

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110923\
 Data File : VD077527.D
 Acq On : 09 Nov 2023 10:12
 Operator : JC/SY
 Sample : VSTD050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:05:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Nov 10 00:03:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	367468	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	333951	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	162847	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	430281	46.030	ug/L	0.00
7) Chloroethane-d5	2.805	69	341203	46.463	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	130821	45.258	ug/L	0.00
21) 2-Butanone-d5	6.987	46	167113	106.686	ug/L	0.00
24) Chloroform-d	7.575	84	530552	49.980	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	281918	49.928	ug/L	0.00
32) Benzene-d6	8.205	84	1080748	49.863	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	348766	49.400	ug/L	0.00
41) Toluene-d8	10.269	98	978523	49.961	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	156452	51.396	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	133780	105.925	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	244801	52.334	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	297631	51.375	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	283733	47.944	ug/L	100
3) Chloromethane	2.152	50	414056	48.631	ug/L	99
5) Vinyl chloride	2.287	62	467603	48.659	ug/L	96
6) Bromomethane	2.699	94	263954	51.592	ug/L	97
8) Chloroethane	2.840	64	286174	47.900	ug/L	92
9) Trichlorofluoromethane	3.181	101	432248	49.425	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	268537	49.897	ug/L	98
12) 1,1-Dichloroethene	3.946	96	252919	48.144	ug/L	97
13) Acetone	4.016	43	191861	112.799	ug/L	97
14) Carbon disulfide	4.275	76	905920	48.145	ug/L	98
15) Methyl Acetate	4.564	43	142056	50.757	ug/L	98
16) Methylene chloride	4.811	84	273617	44.075	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	271589	49.407	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	651874	50.526	ug/L	100
19) 1,1-Dichloroethane	6.116	63	543546	49.283	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	296108	49.582	ug/L	98
22) 2-Butanone	7.081	43	213704	103.209	ug/L	96
23) Bromochloromethane	7.428	128	120626	50.268	ug/L	96
25) Chloroform	7.599	83	501115	49.460	ug/L	98
27) 1,2-Dichloroethane	8.328	62	336721	50.135	ug/L	98
29) Cyclohexane	7.881	56	536340	49.465	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	429638	49.144	ug/L	100
31) Carbon tetrachloride	7.993	117	372201	49.539	ug/L	98
33) Benzene	8.252	78	1174634	50.722	ug/L	100
34) Trichloroethene	9.028	95	289525	50.454	ug/L	94
35) Methylcyclohexane	9.275	83	520718	50.308	ug/L	99
37) 1,2-Dichloropropane	9.304	63	323200	50.202	ug/L	100
38) Bromodichloromethane	9.587	83	369096	49.982	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	503771	50.922	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	404431	103.085	ug/L	99
42) Toluene	10.334	91	1231415	50.646	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	424271	51.902	ug/L	98

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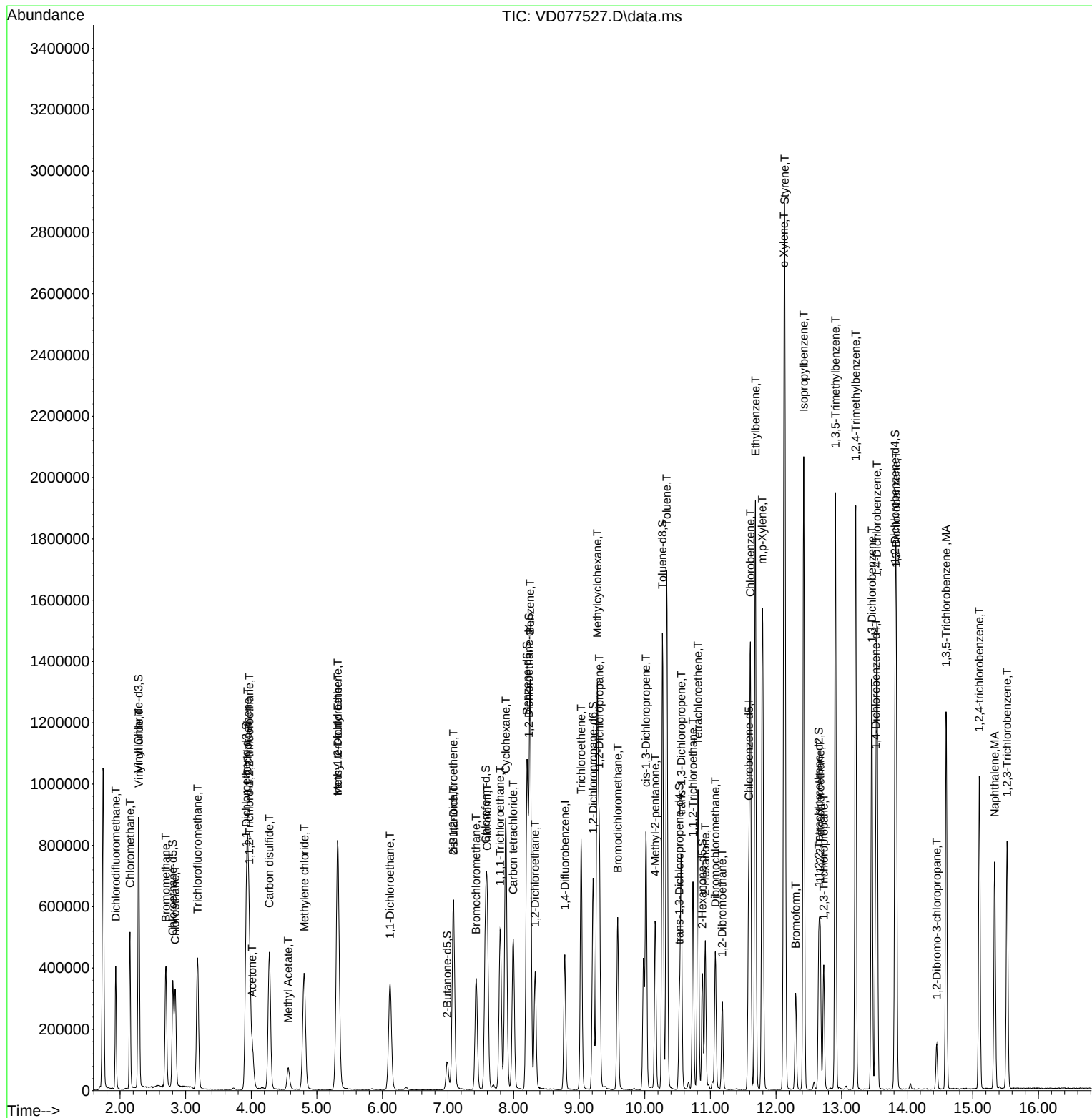
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	202978	51.578	ug/L	97
46) Tetrachloroethene	10.810	164	213199	50.494	ug/L	96
48) 2-Hexanone	10.922	43	331037	106.452	ug/L	98
49) Dibromochloromethane	11.075	129	228852	51.195	ug/L	98
50) 1,2-Dibromoethane	11.181	107	189903	50.462	ug/L	99
51) Chlorobenzene	11.610	112	723576	50.797	ug/L	99
52) Ethylbenzene	11.687	91	1365777	51.051	ug/L	97
53) m,p-Xylene	11.793	106	492210	50.559	ug/L	97
54) o-Xylene	12.122	106	484273	51.938	ug/L	97
55) Styrene	12.134	104	853502	52.426	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	240529	51.883	ug/L	98
59) Bromoform	12.298	173	138254	49.795	ug/L	99
60) Isopropylbenzene	12.422	105	1315829	49.954	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	170633	49.191	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	1014201	50.732	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	1026102	50.670	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	533986	49.414	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	534055	48.970	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	478952	50.131	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	36318	48.134	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.592	180	365922	49.731	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	313386	50.535	ug/L	99
71) Naphthalene	15.334	128	609982	52.192	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	268510	50.781	ug/L	99

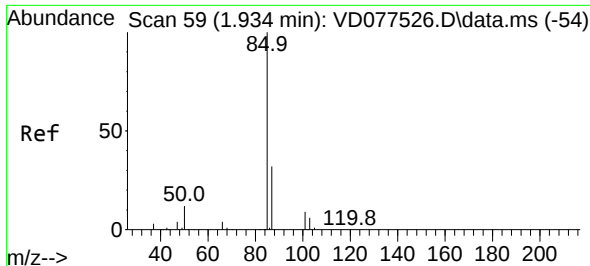
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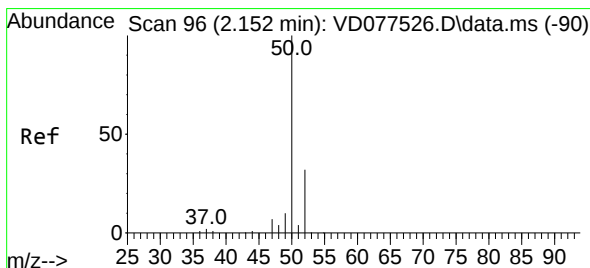
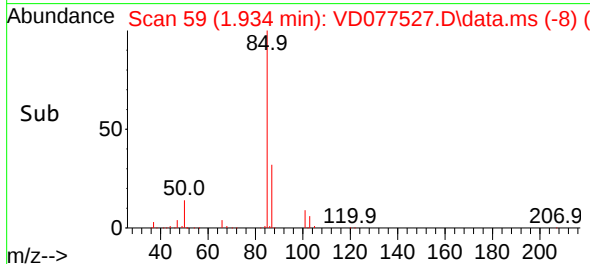
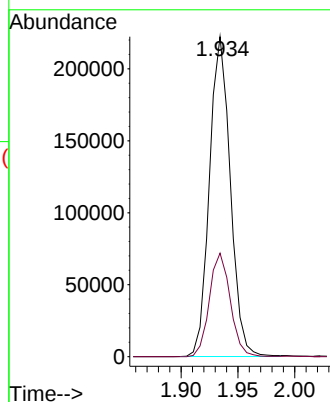
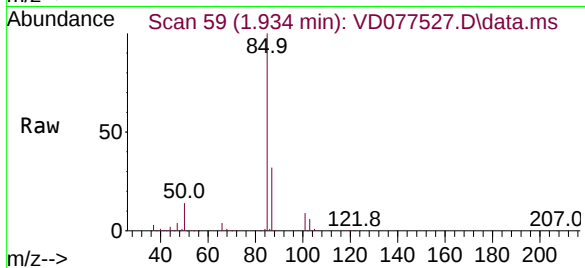




#2
Dichlorodifluoromethane
Concen: 47.944 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

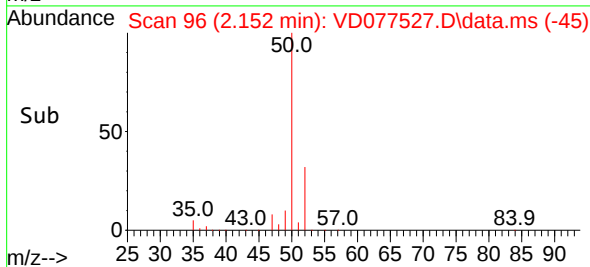
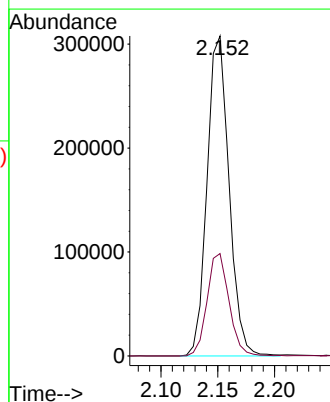
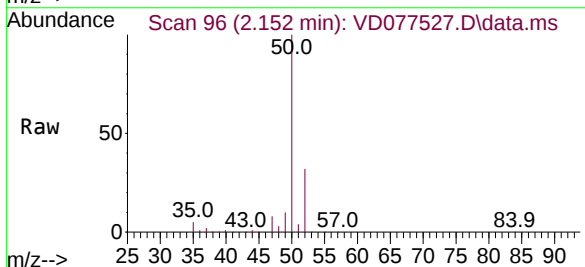
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ClientSampleId :

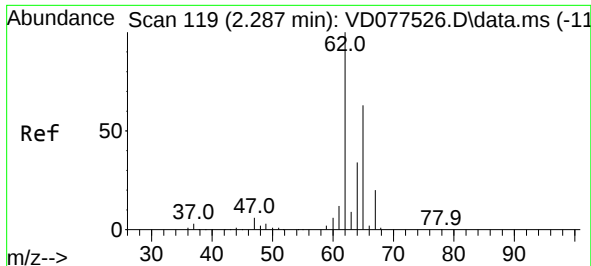
Tgt Ion: 85 Resp: 283733
Ion Ratio Lower Upper
85 100
87 32.5 26.2 39.2



#3
Chloromethane
Concen: 48.631 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion: 50 Resp: 414056
Ion Ratio Lower Upper
50 100
52 32.0 22.1 41.1

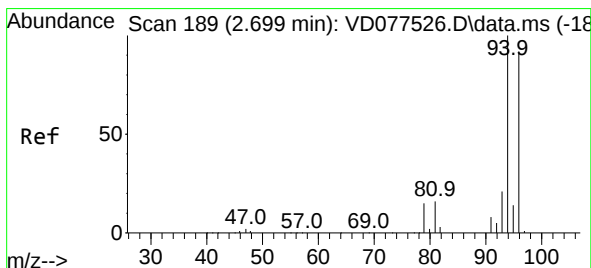
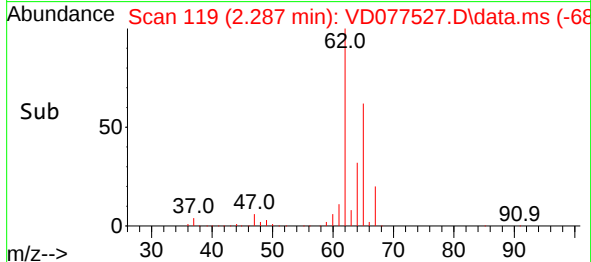
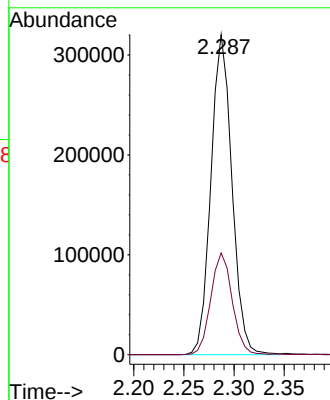
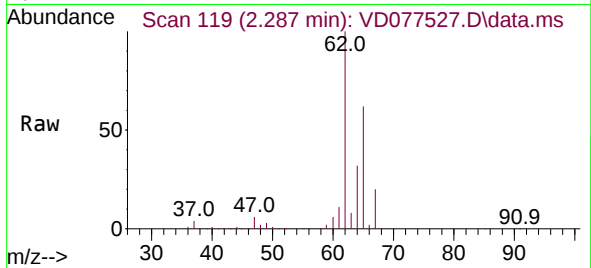




#5
 Vinyl chloride
 Concen: 48.659 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

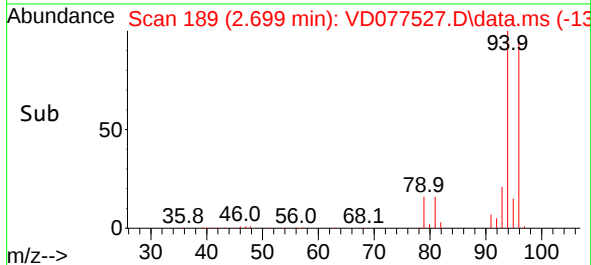
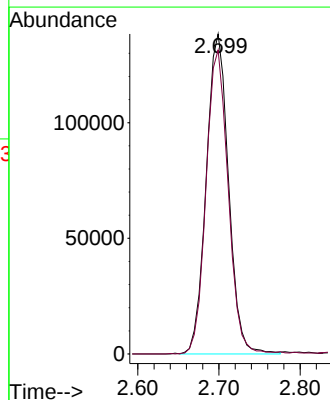
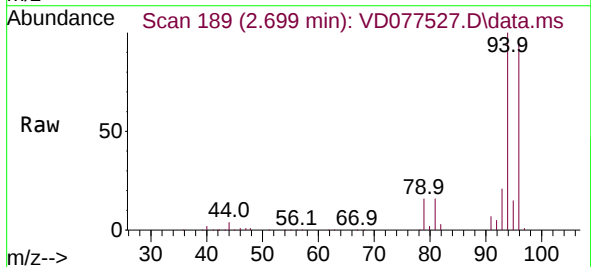
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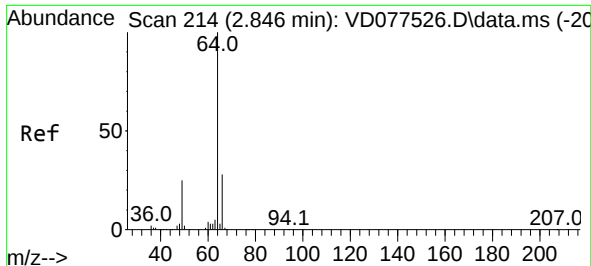
Tgt Ion: 62 Resp: 467603
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.9 44.5



#6
 Bromomethane
 Concen: 51.592 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. -0.000 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

Tgt Ion: 94 Resp: 263954
 Ion Ratio Lower Upper
 94 100
 96 95.0 64.5 119.9

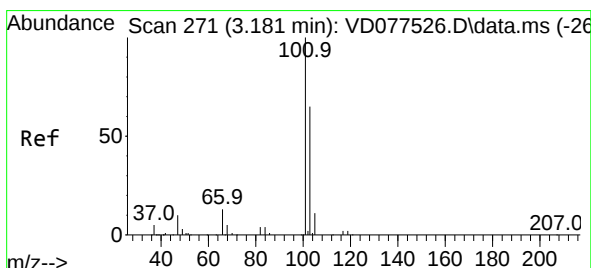
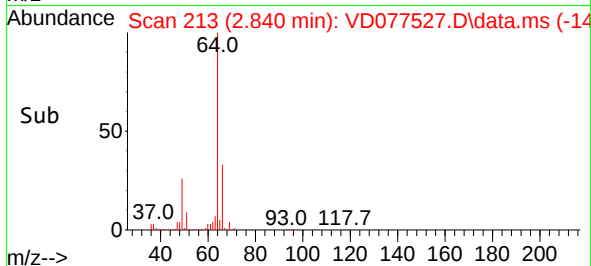
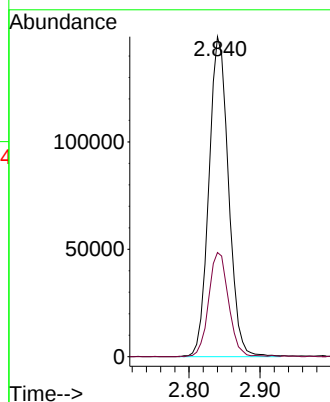
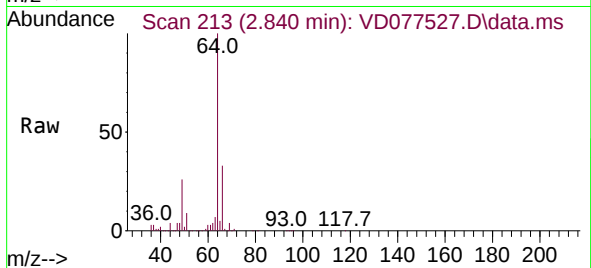




#8
Chloroethane
Concen: 47.900 ug/L
RT: 2.840 min Scan# 214
Delta R.T. -0.006 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

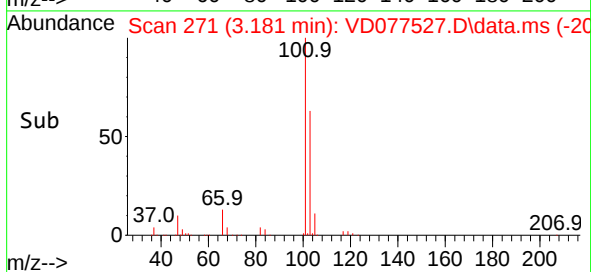
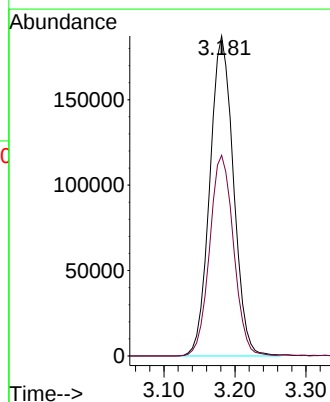
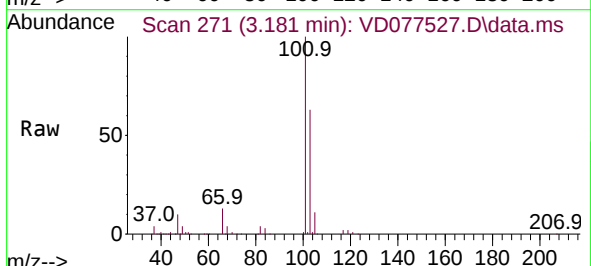
Instrument :
MSVOA_D
ClientSampleId :

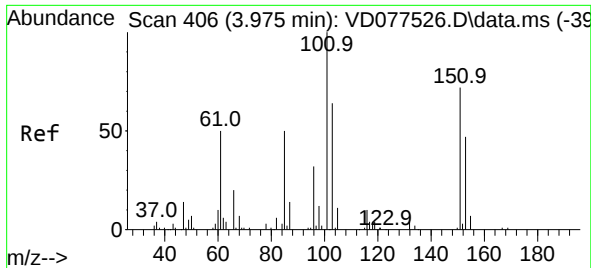
Tgt Ion: 64 Resp: 286174
Ion Ratio Lower Upper
64 100
66 32.6 19.8 36.8



#9
Trichlorofluoromethane
Concen: 49.425 ug/L
RT: 3.181 min Scan# 271
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion:101 Resp: 432248
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9

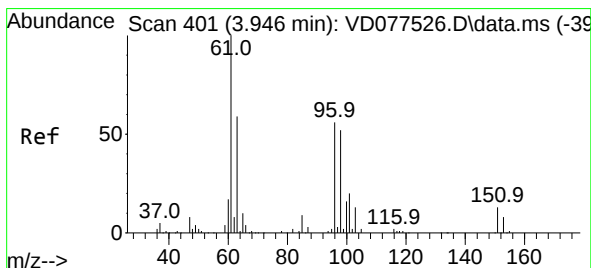
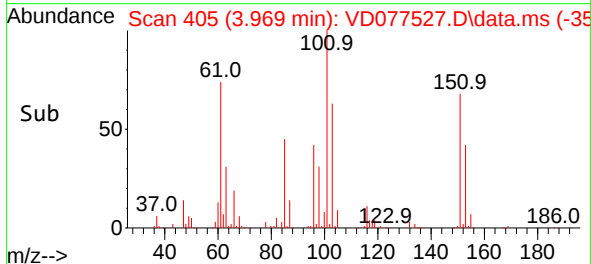
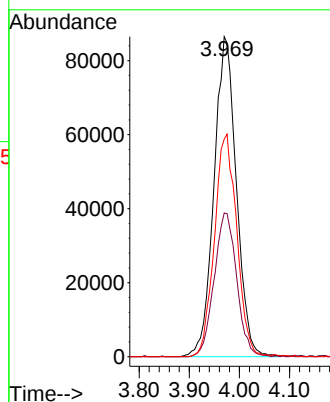
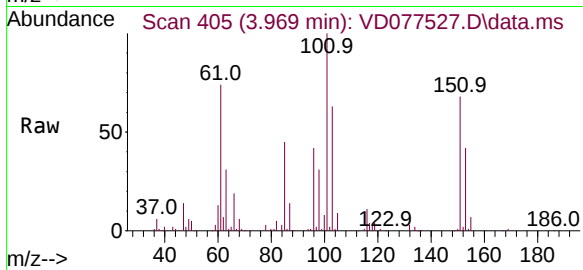




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.897 ug/L
 RT: 3.969 min Scan# 406
 Delta R.T. -0.006 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

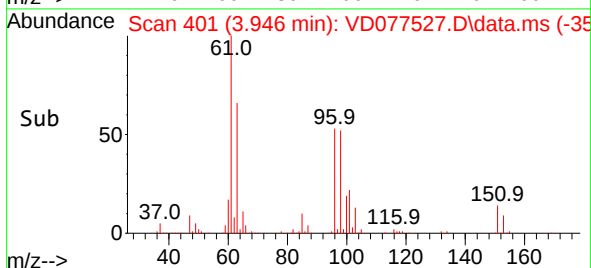
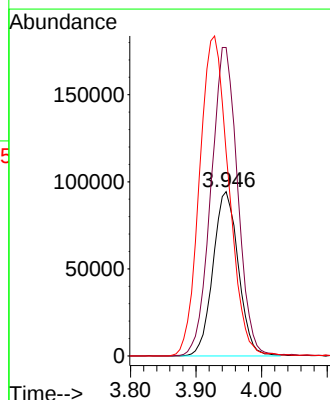
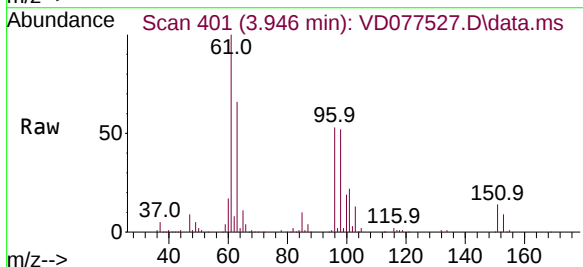
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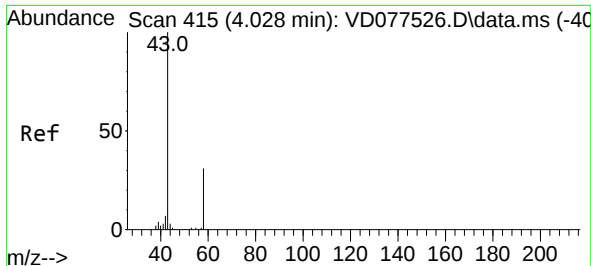
Tgt Ion:101 Resp: 268537
 Ion Ratio Lower Upper
 101 100
 85 45.1 36.8 55.2
 151 69.4 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 48.144 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

Tgt Ion: 96 Resp: 252919
 Ion Ratio Lower Upper
 96 100
 61 187.7 127.5 236.9
 63 124.1 86.4 160.4

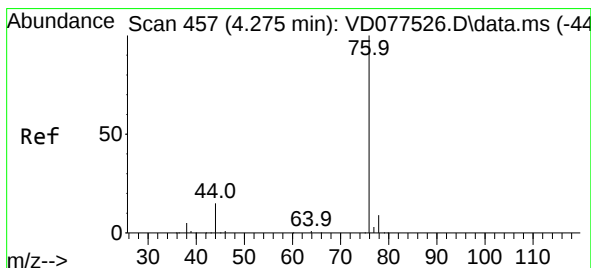
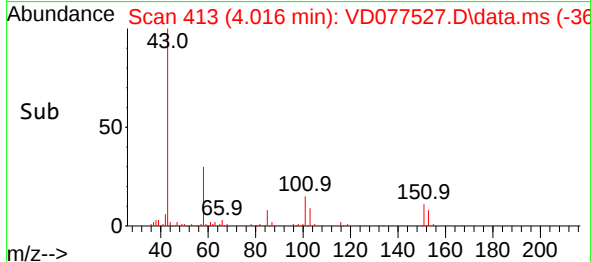
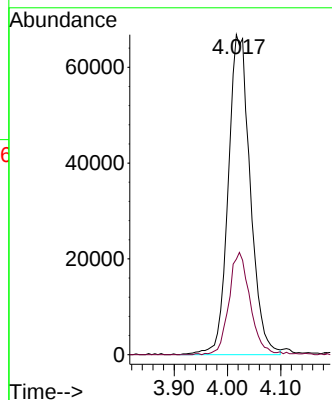
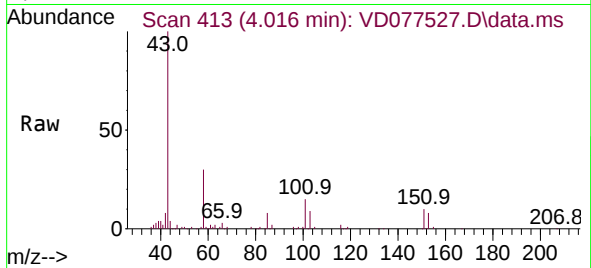




#13
Acetone
Concen: 112.799 ug/L
RT: 4.016 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

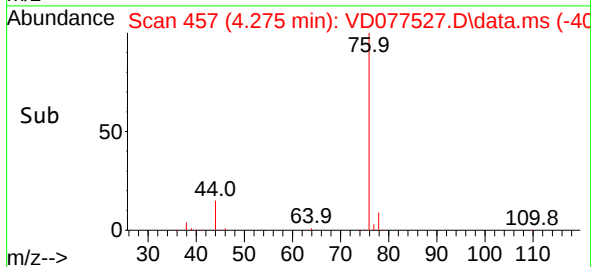
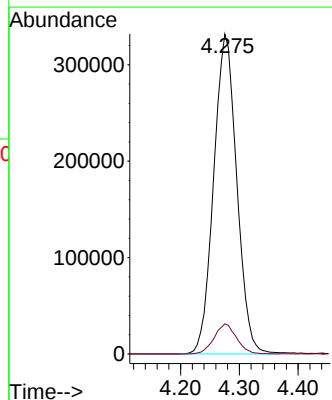
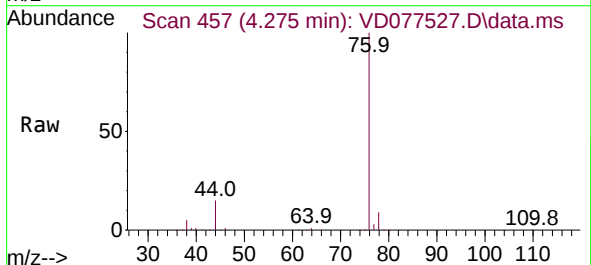
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ClientSampleId :

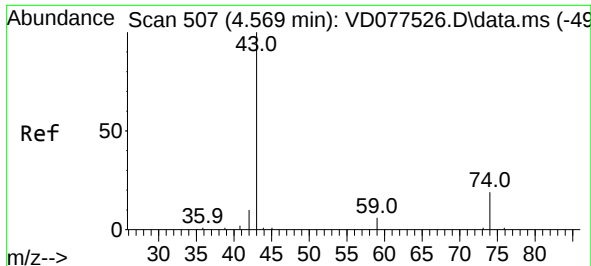
Tgt Ion: 43 Resp: 191861
Ion Ratio Lower Upper
43 100
58 30.6 0.0 64.0



#14
Carbon disulfide
Concen: 48.145 ug/L
RT: 4.275 min Scan# 457
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion: 76 Resp: 905920
Ion Ratio Lower Upper
76 100
78 9.4 6.9 10.3

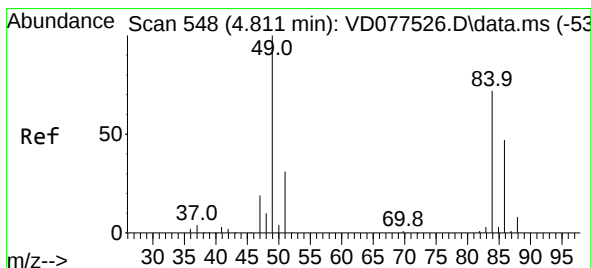
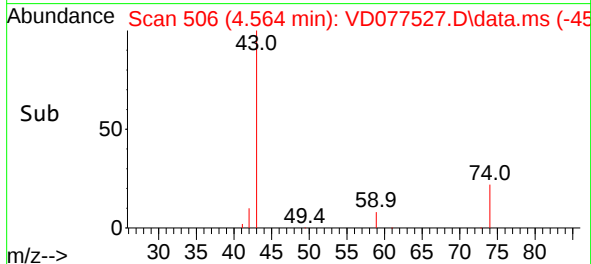
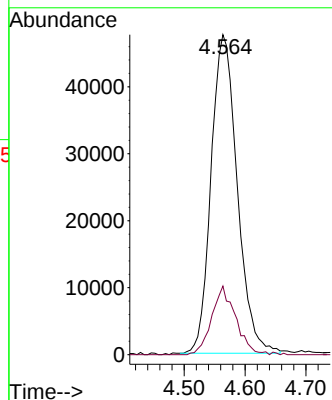
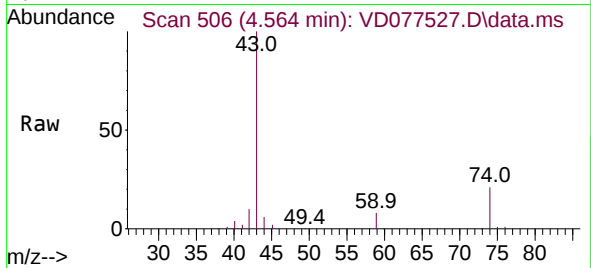




#15
Methyl Acetate
Concen: 50.757 ug/L
RT: 4.564 min Scan# 507
Delta R.T. -0.006 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

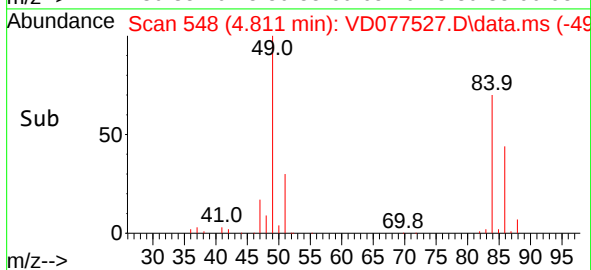
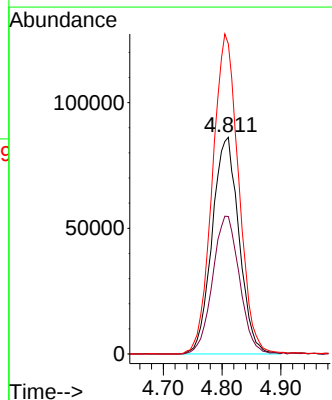
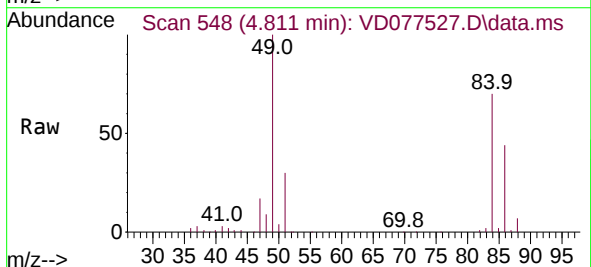
Instrument :
MSVOA_D
ClientSampleId :

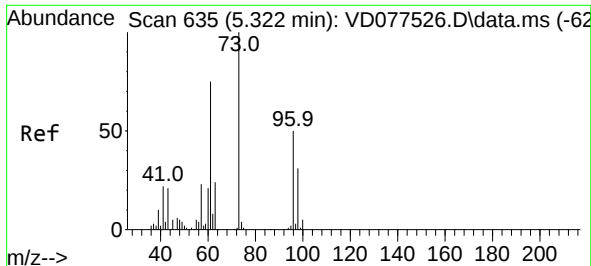
Tgt Ion: 43 Resp: 142056
Ion Ratio Lower Upper
43 100
74 19.6 16.6 24.8



#16
Methylene chloride
Concen: 44.075 ug/L
RT: 4.811 min Scan# 548
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion: 84 Resp: 273617
Ion Ratio Lower Upper
84 100
86 63.5 46.5 86.5
49 143.0 98.3 182.7





#17

trans-1,2-Dichloroethene

Concen: 49.407 ug/L

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

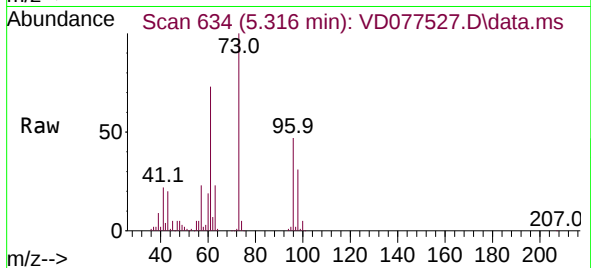
Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :



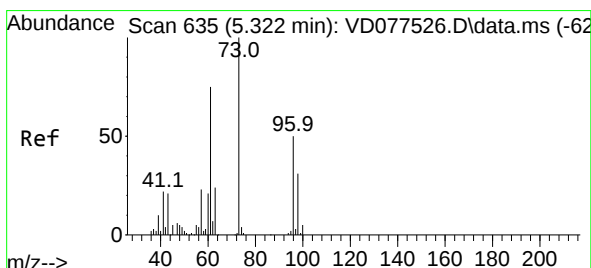
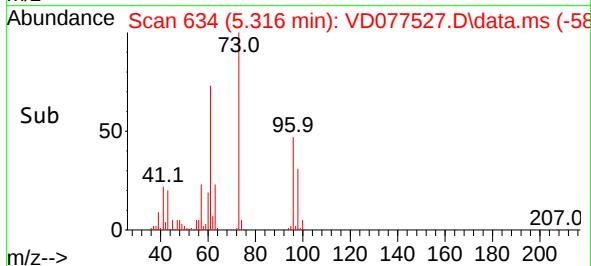
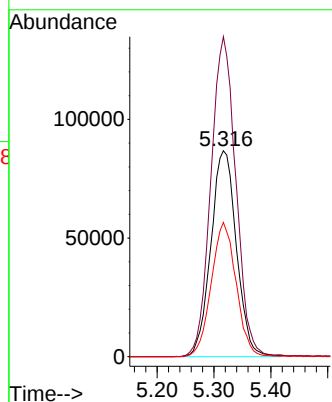
Tgt Ion: 96 Resp: 271589

Ion Ratio Lower Upper

96 100

61 155.4 104.0 193.2

98 65.2 43.1 80.1



#18

Methyl tert-butyl Ether

Concen: 50.526 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

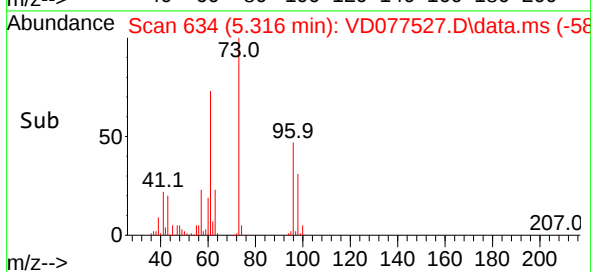
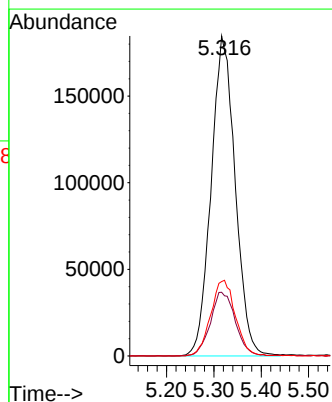
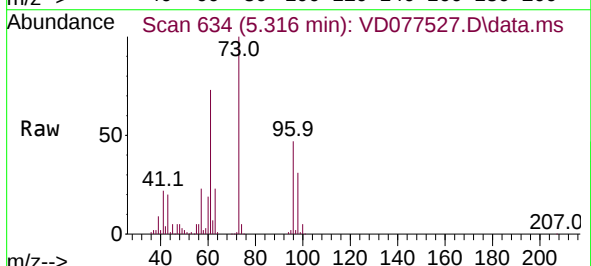
Tgt Ion: 73 Resp: 651874

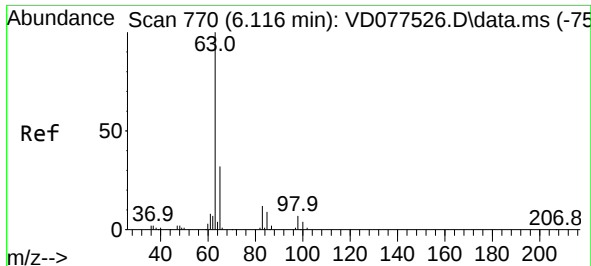
Ion Ratio Lower Upper

73 100

43 20.7 16.4 24.6

57 24.1 19.3 28.9





#19

1,1-Dichloroethane

Concen: 49.283 ug/L

RT: 6.116 min Scan# 770

Delta R.T. -0.000 min

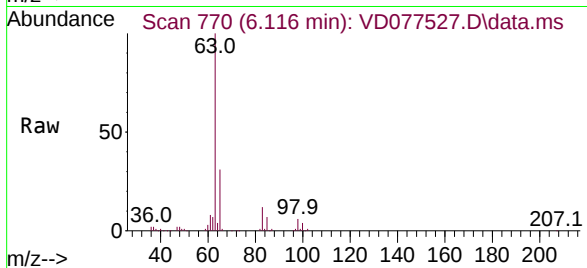
Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

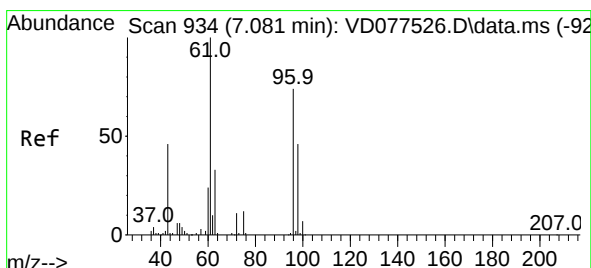
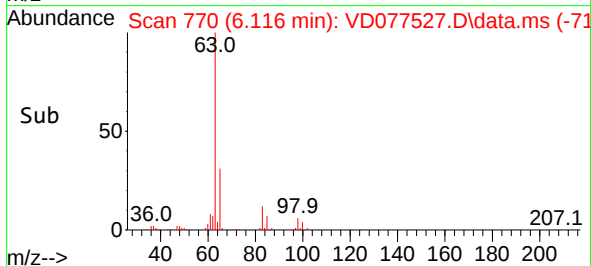
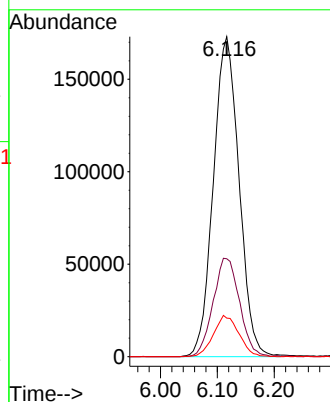
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 63	Resp: 543546
Ion Ratio	Lower Upper
63 100	
65 30.6	22.6 42.0
83 12.0	8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 49.582 ug/L

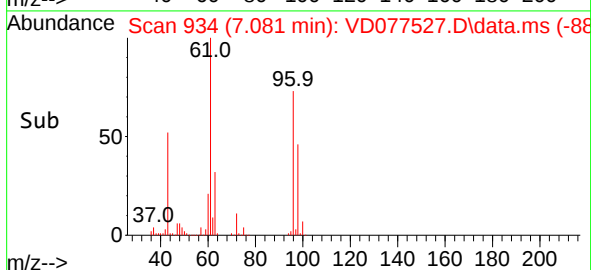
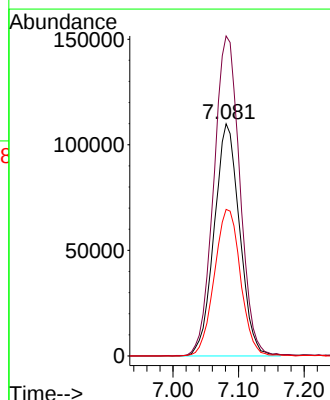
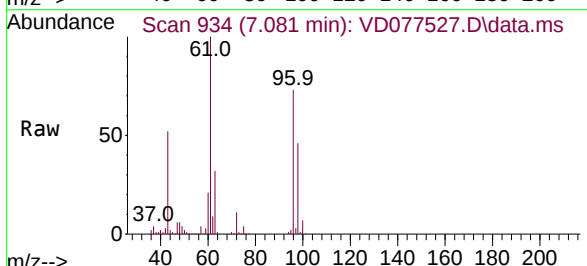
RT: 7.081 min Scan# 934

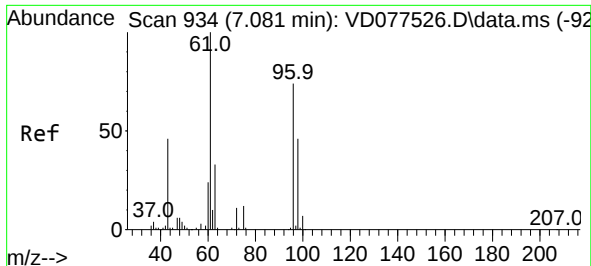
Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

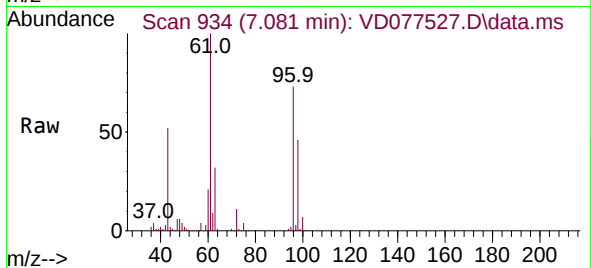
Tgt Ion: 96	Resp: 296108
Ion Ratio	Lower Upper
96 100	
61 137.8	95.0 176.4
98 63.2	43.1 80.1



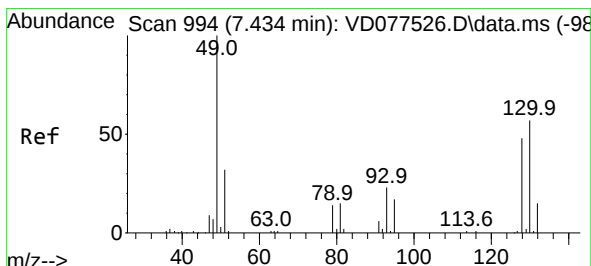
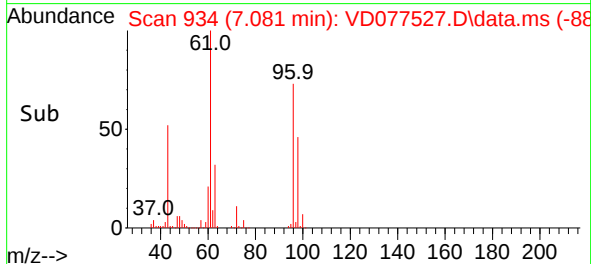
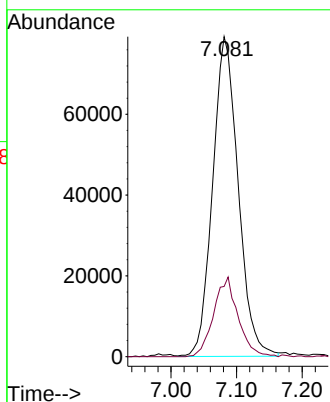


#22
2-Butanone
Concen: 103.209 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Instrument :
MSVOA_D
ClientSampleId :

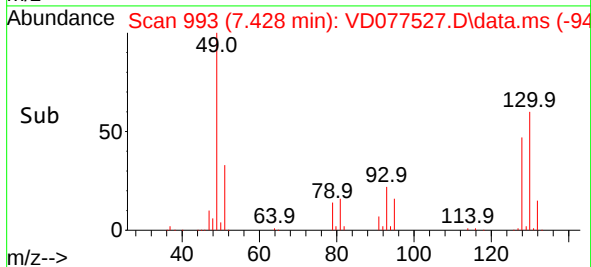
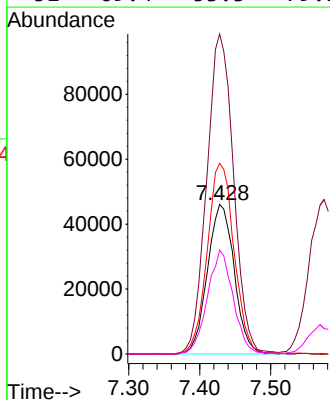
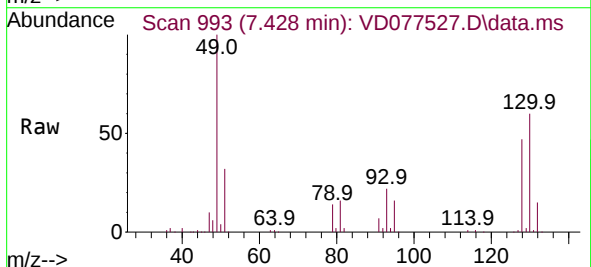


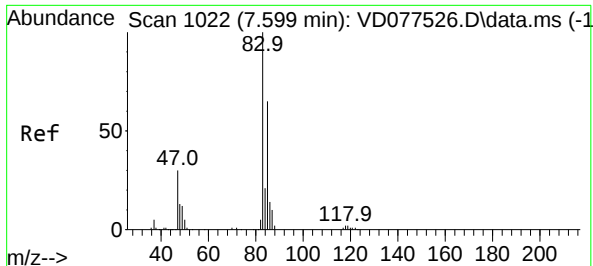
Tgt Ion: 43 Resp: 213704
Ion Ratio Lower Upper
43 100
72 23.8 12.8 38.4



#23
Bromochloromethane
Concen: 50.268 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion:128 Resp: 120626
Ion Ratio Lower Upper
128 100
49 214.0 146.7 272.5
130 127.4 83.2 154.6
51 69.4 53.3 79.9





#25

Chloroform

Concen: 49.460 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

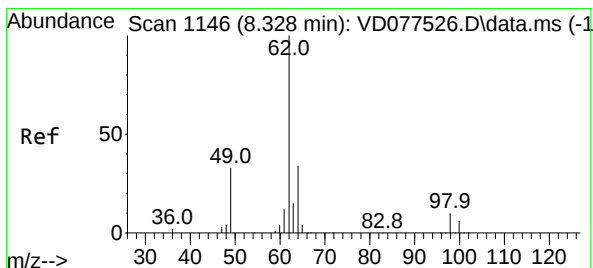
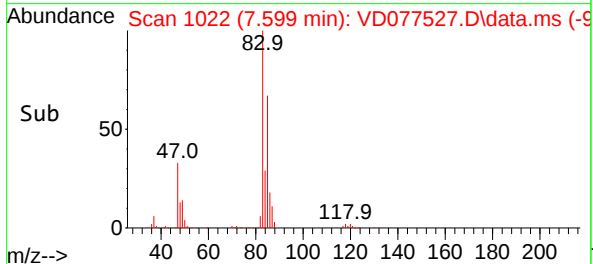
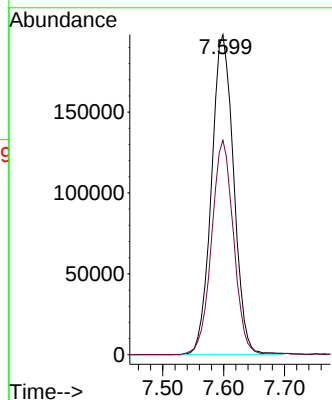
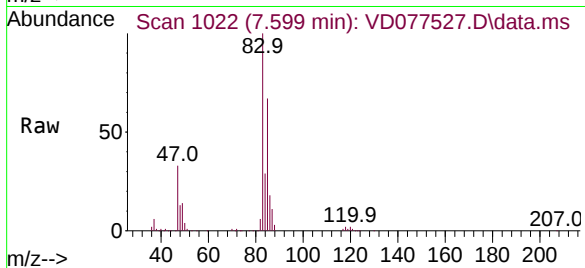
ClientSampleId :

Tgt Ion: 83 Resp: 501115

Ion Ratio Lower Upper

83 100

85 67.0 45.9 85.3



#27

1,2-Dichloroethane

Concen: 50.135 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077527.D

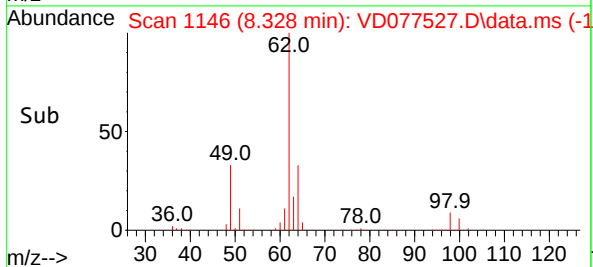
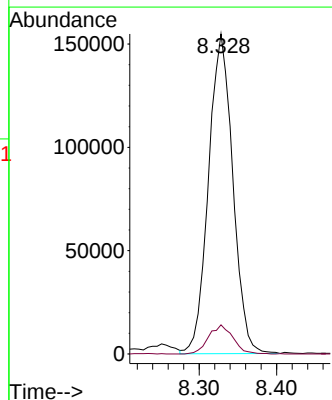
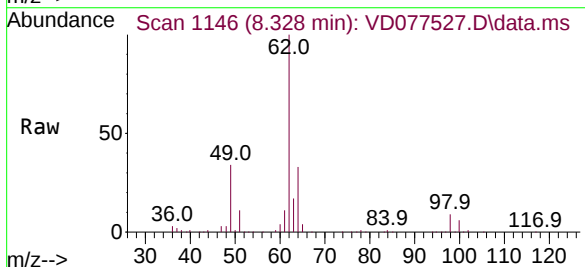
Acq: 09 Nov 2023 10:12

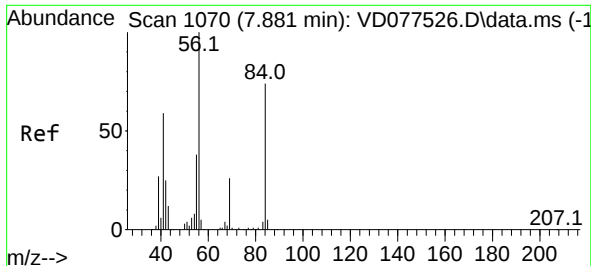
Tgt Ion: 62 Resp: 336721

Ion Ratio Lower Upper

62 100

98 9.1 8.0 12.0





#29

Cyclohexane

Concen: 49.465 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

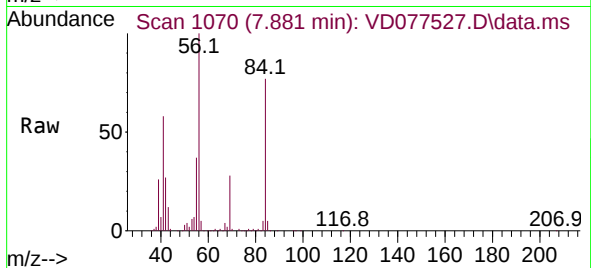
Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :



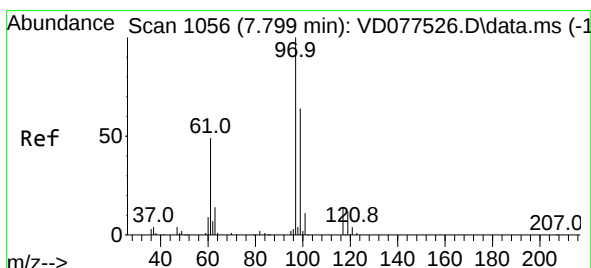
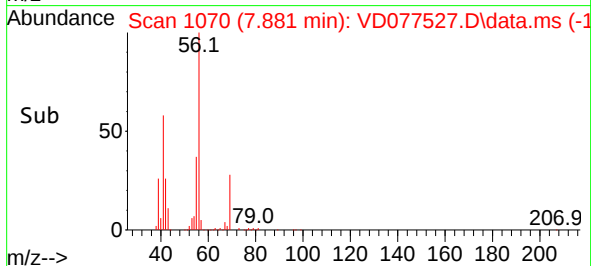
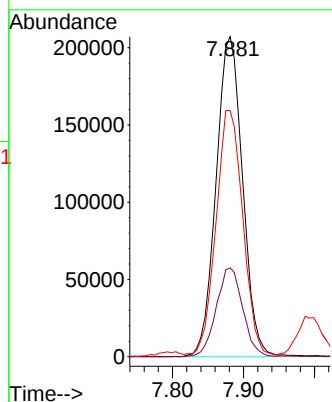
Tgt Ion: 56 Resp: 536340

Ion Ratio Lower Upper

56 100

69 27.6 22.6 33.8

84 78.0 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 49.144 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

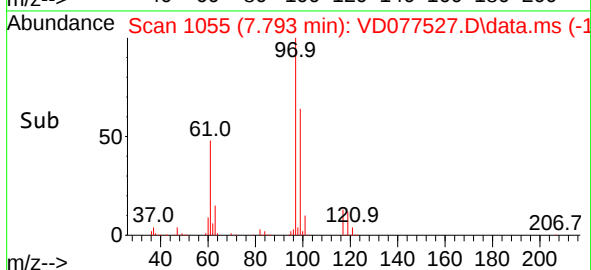
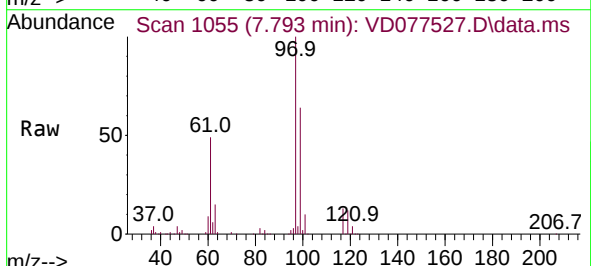
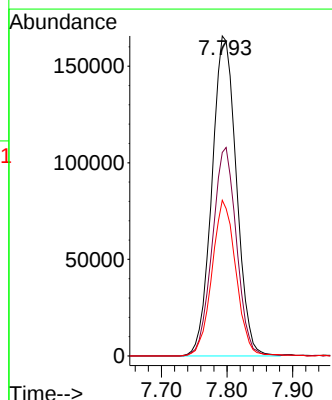
Tgt Ion: 97 Resp: 429638

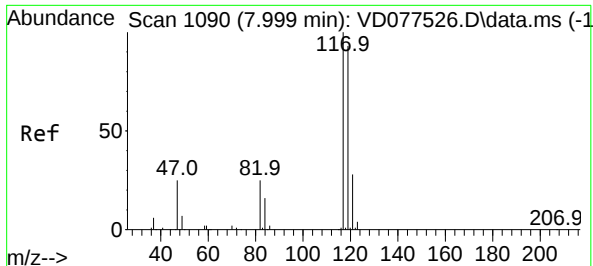
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

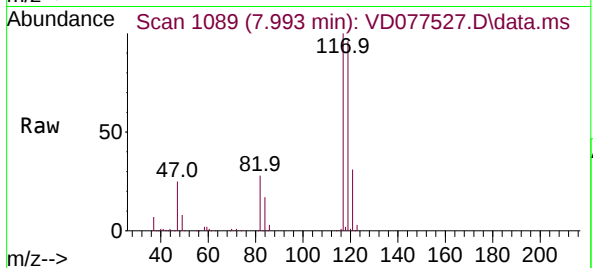
61 47.4 38.1 57.1



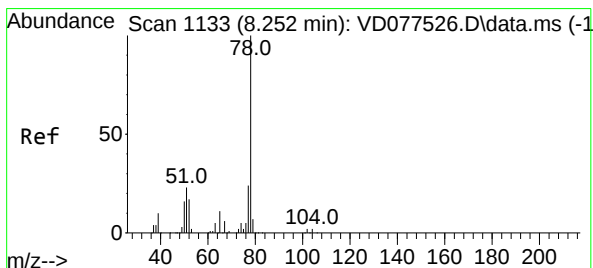
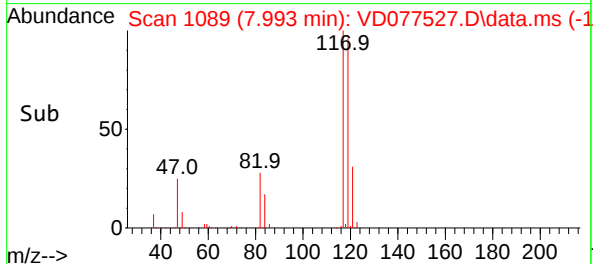
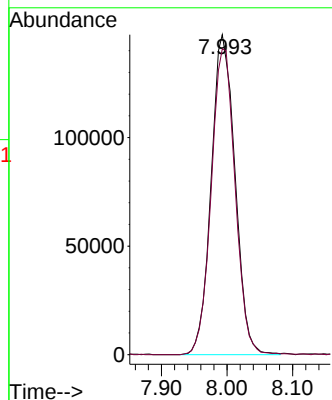


#31
Carbon tetrachloride
Concen: 49.539 ug/L
RT: 7.993 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Instrument :
MSVOA_D
ClientSampleId :

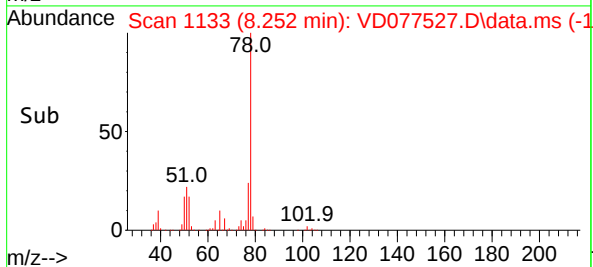
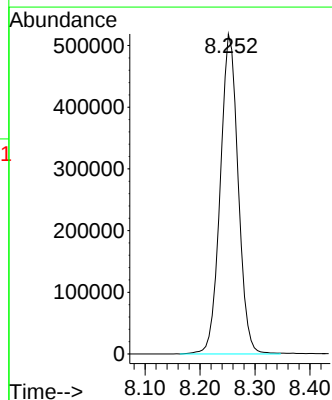
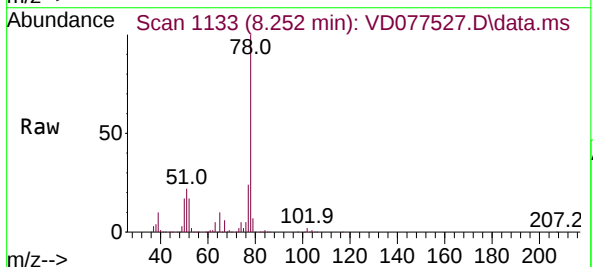


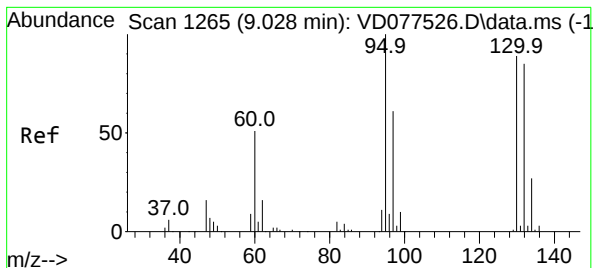
Tgt Ion:117 Resp: 372201
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.0



#33
Benzene
Concen: 50.722 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion: 78 Resp: 1174634





#34

Trichloroethene

Concen: 50.454 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 289525

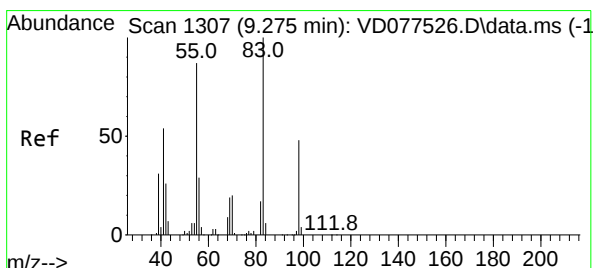
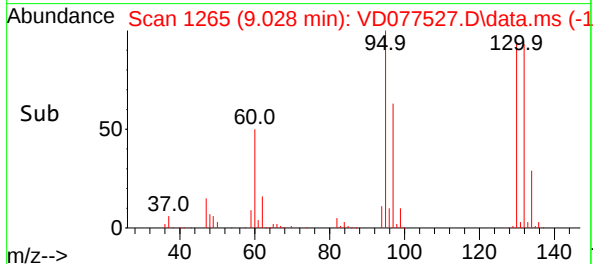
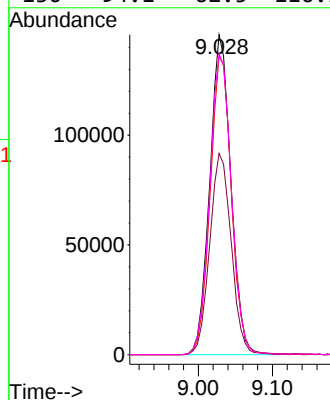
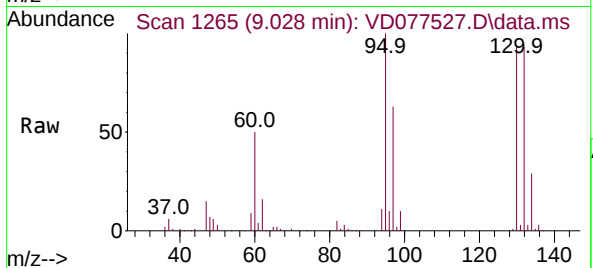
Ion Ratio Lower Upper

95 100

97 62.9 42.4 78.6

132 93.3 59.4 110.2

130 94.1 62.5 116.1



#35

Methylcyclohexane

Concen: 50.308 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

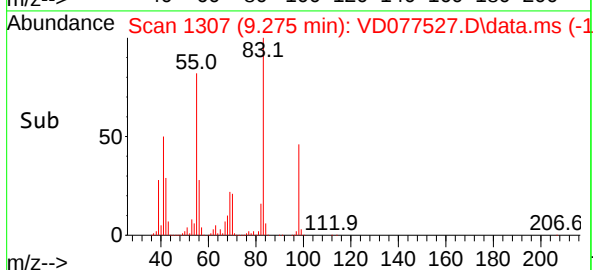
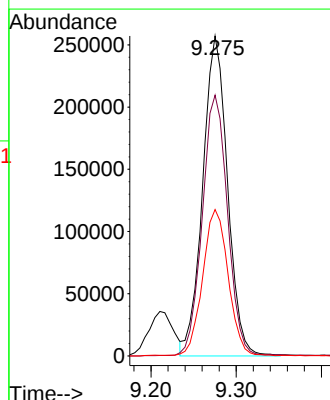
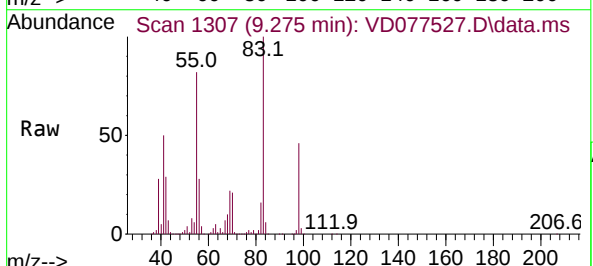
Tgt Ion: 83 Resp: 520718

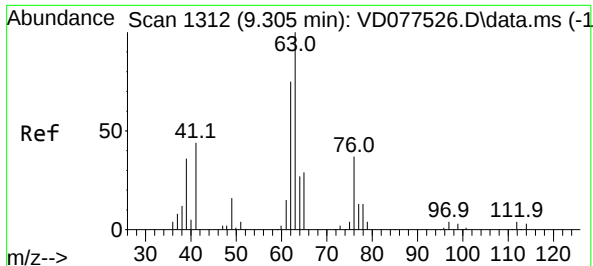
Ion Ratio Lower Upper

83 100

55 82.5 66.5 99.7

98 47.3 37.4 56.2





#37

1,2-Dichloropropane

Concen: 50.202 ug/L

RT: 9.304 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

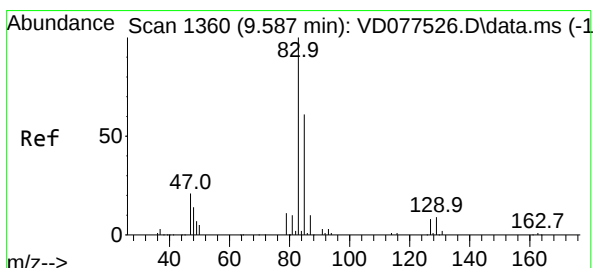
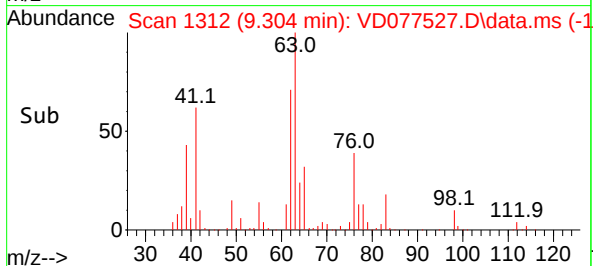
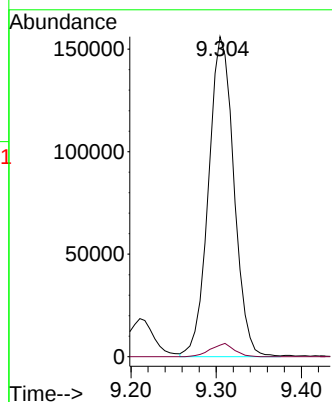
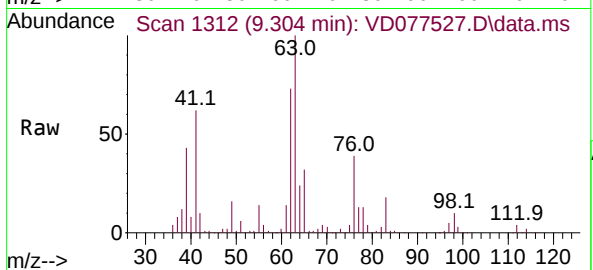
ClientSampleId :

Tgt Ion: 63 Resp: 323200

Ion Ratio Lower Upper

63 100

112 3.8 3.2 4.8



#38

Bromodichloromethane

Concen: 49.982 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

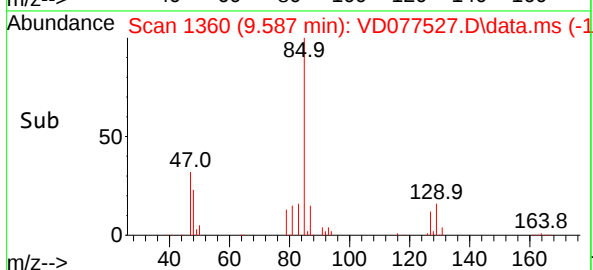
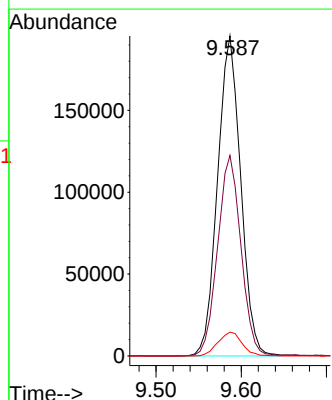
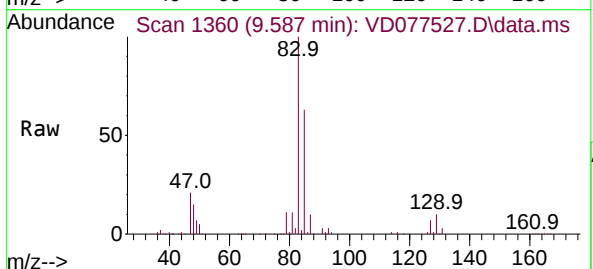
Tgt Ion: 83 Resp: 369096

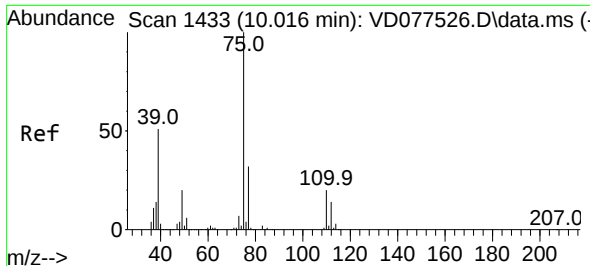
Ion Ratio Lower Upper

83 100

85 62.7 42.4 78.8

127 7.5 6.4 9.6

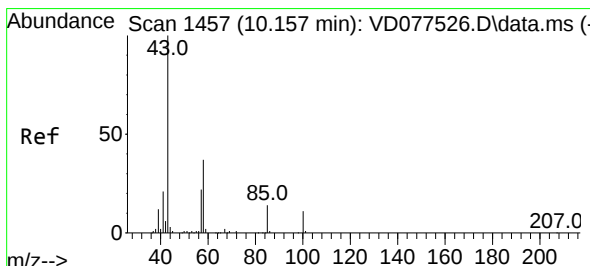
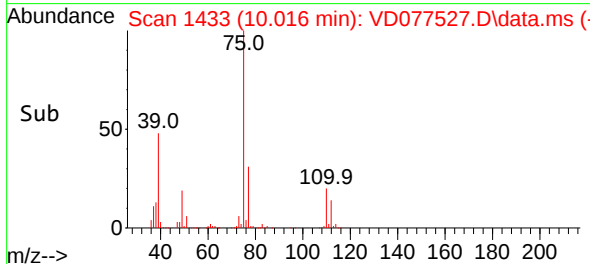
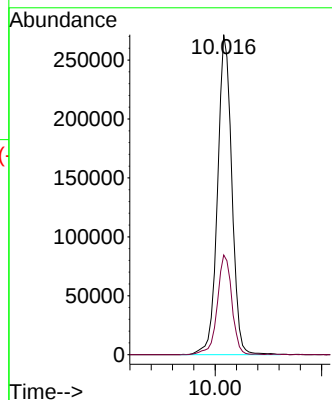
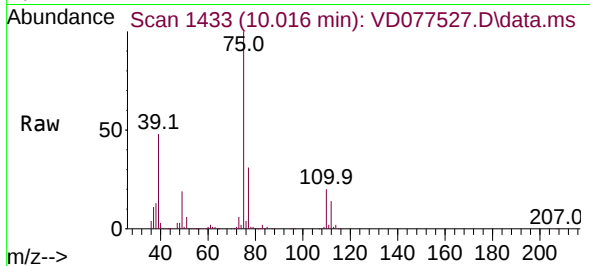




#39
 cis-1,3-Dichloropropene
 Concen: 50.922 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

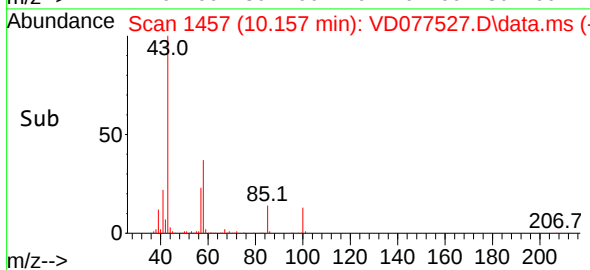
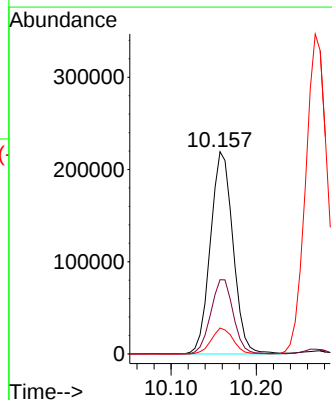
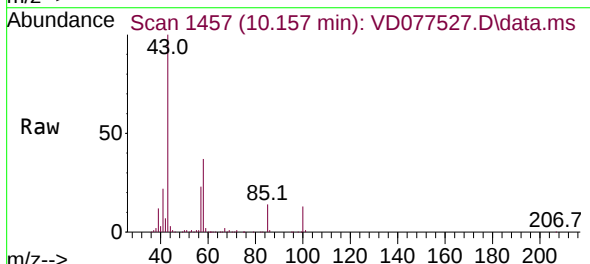
Instrument :
 MSVOA_D
 ClientSampleId :

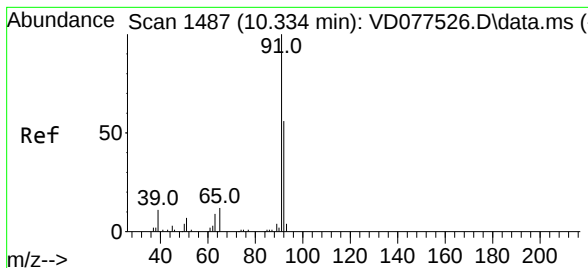
Tgt Ion: 75 Resp: 503771
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 103.085 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

Tgt Ion: 43 Resp: 404431
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.8 44.8
 100 12.4 9.5 14.3





#42

Toluene

Concen: 50.646 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

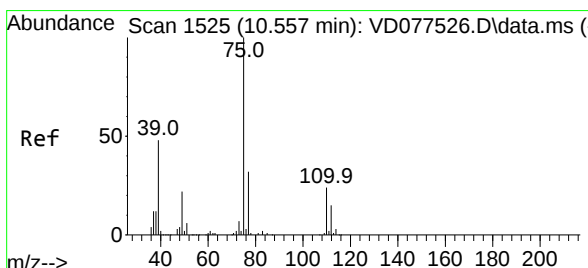
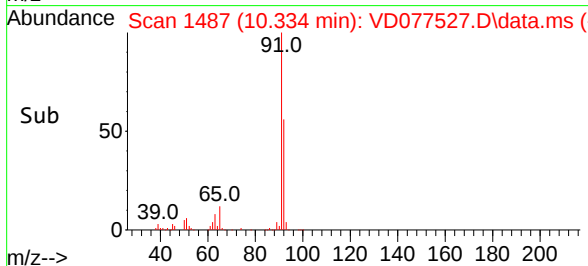
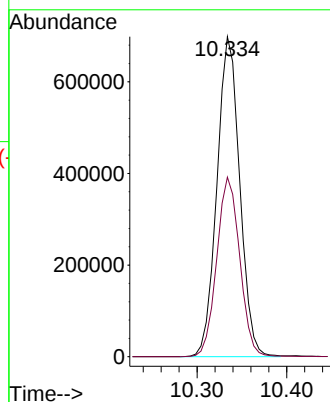
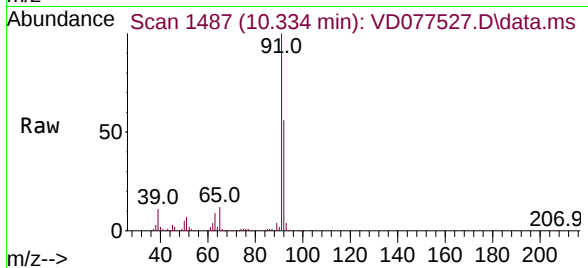
ClientSampleId :

Tgt Ion: 91 Resp: 1231415

Ion Ratio Lower Upper

91 100

92 56.1 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 51.902 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD077527.D

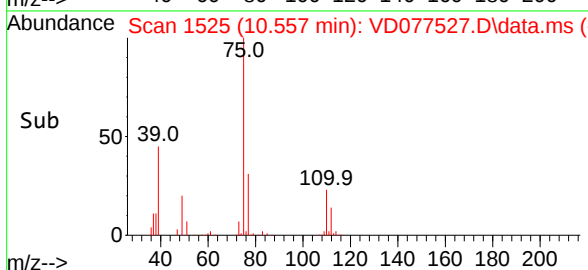
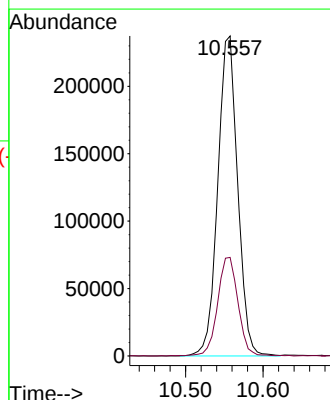
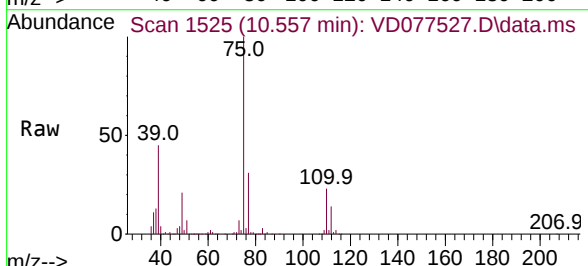
Acq: 09 Nov 2023 10:12

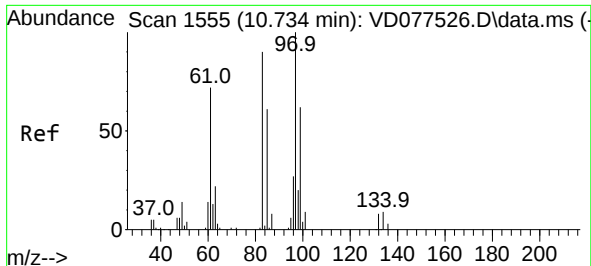
Tgt Ion: 75 Resp: 424271

Ion Ratio Lower Upper

75 100

77 30.8 22.3 41.5

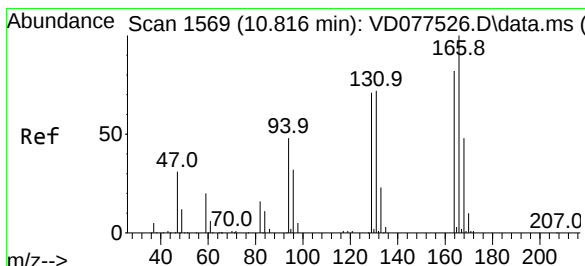
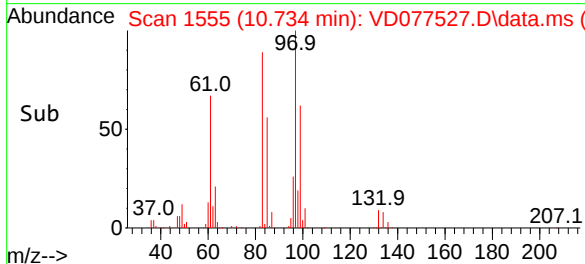
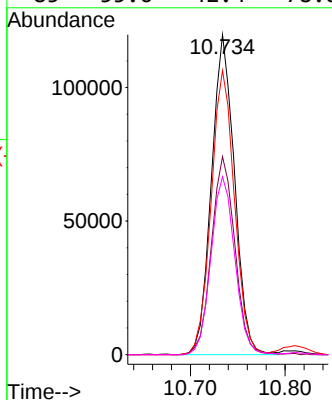
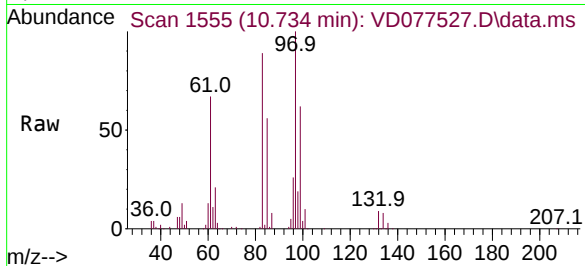




#45
1,1,2-Trichloroethane
Concen: 51.578 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

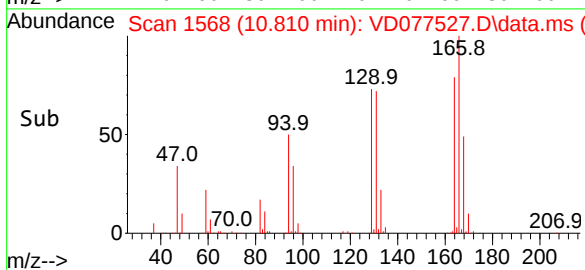
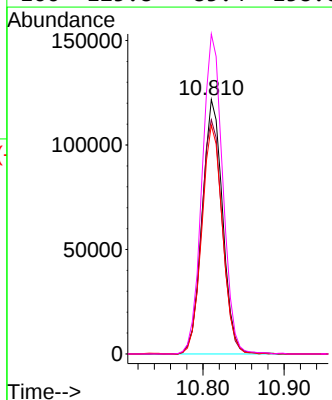
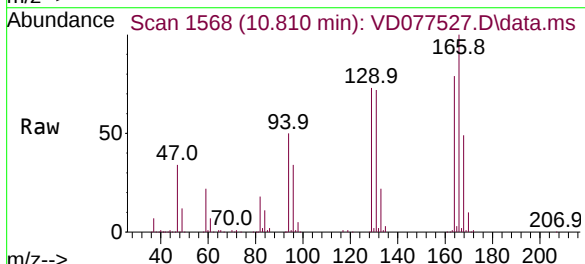
Instrument :
MSVOA_D
ClientSampleId :

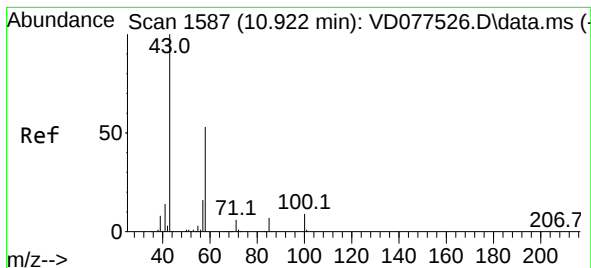
Tgt Ion:	97	Resp:	202978
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.5	80.7
83	88.8	63.1	117.3
85	55.6	42.4	78.8



#46
Tetrachloroethene
Concen: 50.494 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion:	164	Resp:	213199
Ion	Ratio	Lower	Upper
164	100		
129	92.1	60.6	112.6
131	89.9	61.6	114.4
166	125.8	85.4	158.6





#48

2-Hexanone

Concen: 106.452 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

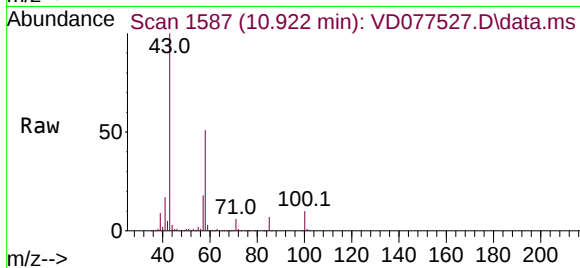
Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 331037

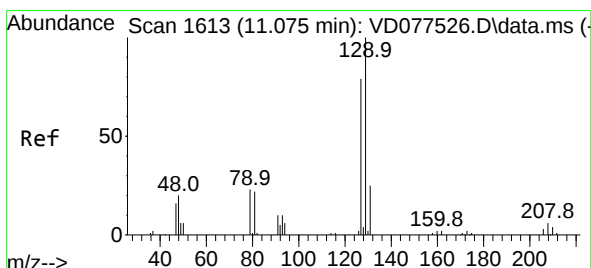
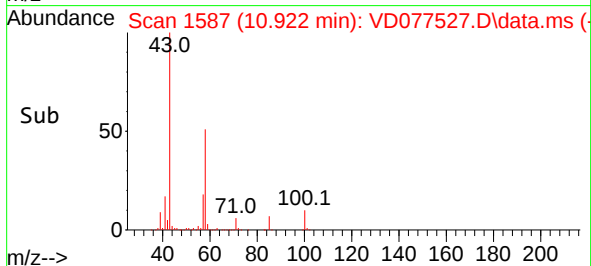
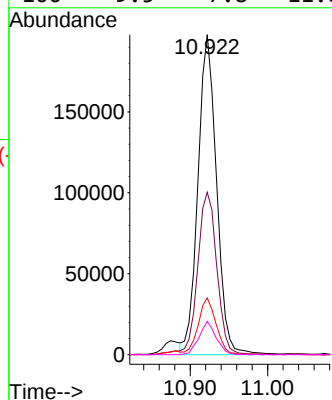
Ion Ratio Lower Upper

43 100

58 52.5 40.8 61.2

57 17.1 13.7 20.5

100 9.5 7.8 11.8



#49

Dibromochloromethane

Concen: 51.195 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD077527.D

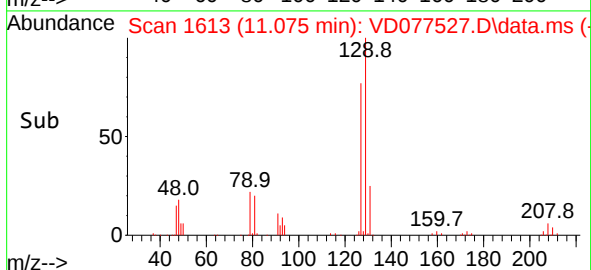
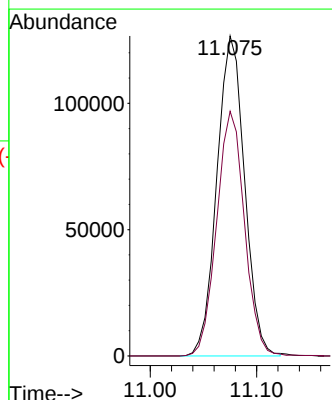
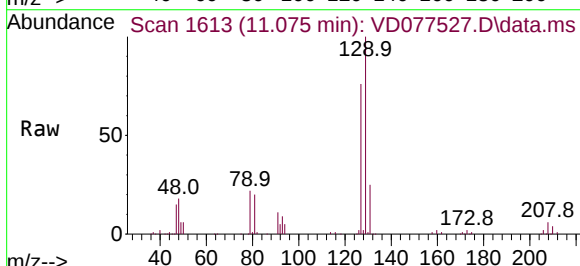
Acq: 09 Nov 2023 10:12

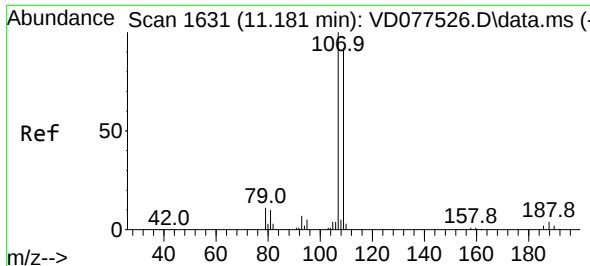
Tgt Ion:129 Resp: 228852

Ion Ratio Lower Upper

129 100

127 76.5 54.9 102.1

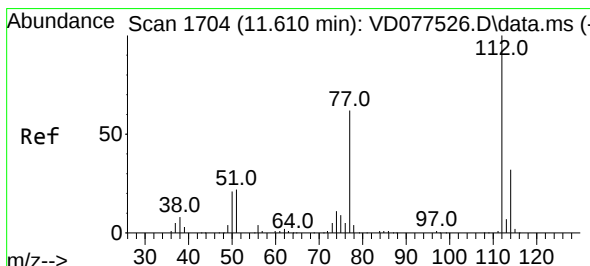
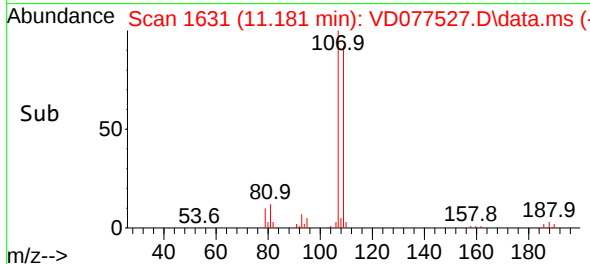
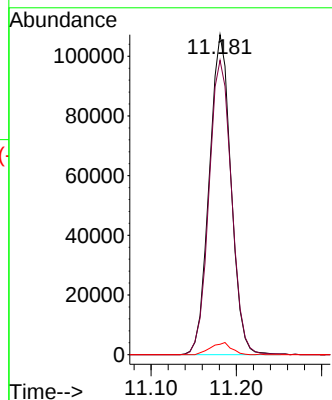
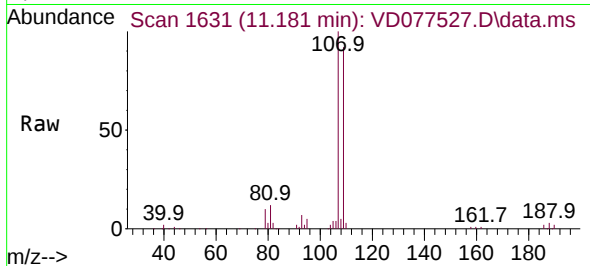




#50
1,2-Dibromoethane
Concen: 50.462 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

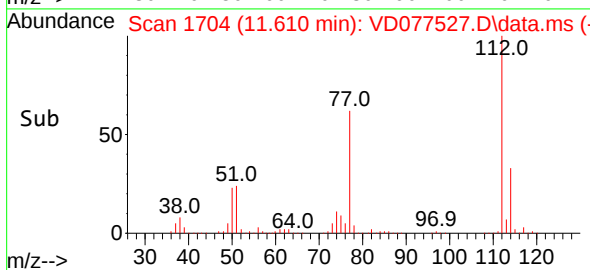
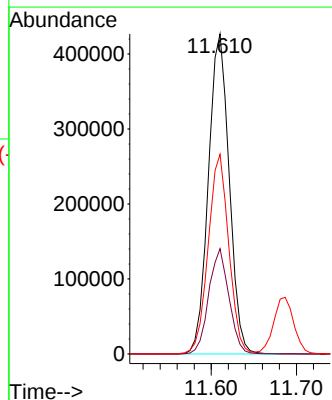
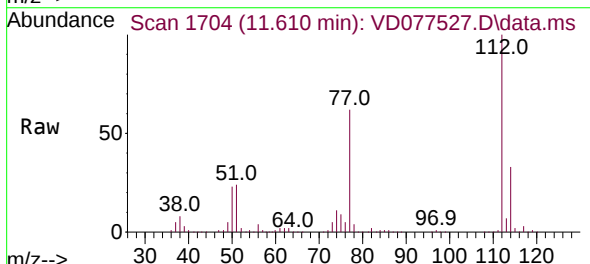
Instrument :
MSVOA_D
ClientSampleId :

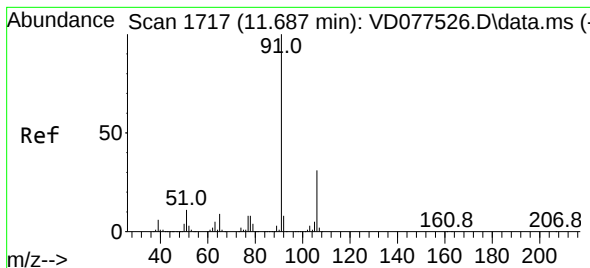
Tgt Ion:107 Resp: 189903
Ion Ratio Lower Upper
107 100
109 92.0 64.8 120.3
188 3.3 3.2 4.8



#51
Chlorobenzene
Concen: 50.797 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion:112 Resp: 723576
Ion Ratio Lower Upper
112 100
114 32.9 22.4 41.6
77 62.4 49.6 74.4

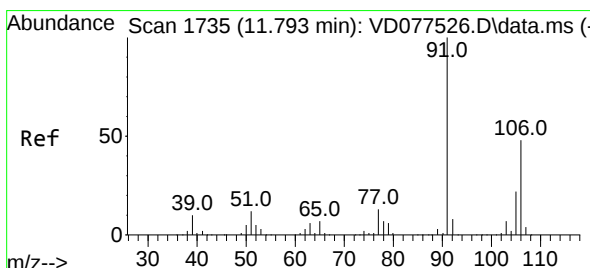
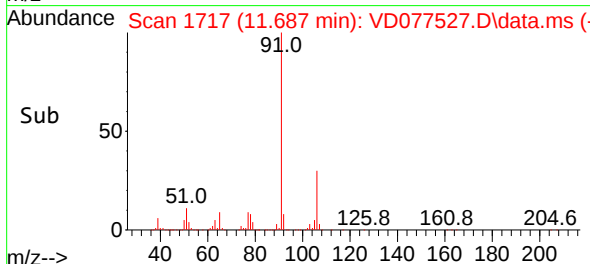
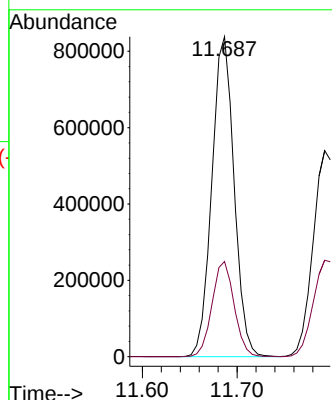
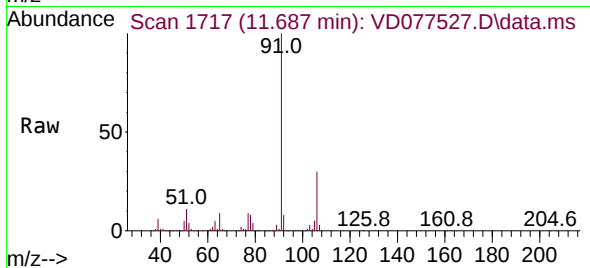




#52
Ethylbenzene
Concen: 51.051 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

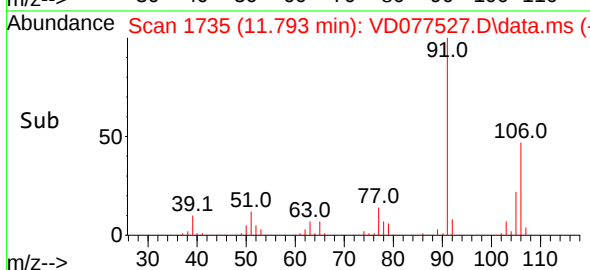
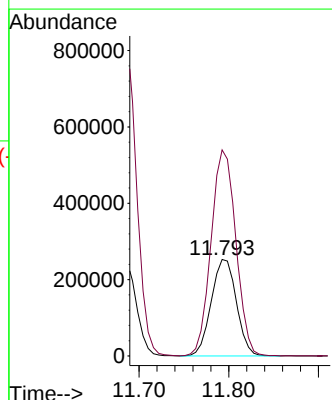
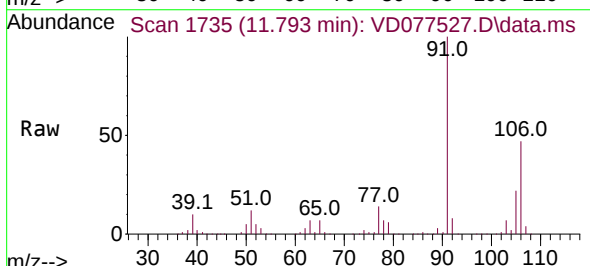
Instrument :
MSVOA_D
ClientSampleId :

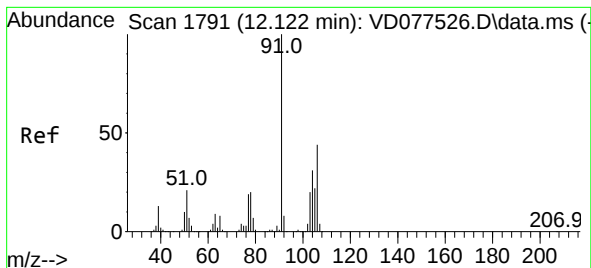
Tgt Ion: 91 Resp: 1365777
Ion Ratio Lower Upper
91 100
106 29.8 22.0 40.8



#53
m,p-Xylene
Concen: 50.559 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion: 106 Resp: 492210
Ion Ratio Lower Upper
106 100
91 213.6 146.7 272.4





#54

o-Xylene

Concen: 51.938 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

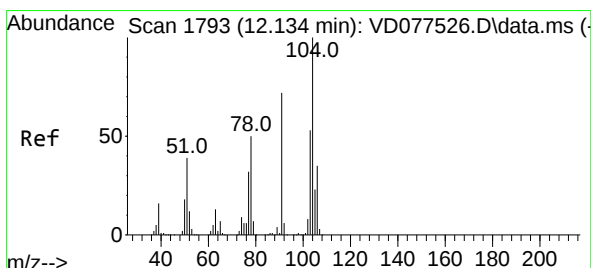
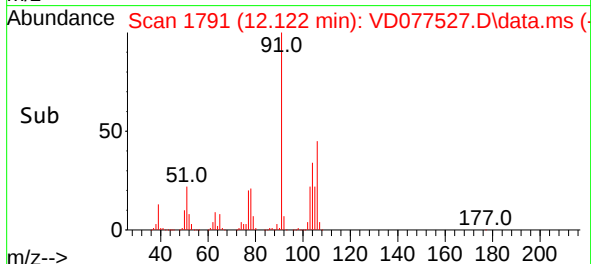
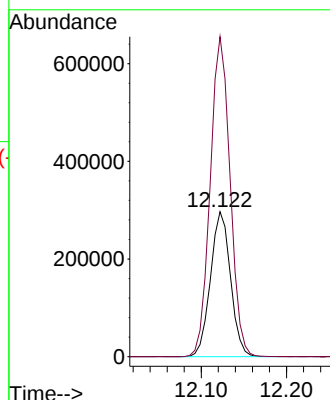
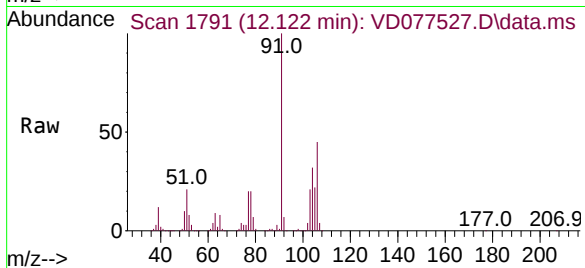
ClientSampleId :

Tgt Ion:106 Resp: 484273

Ion Ratio Lower Upper

106 100

91 220.9 158.5 294.4



#55

Styrene

Concen: 52.426 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD077527.D

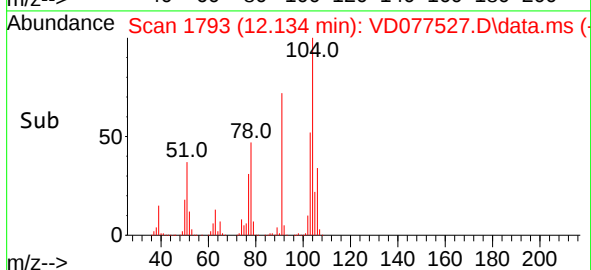
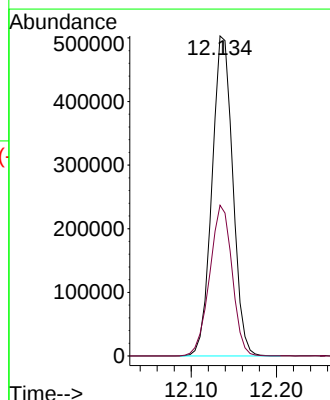
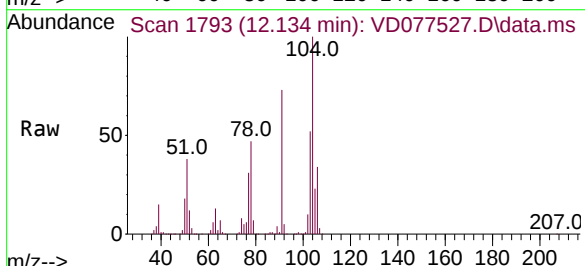
Acq: 09 Nov 2023 10:12

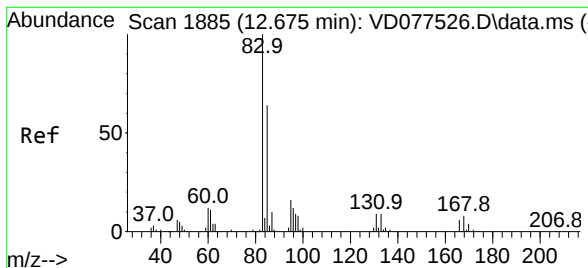
Tgt Ion:104 Resp: 853502

Ion Ratio Lower Upper

104 100

78 47.1 34.9 64.9

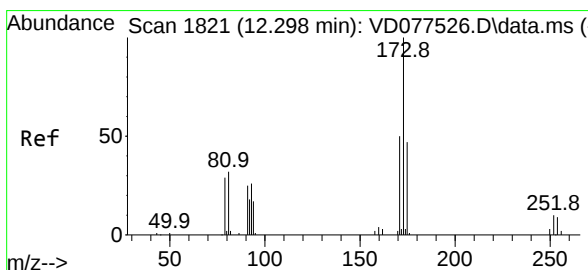
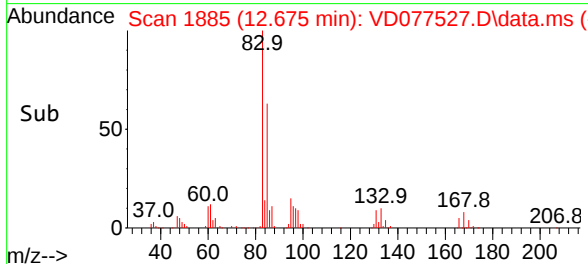
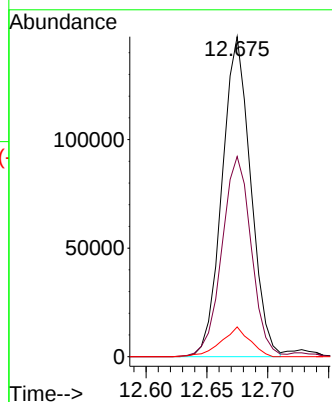
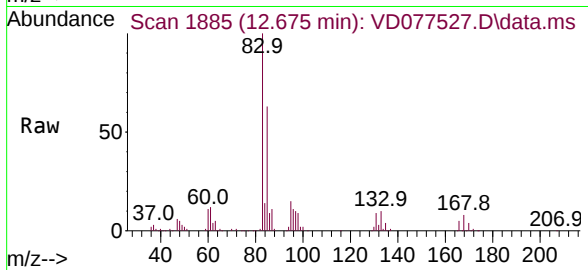




#57
1,1,2,2-Tetrachloroethane
Concen: 51.883 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

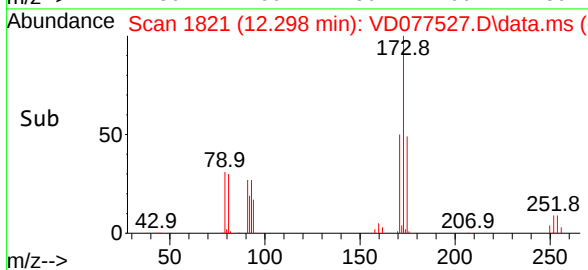
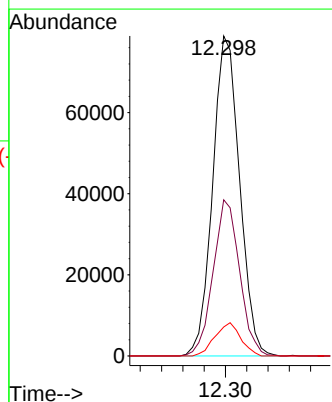
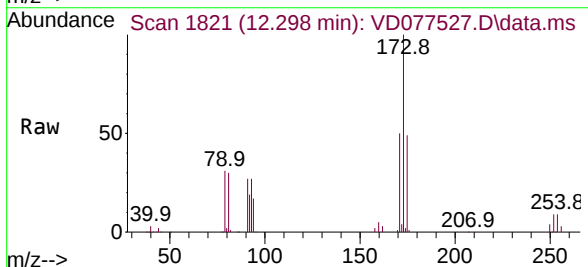
Instrument :
MSVOA_D
ClientSampleId :

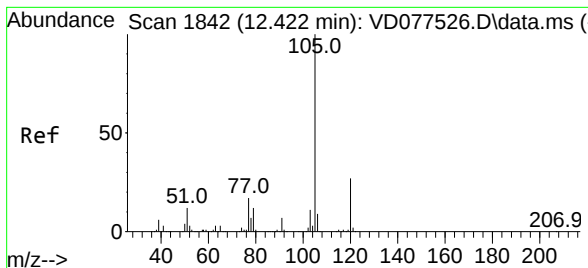
Tgt Ion: 83 Resp: 240529
Ion Ratio Lower Upper
83 100
85 62.6 44.9 83.3
131 9.3 7.2 10.8



#59
Bromoform
Concen: 49.795 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion:173 Resp: 138254
Ion Ratio Lower Upper
173 100
175 47.9 38.2 57.2
254 10.0 7.1 10.7





#60

Isopropylbenzene

Concen: 49.954 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

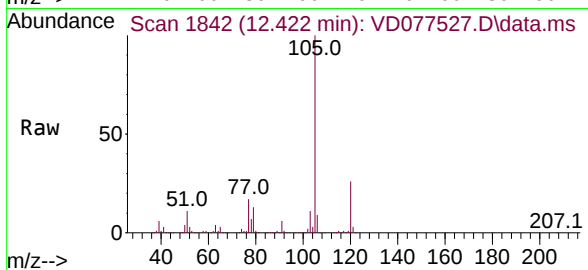
Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :



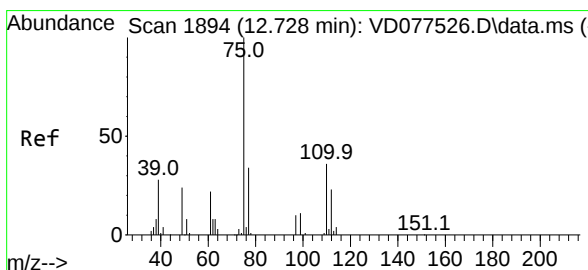
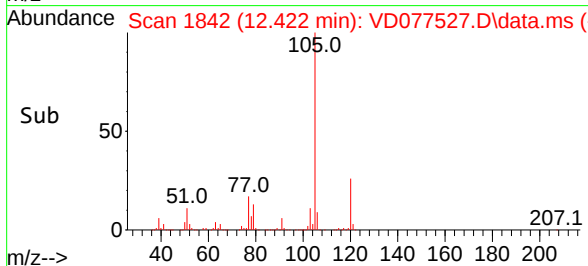
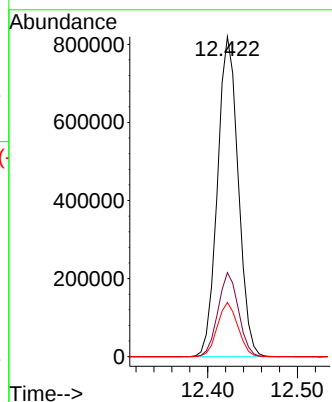
Tgt Ion:105 Resp: 1315829

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

77 16.7 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 49.191 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

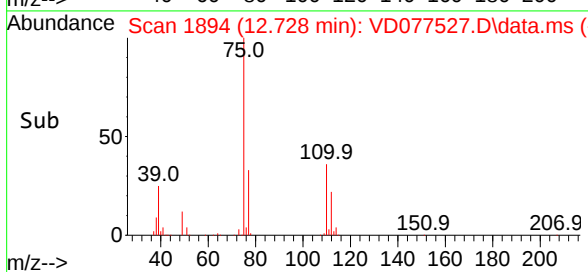
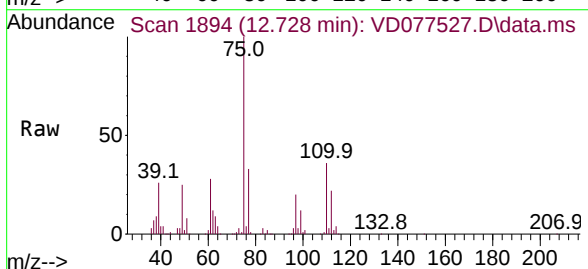
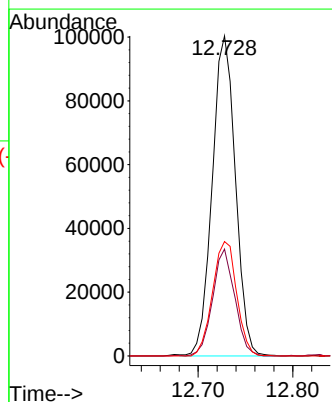
Tgt Ion: 75 Resp: 170633

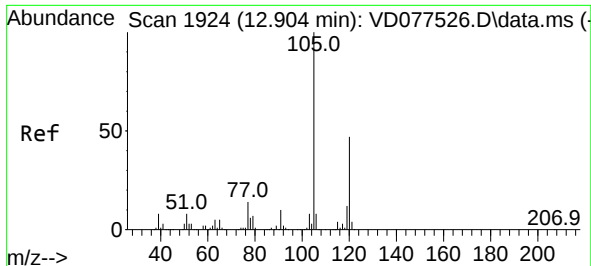
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

110 37.1 29.6 44.4

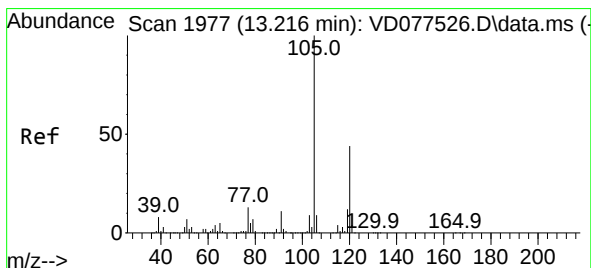
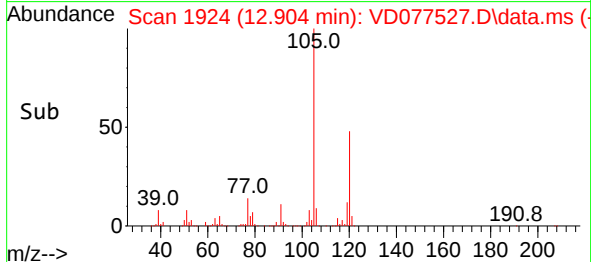
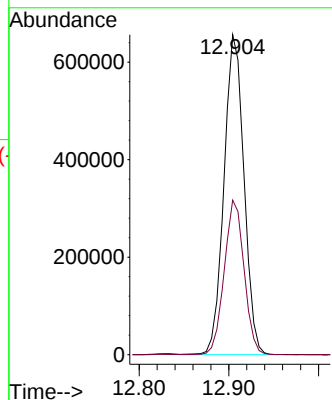
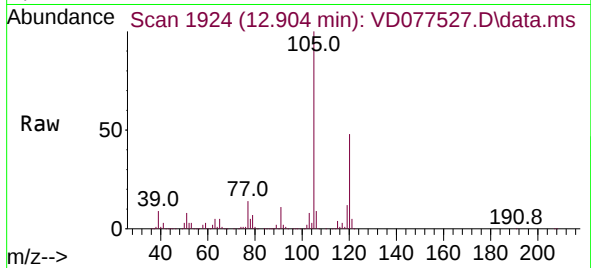




#62
 1,3,5-Trimethylbenzene
 Concen: 50.732 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

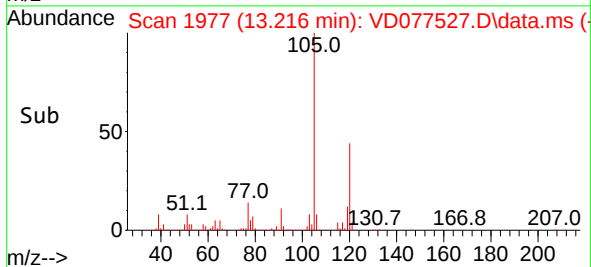
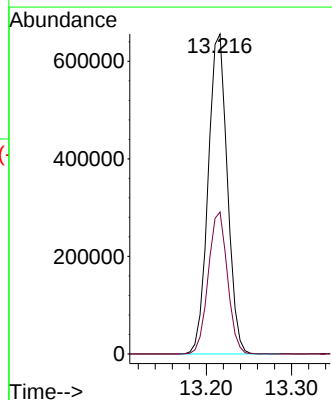
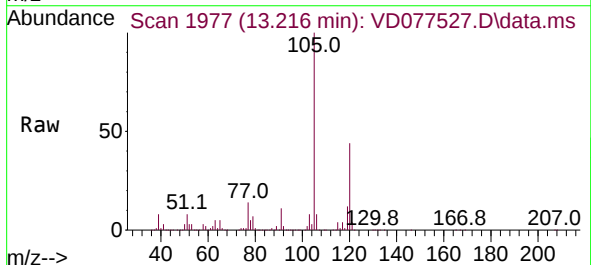
Instrument :
 MSVOA_D
 ClientSampleId :

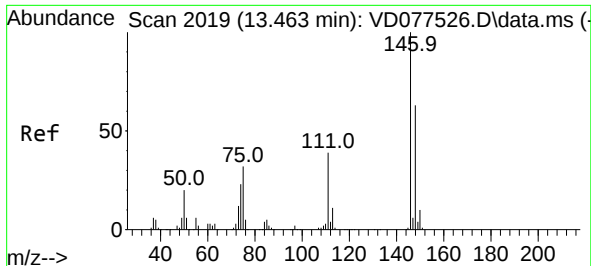
Tgt Ion:105 Resp: 1014201
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 50.670 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD077527.D
 Acq: 09 Nov 2023 10:12

Tgt Ion:105 Resp: 1026102
 Ion Ratio Lower Upper
 105 100
 120 44.4 35.6 53.4

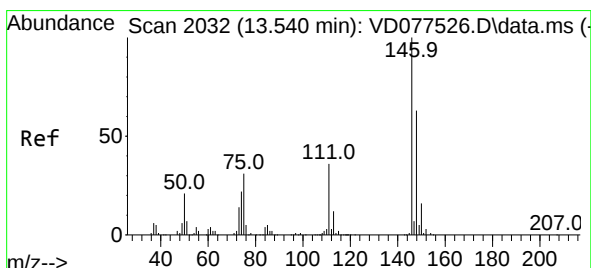
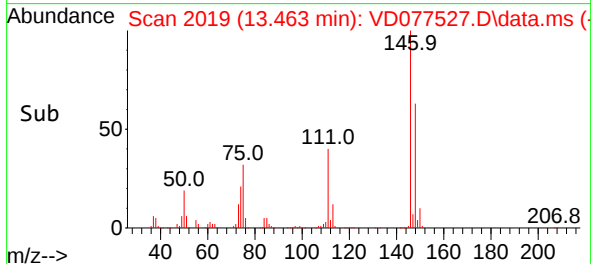
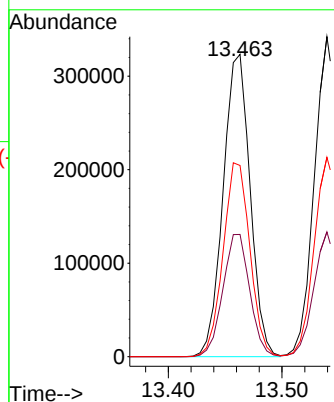
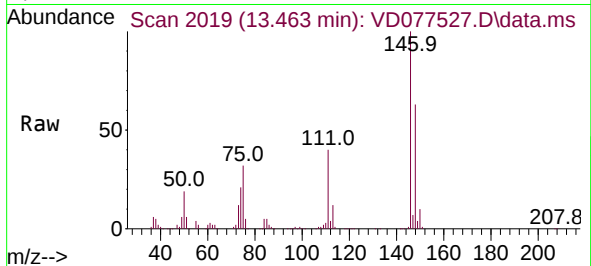




#64
1,3-Dichlorobenzene
Concen: 49.414 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

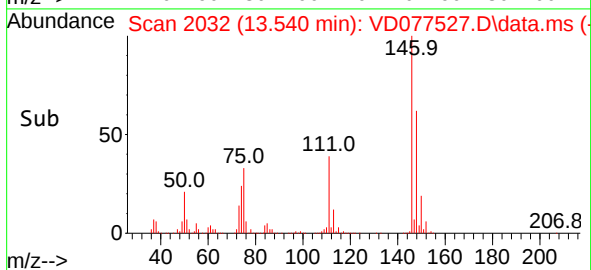
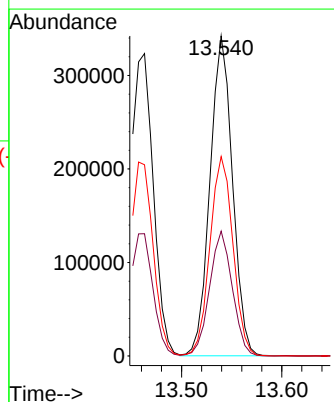
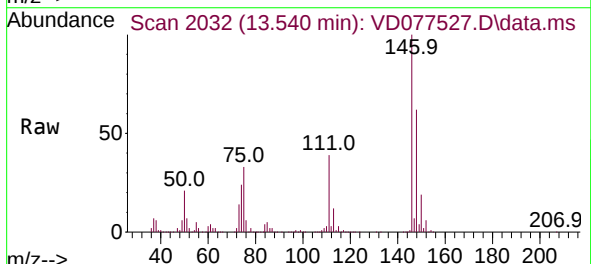
Instrument :
MSVOA_D
ClientSampleId :

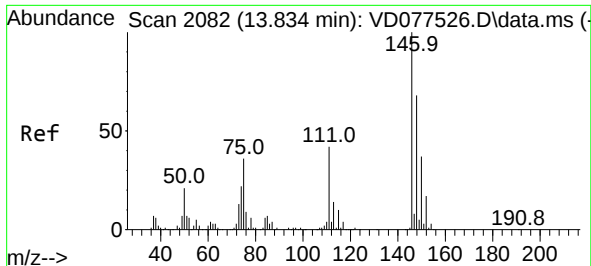
Tgt Ion:146 Resp: 533986
Ion Ratio Lower Upper
146 100
111 40.4 27.2 50.6
148 63.2 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 48.970 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077527.D
Acq: 09 Nov 2023 10:12

Tgt Ion:146 Resp: 534055
Ion Ratio Lower Upper
146 100
111 39.0 25.6 47.4
148 62.3 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 50.131 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :

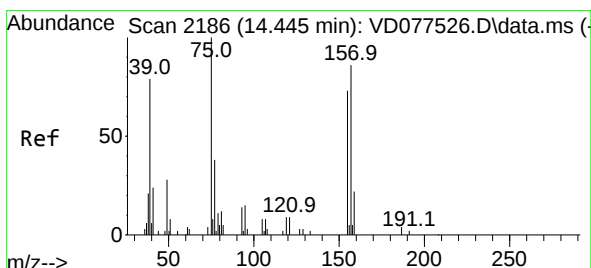
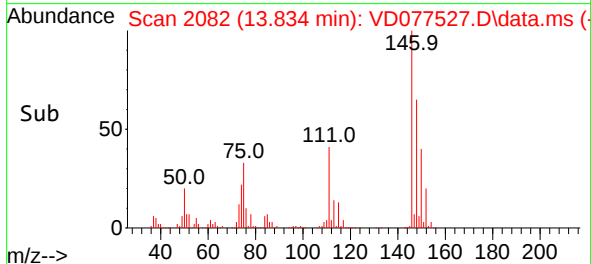
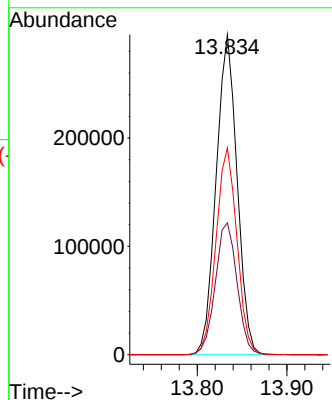
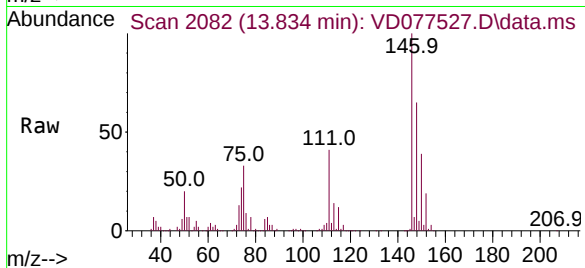
Tgt Ion:146 Resp: 478952

Ion Ratio Lower Upper

146 100

111 41.2 33.8 50.6

148 64.6 54.3 81.5



#68

1,2-Dibromo-3-chloropropane

Concen: 48.134 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

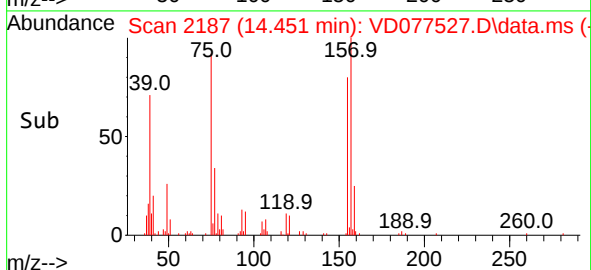
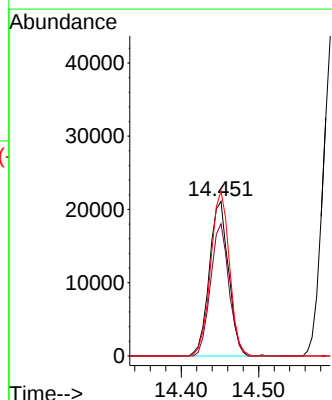
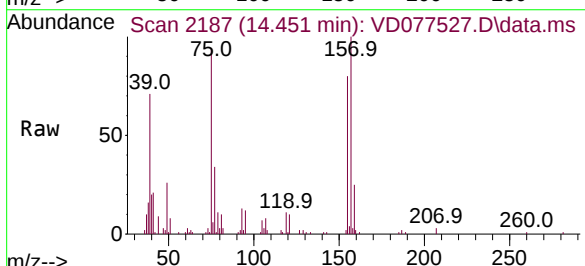
Tgt Ion: 75 Resp: 36318

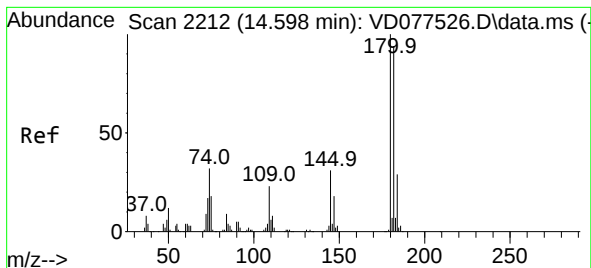
Ion Ratio Lower Upper

75 100

155 85.5 58.2 87.2

157 106.7 68.7 103.1#





#69

1,3,5-Trichlorobenzene

Concen: 49.731 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:180 Resp: 365922

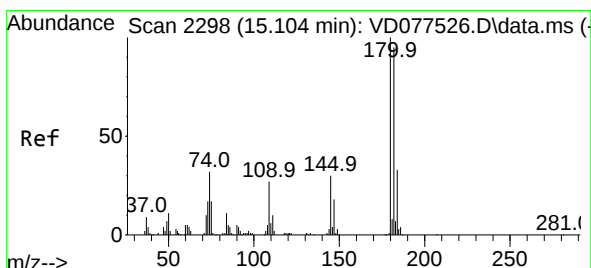
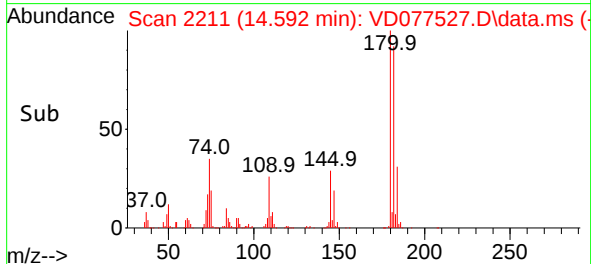
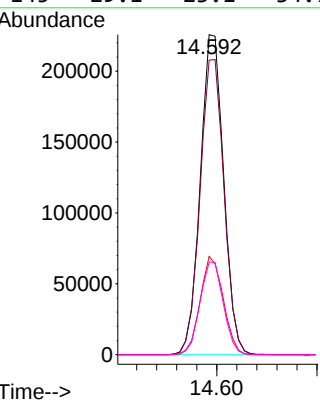
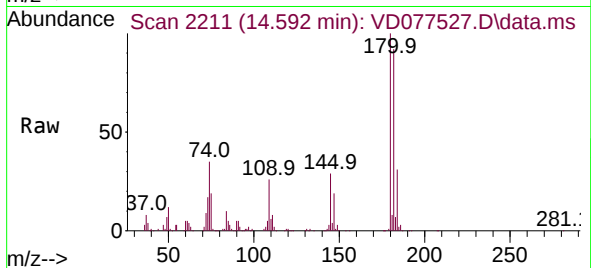
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

184 30.2 24.0 36.0

145 29.1 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 50.535 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

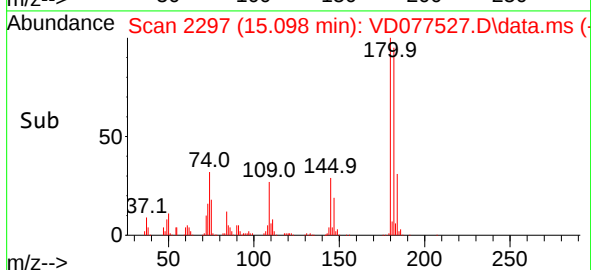
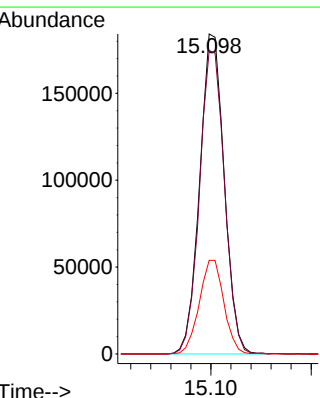
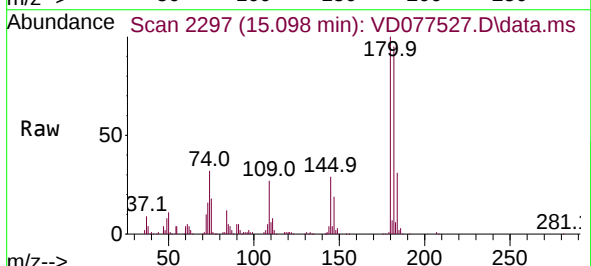
Tgt Ion:180 Resp: 313386

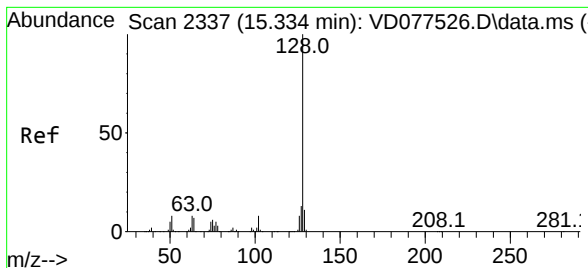
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 29.4 24.1 36.1





#71

Naphthalene

Concen: 52.192 ug/L

RT: 15.334 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Instrument :

MSVOA_D

ClientSampleId :

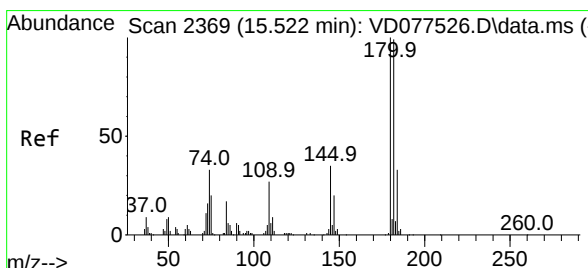
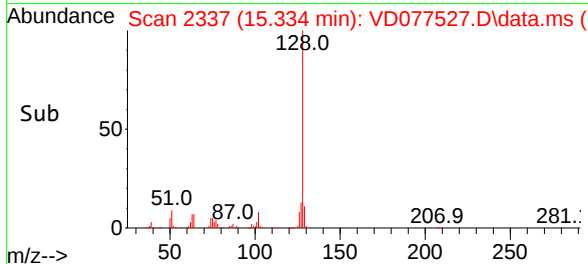
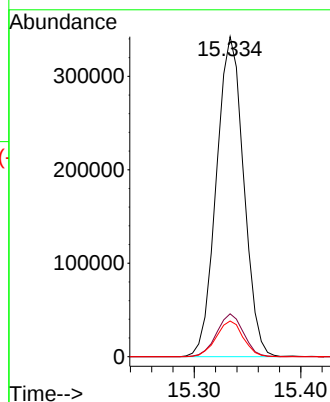
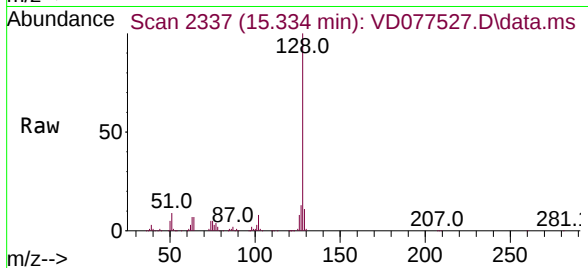
Tgt Ion:128 Resp: 609982

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.0 9.0 13.6



#72

1,2,3-Trichlorobenzene

Concen: 50.781 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD077527.D

Acq: 09 Nov 2023 10:12

Tgt Ion:180 Resp: 268510

Ion Ratio Lower Upper

180 100

182 95.1 76.8 115.2

145 31.4 26.0 39.0

