

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112923\
 Data File : VD077702.D
 Acq On : 29 Nov 2023 15:56
 Operator : JC/SY
 Sample : VSTD050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 29 23:56:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 29 23:54:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	311986	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	291326	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	154082	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	426544	52.902	ug/L	0.00
7) Chloroethane-d5	2.805	69	332402	53.061	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	108357	45.407	ug/L	0.00
21) 2-Butanone-d5	7.110	46	395	0.302	ug/L	0.12
24) Chloroform-d	7.569	84	437595	49.527	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	223164	47.628	ug/L	0.00
32) Benzene-d6	8.204	84	914007	49.280	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	274862	46.108	ug/L	0.00
41) Toluene-d8	10.269	98	866381	51.243	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	126934	49.117	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	107251	101.265	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	212686	53.152	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	282947	52.241	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	258954	51.549	ug/L	99
3) Chloromethane	2.152	50	364681	50.516	ug/L	98
5) Vinyl chloride	2.287	62	465291	55.979	ug/L	100
6) Bromomethane	2.693	94	248713	57.092	ug/L	99
8) Chloroethane	2.840	64	281603	54.634	ug/L	96
9) Trichlorofluoromethane	3.181	101	384710	52.022	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	233734	51.329	ug/L	98
12) 1,1-Dichloroethene	4.140	96	140	0.032	ug/L	91
13) Acetone	4.022	43	158795	110.868	ug/L	99
14) Carbon disulfide	4.275	76	783737	49.341	ug/L	100
15) Methyl Acetate	4.569	43	101645	44.407	ug/L	100
16) Methylene chloride	4.805	84	235012	44.858	ug/L	93
17) trans-1,2-Dichloroethene	5.316	96	235279	50.996	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	524182	49.147	ug/L	99
19) 1,1-Dichloroethane	6.116	63	426912	46.662	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	253715	50.660	ug/L	99
22) 2-Butanone	7.175	43	720	0.419	ug/L	99
23) Bromochloromethane	7.428	128	107195	52.879	ug/L	95
25) Chloroform	7.599	83	414962	49.003	ug/L	94
27) 1,2-Dichloroethane	8.328	62	268474	48.100	ug/L #	94
29) Cyclohexane	7.881	56	407231	44.407	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	364431	48.540	ug/L	99
31) Carbon tetrachloride	7.993	117	325444	50.060	ug/L	100
33) Benzene	8.252	78	992214	49.864	ug/L	100
34) Trichloroethene	9.028	95	241788	48.949	ug/L	97
35) Methylcyclohexane	9.275	83	448563	50.382	ug/L	99
37) 1,2-Dichloropropane	9.304	63	253283	46.074	ug/L	99
38) Bromodichloromethane	9.587	83	307328	48.602	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	407699	48.348	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	300037	91.495	ug/L	100
42) Toluene	10.334	91	1072461	51.109	ug/L	96
44) trans-1,3-Dichloropropene	10.551	75	345585	49.525	ug/L	99

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 Response via : Initial Calibration

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

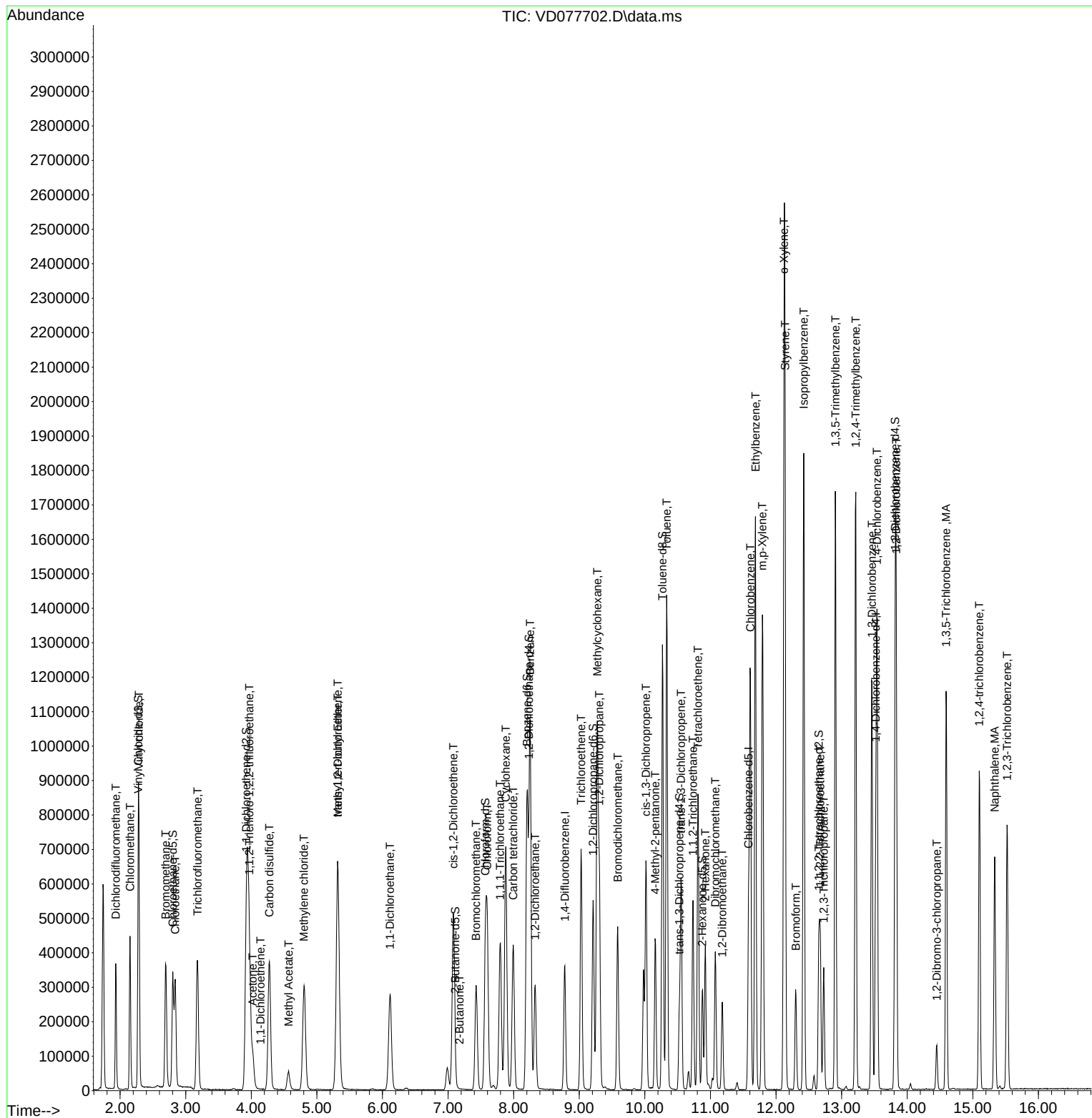
45) 1,1,2-Trichloroethane	10.734	97	174319	51.258	ug/L	96
46) Tetrachloroethene	10.810	164	198127	53.781	ug/L	99
48) 2-Hexanone	10.922	43	272255	102.363	ug/L	99
49) Dibromochloromethane	11.075	129	203555	52.432	ug/L	94
50) 1,2-Dibromoethane	11.181	107	167367	51.370	ug/L #	97
51) Chlorobenzene	11.610	112	645193	52.077	ug/L	99
52) Ethylbenzene	11.687	91	1187204	51.566	ug/L	99
53) m,p-Xylene	11.793	106	444901	52.749	ug/L	98
54) o-Xylene	12.122	106	442885	54.613	ug/L	99
55) Styrene	12.140	104	777919	54.836	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.675	83	211178	52.860	ug/L	97
59) Bromoform	12.304	173	129112	49.629	ug/L #	98
60) Isopropylbenzene	12.422	105	1192445	48.597	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	141582	44.365	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	912972	49.224	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	929931	49.435	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	506221	50.010	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	517517	50.399	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	464496	51.529	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	30889	44.168	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	354186	51.463	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	299696	51.711	ug/L	99
71) Naphthalene	15.334	128	573133	52.593	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	264217	53.155	ug/L	99

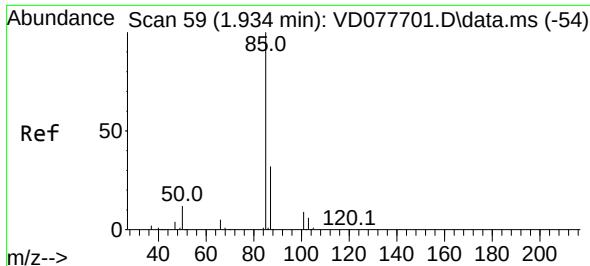
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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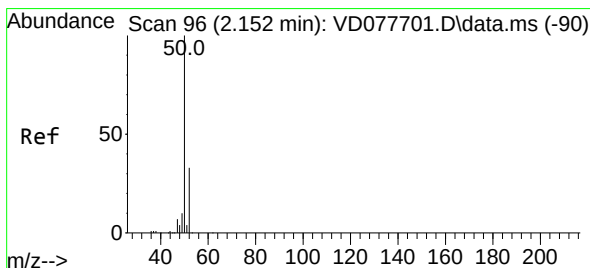
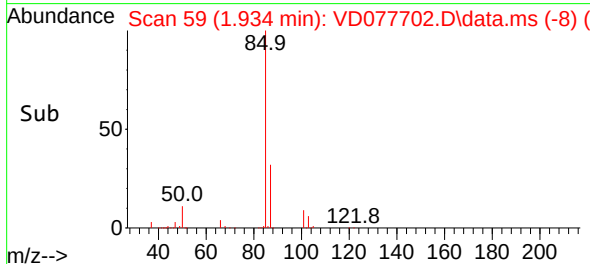
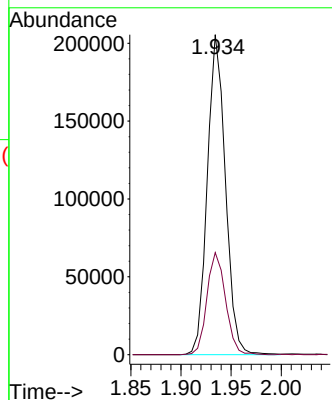
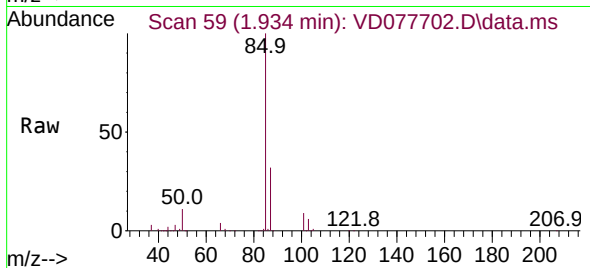




#2
Dichlorodifluoromethane
Concen: 51.549 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

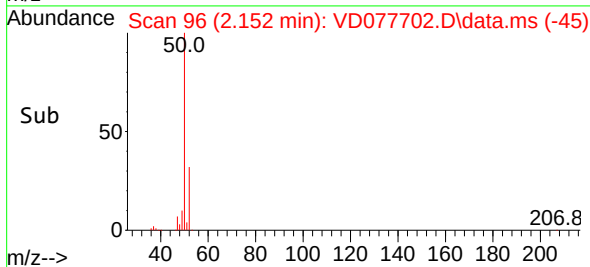
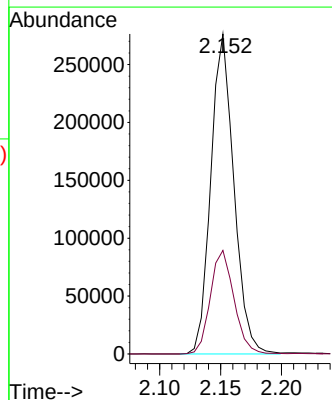
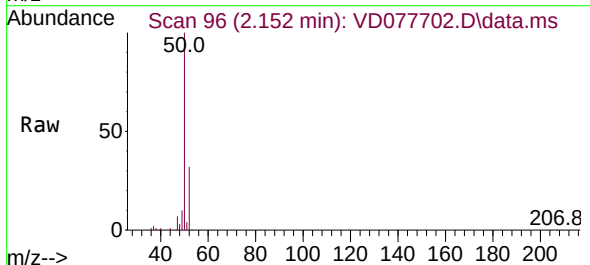
Instrument :
MSVOA_D
ClientSampleId :

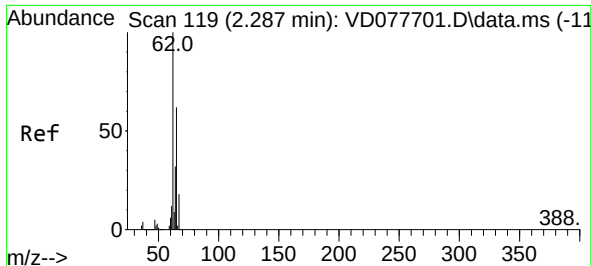
Tgt Ion: 85 Resp: 258954
Ion Ratio Lower Upper
85 100
87 32.7 25.6 38.4



#3
Chloromethane
Concen: 50.516 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion: 50 Resp: 364681
Ion Ratio Lower Upper
50 100
52 32.3 23.2 43.2

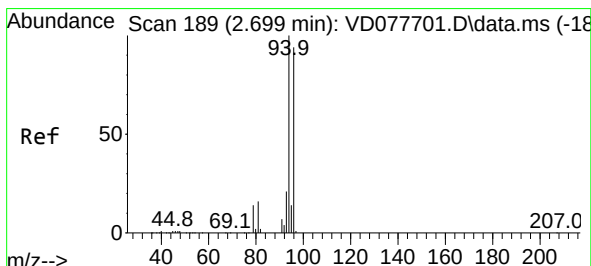
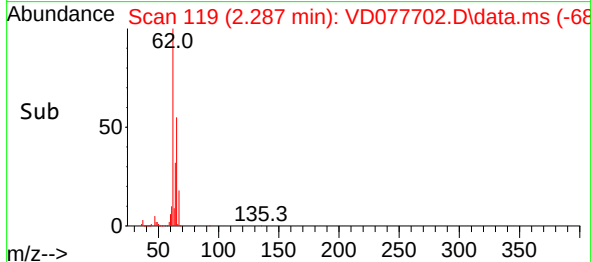
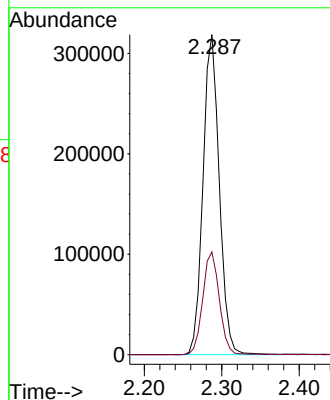
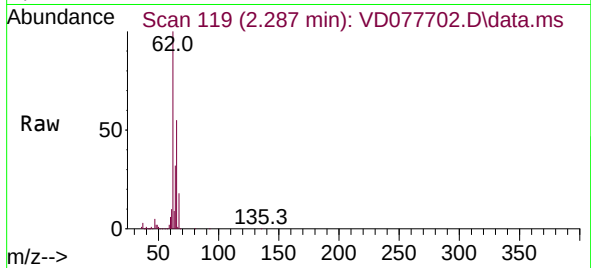




#5
Vinyl chloride
Concen: 55.979 ug/L
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

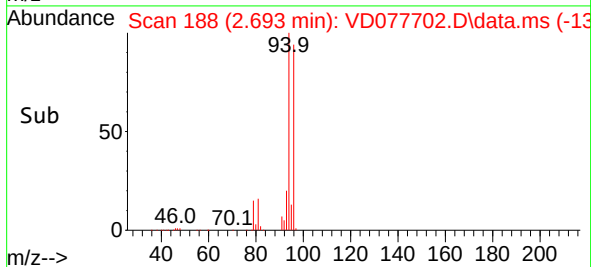
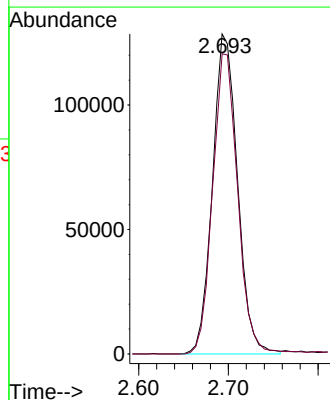
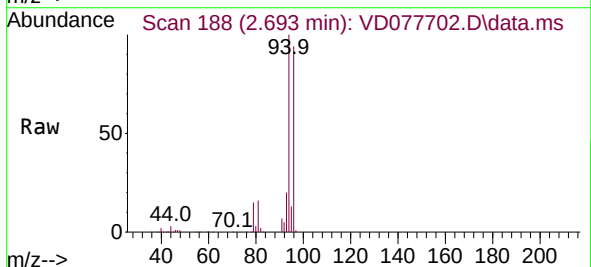
Instrument :
MSVOA_D
ClientSampleId :

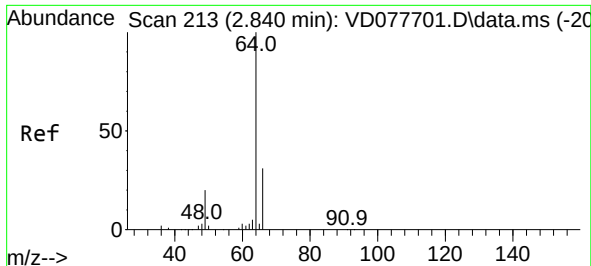
Tgt Ion: 62 Resp: 465291
Ion Ratio Lower Upper
62 100
64 32.1 22.6 42.0



#6
Bromomethane
Concen: 57.092 ug/L
RT: 2.693 min Scan# 188
Delta R.T. -0.006 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion: 94 Resp: 248713
Ion Ratio Lower Upper
94 100
96 93.8 66.0 122.6

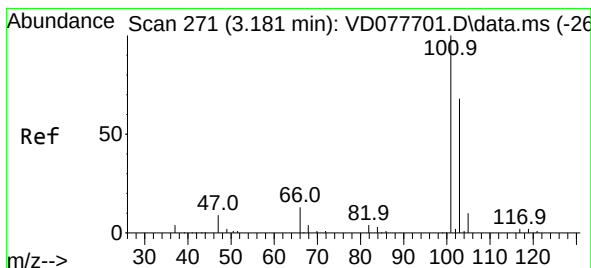
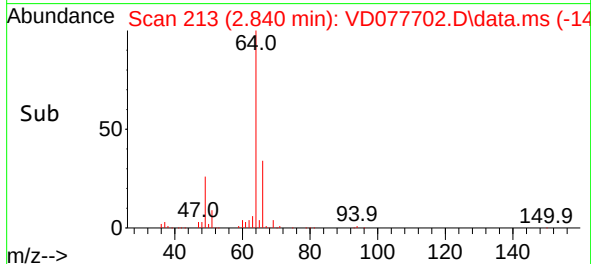
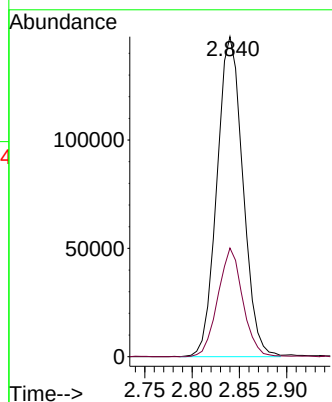
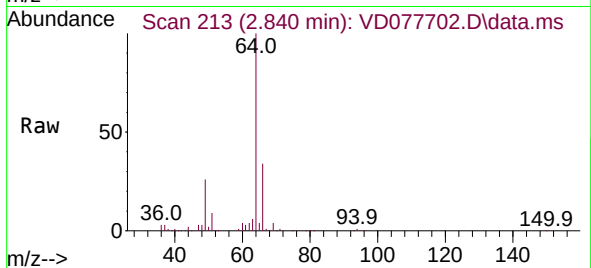




#8
Chloroethane
Concen: 54.634 ug/L
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

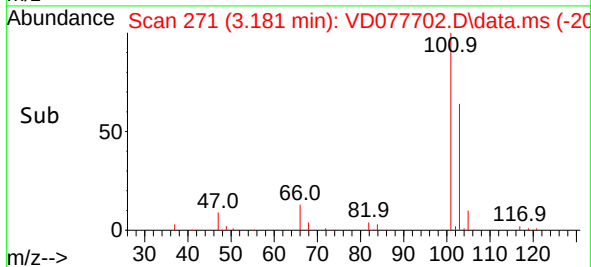
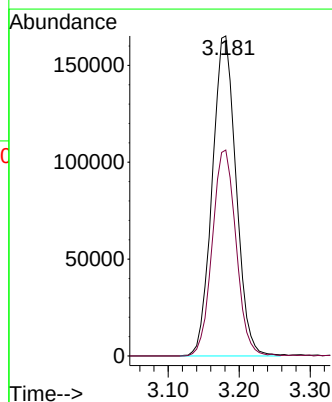
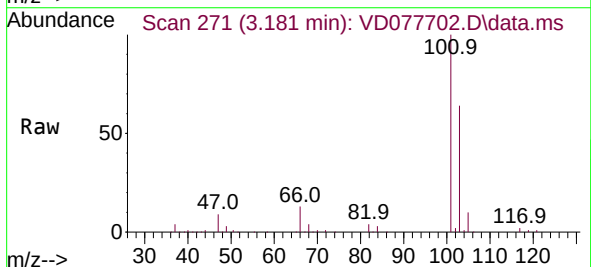
Instrument :
MSVOA_D
ClientSampleId :

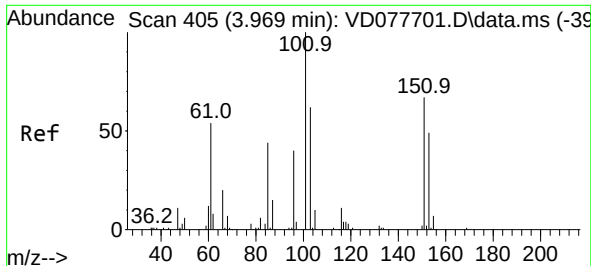
Tgt Ion: 64 Resp: 281603
Ion Ratio Lower Upper
64 100
66 34.0 22.0 41.0



#9
Trichlorofluoromethane
Concen: 52.022 ug/L
RT: 3.181 min Scan# 271
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion:101 Resp: 384710
Ion Ratio Lower Upper
101 100
103 64.1 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.329 ug/L

RT: 3.969 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

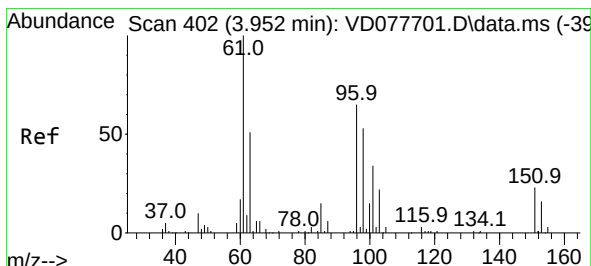
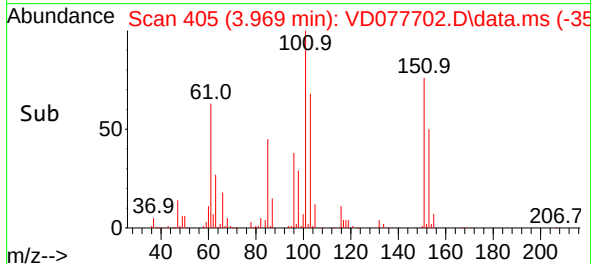
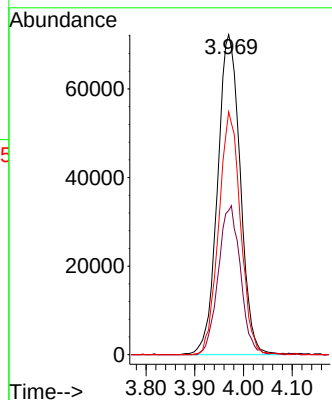
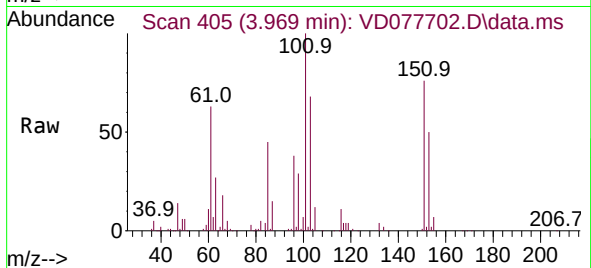
Tgt Ion:101 Resp: 233734

Ion Ratio Lower Upper

101 100

85 45.5 35.8 53.6

151 72.8 57.0 85.6



#12

1,1-Dichloroethene

Concen: 0.032 ug/L

RT: 4.140 min Scan# 434

Delta R.T. 0.188 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

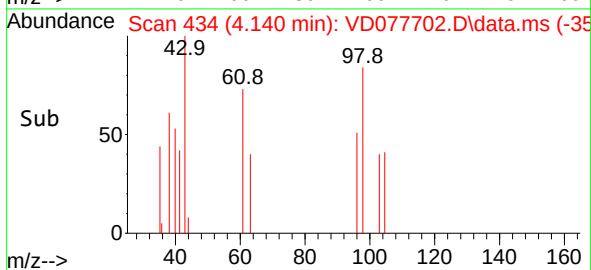
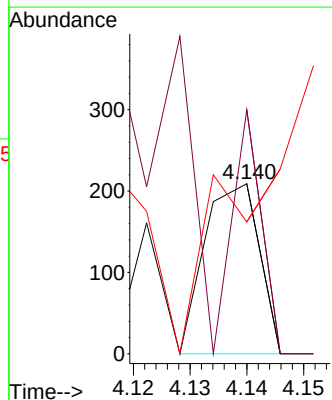
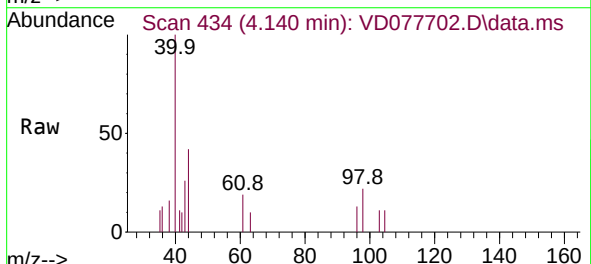
Tgt Ion: 96 Resp: 140

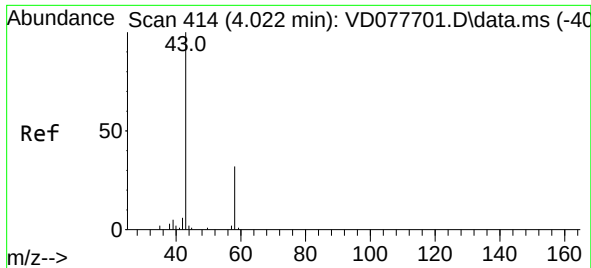
Ion Ratio Lower Upper

96 100

61 143.5 108.6 201.6

63 77.5 60.3 111.9





#13

Acetone

Concen: 110.868 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

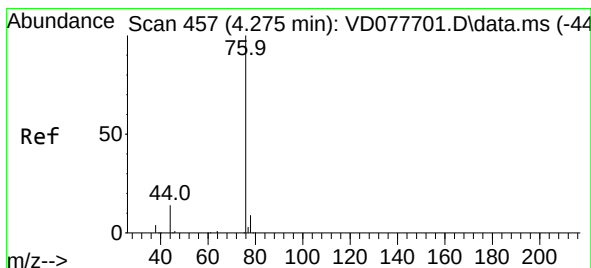
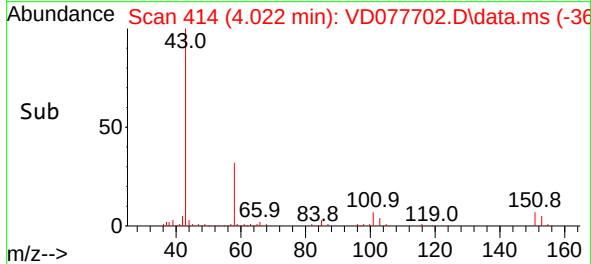
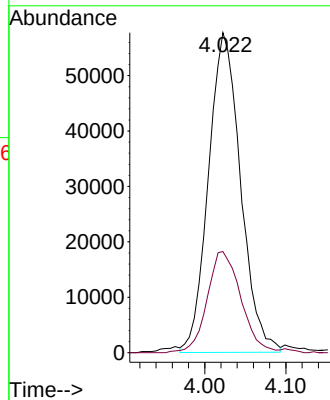
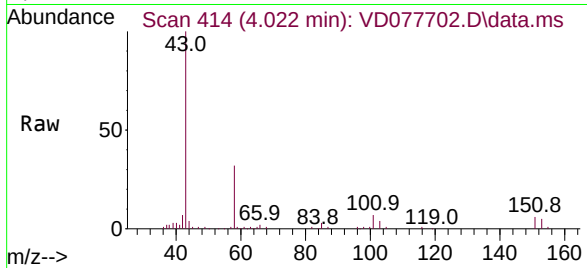
ClientSampleId :

Tgt Ion: 43 Resp: 158795

Ion Ratio Lower Upper

43 100

58 33.0 0.0 67.2



#14

Carbon disulfide

Concen: 49.341 ug/L

RT: 4.275 min Scan# 457

Delta R.T. -0.000 min

Lab File: VD077702.D

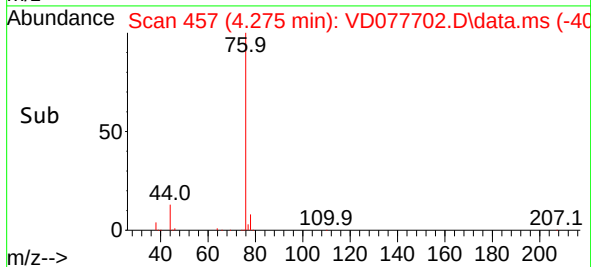
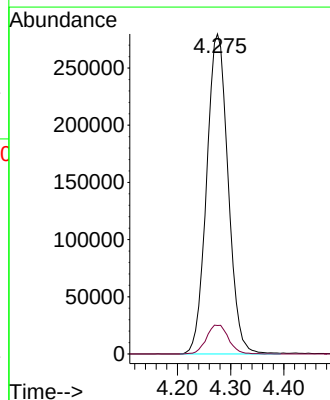
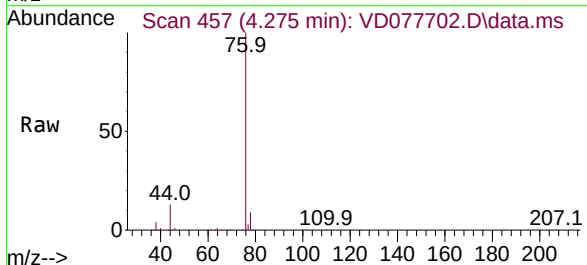
Acq: 29 Nov 2023 15:56

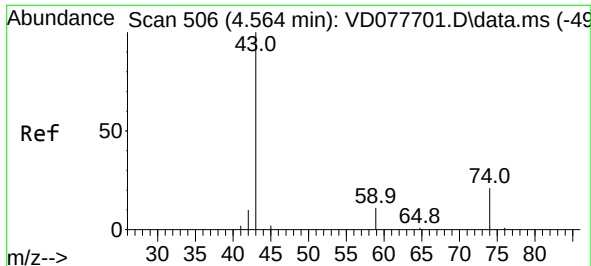
Tgt Ion: 76 Resp: 783737

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8

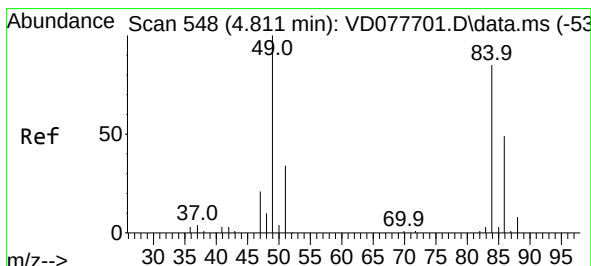
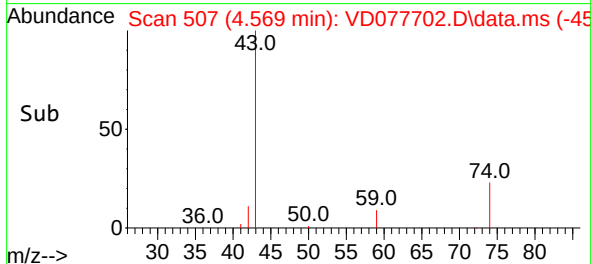
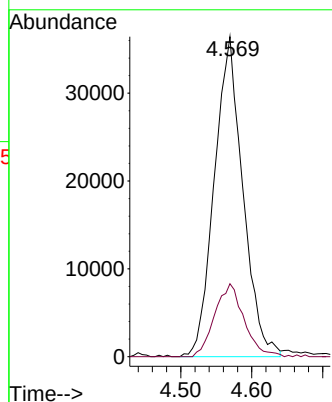
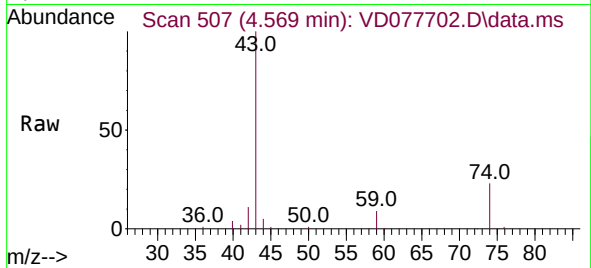




#15
Methyl Acetate
Concen: 44.407 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

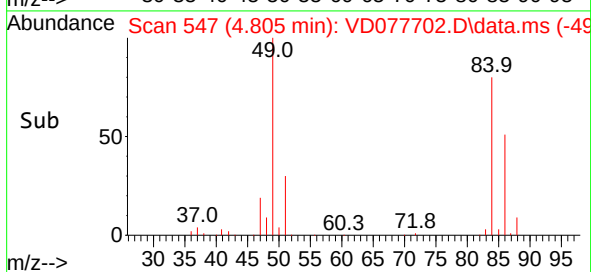
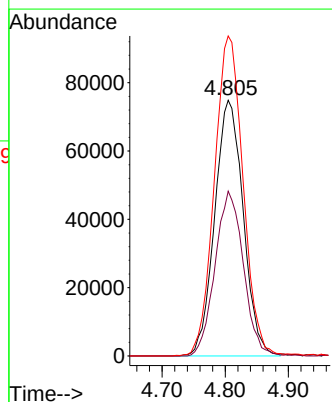
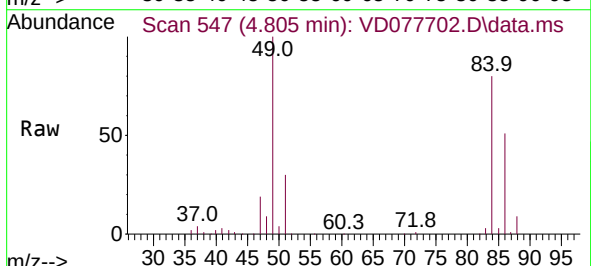
Instrument :
MSVOA_D
ClientSampleId :

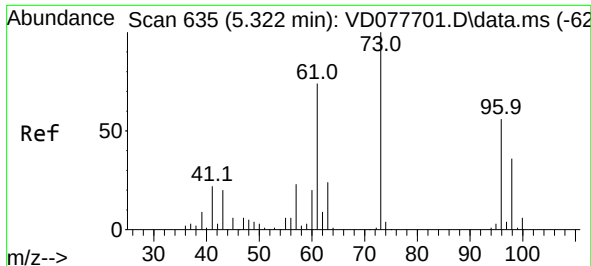
Tgt Ion: 43 Resp: 101645
Ion Ratio Lower Upper
43 100
74 23.4 18.6 27.8



#16
Methylene chloride
Concen: 44.858 ug/L
RT: 4.805 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion: 84 Resp: 235012
Ion Ratio Lower Upper
84 100
86 64.5 40.1 74.5
49 125.2 83.2 154.6





#17

trans-1,2-Dichloroethene

Concen: 50.996 ug/L

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

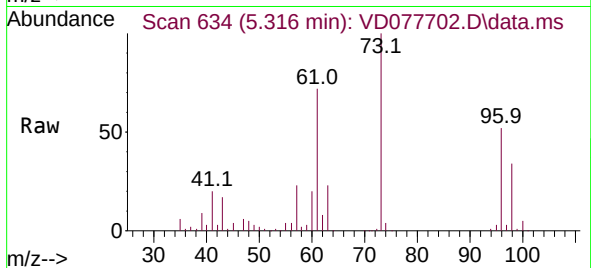
Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :



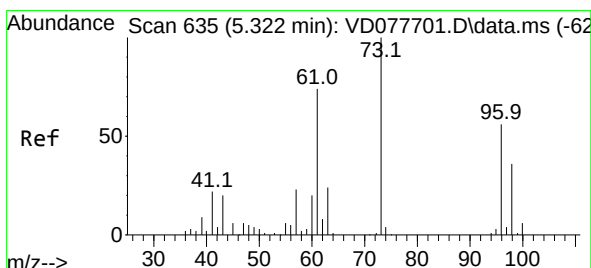
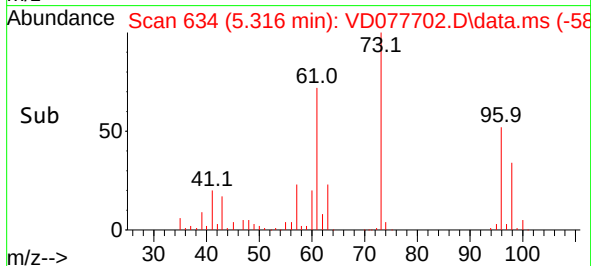
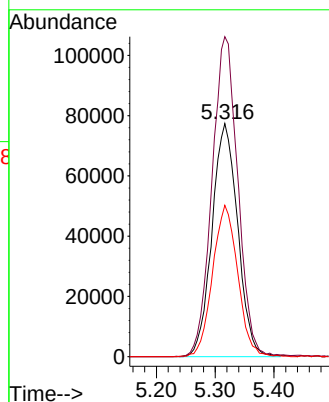
Tgt Ion: 96 Resp: 235279

Ion Ratio Lower Upper

96 100

61 137.3 92.3 171.3

98 64.9 44.7 82.9



#18

Methyl tert-butyl Ether

Concen: 49.147 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

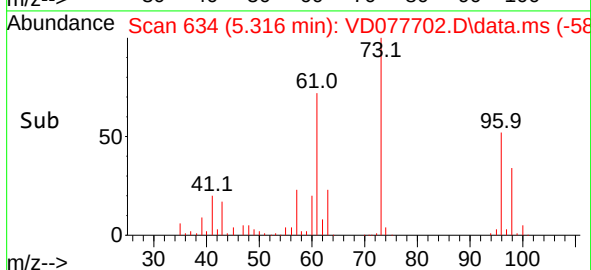
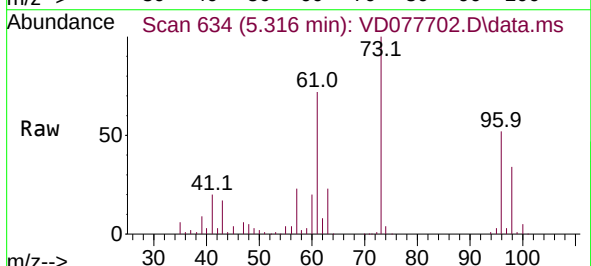
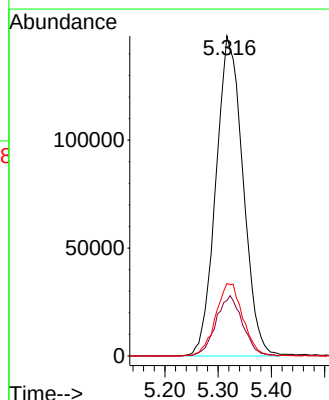
Tgt Ion: 73 Resp: 524182

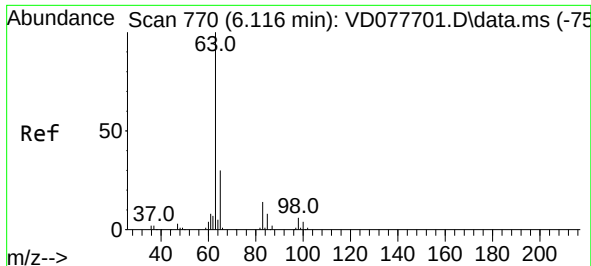
Ion Ratio Lower Upper

73 100

43 18.5 15.0 22.4

57 22.1 18.1 27.1





#19

1,1-Dichloroethane

Concen: 46.662 ug/L

RT: 6.116 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

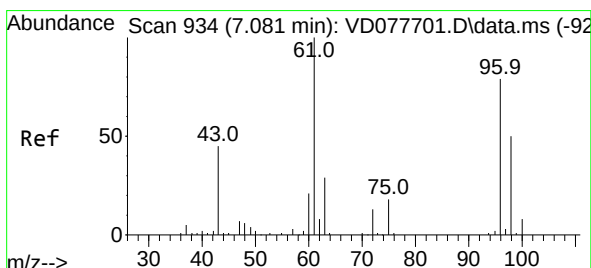
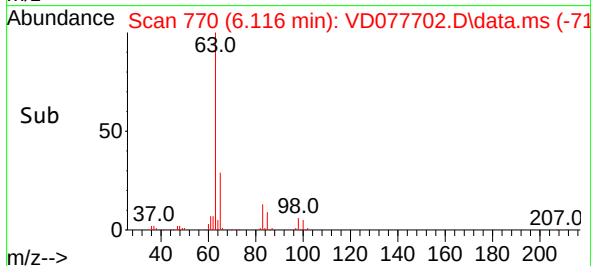
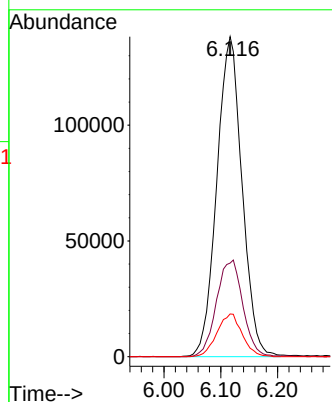
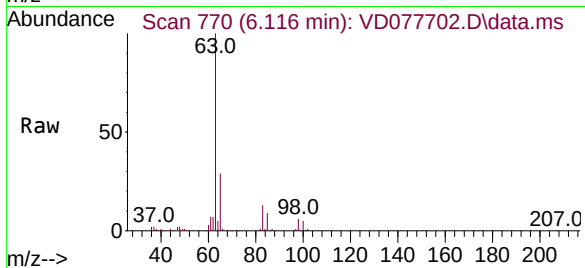
Tgt Ion: 63 Resp: 426912

Ion Ratio Lower Upper

63 100

65 29.3 20.9 38.9

83 13.4 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 50.660 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

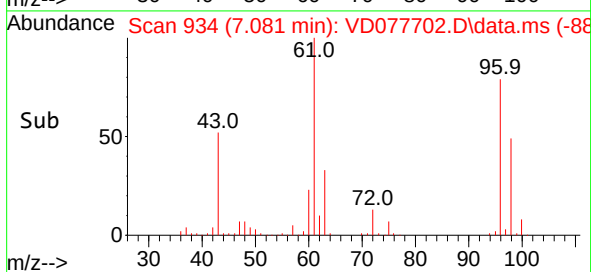
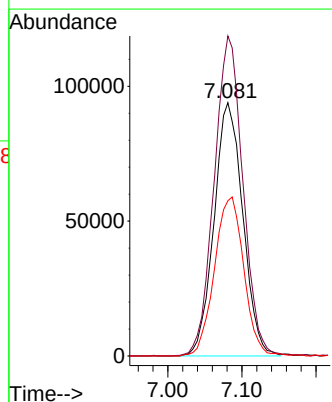
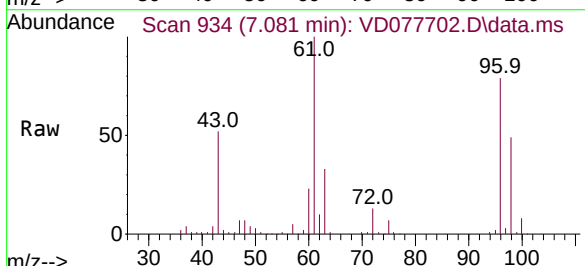
Tgt Ion: 96 Resp: 253715

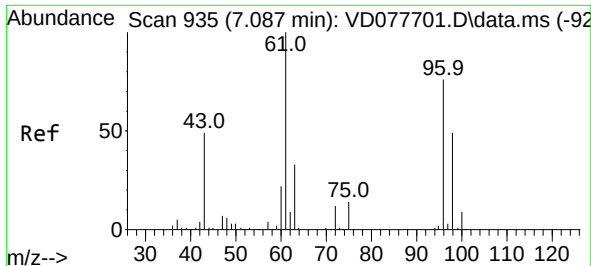
Ion Ratio Lower Upper

96 100

61 126.4 88.1 163.5

98 61.3 44.1 81.9

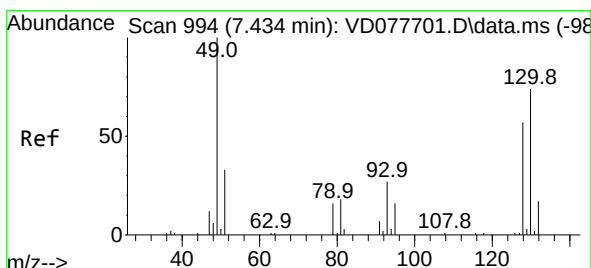
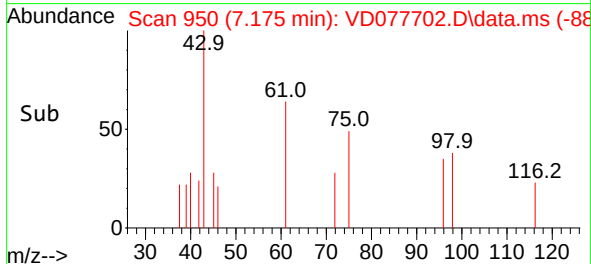
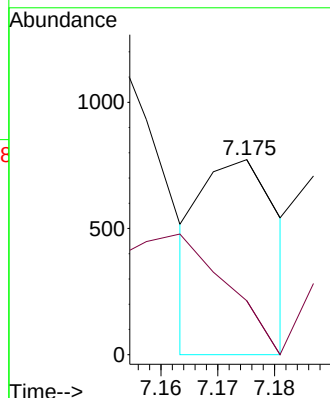
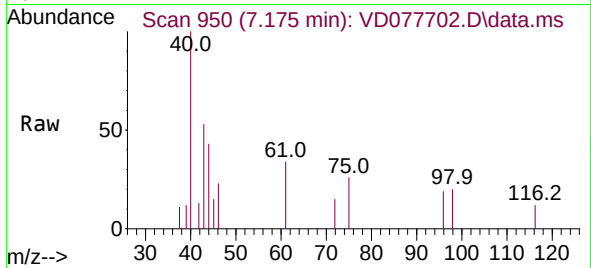




#22
2-Butanone
Concen: 0.419 ug/L
RT: 7.175 min Scan# 91
Delta R.T. 0.088 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

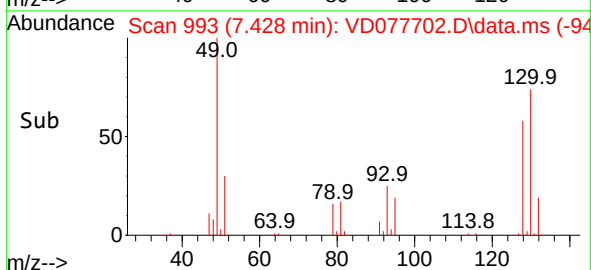
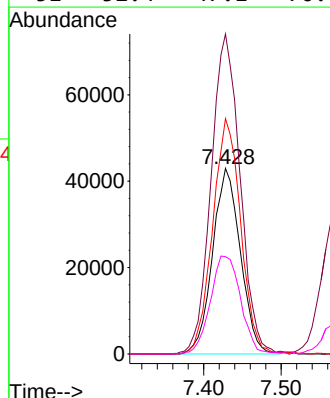
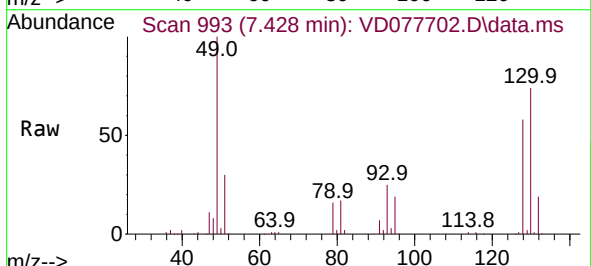
Instrument :
MSVOA_D
ClientSampleId :

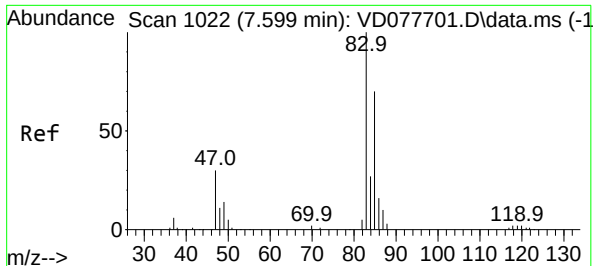
Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
72 13.9 7.2 21.6



#23
Bromochloromethane
Concen: 52.879 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion: 128 Resp: 107195
Ion Ratio Lower Upper
128 100
49 172.4 124.7 231.5
130 126.8 92.3 171.3
51 52.4 47.1 70.7





#25

Chloroform

Concen: 49.003 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

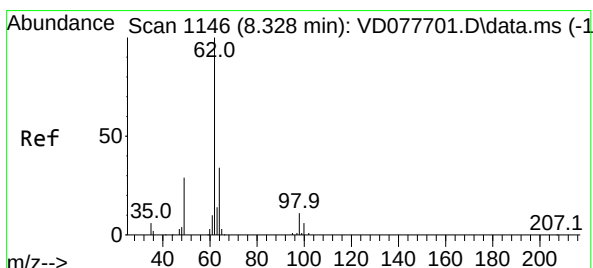
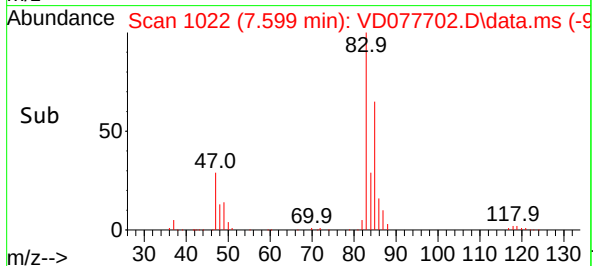
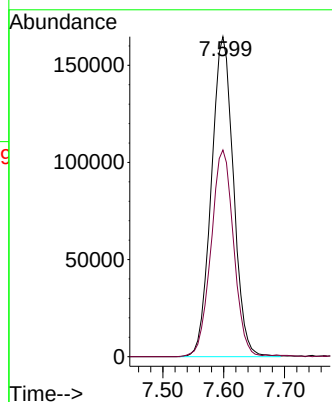
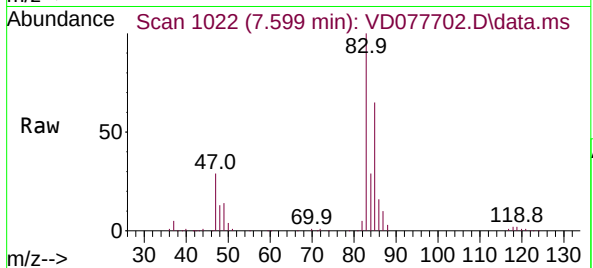
ClientSampleId :

Tgt Ion: 83 Resp: 414962

Ion Ratio Lower Upper

83 100

85 64.6 48.9 90.9



#27

1,2-Dichloroethane

Concen: 48.100 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077702.D

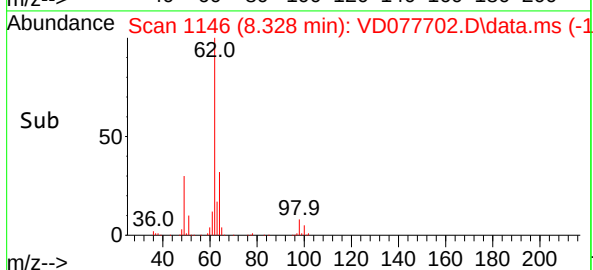
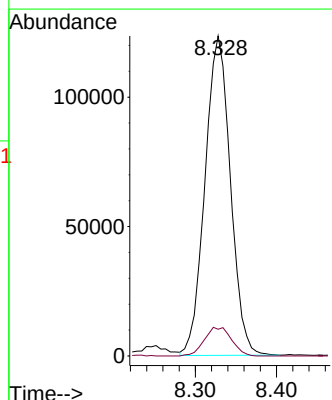
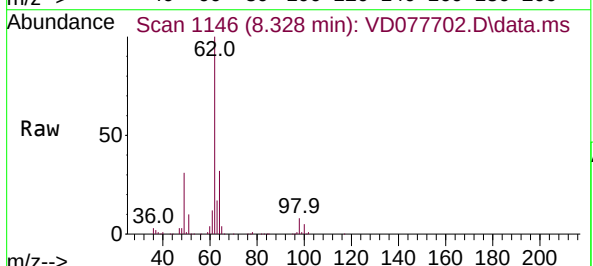
Acq: 29 Nov 2023 15:56

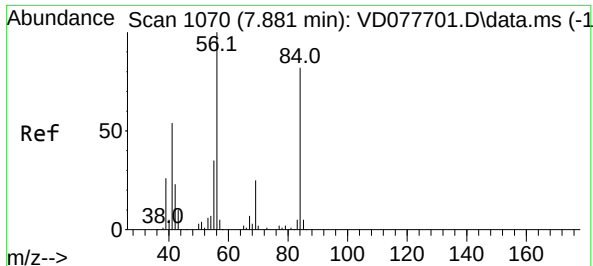
Tgt Ion: 62 Resp: 268474

Ion Ratio Lower Upper

62 100

98 8.4 8.4 12.6#





#29

Cyclohexane

Concen: 44.407 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

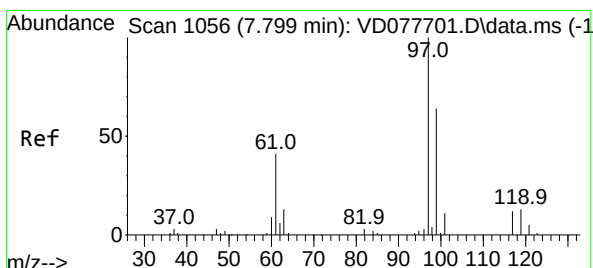
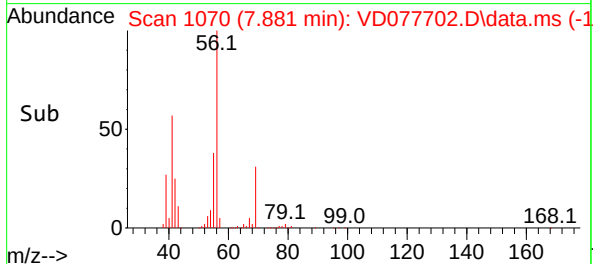
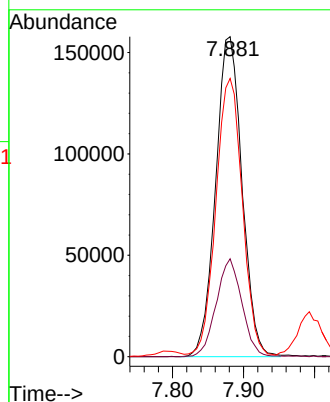
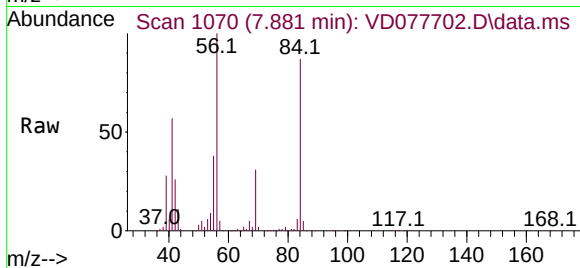
Tgt Ion: 56 Resp: 407231

Ion Ratio Lower Upper

56 100

69 29.6 22.2 33.4

84 87.1 68.5 102.7



#30

1,1,1-Trichloroethane

Concen: 48.540 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

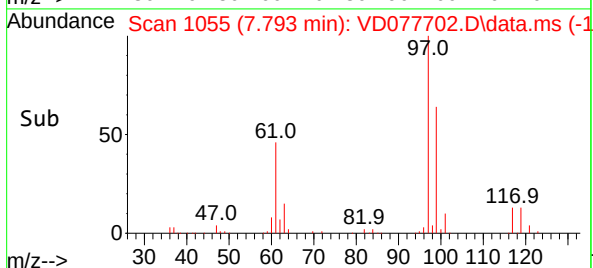
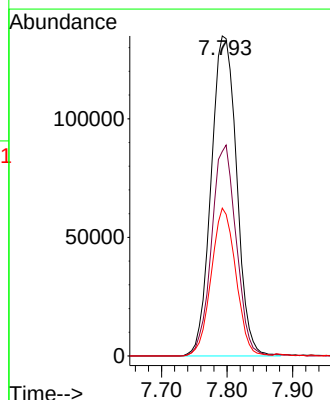
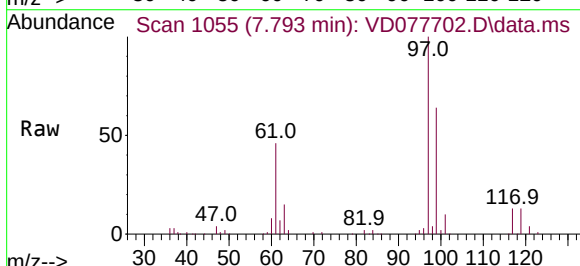
Tgt Ion: 97 Resp: 364431

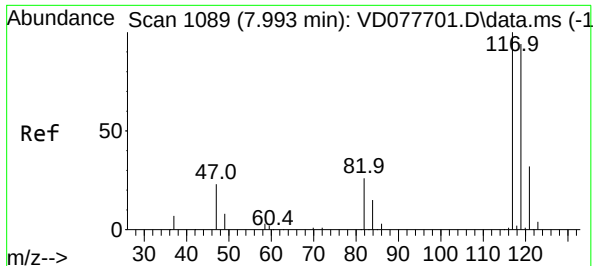
Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.2

61 44.6 35.4 53.2

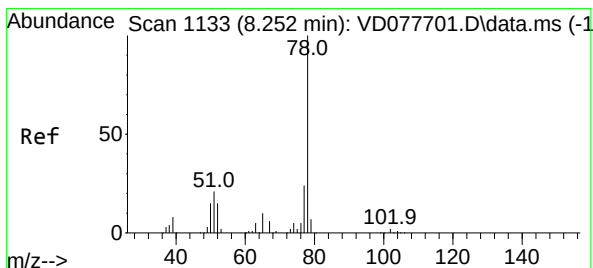
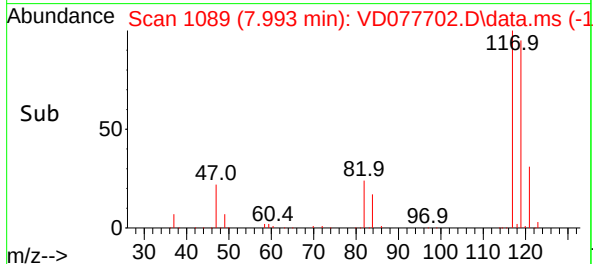
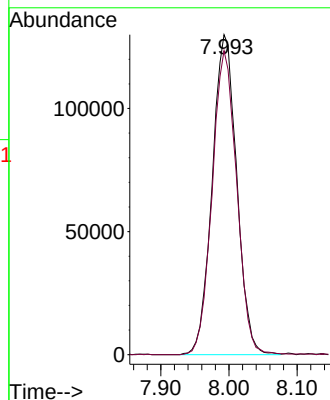
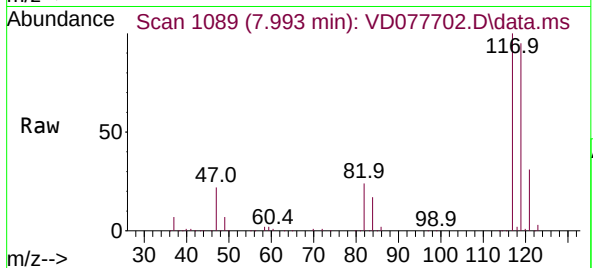




#31
Carbon tetrachloride
Concen: 50.060 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

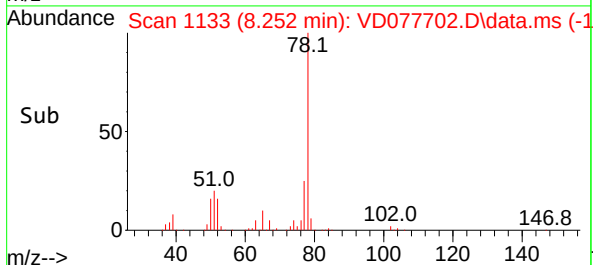
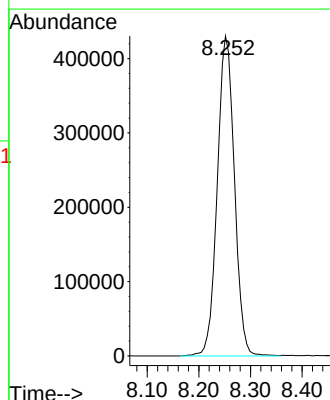
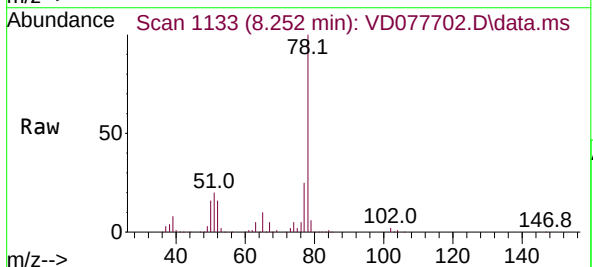
Instrument :
MSVOA_D
ClientSampleId :

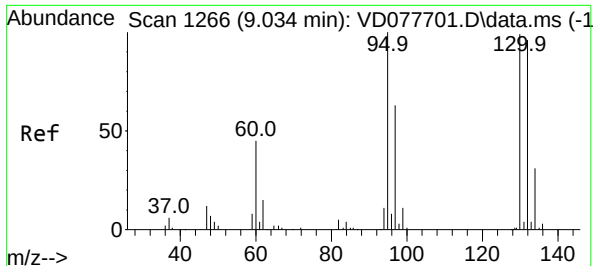
Tgt Ion:117 Resp: 325444
Ion Ratio Lower Upper
117 100
119 95.1 76.3 114.5



#33
Benzene
Concen: 49.864 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion: 78 Resp: 992214

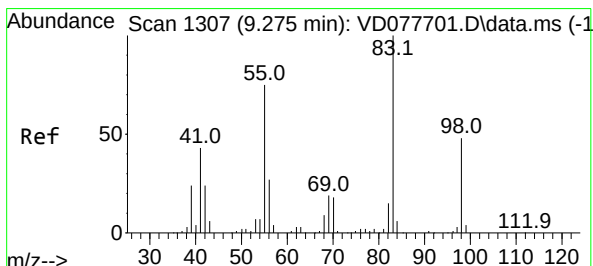
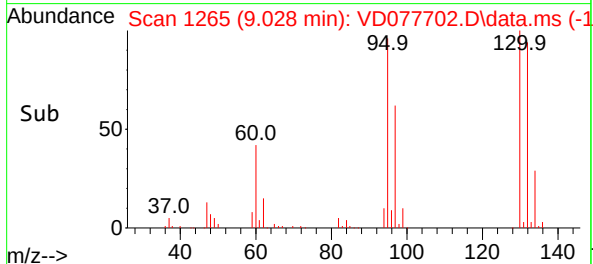
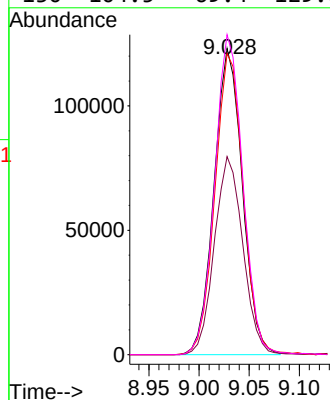
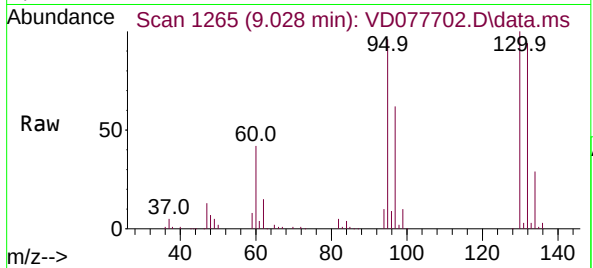




#34
Trichloroethene
Concen: 48.949 ug/L
RT: 9.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

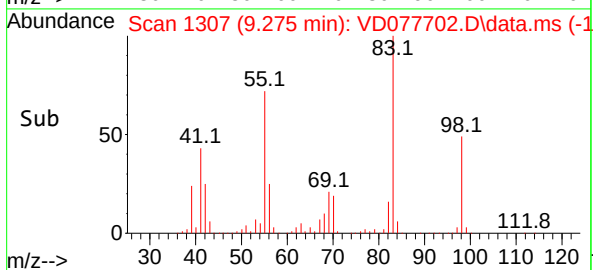
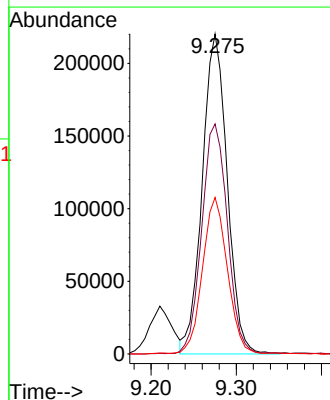
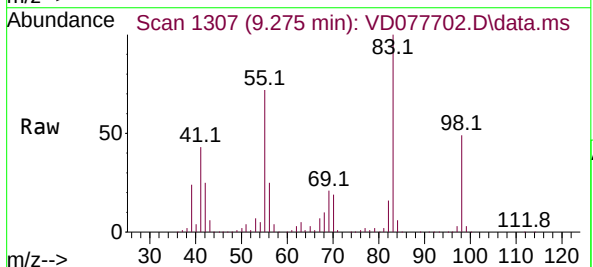
Instrument :
MSVOA_D
ClientSampleId :

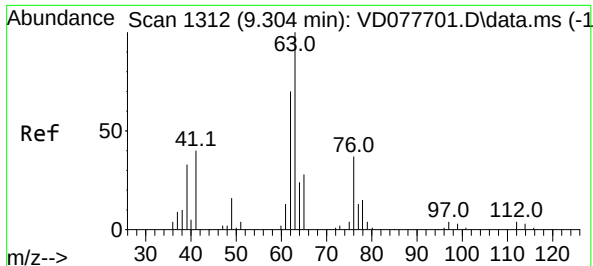
Tgt Ion: 95 Resp: 241788
Ion Ratio Lower Upper
95 100
97 64.7 44.2 82.0
132 98.4 67.5 125.3
130 104.5 69.4 129.0



#35
Methylcyclohexane
Concen: 50.382 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion: 83 Resp: 448563
Ion Ratio Lower Upper
83 100
55 73.3 59.8 89.6
98 48.7 38.5 57.7





#37

1,2-Dichloropropane

Concen: 46.074 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

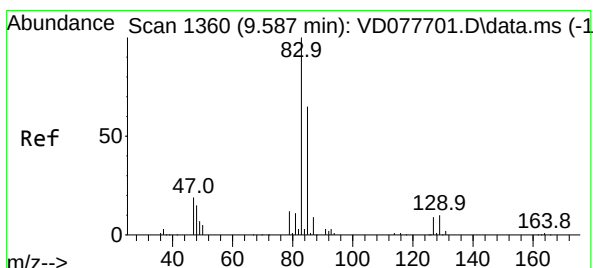
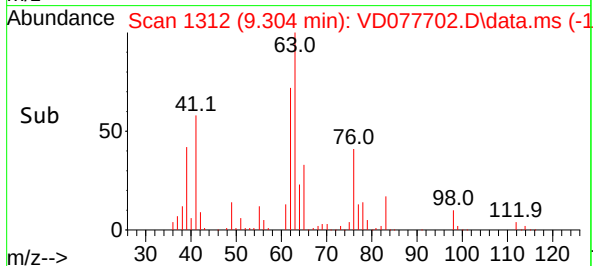
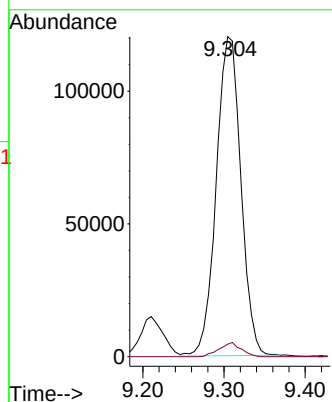
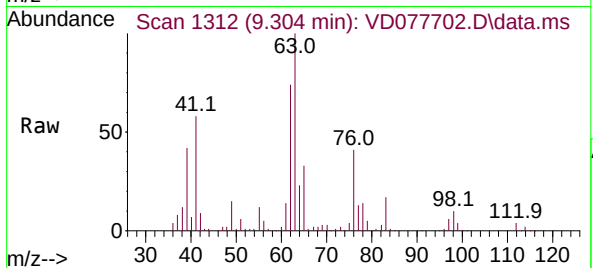
ClientSampleId :

Tgt Ion: 63 Resp: 253283

Ion Ratio Lower Upper

63 100

112 3.9 3.5 5.3



#38

Bromodichloromethane

Concen: 48.602 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

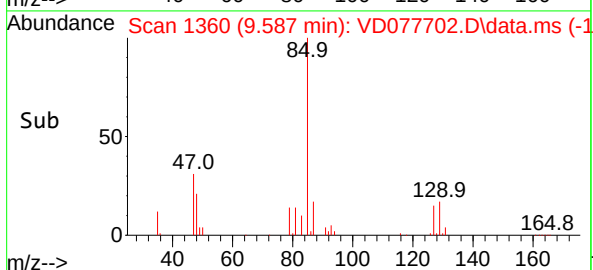
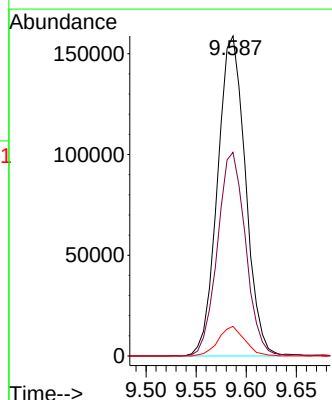
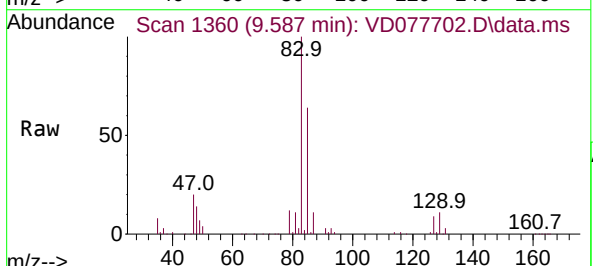
Tgt Ion: 83 Resp: 307328

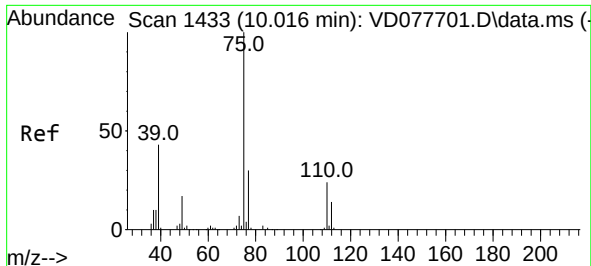
Ion Ratio Lower Upper

83 100

85 63.6 45.5 84.5

127 9.3 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 48.348 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

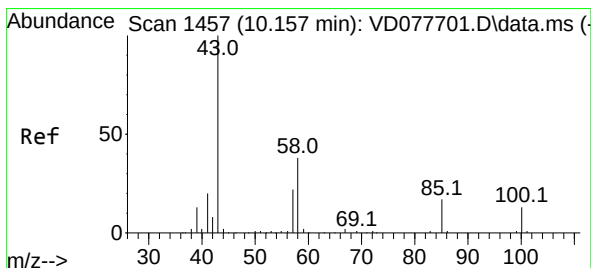
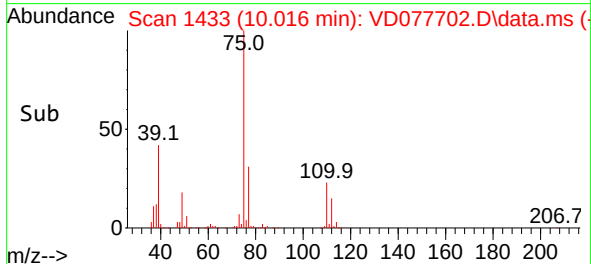
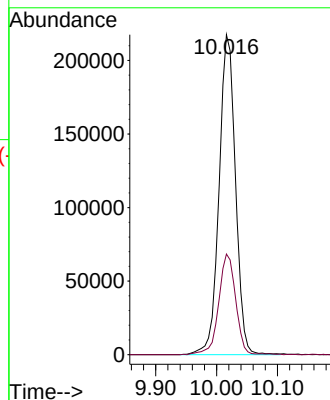
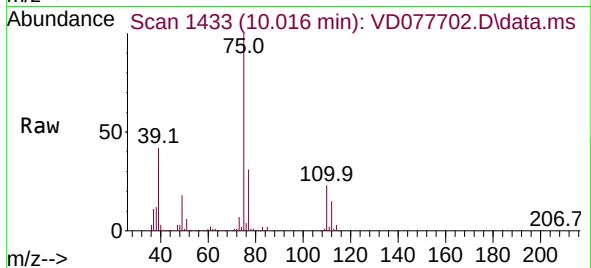
ClientSampleId :

Tgt Ion: 75 Resp: 407699

Ion Ratio Lower Upper

75 100

77 31.4 21.2 39.4



#40

4-Methyl-2-pentanone

Concen: 91.495 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

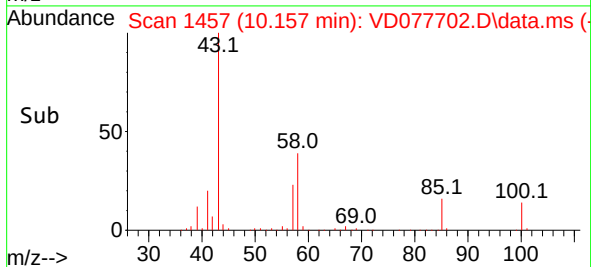
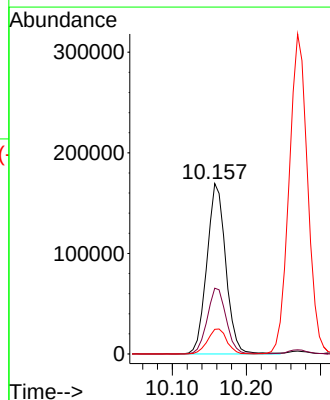
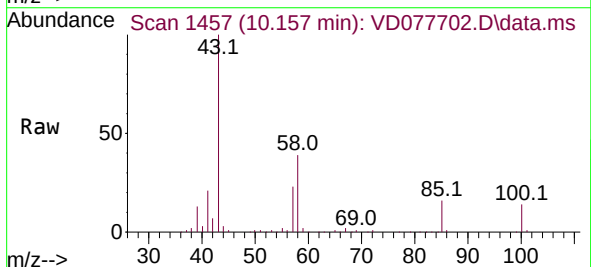
Tgt Ion: 43 Resp: 300037

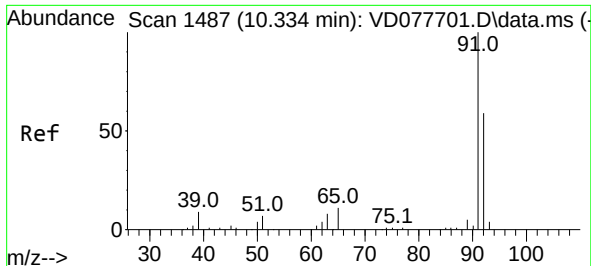
Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.4

100 14.9 11.9 17.9





#42

Toluene

Concen: 51.109 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

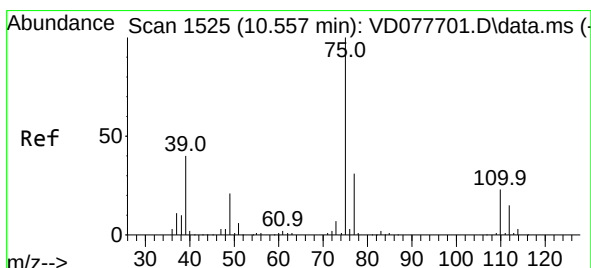
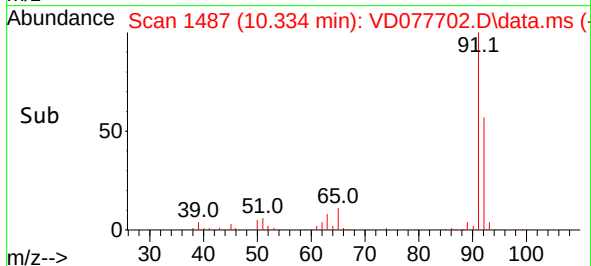
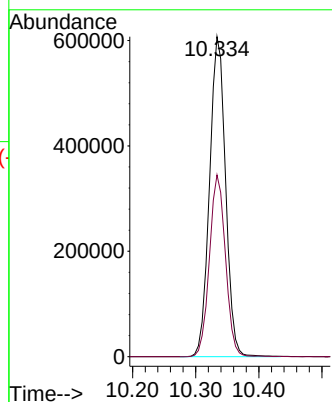
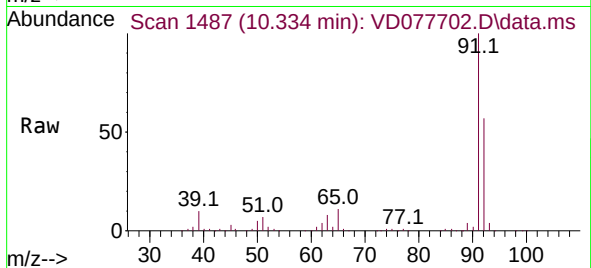
ClientSampleId :

Tgt Ion: 91 Resp: 1072461

Ion Ratio Lower Upper

91 100

92 56.8 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 49.525 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD077702.D

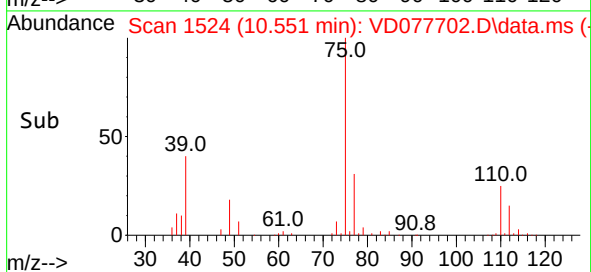
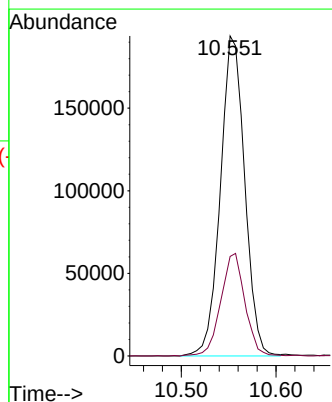
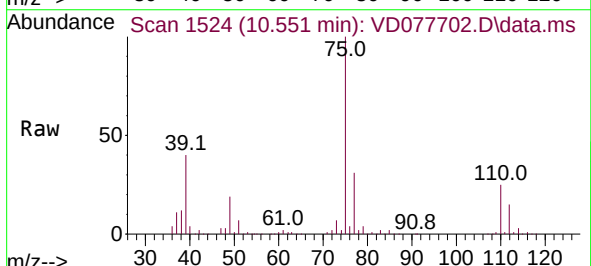
Acq: 29 Nov 2023 15:56

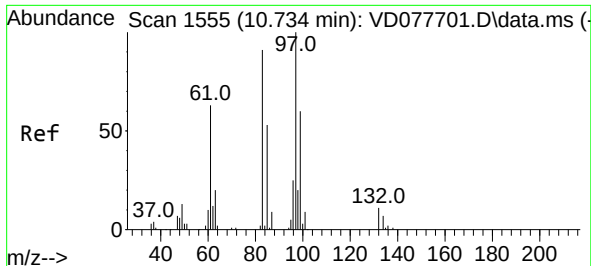
Tgt Ion: 75 Resp: 345585

Ion Ratio Lower Upper

75 100

77 31.1 22.0 40.8

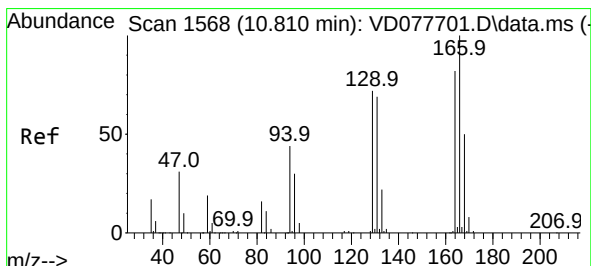
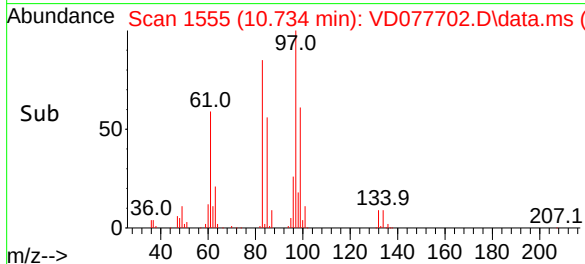
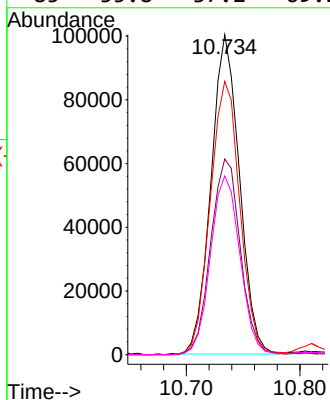
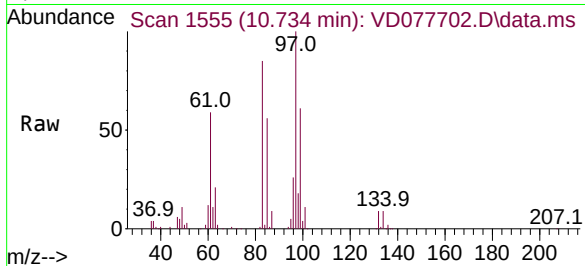




#45
1,1,2-Trichloroethane
Concen: 51.258 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

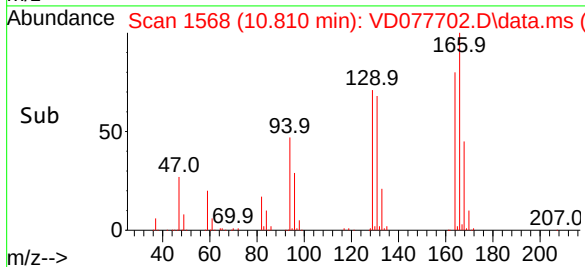
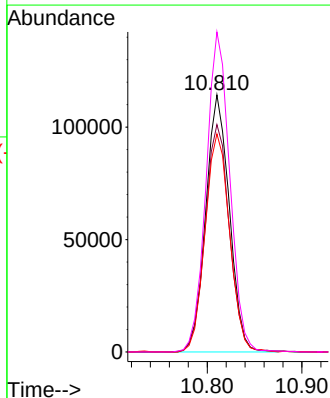
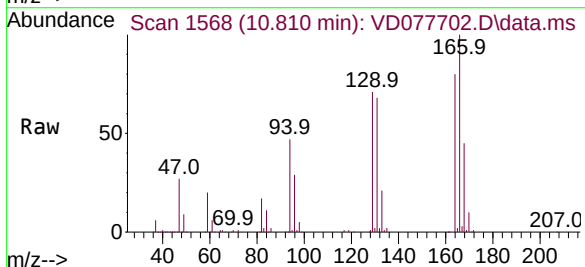
Instrument :
MSVOA_D
ClientSampleId :

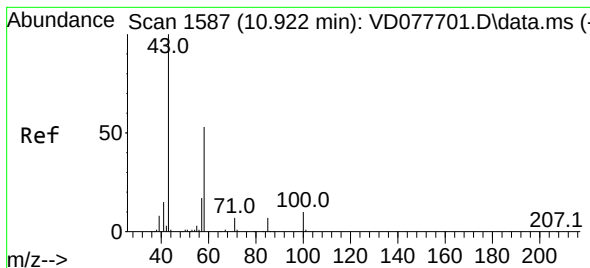
Tgt Ion:	97	Resp:	174319
Ion	Ratio	Lower	Upper
97	100		
99	61.2	41.7	77.5
83	85.4	63.6	118.2
85	55.8	37.2	69.2



#46
Tetrachloroethene
Concen: 53.781 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion:	164	Resp:	198127
Ion	Ratio	Lower	Upper
164	100		
129	88.5	61.5	114.3
131	84.8	59.1	109.9
166	124.5	85.4	158.6





#48

2-Hexanone

Concen: 102.363 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

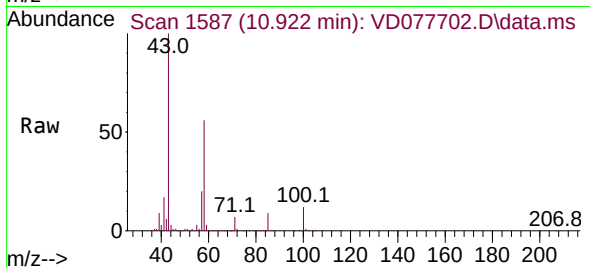
Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 272255

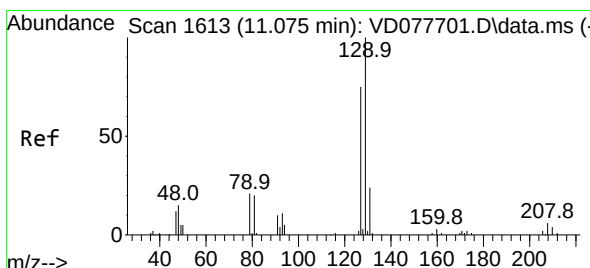
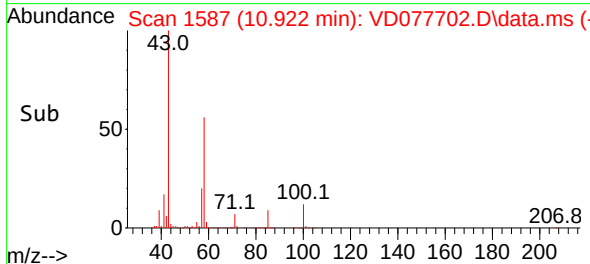
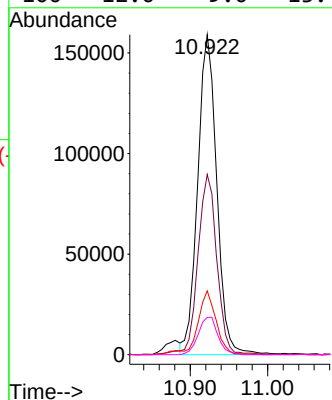
Ion Ratio Lower Upper

43 100

58 53.8 43.0 64.6

57 18.2 13.8 20.8

100 12.0 9.0 13.4



#49

Dibromochloromethane

Concen: 52.432 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD077702.D

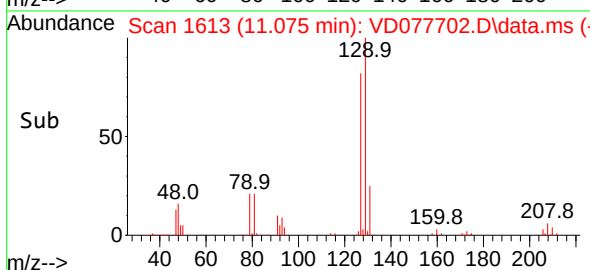
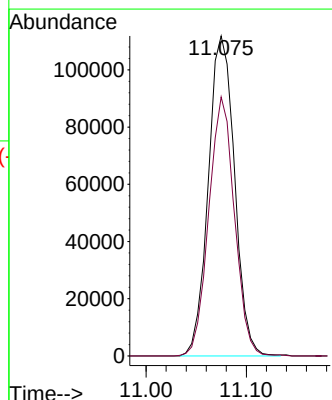
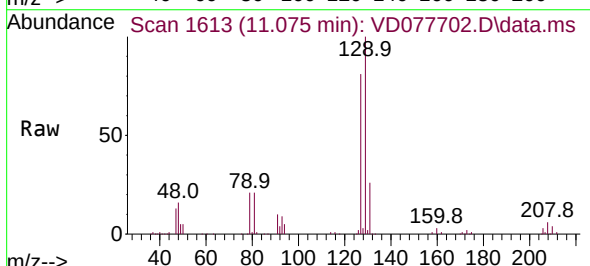
Acq: 29 Nov 2023 15:56

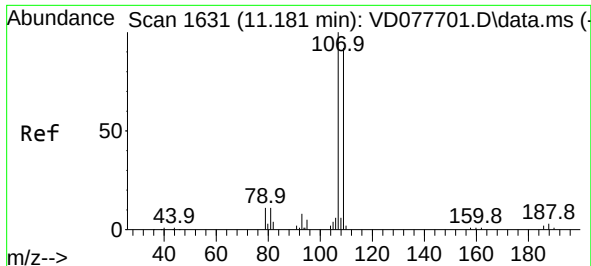
Tgt Ion:129 Resp: 203555

Ion Ratio Lower Upper

129 100

127 80.9 52.8 98.2

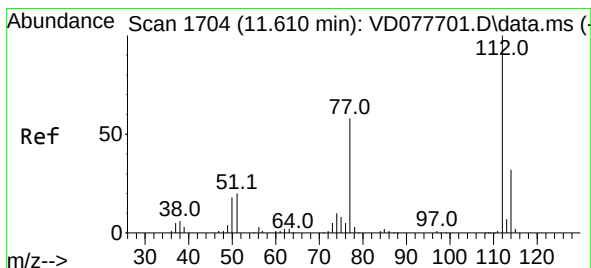
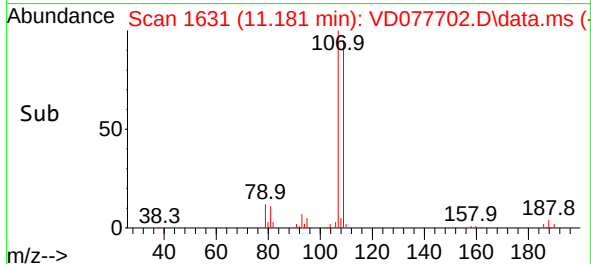
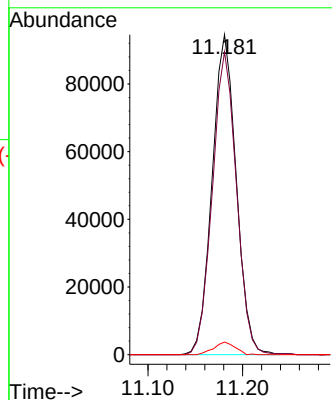
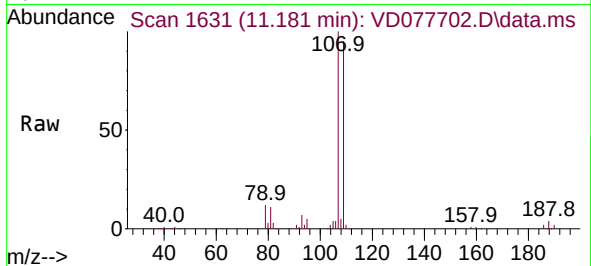




#50
1,2-Dibromoethane
Concen: 51.370 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

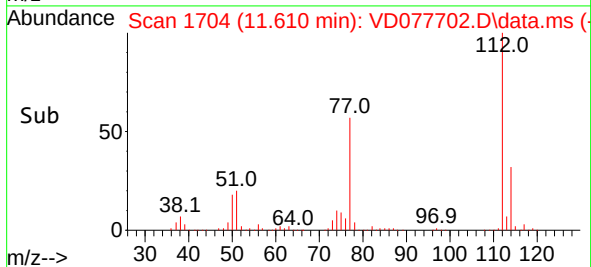
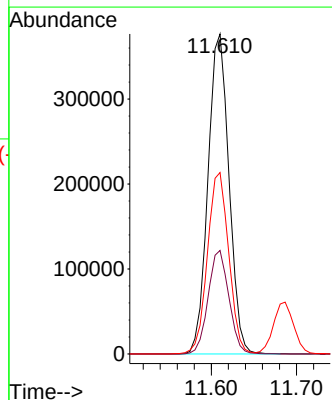
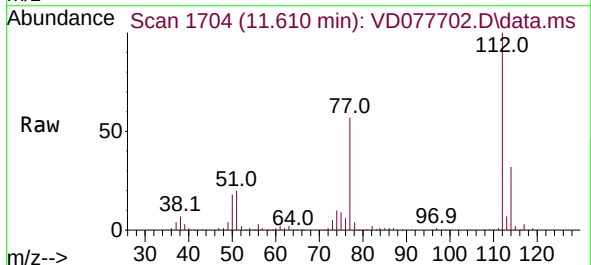
Instrument :
MSVOA_D
ClientSampleId :

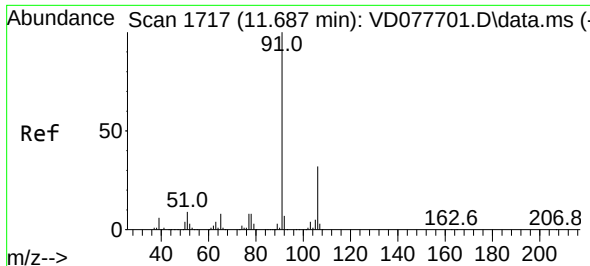
Tgt Ion:107 Resp: 167367
Ion Ratio Lower Upper
107 100
109 94.7 64.2 119.2
188 4.2 2.3 3.5#



#51
Chlorobenzene
Concen: 52.077 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion:112 Resp: 645193
Ion Ratio Lower Upper
112 100
114 32.3 22.5 41.9
77 56.7 46.4 69.6

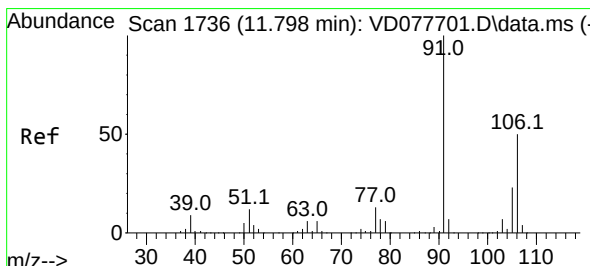
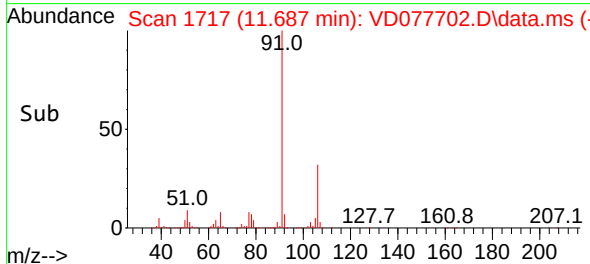
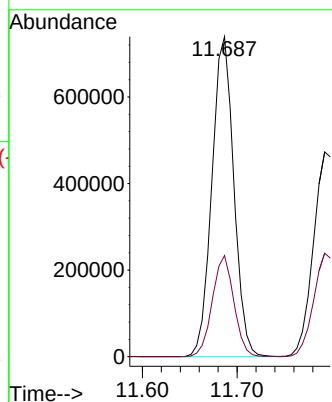
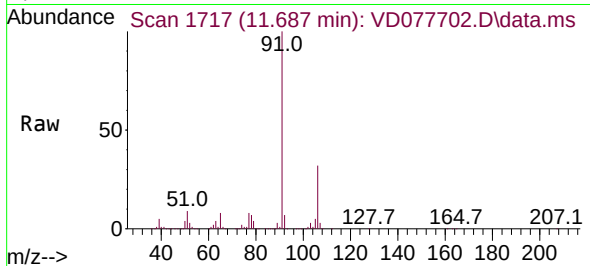




#52
Ethylbenzene
Concen: 51.566 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

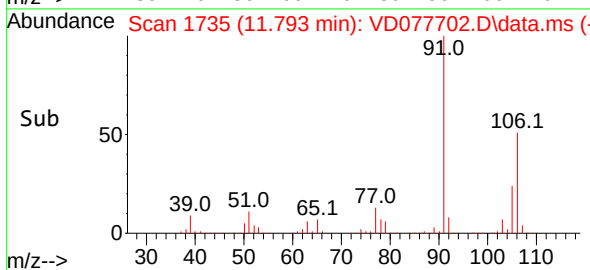
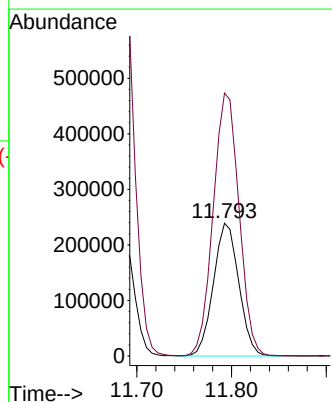
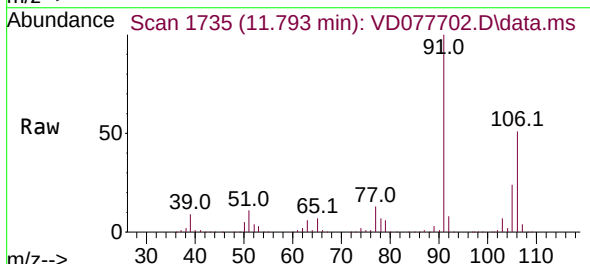
Instrument :
MSVOA_D
ClientSampleId :

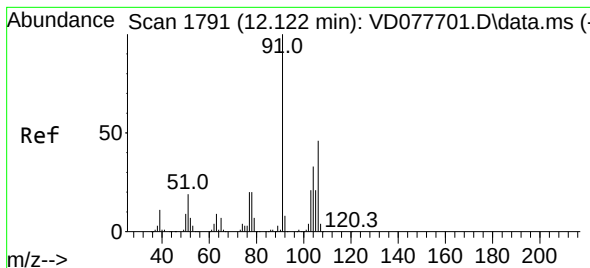
Tgt Ion: 91 Resp: 1187204
Ion Ratio Lower Upper
91 100
106 31.6 22.4 41.6



#53
m,p-Xylene
Concen: 52.749 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion:106 Resp: 444901
Ion Ratio Lower Upper
106 100
91 197.9 140.8 261.6





#54

o-Xylene

Concen: 54.613 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

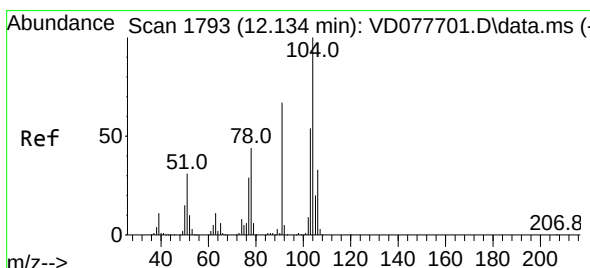
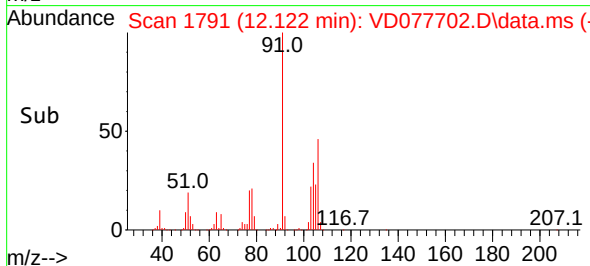
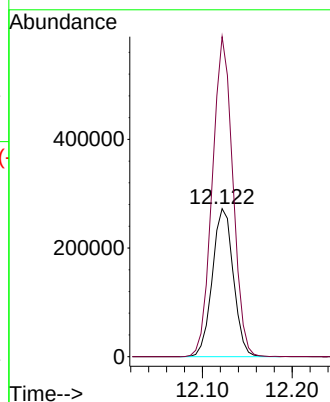
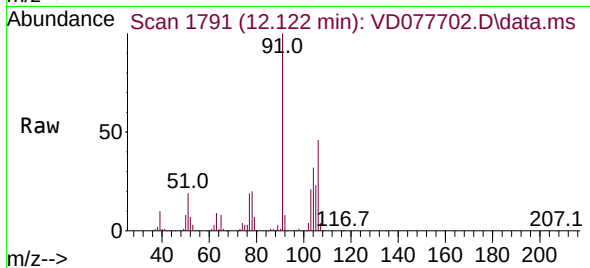
ClientSampleId :

Tgt Ion:106 Resp: 442885

Ion Ratio Lower Upper

106 100

91 216.2 152.2 282.7



#55

Styrene

Concen: 54.836 ug/L

RT: 12.140 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VD077702.D

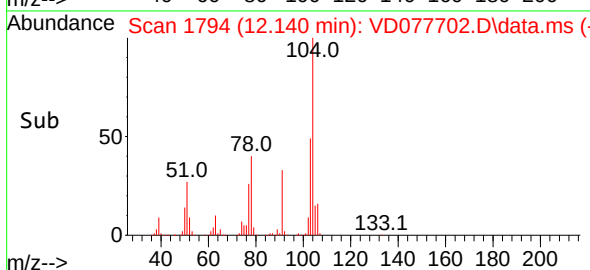
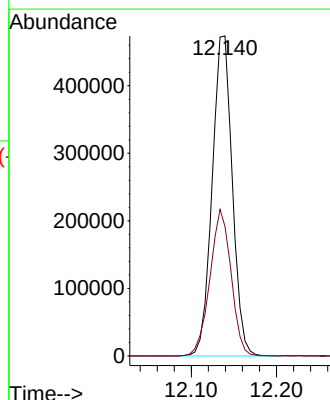
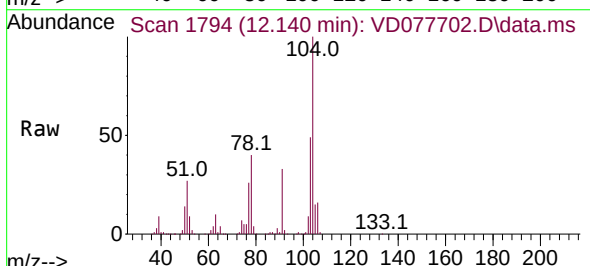
Acq: 29 Nov 2023 15:56

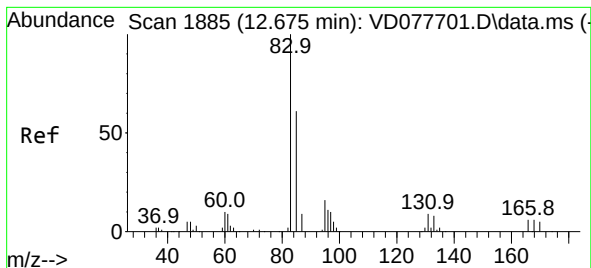
Tgt Ion:104 Resp: 777919

Ion Ratio Lower Upper

104 100

78 40.4 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 52.860 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

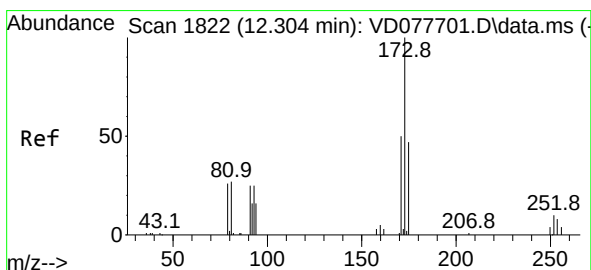
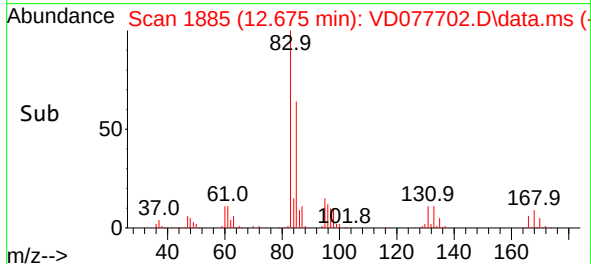
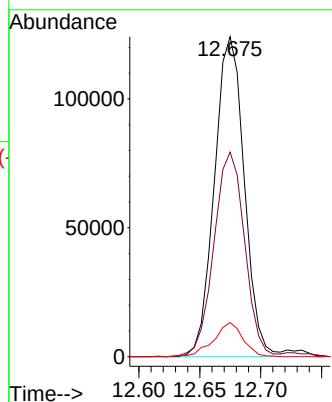
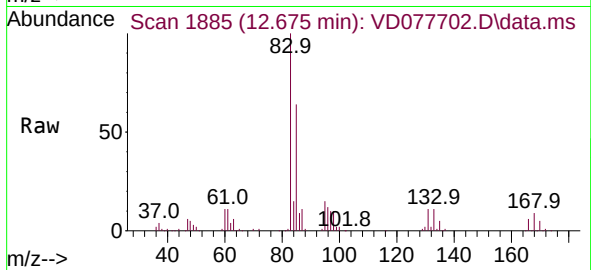
Tgt Ion: 83 Resp: 211178

Ion Ratio Lower Upper

83 100

85 63.9 43.3 80.5

131 10.7 7.3 10.9



#59

Bromoform

Concen: 49.629 ug/L

RT: 12.304 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

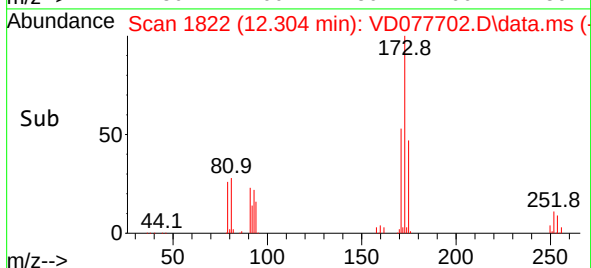
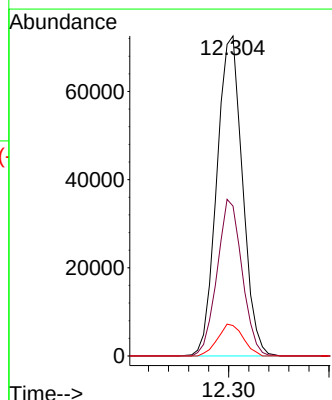
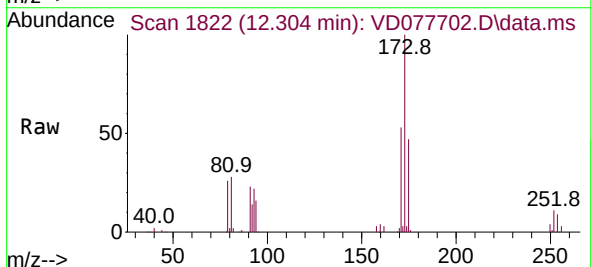
Tgt Ion:173 Resp: 129112

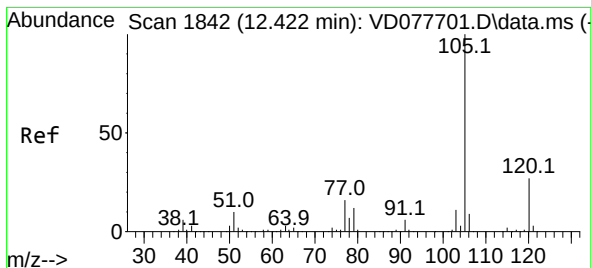
Ion Ratio Lower Upper

173 100

175 47.6 38.7 58.1

254 9.9 1.8 2.8#





#60

Isopropylbenzene

Concen: 48.597 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

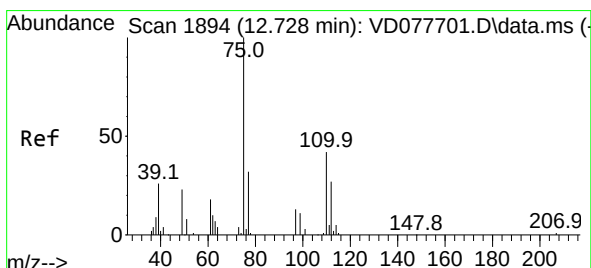
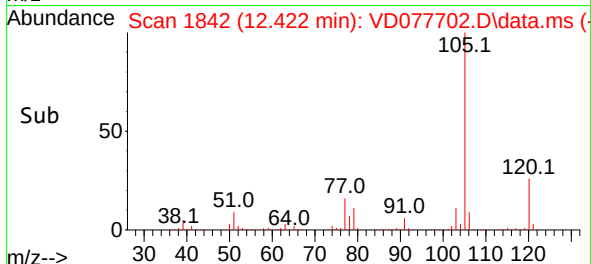
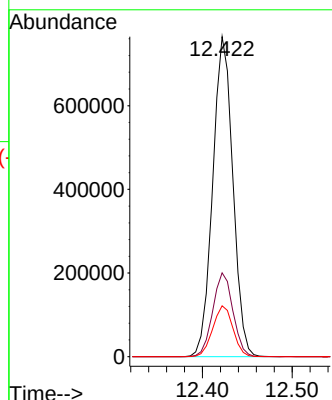
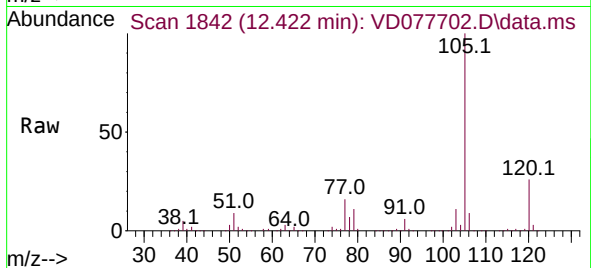
Tgt Ion:105 Resp: 1192445

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

77 15.9 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 44.365 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

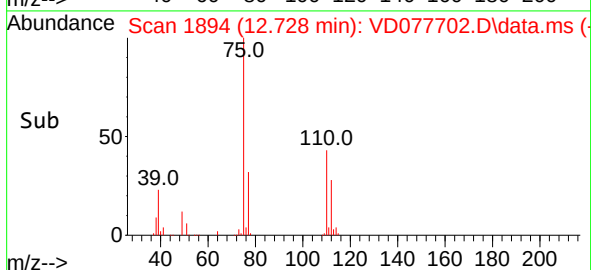
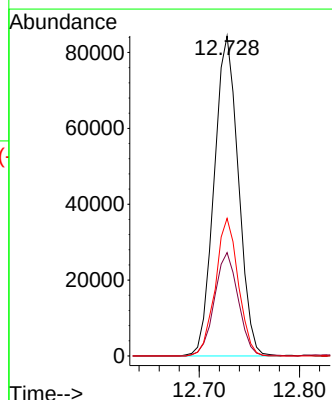
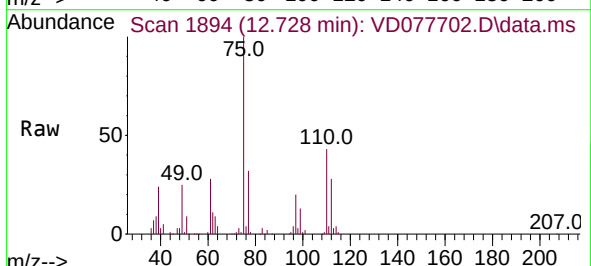
Tgt Ion: 75 Resp: 141582

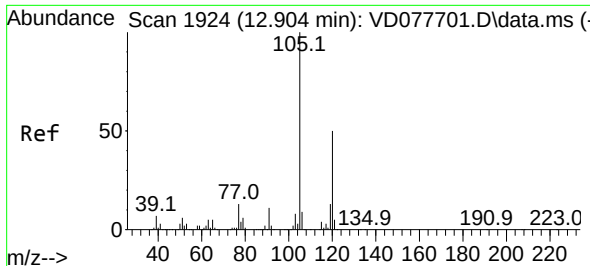
Ion Ratio Lower Upper

75 100

77 31.6 26.8 40.2

110 40.5 33.4 50.2

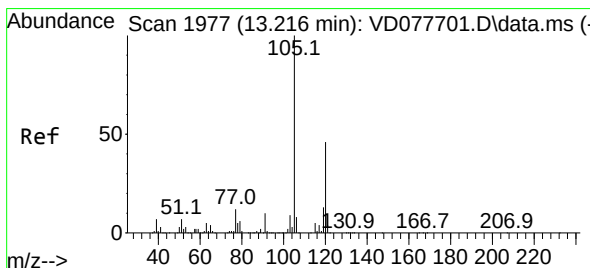
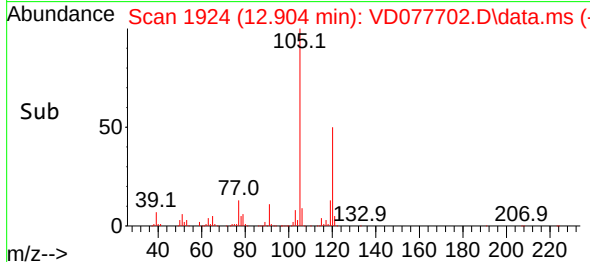
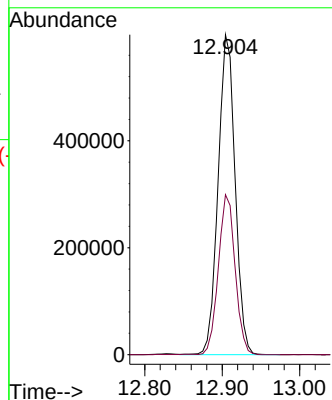
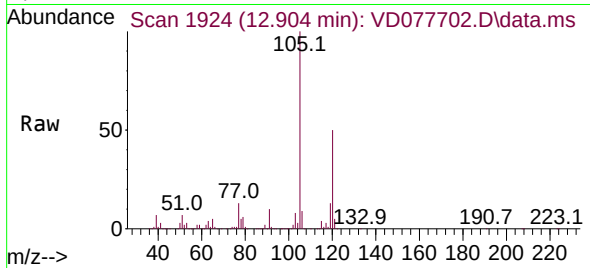




#62
 1,3,5-Trimethylbenzene
 Concen: 49.224 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: VD077702.D
 Acq: 29 Nov 2023 15:56

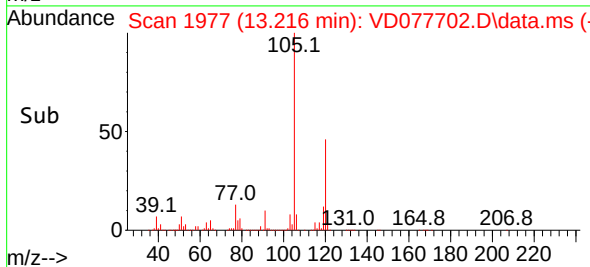
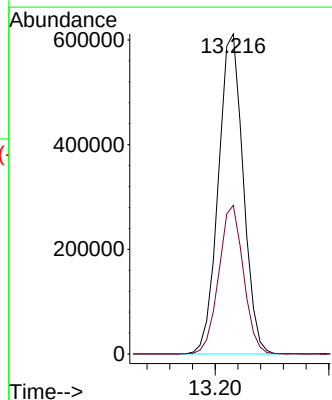
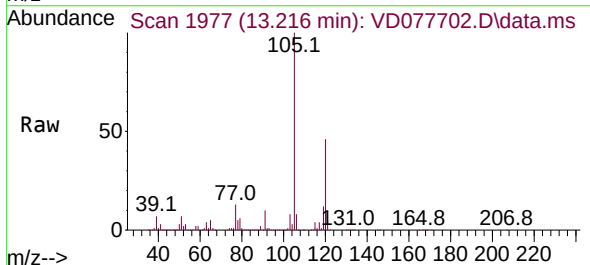
Instrument :
 MSVOA_D
 ClientSampleId :

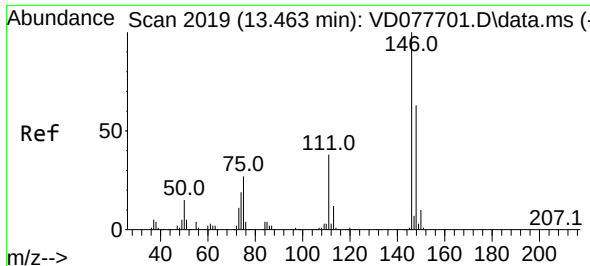
Tgt Ion:105 Resp: 912972
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 49.435 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD077702.D
 Acq: 29 Nov 2023 15:56

Tgt Ion:105 Resp: 929931
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.1 55.7

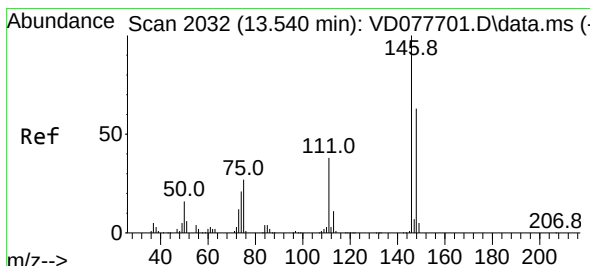
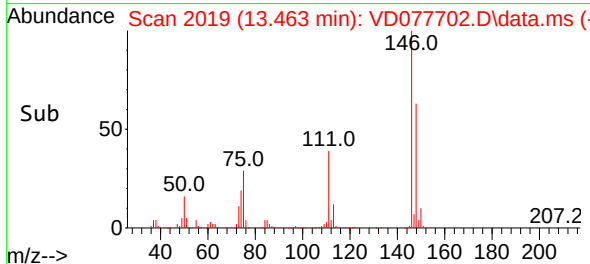
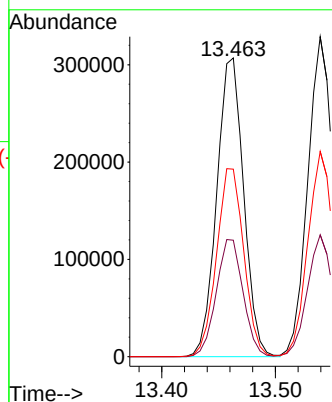
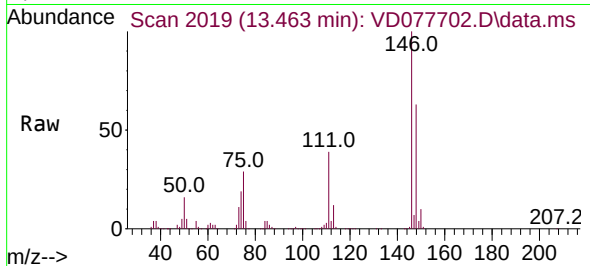




#64
1,3-Dichlorobenzene
Concen: 50.010 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

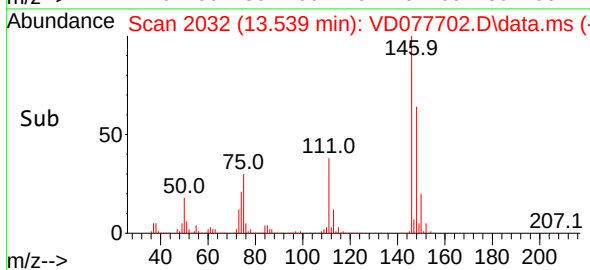
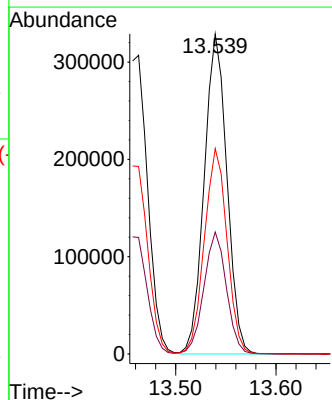
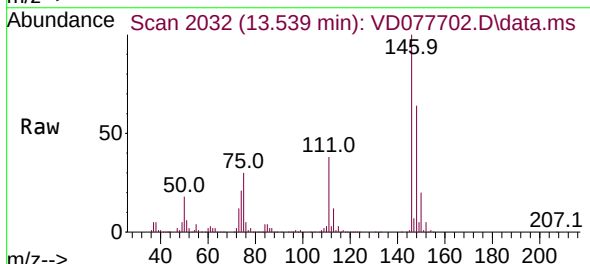
Instrument :
MSVOA_D
ClientSampleId :

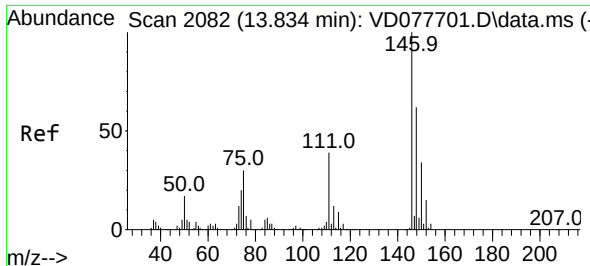
Tgt Ion:146 Resp: 506221
Ion Ratio Lower Upper
146 100
111 39.0 26.6 49.4
148 62.8 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 50.399 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

Tgt Ion:146 Resp: 517517
Ion Ratio Lower Upper
146 100
111 38.1 26.4 49.0
148 64.2 44.0 81.8

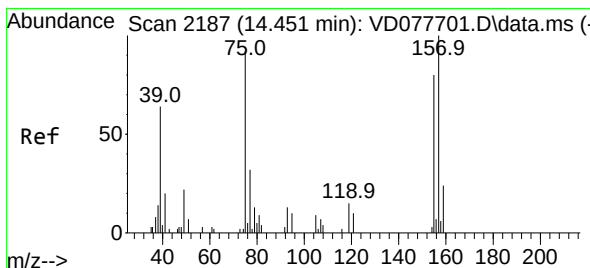
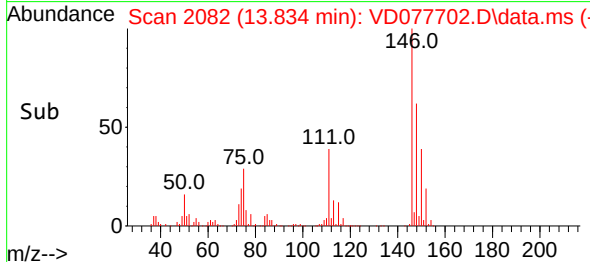
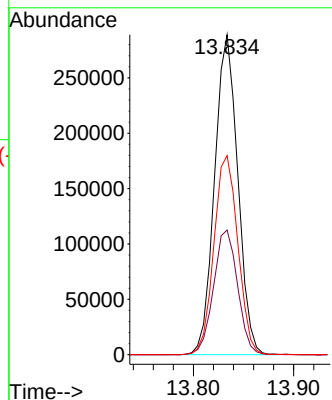
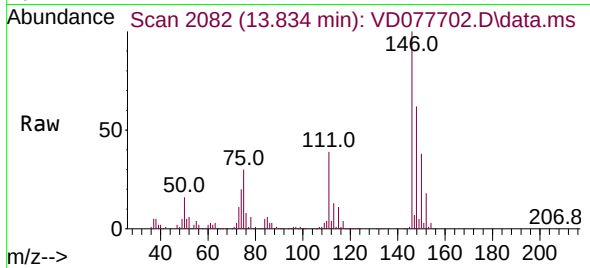




#67
1,2-Dichlorobenzene
Concen: 51.529 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

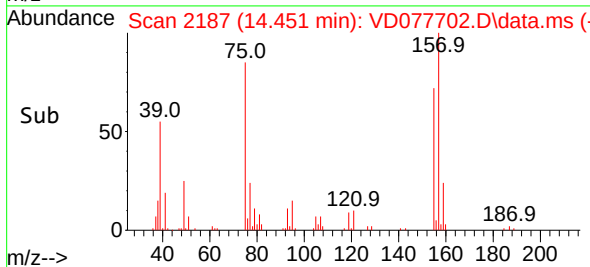
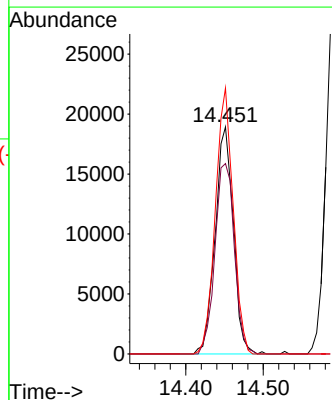
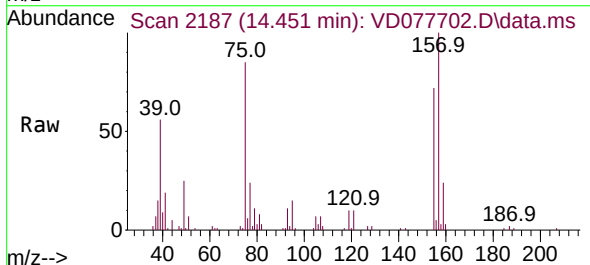
Instrument :
MSVOA_D
ClientSampleId :

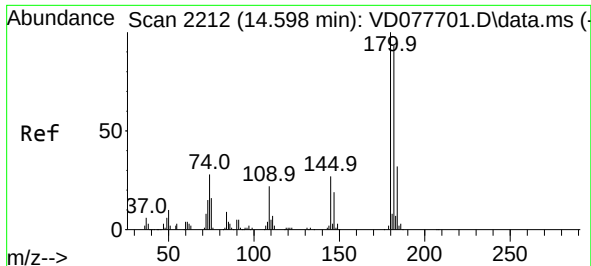
Tgt Ion:146 Resp: 464496
Ion Ratio Lower Upper
146 100
111 38.9 31.4 47.2
148 62.2 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 44.168 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VD077702.D
Acq: 29 Nov 2023 15:56

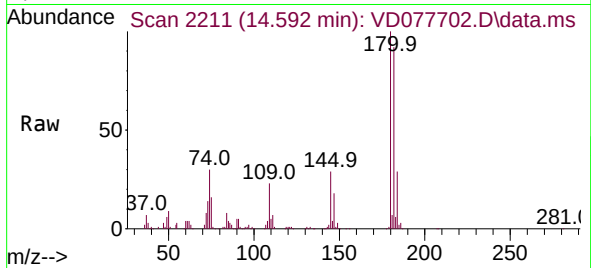
Tgt Ion: 75 Resp: 30889
Ion Ratio Lower Upper
75 100
155 83.9 69.2 103.8
157 117.1 86.6 130.0



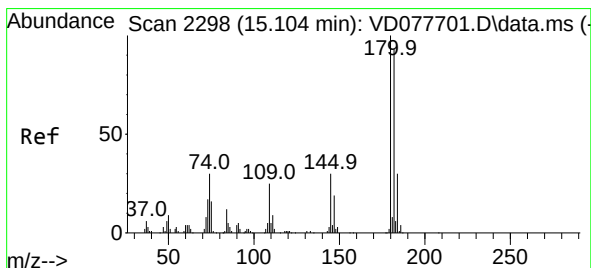
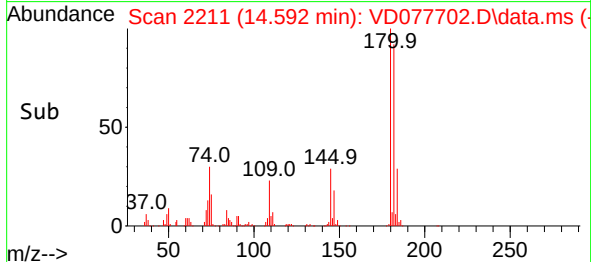
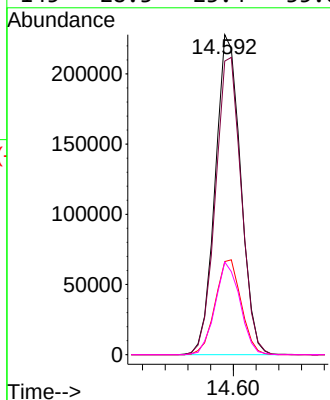


#69
 1,3,5-Trichlorobenzene
 Concen: 51.463 ug/L
 RT: 14.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD077702.D
 Acq: 29 Nov 2023 15:56

Instrument :
 MSVOA_D
 ClientSampleId :

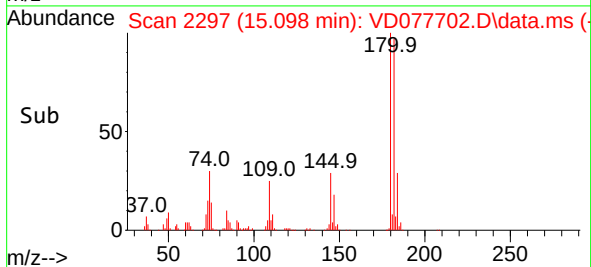
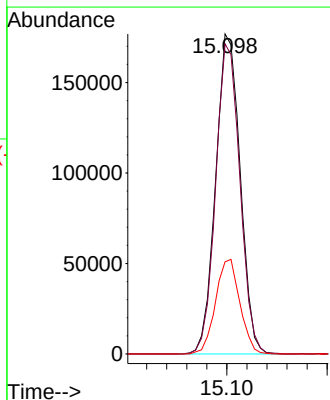
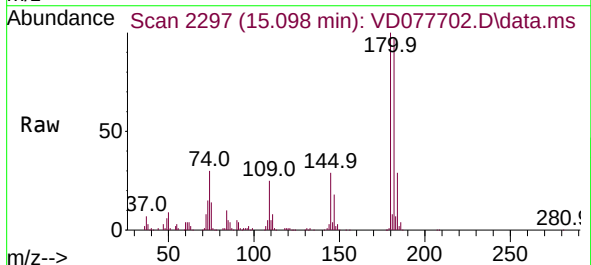


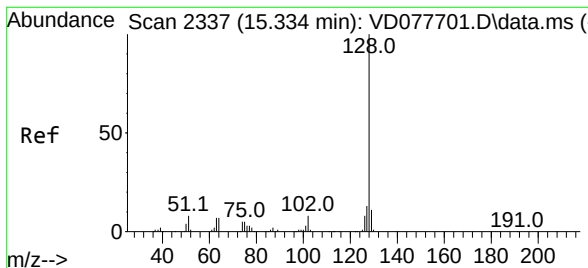
Tgt Ion:180 Resp: 354186
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.0 115.4
 184 30.2 24.3 36.5
 145 28.3 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 51.711 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD077702.D
 Acq: 29 Nov 2023 15:56

Tgt Ion:180 Resp: 299696
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.6
 145 29.3 23.9 35.9





#71

Naphthalene

Concen: 52.593 ug/L

RT: 15.334 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Instrument :

MSVOA_D

ClientSampleId :

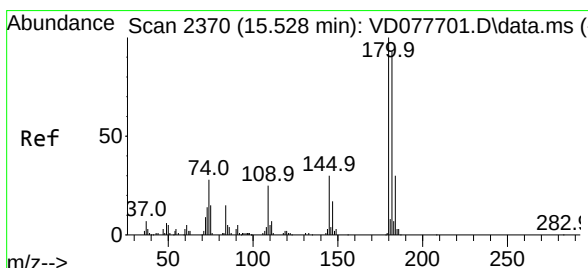
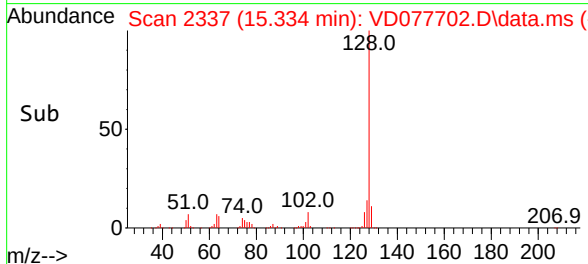
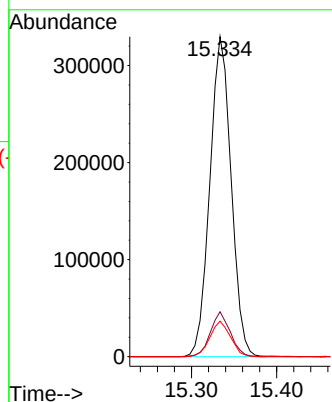
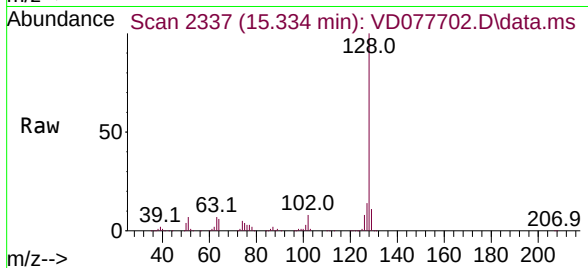
Tgt Ion:128 Resp: 573133

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 53.155 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.006 min

Lab File: VD077702.D

Acq: 29 Nov 2023 15:56

Tgt Ion:180 Resp: 264217

Ion Ratio Lower Upper

180 100

182 95.6 77.3 115.9

145 30.2 25.2 37.8

