

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050724\
 Data File : VV035551.D
 Acq On : 07 May 2024 14:16
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 08 02:43:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	422795	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	441657	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	227048	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	121266	18.557	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.240%
7) Chloroethane-d5	1.529	69	105210	19.957	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.840%
11) 1,1-Dichloroethene-d2	2.053	65	57423	19.849	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.400%
21) 2-Butanone-d5	3.841	46	54525	29.401	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.800%
24) Chloroform-d	4.246	84	262238	20.863	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.440%
26) 1,2-Dichloroethane-d4	4.940	65	136633	21.988	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.960%
32) Benzene-d6	4.956	84	497856	20.593	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.360%
36) 1,2-Dichloropropane-d6	5.989	67	162238	21.745	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.000%
41) Toluene-d8	7.243	98	424805	19.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.960%
43) trans-1,3-Dichloroprop...	7.554	79	62584	19.614	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.440%
47) 2-Hexanone-d5	8.033	63	56517	42.127	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.260%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	157542	21.913	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.640%
66) 1,2-Dichlorobenzene-d4	11.557	152	176575	22.409	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	10454	1.216	ug/L	100
3) Chloromethane	1.214	50	12266	1.421	ug/L	96
5) Vinyl chloride	1.278	62	11150	1.251	ug/L #	76
6) Bromomethane	1.487	94	7403	1.311	ug/L	98
8) Chloroethane	1.548	64	6852	1.247	ug/L	95
9) Trichlorofluoromethane	1.709	101	13472	1.158	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9704	1.322	ug/L	92
12) 1,1-Dichloroethene	2.066	96	9592	1.446	ug/L #	1
13) Acetone	2.391	43	1593	0.587	ug/L	80
14) Carbon disulfide	2.236	76	28621	1.362	ug/L	99
15) Methyl Acetate	2.461	43	301	0.073	ug/L	98
16) Methylene chloride	2.445	84	43830	4.496	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	8479	1.152	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	18328	1.032	ug/L #	93
19) 1,1-Dichloroethane	3.111	63	15390	1.115	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	7850	0.983	ug/L	88
22) 2-Butanone	3.918	43	146	0.058	ug/L #	56
23) Bromochloromethane	4.153	128	2170	0.562	ug/L	92
25) Chloroform	4.278	83	18816	1.320	ug/L	95

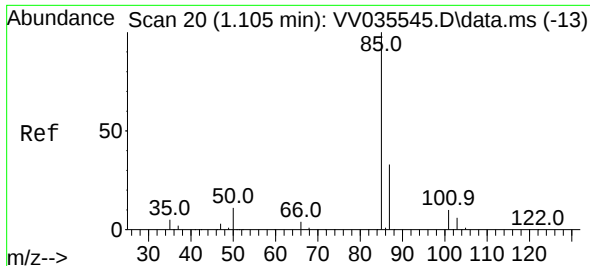
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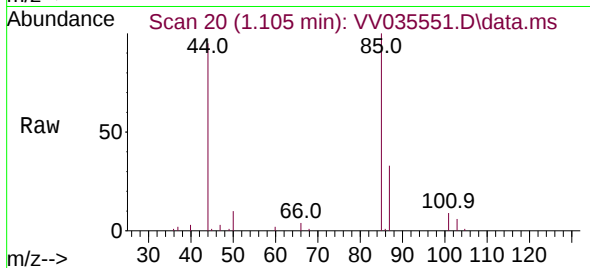
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.063	62	10043	1.132	ug/L #	92
29) Cyclohexane	4.577	56	10553	0.999	ug/L #	92
30) 1,1,1-Trichloroethane	4.516	97	13559	1.107	ug/L	98
31) Carbon tetrachloride	4.731	117	11827	1.101	ug/L	99
33) Benzene	5.014	78	31287	1.070	ug/L	100
34) Trichloroethene	5.841	95	8918	1.079	ug/L	96
35) Methylcyclohexane	6.043	83	2722	0.217	ug/L #	1
37) 1,2-Dichloropropane	6.101	63	7274	0.954	ug/L #	95
38) Bromodichloromethane	6.442	83	11228	1.087	ug/L	95
39) cis-1,3-Dichloropropene	6.966	75	12486	1.047	ug/L	90
40) 4-Methyl-2-pentanone	7.178	43	5999	1.313	ug/L #	93
42) Toluene	7.323	91	32946	1.065	ug/L	97
44) trans-1,3-Dichloropropene	7.593	75	13066	1.252	ug/L	93
45) 1,1,2-Trichloroethane	7.779	97	6963	1.075	ug/L	91
46) Tetrachloroethene	7.908	164	7788	1.159	ug/L	93
48) 2-Hexanone	8.104	43	5772	1.686	ug/L #	77
49) Dibromochloromethane	8.178	129	7978	1.091	ug/L	96
50) 1,2-Dibromoethane	8.294	107	7084	1.110	ug/L	91
51) Chlorobenzene	8.818	112	22736	1.059	ug/L	99
52) Ethylbenzene	8.950	91	32754	0.959	ug/L	98
53) m,p-Xylene	9.078	106	11916	0.920	ug/L	97
54) o-Xylene	9.480	106	10683	0.870	ug/L	99
55) Styrene	9.503	104	16920	0.790	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.175	83	8738	1.107	ug/L #	97
59) Bromoform	9.670	173	4941	1.107	ug/L #	94
60) Isopropylbenzene	9.869	105	29203	0.966	ug/L	97
61) 1,2,3-Trichloropropane	10.213	75	6475	1.217	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	20504	0.864	ug/L	94
63) 1,2,4-Trimethylbenzene	10.853	105	21004	0.861	ug/L	97
64) 1,3-Dichlorobenzene	11.123	146	17036	1.073	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	18896	1.150	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	18512	1.239	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	1617	1.310	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	13086	1.055	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	10669	1.030	ug/L	99
71) Naphthalene	13.445	128	16072	0.884	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	9992	1.072	ug/L	97

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

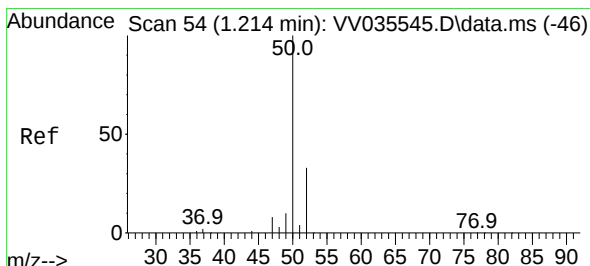
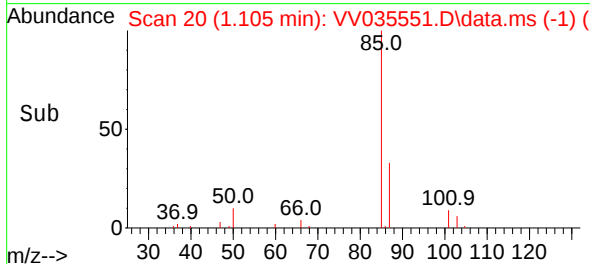
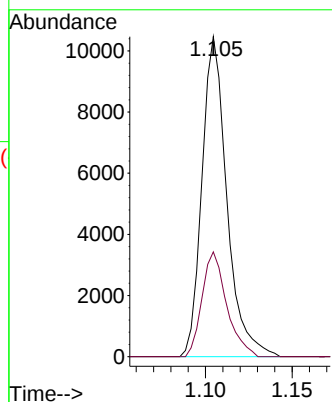


#2
 Dichlorodifluoromethane
 Concen: 1.216 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV035551.D
 Acq: 07 May 2024 14:16

Instrument :
 MSVOA_V
 ClientSampleId :

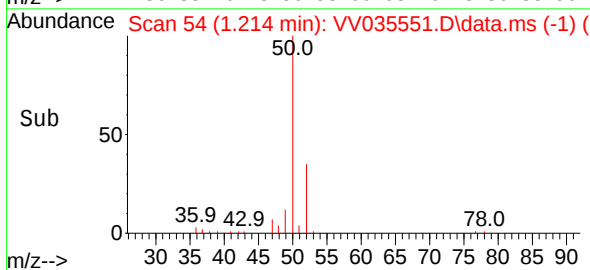
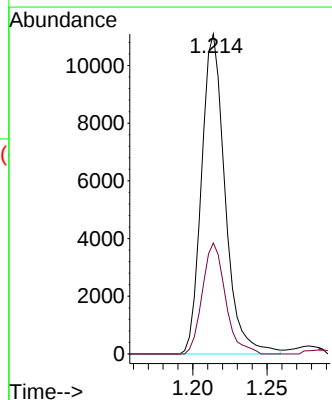
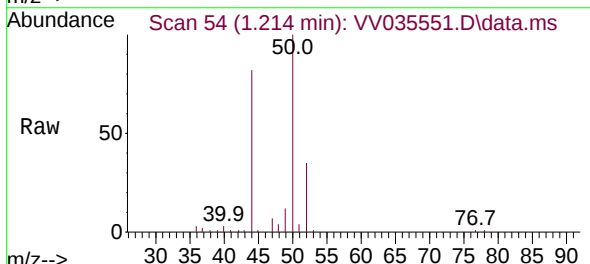


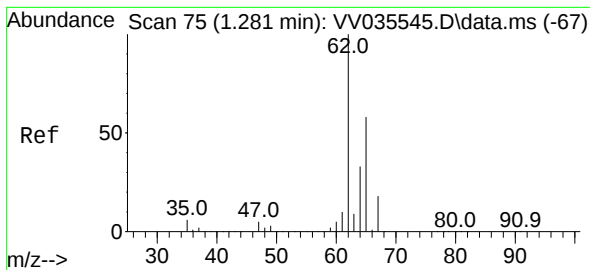
Tgt Ion: 85 Resp: 10454
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6



#3
 Chloromethane
 Concen: 1.421 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV035551.D
 Acq: 07 May 2024 14:16

Tgt Ion: 50 Resp: 12266
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.7 42.1





#5

Vinyl chloride

Concen: 1.251 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

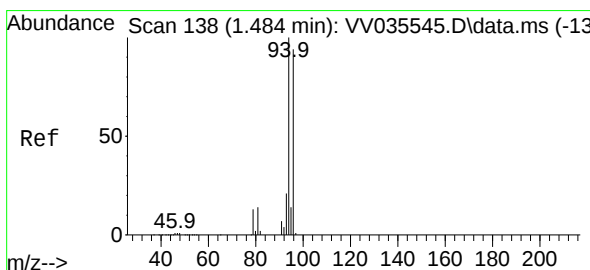
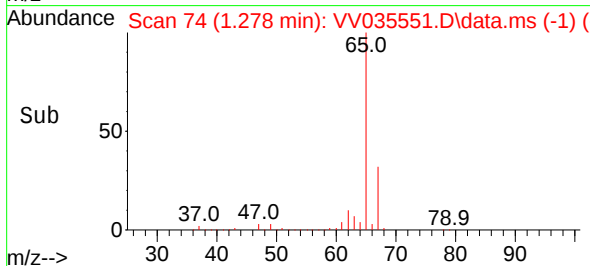
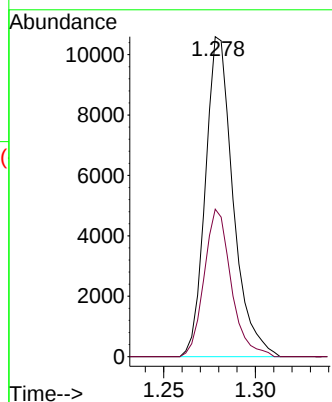
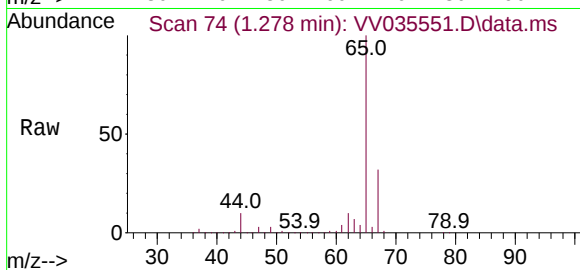
ClientSampleId :

Tgt Ion: 62 Resp: 11150

Ion Ratio Lower Upper

62 100

64 46.1 23.0 42.6#



#6

Bromomethane

Concen: 1.311 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.003 min

Lab File: VV035551.D

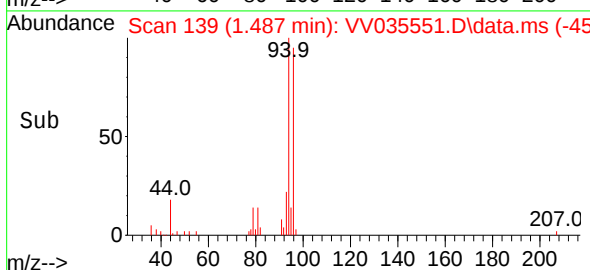
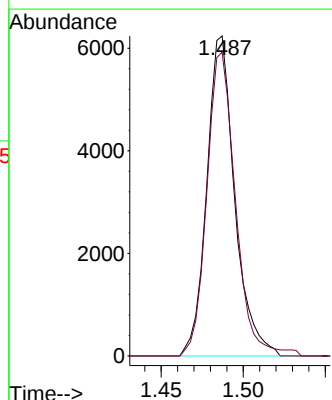
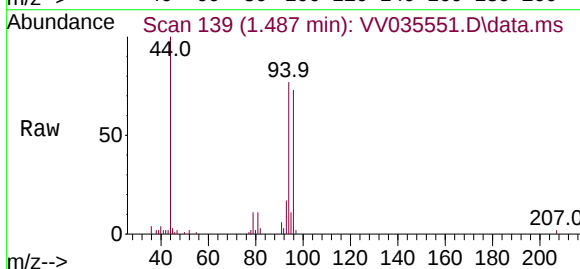
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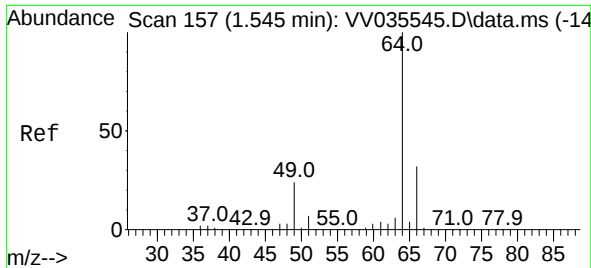
Tgt Ion: 94 Resp: 7403

Ion Ratio Lower Upper

94 100

96 94.9 65.2 121.0

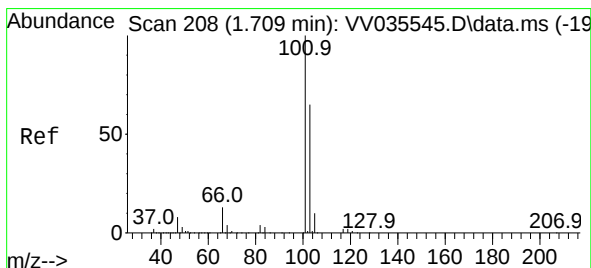
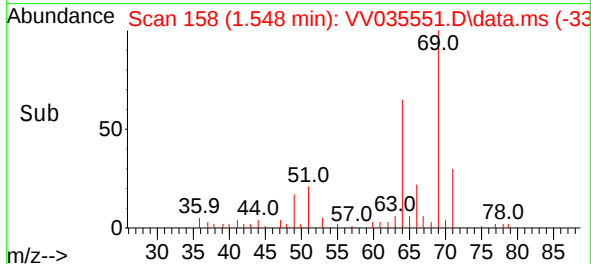
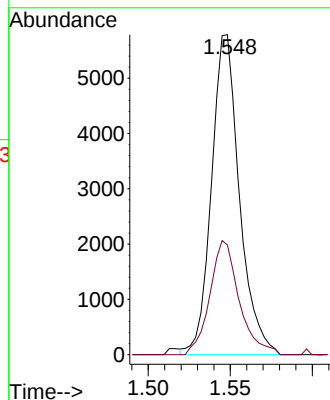
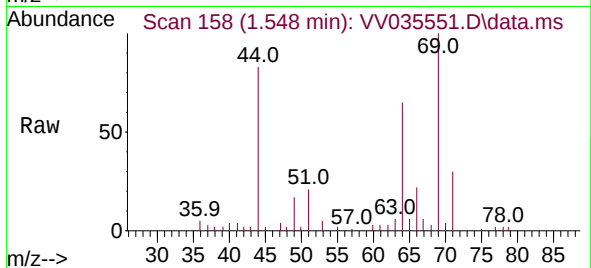




#8
Chloroethane
Concen: 1.247 ug/L
RT: 1.548 min Scan# 157
Delta R.T. 0.003 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

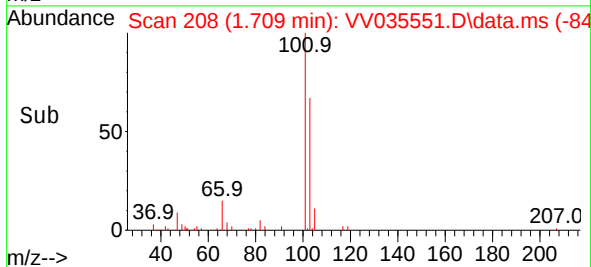
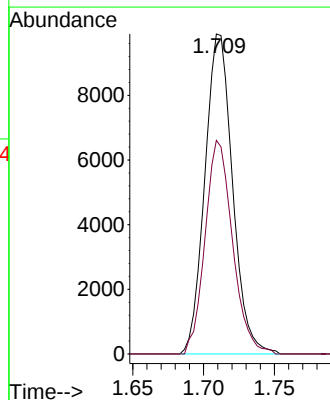
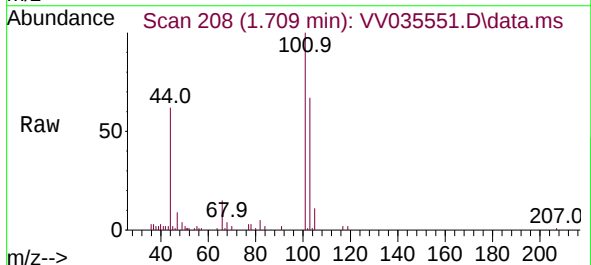
Instrument :
MSVOA_V
ClientSampleId :

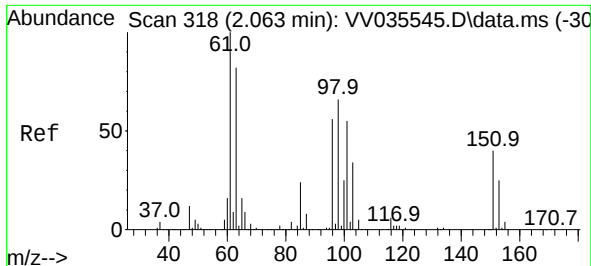
Tgt Ion: 64 Resp: 6852
Ion Ratio Lower Upper
64 100
66 34.3 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.158 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion:101 Resp: 13472
Ion Ratio Lower Upper
101 100
103 66.2 51.5 77.3





#10

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

Concen: 1.322 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

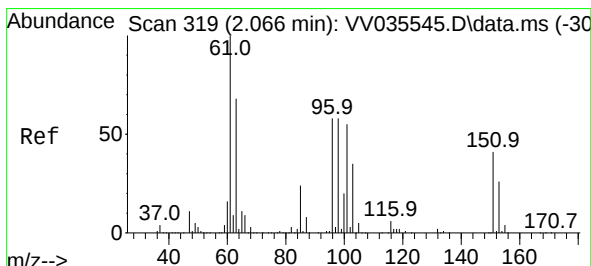
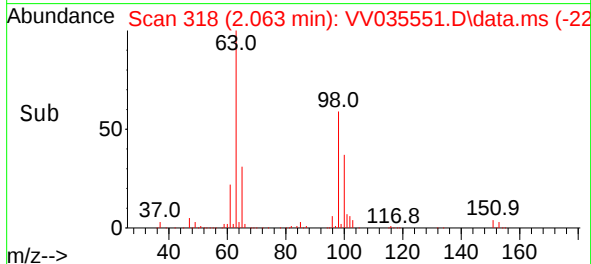
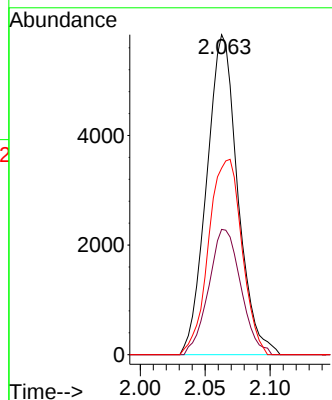
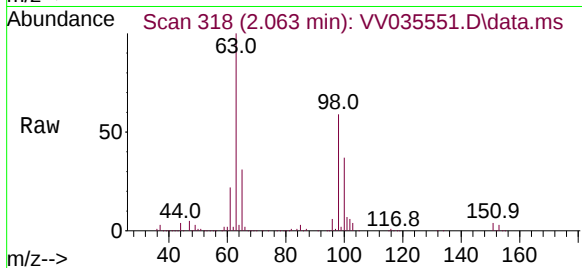
Tgt Ion:101 Resp: 9704

Ion Ratio Lower Upper

101 100

85 40.5 34.2 51.4

151 65.4 59.5 89.3



#12

1,1-Dichloroethene

Concen: 1.446 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

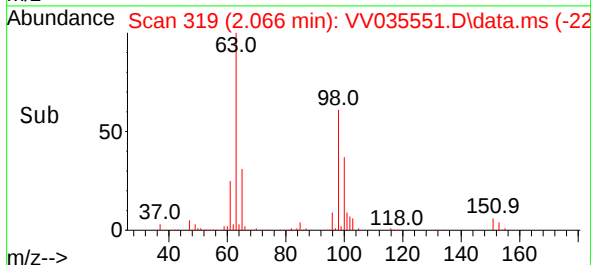
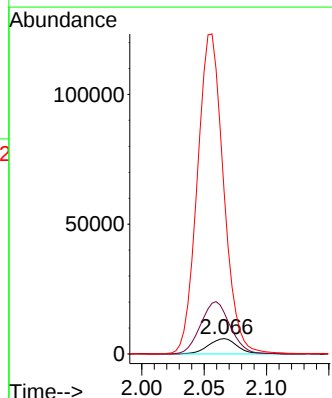
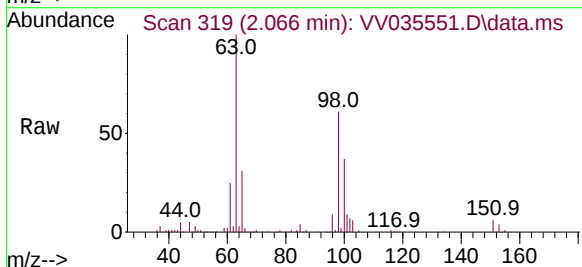
Tgt Ion: 96 Resp: 9592

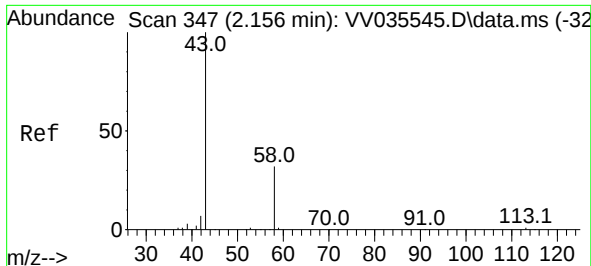
Ion Ratio Lower Upper

96 100

61 270.2 119.8 222.4#

63 1060.9 75.6 140.4#





#13

Acetone

Concen: 0.587 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.235 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

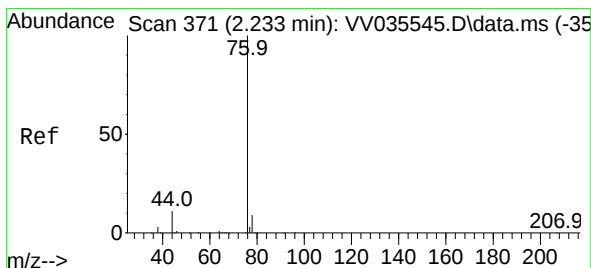
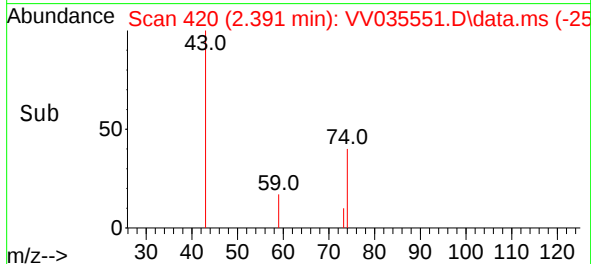
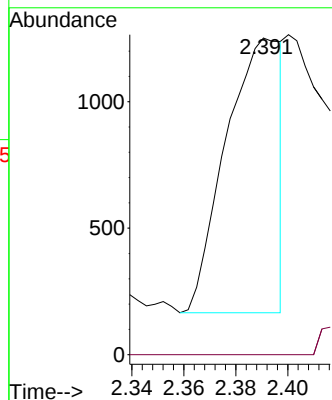
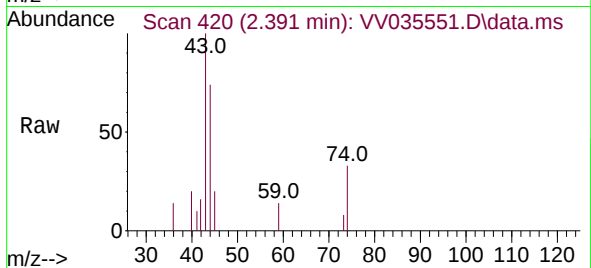
ClientSampleId :

Tgt Ion: 43 Resp: 1593

Ion Ratio Lower Upper

43 100

58 3.8 0.0 22.8



#14

Carbon disulfide

Concen: 1.362 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV035551.D

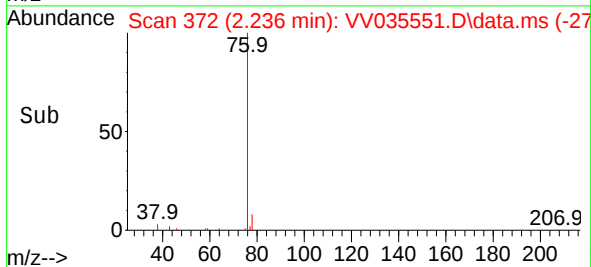
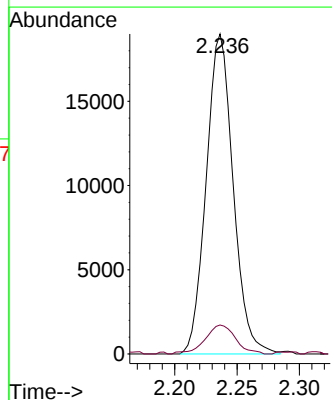
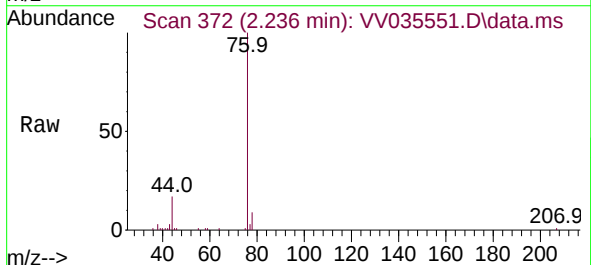
Acq: 07 May 2024 14:16

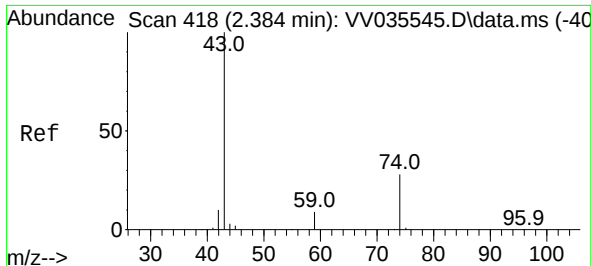
Tgt Ion: 76 Resp: 28621

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3





#15

Methyl Acetate

Concen: 0.073 ug/L

RT: 2.461 min Scan# 442

Delta R.T. 0.077 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

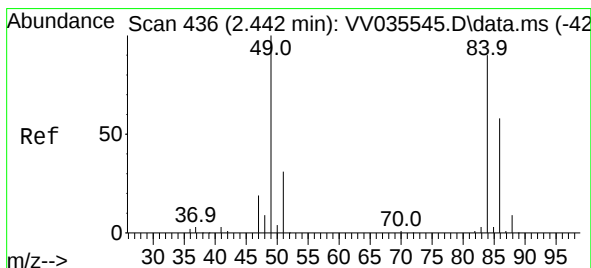
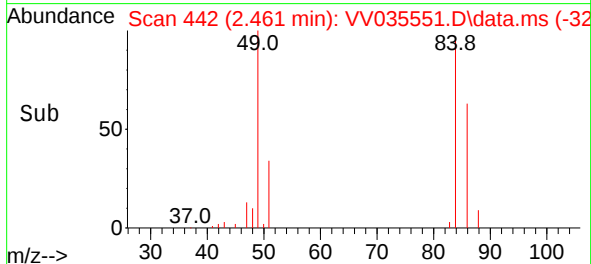
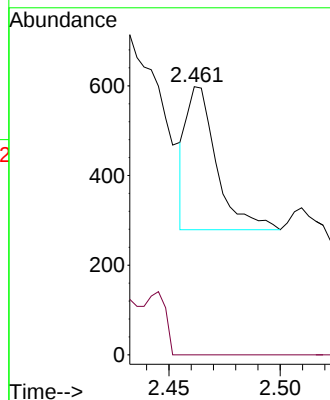
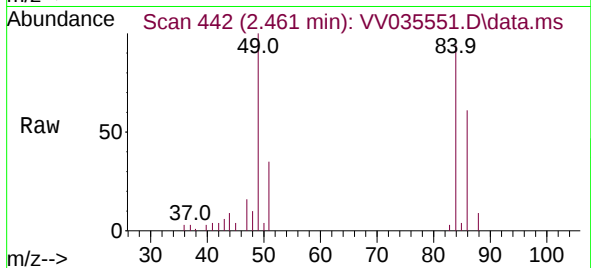
ClientSampleId :

Tgt Ion: 43 Resp: 301

Ion Ratio Lower Upper

43 100

74 24.3 18.6 27.8



#16

Methylene chloride

Concen: 4.496 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

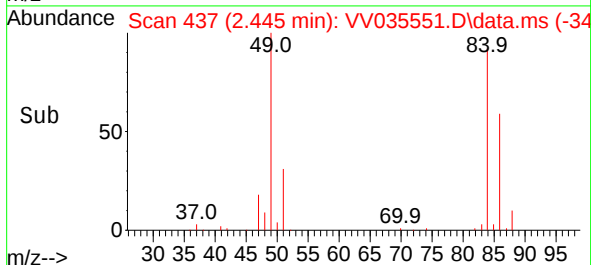
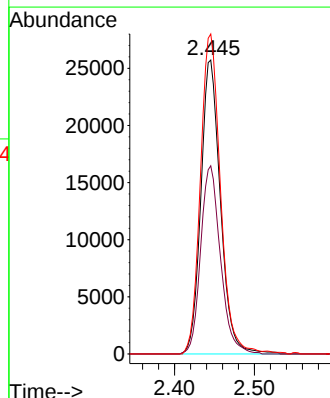
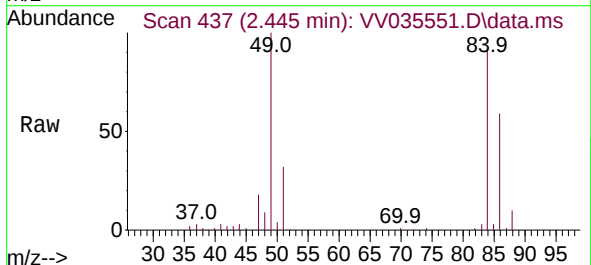
Tgt Ion: 84 Resp: 43830

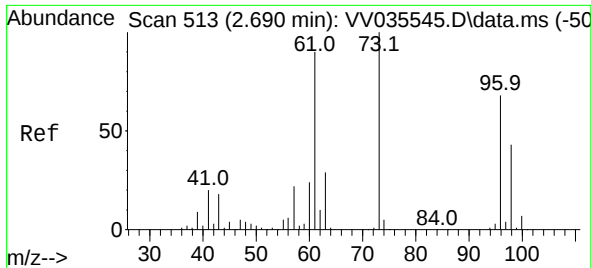
Ion Ratio Lower Upper

84 100

86 64.0 43.8 81.3

49 108.9 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 1.152 ug/L

RT: 2.693 min Scan# 513

Delta R.T. 0.003 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

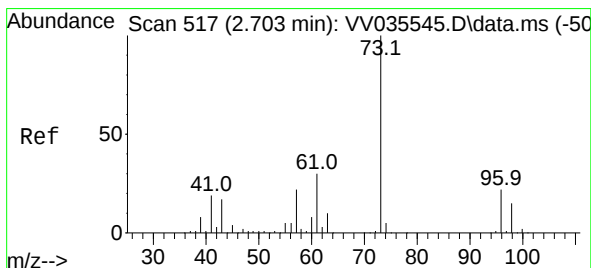
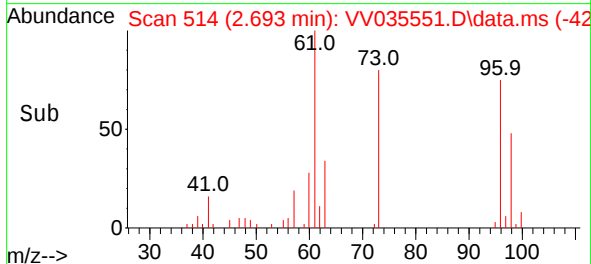
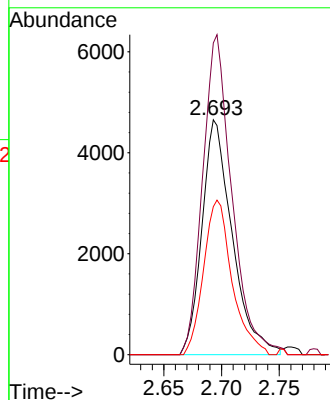
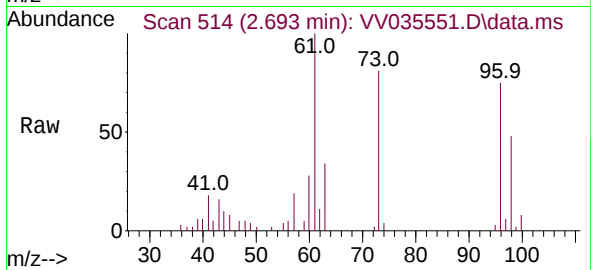
Tgt Ion: 96 Resp: 8479

Ion Ratio Lower Upper

96 100

61 132.7 95.5 177.4

98 63.1 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 1.032 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.006 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

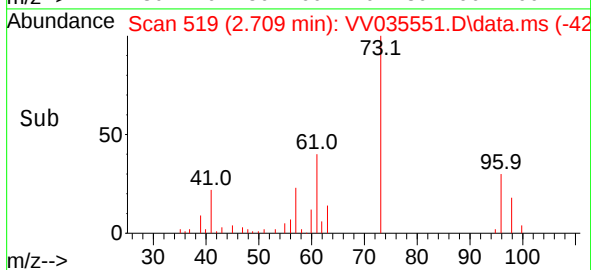
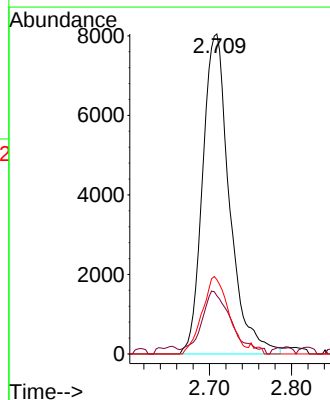
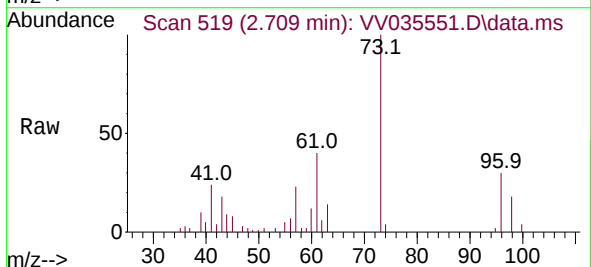
Tgt Ion: 73 Resp: 18328

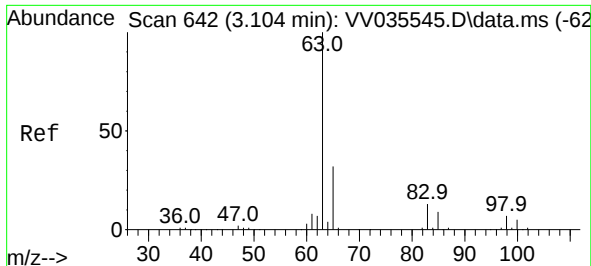
Ion Ratio Lower Upper

73 100

43 21.5 13.3 19.9#

57 23.9 17.4 26.2

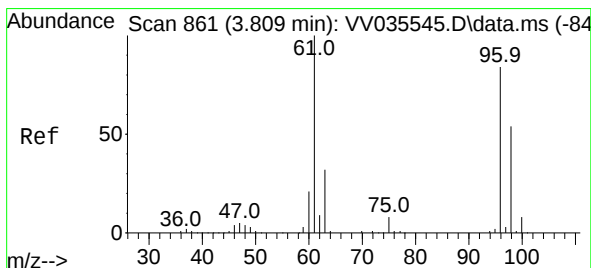
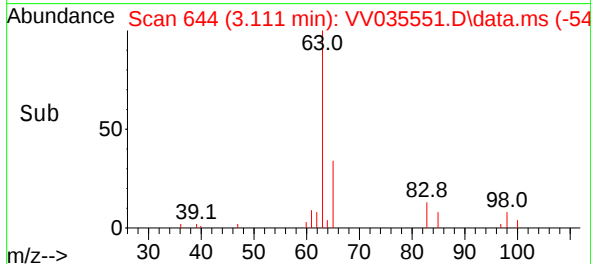
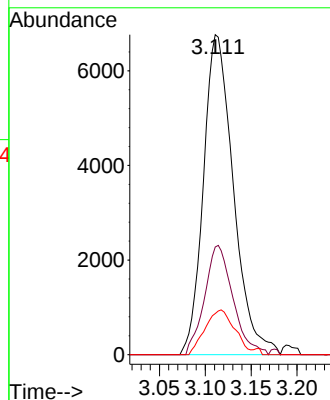
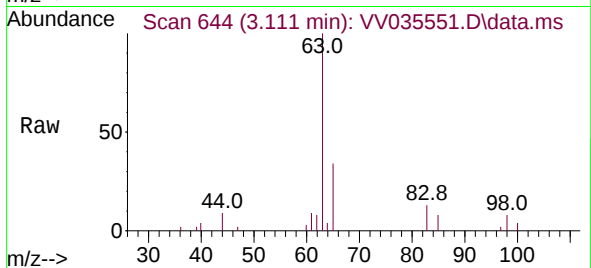




#19
1,1-Dichloroethane
Concen: 1.115 ug/L
RT: 3.111 min Scan# 642
Delta R.T. 0.006 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

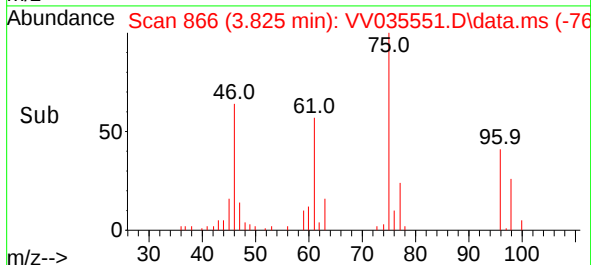
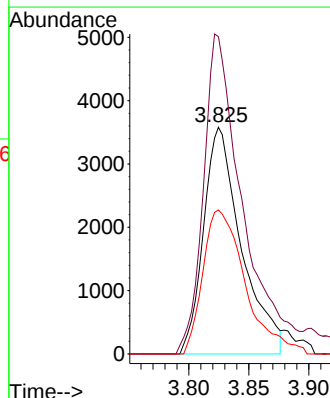
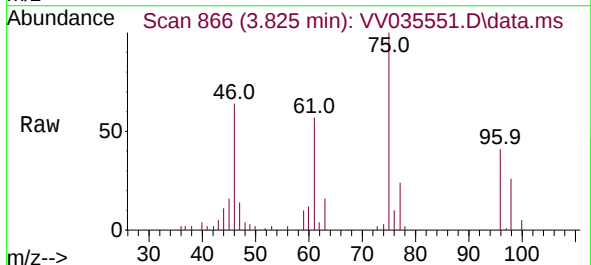
Instrument :
MSVOA_V
ClientSampleId :

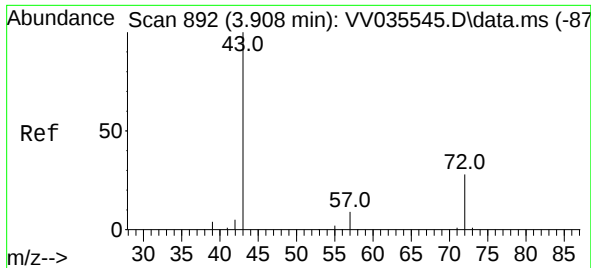
Tgt Ion: 63 Resp: 15390
Ion Ratio Lower Upper
63 100
65 33.7 22.7 42.3
83 12.9 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 0.983 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.016 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion: 96 Resp: 7850
Ion Ratio Lower Upper
96 100
61 140.0 83.9 155.9
98 63.5 44.0 81.8

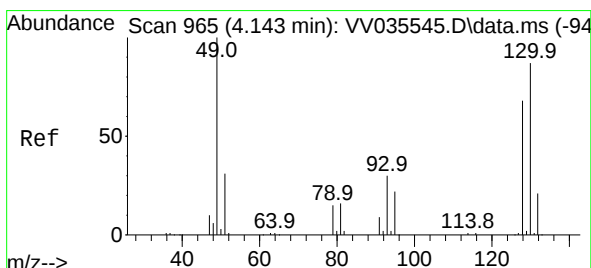
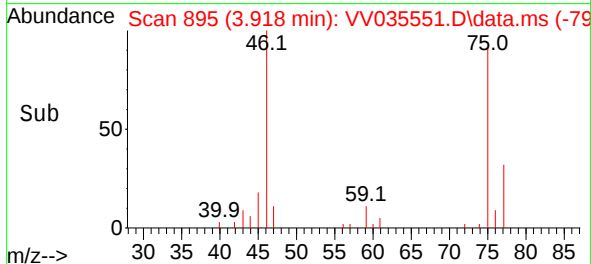
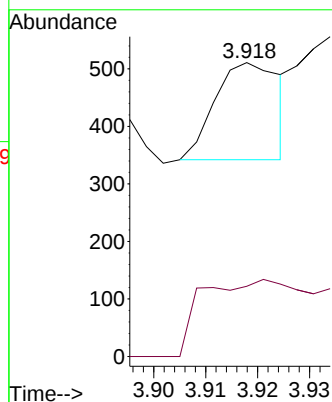
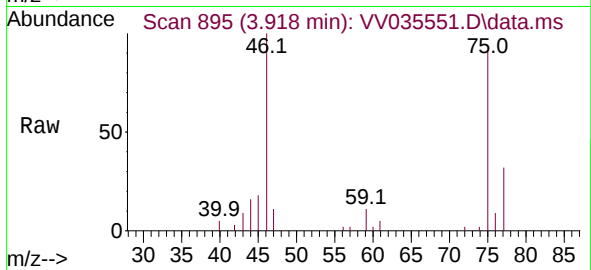




#22
2-Butanone
Concen: 0.058 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.010 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

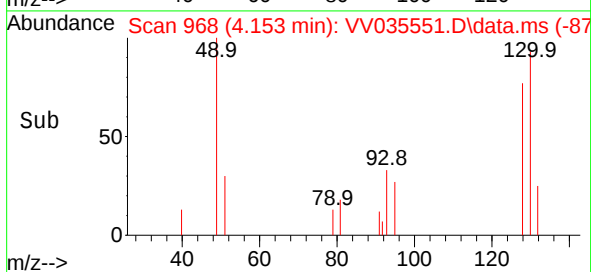
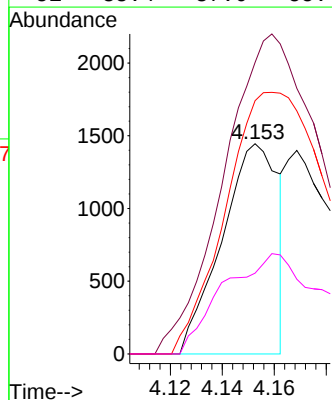
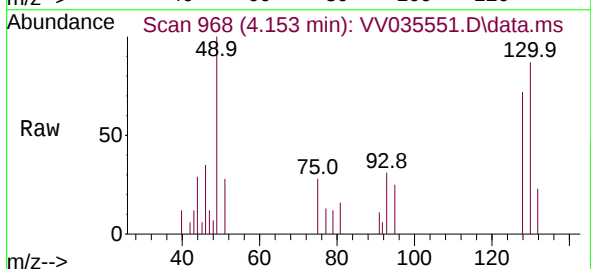
Instrument :
MSVOA_V
ClientSampleId :

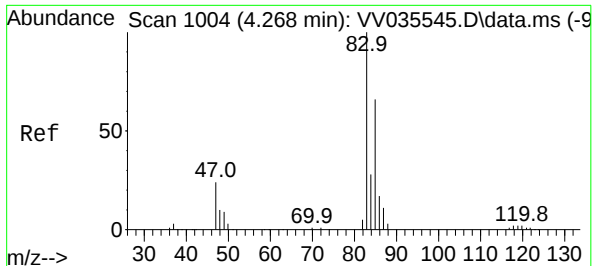
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
72 46.6 12.3 36.9#



#23
Bromochloromethane
Concen: 0.562 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.010 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion:128 Resp: 2170
Ion Ratio Lower Upper
128 100
49 138.7 103.1 191.5
130 120.5 91.8 170.4
51 38.4 37.0 55.4





#25

Chloroform

Concen: 1.320 ug/L

RT: 4.278 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

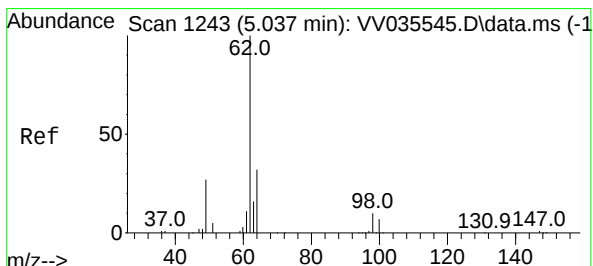
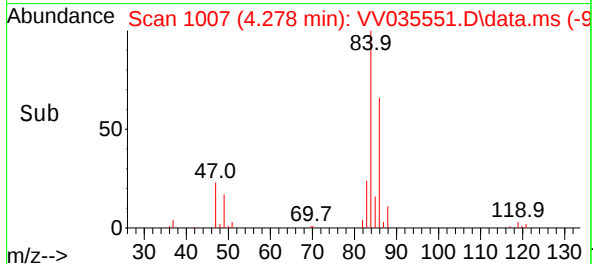
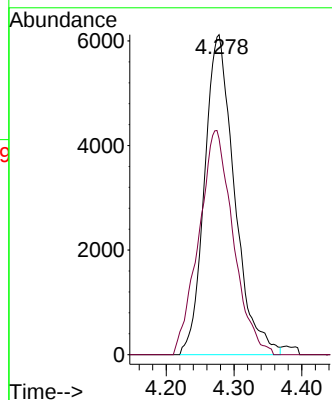
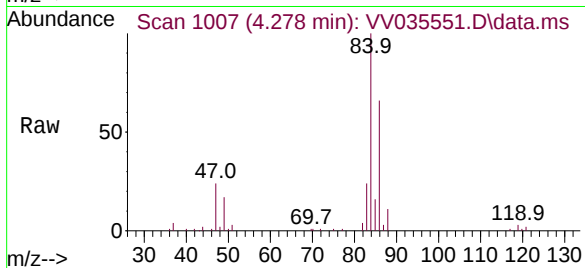
ClientSampleId :

Tgt Ion: 83 Resp: 18816

Ion Ratio Lower Upper

83 100

85 67.5 44.7 82.9



#27

1,2-Dichloroethane

Concen: 1.132 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.026 min

Lab File: VV035551.D

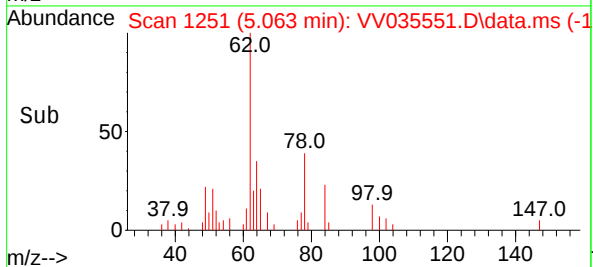
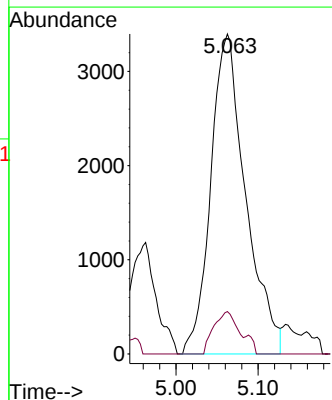
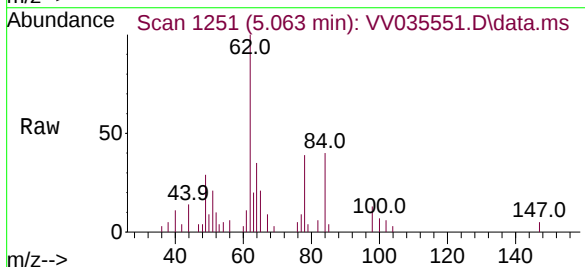
Acq: 07 May 2024 14:16

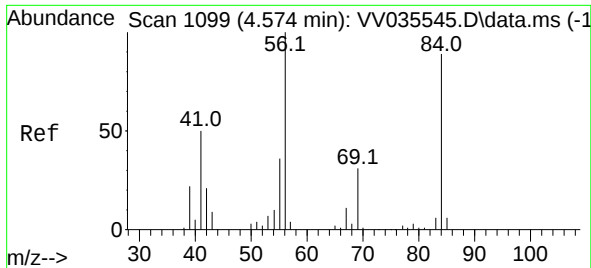
Tgt Ion: 62 Resp: 10043

Ion Ratio Lower Upper

62 100

98 13.3 8.2 12.2#





#29

Cyclohexane

Concen: 0.999 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV035551.D

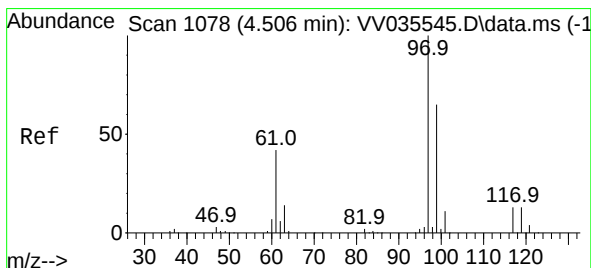
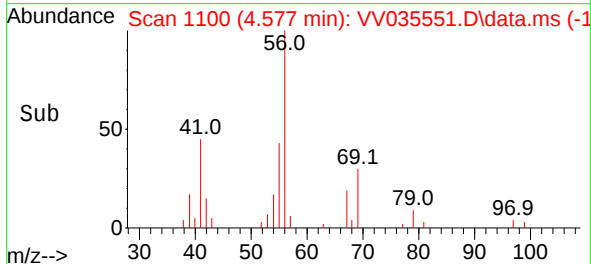
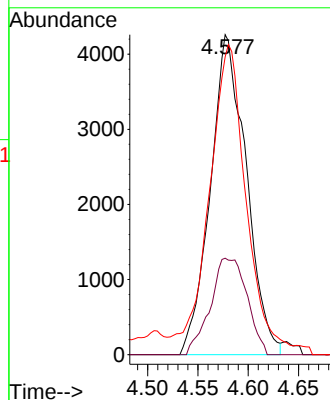
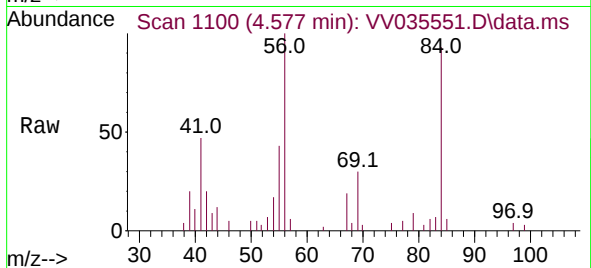
Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 56	Resp: 10553
Ion Ratio	Lower Upper
56	100
69	18.4 25.6 38.4#
84	90.8 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 1.107 ug/L

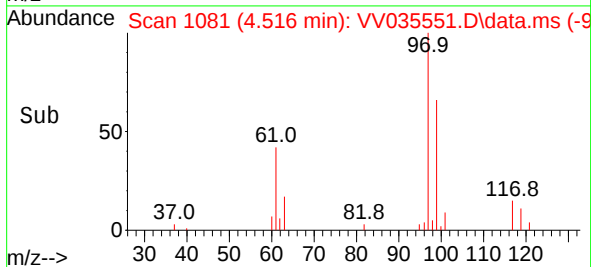
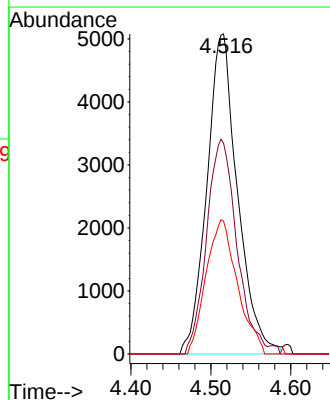
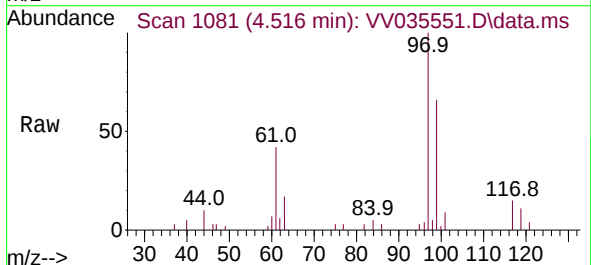
RT: 4.516 min Scan# 1081

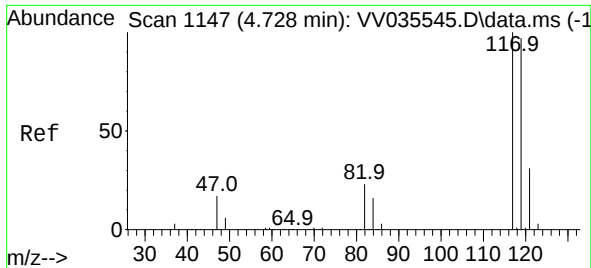
Delta R.T. 0.010 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Tgt Ion: 97	Resp: 13559
Ion Ratio	Lower Upper
97	100
99	65.9 51.7 77.5
61	42.8 33.5 50.3

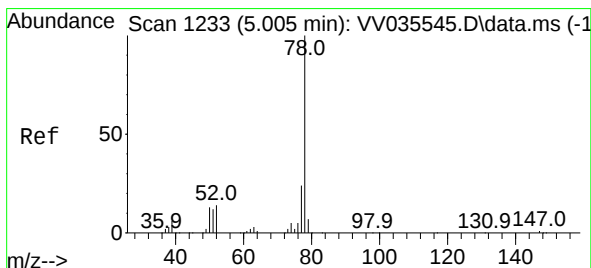
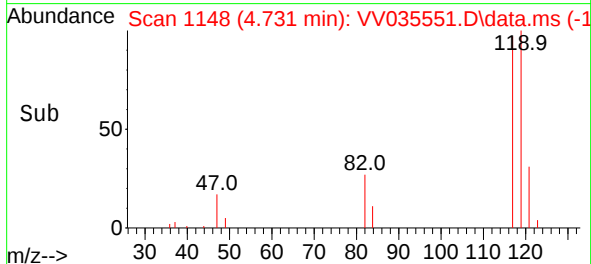
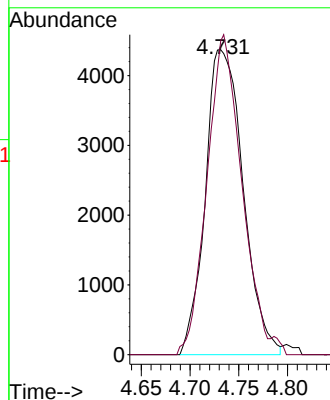
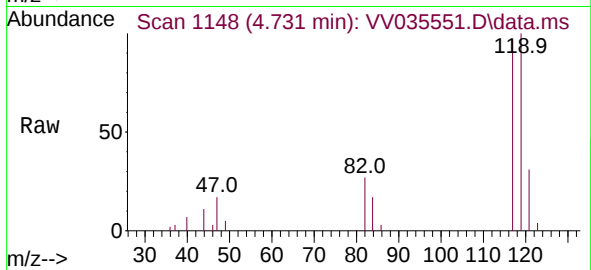




#31
Carbon tetrachloride
Concen: 1.101 ug/L
RT: 4.731 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

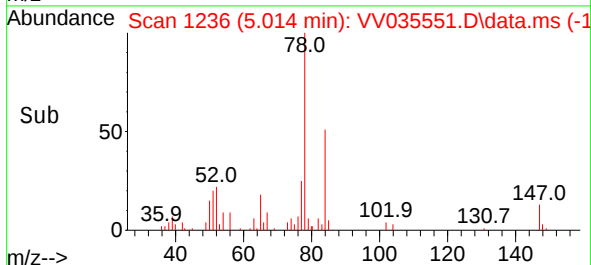
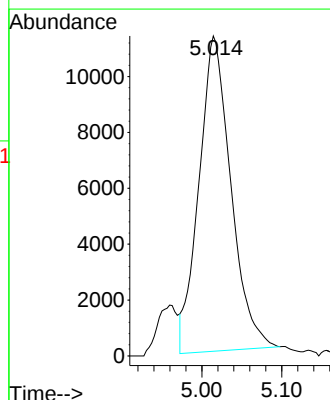
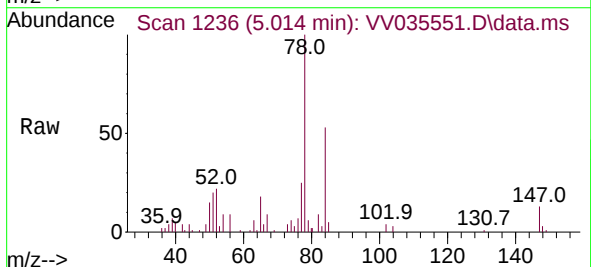
Instrument :
MSVOA_V
ClientSampleId :

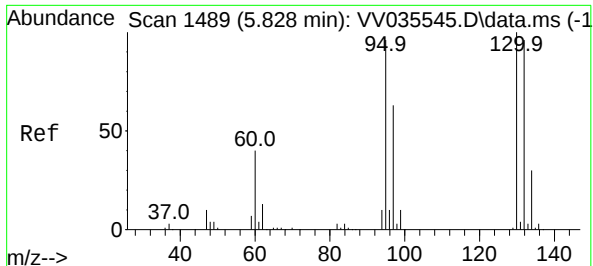
Tgt Ion:117 Resp: 11827
Ion Ratio Lower Upper
117 100
119 95.3 77.3 115.9



#33
Benzene
Concen: 1.070 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion: 78 Resp: 31287





#34

Trichloroethene

Concen: 1.079 ug/L

RT: 5.841 min Scan# 1489

Delta R.T. 0.013 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 8918

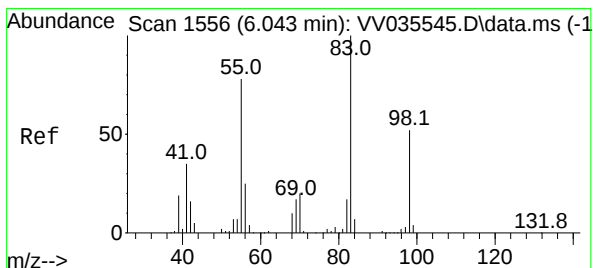
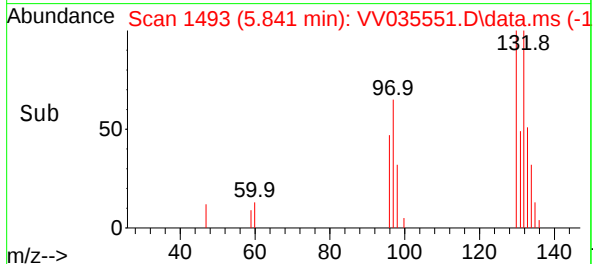
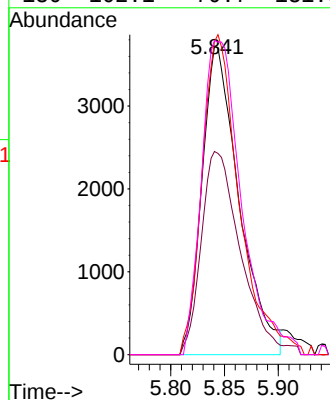
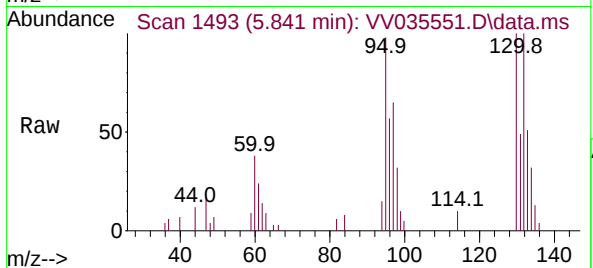
Ion Ratio Lower Upper

95 100

97 66.0 43.8 81.4

132 101.7 67.1 124.7

130 102.1 70.7 131.3



#35

Methylcyclohexane

Concen: 0.217 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

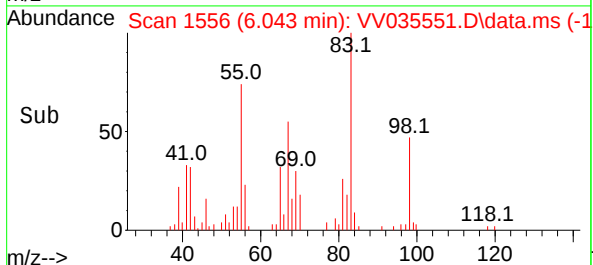
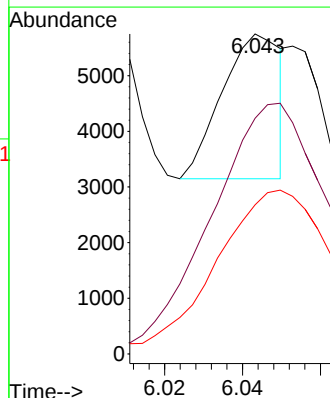
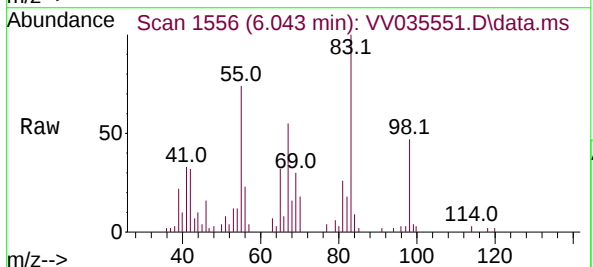
Tgt Ion: 83 Resp: 2722

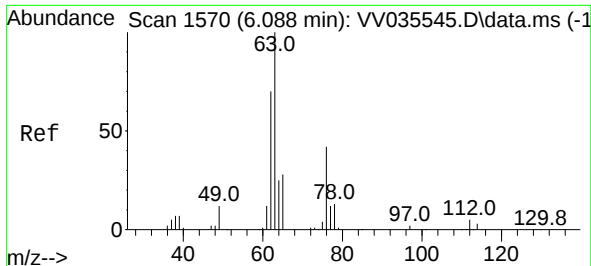
Ion Ratio Lower Upper

83 100

55 366.3 57.5 86.3#

98 233.0 38.6 58.0#





#37

1,2-Dichloropropane

Concen: 0.954 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

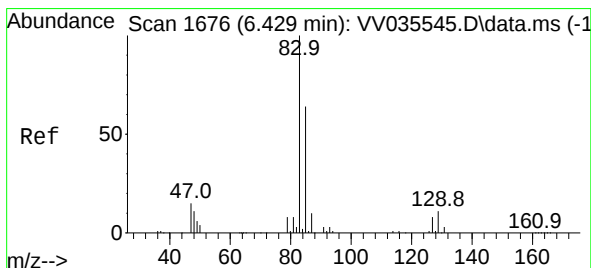
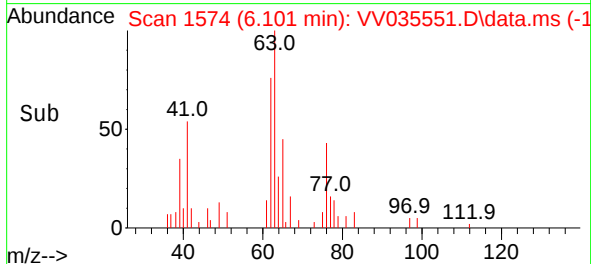
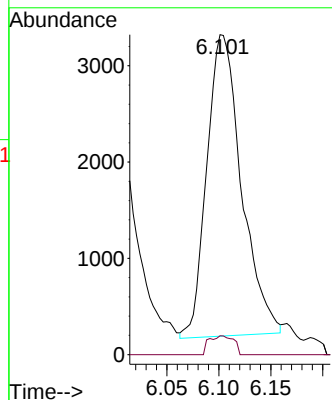
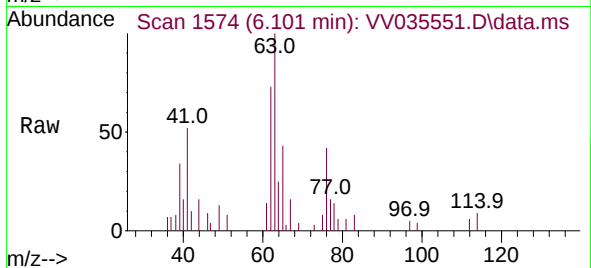
ClientSampleId :

Tgt Ion: 63 Resp: 7274

Ion Ratio Lower Upper

63 100

112 3.2 3.8 5.6#



#38

Bromodichloromethane

Concen: 1.087 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.013 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

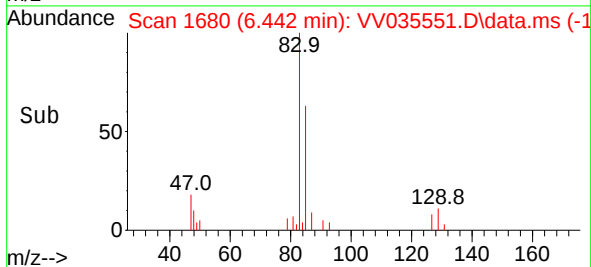
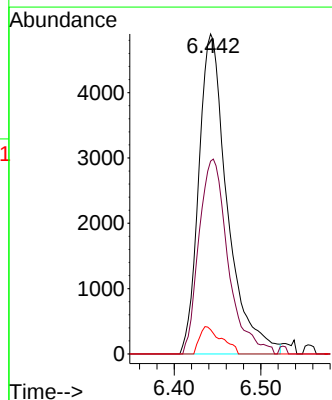
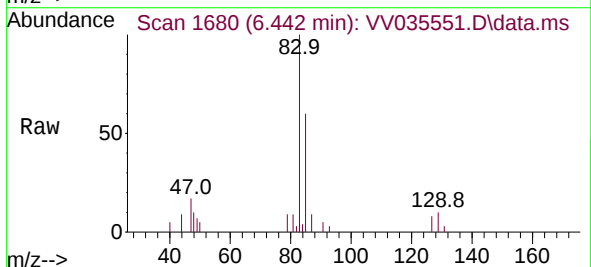
Tgt Ion: 83 Resp: 11228

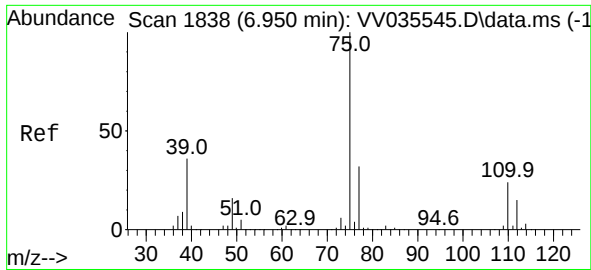
Ion Ratio Lower Upper

83 100

85 60.2 45.1 83.9

127 7.6 7.0 10.6

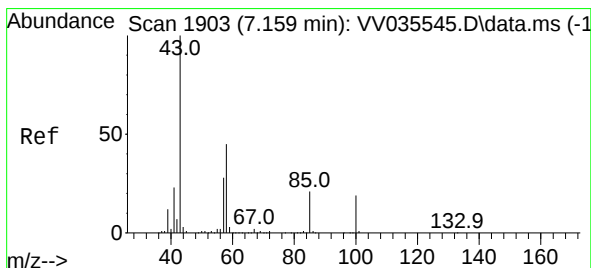
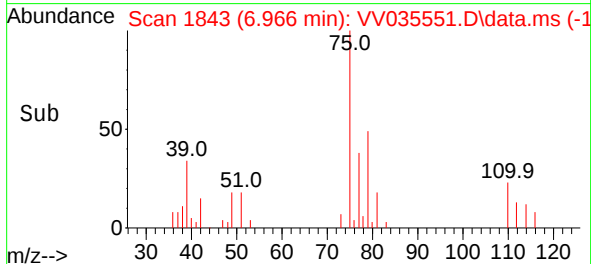
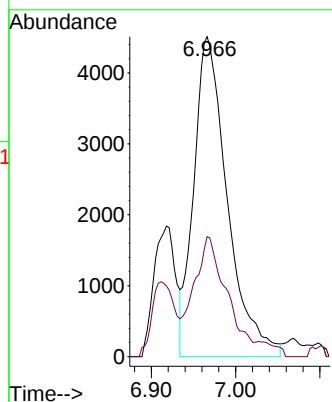
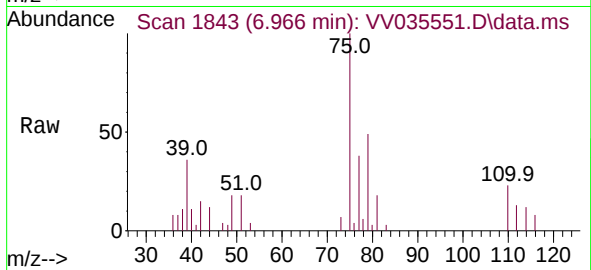




#39
cis-1,3-Dichloropropene
Concen: 1.047 ug/L
RT: 6.966 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

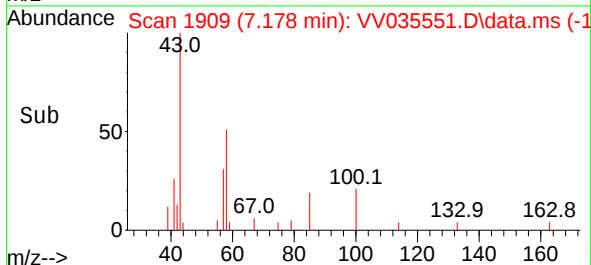
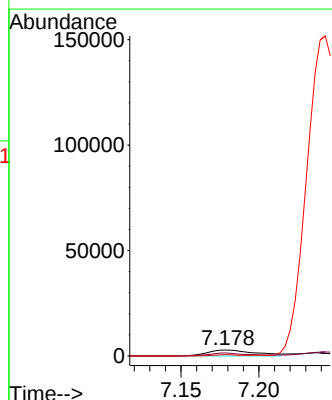
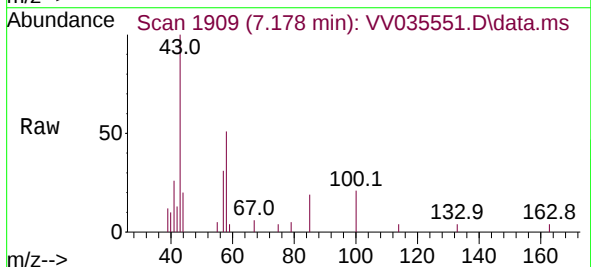
Instrument :
MSVOA_V
ClientSampleId :

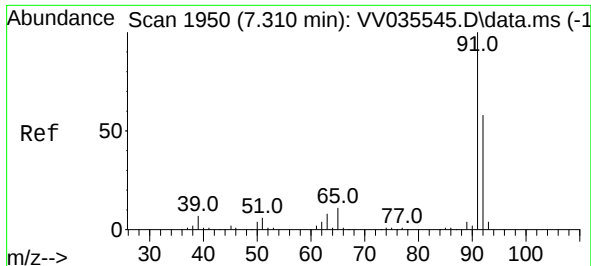
Tgt Ion: 75 Resp: 12486
Ion Ratio Lower Upper
75 100
77 37.5 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 1.313 ug/L
RT: 7.178 min Scan# 1909
Delta R.T. 0.019 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion: 43 Resp: 5999
Ion Ratio Lower Upper
43 100
58 40.8 34.8 52.2
100 12.0 13.9 20.9#





#42

Toluene

Concen: 1.065 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

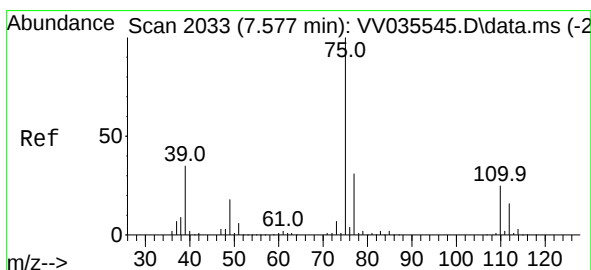
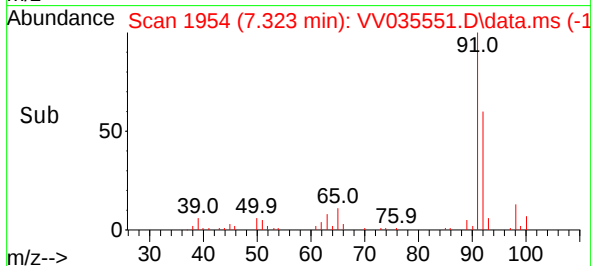
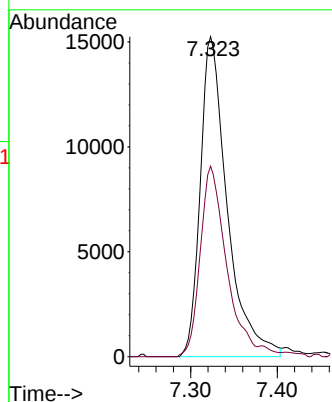
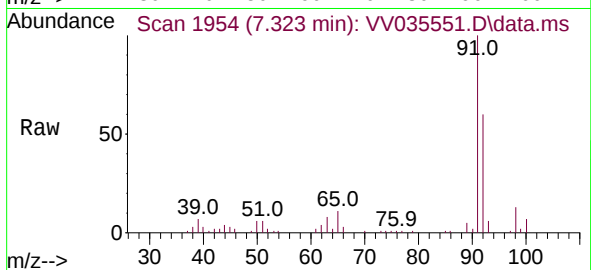
ClientSampleId :

Tgt Ion: 91 Resp: 32946

Ion Ratio Lower Upper

91 100

92 59.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 1.252 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.016 min

Lab File: VV035551.D

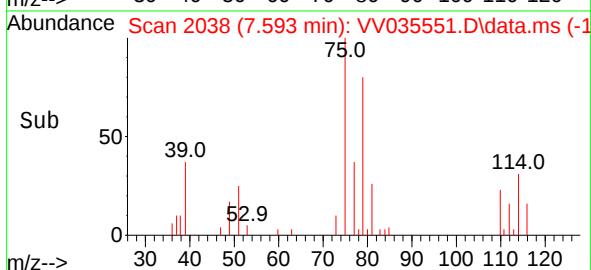
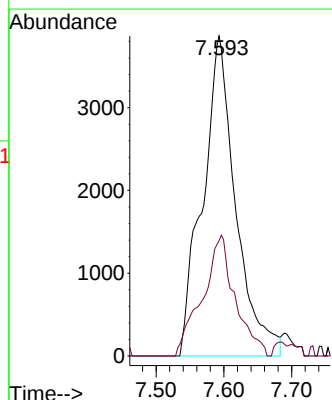
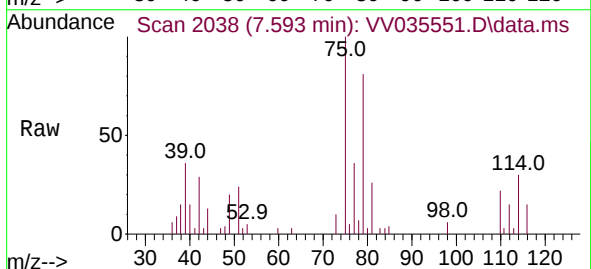
Acq: 07 May 2024 14:16

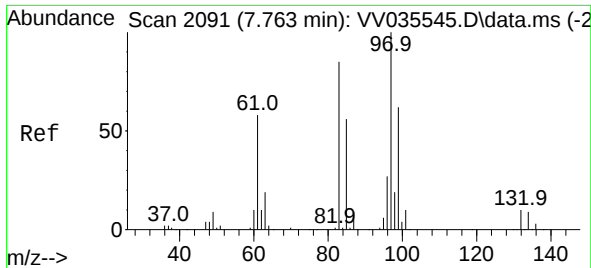
Tgt Ion: 75 Resp: 13066

Ion Ratio Lower Upper

75 100

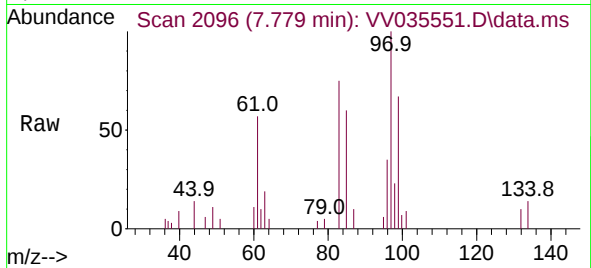
77 36.1 22.4 41.6



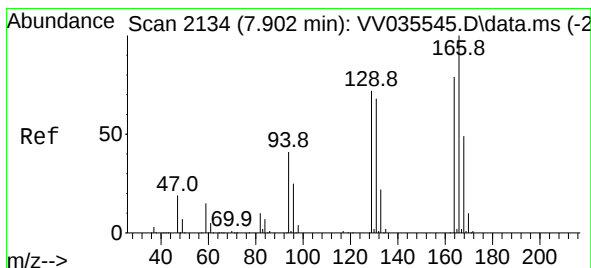
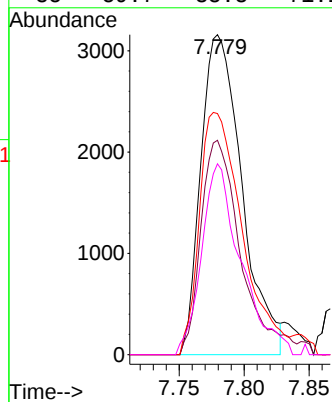
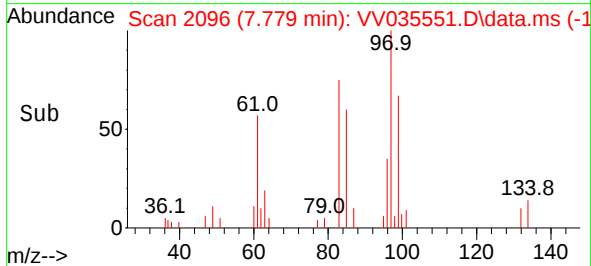


#45
1,1,2-Trichloroethane
Concen: 1.075 ug/L
RT: 7.779 min Scan# 2091
Delta R.T. 0.016 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Instrument :
MSVOA_V
ClientSampleId :

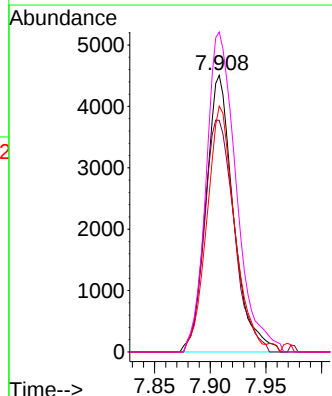
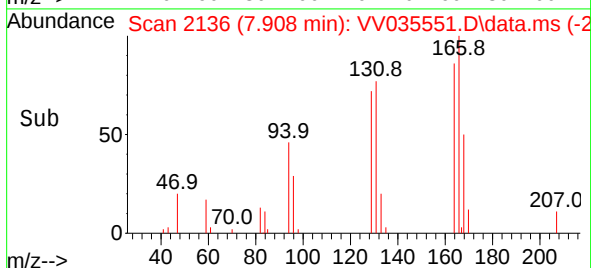
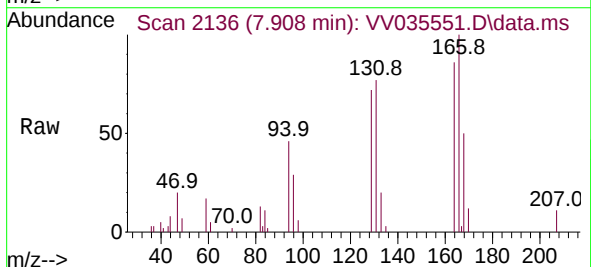


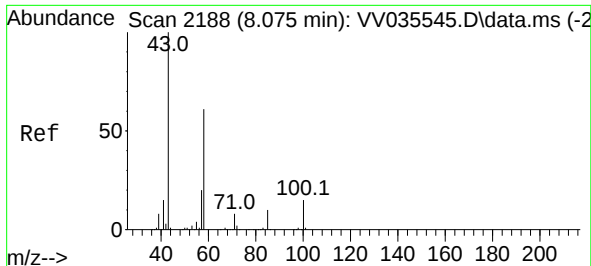
Tgt Ion:	97	Resp:	6963
Ion	Ratio	Lower	Upper
97	100		
99	67.0	43.3	80.3
83	75.3	60.3	111.9
85	59.7	38.3	71.1



#46
Tetrachloroethene
Concen: 1.159 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

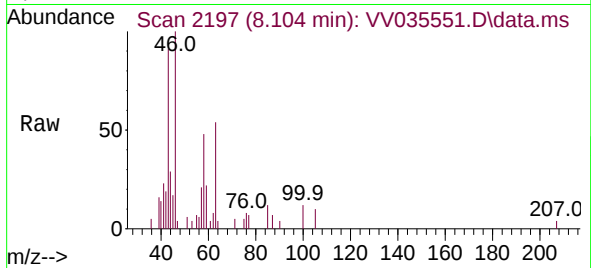
Tgt Ion:	164	Resp:	7788
Ion	Ratio	Lower	Upper
164	100		
129	83.7	63.4	117.8
131	88.9	61.0	113.4
166	115.6	88.8	164.8



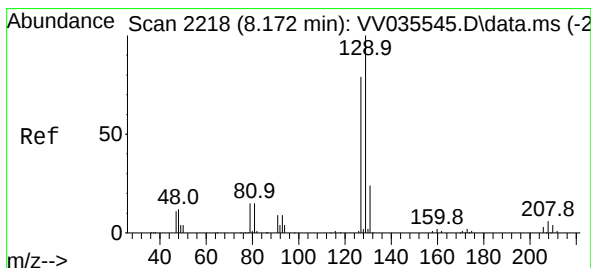
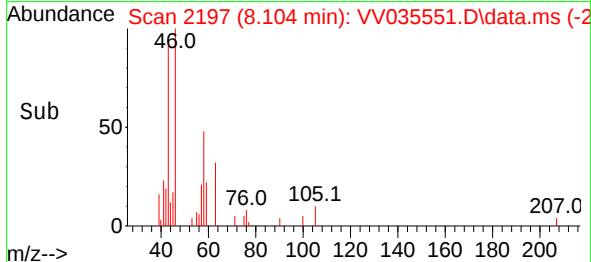
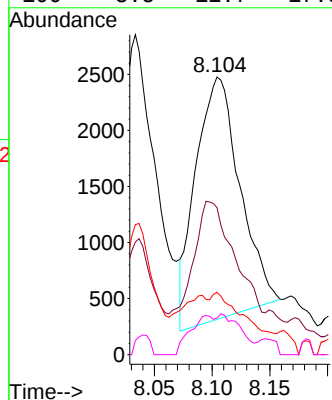


#48
2-Hexanone
Concen: 1.686 ug/L
RT: 8.104 min Scan# 2188
Delta R.T. 0.029 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Instrument :
MSVOA_V
ClientSampleId :

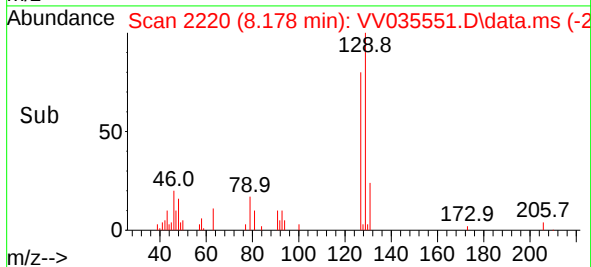
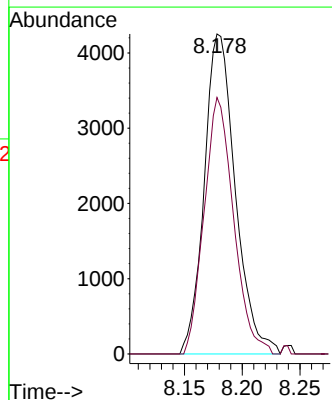
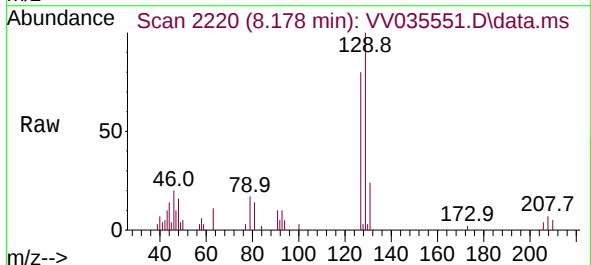


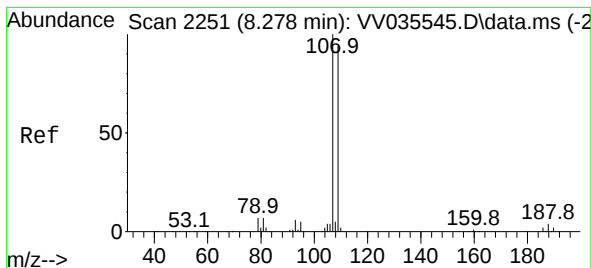
Tgt Ion: 43 Resp: 5772
Ion Ratio Lower Upper
43 100
58 47.2 48.8 73.2#
57 0.0 16.9 25.3#
100 8.5 11.7 17.5#



#49
Dibromochloromethane
Concen: 1.091 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.006 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion: 129 Resp: 7978
Ion Ratio Lower Upper
129 100
127 80.2 53.8 99.8





#50

1,2-Dibromoethane

Concen: 1.110 ug/L

RT: 8.294 min Scan# 2419

Delta R.T. 0.016 min

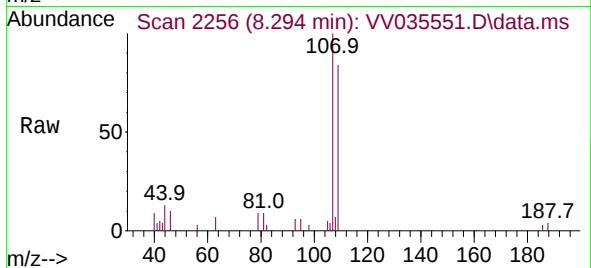
Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :



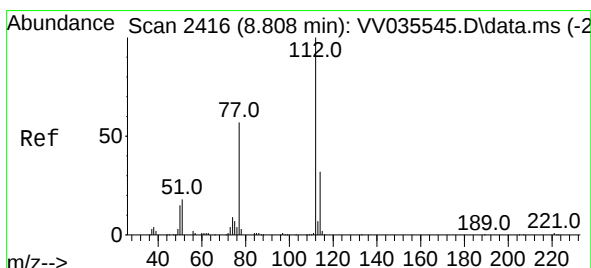
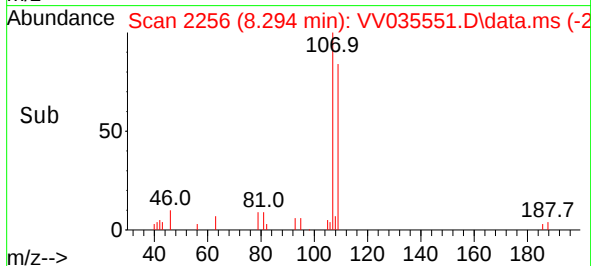
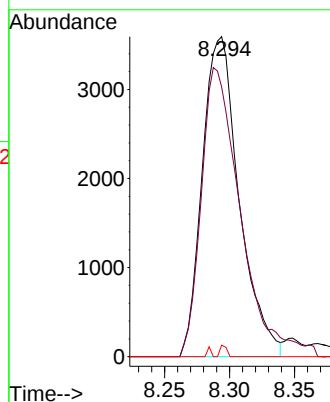
Tgt Ion:107 Resp: 7084

Ion Ratio Lower Upper

107 100

109 84.2 65.4 121.4

188 3.6 2.9 4.3



#51

Chlorobenzene

Concen: 1.059 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.010 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

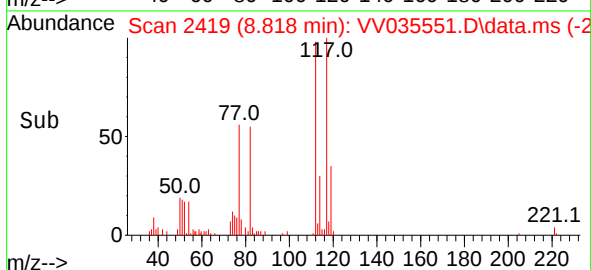
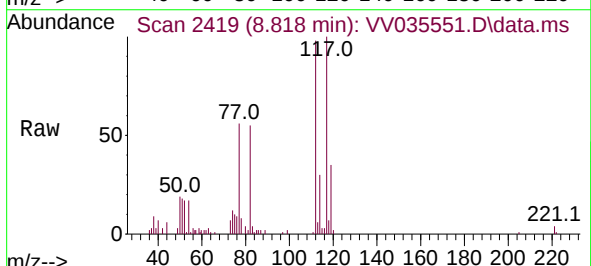
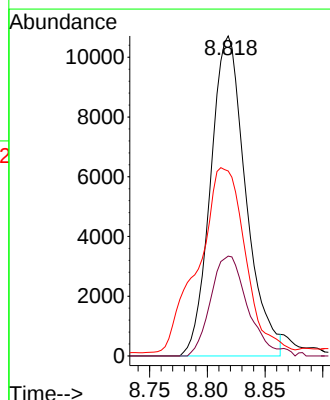
Tgt Ion:112 Resp: 22736

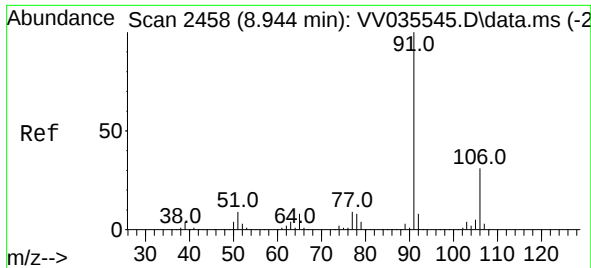
Ion Ratio Lower Upper

112 100

114 31.2 22.5 41.7

77 57.8 46.6 69.8





#52

Ethylbenzene

Concen: 0.959 ug/L

RT: 8.950 min Scan# 2458

Delta R.T. 0.006 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

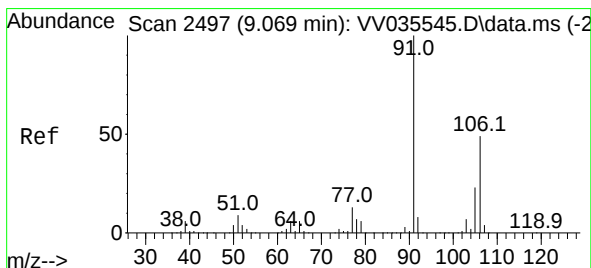
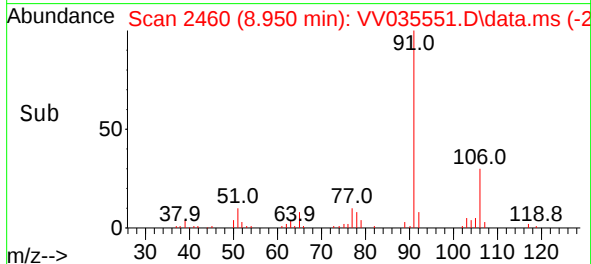
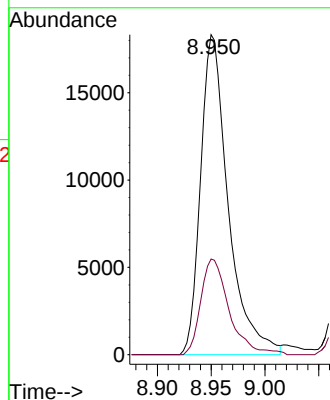
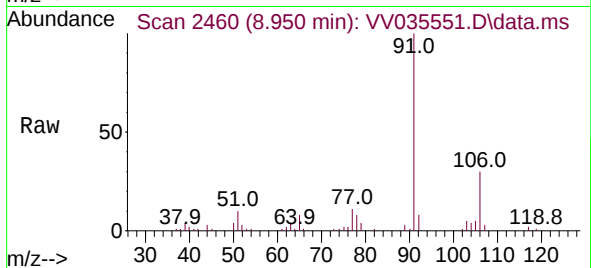
ClientSampleId :

Tgt Ion: 91 Resp: 32754

Ion Ratio Lower Upper

91 100

106 29.9 21.7 40.3



#53

m,p-Xylene

Concen: 0.920 ug/L

RT: 9.078 min Scan# 2500

Delta R.T. 0.010 min

Lab File: VV035551.D

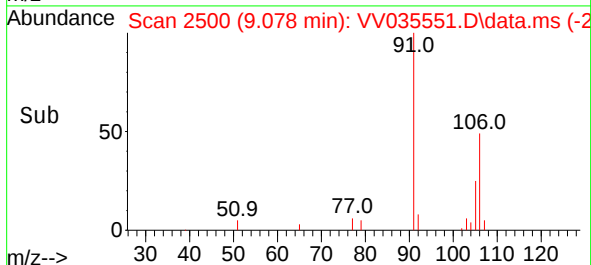
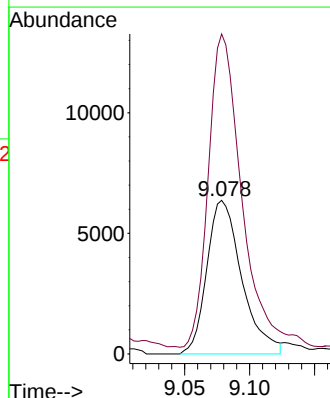
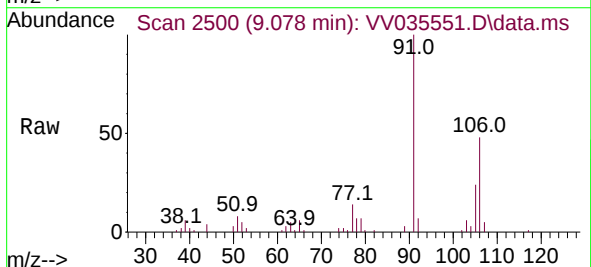
Acq: 07 May 2024 14:16

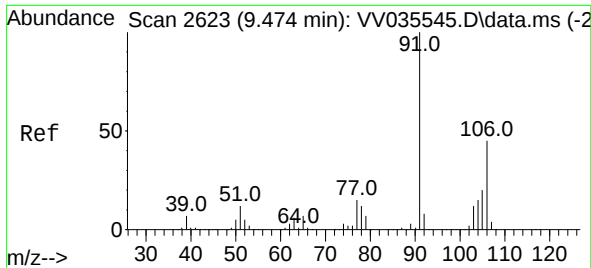
Tgt Ion: 106 Resp: 11916

Ion Ratio Lower Upper

106 100

91 208.4 142.7 264.9

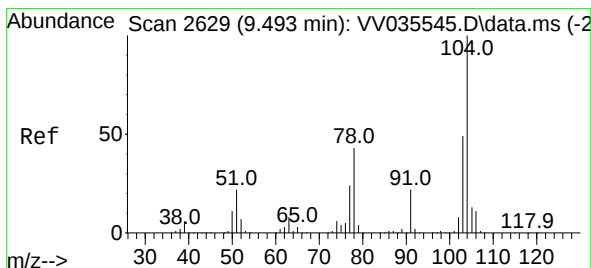
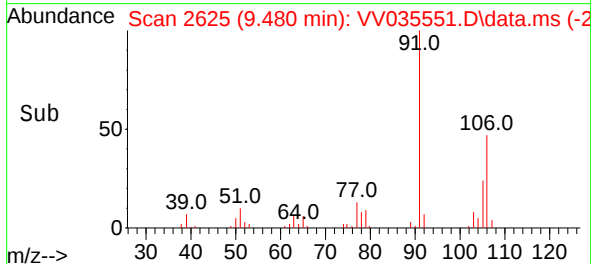
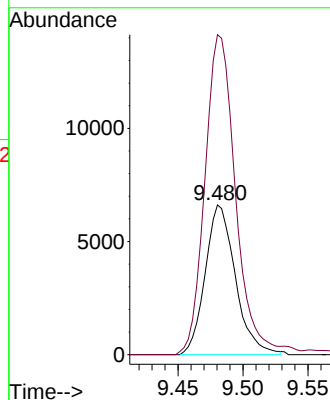
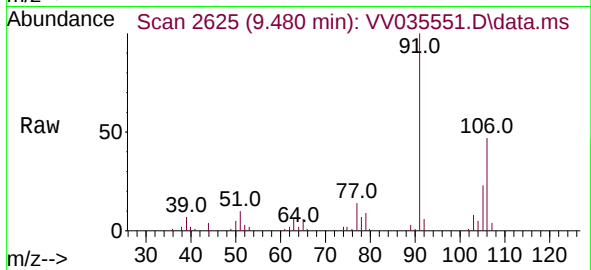




#54
o-Xylene
Concen: 0.870 ug/L
RT: 9.480 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

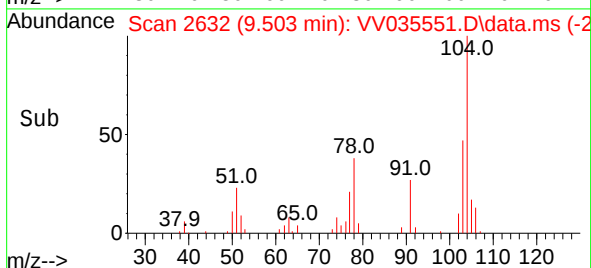
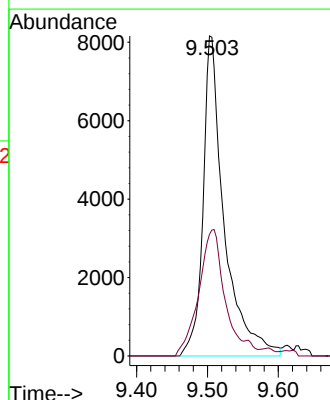
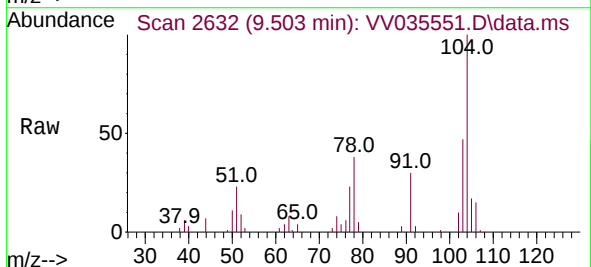
Instrument :
MSVOA_V
ClientSampleId :

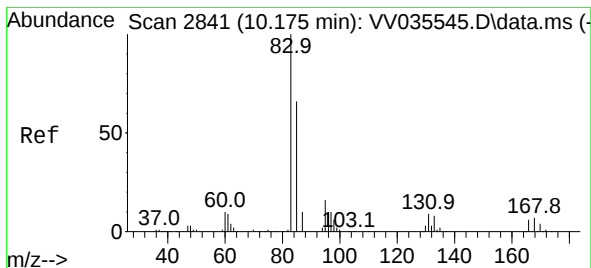
Tgt Ion:106 Resp: 10683
Ion Ratio Lower Upper
106 100
91 213.7 150.9 280.3



#55
Styrene
Concen: 0.790 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.010 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion:104 Resp: 16920
Ion Ratio Lower Upper
104 100
78 38.0 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 1.107 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV035551.D

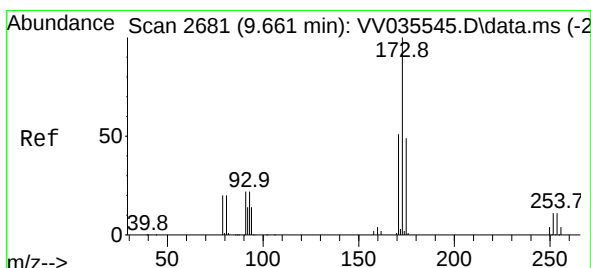
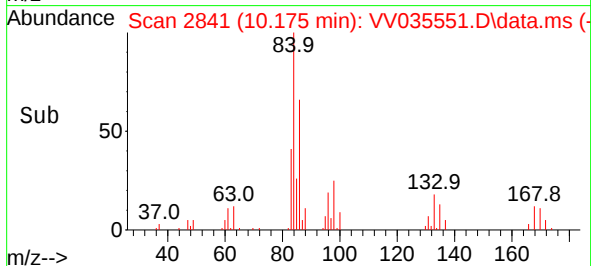
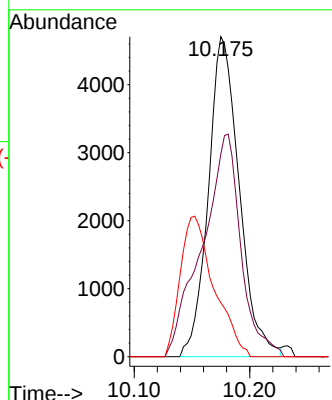
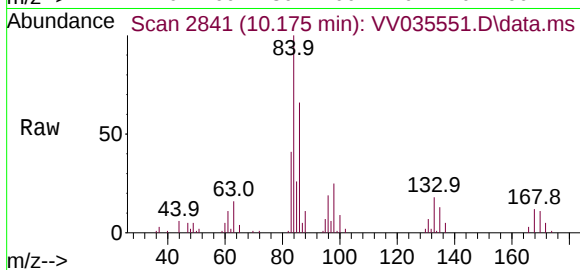
Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	8738
Ion Ratio	Lower	Upper	
83	100		
85	63.3	44.7	83.1
131	16.9	8.0	12.0#



#59

Bromoform

Concen: 1.107 ug/L

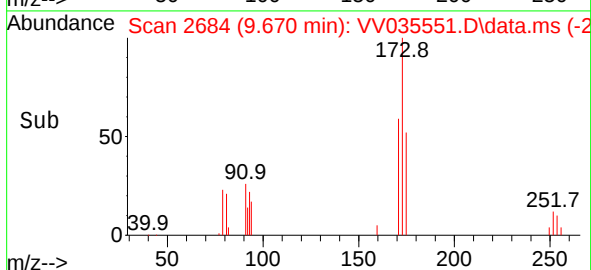
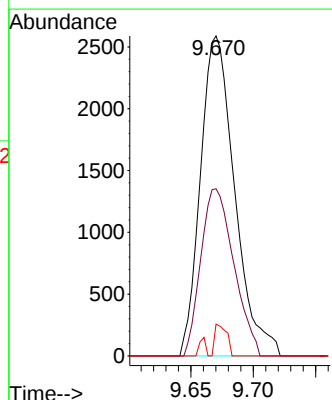
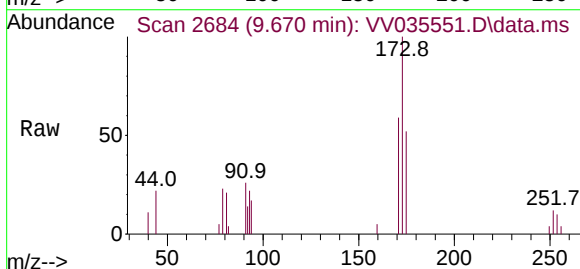
RT: 9.670 min Scan# 2684

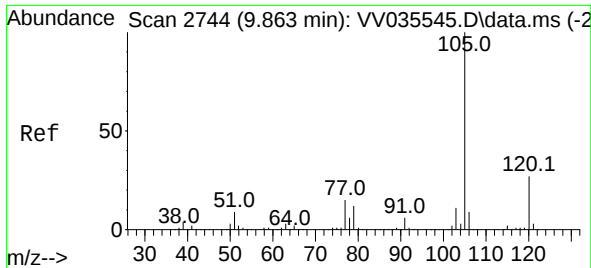
Delta R.T. 0.010 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Tgt Ion:	173	Resp:	4941
Ion Ratio	Lower	Upper	
173	100		
175	50.3	38.7	58.1
254	3.5	8.3	12.5#

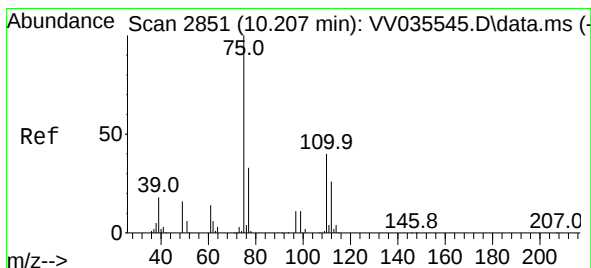
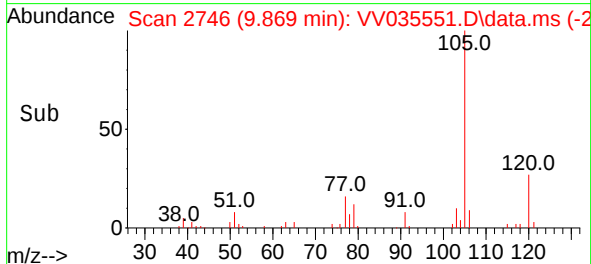
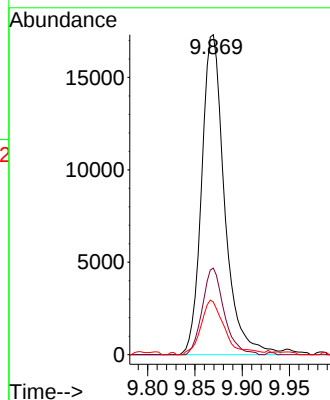
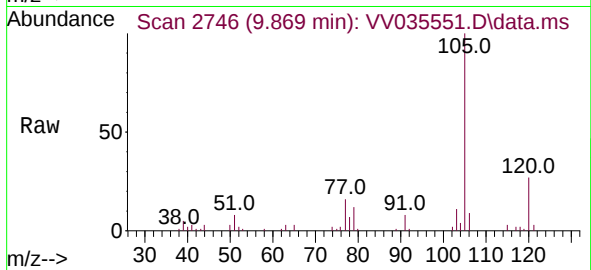




#60
Isopropylbenzene
Concen: 0.966 ug/L
RT: 9.869 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

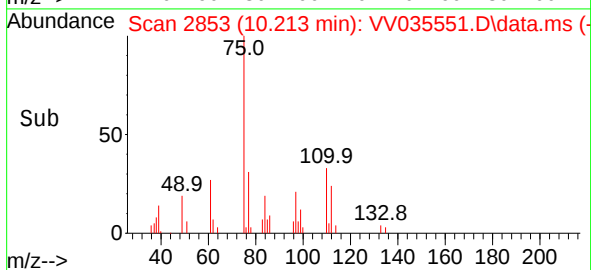
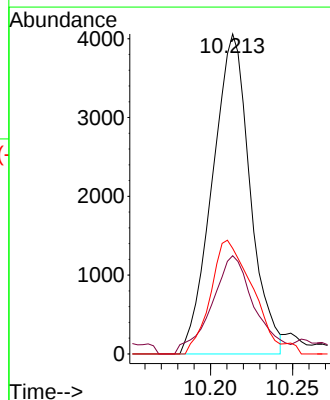
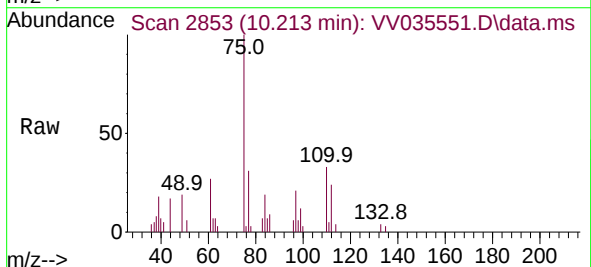
Instrument :
MSVOA_V
ClientSampleId :

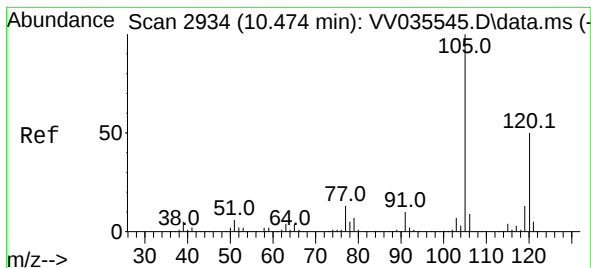
Tgt Ion:105 Resp: 29203
Ion Ratio Lower Upper
105 100
120 25.6 21.3 31.9
77 16.7 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 1.217 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. 0.006 min
Lab File: VV035551.D
Acq: 07 May 2024 14:16

Tgt Ion: 75 Resp: 6475
Ion Ratio Lower Upper
75 100
77 34.8 25.7 38.5
110 39.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.864 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

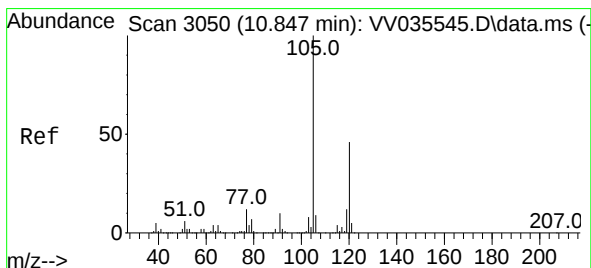
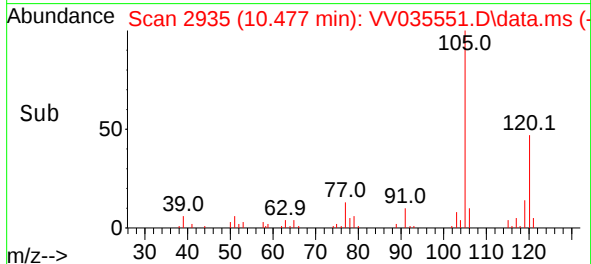
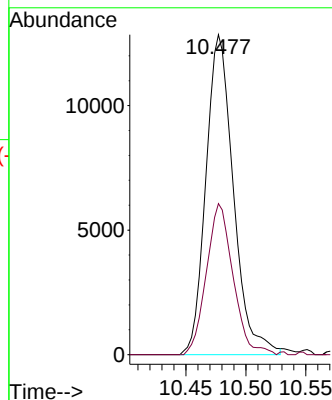
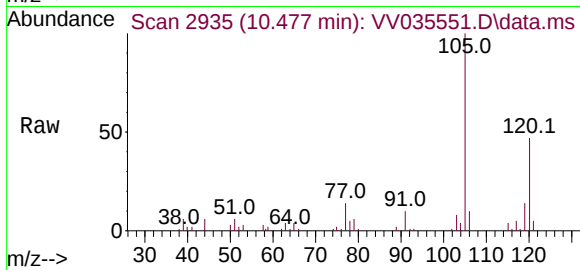
ClientSampleId :

Tgt Ion:105 Resp: 20504

Ion Ratio Lower Upper

105 100

120 44.9 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.861 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VV035551.D

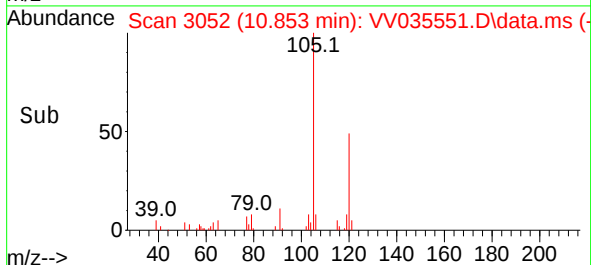
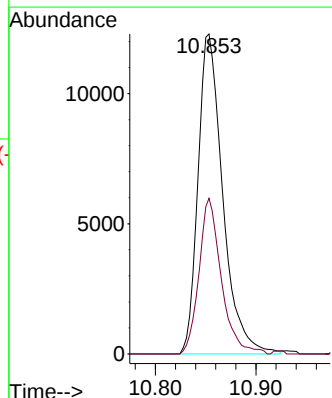
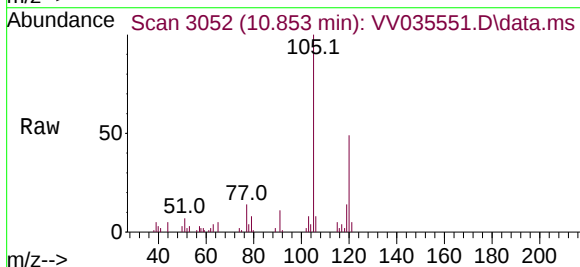
Acq: 07 May 2024 14:16

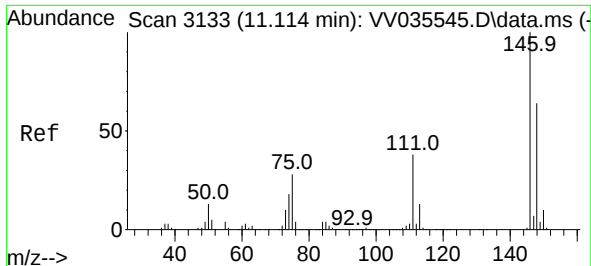
Tgt Ion:105 Resp: 21004

Ion Ratio Lower Upper

105 100

120 43.9 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 1.073 ug/L

RT: 11.123 min Scan# 3133

Delta R.T. 0.010 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

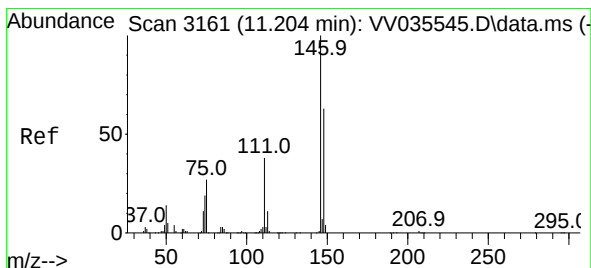
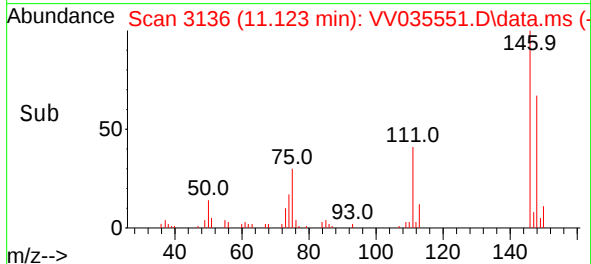
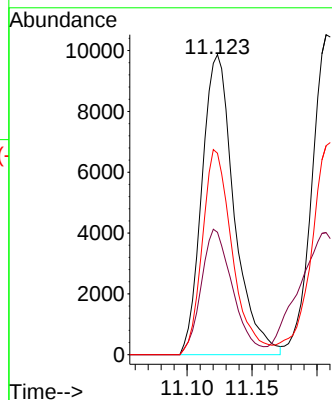
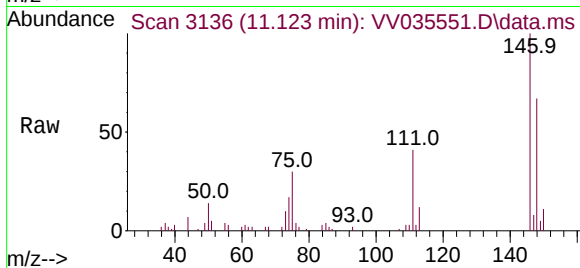
Tgt Ion:146 Resp: 17036

Ion Ratio Lower Upper

146 100

111 40.8 27.0 50.2

148 67.2 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 1.150 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

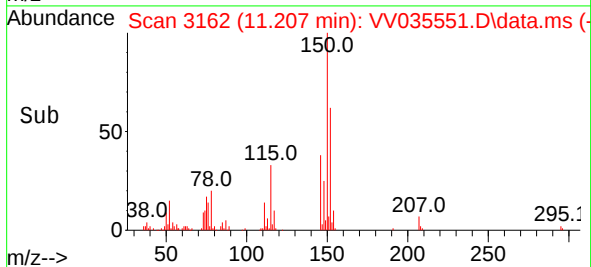
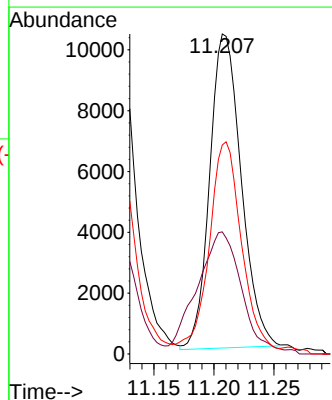
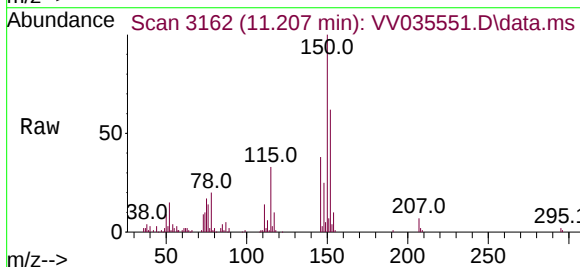
Tgt Ion:146 Resp: 18896

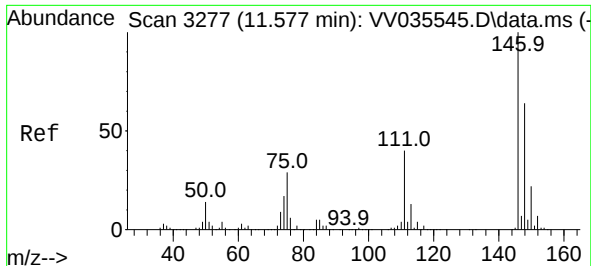
Ion Ratio Lower Upper

146 100

111 38.1 26.2 48.6

148 65.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 1.239 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

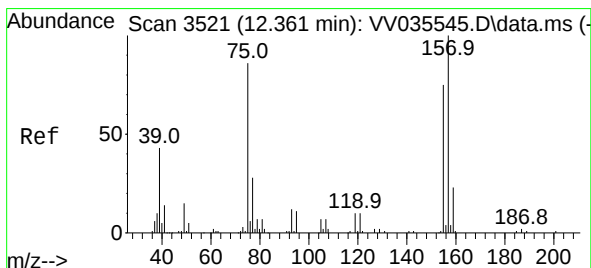
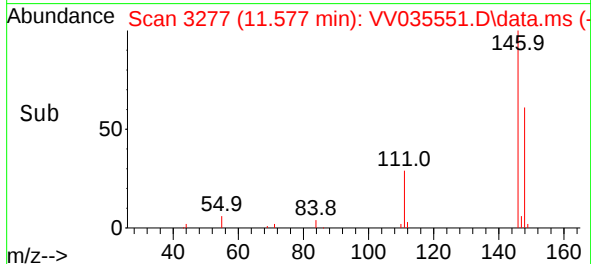
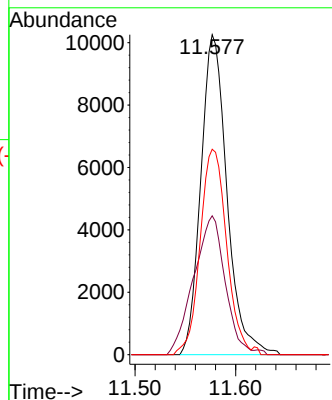
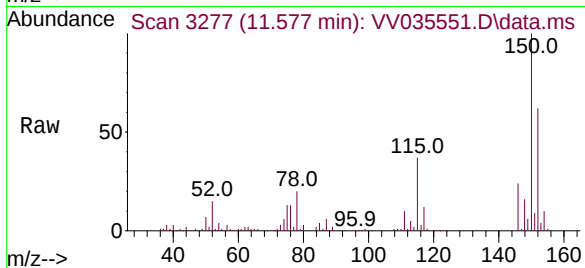
Tgt Ion:146 Resp: 18512

Ion Ratio Lower Upper

146 100

111 43.4 32.6 48.8

148 64.2 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 1.310 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.010 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

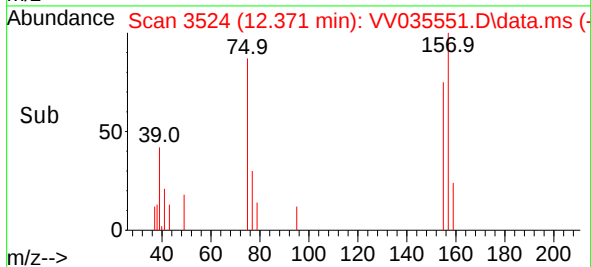
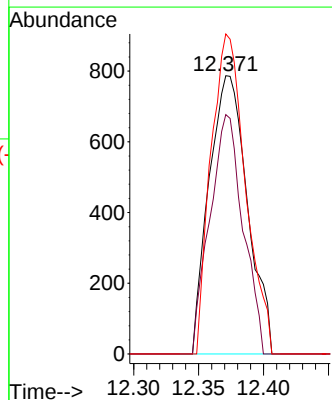
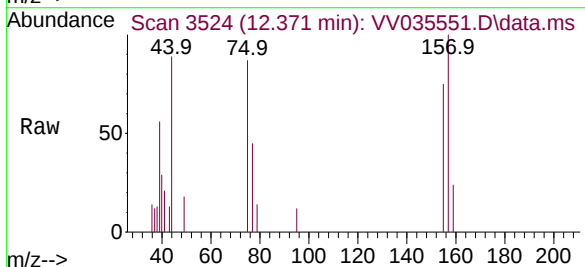
Tgt Ion: 75 Resp: 1617

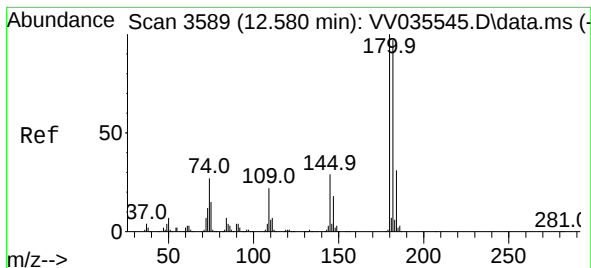
Ion Ratio Lower Upper

75 100

155 86.0 69.8 104.6

157 115.0 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 1.055 ug/L

RT: 12.583 min Scan# 3589

Delta R.T. 0.003 min

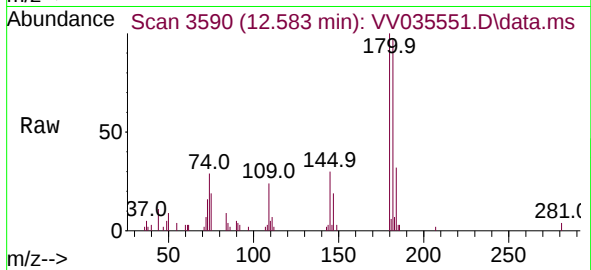
Lab File: VV035551.D

Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 13086

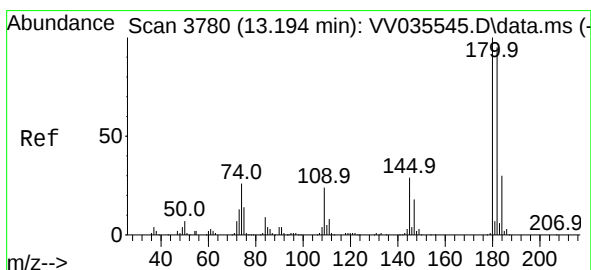
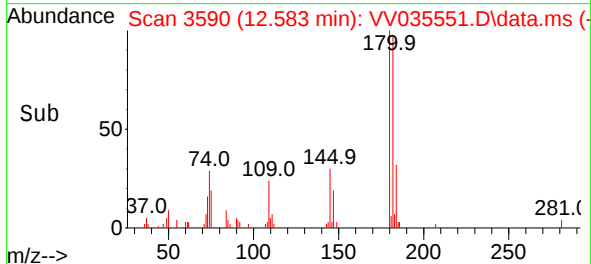
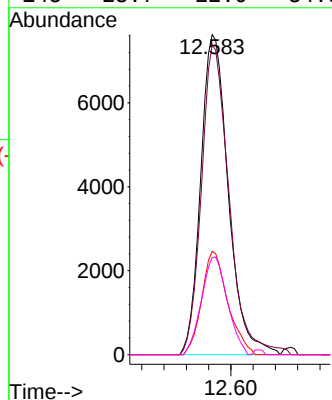
Ion Ratio Lower Upper

180 100

182 97.0 76.2 114.2

184 30.5 24.1 36.1

145 28.7 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 1.030 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

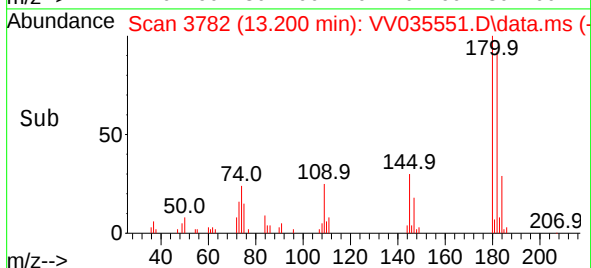
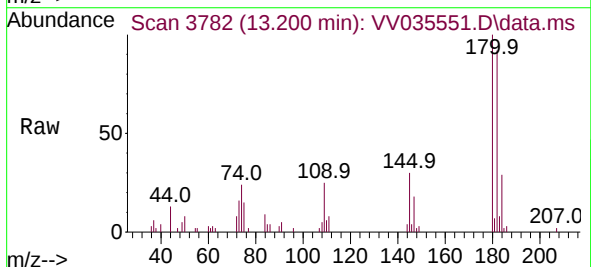
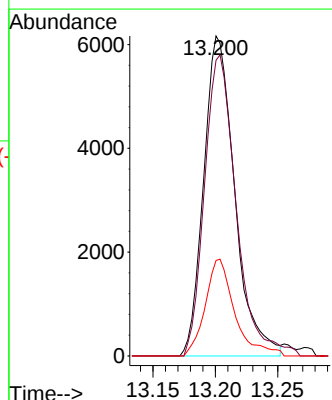
Tgt Ion:180 Resp: 10669

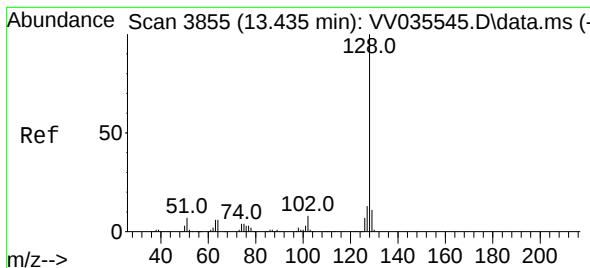
Ion Ratio Lower Upper

180 100

182 95.8 76.6 114.8

145 27.1 23.2 34.8





#71

Naphthalene

Concen: 0.884 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.010 min

Lab File: VV035551.D

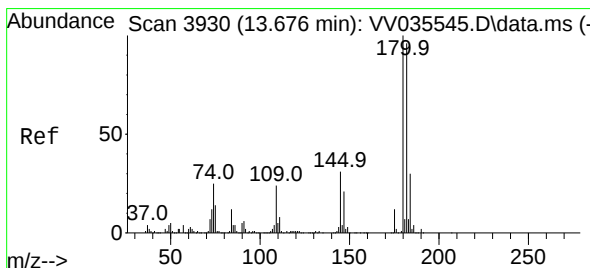
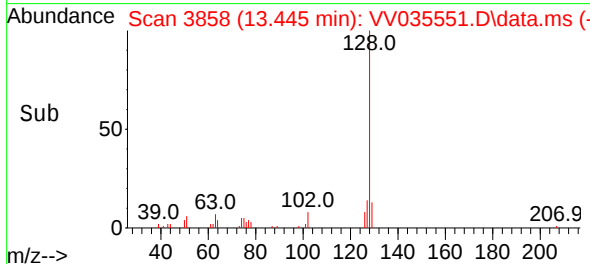
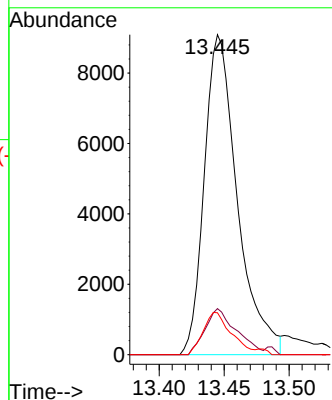
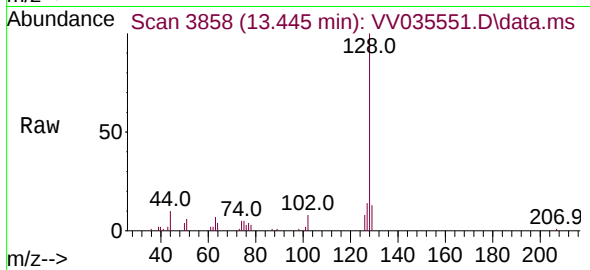
Acq: 07 May 2024 14:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	16072
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.4	15.6
129	11.3	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 1.072 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035551.D

Acq: 07 May 2024 14:16

Tgt Ion:	180	Resp:	9992
Ion Ratio	Lower	Upper	
180	100		
182	91.5	75.8	113.6
145	32.9	25.2	37.8

