

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033023\
 Data File : VD075550.D
 Acq On : 30 Mar 2023 17:09
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 31 01:31:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 31 01:28:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	252266	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	228478	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	123583	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	103373	16.504	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.000%
7) Chloroethane-d5	2.805	69	114395	21.104	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	3.928	63	112604	19.246	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.000%
21) 2-Butanone-d5	6.981	46	16963	29.224	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.440%
24) Chloroform-d	7.569	84	174886	26.454	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.800%
26) 1,2-Dichloroethane-d4	8.228	65	72974	25.479	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.920%
32) Benzene-d6	8.199	84	309652	22.821	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.280%
36) 1,2-Dichloropropane-d6	9.210	67	94557	24.656	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.640%
41) Toluene-d8	10.269	98	285123	23.034	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.120%
43) trans-1,3-Dichloroprop...	10.528	79	38838	24.782	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.120%
47) 2-Hexanone-d5	10.875	63	29863	53.977	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.960%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	95543	29.783	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.120%
66) 1,2-Dichlorobenzene-d4	13.816	152	112448	26.013	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.040%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	84101	21.670	ug/L	99
3) Chloromethane	2.146	50	114611	17.560	ug/L	99
5) Vinyl chloride	2.287	62	181363	22.096	ug/L	98
6) Bromomethane	2.699	94	125278	32.204	ug/L	98
8) Chloroethane	2.840	64	126988	24.602	ug/L	93
9) Trichlorofluoromethane	3.181	101	158128	25.735	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	108883	25.651	ug/L	96
12) 1,1-Dichloroethene	3.940	96	88078	23.564	ug/L	94
13) Acetone	4.017	43	29140	44.441	ug/L	94
14) Carbon disulfide	4.275	76	212957	20.376	ug/L	97
15) Methyl Acetate	4.558	43	24820	22.306	ug/L #	86
16) Methylene chloride	4.799	84	128242	24.070	ug/L	93
17) trans-1,2-Dichloroethene	5.317	96	98615	24.613	ug/L	94
18) Methyl tert-butyl Ether	5.317	73	183740	24.676	ug/L	98
19) 1,1-Dichloroethane	6.111	63	166743	24.601	ug/L	93
20) cis-1,2-Dichloroethene	7.081	96	116503	25.740	ug/L	91
22) 2-Butanone	7.081	43	34043	40.914	ug/L	91
23) Bromochloromethane	7.428	128	53070	27.369	ug/L	91
25) Chloroform	7.593	83	195105	26.399	ug/L	94

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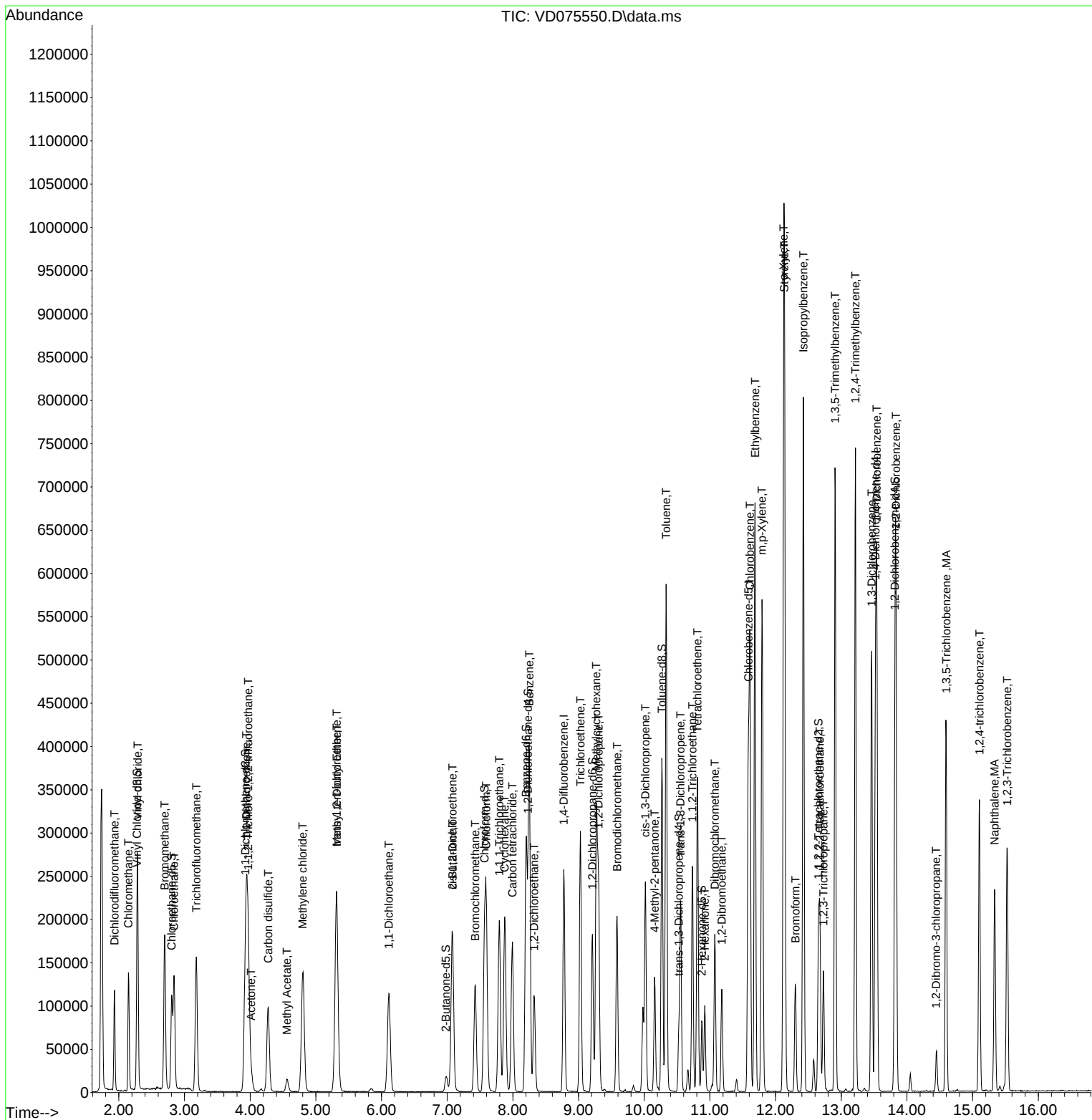
Instrument :
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 ClientSampleId :

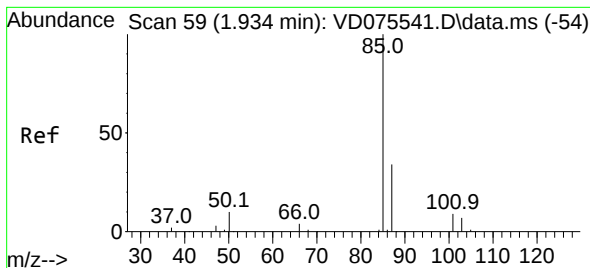
Quant Time: Mar 31 01:31:15 2023
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 Quant Title : SFAM01.0
 QLast Update : Fri Mar 31 01:28:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	98437	24.699	ug/L	97
29) Cyclohexane	7.875	56	105799	21.641	ug/L	92
30) 1,1,1-Trichloroethane	7.793	97	165181	26.887	ug/L	96
31) Carbon tetrachloride	7.993	117	131718	26.994	ug/L	98
33) Benzene	8.252	78	415410	25.299	ug/L	100
34) Trichloroethene	9.028	95	107731	25.123	ug/L	96
35) Methylcyclohexane	9.269	83	158397	23.661	ug/L	96
37) 1,2-Dichloropropane	9.305	63	99225	24.592	ug/L	98
38) Bromodichloromethane	9.587	83	145494	27.259	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	156537	25.350	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	74511	48.154	ug/L	97
42) Toluene	10.334	91	477705	26.575	ug/L	97
44) trans-1,3-Dichloropropene	10.552	75	133169	26.175	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	90069	27.948	ug/L	98
46) Tetrachloroethene	10.810	164	85537	26.032	ug/L	95
48) 2-Hexanone	10.922	43	53365	46.874	ug/L #	97
49) Dibromochloromethane	11.075	129	100157	28.451	ug/L	95
50) 1,2-Dibromoethane	11.181	107	80717	27.708	ug/L	97
51) Chlorobenzene	11.610	112	309034	26.450	ug/L	99
52) Ethylbenzene	11.687	91	516921	27.041	ug/L	99
53) m,p-Xylene	11.793	106	202890	26.938	ug/L	100
54) o-Xylene	12.122	106	196067	27.519	ug/L	100
55) Styrene	12.134	104	359768	28.431	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	96745	27.429	ug/L	96
59) Bromoform	12.304	173	57960	25.991	ug/L	99
60) Isopropylbenzene	12.422	105	533803	25.683	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	59671	24.087	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	402709	25.810	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	400599	26.258	ug/L	98
64) 1,3-Dichlorobenzene	13.463	146	233825	25.431	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	242949	25.687	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	205936	25.138	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	11947	24.833	ug/L	89
69) 1,3,5-Trichlorobenzene	14.598	180	141894	24.610	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	112300	24.224	ug/L	97
71) Naphthalene	15.334	128	215797	23.470	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	102850	25.170	ug/L	98

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

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Response via : Initial Calibration

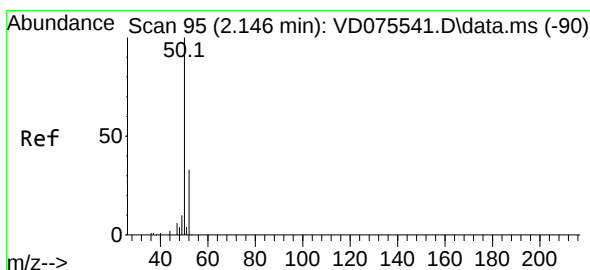
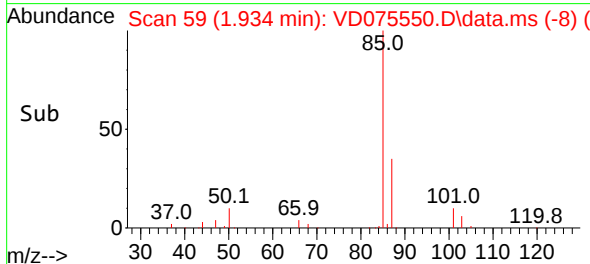
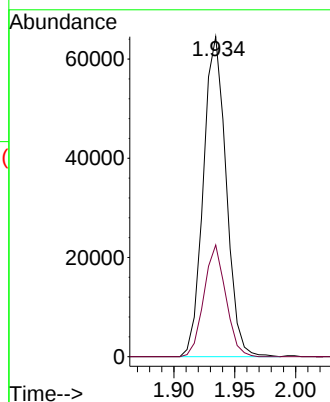
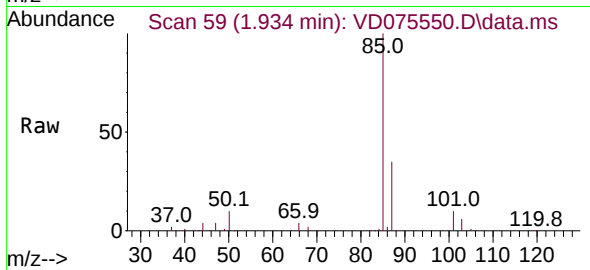




#2
Dichlorodifluoromethane
Concen: 21.670 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

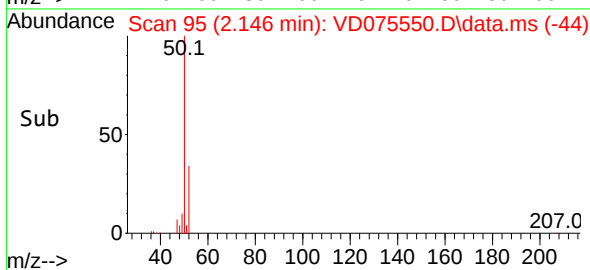
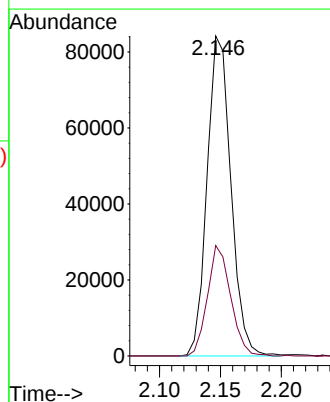
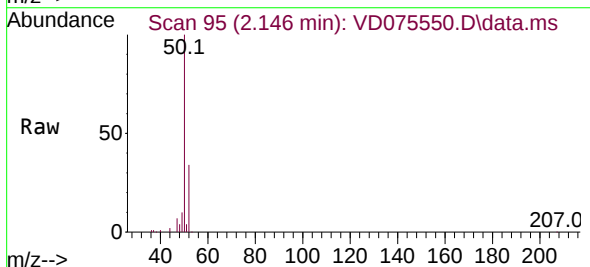
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MSVOA_D
ClientSampleId :

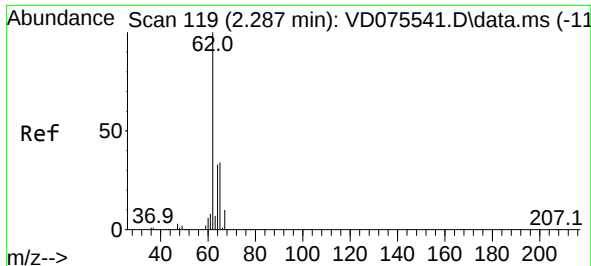
Tgt Ion: 85 Resp: 84101
Ion Ratio Lower Upper
85 100
87 33.4 26.4 39.6



#3
Chloromethane
Concen: 17.560 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion: 50 Resp: 114611
Ion Ratio Lower Upper
50 100
52 34.5 23.7 43.9

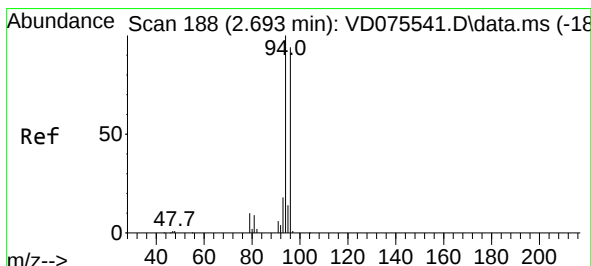
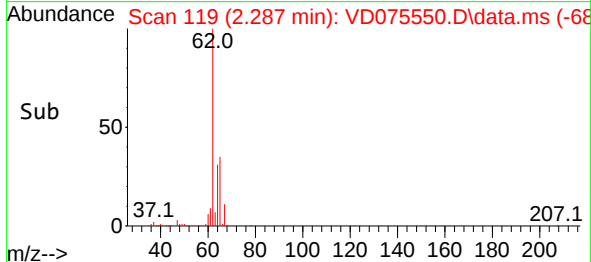
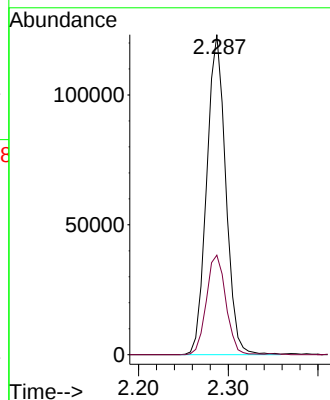
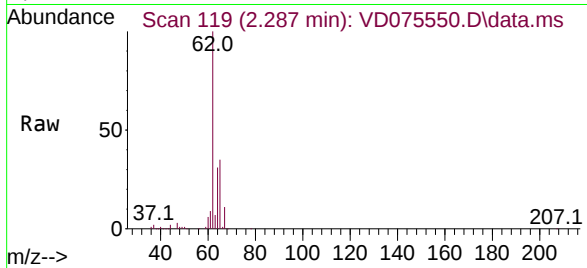




#5
 Vinyl chloride
 Concen: 22.096 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

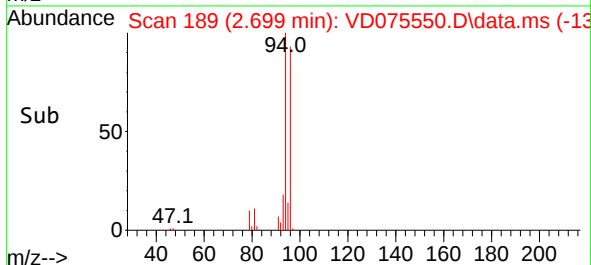
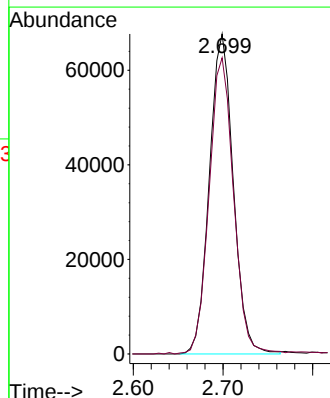
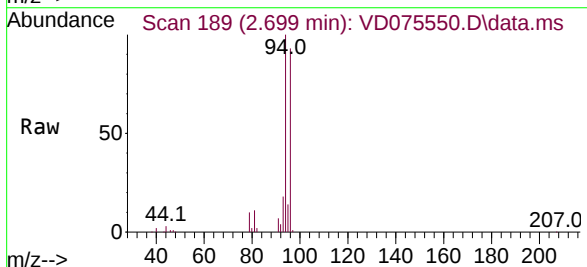
Instrument :
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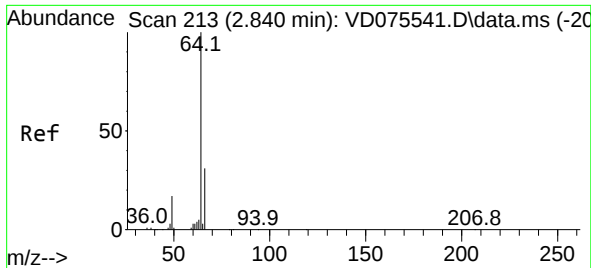
Tgt Ion: 62 Resp: 181363
 Ion Ratio Lower Upper
 62 100
 64 31.1 22.7 42.3



#6
 Bromomethane
 Concen: 32.204 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.006 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

Tgt Ion: 94 Resp: 125278
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.9 122.5

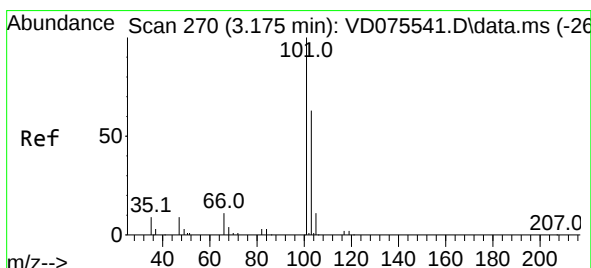
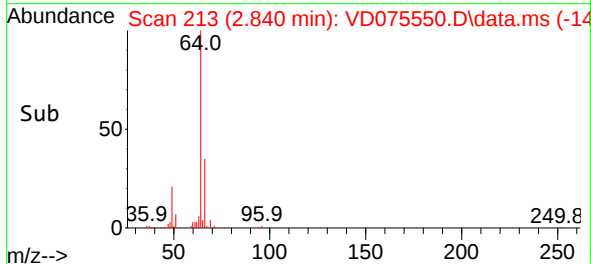
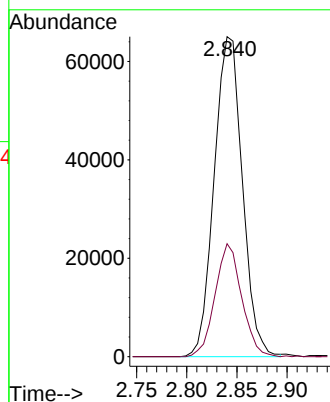
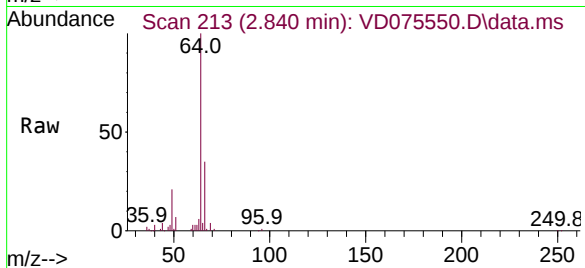




#8
Chloroethane
Concen: 24.602 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

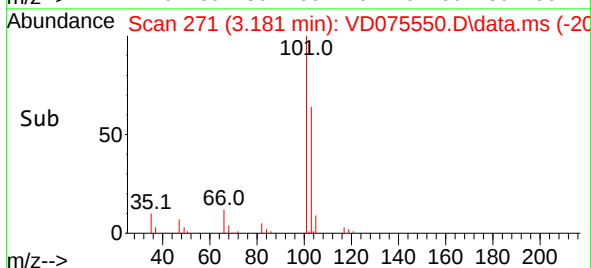
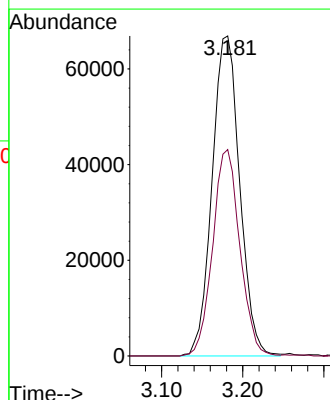
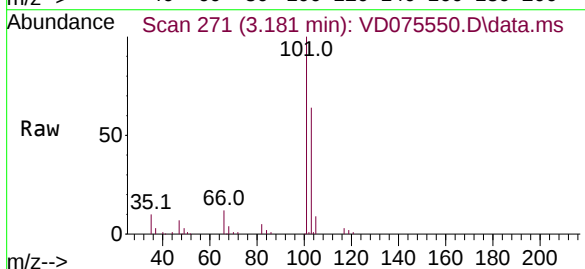
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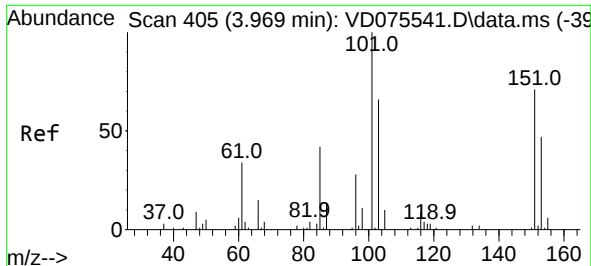
Tgt Ion: 64 Resp: 126988
Ion Ratio Lower Upper
64 100
66 35.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 25.735 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.006 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion:101 Resp: 158128
Ion Ratio Lower Upper
101 100
103 63.4 51.8 77.8

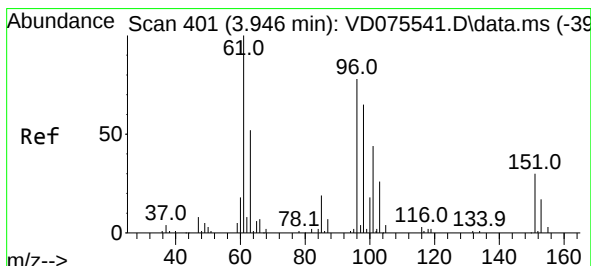
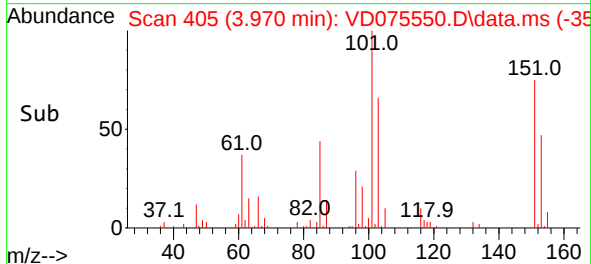
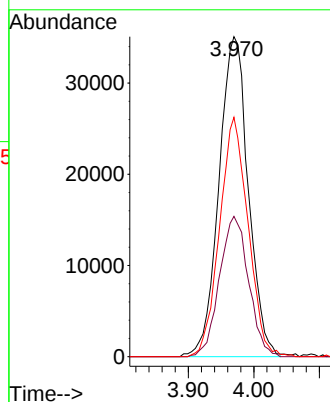
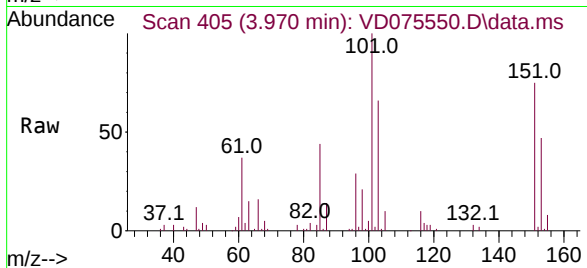




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.651 ug/L
 RT: 3.970 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

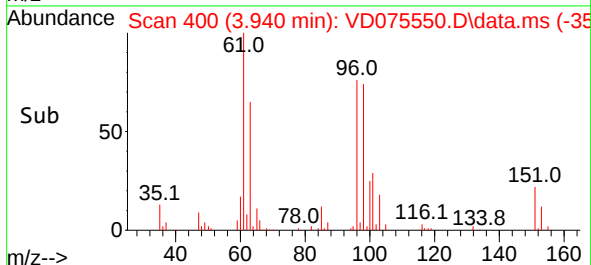
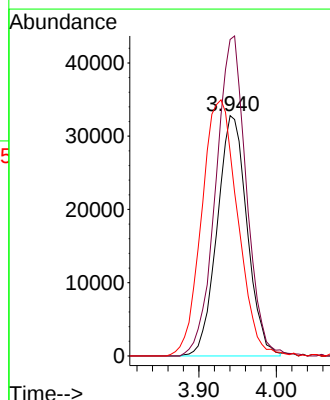
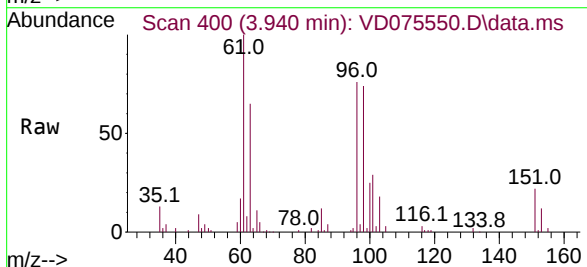
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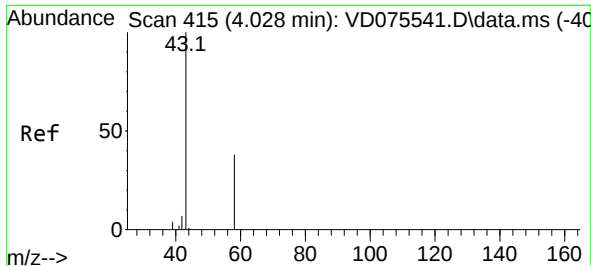
Tgt Ion:101 Resp: 108883
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.0 51.0
 151 72.7 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 23.564 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

Tgt Ion: 96 Resp: 88078
 Ion Ratio Lower Upper
 96 100
 61 131.7 97.5 181.1
 63 85.0 62.4 116.0





#13

Acetone

Concen: 44.441 ug/L

RT: 4.017 min Scan# 41

Delta R.T. -0.012 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

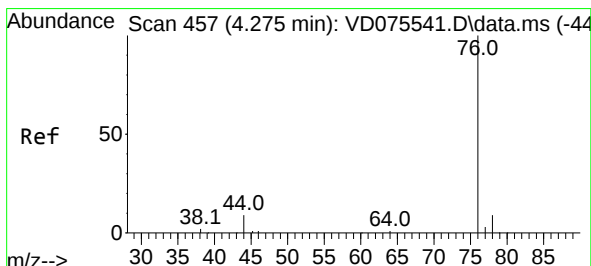
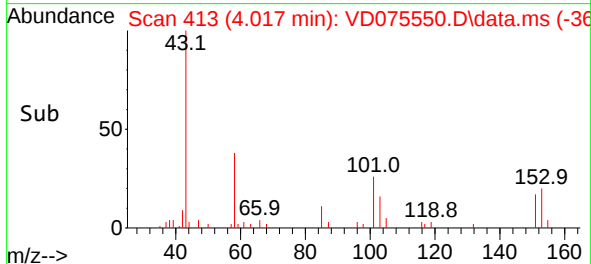
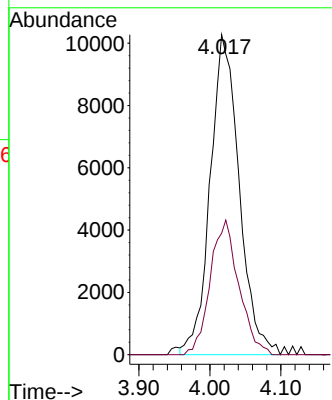
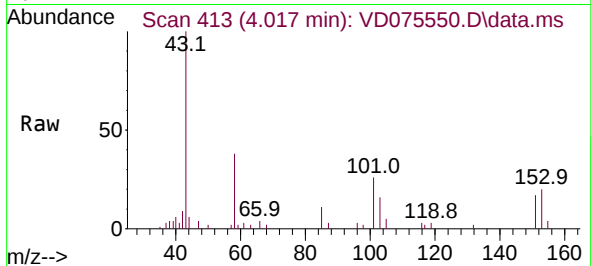
ClientSampleId :

Tgt Ion: 43 Resp: 29140

Ion Ratio Lower Upper

43 100

58 41.5 0.0 75.4



#14

Carbon disulfide

Concen: 20.376 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD075550.D

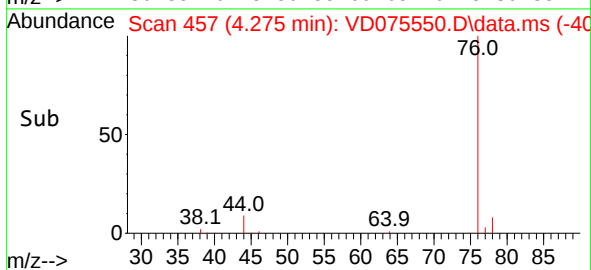
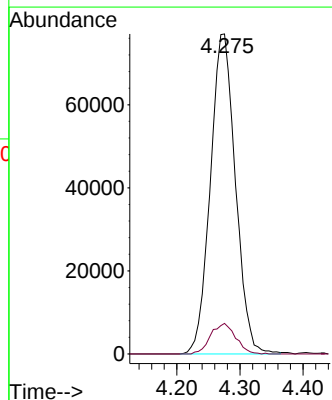
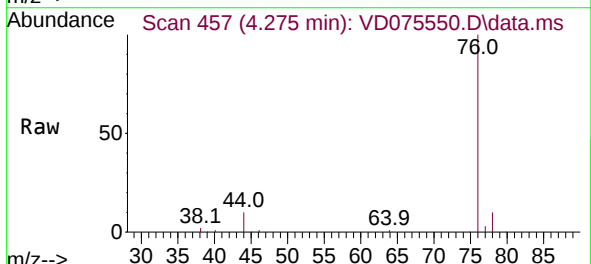
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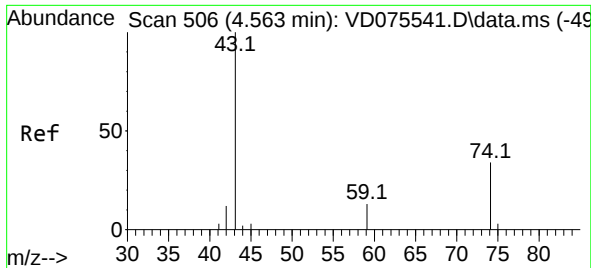
Tgt Ion: 76 Resp: 212957

Ion Ratio Lower Upper

76 100

78 9.5 6.8 10.2

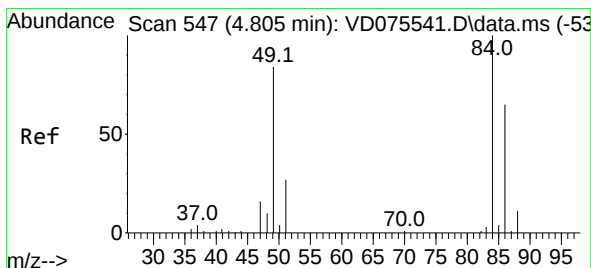
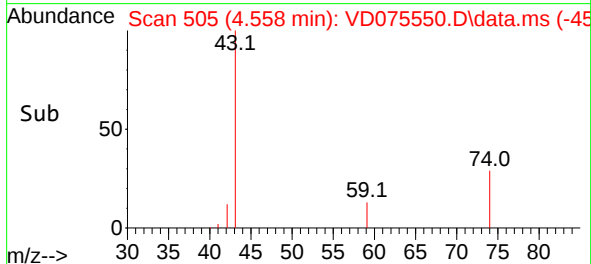
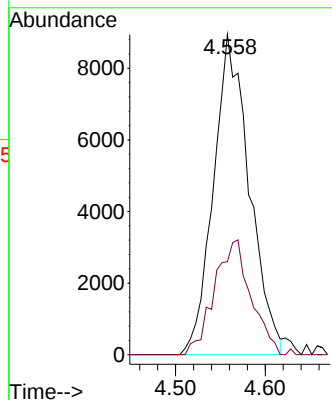
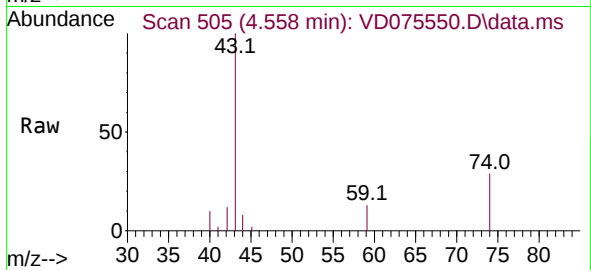




#15
Methyl Acetate
Concen: 22.306 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

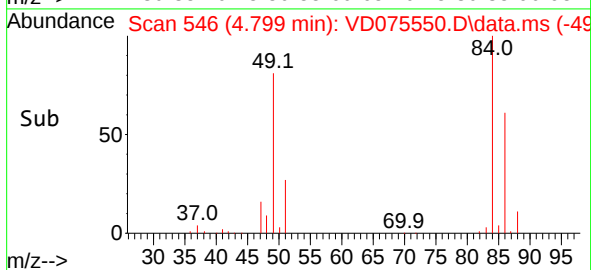
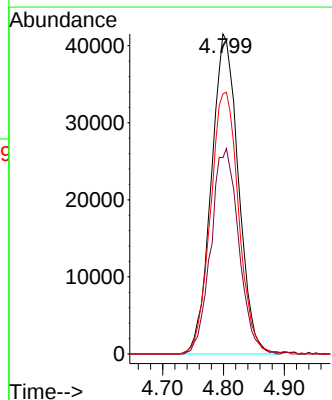
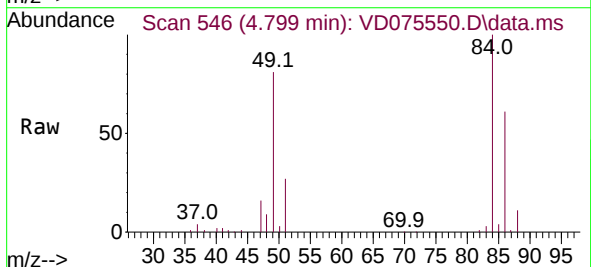
Instrument :
MSVOA_D
ClientSampleId :

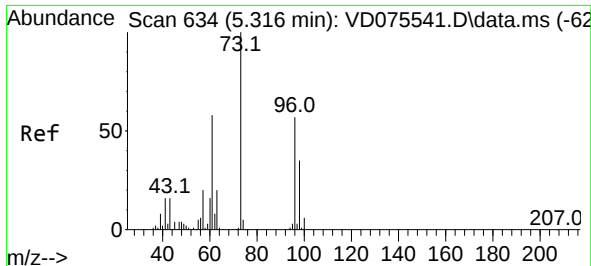
Tgt Ion: 43 Resp: 24820
Ion Ratio Lower Upper
43 100
74 24.2 25.7 38.5#



#16
Methylene chloride
Concen: 24.070 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion: 84 Resp: 128242
Ion Ratio Lower Upper
84 100
86 61.3 44.2 82.2
49 81.3 63.6 118.2

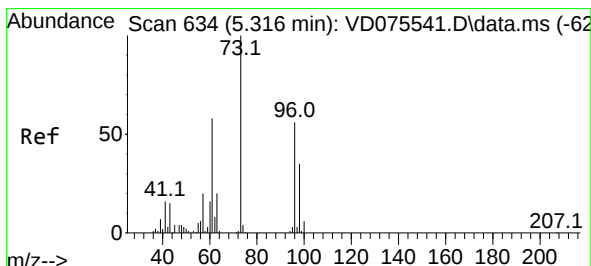
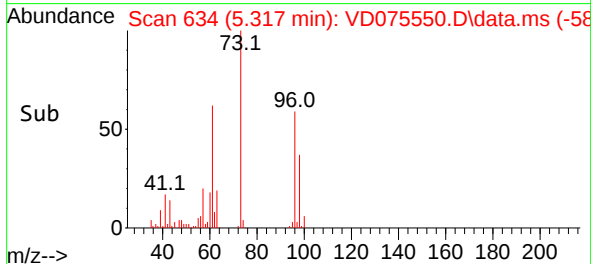
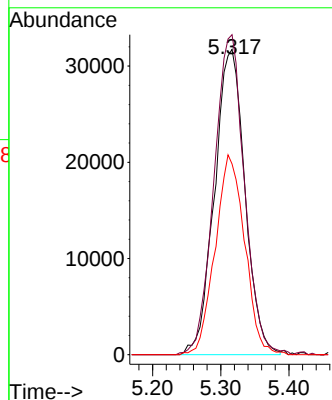
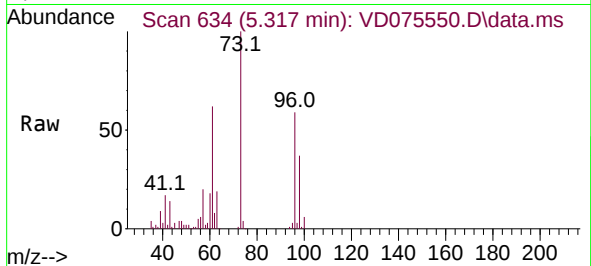




#17
trans-1,2-Dichloroethene
Concen: 24.613 ug/L
RT: 5.317 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

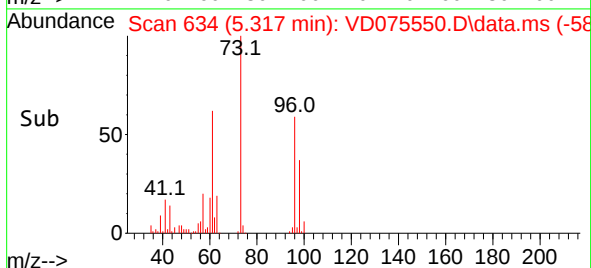
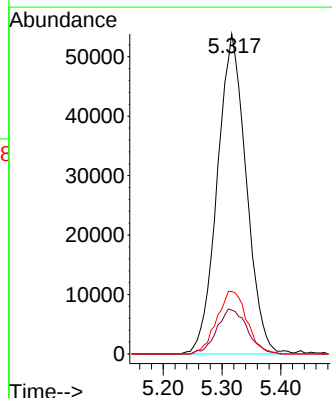
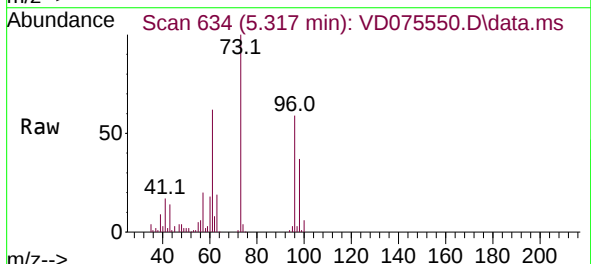
Instrument :
MSVOA_D
ClientSampleId :

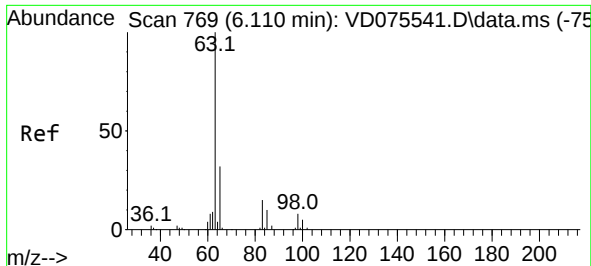
Tgt Ion: 96 Resp: 98615
Ion Ratio Lower Upper
96 100
61 104.8 77.8 144.6
98 62.5 47.0 87.4



#18
Methyl tert-butyl Ether
Concen: 24.676 ug/L
RT: 5.317 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion: 73 Resp: 183740
Ion Ratio Lower Upper
73 100
43 14.5 12.1 18.1
57 20.3 17.0 25.4





#19

1,1-Dichloroethane

Concen: 24.601 ug/L

RT: 6.111 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

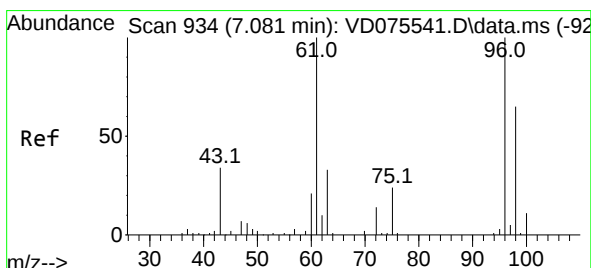
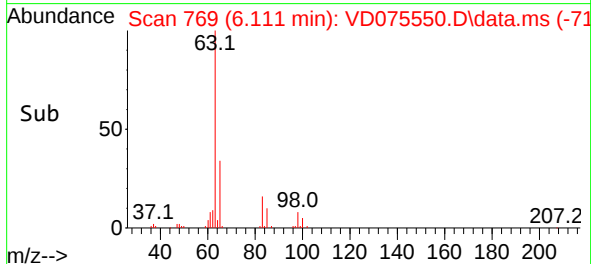
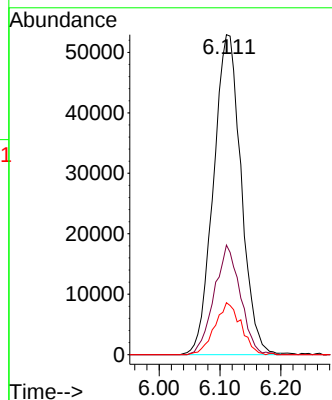
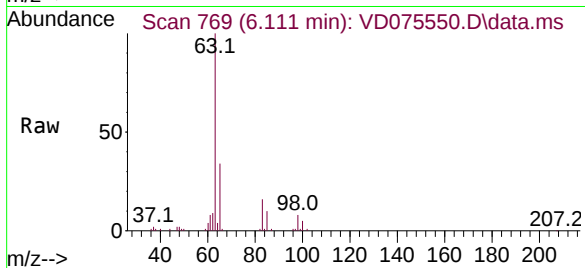
Tgt Ion: 63 Resp: 166743

Ion Ratio Lower Upper

63 100

65 34.2 21.1 39.3

83 16.3 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 25.740 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

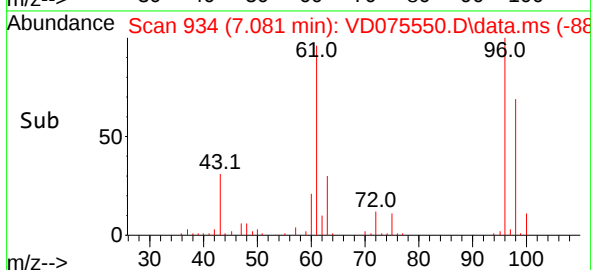
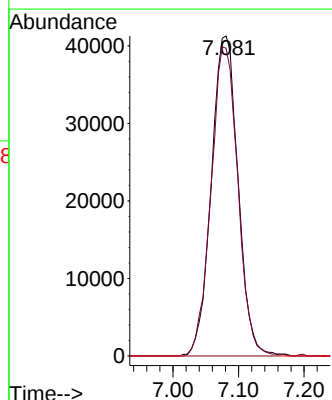
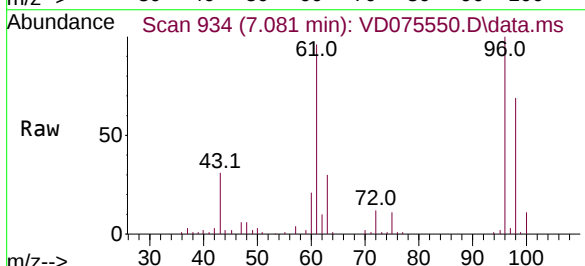
Tgt Ion: 96 Resp: 116503

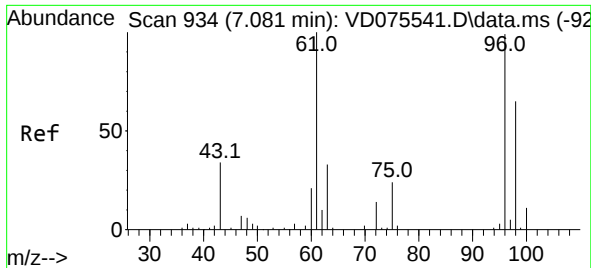
Ion Ratio Lower Upper

96 100

61 96.1 73.9 137.3

68 0.0 0.0 0.0

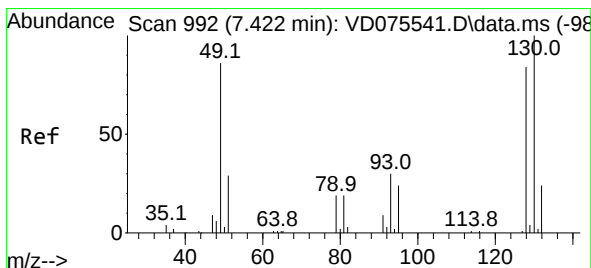
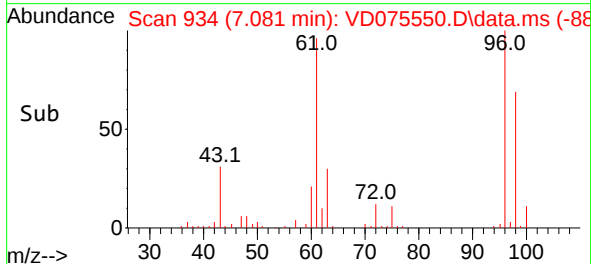
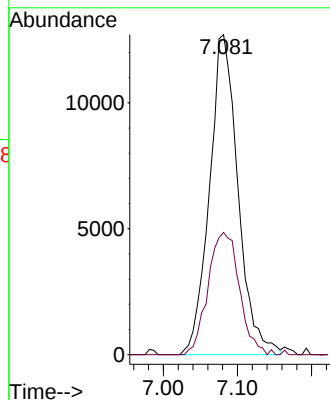
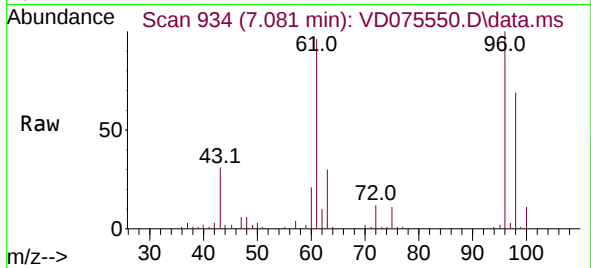




#22
2-Butanone
Concen: 40.914 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

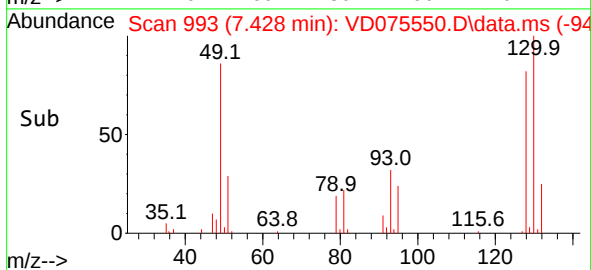
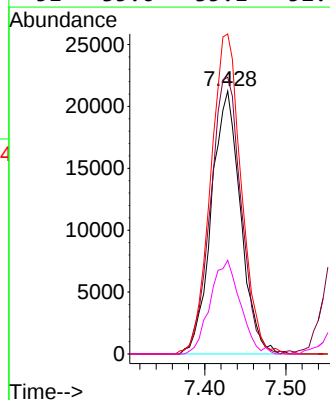
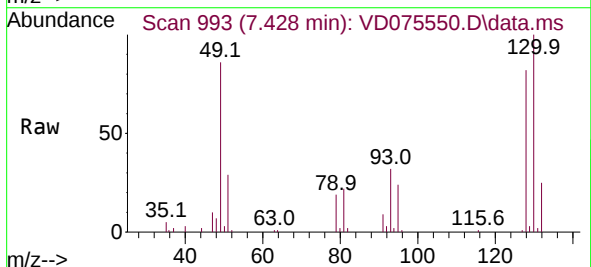
Instrument :
MSVOA_D
ClientSampleId :

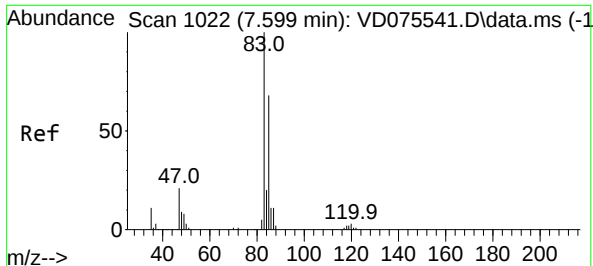
Tgt Ion: 43 Resp: 34043
Ion Ratio Lower Upper
43 100
72 41.8 18.3 54.9



#23
Bromochloromethane
Concen: 27.369 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.006 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion:128 Resp: 53070
Ion Ratio Lower Upper
128 100
49 105.2 84.2 156.4
130 121.7 82.5 153.1
51 35.6 35.1 52.7





#25

Chloroform

Concen: 26.399 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

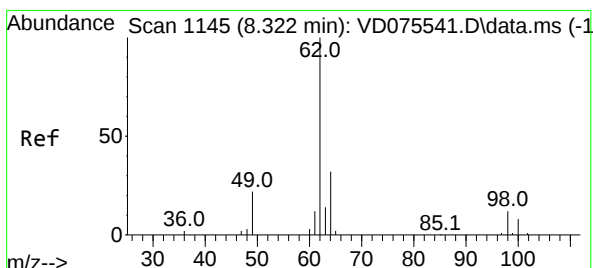
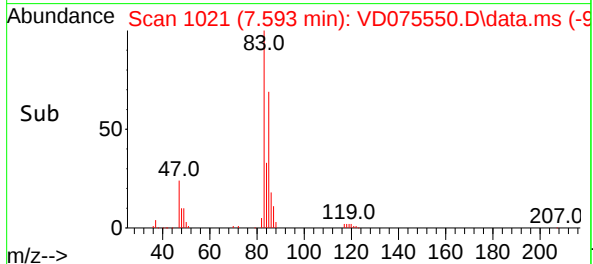
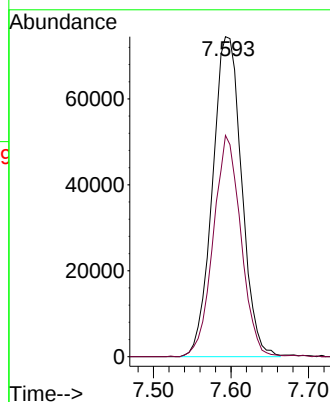
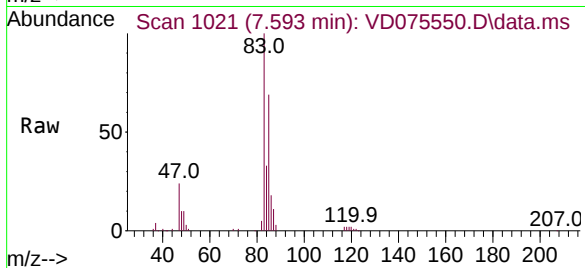
ClientSampleId :

Tgt Ion: 83 Resp: 195105

Ion Ratio Lower Upper

83 100

85 69.2 44.9 83.3



#27

1,2-Dichloroethane

Concen: 24.699 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VD075550.D

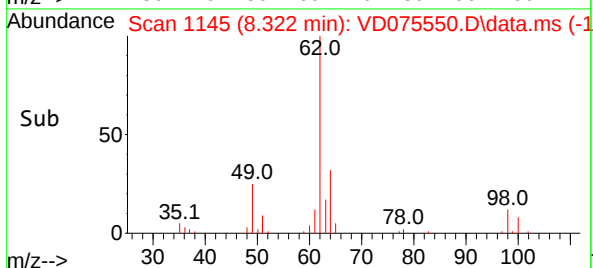
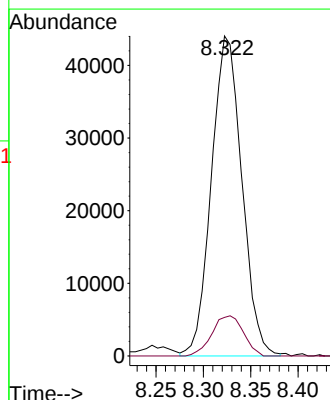
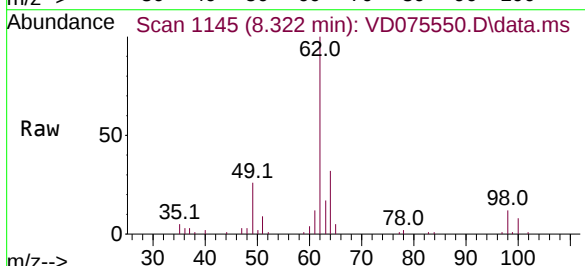
Acq: 30 Mar 2023 17:09

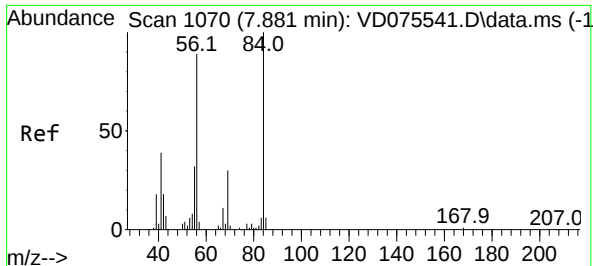
Tgt Ion: 62 Resp: 98437

Ion Ratio Lower Upper

62 100

98 12.1 8.8 13.2





#29

Cyclohexane

Concen: 21.641 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

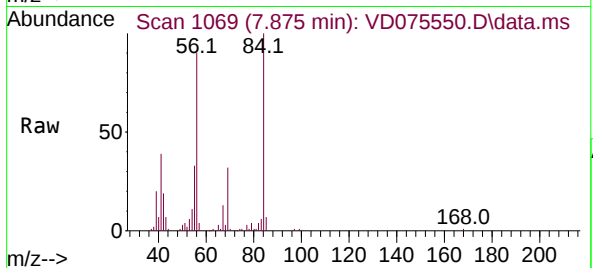
Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :



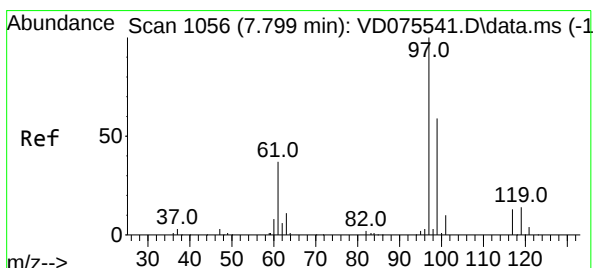
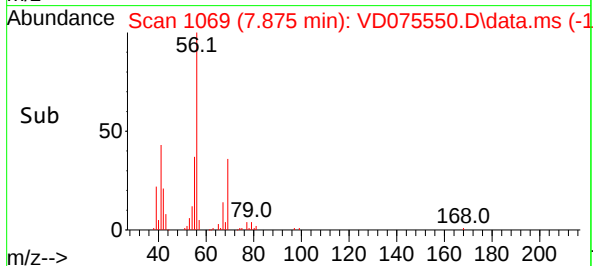
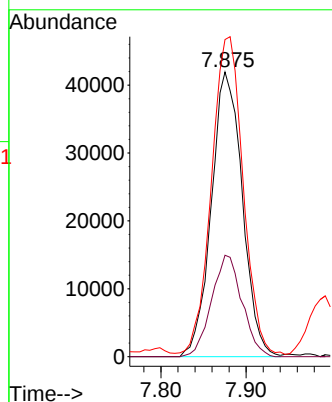
Tgt Ion: 56 Resp: 105799

Ion Ratio Lower Upper

56 100

69 35.1 27.0 40.6

84 115.9 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 26.887 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

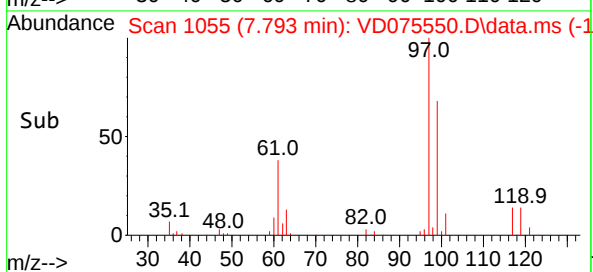
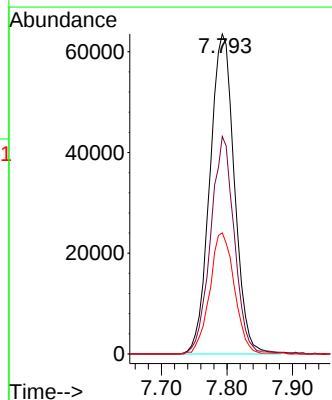
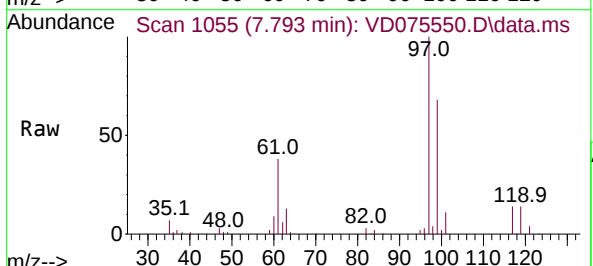
Tgt Ion: 97 Resp: 165181

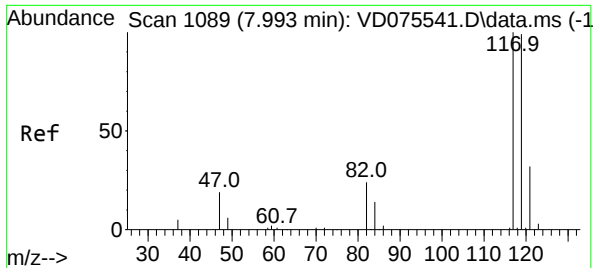
Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.4

61 37.3 34.0 51.0

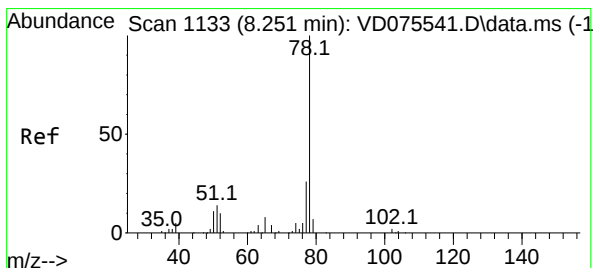
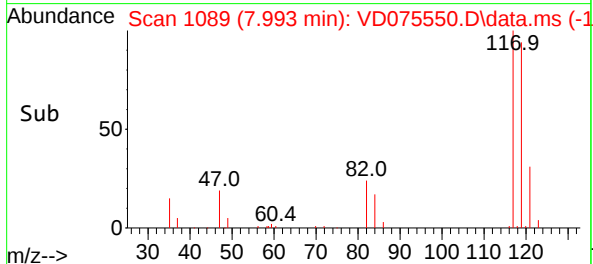
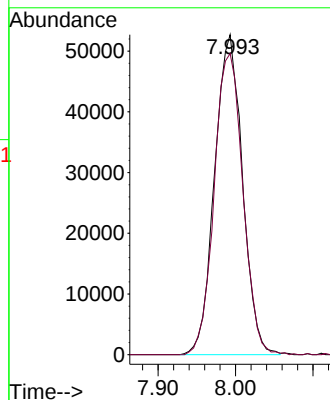
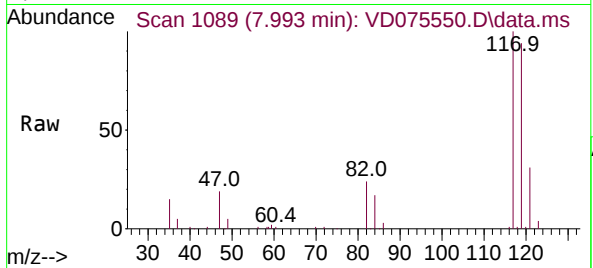




#31
Carbon tetrachloride
Concen: 26.994 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

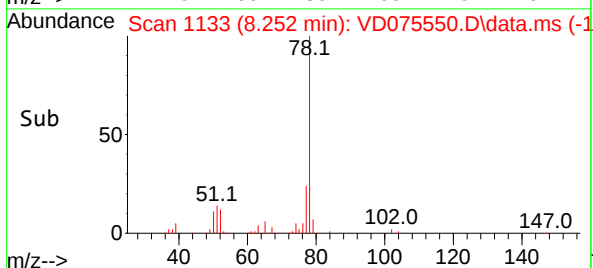
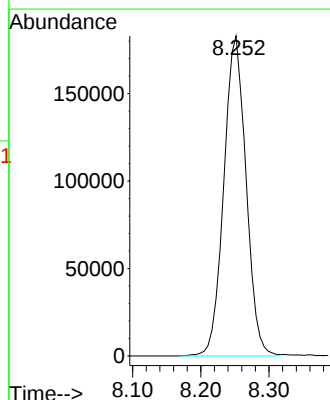
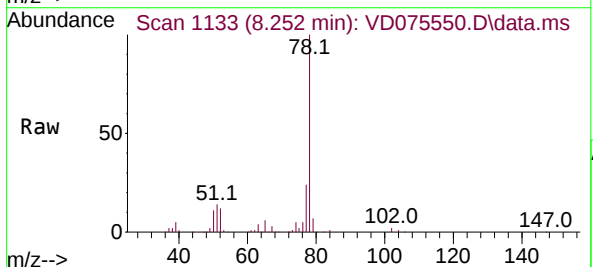
Instrument :
MSVOA_D
ClientSampleId :

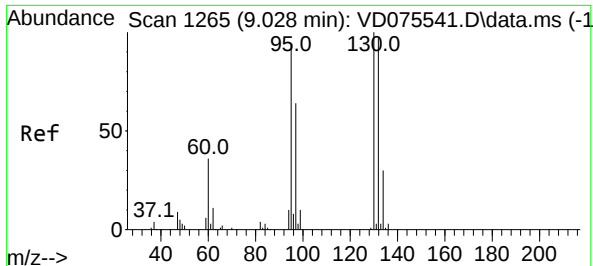
Tgt Ion:117 Resp: 131718
Ion Ratio Lower Upper
117 100
119 96.8 76.2 114.2



#33
Benzene
Concen: 25.299 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

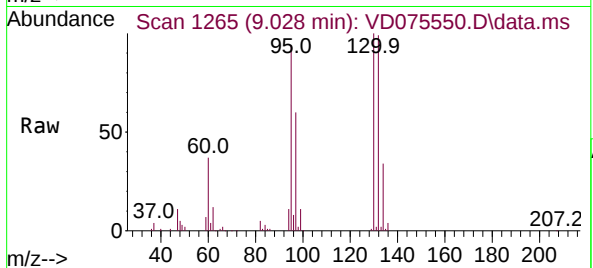
Tgt Ion: 78 Resp: 415410



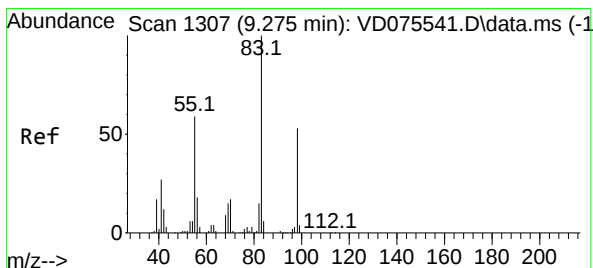
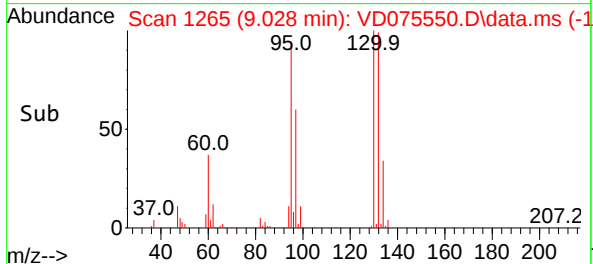
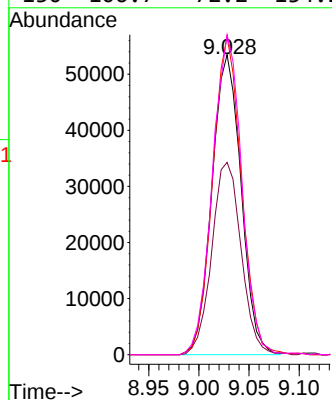


#34
Trichloroethene
Concen: 25.123 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :

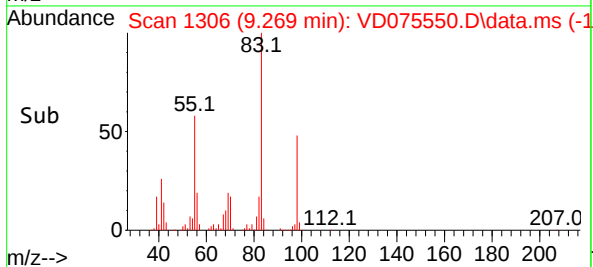
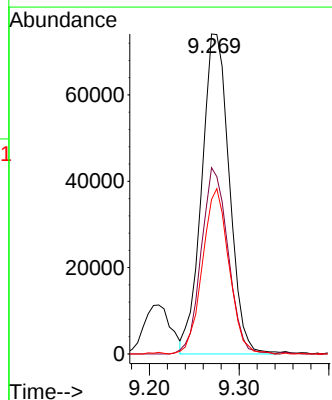
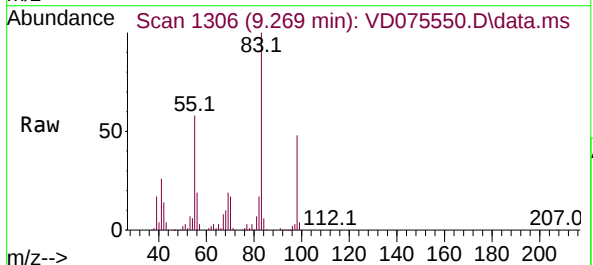


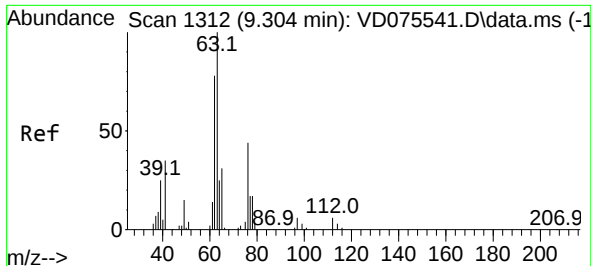
Tgt Ion: 95 Resp: 107731
Ion Ratio Lower Upper
95 100
97 64.1 44.7 83.1
132 106.1 70.0 130.0
130 106.7 72.2 134.2



#35
Methylcyclohexane
Concen: 23.661 ug/L
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion: 83 Resp: 158397
Ion Ratio Lower Upper
83 100
55 56.4 49.3 73.9
98 49.5 39.8 59.6





#37

1,2-Dichloropropane

Concen: 24.592 ug/L

RT: 9.305 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

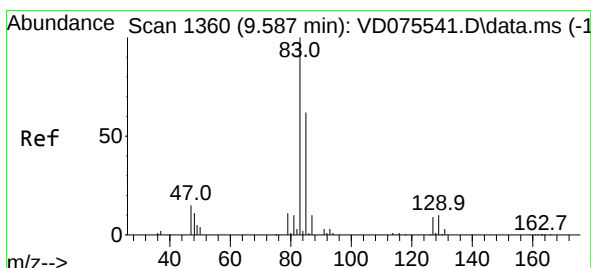
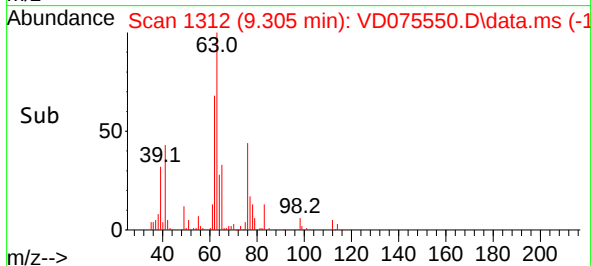
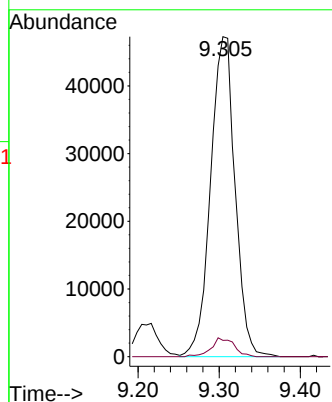
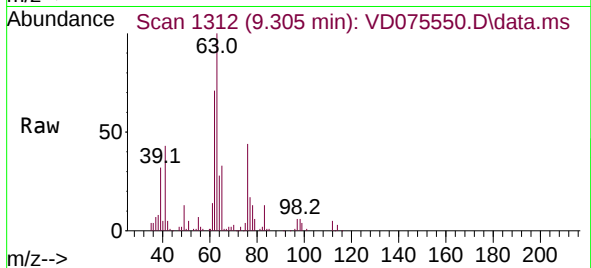
ClientSampleId :

Tgt Ion: 63 Resp: 99225

Ion Ratio Lower Upper

63 100

112 5.3 3.8 5.6



#38

Bromodichloromethane

Concen: 27.259 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

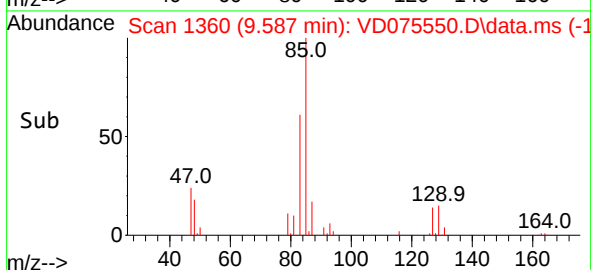
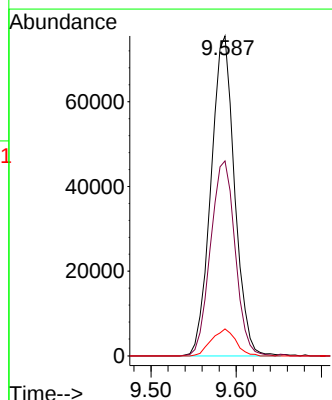
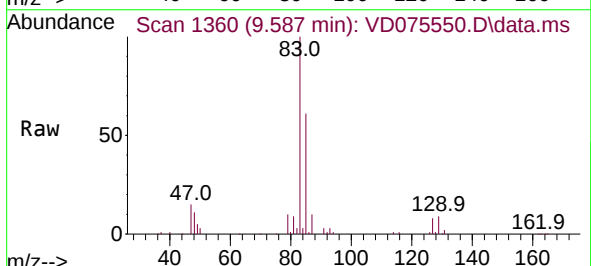
Tgt Ion: 83 Resp: 145494

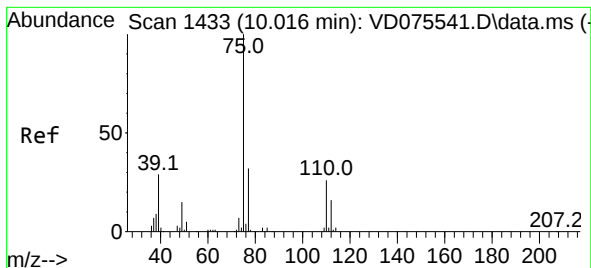
Ion Ratio Lower Upper

83 100

85 61.0 44.6 82.8

127 8.4 6.6 9.8

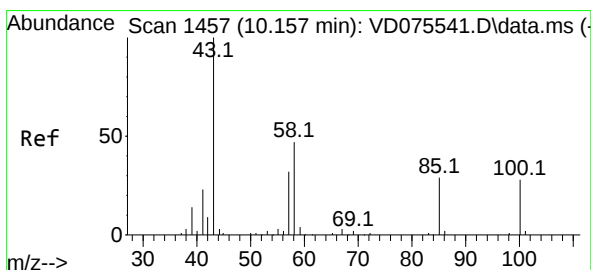
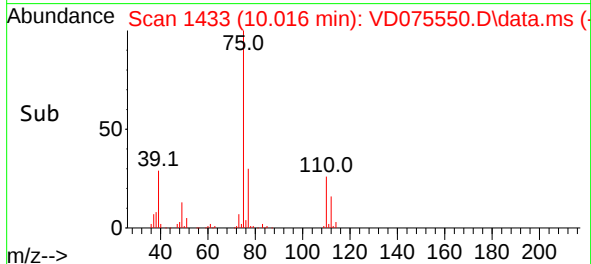
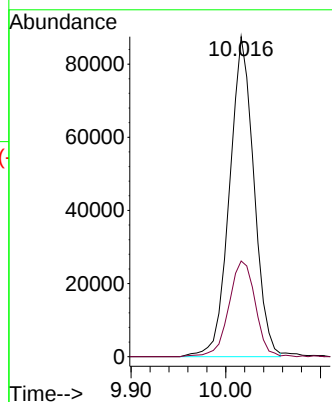
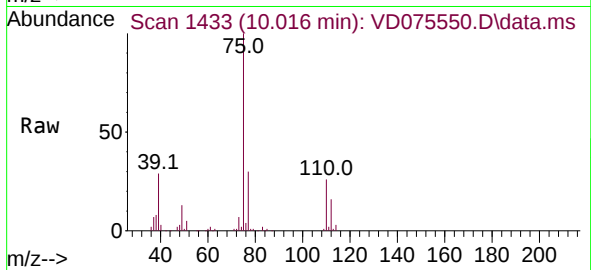




#39
 cis-1,3-Dichloropropene
 Concen: 25.350 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

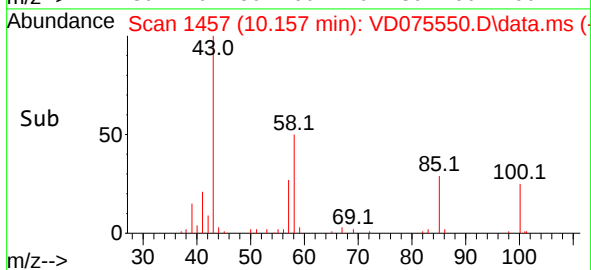
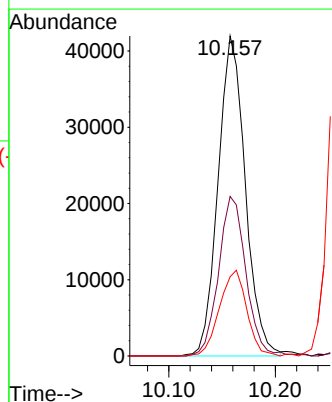
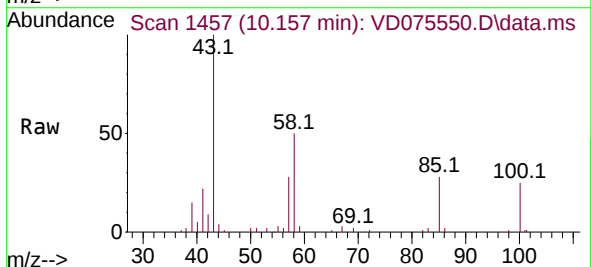
Instrument :
 MSVOA_D
 ClientSampleId :

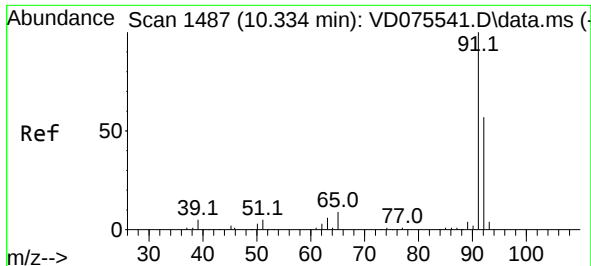
Tgt Ion: 75 Resp: 156537
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 48.154 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

Tgt Ion: 43 Resp: 74511
 Ion Ratio Lower Upper
 43 100
 58 49.9 39.0 58.6
 100 26.8 18.7 28.1

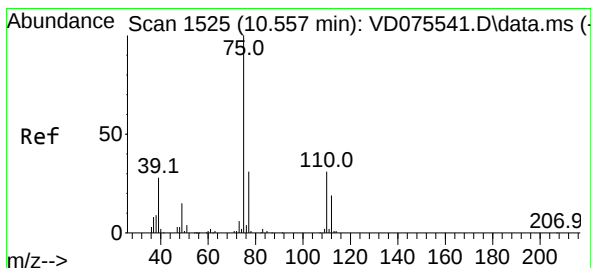
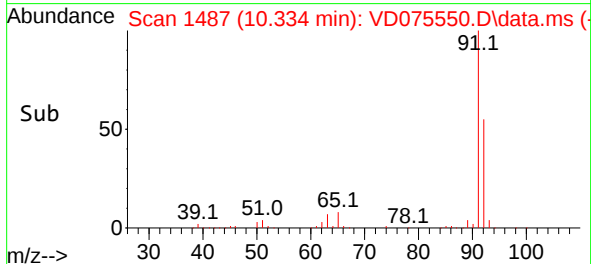
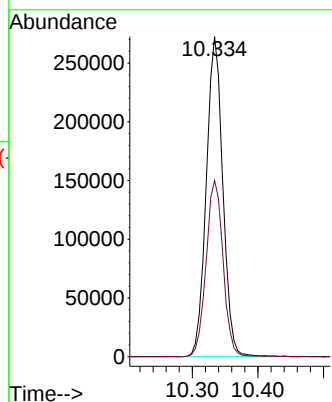
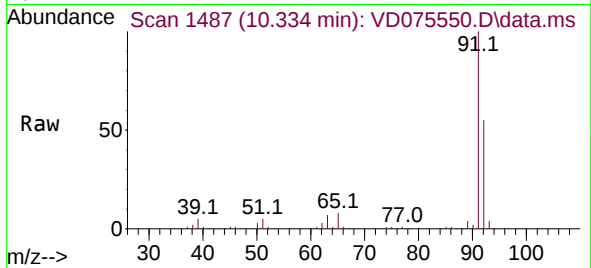




#42
Toluene
Concen: 26.575 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

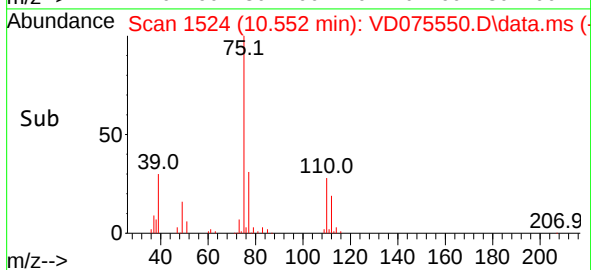
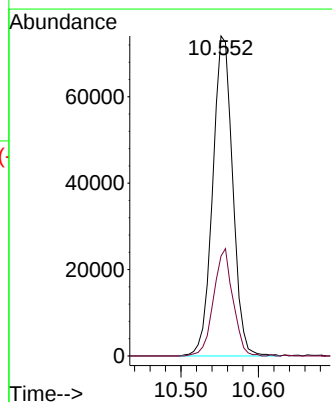
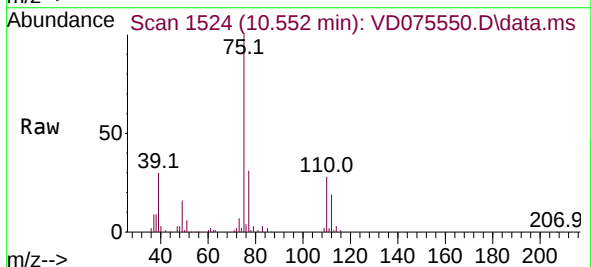
Instrument :
MSVOA_D
ClientSampleId :

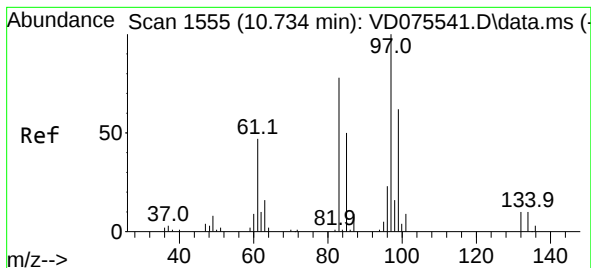
Tgt Ion: 91 Resp: 477705
Ion Ratio Lower Upper
91 100
92 55.1 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 26.175 ug/L
RT: 10.552 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion: 75 Resp: 133169
Ion Ratio Lower Upper
75 100
77 31.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 27.948 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 90069

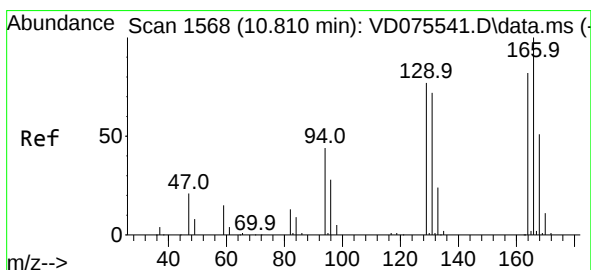
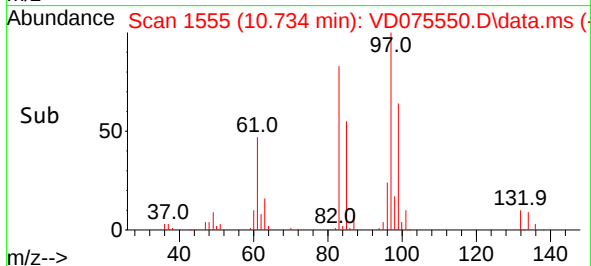
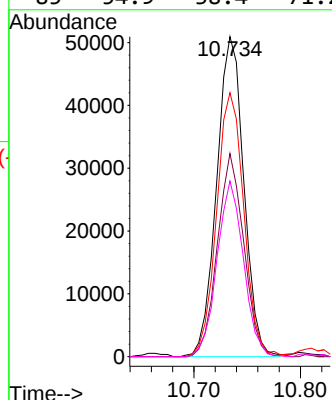
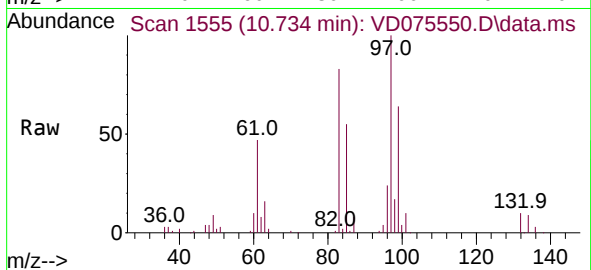
Ion Ratio Lower Upper

97 100

99 63.5 40.9 76.0

83 82.5 57.7 107.1

85 54.9 38.4 71.2



#46

Tetrachloroethene

Concen: 26.032 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Tgt Ion:164 Resp: 85537

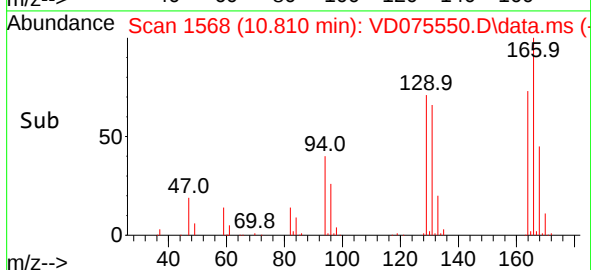
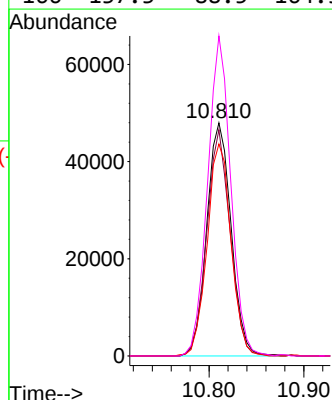
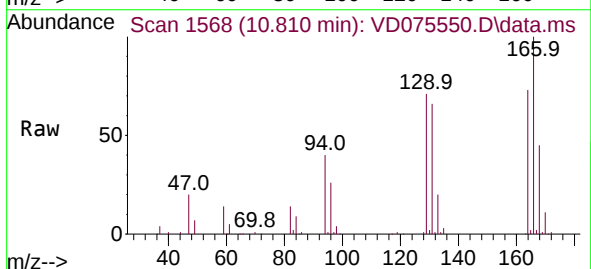
Ion Ratio Lower Upper

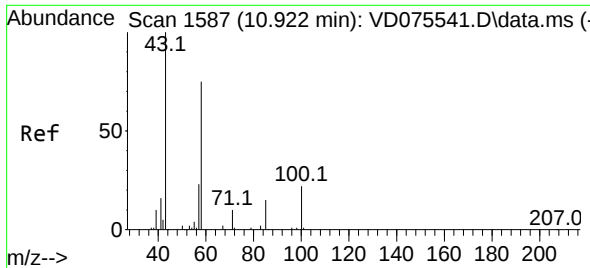
164 100

129 97.0 65.4 121.4

131 90.9 64.1 119.1

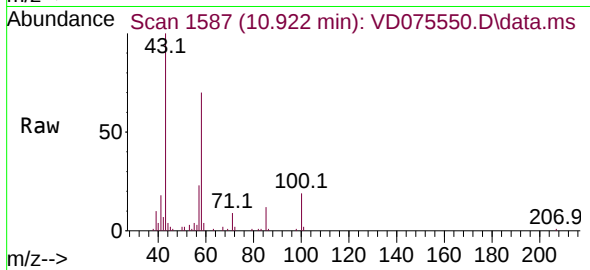
166 137.3 88.5 164.3



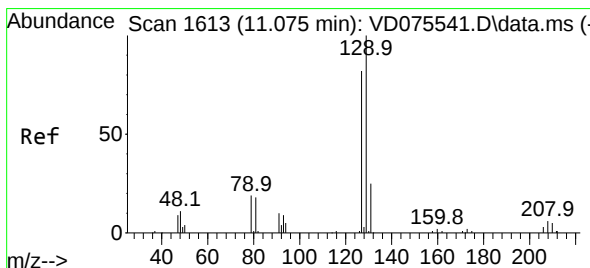
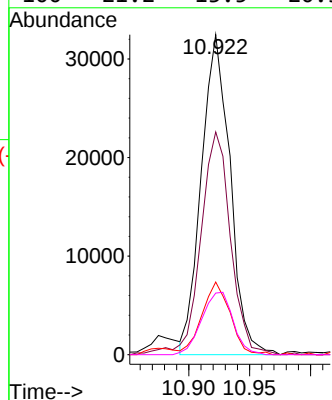
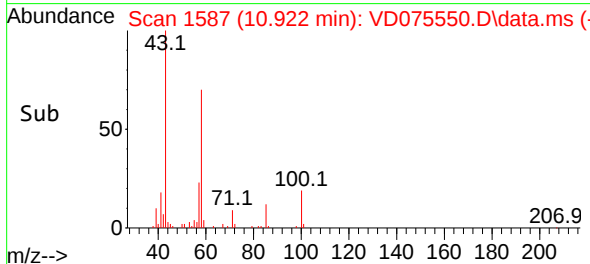


#48
2-Hexanone
Concen: 46.874 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :

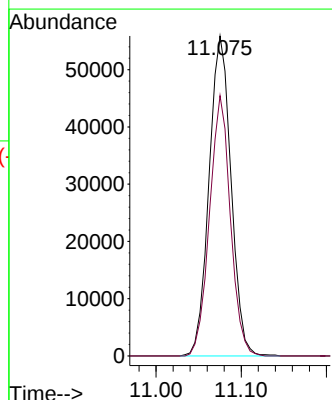
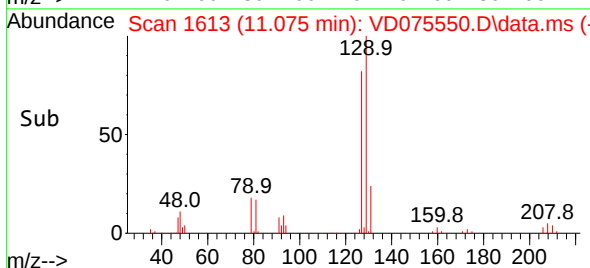
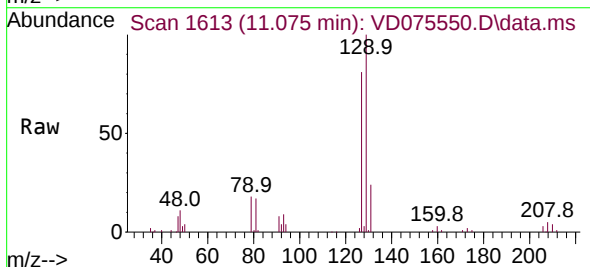


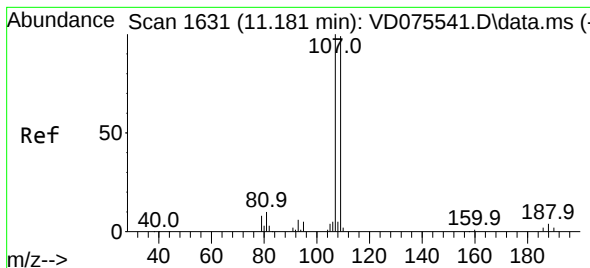
Tgt Ion: 43 Resp: 53365
Ion Ratio Lower Upper
43 100
58 67.4 53.1 79.7
57 21.9 16.7 25.1
100 21.2 13.5 20.3#



#49
Dibromochloromethane
Concen: 28.451 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion:129 Resp: 100157
Ion Ratio Lower Upper
129 100
127 81.3 53.7 99.7





#50

1,2-Dibromoethane

Concen: 27.708 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075550.D

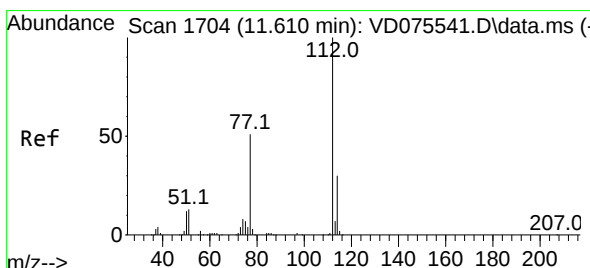
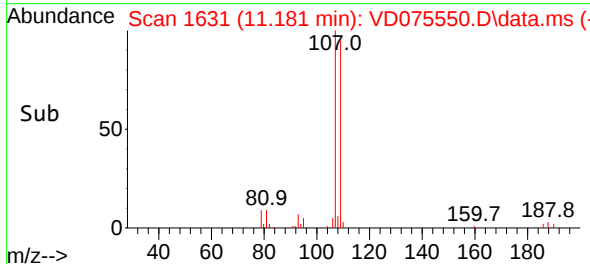
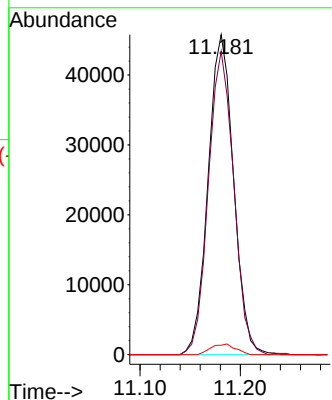
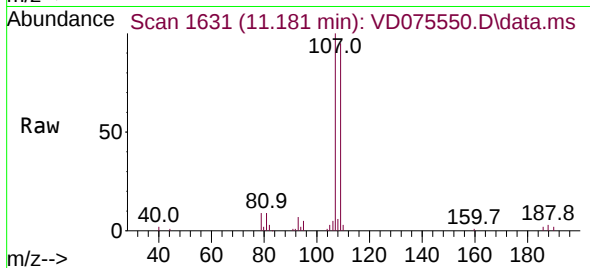
Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp:	80717
Ion Ratio	Lower	Upper
107	100	
109	94.8	64.2 119.2
188	2.9	2.3 3.5



#51

Chlorobenzene

Concen: 26.450 ug/L

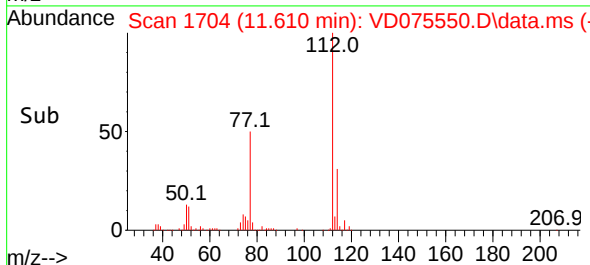
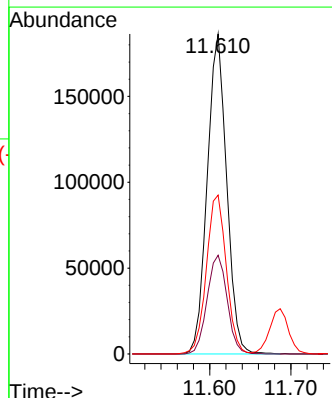
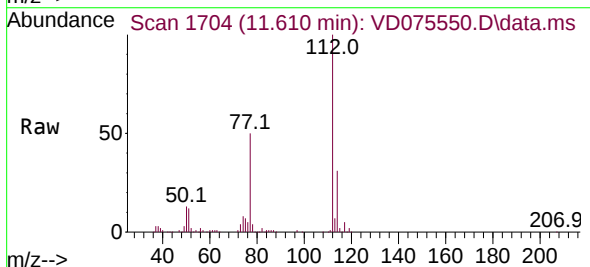
RT: 11.610 min Scan# 1704

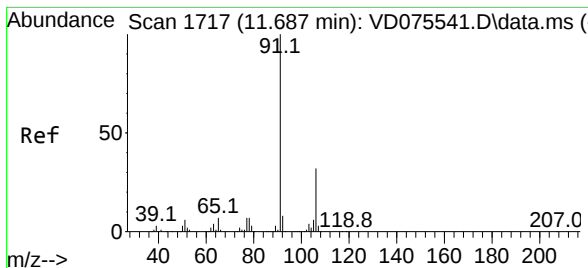
Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Tgt Ion:112	Resp:	309034
Ion Ratio	Lower	Upper
112	100	
114	30.9	22.3 41.3
77	49.7	40.2 60.2

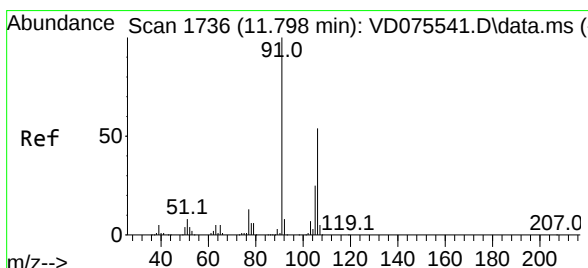
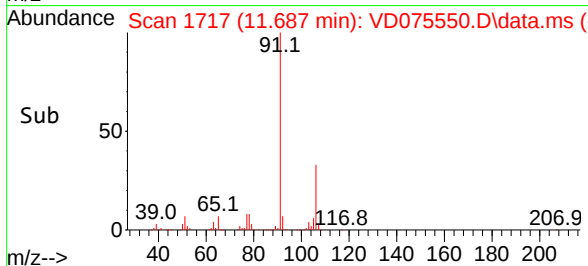
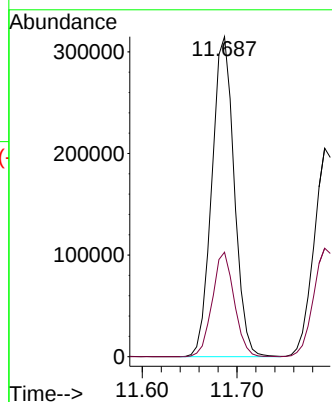
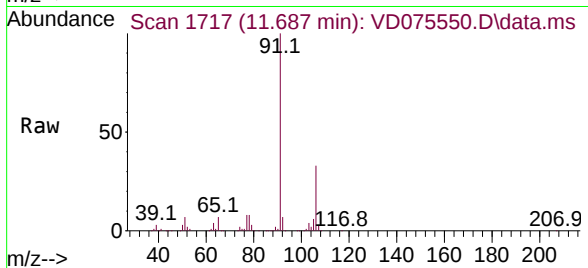




#52
Ethylbenzene
Concen: 27.041 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

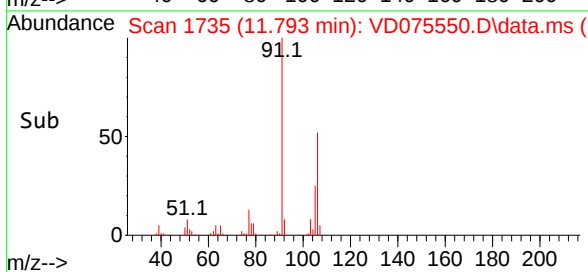
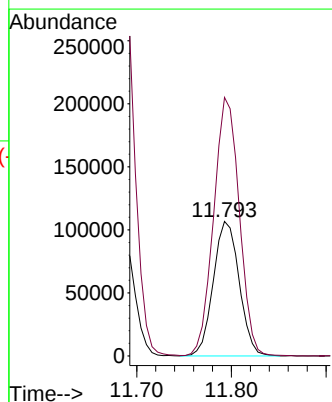
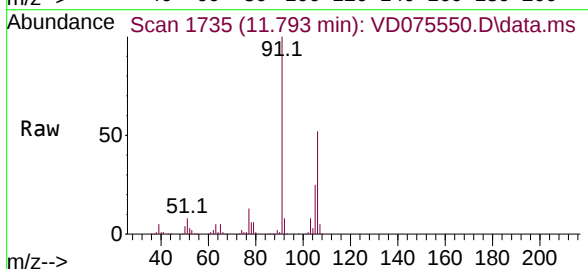
Instrument :
MSVOA_D
ClientSampleId :

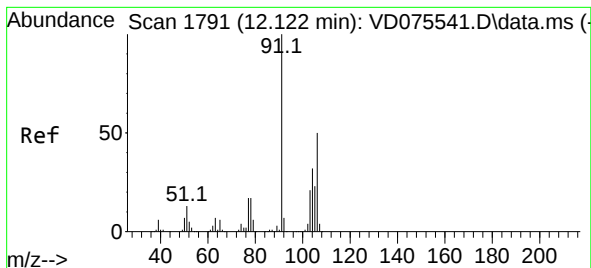
Tgt Ion: 91 Resp: 516921
Ion Ratio Lower Upper
91 100
106 32.7 23.1 42.9



#53
m,p-Xylene
Concen: 26.938 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion: 106 Resp: 202890
Ion Ratio Lower Upper
106 100
91 192.2 134.1 249.1





#54

o-Xylene

Concen: 27.519 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

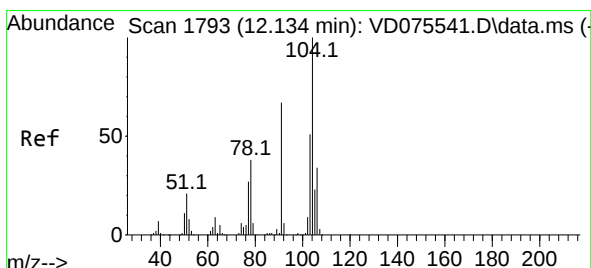
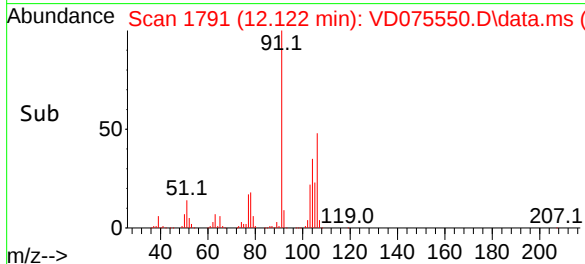
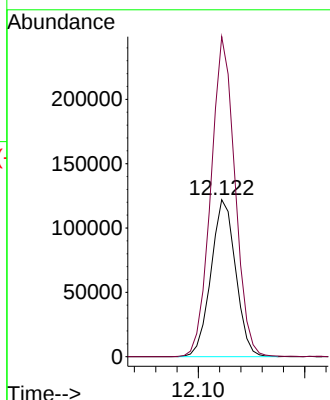
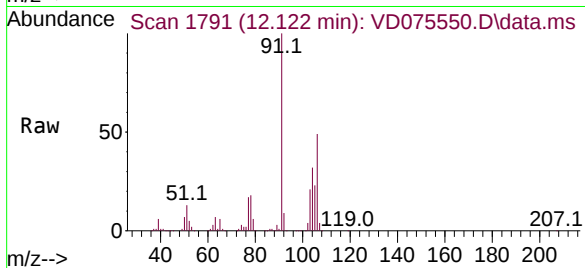
ClientSampleId :

Tgt Ion:106 Resp: 196067

Ion Ratio Lower Upper

106 100

91 203.8 142.3 264.3



#55

Styrene

Concen: 28.431 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD075550.D

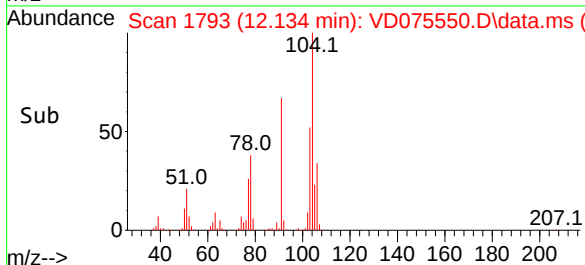
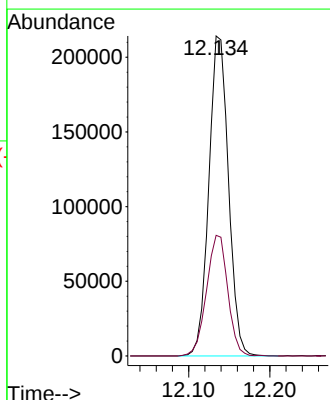
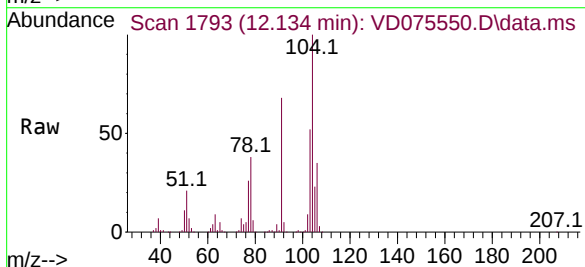
Acq: 30 Mar 2023 17:09

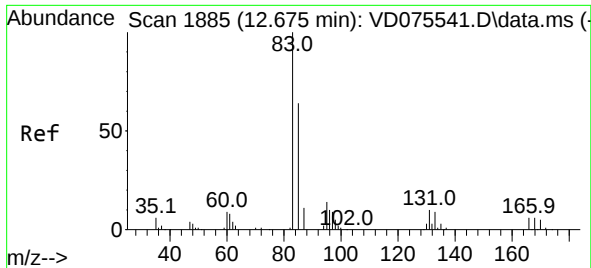
Tgt Ion:104 Resp: 359768

Ion Ratio Lower Upper

104 100

78 37.7 26.0 48.2

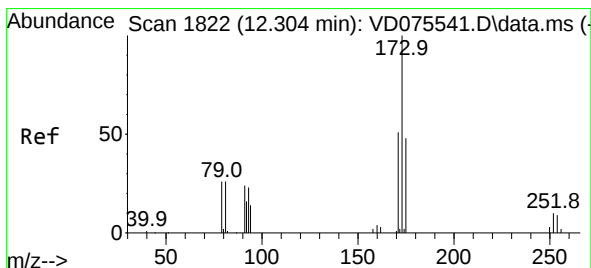
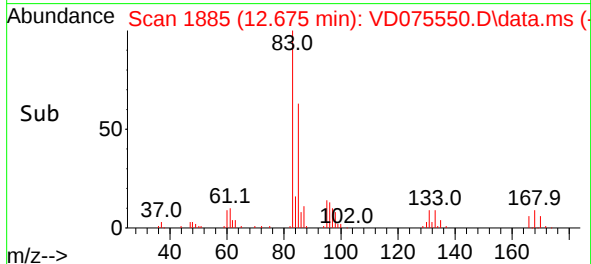
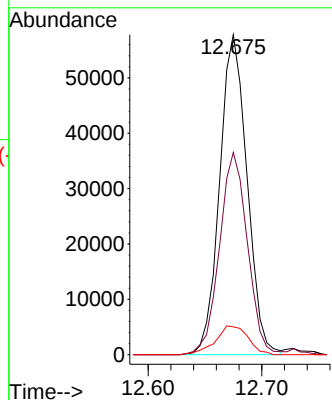
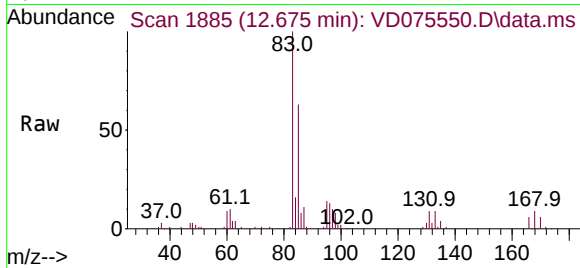




#57
1,1,2,2-Tetrachloroethane
Concen: 27.429 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

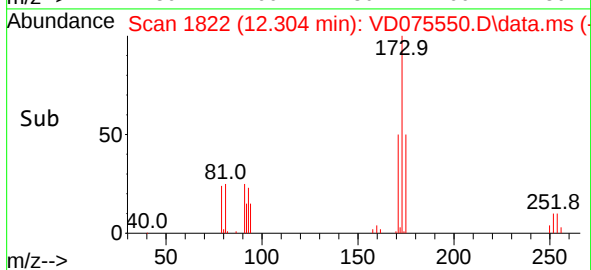
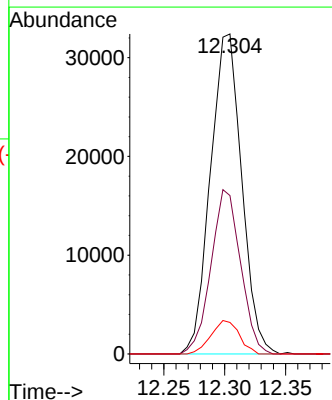
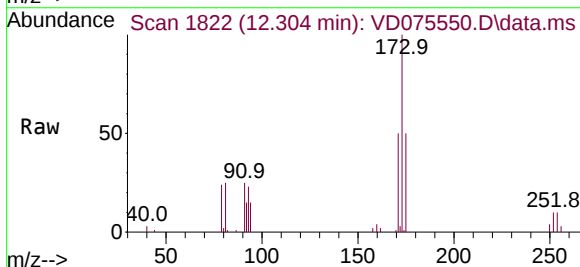
Instrument :
MSVOA_D
ClientSampleId :

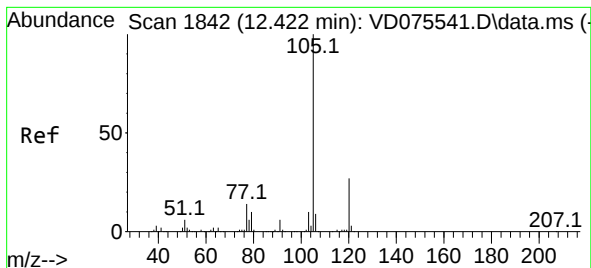
Tgt Ion: 83 Resp: 96745
Ion Ratio Lower Upper
83 100
85 63.2 46.3 85.9
131 8.7 8.1 12.1



#59
Bromoform
Concen: 25.991 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion:173 Resp: 57960
Ion Ratio Lower Upper
173 100
175 48.6 39.3 58.9
254 9.4 7.3 10.9





#60

Isopropylbenzene

Concen: 25.683 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

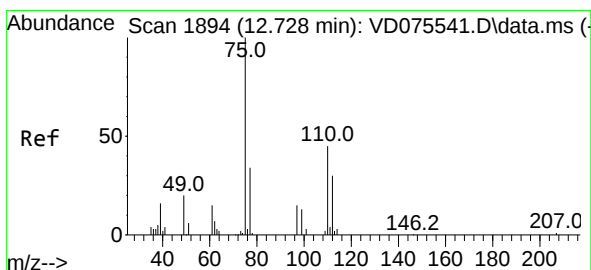
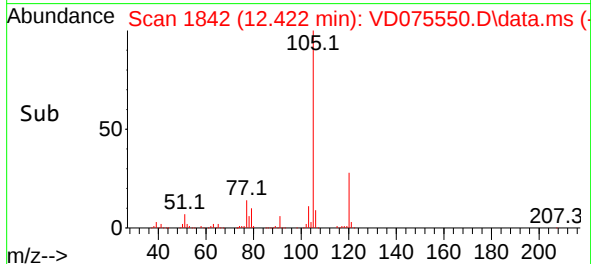
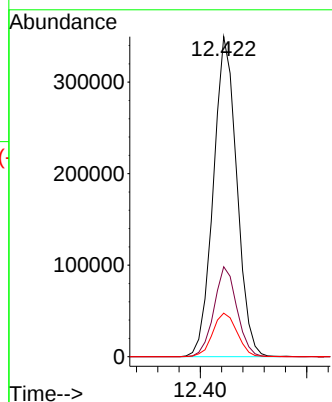
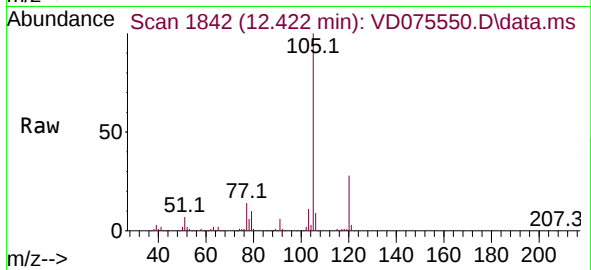
Tgt Ion:105 Resp: 533803

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.6

77 14.2 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 24.087 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

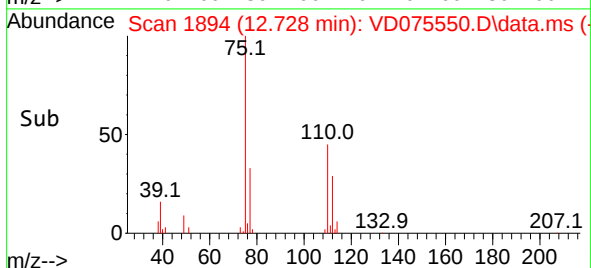
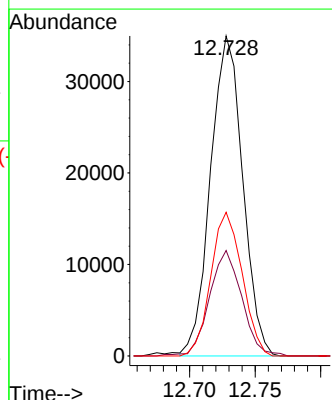
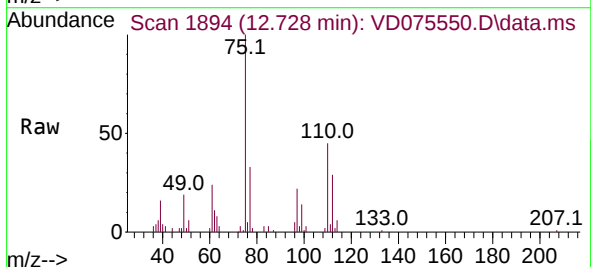
Tgt Ion: 75 Resp: 59671

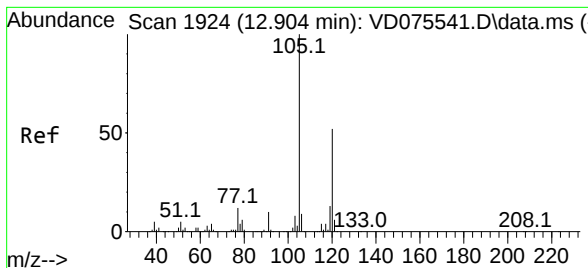
Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.4

110 43.7 33.2 49.8

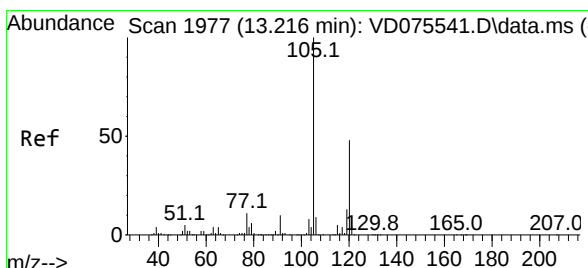
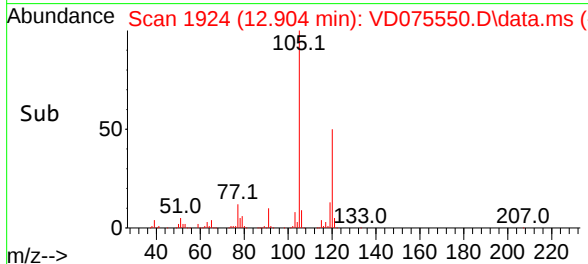
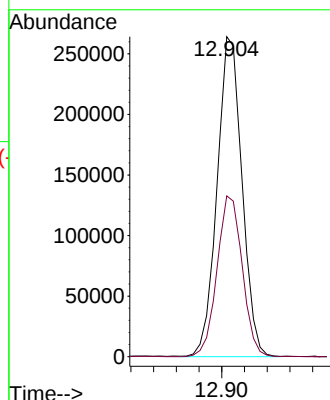
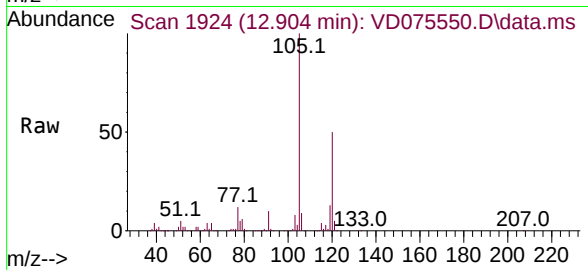




#62
1,3,5-Trimethylbenzene
Concen: 25.810 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

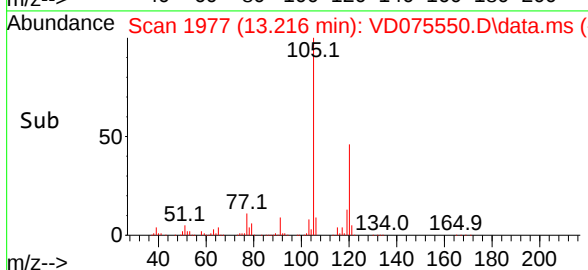
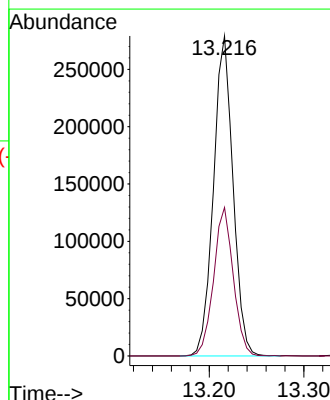
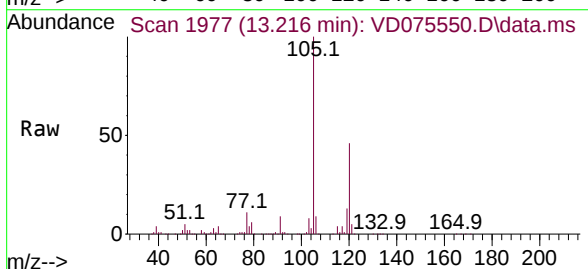
Instrument :
MSVOA_D
ClientSampleId :

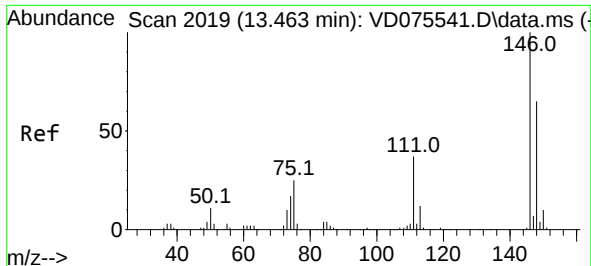
Tgt Ion:105 Resp: 402709
Ion Ratio Lower Upper
105 100
120 50.8 40.6 60.8



#63
1,2,4-Trimethylbenzene
Concen: 26.258 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion:105 Resp: 400599
Ion Ratio Lower Upper
105 100
120 46.6 38.2 57.2

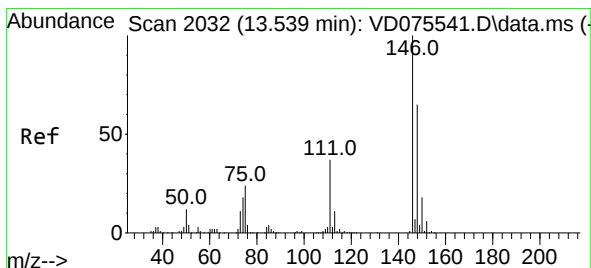
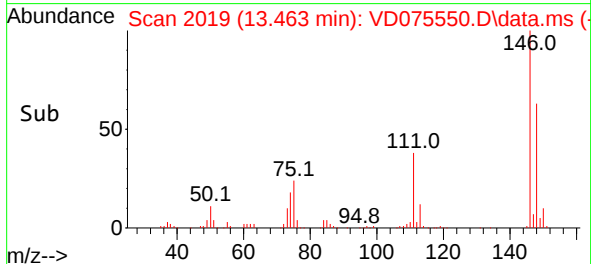
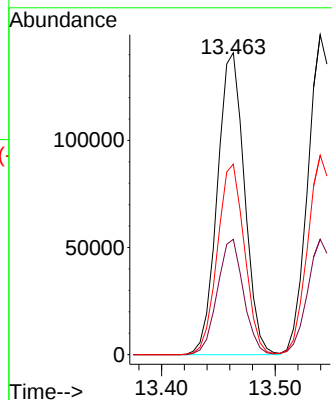
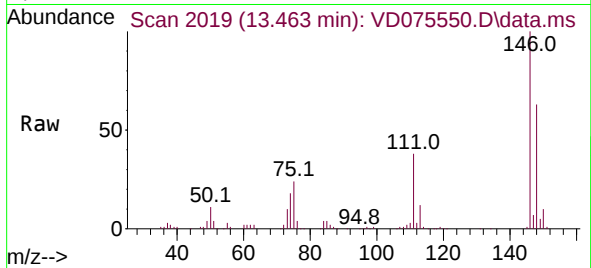




#64
1,3-Dichlorobenzene
Concen: 25.431 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

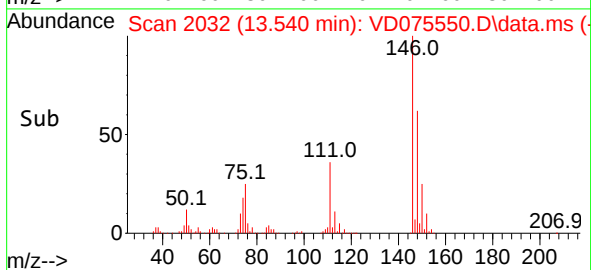
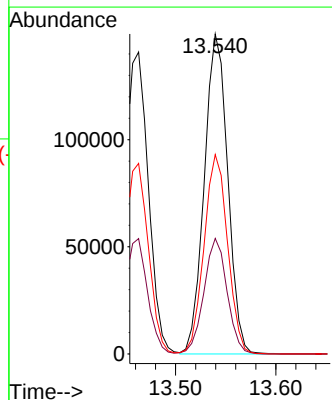
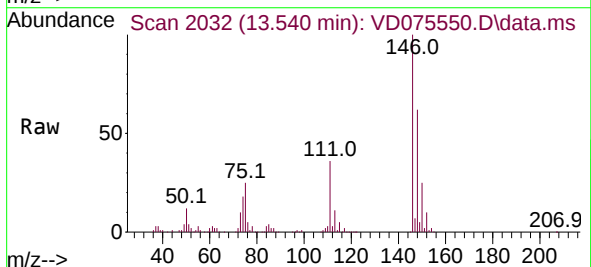
Instrument :
MSVOA_D
ClientSampleId :

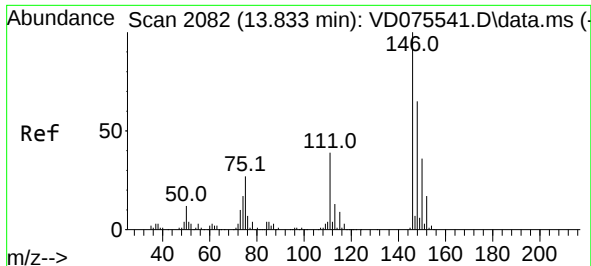
Tgt Ion:146 Resp: 233825
Ion Ratio Lower Upper
146 100
111 38.2 26.0 48.2
148 63.1 42.4 78.6



#65
1,4-Dichlorobenzene
Concen: 25.687 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075550.D
Acq: 30 Mar 2023 17:09

Tgt Ion:146 Resp: 242949
Ion Ratio Lower Upper
146 100
111 36.1 24.8 46.1
148 62.3 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 25.138 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

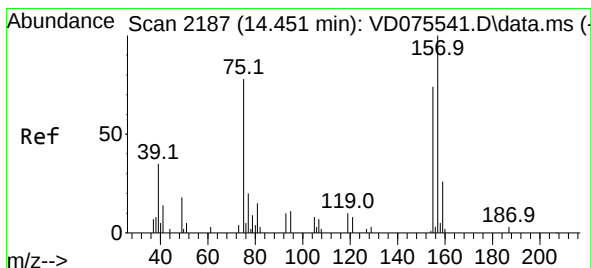
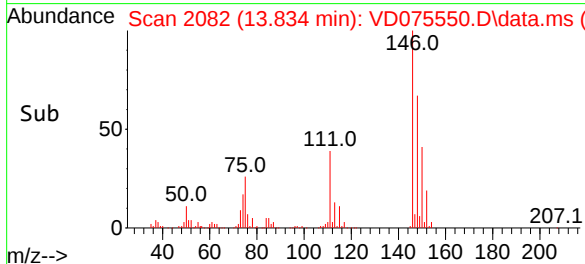
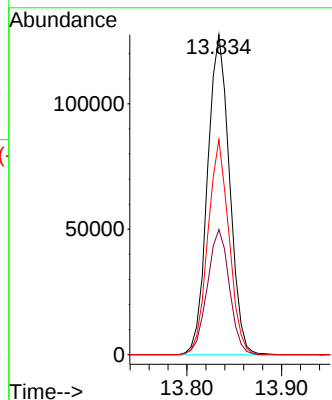
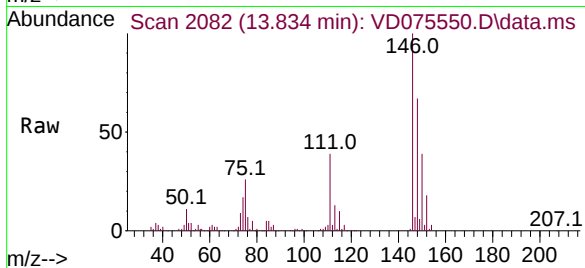
Tgt Ion:146 Resp: 205936

Ion Ratio Lower Upper

146 100

111 39.1 31.0 46.6

148 67.2 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 24.833 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

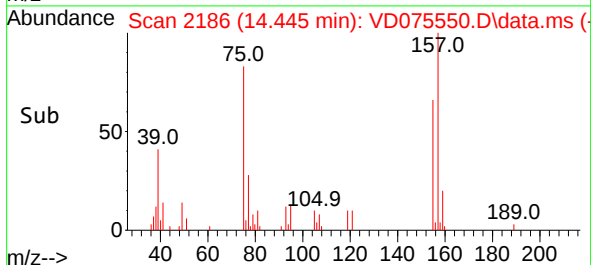
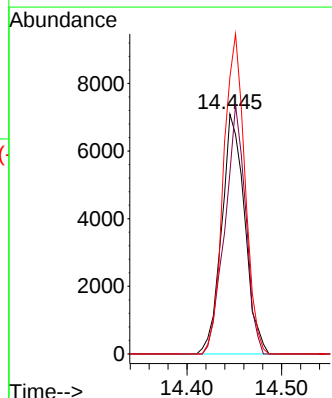
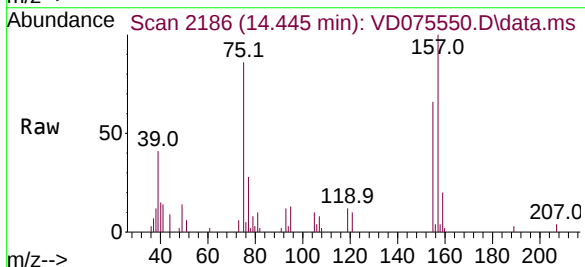
Tgt Ion: 75 Resp: 11947

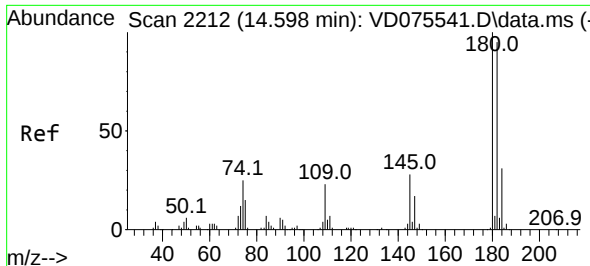
Ion Ratio Lower Upper

75 100

155 75.9 71.3 106.9

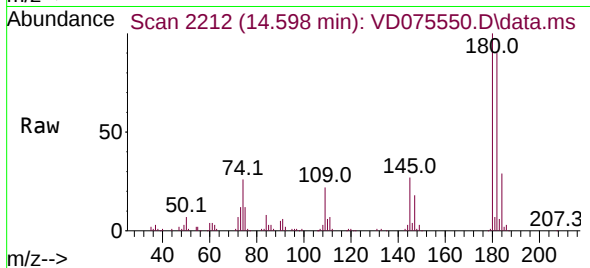
157 115.7 85.8 128.6



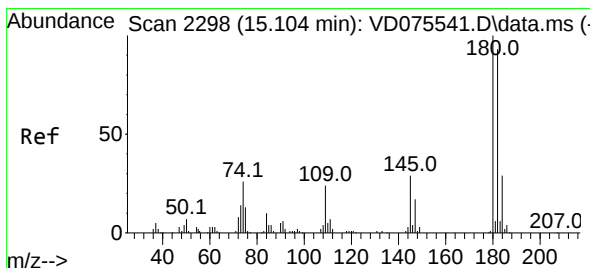
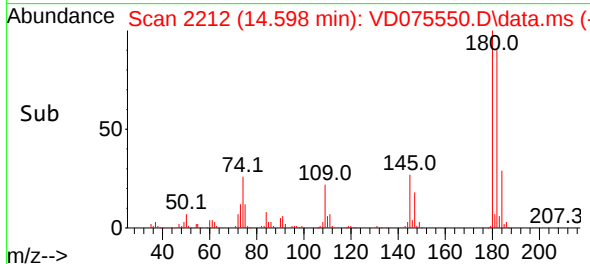
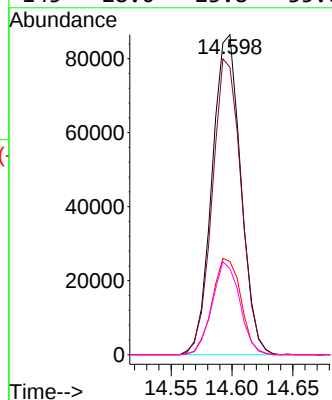


#69
 1,3,5-Trichlorobenzene
 Concen: 24.610 ug/L
 RT: 14.598 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

Instrument :
 MSVOA_D
 ClientSampleId :

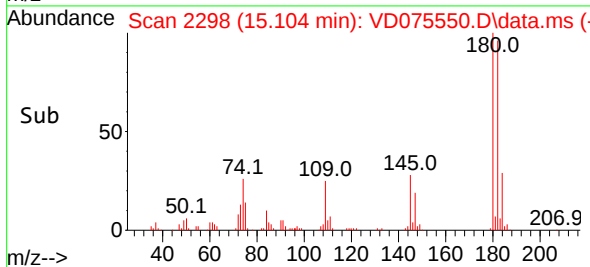
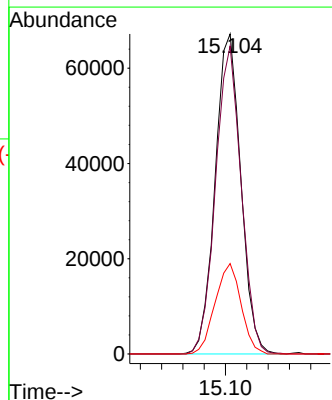
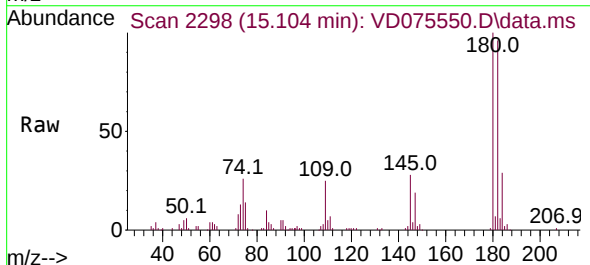


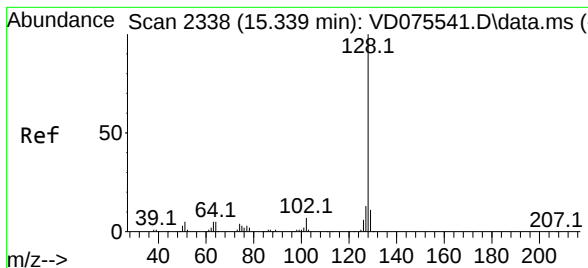
Tgt Ion:180 Resp: 141894
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.5 114.7
 184 30.1 23.6 35.4
 145 28.0 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 24.224 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD075550.D
 Acq: 30 Mar 2023 17:09

Tgt Ion:180 Resp: 112300
 Ion Ratio Lower Upper
 180 100
 182 96.0 74.3 111.5
 145 28.6 23.0 34.6





#71

Naphthalene

Concen: 23.470 ug/L

RT: 15.334 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

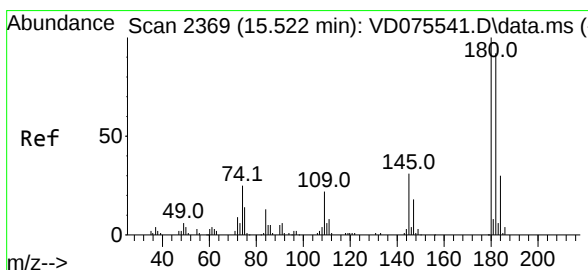
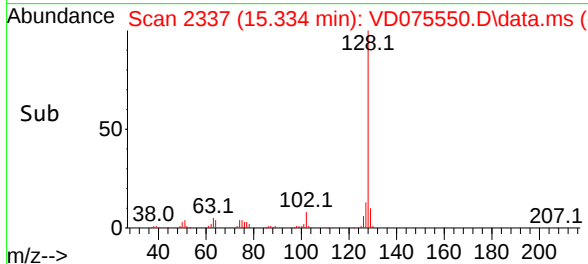
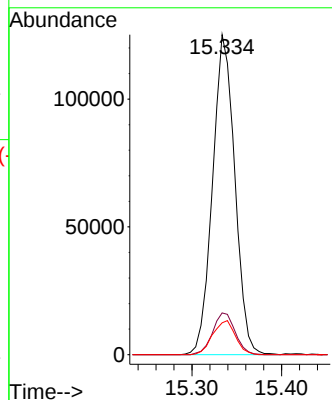
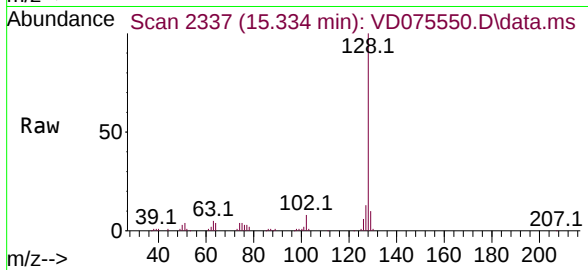
Tgt Ion:128 Resp: 215797

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 25.170 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD075550.D

Acq: 30 Mar 2023 17:09

Tgt Ion:180 Resp: 102850

Ion Ratio Lower Upper

180 100

182 96.1 75.3 112.9

145 31.1 25.1 37.7

