

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091924\
 Data File : VV037412.D
 Acq On : 20 Sep 2024 03:55
 Operator : SY/MD
 Sample : P3994-11
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 20 05:12:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 03:11:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	299626	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	317427	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	149283	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	61086	3.475	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.600%
7) Chloroethane-d5	1.529	69	77888	4.250	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.053	65	35865	3.951	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	3.793	46	293140	55.800	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.600%
24) Chloroform-d	4.243	84	213940	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	4.940	65	98609	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.953	84	376524	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	5.989	67	130463	4.929	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.239	98	306970	4.003	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
43) trans-1,3-Dichloroprop...	7.561	79	28654	3.291	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.800%
46) 2-Hexanone-d5	8.024	63	228698	53.766	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.540%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	111562	5.172	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	132372	4.988	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.278	62	43220	1.481	ug/L #	80
8) Chloroethane	1.352	64	102687	5.851	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	74540	3.390	ug/L	99
12) 1,1-Dichloroethene	2.063	96	627395	29.880	ug/L #	77
17) Methyl tert-butyl Ether	2.703	73	16883	0.338	ug/L	92
18) trans-1,2-Dichloroethene	2.690	96	87276	3.951	ug/L	93
19) 1,1-Dichloroethane	3.105	63	386325	9.158	ug/L	99
22) cis-1,2-Dichloroethene	3.802	96	4090841	171.292	ug/L	99
25) Chloroform	4.268	83	220685	5.193	ug/L	98
29) 1,1,1-Trichloroethane	4.506	97	8513	0.226	ug/L #	88
31) Carbon tetrachloride	4.735	117	9823	0.307	ug/L	94
33) Benzene	5.011	78	29440	0.308	ug/L	100
35) Methylcyclohexane	5.850	83	982454	25.075	ug/L #	1
37) 1,2-Dichloropropane	5.989	63	12508	0.514	ug/L #	93
45) 1,1,2-Trichloroethane	7.773	97	17296	0.993	ug/L	96
47) Tetrachloroethene	7.899	164	1034354	56.074	ug/L	99
49) Dibromochloromethane	7.899	129	959325	52.576	ug/L #	11
57) 1,1,2,2-Tetrachloroethane	10.175	83	6059	0.288	ug/L #	98
60) Isopropylbenzene	9.866	105	12174	0.122	ug/L	93

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Sep 20 03:11:07 2024
Response via : Initial Calibration

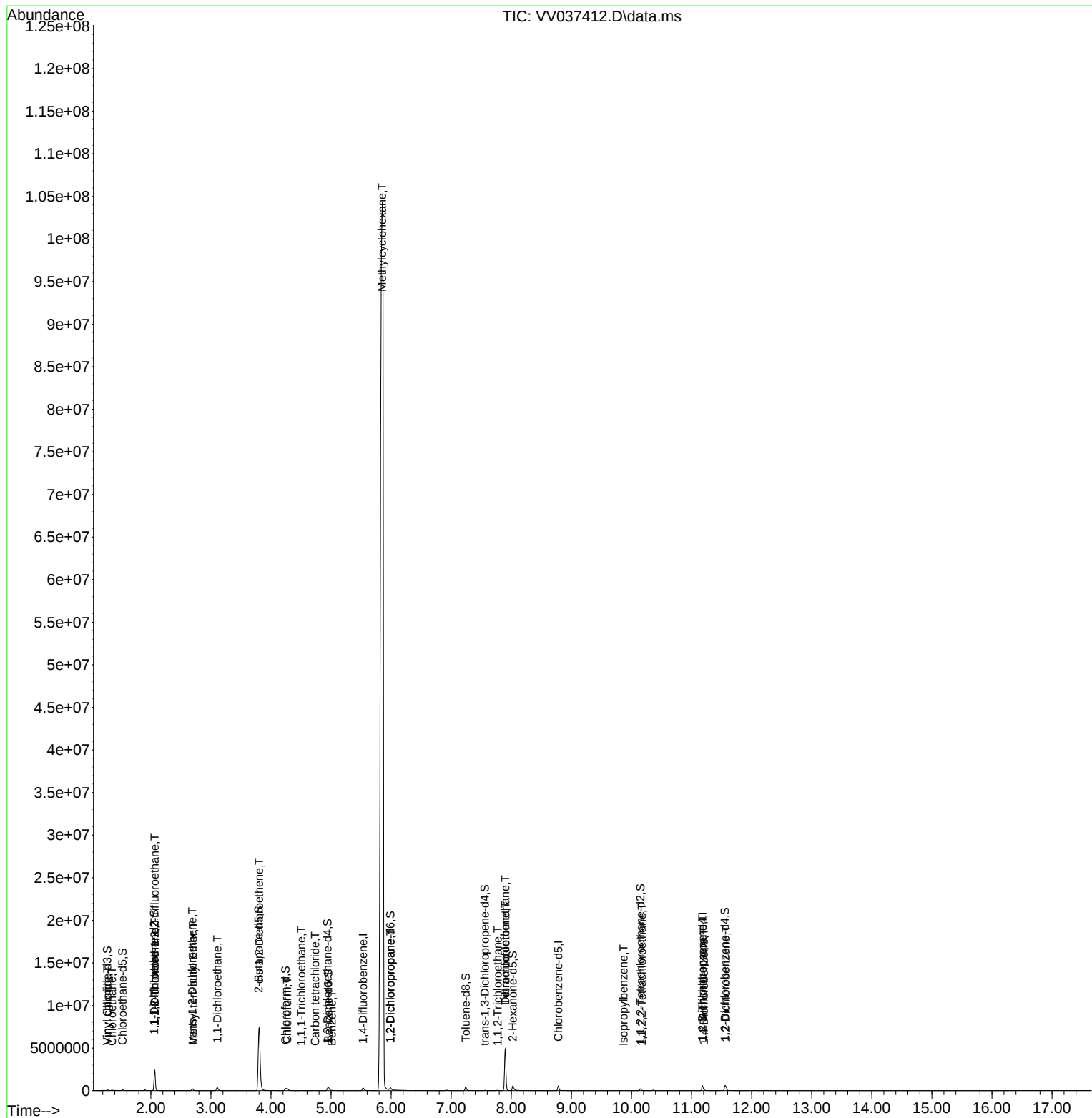
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.181	75	29220	2.151	ug/L #	62
65) 1,4-Dichlorobenzene	11.204	146	33347	0.688	ug/L	93
67) 1,2-Dichlorobenzene	11.574	146	153398	3.503	ug/L	99

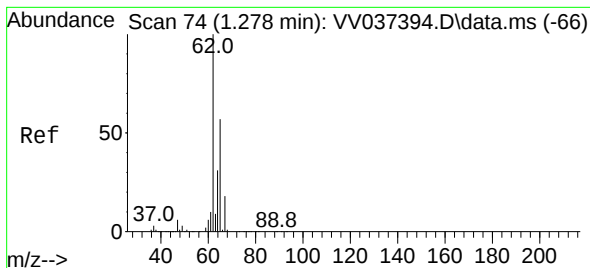
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.481 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.000 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

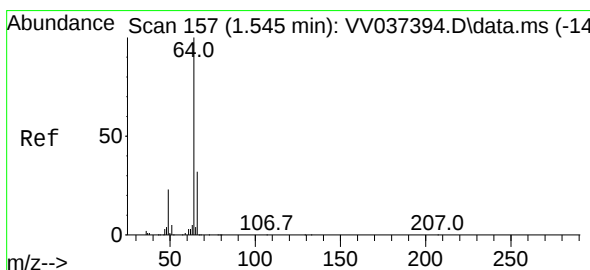
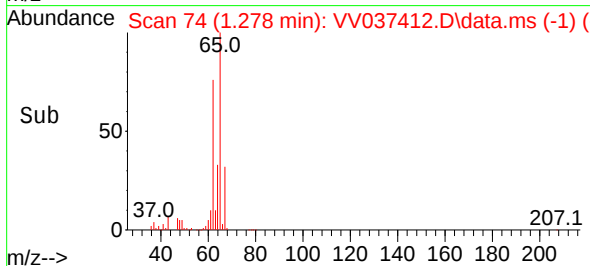
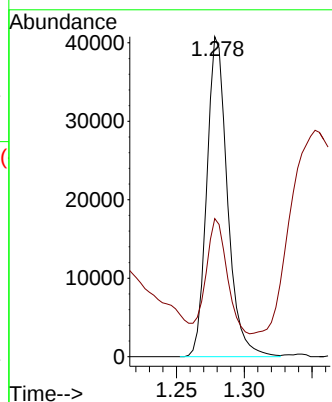
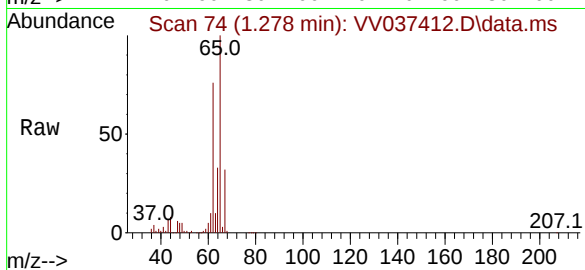
ClientSampleId :

Tgt Ion: 62 Resp: 43220

Ion Ratio Lower Upper

62 100

64 43.2 22.4 41.6#



#8

Chloroethane

Concen: 5.851 ug/L

RT: 1.352 min Scan# 97

Delta R.T. -0.193 min

Lab File: VV037412.D

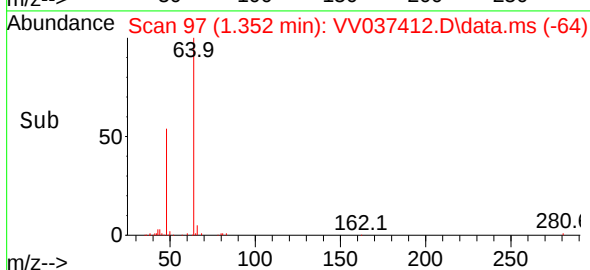
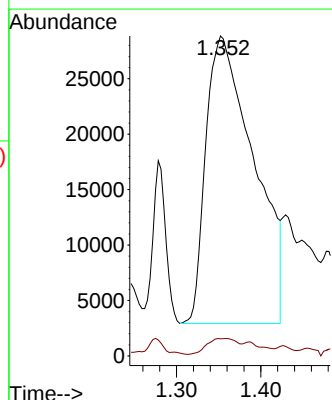
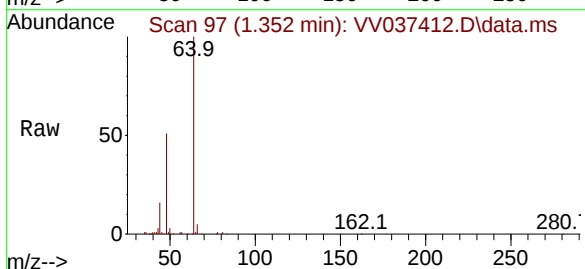
Acq: 20 Sep 2024 03:55

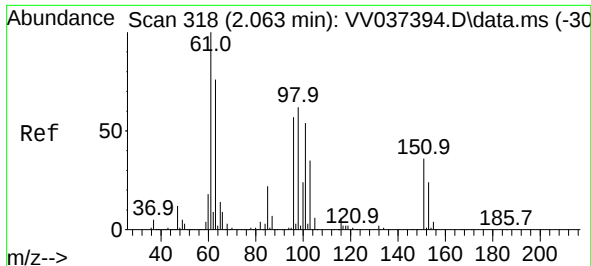
Tgt Ion: 64 Resp: 102687

Ion Ratio Lower Upper

64 100

66 5.4 22.7 42.1#

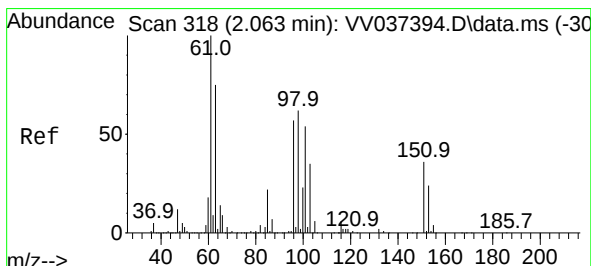
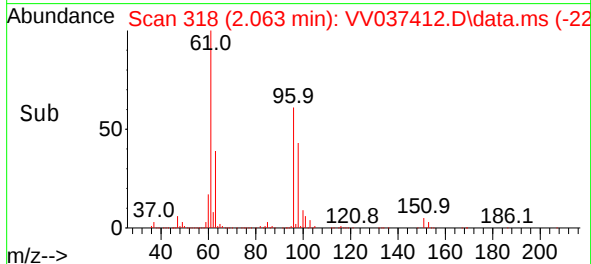
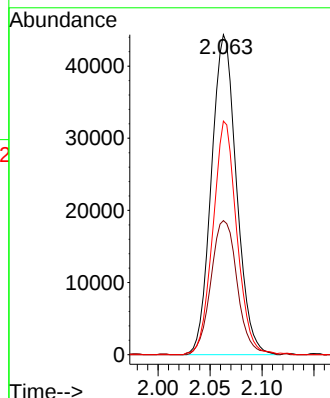
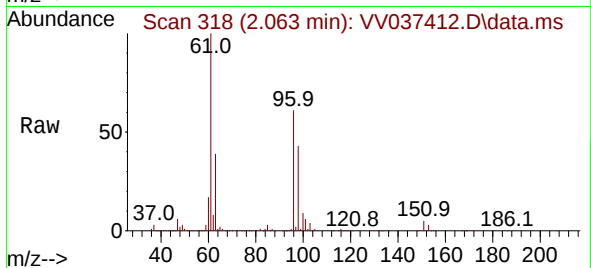




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.390 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV037412.D
 Acq: 20 Sep 2024 03:55

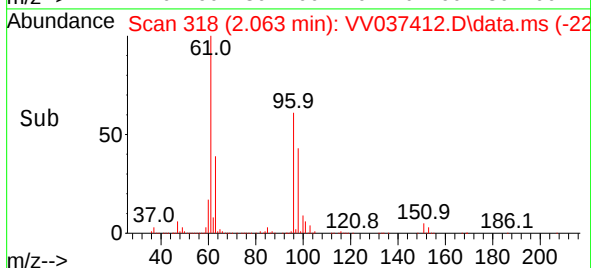
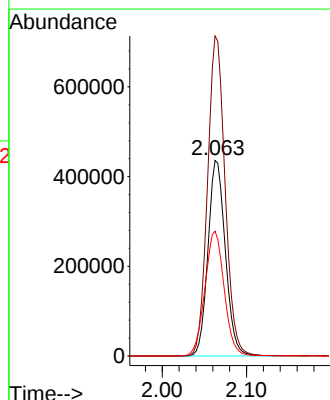
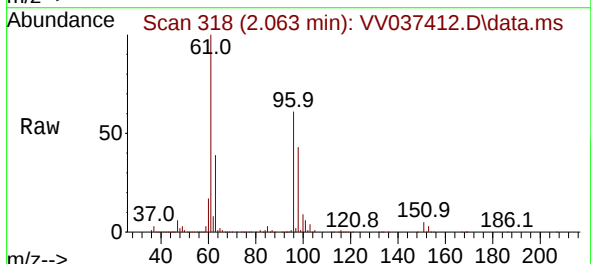
Instrument :
 MSVOA_V
 ClientSampleId :

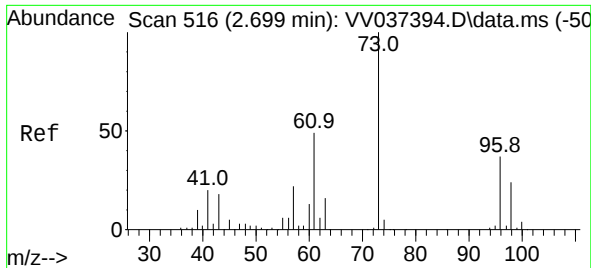
Tgt Ion:101 Resp: 74540
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.1 52.7
 151 69.8 55.3 82.9



#12
 1,1-Dichloroethene
 Concen: 29.880 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV037412.D
 Acq: 20 Sep 2024 03:55

Tgt Ion: 96 Resp: 627395
 Ion Ratio Lower Upper
 96 100
 61 163.6 119.9 222.7
 63 63.9 81.4 151.2#





#17

Methyl tert-butyl Ether

Concen: 0.338 ug/L

RT: 2.703 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

ClientSampleId :

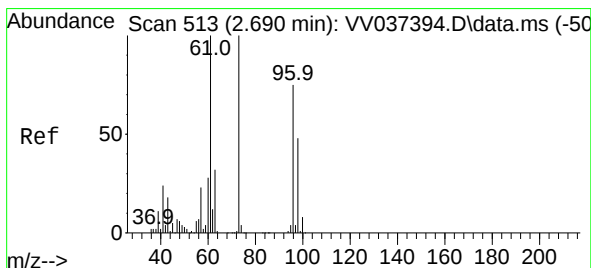
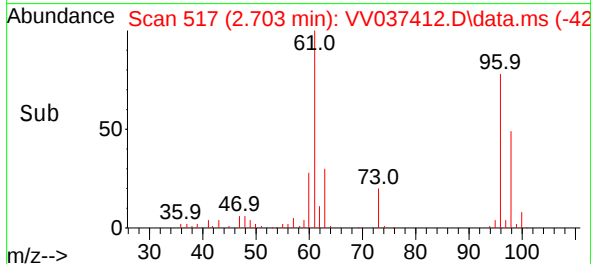
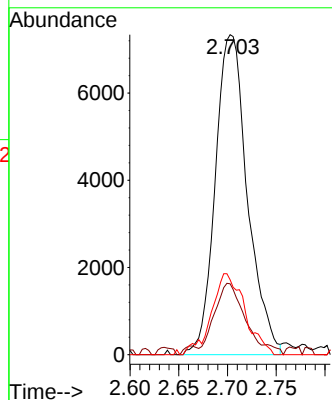
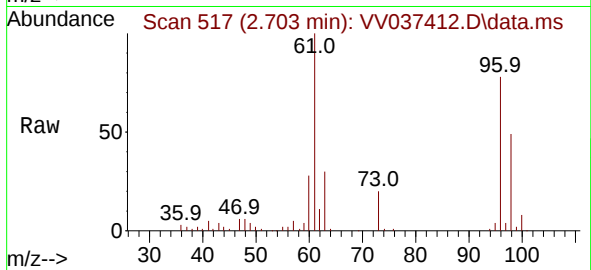
Tgt Ion: 73 Resp: 16883

Ion Ratio Lower Upper

73 100

43 21.6 14.5 21.7

57 26.2 17.7 26.5



#18

trans-1,2-Dichloroethene

Concen: 3.951 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

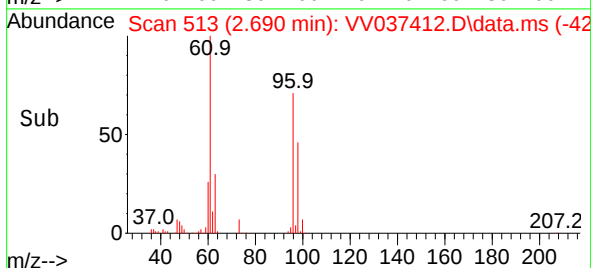
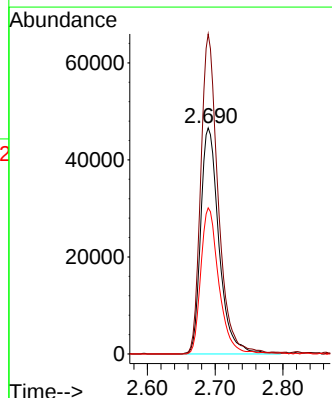
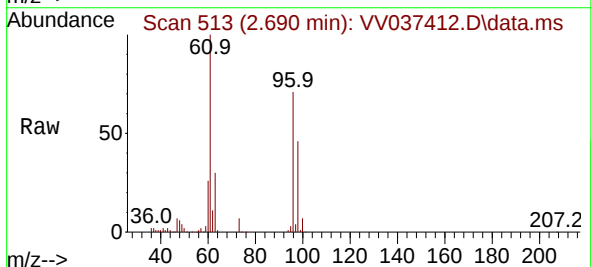
Tgt Ion: 96 Resp: 87276

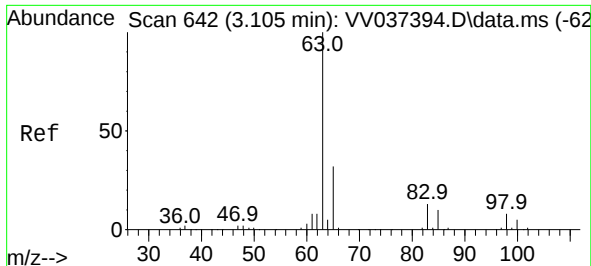
Ion Ratio Lower Upper

96 100

61 141.6 92.8 172.4

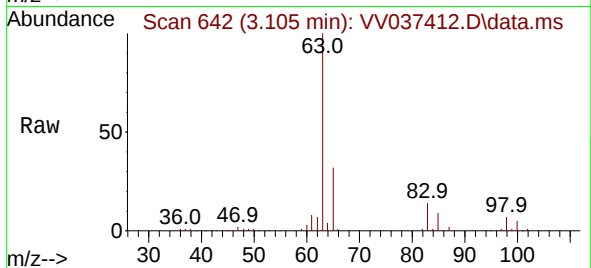
98 64.6 43.0 79.8



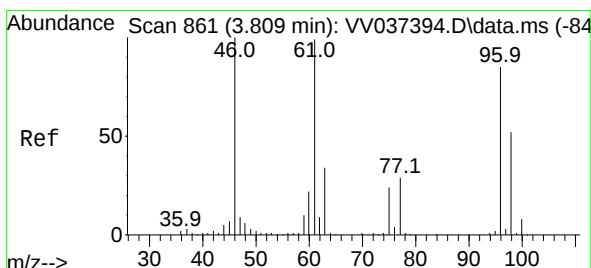
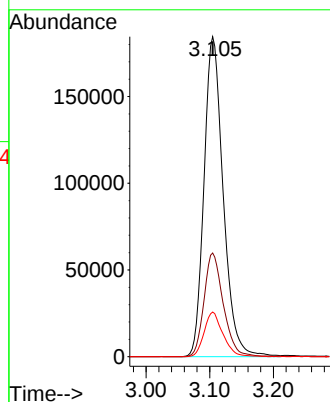
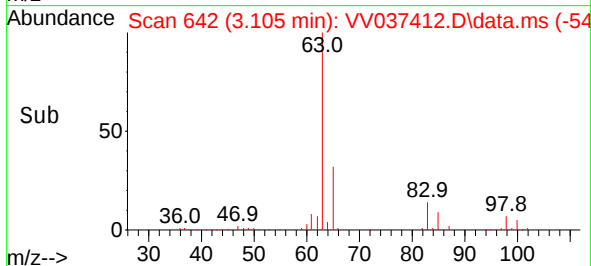


#19
1,1-Dichloroethane
Concen: 9.158 ug/L
RT: 3.105 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Instrument :
MSVOA_V
ClientSampleId :

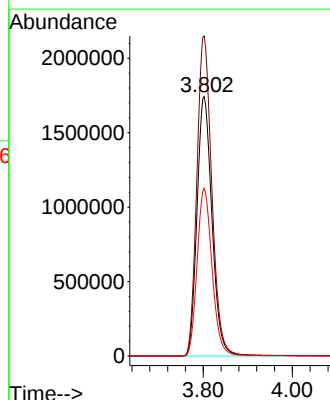
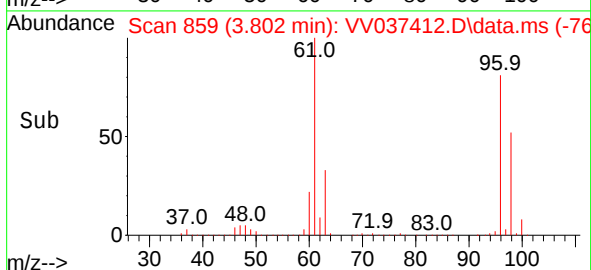
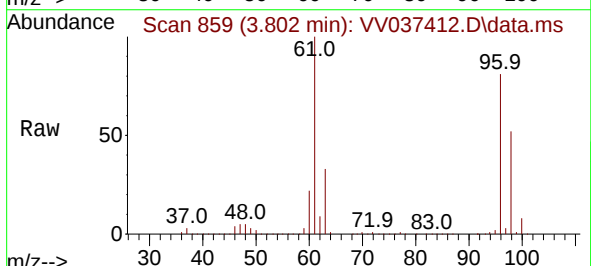


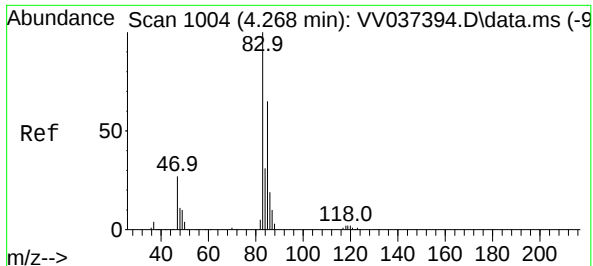
Tgt Ion: 63 Resp: 386325
Ion Ratio Lower Upper
63 100
65 32.4 22.5 41.7
83 13.9 8.9 16.5



#22
cis-1,2-Dichloroethene
Concen: 171.292 ug/L
RT: 3.802 min Scan# 859
Delta R.T. -0.006 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Tgt Ion: 96 Resp: 4090841
Ion Ratio Lower Upper
96 100
61 123.4 87.6 162.6
98 64.6 44.9 83.5





#25

Chloroform

Concen: 5.193 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

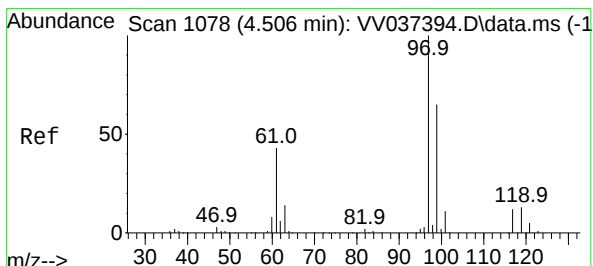
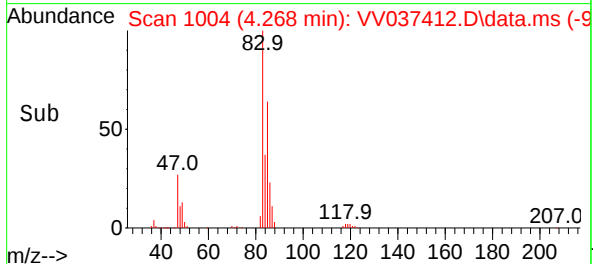
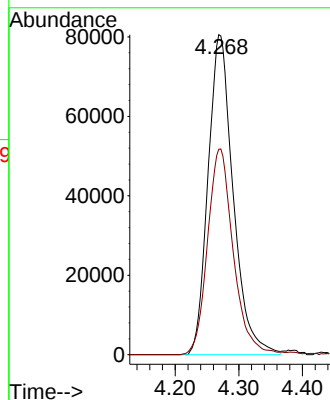
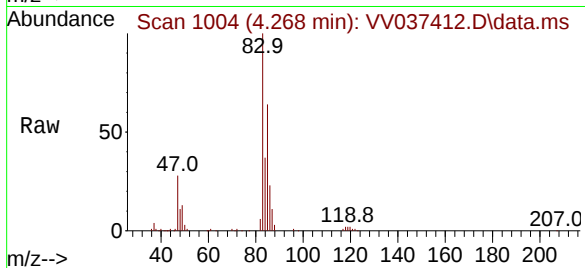
ClientSampleId :

Tgt Ion: 83 Resp: 220685

Ion Ratio Lower Upper

83 100

85 64.2 43.8 81.4



#29

1,1,1-Trichloroethane

Concen: 0.226 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

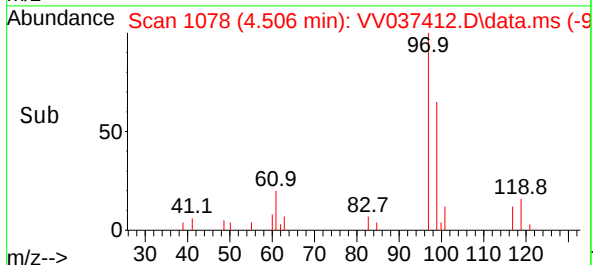
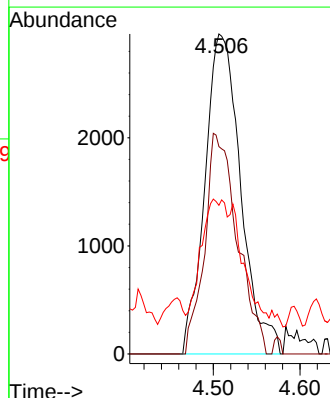
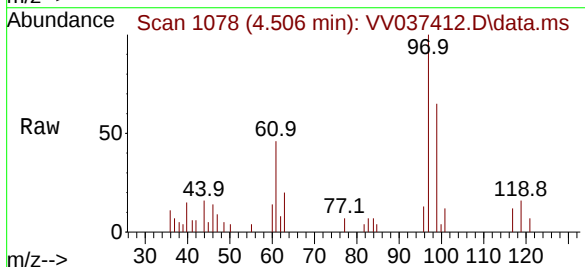
Tgt Ion: 97 Resp: 8513

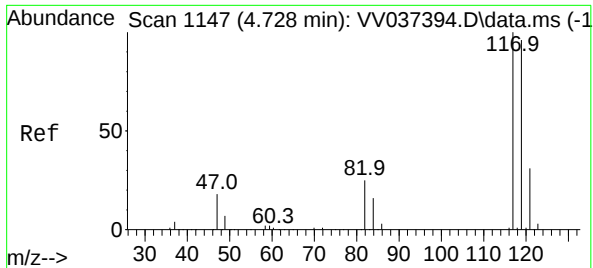
Ion Ratio Lower Upper

97 100

99 63.0 50.0 75.0

61 24.7 34.3 51.5#

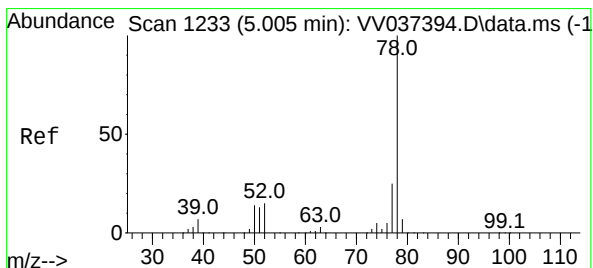
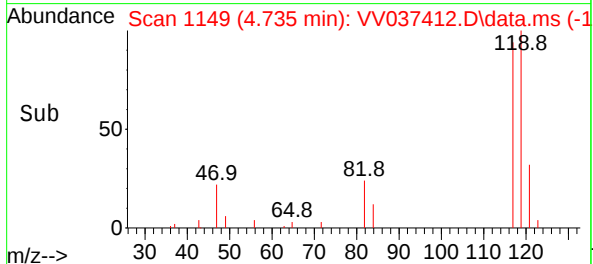
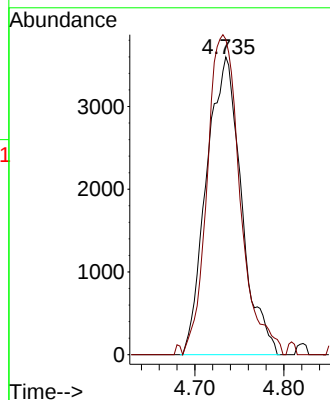
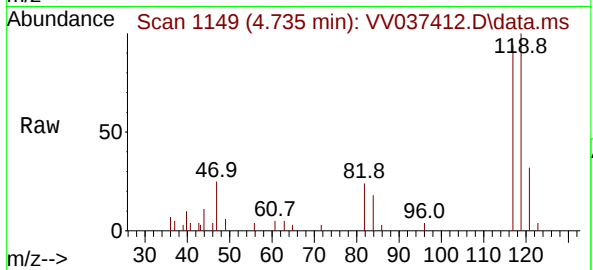




#31
Carbon tetrachloride
Concen: 0.307 ug/L
RT: 4.735 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

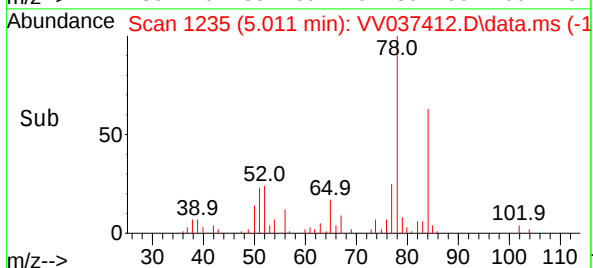
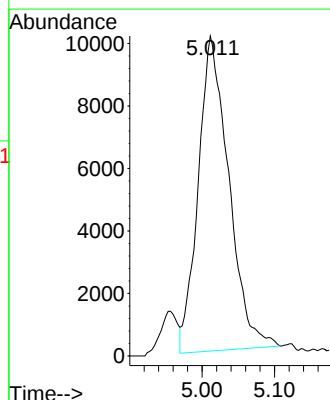
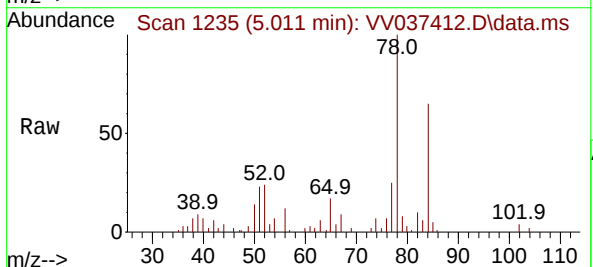
Instrument :
MSVOA_V
ClientSampleId :

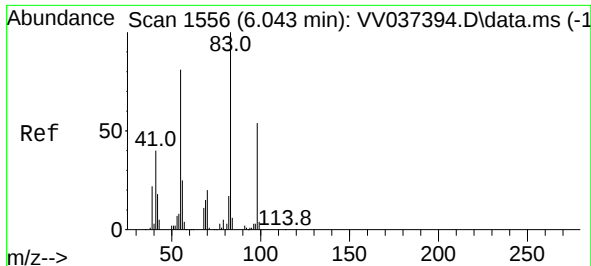
Tgt Ion:117 Resp: 9823
Ion Ratio Lower Upper
117 100
119 101.2 76.2 114.4



#33
Benzene
Concen: 0.308 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Tgt Ion: 78 Resp: 29440





#35

Methylcyclohexane

Concen: 25.075 ug/L

RT: 5.850 min Scan# 1496

Delta R.T. -0.193 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

ClientSampleId :

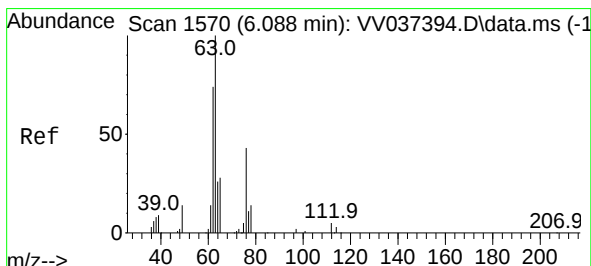
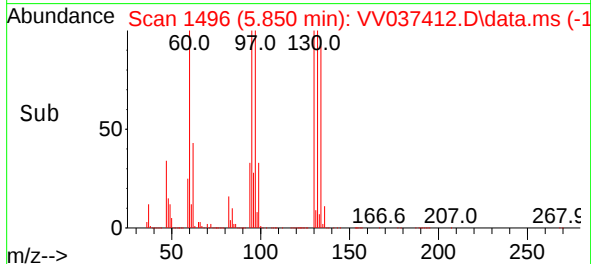
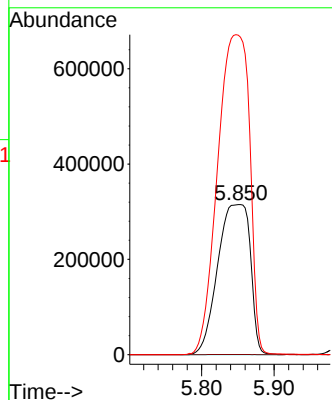
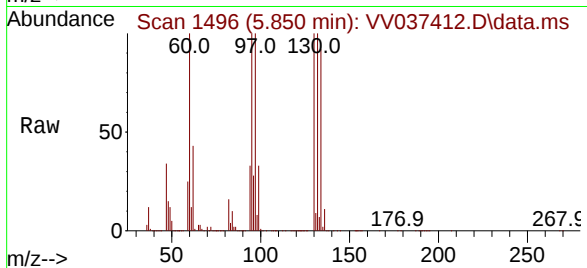
Tgt Ion: 83 Resp: 982454

Ion Ratio Lower Upper

83 100

55 0.0 60.3 90.5#

98 209.9 38.2 57.4#



#37

1,2-Dichloropropane

Concen: 0.514 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.100 min

Lab File: VV037412.D

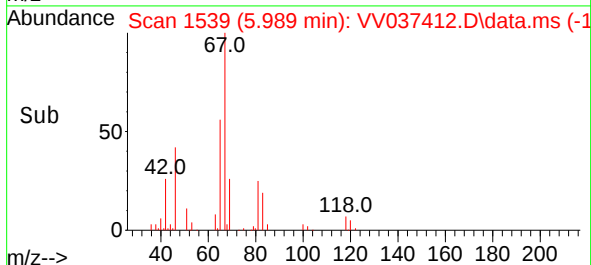
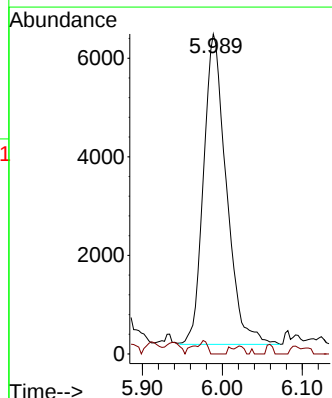
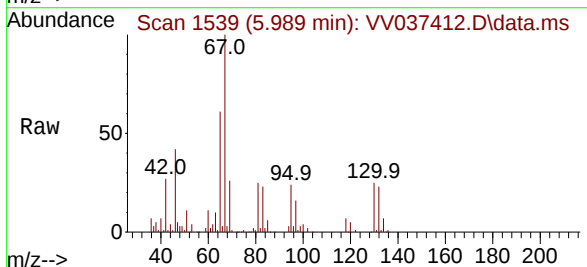
Acq: 20 Sep 2024 03:55

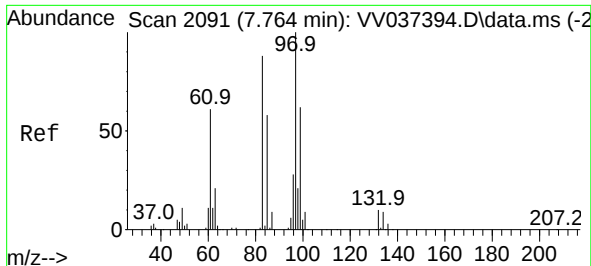
Tgt Ion: 63 Resp: 12508

Ion Ratio Lower Upper

63 100

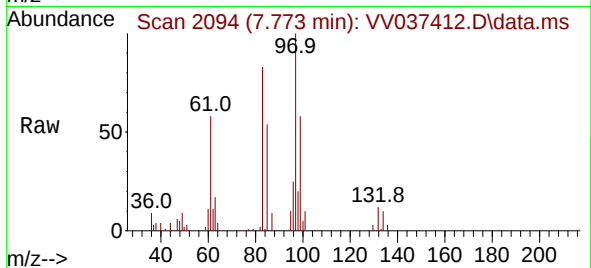
112 2.4 3.7 5.5#



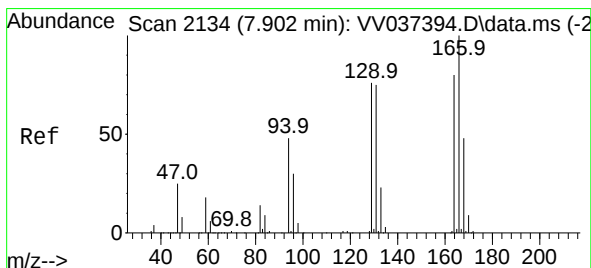
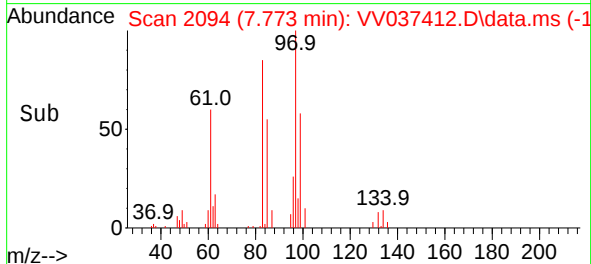
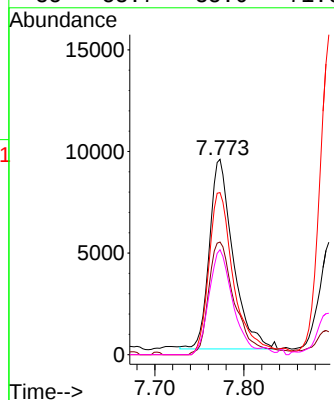


#45
1,1,2-Trichloroethane
Concen: 0.993 ug/L
RT: 7.773 min Scan# 2091
Delta R.T. 0.010 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Instrument :
MSVOA_V
ClientSampleId :

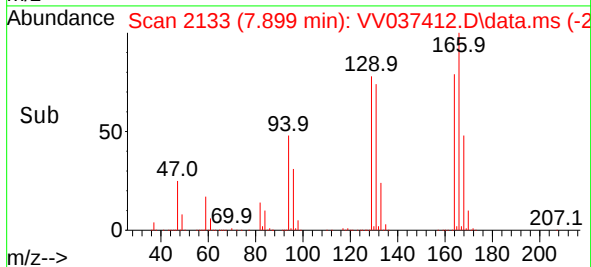
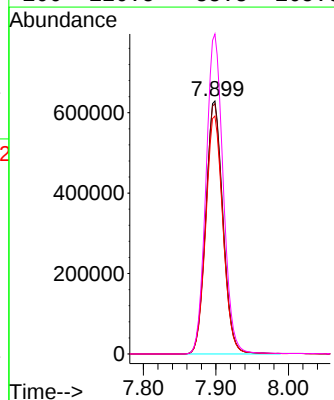
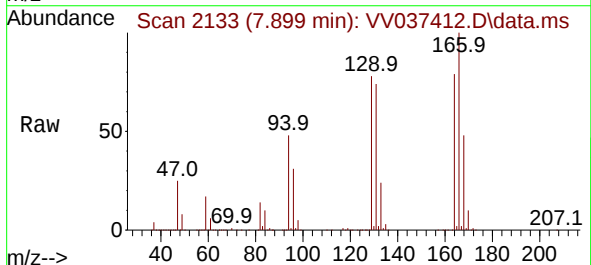


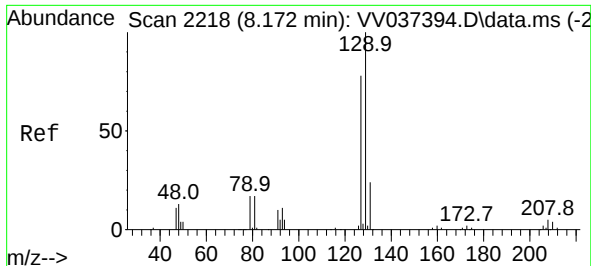
Tgt Ion: 97	Resp: 17296
Ion Ratio	Lower Upper
97 100	
99 57.7	43.1 80.1
83 82.9	61.0 113.4
85 53.7	38.6 71.6



#47
Tetrachloroethene
Concen: 56.074 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.003 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Tgt	Ion:164	Resp:	1034354
Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.2	128.4
131	94.1	66.6	123.8
166	126.5	88.8	165.0





#49

Dibromochloromethane

Concen: 52.576 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.273 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

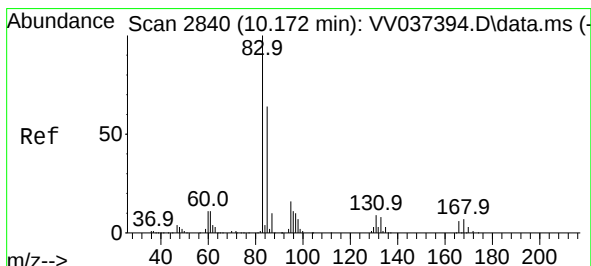
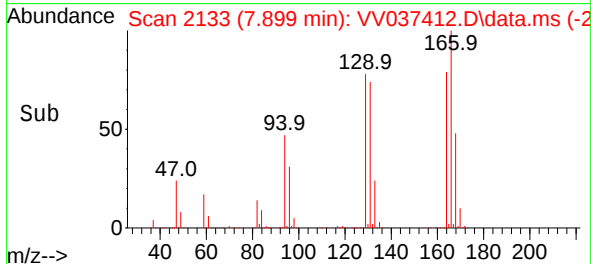
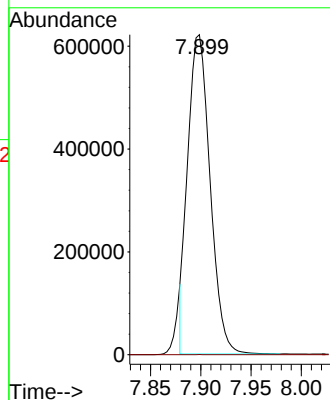
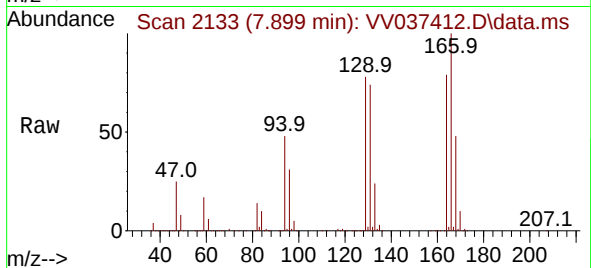
ClientSampleId :

Tgt Ion:129 Resp: 959325

Ion Ratio Lower Upper

129 100

127 0.1 54.5 101.1#



#57

1,1,2,2-Tetrachloroethane

Concen: 0.288 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

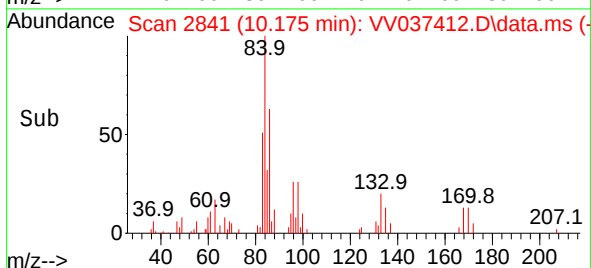
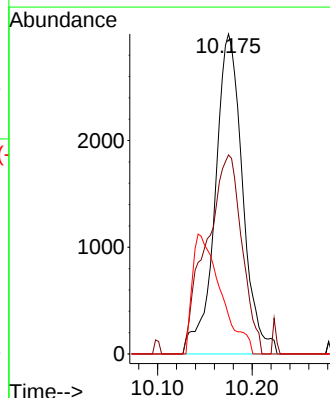
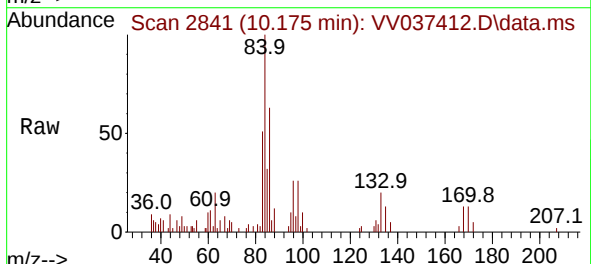
Tgt Ion: 83 Resp: 6059

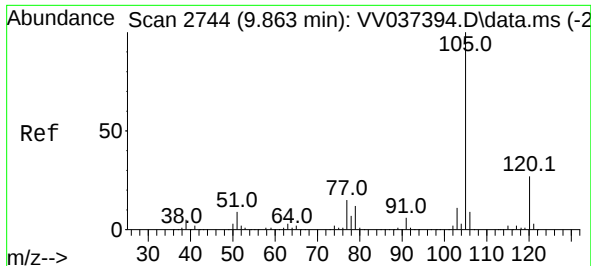
Ion Ratio Lower Upper

83 100

85 62.2 43.2 80.2

131 12.1 6.9 10.3#





#60

Isopropylbenzene

Concen: 0.122 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV037412.D

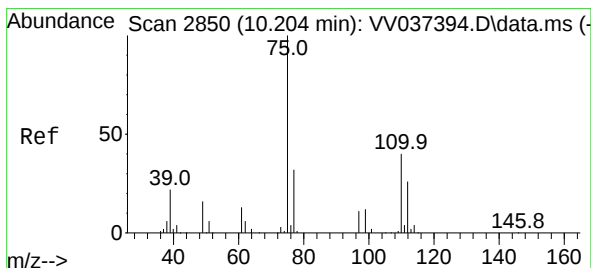
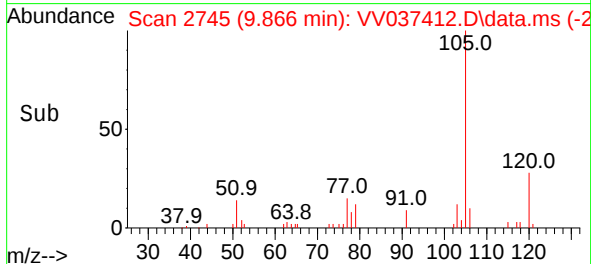
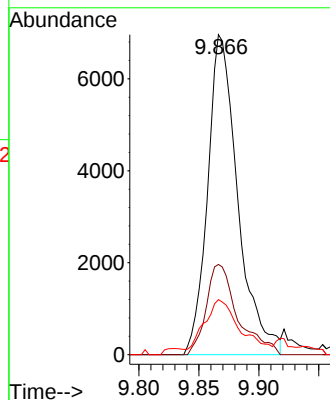
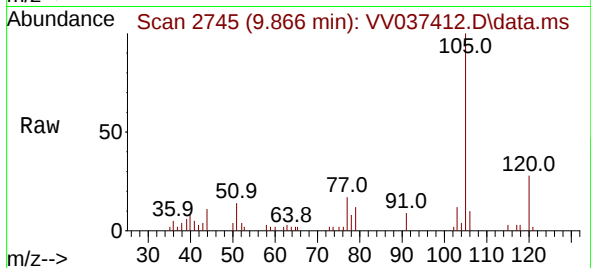
Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:105	Resp:	12174
Ion Ratio	Lower	Upper
105	100	
120	29.5	20.2 30.4
77	18.1	12.7 19.1



#61

1,2,3-Trichloropropane

Concen: 2.151 ug/L

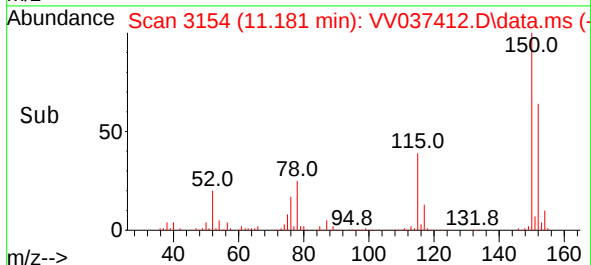
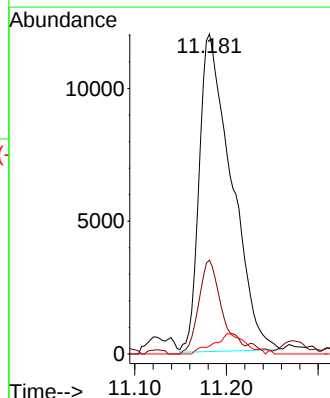
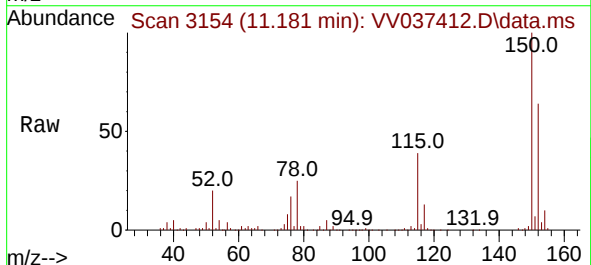
RT: 11.181 min Scan# 3154

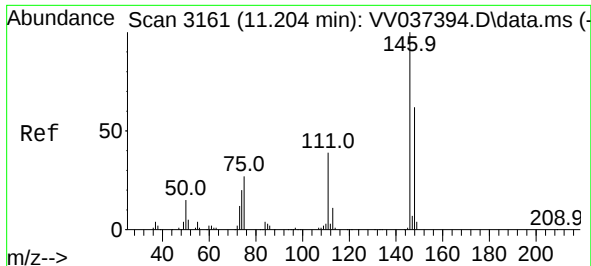
Delta R.T. 0.977 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Tgt Ion: 75	Resp:	29220
Ion Ratio	Lower	Upper
75	100	
77	21.3	25.6 38.4#
110	6.2	31.0 46.4#





#65

1,4-Dichlorobenzene

Concen: 0.688 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV037412.D

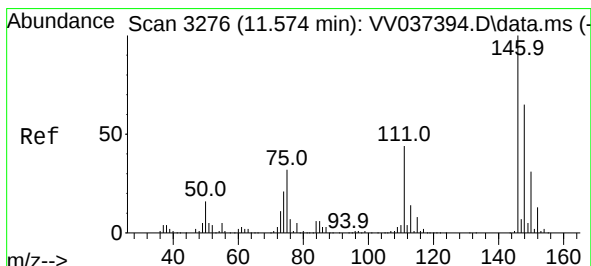
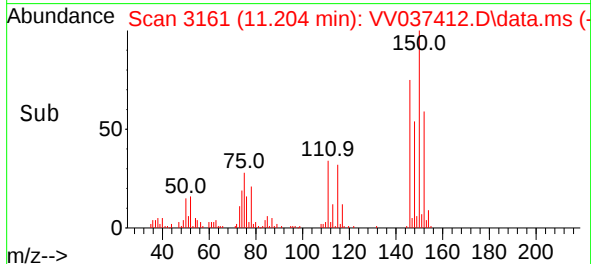
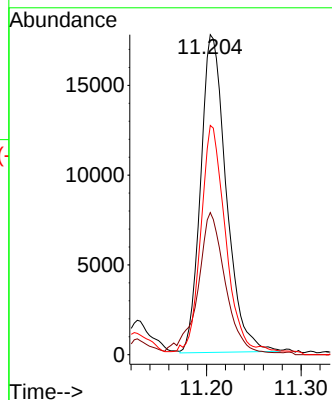
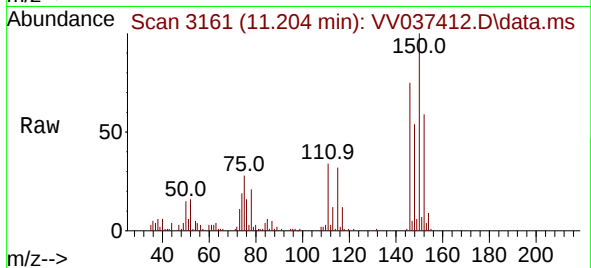
Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:146	Resp:	33347
Ion Ratio	Lower	Upper
146	100	
111	44.4	28.2 52.4
148	71.7	45.8 85.0



#67

1,2-Dichlorobenzene

Concen: 3.503 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Tgt Ion:146	Resp:	153398
Ion Ratio	Lower	Upper
146	100	
111	43.4	34.4 51.6
148	63.6	51.8 77.6

