

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052124\
 Data File : VV035657.D
 Acq On : 21 May 2024 22:32
 Operator : SY/MD
 Sample : P2547-13
 Misc : 6.00g/10.0mL/MSVOA_V/SOIL/VIAL A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 02:40:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:35:18 2024
 Response via : Initial Calibration

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

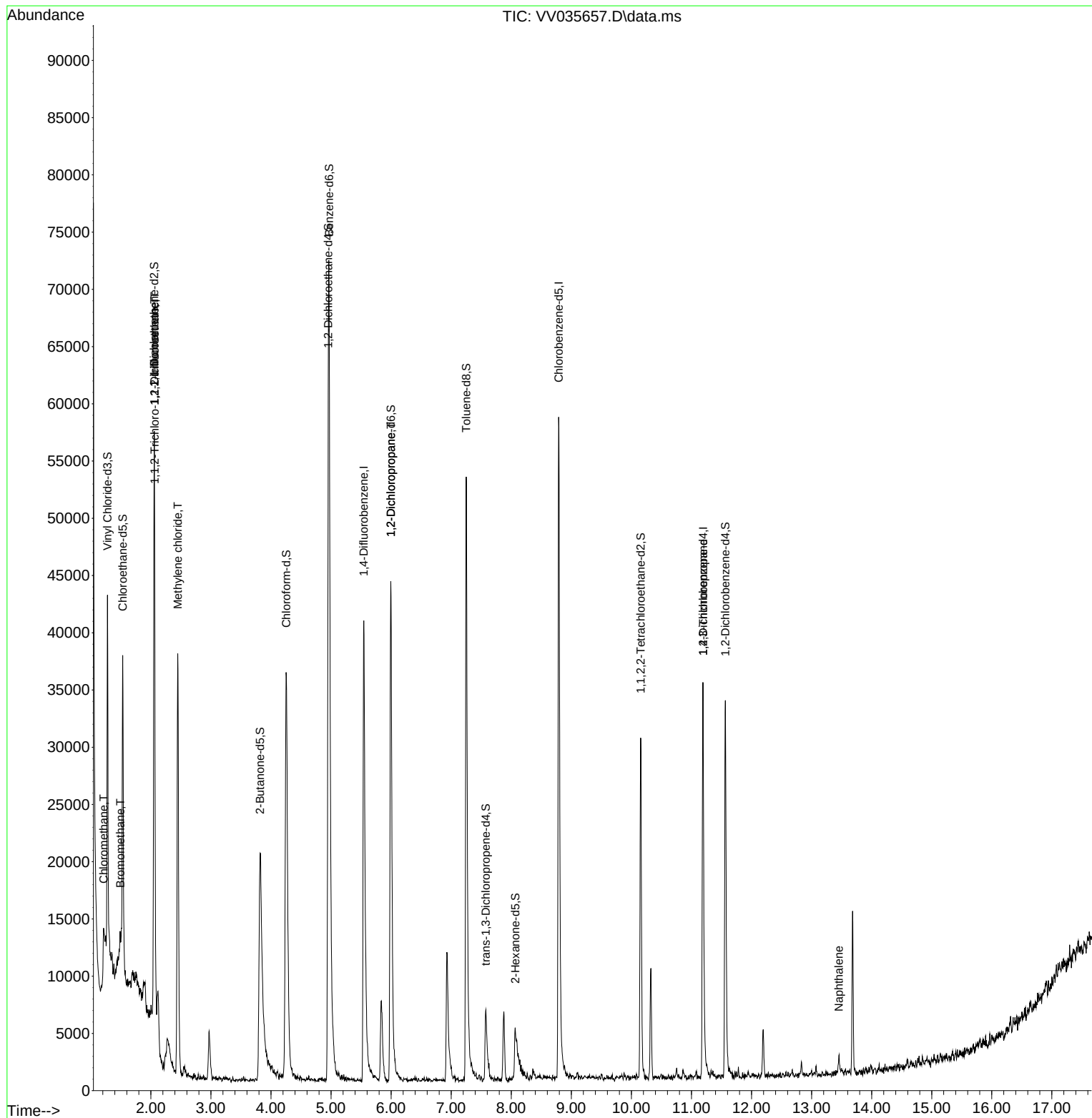
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	41812	25.000	ug/L	0.01
28) Chlorobenzene-d5	8.793	117	36193	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	10944	25.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	19119	29.584	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.320%
7) Chloroethane-d5	1.532	69	17438	33.447	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	133.800%
11) 1,1-Dichloroethene-d2	2.057	65	8628	30.157	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	120.640%#
21) 2-Butanone-d5	3.819	46	216	1.178	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	2.360%#
24) Chloroform-d	4.253	84	42661	34.320	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	137.280%
26) 1,2-Dichloroethane-d4	4.954	65	21597	35.145	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	140.560%#
32) Benzene-d6	4.966	84	64250	32.430	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	129.720%
36) 1,2-Dichloropropane-d6	5.995	67	22871	37.407	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	149.640%#
41) Toluene-d8	7.249	98	40697	23.081	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.320%
43) trans-1,3-Dichloroprop...	7.577	79	5226	19.986	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.960%
47) 2-Hexanone-d5	8.066	63	1592	14.480	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	28.960%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	16019	27.190	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.760%
66) 1,2-Dichlorobenzene-d4	11.564	152	10030	26.408	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.640%
Target Compounds						Qvalue
3) Chloromethane	1.214	50	1744	2.043	ug/L	96
6) Bromomethane	1.491	94	544	0.974	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	329	0.453	ug/L #	20
12) 1,1-Dichloroethene	2.060	96	409	0.624	ug/L #	1
16) Methylene chloride	2.449	84	16353	16.961	ug/L	96
37) 1,2-Dichloropropane	5.995	63	2387	3.819	ug/L #	86
61) 1,2,3-Trichloropropane	11.194	75	1139	4.441	ug/L #	56
71) Naphthalene	13.455	128	2109	2.406	ug/L #	94

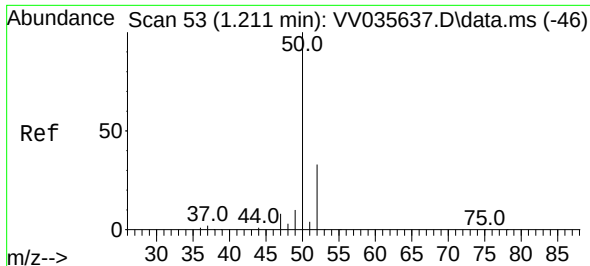
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed May 22 02:35:18 2024
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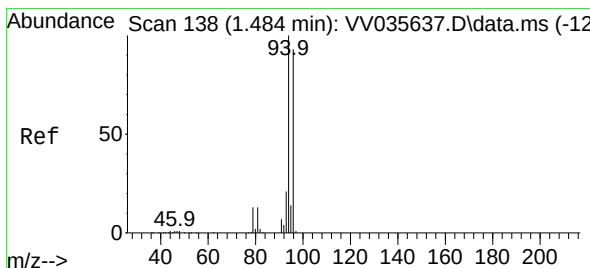
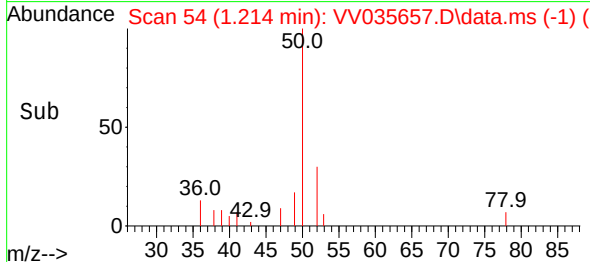
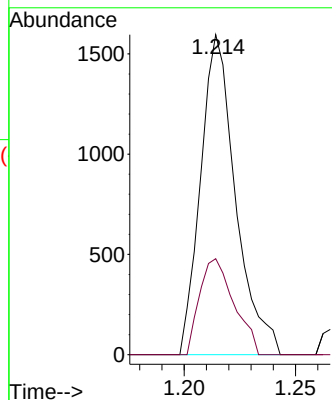
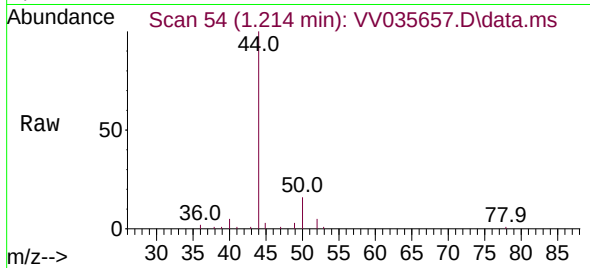




#3
Chloromethane
Concen: 2.043 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.003 min
Lab File: VV035657.D
Acq: 21 May 2024 22:32

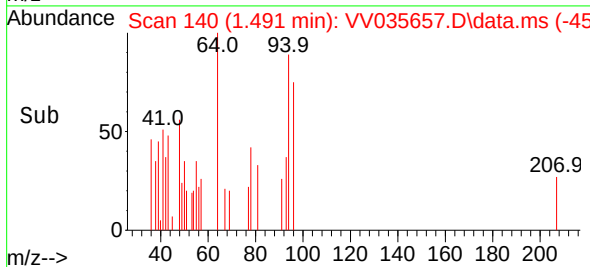
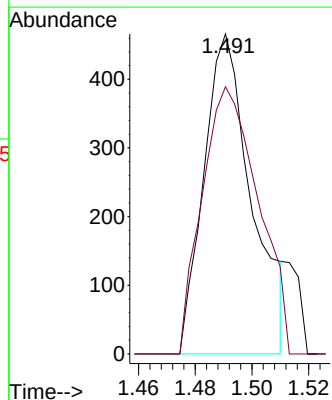
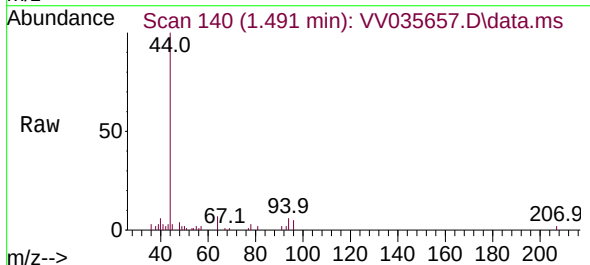
Instrument :
MSVOA_V
ClientSampleId :

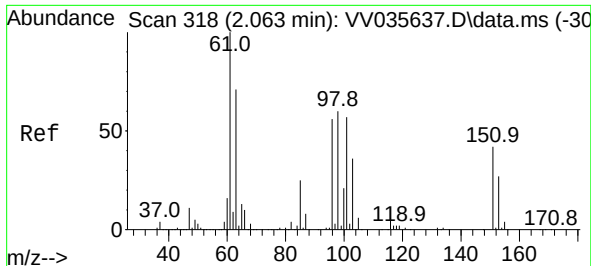
Tgt Ion: 50 Resp: 1744
Ion Ratio Lower Upper
50 100
52 30.0 22.7 42.1



#6
Bromomethane
Concen: 0.974 ug/L
RT: 1.491 min Scan# 140
Delta R.T. 0.007 min
Lab File: VV035657.D
Acq: 21 May 2024 22:32

Tgt Ion: 94 Resp: 544
Ion Ratio Lower Upper
94 100
96 83.5 65.2 121.0





#10

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

Concen: 0.453 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035657.D

Acq: 21 May 2024 22:32

Instrument :

MSVOA_V

ClientSampleId :

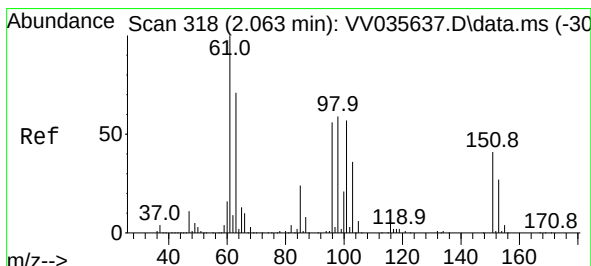
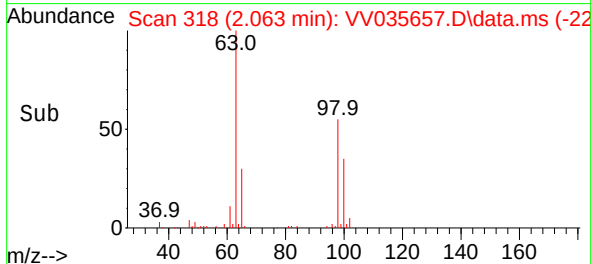
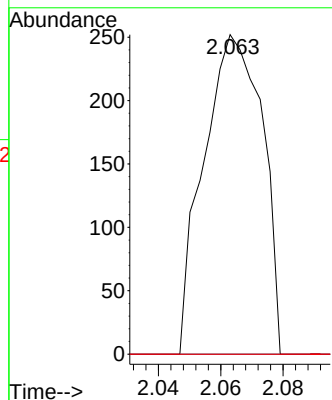
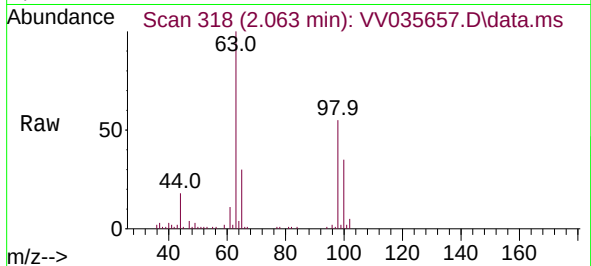
Tgt Ion:101 Resp: 329

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

151 0.0 59.5 89.3#



#12

1,1-Dichloroethene

Concen: 0.624 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV035657.D

Acq: 21 May 2024 22:32

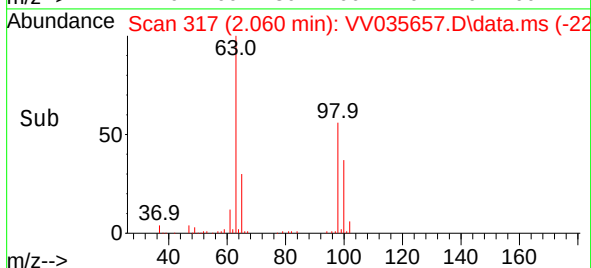
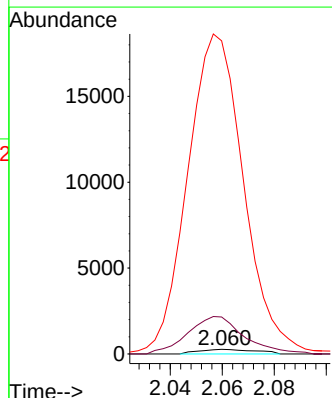
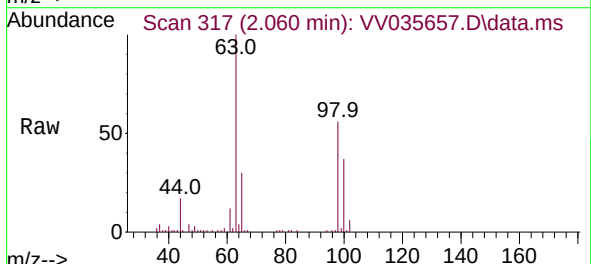
Tgt Ion: 96 Resp: 409

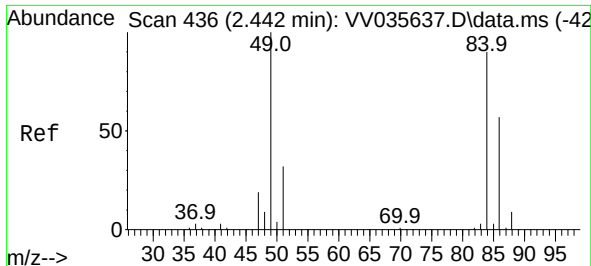
Ion Ratio Lower Upper

96 100

61 800.0 119.8 222.4#

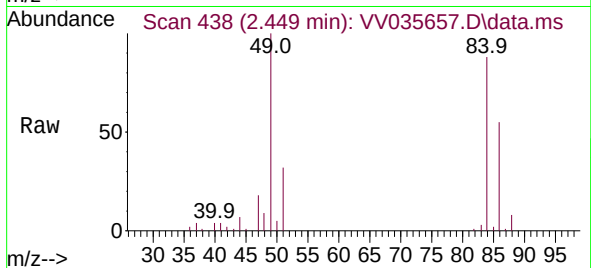
63 6777.7 75.6 140.4#



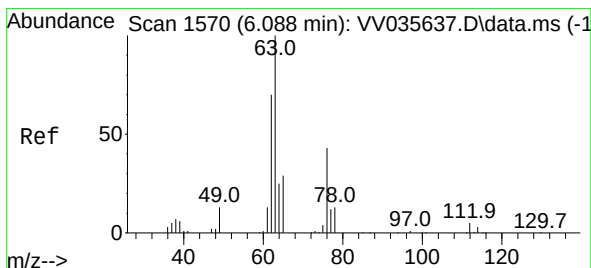
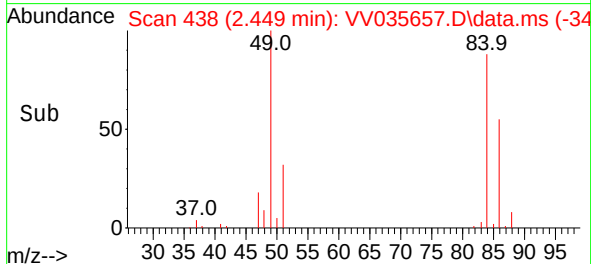
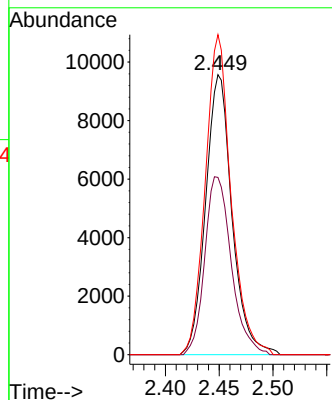


#16
Methylene chloride
Concen: 16.961 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.007 min
Lab File: VV035657.D
Acq: 21 May 2024 22:32

Instrument :
MSVOA_V
ClientSampleId :

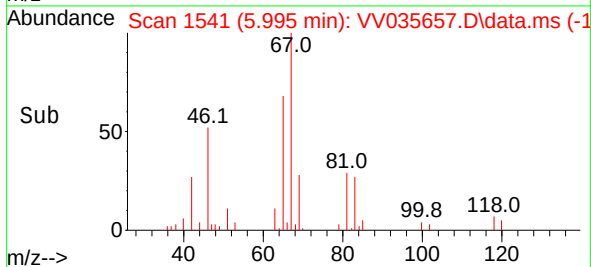
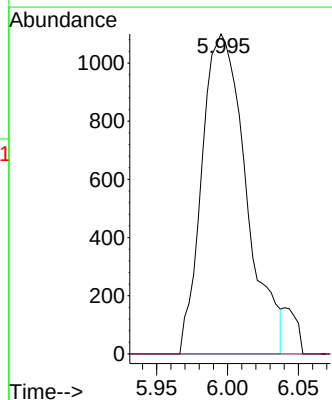
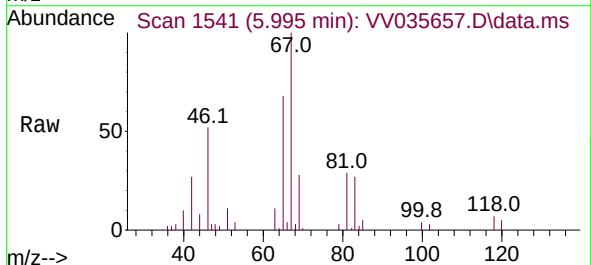


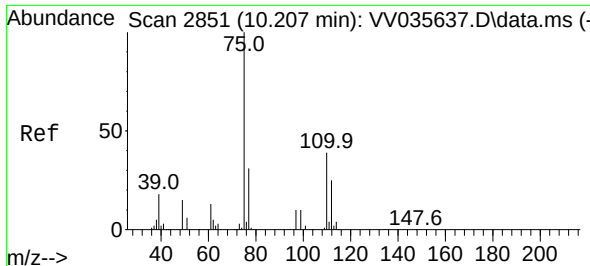
Tgt Ion: 84 Resp: 16353
Ion Ratio Lower Upper
84 100
86 63.3 43.8 81.3
49 114.3 75.3 139.9



#37
1,2-Dichloropropane
Concen: 3.819 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.093 min
Lab File: VV035657.D
Acq: 21 May 2024 22:32

Tgt Ion: 63 Resp: 2387
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#61

1,2,3-Trichloropropane

Concen: 4.441 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.987 min

Lab File: VV035657.D

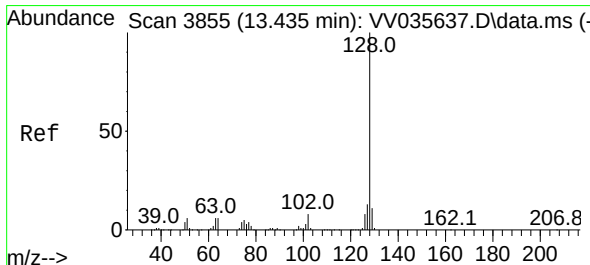
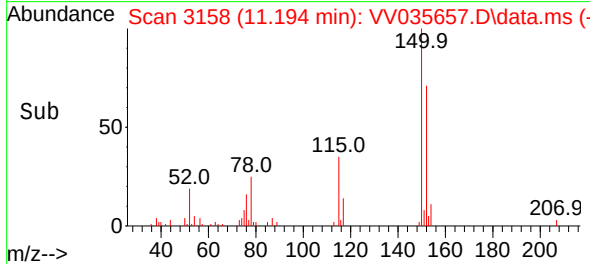
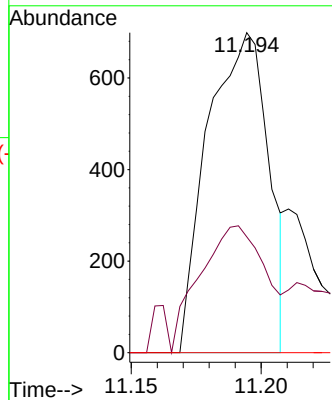
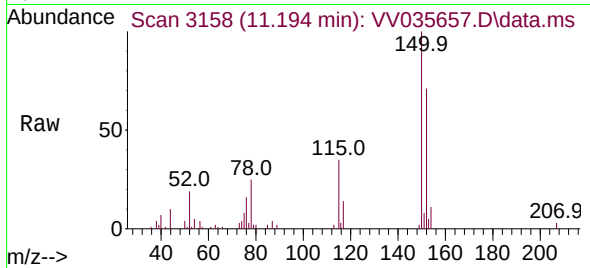
Acq: 21 May 2024 22:32

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75	Resp:	1139
Ion Ratio	Lower	Upper
75	100	
77	43.0	25.7 38.5#
110	0.0	31.8 47.8#



#71

Naphthalene

Concen: 2.406 ug/L

RT: 13.455 min Scan# 3861

Delta R.T. 0.019 min

Lab File: VV035657.D

Acq: 21 May 2024 22:32

Tgt Ion: 128	Resp:	2109
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.4 15.6
129	6.1	8.6 13.0#

