

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033123\
 Data File : VD075561.D
 Acq On : 31 Mar 2023 16:38
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 00:16:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM033123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 01 00:08:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	326835	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	299428	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	145622	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	220288	28.948	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.800%
7) Chloroethane-d5	2.805	69	194933	28.787	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.160%
11) 1,1-Dichloroethene-d2	3.922	63	169042	27.541	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	110.160%#
21) 2-Butanone-d5	6.987	46	28174	56.853	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.700%
24) Chloroform-d	7.569	84	210849	27.363	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.440%
26) 1,2-Dichloroethane-d4	8.234	65	89068	26.083	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.320%
32) Benzene-d6	8.204	84	450660	25.744	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.960%
36) 1,2-Dichloropropane-d6	9.210	67	119531	25.622	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.480%
41) Toluene-d8	10.269	98	425004	25.892	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.560%
43) trans-1,3-Dichloroprop...	10.528	79	49535	25.471	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.880%
47) 2-Hexanone-d5	10.881	63	26133	47.338	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.680%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	93139	26.650	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.600%
66) 1,2-Dichlorobenzene-d4	13.816	152	126866	25.397	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	72701	23.735	ug/L	99
3) Chloromethane	2.152	50	99597	24.848	ug/L	94
5) Vinyl chloride	2.287	62	154444	24.723	ug/L	99
6) Bromomethane	2.699	94	107634	25.252	ug/L	97
8) Chloroethane	2.840	64	110949	25.494	ug/L	94
9) Trichlorofluoromethane	3.181	101	132582	24.409	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	96508	25.576	ug/L #	87
12) 1,1-Dichloroethene	3.946	96	80058	25.683	ug/L	96
13) Acetone	4.022	43	27114	52.169	ug/L	99
14) Carbon disulfide	4.269	76	177047	23.740	ug/L	97
15) Methyl Acetate	4.563	43	24292	27.891	ug/L	100
16) Methylene chloride	4.805	84	101438	22.579	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	87049	26.304	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	173200	27.526	ug/L	99
19) 1,1-Dichloroethane	6.116	63	151101	26.637	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	103650	26.674	ug/L	94
22) 2-Butanone	7.081	43	33475	54.071	ug/L	98
23) Bromochloromethane	7.434	128	48435	26.435	ug/L	97
25) Chloroform	7.599	83	182870	26.913	ug/L	95

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

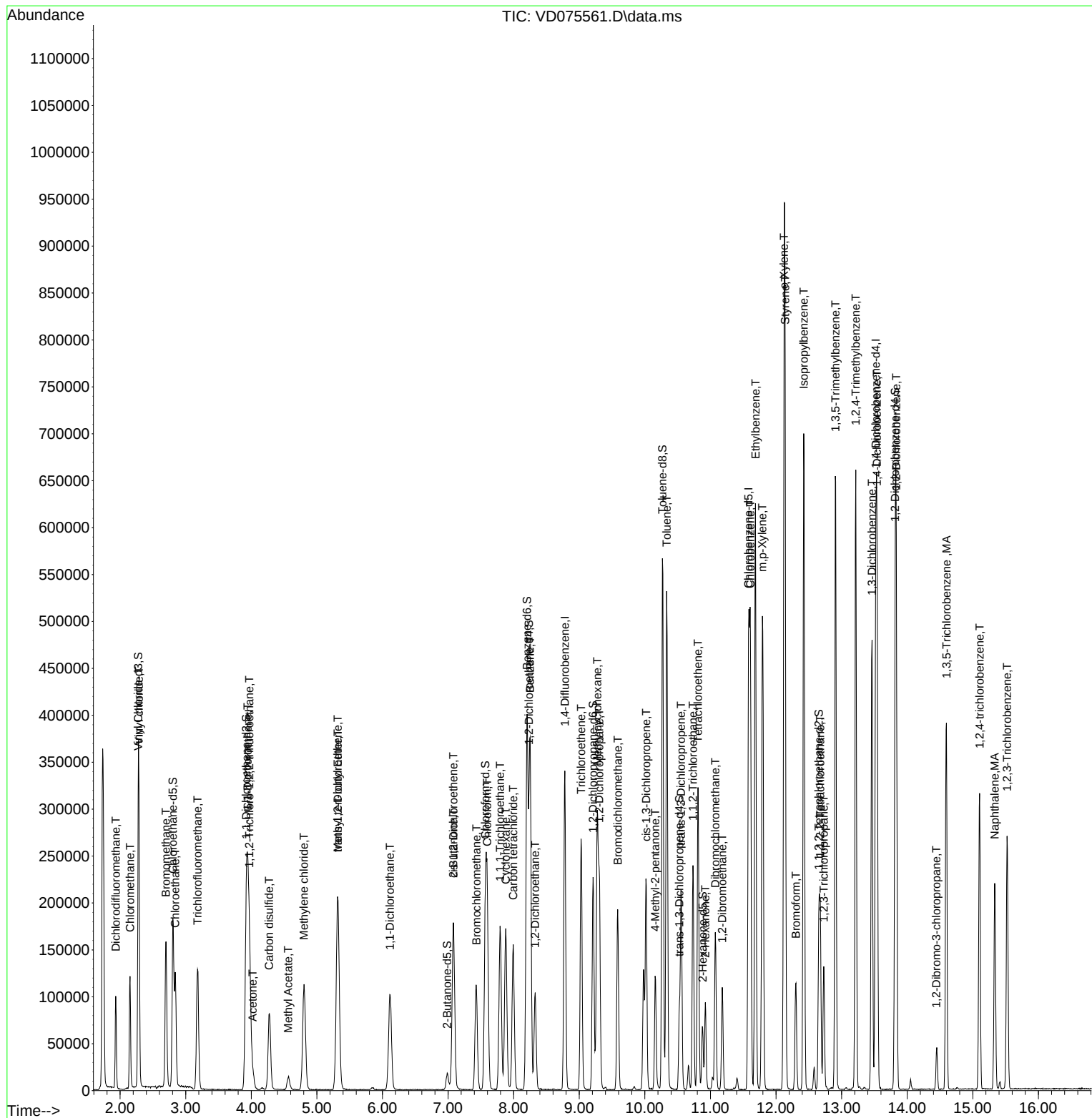
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	90274	25.704	ug/L	97
29) Cyclohexane	7.881	56	88398	24.192	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	147792	25.055	ug/L	99
31) Carbon tetrachloride	7.993	117	115349	24.224	ug/L	99
33) Benzene	8.251	78	368742	23.932	ug/L	100
34) Trichloroethene	9.028	95	99407	23.029	ug/L	98
35) Methylcyclohexane	9.275	83	135056	23.920	ug/L	99
37) 1,2-Dichloropropane	9.304	63	94198	25.986	ug/L	97
38) Bromodichloromethane	9.587	83	132206	25.607	ug/L	96
39) cis-1,3-Dichloropropene	10.022	75	147266	25.622	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	69121	50.873	ug/L	100
42) Toluene	10.334	91	431844	25.226	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	124189	25.414	ug/L	100
45) 1,1,2-Trichloroethane	10.734	97	82462	24.789	ug/L	96
46) Tetrachloroethene	10.810	164	77158	22.823	ug/L	97
48) 2-Hexanone	10.922	43	49657	54.229	ug/L	97
49) Dibromochloromethane	11.075	129	92084	25.568	ug/L	97
50) 1,2-Dibromoethane	11.181	107	73032	25.057	ug/L	96
51) Chlorobenzene	11.610	112	281708	24.434	ug/L	95
52) Ethylbenzene	11.687	91	469177	26.063	ug/L	100
53) m,p-Xylene	11.792	106	183838	26.043	ug/L	90
54) o-Xylene	12.122	106	180785	26.896	ug/L	99
55) Styrene	12.139	104	328791	27.452	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	91367	26.614	ug/L	92
59) Bromoform	12.304	173	54076	24.011	ug/L	98
60) Isopropylbenzene	12.422	105	482324	25.086	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	55953	24.276	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	364190	25.112	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	362003	26.103	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	214896	24.683	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	219428	24.163	ug/L	100
67) 1,2-Dichlorobenzene	13.834	146	196540	24.925	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.445	75	10892	23.466	ug/L #	83
69) 1,3,5-Trichlorobenzene	14.598	180	130656	24.335	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	105551	24.283	ug/L	99
71) Naphthalene	15.333	128	198101	24.650	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	94999	24.399	ug/L	98

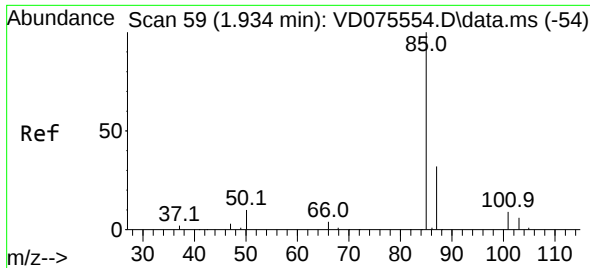
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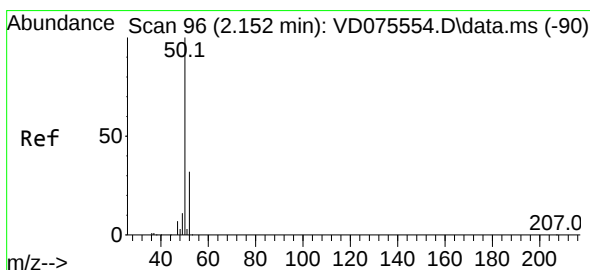
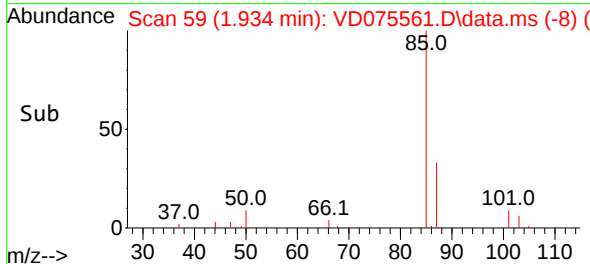
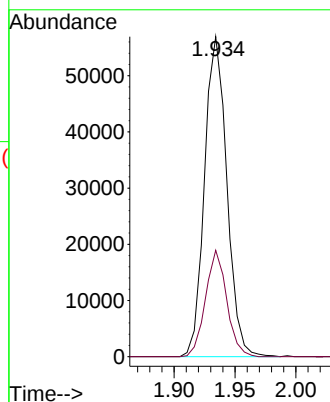
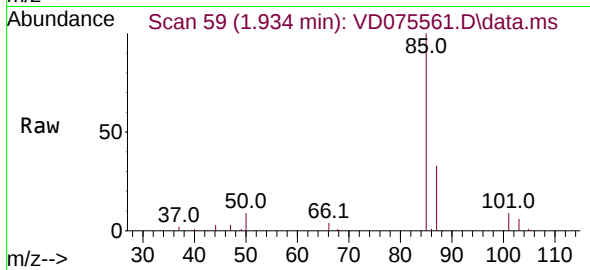




#2
 Dichlorodifluoromethane
 Concen: 23.735 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD075561.D
 Acq: 31 Mar 2023 16:38

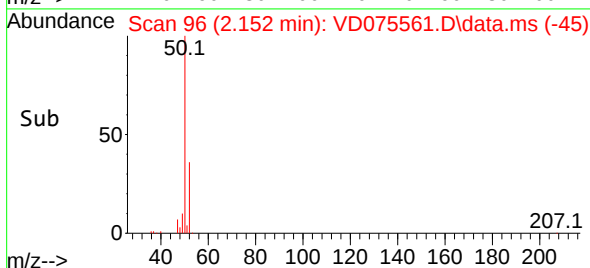
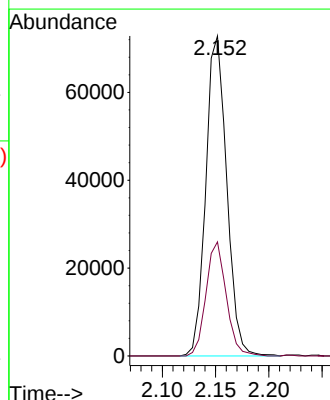
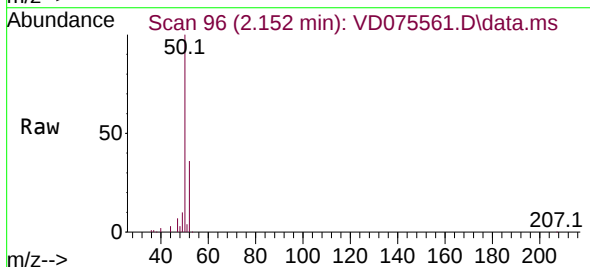
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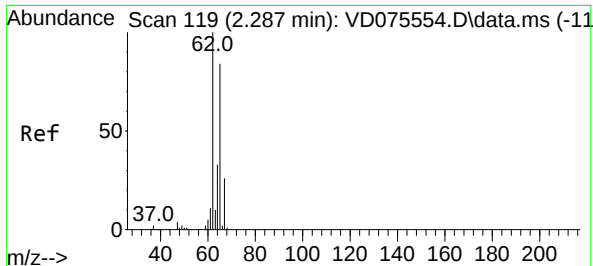
Tgt Ion: 85 Resp: 72701
 Ion Ratio Lower Upper
 85 100
 87 31.6 25.0 37.4



#3
 Chloromethane
 Concen: 24.848 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VD075561.D
 Acq: 31 Mar 2023 16:38

Tgt Ion: 50 Resp: 99597
 Ion Ratio Lower Upper
 50 100
 52 35.7 22.7 42.1

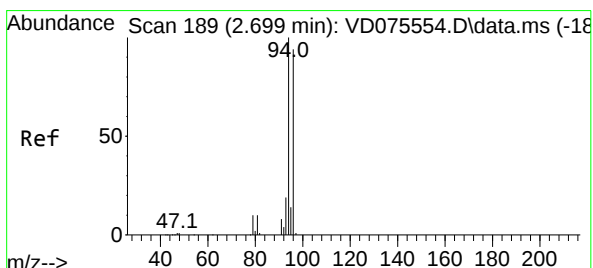
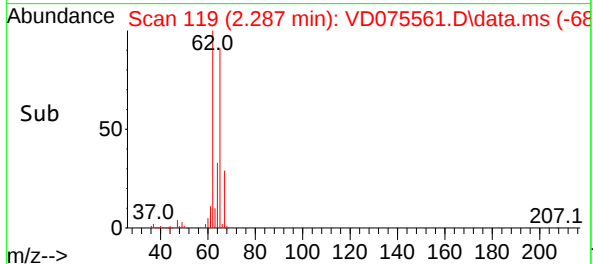
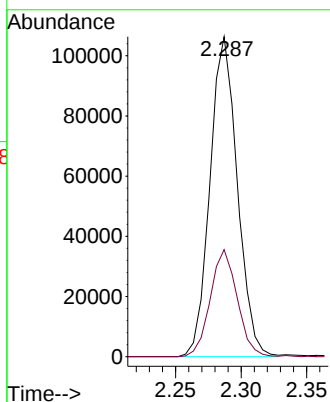
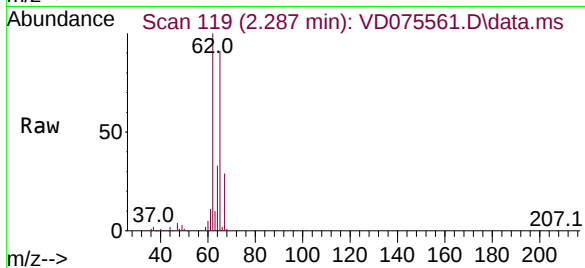




#5
 Vinyl chloride
 Concen: 24.723 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD075561.D
 Acq: 31 Mar 2023 16:38

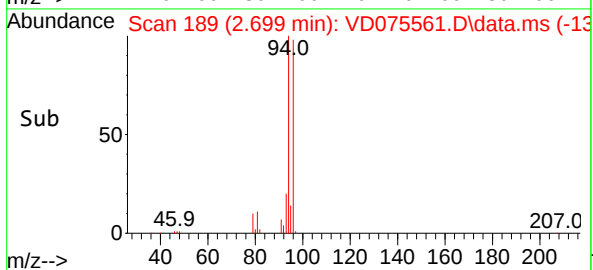
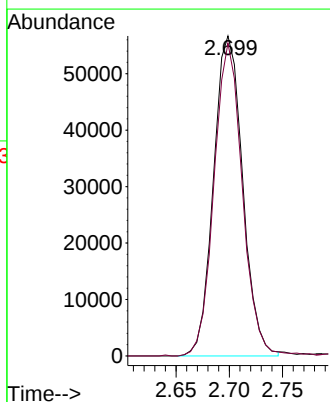
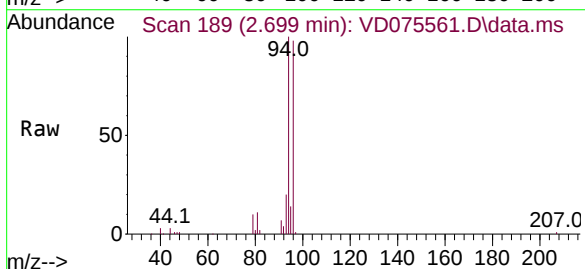
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 ClientSampleId :

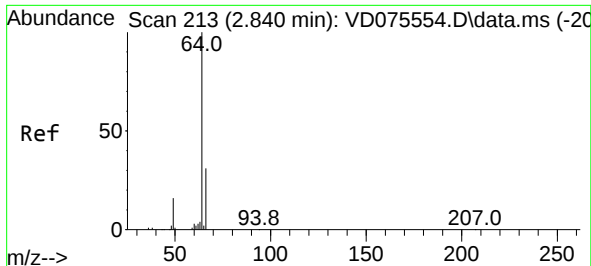
Tgt Ion: 62 Resp: 154444
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.1 42.9



#6
 Bromomethane
 Concen: 25.252 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD075561.D
 Acq: 31 Mar 2023 16:38

Tgt Ion: 94 Resp: 107634
 Ion Ratio Lower Upper
 94 100
 96 97.8 66.1 122.7

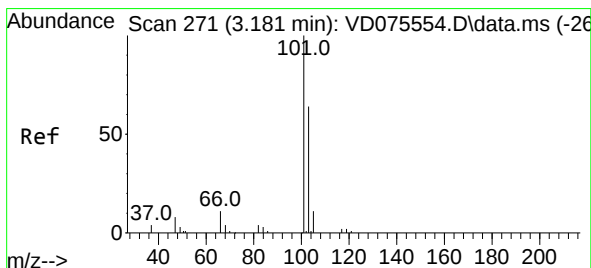
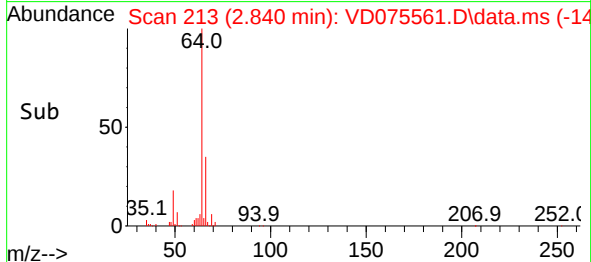
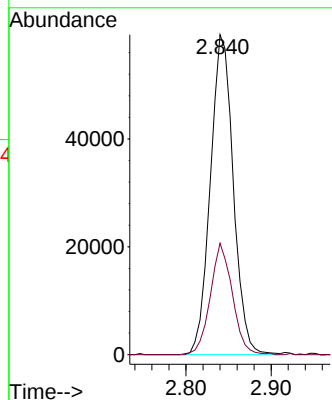
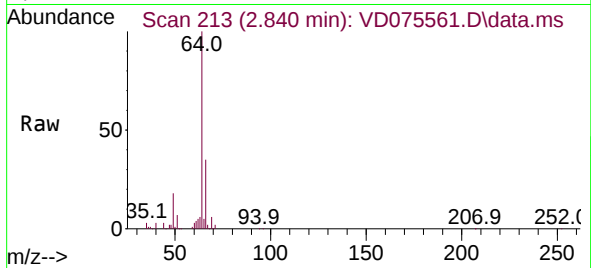




#8
Chloroethane
Concen: 25.494 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

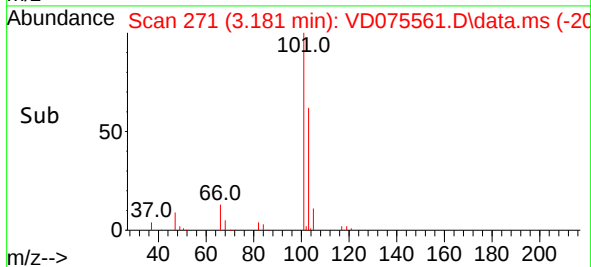
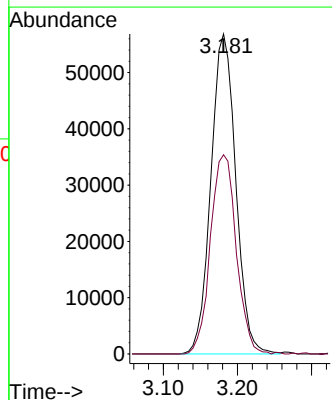
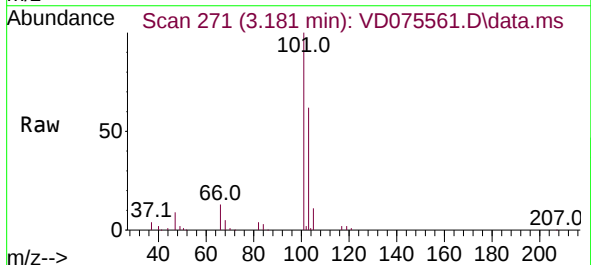
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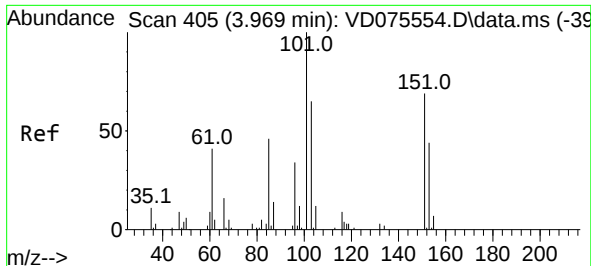
Tgt Ion: 64 Resp: 110949
Ion Ratio Lower Upper
64 100
66 34.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 24.409 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Tgt Ion:101 Resp: 132582
Ion Ratio Lower Upper
101 100
103 64.6 51.5 77.3

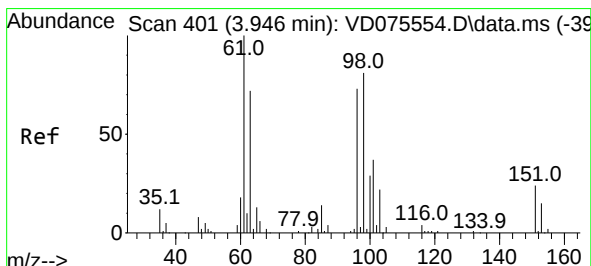
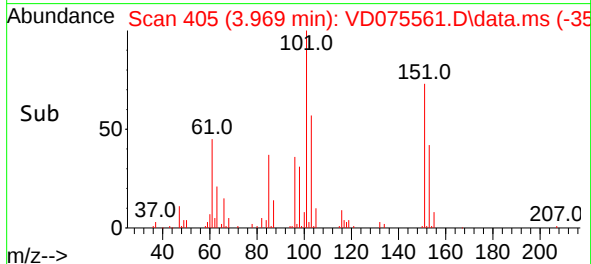
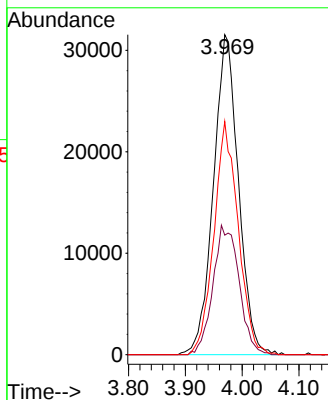
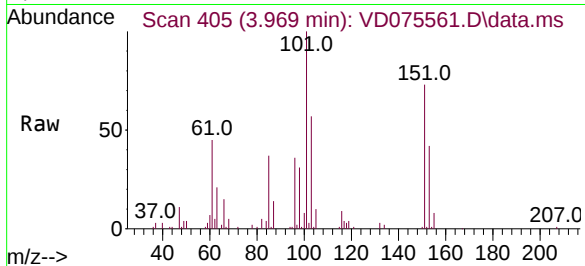




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.576 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075561.D
 Acq: 31 Mar 2023 16:38

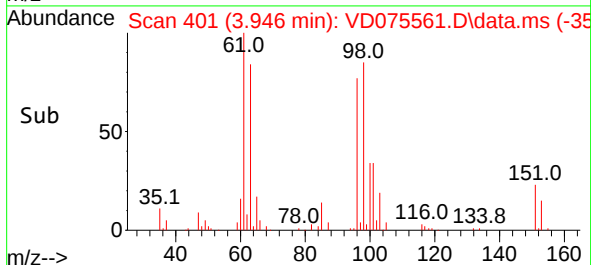
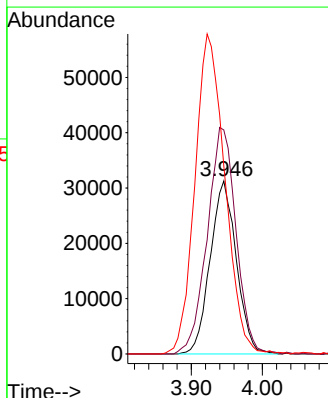
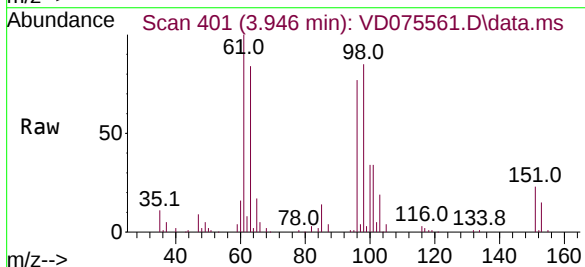
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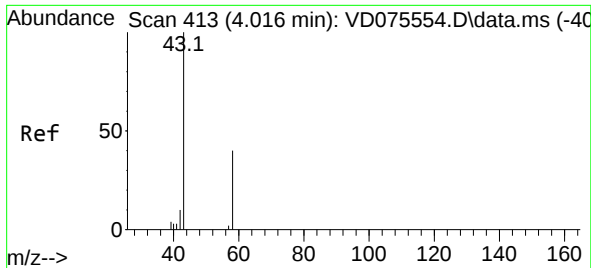
Tgt Ion:101 Resp: 96508
 Ion Ratio Lower Upper
 101 100
 85 21.1 33.4 50.0#
 151 70.5 55.8 83.8



#12
 1,1-Dichloroethene
 Concen: 25.683 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VD075561.D
 Acq: 31 Mar 2023 16:38

Tgt Ion: 96 Resp: 80058
 Ion Ratio Lower Upper
 96 100
 61 129.5 96.7 179.7
 63 108.7 76.0 141.2





#13

Acetone

Concen: 52.169 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

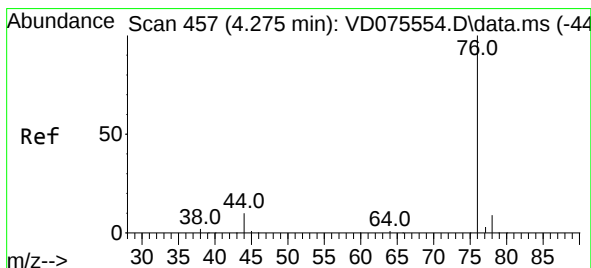
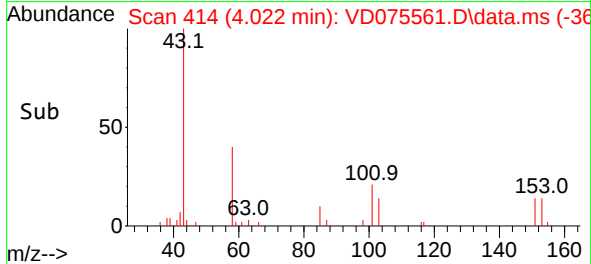
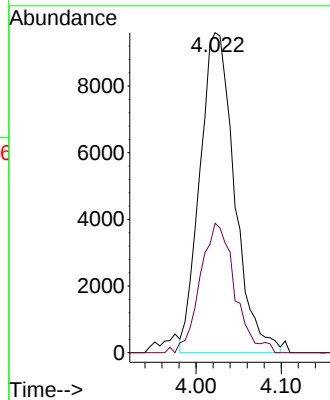
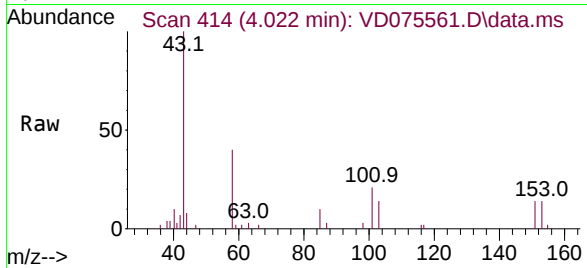
ClientSampleId :

Tgt Ion: 43 Resp: 27114

Ion Ratio Lower Upper

43 100

58 39.3 0.0 77.4



#14

Carbon disulfide

Concen: 23.740 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075561.D

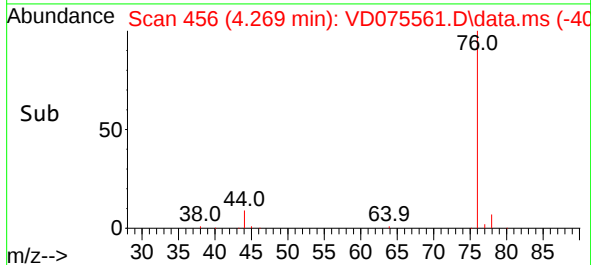
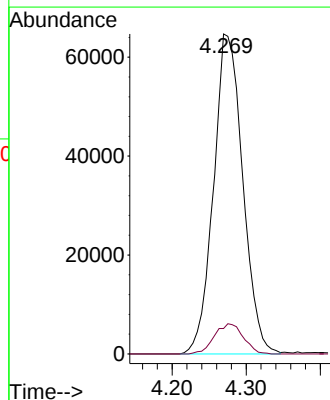
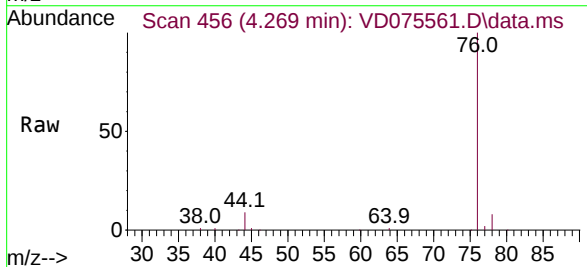
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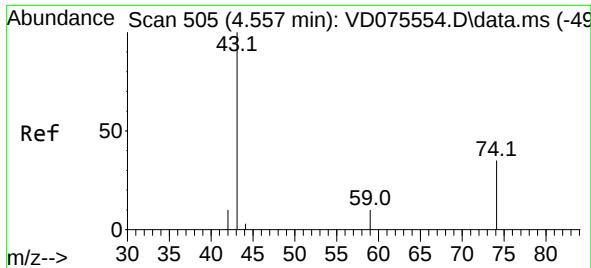
Tgt Ion: 76 Resp: 177047

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0

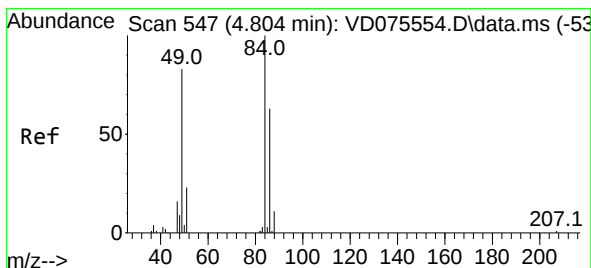
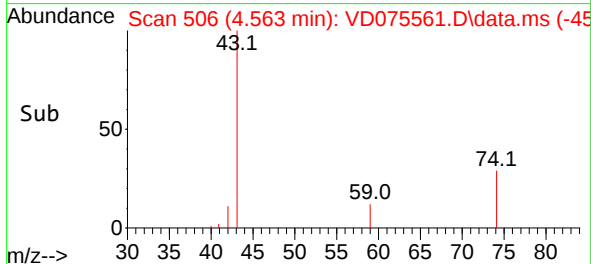
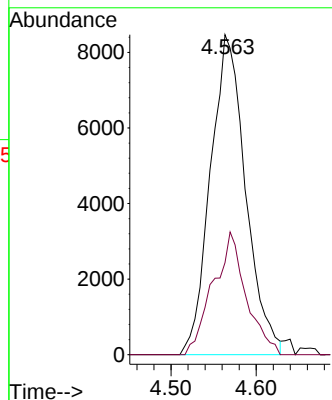
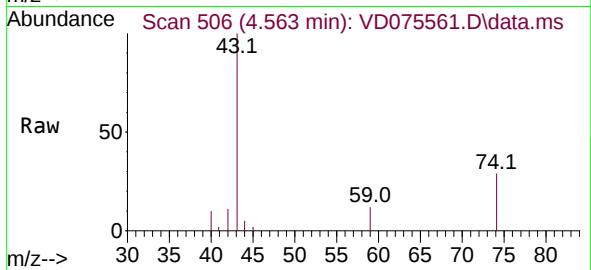




#15
Methyl Acetate
Concen: 27.891 ug/L
RT: 4.563 min Scan# 505
Delta R.T. 0.006 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

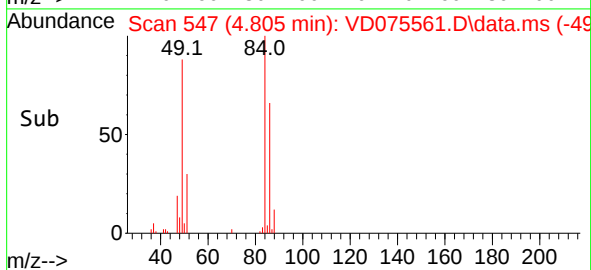
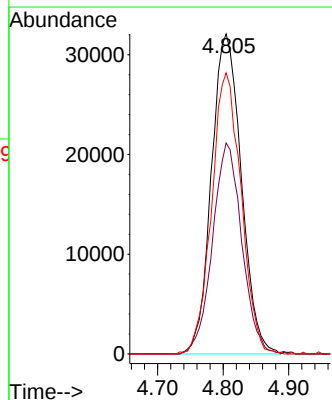
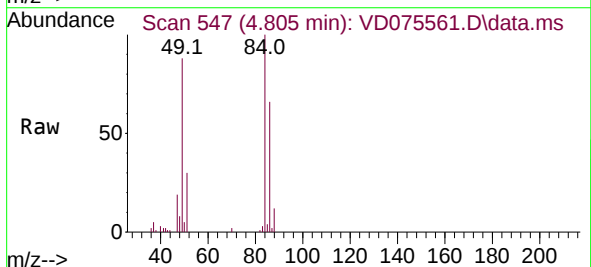
Instrument :
MSVOA_D
ClientSampleId :

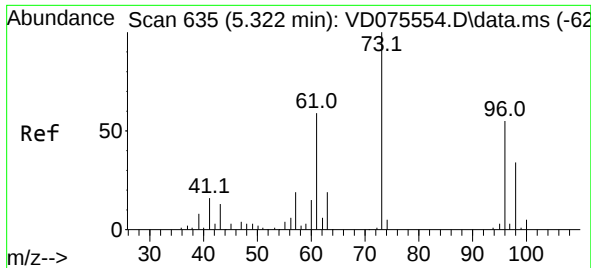
Tgt Ion: 43 Resp: 24292
Ion Ratio Lower Upper
43 100
74 36.1 29.0 43.4



#16
Methylene chloride
Concen: 22.579 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

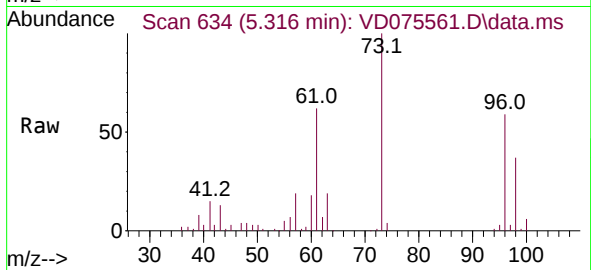
Tgt Ion: 84 Resp: 101438
Ion Ratio Lower Upper
84 100
86 66.0 44.4 82.4
49 87.9 58.5 108.7



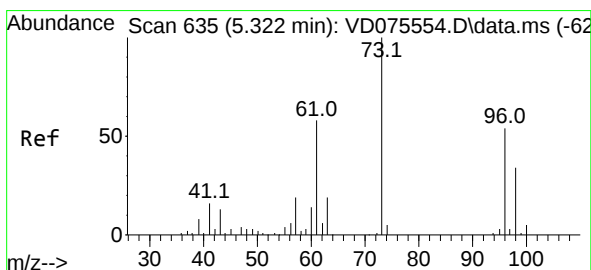
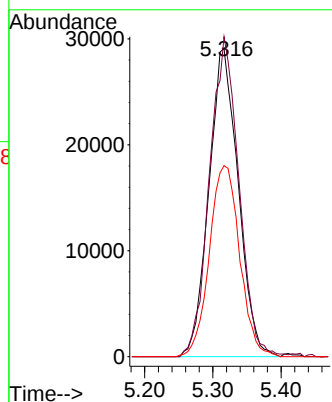
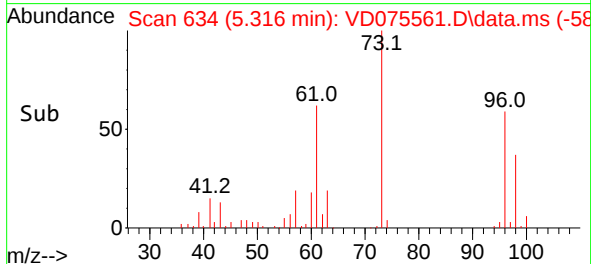


#17
trans-1,2-Dichloroethene
Concen: 26.304 ug/L
RT: 5.316 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Instrument :
MSVOA_D
ClientSampleId :

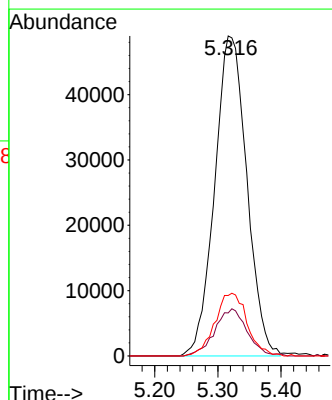
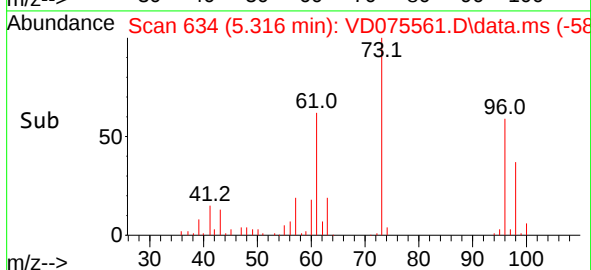
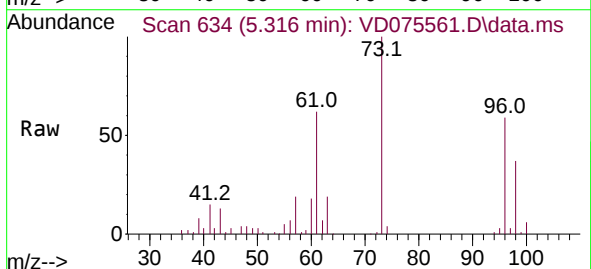


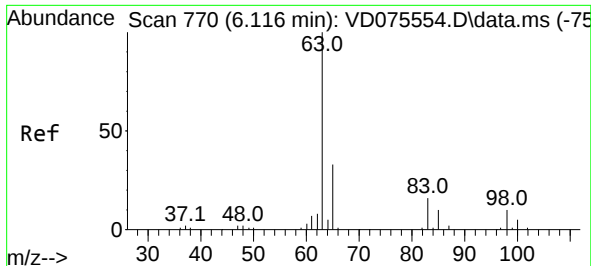
Tgt Ion: 96 Resp: 87049
Ion Ratio Lower Upper
96 100
61 103.9 75.4 140.0
98 62.0 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 27.526 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Tgt Ion: 73 Resp: 173200
Ion Ratio Lower Upper
73 100
43 14.7 11.4 17.0
57 19.5 15.8 23.6





#19

1,1-Dichloroethane

Concen: 26.637 ug/L

RT: 6.116 min Scan# 770

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

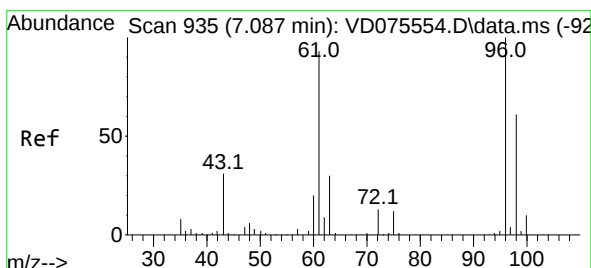
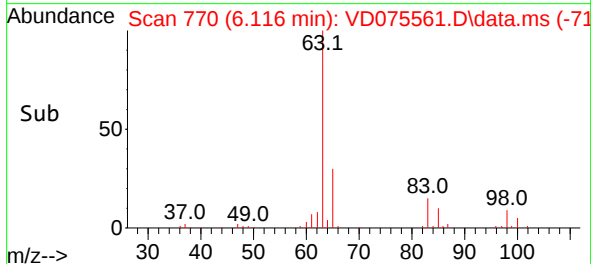
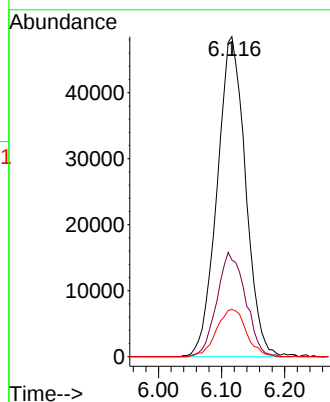
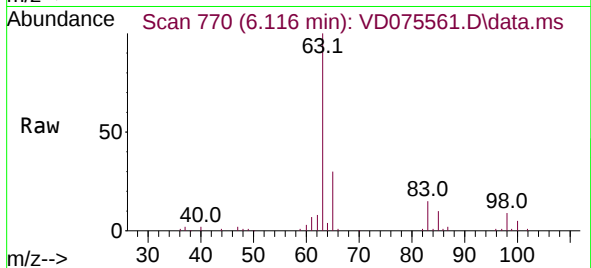
Tgt Ion: 63 Resp: 151101

Ion Ratio Lower Upper

63 100

65 30.2 23.1 42.9

83 14.7 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 26.674 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

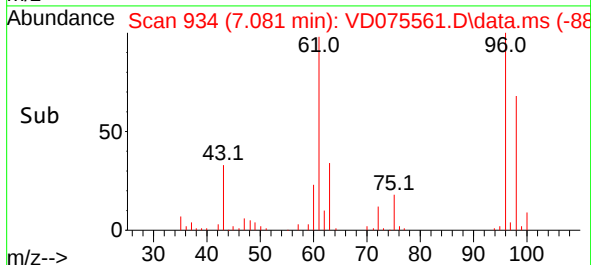
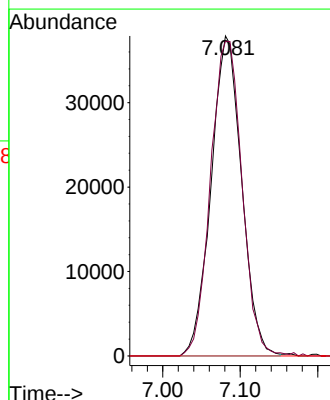
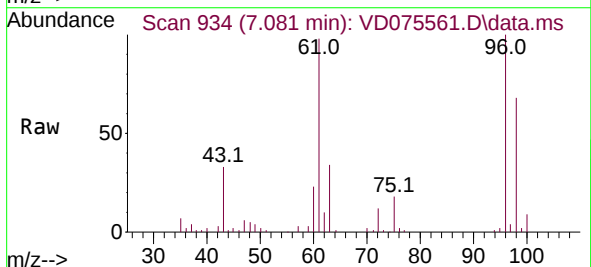
Tgt Ion: 96 Resp: 103650

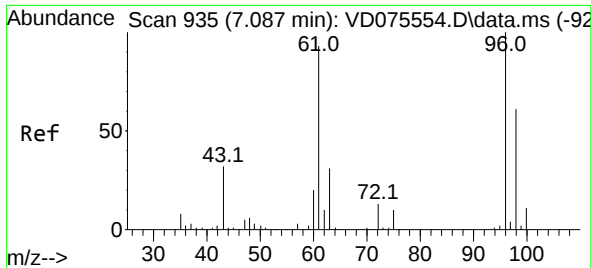
Ion Ratio Lower Upper

96 100

61 98.3 64.8 120.4

68 0.0 0.0 0.0

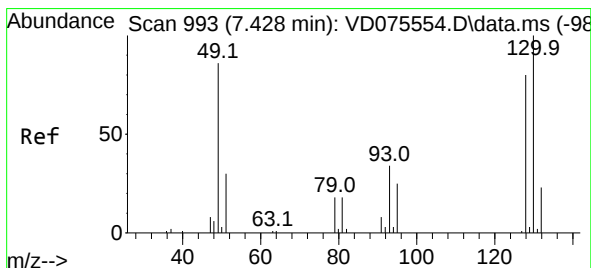
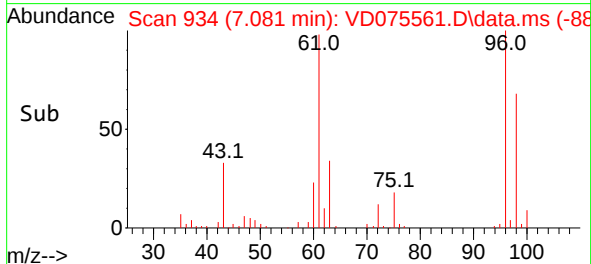
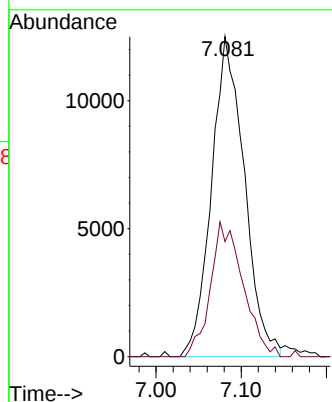
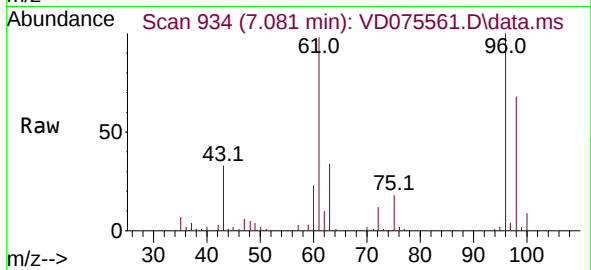




#22
2-Butanone
Concen: 54.071 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

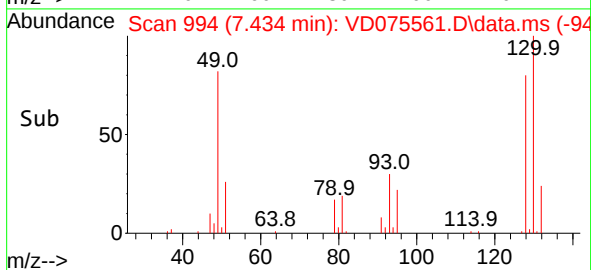
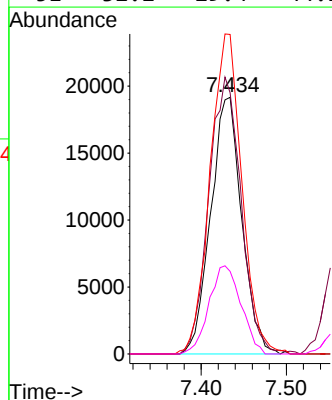
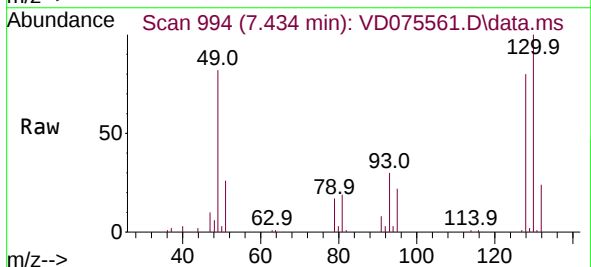
Instrument :
MSVOA_D
ClientSampleId :

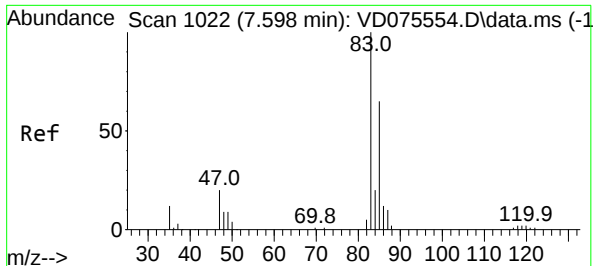
Tgt Ion: 43 Resp: 33475
Ion Ratio Lower Upper
43 100
72 41.3 21.3 63.9



#23
Bromochloromethane
Concen: 26.435 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Tgt Ion:128 Resp: 48435
Ion Ratio Lower Upper
128 100
49 101.8 75.0 139.4
130 124.5 87.4 162.2
51 32.2 29.4 44.2





#25

Chloroform

Concen: 26.913 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

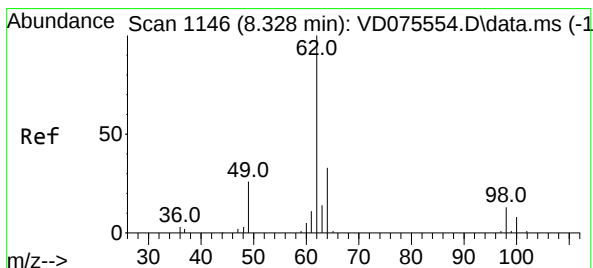
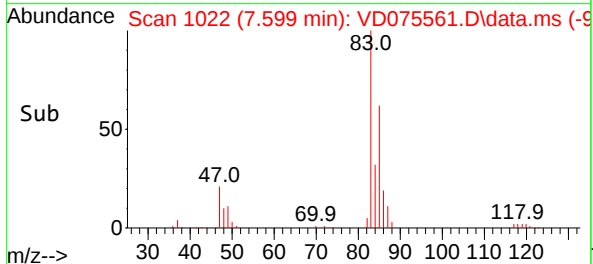
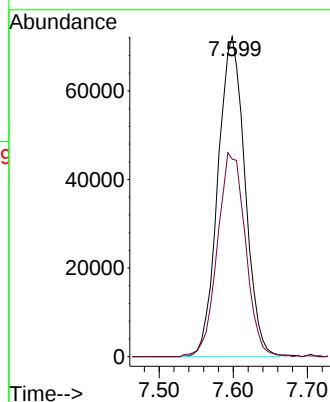
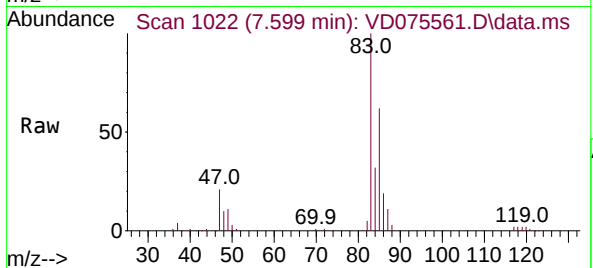
ClientSampleId :

Tgt Ion: 83 Resp: 182870

Ion Ratio Lower Upper

83 100

85 61.7 45.8 85.0



#27

1,2-Dichloroethane

Concen: 25.704 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD075561.D

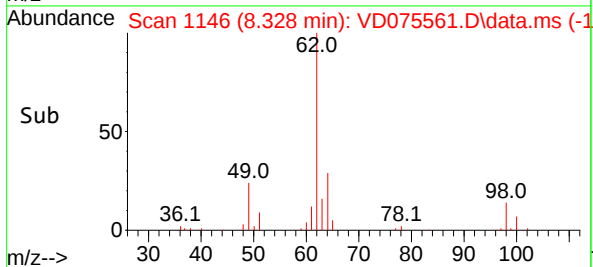
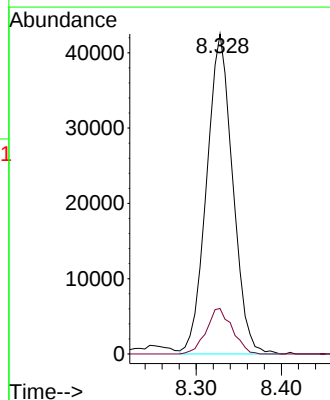
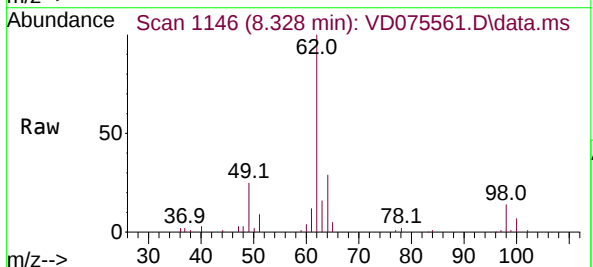
Acq: 31 Mar 2023 16:38

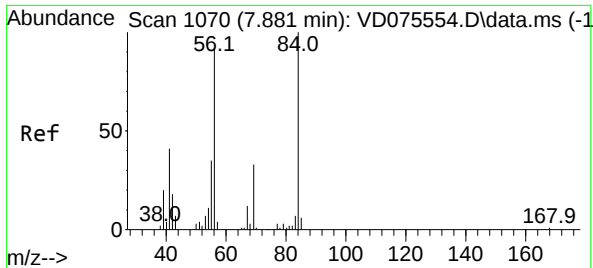
Tgt Ion: 62 Resp: 90274

Ion Ratio Lower Upper

62 100

98 14.2 10.5 15.7





#29

Cyclohexane

Concen: 24.192 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

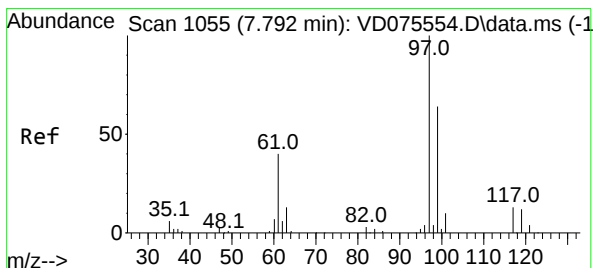
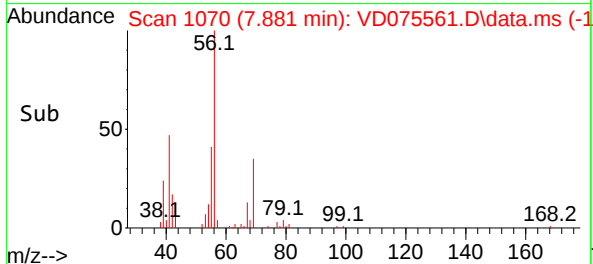
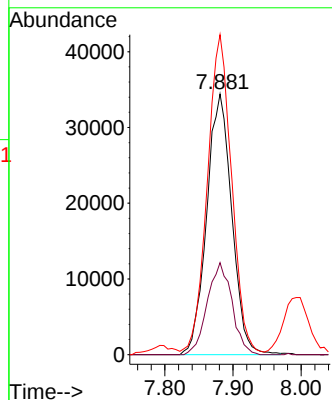
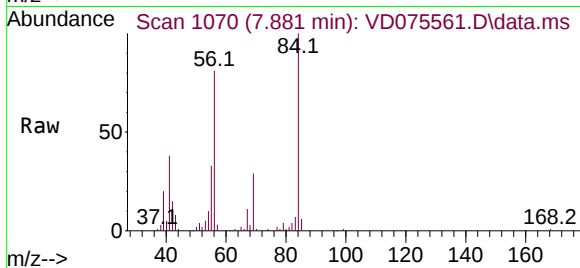
Tgt Ion: 56 Resp: 88398

Ion Ratio Lower Upper

56 100

69 34.5 28.3 42.5

84 118.4 91.1 136.7



#30

1,1,1-Trichloroethane

Concen: 25.055 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

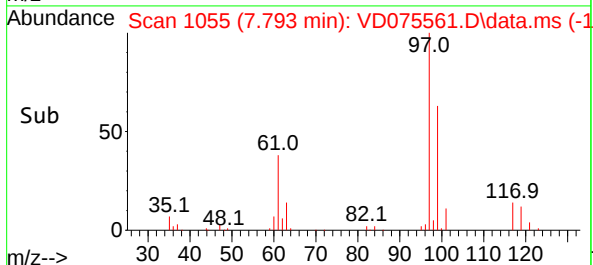
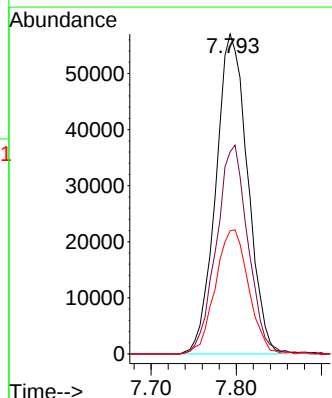
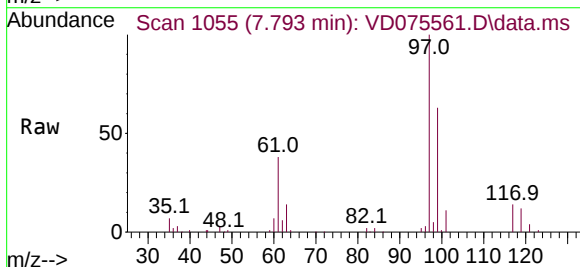
Tgt Ion: 97 Resp: 147792

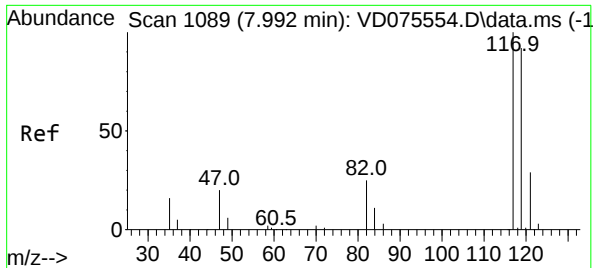
Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.2

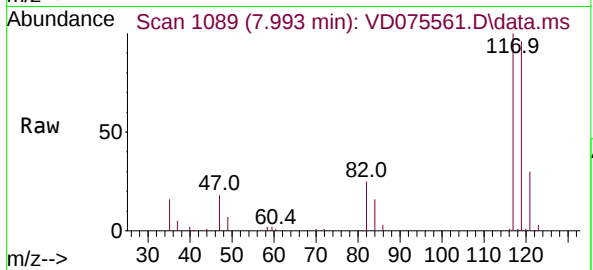
61 40.4 32.2 48.2



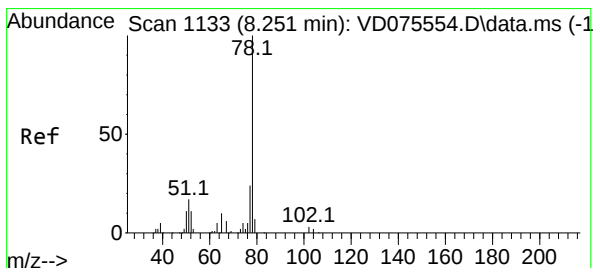
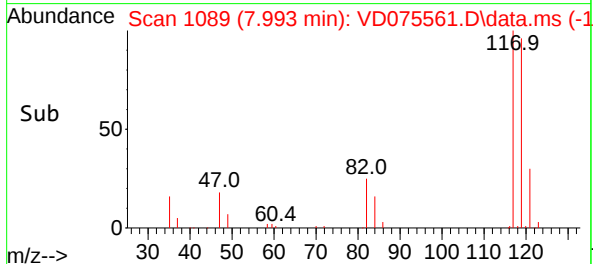
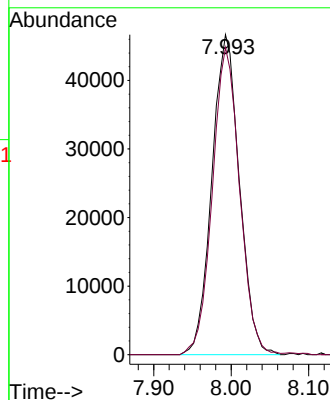


#31
Carbon tetrachloride
Concen: 24.224 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Instrument :
MSVOA_D
ClientSampleId :

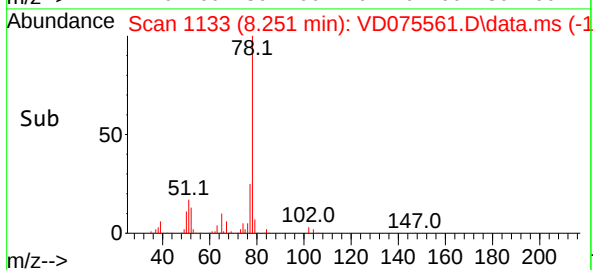
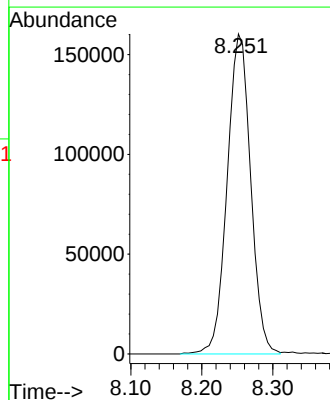
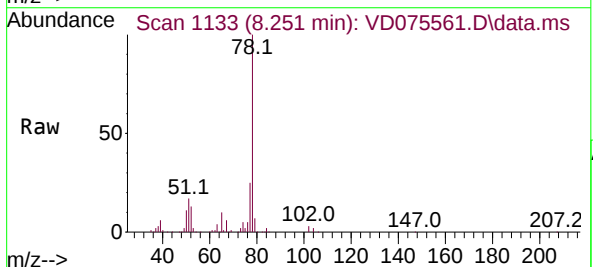


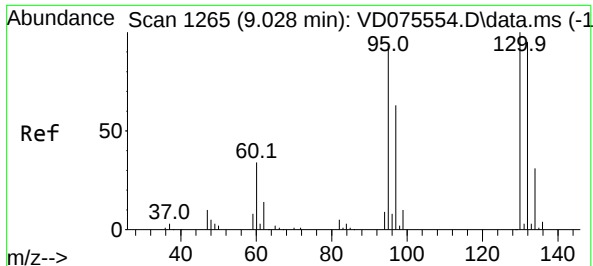
Tgt Ion:117 Resp: 115349
Ion Ratio Lower Upper
117 100
119 94.9 76.4 114.6



#33
Benzene
Concen: 23.932 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

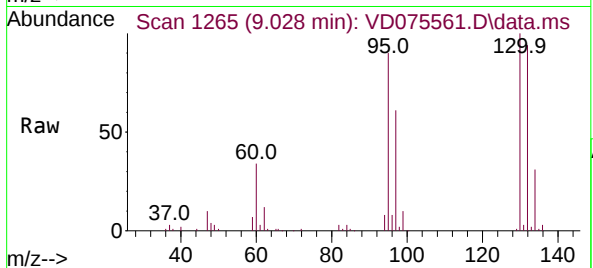
Tgt Ion: 78 Resp: 368742



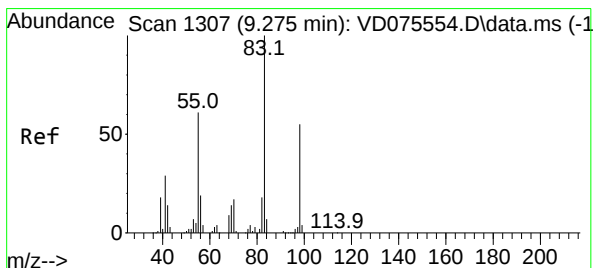
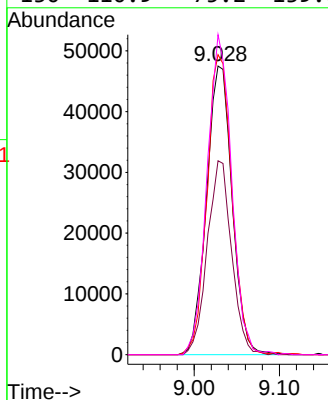
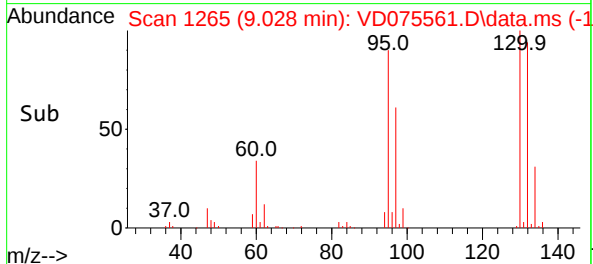


#34
Trichloroethene
Concen: 23.029 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

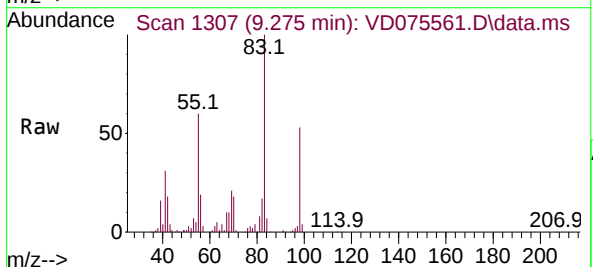
Instrument :
MSVOA_D
ClientSampleId :



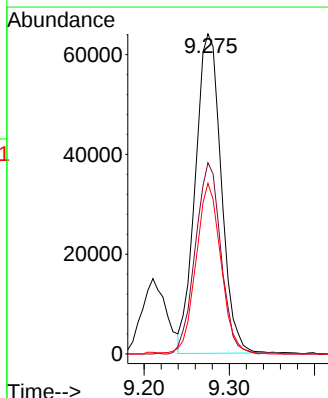
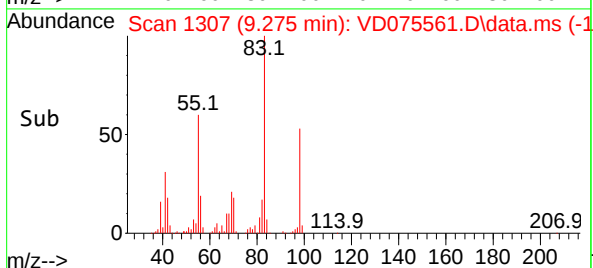
Tgt Ion:	95	Resp:	99407
Ion	Ratio	Lower	Upper
95	100		
97	67.2	47.0	87.2
132	103.9	71.2	132.2
130	110.9	75.2	139.6

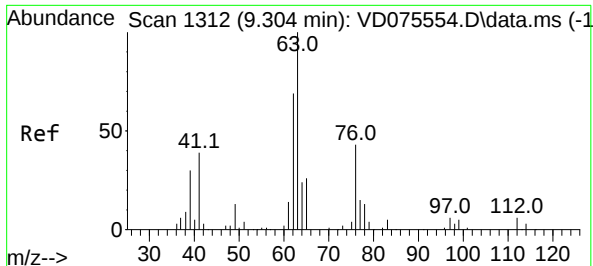


#35
Methylcyclohexane
Concen: 23.920 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38



Tgt Ion:	83	Resp:	135056
Ion	Ratio	Lower	Upper
83	100		
55	59.2	46.9	70.3
98	51.6	40.8	61.2





#37

1,2-Dichloropropane

Concen: 25.986 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

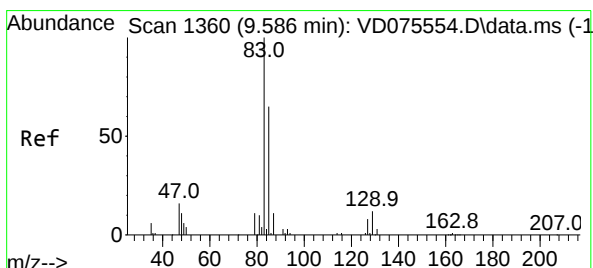
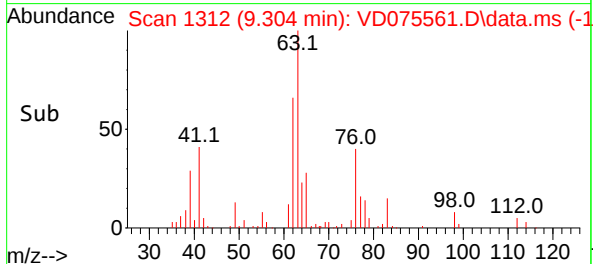
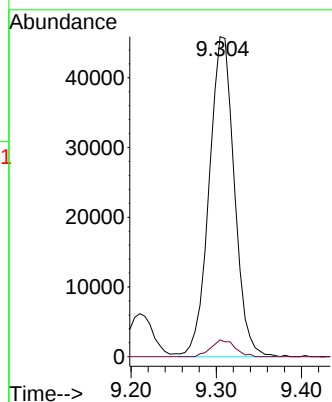
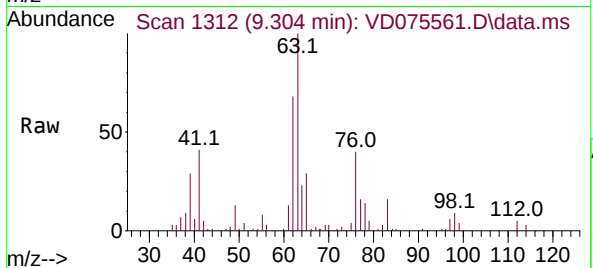
ClientSampleId :

Tgt Ion: 63 Resp: 94198

Ion Ratio Lower Upper

63 100

112 4.9 4.7 7.1



#38

Bromodichloromethane

Concen: 25.607 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

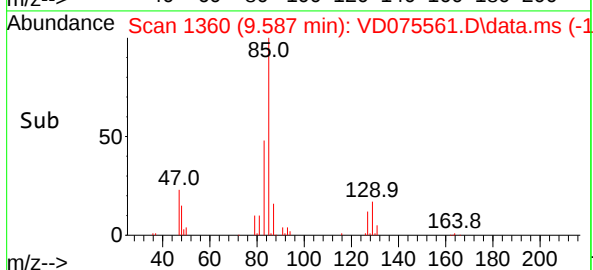
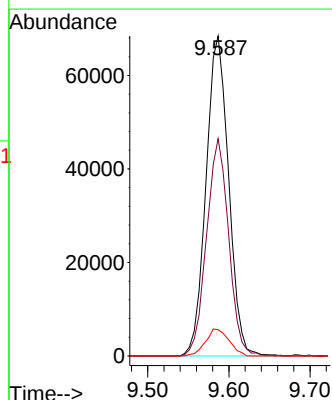
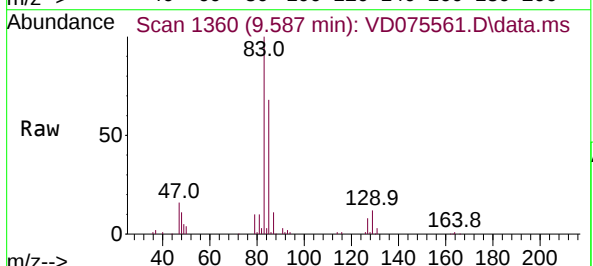
Tgt Ion: 83 Resp: 132206

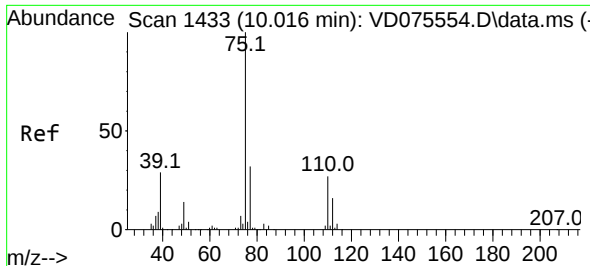
Ion Ratio Lower Upper

83 100

85 67.9 45.1 83.9

127 8.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 25.622 ug/L

RT: 10.022 min Scan# 1433

Delta R.T. 0.006 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

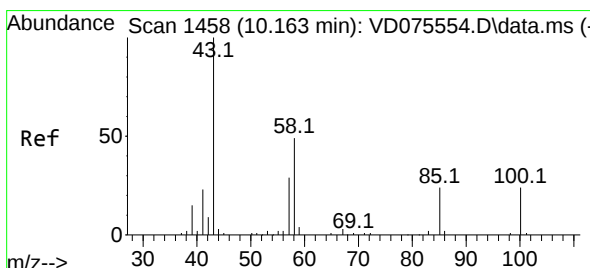
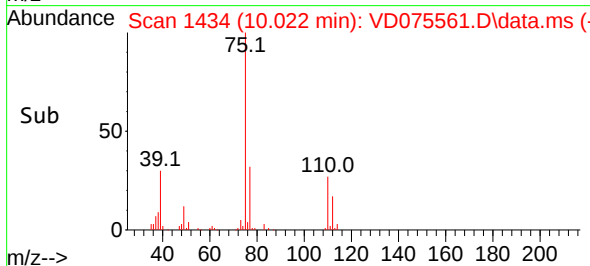
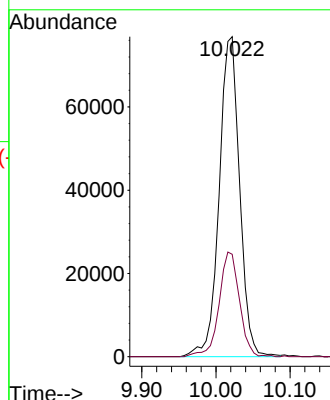
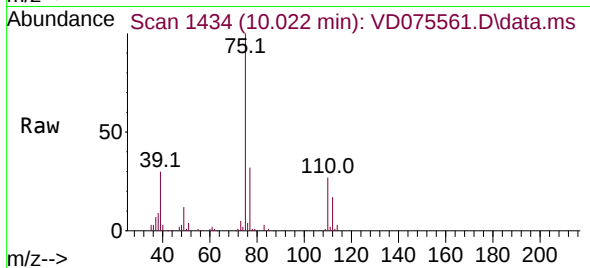
ClientSampleId :

Tgt Ion: 75 Resp: 147266

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 50.873 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

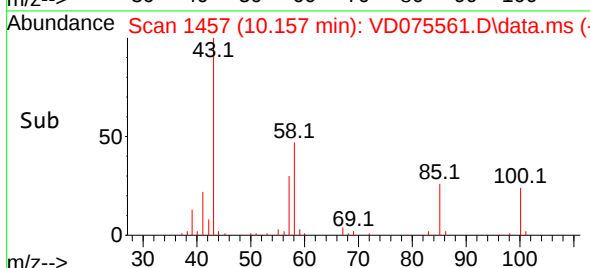
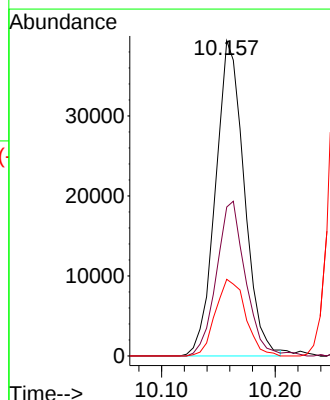
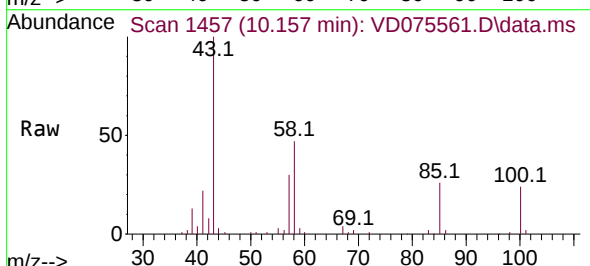
Tgt Ion: 43 Resp: 69121

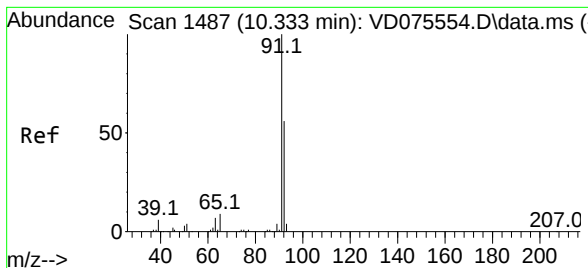
Ion Ratio Lower Upper

43 100

58 49.2 39.4 59.0

100 25.4 20.3 30.5





#42

Toluene

Concen: 25.226 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

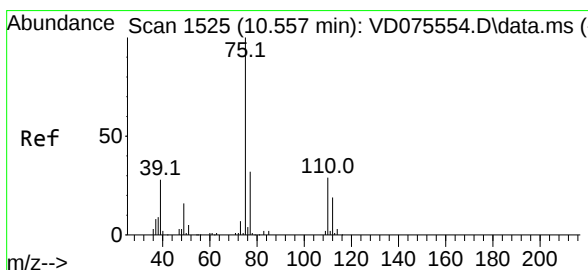
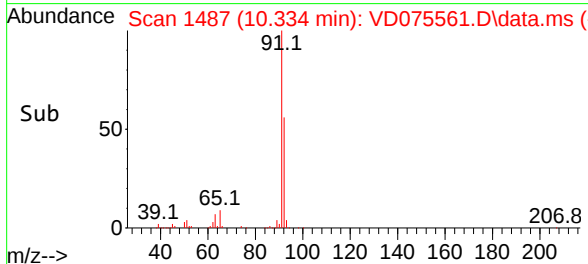
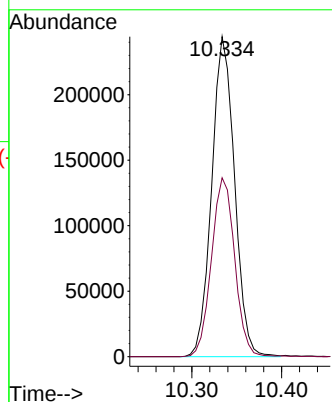
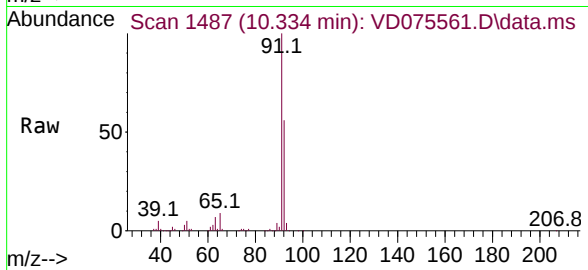
ClientSampleId :

Tgt Ion: 91 Resp: 431844

Ion Ratio Lower Upper

91 100

92 55.9 39.1 72.7



#44

trans-1,3-Dichloropropene

Concen: 25.414 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD075561.D

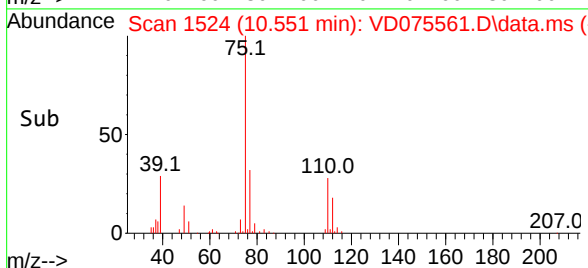
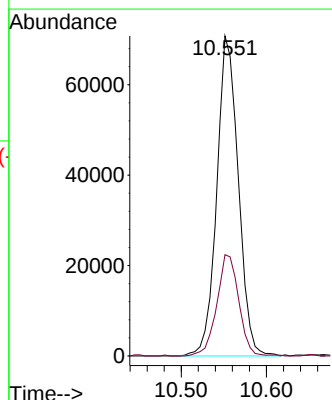
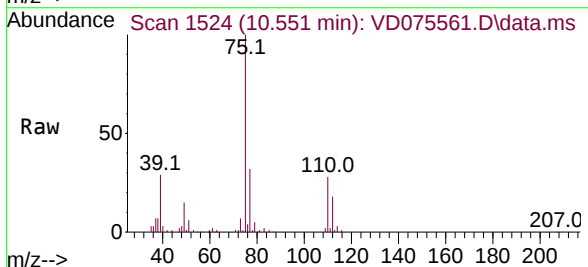
Acq: 31 Mar 2023 16:38

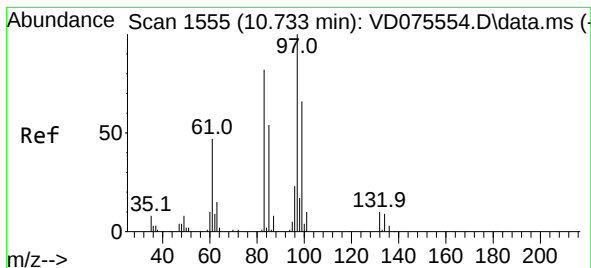
Tgt Ion: 75 Resp: 124189

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 24.789 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 82462

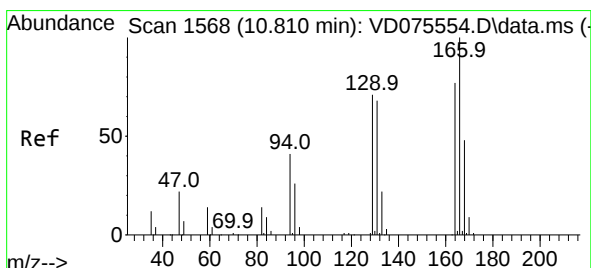
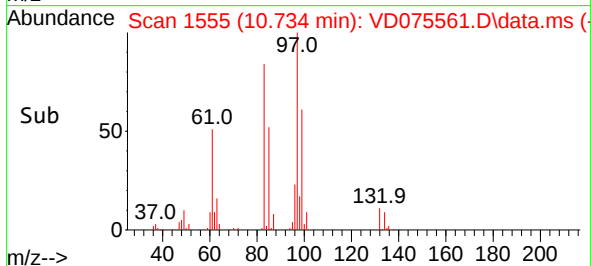
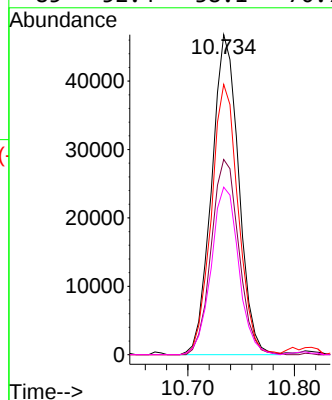
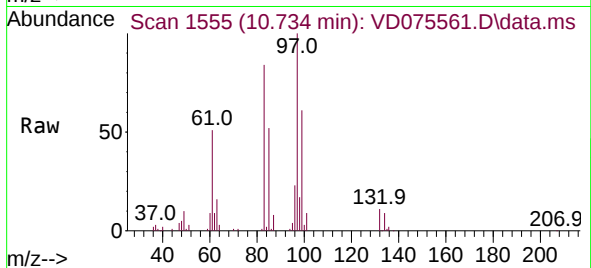
Ion Ratio Lower Upper

97 100

99 61.0 46.4 86.2

83 84.5 57.1 106.1

85 52.4 38.1 70.7



#46

Tetrachloroethene

Concen: 22.823 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Tgt Ion:164 Resp: 77158

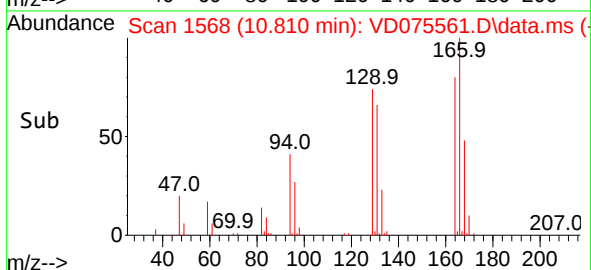
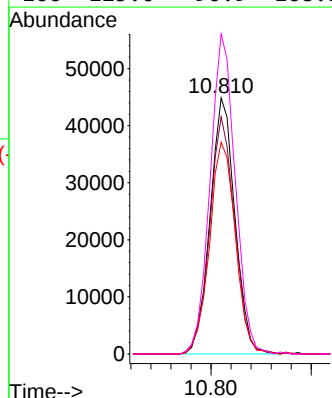
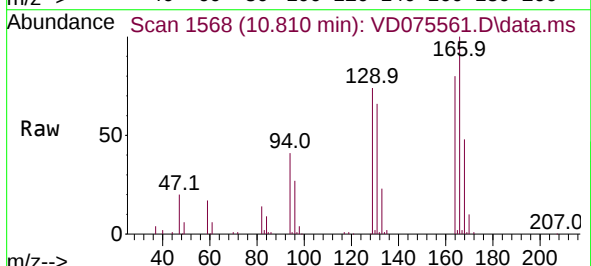
Ion Ratio Lower Upper

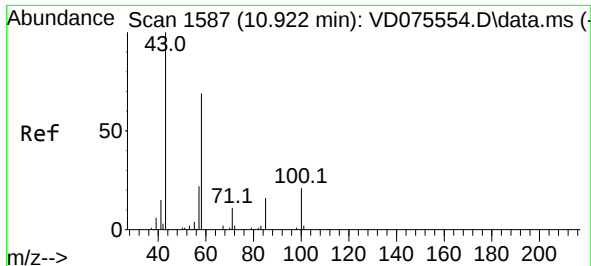
164 100

129 92.6 64.8 120.3

131 82.7 61.7 114.7

166 125.0 90.9 168.9

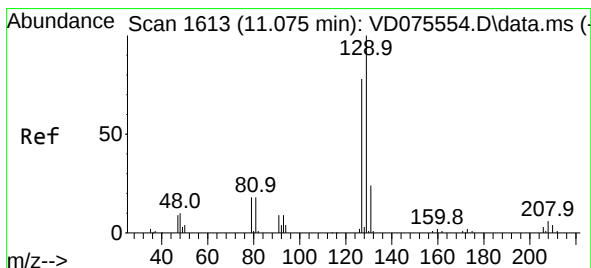
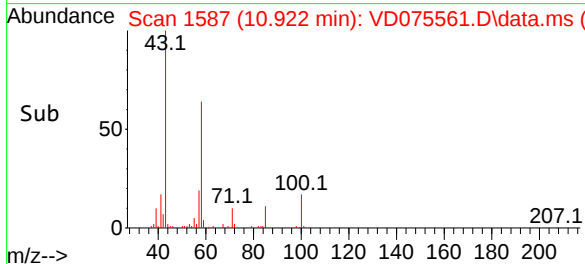
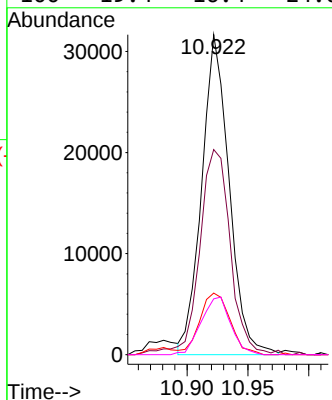
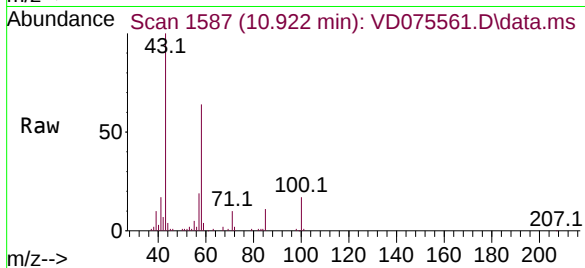




#48
2-Hexanone
Concen: 54.229 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

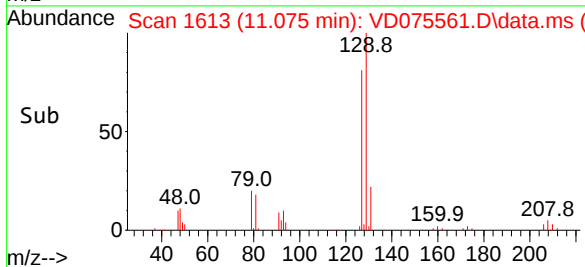
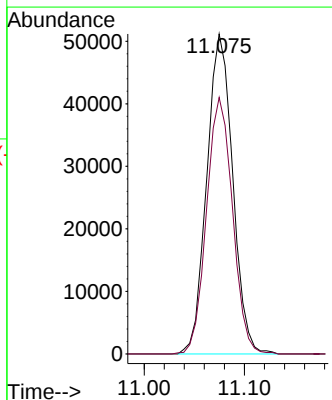
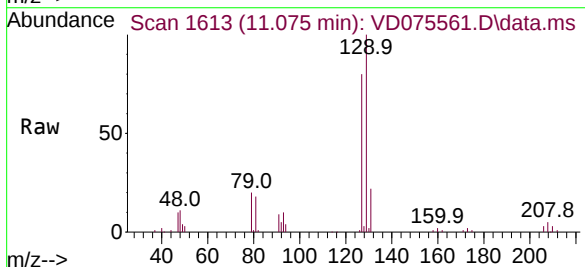
Instrument :
MSVOA_D
ClientSampleId :

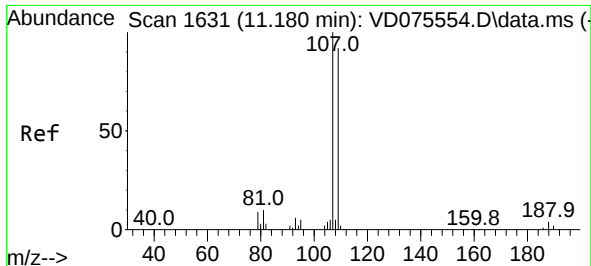
Tgt Ion: 43	Resp: 49657
Ion Ratio	Lower Upper
43 100	
58 71.4	55.8 83.6
57 21.3	18.6 27.8
100 19.4	16.4 24.6



#49
Dibromochloromethane
Concen: 25.568 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Tgt Ion:129	Resp:	92084	
Ion	Ratio	Lower	Upper
129	100		
127	80.2	54.5	101.1





#50

1,2-Dibromoethane

Concen: 25.057 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075561.D

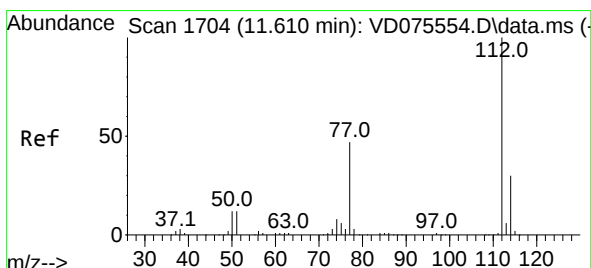
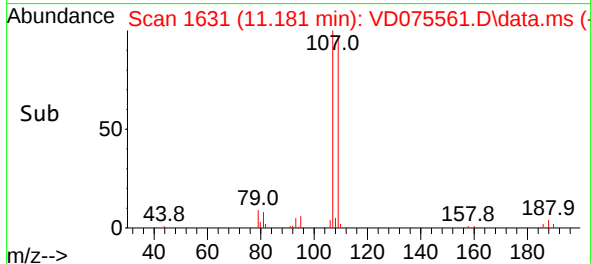
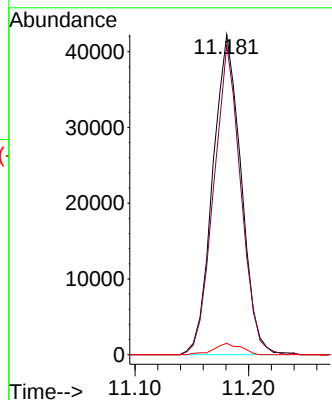
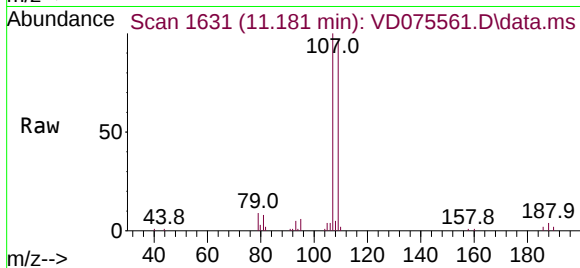
Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp:	73032
Ion Ratio	Lower	Upper
107	100	
109	96.8	64.8 120.3
188	3.6	3.4 5.0



#51

Chlorobenzene

Concen: 24.434 ug/L

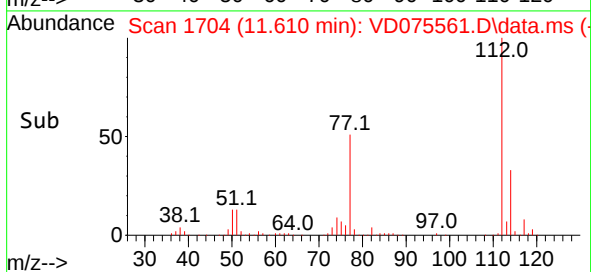
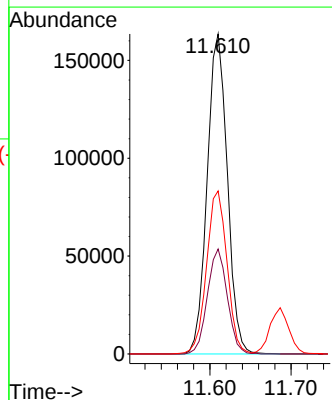
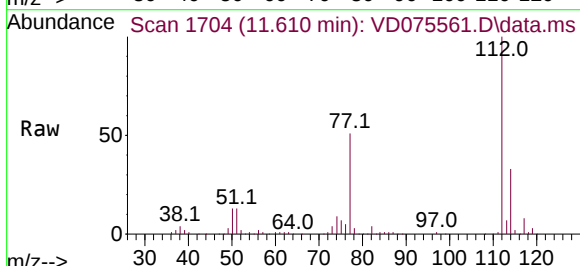
RT: 11.610 min Scan# 1704

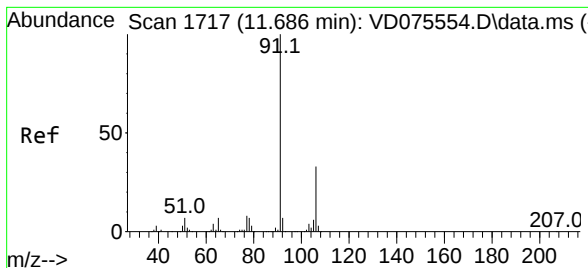
Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Tgt Ion:112	Resp:	281708
Ion Ratio	Lower	Upper
112	100	
114	32.8	21.1 39.1
77	50.9	37.8 56.6

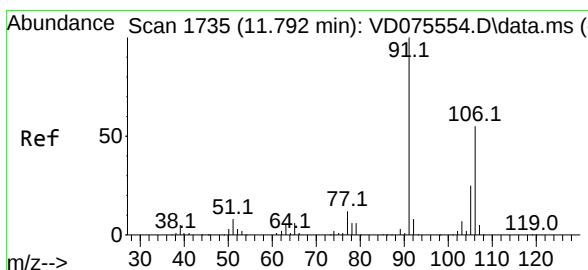
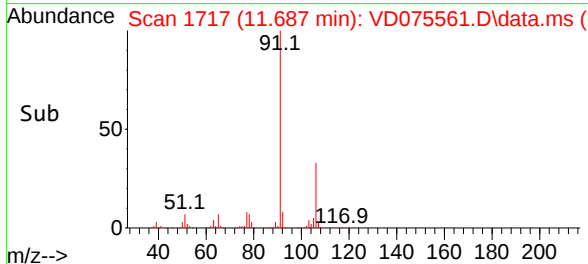
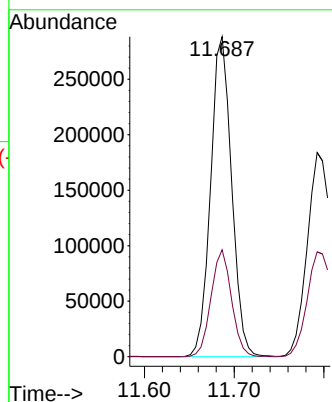
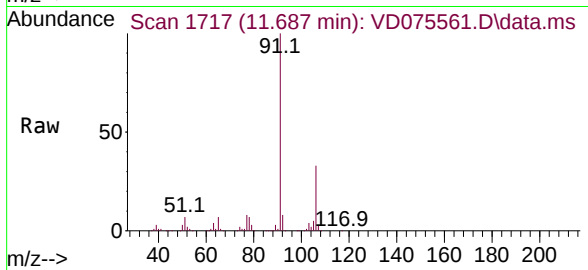




#52
Ethylbenzene
Concen: 26.063 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

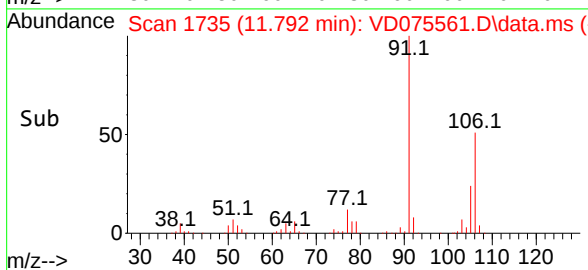
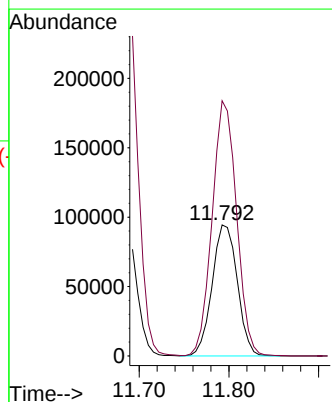
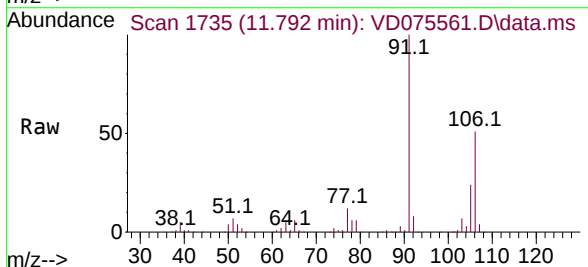
Instrument :
MSVOA_D
ClientSampleId :

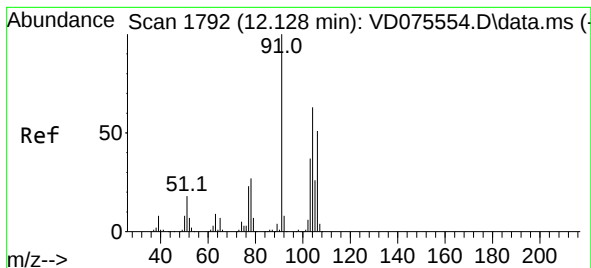
Tgt Ion: 91 Resp: 469177
Ion Ratio Lower Upper
91 100
106 33.4 23.2 43.2



#53
m,p-Xylene
Concen: 26.043 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Tgt Ion: 106 Resp: 183838
Ion Ratio Lower Upper
106 100
91 194.8 126.7 235.3





#54

o-Xylene

Concen: 26.896 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

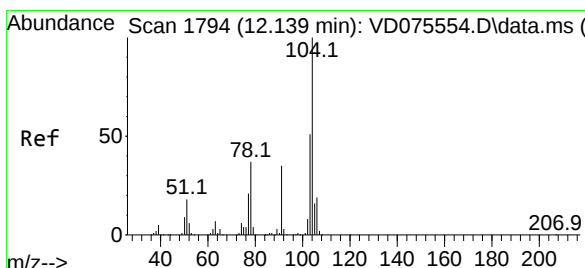
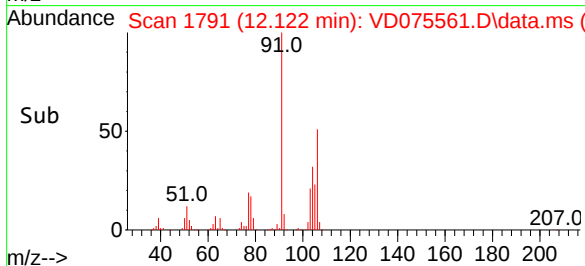
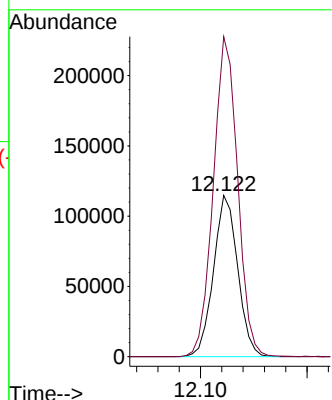
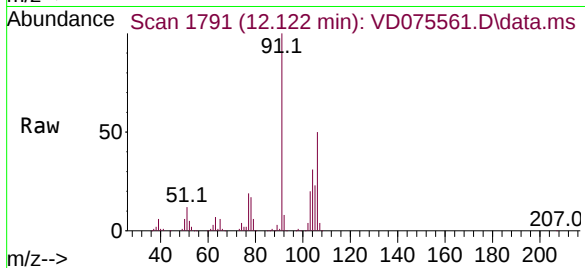
ClientSampleId :

Tgt Ion:106 Resp: 180785

Ion Ratio Lower Upper

106 100

91 198.4 138.3 256.9



#55

Styrene

Concen: 27.452 ug/L

RT: 12.139 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075561.D

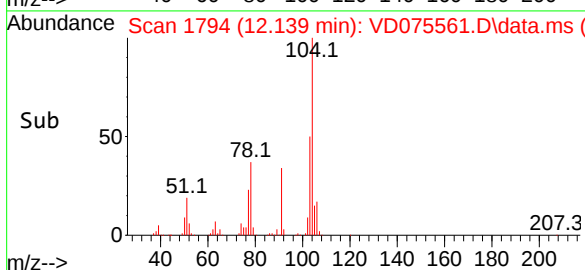
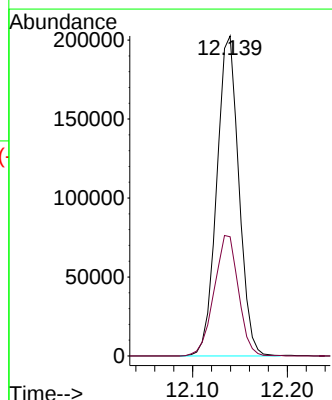
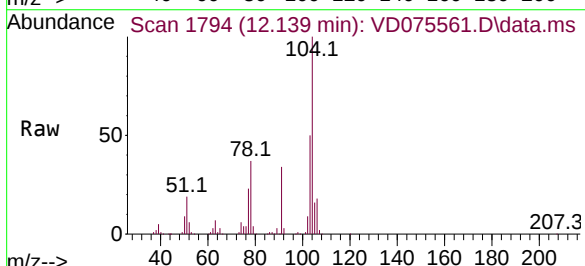
Acq: 31 Mar 2023 16:38

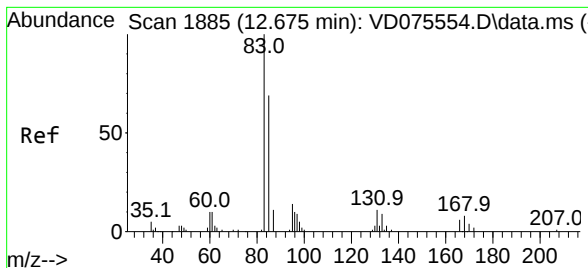
Tgt Ion:104 Resp: 328791

Ion Ratio Lower Upper

104 100

78 37.3 25.8 47.8

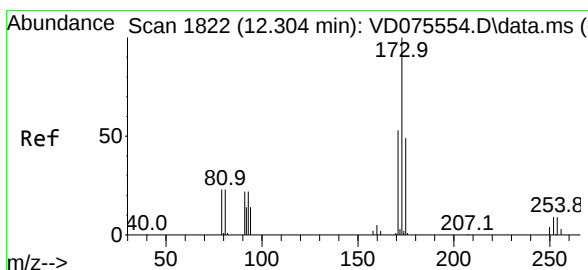
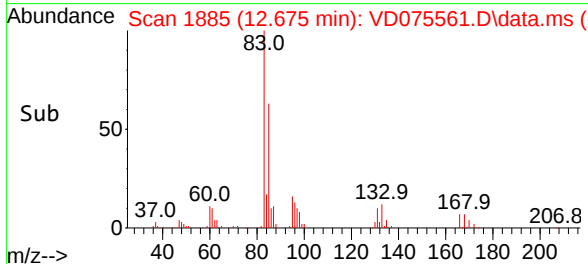
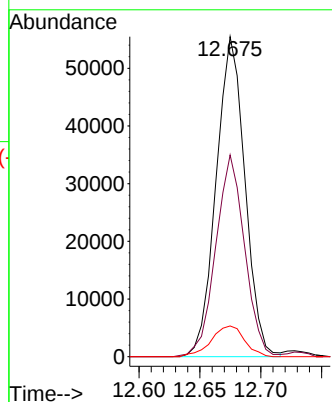
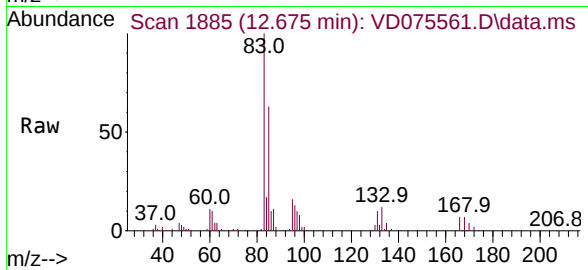




#57
1,1,2,2-Tetrachloroethane
Concen: 26.614 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

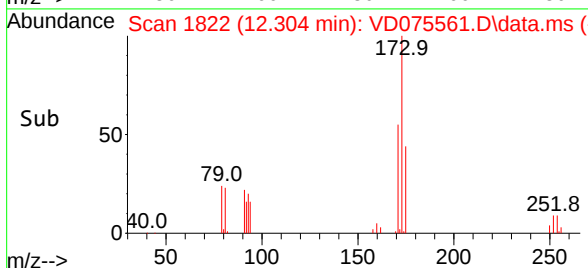
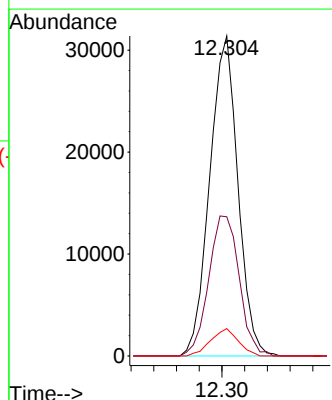
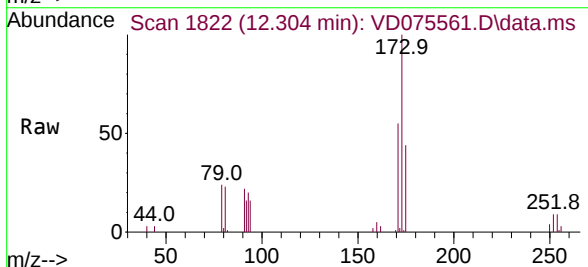
Instrument :
MSVOA_D
ClientSampleId :

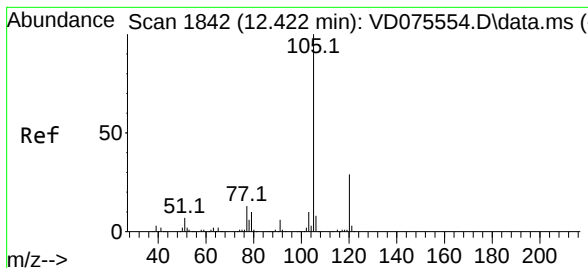
Tgt Ion: 83 Resp: 91367
Ion Ratio Lower Upper
83 100
85 63.1 48.7 90.5
131 9.6 9.3 13.9



#59
Bromoform
Concen: 24.011 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

Tgt Ion: 173 Resp: 54076
Ion Ratio Lower Upper
173 100
175 47.4 38.7 58.1
254 8.4 7.7 11.5





#60

Isopropylbenzene

Concen: 25.086 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

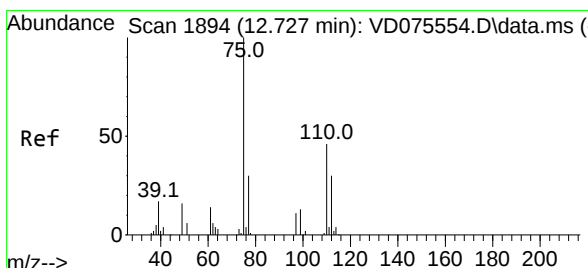
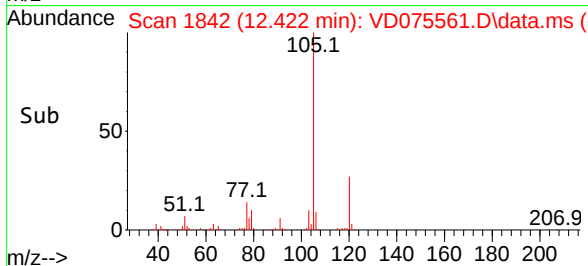
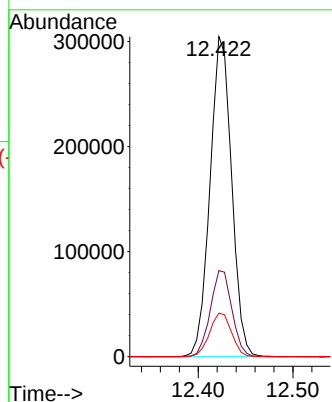
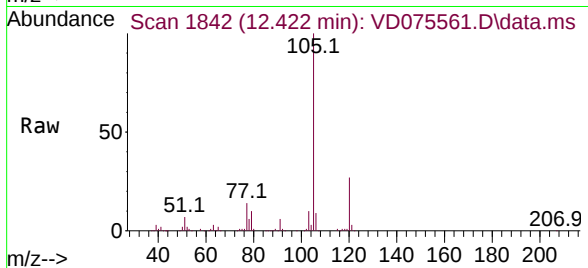
Tgt Ion:105 Resp: 482324

Ion Ratio Lower Upper

105 100

120 26.9 22.5 33.7

77 13.8 10.7 16.1



#61

1,2,3-Trichloropropane

Concen: 24.276 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

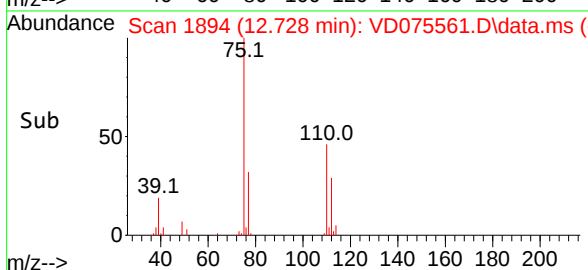
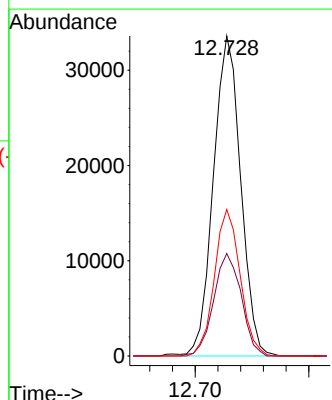
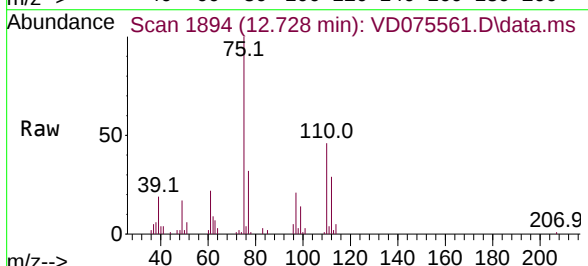
Tgt Ion: 75 Resp: 55953

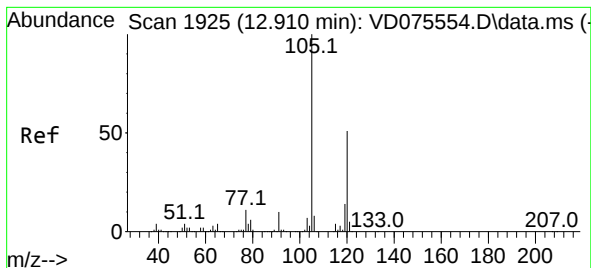
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

110 43.3 35.9 53.9





#62

1,3,5-Trimethylbenzene

Concen: 25.112 ug/L

RT: 12.904 min Scan# 1925

Delta R.T. -0.006 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

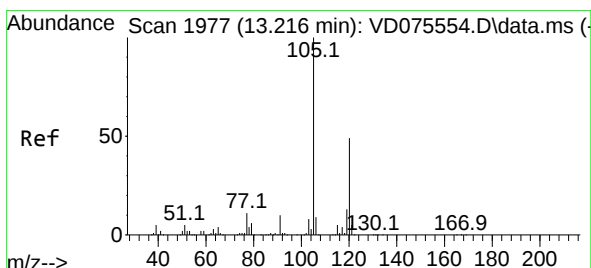
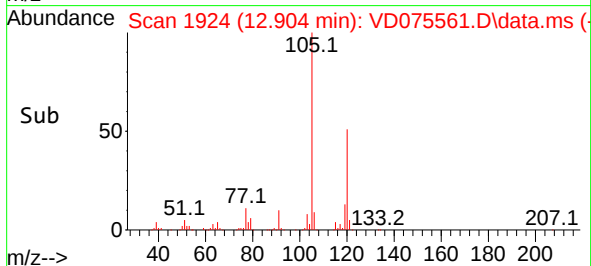
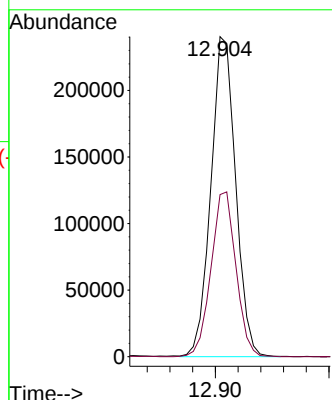
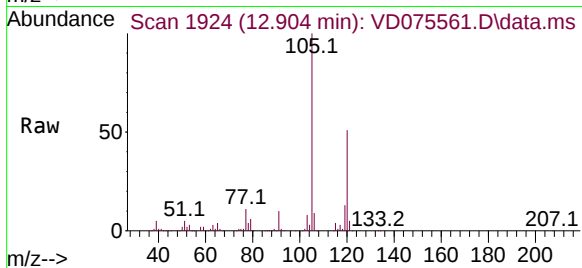
ClientSampleId :

Tgt Ion:105 Resp: 364190

Ion Ratio Lower Upper

105 100

120 51.8 41.1 61.7



#63

1,2,4-Trimethylbenzene

Concen: 26.103 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.000 min

Lab File: VD075561.D

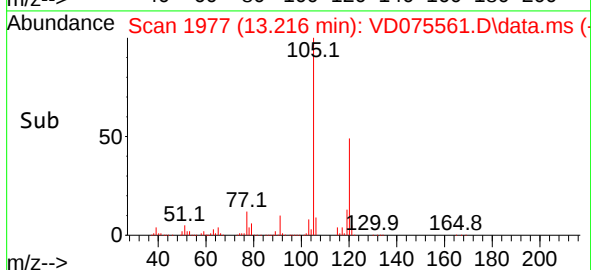
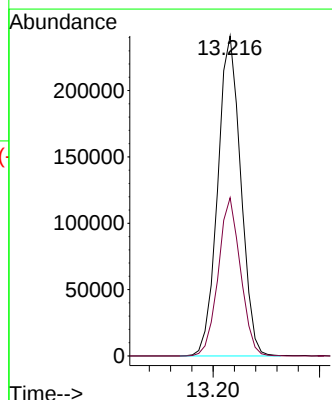
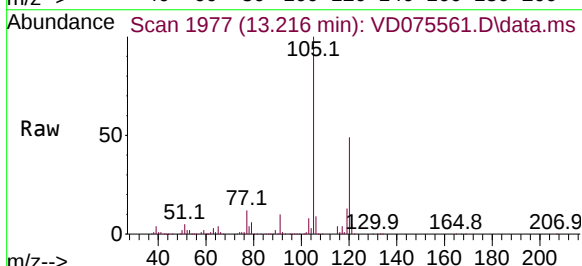
Acq: 31 Mar 2023 16:38

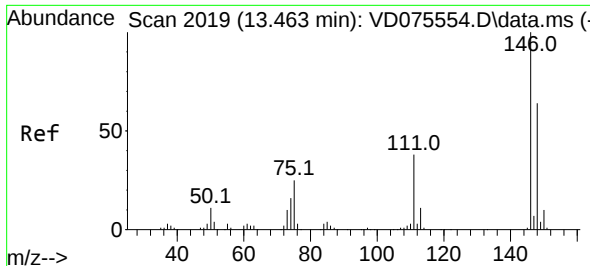
Tgt Ion:105 Resp: 362003

Ion Ratio Lower Upper

105 100

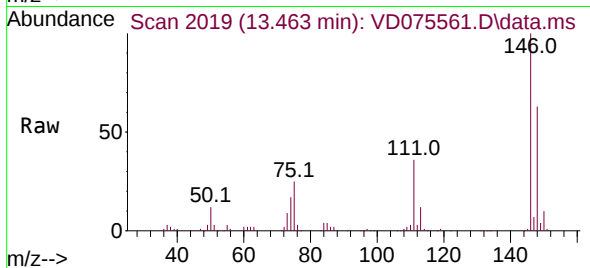
120 47.6 39.0 58.4



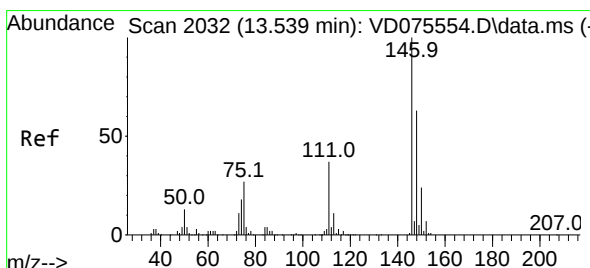
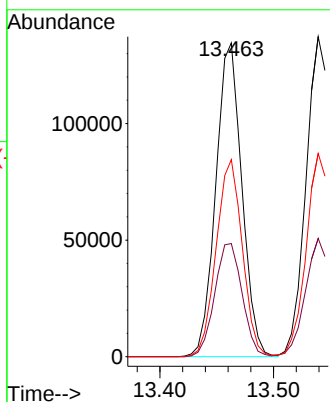
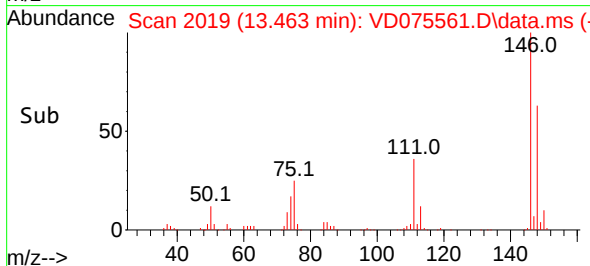


#64
1,3-Dichlorobenzene
Concen: 24.683 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38

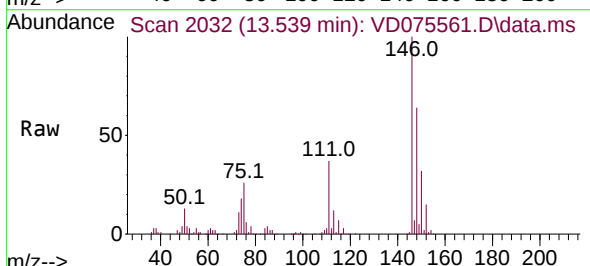
Instrument :
MSVOA_D
ClientSampleId :



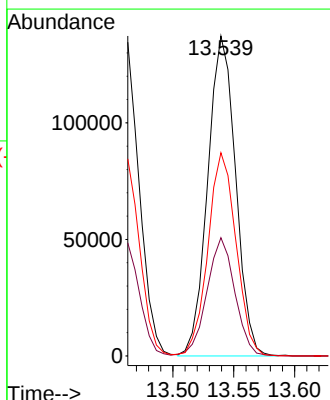
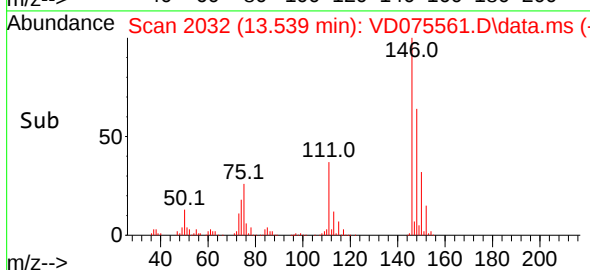
Tgt Ion:146 Resp: 214896
Ion Ratio Lower Upper
146 100
111 36.1 26.2 48.8
148 62.8 44.6 82.8

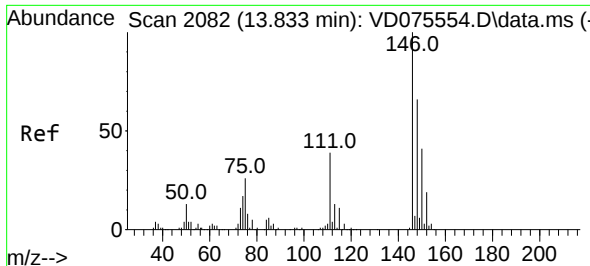


#65
1,4-Dichlorobenzene
Concen: 24.163 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075561.D
Acq: 31 Mar 2023 16:38



Tgt Ion:146 Resp: 219428
Ion Ratio Lower Upper
146 100
111 36.9 26.0 48.4
148 63.5 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 24.925 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

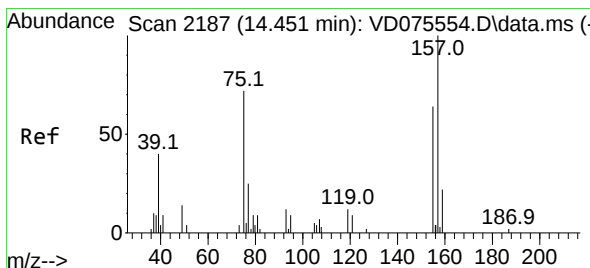
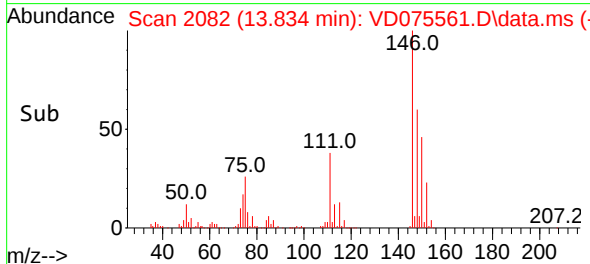
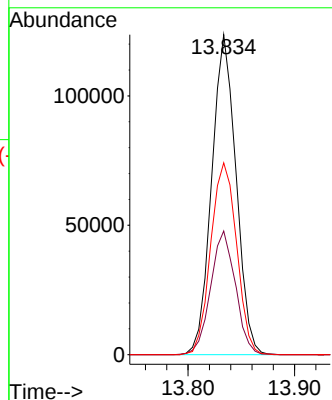
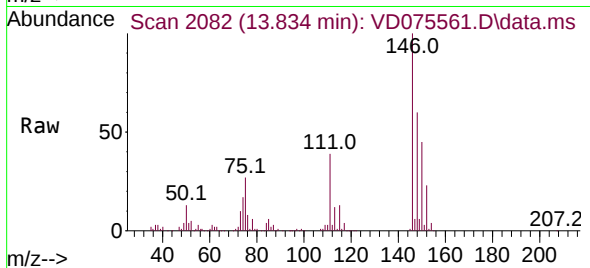
Tgt Ion:146 Resp: 196540

Ion Ratio Lower Upper

146 100

111 38.7 31.3 46.9

148 59.9 52.8 79.2



#68

1,2-Dibromo-3-chloropropane

Concen: 23.466 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

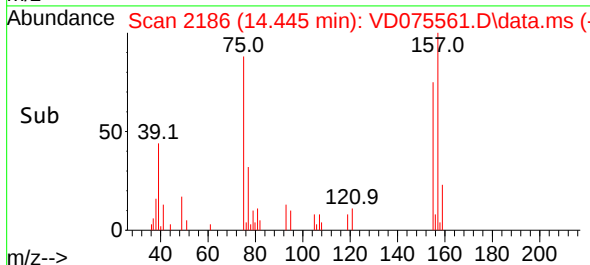
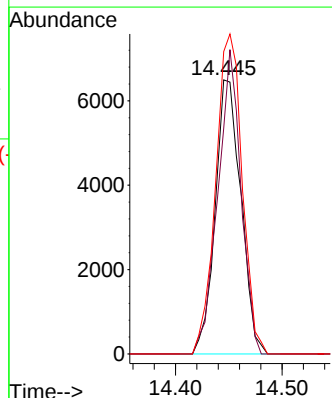
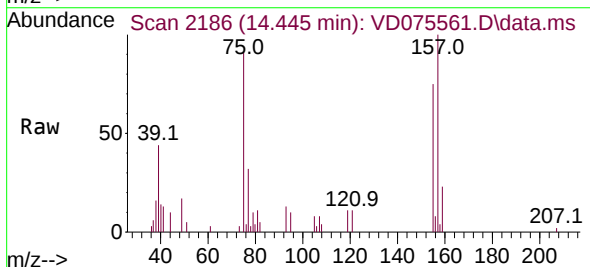
Tgt Ion: 75 Resp: 10892

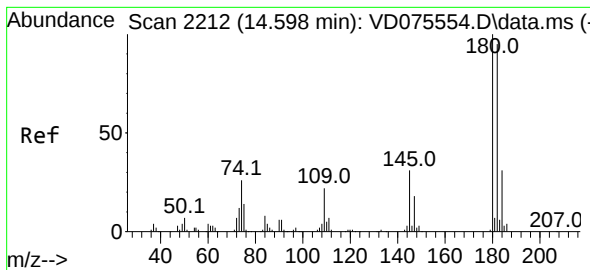
Ion Ratio Lower Upper

75 100

155 82.4 70.6 106.0

157 110.3 111.3 166.9#





#69

1,3,5-Trichlorobenzene

Concen: 24.335 ug/L

RT: 14.598 min Scan# 2212

Delta R.T. 0.000 min

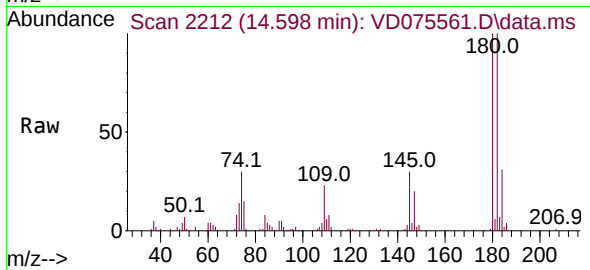
Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 130656

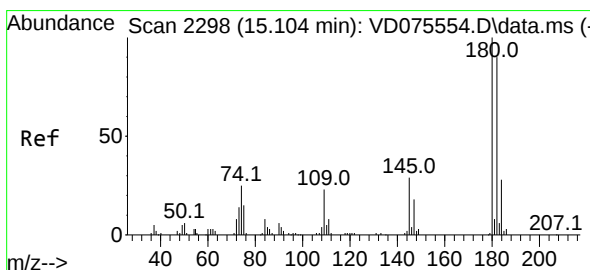
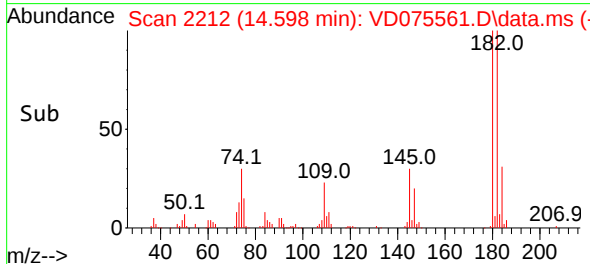
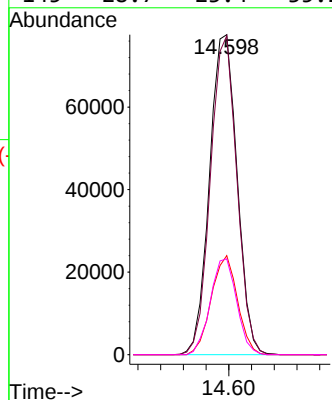
Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

184 29.5 24.6 36.8

145 28.7 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 24.283 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

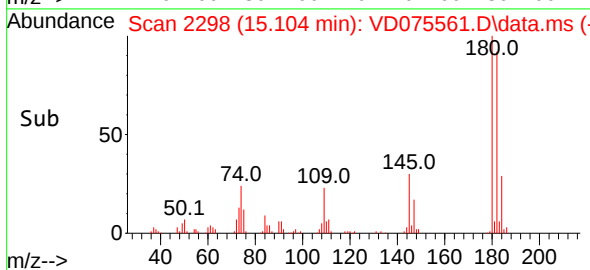
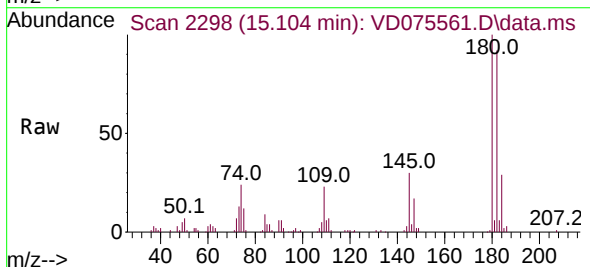
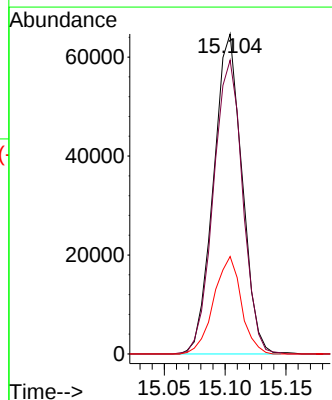
Tgt Ion:180 Resp: 105551

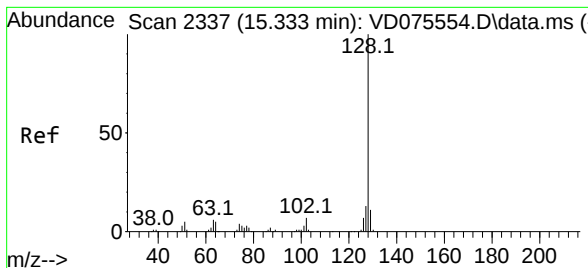
Ion Ratio Lower Upper

180 100

182 93.9 74.2 111.2

145 29.3 22.9 34.3





#71

Naphthalene

Concen: 24.650 ug/L

RT: 15.333 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Instrument :

MSVOA_D

ClientSampleId :

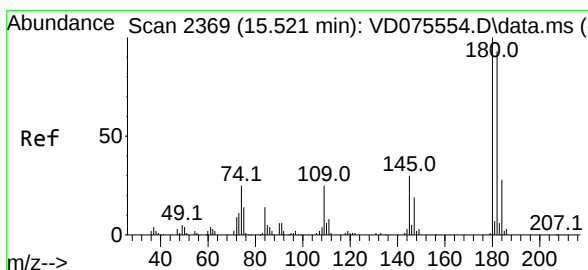
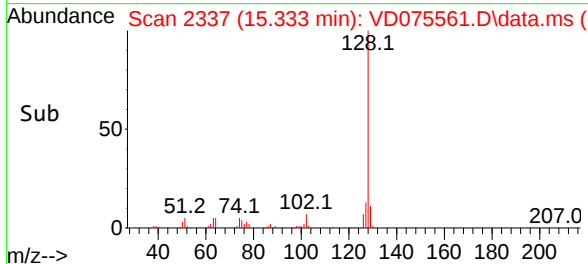
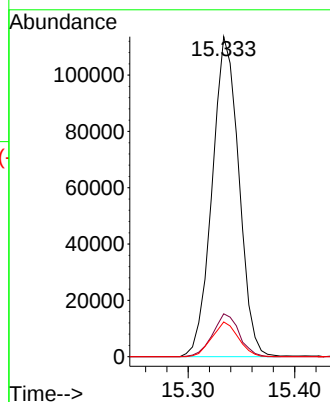
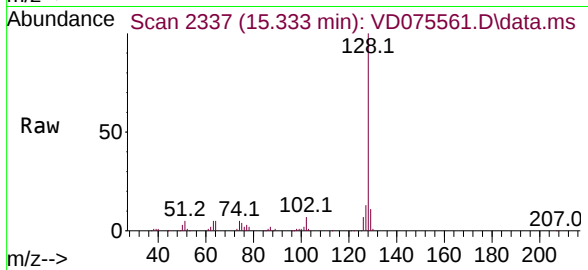
Tgt Ion:128 Resp: 198101

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.7 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 24.399 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD075561.D

Acq: 31 Mar 2023 16:38

Tgt Ion:180 Resp: 94999

Ion Ratio Lower Upper

180 100

182 96.2 75.4 113.0

145 31.9 25.2 37.8

