

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121823\
 Data File : VD077961.D
 Acq On : 18 Dec 2023 21:29
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 23:20:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 18 23:16:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	233921	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	217975	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	113589	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	182968	28.682	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.720%
7) Chloroethane-d5	2.805	69	156510	30.781	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.120%
11) 1,1-Dichloroethene-d2	3.922	65	38552	23.308	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.240%
21) 2-Butanone-d5	6.987	46	33465	41.508	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.020%
24) Chloroform-d	7.569	84	170940	27.114	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.440%
26) 1,2-Dichloroethane-d4	8.234	65	81920	25.646	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	8.204	84	349768	26.643	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.560%
36) 1,2-Dichloropropane-d6	9.210	67	101917	25.444	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.760%
41) Toluene-d8	10.269	98	328731	27.205	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.800%
43) trans-1,3-Dichloroprop...	10.528	79	43145	24.358	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.440%
47) 2-Hexanone-d5	10.875	63	32525	47.122	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.240%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	79632	27.512	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.040%
66) 1,2-Dichlorobenzene-d4	13.816	152	106065	26.101	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	75400	20.191	ug/L	99
3) Chloromethane	2.152	50	103066	19.211	ug/L	98
5) Vinyl chloride	2.287	62	153925	23.034	ug/L	98
6) Bromomethane	2.699	94	95958	27.106	ug/L	98
8) Chloroethane	2.840	64	107708	25.822	ug/L	97
9) Trichlorofluoromethane	3.181	101	125685	22.052	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	79660	23.692	ug/L	98
12) 1,1-Dichloroethene	3.940	96	71835	22.576	ug/L #	77
13) Acetone	4.022	43	35382	34.252	ug/L	97
14) Carbon disulfide	4.275	76	222230	19.707	ug/L	98
15) Methyl Acetate	4.569	43	27899	18.867	ug/L #	85
16) Methylene chloride	4.799	84	90450	21.777	ug/L	91
17) trans-1,2-Dichloroethene	5.322	96	77999	23.510	ug/L	91
18) Methyl tert-butyl Ether	5.316	73	167523	22.906	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	142925	22.858	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	89850	24.372	ug/L	94
22) 2-Butanone	7.081	43	43378	37.310	ug/L #	62
23) Bromochloromethane	7.428	128	39502	25.737	ug/L	84
25) Chloroform	7.599	83	151062	24.540	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121823\
 Data File : VD077961.D
 Acq On : 18 Dec 2023 21:29
 Operator : RP/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 23:20:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 18 23:16:23 2023
 Response via : Initial Calibration

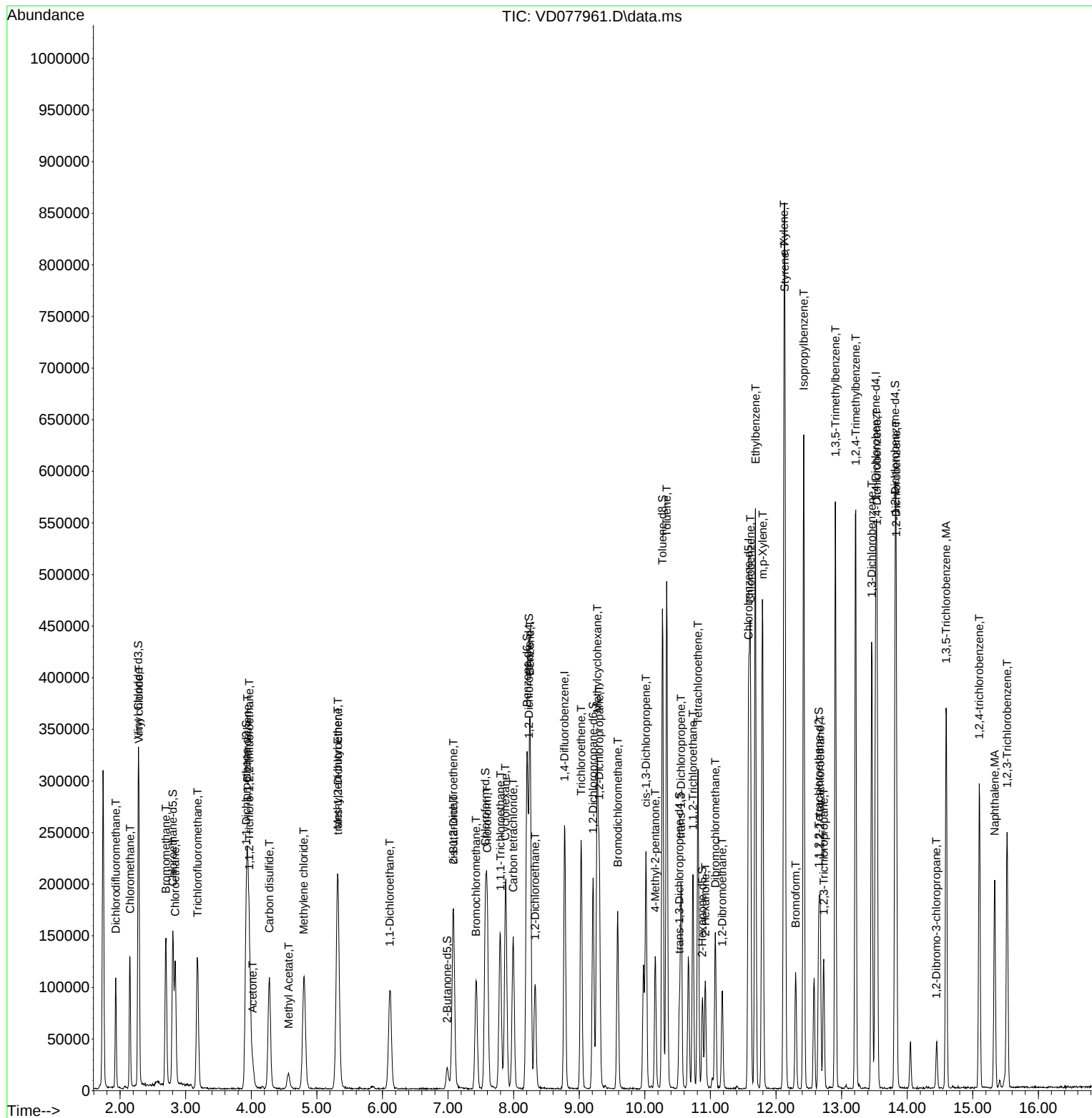
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	91899	23.867	ug/L	95
29) Cyclohexane	7.875	56	109614	19.057	ug/L	89
30) 1,1,1-Trichloroethane	7.799	97	124608	23.362	ug/L	98
31) Carbon tetrachloride	7.993	117	111155	23.698	ug/L	98
33) Benzene	8.252	78	338065	23.828	ug/L	100
34) Trichloroethene	9.028	95	86721	24.624	ug/L	99
35) Methylcyclohexane	9.275	83	132829	21.245	ug/L	94
37) 1,2-Dichloropropane	9.304	63	86802	23.466	ug/L	99
38) Bromodichloromethane	9.587	83	112135	24.929	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	140316	24.290	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	81445	39.900	ug/L #	91
42) Toluene	10.334	91	372168	24.697	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	114397	23.710	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	67952	27.352	ug/L	95
46) Tetrachloroethene	10.810	164	67681	23.833	ug/L	92
48) 2-Hexanone	10.922	43	64401	37.118	ug/L #	93
49) Dibromochloromethane	11.075	129	78402	26.541	ug/L	96
50) 1,2-Dibromoethane	11.181	107	62231	25.974	ug/L	96
51) Chlorobenzene	11.610	112	239920	25.676	ug/L	97
52) Ethylbenzene	11.687	91	409069	24.488	ug/L	98
53) m,p-Xylene	11.798	106	158400	25.095	ug/L	90
54) o-Xylene	12.122	106	154365	25.553	ug/L	91
55) Styrene	12.134	104	281548	26.635	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.675	83	78892	26.801	ug/L	95
59) Bromoform	12.298	173	49179	26.167	ug/L #	97
60) Isopropylbenzene	12.422	105	410462	24.211	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	50673	24.253	ug/L	97
62) 1,3,5-Trimethylbenzene	12.904	105	303085	23.802	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	310505	24.049	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	186126	25.385	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	187990	24.708	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	168832	25.589	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	10881	22.086	ug/L	98
69) 1,3,5-Trichlorobenzene	14.592	180	118842	23.803	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	96841	22.848	ug/L	98
71) Naphthalene	15.334	128	176546	22.784	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	86773	23.353	ug/L	97

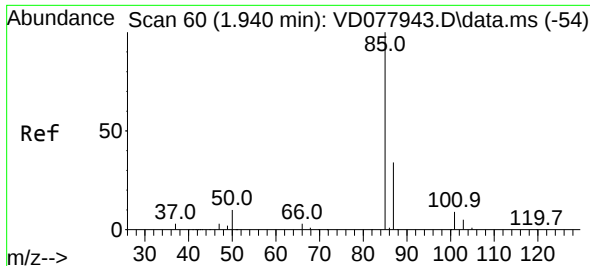
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121823\
Data File : VD077961.D
Acq On : 18 Dec 2023 21:29
Operator : RP/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 18 23:20:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Dec 18 23:16:23 2023
Response via : Initial Calibration

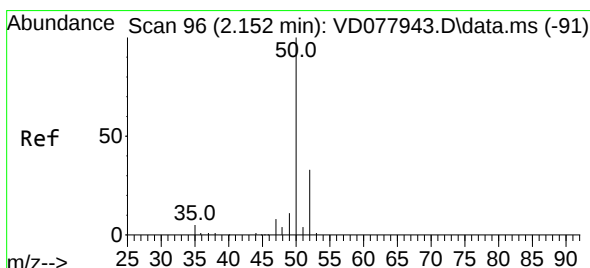
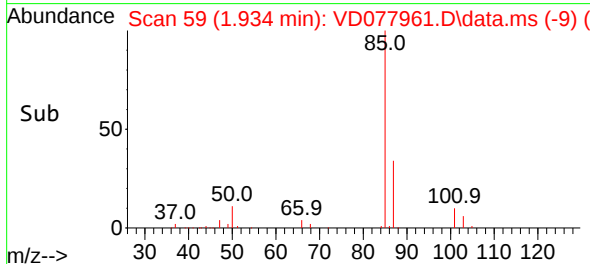
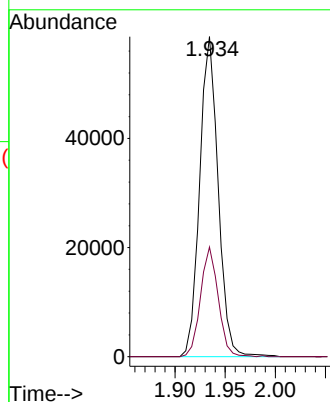
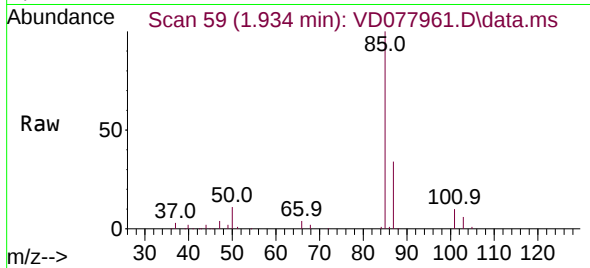




#2
Dichlorodifluoromethane
Concen: 20.191 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

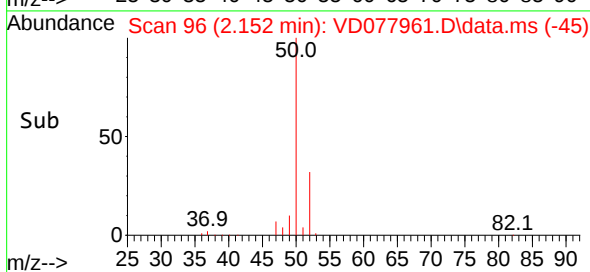
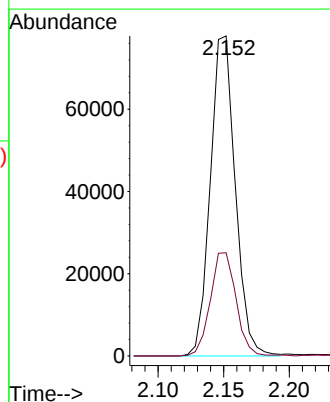
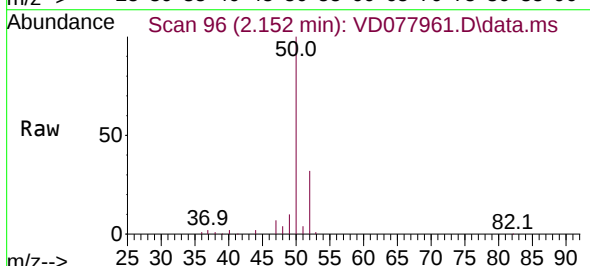
Instrument :
MSVOA_D
ClientSampleId :

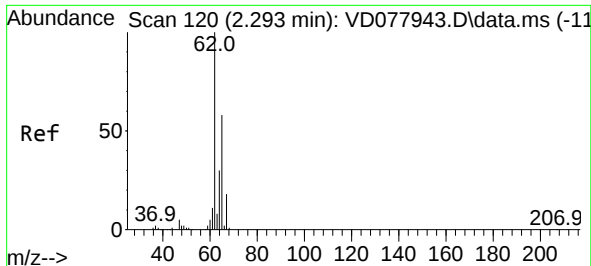
Tgt Ion: 85 Resp: 75400
Ion Ratio Lower Upper
85 100
87 32.7 25.6 38.4



#3
Chloromethane
Concen: 19.211 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 50 Resp: 103066
Ion Ratio Lower Upper
50 100
52 32.3 23.2 43.2

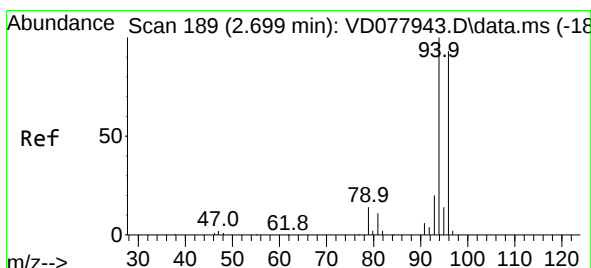
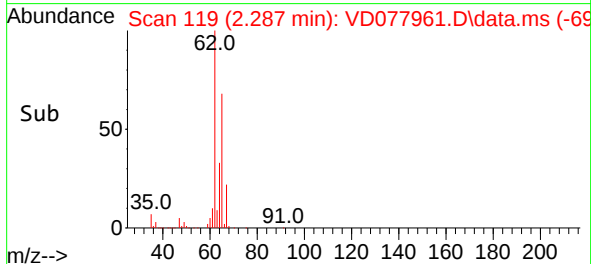
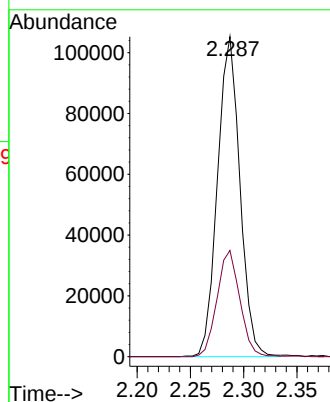
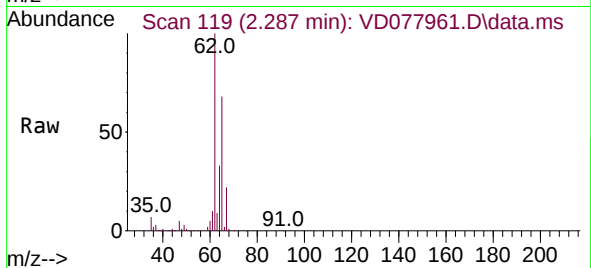




#5
 Vinyl chloride
 Concen: 23.034 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

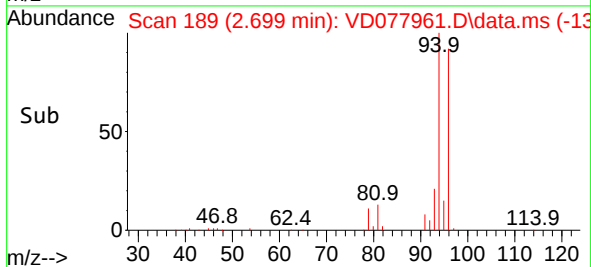
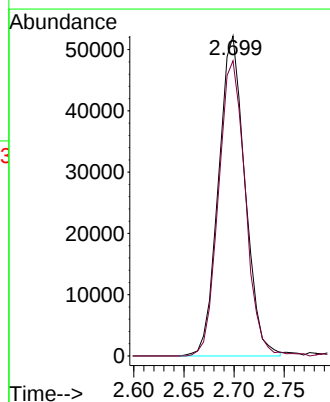
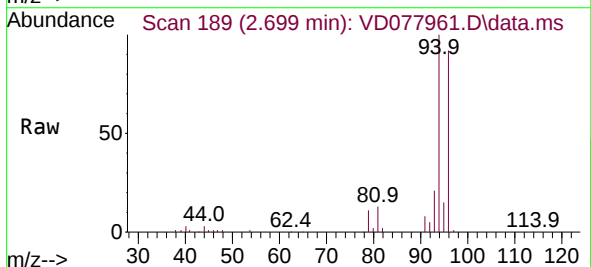
Instrument :
 MSVOA_D
 ClientSampleId :

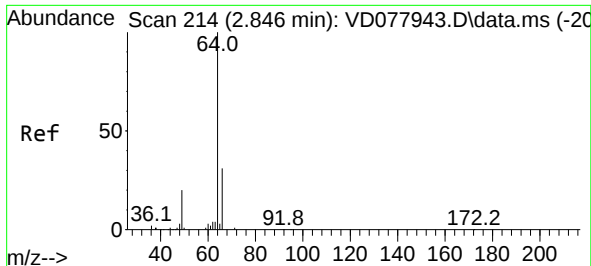
Tgt Ion: 62 Resp: 153925
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.6 42.0



#6
 Bromomethane
 Concen: 27.106 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

Tgt Ion: 94 Resp: 95958
 Ion Ratio Lower Upper
 94 100
 96 92.2 66.0 122.6

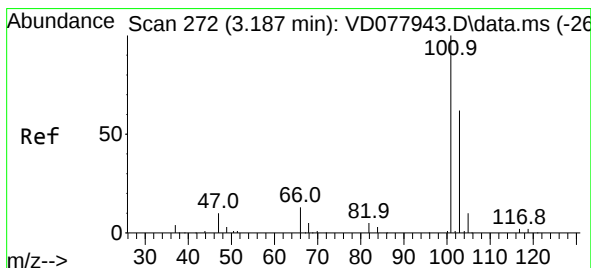
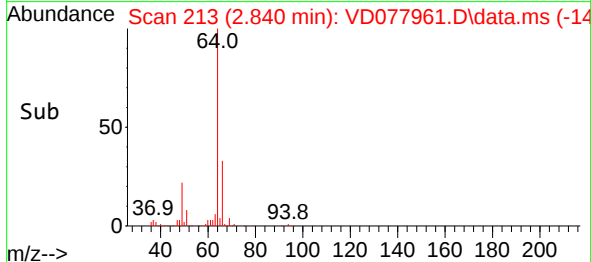
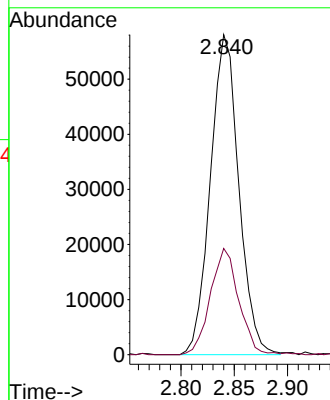
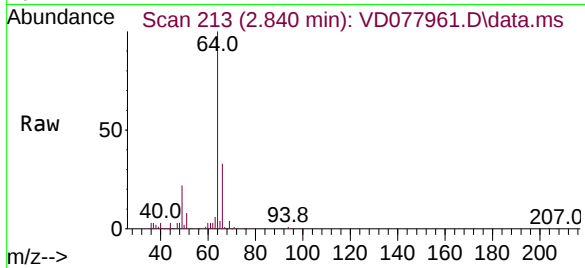




#8
Chloroethane
Concen: 25.822 ug/L
RT: 2.840 min Scan# 214
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

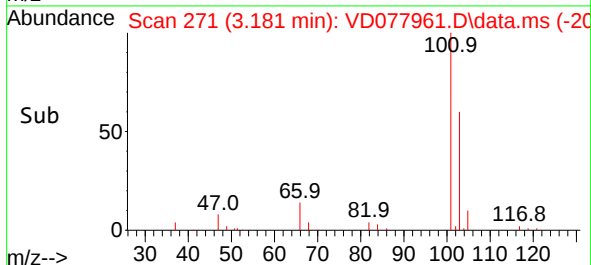
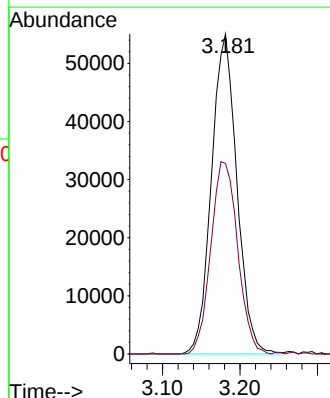
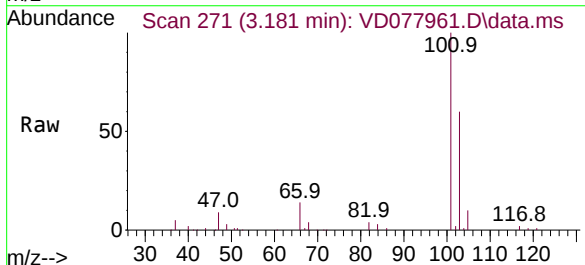
Instrument :
MSVOA_D
ClientSampleId :

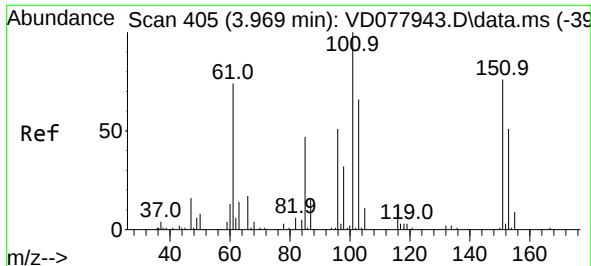
Tgt Ion: 64 Resp: 107708
Ion Ratio Lower Upper
64 100
66 33.2 22.0 41.0



#9
Trichlorofluoromethane
Concen: 22.052 ug/L
RT: 3.181 min Scan# 271
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion:101 Resp: 125685
Ion Ratio Lower Upper
101 100
103 63.5 52.5 78.7

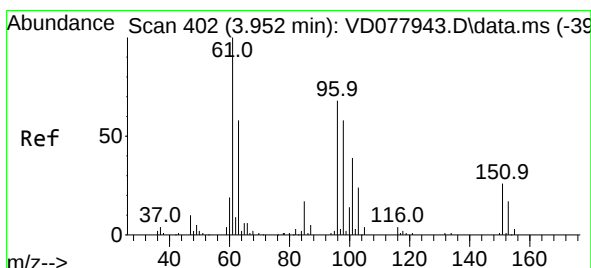
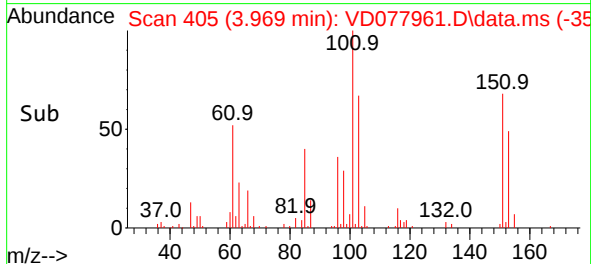
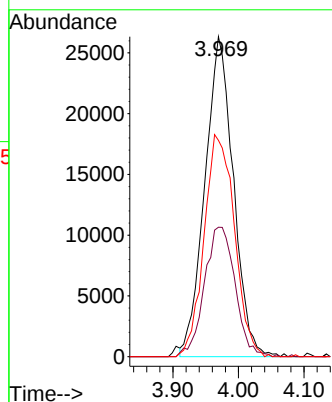
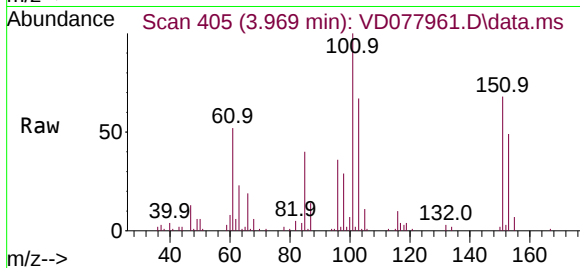




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.692 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

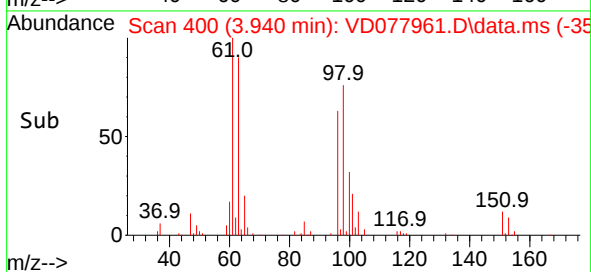
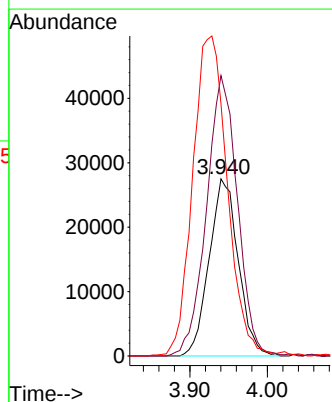
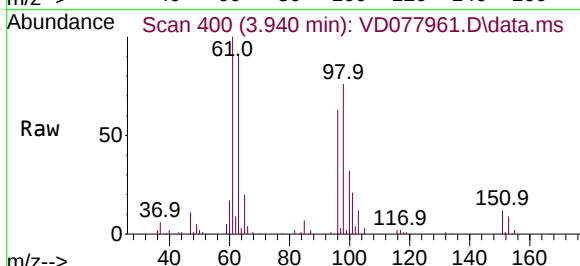
Instrument :
 MSVOA_D
 ClientSampleId :

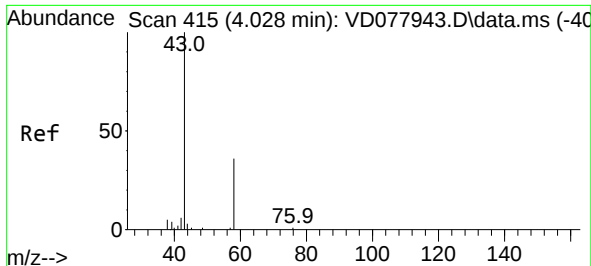
Tgt Ion:	101	Resp:	79660
Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.8	53.6
151	73.7	57.0	85.6



#12
 1,1-Dichloroethene
 Concen: 22.576 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.012 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

Tgt Ion:	96	Resp:	71835
Ion	Ratio	Lower	Upper
96	100		
61	158.2	108.6	201.6
63	142.2	60.3	111.9





#13

Acetone

Concen: 34.252 ug/L

RT: 4.022 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

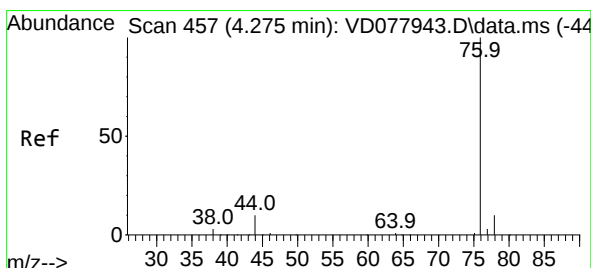
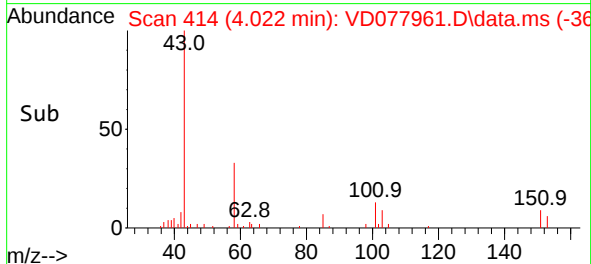
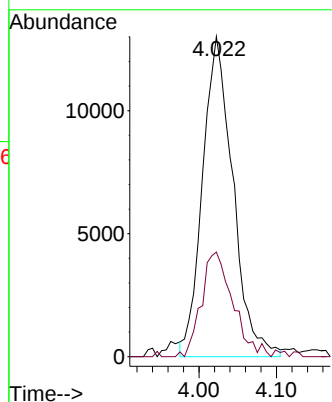
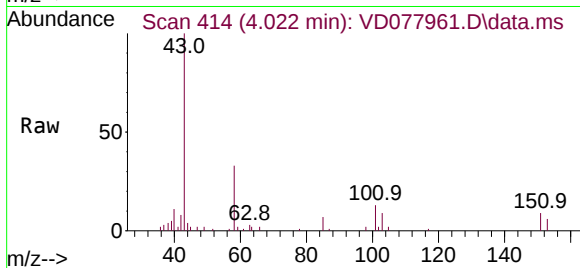
ClientSampleId :

Tgt Ion: 43 Resp: 35382

Ion Ratio Lower Upper

43 100

58 32.1 0.0 67.2



#14

Carbon disulfide

Concen: 19.707 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD077961.D

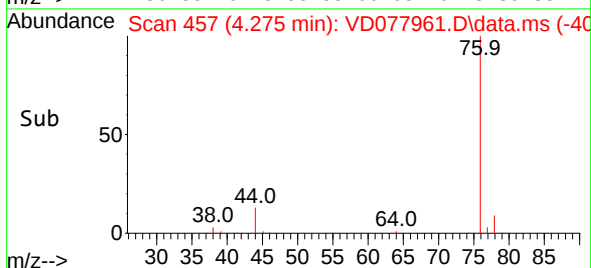
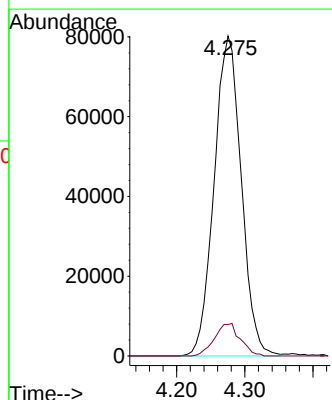
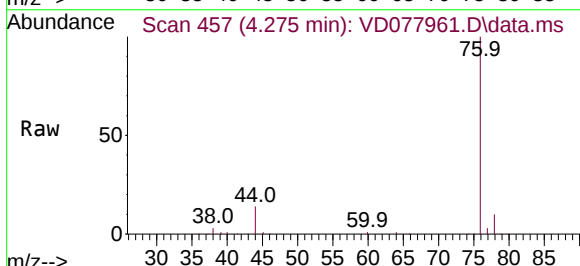
Acq: 18 Dec 2023 21:29

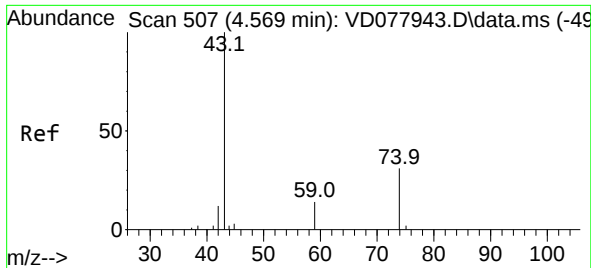
Tgt Ion: 76 Resp: 222230

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8

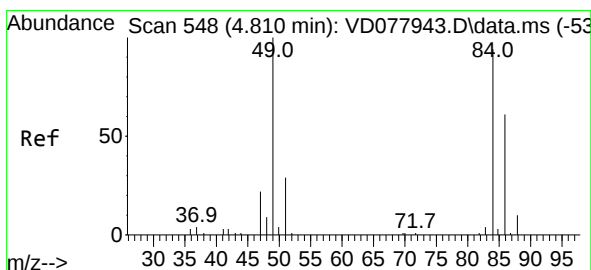
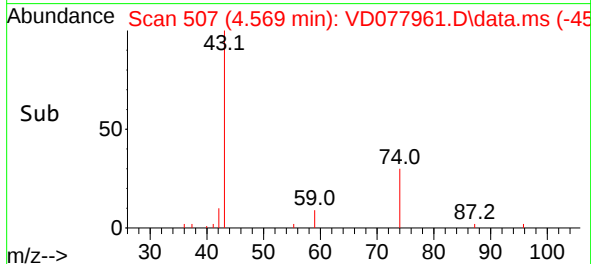
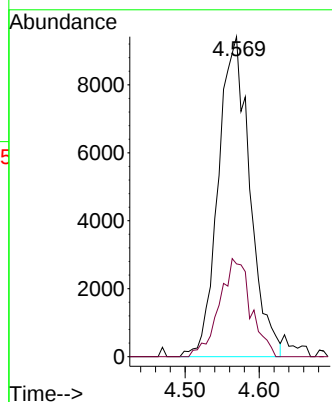
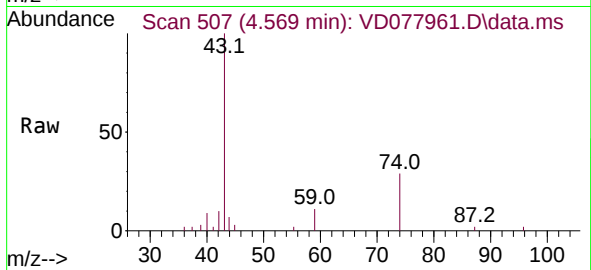




#15
Methyl Acetate
Concen: 18.867 ug/L
RT: 4.569 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

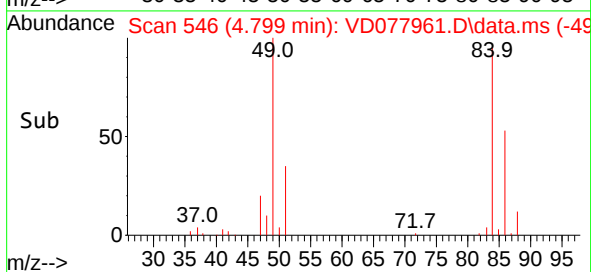
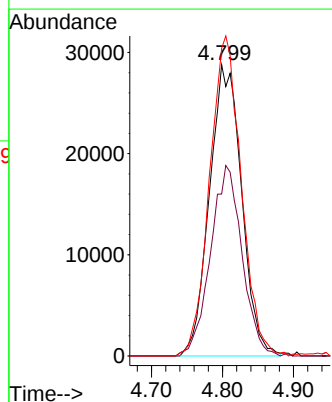
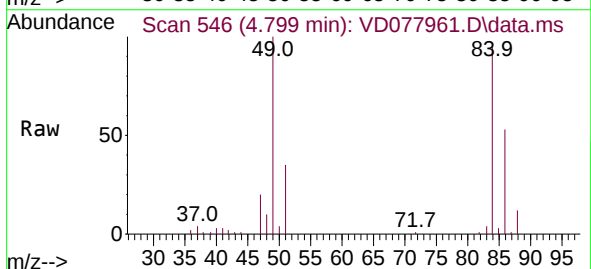
Instrument :
MSVOA_D
ClientSampleId :

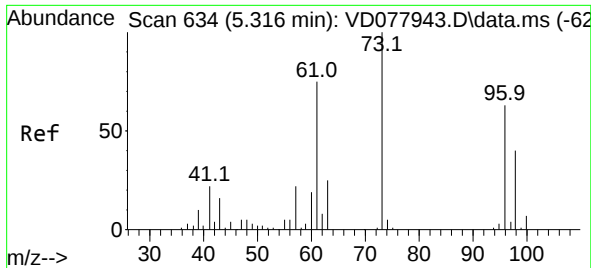
Tgt Ion: 43 Resp: 27899
Ion Ratio Lower Upper
43 100
74 30.5 18.6 27.8#



#16
Methylene chloride
Concen: 21.777 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.012 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 84 Resp: 90450
Ion Ratio Lower Upper
84 100
86 55.6 40.1 74.5
49 105.6 83.2 154.6

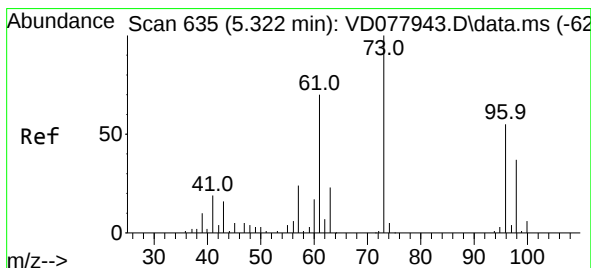
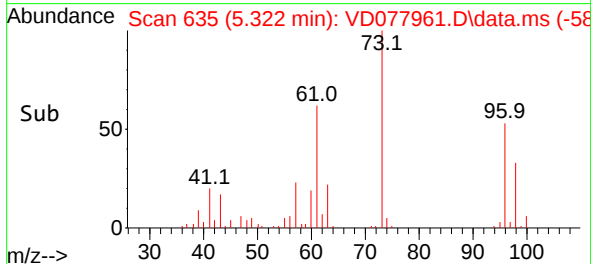
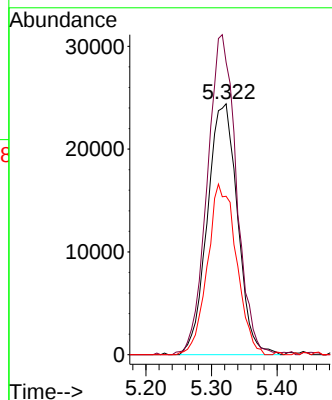
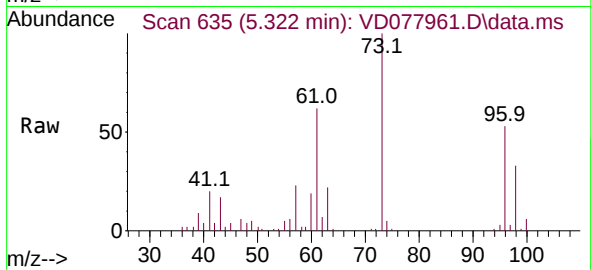




#17
trans-1,2-Dichloroethene
Concen: 23.510 ug/L
RT: 5.322 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

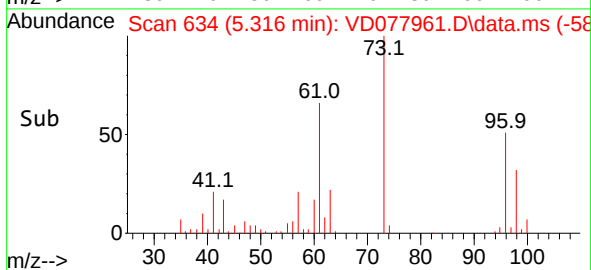
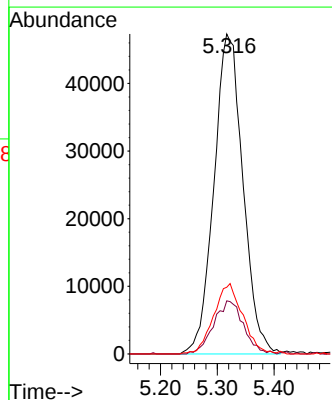
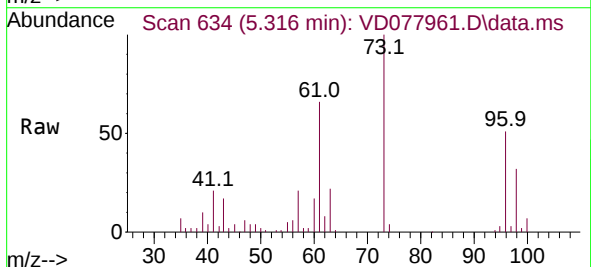
Instrument :
MSVOA_D
ClientSampleId :

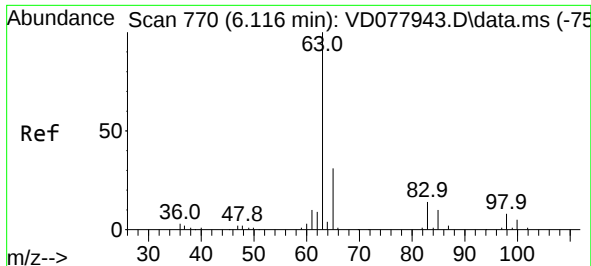
Tgt Ion: 96 Resp: 77999
Ion Ratio Lower Upper
96 100
61 116.5 92.3 171.3
98 63.1 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 22.906 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 73 Resp: 167523
Ion Ratio Lower Upper
73 100
43 10.2 15.0 22.4#
57 22.1 18.1 27.1

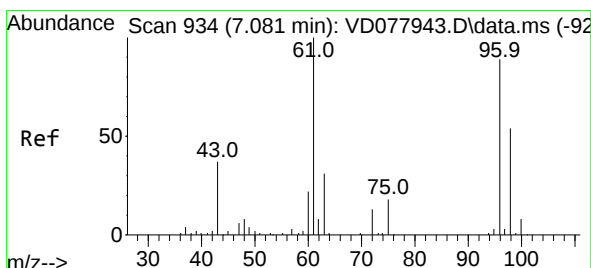
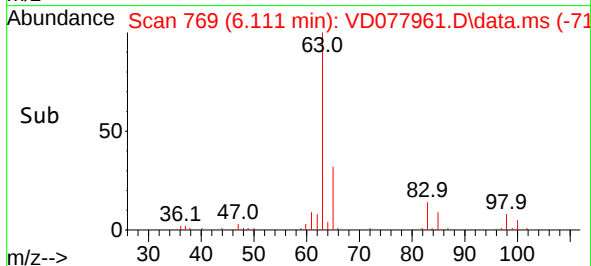
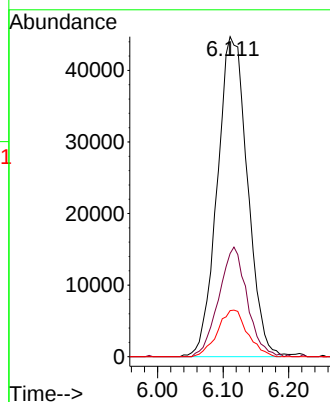
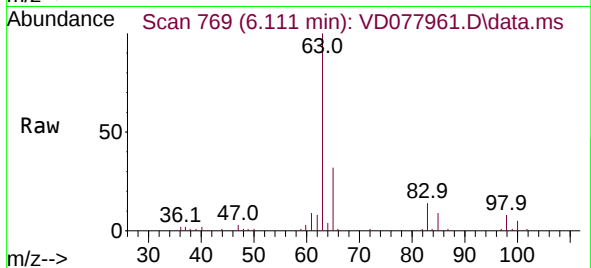




#19
1,1-Dichloroethane
Concen: 22.858 ug/L
RT: 6.111 min Scan# 770
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

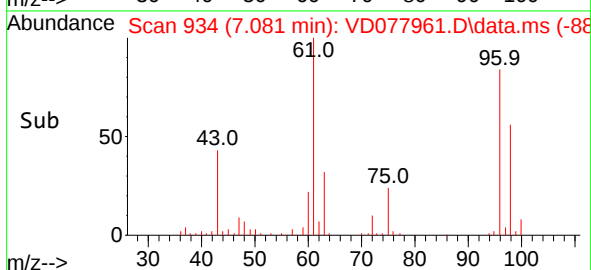
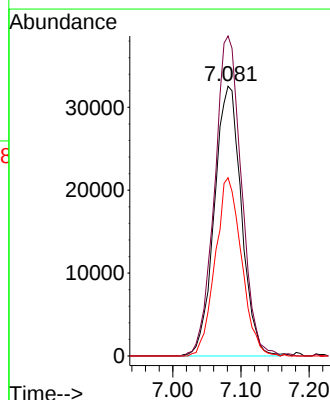
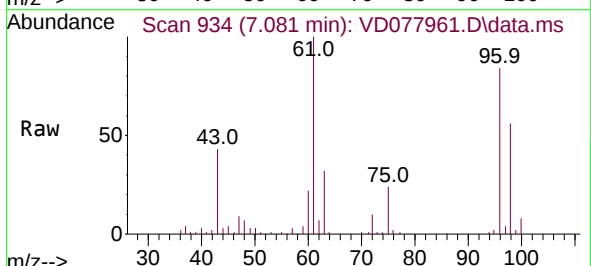
Instrument :
MSVOA_D
ClientSampleId :

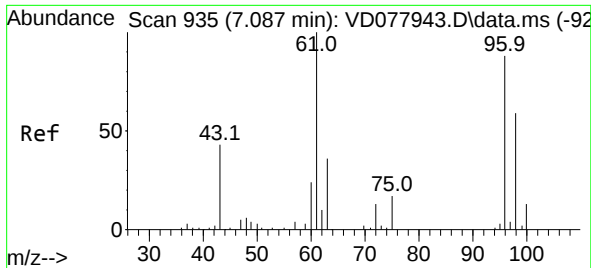
Tgt Ion: 63 Resp: 142925
Ion Ratio Lower Upper
63 100
65 32.3 20.9 38.9
83 14.4 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 24.372 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 96 Resp: 89850
Ion Ratio Lower Upper
96 100
61 118.6 88.1 163.5
98 66.0 44.1 81.9

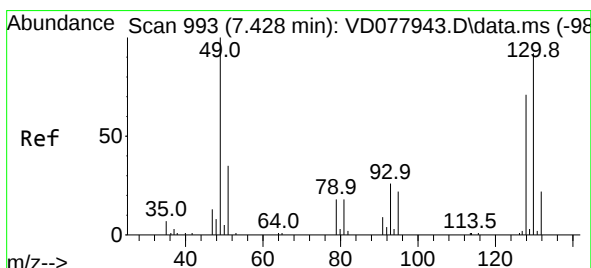
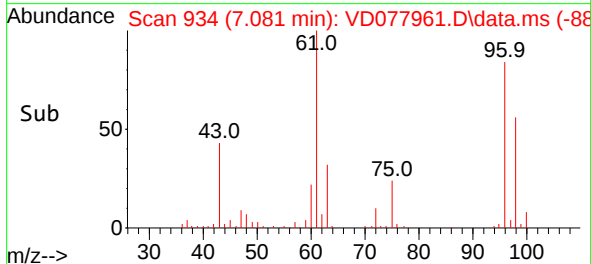
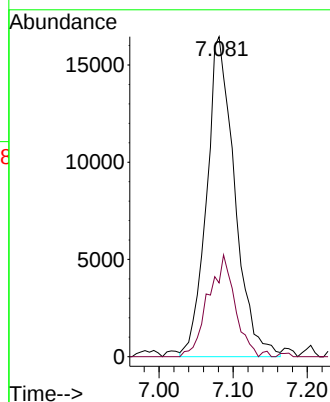
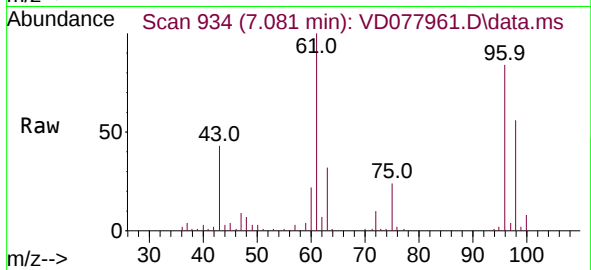




#22
2-Butanone
Concen: 37.310 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

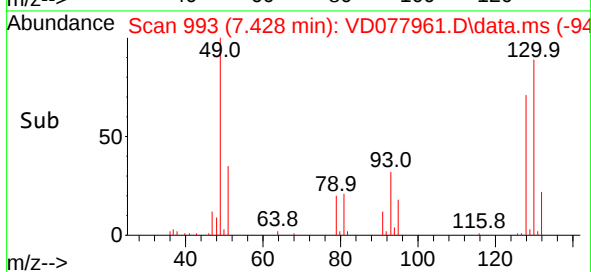
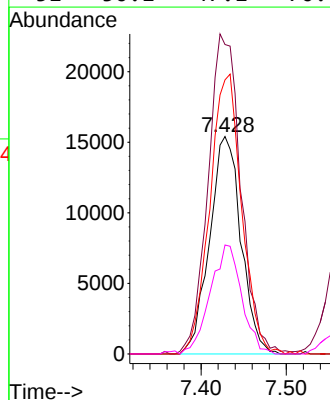
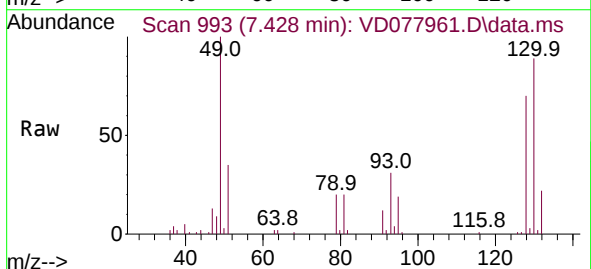
Instrument :
MSVOA_D
ClientSampleId :

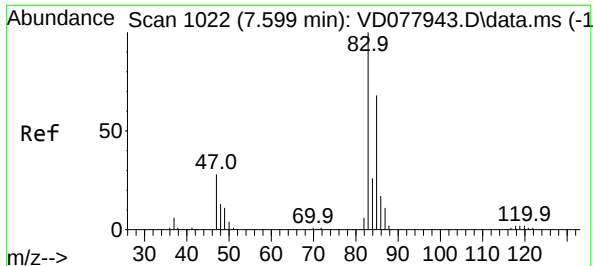
Tgt Ion: 43 Resp: 43378
Ion Ratio Lower Upper
43 100
72 29.9 7.2 21.6#



#23
Bromochloromethane
Concen: 25.737 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion:128 Resp: 39502
Ion Ratio Lower Upper
128 100
49 142.3 124.7 231.5
130 126.1 92.3 171.3
51 50.1 47.1 70.7

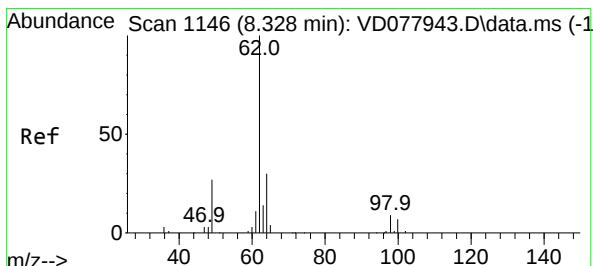
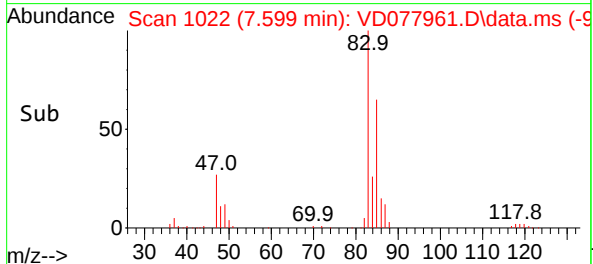
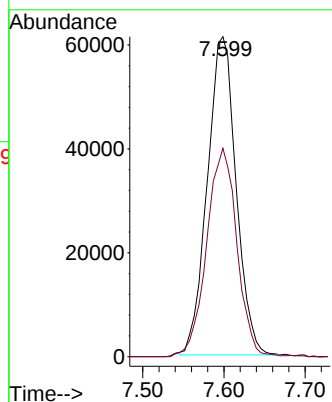
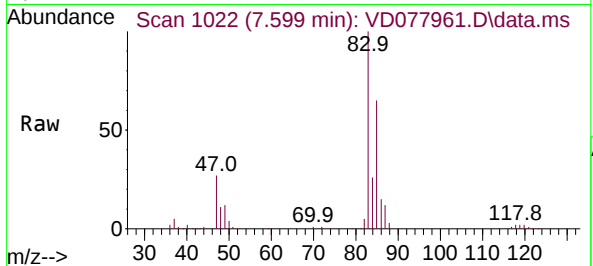




#25
Chloroform
Concen: 24.540 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

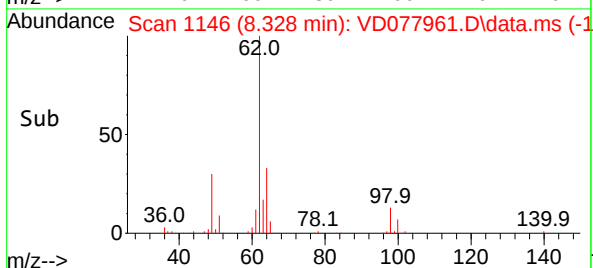
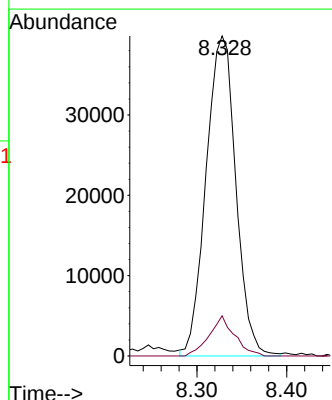
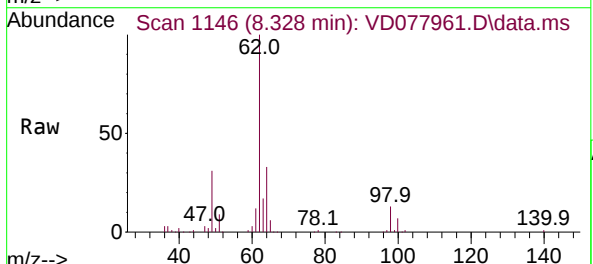
Instrument :
MSVOA_D
ClientSampleId :

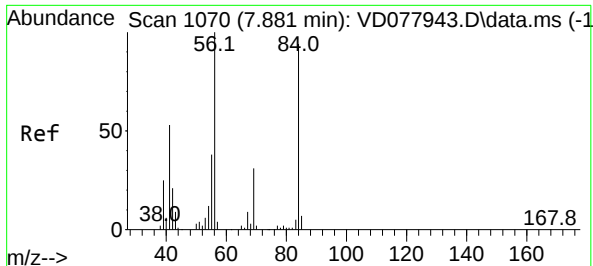
Tgt Ion: 83 Resp: 151062
Ion Ratio Lower Upper
83 100
85 65.1 48.9 90.9



#27
1,2-Dichloroethane
Concen: 23.867 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

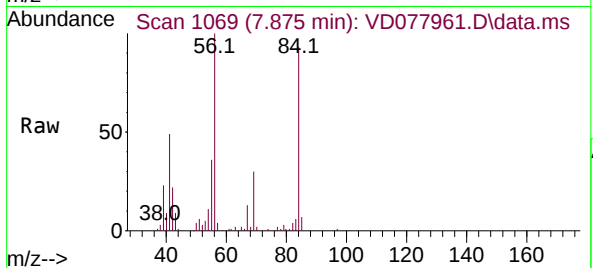
Tgt Ion: 62 Resp: 91899
Ion Ratio Lower Upper
62 100
98 12.6 8.4 12.6



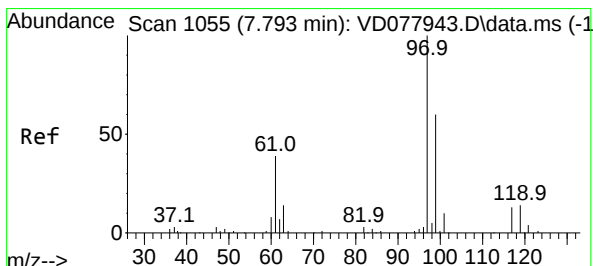
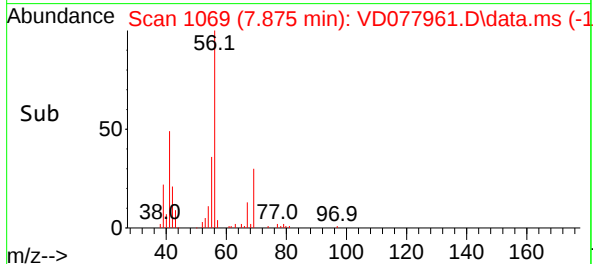
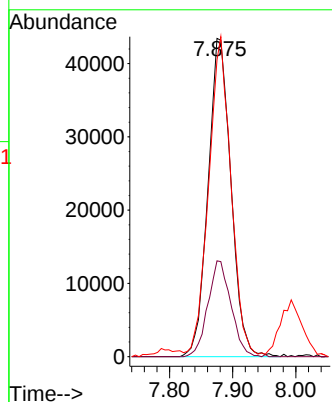


#29
Cyclohexane
Concen: 19.057 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Instrument :
MSVOA_D
ClientSampleId :

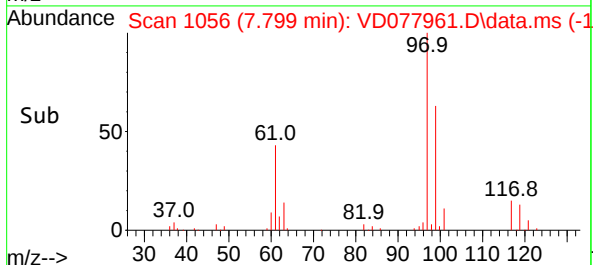
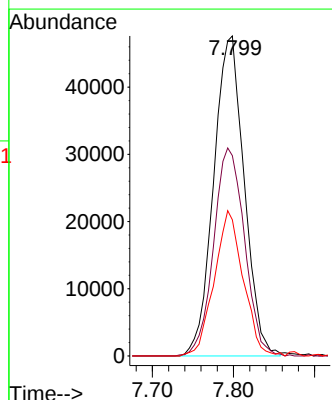
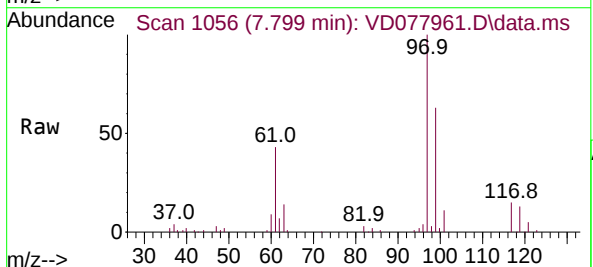


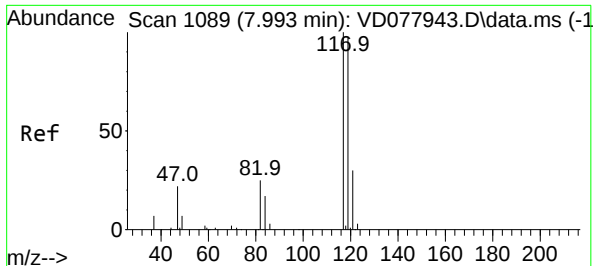
Tgt Ion: 56 Resp: 109614
Ion Ratio Lower Upper
56 100
69 30.1 22.2 33.4
84 98.2 68.5 102.7



#30
1,1,1-Trichloroethane
Concen: 23.362 ug/L
RT: 7.799 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

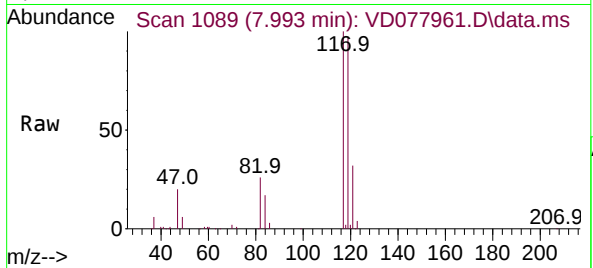
Tgt Ion: 97 Resp: 124608
Ion Ratio Lower Upper
97 100
99 65.5 51.4 77.2
61 42.8 35.4 53.2



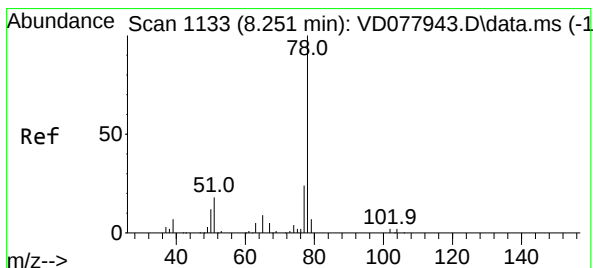
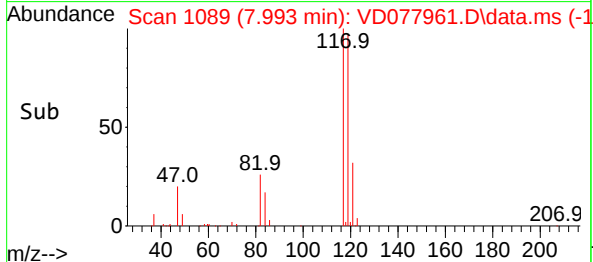
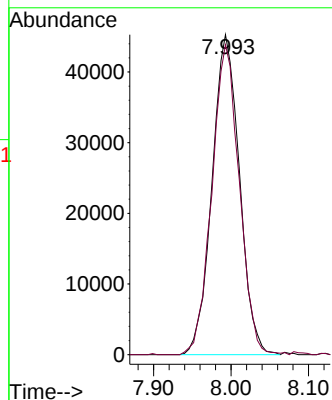


#31
Carbon tetrachloride
Concen: 23.698 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Instrument :
MSVOA_D
ClientSampleId :

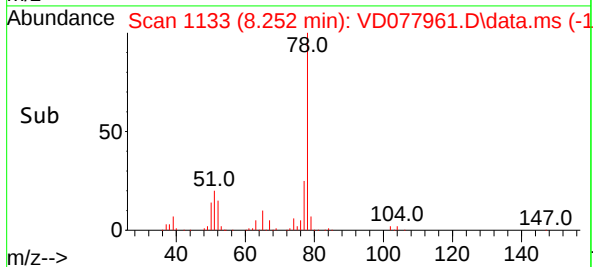
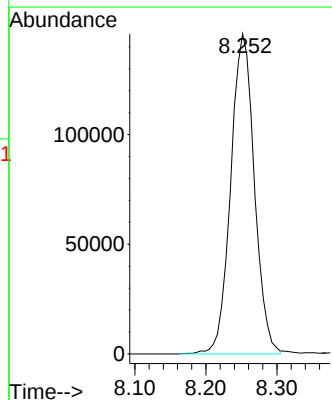
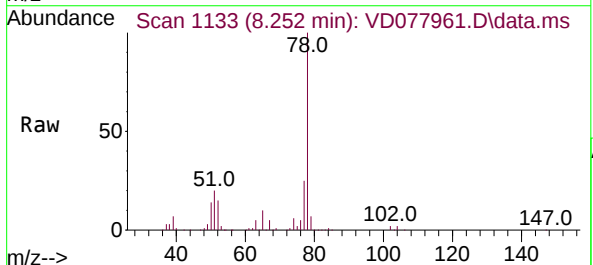


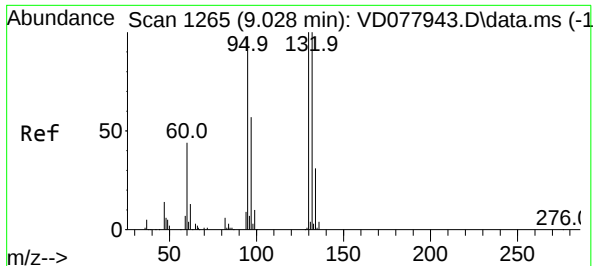
Tgt Ion:117 Resp: 111155
Ion Ratio Lower Upper
117 100
119 96.9 76.3 114.5



#33
Benzene
Concen: 23.828 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 78 Resp: 338065





#34

Trichloroethene

Concen: 24.624 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 86721

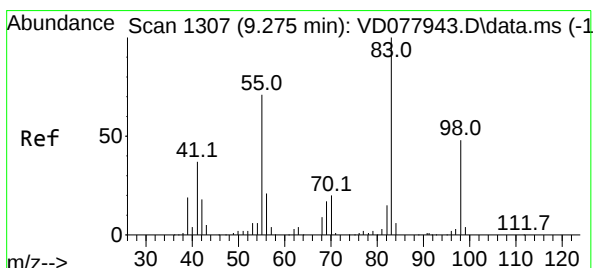
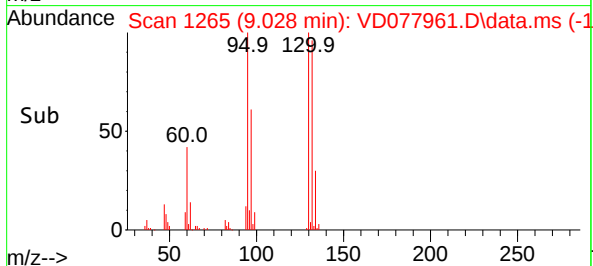
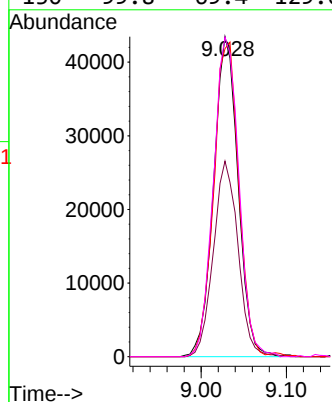
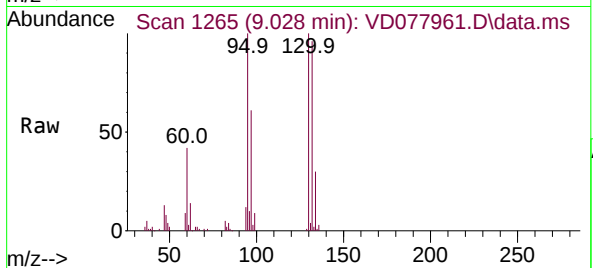
Ion Ratio Lower Upper

95 100

97 61.1 44.2 82.0

132 96.2 67.5 125.3

130 99.8 69.4 129.0



#35

Methylcyclohexane

Concen: 21.245 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

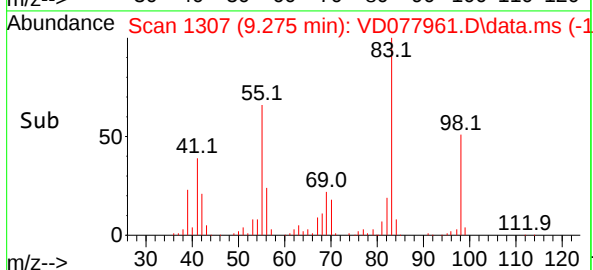
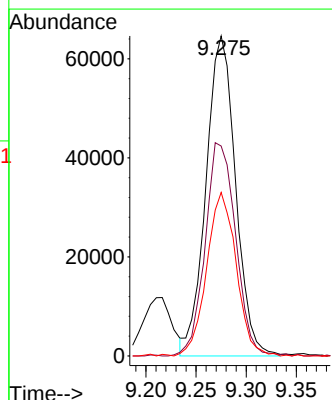
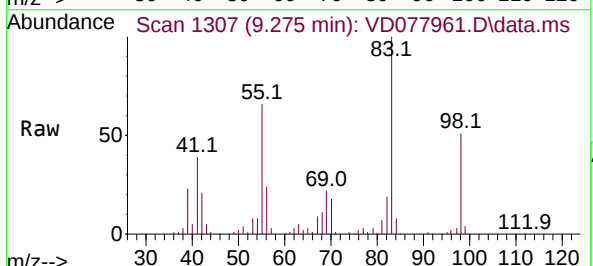
Tgt Ion: 83 Resp: 132829

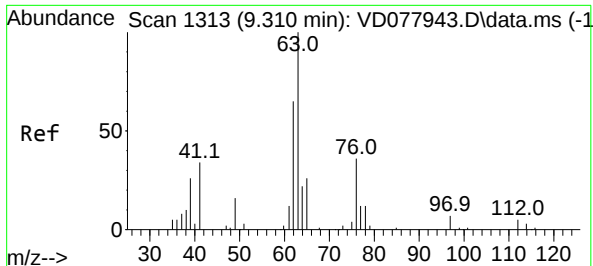
Ion Ratio Lower Upper

83 100

55 68.5 59.8 89.6

98 50.8 38.5 57.7

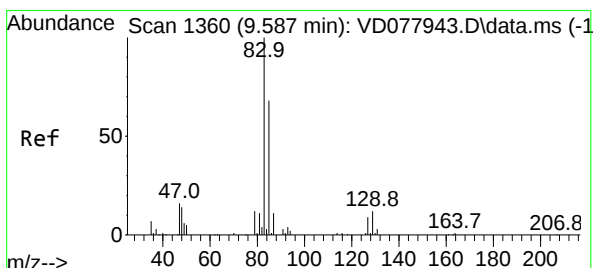
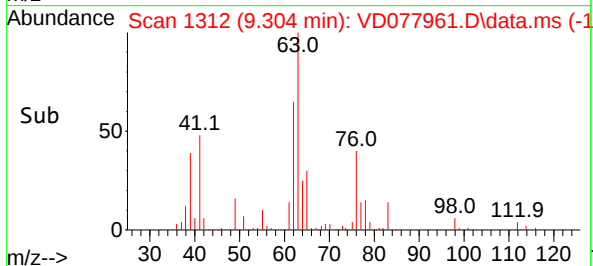
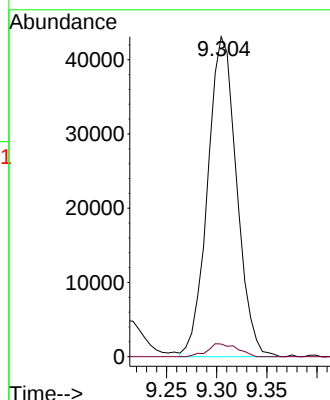
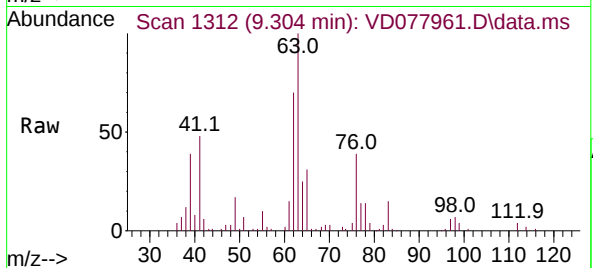




#37
1,2-Dichloropropane
Concen: 23.466 ug/L
RT: 9.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

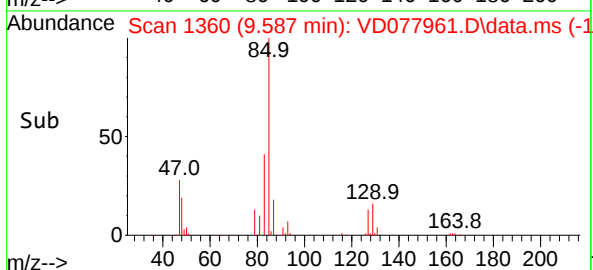
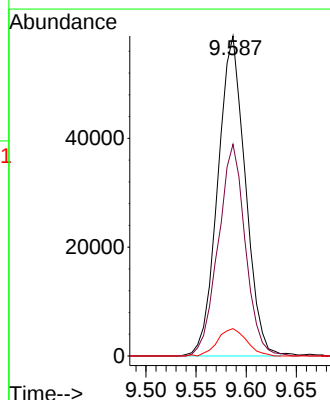
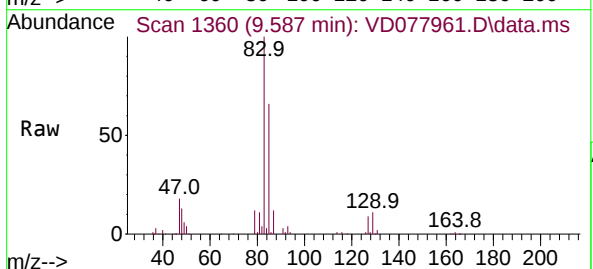
Instrument :
MSVOA_D
ClientSampleId :

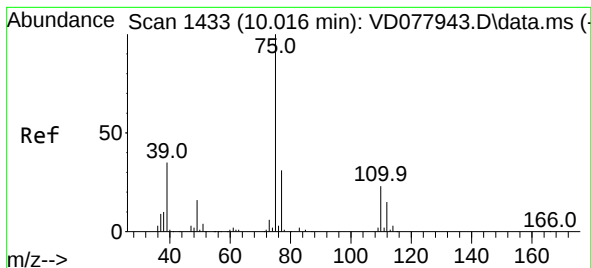
Tgt Ion: 63 Resp: 86802
Ion Ratio Lower Upper
63 100
112 4.2 3.5 5.3



#38
Bromodichloromethane
Concen: 24.929 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 83 Resp: 112135
Ion Ratio Lower Upper
83 100
85 66.1 45.5 84.5
127 8.5 7.4 11.2

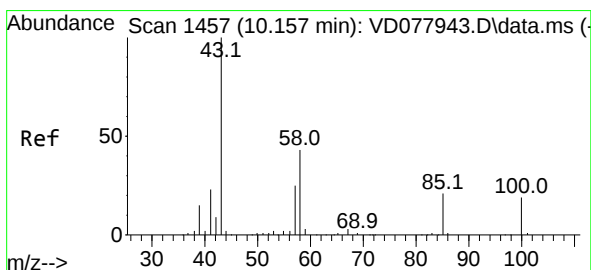
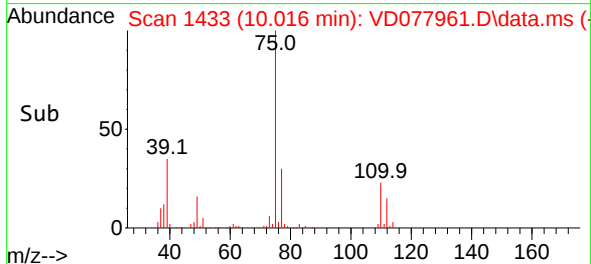
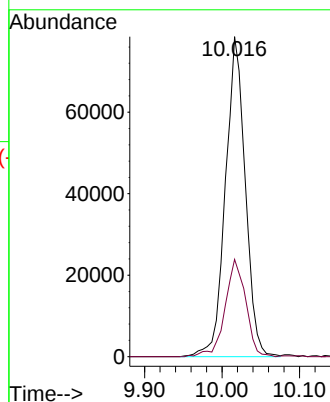
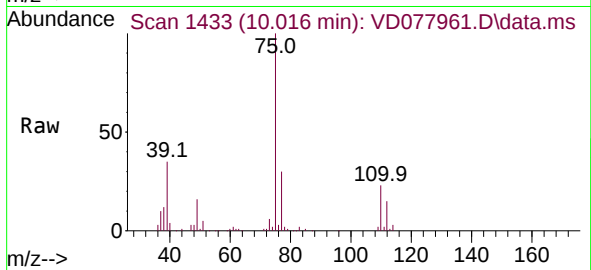




#39
 cis-1,3-Dichloropropene
 Concen: 24.290 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

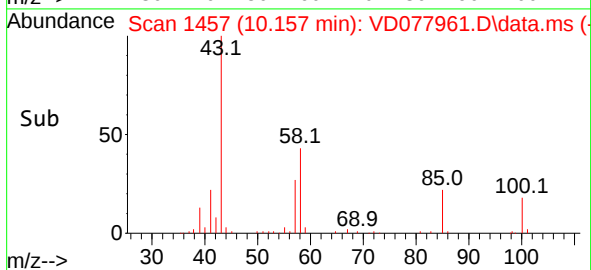
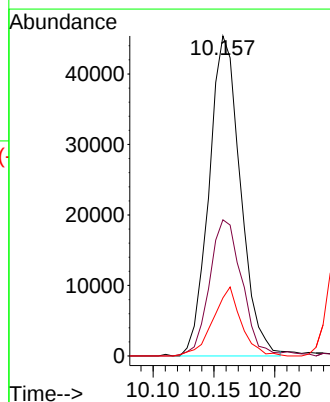
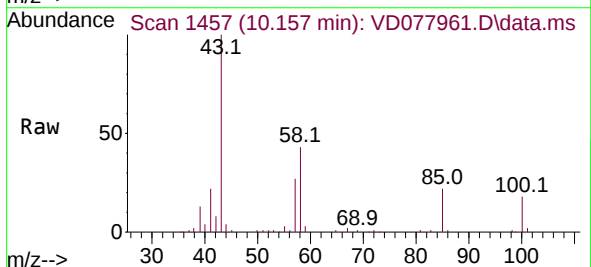
Instrument :
 MSVOA_D
 ClientSampleId :

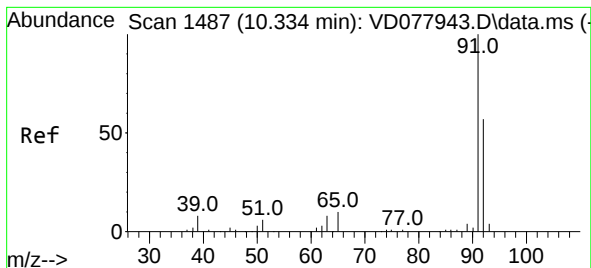
Tgt Ion: 75 Resp: 140316
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 39.900 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

Tgt Ion: 43 Resp: 81445
 Ion Ratio Lower Upper
 43 100
 58 43.8 31.0 46.4
 100 19.4 11.9 17.9#





#42

Toluene

Concen: 24.697 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

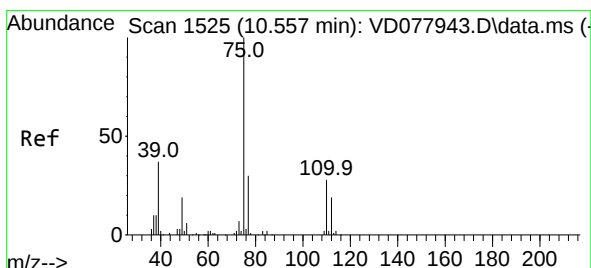
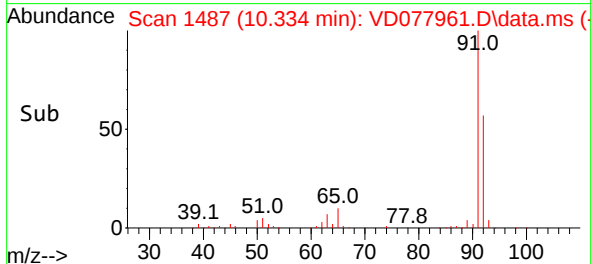
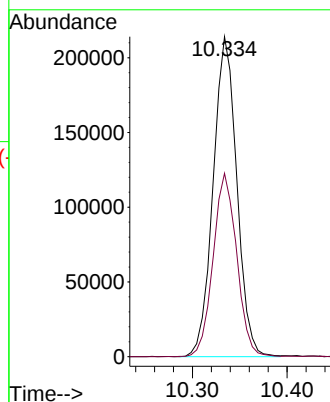
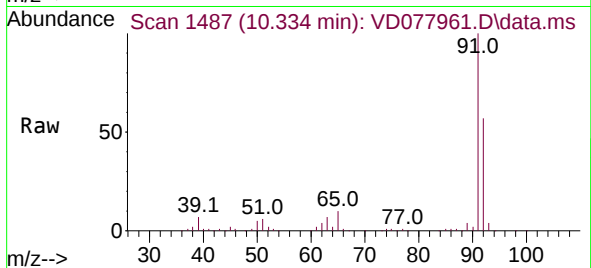
ClientSampleId :

Tgt Ion: 91 Resp: 372168

Ion Ratio Lower Upper

91 100

92 57.3 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 23.710 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD077961.D

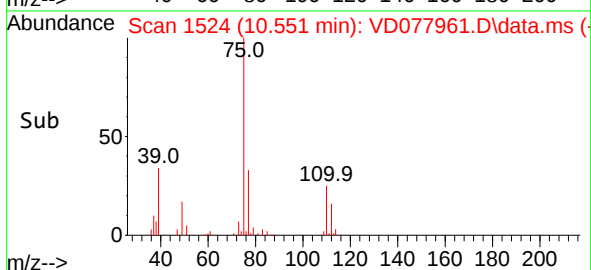
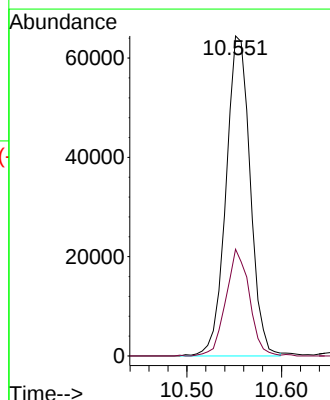
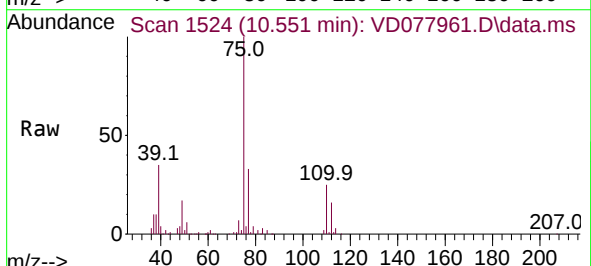
Acq: 18 Dec 2023 21:29

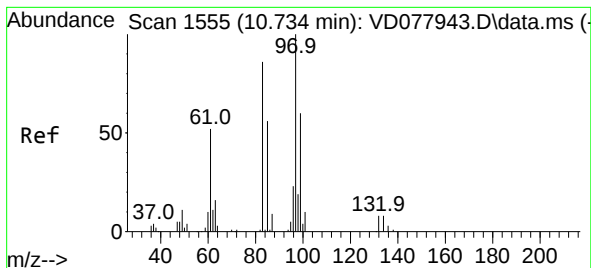
Tgt Ion: 75 Resp: 114397

Ion Ratio Lower Upper

75 100

77 33.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 27.352 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 67952

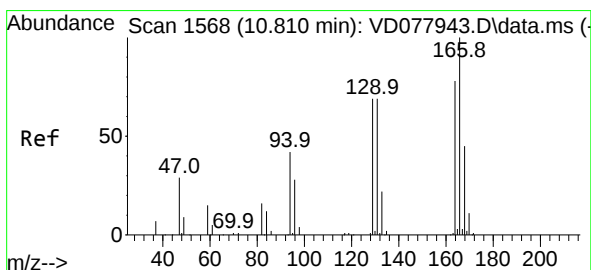
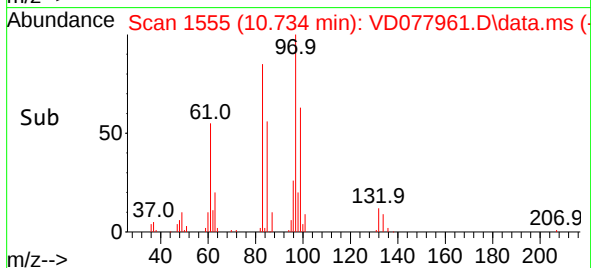
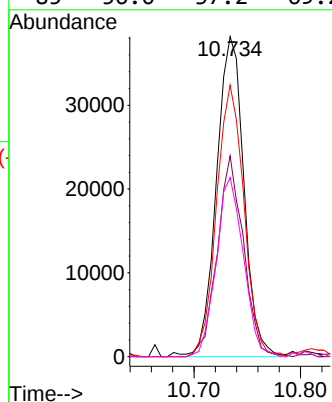
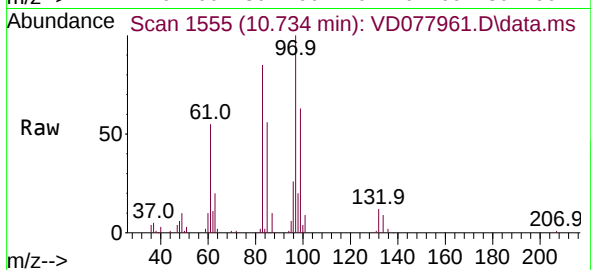
Ion Ratio Lower Upper

97 100

99 62.8 41.7 77.5

83 84.9 63.6 118.2

85 56.0 37.2 69.2



#46

Tetrachloroethene

Concen: 23.833 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Tgt Ion:164 Resp: 67681

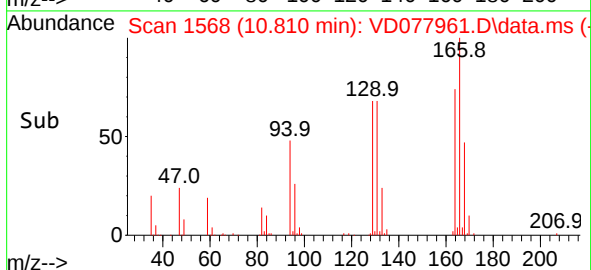
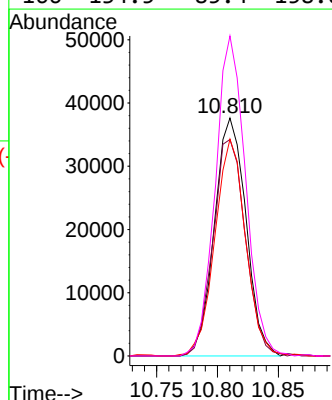
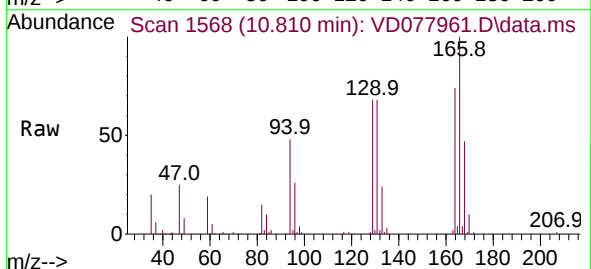
Ion Ratio Lower Upper

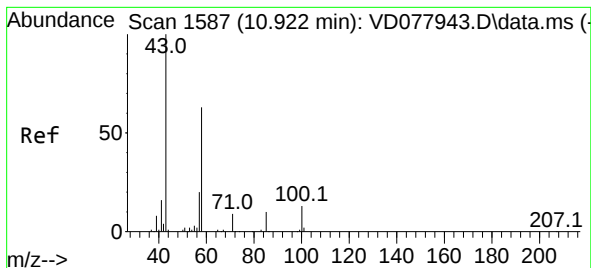
164 100

129 91.0 61.5 114.3

131 91.2 59.1 109.9

166 134.5 85.4 158.6





#48

2-Hexanone

Concen: 37.118 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

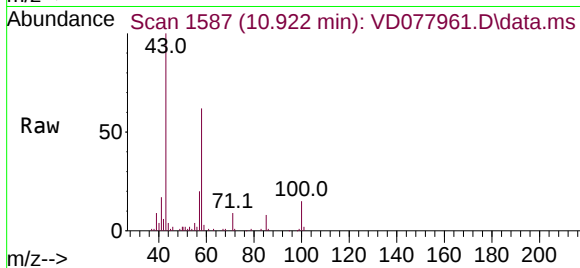
Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 64401

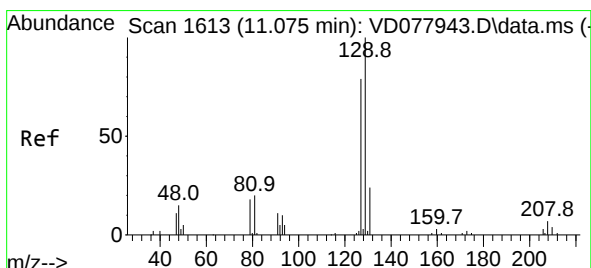
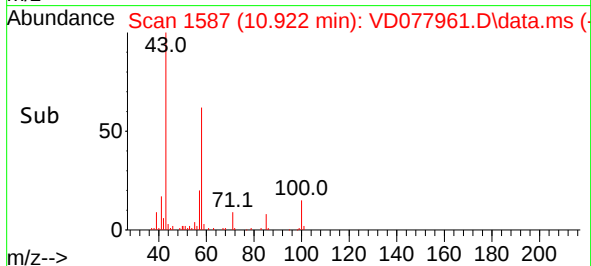
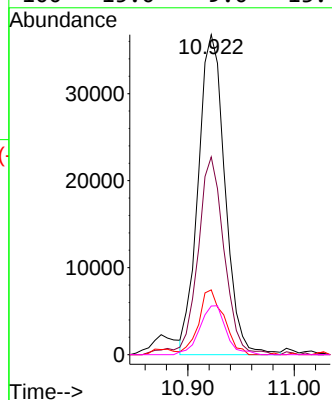
Ion Ratio Lower Upper

43 100

58 59.2 43.0 64.6

57 19.0 13.8 20.8

100 15.0 9.0 13.4#



#49

Dibromochloromethane

Concen: 26.541 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD077961.D

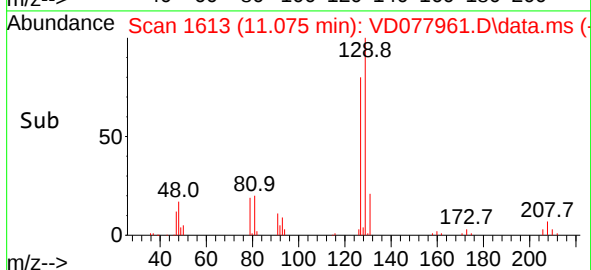
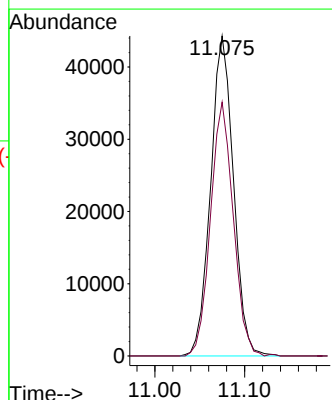
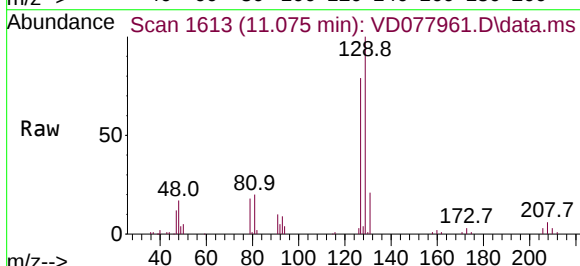
Acq: 18 Dec 2023 21:29

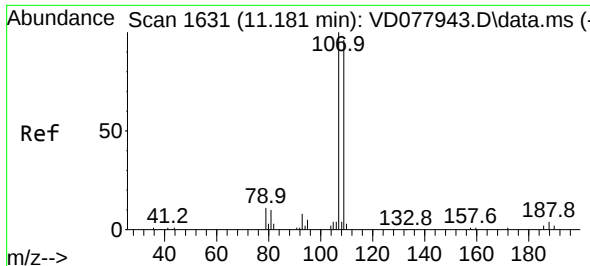
Tgt Ion:129 Resp: 78402

Ion Ratio Lower Upper

129 100

127 79.3 52.8 98.2

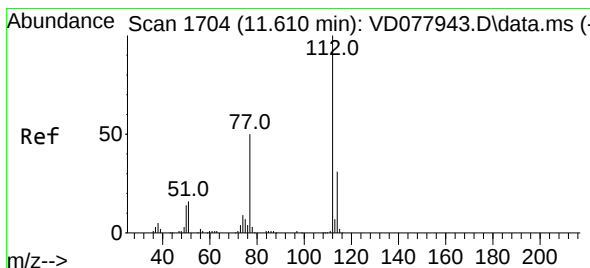
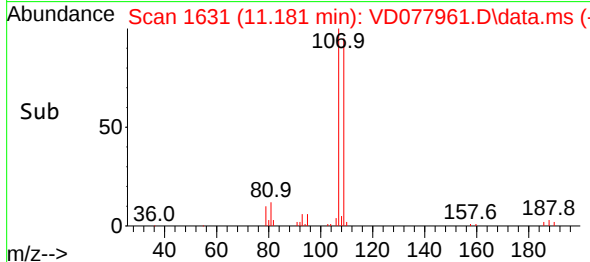
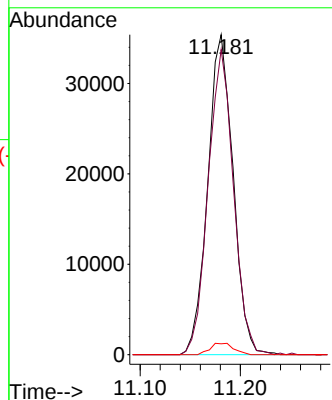
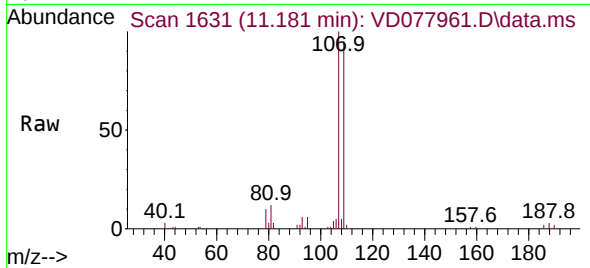




#50
1,2-Dibromoethane
Concen: 25.974 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

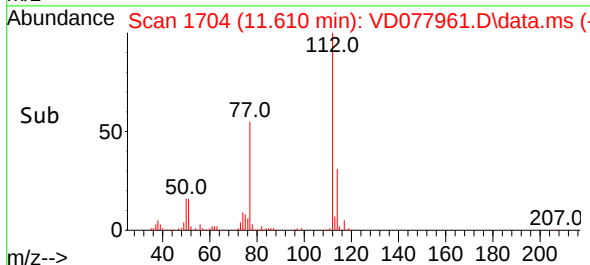
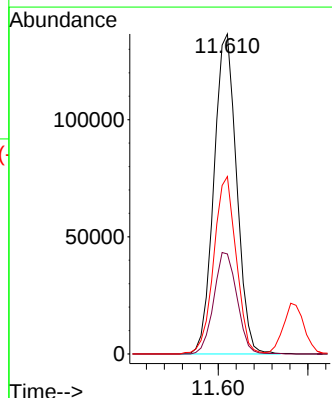
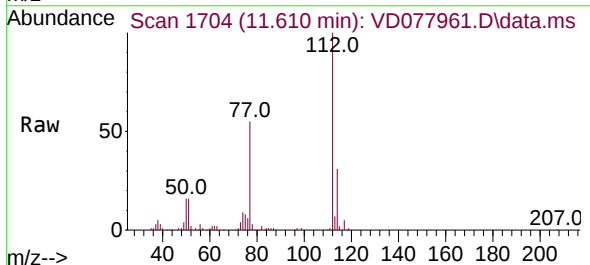
Instrument :
MSVOA_D
ClientSampleId :

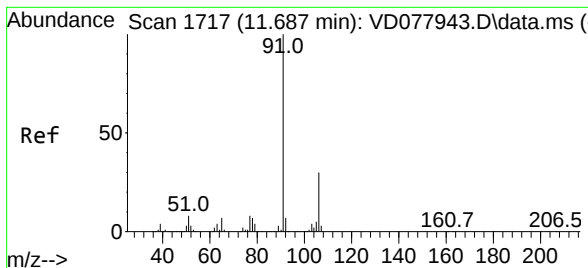
Tgt Ion:107 Resp: 62231
Ion Ratio Lower Upper
107 100
109 95.4 64.2 119.2
188 3.4 2.3 3.5



#51
Chlorobenzene
Concen: 25.676 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion:112 Resp: 239920
Ion Ratio Lower Upper
112 100
114 31.3 22.5 41.9
77 55.5 46.4 69.6

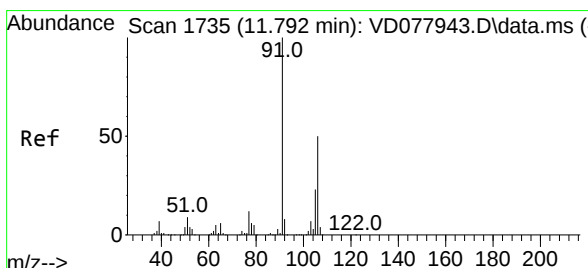
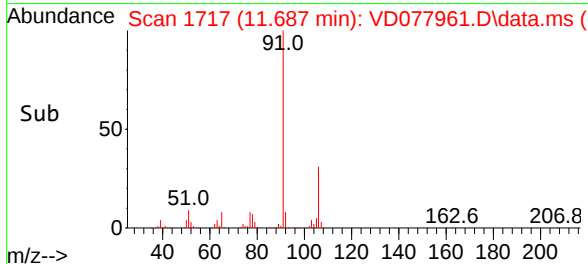
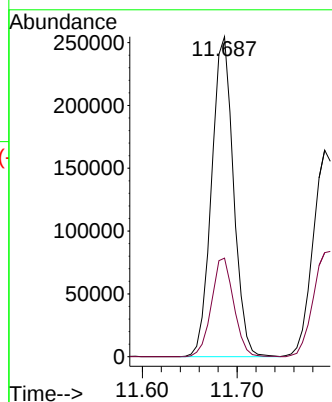
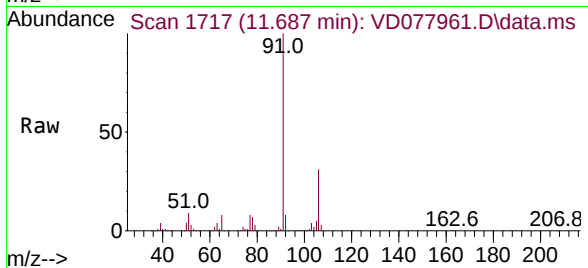




#52
Ethylbenzene
Concen: 24.488 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

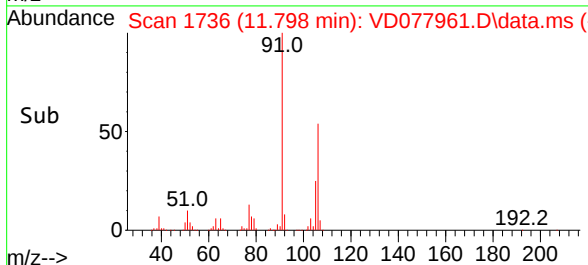
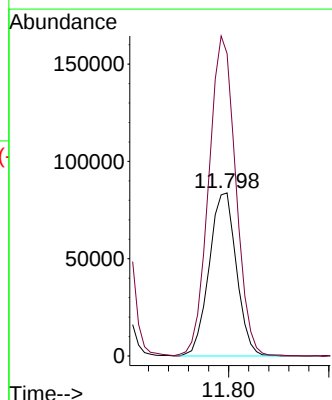
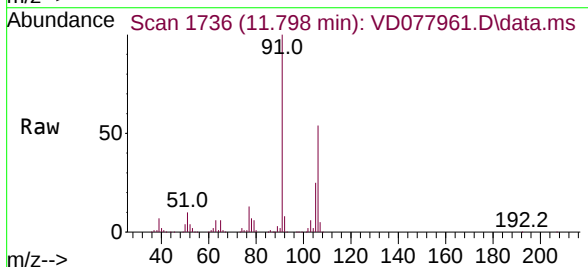
Instrument :
MSVOA_D
ClientSampleId :

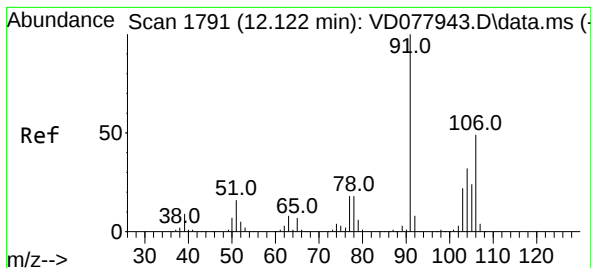
Tgt Ion: 91 Resp: 409069
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6



#53
m,p-Xylene
Concen: 25.095 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion:106 Resp: 158400
Ion Ratio Lower Upper
106 100
91 185.5 140.8 261.6





#54

o-Xylene

Concen: 25.553 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

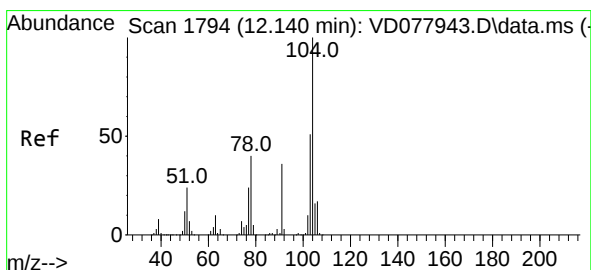
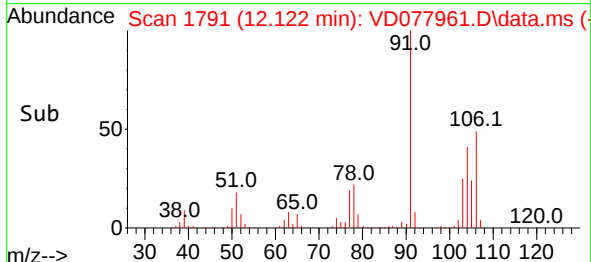
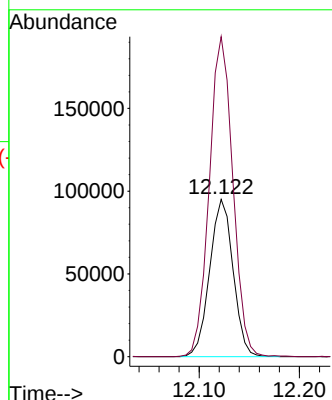
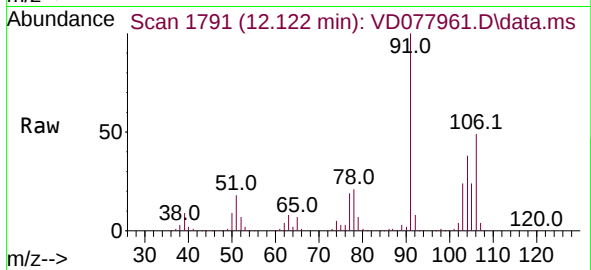
ClientSampleId :

Tgt Ion:106 Resp: 154365

Ion Ratio Lower Upper

106 100

91 203.4 152.2 282.7



#55

Styrene

Concen: 26.635 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VD077961.D

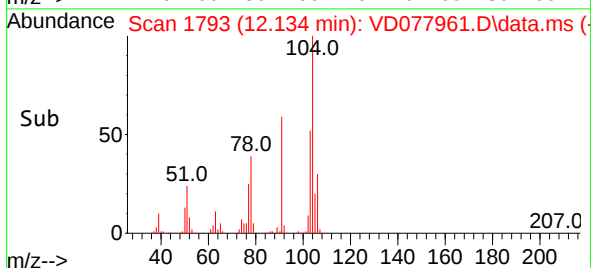
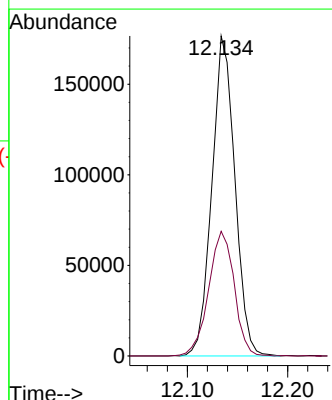
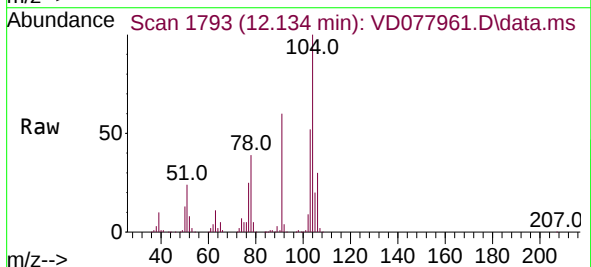
Acq: 18 Dec 2023 21:29

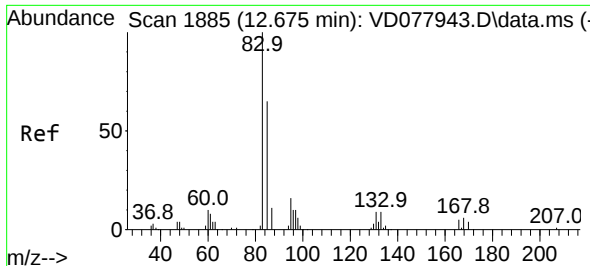
Tgt Ion:104 Resp: 281548

Ion Ratio Lower Upper

104 100

78 38.9 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 26.801 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

ClientSampleId :

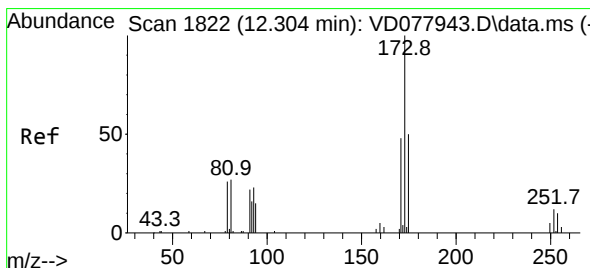
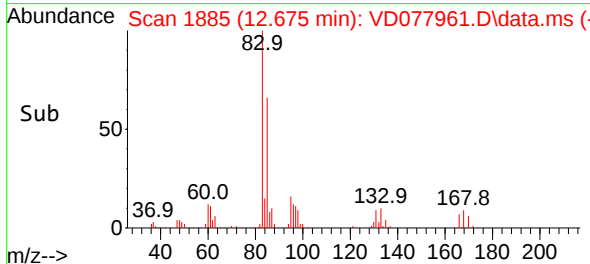
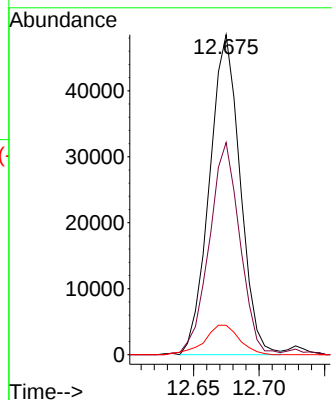
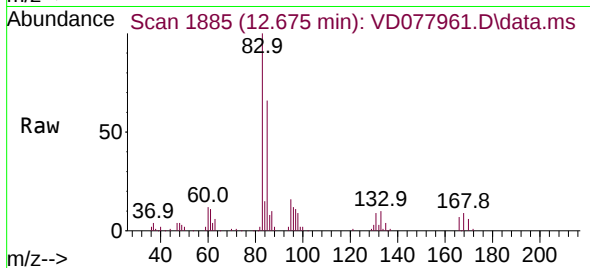
Tgt Ion: 83 Resp: 78892

Ion Ratio Lower Upper

83 100

85 66.3 43.3 80.5

131 9.2 7.3 10.9



#59

Bromoform

Concen: 26.167 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

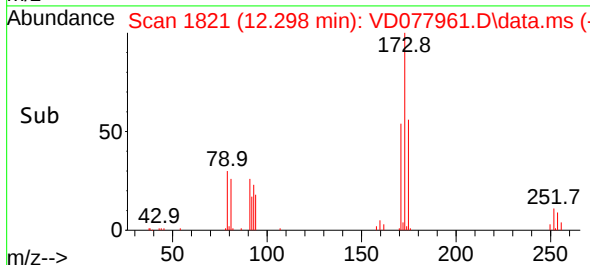
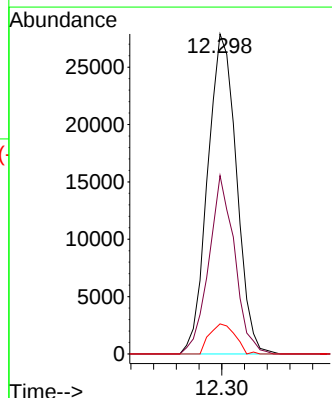
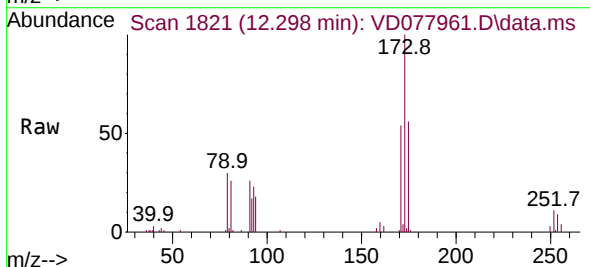
Tgt Ion: 173 Resp: 49179

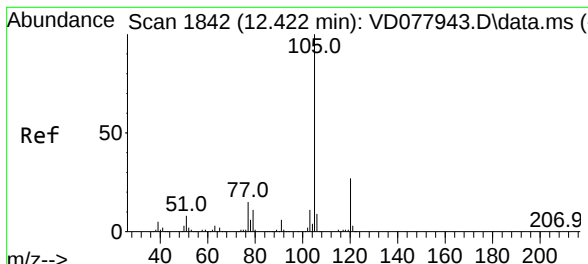
Ion Ratio Lower Upper

173 100

175 50.0 38.7 58.1

254 8.2 1.8 2.8#

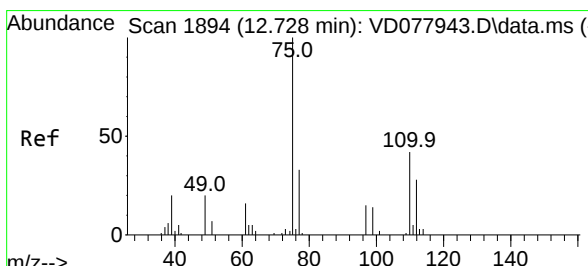
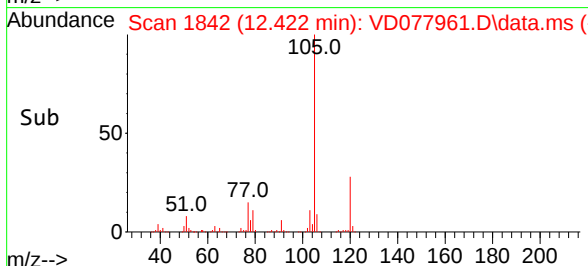
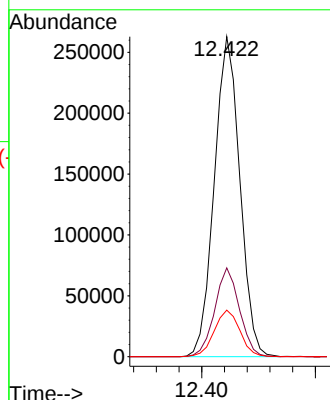
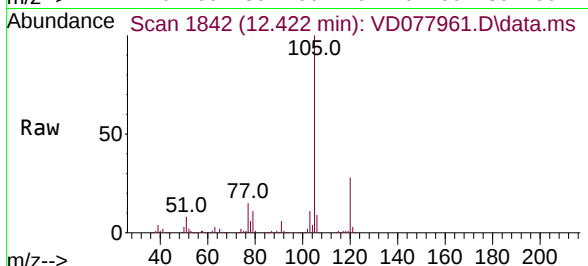




#60
Isopropylbenzene
Concen: 24.211 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

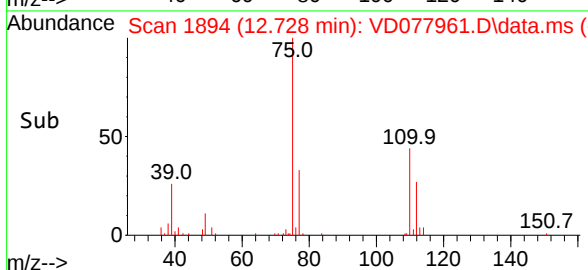
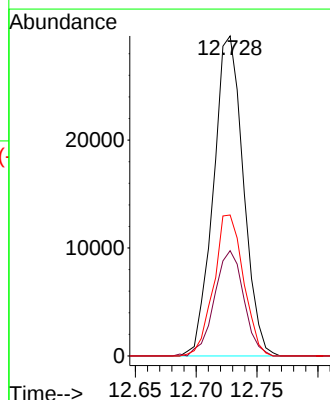
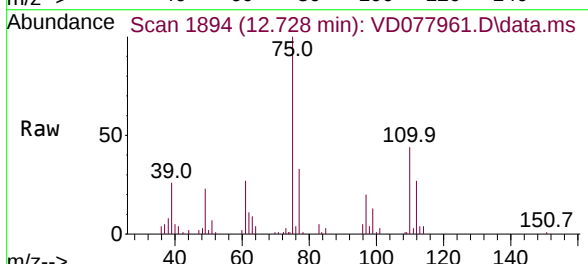
Instrument :
MSVOA_D
ClientSampleId :

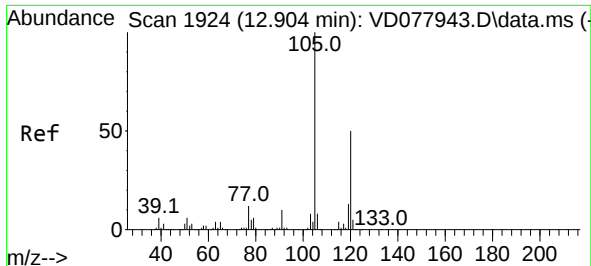
Tgt Ion:105 Resp: 410462
Ion Ratio Lower Upper
105 100
120 26.8 21.3 31.9
77 14.6 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 24.253 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 75 Resp: 50673
Ion Ratio Lower Upper
75 100
77 32.2 26.8 40.2
110 43.6 33.4 50.2

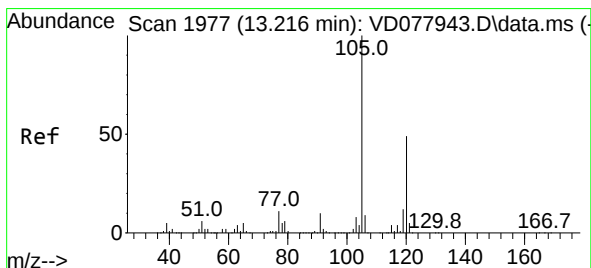
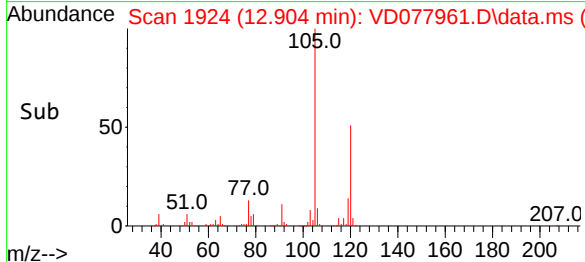
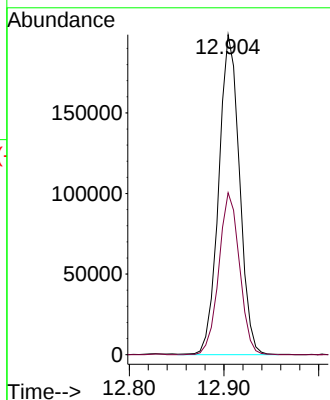
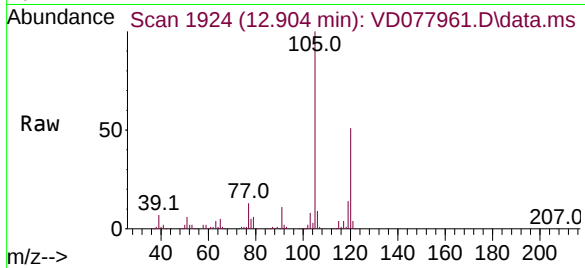




#62
 1,3,5-Trimethylbenzene
 Concen: 23.802 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

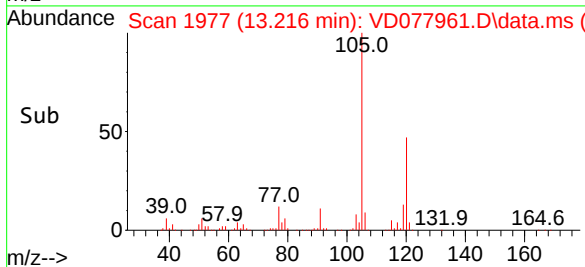
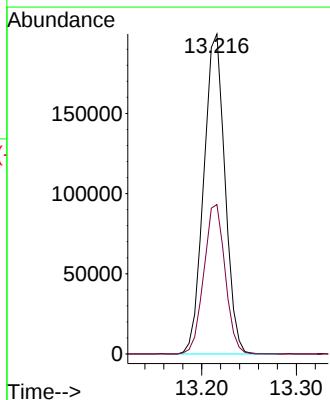
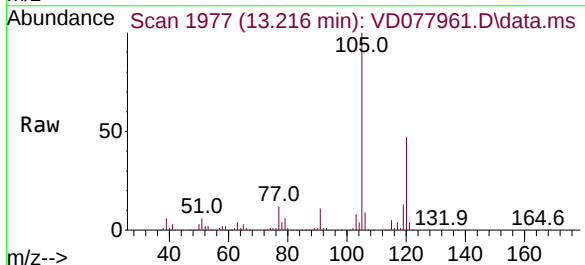
Instrument :
 MSVOA_D
 ClientSampleId :

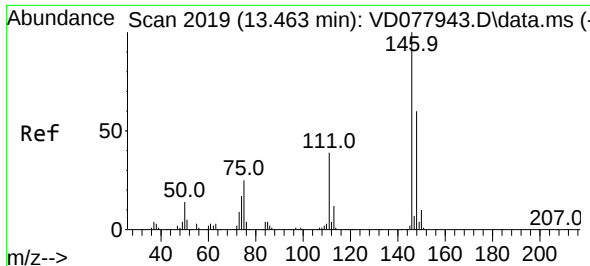
Tgt Ion:105 Resp: 303085
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 24.049 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD077961.D
 Acq: 18 Dec 2023 21:29

Tgt Ion:105 Resp: 310505
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.1 55.7

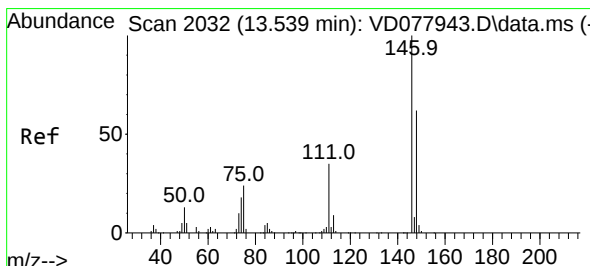
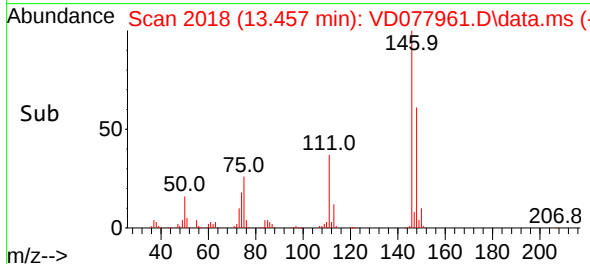
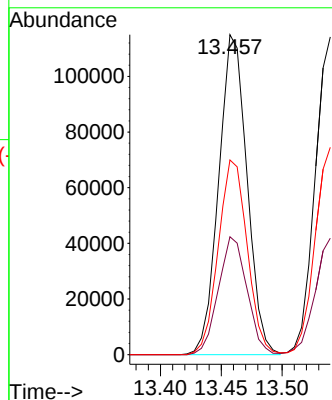
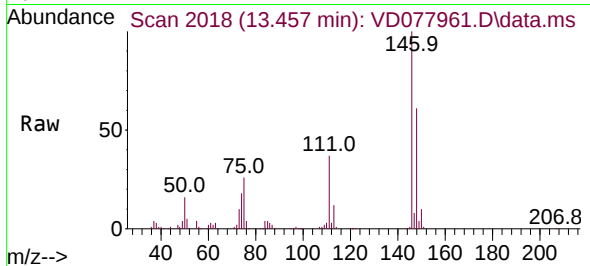




#64
1,3-Dichlorobenzene
Concen: 25.385 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

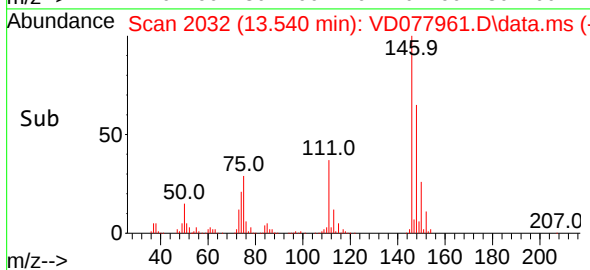
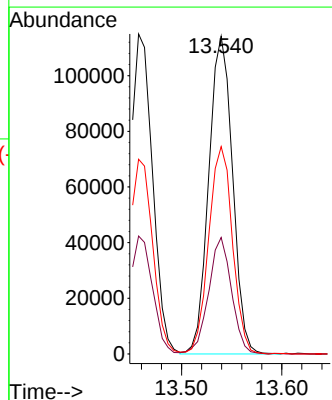
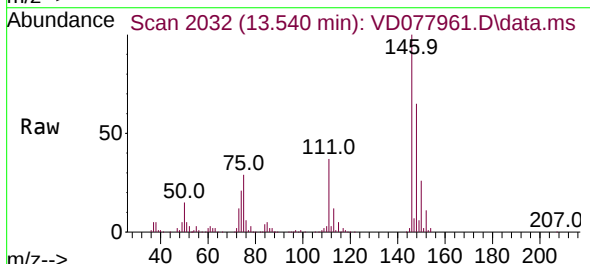
Instrument :
MSVOA_D
ClientSampleId :

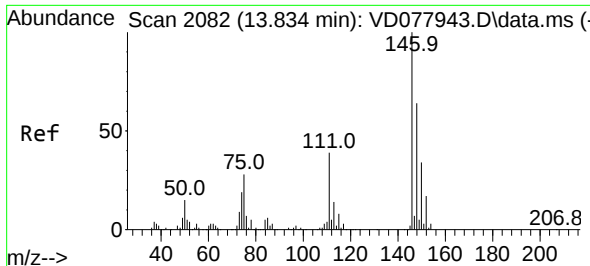
Tgt Ion:146 Resp: 186126
Ion Ratio Lower Upper
146 100
111 36.9 26.6 49.4
148 60.8 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 24.708 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion:146 Resp: 187990
Ion Ratio Lower Upper
146 100
111 36.7 26.4 49.0
148 65.3 44.0 81.8

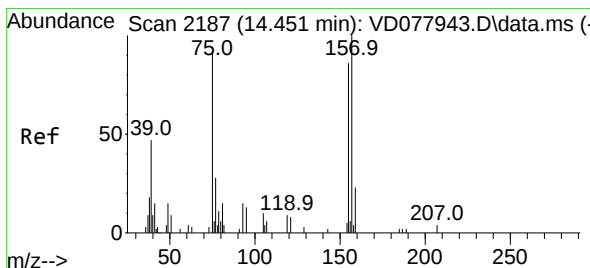
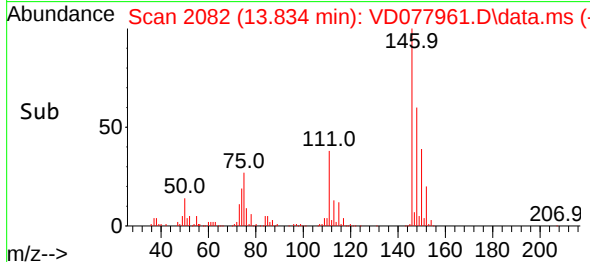
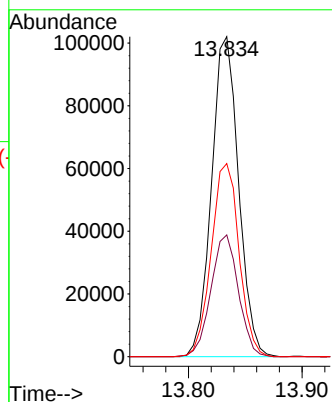
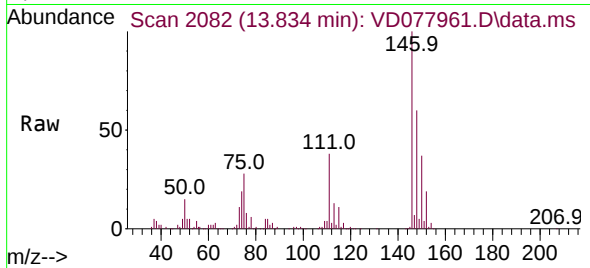




#67
1,2-Dichlorobenzene
Concen: 25.589 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

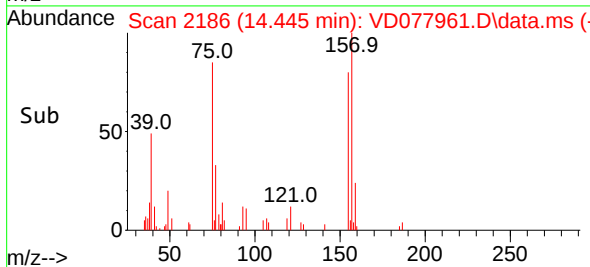
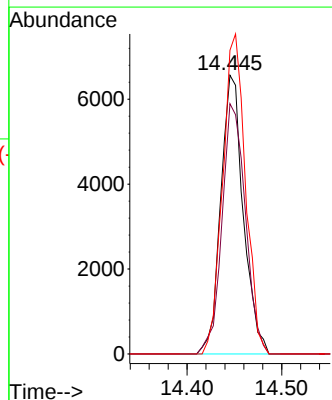
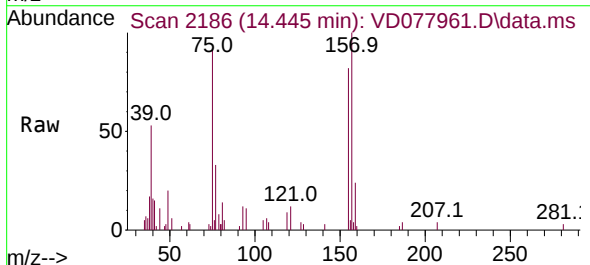
Instrument :
MSVOA_D
ClientSampleId :

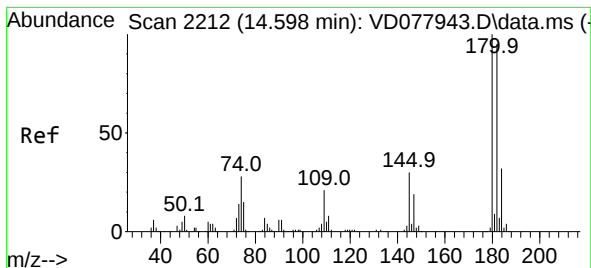
Tgt Ion:146 Resp: 168832
Ion Ratio Lower Upper
146 100
111 38.0 31.4 47.2
148 60.4 50.2 75.2



#68
1,2-Dibromo-3-chloropropane
Concen: 22.086 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD077961.D
Acq: 18 Dec 2023 21:29

Tgt Ion: 75 Resp: 10881
Ion Ratio Lower Upper
75 100
155 89.8 69.2 103.8
157 109.0 86.6 130.0





#69

1,3,5-Trichlorobenzene

Concen: 23.803 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:180 Resp: 118842

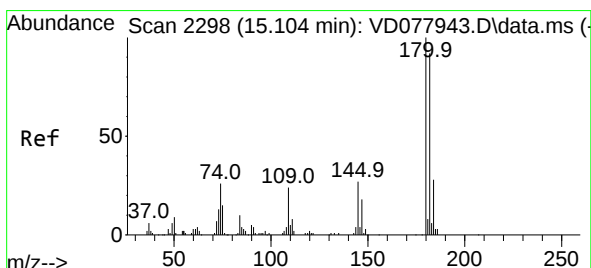
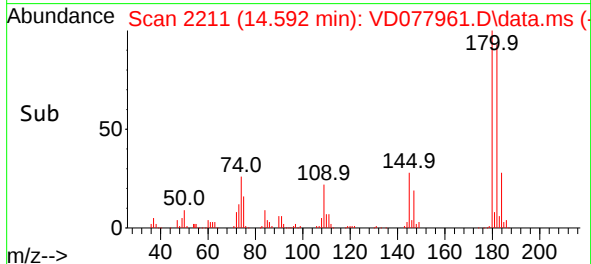
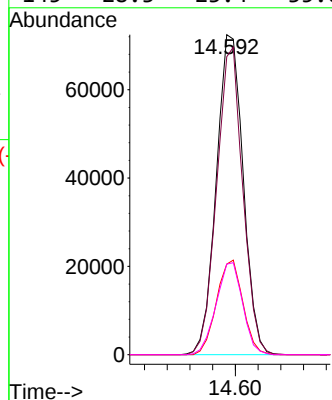
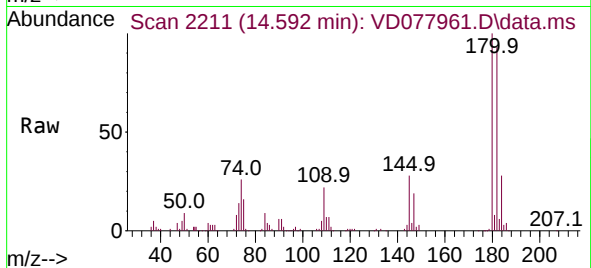
Ion Ratio Lower Upper

180 100

182 93.3 77.0 115.4

184 28.9 24.3 36.5

145 28.3 23.4 35.0



#70

1,2,4-trichlorobenzene

Concen: 22.848 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

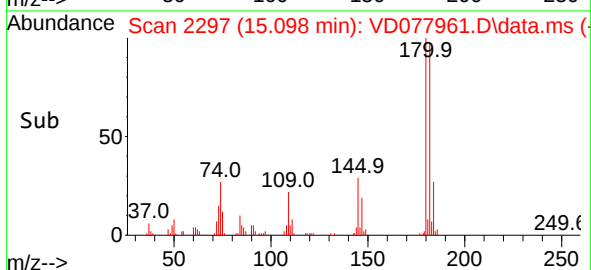
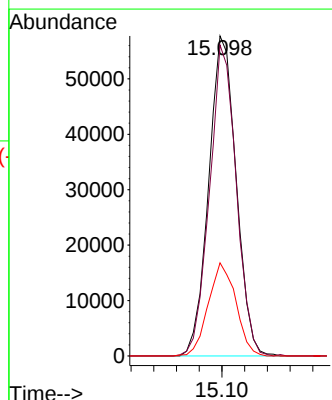
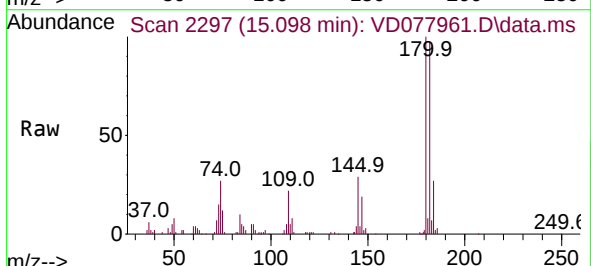
Tgt Ion:180 Resp: 96841

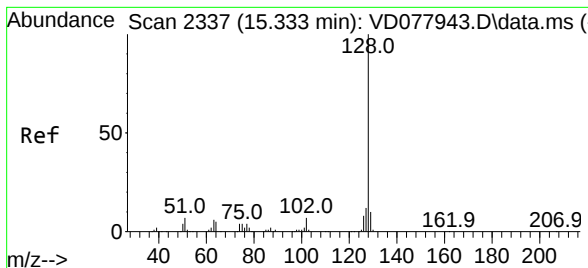
Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.6

145 29.3 23.9 35.9





#71

Naphthalene

Concen: 22.784 ug/L

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Instrument :

MSVOA_D

ClientSampleId :

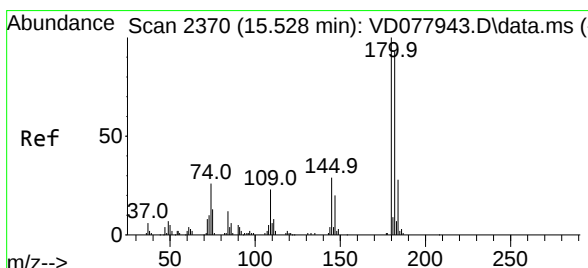
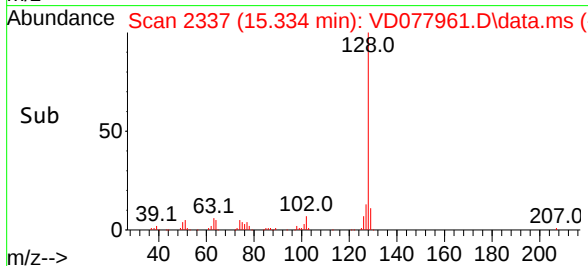
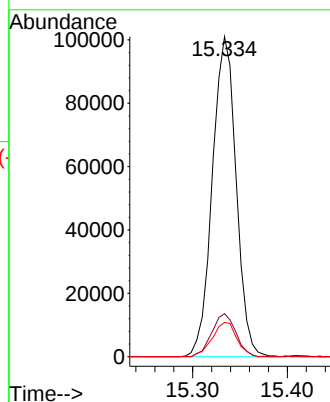
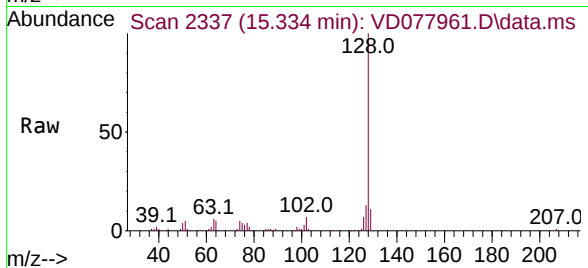
Tgt Ion:128 Resp: 176546

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 11.1 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 23.353 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.006 min

Lab File: VD077961.D

Acq: 18 Dec 2023 21:29

Tgt Ion:180 Resp: 86773

Ion Ratio Lower Upper

180 100

182 93.0 77.3 115.9

145 30.3 25.2 37.8

