

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052124\
 Data File : VV035637.D
 Acq On : 21 May 2024 14:09
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 02:21:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:19:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	358517	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	382809	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	225956	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	118558	21.395	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.600%
7) Chloroethane-d5	1.529	69	106552	23.835	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.360%
11) 1,1-Dichloroethene-d2	2.053	65	55217	22.508	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.040%
21) 2-Butanone-d5	3.838	46	99133	63.039	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.080%
24) Chloroform-d	4.246	84	289908	27.200	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.800%
26) 1,2-Dichloroethane-d4	4.941	65	145712	27.654	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.600%
32) Benzene-d6	4.957	84	513587	24.509	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.040%
36) 1,2-Dichloropropane-d6	5.986	67	169959	26.282	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.120%
41) Toluene-d8	7.240	98	462478	24.798	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	7.555	79	69225	25.030	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.120%
47) 2-Hexanone-d5	8.031	63	69410	59.690	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	172179	27.631	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.520%
66) 1,2-Dichlorobenzene-d4	11.558	152	194414	24.792	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	168074	23.059	ug/L	99
3) Chloromethane	1.211	50	168865	23.075	ug/L	99
5) Vinyl chloride	1.278	62	182451	24.132	ug/L	99
6) Bromomethane	1.484	94	116821	24.403	ug/L	100
8) Chloroethane	1.545	64	118328	25.389	ug/L	98
9) Trichlorofluoromethane	1.709	101	252564	25.593	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	169211	27.176	ug/L	99
12) 1,1-Dichloroethene	2.063	96	144184	25.637	ug/L	90
14) Carbon disulfide	2.233	76	377869	21.213	ug/L	99
15) Methyl Acetate	2.384	43	81586	23.392	ug/L #	90
16) Methylene chloride	2.442	84	203639	24.632	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	158543	25.393	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	424905	28.213	ug/L	99
19) 1,1-Dichloroethane	3.108	63	328895	28.099	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	176174	26.029	ug/L	98
22) 2-Butanone	3.912	43	85790	40.130	ug/L #	65
23) Bromochloromethane	4.143	128	89891	27.459	ug/L	98
25) Chloroform	4.272	83	345514	28.586	ug/L	100
27) 1,2-Dichloroethane	5.040	62	214675	28.523	ug/L	99

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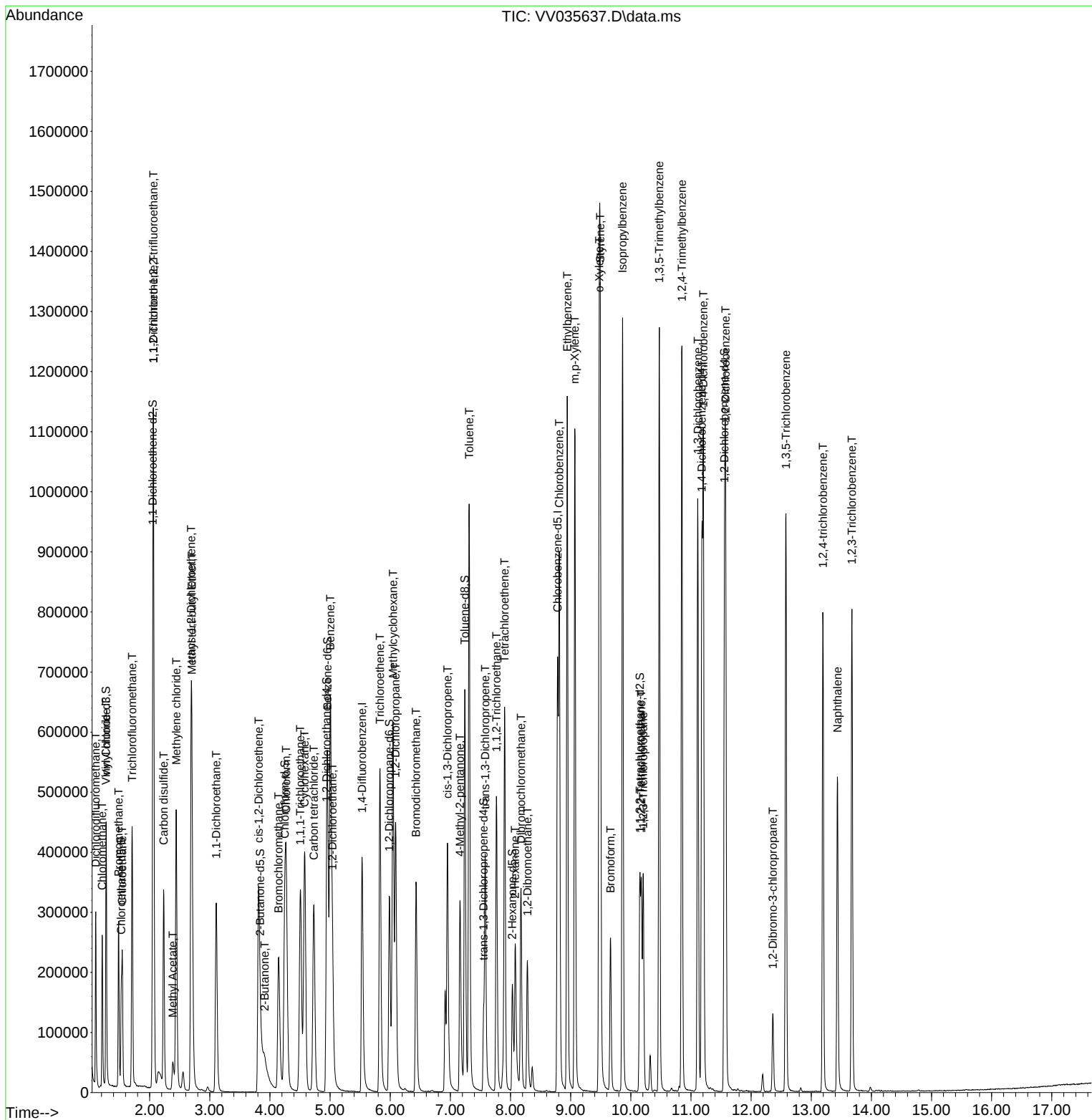
Instrument :
 MSVOA_V
 ClientSampleId :

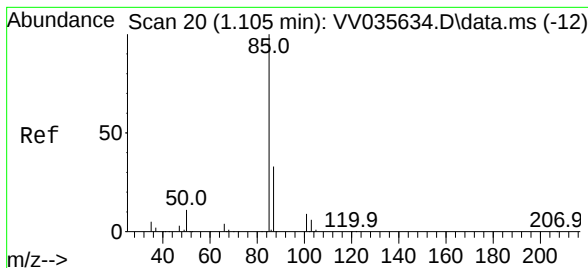
Quant Time: May 22 02:21:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:19:32 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.577	56	212803	23.246	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	286485	26.990	ug/L	99
31) Carbon tetrachloride	4.732	117	244697	26.275	ug/L	100
33) Benzene	5.005	78	687234	27.125	ug/L	100
34) Trichloroethene	5.831	95	197023	27.492	ug/L	98
35) Methylcyclohexane	6.047	83	255686	23.500	ug/L	97
37) 1,2-Dichloropropane	6.088	63	188289	28.485	ug/L	100
38) Bromodichloromethane	6.429	83	249104	27.819	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	266022	25.730	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	228355	57.683	ug/L	98
42) Toluene	7.313	91	735575	27.434	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	247285	27.342	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	160285	28.539	ug/L	99
46) Tetrachloroethene	7.902	164	147893	25.401	ug/L	100
48) 2-Hexanone	8.079	43	164644	55.469	ug/L	98
49) Dibromochloromethane	8.175	129	176563	27.860	ug/L	99
50) 1,2-Dibromoethane	8.281	107	152073	27.485	ug/L	100
51) Chlorobenzene	8.812	112	493749	26.539	ug/L	100
52) Ethylbenzene	8.944	91	801081	27.060	ug/L	99
53) m,p-Xylene	9.069	106	303276	27.003	ug/L	98
54) o-Xylene	9.477	106	292073	27.438	ug/L	99
55) Styrene	9.493	104	541994	29.192	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	173734	25.394	ug/L	99
59) Bromoform	9.664	173	117158	26.384	ug/L	99
60) Isopropylbenzene	9.863	105	805792	26.771	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	149645	28.262	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	648769	27.476	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	656328	27.049	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	413642	26.187	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	426166	26.061	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	394829	26.554	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	34481	28.079	ug/L	93
69) 1,3,5-Trichlorobenzene	12.580	180	307905	24.945	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	253181	24.564	ug/L	99
71) Naphthalene	13.435	128	433347	23.949	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	241464	26.041	ug/L	99

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

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QLast Update : Wed May 22 02:19:32 2024
Response via : Initial Calibration

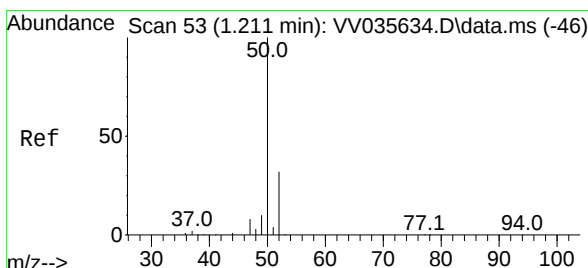
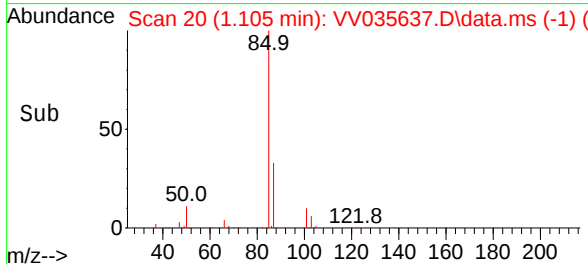
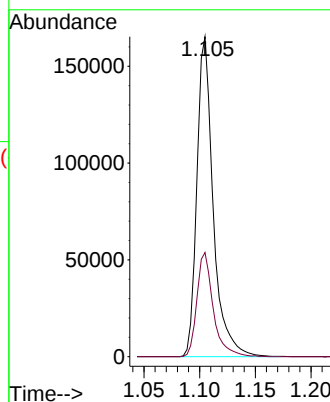
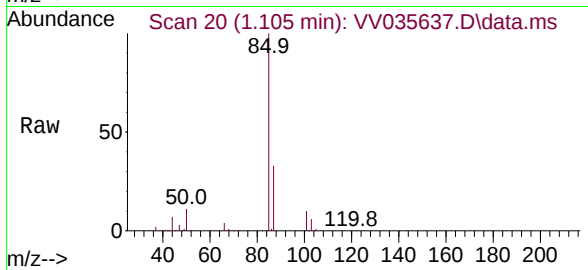




#2
 Dichlorodifluoromethane
 Concen: 23.059 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV035637.D
 Acq: 21 May 2024 14:09

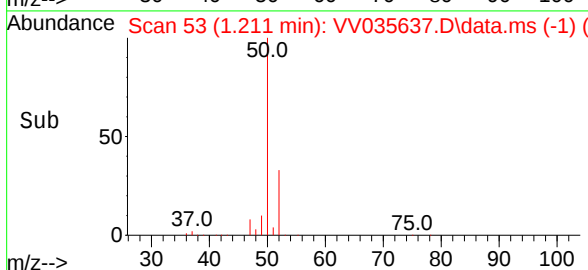
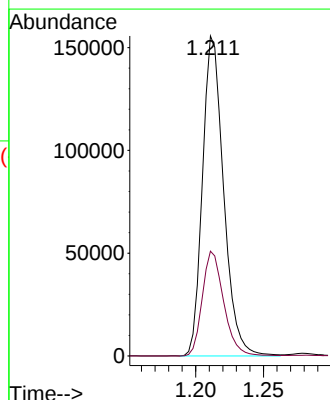
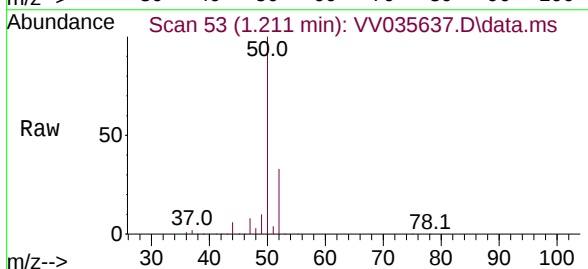
Instrument :
 MSVOA_V
 ClientSampleId :

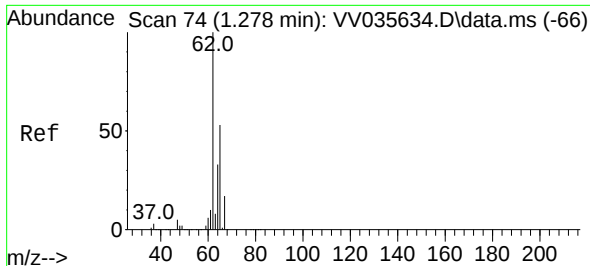
Tgt Ion: 85 Resp: 168074
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.6



#3
 Chloromethane
 Concen: 23.075 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV035637.D
 Acq: 21 May 2024 14:09

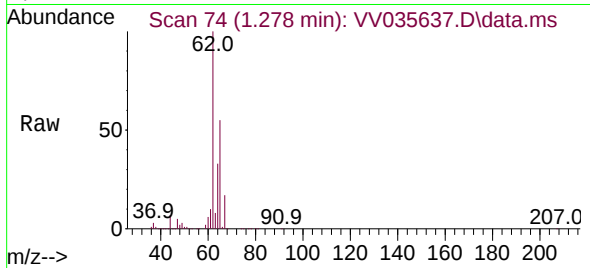
Tgt Ion: 50 Resp: 168865
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.7 42.1



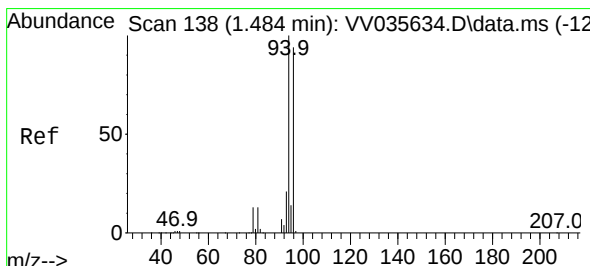
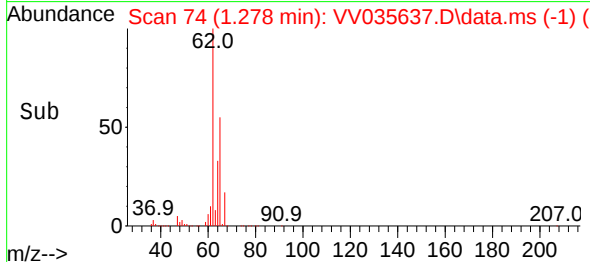
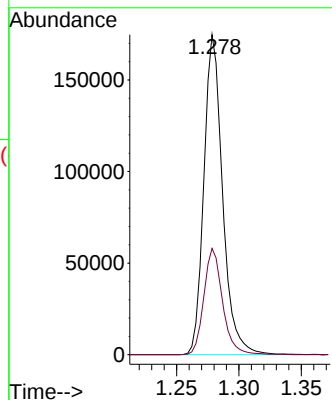


#5
 Vinyl chloride
 Concen: 24.132 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV035637.D
 Acq: 21 May 2024 14:09

Instrument :
 MSVOA_V
 ClientSampleId :

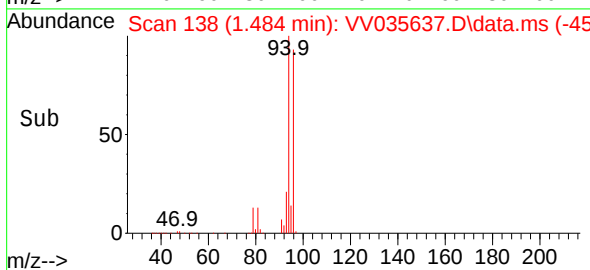
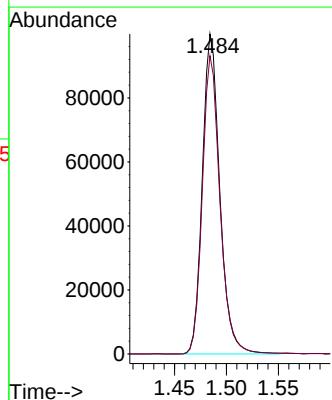
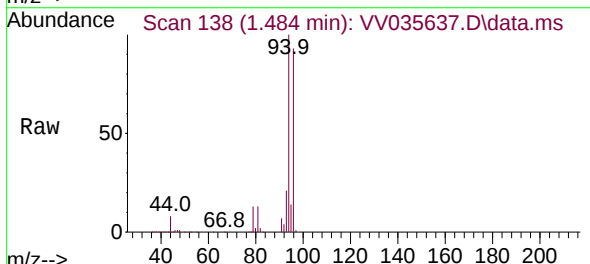


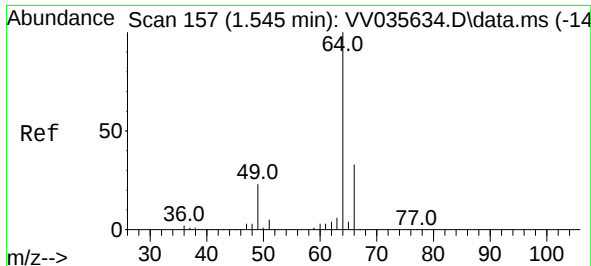
Tgt Ion: 62 Resp: 182451
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.0 42.6



#6
 Bromomethane
 Concen: 24.403 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV035637.D
 Acq: 21 May 2024 14:09

Tgt Ion: 94 Resp: 116821
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.2 121.0

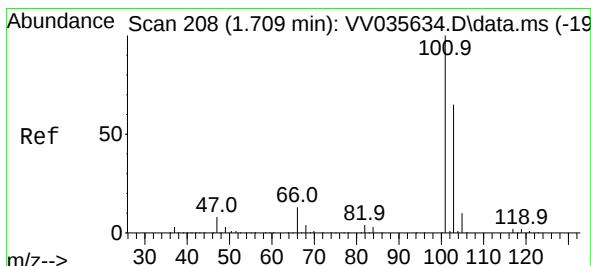
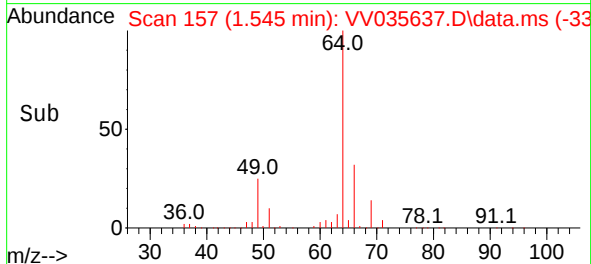
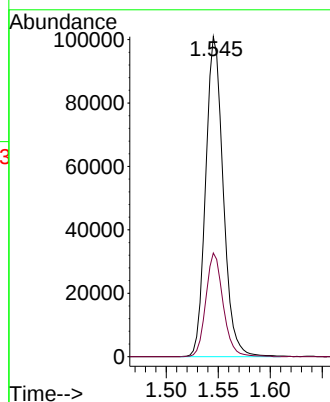
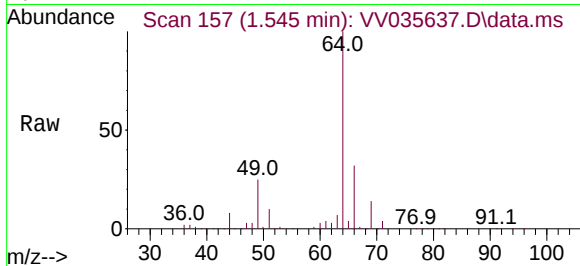




#8
Chloroethane
Concen: 25.389 ug/L
RT: 1.545 min Scan# 157
Delta R.T. -0.000 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

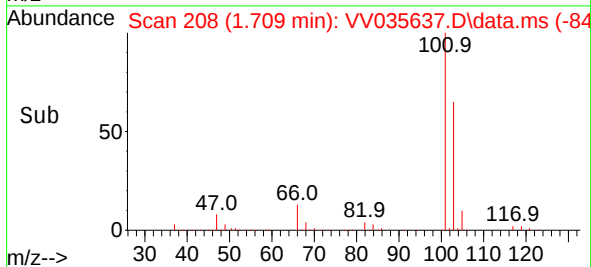
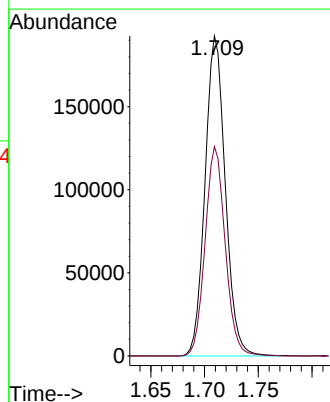
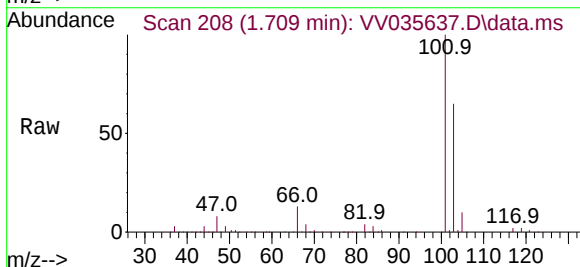
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MSVOA_V
ClientSampleId :

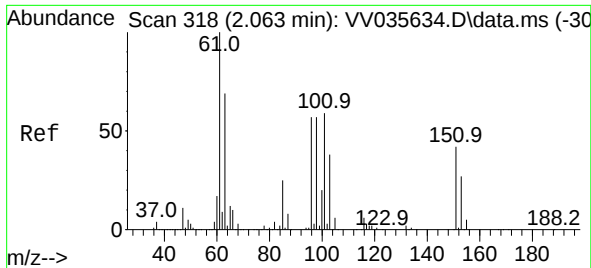
Tgt Ion: 64 Resp: 118328
Ion Ratio Lower Upper
64 100
66 32.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 25.593 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.000 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Tgt Ion:101 Resp: 252564
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3





#10

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

Concen: 27.176 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

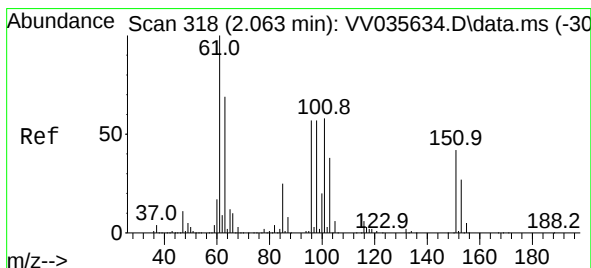
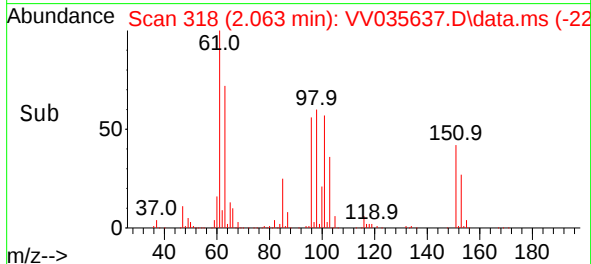
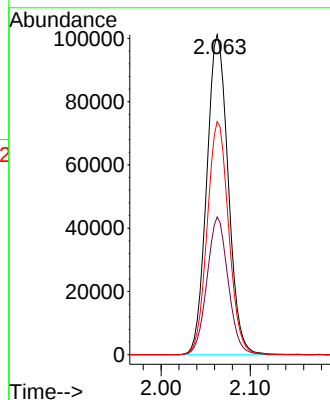
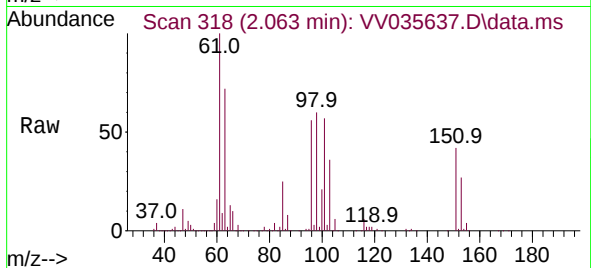
Tgt Ion:101 Resp: 169211

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

151 73.2 59.5 89.3



#12

1,1-Dichloroethene

Concen: 25.637 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

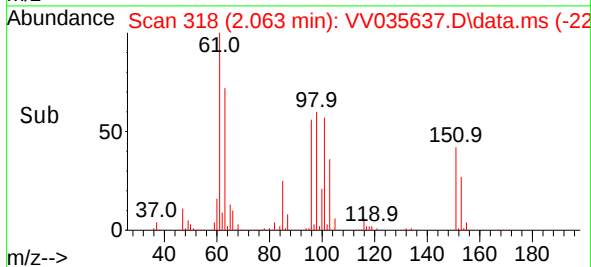
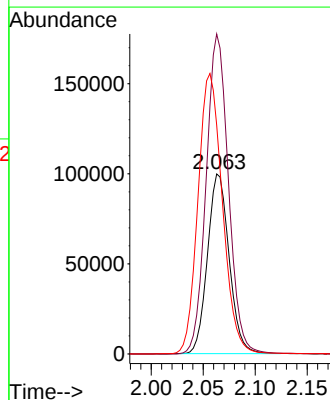
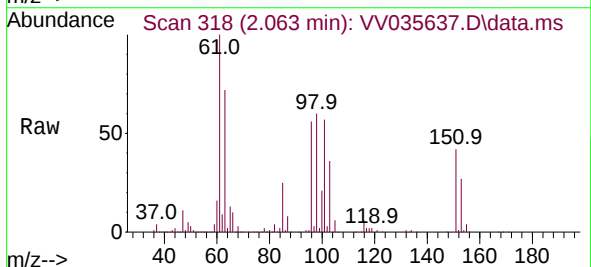
Tgt Ion: 96 Resp: 144184

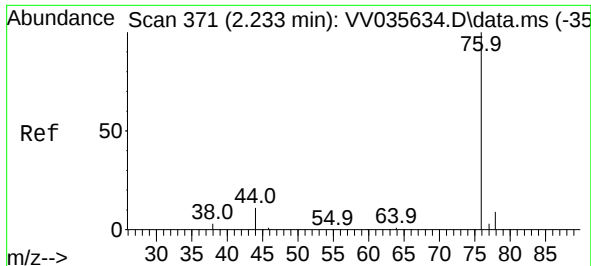
Ion Ratio Lower Upper

96 100

61 177.8 119.8 222.4

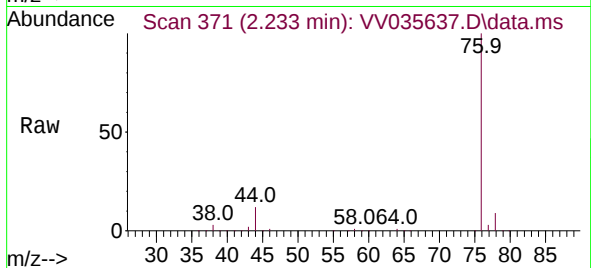
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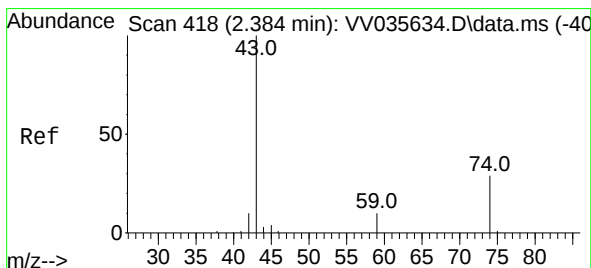
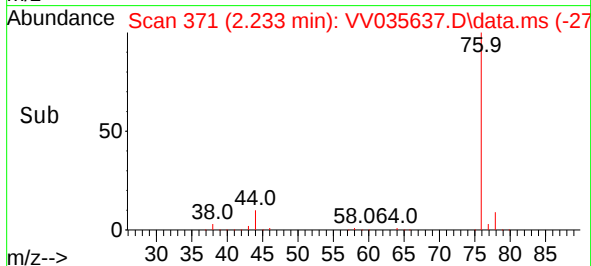
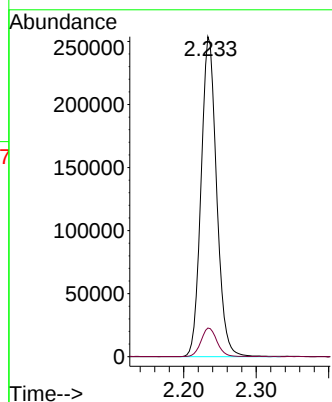


#14
Carbon disulfide
Concen: 21.213 ug/L
RT: 2.233 min Scan# 371
Delta R.T. -0.000 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Instrument :
MSVOA_V
ClientSampleId :

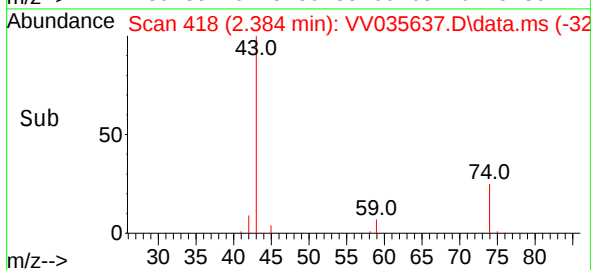
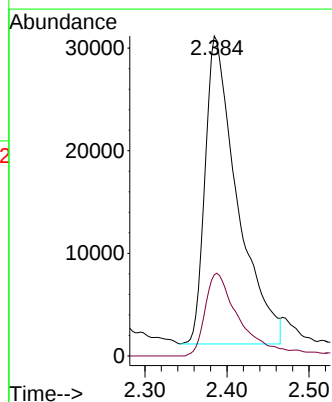
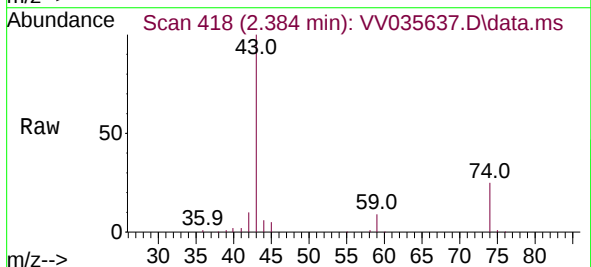


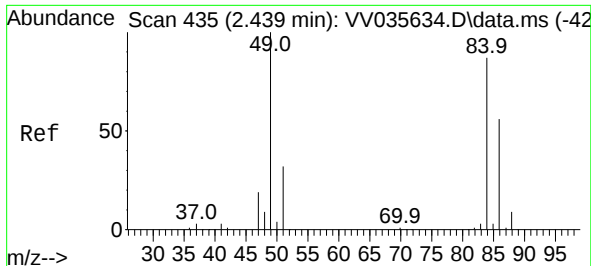
Tgt Ion: 76 Resp: 377869
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#15
Methyl Acetate
Concen: 23.392 ug/L
RT: 2.384 min Scan# 418
Delta R.T. -0.000 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

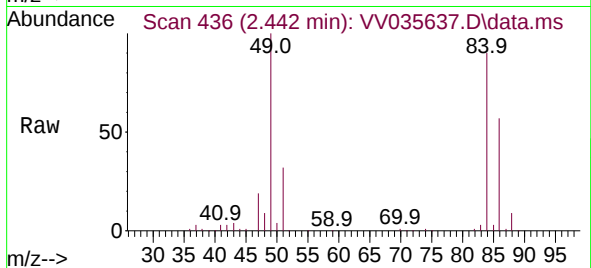
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Ion Ratio Lower Upper
43 100
74 28.2 18.6 27.8#



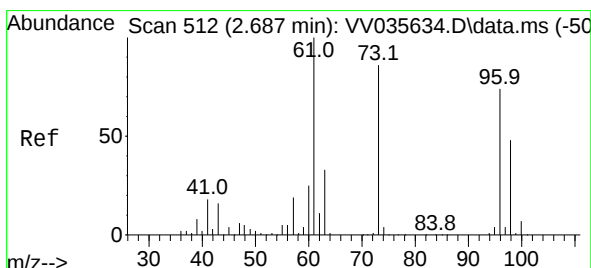
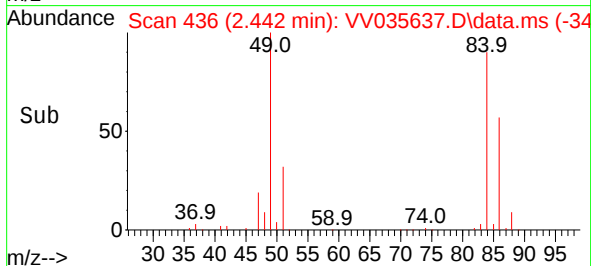
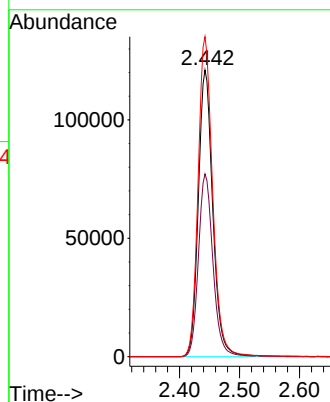


#16
Methylene chloride
Concen: 24.632 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Instrument :
MSVOA_V
ClientSampleId :

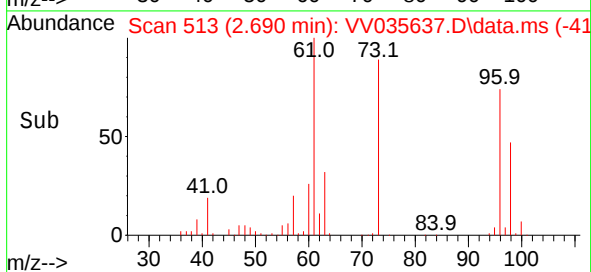
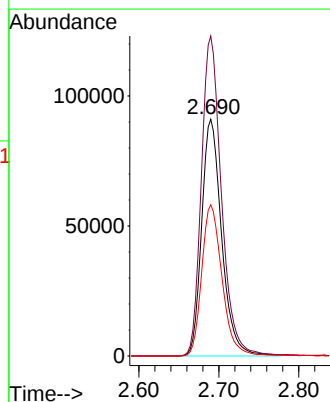
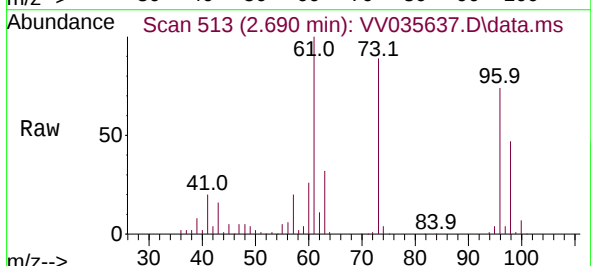


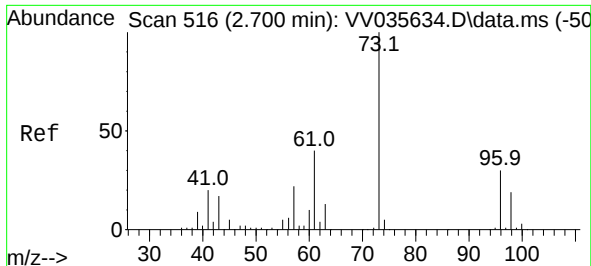
Tgt Ion: 84 Resp: 203639
Ion Ratio Lower Upper
84 100
86 63.7 43.8 81.3
49 111.6 75.3 139.9



#17
trans-1,2-Dichloroethene
Concen: 25.393 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Tgt Ion: 96 Resp: 158543
Ion Ratio Lower Upper
96 100
61 135.2 95.5 177.4
98 63.8 46.0 85.4





#18

Methyl tert-butyl Ether

Concen: 28.213 ug/L

RT: 2.703 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

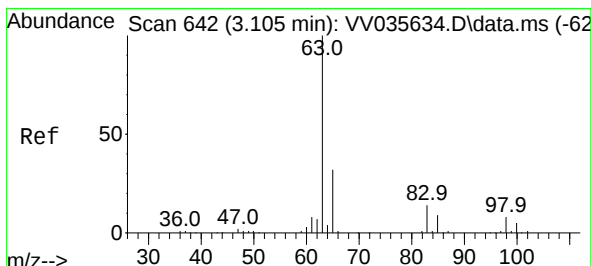
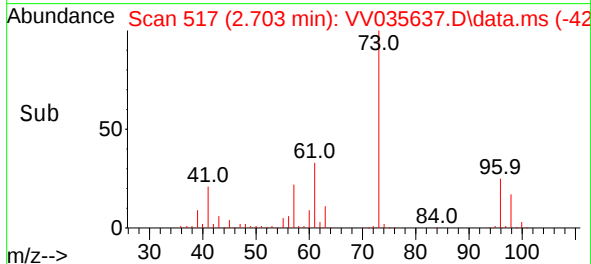
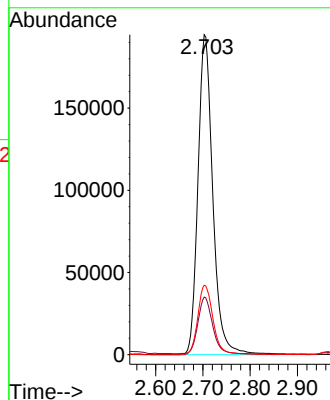
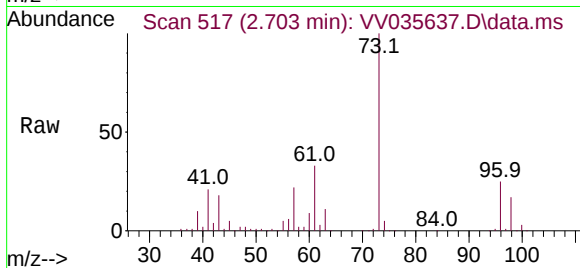
Tgt Ion: 73 Resp: 424905

Ion Ratio Lower Upper

73 100

43 17.1 13.3 19.9

57 22.2 17.4 26.2



#19

1,1-Dichloroethane

Concen: 28.099 ug/L

RT: 3.108 min Scan# 643

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

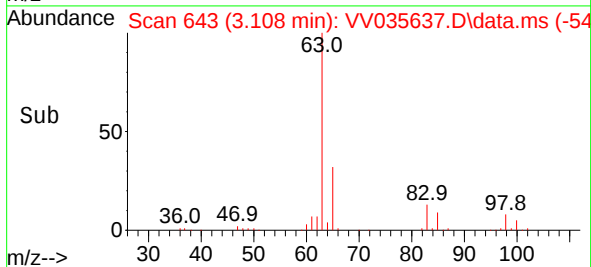
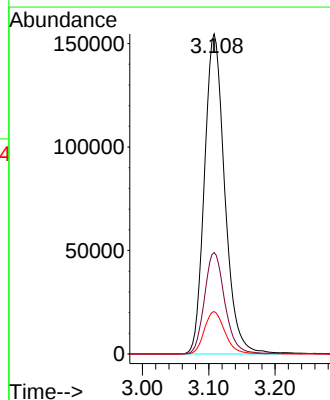
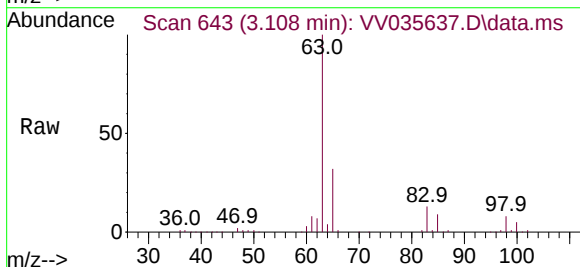
Tgt Ion: 63 Resp: 328895

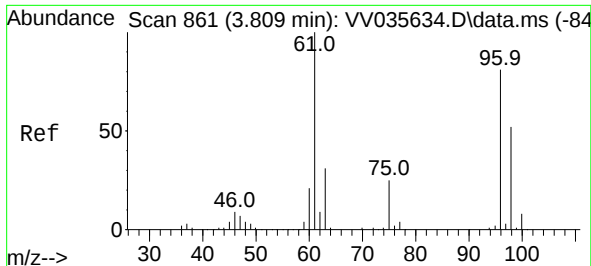
Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.3

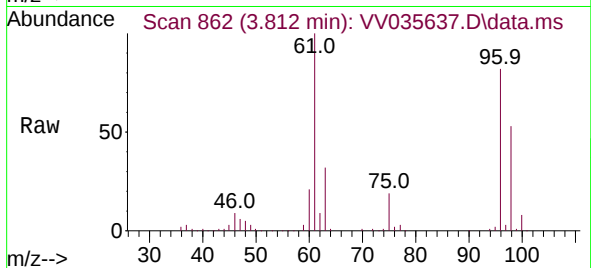
83 13.3 9.7 17.9



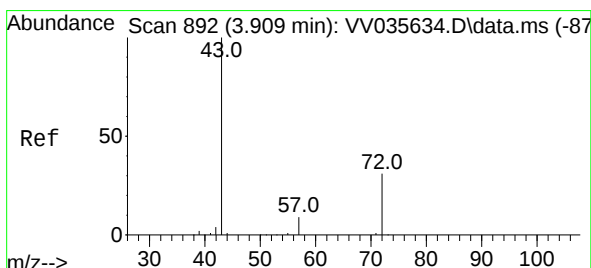
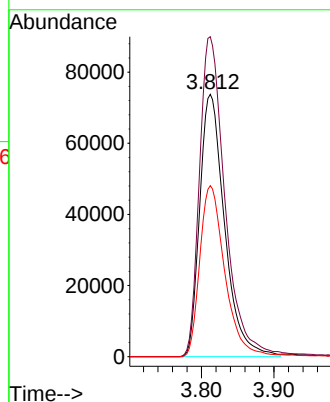
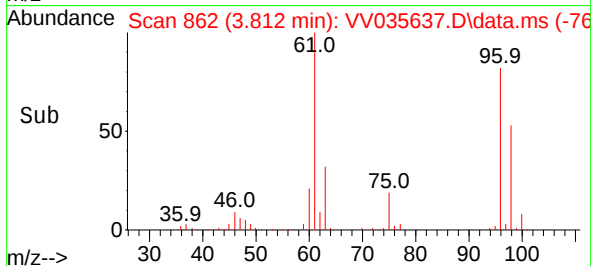


#20
cis-1,2-Dichloroethene
Concen: 26.029 ug/L
RT: 3.812 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Instrument :
MSVOA_V
ClientSampleId :

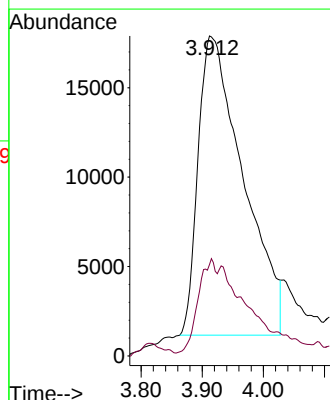
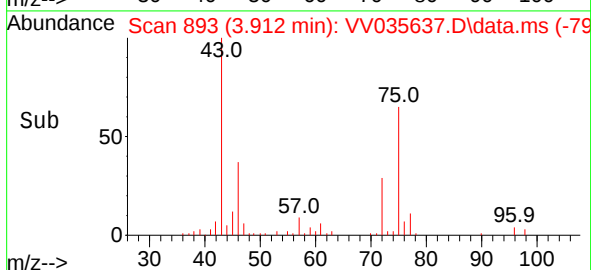
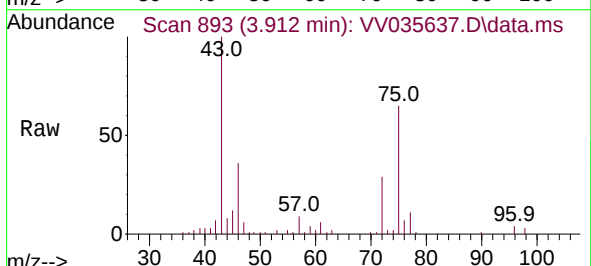


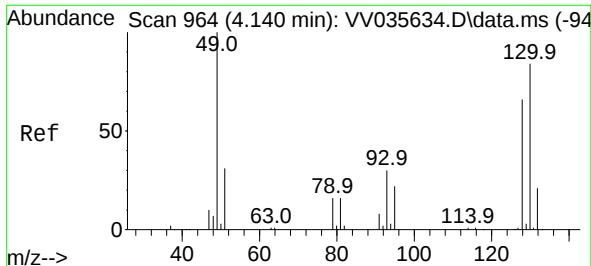
Tgt Ion: 96 Resp: 176174
Ion Ratio Lower Upper
96 100
61 121.9 83.9 155.9
98 65.1 44.0 81.8



#22
2-Butanone
Concen: 40.130 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

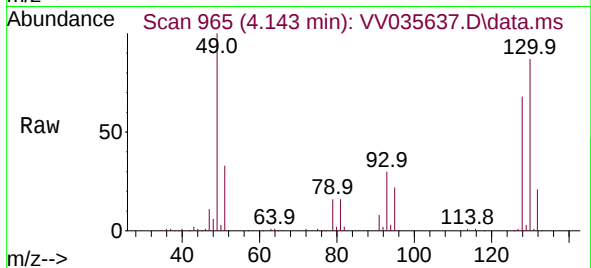
Tgt Ion: 43 Resp: 85790
Ion Ratio Lower Upper
43 100
72 7.2 12.3 36.9#



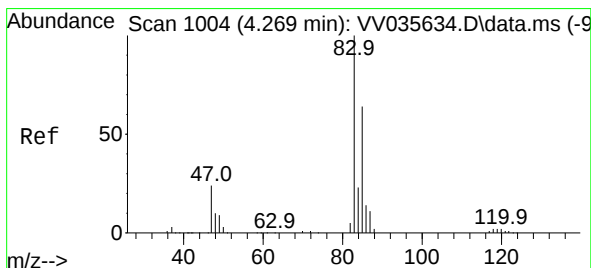
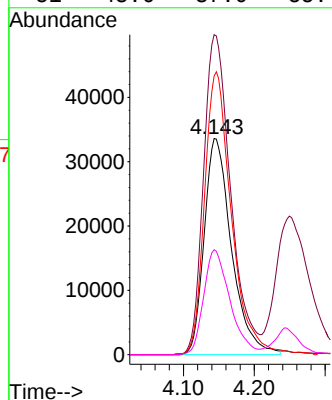
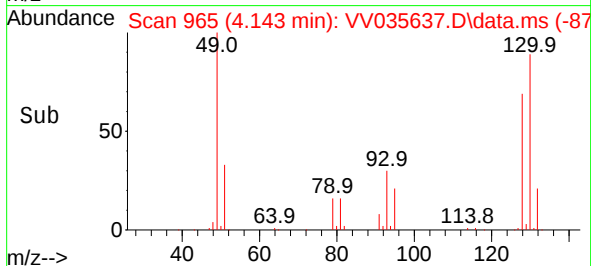


#23
Bromochloromethane
Concen: 27.459 ug/L
RT: 4.143 min Scan# 90
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Instrument :
MSVOA_V
ClientSampleId :

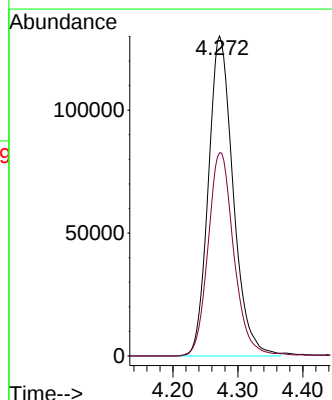
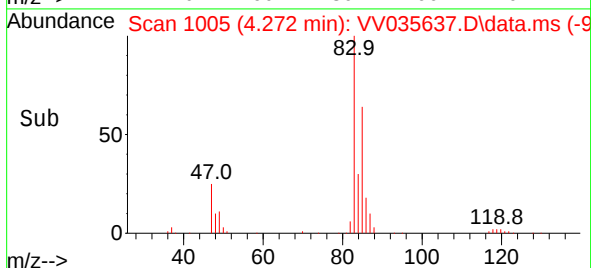
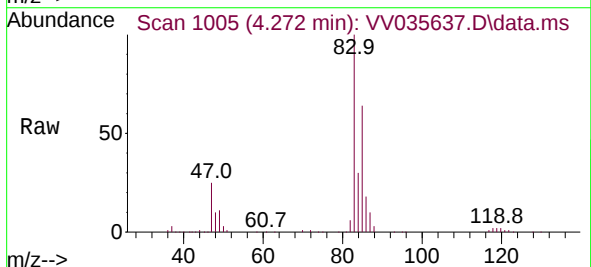


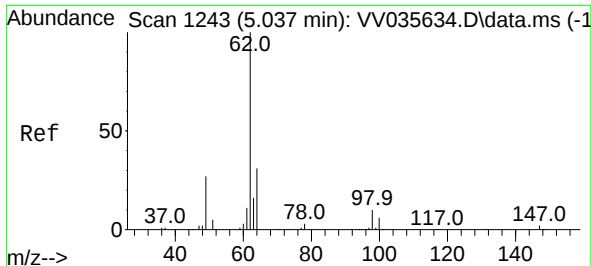
Tgt Ion:128 Resp: 89891
Ion Ratio Lower Upper
128 100
49 148.1 103.1 191.5
130 128.9 91.8 170.4
51 48.6 37.0 55.4



#25
Chloroform
Concen: 28.586 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Tgt Ion: 83 Resp: 345514
Ion Ratio Lower Upper
83 100
85 63.5 44.7 82.9





#27

1,2-Dichloroethane

Concen: 28.523 ug/L

RT: 5.040 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

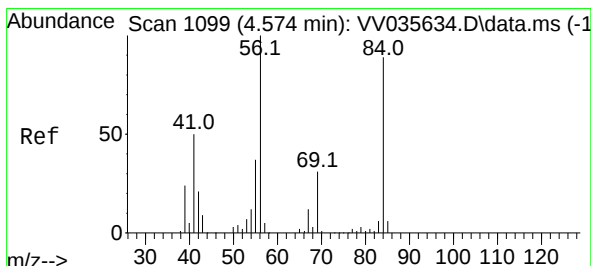
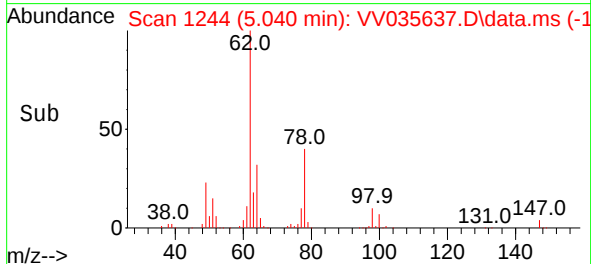
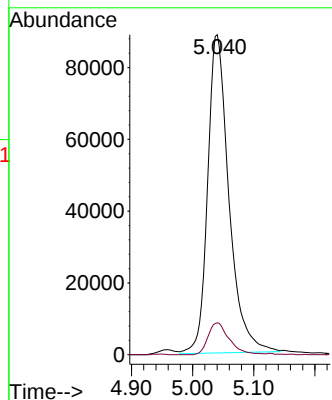
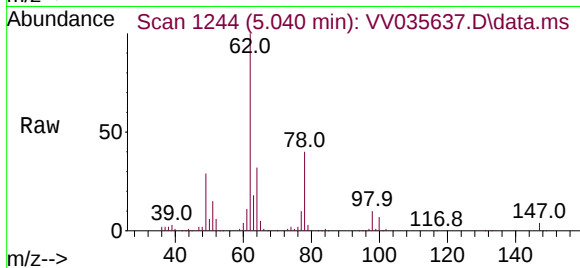
ClientSampleId :

Tgt Ion: 62 Resp: 214675

Ion Ratio Lower Upper

62 100

98 9.9 8.2 12.2



#29

Cyclohexane

Concen: 23.246 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

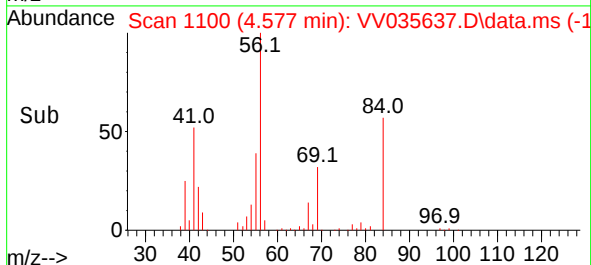
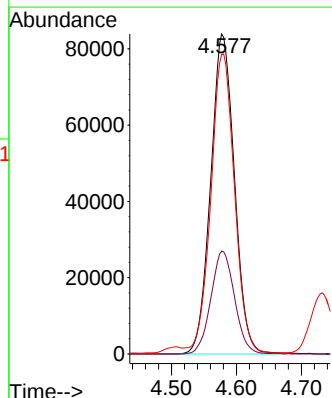
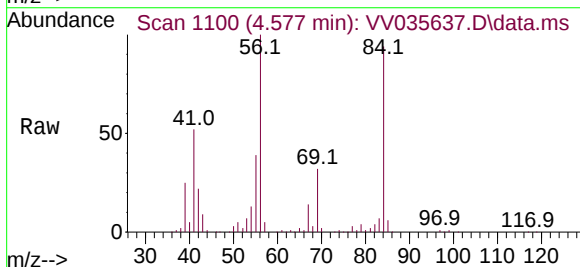
Tgt Ion: 56 Resp: 212803

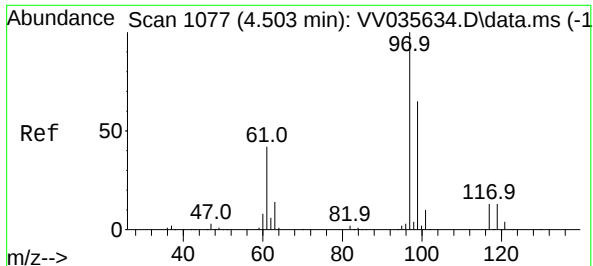
Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

84 92.6 74.8 112.2





#30

1,1,1-Trichloroethane

Concen: 26.990 ug/L

RT: 4.507 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

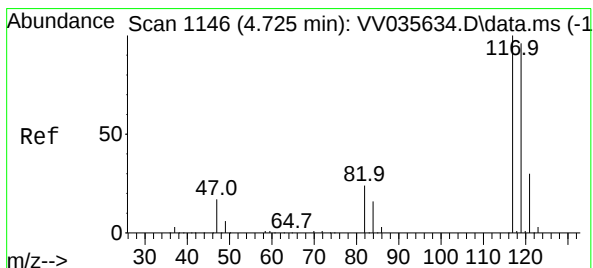
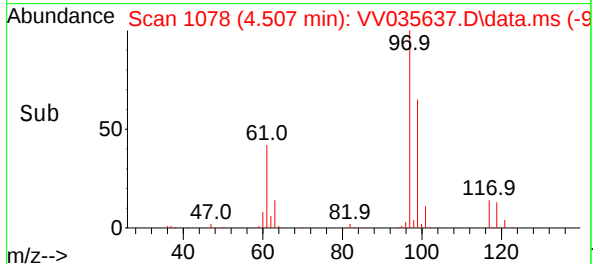
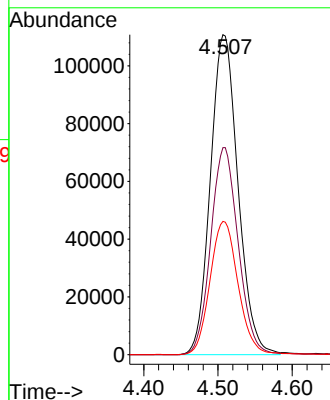
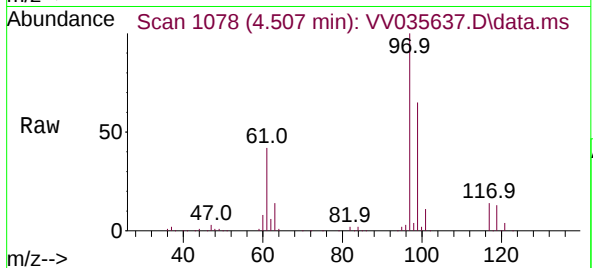
Tgt Ion: 97 Resp: 286485

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 42.6 33.5 50.3



#31

Carbon tetrachloride

Concen: 26.275 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.006 min

Lab File: VV035637.D

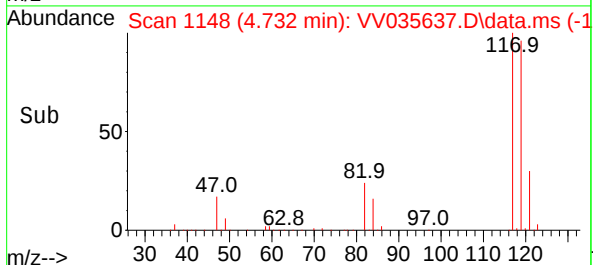
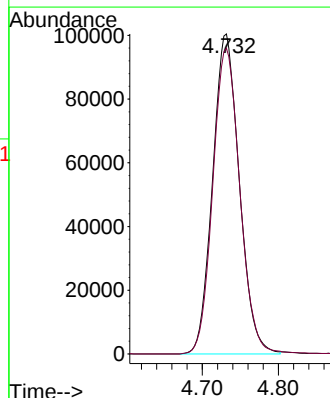
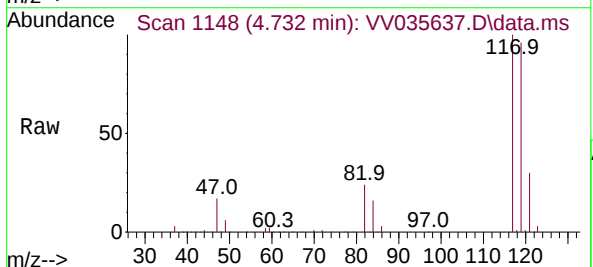
Acq: 21 May 2024 14:09

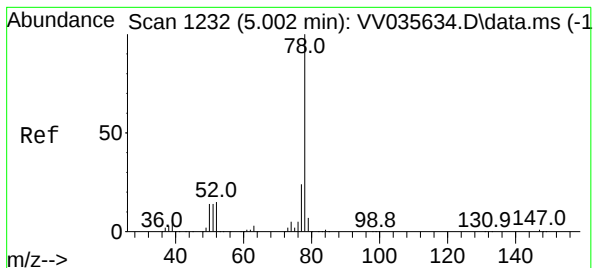
Tgt Ion:117 Resp: 244697

Ion Ratio Lower Upper

117 100

119 96.8 77.3 115.9





#33

Benzene

Concen: 27.125 ug/L

RT: 5.005 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV035637.D

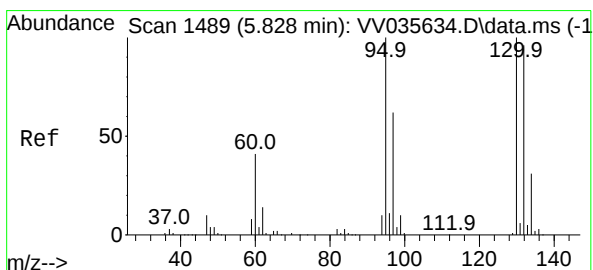
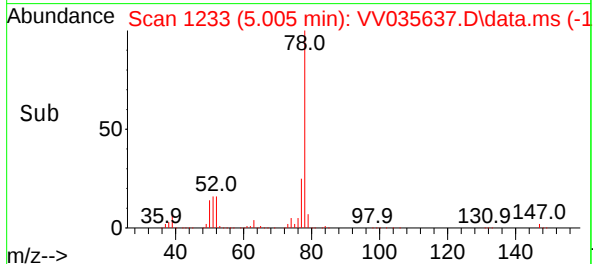
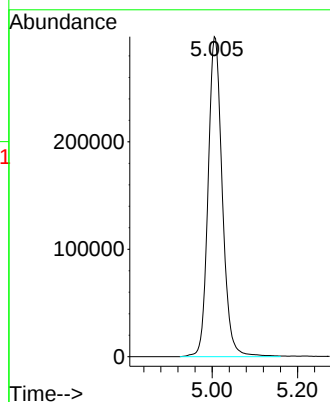
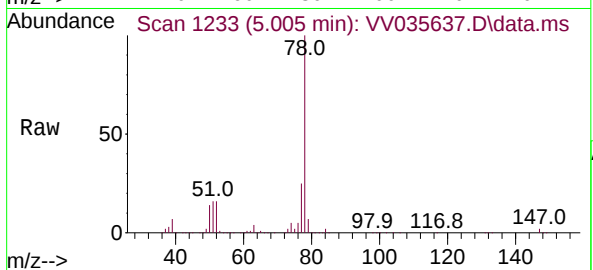
Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 687234



#34

Trichloroethene

Concen: 27.492 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Tgt Ion: 95 Resp: 197023

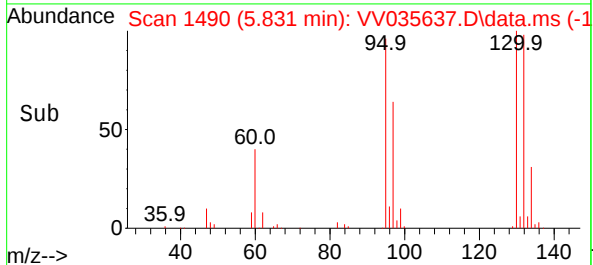
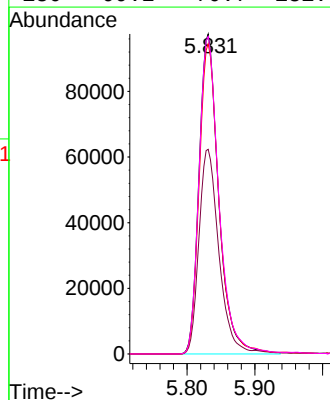
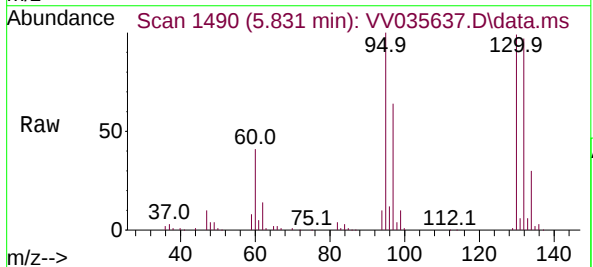
Ion Ratio Lower Upper

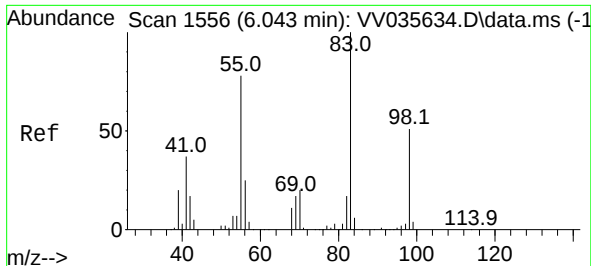
95 100

97 63.9 43.8 81.4

132 97.0 67.1 124.7

130 99.2 70.7 131.3





#35

Methylcyclohexane

Concen: 23.500 ug/L

RT: 6.047 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

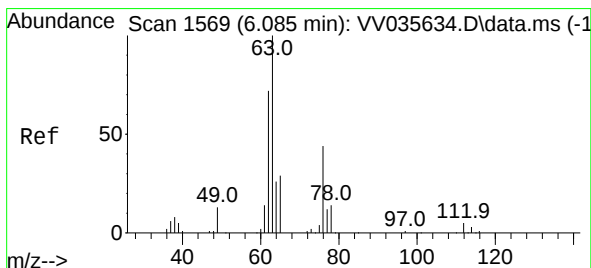
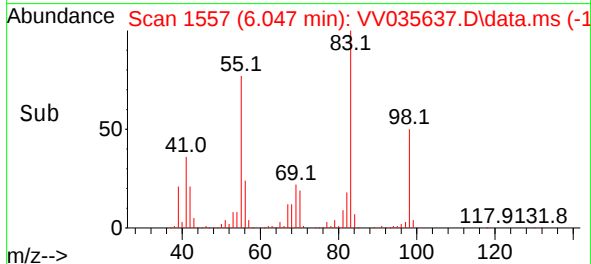
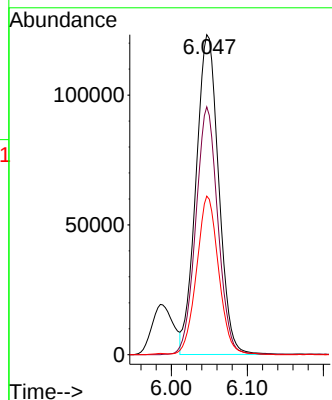
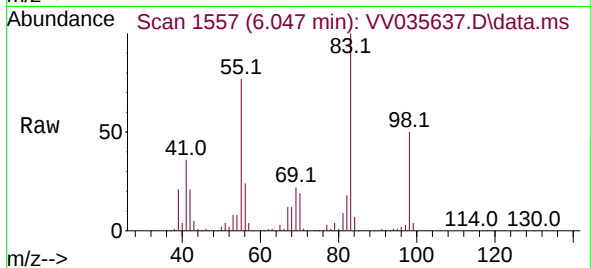
Tgt Ion: 83 Resp: 255686

Ion Ratio Lower Upper

83 100

55 75.4 57.5 86.3

98 48.1 38.6 58.0



#37

1,2-Dichloropropane

Concen: 28.485 ug/L

RT: 6.088 min Scan# 1570

Delta R.T. 0.003 min

Lab File: VV035637.D

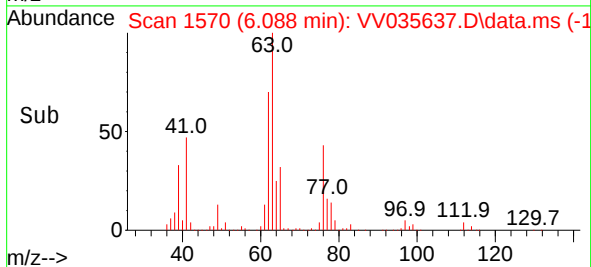
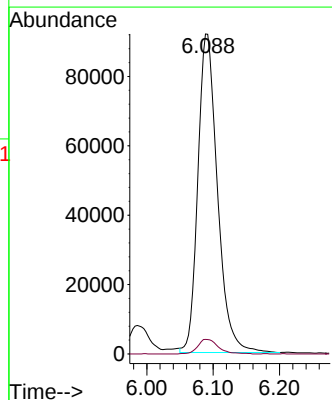
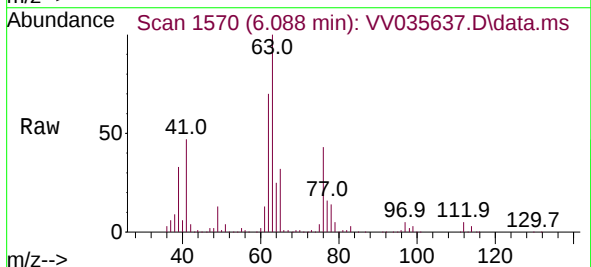
Acq: 21 May 2024 14:09

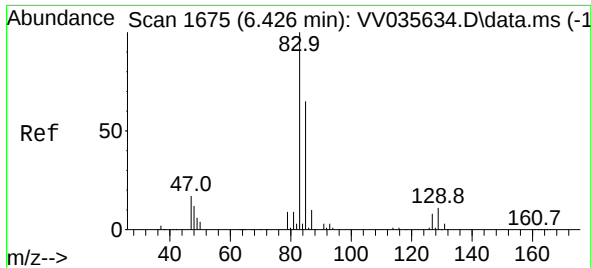
Tgt Ion: 63 Resp: 188289

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6





#38

Bromodichloromethane

Concen: 27.819 ug/L

RT: 6.429 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

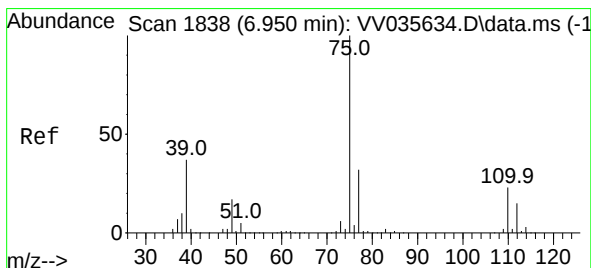
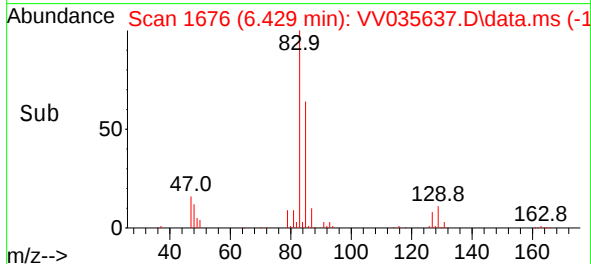
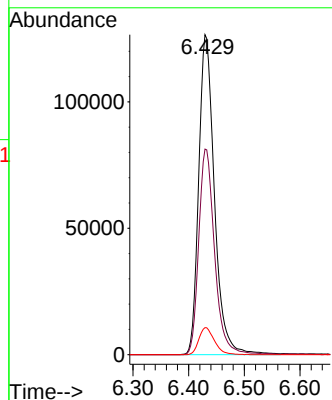
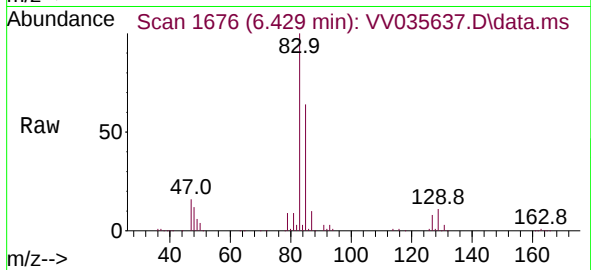
Tgt Ion: 83 Resp: 249104

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.9

127 8.4 7.0 10.6



#39

cis-1,3-Dichloropropene

Concen: 25.730 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV035637.D

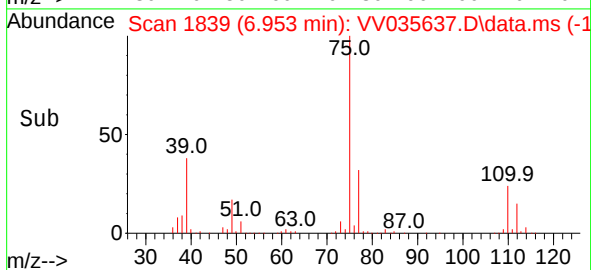
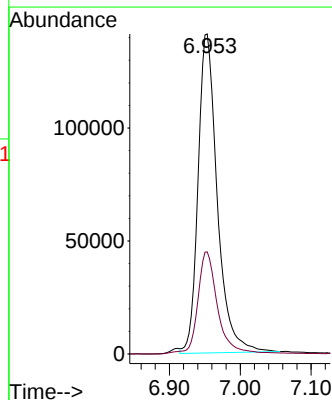
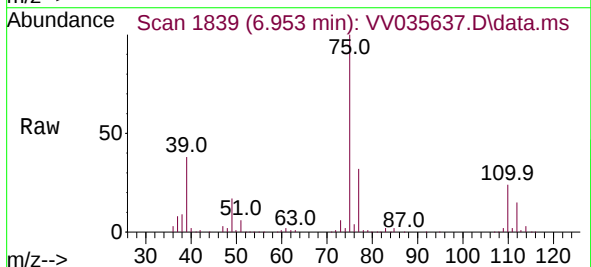
Acq: 21 May 2024 14:09

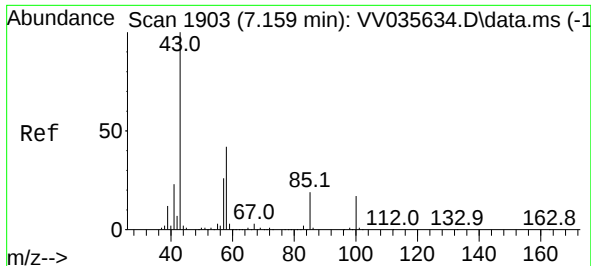
Tgt Ion: 75 Resp: 266022

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9





#40

4-Methyl-2-pentanone

Concen: 57.683 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

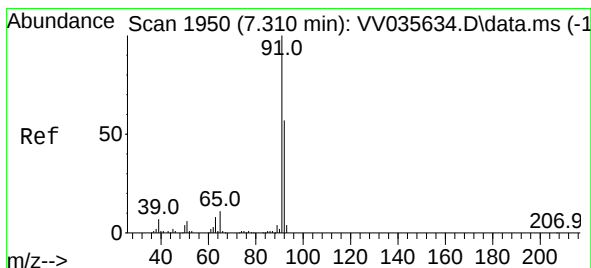
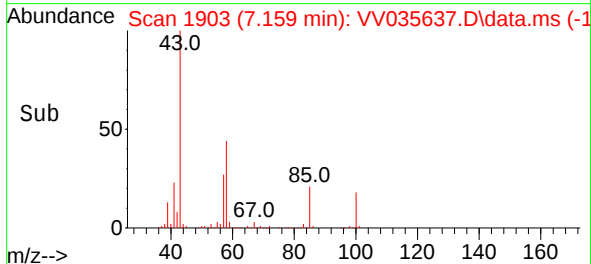
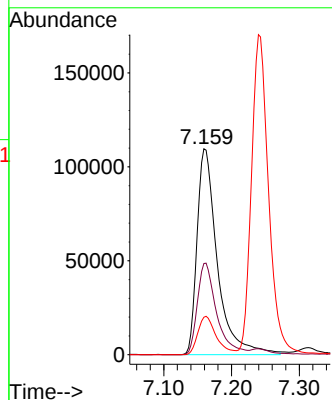
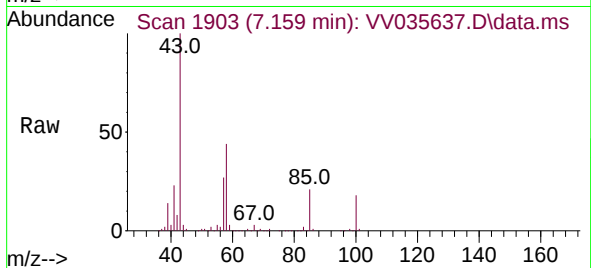
Tgt Ion: 43 Resp: 228355

Ion Ratio Lower Upper

43 100

58 42.1 34.8 52.2

100 17.0 13.9 20.9



#42

Toluene

Concen: 27.434 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV035637.D

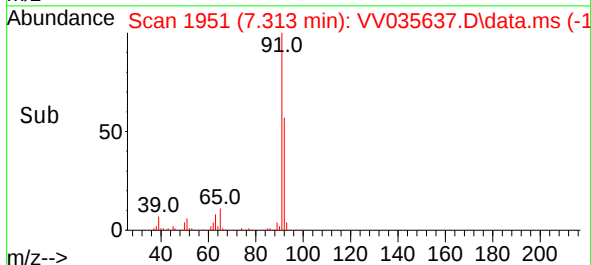
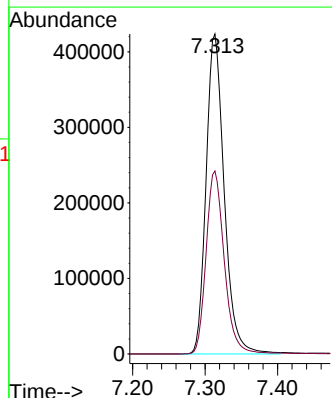
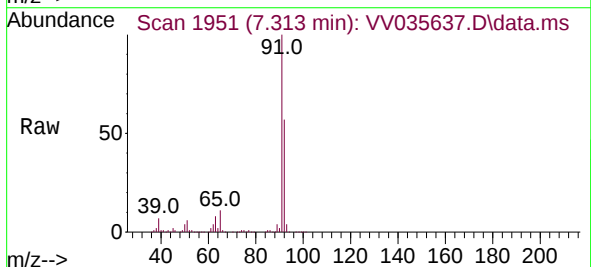
Acq: 21 May 2024 14:09

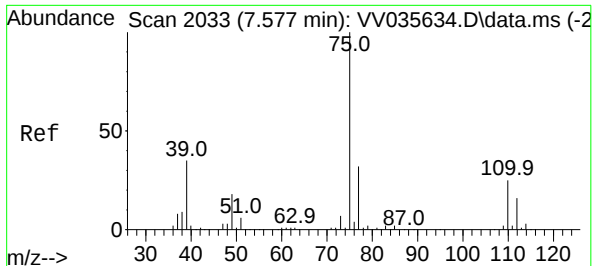
Tgt Ion: 91 Resp: 735575

Ion Ratio Lower Upper

91 100

92 57.2 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 27.342 ug/L

RT: 7.580 min Scan# 2033

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

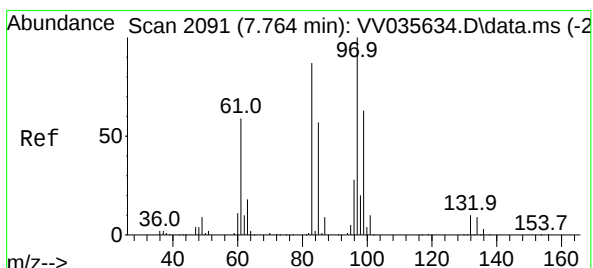
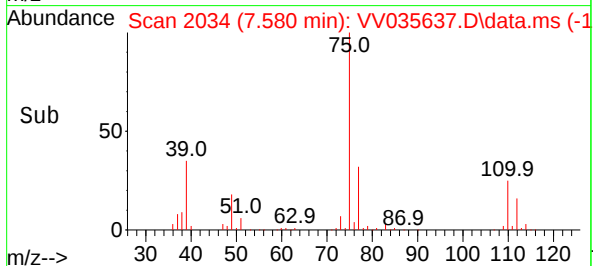
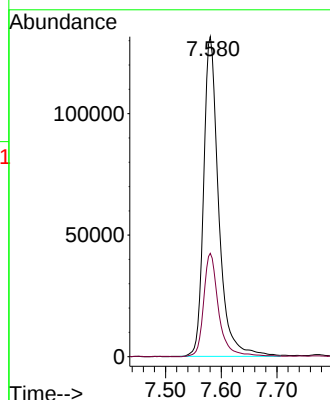
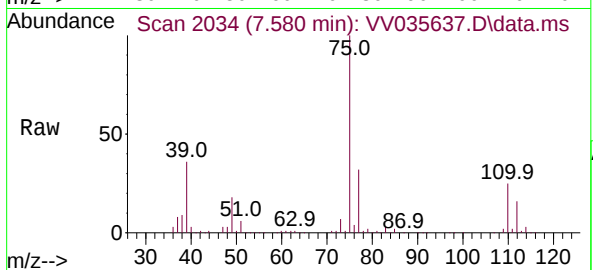
ClientSampleId :

Tgt Ion: 75 Resp: 247285

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6



#45

1,1,2-Trichloroethane

Concen: 28.539 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Tgt Ion: 97 Resp: 160285

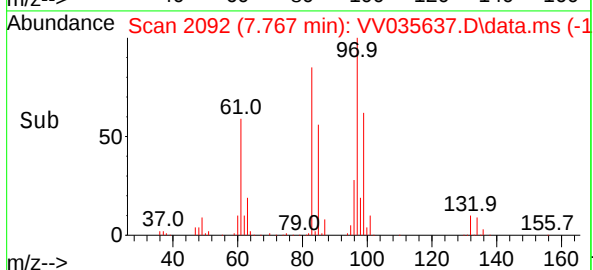
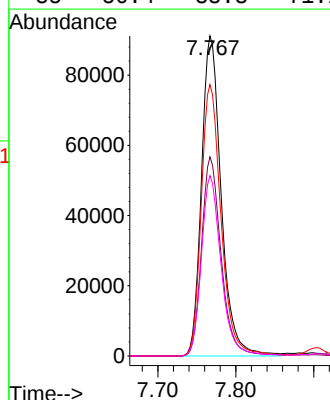
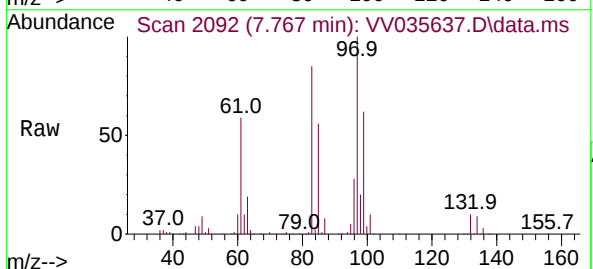
Ion Ratio Lower Upper

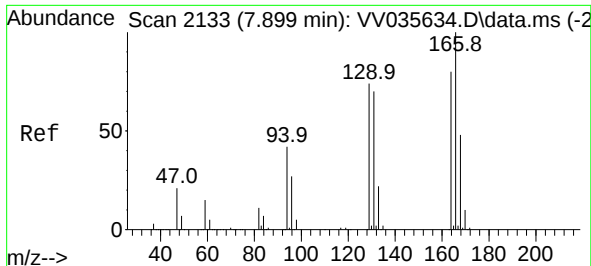
97 100

99 62.2 43.3 80.3

83 84.8 60.3 111.9

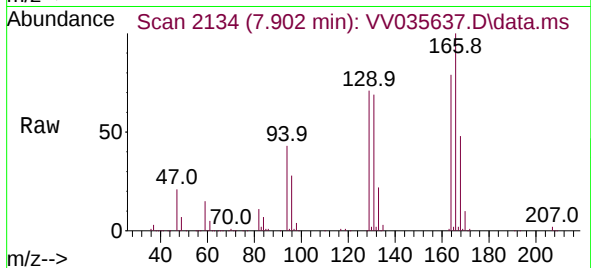
85 56.4 38.3 71.1



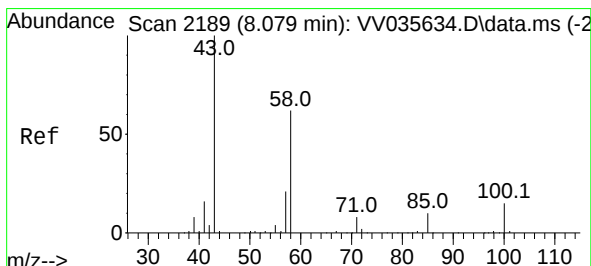
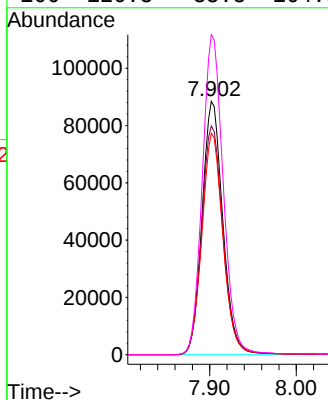
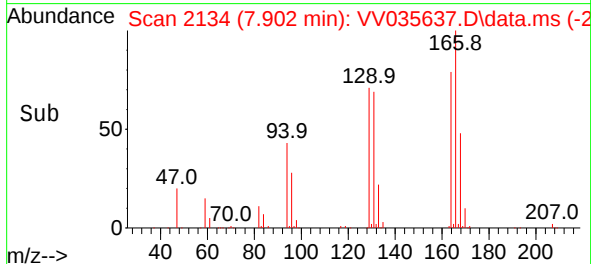


#46
Tetrachloroethene
Concen: 25.401 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

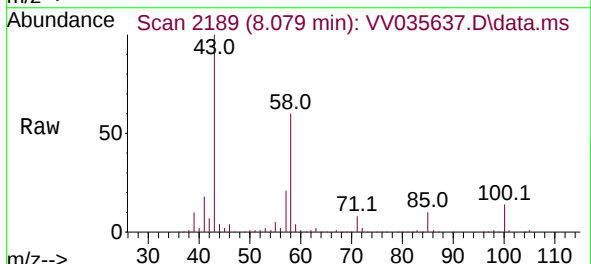
Instrument :
MSVOA_V
ClientSampleId :



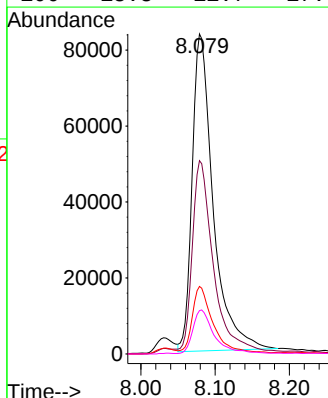
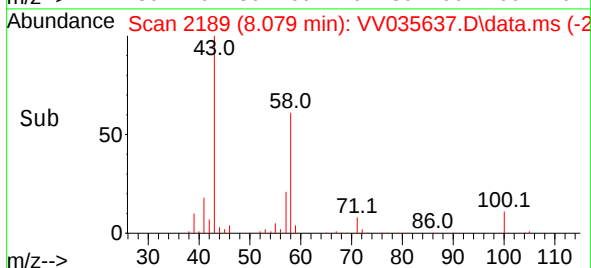
Tgt Ion:164 Resp: 147893
Ion Ratio Lower Upper
164 100
129 90.3 63.4 117.8
131 87.4 61.0 113.4
166 126.3 88.8 164.8

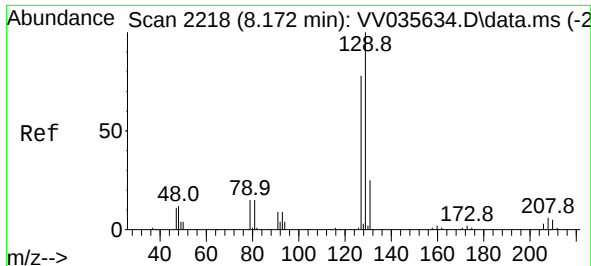


#48
2-Hexanone
Concen: 55.469 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09



Tgt Ion: 43 Resp: 164644
Ion Ratio Lower Upper
43 100
58 59.3 48.8 73.2
57 20.5 16.9 25.3
100 13.3 11.7 17.5





#49

Dibromochloromethane

Concen: 27.860 ug/L

RT: 8.175 min Scan# 2218

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

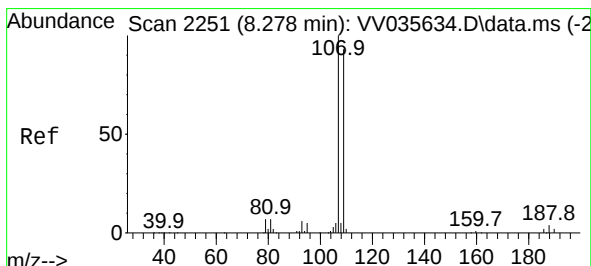
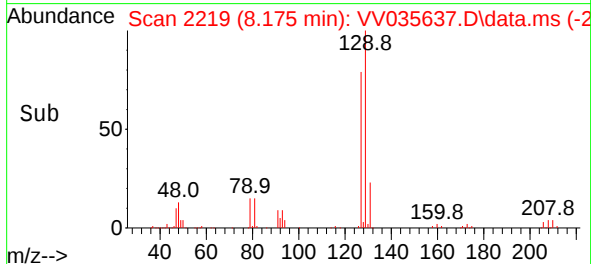
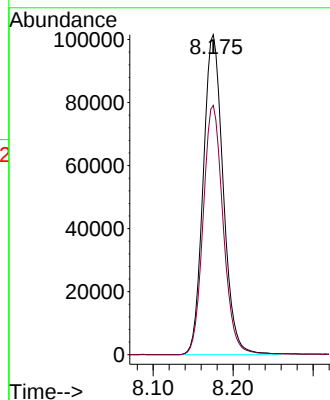
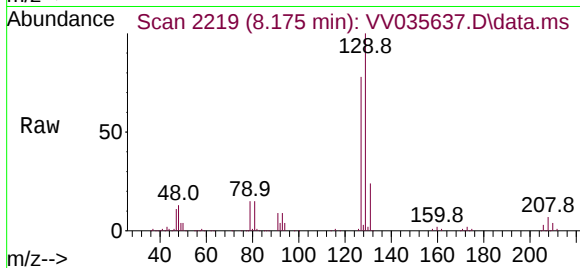
ClientSampleId :

Tgt Ion:129 Resp: 176563

Ion Ratio Lower Upper

129 100

127 77.9 53.8 99.8



#50

1,2-Dibromoethane

Concen: 27.485 ug/L

RT: 8.281 min Scan# 2252

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

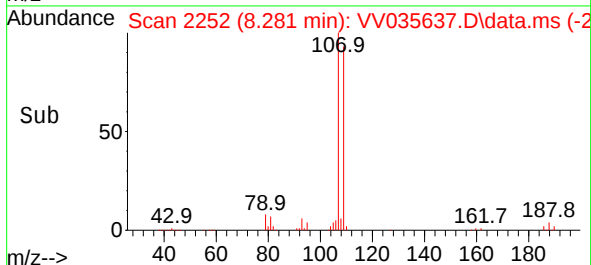
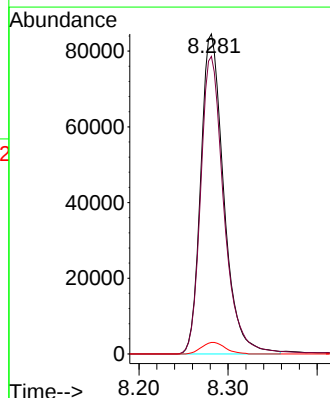
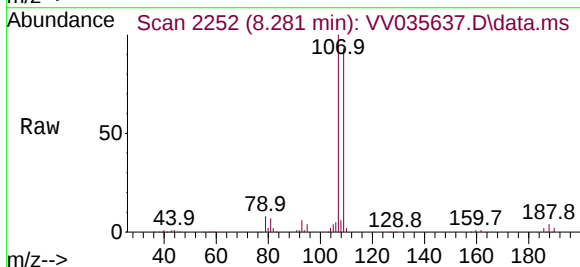
Tgt Ion:107 Resp: 152073

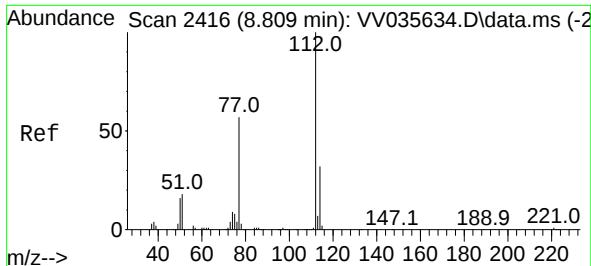
Ion Ratio Lower Upper

107 100

109 93.0 65.4 121.4

188 3.6 2.9 4.3





#51

Chlorobenzene

Concen: 26.539 ug/L

RT: 8.812 min Scan# 2416

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

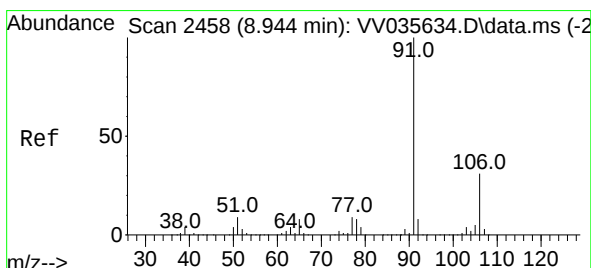
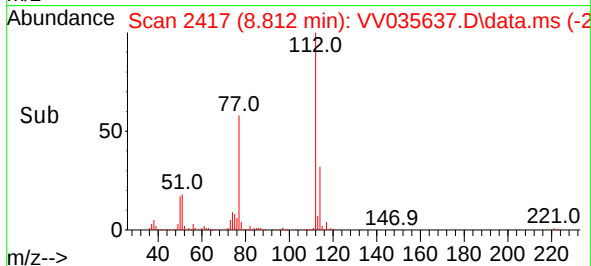
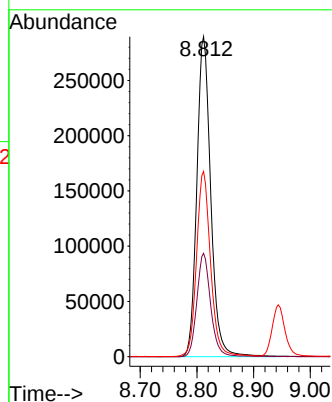
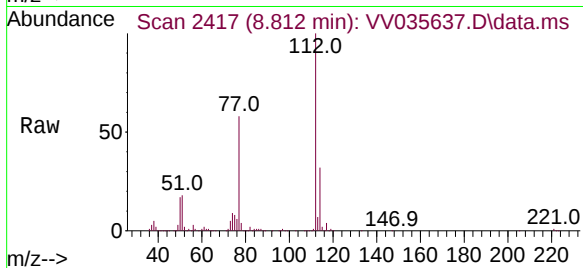
Tgt Ion:112 Resp: 493749

Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

77 57.9 46.6 69.8



#52

Ethylbenzene

Concen: 27.060 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV035637.D

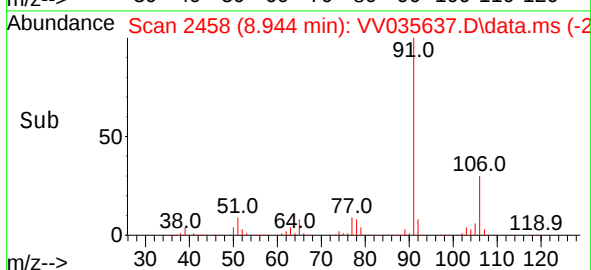
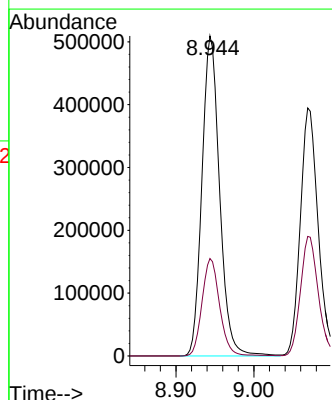
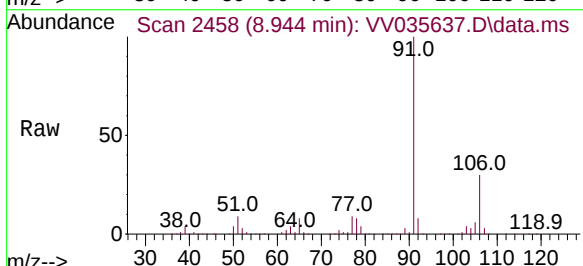
Acq: 21 May 2024 14:09

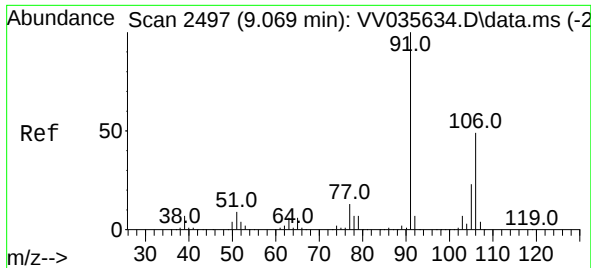
Tgt Ion: 91 Resp: 801081

Ion Ratio Lower Upper

91 100

106 30.5 21.7 40.3

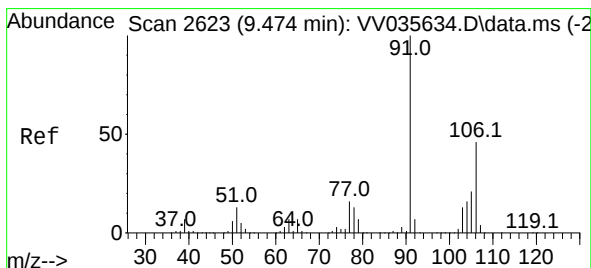
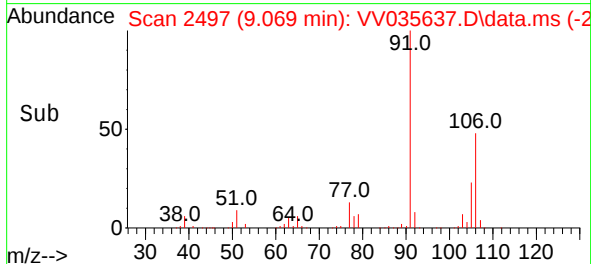
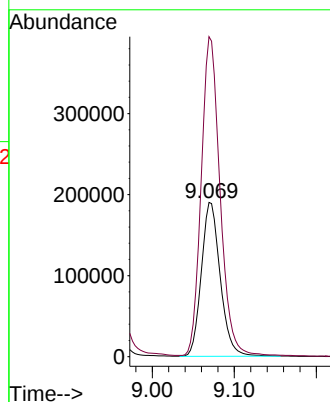
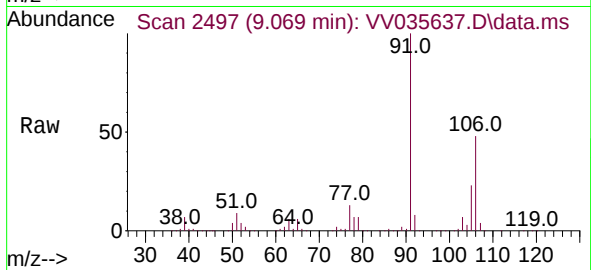




#53
m,p-Xylene
Concen: 27.003 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

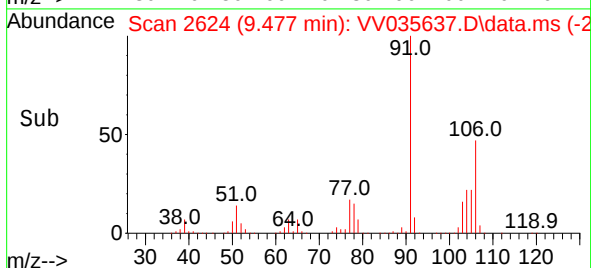
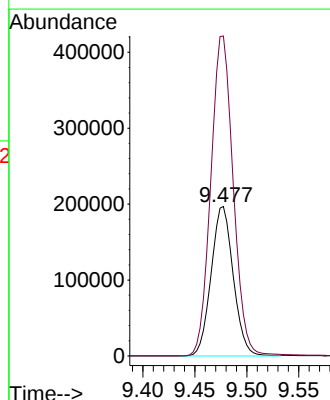
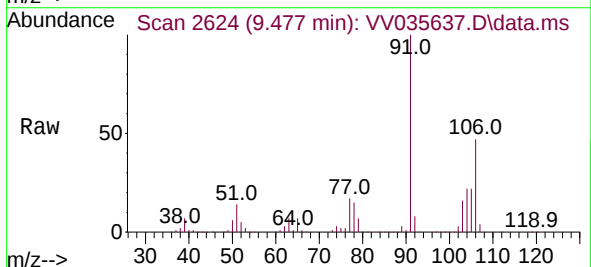
Instrument :
MSVOA_V
ClientSampleId :

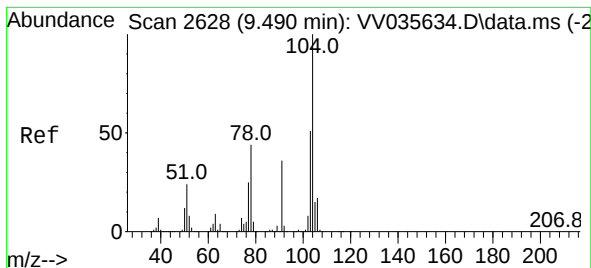
Tgt Ion:106 Resp: 303276
Ion Ratio Lower Upper
106 100
91 207.5 142.7 264.9



#54
o-Xylene
Concen: 27.438 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV035637.D
Acq: 21 May 2024 14:09

Tgt Ion:106 Resp: 292073
Ion Ratio Lower Upper
106 100
91 214.1 150.9 280.3





#55

Styrene

Concen: 29.192 ug/L

RT: 9.493 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

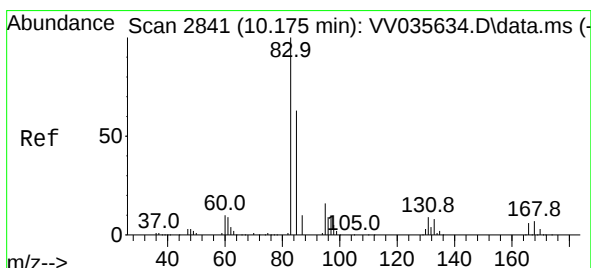
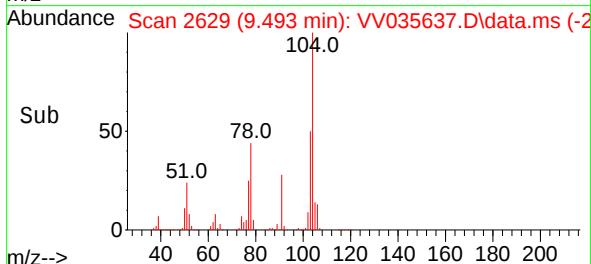
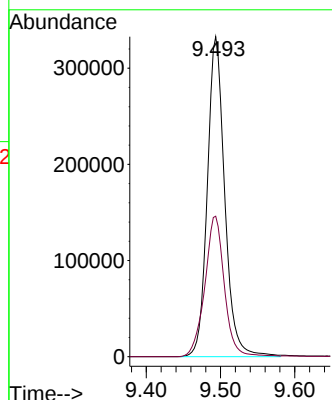
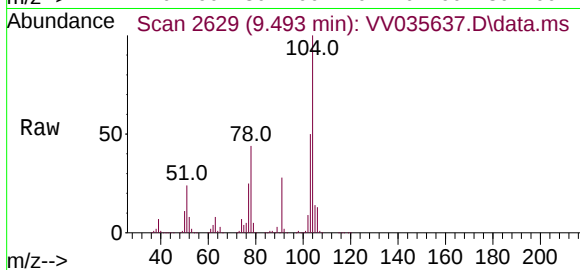
ClientSampleId :

Tgt Ion:104 Resp: 541994

Ion Ratio Lower Upper

104 100

78 43.9 30.0 55.6



#57

1,1,2,2-Tetrachloroethane

Concen: 25.394 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

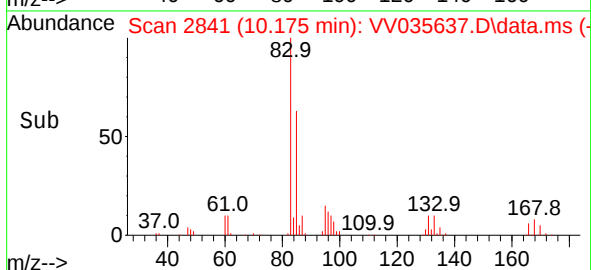
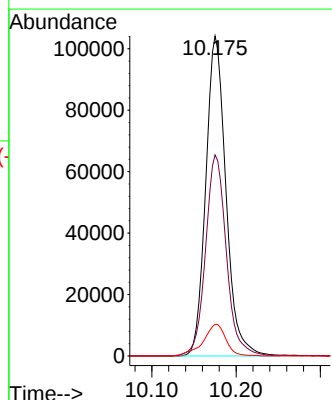
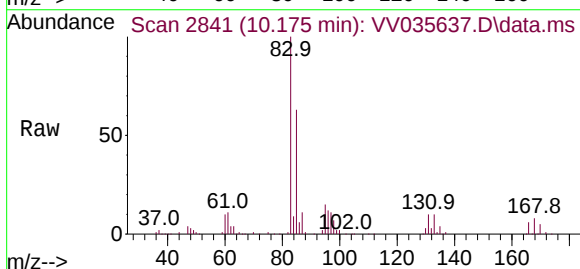
Tgt Ion: 83 Resp: 173734

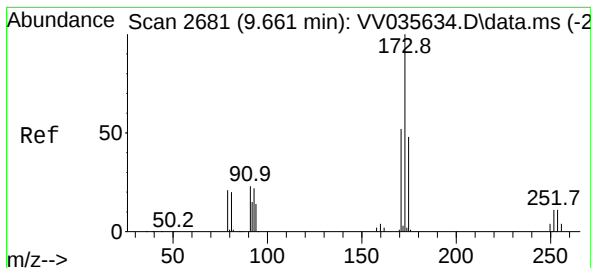
Ion Ratio Lower Upper

83 100

85 62.9 44.7 83.1

131 9.9 8.0 12.0





#59

Bromoform

Concen: 26.384 ug/L

RT: 9.664 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

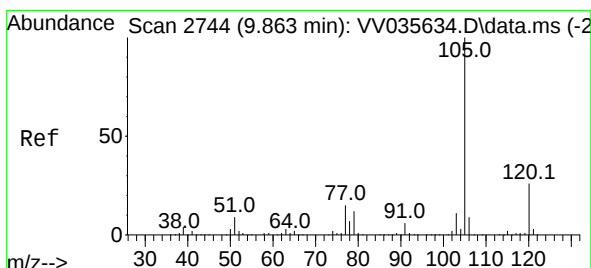
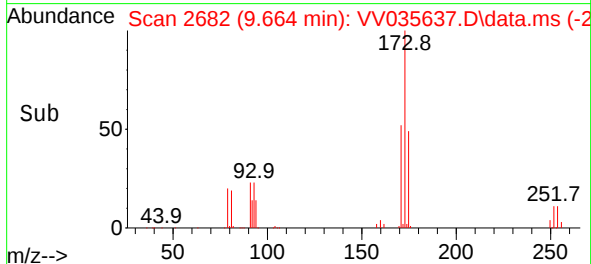
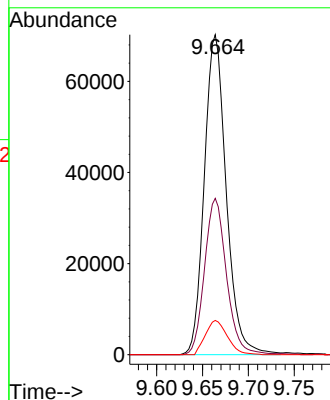
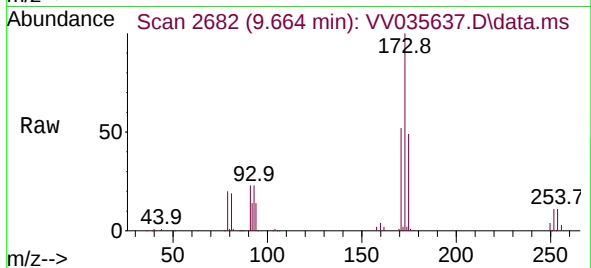
Tgt Ion:173 Resp: 117158

Ion Ratio Lower Upper

173 100

175 48.8 38.7 58.1

254 10.7 8.3 12.5



#60

Isopropylbenzene

Concen: 26.771 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

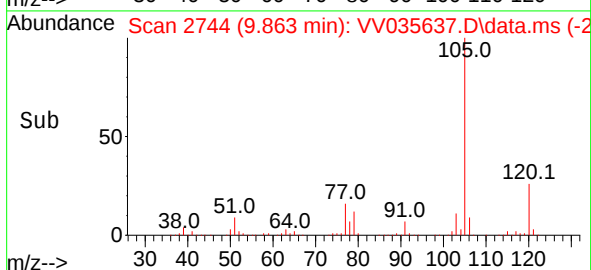
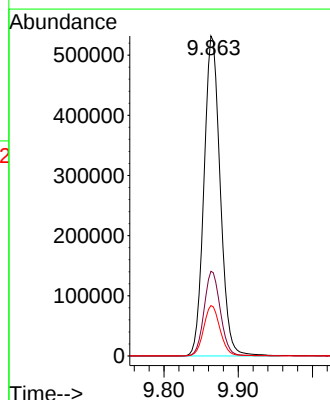
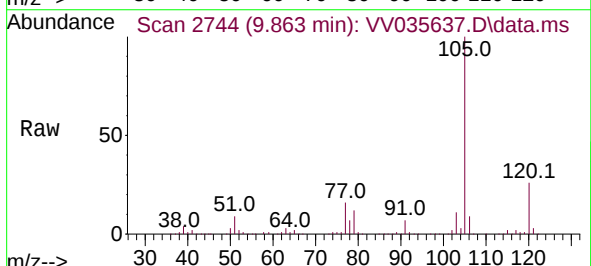
Tgt Ion:105 Resp: 805792

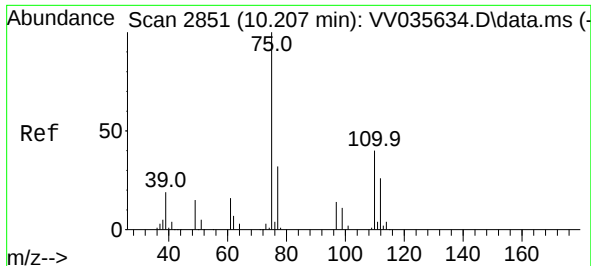
Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

77 15.8 12.2 18.2





#61

1,2,3-Trichloropropane

Concen: 28.262 ug/L

RT: 10.207 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

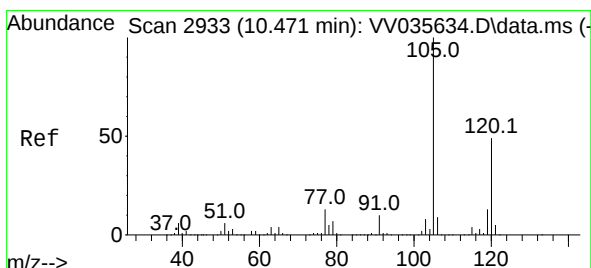
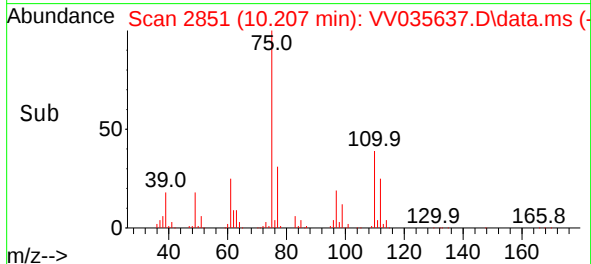
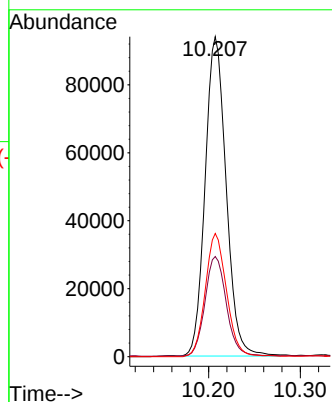
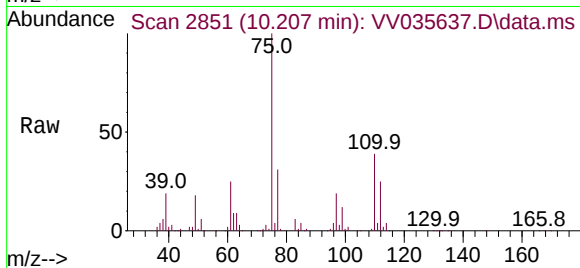
Tgt Ion: 75 Resp: 149645

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

110 38.8 31.8 47.8



#62

1,3,5-Trimethylbenzene

Concen: 27.476 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV035637.D

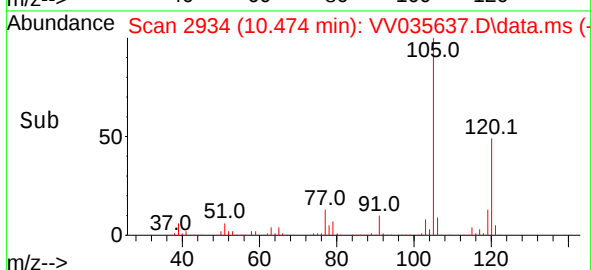
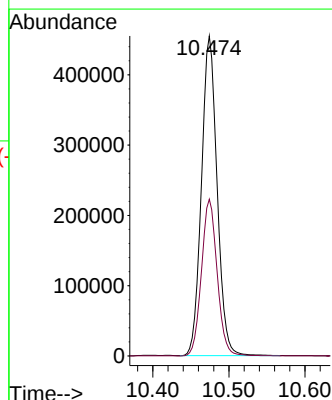
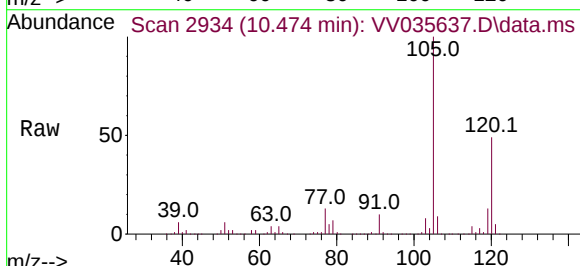
Acq: 21 May 2024 14:09

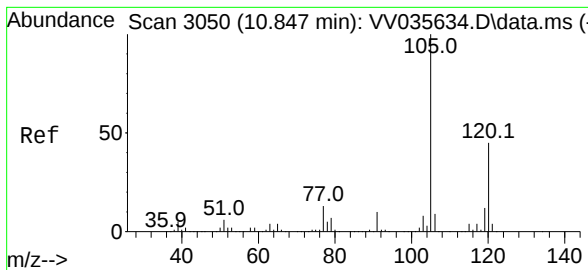
Tgt Ion:105 Resp: 648769

Ion Ratio Lower Upper

105 100

120 49.1 39.4 59.0

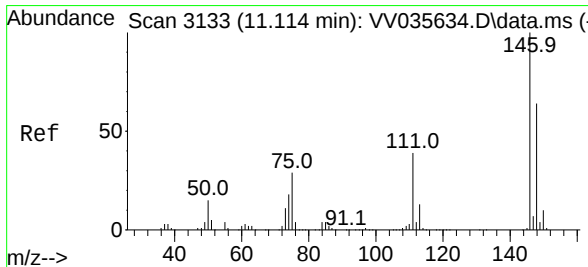
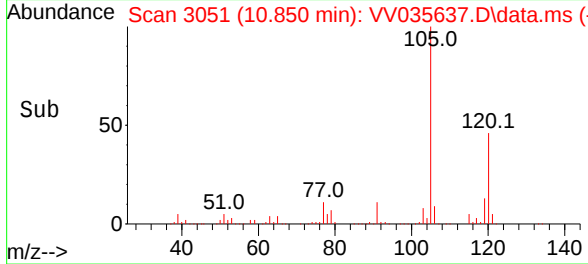
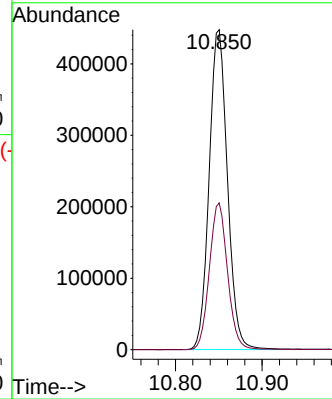
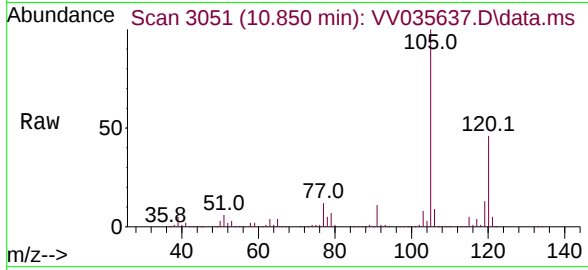




#63
 1,2,4-Trimethylbenzene
 Concen: 27.049 ug/L
 RT: 10.850 min Scan# 3050
 Delta R.T. 0.003 min
 Lab File: VV035637.D
 Acq: 21 May 2024 14:09

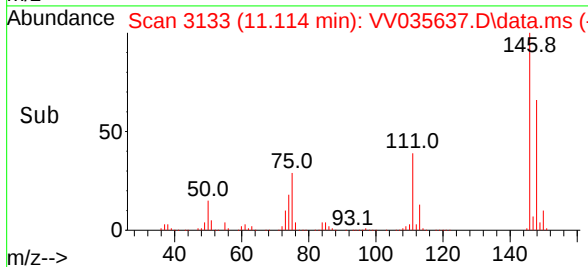
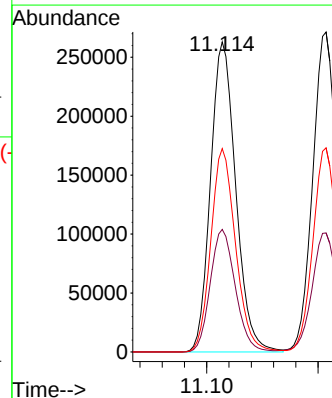
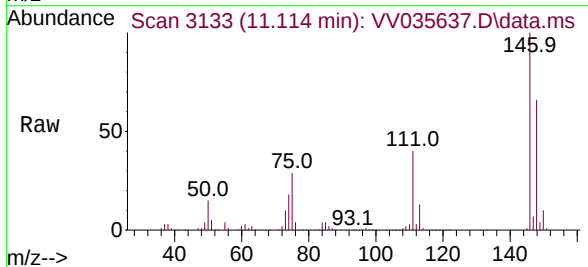
Instrument :
 MSVOA_V
 ClientSampleId :

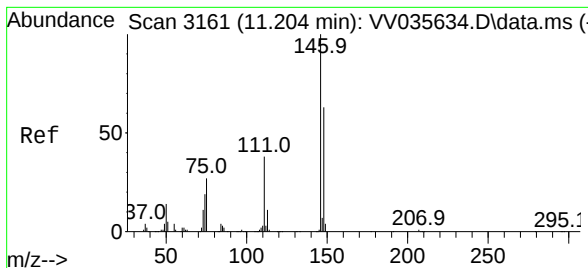
Tgt Ion:105 Resp: 656328
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.6 55.0



#64
 1,3-Dichlorobenzene
 Concen: 26.187 ug/L
 RT: 11.114 min Scan# 3133
 Delta R.T. -0.000 min
 Lab File: VV035637.D
 Acq: 21 May 2024 14:09

Tgt Ion:146 Resp: 413642
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.0 50.2
 148 65.6 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 26.061 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

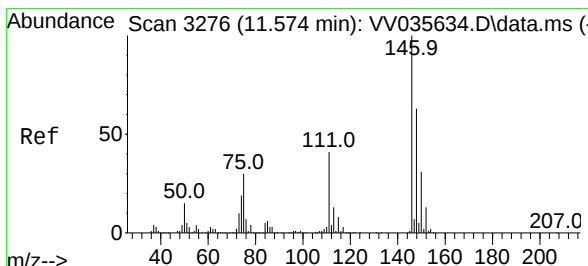
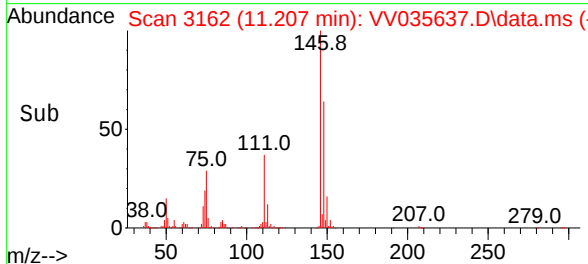
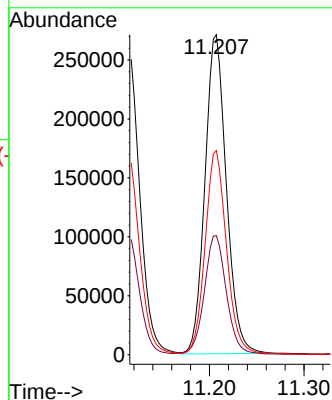
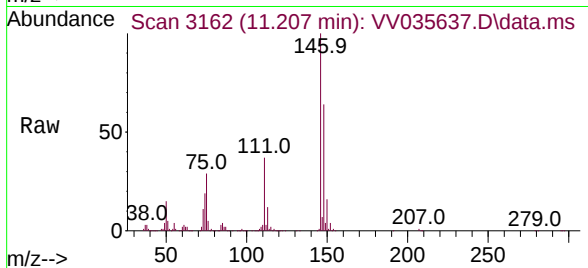
Tgt Ion:146 Resp: 426166

Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.6

148 63.8 44.9 83.3



#67

1,2-Dichlorobenzene

Concen: 26.554 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

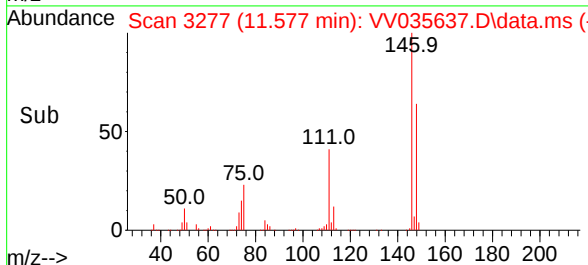
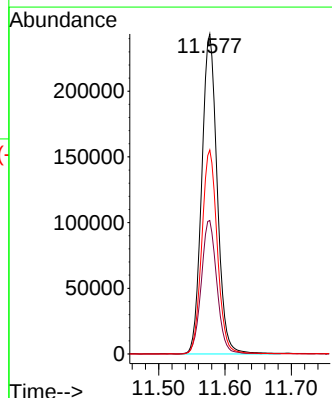
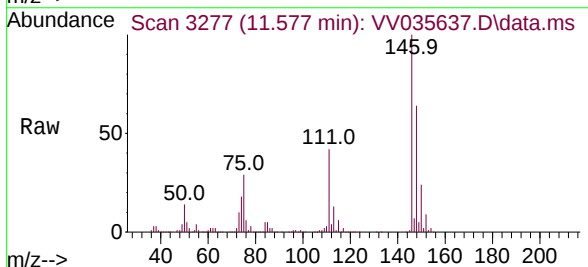
Tgt Ion:146 Resp: 394829

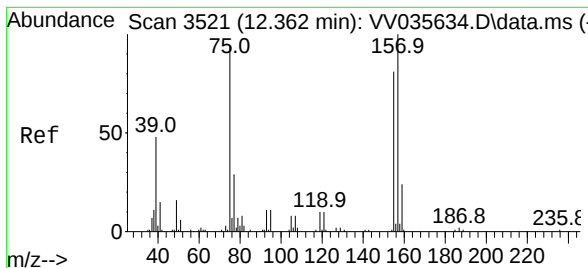
Ion Ratio Lower Upper

146 100

111 41.7 32.6 48.8

148 63.7 51.1 76.7





#68

1,2-Dibromo-3-chloropropane

Concen: 28.079 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

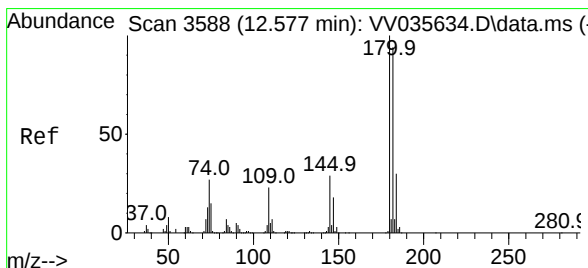
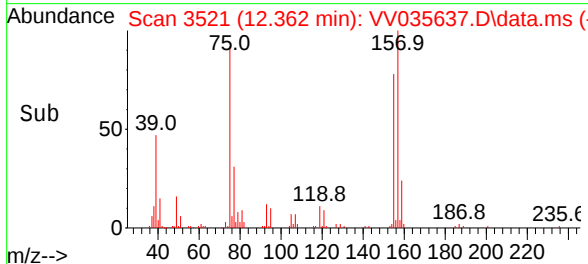
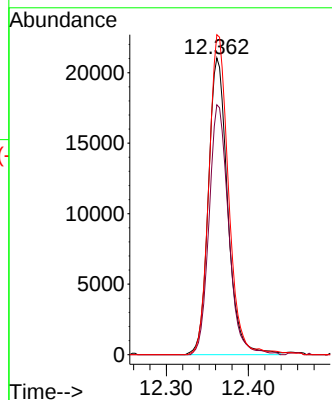
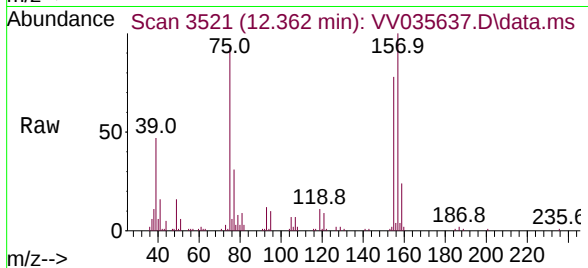
Tgt Ion: 75 Resp: 34481

Ion Ratio Lower Upper

75 100

155 84.2 69.8 104.6

157 107.8 95.0 142.6



#69

1,3,5-Trichlorobenzene

Concen: 24.945 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Tgt Ion:180 Resp: 307905

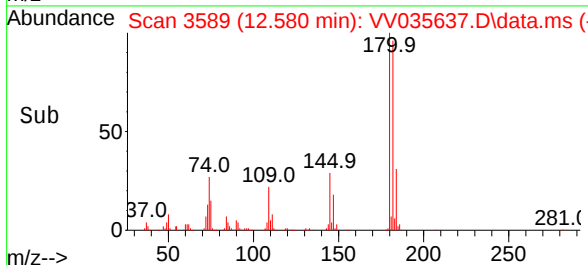
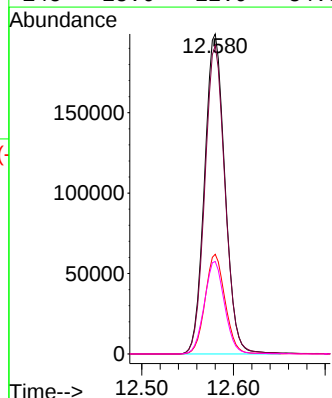
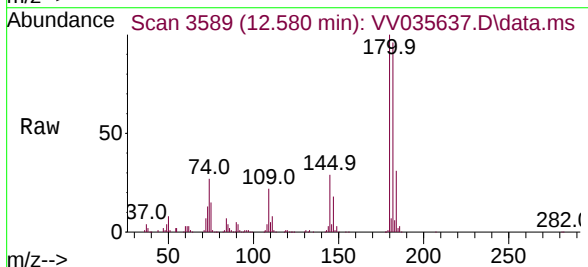
Ion Ratio Lower Upper

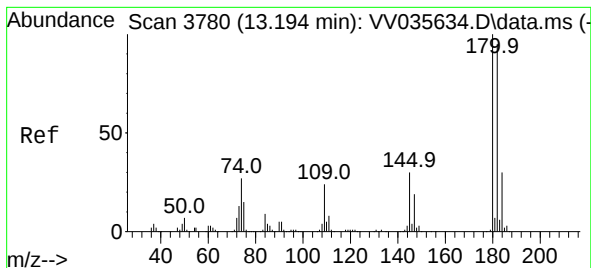
180 100

182 95.7 76.2 114.2

184 30.5 24.1 36.1

145 28.6 22.9 34.3





#70

1,2,4-trichlorobenzene

Concen: 24.564 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

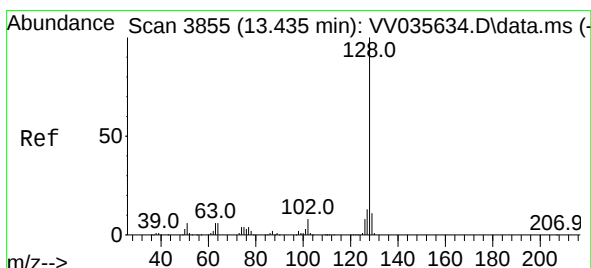
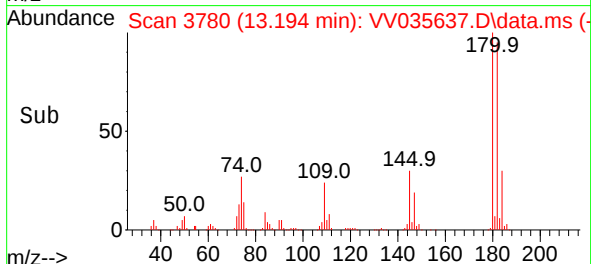
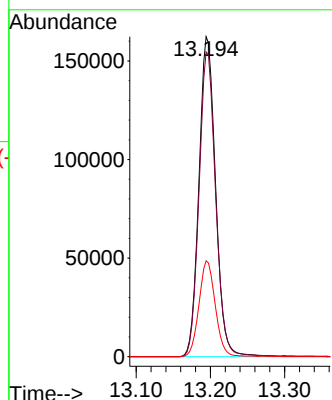
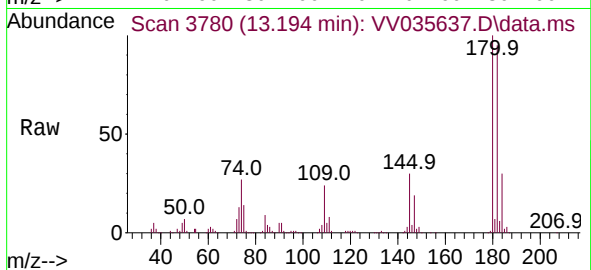
Tgt Ion:180 Resp: 253181

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 29.3 23.2 34.8



#71

Naphthalene

Concen: 23.949 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV035637.D

Acq: 21 May 2024 14:09

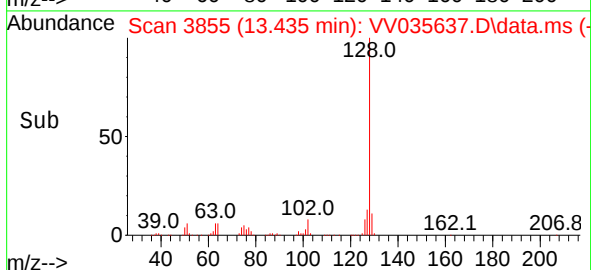
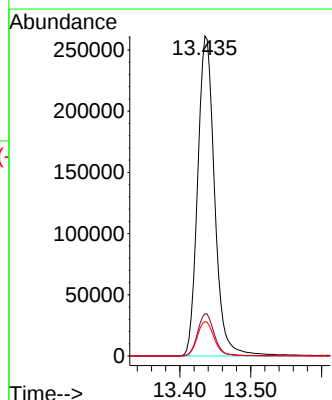
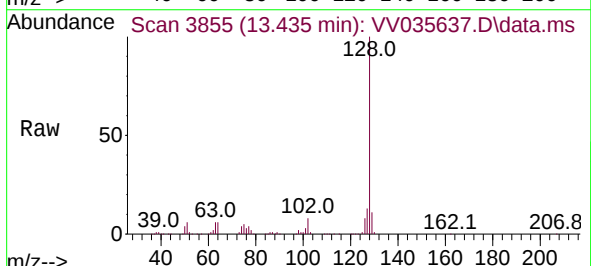
Tgt Ion:128 Resp: 433347

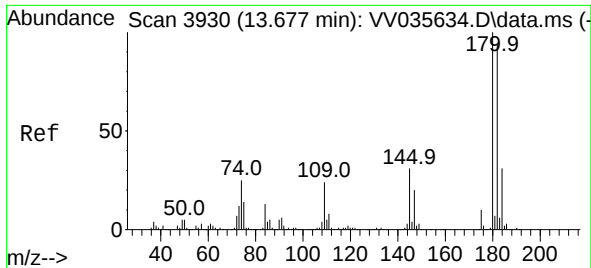
Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.7 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 26.041 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. -0.000 min

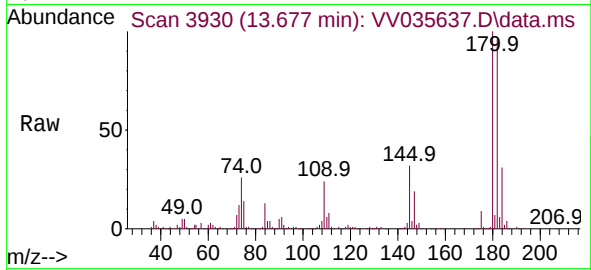
Lab File: VV035637.D

Acq: 21 May 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 241464

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 31.8 25.2 37.8

