

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051624\
 Data File : VV035627.D
 Acq On : 16 May 2024 15:18
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 17 01:58:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 17 01:55:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	458772	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	455475	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	241409	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	123582	34.936	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.880%
7) Chloroethane-d5	1.529	69	116019	44.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.020%
11) 1,1-Dichloroethene-d2	2.056	65	57834	38.087	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.180%
21) 2-Butanone-d5	3.789	46	235134	98.491	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.490%
24) Chloroform-d	4.243	84	307840	47.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
26) 1,2-Dichloroethane-d4	4.937	65	184740	48.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.700%
32) Benzene-d6	4.953	84	570917	44.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.060%
36) 1,2-Dichloropropane-d6	5.985	67	187376	46.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.740%
41) Toluene-d8	7.239	98	521896	44.722	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.440%
43) trans-1,3-Dichloroprop...	7.551	79	86898	44.603	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.200%
47) 2-Hexanone-d5	8.021	63	171353	93.281	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.280%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	275846	45.286	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.580%
66) 1,2-Dichlorobenzene-d4	11.558	152	213274	44.467	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	144282	46.945	ug/L	99
3) Chloromethane	1.214	50	155692	46.760	ug/L	100
5) Vinyl chloride	1.281	62	166741	47.554	ug/L	99
6) Bromomethane	1.487	94	114606	51.406	ug/L	99
8) Chloroethane	1.545	64	112377	55.741	ug/L	100
9) Trichlorofluoromethane	1.709	101	238500	50.559	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	152931	51.147	ug/L	99
12) 1,1-Dichloroethene	2.066	96	130869	49.000	ug/L	81
13) Acetone	2.124	43	185969	84.142	ug/L	100
14) Carbon disulfide	2.236	76	311643	44.417	ug/L	99
15) Methyl Acetate	2.375	43	186720	52.080	ug/L	99
16) Methylene chloride	2.442	84	176553	52.170	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	141731	50.205	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	531436	53.528	ug/L	99
19) 1,1-Dichloroethane	3.108	63	311551	52.557	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	173286	51.610	ug/L	97
22) 2-Butanone	3.870	43	246376	94.165	ug/L	100
23) Bromochloromethane	4.143	128	98023	53.381	ug/L	97
25) Chloroform	4.272	83	329705	53.886	ug/L	100

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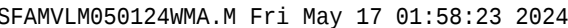
Instrument :
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 ClientSampleId :

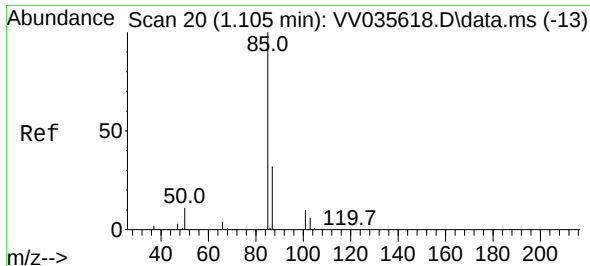
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 Quant Title : VOC Analysis
 QLast Update : Fri May 17 01:55:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	243064	55.509	ug/L	99
29) Cyclohexane	4.577	56	197013	48.446	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	267899	51.394	ug/L	99
31) Carbon tetrachloride	4.728	117	230099	51.053	ug/L	99
33) Benzene	5.005	78	645919	52.516	ug/L	100
34) Trichloroethene	5.828	95	186439	56.961	ug/L	99
35) Methylcyclohexane	6.047	83	232230	50.295	ug/L	98
37) 1,2-Dichloropropane	6.088	63	185898	55.010	ug/L	99
38) Bromodichloromethane	6.429	83	250695	53.922	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	277306	52.274	ug/L	99
40) 4-Methyl-2-pentanone	7.153	43	501771	111.235	ug/L	98
42) Toluene	7.310	91	684940	53.082	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	271760	53.933	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	197764	54.719	ug/L	99
46) Tetrachloroethene	7.902	164	131276	49.657	ug/L	99
48) 2-Hexanone	8.072	43	395487	107.754	ug/L	98
49) Dibromochloromethane	8.172	129	198230	52.398	ug/L	100
50) 1,2-Dibromoethane	8.278	107	198474	52.563	ug/L	98
51) Chlorobenzene	8.812	112	458016	51.132	ug/L	100
52) Ethylbenzene	8.944	91	731042	52.442	ug/L	99
53) m,p-Xylene	9.069	106	276329	53.434	ug/L	100
54) o-Xylene	9.474	106	273117	52.411	ug/L	98
55) Styrene	9.493	104	505044	56.077	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	279823	45.251	ug/L	99
59) Bromoform	9.661	173	152933	48.978	ug/L	100
60) Isopropylbenzene	9.863	105	738373	52.966	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	255457	52.747	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	590938	52.965	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	598574	53.503	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	374794	51.920	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	383554	50.354	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	390170	51.661	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	69446	48.689	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	274601	50.116	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	234283	48.537	ug/L	99
71) Naphthalene	13.435	128	600188	44.365	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	252847	50.466	ug/L	100

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

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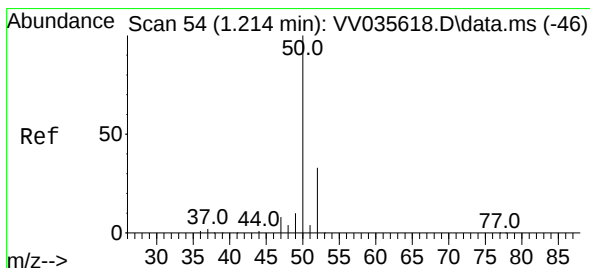
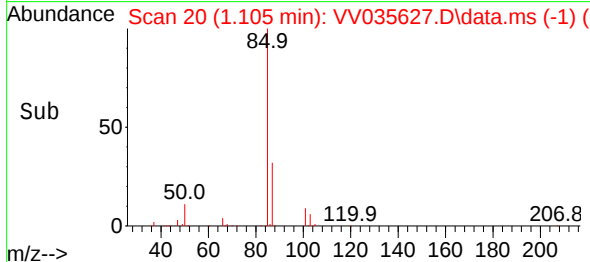
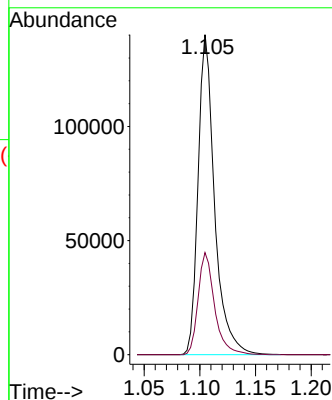
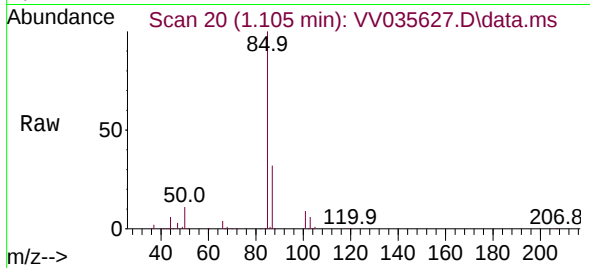




#2
 Dichlorodifluoromethane
 Concen: 46.945 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV035627.D
 Acq: 16 May 2024 15:18

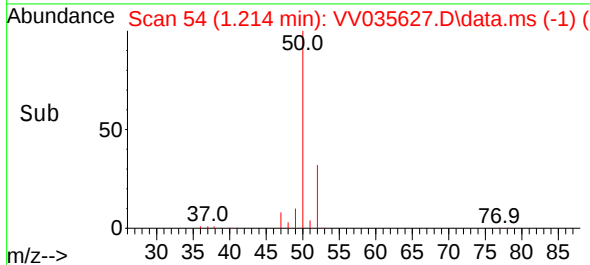
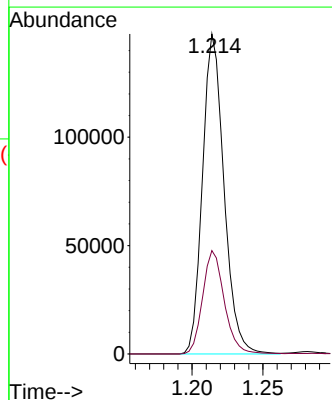
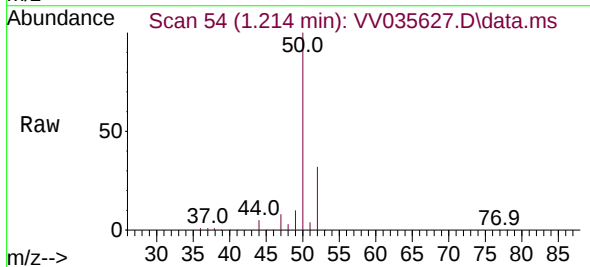
Instrument :
 MSVOA_V
 ClientSampleId :

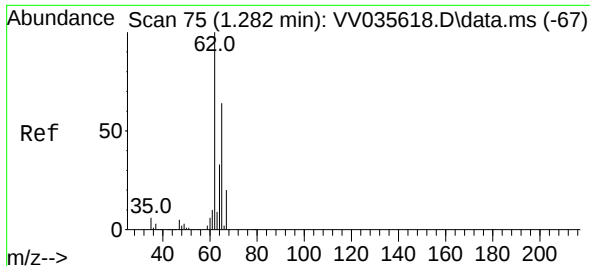
Tgt Ion: 85 Resp: 144282
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.8



#3
 Chloromethane
 Concen: 46.760 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV035627.D
 Acq: 16 May 2024 15:18

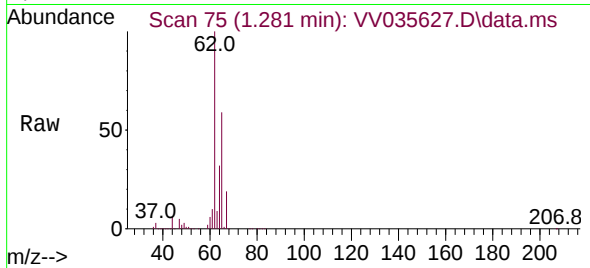
Tgt Ion: 50 Resp: 155692
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.6 42.0



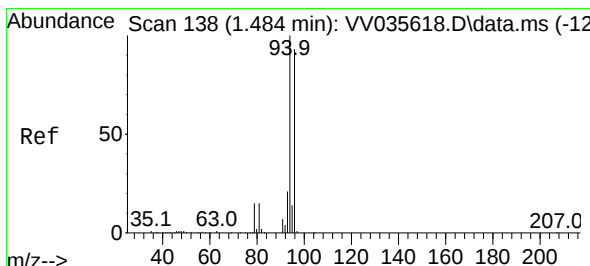
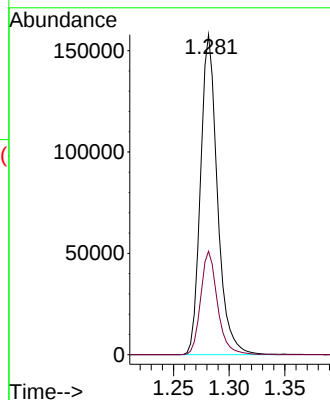
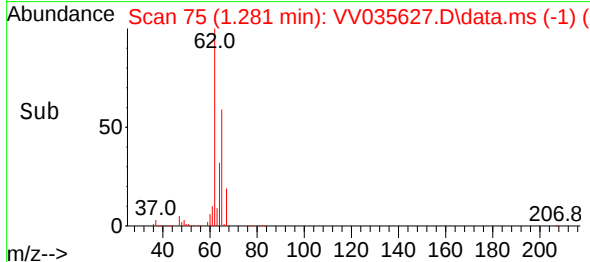


#5
 Vinyl chloride
 Concen: 47.554 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV035627.D
 Acq: 16 May 2024 15:18

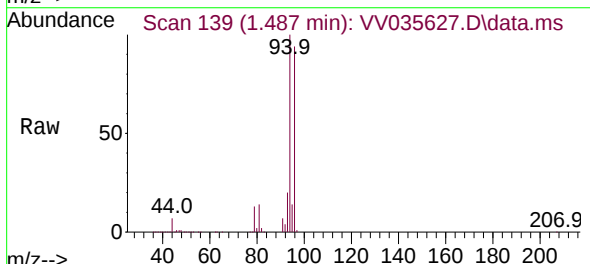
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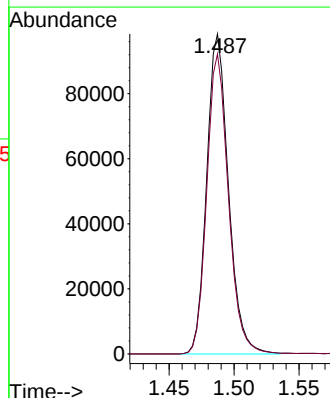
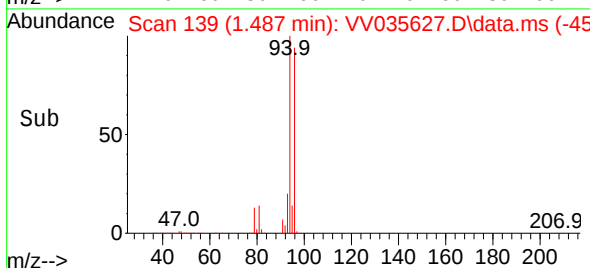
Tgt Ion: 62 Resp: 166741
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.9 42.5

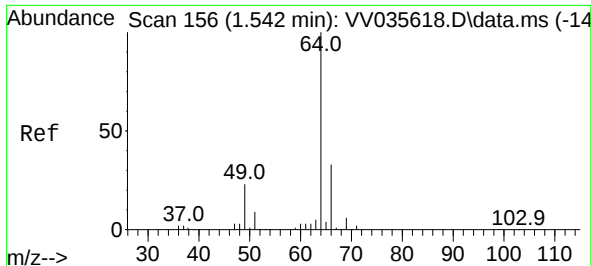


#6
 Bromomethane
 Concen: 51.406 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV035627.D
 Acq: 16 May 2024 15:18



Tgt Ion: 94 Resp: 114606
 Ion Ratio Lower Upper
 94 100
 96 93.8 66.2 123.0

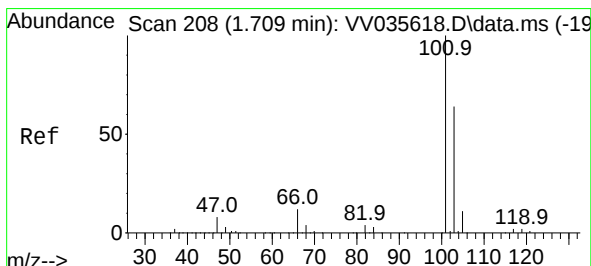
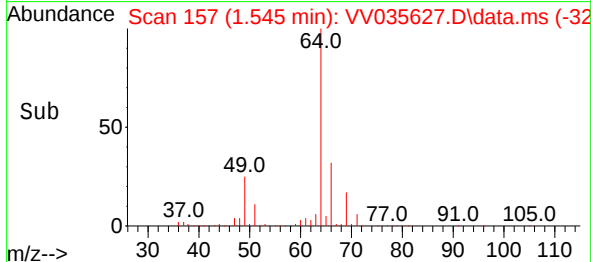
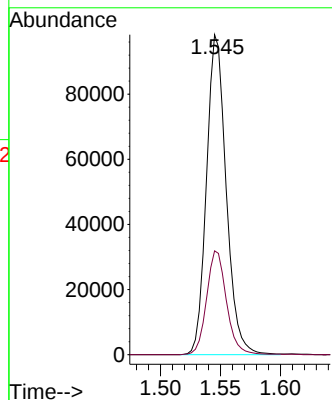
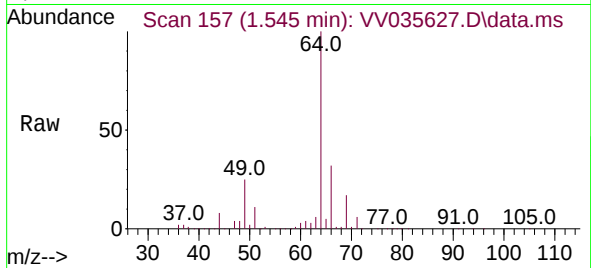




#8
Chloroethane
Concen: 55.741 ug/L
RT: 1.545 min Scan# 156
Delta R.T. 0.003 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

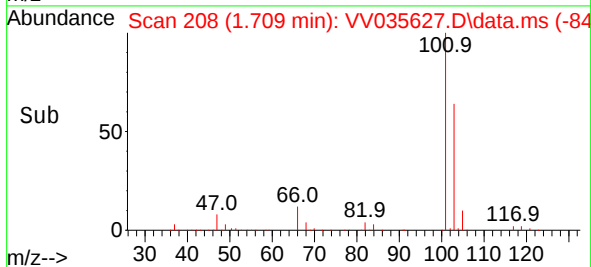
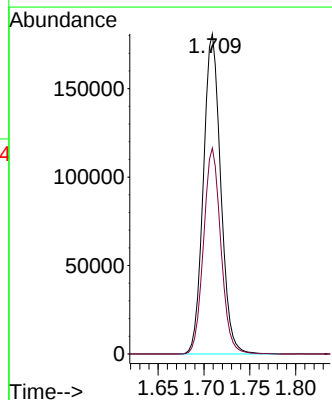
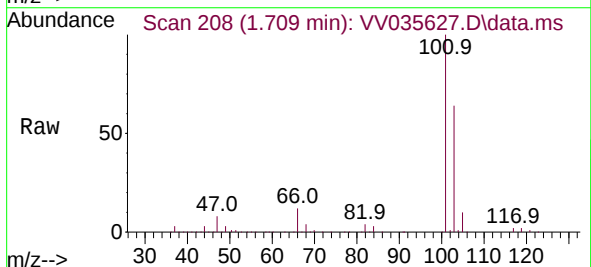
Instrument :
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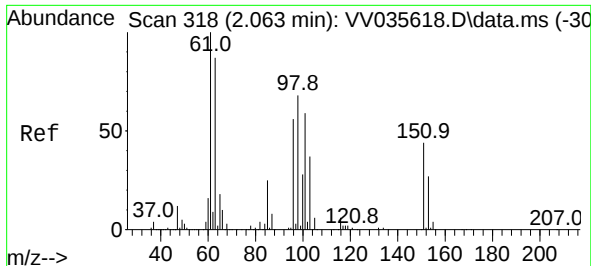
Tgt Ion: 64 Resp: 112377
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 50.559 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion:101 Resp: 238500
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0

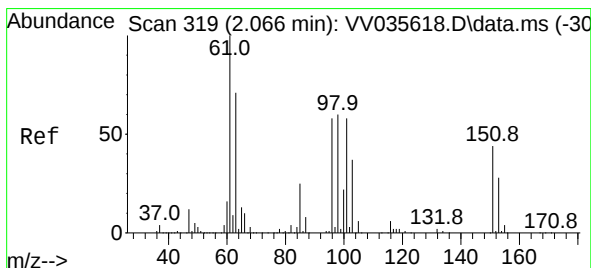
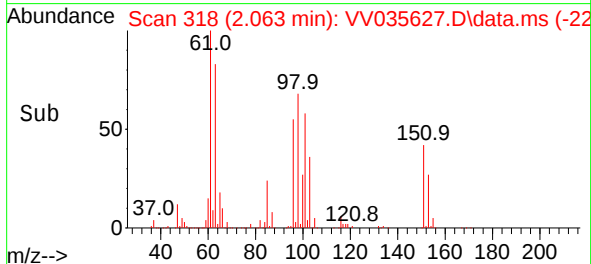
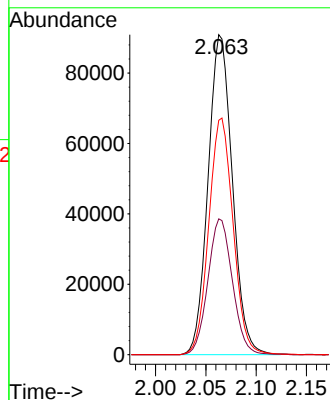
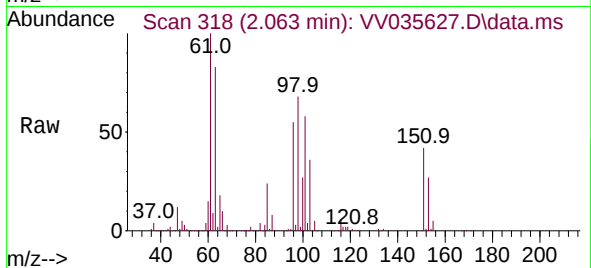




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.147 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV035627.D
 Acq: 16 May 2024 15:18

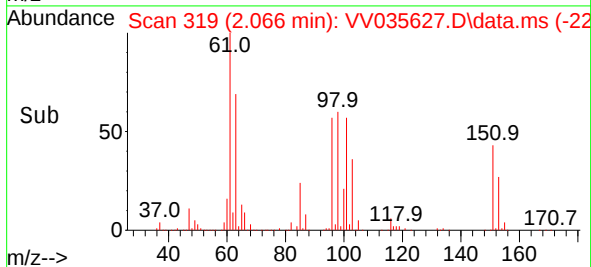
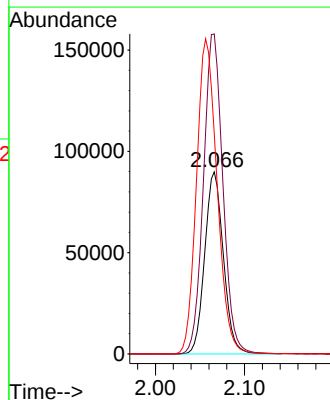
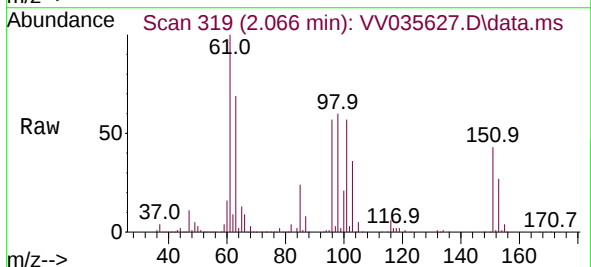
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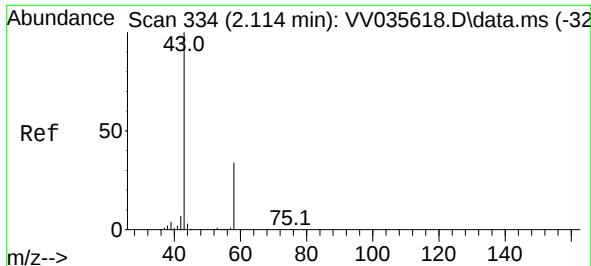
Tgt Ion:101 Resp: 152931
 Ion Ratio Lower Upper
 101 100
 85 42.7 34.4 51.6
 151 74.1 60.1 90.1



#12
 1,1-Dichloroethene
 Concen: 49.000 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.000 min
 Lab File: VV035627.D
 Acq: 16 May 2024 15:18

Tgt Ion: 96 Resp: 130869
 Ion Ratio Lower Upper
 96 100
 61 175.7 126.5 234.9
 63 120.7 118.1 219.3





#13

Acetone

Concen: 84.142 ug/L

RT: 2.124 min Scan# 334

Delta R.T. 0.010 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

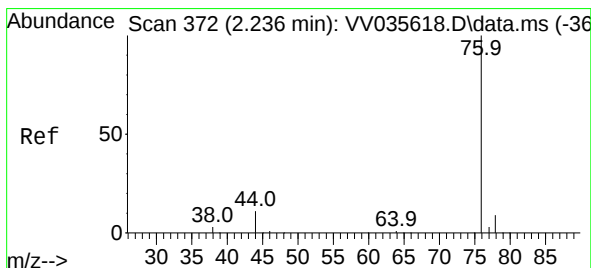
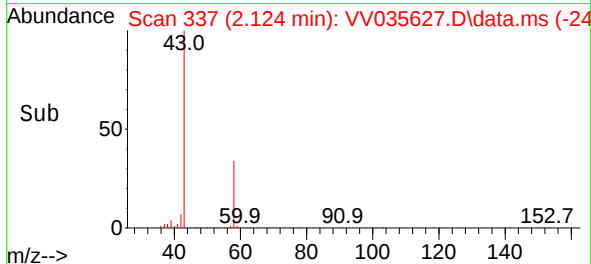
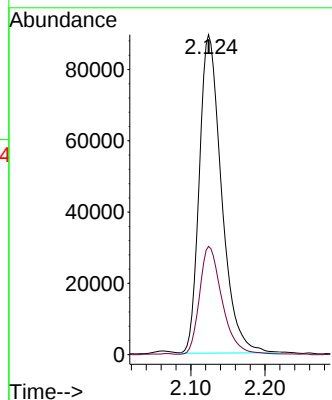
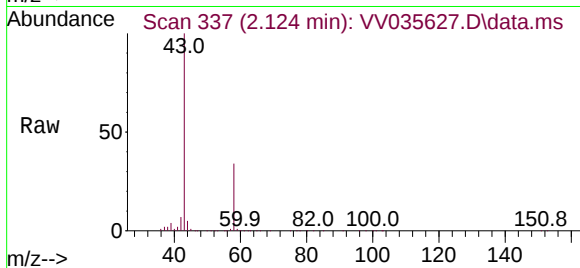
ClientSampleId :

Tgt Ion: 43 Resp: 185969

Ion Ratio Lower Upper

43 100

58 34.3 0.0 68.8



#14

Carbon disulfide

Concen: 44.417 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV035627.D

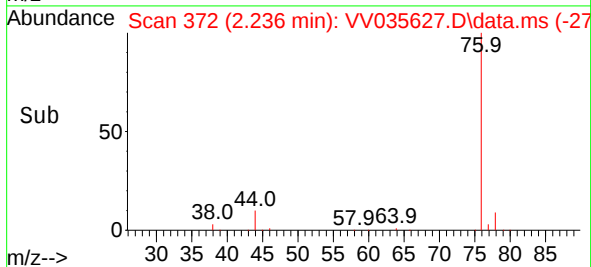
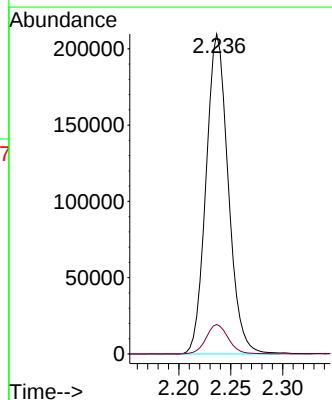
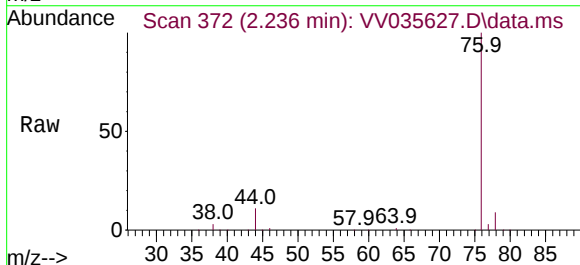
Acq: 16 May 2024 15:18

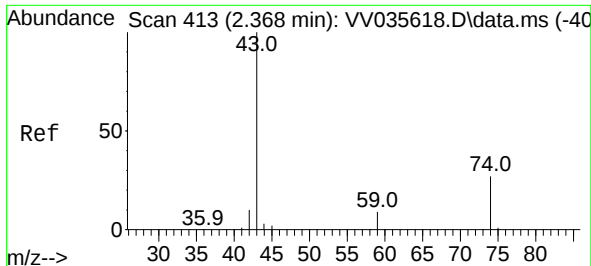
Tgt Ion: 76 Resp: 311643

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

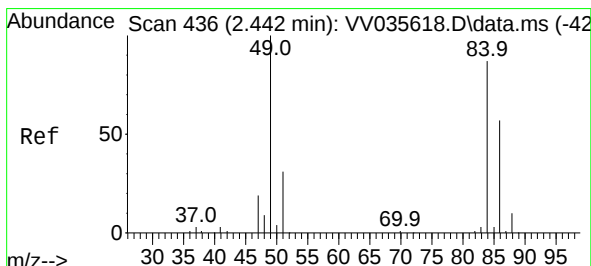
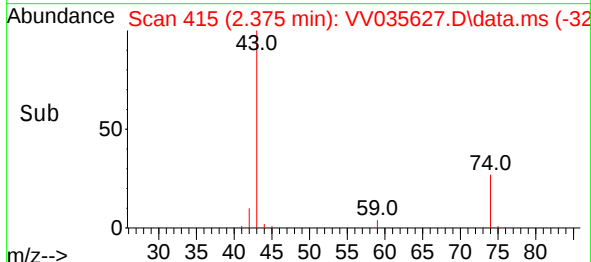
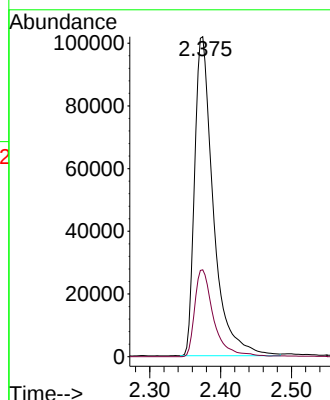
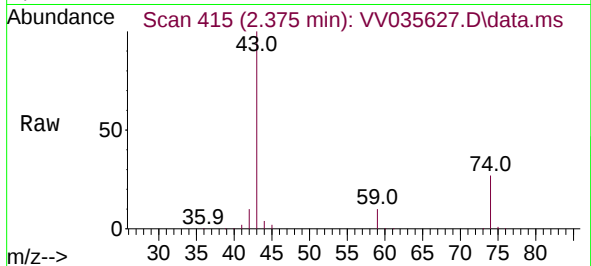




#15
Methyl Acetate
Concen: 52.080 ug/L
RT: 2.375 min Scan# 413
Delta R.T. 0.006 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

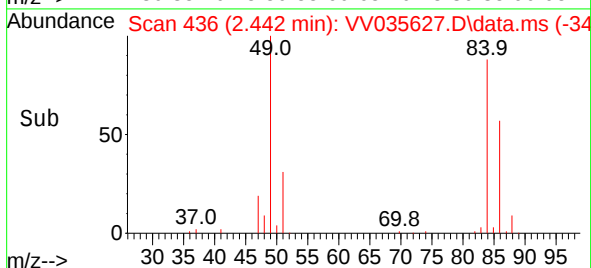
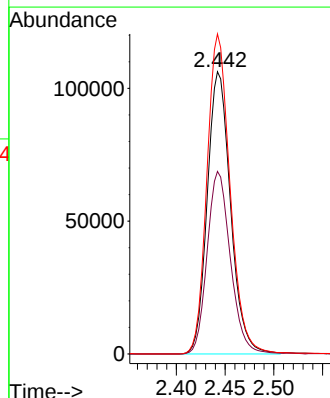
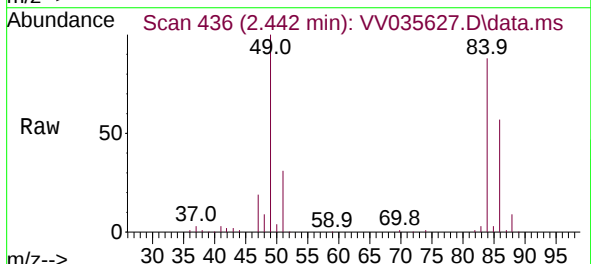
Instrument :
MSVOA_V
ClientSampleId :

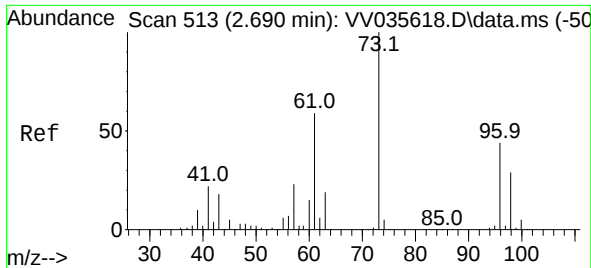
Tgt Ion: 43 Resp: 186720
Ion Ratio Lower Upper
43 100
74 27.4 21.6 32.4



#16
Methylene chloride
Concen: 52.170 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 84 Resp: 176553
Ion Ratio Lower Upper
84 100
86 64.7 45.3 84.1
49 113.4 76.9 142.7





#17

trans-1,2-Dichloroethene

Concen: 50.205 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

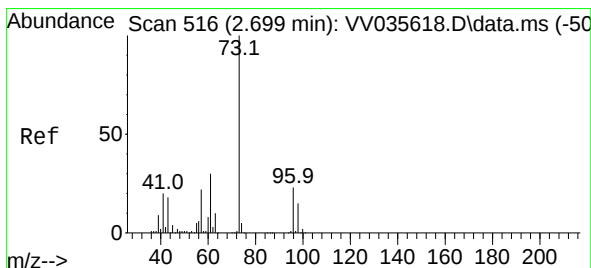
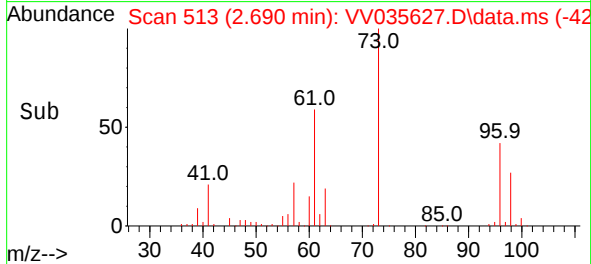
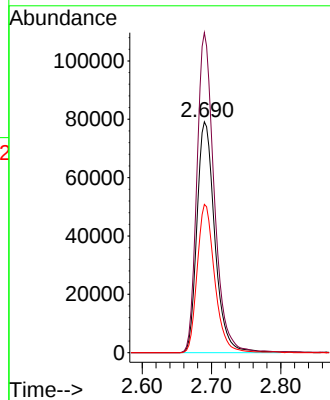
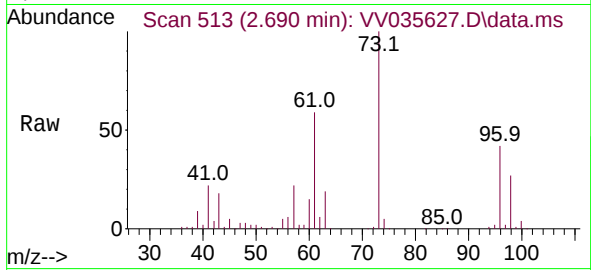
Tgt Ion: 96 Resp: 141731

Ion Ratio Lower Upper

96 100

61 138.6 95.5 177.3

98 64.2 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 53.528 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

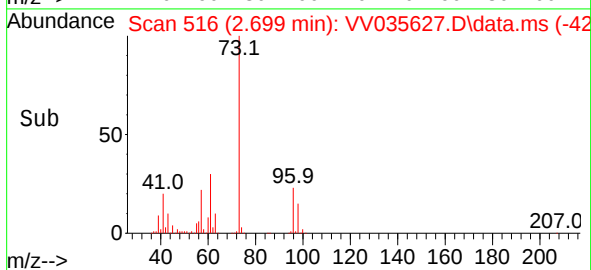
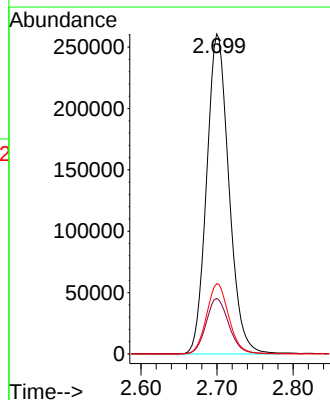
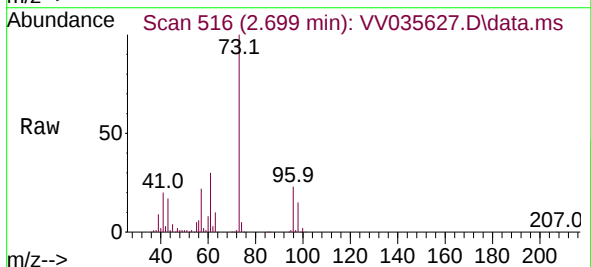
Tgt Ion: 73 Resp: 531436

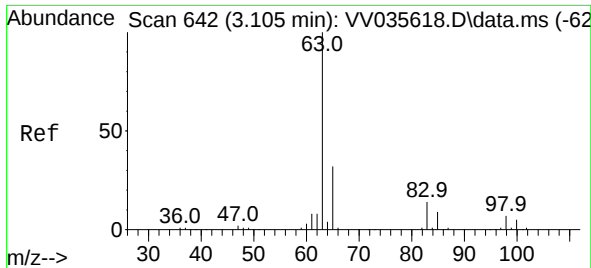
Ion Ratio Lower Upper

73 100

43 17.5 13.6 20.4

57 22.0 17.4 26.0

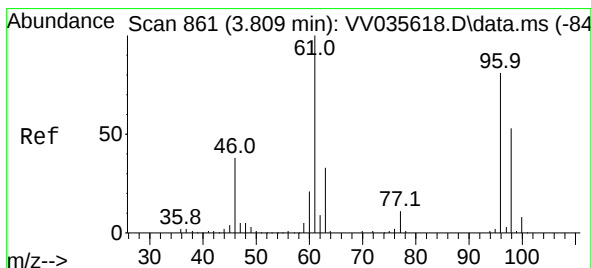
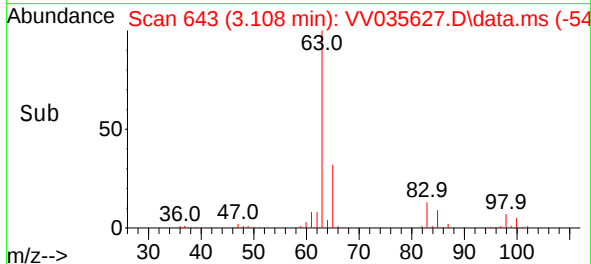
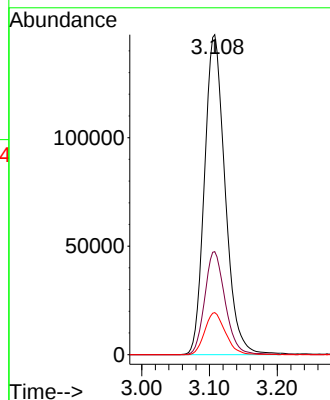
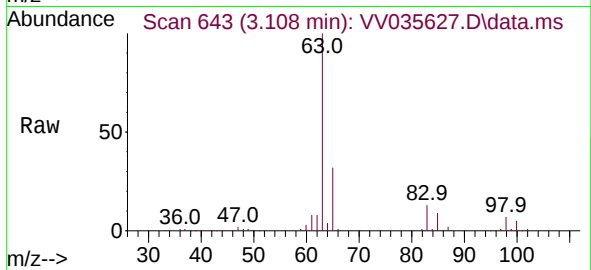




#19
1,1-Dichloroethane
Concen: 52.557 ug/L
RT: 3.108 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

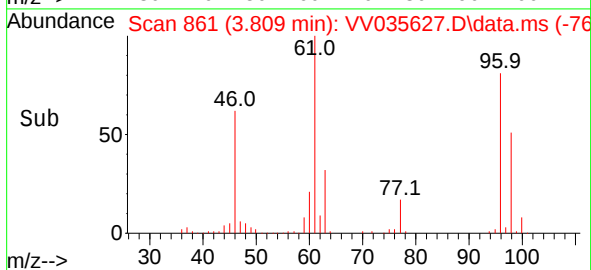
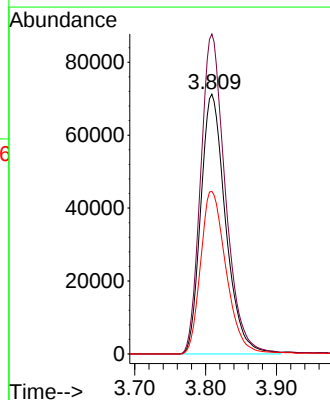
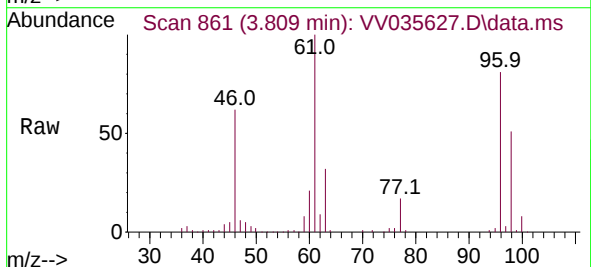
Instrument :
MSVOA_V
ClientSampleId :

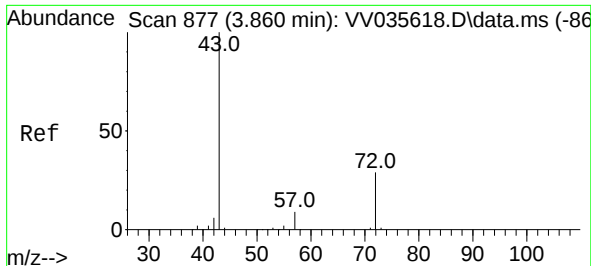
Tgt Ion: 63 Resp: 311551
Ion Ratio Lower Upper
63 100
65 32.2 21.8 40.4
83 13.2 9.2 17.2



#20
cis-1,2-Dichloroethene
Concen: 51.610 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 96 Resp: 173286
Ion Ratio Lower Upper
96 100
61 123.1 84.0 156.0
98 62.5 44.9 83.5

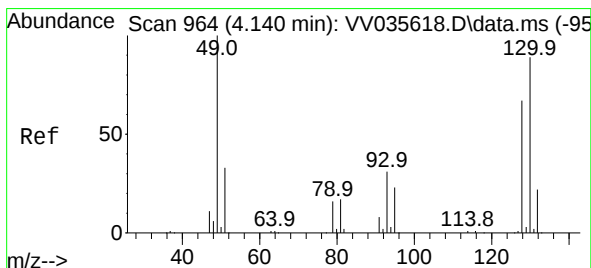
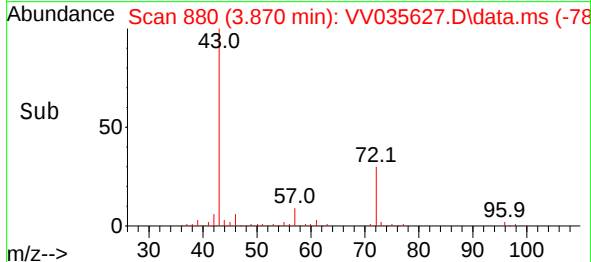
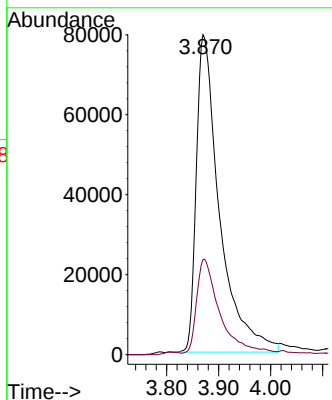
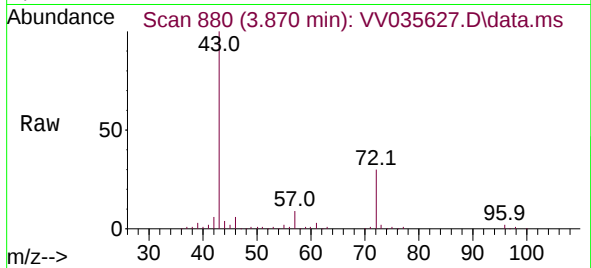




#22
2-Butanone
Concen: 94.165 ug/L
RT: 3.870 min Scan# 877
Delta R.T. 0.010 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

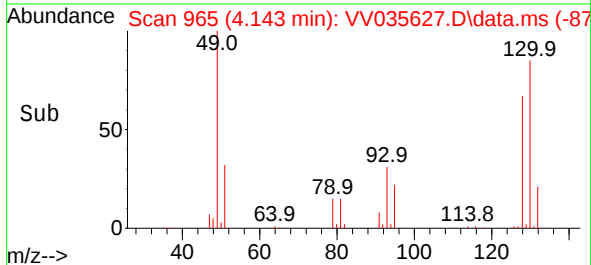
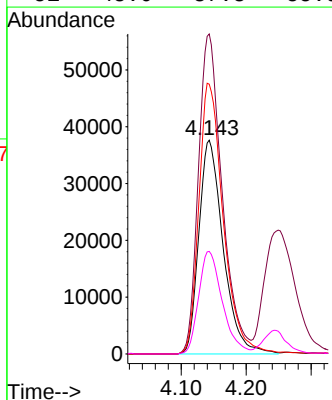
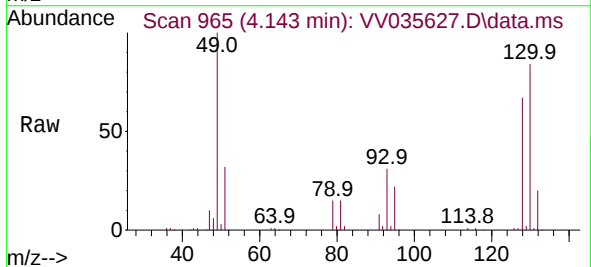
Instrument :
MSVOA_V
ClientSampleId :

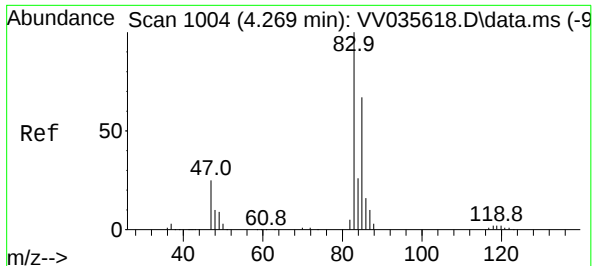
Tgt Ion: 43 Resp: 246376
Ion Ratio Lower Upper
43 100
72 28.6 14.4 43.0



#23
Bromochloromethane
Concen: 53.381 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 128 Resp: 98023
Ion Ratio Lower Upper
128 100
49 149.7 102.0 189.4
130 126.3 91.5 169.9
51 48.0 37.3 55.9





#25

Chloroform

Concen: 53.886 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

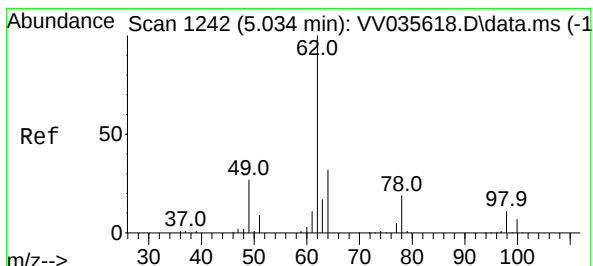
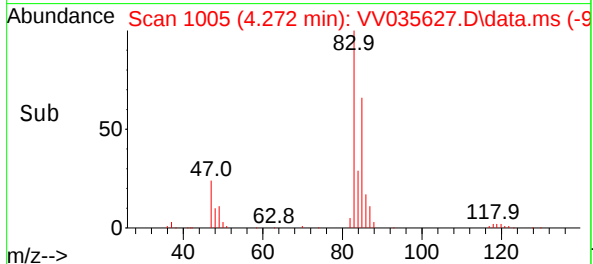
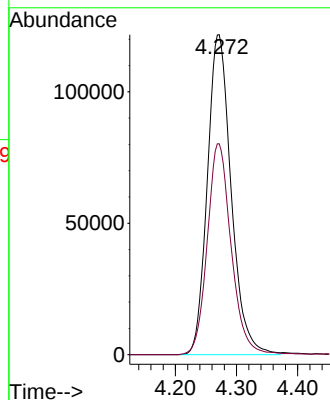
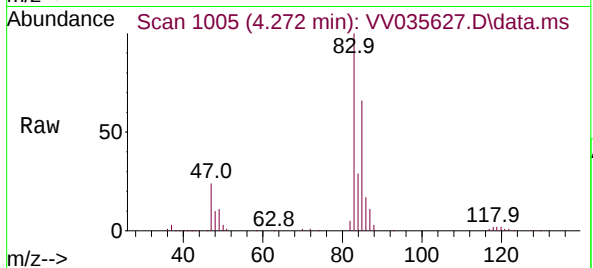
ClientSampleId :

Tgt Ion: 83 Resp: 329705

Ion Ratio Lower Upper

83 100

85 65.9 45.8 85.2



#27

1,2-Dichloroethane

Concen: 55.509 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV035627.D

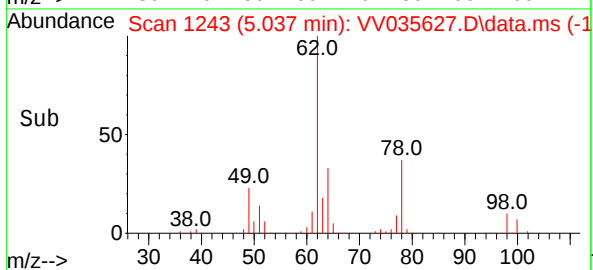
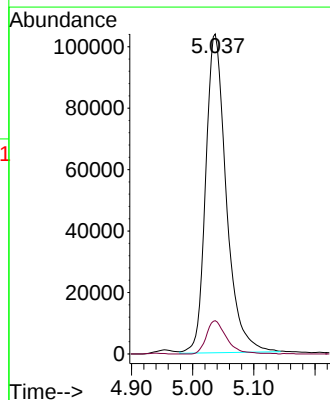
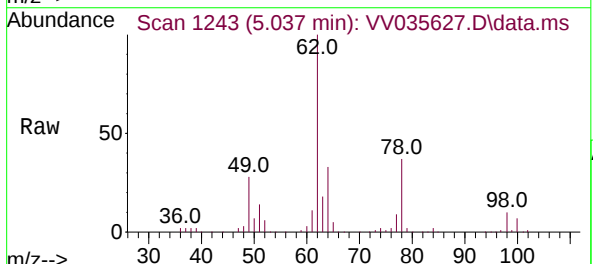
Acq: 16 May 2024 15:18

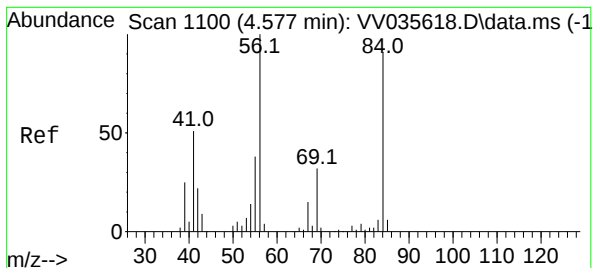
Tgt Ion: 62 Resp: 243064

Ion Ratio Lower Upper

62 100

98 10.4 8.2 12.2





#29

Cyclohexane

Concen: 48.446 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

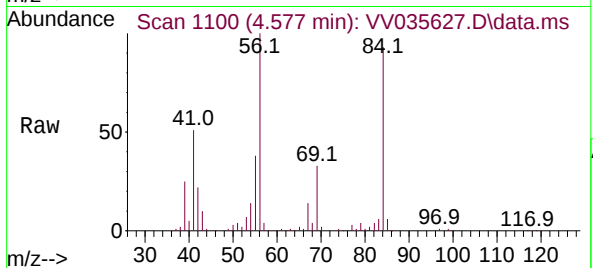
Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :



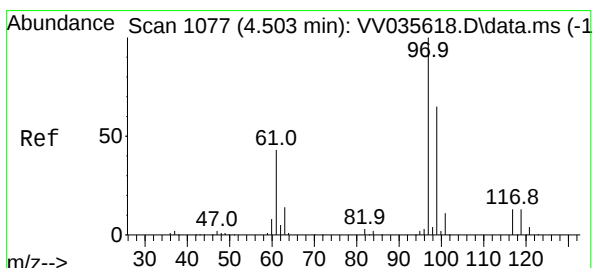
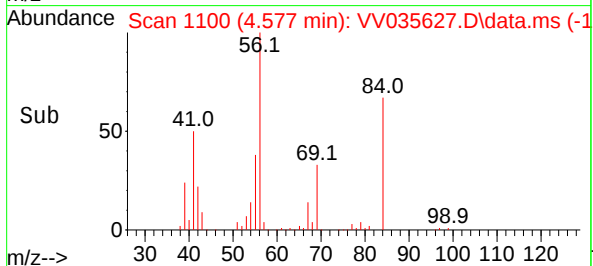
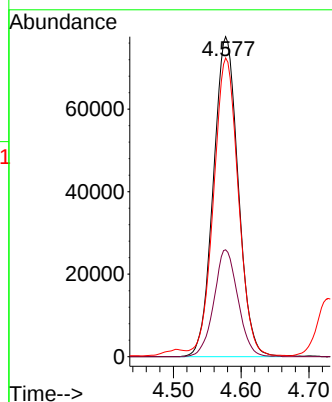
Tgt Ion: 56 Resp: 197013

Ion Ratio Lower Upper

56 100

69 32.4 25.5 38.3

84 92.4 73.6 110.4



#30

1,1,1-Trichloroethane

Concen: 51.394 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

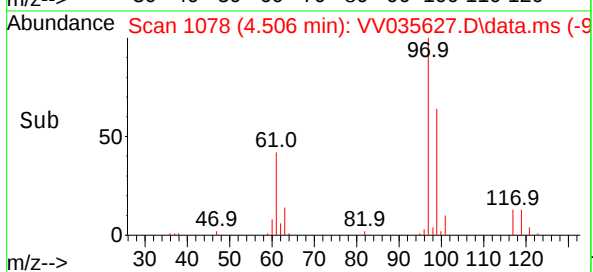
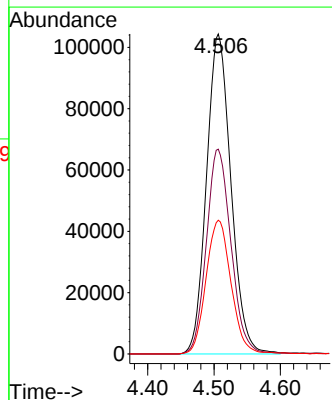
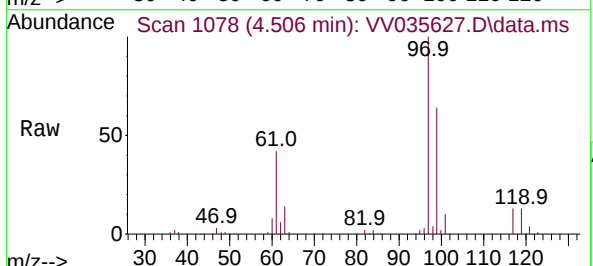
Tgt Ion: 97 Resp: 267899

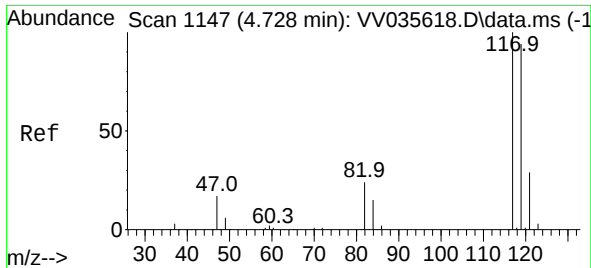
Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

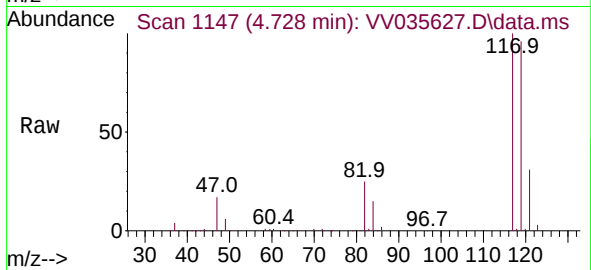
61 42.4 34.1 51.1



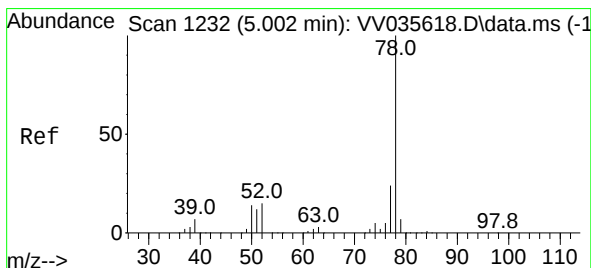
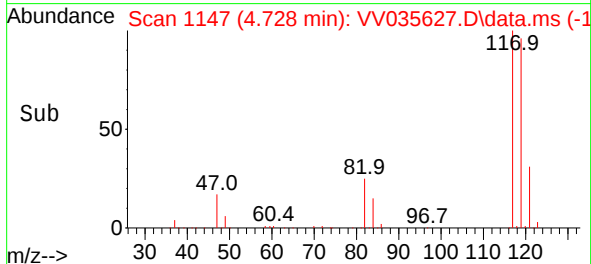
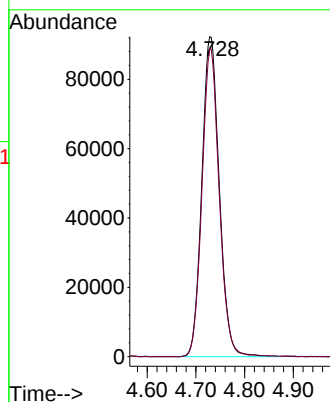


#31
Carbon tetrachloride
Concen: 51.053 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Instrument :
MSVOA_V
ClientSampleId :

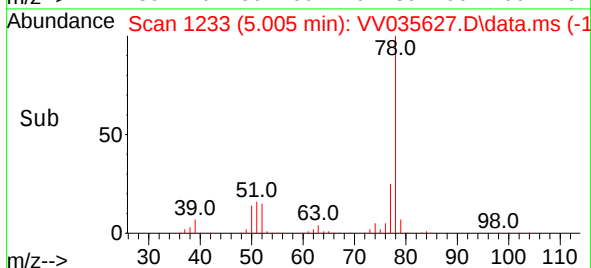
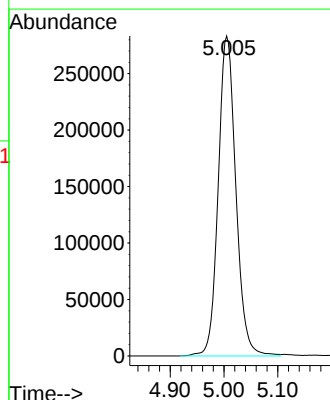
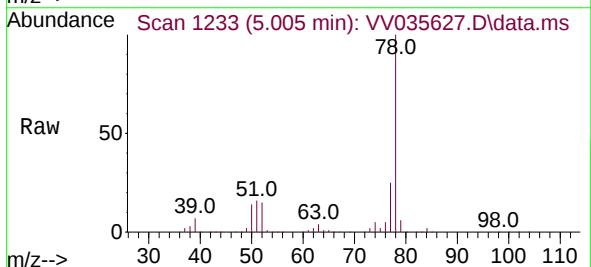


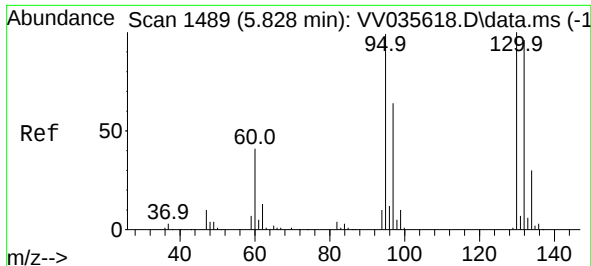
Tgt Ion:117 Resp: 230099
Ion Ratio Lower Upper
117 100
119 94.4 76.5 114.7



#33
Benzene
Concen: 52.516 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 78 Resp: 645919





#34

Trichloroethene

Concen: 56.961 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 186439

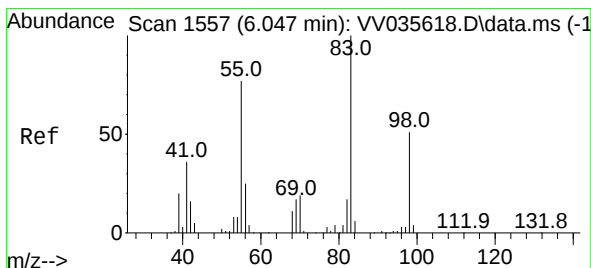
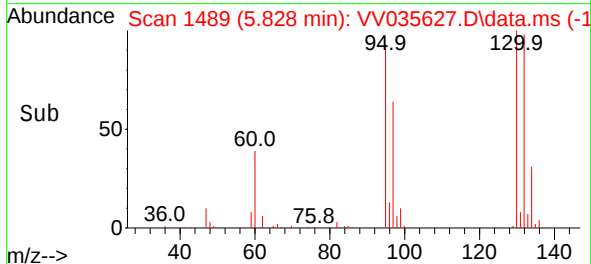
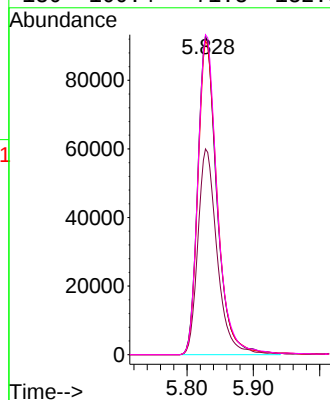
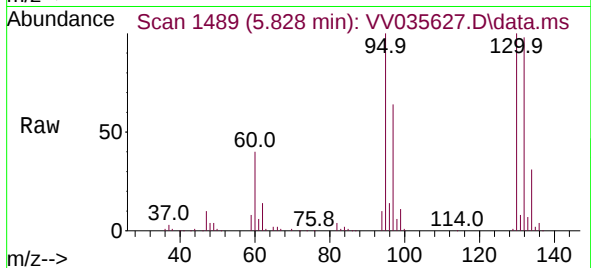
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.9

132 98.6 69.4 128.8

130 100.4 71.3 132.3



#35

Methylcyclohexane

Concen: 50.295 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

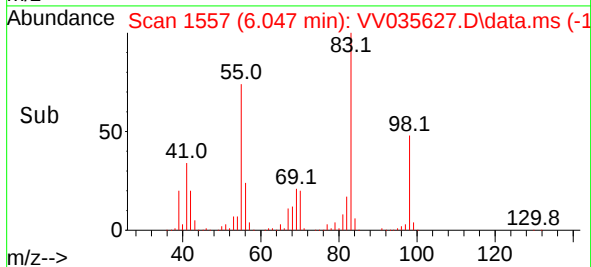
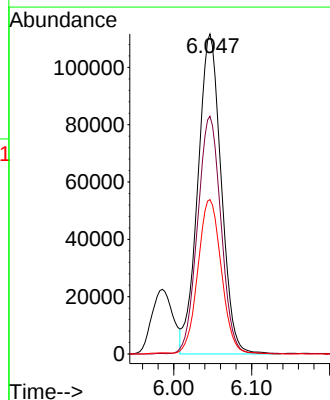
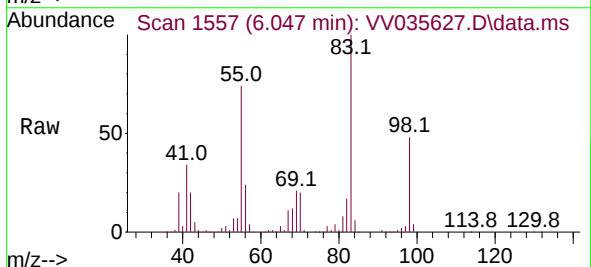
Tgt Ion: 83 Resp: 232230

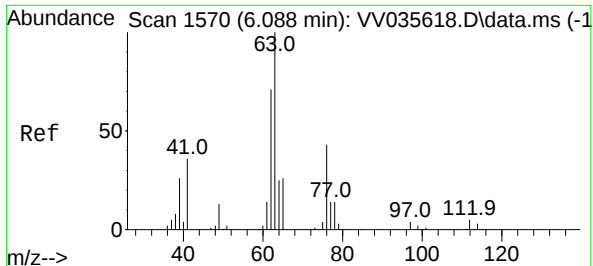
Ion Ratio Lower Upper

83 100

55 74.2 57.5 86.3

98 48.6 38.9 58.3

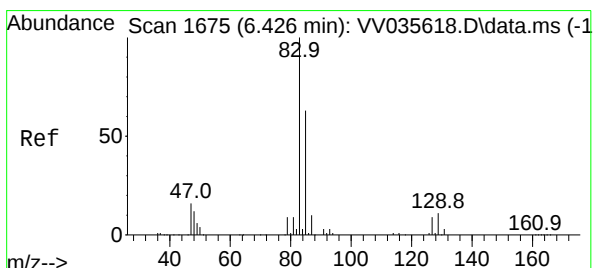
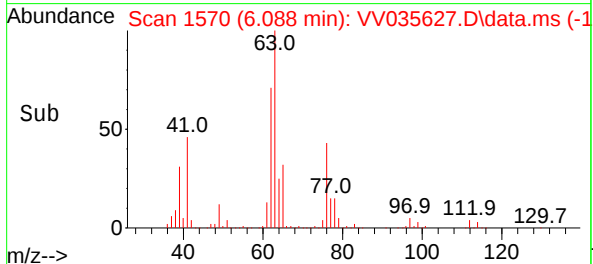
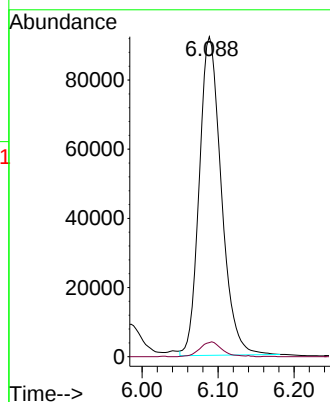
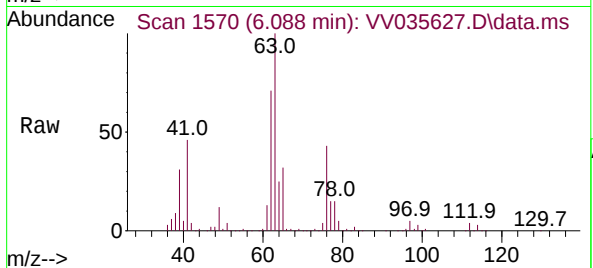




#37
1,2-Dichloropropane
Concen: 55.010 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

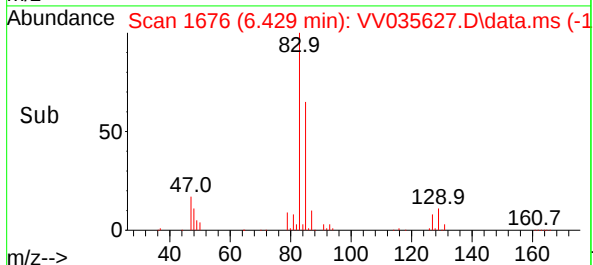
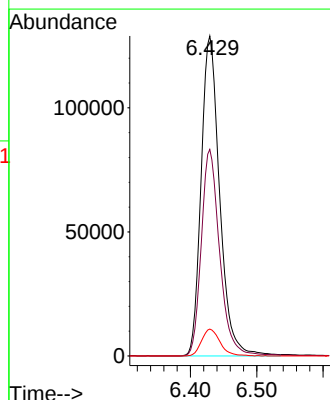
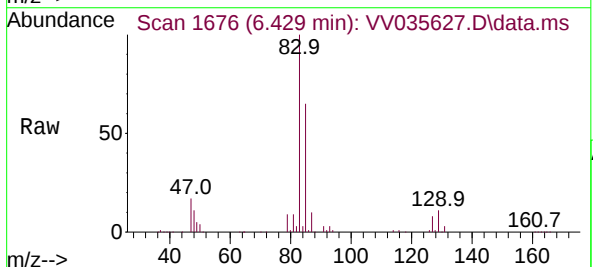
Instrument :
MSVOA_V
ClientSampleId :

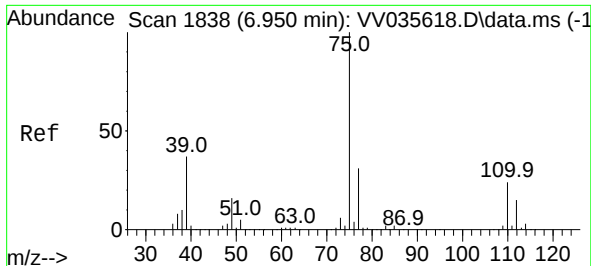
Tgt Ion: 63 Resp: 185898
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.2



#38
Bromodichloromethane
Concen: 53.922 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 83 Resp: 250695
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9
127 8.4 6.9 10.3

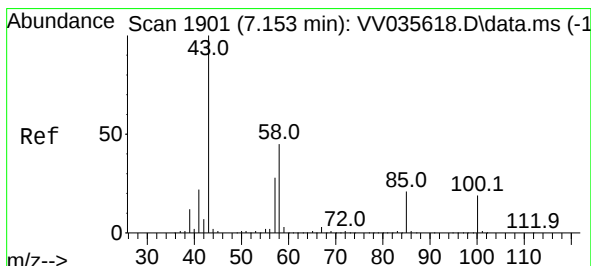
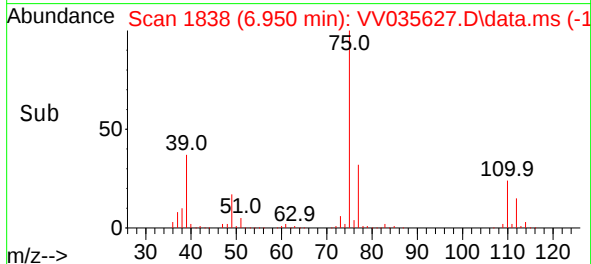
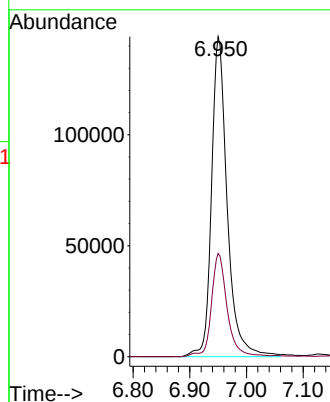
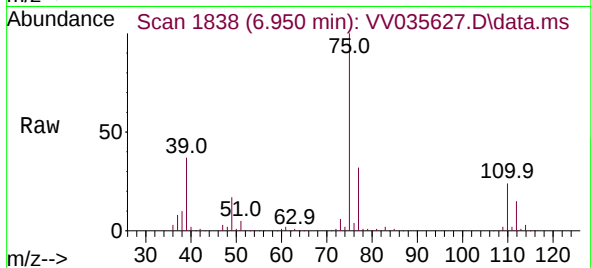




#39
cis-1,3-Dichloropropene
Concen: 52.274 ug/L
RT: 6.950 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

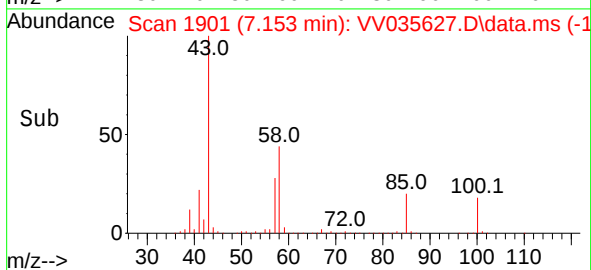
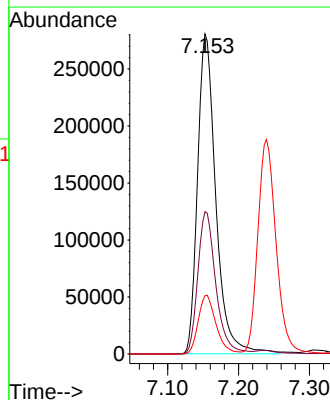
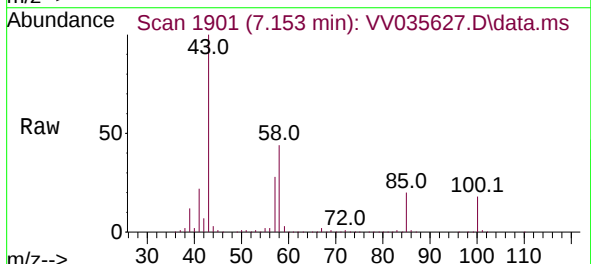
Instrument :
MSVOA_V
ClientSampleId :

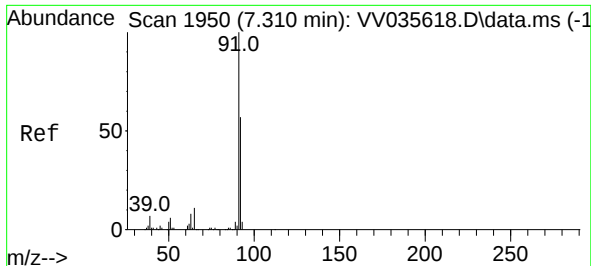
Tgt Ion: 75 Resp: 277306
Ion Ratio Lower Upper
75 100
77 32.2 22.3 41.3



#40
4-Methyl-2-pentanone
Concen: 111.235 ug/L
RT: 7.153 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 43 Resp: 501771
Ion Ratio Lower Upper
43 100
58 43.9 36.1 54.1
100 17.9 15.0 22.4





#42

Toluene

Concen: 53.082 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

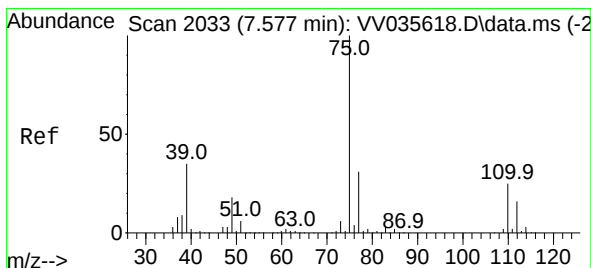
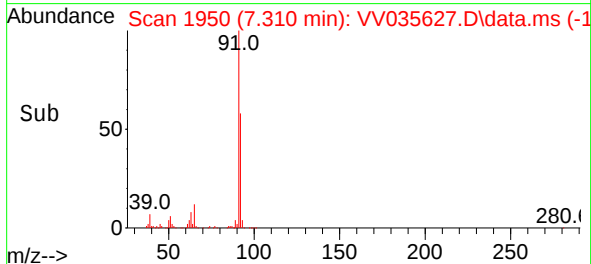
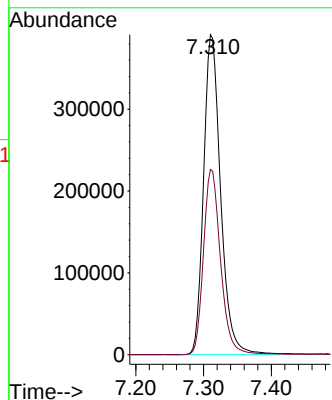
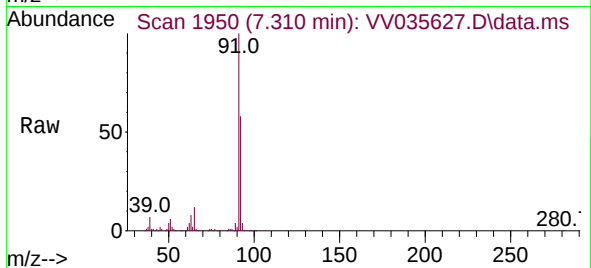
ClientSampleId :

Tgt Ion: 91 Resp: 684940

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 53.933 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV035627.D

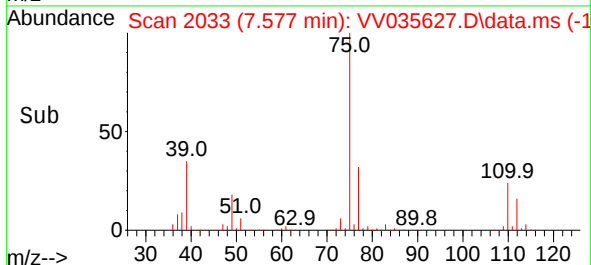
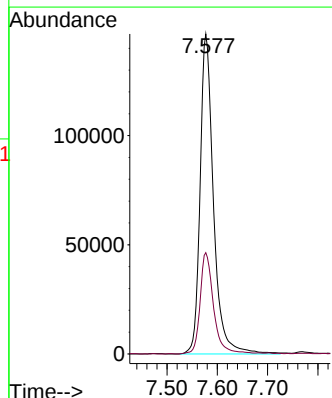
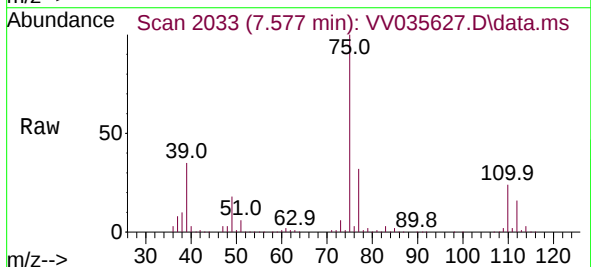
Acq: 16 May 2024 15:18

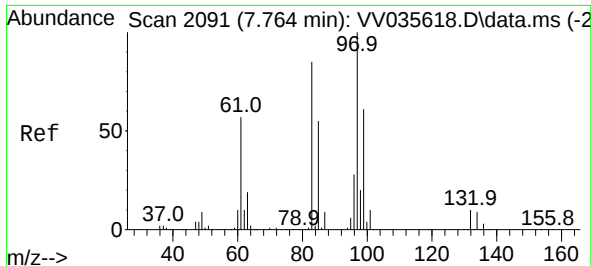
Tgt Ion: 75 Resp: 271760

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 54.719 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 197764

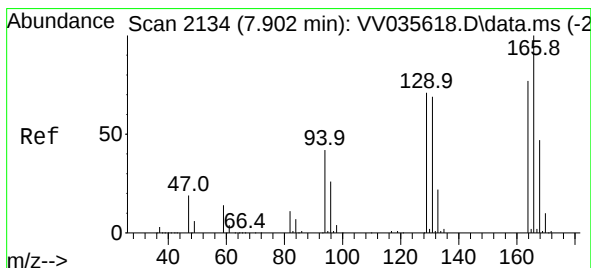
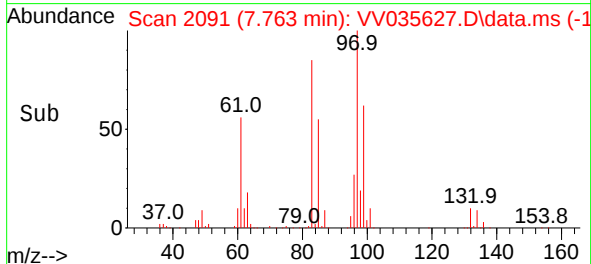
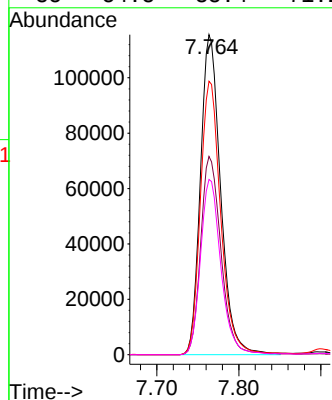
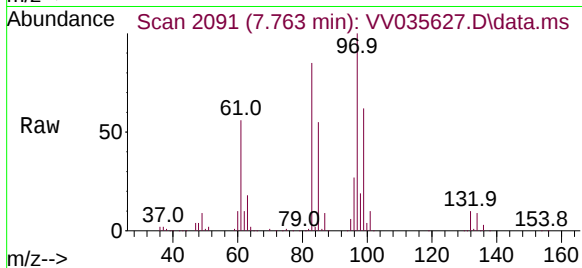
Ion Ratio Lower Upper

97 100

99 62.0 44.2 82.2

83 85.5 59.3 110.1

85 54.8 38.4 71.2



#46

Tetrachloroethene

Concen: 49.657 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Tgt Ion: 164 Resp: 131276

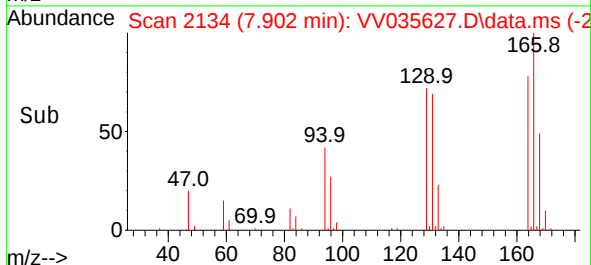
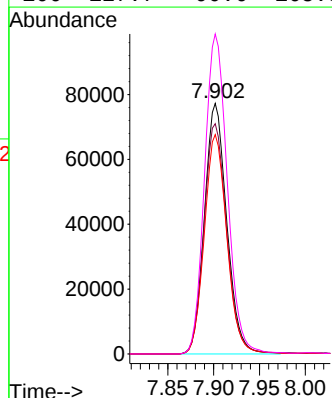
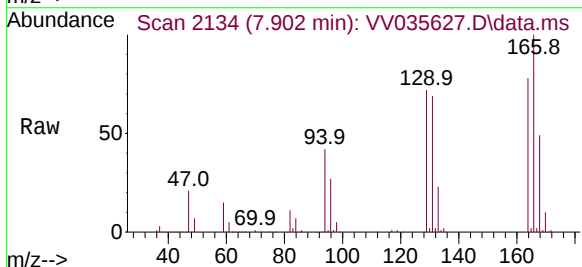
Ion Ratio Lower Upper

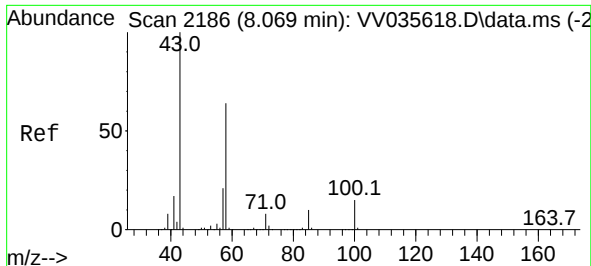
164 100

129 91.9 64.7 120.1

131 87.5 61.5 114.1

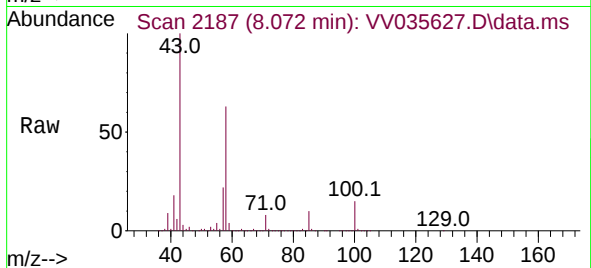
166 127.7 90.6 168.3



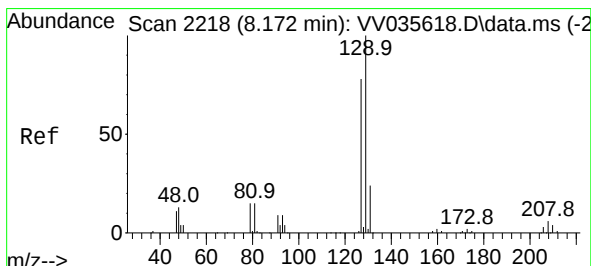
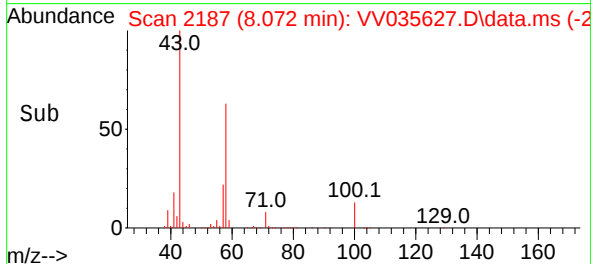
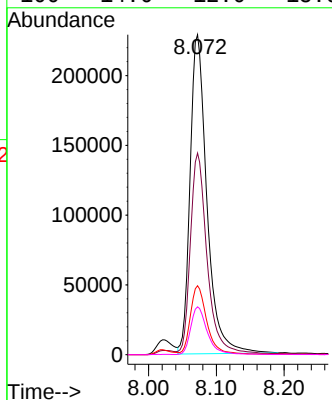


#48
2-Hexanone
Concen: 107.754 ug/L
RT: 8.072 min Scan# 2186
Delta R.T. 0.003 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Instrument :
MSVOA_V
ClientSampleId :

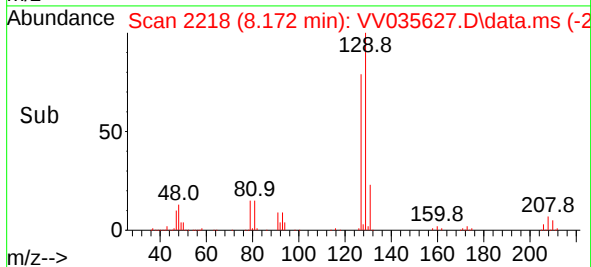
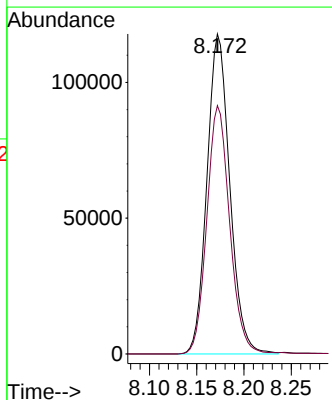
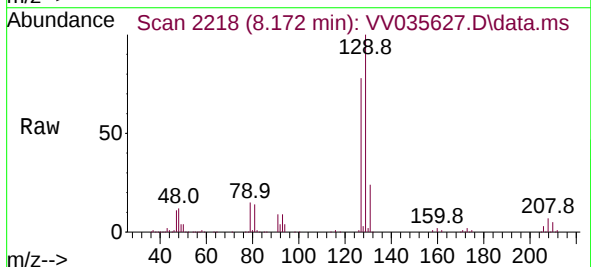


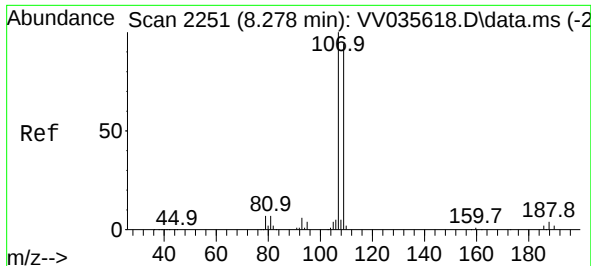
Tgt Ion: 43 Resp: 395487
Ion Ratio Lower Upper
43 100
58 62.1 50.8 76.2
57 21.3 17.6 26.4
100 14.6 12.0 18.0



#49
Dibromochloromethane
Concen: 52.398 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 129 Resp: 198230
Ion Ratio Lower Upper
129 100
127 77.6 54.3 100.8





#50

1,2-Dibromoethane

Concen: 52.563 ug/L

RT: 8.278 min Scan# 2417

Delta R.T. -0.000 min

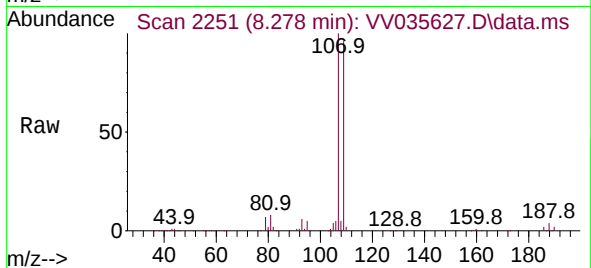
Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :



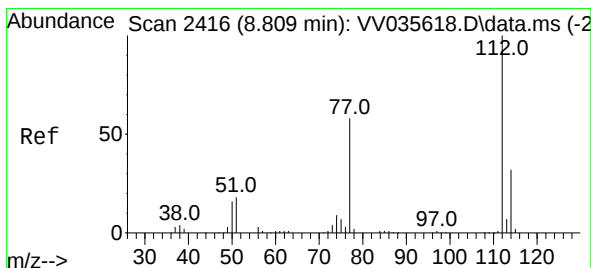
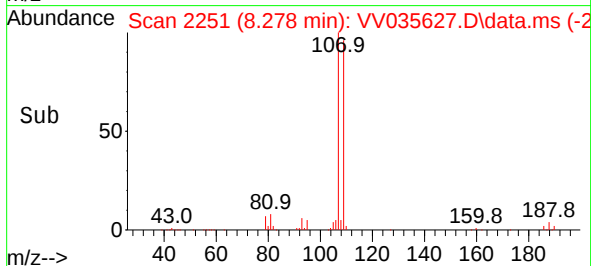
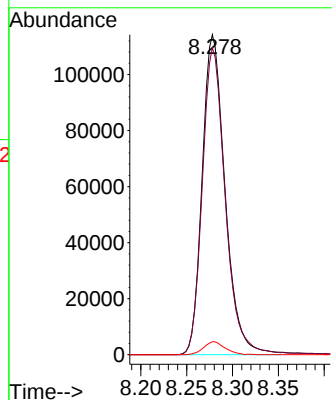
Tgt Ion:107 Resp: 198474

Ion Ratio Lower Upper

107 100

109 95.9 65.7 122.1

188 4.0 3.1 4.7



#51

Chlorobenzene

Concen: 51.132 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

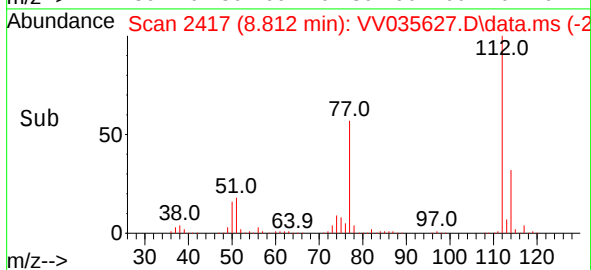
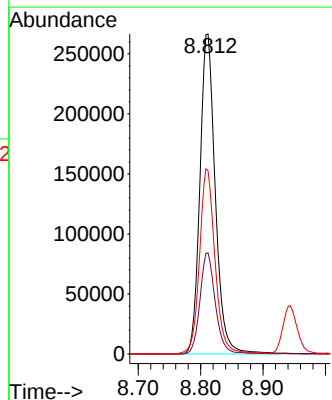
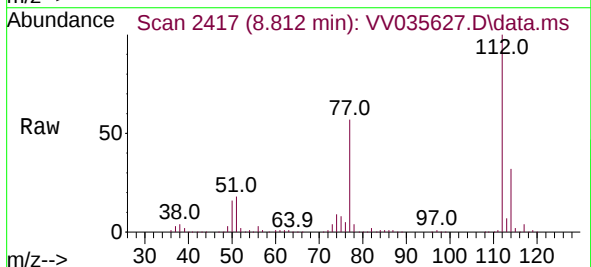
Tgt Ion:112 Resp: 458016

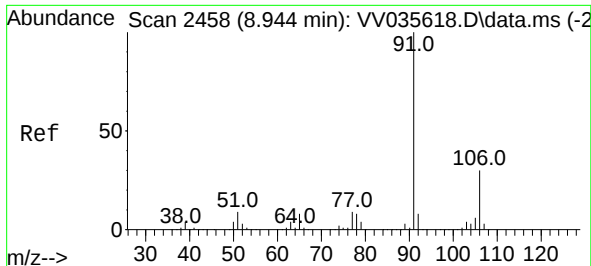
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 57.2 45.9 68.9





#52

Ethylbenzene

Concen: 52.442 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

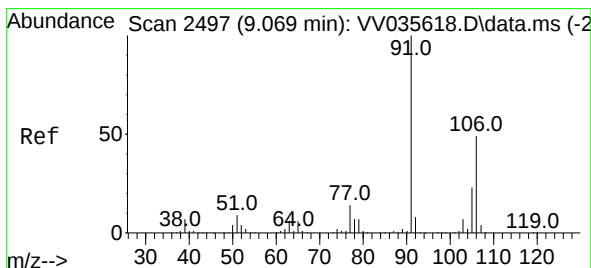
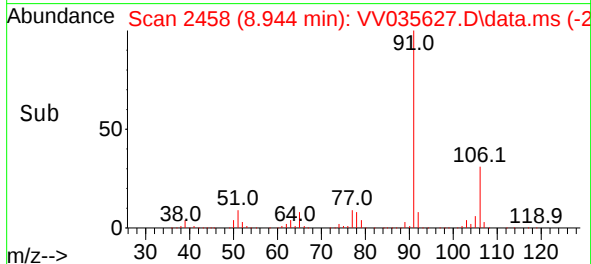
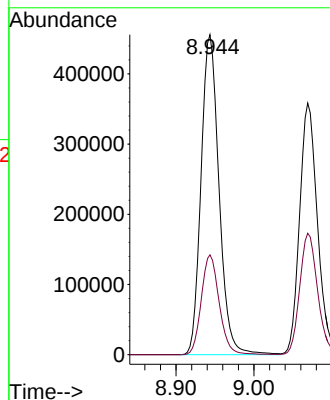
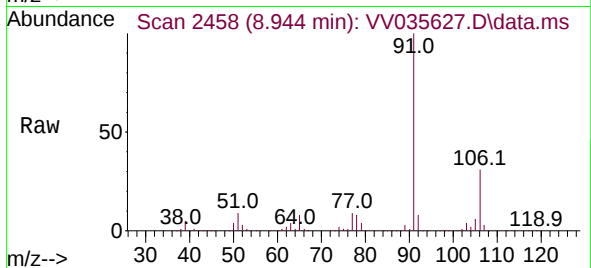
ClientSampleId :

Tgt Ion: 91 Resp: 731042

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#53

m,p-Xylene

Concen: 53.434 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV035627.D

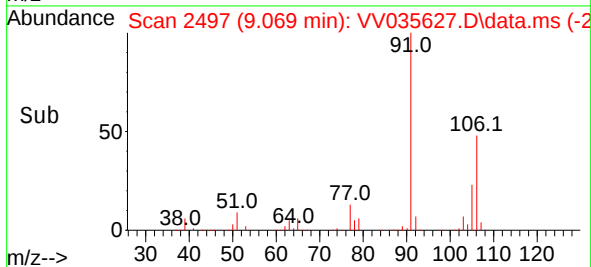
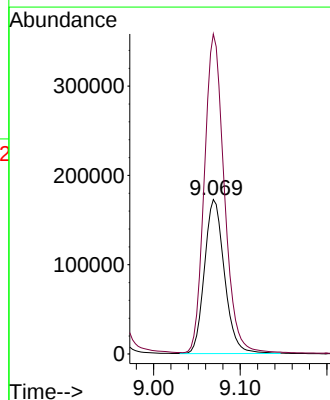
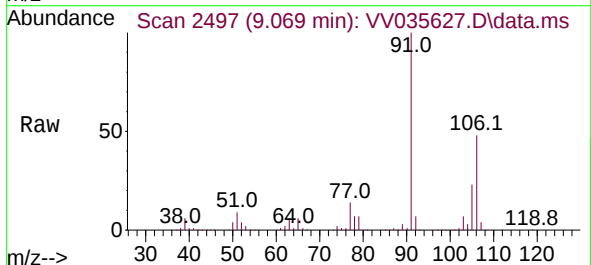
Acq: 16 May 2024 15:18

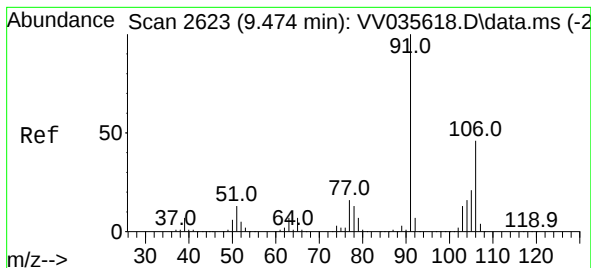
Tgt Ion: 106 Resp: 276329

Ion Ratio Lower Upper

106 100

91 207.3 144.8 268.8





#54

o-Xylene

Concen: 52.411 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

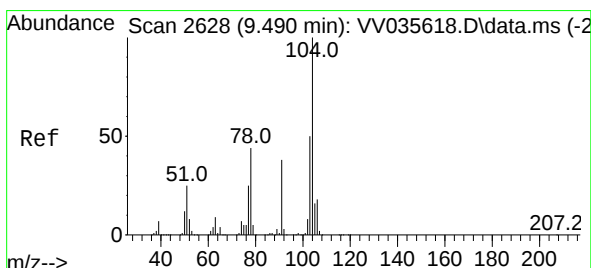
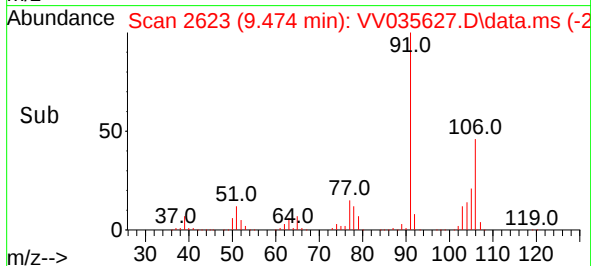
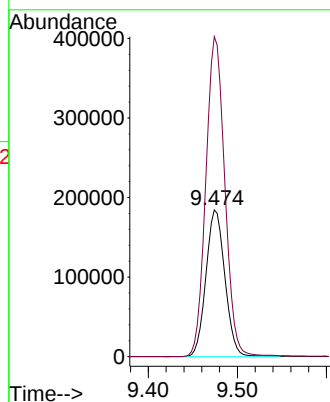
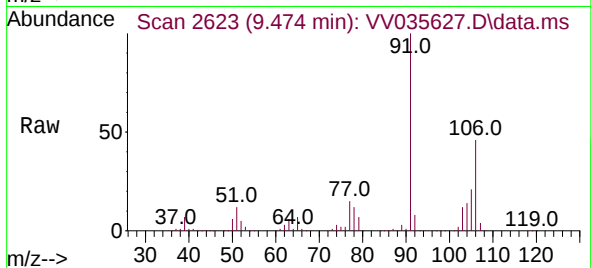
ClientSampleId :

Tgt Ion:106 Resp: 273117

Ion Ratio Lower Upper

106 100

91 218.0 149.9 278.3



#55

Styrene

Concen: 56.077 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.003 min

Lab File: VV035627.D

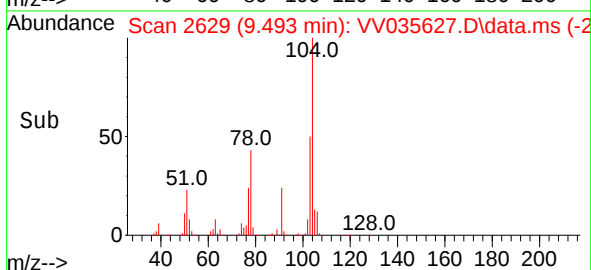
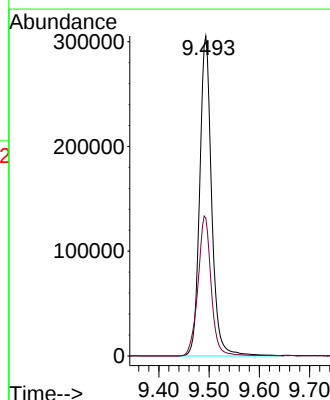
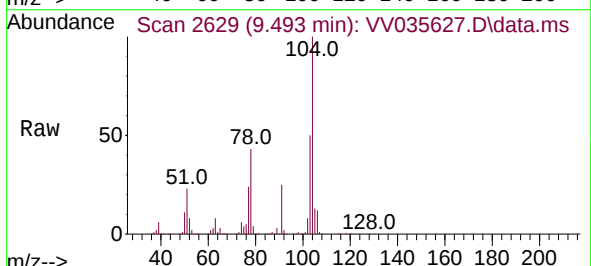
Acq: 16 May 2024 15:18

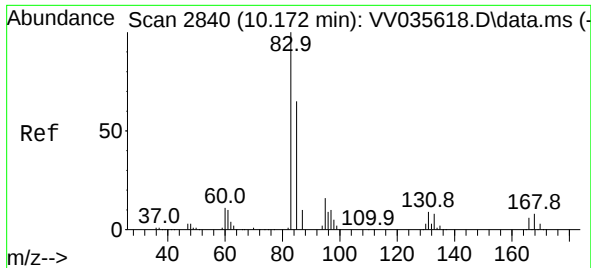
Tgt Ion:104 Resp: 505044

Ion Ratio Lower Upper

104 100

78 43.1 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 45.251 ug/L

RT: 10.175 min Scan# 2840

Delta R.T. 0.003 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

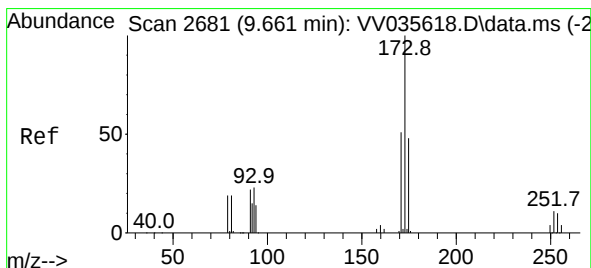
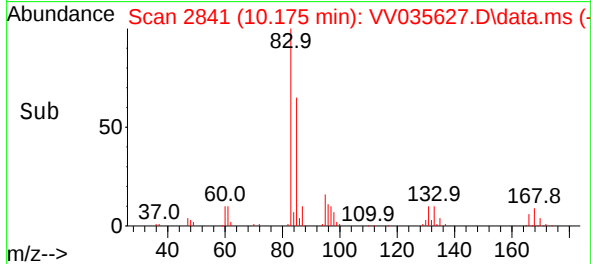
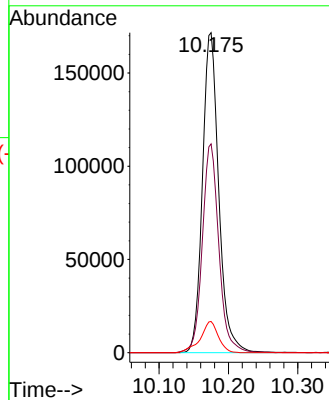
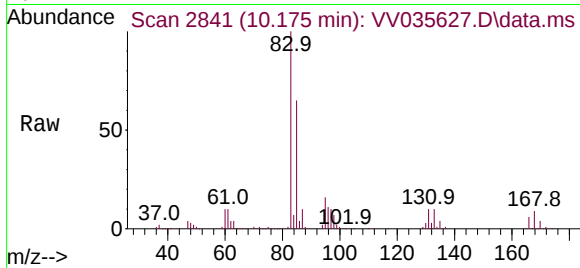
Tgt Ion: 83 Resp: 279823

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.5

131 9.7 8.1 12.1



#59

Bromoform

Concen: 48.978 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

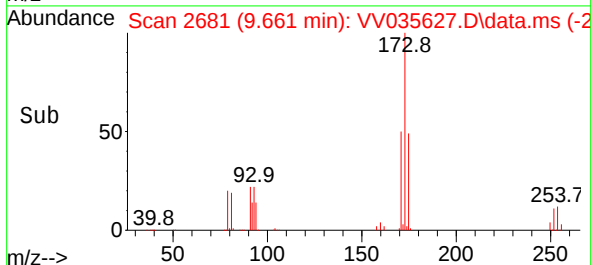
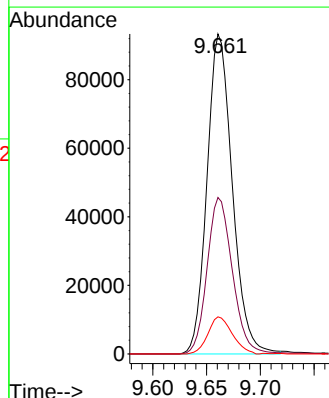
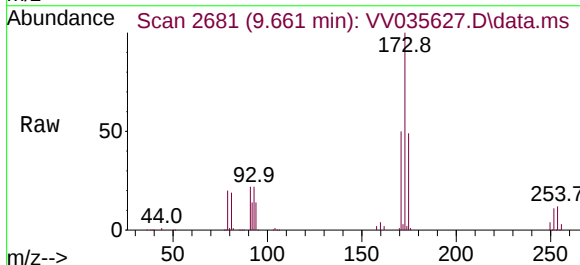
Tgt Ion: 173 Resp: 152933

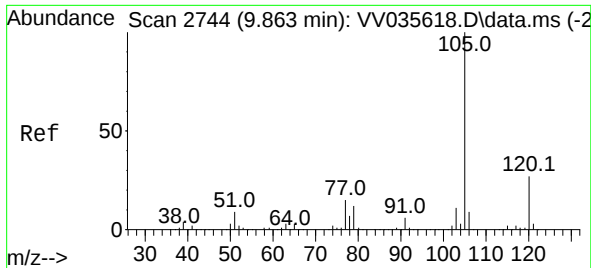
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 11.2 8.5 12.7

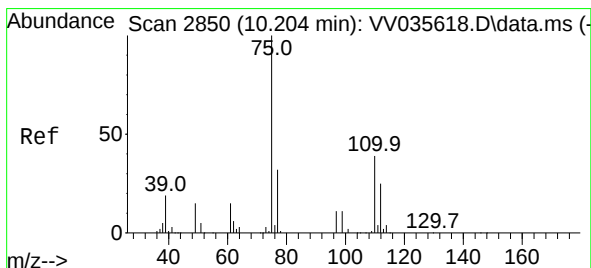
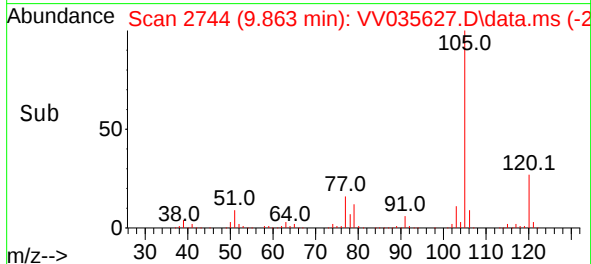
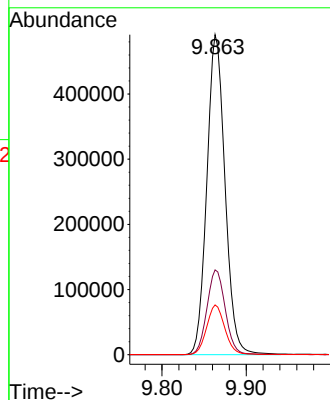
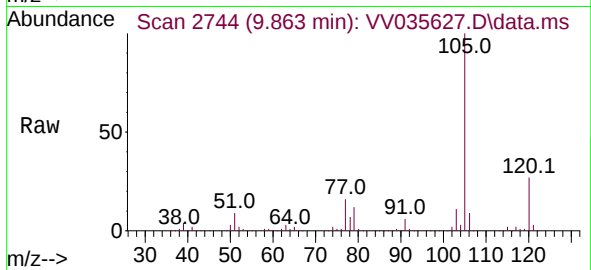




#60
Isopropylbenzene
Concen: 52.966 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

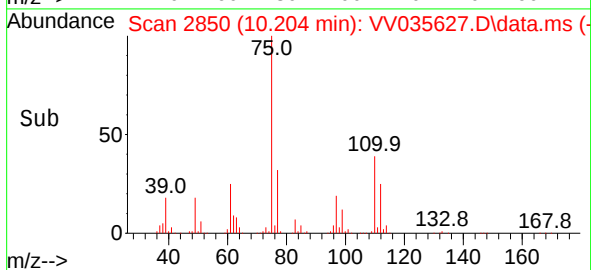
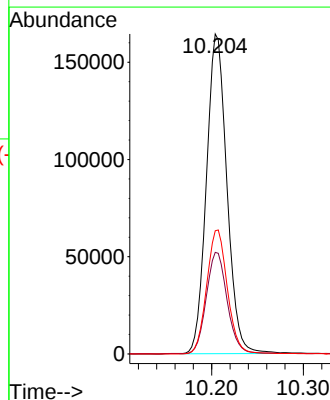
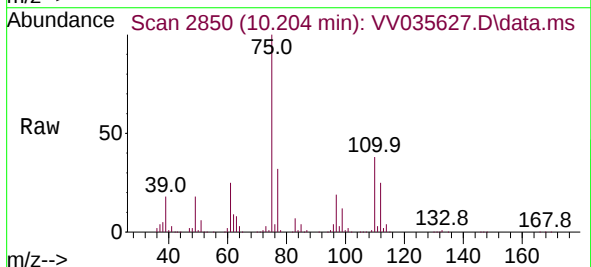
Instrument :
MSVOA_V
ClientSampleId :

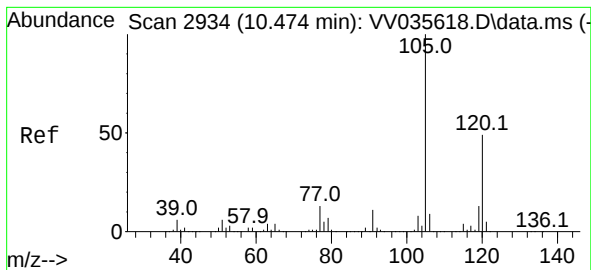
Tgt Ion:105 Resp: 738373
Ion Ratio Lower Upper
105 100
120 26.8 21.5 32.3
77 15.5 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 52.747 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. -0.000 min
Lab File: VV035627.D
Acq: 16 May 2024 15:18

Tgt Ion: 75 Resp: 255457
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6
110 39.3 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 52.965 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

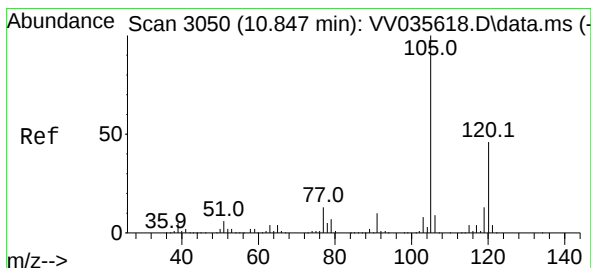
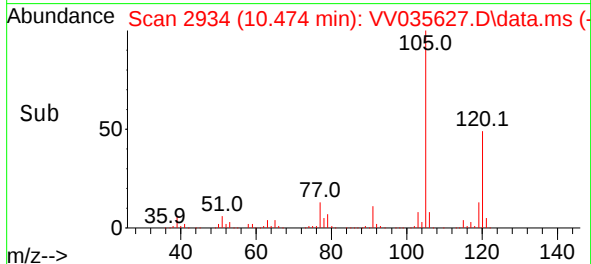
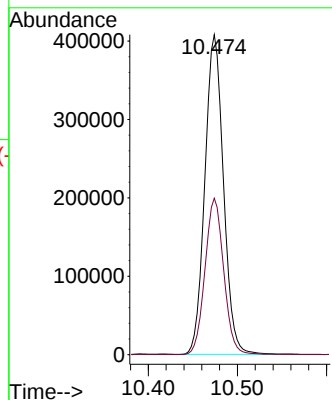
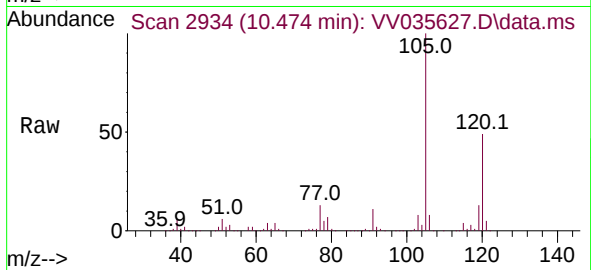
ClientSampleId :

Tgt Ion:105 Resp: 590938

Ion Ratio Lower Upper

105 100

120 49.1 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 53.503 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VV035627.D

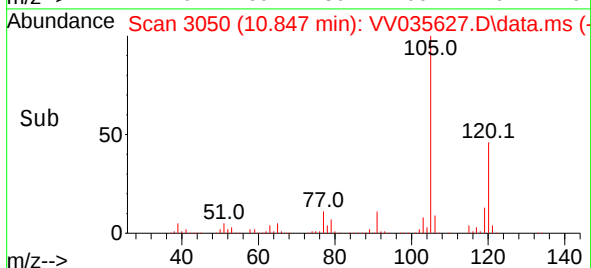
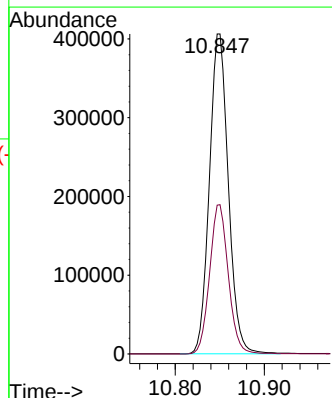
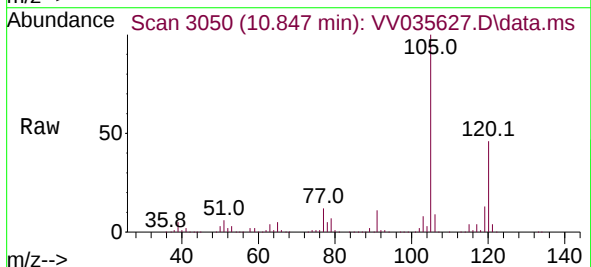
Acq: 16 May 2024 15:18

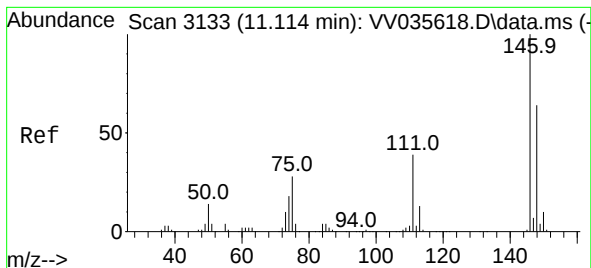
Tgt Ion:105 Resp: 598574

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 51.920 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

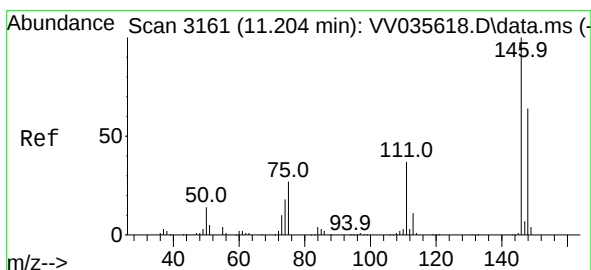
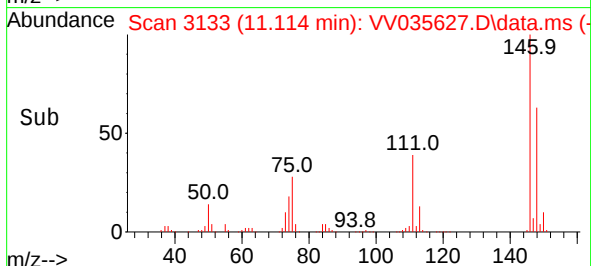
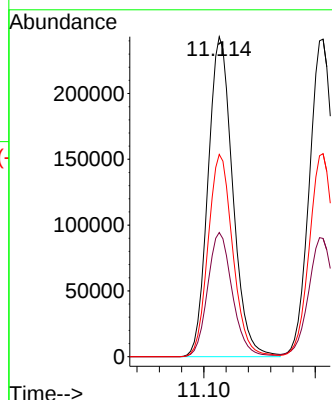
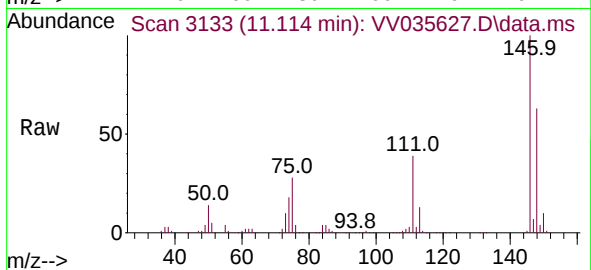
Tgt Ion:146 Resp: 374794

Ion Ratio Lower Upper

146 100

111 38.8 27.9 51.7

148 63.2 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 50.354 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

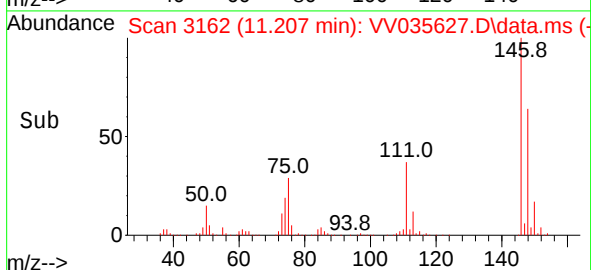
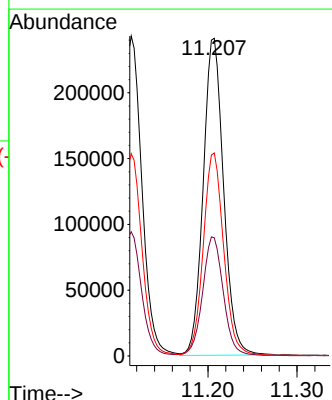
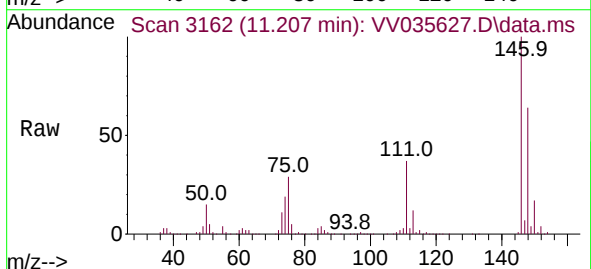
Tgt Ion:146 Resp: 383554

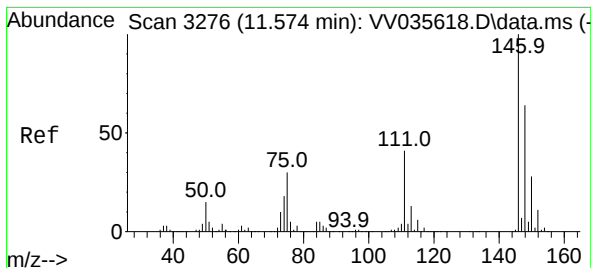
Ion Ratio Lower Upper

146 100

111 37.2 26.4 49.0

148 63.9 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 51.661 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

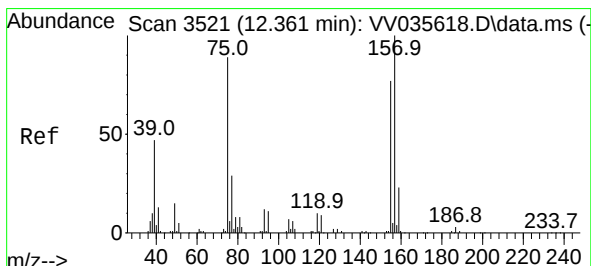
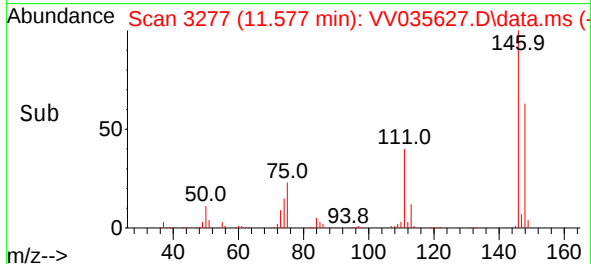
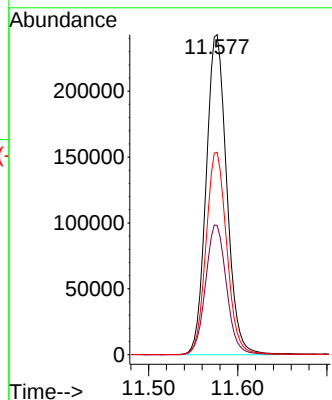
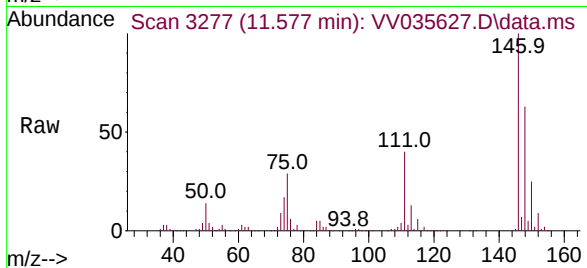
Tgt Ion:146 Resp: 390170

Ion Ratio Lower Upper

146 100

111 40.4 32.1 48.1

148 63.3 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 48.689 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

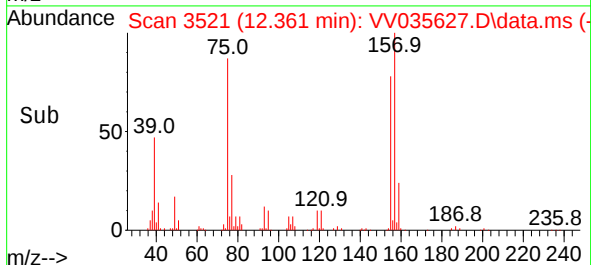
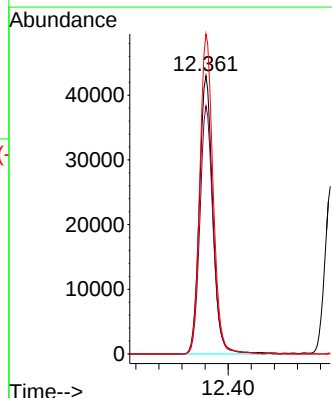
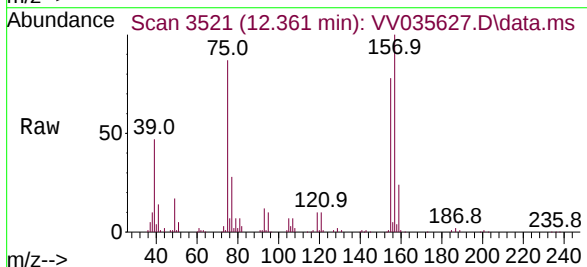
Tgt Ion: 75 Resp: 69446

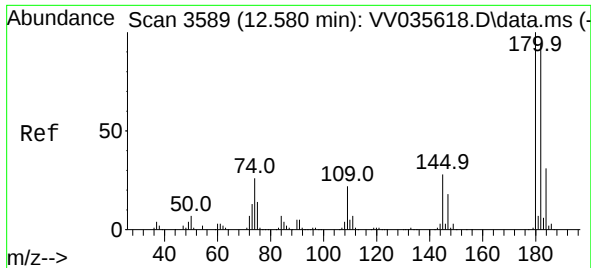
Ion Ratio Lower Upper

75 100

155 89.1 71.4 107.2

157 115.0 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 50.116 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

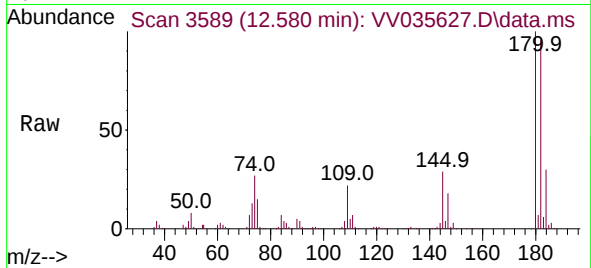
Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 274601

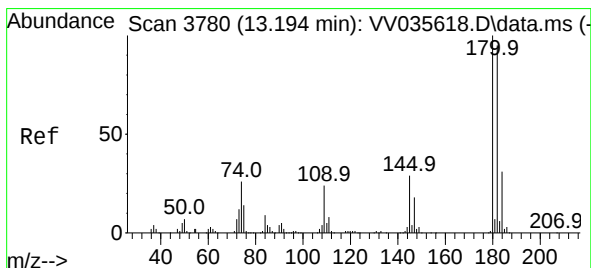
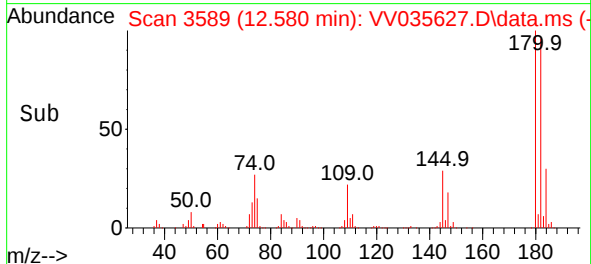
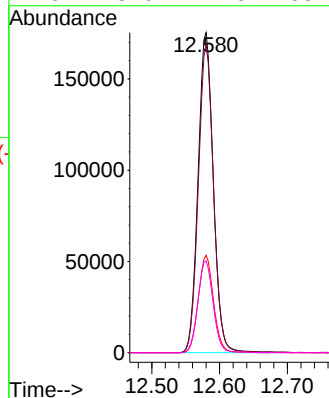
Ion Ratio Lower Upper

180 100

182 95.7 75.7 113.5

184 30.3 24.1 36.1

145 28.6 22.5 33.7



#70

1,2,4-trichlorobenzene

Concen: 48.537 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

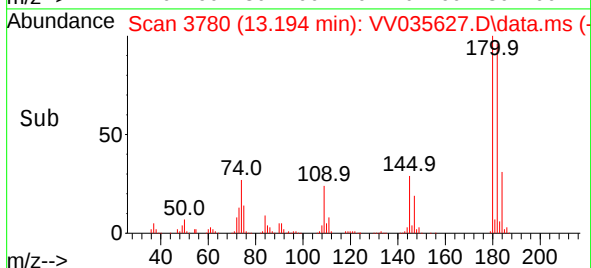
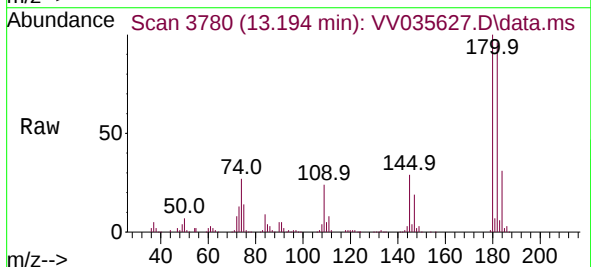
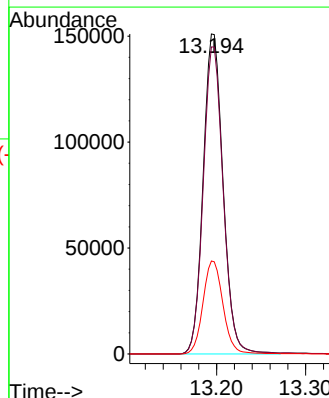
Tgt Ion:180 Resp: 234283

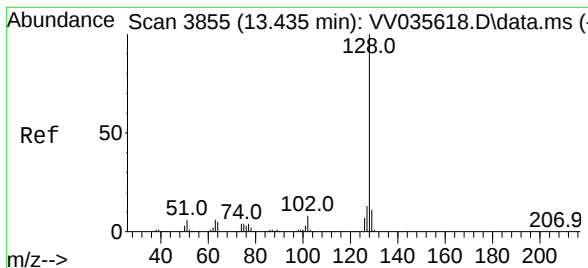
Ion Ratio Lower Upper

180 100

182 96.2 75.7 113.5

145 29.2 23.0 34.4





#71

Naphthalene

Concen: 44.365 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

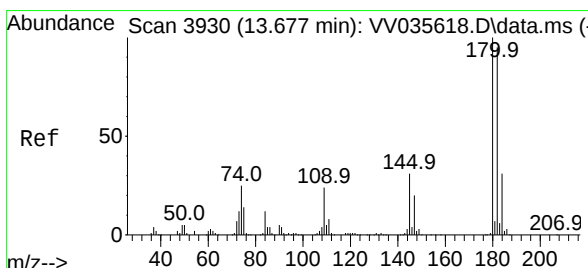
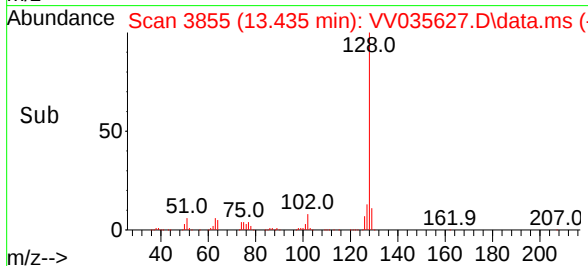
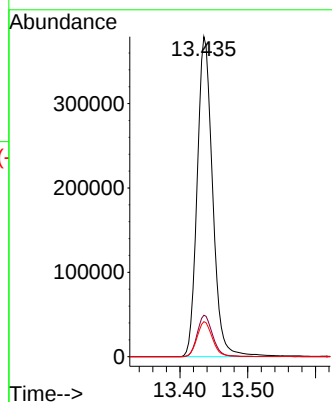
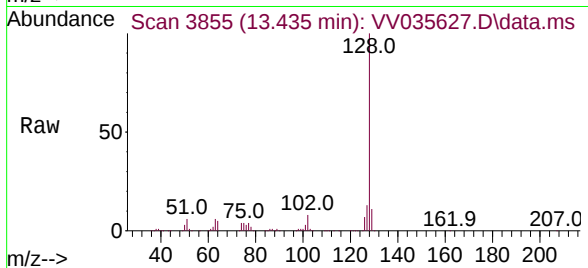
Tgt Ion:128 Resp: 600188

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 50.466 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV035627.D

Acq: 16 May 2024 15:18

Tgt Ion:180 Resp: 252847

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 31.0 24.9 37.3

