

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082523\
 Data File : VD077031.D
 Acq On : 25 Aug 2023 22:29
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 25 23:59:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 25 23:54:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	256381	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	269273	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	144956	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	121690	17.259	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.040%
7) Chloroethane-d5	2.793	69	128600	19.730	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.920%
11) 1,1-Dichloroethene-d2	3.911	65	29434	17.618	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.480%
21) 2-Butanone-d5	6.987	46	73761	65.161	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.320%
24) Chloroform-d	7.563	84	213270	25.546	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	8.228	65	110743	26.610	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.440%
32) Benzene-d6	8.199	84	387050	22.862	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.440%
36) 1,2-Dichloropropane-d6	9.210	67	125591	24.128	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.520%
41) Toluene-d8	10.269	98	355988	22.935	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.720%
43) trans-1,3-Dichloroprop...	10.528	79	55329	23.511	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.040%
47) 2-Hexanone-d5	10.881	63	61609	61.962	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.920%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	145402	28.908	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.640%
66) 1,2-Dichlorobenzene-d4	13.816	152	143521	27.082	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.320%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	92329	21.727	ug/L	97
3) Chloromethane	2.146	50	167350	30.355	ug/L	99
5) Vinyl chloride	2.276	62	194424	24.661	ug/L	98
6) Bromomethane	2.681	94	130792	22.225	ug/L	99
8) Chloroethane	2.828	64	129517	24.403	ug/L	98
9) Trichlorofluoromethane	3.170	101	163557	25.056	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	105760	24.864	ug/L	97
12) 1,1-Dichloroethene	3.934	96	93760	24.859	ug/L	79
13) Acetone	4.022	43	49674	42.913	ug/L	96
14) Carbon disulfide	4.264	76	309623	23.652	ug/L	100
15) Methyl Acetate	4.564	43	51024	26.079	ug/L #	80
16) Methylene chloride	4.799	84	129753	24.127	ug/L #	75
17) trans-1,2-Dichloroethene	5.299	96	108918	25.505	ug/L	79
18) Methyl tert-butyl Ether	5.317	73	253800	26.901	ug/L #	91
19) 1,1-Dichloroethane	6.105	63	180650	25.335	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	126728	26.583	ug/L	84
22) 2-Butanone	7.087	43	73817	45.579	ug/L	85
23) Bromochloromethane	7.428	128	62728	27.129	ug/L #	71
25) Chloroform	7.593	83	206813	26.482	ug/L	99

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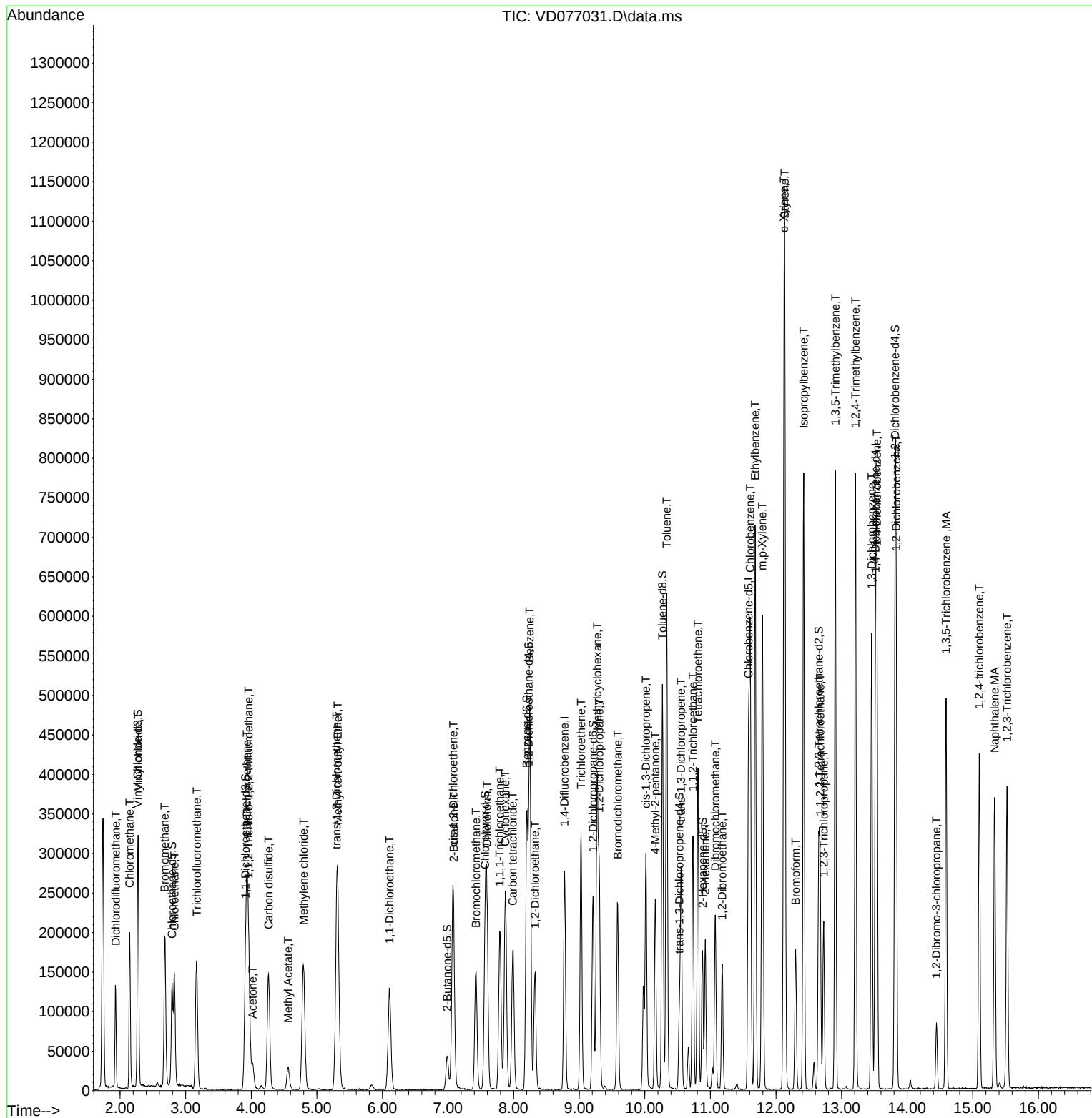
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	131696	26.907	ug/L	96
29) Cyclohexane	7.875	56	134176	22.636	ug/L #	81
30) 1,1,1-Trichloroethane	7.787	97	171537	25.710	ug/L	95
31) Carbon tetrachloride	7.987	117	137358	25.155	ug/L	97
33) Benzene	8.246	78	438462	24.842	ug/L	100
34) Trichloroethene	9.028	95	112778	24.536	ug/L	96
35) Methylcyclohexane	9.275	83	174071	23.222	ug/L	90
37) 1,2-Dichloropropane	9.305	63	113713	25.361	ug/L	99
38) Bromodichloromethane	9.587	83	159530	25.837	ug/L #	98
39) cis-1,3-Dichloropropene	10.016	75	185000	25.566	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	150675	53.336	ug/L #	89
42) Toluene	10.334	91	488937	25.475	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	161690	25.567	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	105504	26.476	ug/L	97
46) Tetrachloroethene	10.810	164	88626	25.583	ug/L	95
48) 2-Hexanone	10.922	43	112732	51.890	ug/L #	90
49) Dibromochloromethane	11.075	129	116888	26.367	ug/L	98
50) 1,2-Dibromoethane	11.181	107	105551	27.159	ug/L	89
51) Chlorobenzene	11.604	112	331983	26.549	ug/L	95
52) Ethylbenzene	11.681	91	533738	26.097	ug/L	98
53) m,p-Xylene	11.793	106	205287	26.014	ug/L	94
54) o-Xylene	12.122	106	203993	26.877	ug/L	96
55) Styrene	12.134	104	378082	27.551	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.675	83	133015	26.989	ug/L	93
59) Bromoform	12.299	173	78713	27.381	ug/L #	98
60) Isopropylbenzene	12.422	105	519591	24.924	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	88734	26.228	ug/L	96
62) 1,3,5-Trimethylbenzene	12.904	105	408647	25.731	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	410522	25.974	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	245676	25.821	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	257095	26.142	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	237758	26.657	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	20387	26.300	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	155339	26.090	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	133415	25.473	ug/L	99
71) Naphthalene	15.334	128	337987	27.445	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	132392	27.874	ug/L	98

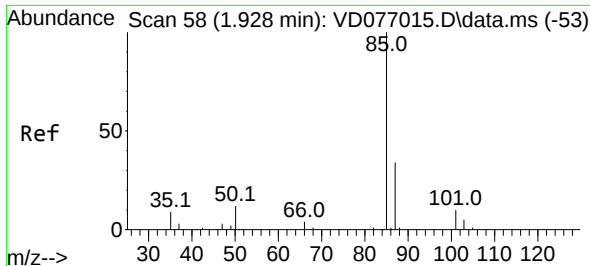
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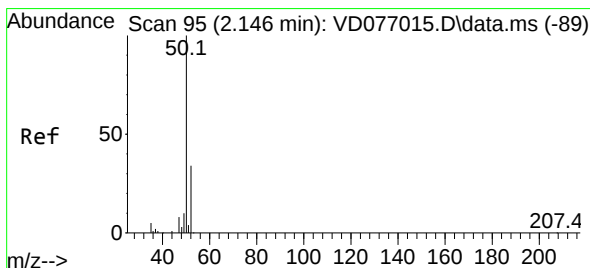
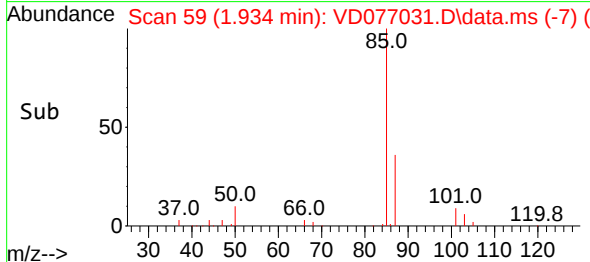
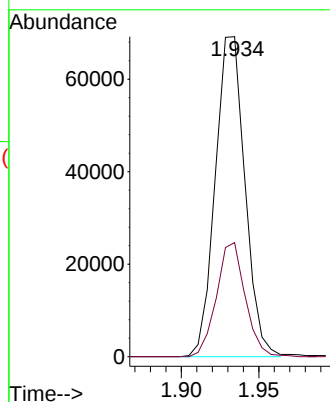
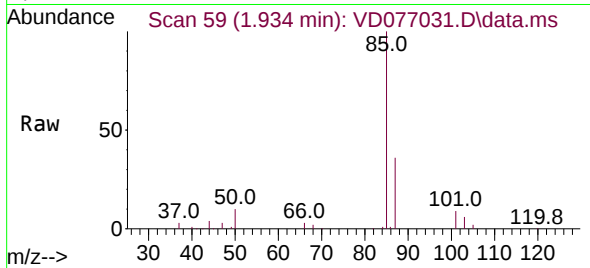




#2
Dichlorodifluoromethane
Concen: 21.727 ug/L
RT: 1.934 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

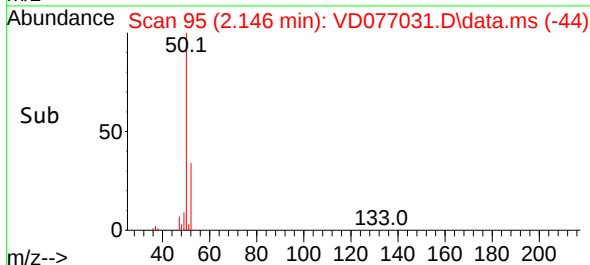
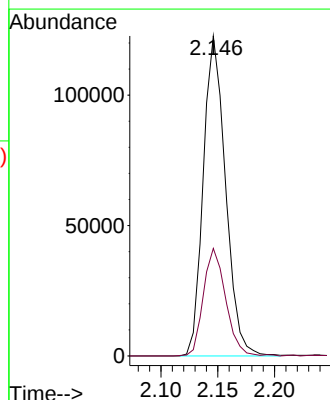
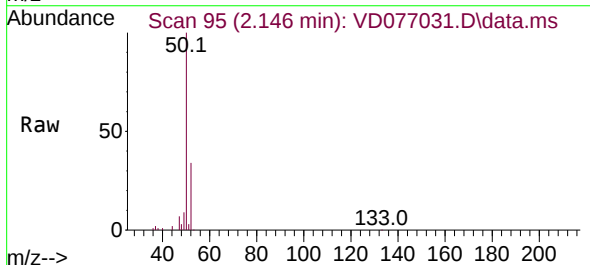
Instrument :
MSVOA_D
ClientSampleId :

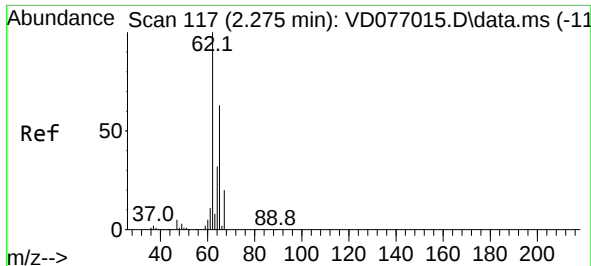
Tgt Ion: 85 Resp: 92329
Ion Ratio Lower Upper
85 100
87 34.5 26.3 39.5



#3
Chloromethane
Concen: 30.355 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion: 50 Resp: 167350
Ion Ratio Lower Upper
50 100
52 33.6 23.2 43.2

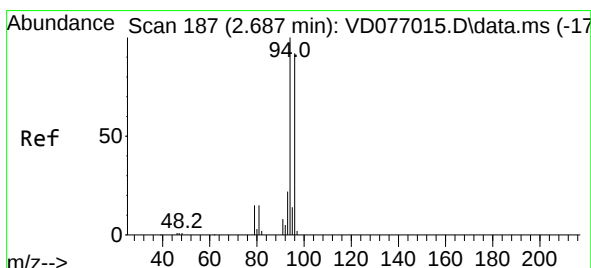
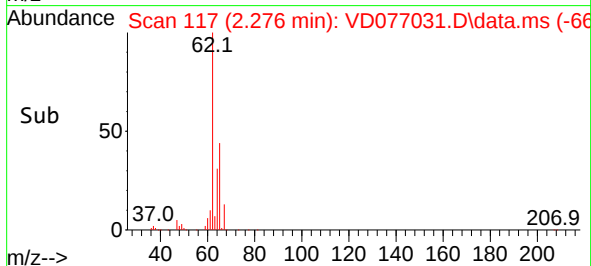
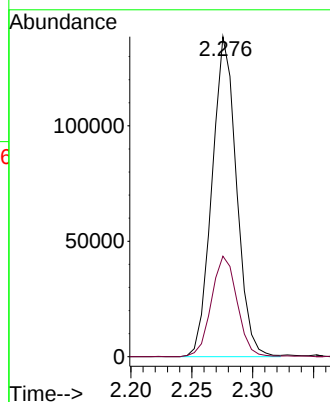
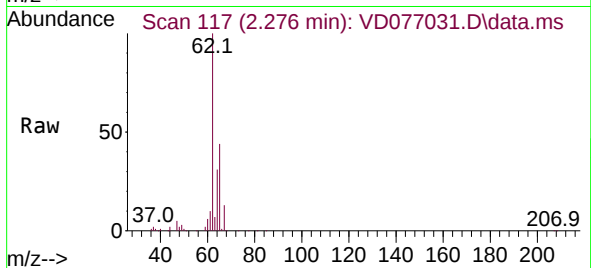




#5
 Vinyl chloride
 Concen: 24.661 ug/L
 RT: 2.276 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VD077031.D
 Acq: 25 Aug 2023 22:29

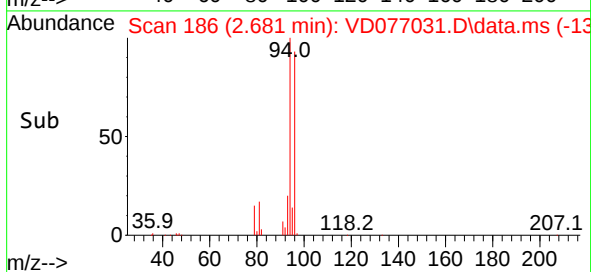
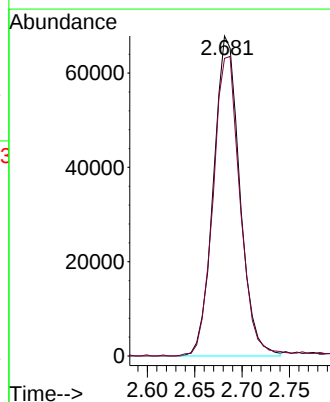
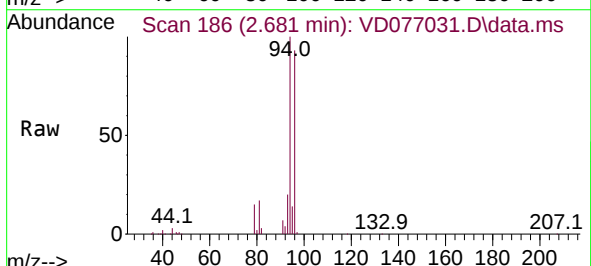
Instrument :
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 ClientSampleId :

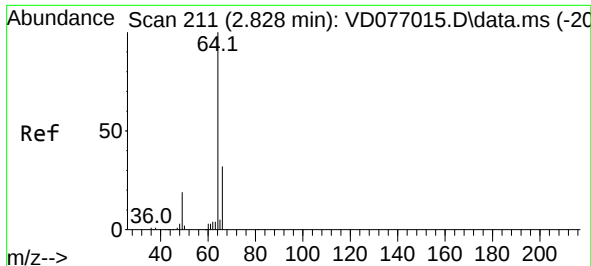
Tgt Ion: 62 Resp: 194424
 Ion Ratio Lower Upper
 62 100
 64 31.4 21.1 39.1



#6
 Bromomethane
 Concen: 22.225 ug/L
 RT: 2.681 min Scan# 186
 Delta R.T. -0.006 min
 Lab File: VD077031.D
 Acq: 25 Aug 2023 22:29

Tgt Ion: 94 Resp: 130792
 Ion Ratio Lower Upper
 94 100
 96 93.0 64.7 120.1





#8

Chloroethane

Concen: 24.403 ug/L

RT: 2.828 min Scan# 211

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

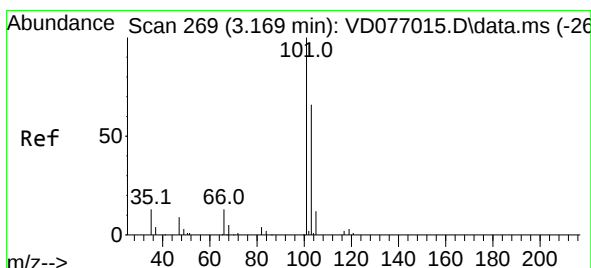
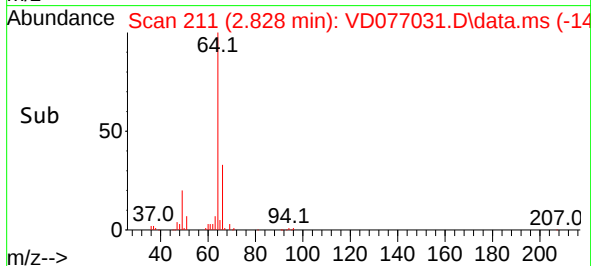
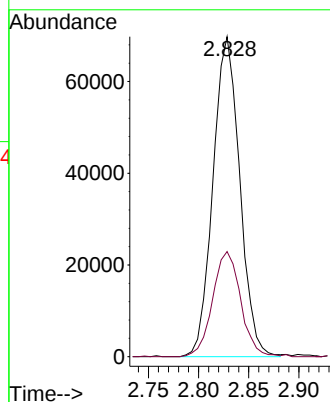
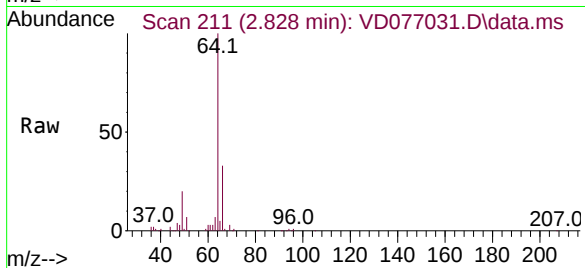
ClientSampleId :

Tgt Ion: 64 Resp: 129517

Ion Ratio Lower Upper

64 100

66 32.8 22.1 41.1



#9

Trichlorofluoromethane

Concen: 25.056 ug/L

RT: 3.170 min Scan# 269

Delta R.T. 0.000 min

Lab File: VD077031.D

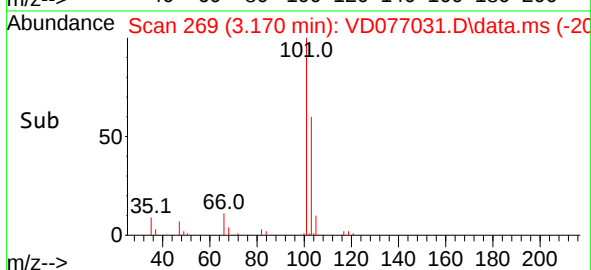
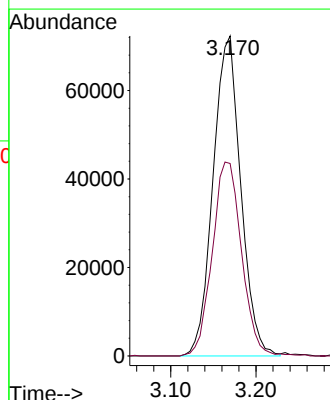
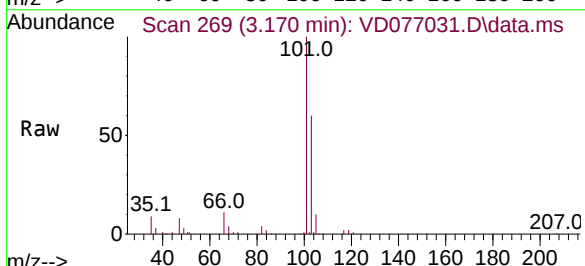
Acq: 25 Aug 2023 22:29

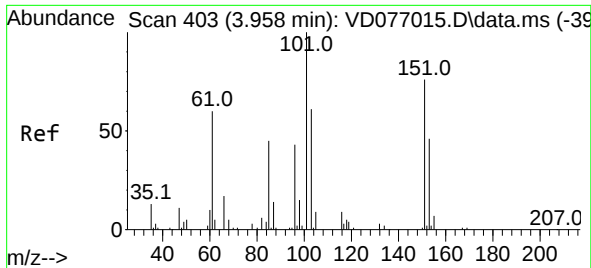
Tgt Ion:101 Resp: 163557

Ion Ratio Lower Upper

101 100

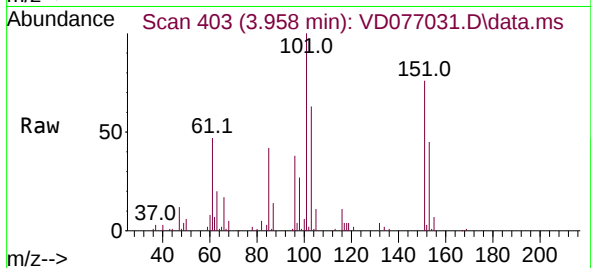
103 63.7 51.8 77.6



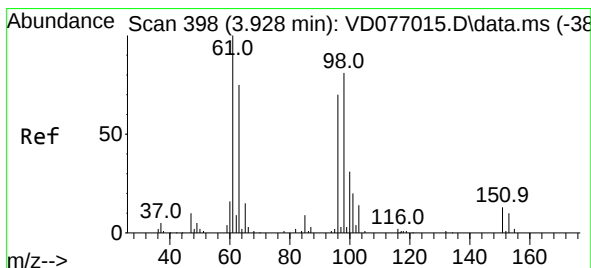
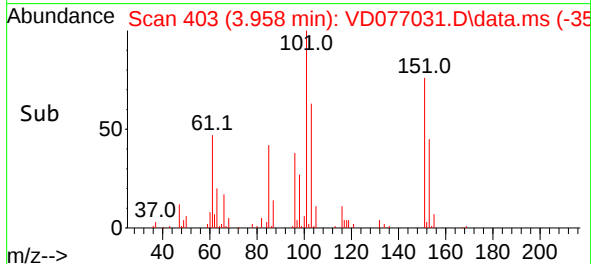
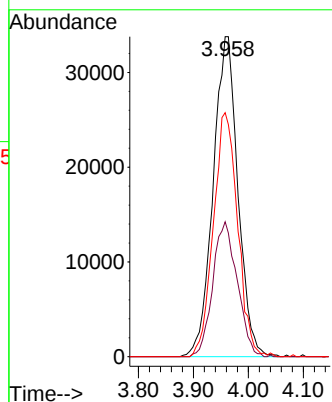


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.864 ug/L
 RT: 3.958 min Scan# 403
 Delta R.T. 0.000 min
 Lab File: VD077031.D
 Acq: 25 Aug 2023 22:29

Instrument :
 MSVOA_D
 ClientSampleId :

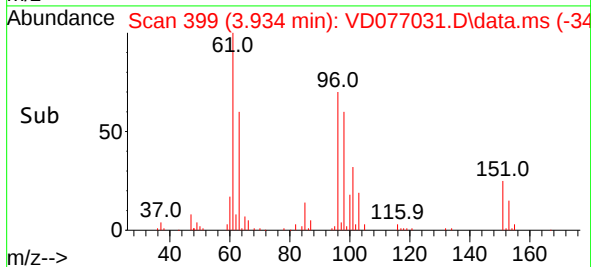
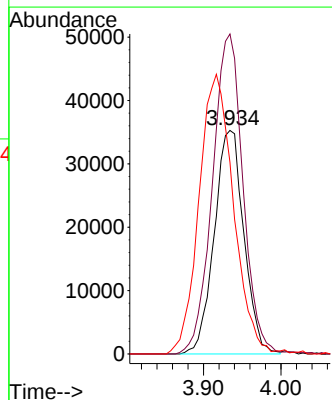
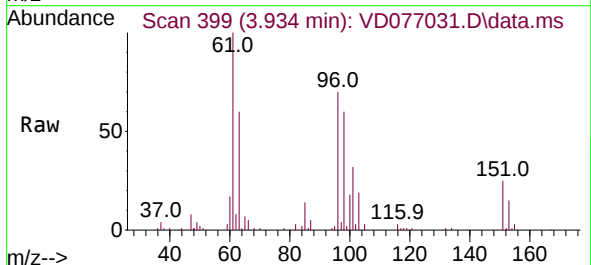


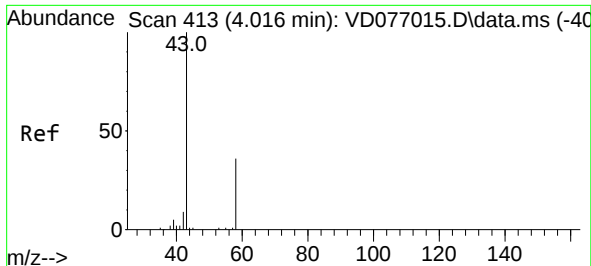
Tgt Ion:	101	Resp:	105760
Ion	Ratio	Lower	Upper
101	100		
85	41.5	35.5	53.3
151	74.4	58.6	87.8



#12
 1,1-Dichloroethene
 Concen: 24.859 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. 0.006 min
 Lab File: VD077031.D
 Acq: 25 Aug 2023 22:29

Tgt Ion:	96	Resp:	93760
Ion	Ratio	Lower	Upper
96	100		
61	143.1	113.0	209.8
63	85.7	83.6	155.2





#13

Acetone

Concen: 42.913 ug/L

RT: 4.022 min Scan# 413

Delta R.T. 0.006 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

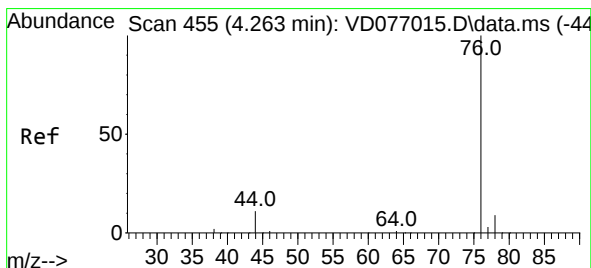
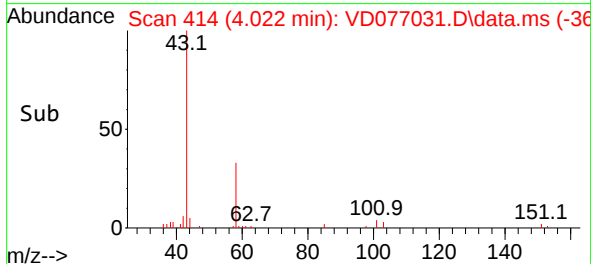
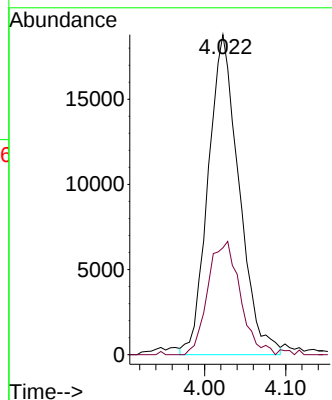
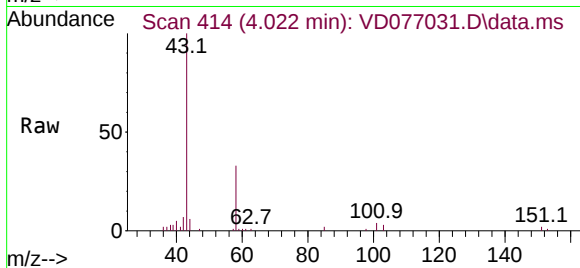
ClientSampleId :

Tgt Ion: 43 Resp: 49674

Ion Ratio Lower Upper

43 100

58 36.2 0.0 67.4



#14

Carbon disulfide

Concen: 23.652 ug/L

RT: 4.264 min Scan# 455

Delta R.T. 0.000 min

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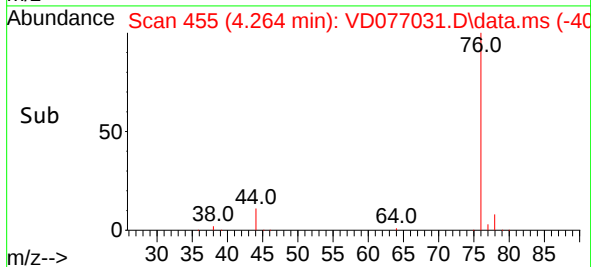
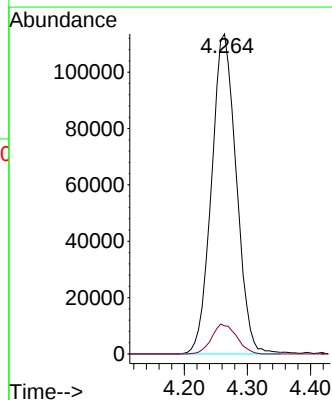
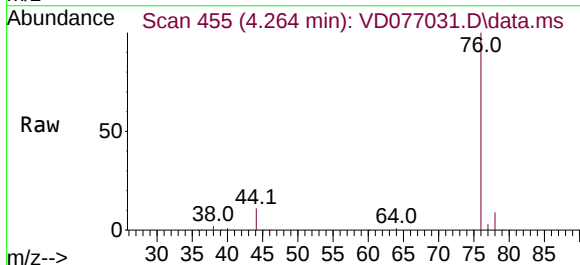
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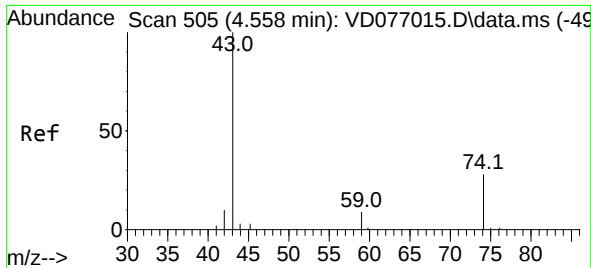
Tgt Ion: 76 Resp: 309623

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

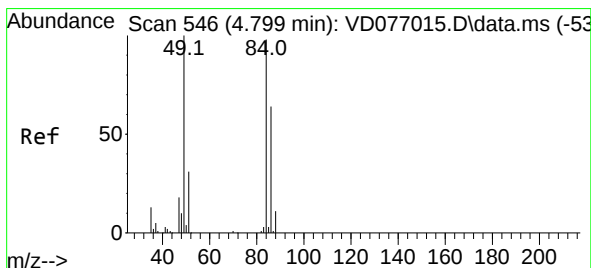
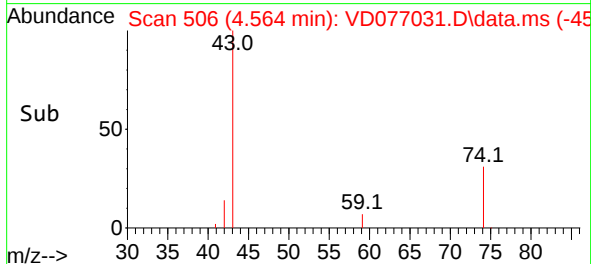
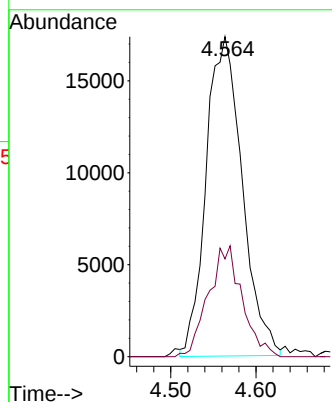
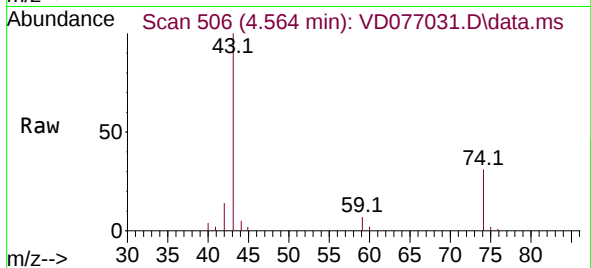




#15
Methyl Acetate
Concen: 26.079 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

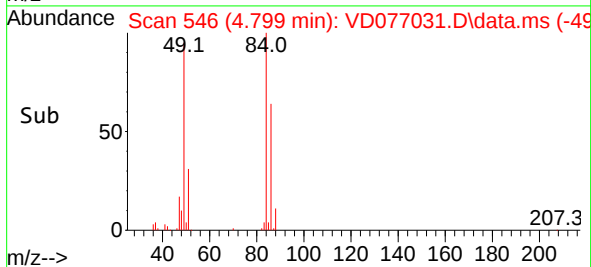
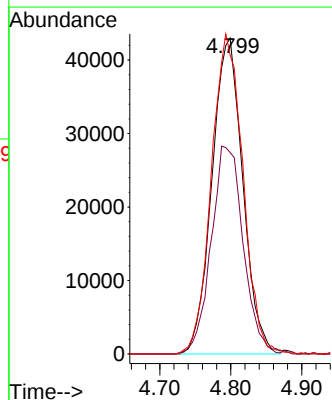
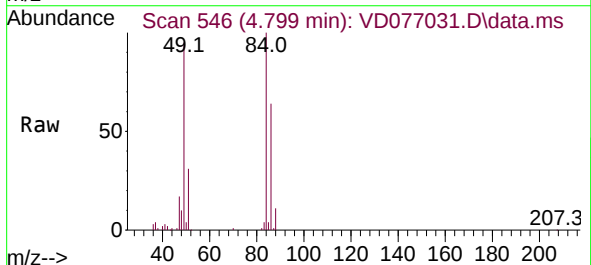
Instrument :
MSVOA_D
ClientSampleId :

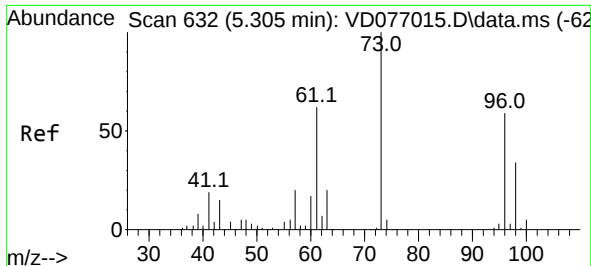
Tgt Ion: 43 Resp: 51024
Ion Ratio Lower Upper
43 100
74 32.4 18.2 27.2#



#16
Methylene chloride
Concen: 24.127 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion: 84 Resp: 129753
Ion Ratio Lower Upper
84 100
86 63.8 45.1 83.9
49 94.6 97.2 180.6#

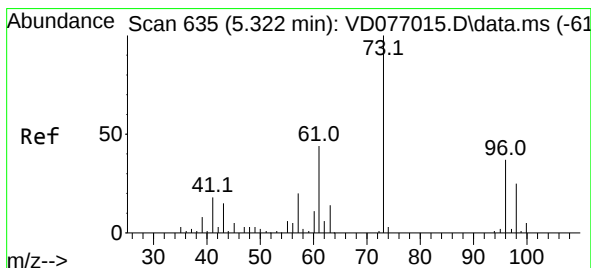
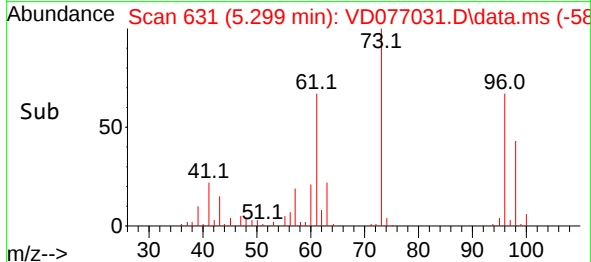
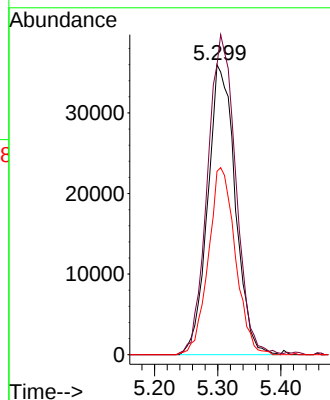
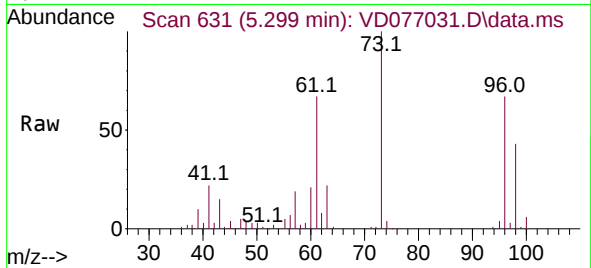




#17
trans-1,2-Dichloroethene
Concen: 25.505 ug/L
RT: 5.299 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

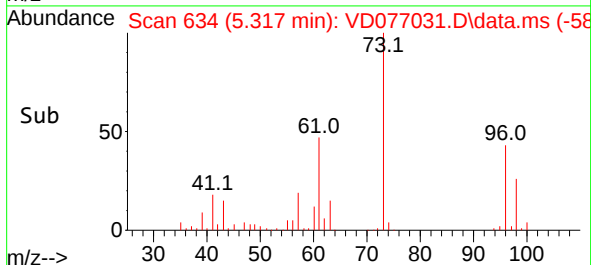
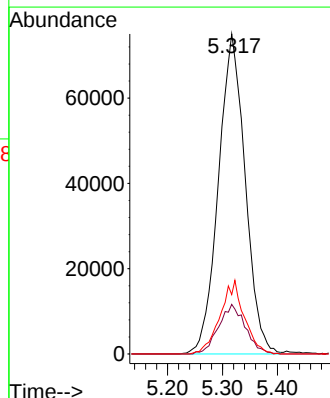
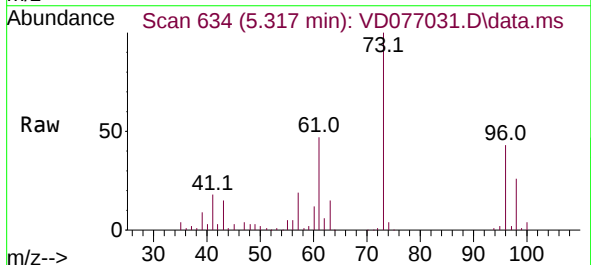
Instrument :
MSVOA_D
ClientSampleId :

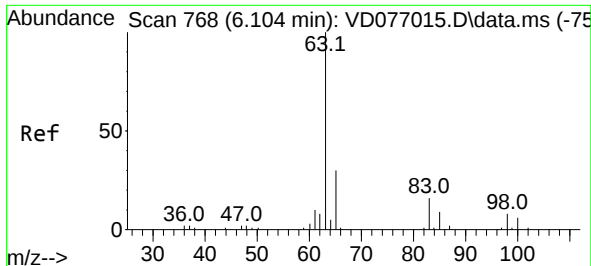
Tgt Ion: 96 Resp: 108918
Ion Ratio Lower Upper
96 100
61 99.9 94.5 175.5
98 63.3 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 26.901 ug/L
RT: 5.317 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion: 73 Resp: 253800
Ion Ratio Lower Upper
73 100
43 15.3 7.2 10.8#
57 20.7 18.6 28.0





#19

1,1-Dichloroethane

Concen: 25.335 ug/L

RT: 6.105 min Scan# 7

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :

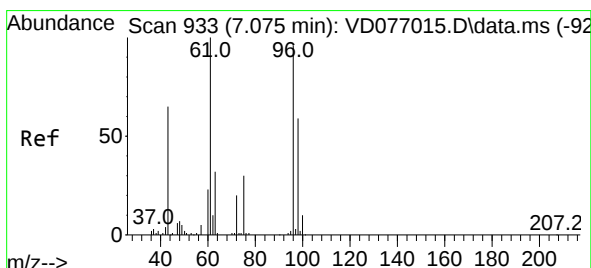
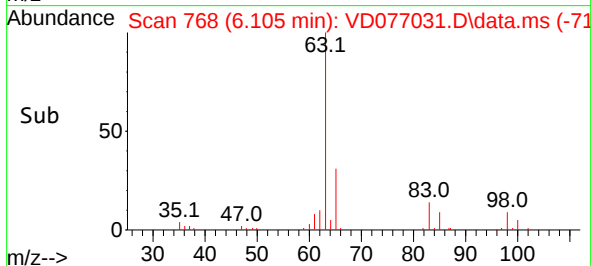
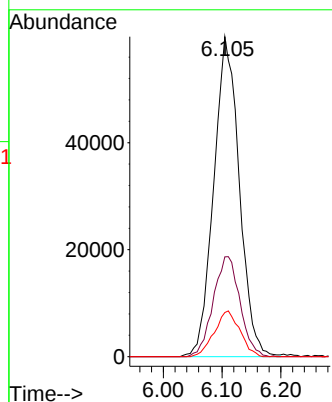
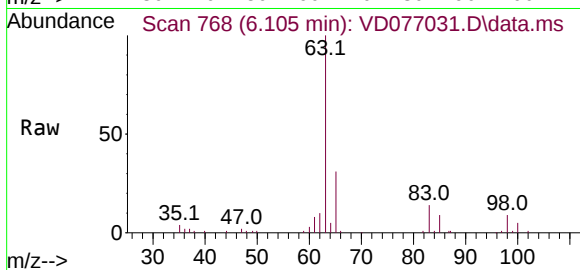
Tgt Ion: 63 Resp: 180650

Ion Ratio Lower Upper

63 100

65 31.2 20.8 38.6

83 13.8 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 26.583 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

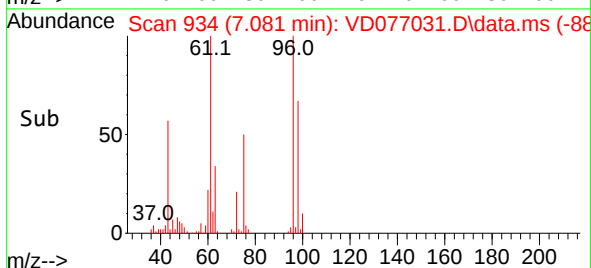
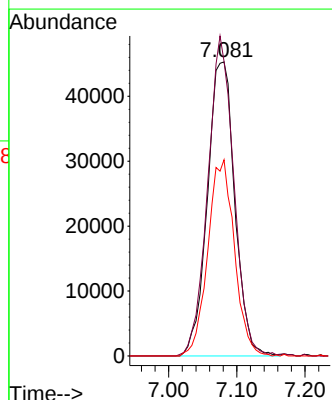
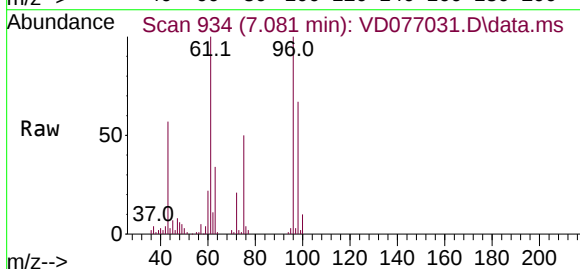
Tgt Ion: 96 Resp: 126728

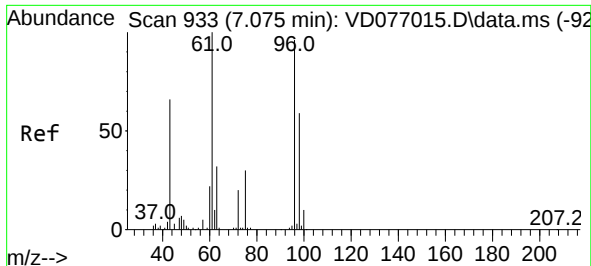
Ion Ratio Lower Upper

96 100

61 100.2 86.0 159.6

98 66.7 42.2 78.4

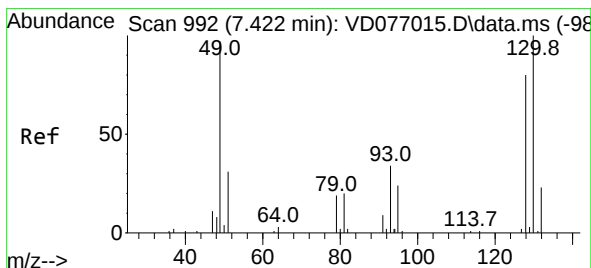
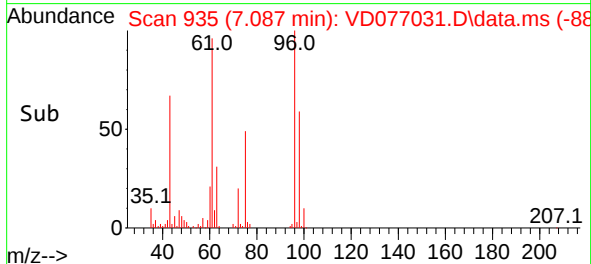
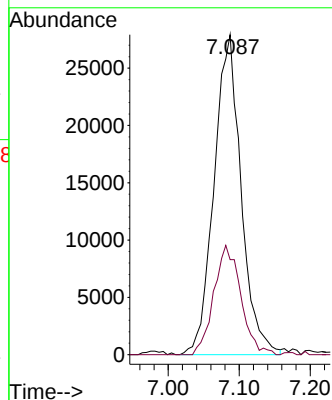
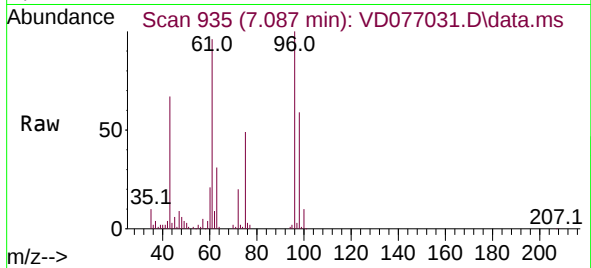




#22
2-Butanone
Concen: 45.579 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

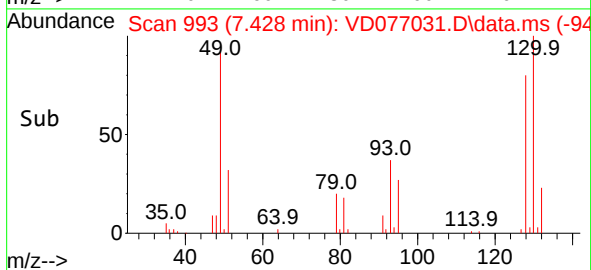
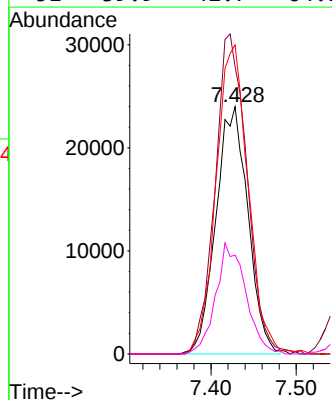
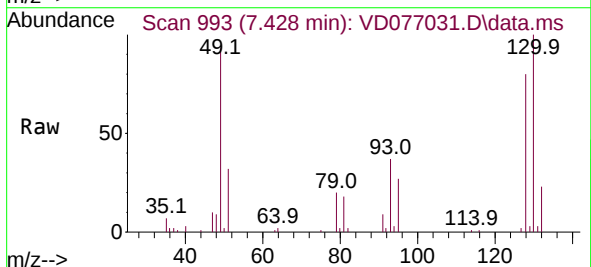
Instrument :
MSVOA_D
ClientSampleId :

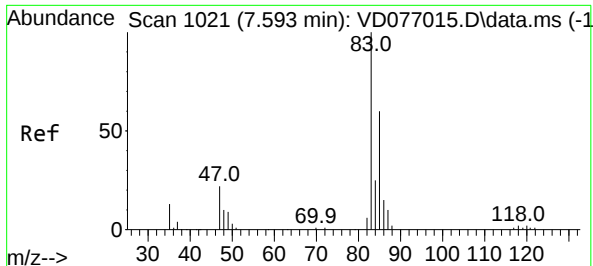
Tgt Ion: 43 Resp: 73817
Ion Ratio Lower Upper
43 100
72 33.4 12.9 38.7



#23
Bromochloromethane
Concen: 27.129 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion: 128 Resp: 62728
Ion Ratio Lower Upper
128 100
49 116.2 124.7 231.7#
130 125.0 80.0 148.6
51 39.9 42.7 64.1#





#25

Chloroform

Concen: 26.482 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

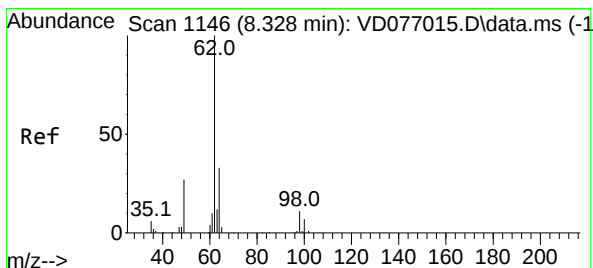
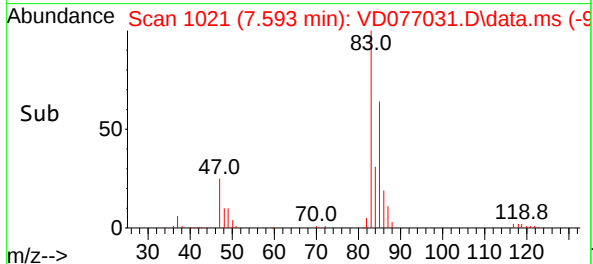
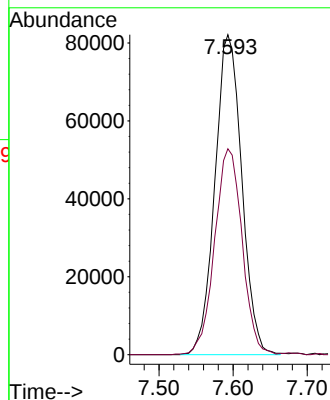
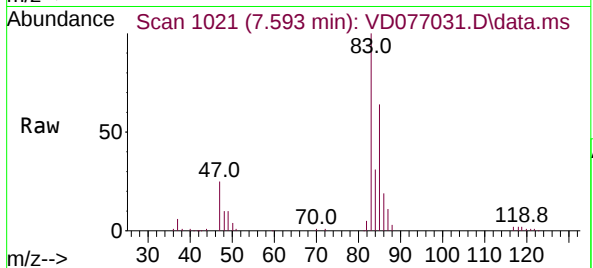
ClientSampleId :

Tgt Ion: 83 Resp: 206813

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 26.907 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD077031.D

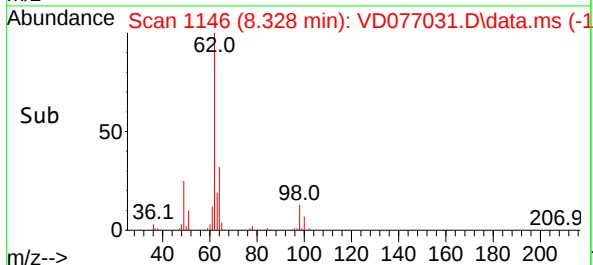
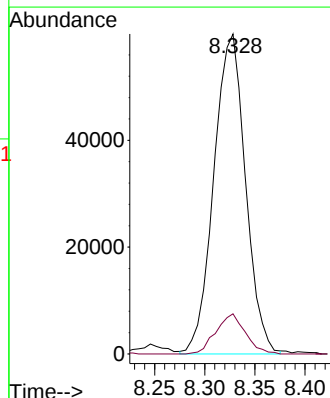
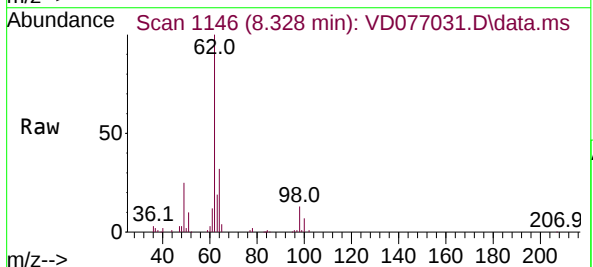
Acq: 25 Aug 2023 22:29

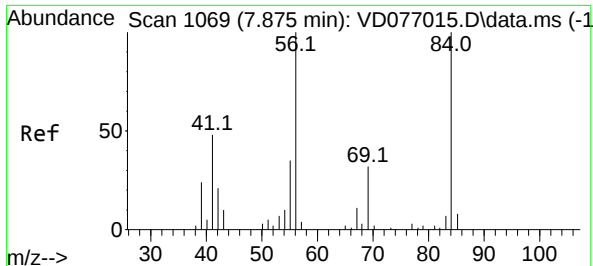
Tgt Ion: 62 Resp: 131696

Ion Ratio Lower Upper

62 100

98 12.6 8.7 13.1





#29

Cyclohexane

Concen: 22.636 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :

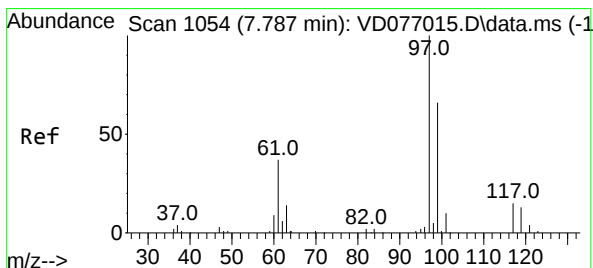
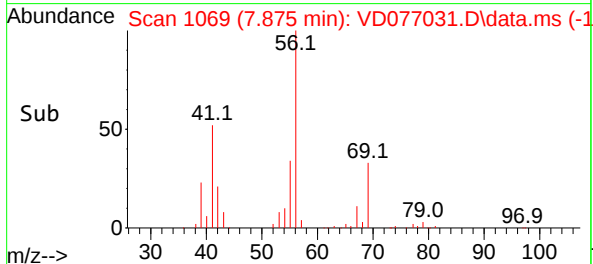
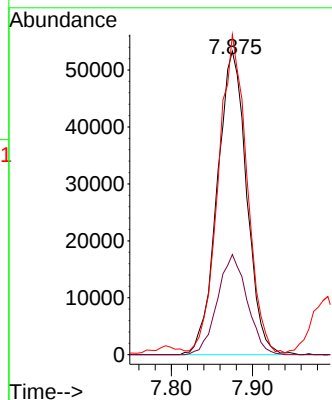
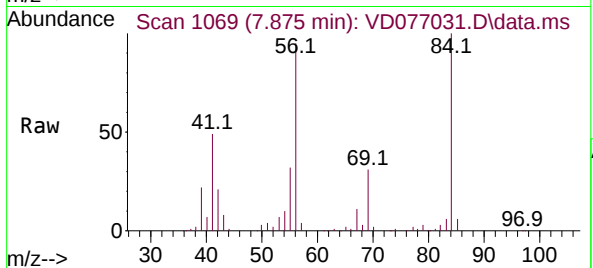
Tgt Ion: 56 Resp: 134176

Ion Ratio Lower Upper

56 100

69 33.3 23.4 35.0

84 103.4 66.3 99.5#



#30

1,1,1-Trichloroethane

Concen: 25.710 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

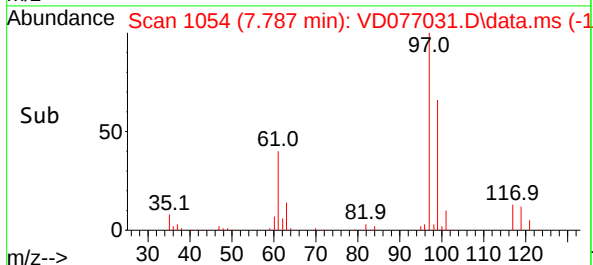
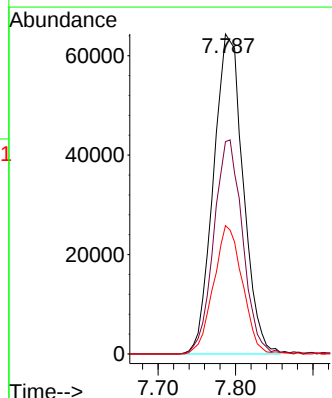
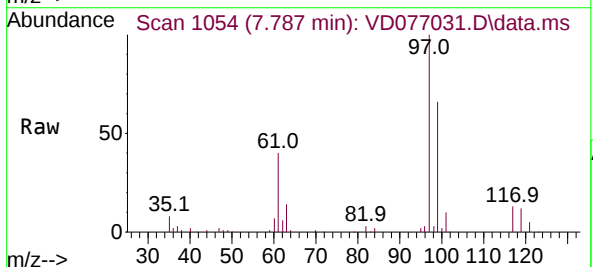
Tgt Ion: 97 Resp: 171537

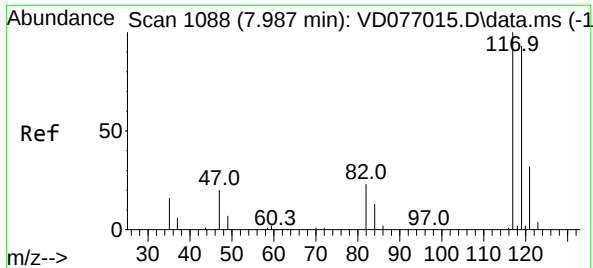
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

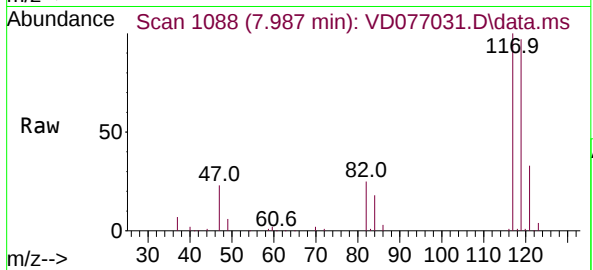
61 38.8 36.4 54.6



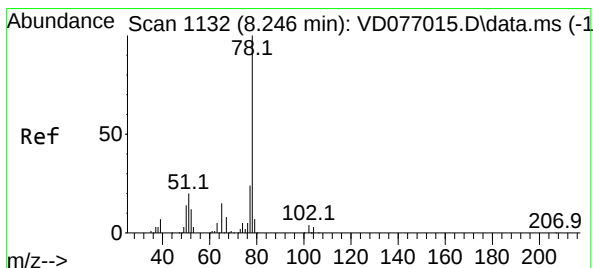
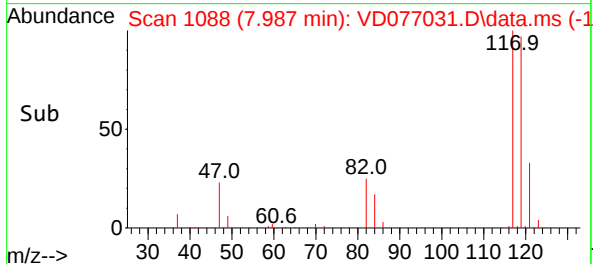
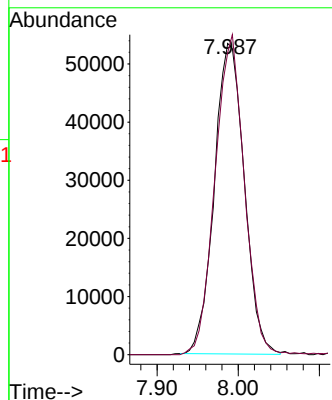


#31
Carbon tetrachloride
Concen: 25.155 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Instrument :
MSVOA_D
ClientSampleId :

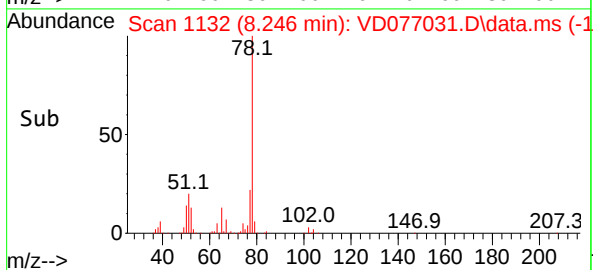
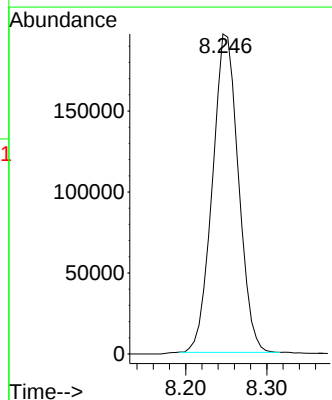
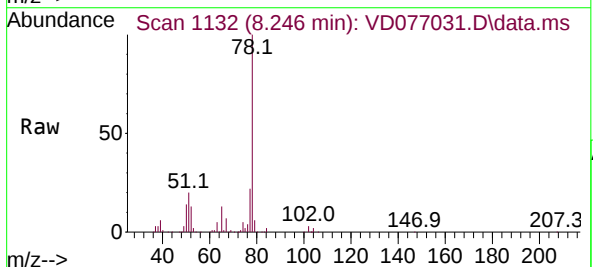


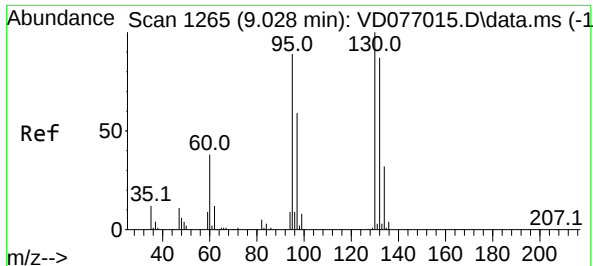
Tgt Ion:117 Resp: 137358
Ion Ratio Lower Upper
117 100
119 100.1 77.8 116.6



#33
Benzene
Concen: 24.842 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion: 78 Resp: 438462





#34

Trichloroethene

Concen: 24.536 ug/L

RT: 9.028 min Scan# 11

Delta R.T. 0.000 min

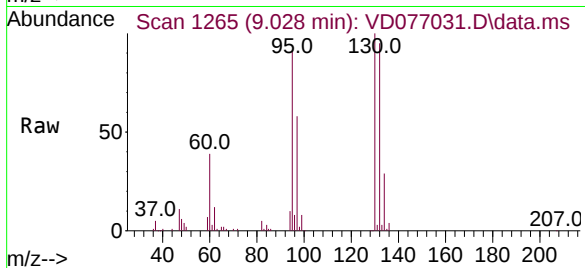
Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 95 Resp: 112778

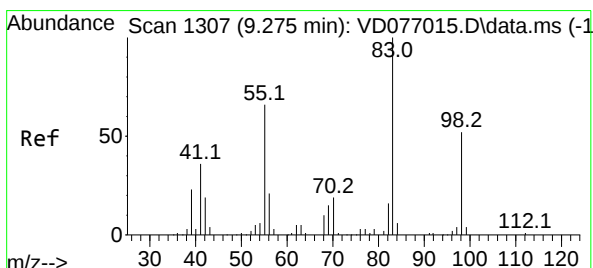
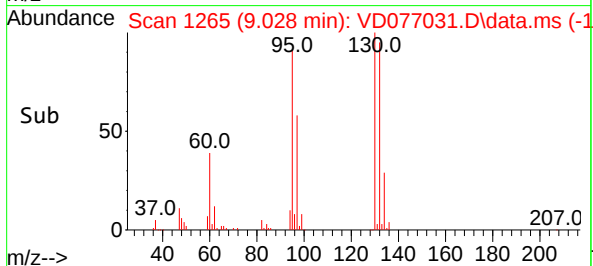
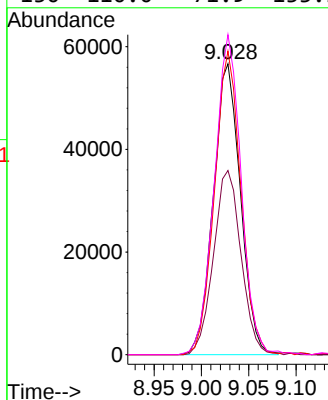
Ion Ratio Lower Upper

95 100

97 63.3 43.1 80.1

132 104.3 71.8 133.4

130 110.0 71.9 133.5



#35

Methylcyclohexane

Concen: 23.222 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

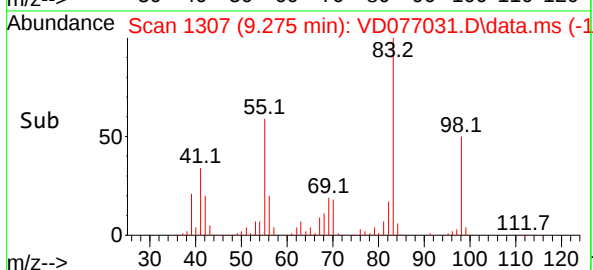
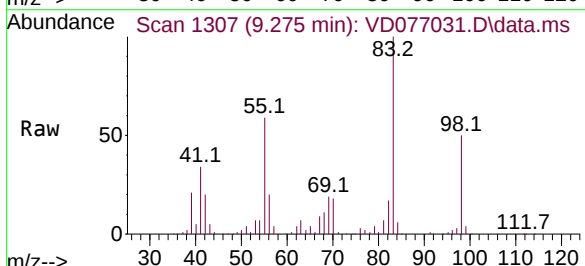
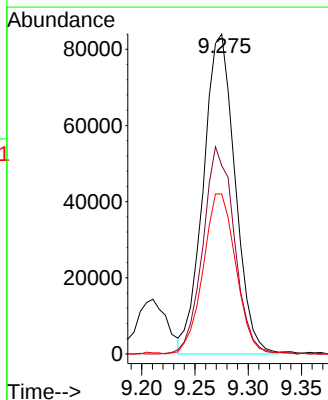
Tgt Ion: 83 Resp: 174071

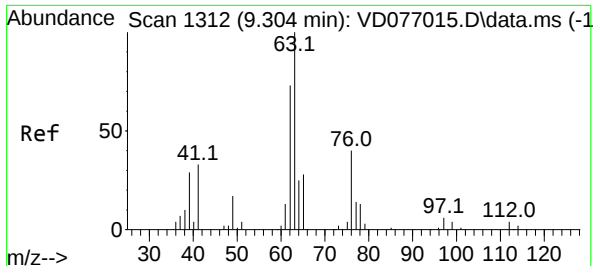
Ion Ratio Lower Upper

83 100

55 63.8 59.8 89.6

98 51.7 37.8 56.6





#37

1,2-Dichloropropane

Concen: 25.361 ug/L

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

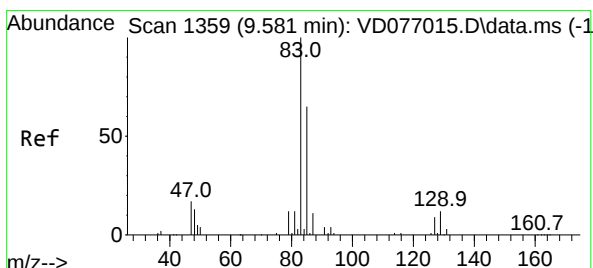
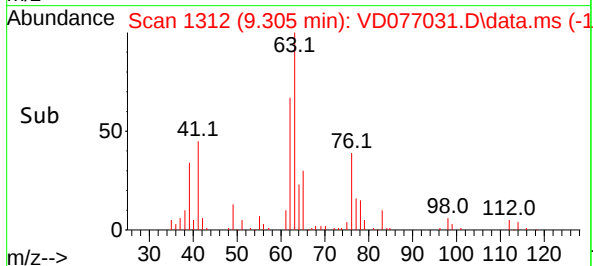
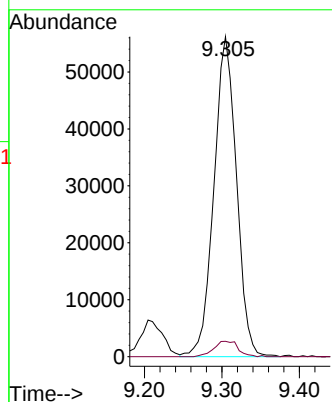
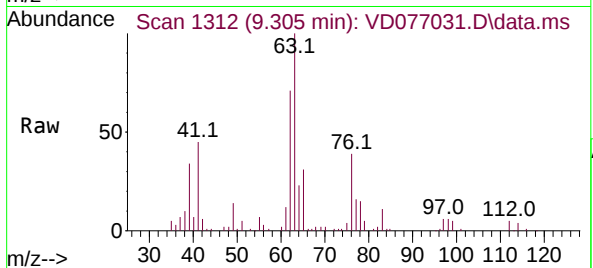
ClientSampleId :

Tgt Ion: 63 Resp: 113713

Ion Ratio Lower Upper

63 100

112 3.7 3.1 4.7



#38

Bromodichloromethane

Concen: 25.837 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

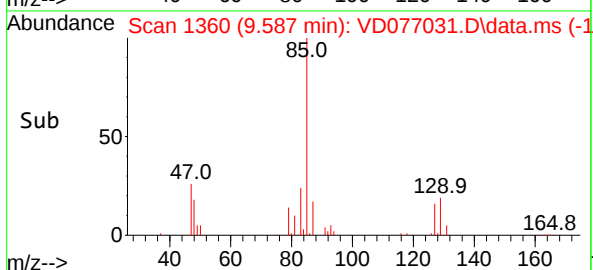
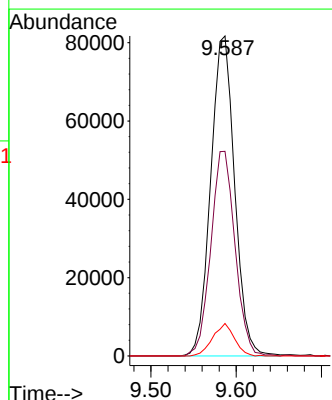
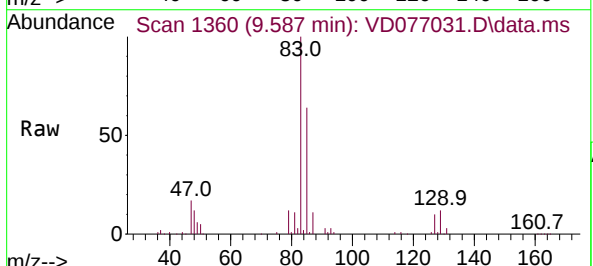
Tgt Ion: 83 Resp: 159530

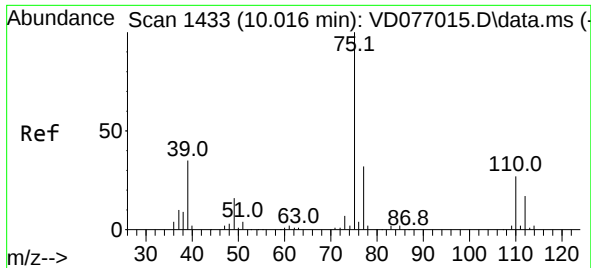
Ion Ratio Lower Upper

83 100

85 63.9 43.9 81.5

127 10.1 6.6 9.8#





#39

cis-1,3-Dichloropropene

Concen: 25.566 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

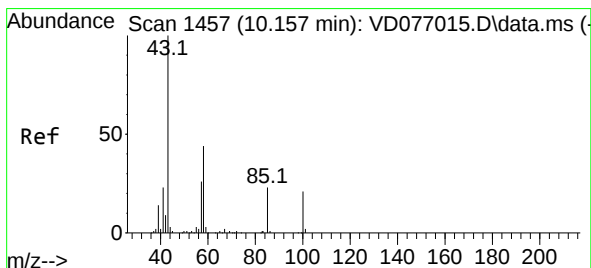
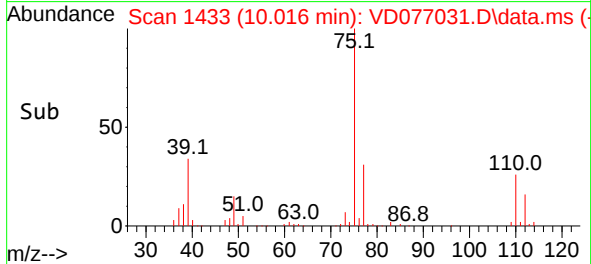
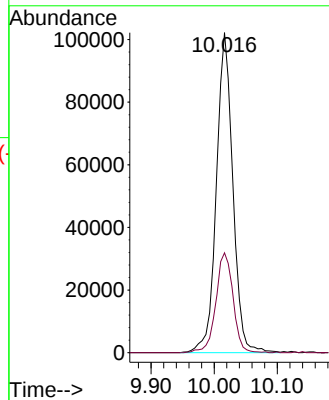
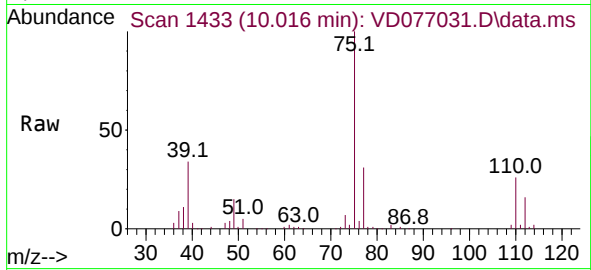
ClientSampleId :

Tgt Ion: 75 Resp: 185000

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 53.336 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

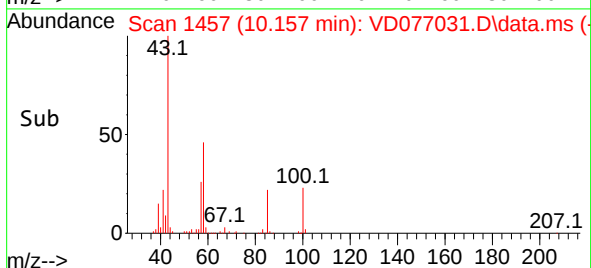
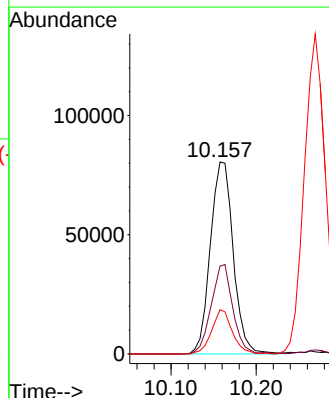
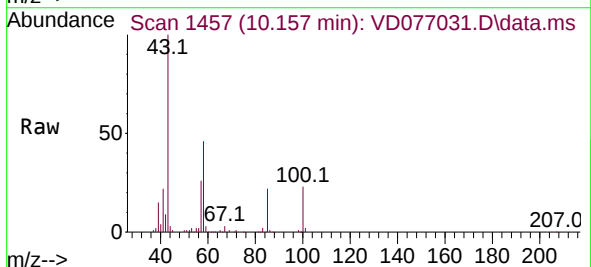
Tgt Ion: 43 Resp: 150675

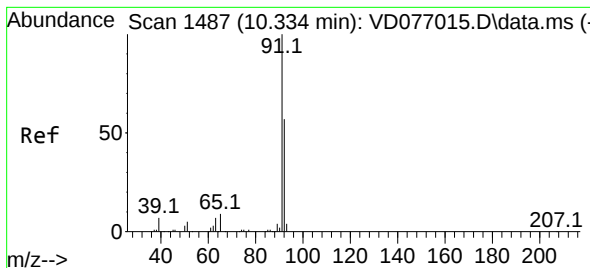
Ion Ratio Lower Upper

43 100

58 43.8 30.7 46.1

100 20.7 11.0 16.4#





#42

Toluene

Concen: 25.475 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

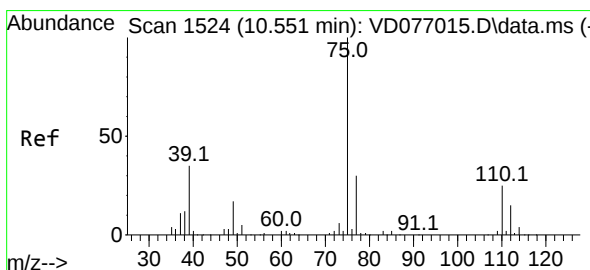
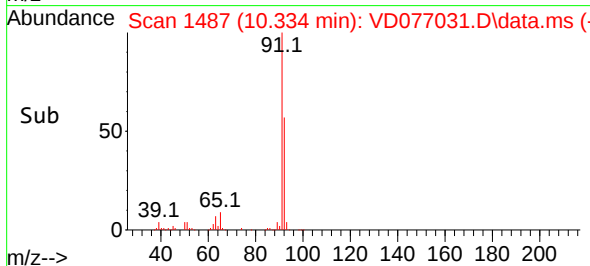
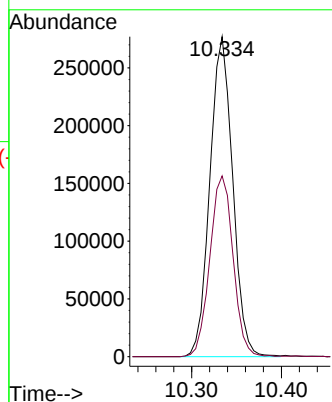
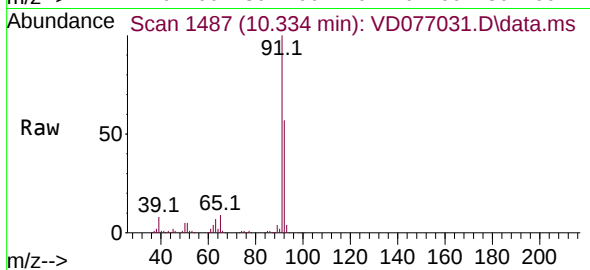
ClientSampleId :

Tgt Ion: 91 Resp: 488937

Ion Ratio Lower Upper

91 100

92 56.5 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 25.567 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD077031.D

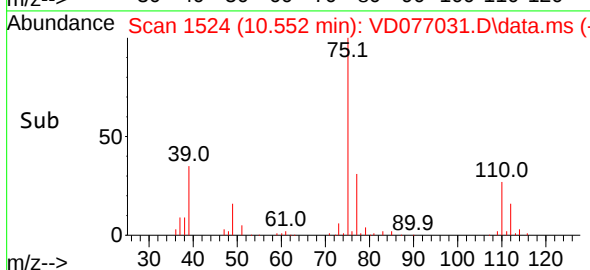
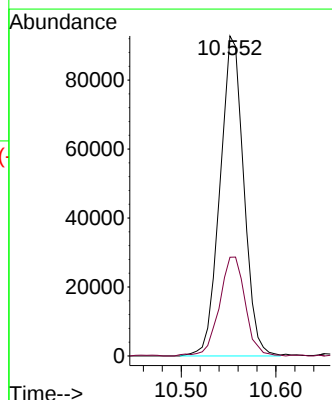
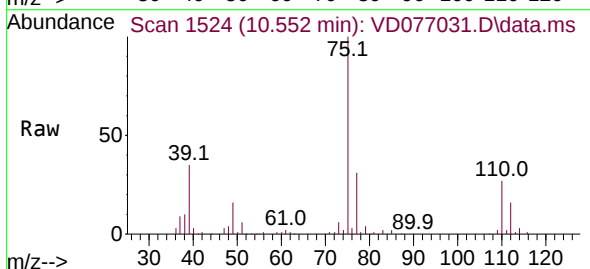
Acq: 25 Aug 2023 22:29

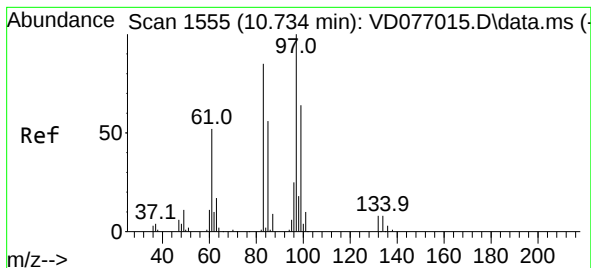
Tgt Ion: 75 Resp: 161690

Ion Ratio Lower Upper

75 100

77 30.8 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 26.476 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 105504

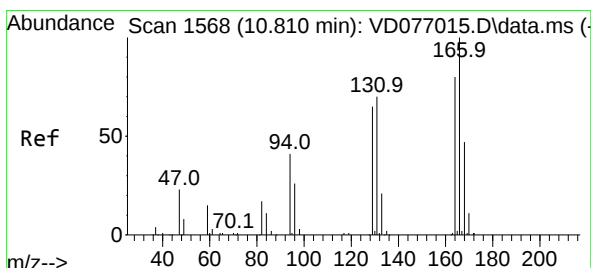
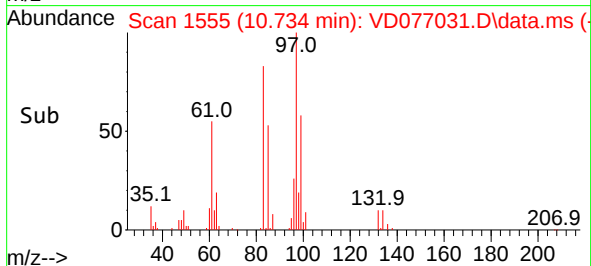
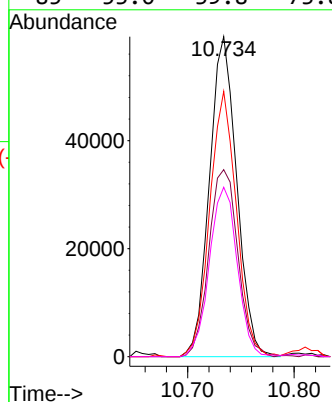
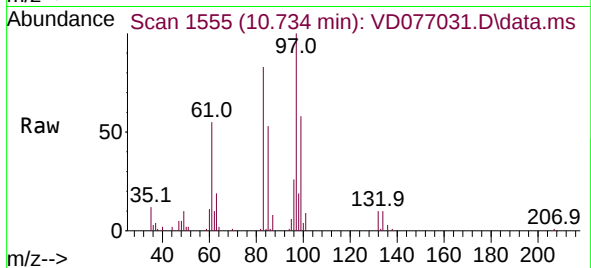
Ion Ratio Lower Upper

97 100

99 58.5 41.9 77.9

83 82.9 59.2 110.0

85 53.0 39.8 73.8



#46

Tetrachloroethene

Concen: 25.583 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Tgt Ion:164 Resp: 88626

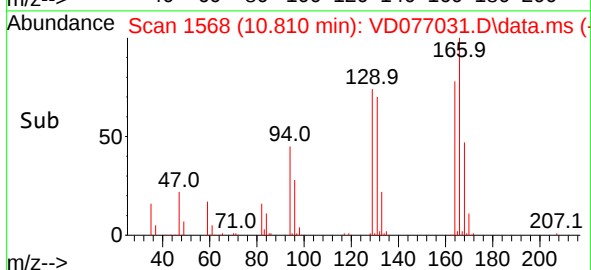
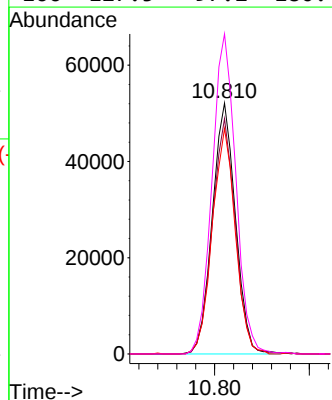
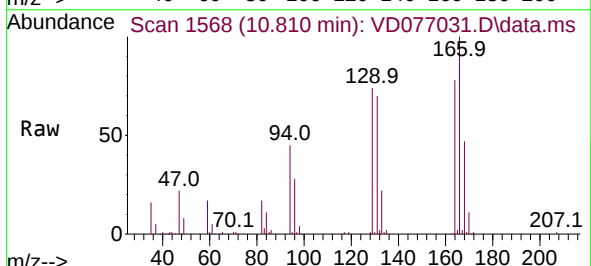
Ion Ratio Lower Upper

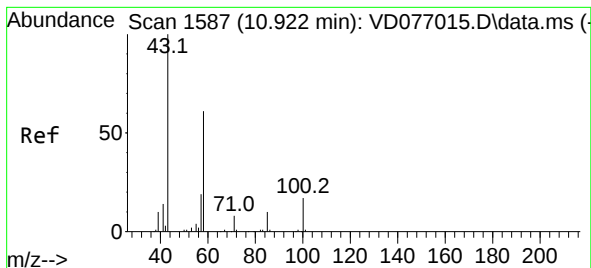
164 100

129 93.8 65.5 121.6

131 89.9 64.8 120.3

166 127.5 97.2 180.4





#48

2-Hexanone

Concen: 51.890 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

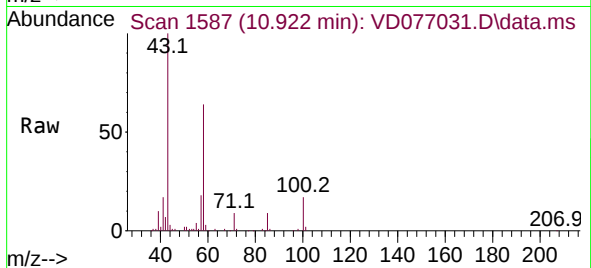
Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 112732

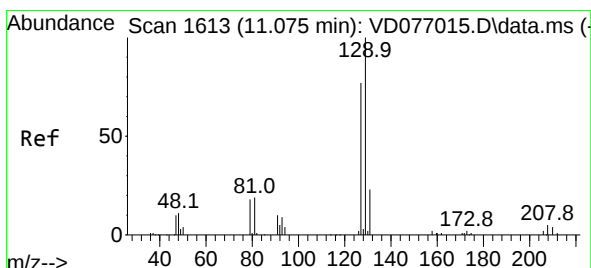
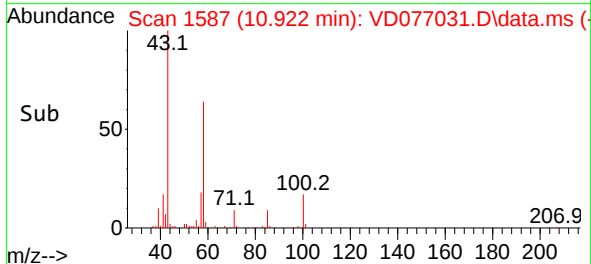
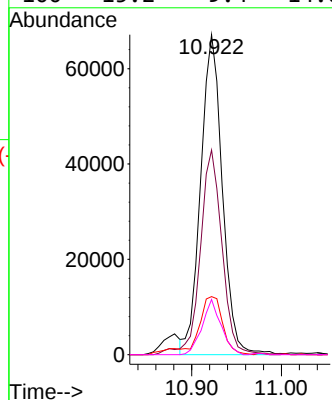
Ion Ratio Lower Upper

43 100

58 62.9 42.9 64.3

57 18.4 13.7 20.5

100 15.2 9.4 14.0#



#49

Dibromochloromethane

Concen: 26.367 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD077031.D

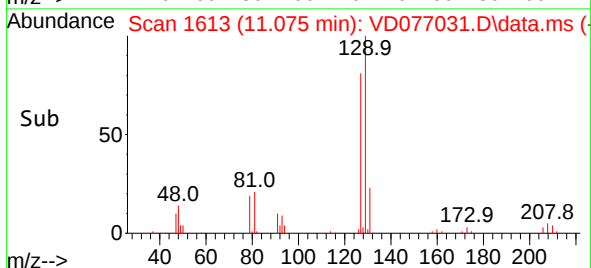
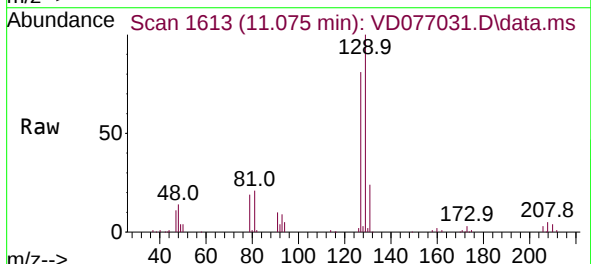
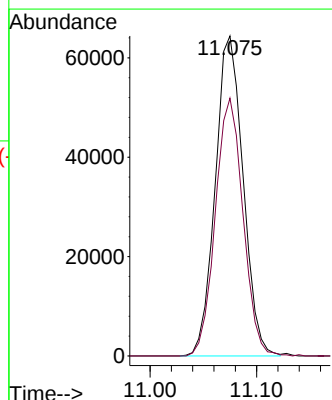
Acq: 25 Aug 2023 22:29

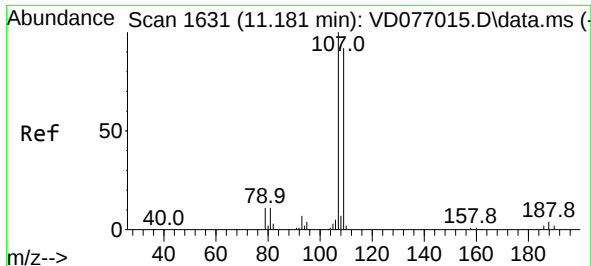
Tgt Ion:129 Resp: 116888

Ion Ratio Lower Upper

129 100

127 80.5 55.2 102.6

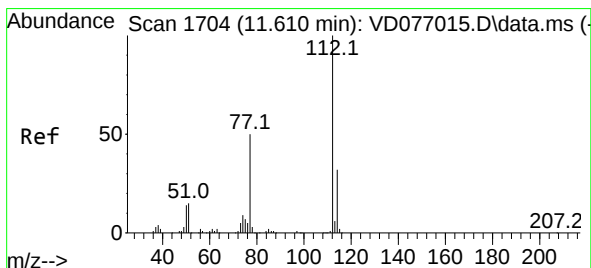
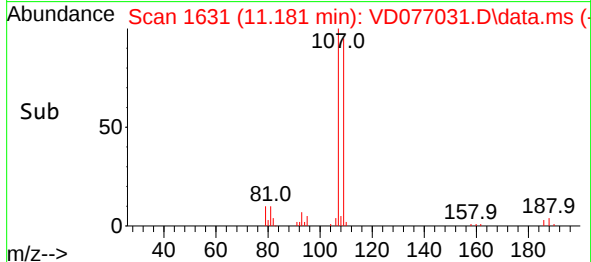
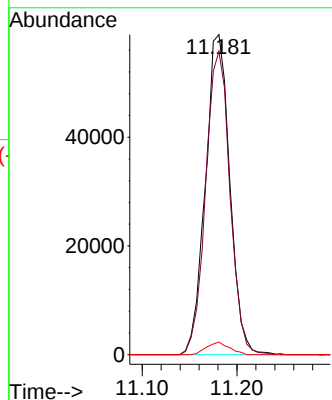
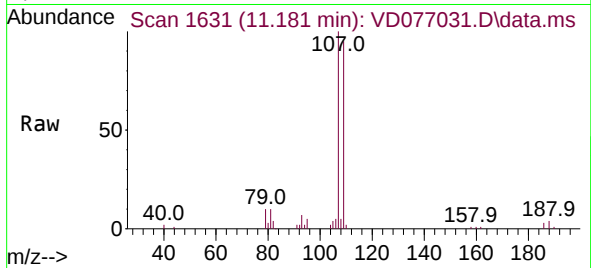




#50
1,2-Dibromoethane
Concen: 27.159 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

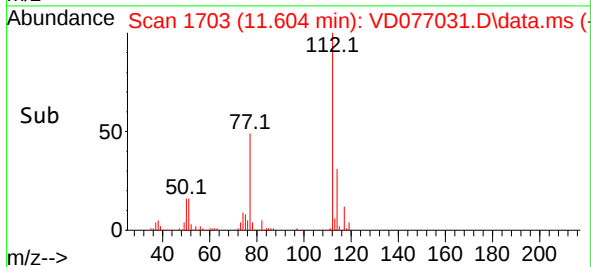
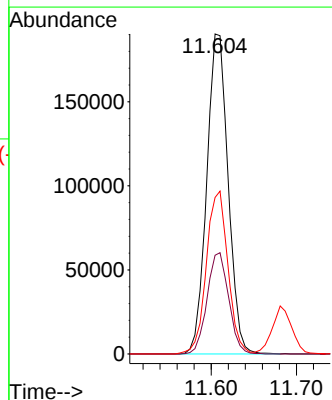
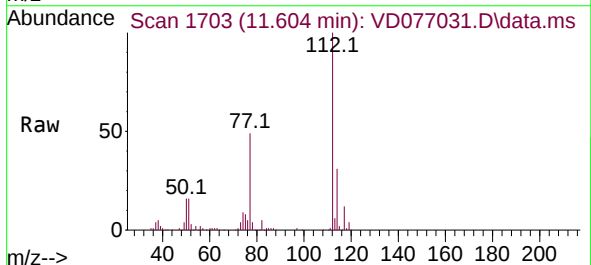
Instrument :
MSVOA_D
ClientSampleId :

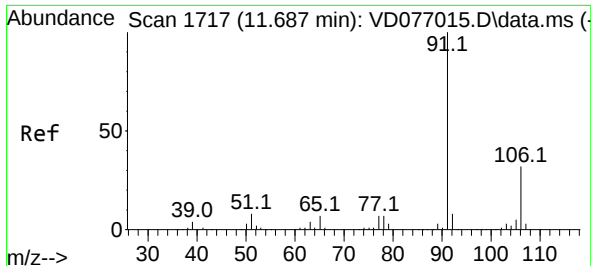
Tgt Ion:107 Resp: 105551
Ion Ratio Lower Upper
107 100
109 94.8 58.8 109.2
188 3.9 2.9 4.3



#51
Chlorobenzene
Concen: 26.549 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion:112 Resp: 331983
Ion Ratio Lower Upper
112 100
114 30.8 21.5 39.9
77 48.9 43.4 65.2

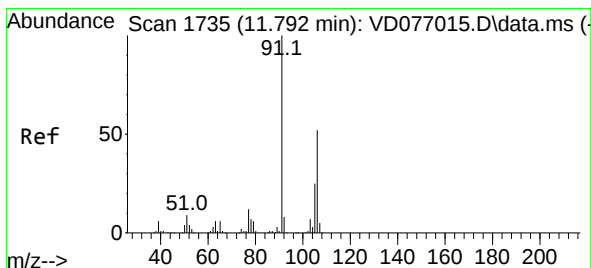
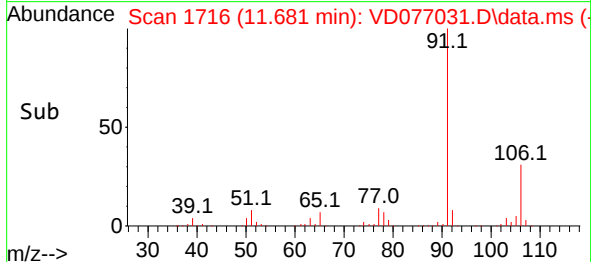
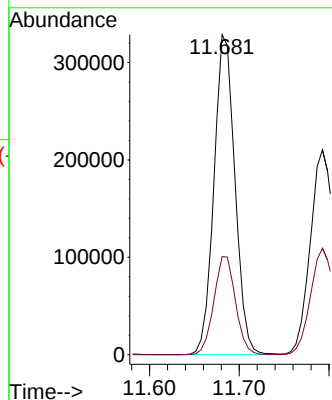
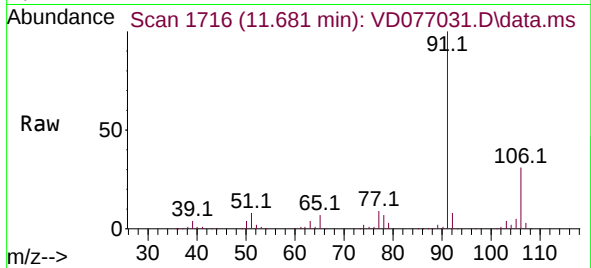




#52
Ethylbenzene
Concen: 26.097 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

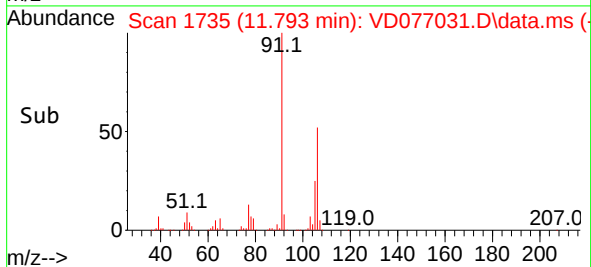
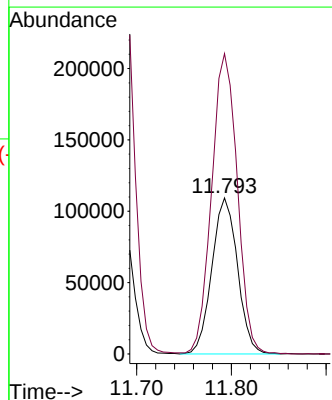
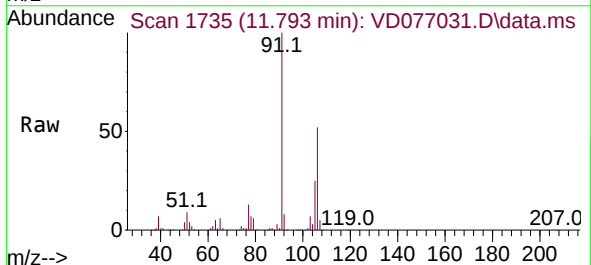
Instrument :
MSVOA_D
ClientSampleId :

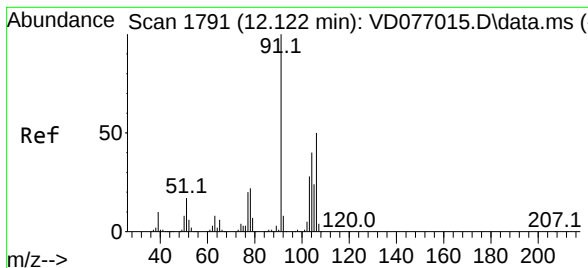
Tgt Ion: 91 Resp: 533738
Ion Ratio Lower Upper
91 100
106 30.7 22.4 41.6



#53
m,p-Xylene
Concen: 26.014 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion:106 Resp: 205287
Ion Ratio Lower Upper
106 100
91 192.4 141.5 262.9

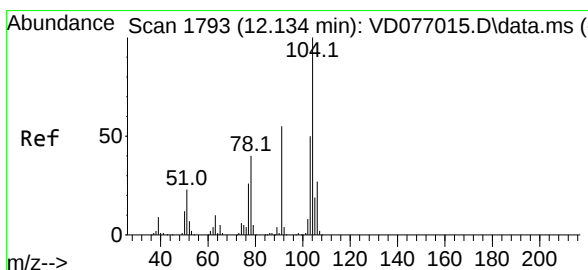
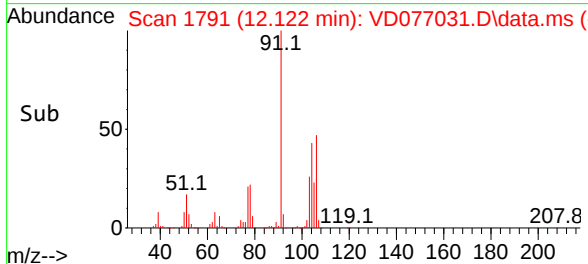
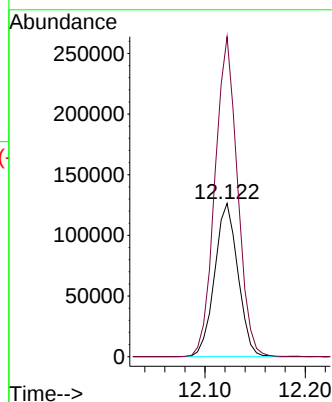
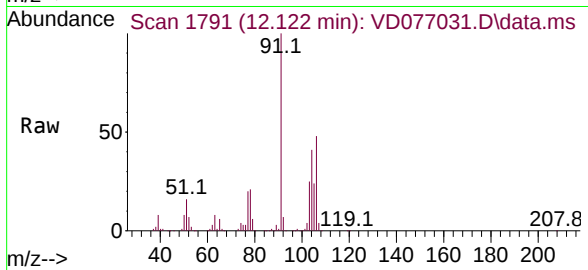




#54
o-Xylene
Concen: 26.877 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

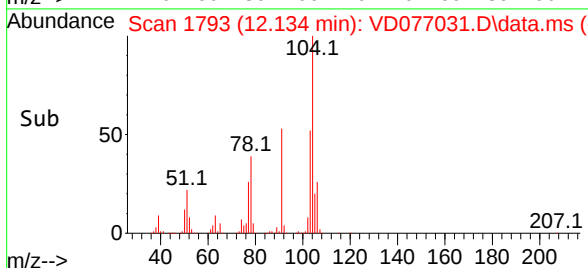
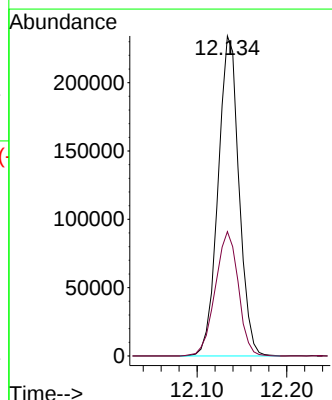
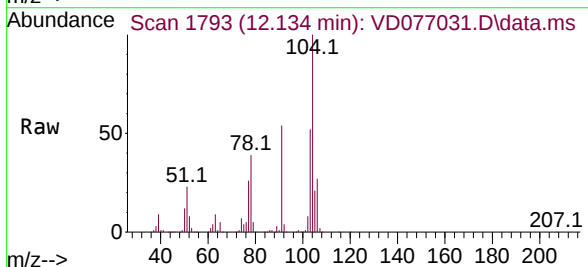
Instrument :
MSVOA_D
ClientSampleId :

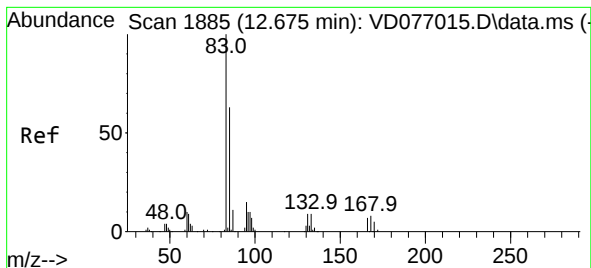
Tgt Ion:106 Resp: 203993
Ion Ratio Lower Upper
106 100
91 208.8 142.2 264.2



#55
Styrene
Concen: 27.551 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion:104 Resp: 378082
Ion Ratio Lower Upper
104 100
78 38.8 31.3 58.1

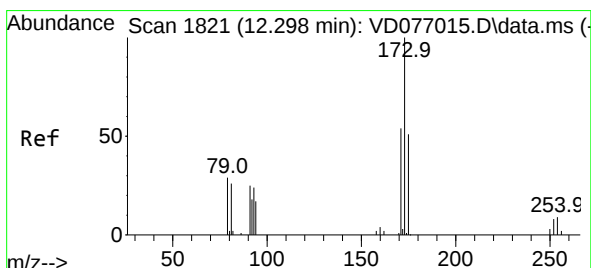
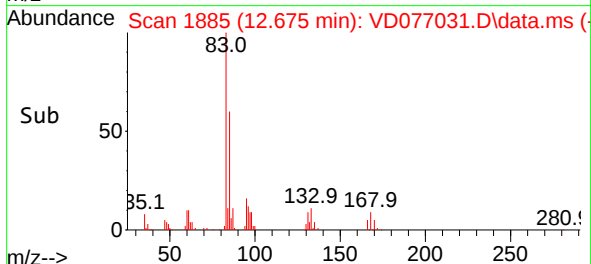
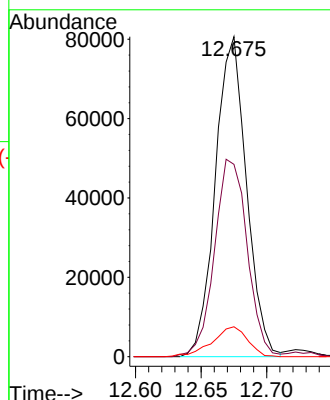
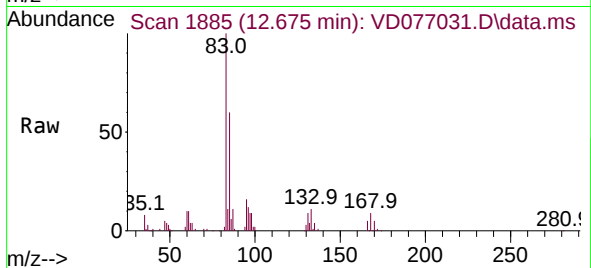




#57
1,1,2,2-Tetrachloroethane
Concen: 26.989 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

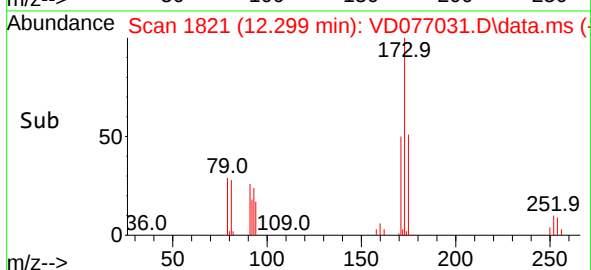
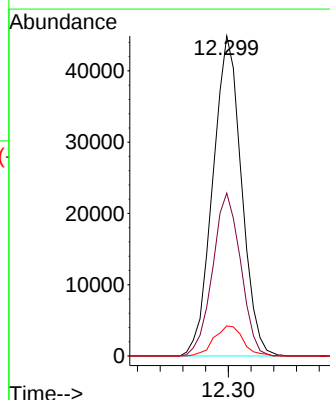
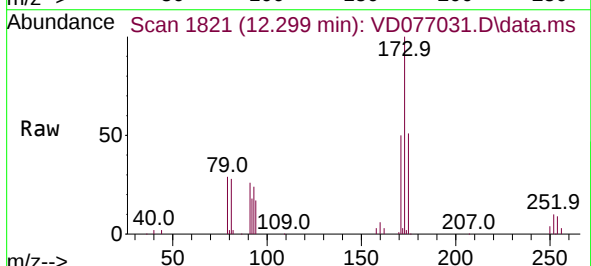
Instrument :
MSVOA_D
ClientSampleId :

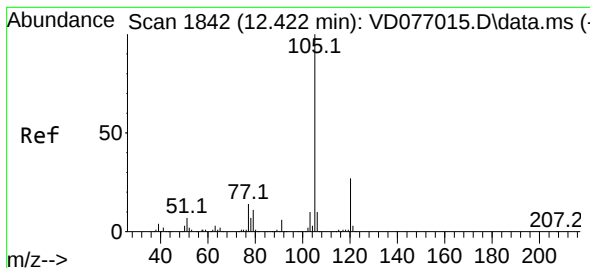
Tgt Ion: 83 Resp: 133015
Ion Ratio Lower Upper
83 100
85 60.1 46.3 86.1
131 9.3 7.0 10.4



#59
Bromoform
Concen: 27.381 ug/L
RT: 12.299 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion: 173 Resp: 78713
Ion Ratio Lower Upper
173 100
175 49.7 39.0 58.4
254 9.5 5.3 7.9#





#60

Isopropylbenzene

Concen: 24.924 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :

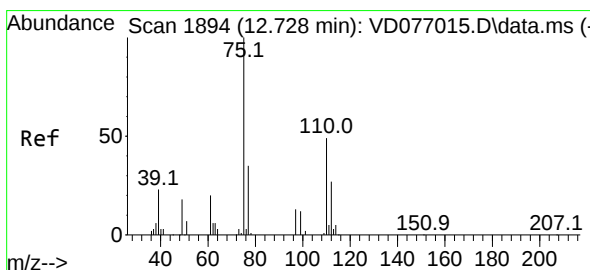
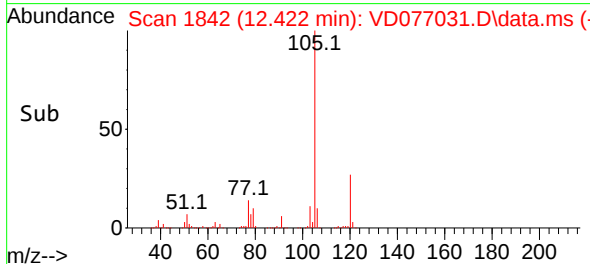
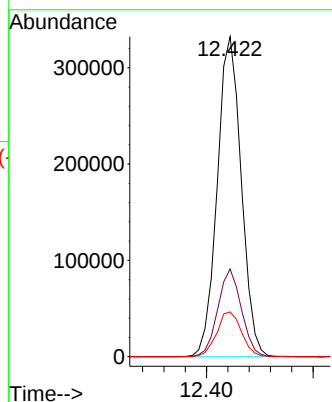
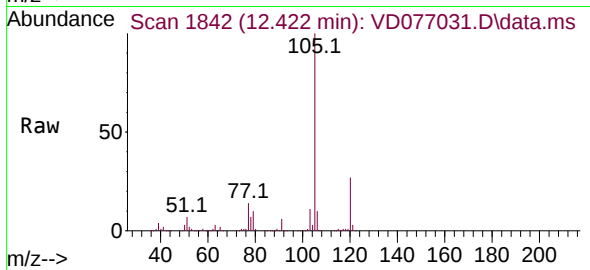
Tgt Ion:105 Resp: 519591

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

77 14.5 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 26.228 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

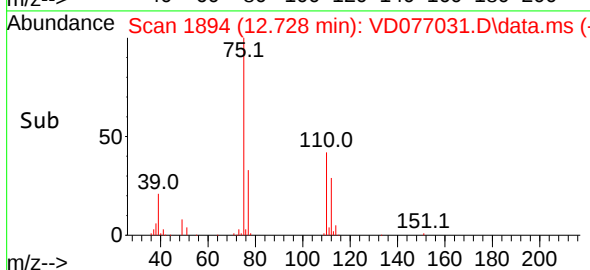
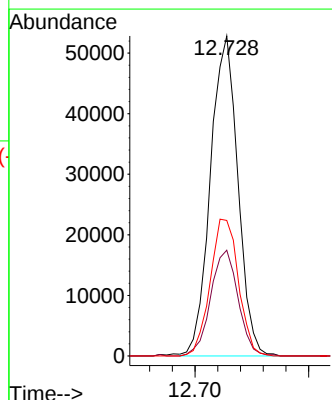
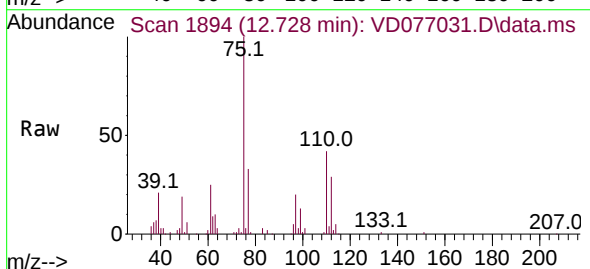
Tgt Ion: 75 Resp: 88734

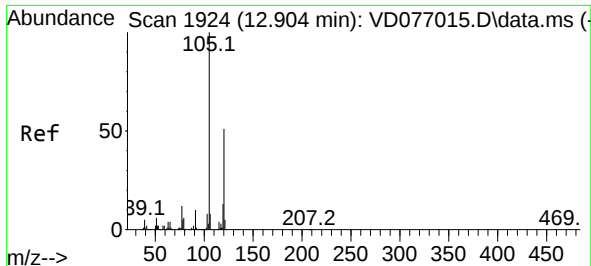
Ion Ratio Lower Upper

75 100

77 33.1 27.2 40.8

110 44.0 31.8 47.6

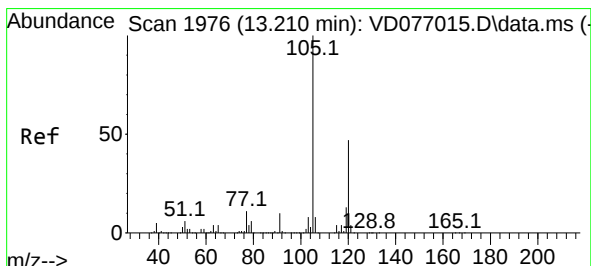
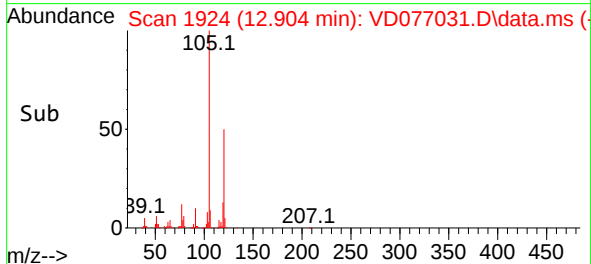
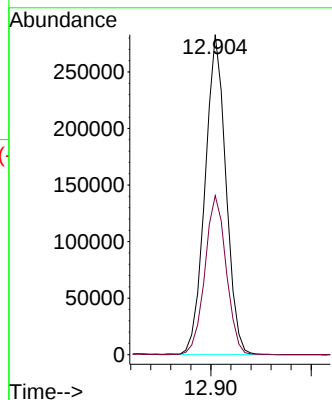
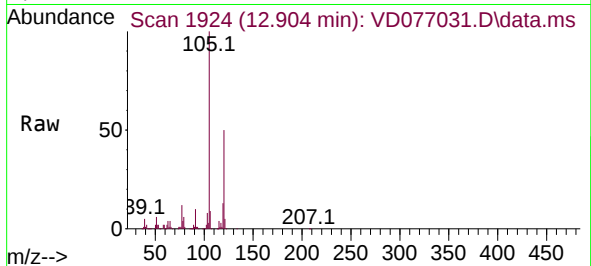




#62
1,3,5-Trimethylbenzene
Concen: 25.731 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

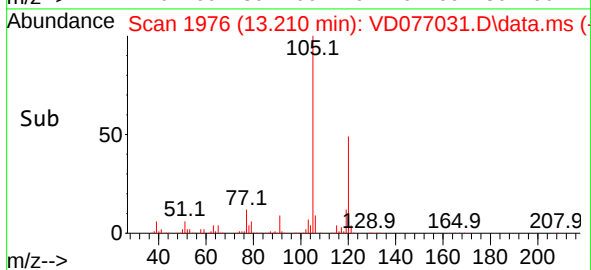
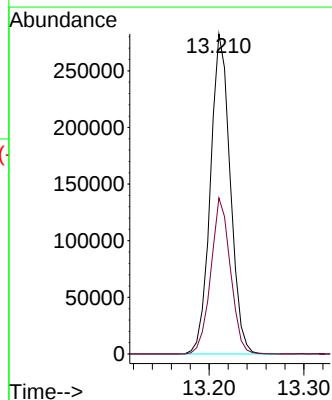
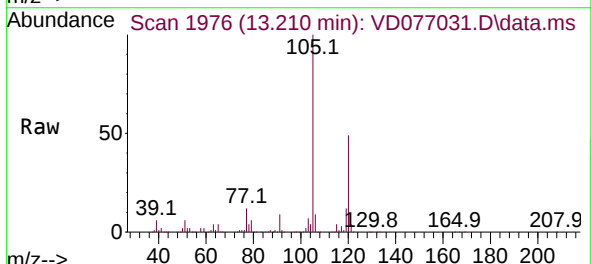
Instrument :
MSVOA_D
ClientSampleId :

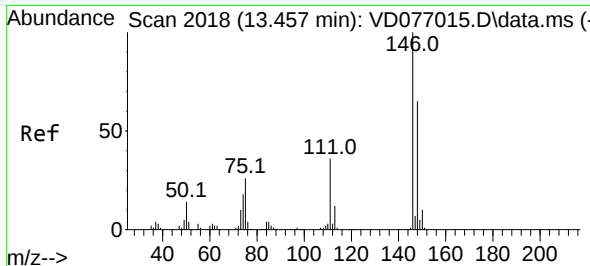
Tgt Ion:105 Resp: 408647
Ion Ratio Lower Upper
105 100
120 50.8 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 25.974 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion:105 Resp: 410522
Ion Ratio Lower Upper
105 100
120 48.0 37.5 56.3

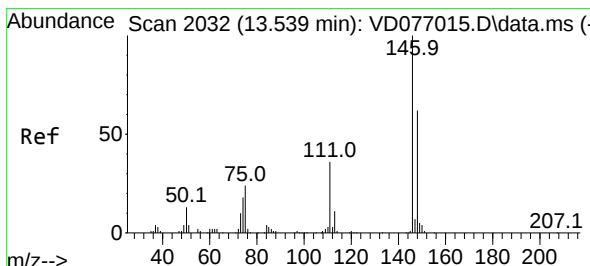
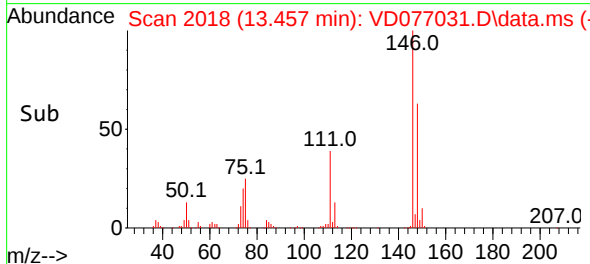
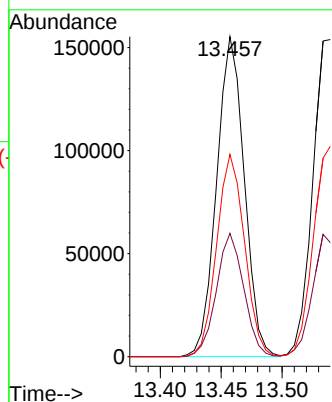
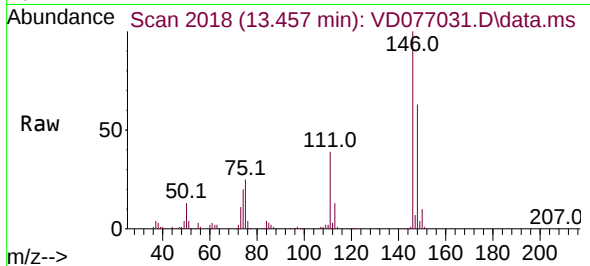




#64
1,3-Dichlorobenzene
Concen: 25.821 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

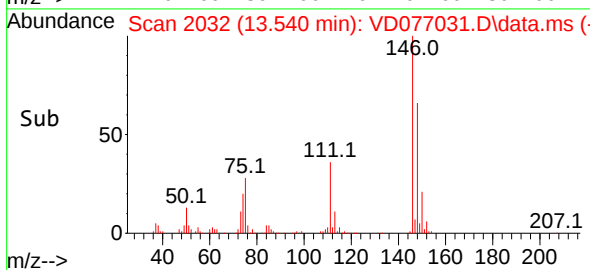
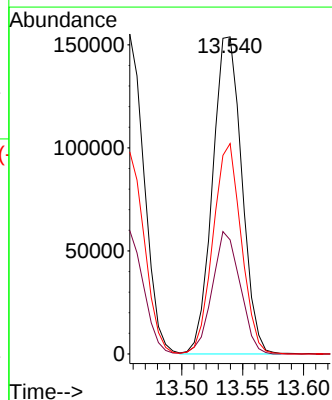
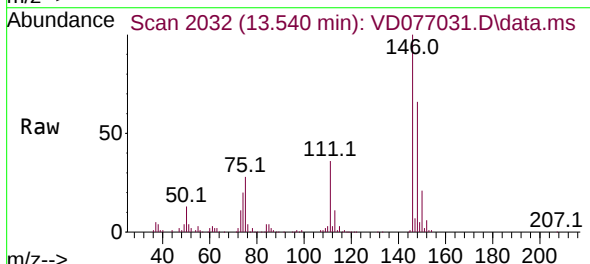
Instrument :
MSVOA_D
ClientSampleId :

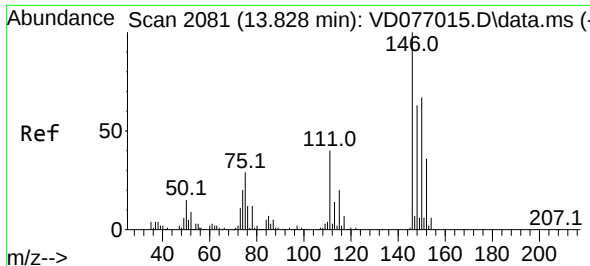
Tgt Ion:146 Resp: 245676
Ion Ratio Lower Upper
146 100
111 38.6 25.6 47.4
148 63.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 26.142 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

Tgt Ion:146 Resp: 257095
Ion Ratio Lower Upper
146 100
111 36.0 25.7 47.7
148 66.4 45.4 84.2

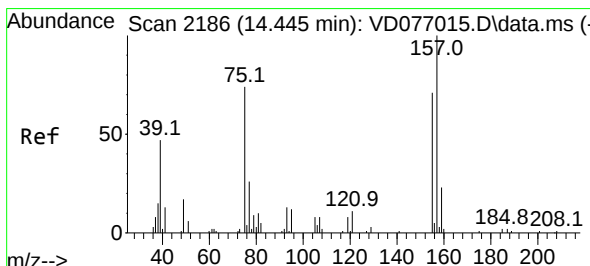
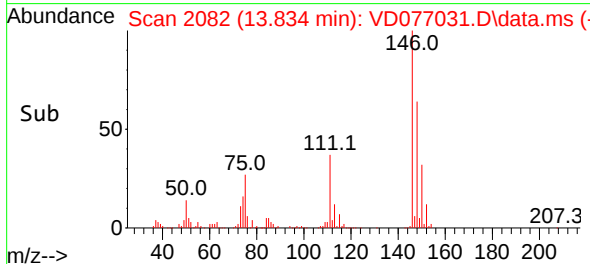
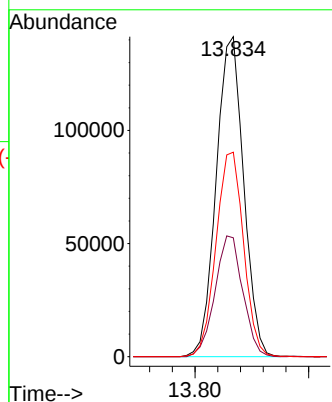
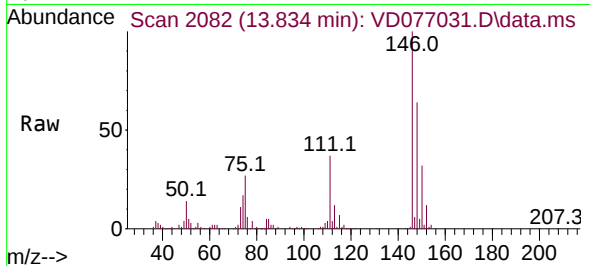




#67
1,2-Dichlorobenzene
Concen: 26.657 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

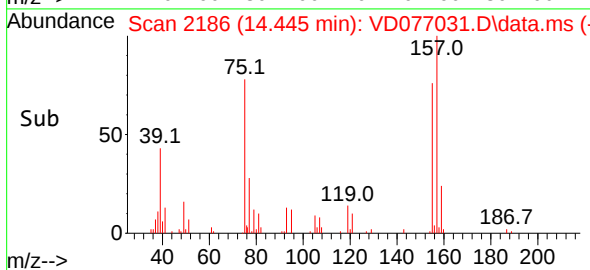
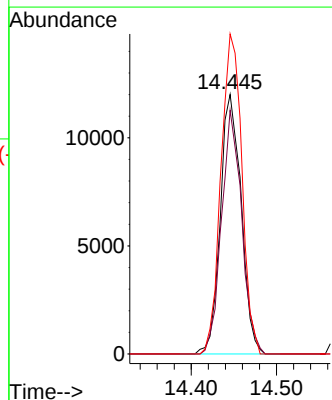
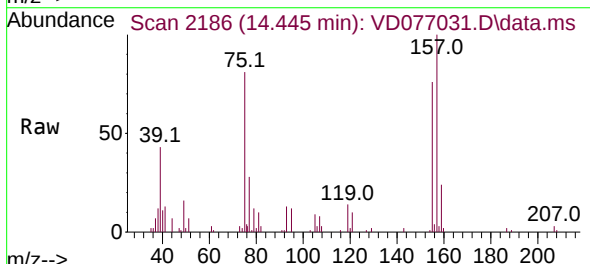
Instrument :
MSVOA_D
ClientSampleId :

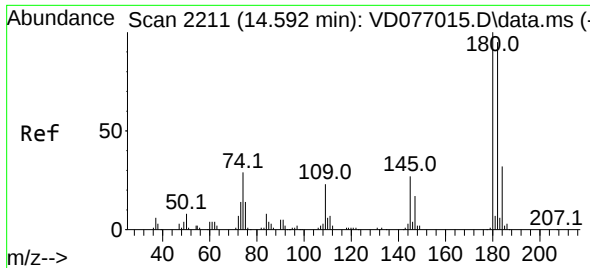
Tgt Ion:146 Resp: 237758
Ion Ratio Lower Upper
146 100
111 37.2 31.3 46.9
148 63.9 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 26.300 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD077031.D
Acq: 25 Aug 2023 22:29

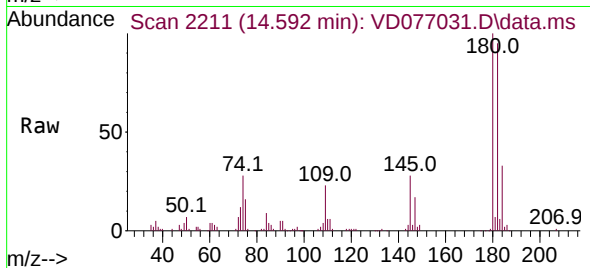
Tgt Ion: 75 Resp: 20387
Ion Ratio Lower Upper
75 100
155 93.9 76.2 114.4
157 123.3 89.4 134.2



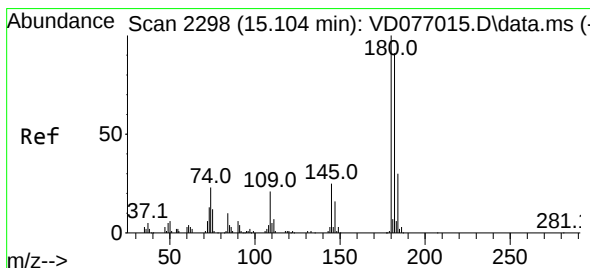
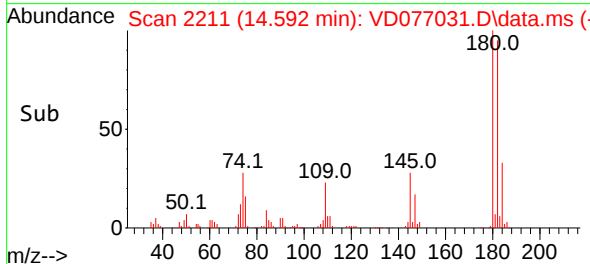
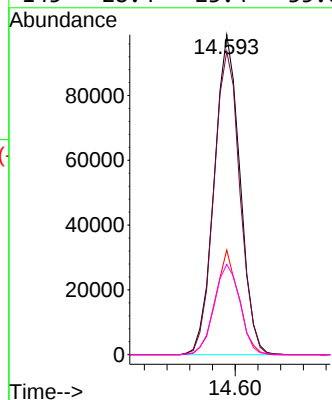


#69
 1,3,5-Trichlorobenzene
 Concen: 26.090 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD077031.D
 Acq: 25 Aug 2023 22:29

Instrument :
 MSVOA_D
 ClientSampleId :

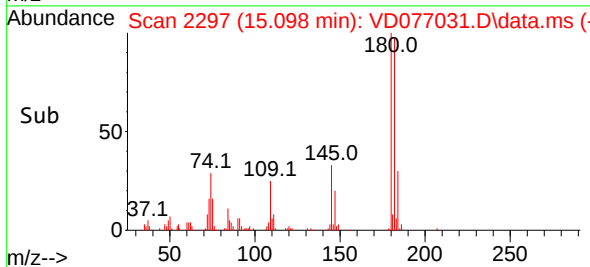
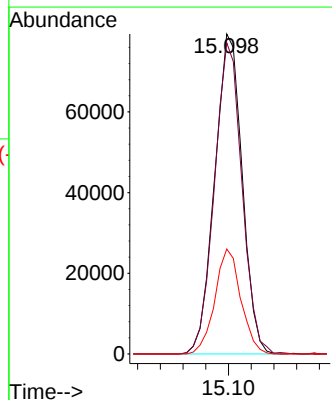
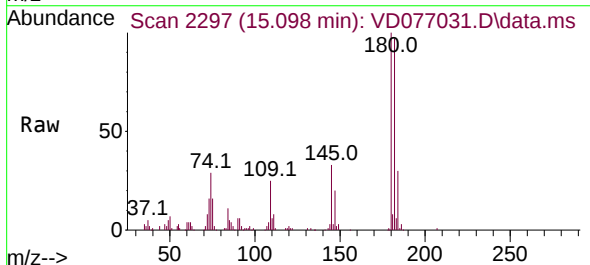


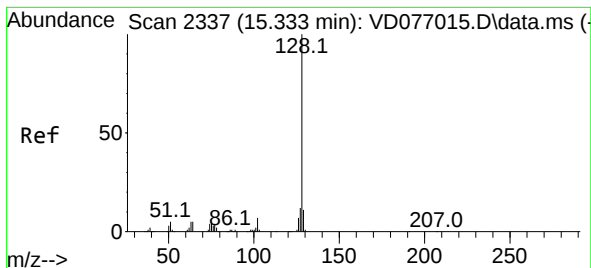
Tgt Ion:180 Resp: 155339
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.1 115.7
 184 29.8 25.0 37.4
 145 28.4 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 25.473 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD077031.D
 Acq: 25 Aug 2023 22:29

Tgt Ion:180 Resp: 133415
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.9 115.3
 145 31.0 23.5 35.3





#71

Naphthalene

Concen: 27.445 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :

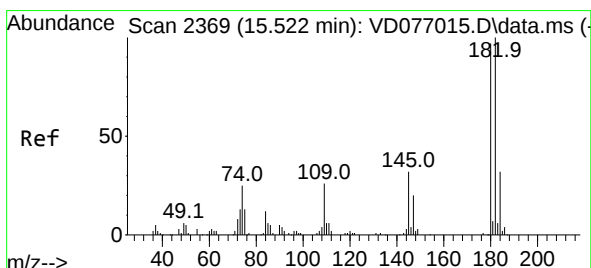
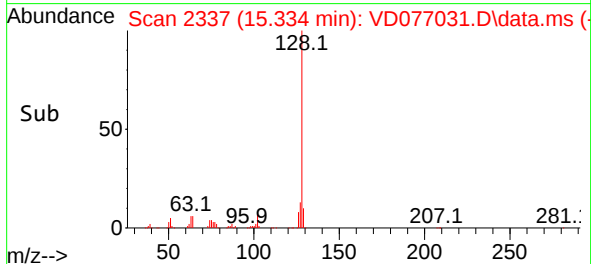
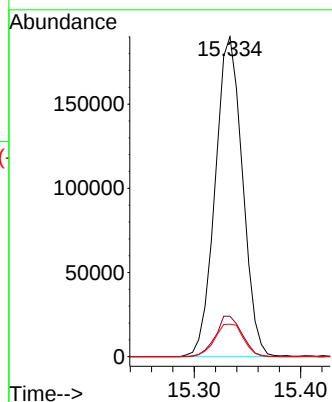
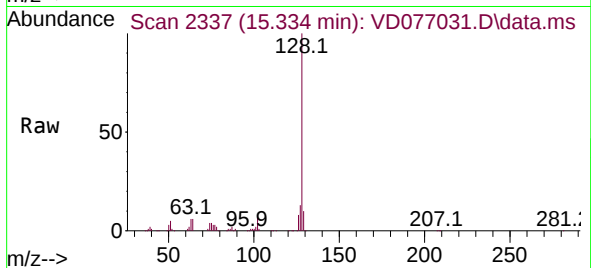
Tgt Ion:128 Resp: 337987

Ion Ratio Lower Upper

128 100

127 12.5 10.8 16.2

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 27.874 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD077031.D

Acq: 25 Aug 2023 22:29

Tgt Ion:180 Resp: 132392

Ion Ratio Lower Upper

180 100

182 94.6 74.3 111.5

145 30.6 25.0 37.6

