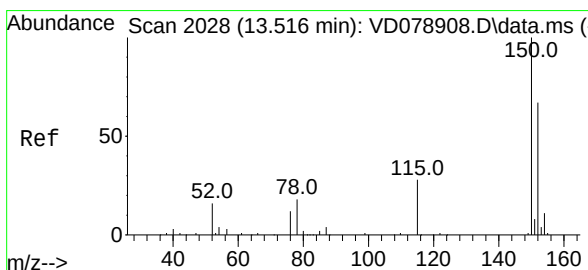
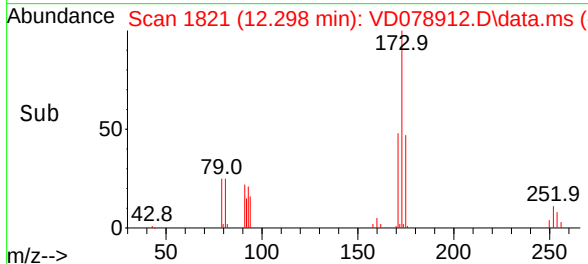
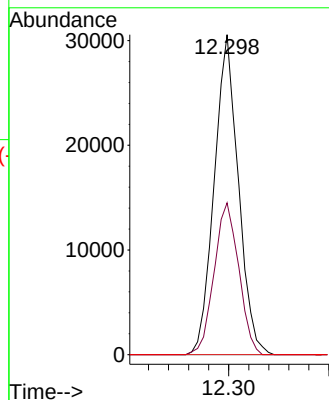
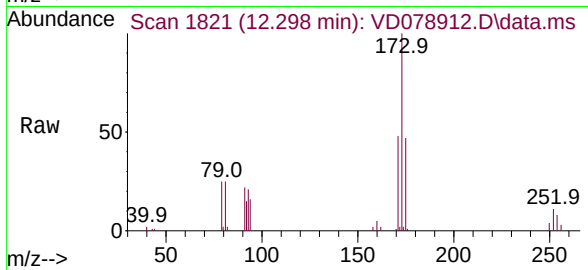




#71
Bromoform
Concen: 49.716 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

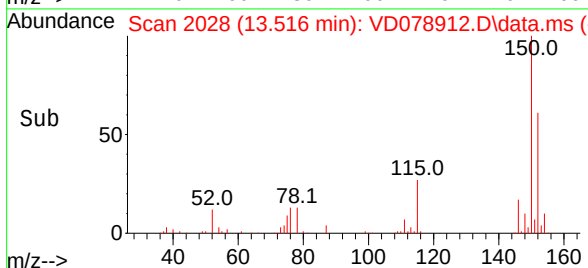
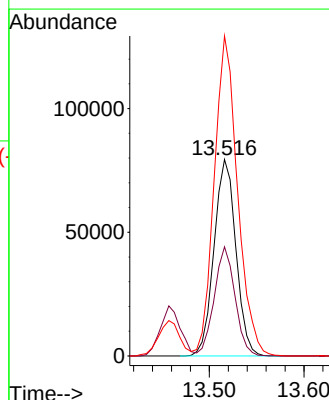
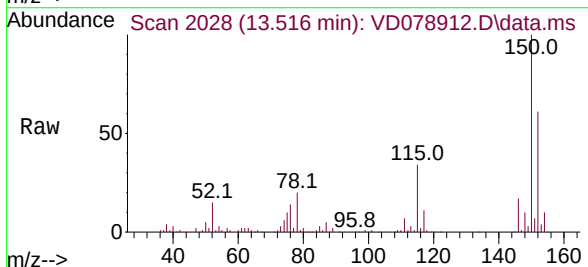
Instrument :
MSVOA_D
ClientSampleId :

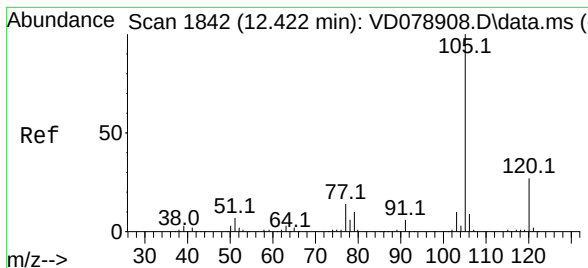
Tgt Ion:173 Resp: 50980
Ion Ratio Lower Upper
173 100
175 48.4 23.7 71.1
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion:152 Resp: 127406
Ion Ratio Lower Upper
152 100
115 52.6 26.5 79.5
150 173.8 0.0 341.6





#73

Isopropylbenzene

Concen: 52.555 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

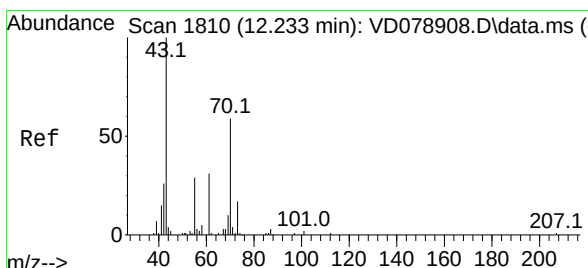
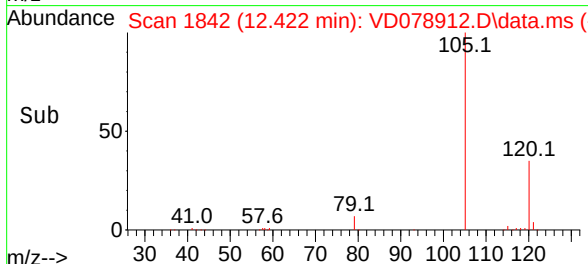
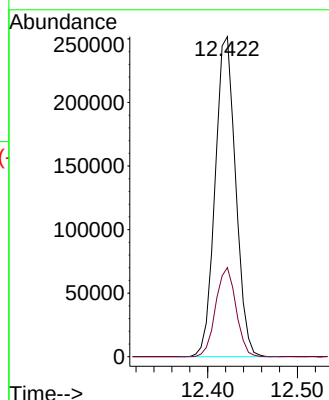
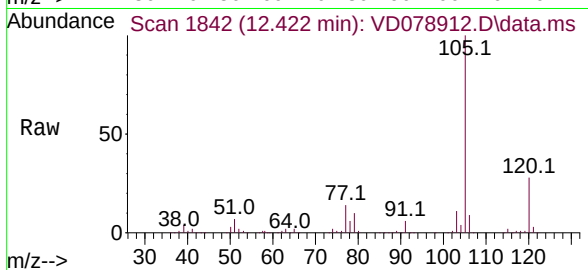
ClientSampleId :

Tgt Ion:105 Resp: 399644

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7



#74

N-amyl acetate

Concen: 54.575 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Tgt Ion: 43 Resp: 67338

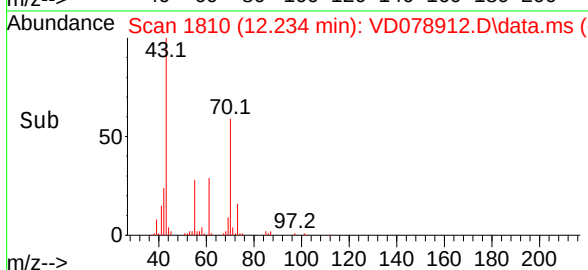
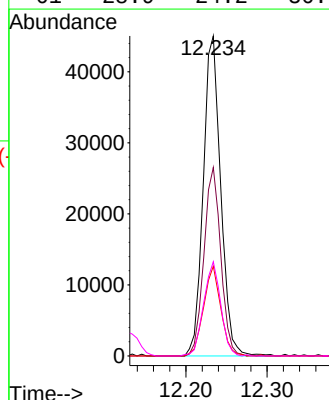
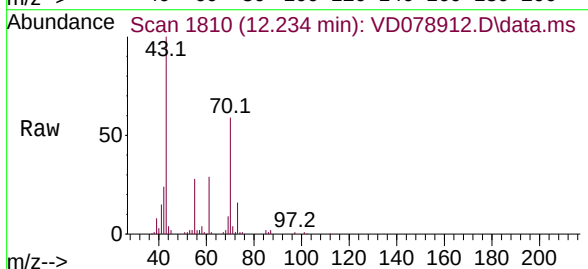
Ion Ratio Lower Upper

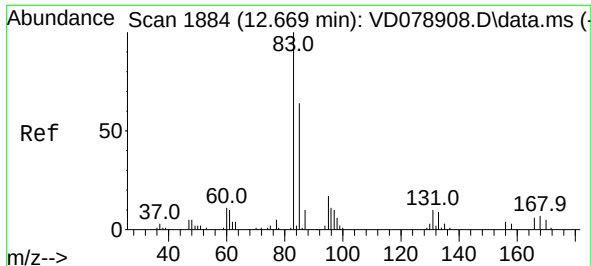
43 100

70 56.6 44.3 66.5

55 27.6 23.2 34.8

61 28.9 24.2 36.4

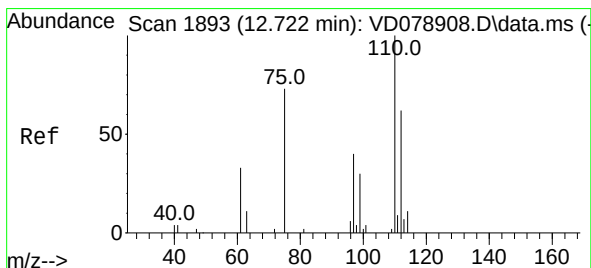
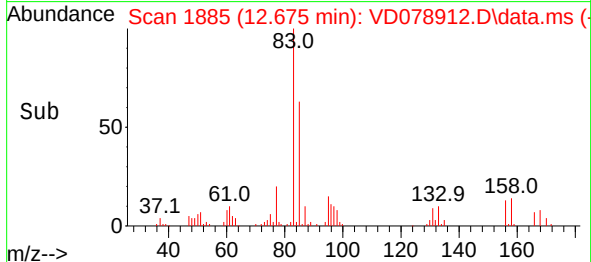
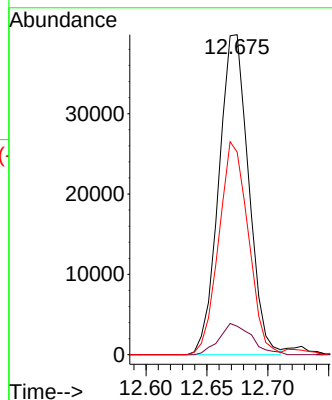
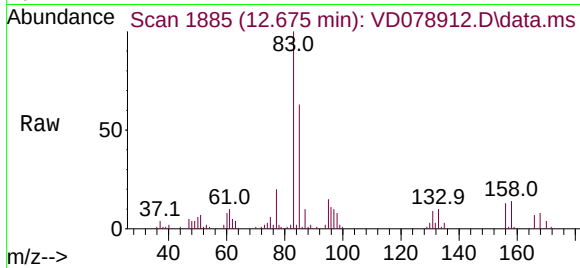




#75
1,1,2,2-Tetrachloroethane
Concen: 49.340 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

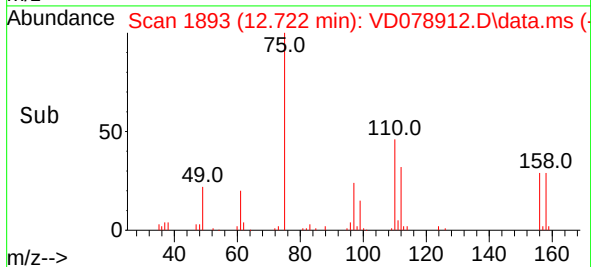
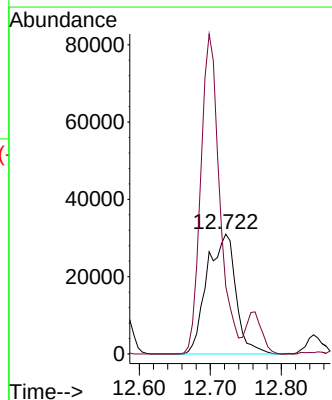
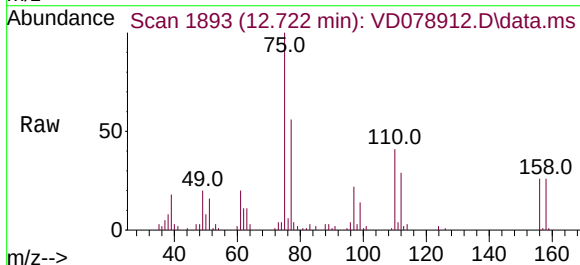
Instrument :
MSVOA_D
ClientSampleId :

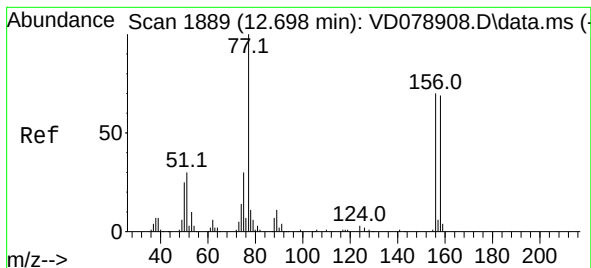
Tgt Ion: 83 Resp: 67678
Ion Ratio Lower Upper
83 100
131 10.6 5.5 16.5
85 66.0 33.8 101.3



#76
1,2,3-Trichloropropane
Concen: 97.468 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 75 Resp: 87423
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.296 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

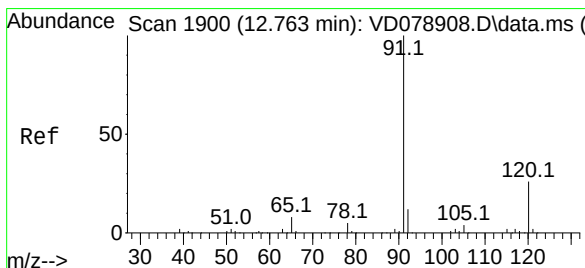
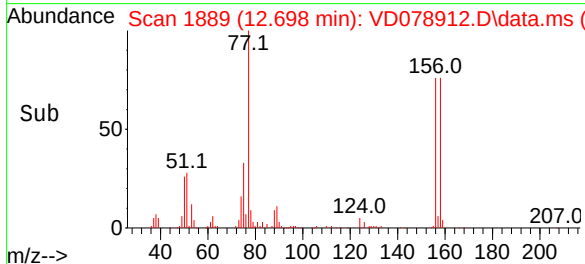
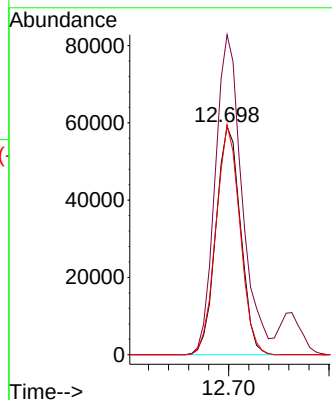
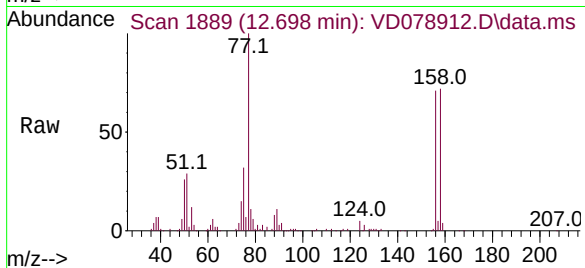
Tgt Ion:156 Resp: 100575

Ion Ratio Lower Upper

156 100

77 152.5 77.3 231.9

158 98.7 49.6 149.0



#78

n-propylbenzene

Concen: 51.605 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD078912.D

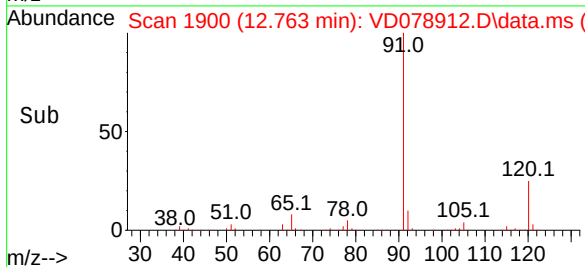
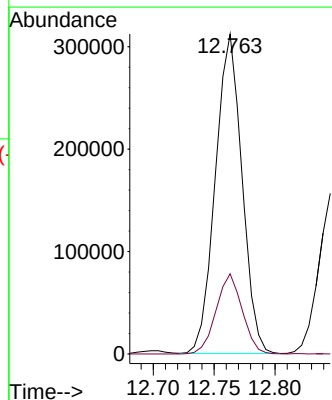
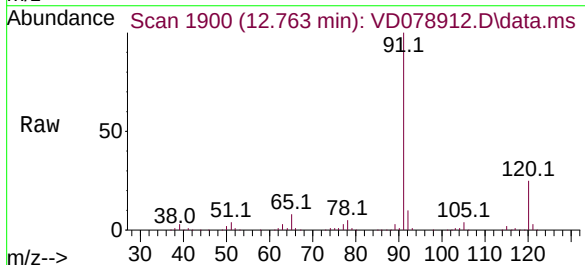
Acq: 13 May 2024 16:45

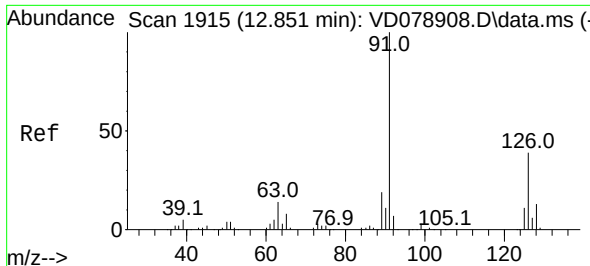
Tgt Ion: 91 Resp: 474310

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.8





#79

2-Chlorotoluene

Concen: 51.474 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

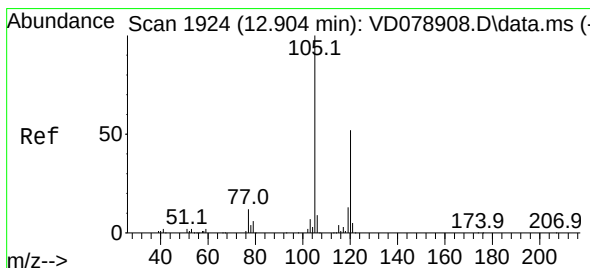
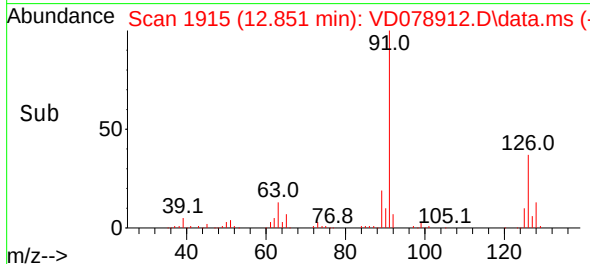
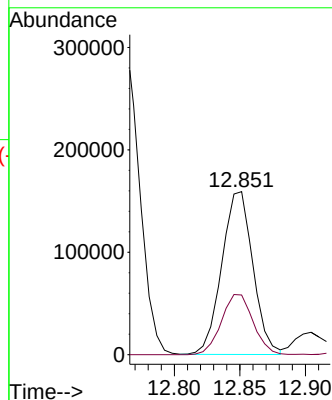
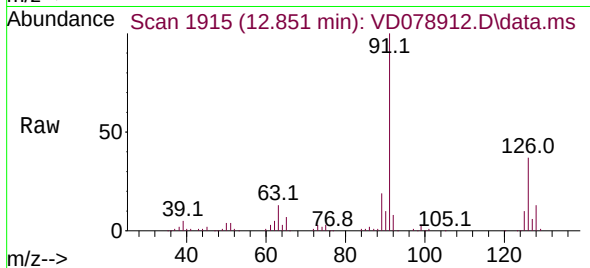
ClientSampleId :

Tgt Ion: 91 Resp: 262955

Ion Ratio Lower Upper

91 100

126 37.7 19.3 57.8



#80

1,3,5-Trimethylbenzene

Concen: 53.442 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078912.D

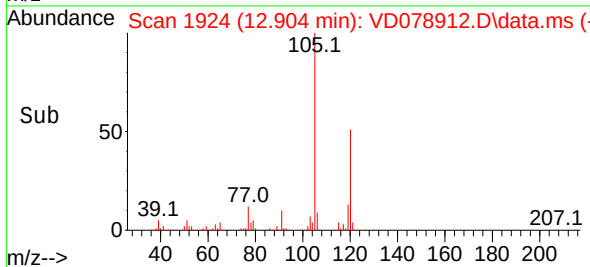
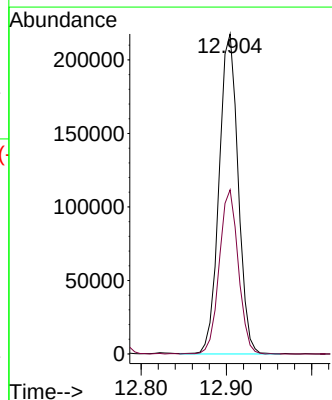
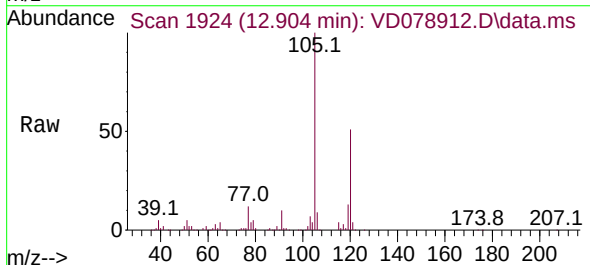
Acq: 13 May 2024 16:45

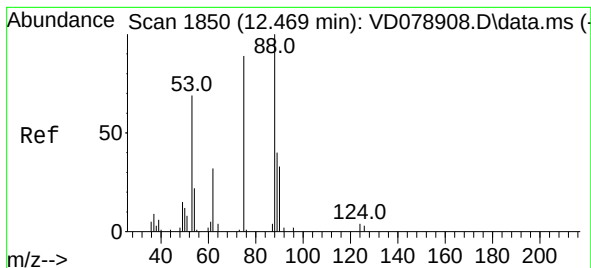
Tgt Ion:105 Resp: 337632

Ion Ratio Lower Upper

105 100

120 51.1 25.7 77.1

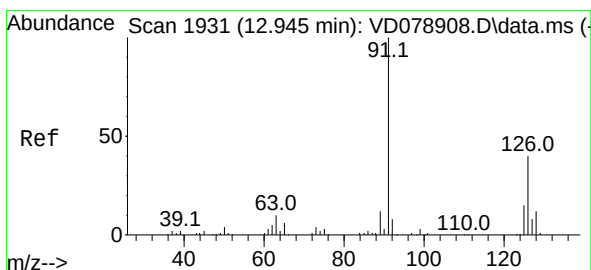
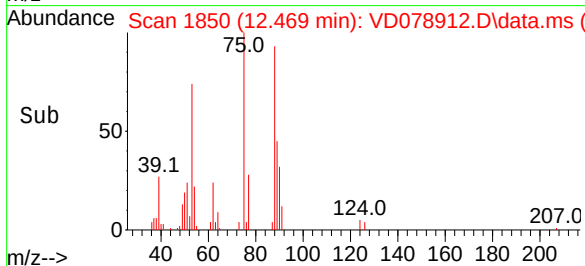
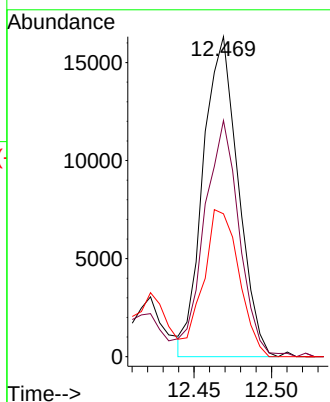
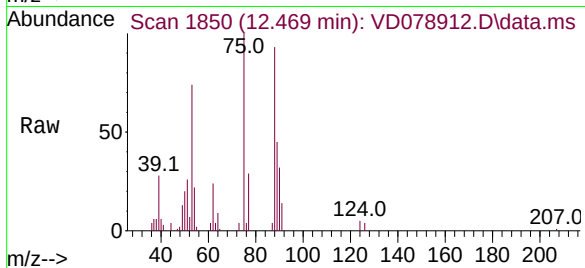




#81
trans-1,4-Dichloro-2-butene
Concen: 56.669 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

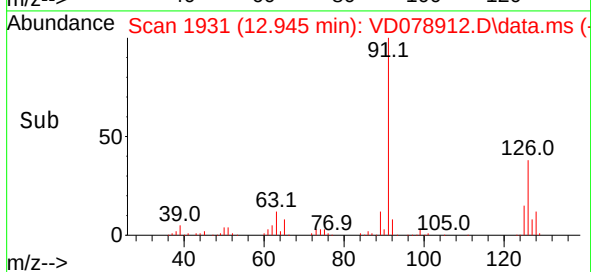
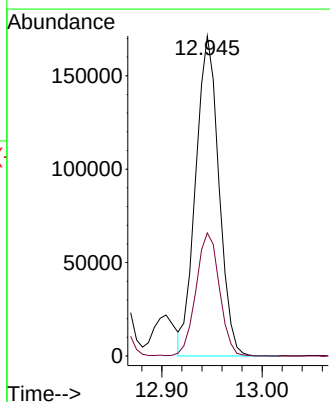
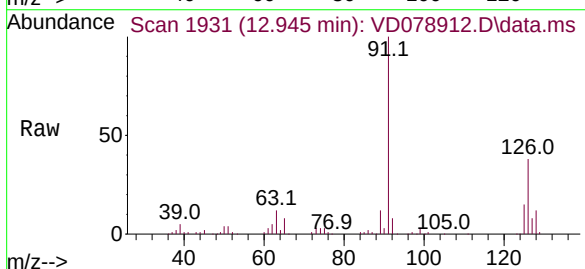
Instrument :
MSVOA_D
ClientSampleId :

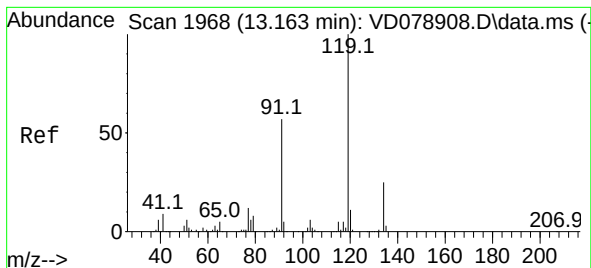
Tgt Ion: 75 Resp: 25632
Ion Ratio Lower Upper
75 100
53 74.5 61.4 92.2
89 47.0 35.4 53.0



#82
4-Chlorotoluene
Concen: 51.473 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 91 Resp: 275859
Ion Ratio Lower Upper
91 100
126 38.7 18.9 56.9





#83

tert-Butylbenzene

Concen: 53.842 ug/l

RT: 13.163 min Scan# 1968

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

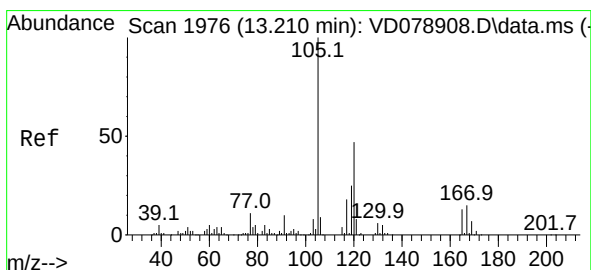
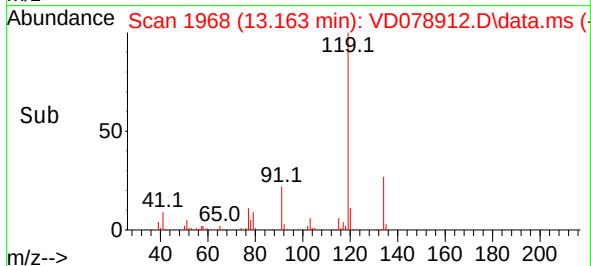
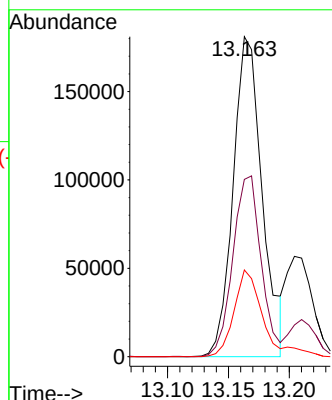
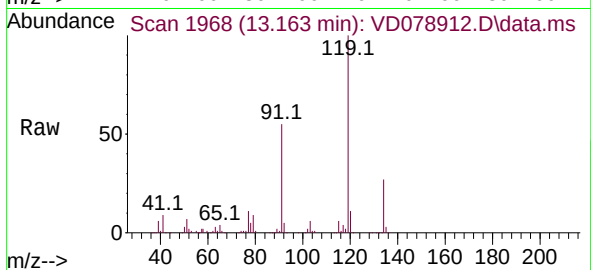
Tgt Ion:119 Resp: 300836

Ion Ratio Lower Upper

119 100

91 55.1 28.2 84.7

134 27.0 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 53.203 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078912.D

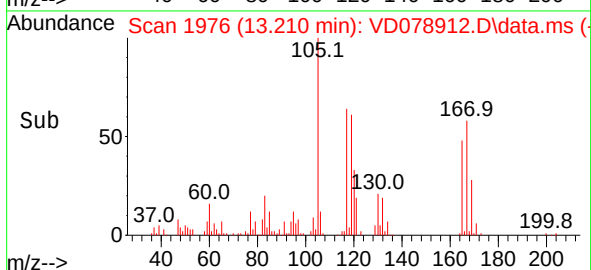
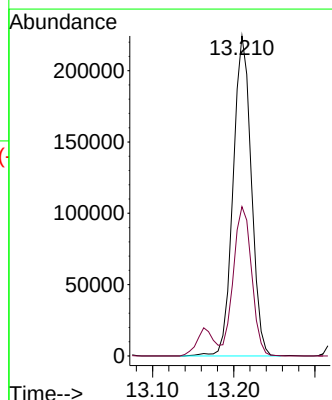
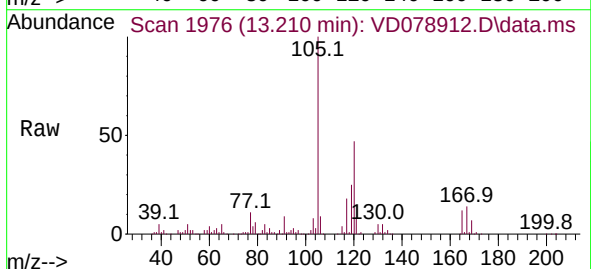
Acq: 13 May 2024 16:45

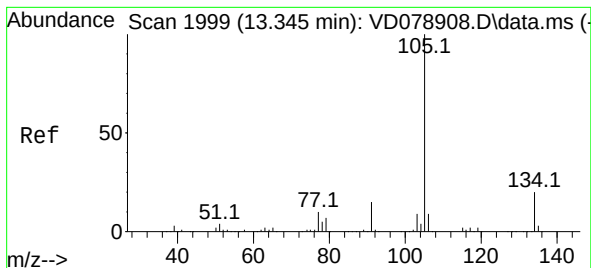
Tgt Ion:105 Resp: 348166

Ion Ratio Lower Upper

105 100

120 47.2 23.6 71.0





#85

sec-Butylbenzene

Concen: 52.048 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

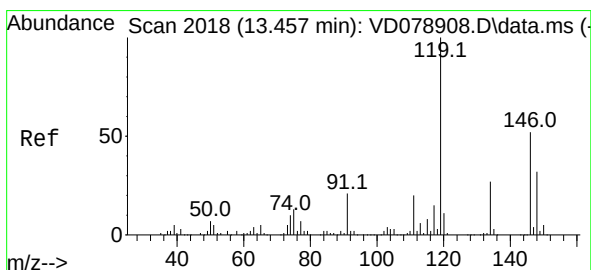
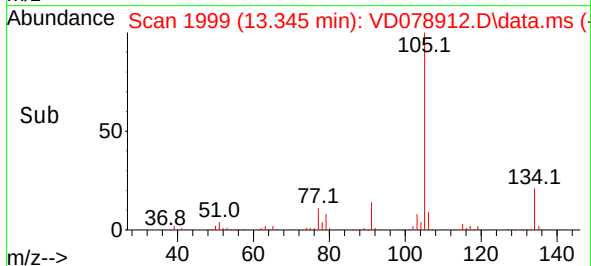
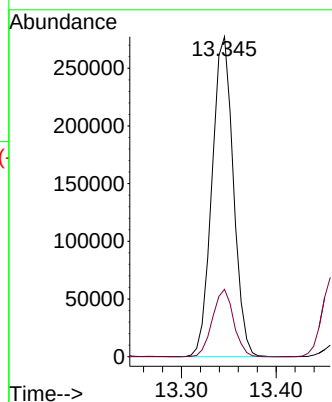
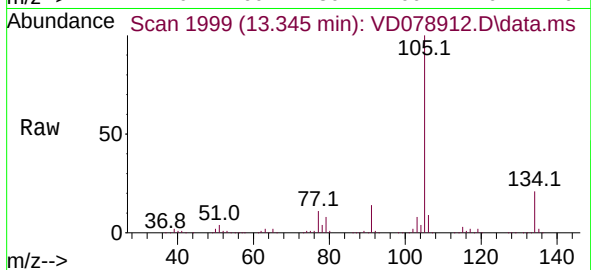
ClientSampleId :

Tgt Ion:105 Resp: 433803

Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8



#86

p-Isopropyltoluene

Concen: 53.818 ug/l

RT: 13.457 min Scan# 1818

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

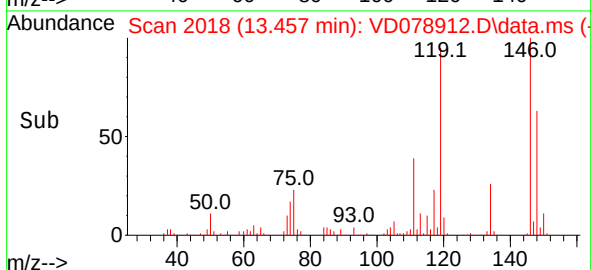
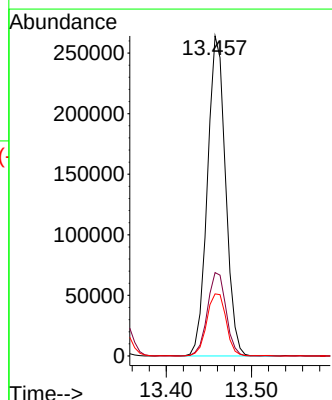
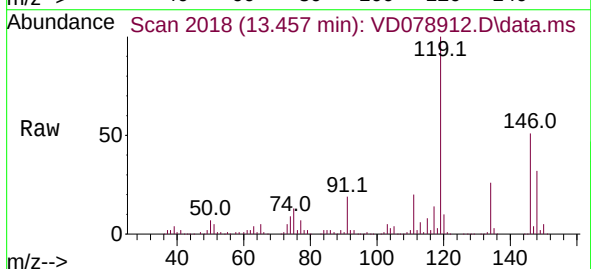
Tgt Ion:119 Resp: 390802

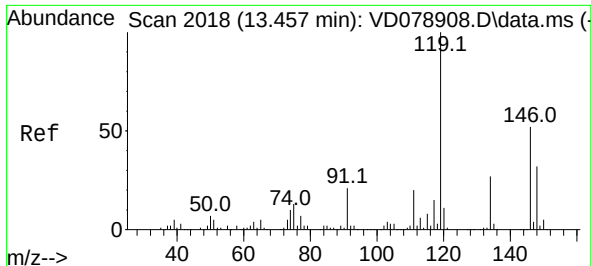
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.1

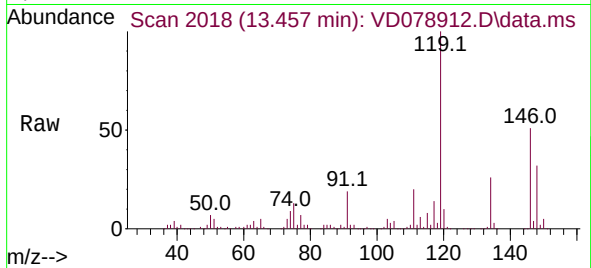
91 20.7 10.7 32.1



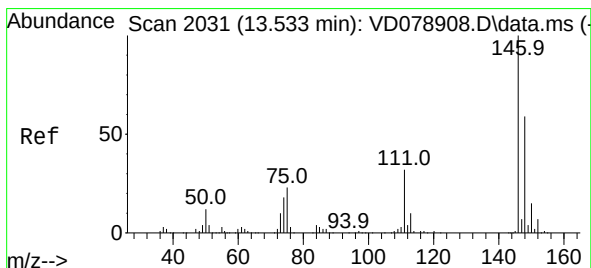
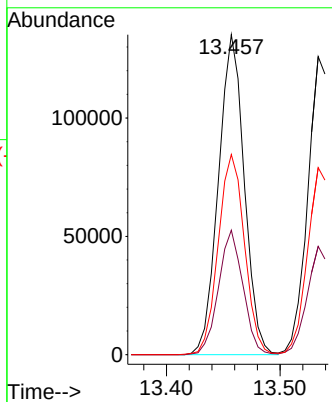
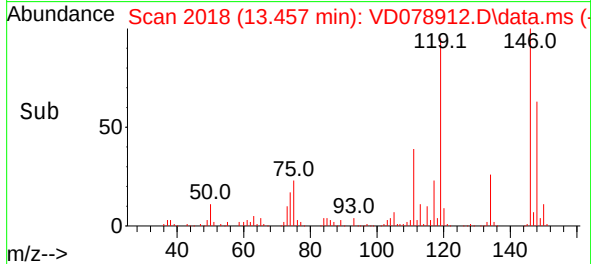


#87
1,3-Dichlorobenzene
Concen: 50.526 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

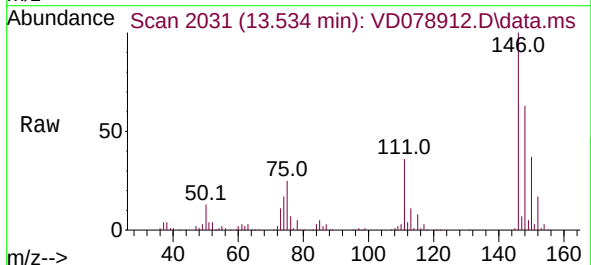
Instrument :
MSVOA_D
ClientSampleId :



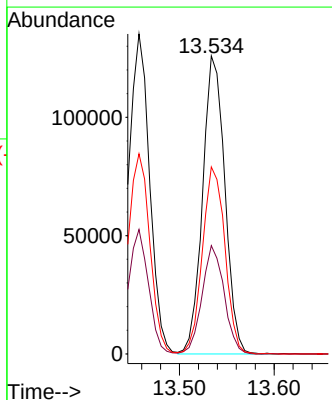
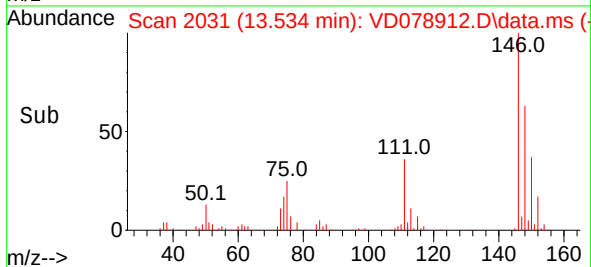
Tgt Ion:146 Resp: 213803
Ion Ratio Lower Upper
146 100
111 36.9 18.5 55.5
148 63.6 30.9 92.8

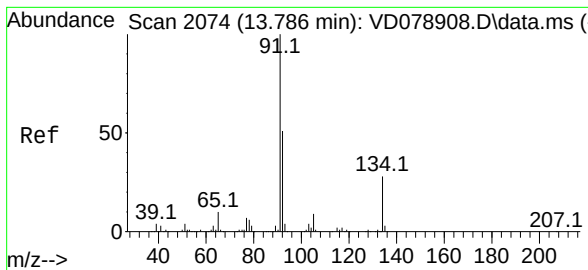


#88
1,4-Dichlorobenzene
Concen: 49.794 ug/l
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45



Tgt Ion:146 Resp: 206349
Ion Ratio Lower Upper
146 100
111 36.0 17.5 52.6
148 63.4 31.4 94.2

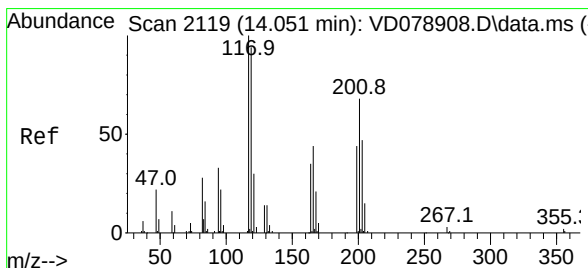
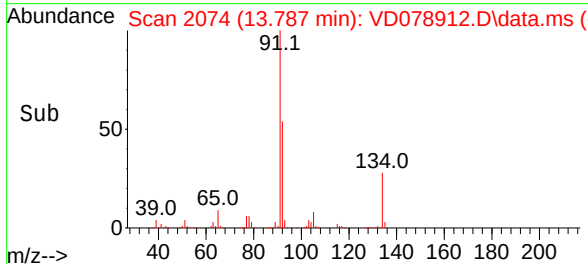
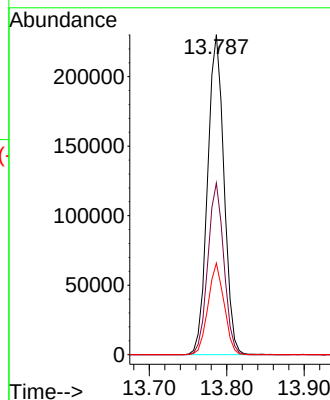
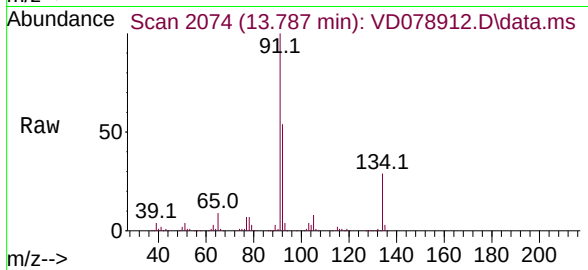




#89
n-Butylbenzene
Concen: 51.953 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

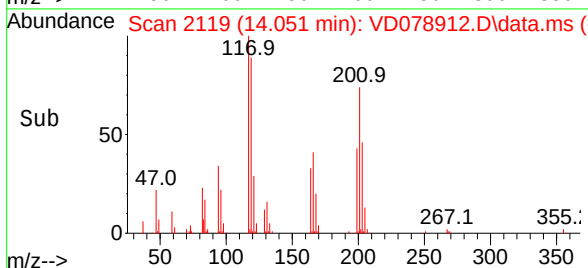
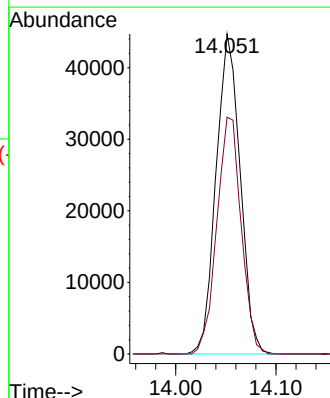
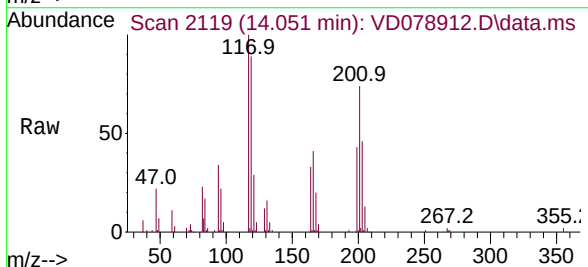
Instrument :
MSVOA_D
ClientSampleId :

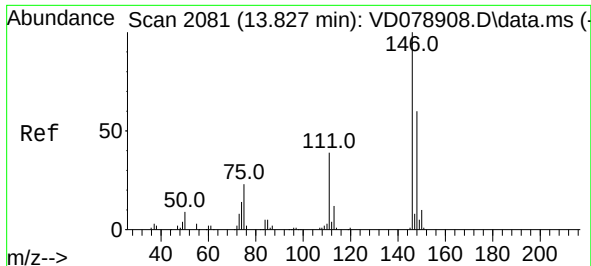
Tgt Ion: 91 Resp: 338050
Ion Ratio Lower Upper
91 100
92 52.4 25.7 77.0
134 28.0 13.6 40.8



#90
Hexachloroethane
Concen: 48.629 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VD078912.D
Acq: 13 May 2024 16:45

Tgt Ion: 117 Resp: 74486
Ion Ratio Lower Upper
117 100
201 74.9 36.3 108.9





#91

1,2-Dichlorobenzene

Concen: 50.423 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

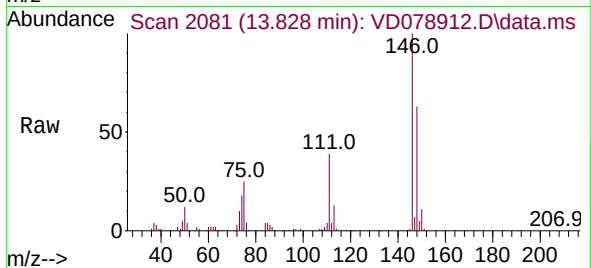
Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :



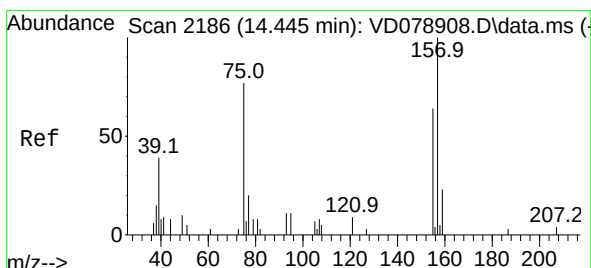
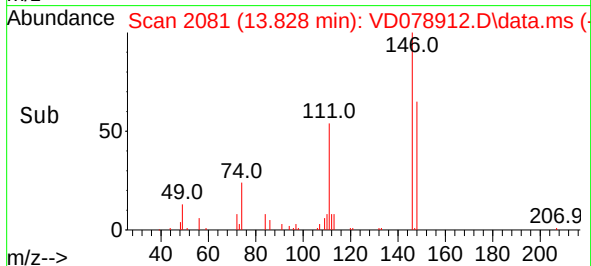
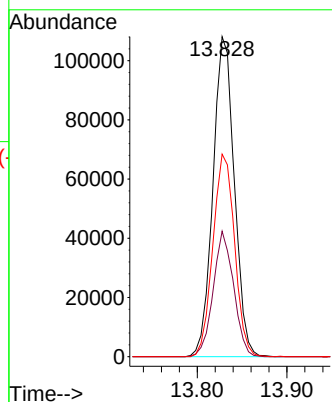
Tgt Ion:146 Resp: 178525

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

148 64.3 31.1 93.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.050 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

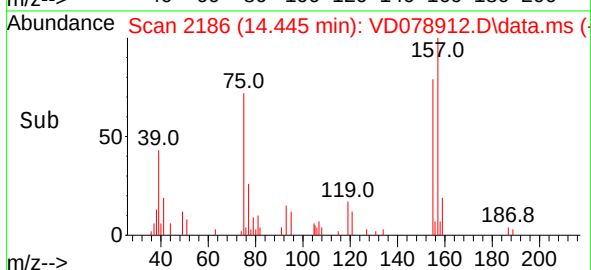
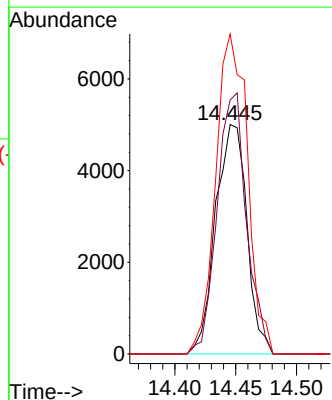
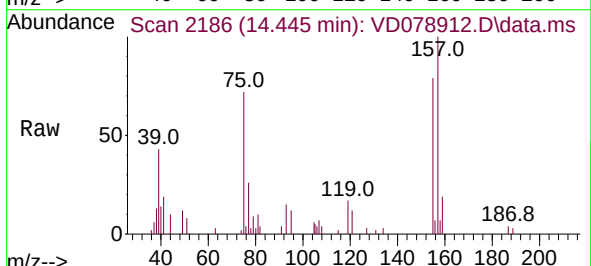
Tgt Ion: 75 Resp: 8957

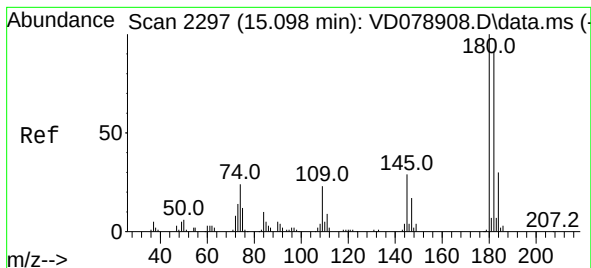
Ion Ratio Lower Upper

75 100

155 106.9 47.7 143.1

157 141.4 63.4 190.2





#93

1,2,4-Trichlorobenzene

Concen: 54.330 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

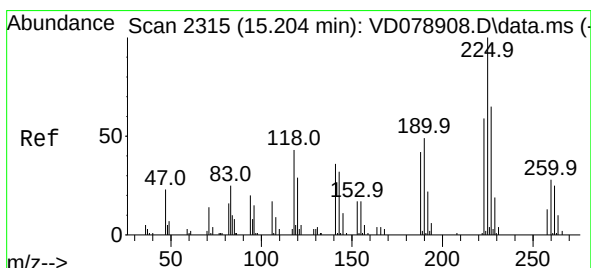
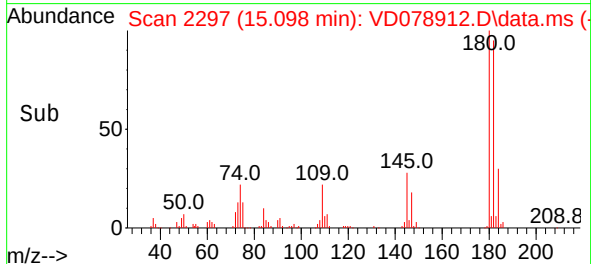
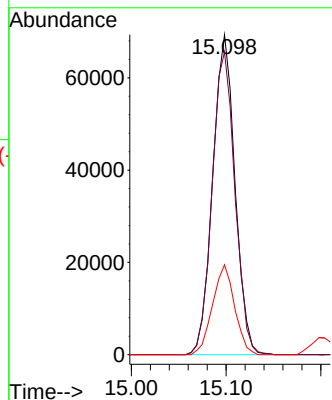
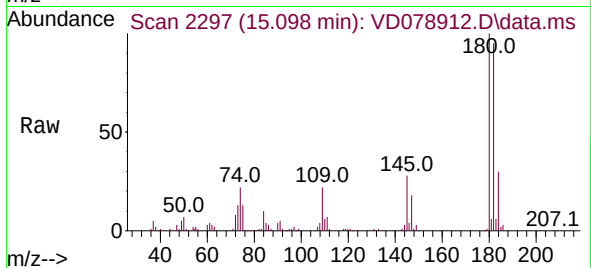
Tgt Ion:180 Resp: 112943

Ion Ratio Lower Upper

180 100

182 96.9 46.9 140.7

145 27.8 14.0 41.9



#94

Hexachlorobutadiene

Concen: 52.015 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

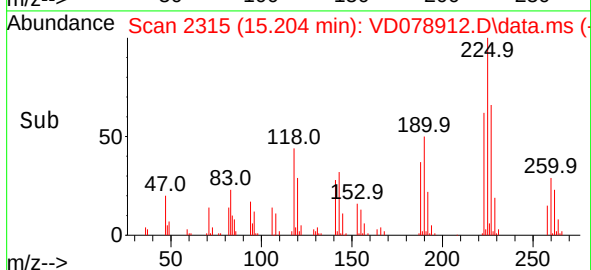
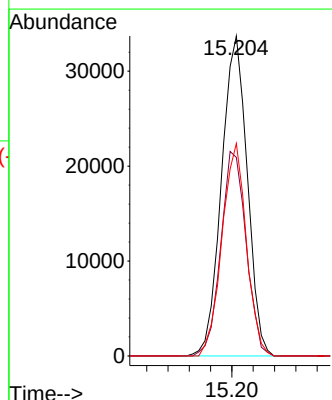
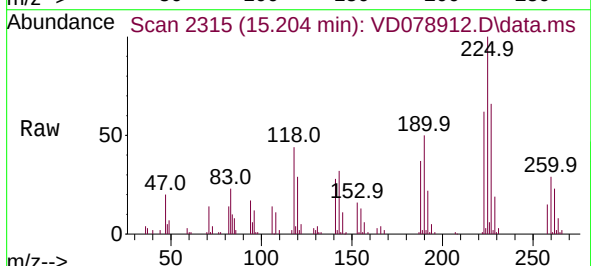
Tgt Ion:225 Resp: 56510

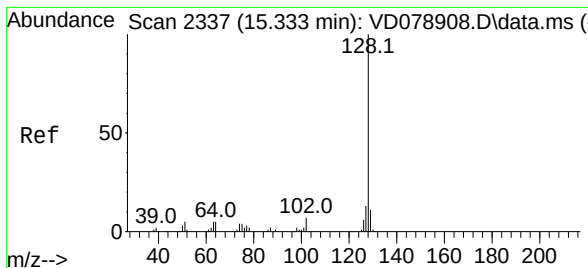
Ion Ratio Lower Upper

225 100

223 62.9 33.3 99.9

227 62.8 33.6 100.6





#95

Naphthalene

Concen: 59.002 ug/l

RT: 15.328 min Scan# 2336

Delta R.T. -0.005 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Instrument :

MSVOA_D

ClientSampleId :

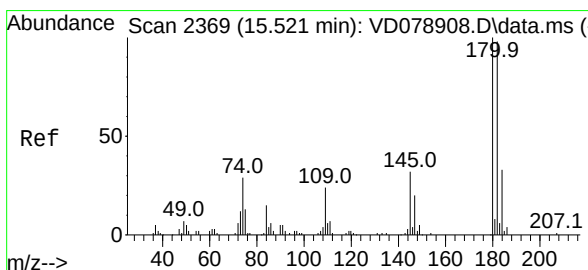
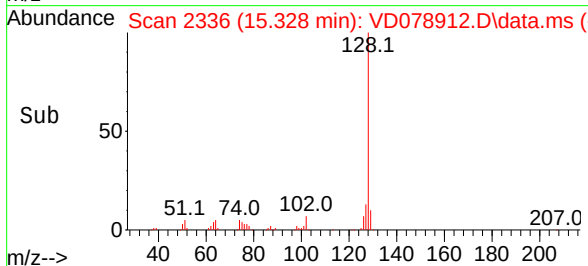
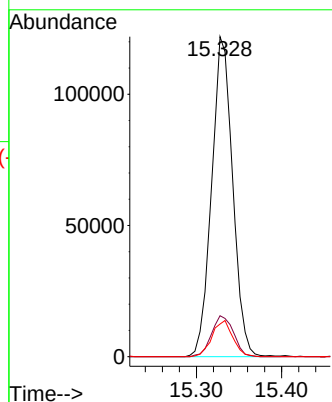
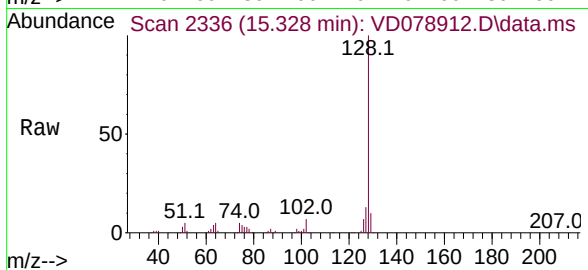
Tgt Ion:128 Resp: 208929

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.2 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 56.243 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD078912.D

Acq: 13 May 2024 16:45

Tgt Ion:180 Resp: 104007

Ion Ratio Lower Upper

180 100

182 89.8 47.8 143.3

145 29.8 16.1 48.2

