

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092223\
 Data File : VD077208.D
 Acq On : 22 Sep 2023 19:14
 Operator : JC/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 23:45:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM090123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 22 23:41:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	275279	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	287923	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	156926	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	126654	18.672	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	74.680%		
7) Chloroethane-d5	2.799	69	116443	20.876	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.520%		
11) 1,1-Dichloroethene-d2	3.916	65	30846	20.019	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	80.080%		
21) 2-Butanone-d5	6.981	46	46333	54.221	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	108.440%		
24) Chloroform-d	7.569	84	188118	24.974	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.880%		
26) 1,2-Dichloroethane-d4	8.228	65	92949	26.035	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	104.160%		
32) Benzene-d6	8.199	84	362771	22.812	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	91.240%		
36) 1,2-Dichloropropane-d6	9.210	67	109388	23.986	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.960%		
41) Toluene-d8	10.269	98	327609	22.505	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	90.040%		
43) trans-1,3-Dichloroprop...	10.522	79	43616	20.990	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	83.960%		
47) 2-Hexanone-d5	10.881	63	33180	45.554	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.100%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108273	26.632	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	106.520%		
66) 1,2-Dichlorobenzene-d4	13.816	152	113091	22.453	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	89.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	65314	18.502	ug/L	99
3) Chloromethane	2.146	50	99643	16.633	ug/L	99
5) Vinyl chloride	2.281	62	123442	17.567	ug/L	100
6) Bromomethane	2.687	94	77953	15.880	ug/L	96
8) Chloroethane	2.834	64	88505	19.192	ug/L	99
9) Trichlorofluoromethane	3.169	101	124341	18.713	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	84064	20.683	ug/L	98
12) 1,1-Dichloroethene	3.934	96	71997	19.477	ug/L	94
13) Acetone	4.022	43	47880	39.059	ug/L	94
14) Carbon disulfide	4.263	76	201976	16.879	ug/L	100
15) Methyl Acetate	4.558	43	45845	27.961	ug/L #	79
16) Methylene chloride	4.799	84	107695	19.222	ug/L	92
17) trans-1,2-Dichloroethene	5.305	96	83081	20.642	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	199640	22.968	ug/L #	87
19) 1,1-Dichloroethane	6.110	63	160822	23.698	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	102075	22.152	ug/L	99
22) 2-Butanone	7.081	43	61459	41.559	ug/L	98
23) Bromochloromethane	7.422	128	49369	22.450	ug/L #	87
25) Chloroform	7.599	83	181710	23.980	ug/L	95

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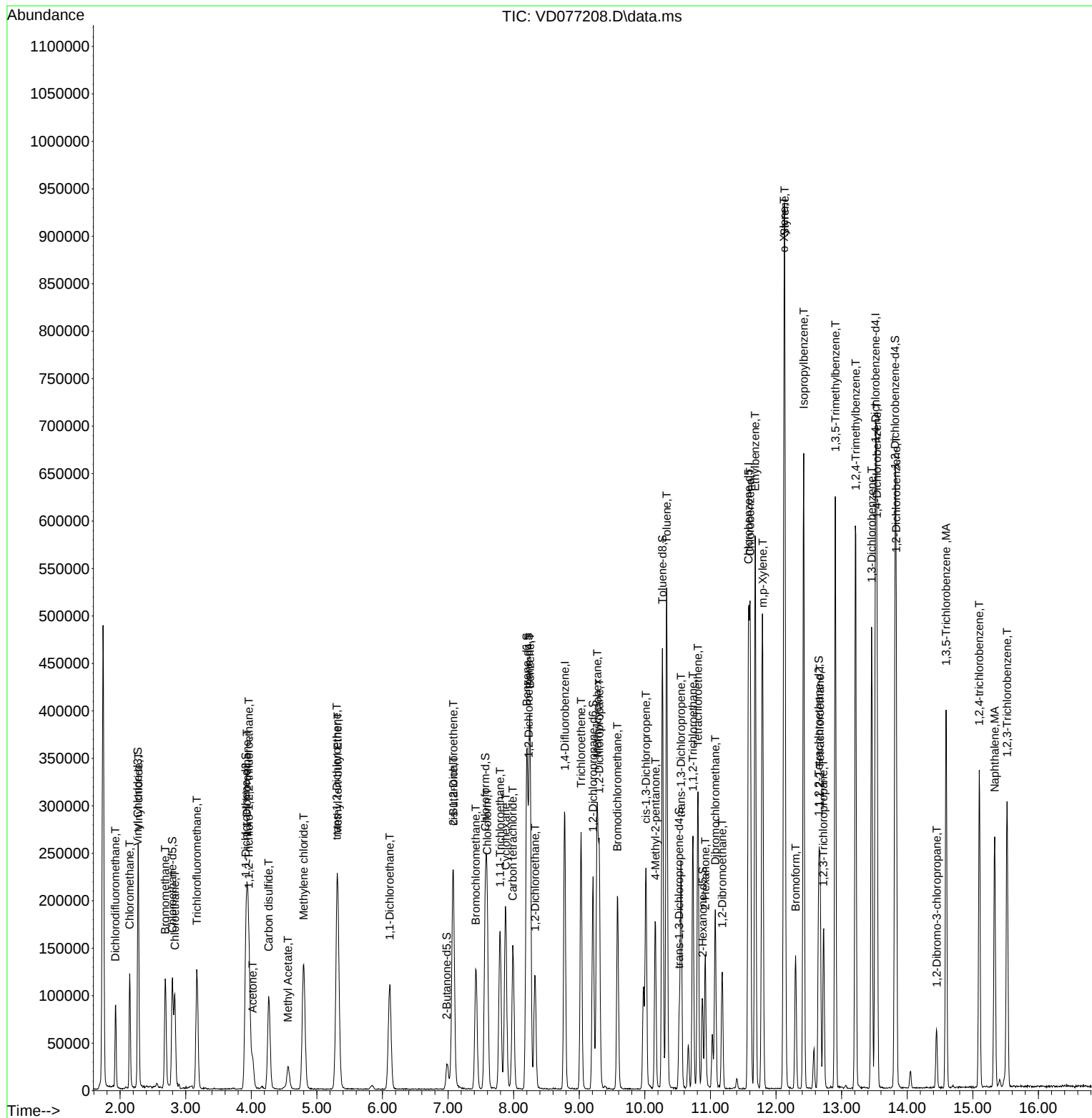
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27) 1,2-Dichloroethane	8.328	62	107140	23.608	ug/L	96
29) Cyclohexane	7.881	56	97501	18.008	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	142068	21.108	ug/L	98
31) Carbon tetrachloride	7.987	117	109816	19.288	ug/L	97
33) Benzene	8.251	78	374105	21.630	ug/L	100
34) Trichloroethene	9.028	95	91826	20.022	ug/L	97
35) Methylcyclohexane	9.275	83	124038	17.538	ug/L	97
37) 1,2-Dichloropropane	9.304	63	99895	22.899	ug/L	99
38) Bromodichloromethane	9.581	83	135006	22.432	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	147627	21.285	ug/L	99
40) 4-Methyl-2-pentanone	10.163	43	115288	48.084	ug/L	97
42) Toluene	10.334	91	409087	21.836	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	131236	22.132	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	89724	24.305	ug/L	90
46) Tetrachloroethene	10.810	164	72913	19.448	ug/L	98
48) 2-Hexanone	10.922	43	82551	44.647	ug/L	97
49) Dibromochloromethane	11.075	129	98729	22.898	ug/L	94
50) 1,2-Dibromoethane	11.181	107	82709	22.679	ug/L	90
51) Chlorobenzene	11.604	112	269670	21.528	ug/L	92
52) Ethylbenzene	11.681	91	430754	21.246	ug/L	97
53) m,p-Xylene	11.798	106	167771	21.431	ug/L	96
54) o-Xylene	12.122	106	163242	21.602	ug/L	95
55) Styrene	12.134	104	303465	22.471	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.669	83	106445	24.516	ug/L	98
59) Bromoform	12.298	173	62763	22.176	ug/L	99
60) Isopropylbenzene	12.422	105	427558	21.139	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	70458	23.523	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	329845	21.085	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	331089	21.603	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	203281	21.096	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	211545	21.015	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	192292	21.697	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	14933	23.838	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	124020	19.531	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	109246	20.101	ug/L	99
71) Naphthalene	15.333	128	239698	22.062	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	106246	21.284	ug/L	99

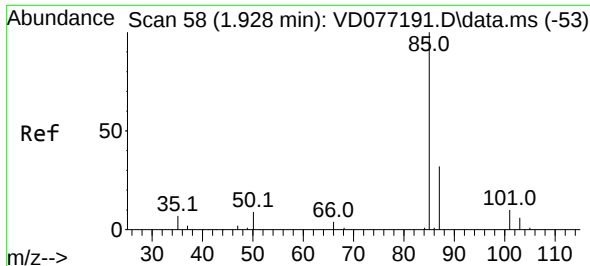
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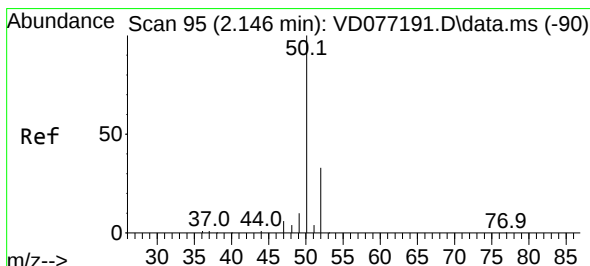
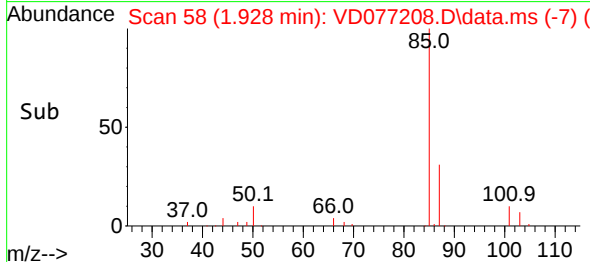
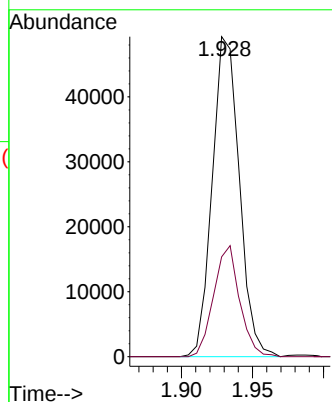
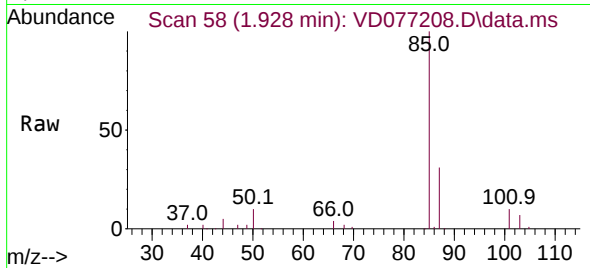




#2
 Dichlorodifluoromethane
 Concen: 18.502 ug/L
 RT: 1.928 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

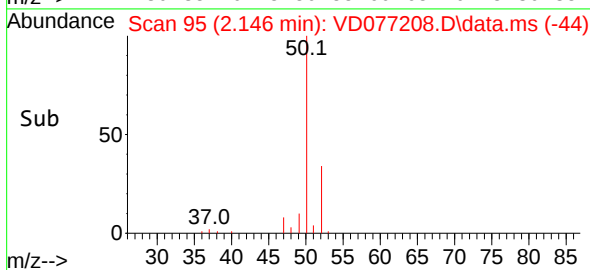
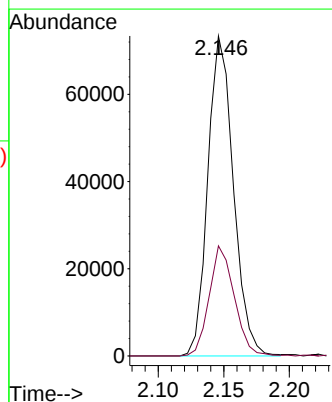
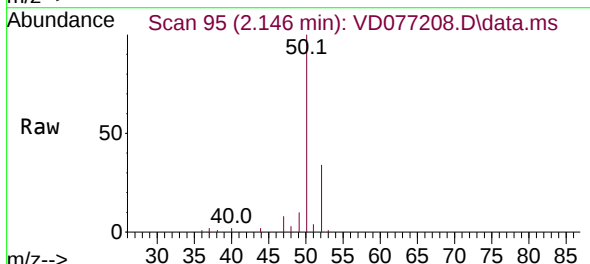
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 ClientSampleId :

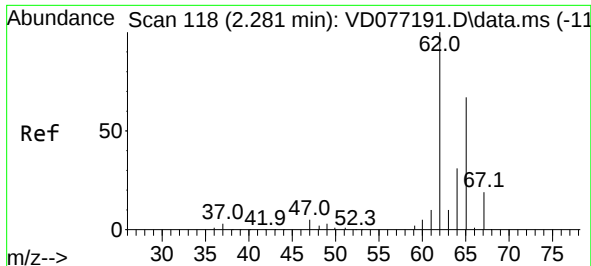
Tgt Ion: 85 Resp: 65314
 Ion Ratio Lower Upper
 85 100
 87 33.2 27.0 40.6



#3
 Chloromethane
 Concen: 16.633 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

Tgt Ion: 50 Resp: 99643
 Ion Ratio Lower Upper
 50 100
 52 34.4 23.5 43.7

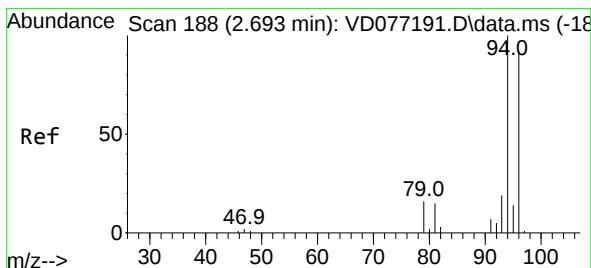
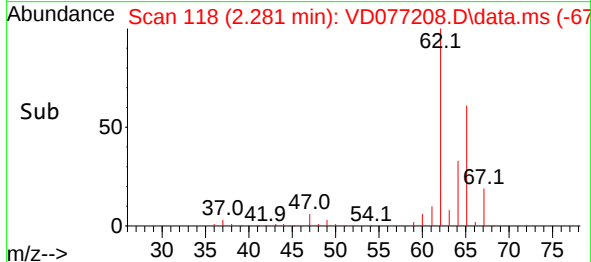
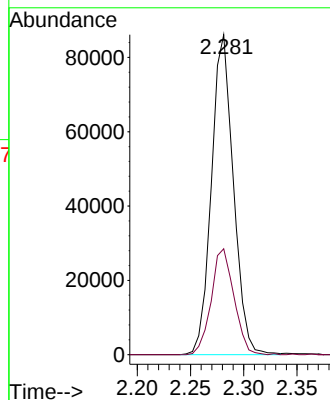
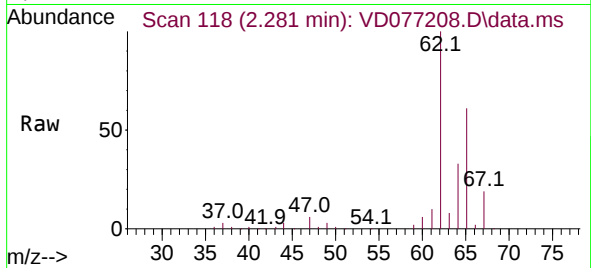




#5
 Vinyl chloride
 Concen: 17.567 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

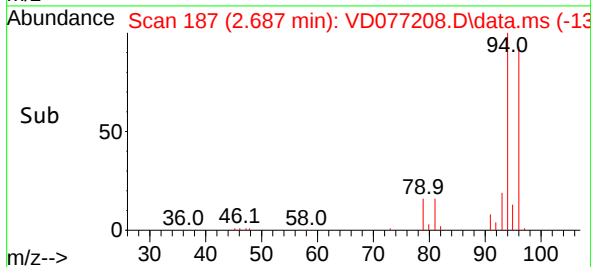
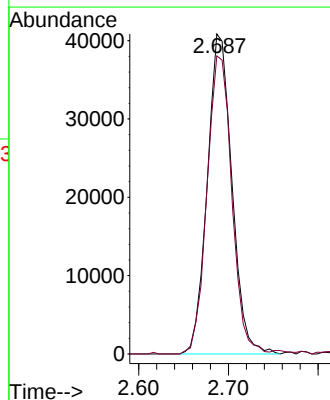
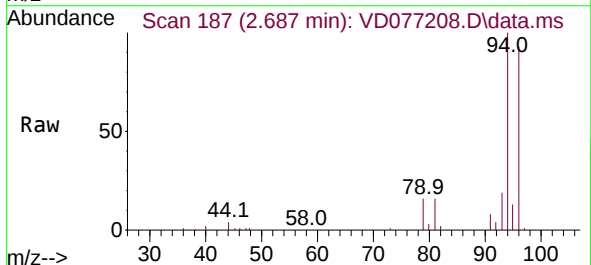
Instrument :
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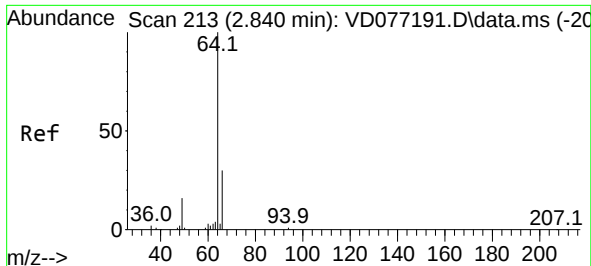
Tgt Ion: 62 Resp: 123442
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.2 43.2



#6
 Bromomethane
 Concen: 15.880 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.006 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

Tgt Ion: 94 Resp: 77953
 Ion Ratio Lower Upper
 94 100
 96 93.1 68.2 126.6

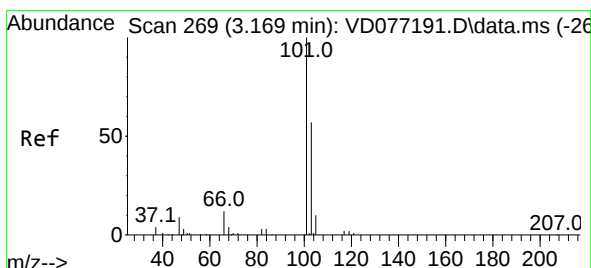
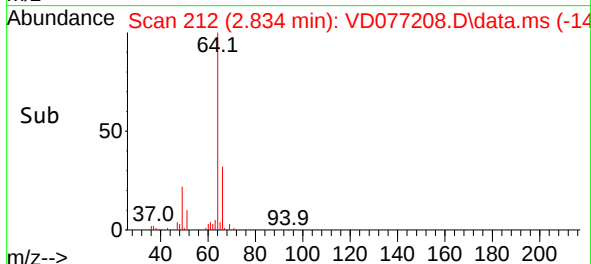
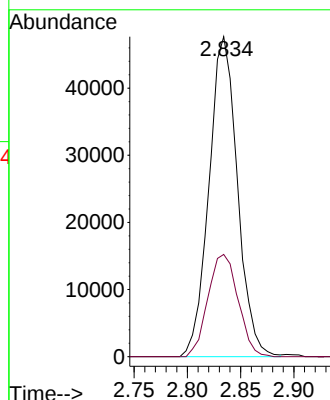
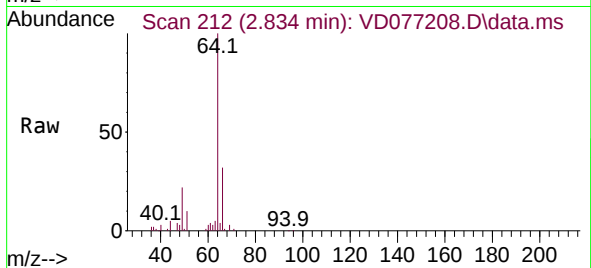




#8
Chloroethane
Concen: 19.192 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

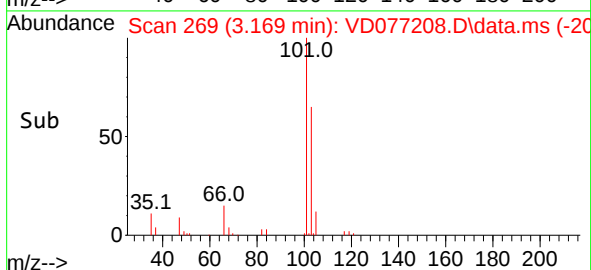
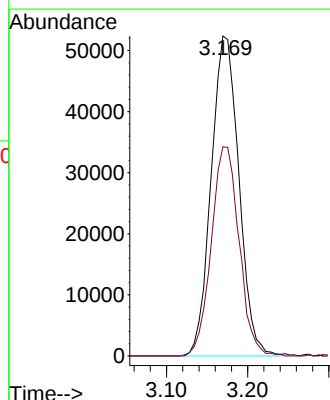
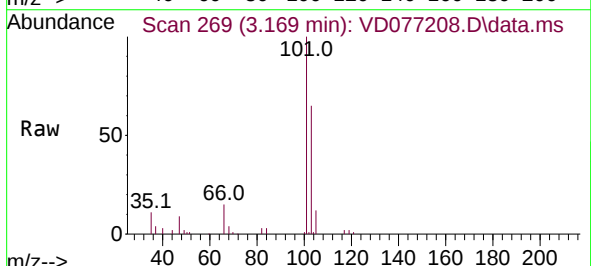
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ClientSampleId :

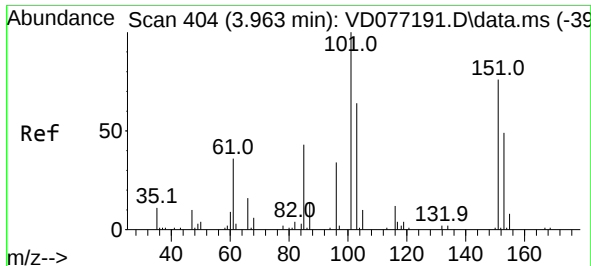
Tgt Ion: 64 Resp: 88505
Ion Ratio Lower Upper
64 100
66 32.0 23.0 42.6



#9
Trichlorofluoromethane
Concen: 18.713 ug/L
RT: 3.169 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion:101 Resp: 124341
Ion Ratio Lower Upper
101 100
103 65.3 52.0 78.0

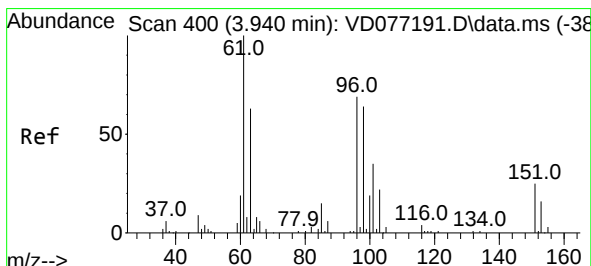
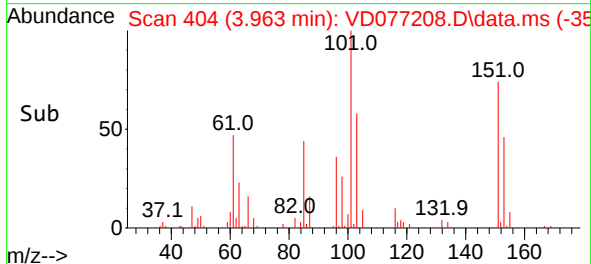
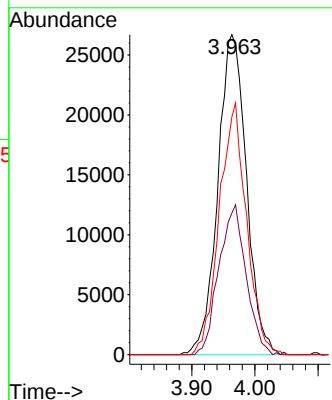
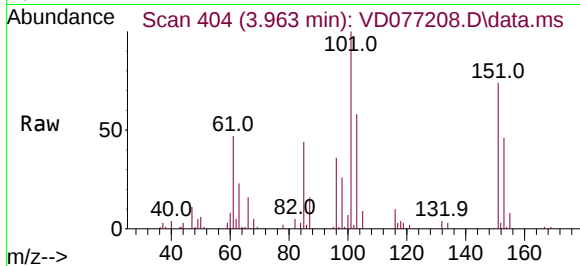




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 20.683 ug/L
 RT: 3.963 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

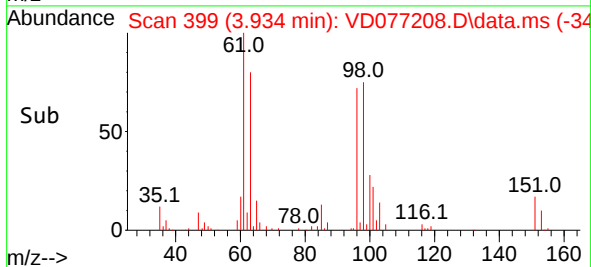
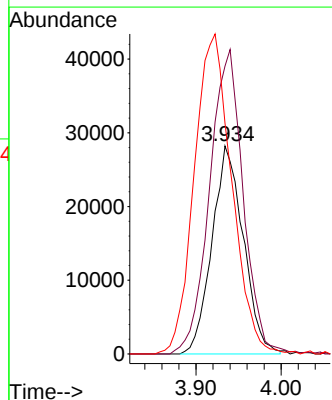
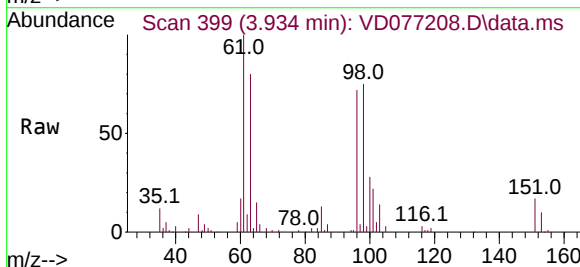
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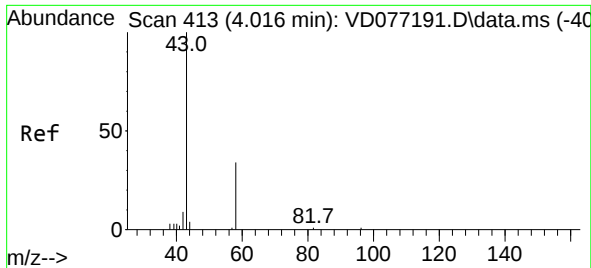
Tgt Ion:101 Resp: 84064
 Ion Ratio Lower Upper
 101 100
 85 44.4 33.4 50.2
 151 74.8 59.6 89.4



#12
 1,1-Dichloroethene
 Concen: 19.477 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. -0.006 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

Tgt Ion: 96 Resp: 71997
 Ion Ratio Lower Upper
 96 100
 61 138.4 95.5 177.3
 63 110.9 68.6 127.4





#13

Acetone

Concen: 39.059 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

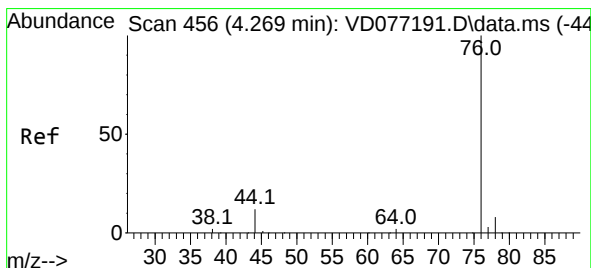
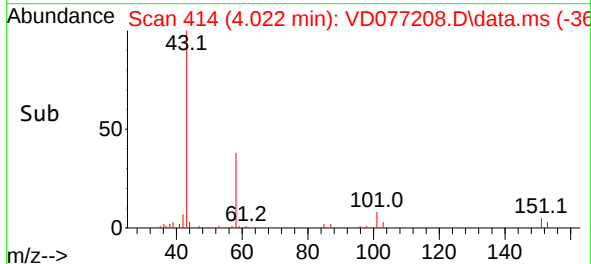
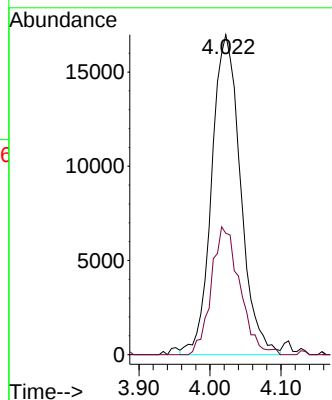
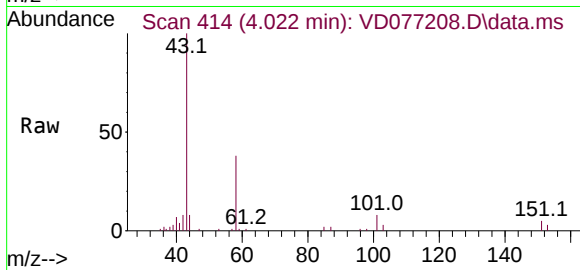
ClientSampleId :

Tgt Ion: 43 Resp: 47880

Ion Ratio Lower Upper

43 100

58 39.3 0.0 71.8



#14

Carbon disulfide

Concen: 16.879 ug/L

RT: 4.263 min Scan# 455

Delta R.T. -0.006 min

Lab File: VD077208.D

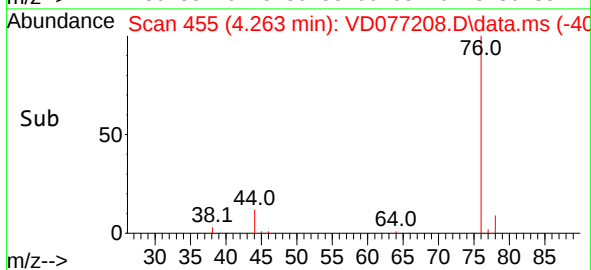
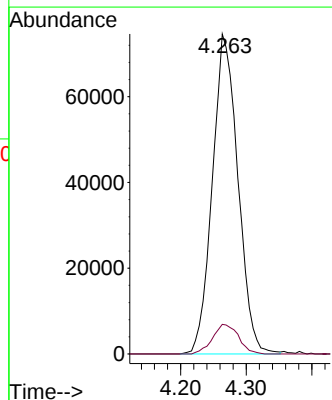
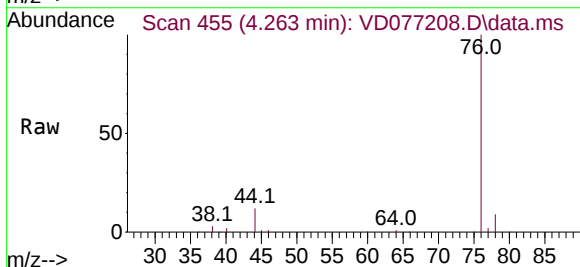
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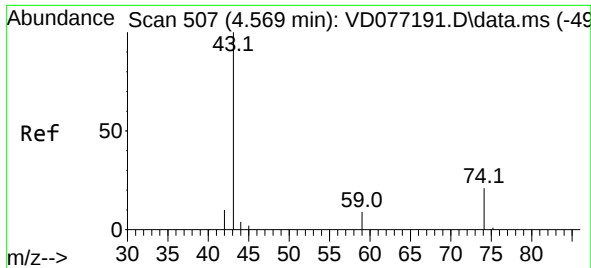
Tgt Ion: 76 Resp: 201976

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

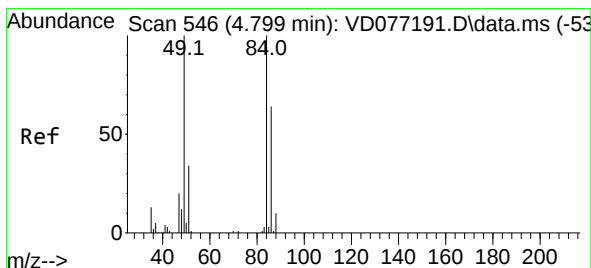
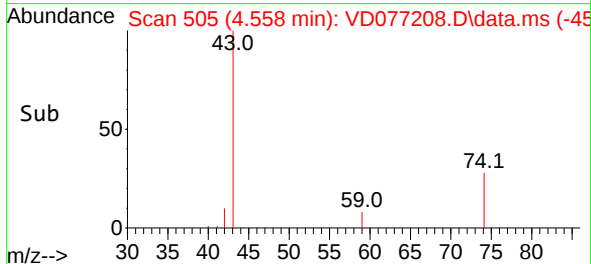
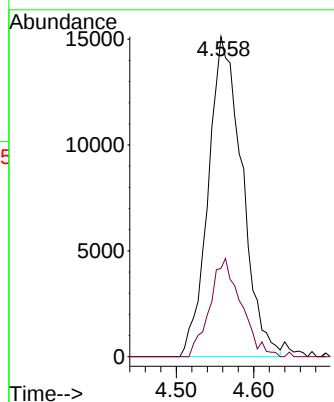
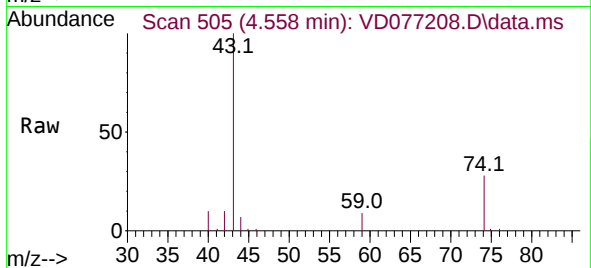




#15
Methyl Acetate
Concen: 27.961 ug/L
RT: 4.558 min Scan# 507
Delta R.T. -0.012 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

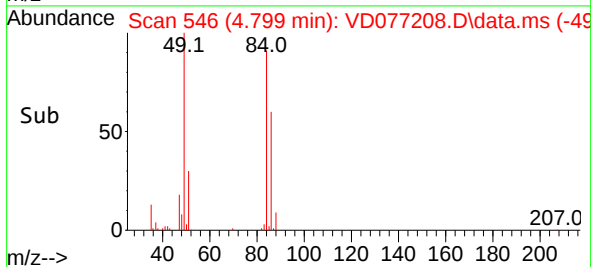
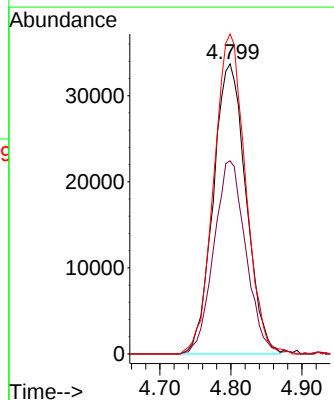
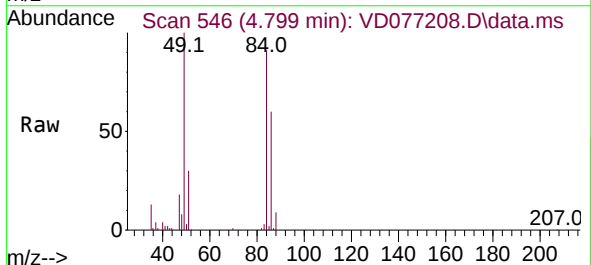
Instrument :
MSVOA_D
ClientSampleId :

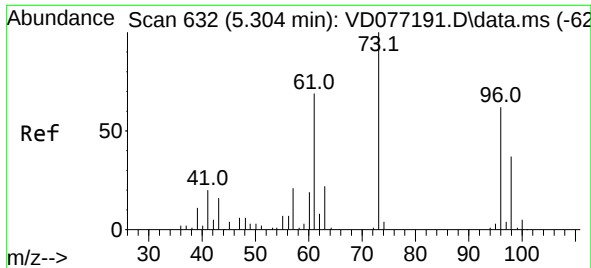
Tgt Ion: 43 Resp: 45845
Ion Ratio Lower Upper
43 100
74 27.3 0.2 0.2#



#16
Methylene chloride
Concen: 19.222 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion: 84 Resp: 107695
Ion Ratio Lower Upper
84 100
86 66.6 45.3 84.1
49 110.3 69.2 128.6





#17

trans-1,2-Dichloroethene

Concen: 20.642 ug/L

RT: 5.305 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

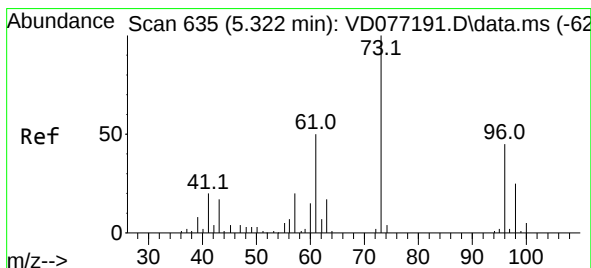
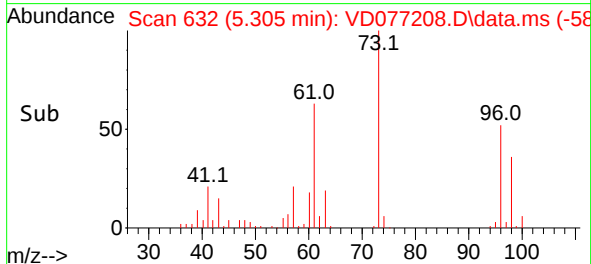
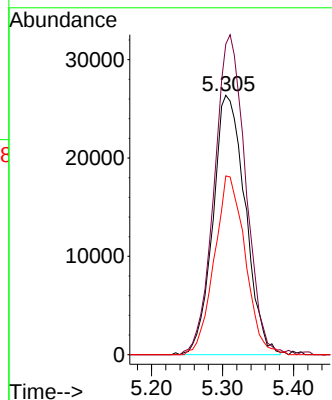
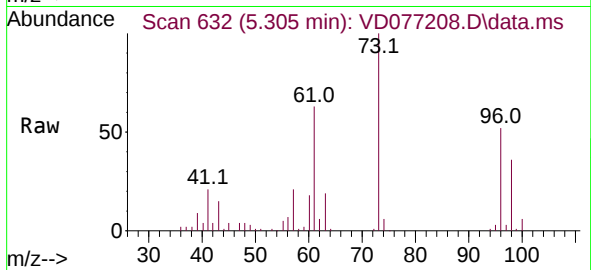
Tgt Ion: 96 Resp: 83081

Ion Ratio Lower Upper

96 100

61 119.8 85.1 158.1

98 68.9 43.7 81.1



#18

Methyl tert-butyl Ether

Concen: 22.968 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

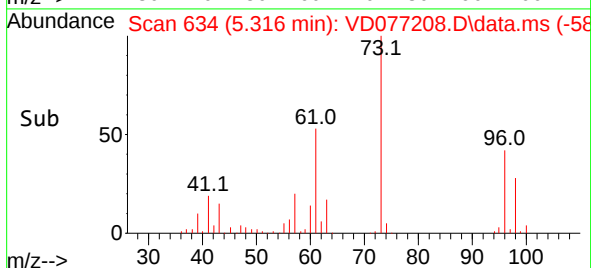
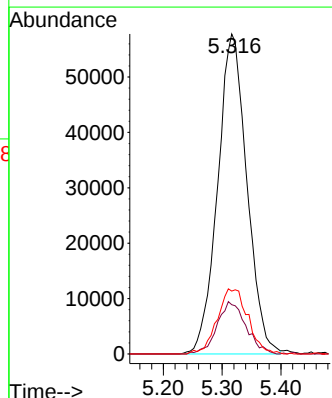
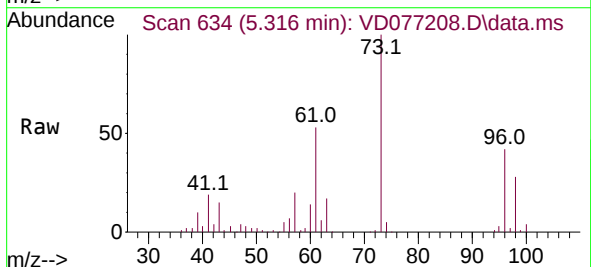
Tgt Ion: 73 Resp: 199640

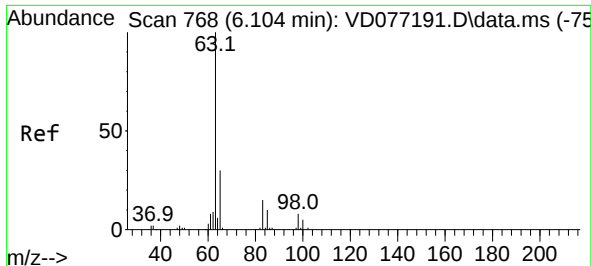
Ion Ratio Lower Upper

73 100

43 16.0 12.5 18.7

57 11.1 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 23.698 ug/L

RT: 6.110 min Scan# 70

Delta R.T. 0.006 min

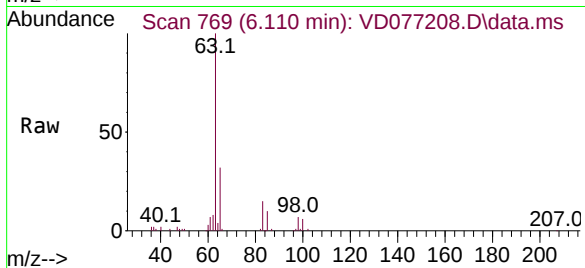
Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :



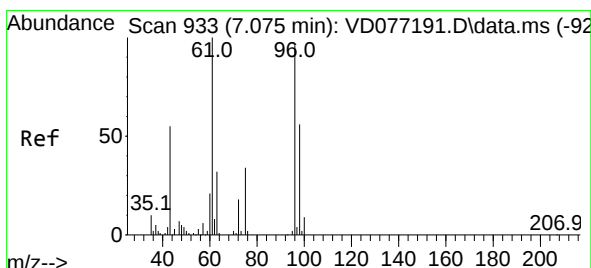
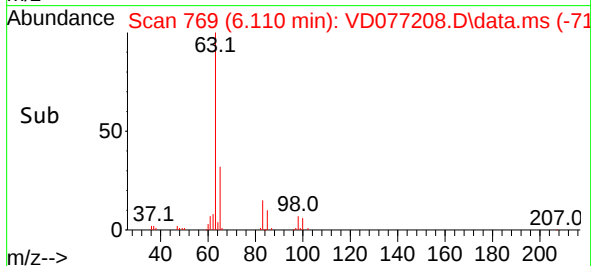
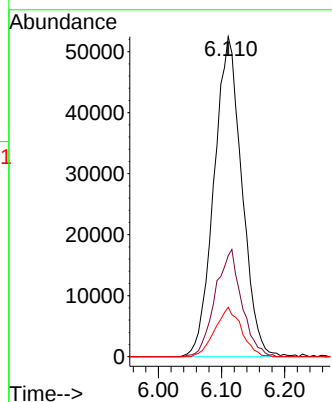
Tgt Ion: 63 Resp: 160822

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.9

83 15.4 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 22.152 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

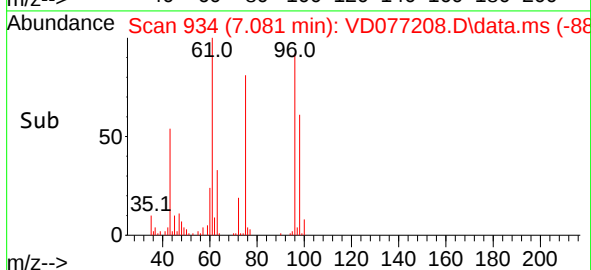
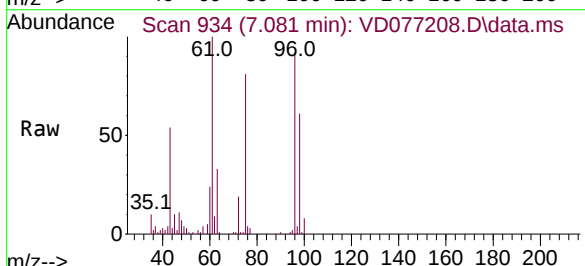
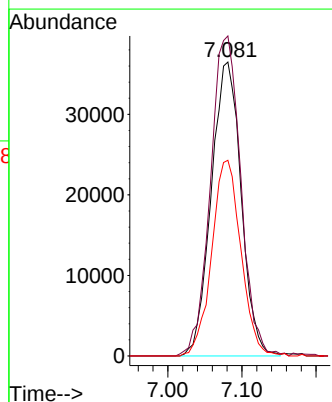
Tgt Ion: 96 Resp: 102075

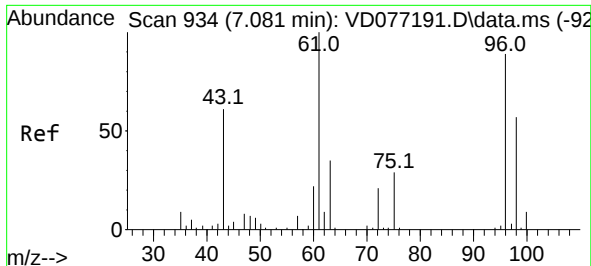
Ion Ratio Lower Upper

96 100

61 108.9 75.5 140.1

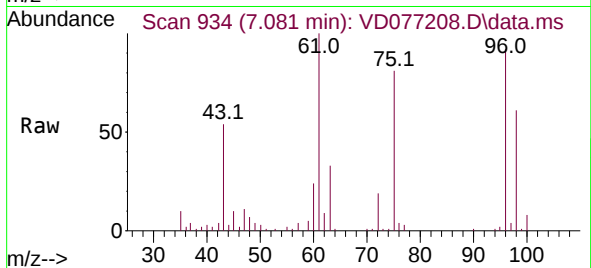
98 66.6 45.8 85.0



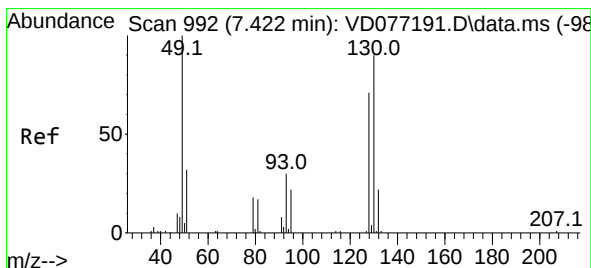
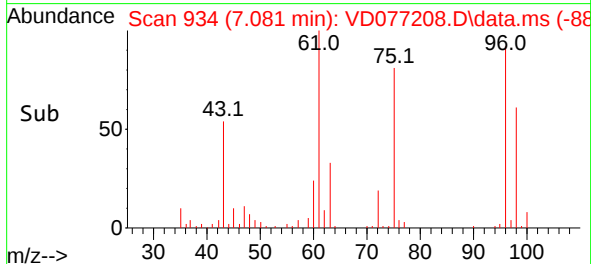
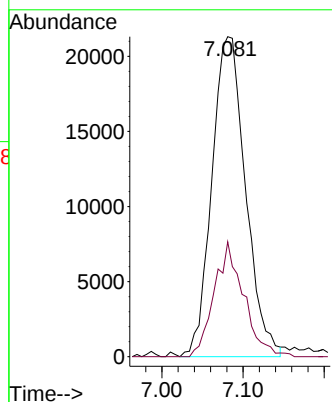


#22
2-Butanone
Concen: 41.559 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Instrument :
MSVOA_D
ClientSampleId :

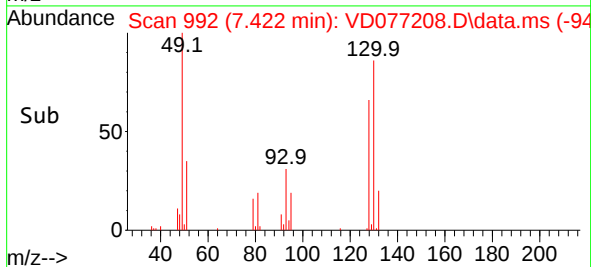
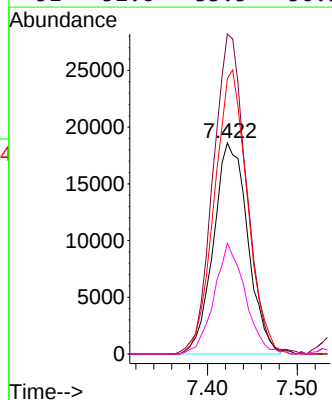
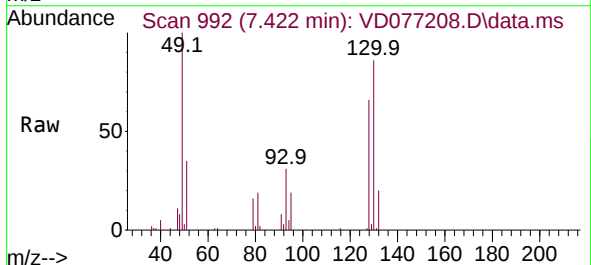


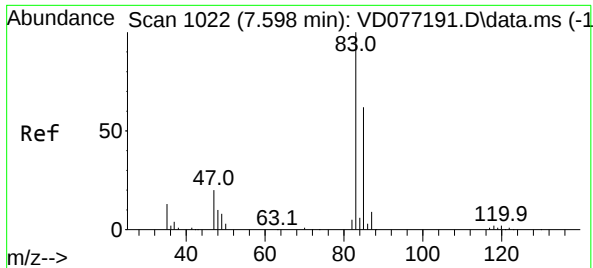
Tgt Ion: 43 Resp: 61459
Ion Ratio Lower Upper
43 100
72 31.1 16.0 48.0



#23
Bromochloromethane
Concen: 22.450 ug/L
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion:128 Resp: 49369
Ion Ratio Lower Upper
128 100
49 151.6 86.5 160.6
130 130.5 91.2 169.4
51 52.6 33.5 50.3#

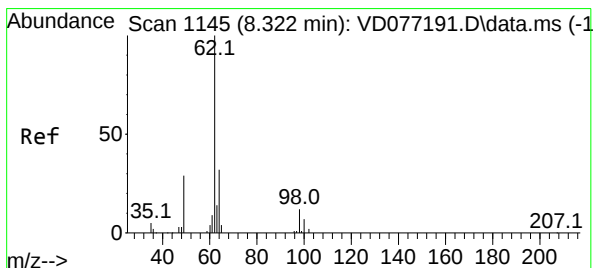
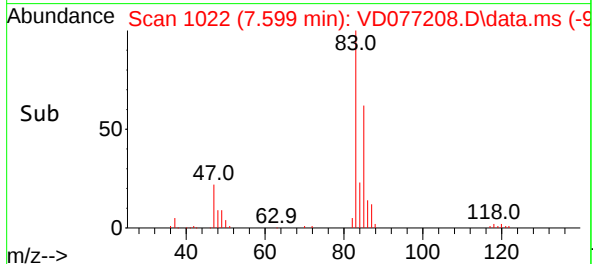
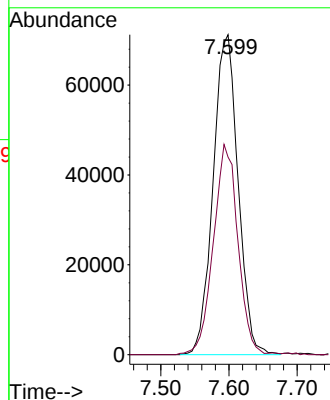
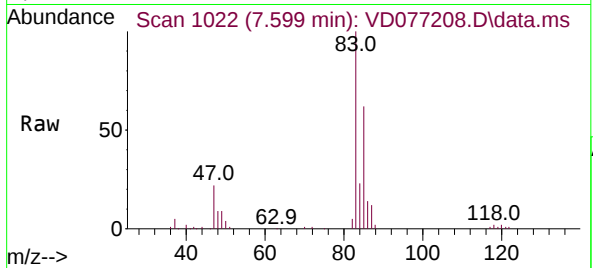




#25
Chloroform
Concen: 23.980 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

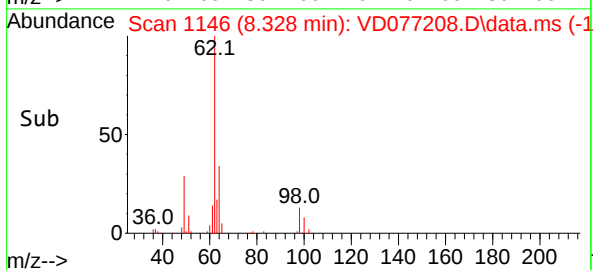
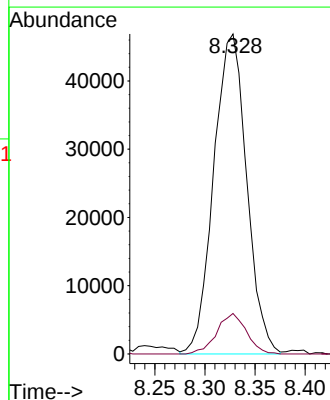
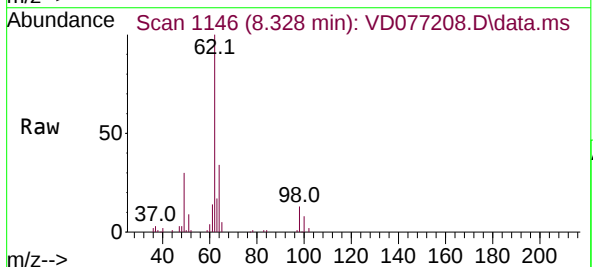
Instrument :
MSVOA_D
ClientSampleId :

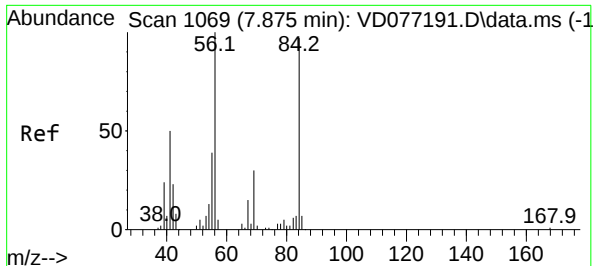
Tgt Ion: 83 Resp: 181710
Ion Ratio Lower Upper
83 100
85 61.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 23.608 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion: 62 Resp: 107140
Ion Ratio Lower Upper
62 100
98 12.6 9.0 13.4





#29

Cyclohexane

Concen: 18.008 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

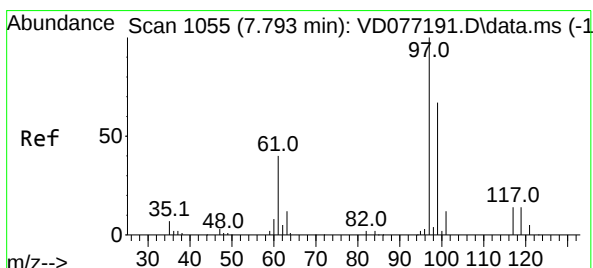
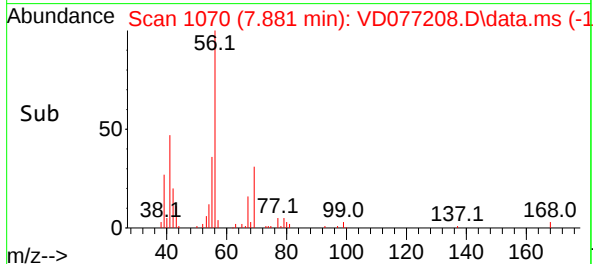
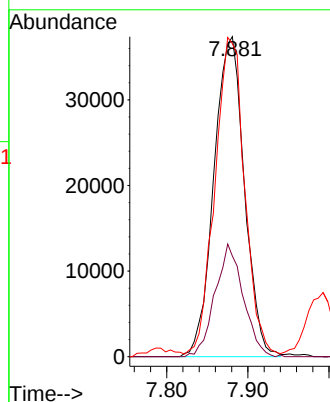
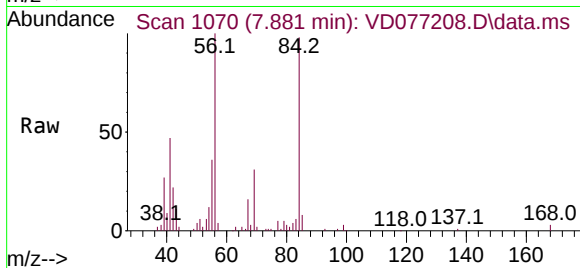
Tgt Ion: 56 Resp: 97501

Ion Ratio Lower Upper

56 100

69 32.5 25.5 38.3

84 96.0 82.6 124.0



#30

1,1,1-Trichloroethane

Concen: 21.108 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

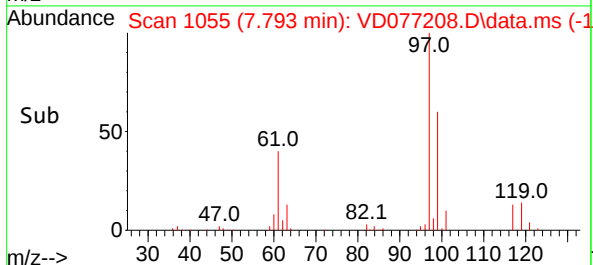
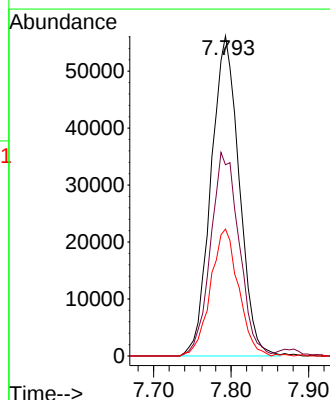
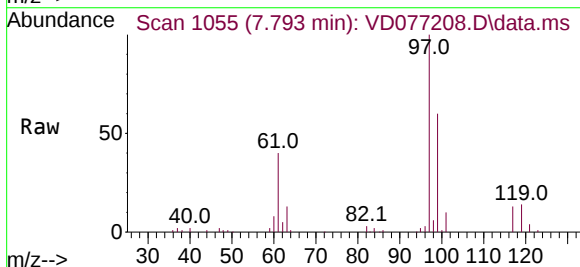
Tgt Ion: 97 Resp: 142068

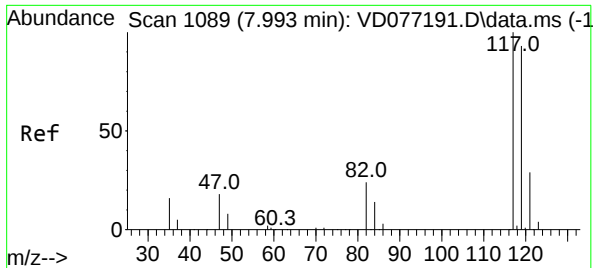
Ion Ratio Lower Upper

97 100

99 64.6 50.7 76.1

61 39.4 32.6 48.8

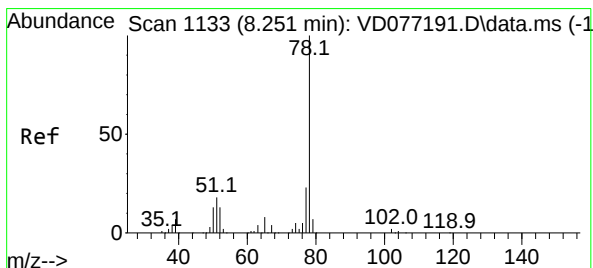
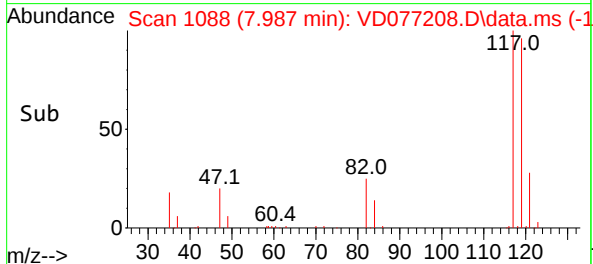
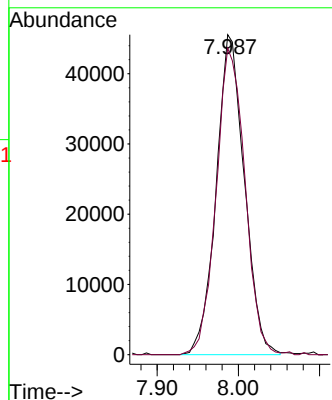
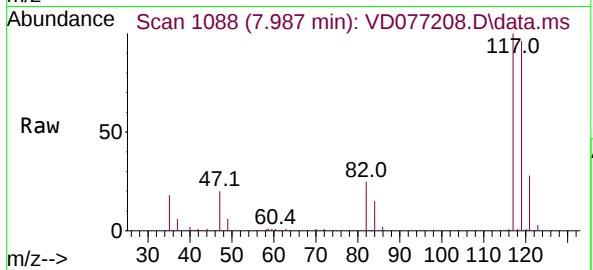




#31
Carbon tetrachloride
Concen: 19.288 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

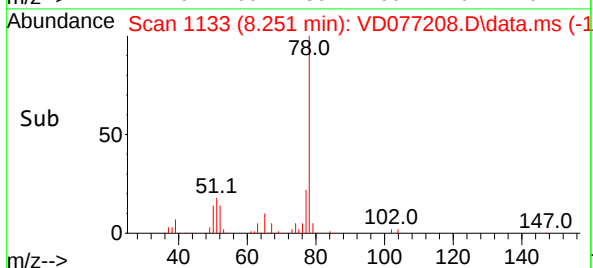
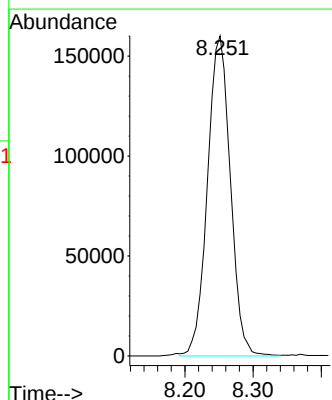
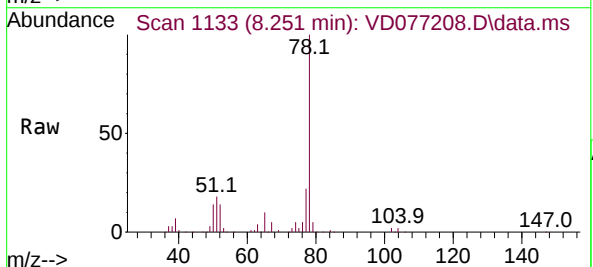
Instrument :
MSVOA_D
ClientSampleId :

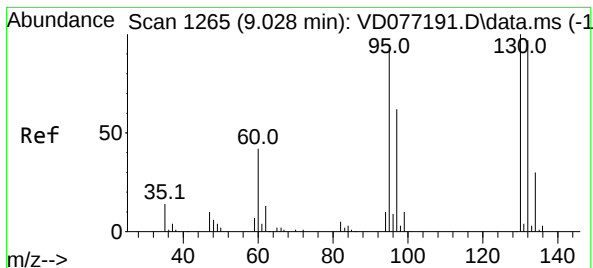
Tgt Ion:117 Resp: 109816
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.4



#33
Benzene
Concen: 21.630 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion: 78 Resp: 374105





#34

Trichloroethene

Concen: 20.022 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

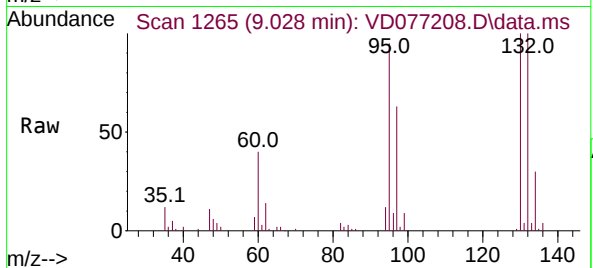
Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 95 Resp: 91826

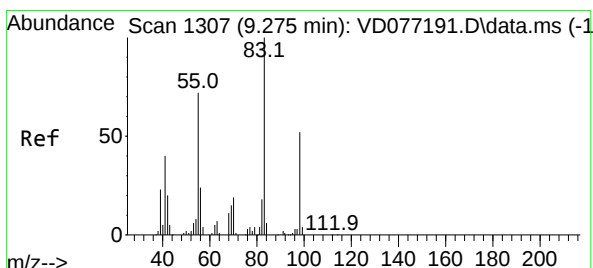
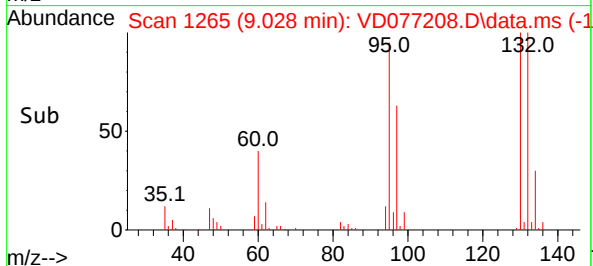
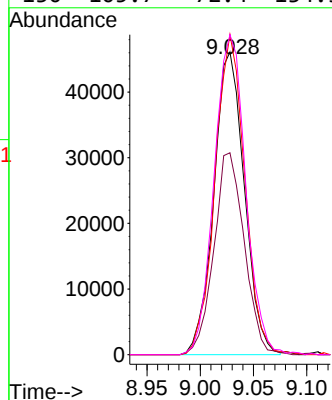
Ion Ratio Lower Upper

95 100

97 66.7 46.4 86.2

132 105.7 70.1 130.1

130 105.7 72.4 134.5



#35

Methylcyclohexane

Concen: 17.538 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

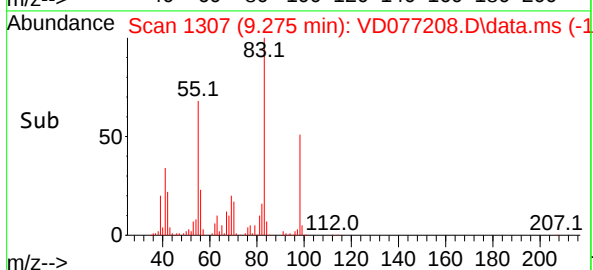
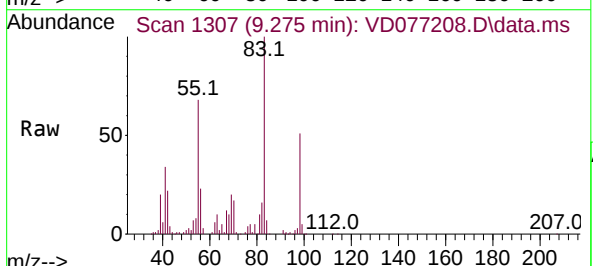
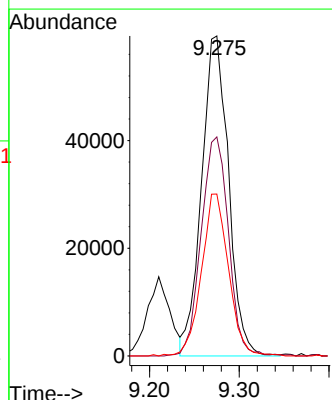
Tgt Ion: 83 Resp: 124038

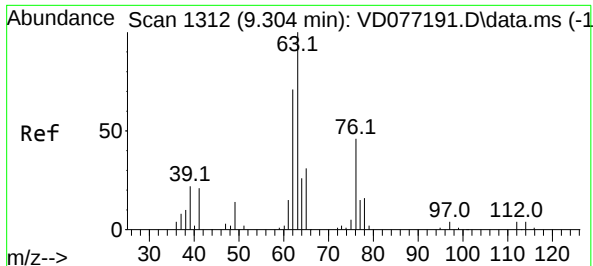
Ion Ratio Lower Upper

83 100

55 69.0 51.5 77.3

98 50.7 40.7 61.1





#37

1,2-Dichloropropane

Concen: 22.899 ug/L

RT: 9.304 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

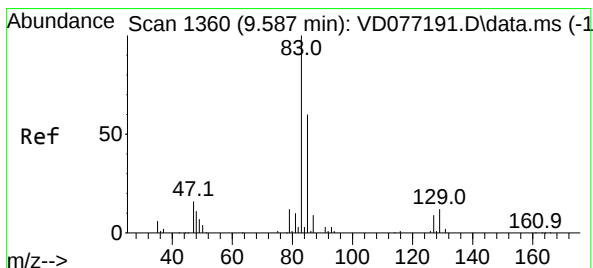
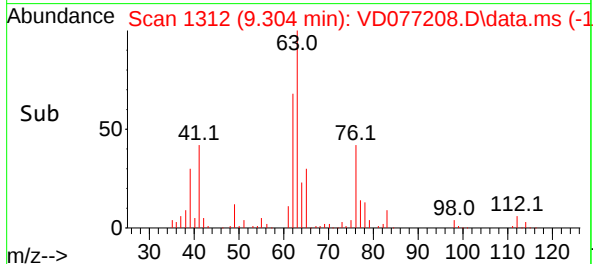
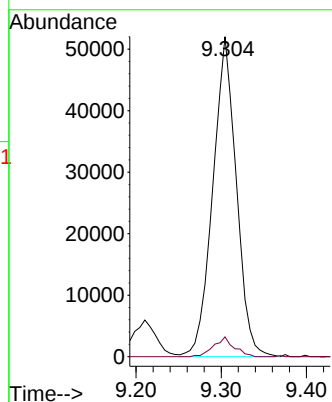
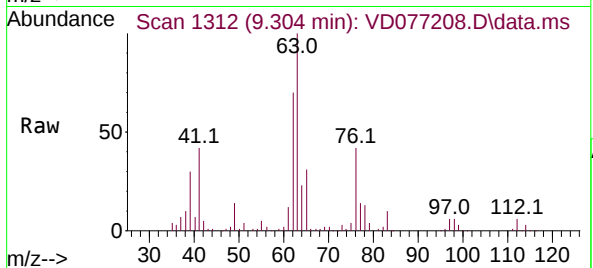
ClientSampleId :

Tgt Ion: 63 Resp: 99895

Ion Ratio Lower Upper

63 100

112 5.3 4.0 6.0



#38

Bromodichloromethane

Concen: 22.432 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

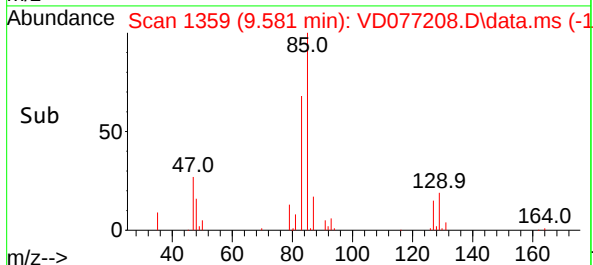
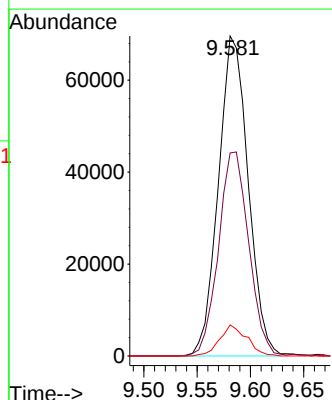
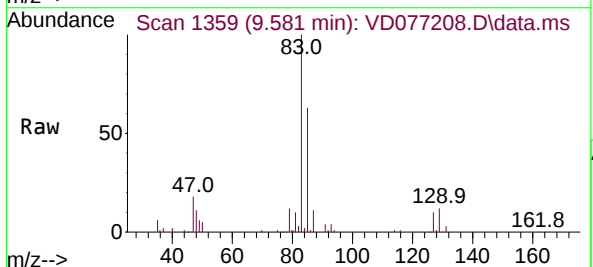
Tgt Ion: 83 Resp: 135006

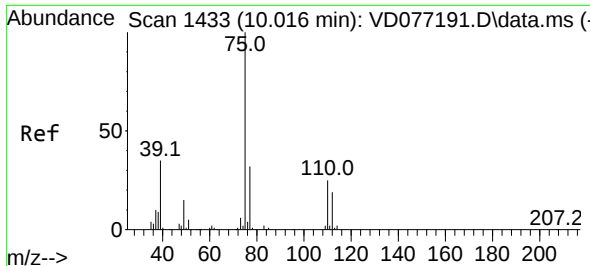
Ion Ratio Lower Upper

83 100

85 63.4 44.0 81.6

127 9.7 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 21.285 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

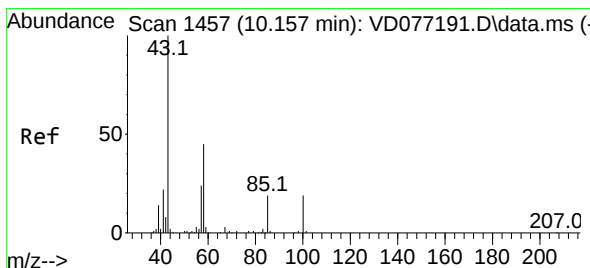
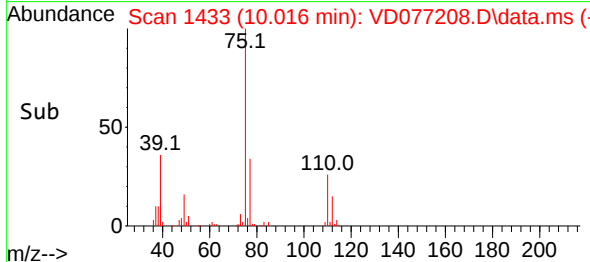
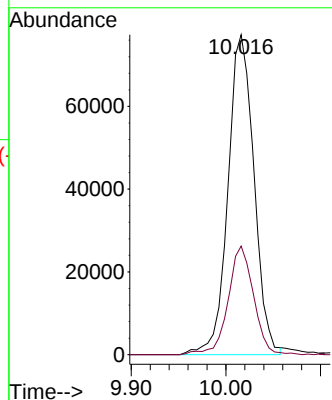
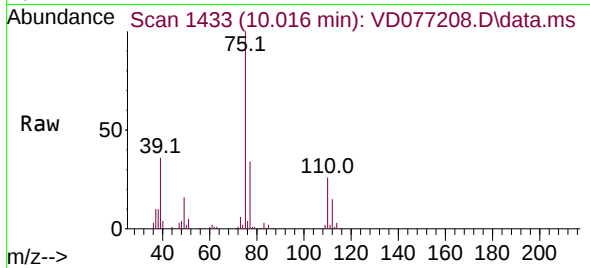
ClientSampleId :

Tgt Ion: 75 Resp: 147627

Ion Ratio Lower Upper

75 100

77 34.0 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 48.084 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

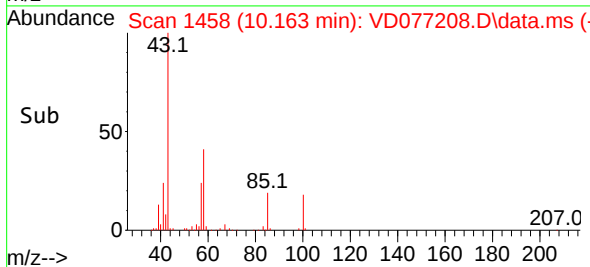
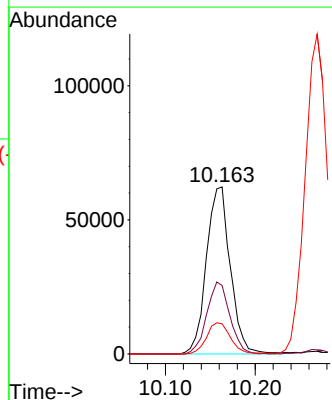
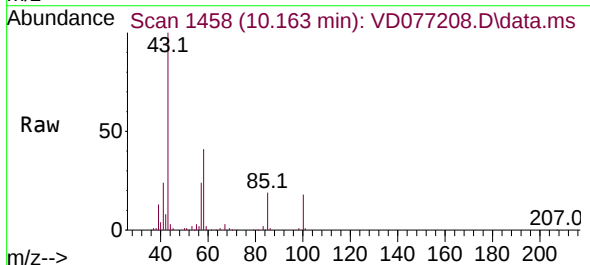
Tgt Ion: 43 Resp: 115288

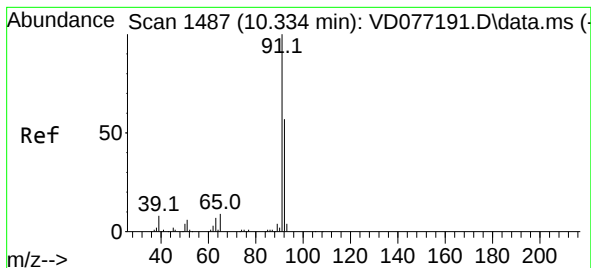
Ion Ratio Lower Upper

43 100

58 41.3 34.6 51.8

100 18.5 16.2 24.4





#42

Toluene

Concen: 21.836 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

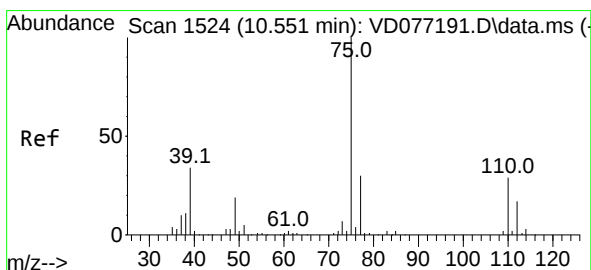
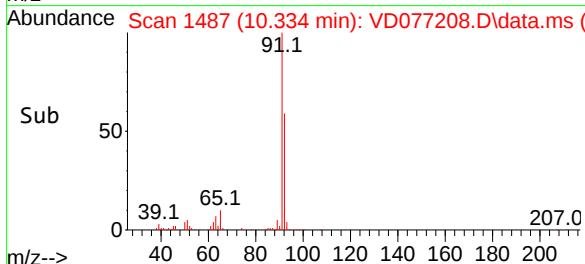
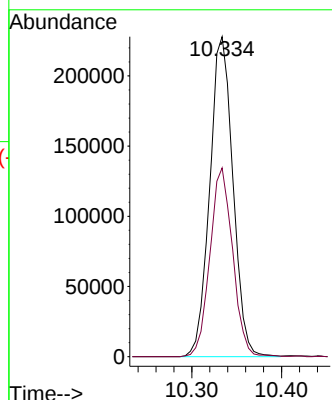
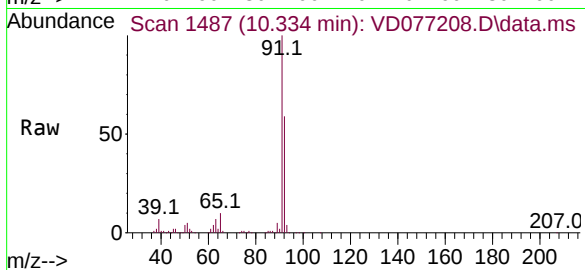
ClientSampleId :

Tgt Ion: 91 Resp: 409087

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 22.132 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD077208.D

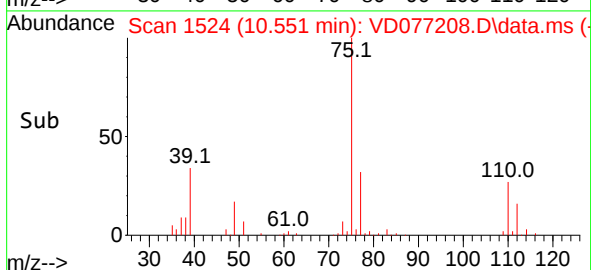
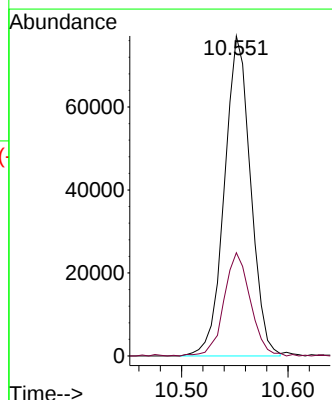
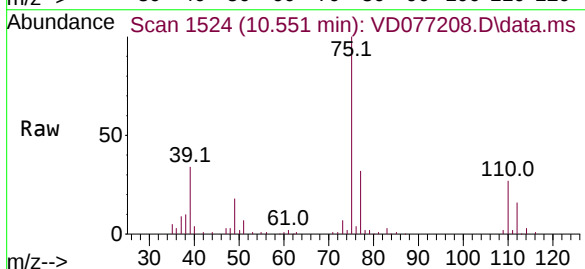
Acq: 22 Sep 2023 19:14

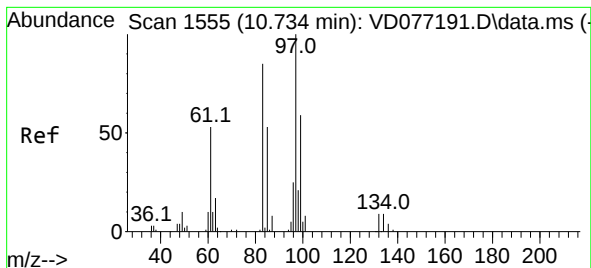
Tgt Ion: 75 Resp: 131236

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 24.305 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 89724

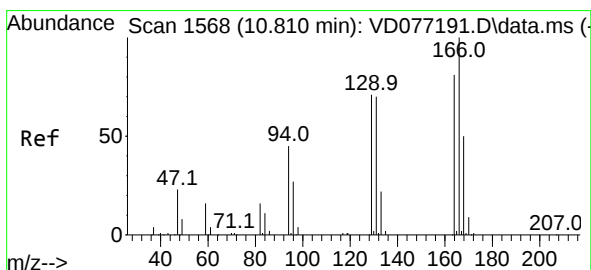
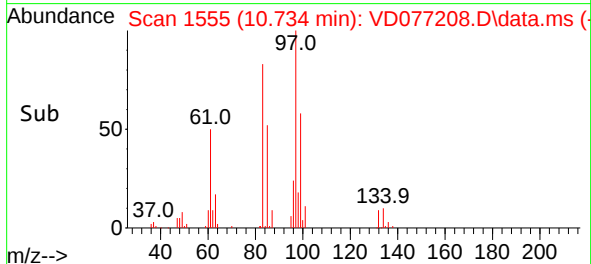
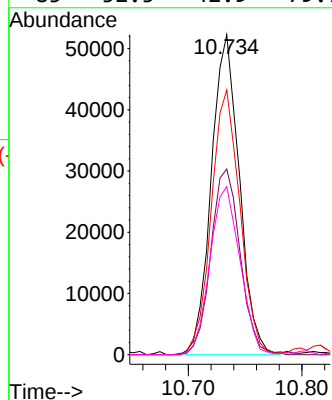
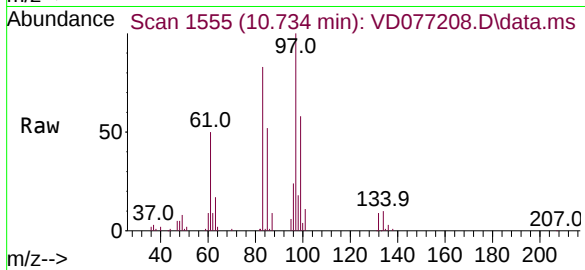
Ion Ratio Lower Upper

97 100

99 58.1 46.1 85.5

83 82.7 64.3 119.3

85 52.5 42.9 79.7



#46

Tetrachloroethene

Concen: 19.448 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Tgt Ion:164 Resp: 72913

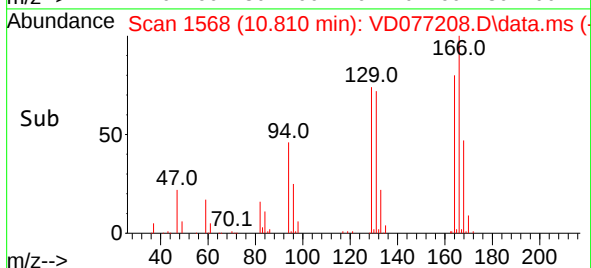
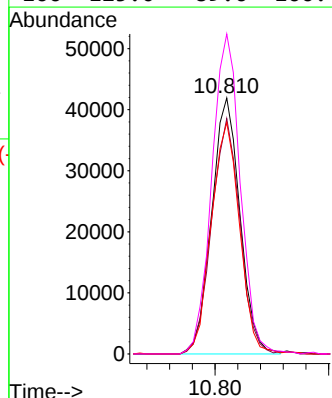
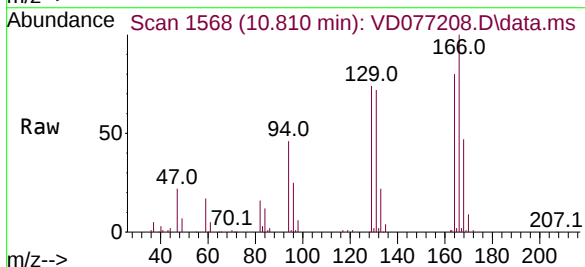
Ion Ratio Lower Upper

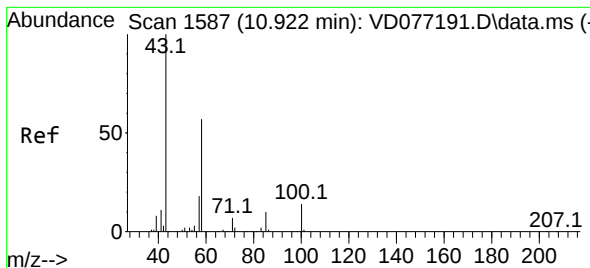
164 100

129 91.9 66.4 123.4

131 90.4 62.6 116.3

166 125.0 89.6 166.4





#48

2-Hexanone

Concen: 44.647 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

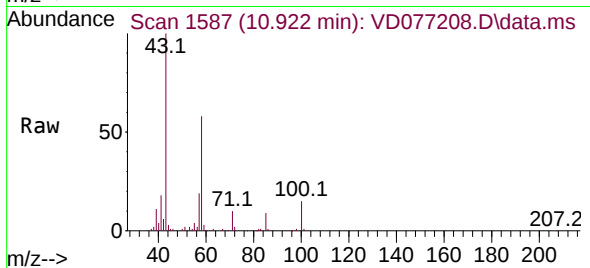
Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 82551

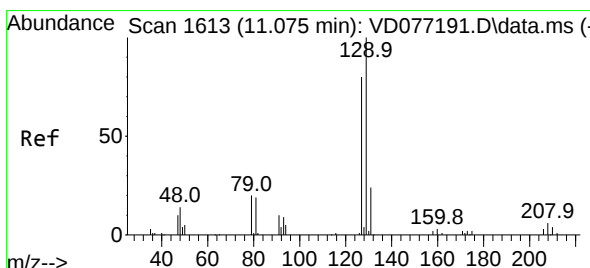
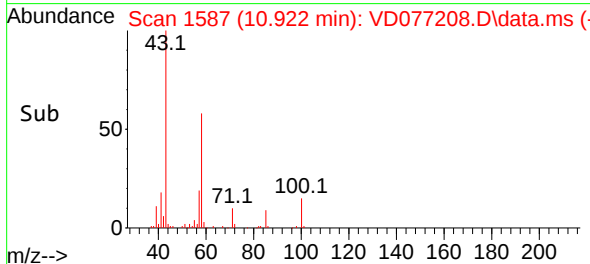
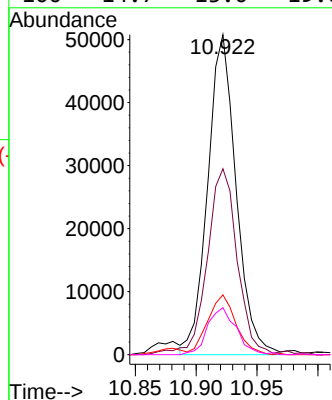
Ion Ratio Lower Upper

43 100

58 61.2 50.6 75.8

57 18.6 16.6 24.8

100 14.7 13.0 19.6



#49

Dibromochloromethane

Concen: 22.898 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD077208.D

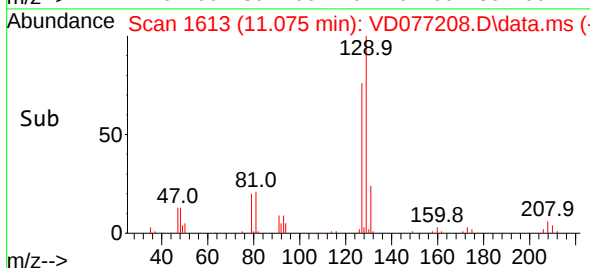
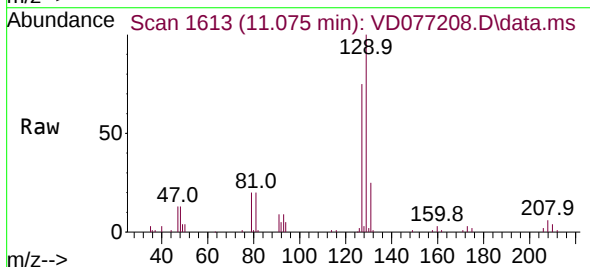
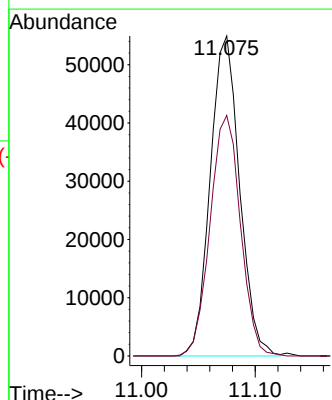
Acq: 22 Sep 2023 19:14

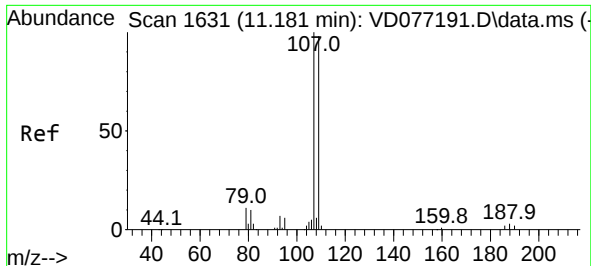
Tgt Ion: 129 Resp: 98729

Ion Ratio Lower Upper

129 100

127 75.1 56.6 105.2





#50

1,2-Dibromoethane

Concen: 22.679 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077208.D

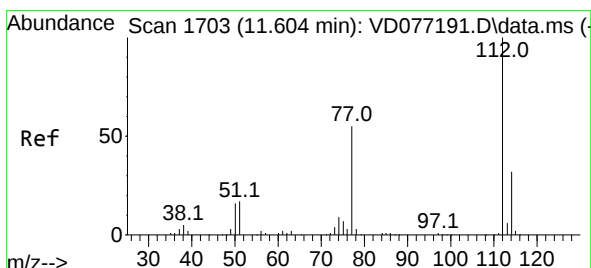
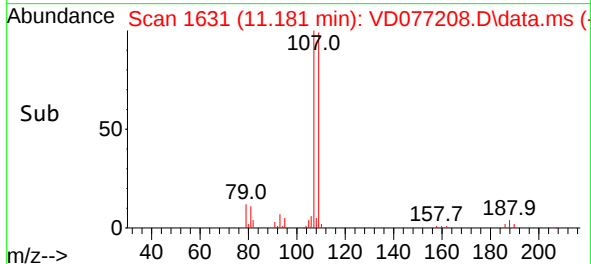
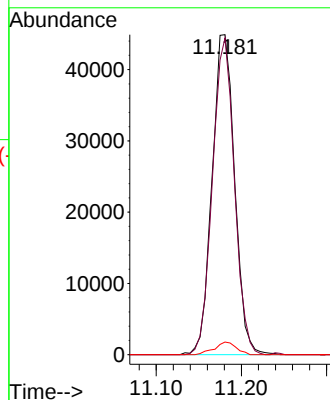
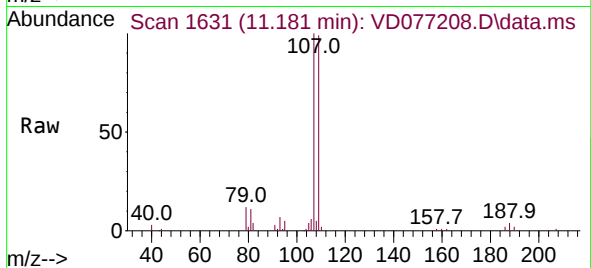
Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp:	82709
Ion Ratio	Lower	Upper
107	100	
109	98.9	62.4 116.0
188	4.0	3.0 4.4



#51

Chlorobenzene

Concen: 21.528 ug/L

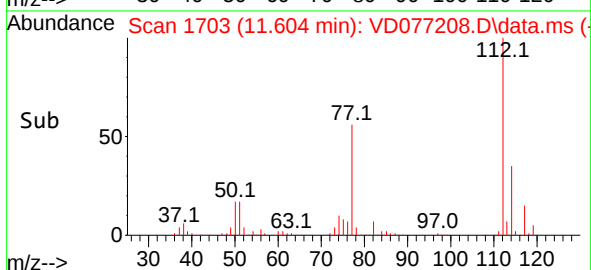
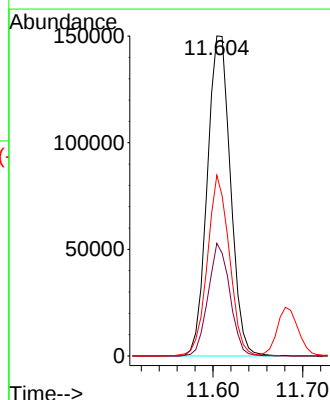
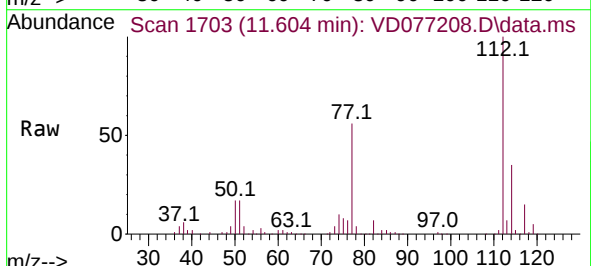
RT: 11.604 min Scan# 1703

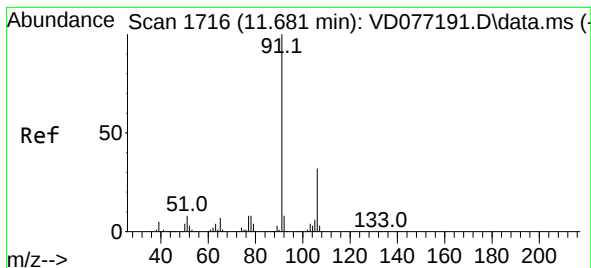
Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Tgt Ion:112	Resp:	269670
Ion Ratio	Lower	Upper
112	100	
114	35.2	21.0 39.0
77	56.4	41.0 61.4

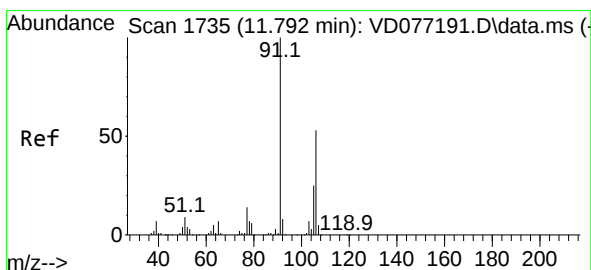
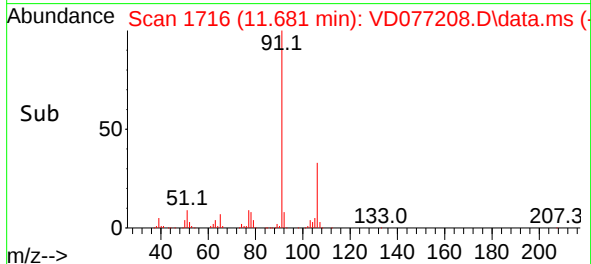
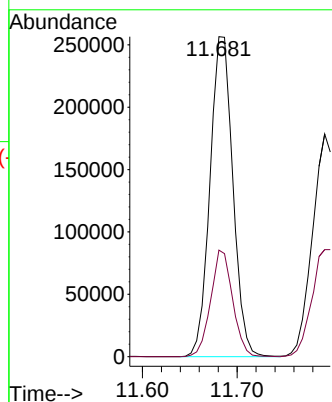
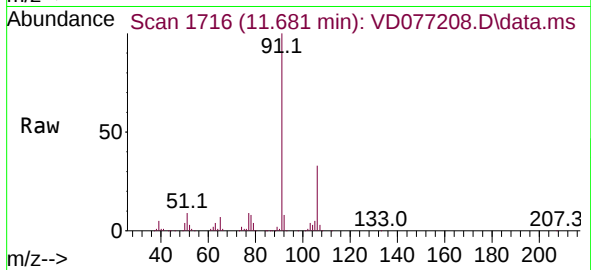




#52
Ethylbenzene
Concen: 21.246 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

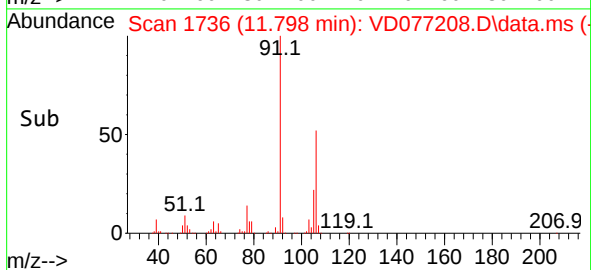
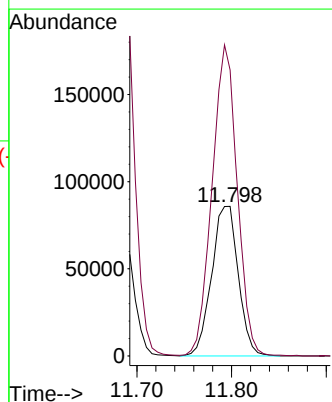
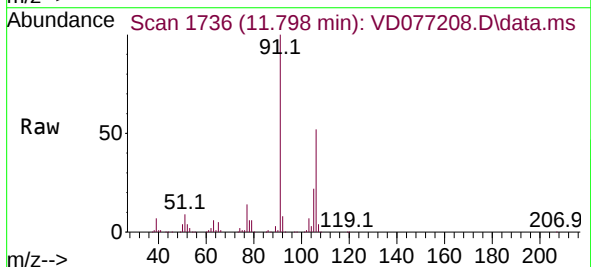
Instrument :
MSVOA_D
ClientSampleId :

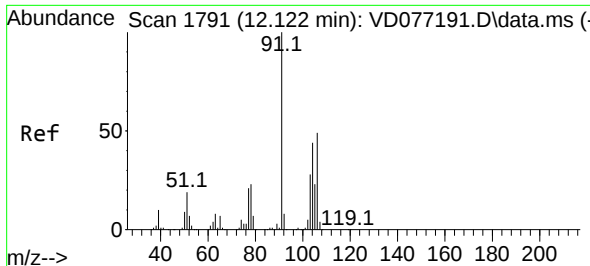
Tgt Ion: 91 Resp: 430754
Ion Ratio Lower Upper
91 100
106 33.3 22.1 41.1



#53
m,p-Xylene
Concen: 21.431 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion: 106 Resp: 167771
Ion Ratio Lower Upper
106 100
91 191.1 138.2 256.6

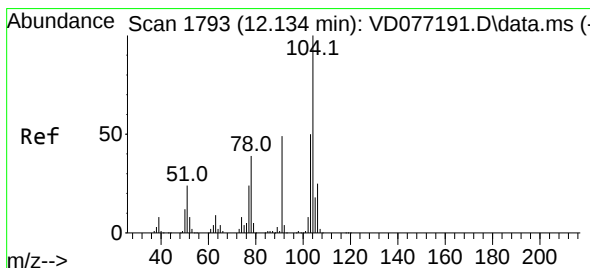
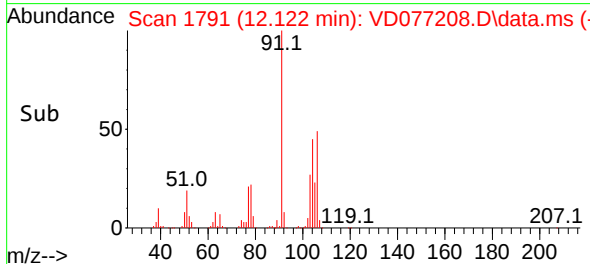
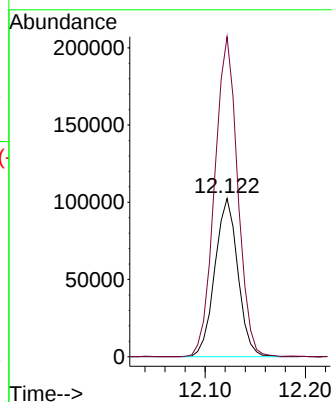
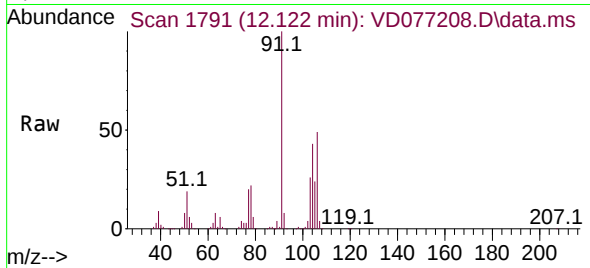




#54
o-Xylene
Concen: 21.602 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

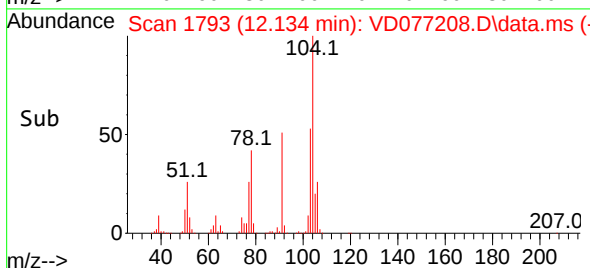
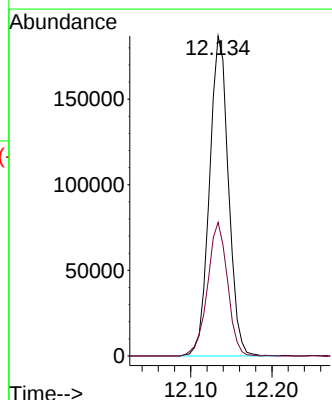
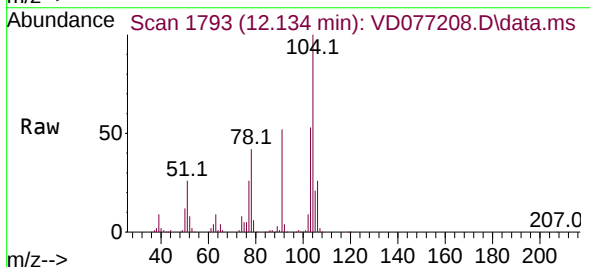
Instrument :
MSVOA_D
ClientSampleId :

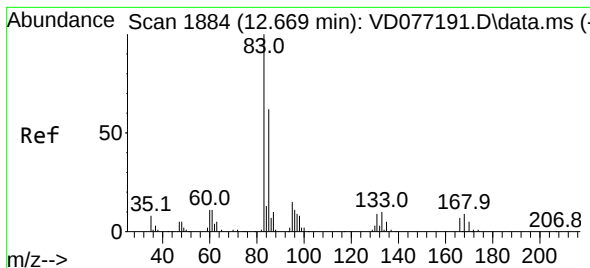
Tgt Ion:106 Resp: 163242
Ion Ratio Lower Upper
106 100
91 202.2 146.9 272.7



#55
Styrene
Concen: 22.471 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion:104 Resp: 303465
Ion Ratio Lower Upper
104 100
78 41.7 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 24.516 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

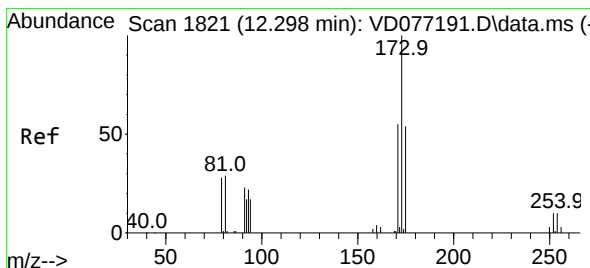
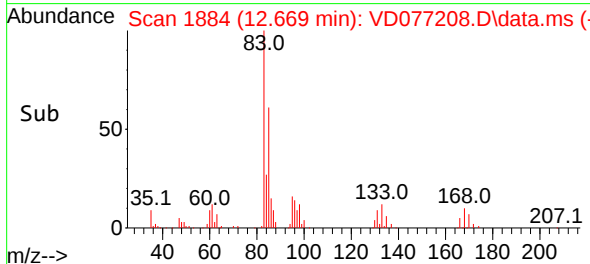
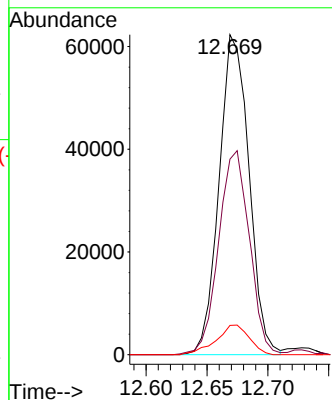
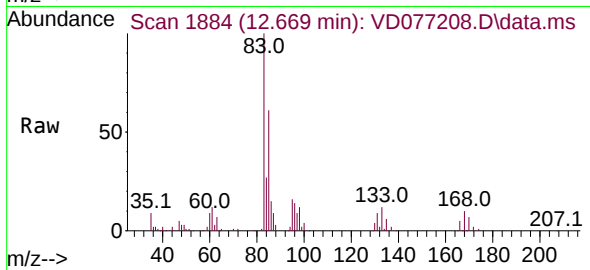
Tgt Ion: 83 Resp: 106445

Ion Ratio Lower Upper

83 100

85 61.1 43.6 81.0

131 9.2 7.8 11.8



#59

Bromoform

Concen: 22.176 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

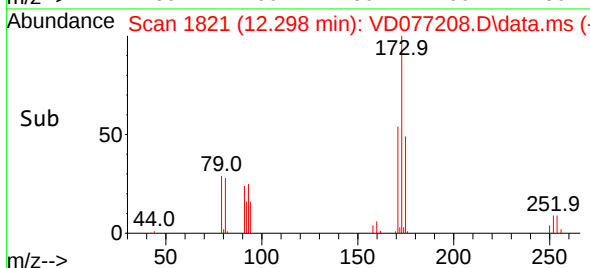
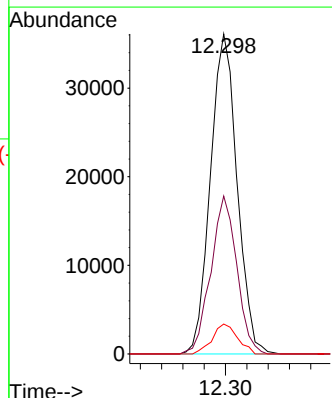
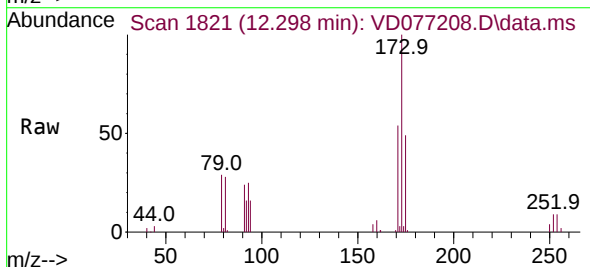
Tgt Ion:173 Resp: 62763

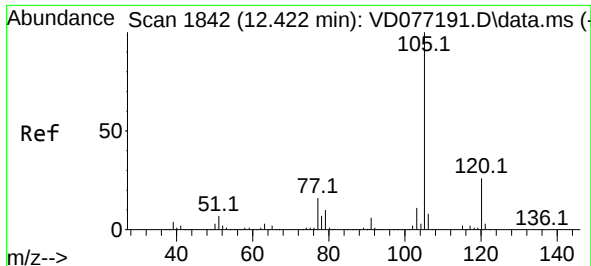
Ion Ratio Lower Upper

173 100

175 48.0 38.7 58.1

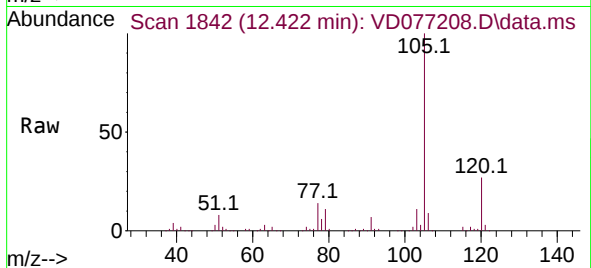
254 8.8 7.0 10.6



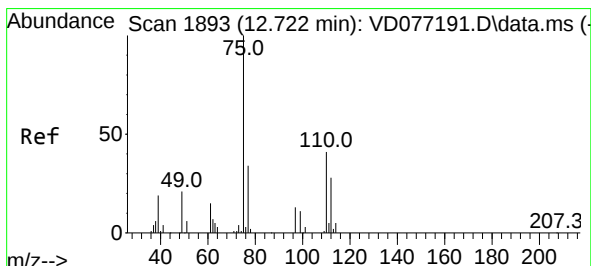
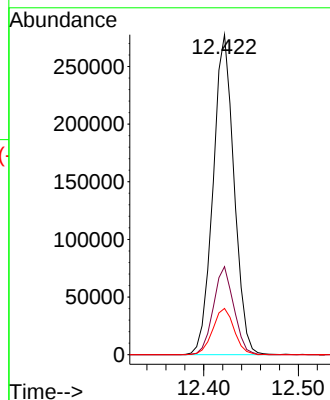
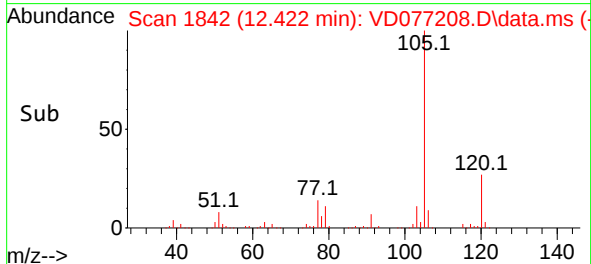


#60
Isopropylbenzene
Concen: 21.139 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

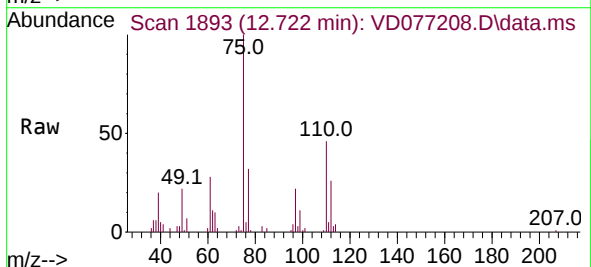
Instrument :
MSVOA_D
ClientSampleId :



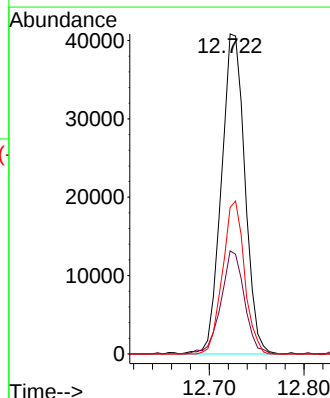
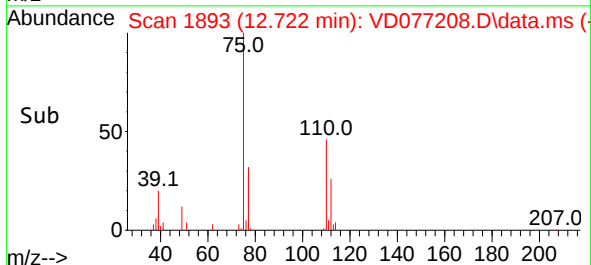
Tgt Ion:105 Resp: 427558
Ion Ratio Lower Upper
105 100
120 26.8 21.8 32.6
77 14.7 11.9 17.9

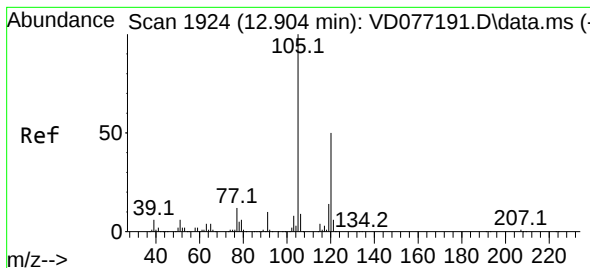


#61
1,2,3-Trichloropropane
Concen: 23.523 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14



Tgt Ion: 75 Resp: 70458
Ion Ratio Lower Upper
75 100
77 32.0 26.6 40.0
110 44.7 33.6 50.4

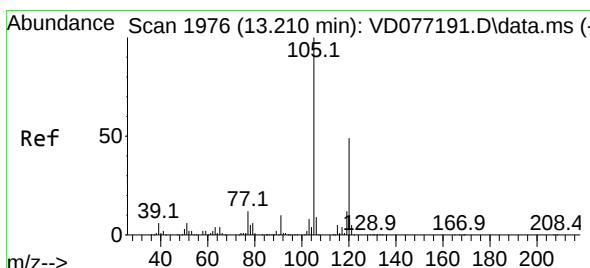
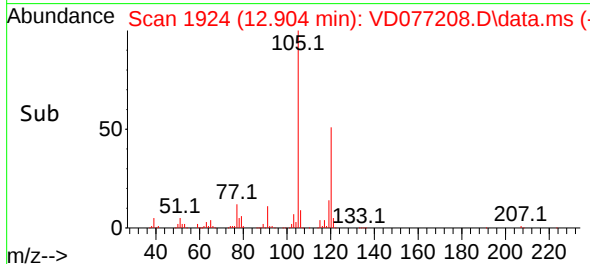
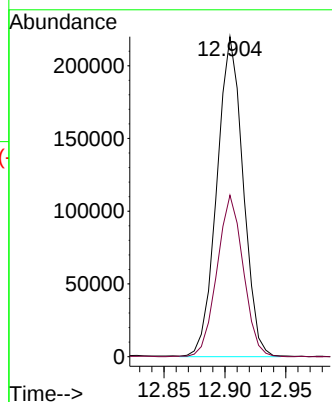
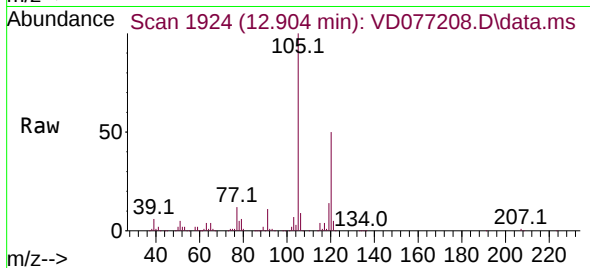




#62
 1,3,5-Trimethylbenzene
 Concen: 21.085 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

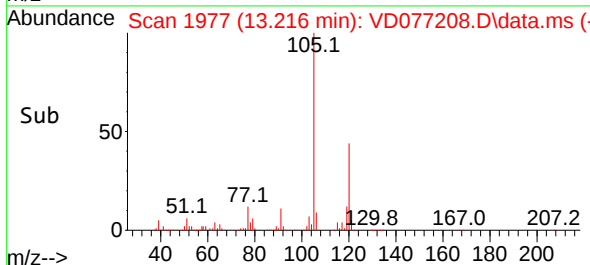
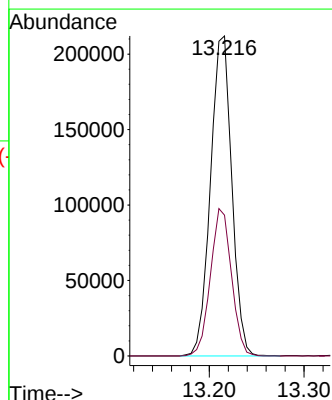
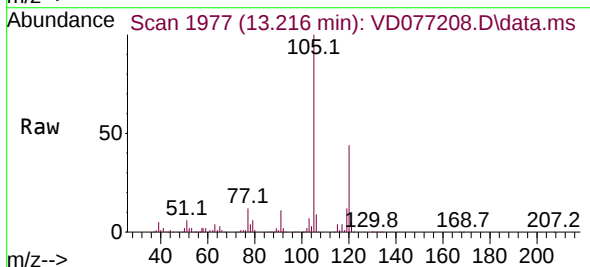
Instrument :
 MSVOA_D
 ClientSampleId :

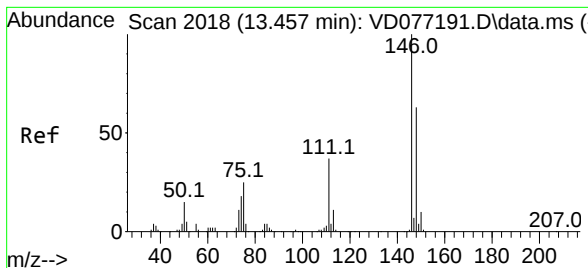
Tgt Ion:105 Resp: 329845
 Ion Ratio Lower Upper
 105 100
 120 50.2 40.2 60.2



#63
 1,2,4-Trimethylbenzene
 Concen: 21.603 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VD077208.D
 Acq: 22 Sep 2023 19:14

Tgt Ion:105 Resp: 331089
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.8 56.8





#64

1,3-Dichlorobenzene

Concen: 21.096 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

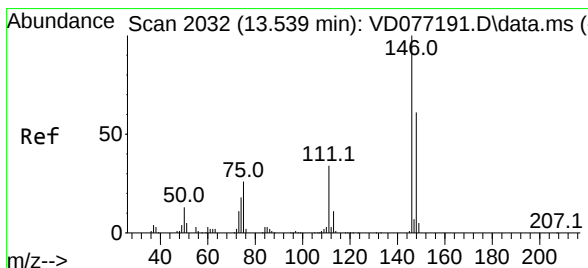
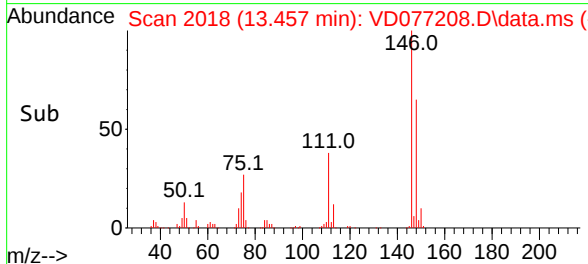
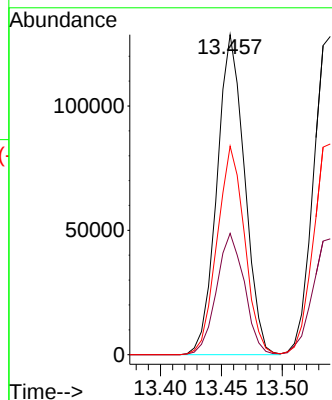
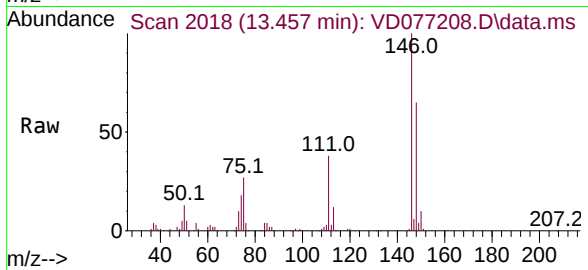
Tgt Ion:146 Resp: 203281

Ion Ratio Lower Upper

146 100

111 37.9 25.2 46.8

148 65.2 42.7 79.3



#65

1,4-Dichlorobenzene

Concen: 21.015 ug/L

RT: 13.539 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

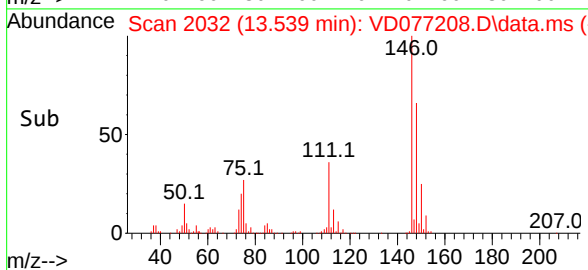
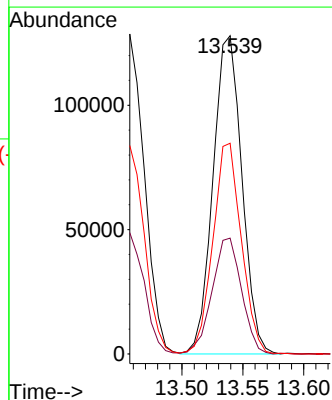
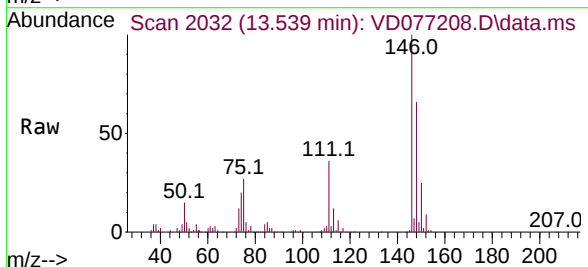
Tgt Ion:146 Resp: 211545

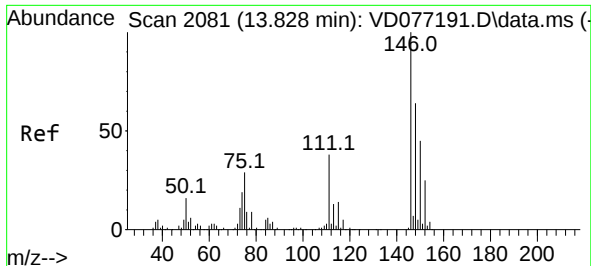
Ion Ratio Lower Upper

146 100

111 36.4 25.5 47.3

148 66.2 45.5 84.5





#67

1,2-Dichlorobenzene

Concen: 21.697 ug/L

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :

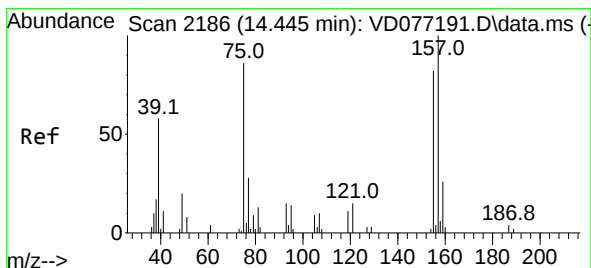
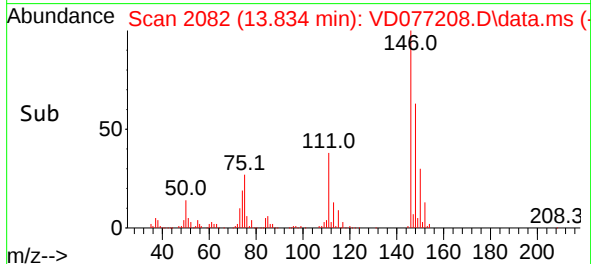
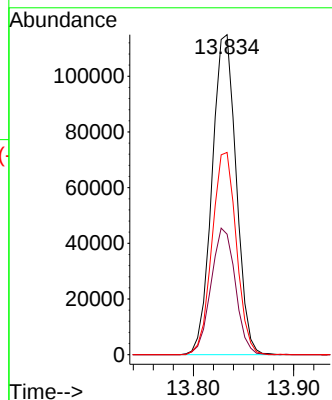
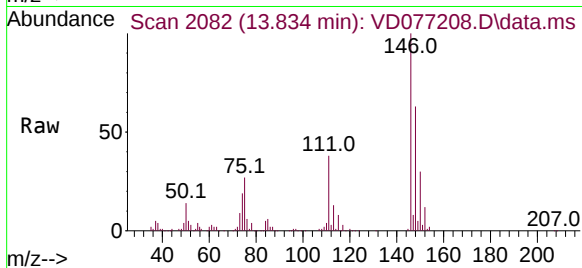
Tgt Ion:146 Resp: 192292

Ion Ratio Lower Upper

146 100

111 37.6 31.8 47.6

148 63.2 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 23.838 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

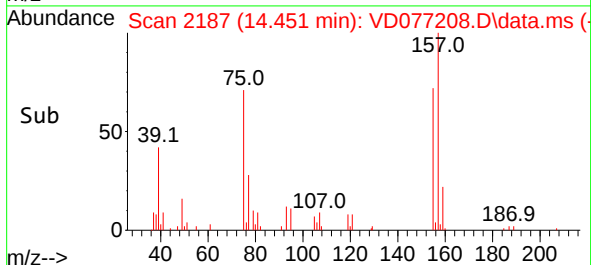
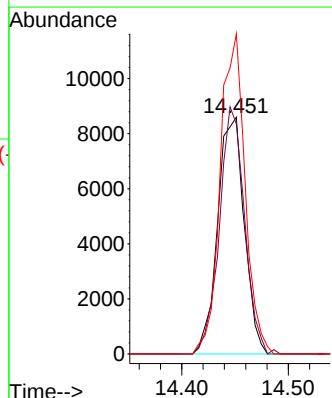
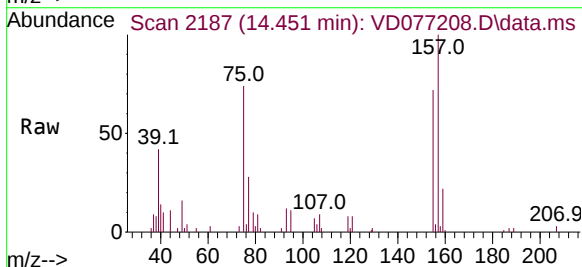
Tgt Ion: 75 Resp: 14933

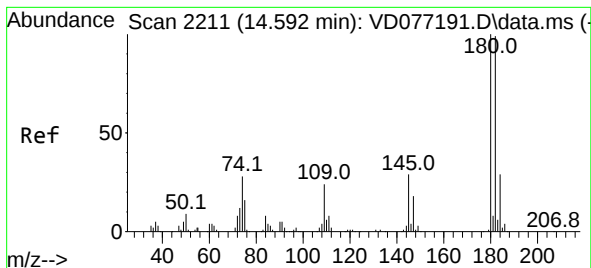
Ion Ratio Lower Upper

75 100

155 97.2 79.0 118.6

157 135.2 100.2 150.4





#69

1,3,5-Trichlorobenzene

Concen: 19.531 ug/L

RT: 14.592 min Scan# 21

Delta R.T. 0.000 min

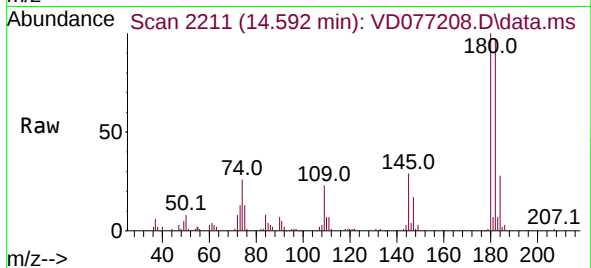
Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 124020

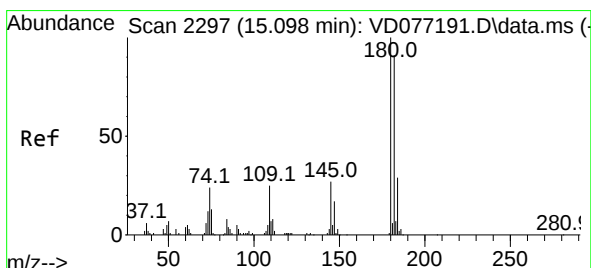
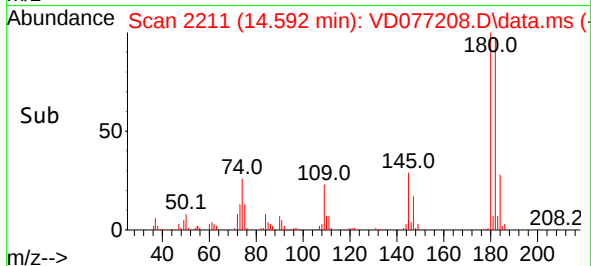
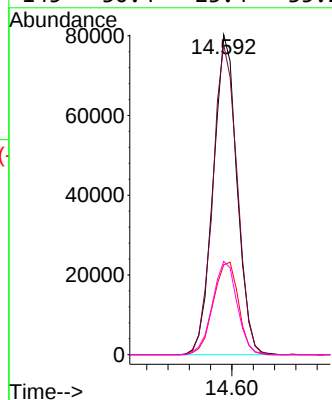
Ion Ratio Lower Upper

180 100

182 99.6 77.0 115.4

184 30.7 24.2 36.2

145 30.4 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 20.101 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD077208.D

Acq: 22 Sep 2023 19:14

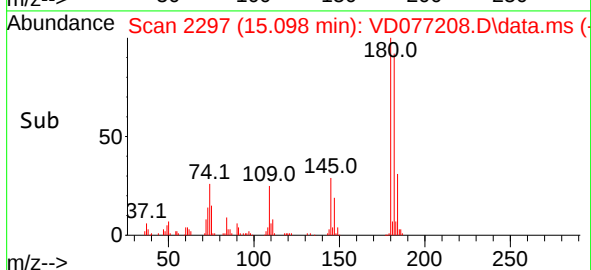
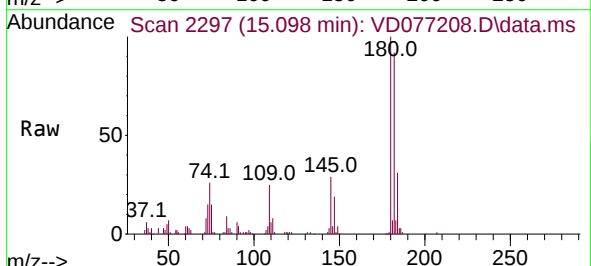
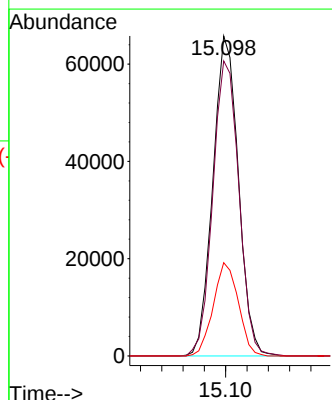
Tgt Ion:180 Resp: 109246

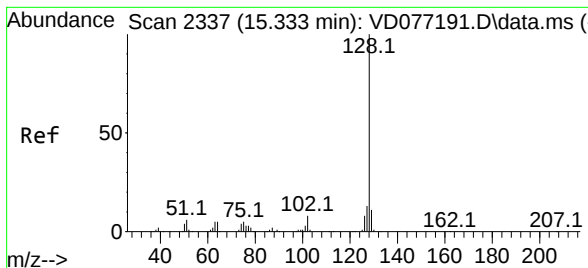
Ion Ratio Lower Upper

180 100

182 94.2 76.3 114.5

145 28.7 23.8 35.8

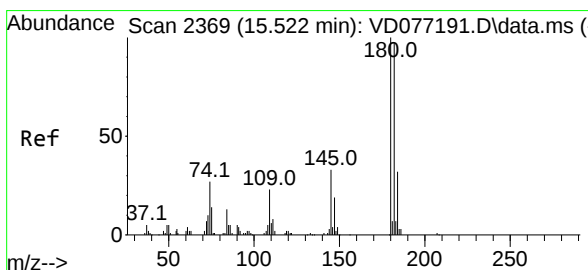
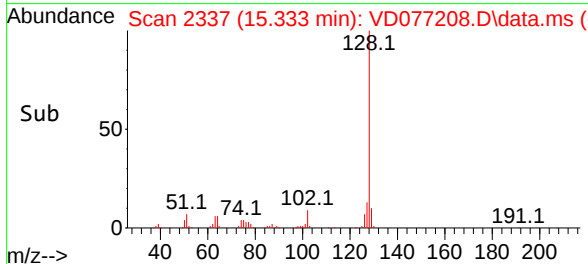
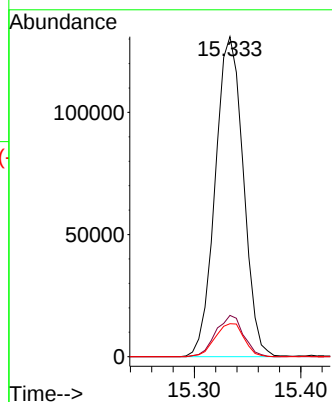
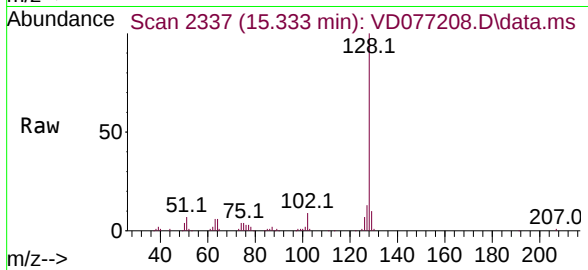




#71
Naphthalene
Concen: 22.062 ug/L
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 239698
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 21.284 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077208.D
Acq: 22 Sep 2023 19:14

Tgt Ion:180 Resp: 106246
Ion Ratio Lower Upper
180 100
182 95.7 76.6 115.0
145 30.2 25.4 38.2

