

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091024\
 Data File : VV037239.D
 Acq On : 10 Sep 2024 09:07
 Operator : SY/MD
 Sample : VSTD0.5
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 11 04:34:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 11 04:34:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	309533	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	314346	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	152511	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	10201	0.562	ug/L	0.00
7) Chloroethane-d5	1.532	69	10746	0.568	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	4862	0.518	ug/L	0.00
20) 2-Butanone-d5	3.886	46	7079	1.437	ug/L	0.07
24) Chloroform-d	4.249	84	23141	0.525	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.960	65	11062	0.536	ug/L	0.02
32) Benzene-d6	4.966	84	41627	0.494	ug/L	0.01
36) 1,2-Dichloropropane-d6	5.995	67	15899	0.581	ug/L	0.00
41) Toluene-d8	7.246	98	37372	0.492	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.577	79	4094	0.475	ug/L	0.02
46) 2-Hexanone-d5	8.050	63	15060	3.722	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.153	84	11968	0.560	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	15407	0.568	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	14153	0.492	ug/L	99
3) Chloromethane	1.214	50	15937	0.519	ug/L	100
5) Vinyl chloride	1.282	62	14823	0.492	ug/L	98
6) Bromomethane	1.487	94	9182	0.508	ug/L	91
8) Chloroethane	1.548	64	8489	0.468	ug/L	93
9) Trichlorofluoromethane	1.709	101	17360	0.463	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	11349	0.500	ug/L	96
12) 1,1-Dichloroethene	2.066	96	10212	0.471	ug/L	84
13) Acetone	2.150	43	15640	4.326	ug/L	99
14) Carbon disulfide	2.236	76	33159	0.485	ug/L	99
15) Methyl Acetate	2.391	43	1164	0.137	ug/L #	81
16) Methylene chloride	2.446	84	13197	0.529	ug/L	97
17) Methyl tert-butyl Ether	2.703	73	23663	0.459	ug/L	98
18) trans-1,2-Dichloroethene	2.696	96	10517	0.461	ug/L	91
19) 1,1-Dichloroethane	3.108	63	20752	0.476	ug/L	98
21) 2-Butanone	4.150	43	344	0.065	ug/L	78
22) cis-1,2-Dichloroethene	3.831	96	11496	0.466	ug/L	90
23) Bromochloromethane	4.159	128	5028	0.471	ug/L	95
25) Chloroform	4.278	83	20580	0.469	ug/L	94
27) 1,2-Dichloroethane	5.063	62	10886	0.438	ug/L #	94
29) 1,1,1-Trichloroethane	4.510	97	16731	0.449	ug/L	95
30) Cyclohexane	4.577	56	16129	0.446	ug/L	98
31) Carbon tetrachloride	4.728	117	14771	0.466	ug/L	98
33) Benzene	5.011	78	41696	0.440	ug/L	100
34) Trichloroethene	5.841	95	12042	0.472	ug/L	92
35) Methylcyclohexane	6.047	83	17016	0.439	ug/L	96
37) 1,2-Dichloropropane	6.101	63	9783	0.419	ug/L	97
38) Bromodichloromethane	6.439	83	13526	0.448	ug/L	98
39) cis-1,3-Dichloropropene	6.973	75	13355	0.391	ug/L	97
40) 4-Methyl-2-pentanone	7.169	43	54105	3.952	ug/L	97
42) Toluene	7.320	91	40629	0.412	ug/L	89
44) trans-1,3-Dichloropropene	7.600	75	10763	0.387	ug/L #	78

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV091024\
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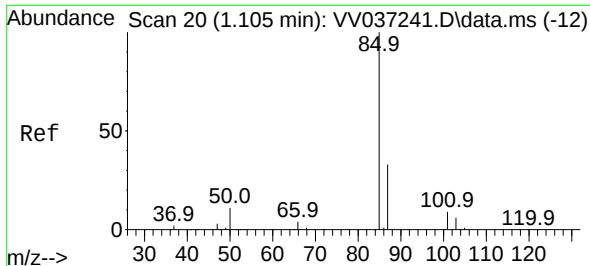
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 11 04:34:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 11 04:34:16 2024
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.776	97	7828	0.454	ug/L	97
47) Tetrachloroethene	7.905	164	8232	0.451	ug/L	87
48) 2-Hexanone	8.098	43	34504	3.659	ug/L #	95
49) Dibromochloromethane	8.178	129	7610	0.421	ug/L	99
50) 1,2-Dibromoethane	8.288	107	7425	0.456	ug/L	91
51) Chlorobenzene	8.815	112	29506	0.450	ug/L	99
52) Ethylbenzene	8.947	91	46541	0.423	ug/L	96
53) m,p-Xylene	9.075	106	15358	0.380	ug/L	98
54) o-Xylene	9.477	106	16485	0.412	ug/L	95
55) Styrene	9.506	104	27233	0.401	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.178	83	9546	0.458	ug/L #	95
59) Bromoform	9.667	173	4031	0.452	ug/L #	90
60) Isopropylbenzene	9.866	105	44628	0.437	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	6811	0.491	ug/L	94
62) 1,3,5-Trimethylbenzene	10.474	105	33340	0.412	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	33425	0.411	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	22348	0.463	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	24533	0.496	ug/L	95
67) 1,2-Dichlorobenzene	11.580	146	21479	0.480	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	1071	0.386	ug/L #	87
69) 1,3,5-Trichlorobenzene	12.583	180	16558	0.481	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	12992	0.459	ug/L	94
71) Naphthalene	13.445	128	20151	0.465	ug/L	95
72) 1,2,3-Trichlorobenzene	13.683	180	10203	0.435	ug/L	97

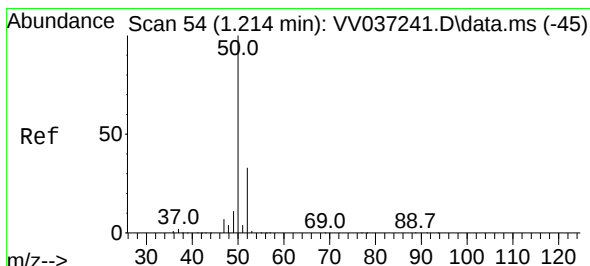
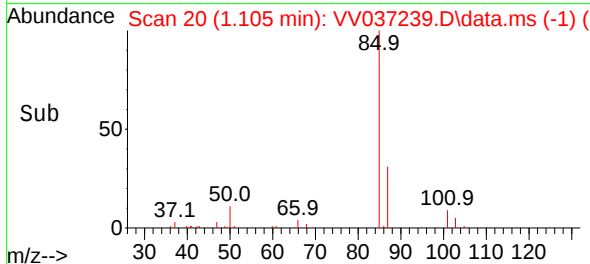
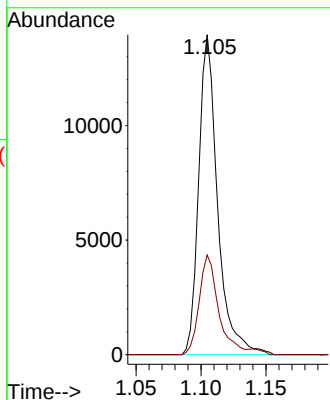
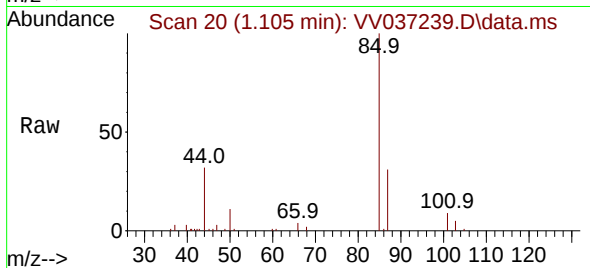
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.492 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV037239.D
 Acq: 10 Sep 2024 09:07

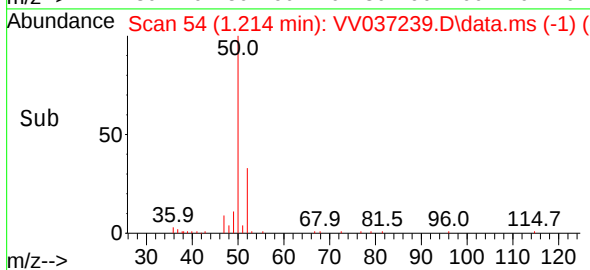
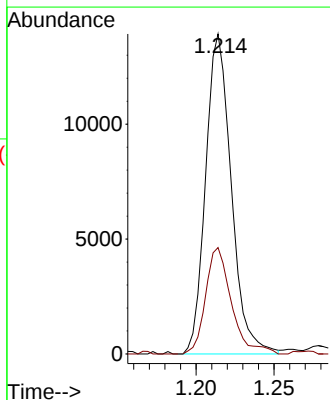
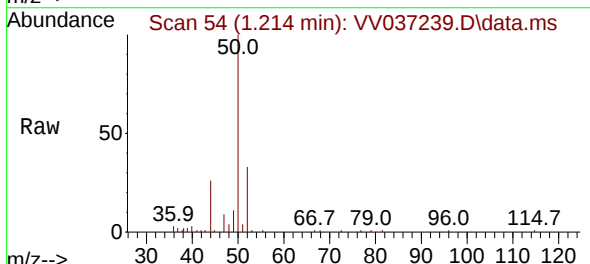
Instrument :
 MSVOA_V
 ClientSampleId :

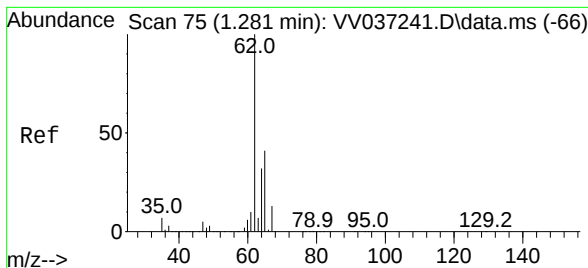
Tgt Ion: 85 Resp: 14153
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.8 38.8



#3
 Chloromethane
 Concen: 0.519 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV037239.D
 Acq: 10 Sep 2024 09:07

Tgt Ion: 50 Resp: 15937
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 0.492 ug/L

RT: 1.282 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

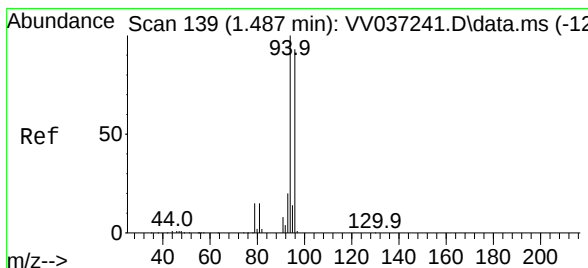
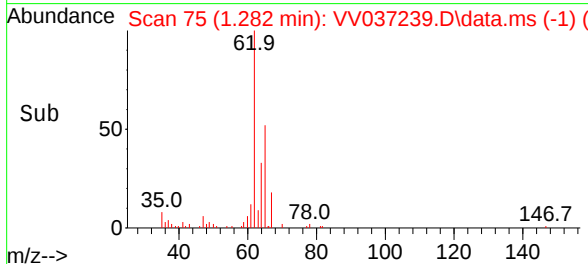
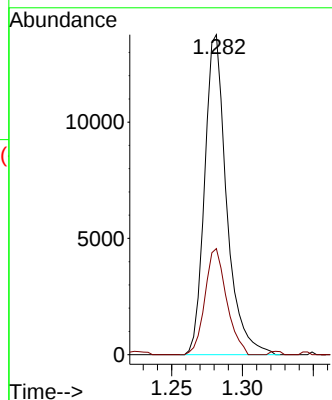
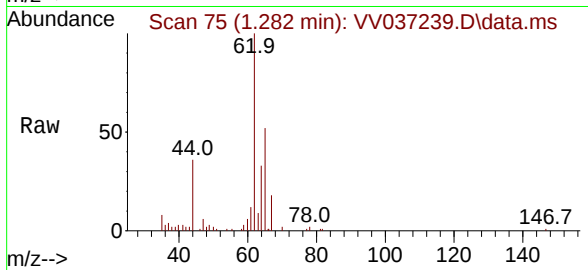
ClientSampleId :

Tgt Ion: 62 Resp: 14823

Ion Ratio Lower Upper

62 100

64 33.1 22.4 41.6



#6

Bromomethane

Concen: 0.508 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037239.D

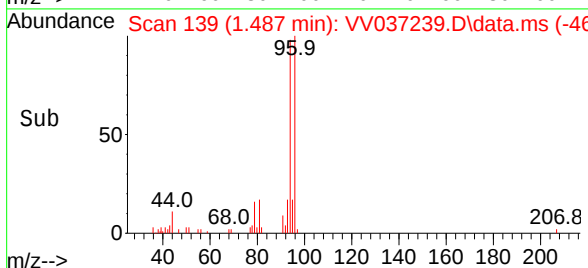
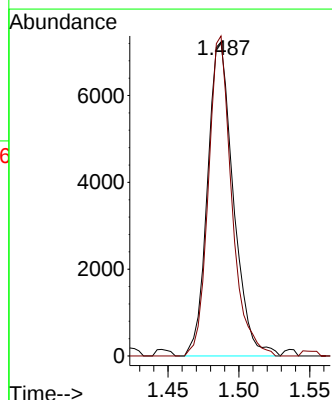
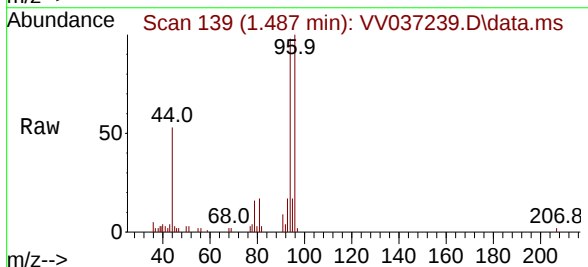
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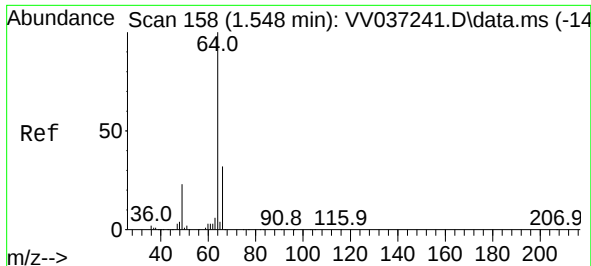
Tgt Ion: 94 Resp: 9182

Ion Ratio Lower Upper

94 100

96 101.9 65.3 121.3

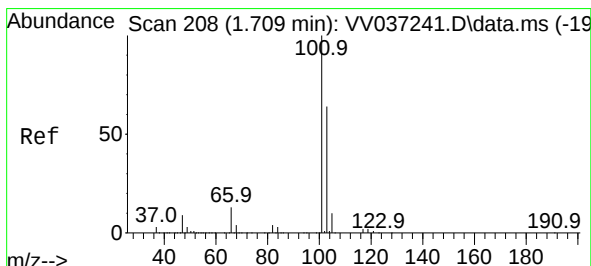
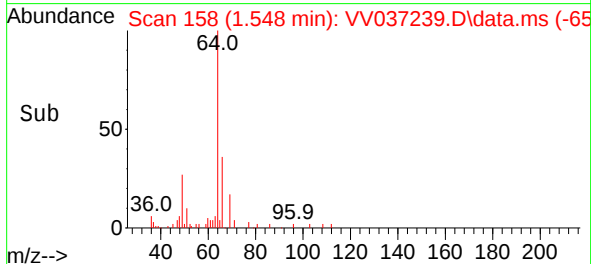
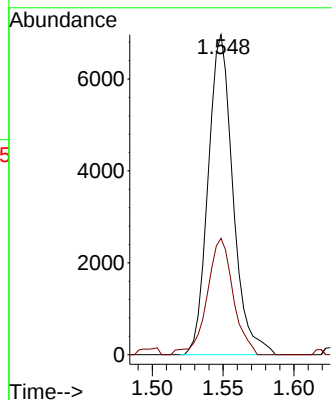
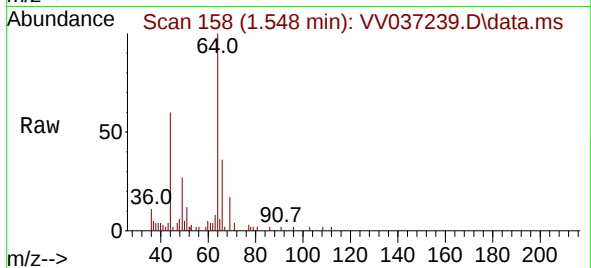




#8
Chloroethane
Concen: 0.468 ug/L
RT: 1.548 min Scan# 158
Delta R.T. 0.000 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

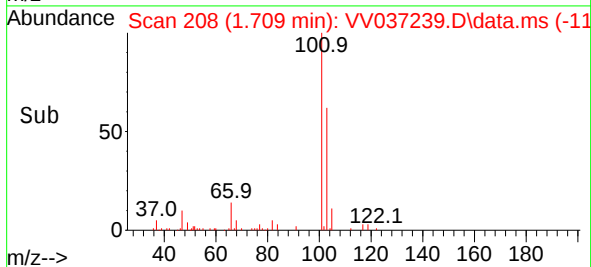
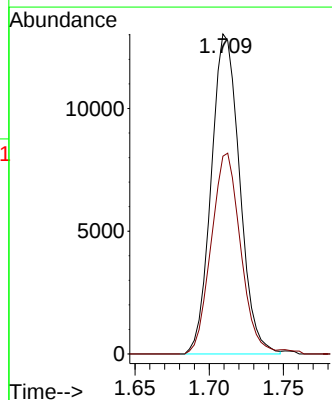
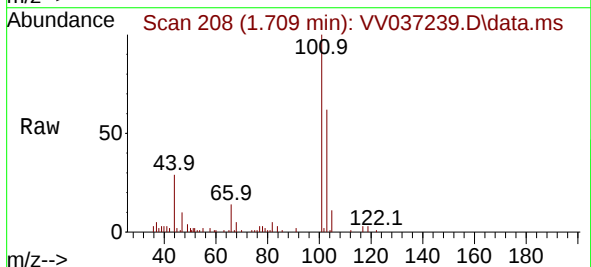
Instrument :
MSVOA_V
ClientSampleId :

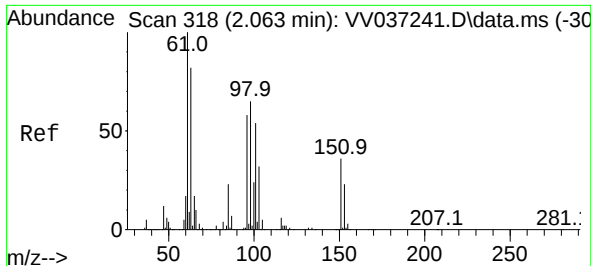
Tgt Ion: 64 Resp: 8489
Ion Ratio Lower Upper
64 100
66 36.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.463 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

Tgt Ion:101 Resp: 17360
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3

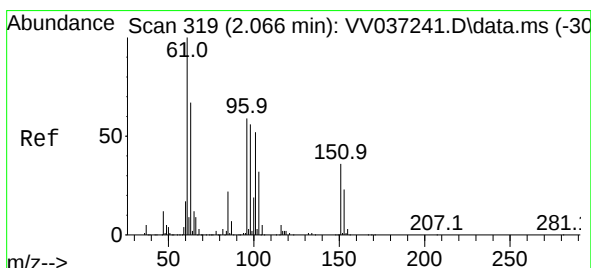
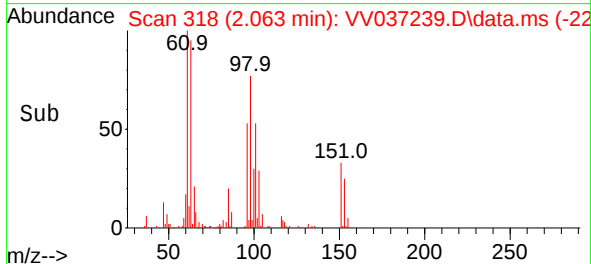
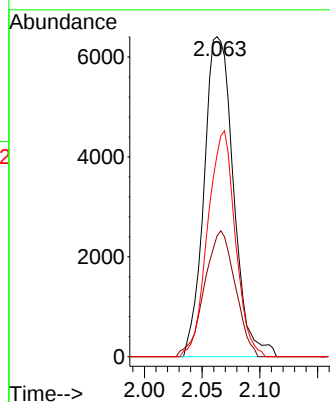
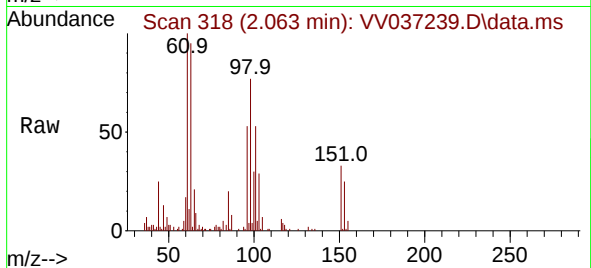




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.500 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

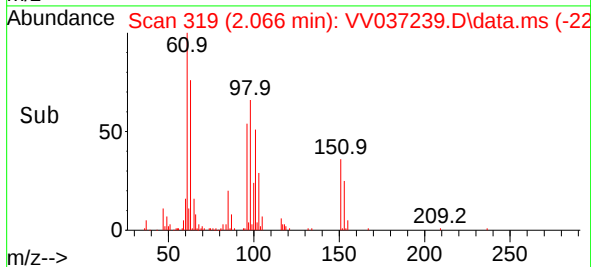
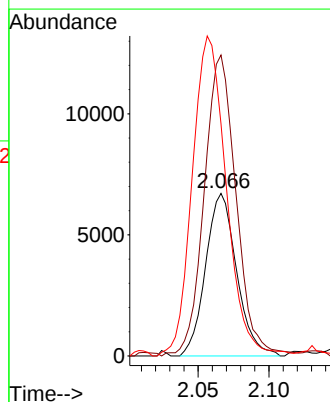
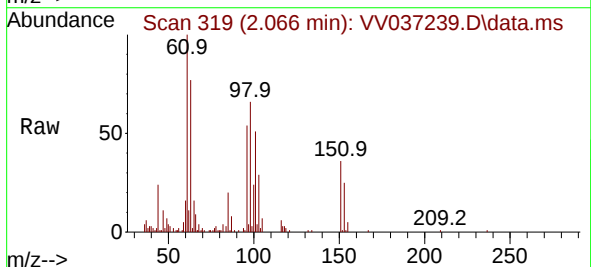
Instrument :
MSVOA_V
ClientSampleId :

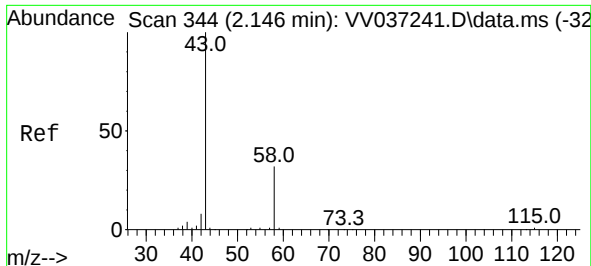
Tgt Ion: 101 Resp: 11349
Ion Ratio Lower Upper
101 100
85 41.1 35.1 52.7
151 66.3 55.3 82.9



#12
1,1-Dichloroethene
Concen: 0.471 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

Tgt Ion: 96 Resp: 10212
Ion Ratio Lower Upper
96 100
61 185.0 119.9 222.7
63 142.8 81.4 151.2





#13

Acetone

Concen: 4.326 ug/L

RT: 2.150 min Scan# 344

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

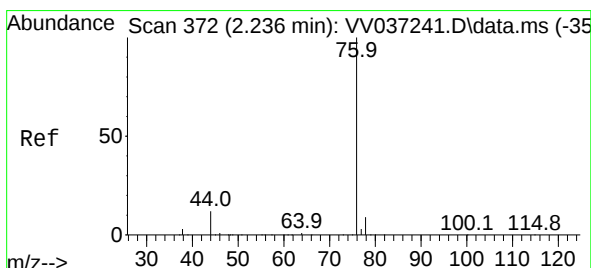
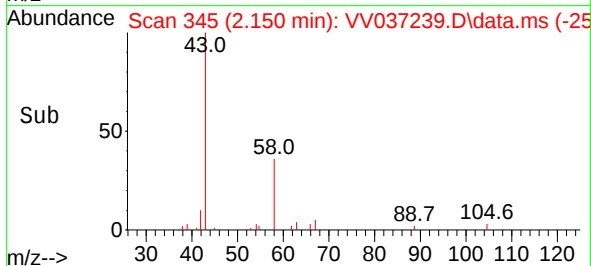
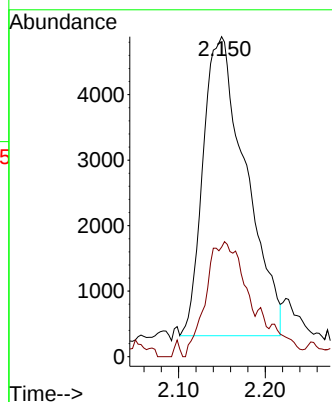
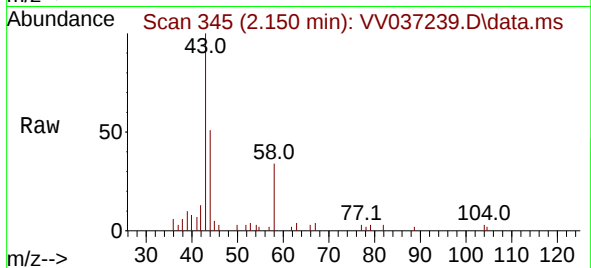
ClientSampleId :

Tgt Ion: 43 Resp: 15640

Ion Ratio Lower Upper

43 100

58 34.3 0.0 69.2



#14

Carbon disulfide

Concen: 0.485 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.000 min

Lab File: VV037239.D

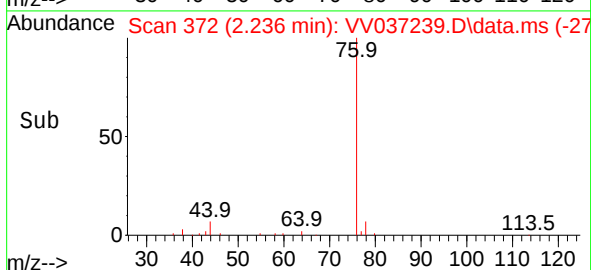
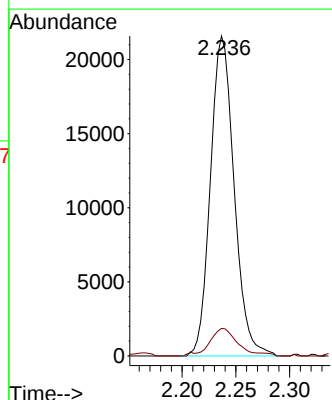
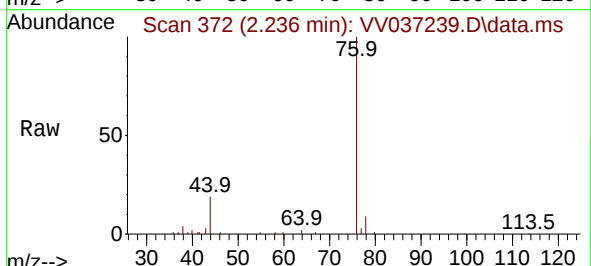
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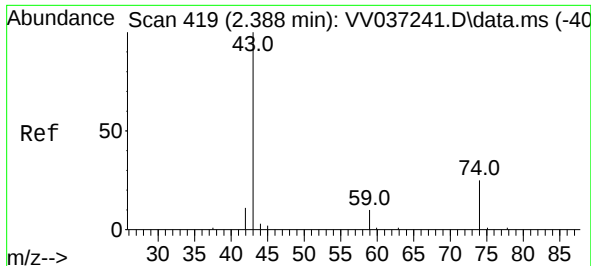
Tgt Ion: 76 Resp: 33159

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9





#15

Methyl Acetate

Concen: 0.137 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

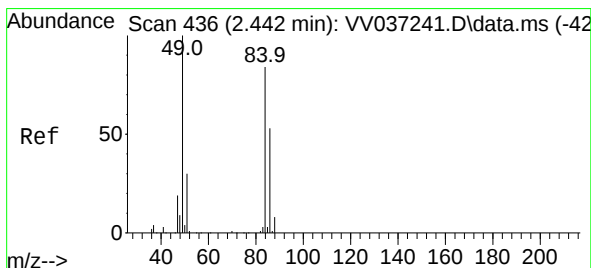
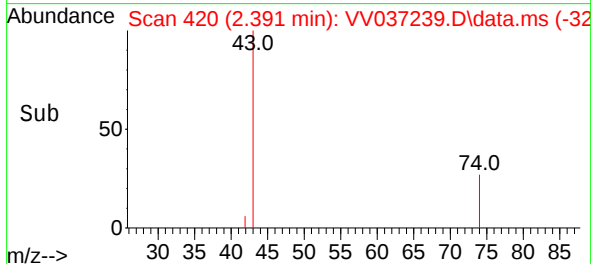
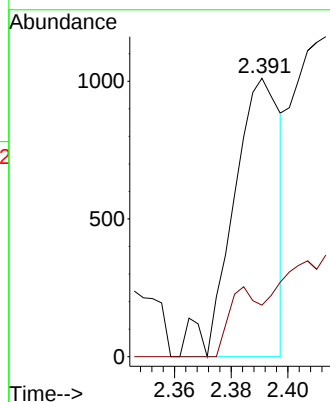
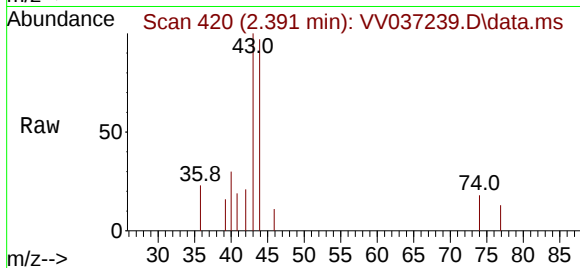
ClientSampleId :

Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

74 16.3 21.0 31.4#



#16

Methylene chloride

Concen: 0.529 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

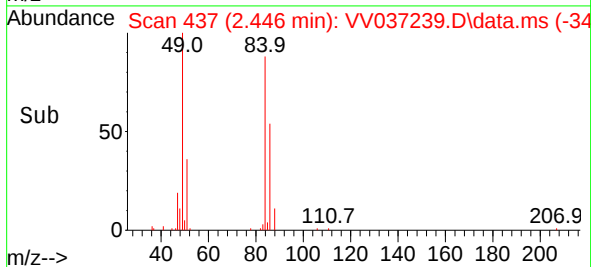
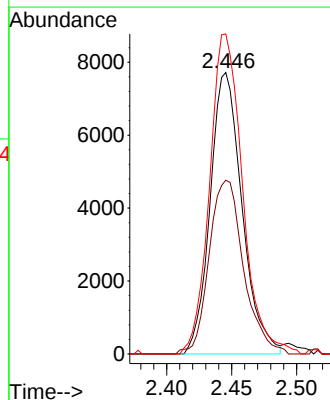
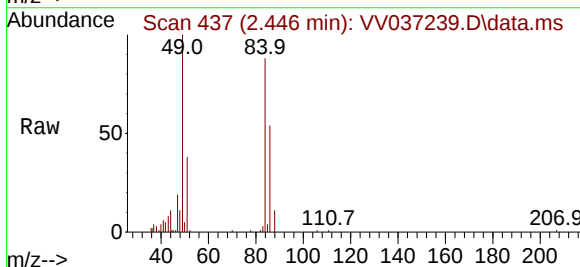
Tgt Ion: 84 Resp: 13197

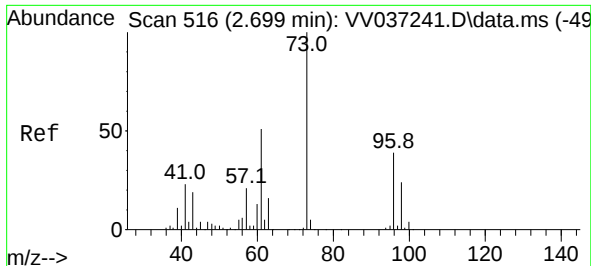
Ion Ratio Lower Upper

84 100

86 61.7 44.0 81.8

49 113.7 83.0 154.1





#17

Methyl tert-butyl Ether

Concen: 0.459 ug/L

RT: 2.703 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

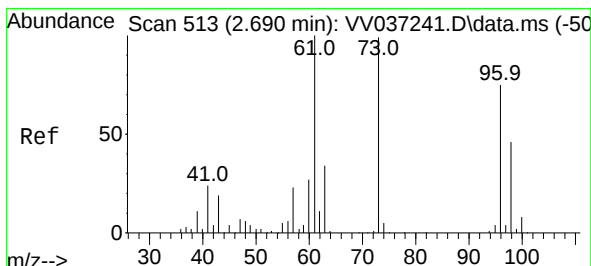
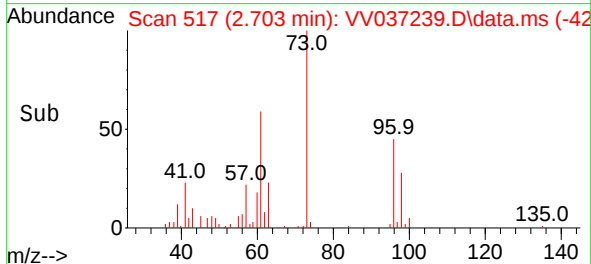
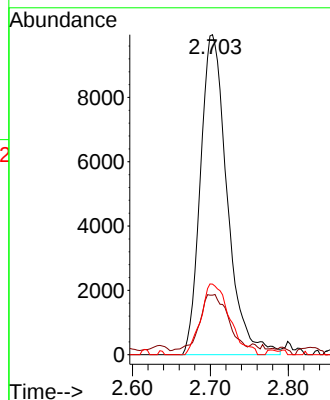
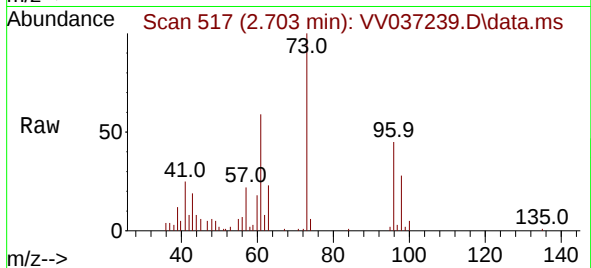
Tgt Ion: 73 Resp: 23663

Ion Ratio Lower Upper

73 100

43 18.2 14.5 21.7

57 23.6 17.7 26.5



#18

trans-1,2-Dichloroethene

Concen: 0.461 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

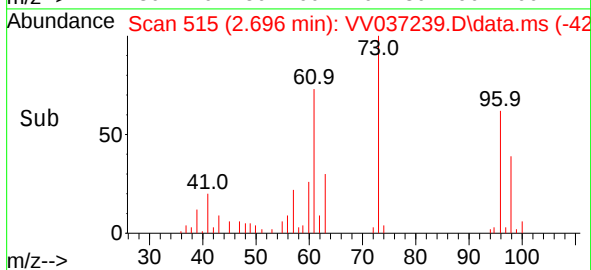
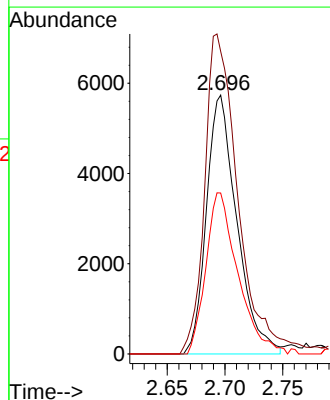
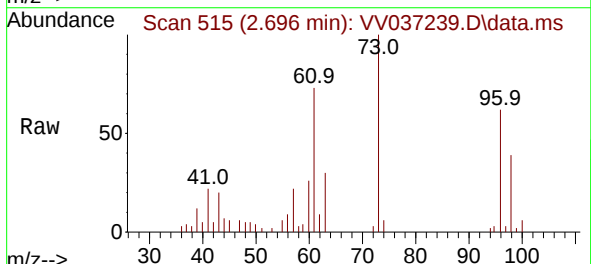
Tgt Ion: 96 Resp: 10517

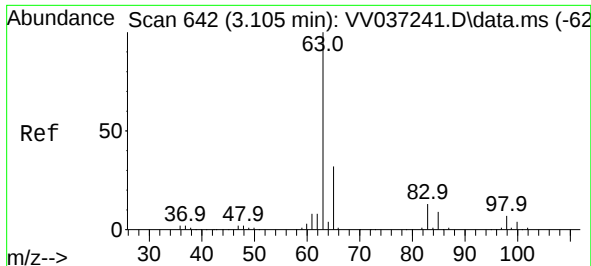
Ion Ratio Lower Upper

96 100

61 116.8 92.8 172.4

98 62.2 43.0 79.8





#19

1,1-Dichloroethane

Concen: 0.476 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

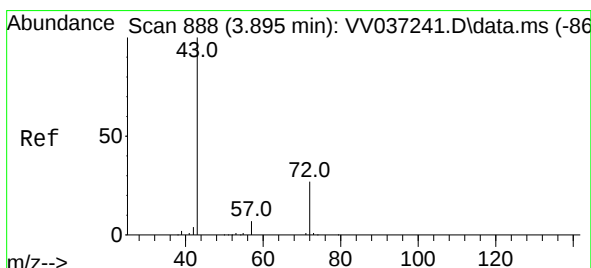
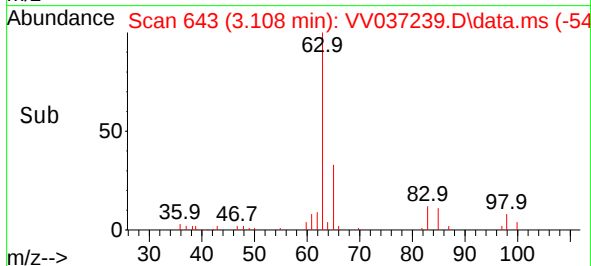
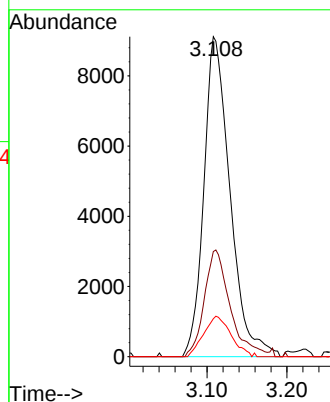
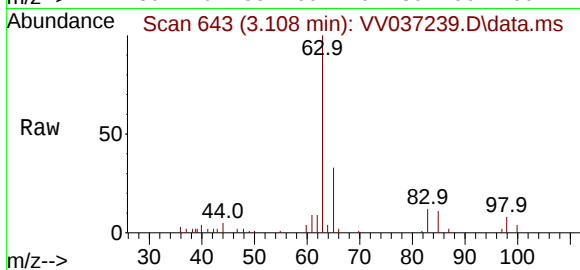
Tgt Ion: 63 Resp: 20752

Ion Ratio Lower Upper

63 100

65 32.8 22.5 41.7

83 11.9 8.9 16.5



#21

2-Butanone

Concen: 0.065 ug/L

RT: 4.150 min Scan# 967

Delta R.T. 0.254 min

Lab File: VV037239.D

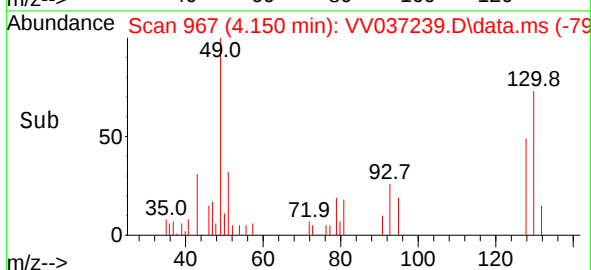
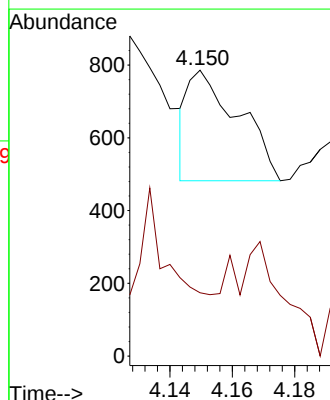
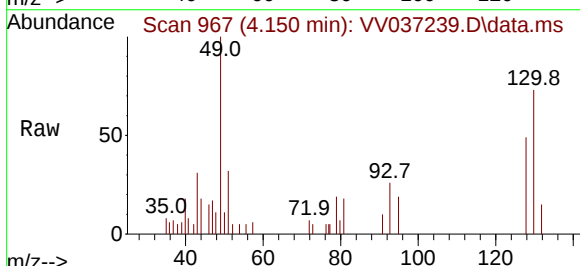
Acq: 10 Sep 2024 09:07

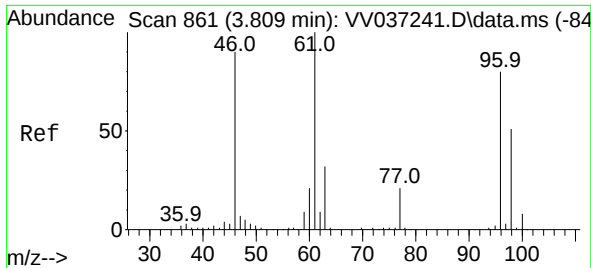
Tgt Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

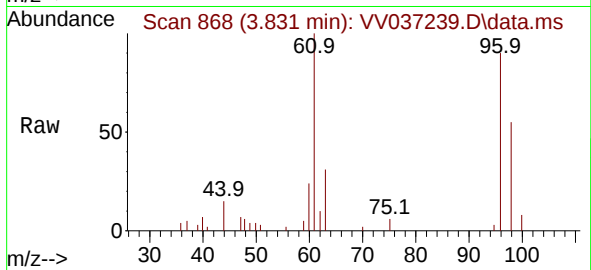
72 35.2 12.2 36.6



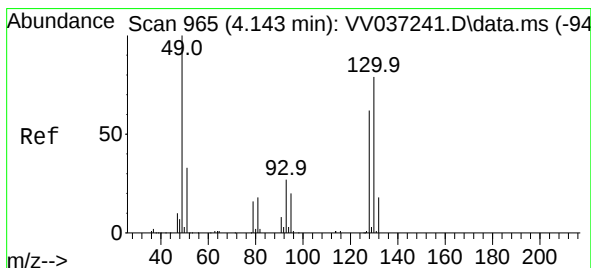
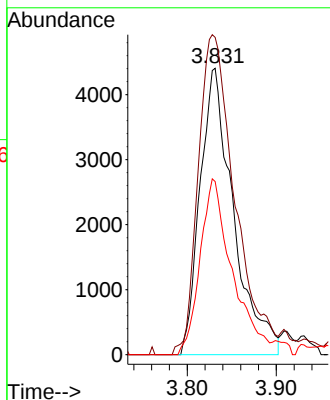
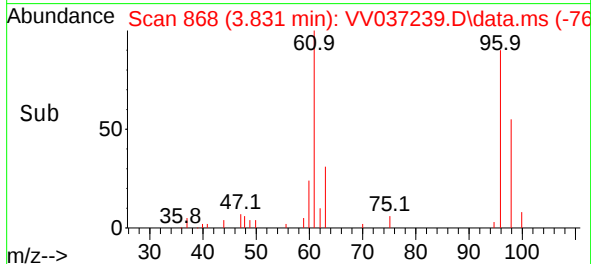


#22
 cis-1,2-Dichloroethene
 Concen: 0.466 ug/L
 RT: 3.831 min Scan# 861
 Delta R.T. 0.023 min
 Lab File: VV037239.D
 Acq: 10 Sep 2024 09:07

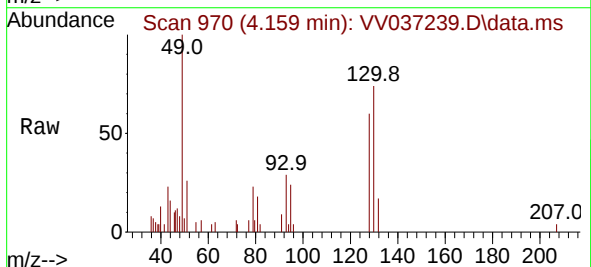
Instrument :
 MSVOA_V
 ClientSampleId :



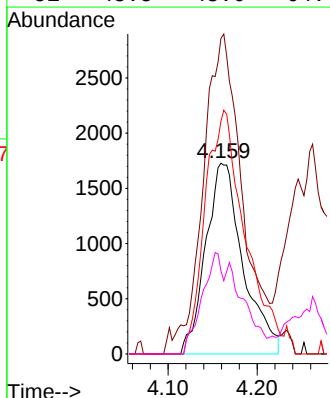
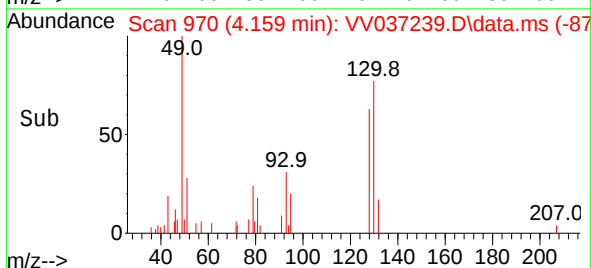
Tgt Ion: 96	Resp: 11496
Ion Ratio	Lower Upper
96 100	
61 110.8	87.6 162.6
98 60.5	44.9 83.5

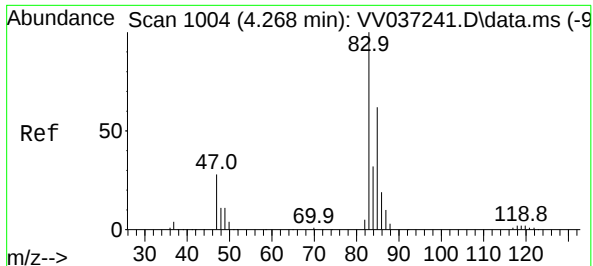


#23
 Bromochloromethane
 Concen: 0.471 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.016 min
 Lab File: VV037239.D
 Acq: 10 Sep 2024 09:07



Tgt	Ion:128	Resp:	5028
Ion	Ratio	Lower	Upper
128	100		
49	165.4	114.0	211.8
130	122.0	89.3	165.9
51	43.5	43.0	64.4





#25

Chloroform

Concen: 0.469 ug/L

RT: 4.278 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

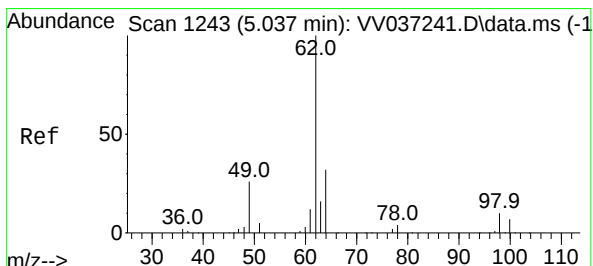
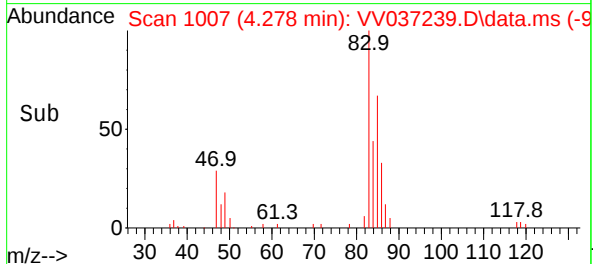
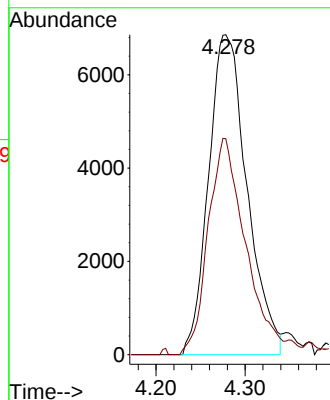
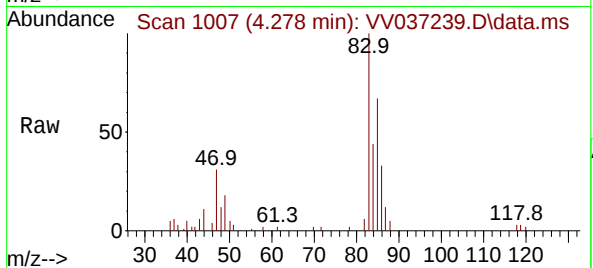
ClientSampleId :

Tgt Ion: 83 Resp: 20580

Ion Ratio Lower Upper

83 100

85 67.5 43.8 81.4



#27

1,2-Dichloroethane

Concen: 0.438 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.026 min

Lab File: VV037239.D

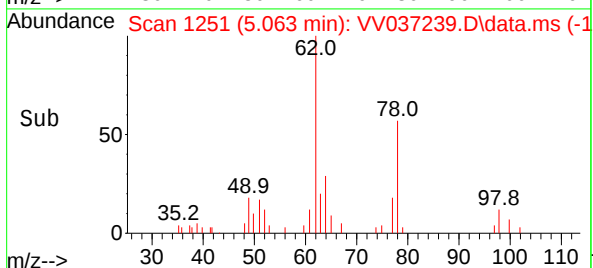
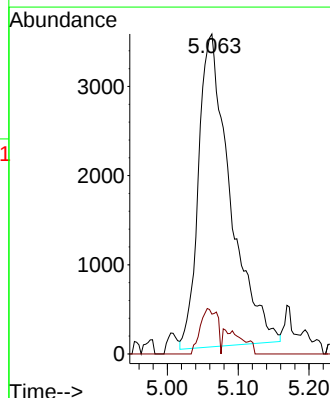
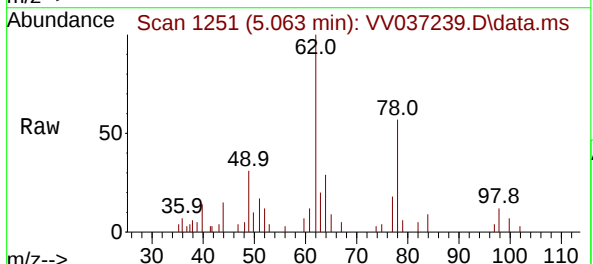
Acq: 10 Sep 2024 09:07

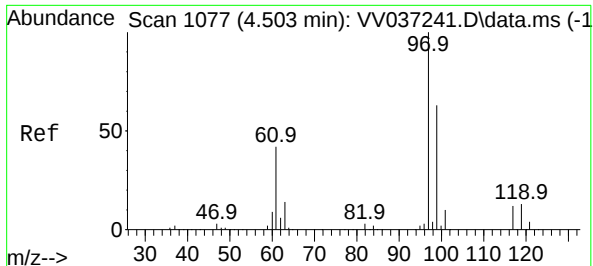
Tgt Ion: 62 Resp: 10886

Ion Ratio Lower Upper

62 100

98 12.4 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 0.449 ug/L

RT: 4.510 min Scan# 1100

Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

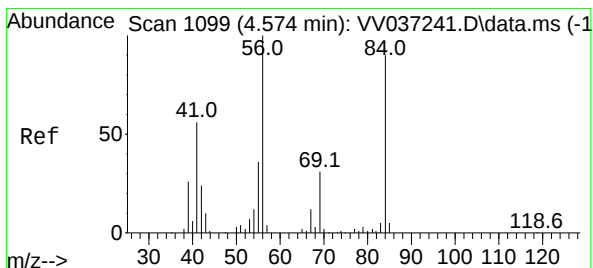
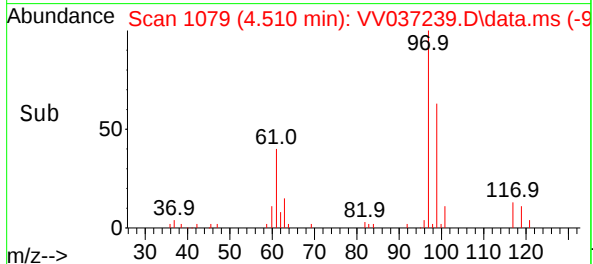
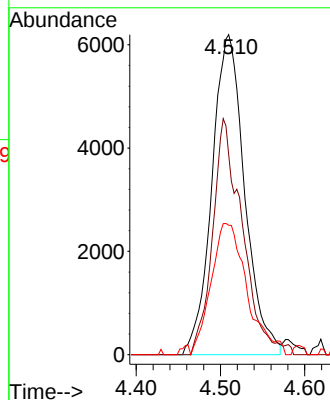
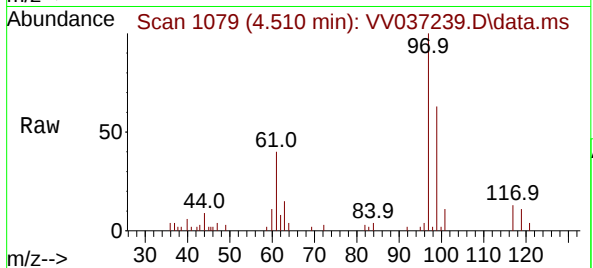
Tgt Ion: 97 Resp: 16731

Ion Ratio Lower Upper

97 100

99 66.9 50.0 75.0

61 45.0 34.3 51.5



#30

Cyclohexane

Concen: 0.446 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

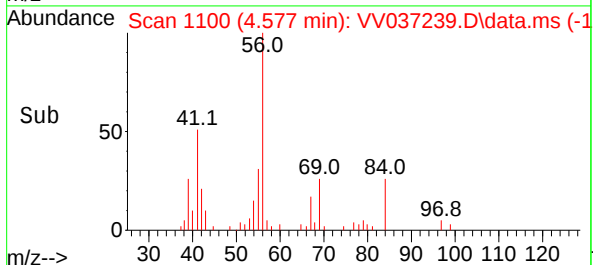
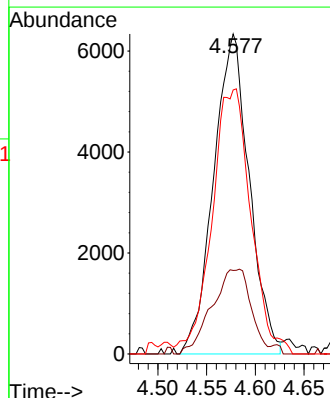
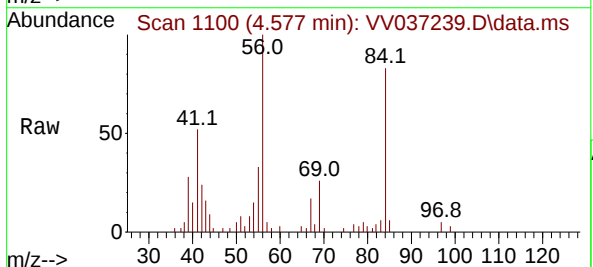
Tgt Ion: 56 Resp: 16129

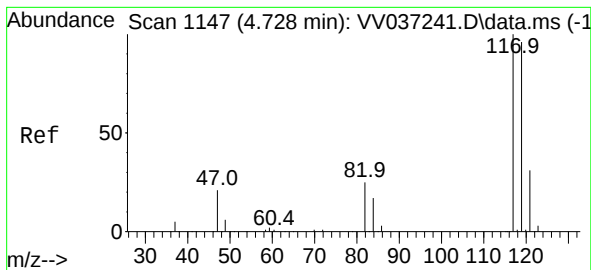
Ion Ratio Lower Upper

56 100

69 29.1 24.1 36.1

84 89.9 73.1 109.7





#31

Carbon tetrachloride

Concen: 0.466 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

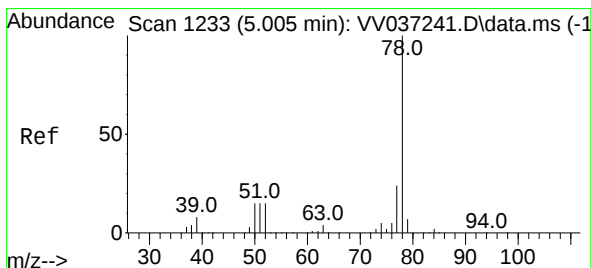
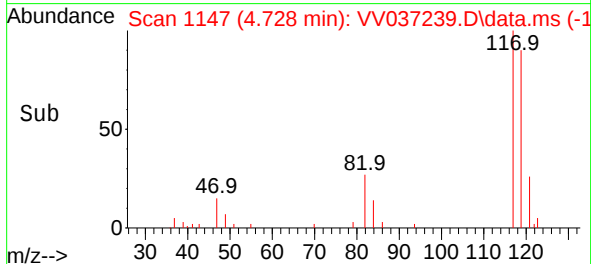
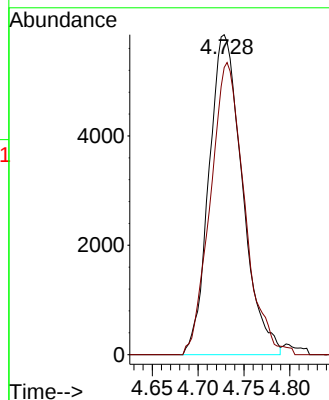
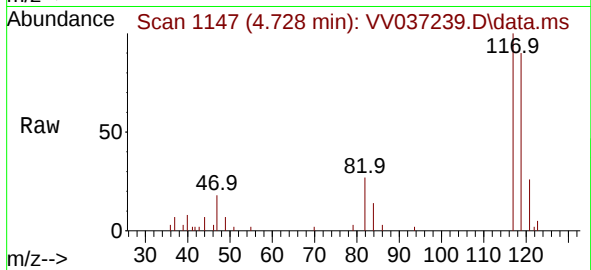
ClientSampleId :

Tgt Ion:117 Resp: 14771

Ion Ratio Lower Upper

117 100

119 93.3 76.2 114.4



#33

Benzene

Concen: 0.440 ug/L

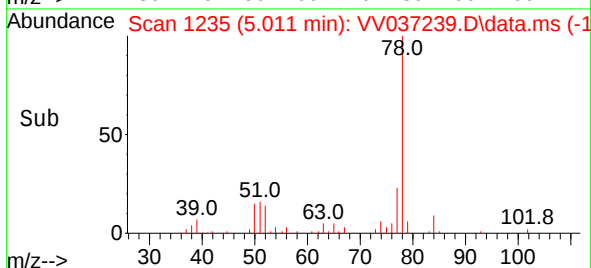
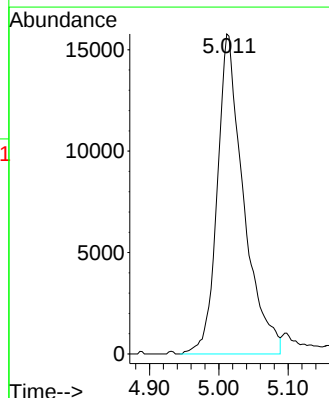
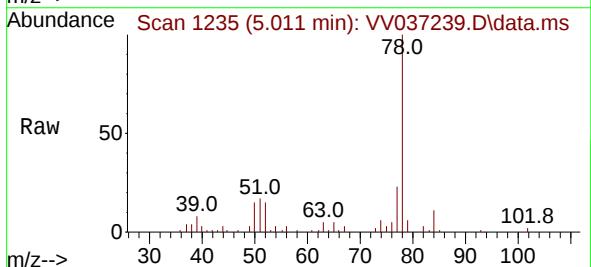
RT: 5.011 min Scan# 1235

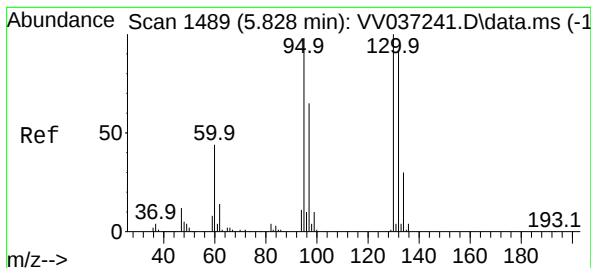
Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Tgt Ion: 78 Resp: 41696





#34

Trichloroethene

Concen: 0.472 ug/L

RT: 5.841 min Scan# 1489

Delta R.T. 0.013 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 12042

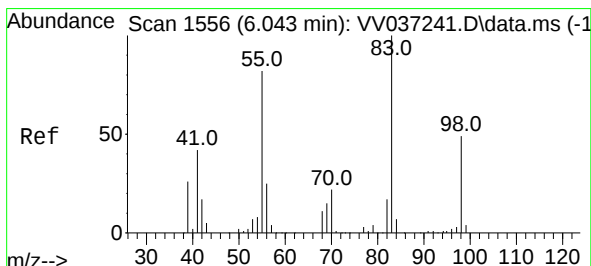
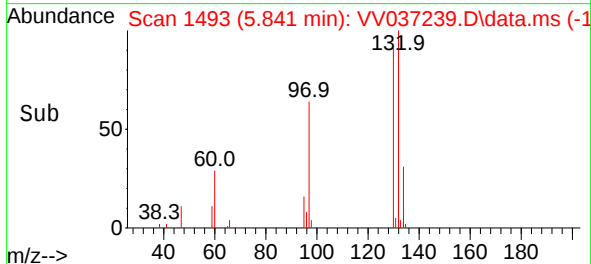
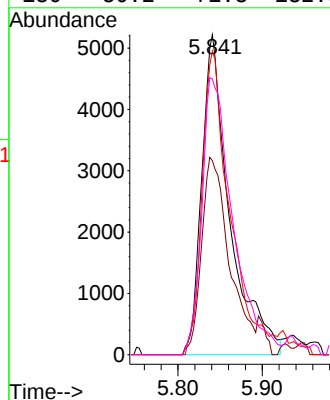
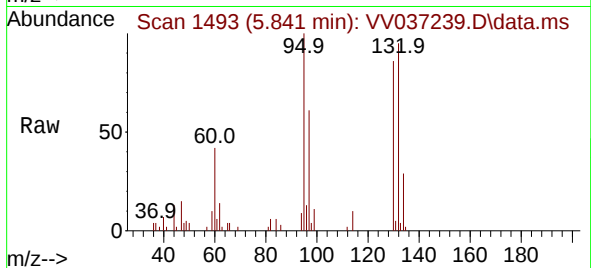
Ion Ratio Lower Upper

95 100

97 60.6 46.5 86.5

132 94.9 65.5 121.7

130 86.2 71.3 132.3



#35

Methylcyclohexane

Concen: 0.439 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

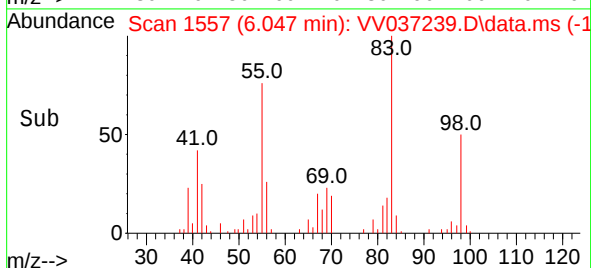
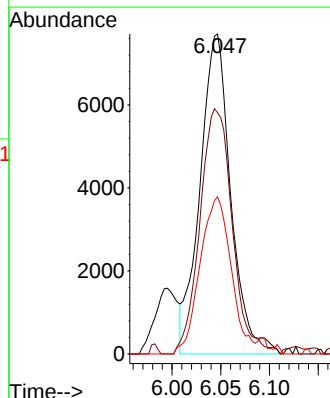
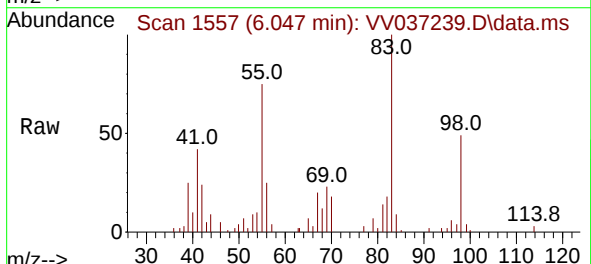
Tgt Ion: 83 Resp: 17016

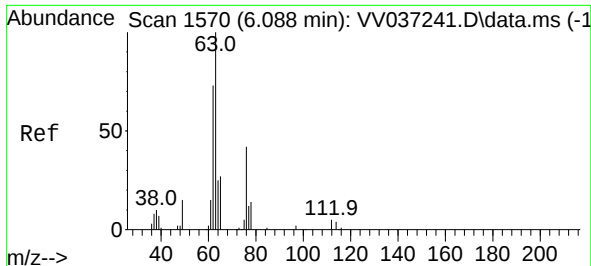
Ion Ratio Lower Upper

83 100

55 80.2 60.3 90.5

98 49.3 38.2 57.4

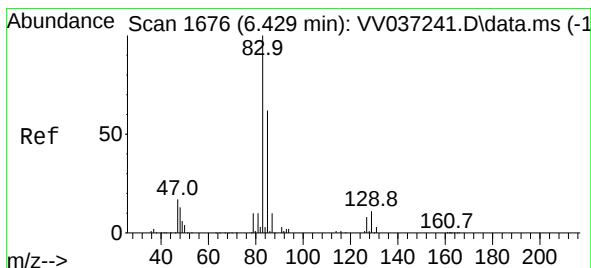
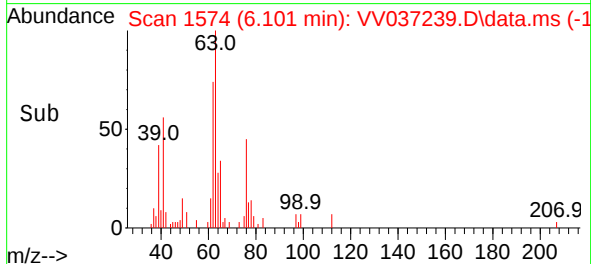
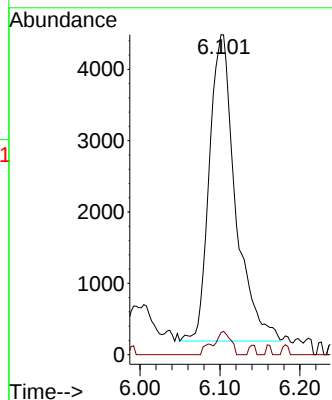
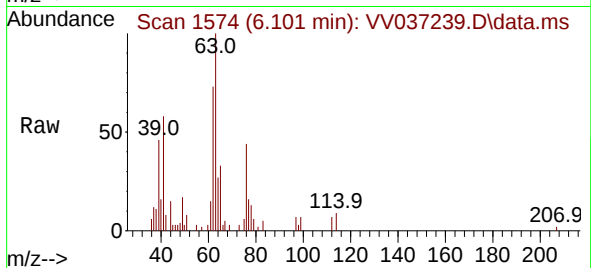




#37
1,2-Dichloropropane
Concen: 0.419 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.013 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

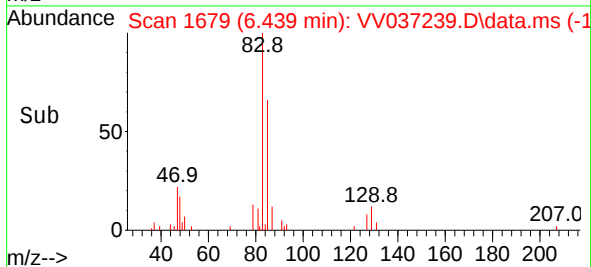
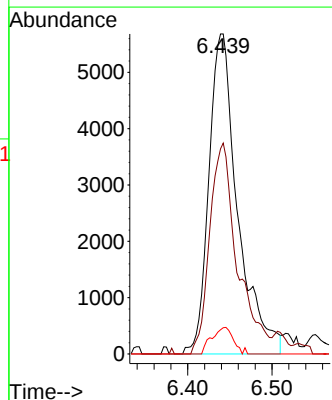
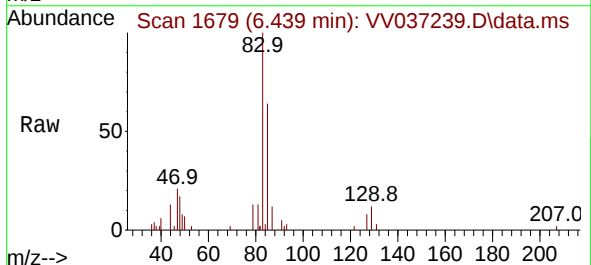
Instrument :
MSVOA_V
ClientSampleId :

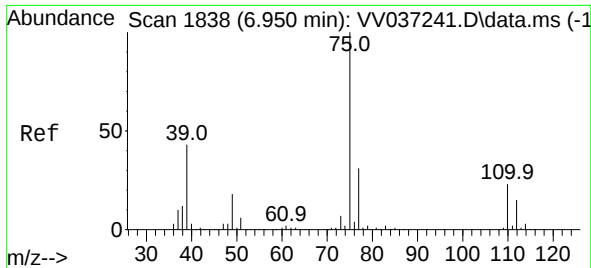
Tgt Ion: 63 Resp: 9783
Ion Ratio Lower Upper
63 100
112 3.8 3.7 5.5



#38
Bromodichloromethane
Concen: 0.448 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.010 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

Tgt Ion: 83 Resp: 13526
Ion Ratio Lower Upper
83 100
85 64.1 43.7 81.1
127 7.6 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 0.391 ug/L

RT: 6.973 min Scan# 11

Delta R.T. 0.023 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

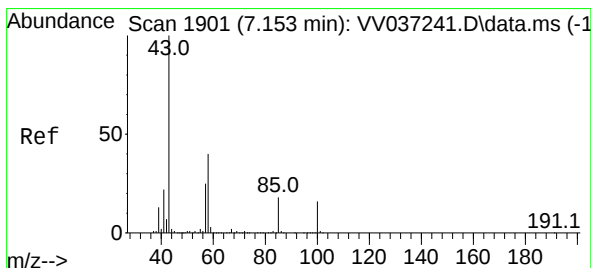
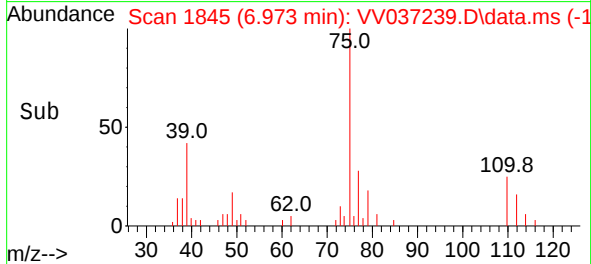
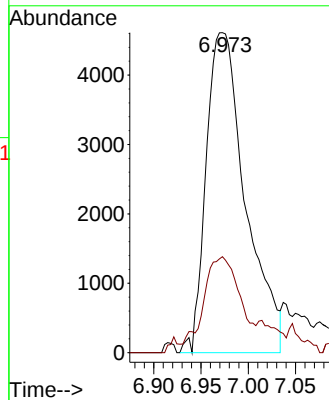
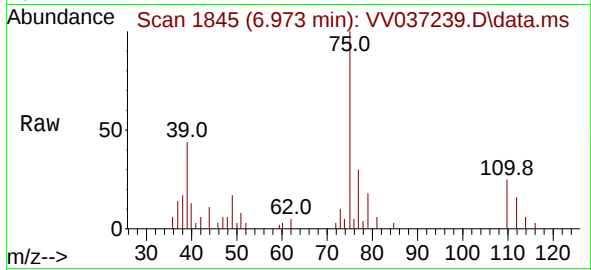
ClientSampleId :

Tgt Ion: 75 Resp: 13355

Ion Ratio Lower Upper

75 100

77 30.0 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 3.952 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.016 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

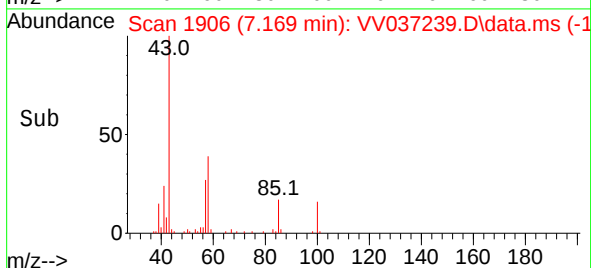
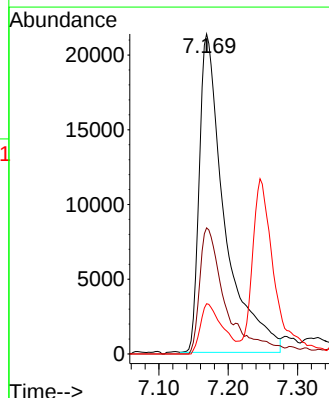
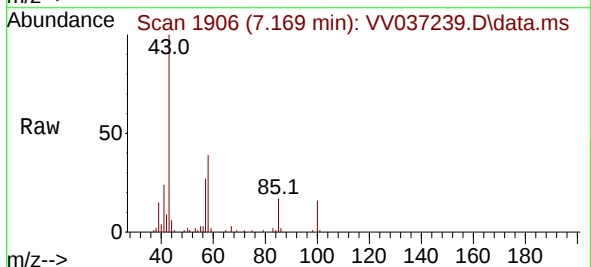
Tgt Ion: 43 Resp: 54105

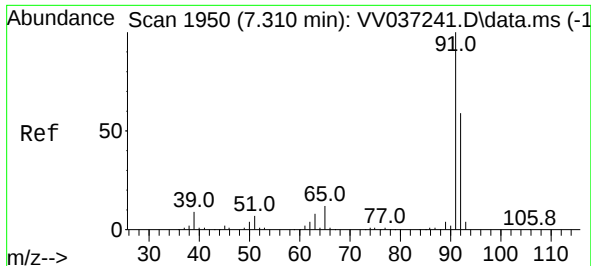
Ion Ratio Lower Upper

43 100

58 40.7 31.7 47.5

100 13.9 12.6 19.0





#42

Toluene

Concen: 0.412 ug/L

RT: 7.320 min Scan# 1950

Delta R.T. 0.010 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

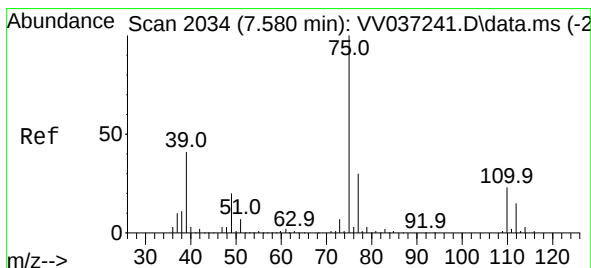
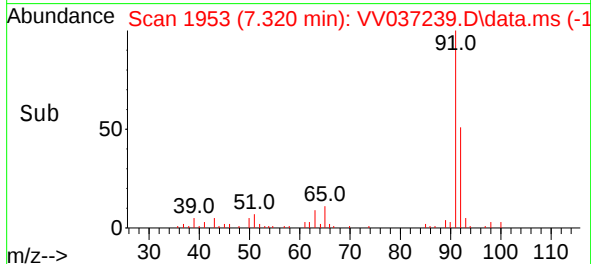
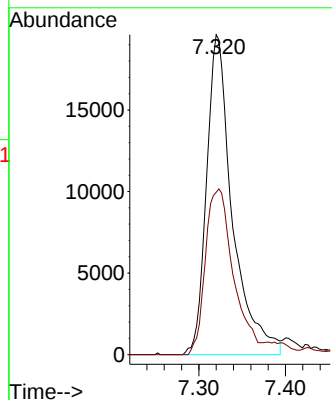
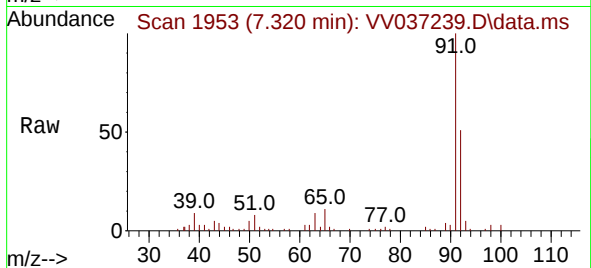
ClientSampleId :

Tgt Ion: 91 Resp: 40629

Ion Ratio Lower Upper

91 100

92 50.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 0.387 ug/L

RT: 7.600 min Scan# 2040

Delta R.T. 0.019 min

Lab File: VV037239.D

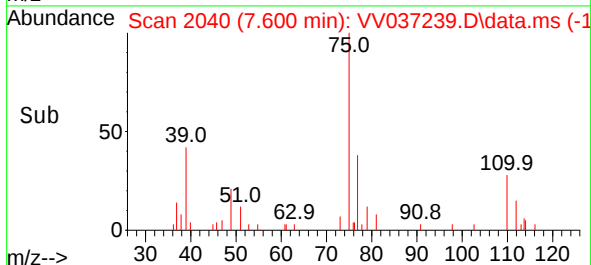
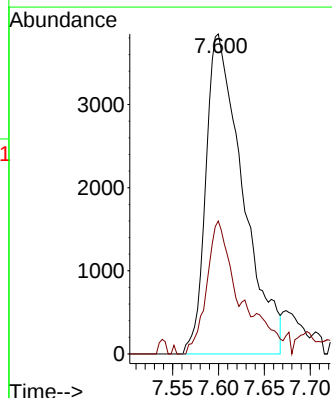
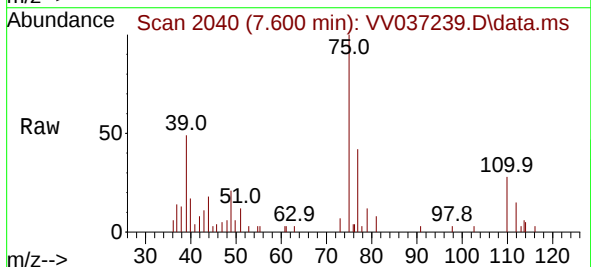
Acq: 10 Sep 2024 09:07

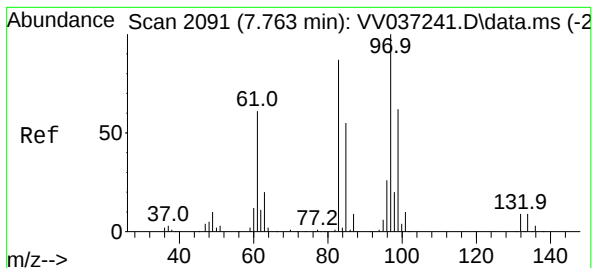
Tgt Ion: 75 Resp: 10763

Ion Ratio Lower Upper

75 100

77 41.6 20.9 38.9#





#45

1,1,2-Trichloroethane

Concen: 0.454 ug/L

RT: 7.776 min Scan# 2091

Delta R.T. 0.013 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 7828

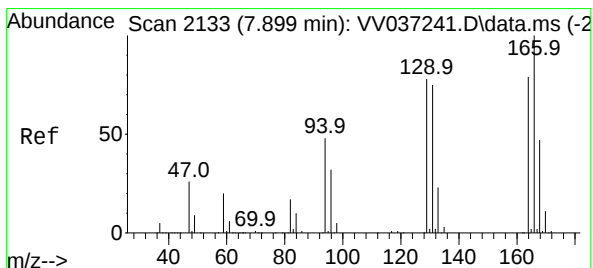
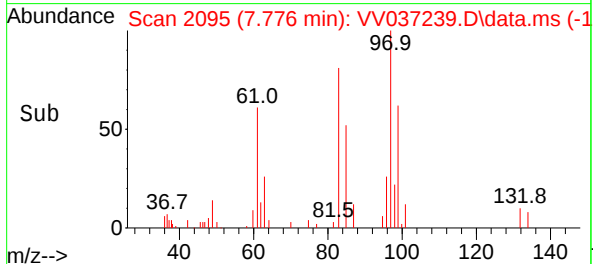
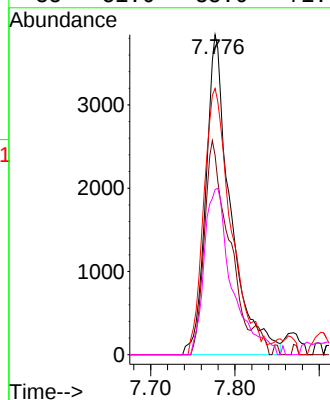
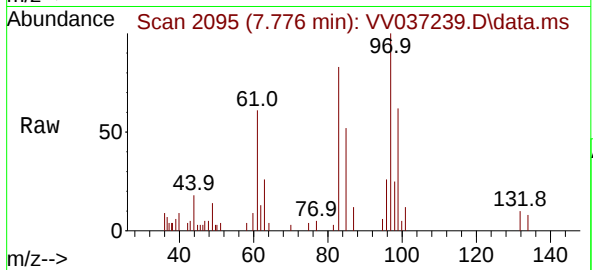
Ion Ratio Lower Upper

97 100

99 62.3 43.1 80.1

83 83.2 61.0 113.4

85 51.6 38.6 71.6



#47

Tetrachloroethene

Concen: 0.451 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Tgt Ion:164 Resp: 8232

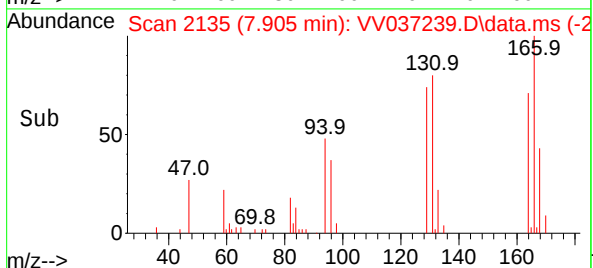
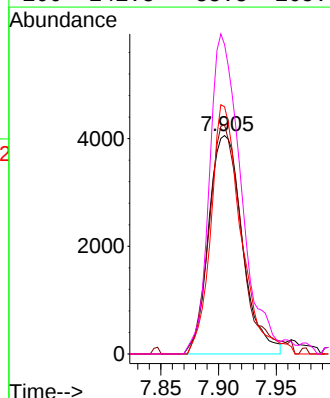
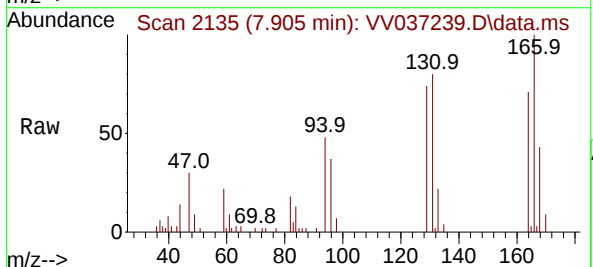
Ion Ratio Lower Upper

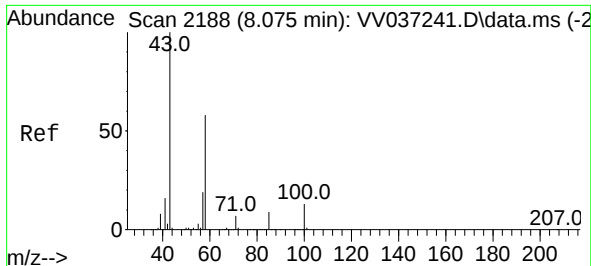
164 100

129 104.9 69.2 128.4

131 113.2 66.6 123.8

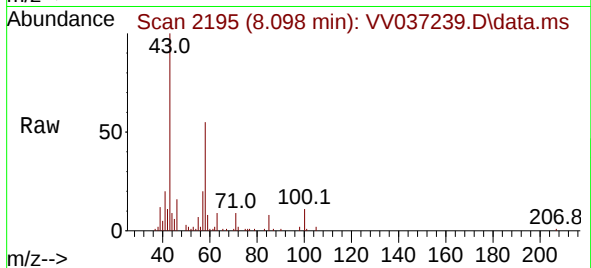
166 141.8 88.8 165.0



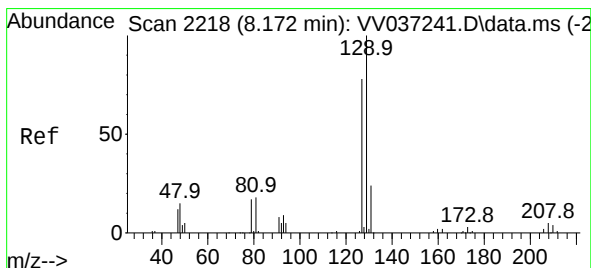
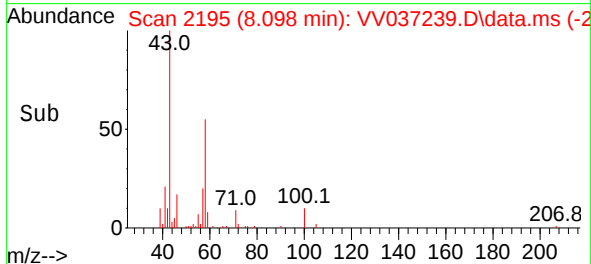
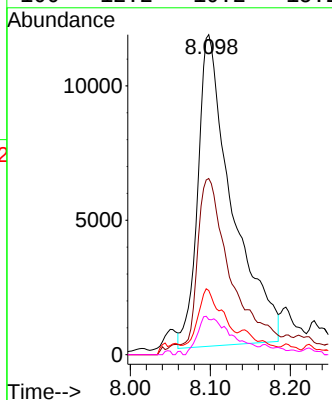


#48
2-Hexanone
Concen: 3.659 ug/L
RT: 8.098 min Scan# 2188
Delta R.T. 0.023 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

Instrument :
MSVOA_V
ClientSampleId :

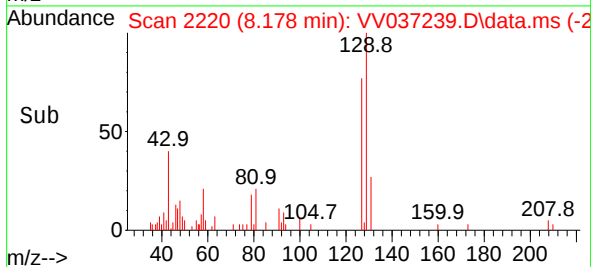
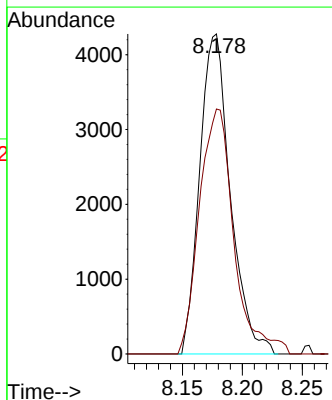
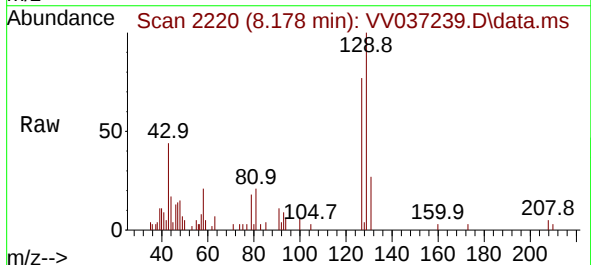


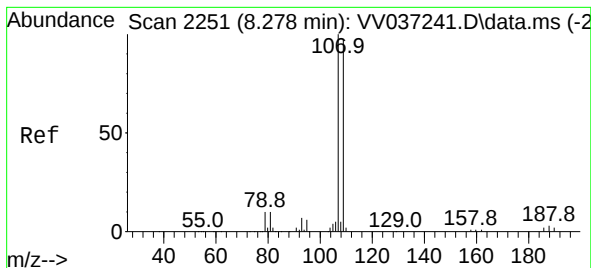
Tgt Ion: 43 Resp: 34504
Ion Ratio Lower Upper
43 100
58 58.8 45.5 68.3
57 12.3 15.3 22.9#
100 12.2 10.2 15.2



#49
Dibromochloromethane
Concen: 0.421 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.007 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

Tgt Ion: 129 Resp: 7610
Ion Ratio Lower Upper
129 100
127 76.6 54.5 101.1





#50

1,2-Dibromoethane

Concen: 0.456 ug/L

RT: 8.288 min Scan# 2418

Delta R.T. 0.010 min

Lab File: VV037239.D

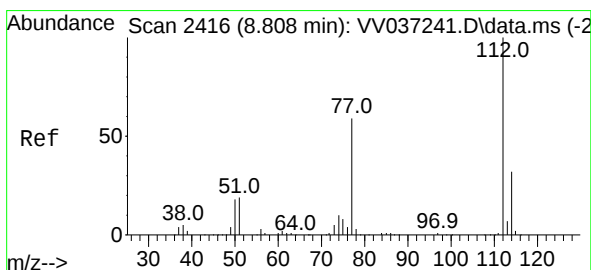
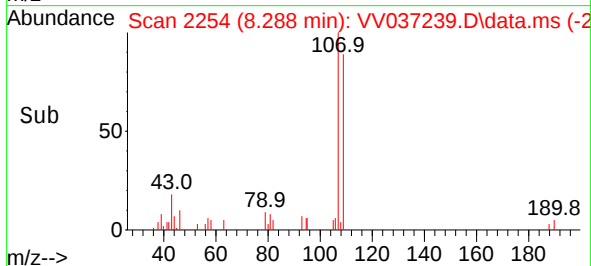
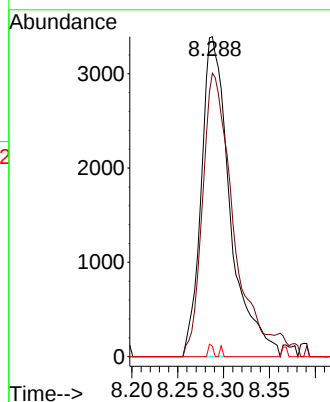
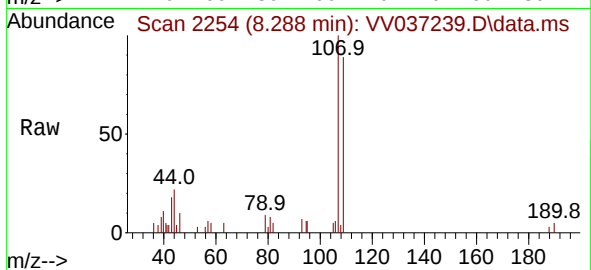
Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	7425
Ion	Ratio	Lower Upper
107	100	
109	88.6	68.1 126.5
188	3.3	2.7 4.1



#51

Chlorobenzene

Concen: 0.450 ug/L

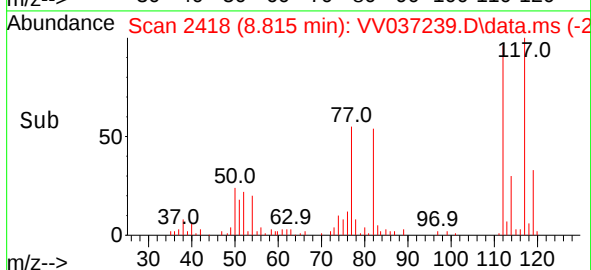
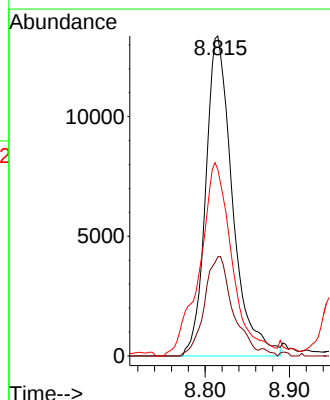
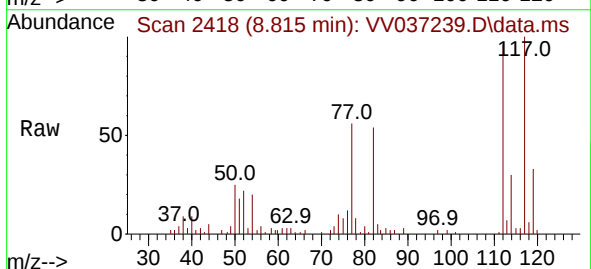
RT: 8.815 min Scan# 2418

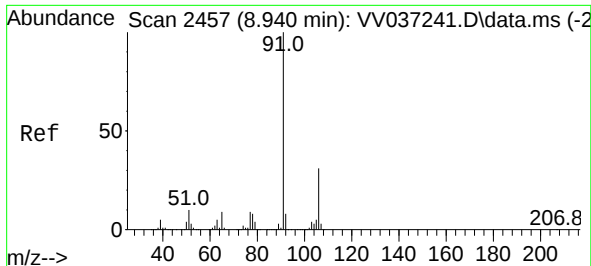
Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Tgt Ion:112	Resp:	29506
Ion	Ratio	Lower Upper
112	100	
114	31.0	22.6 42.0
77	58.3	47.0 70.6





#52

Ethylbenzene

Concen: 0.423 ug/L

RT: 8.947 min Scan# 2457

Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

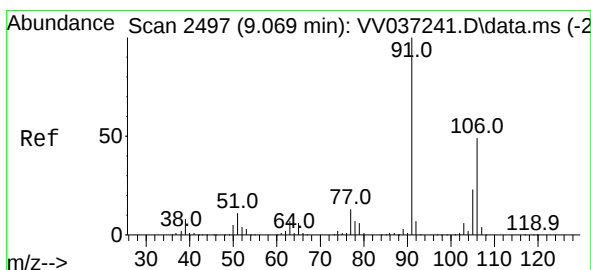
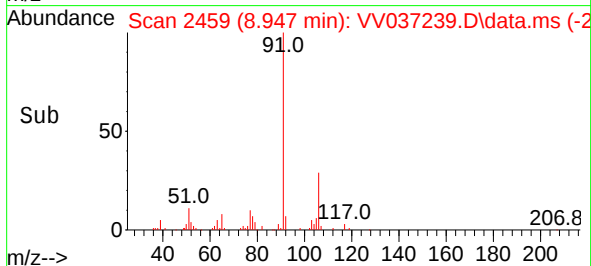
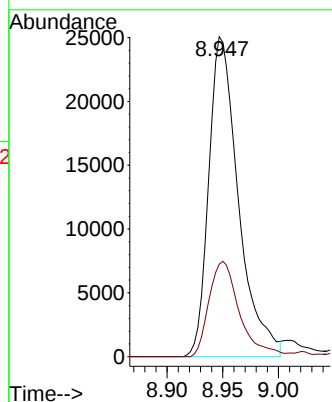
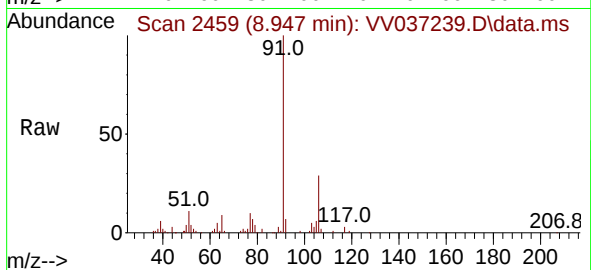
ClientSampleId :

Tgt Ion: 91 Resp: 46541

Ion Ratio Lower Upper

91 100

106 28.9 21.7 40.3



#53

m,p-Xylene

Concen: 0.380 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.007 min

Lab File: VV037239.D

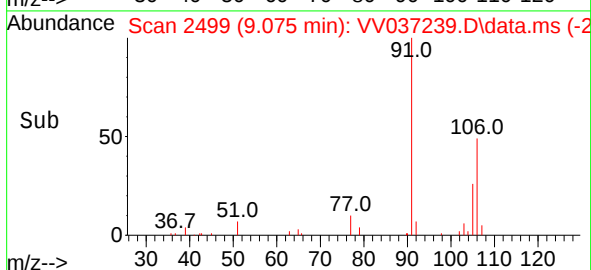
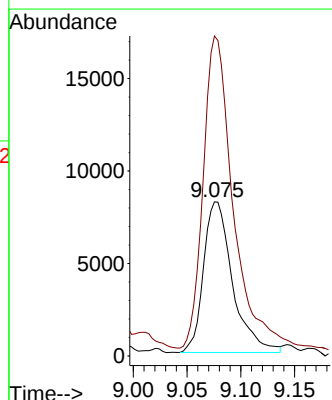
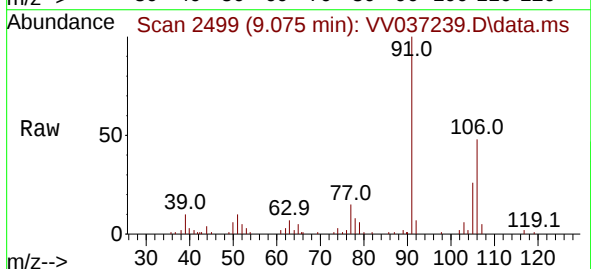
Acq: 10 Sep 2024 09:07

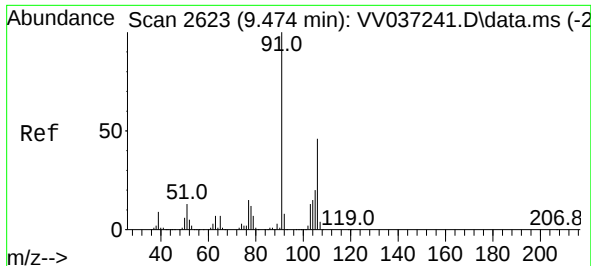
Tgt Ion:106 Resp: 15358

Ion Ratio Lower Upper

106 100

91 207.7 143.3 266.1

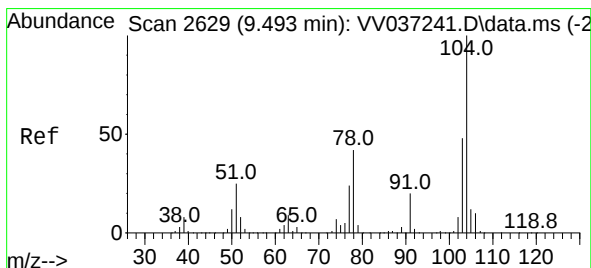
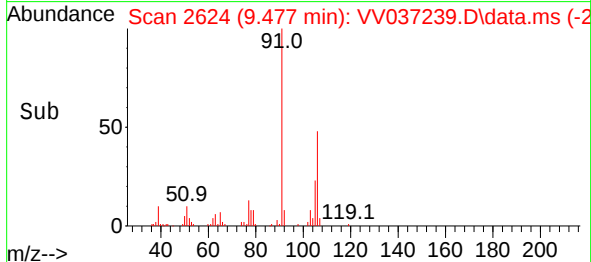
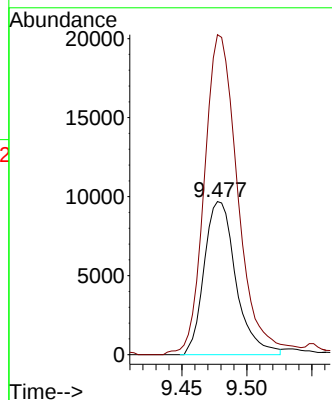
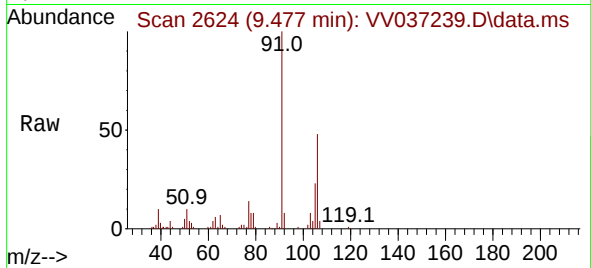




#54
o-Xylene
Concen: 0.412 ug/L
RT: 9.477 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

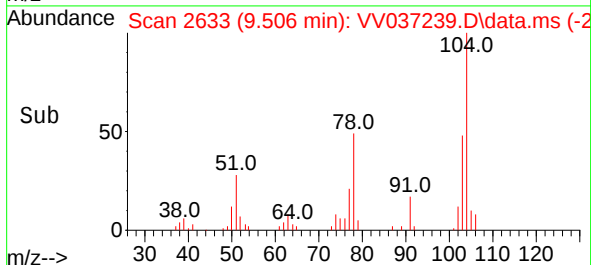
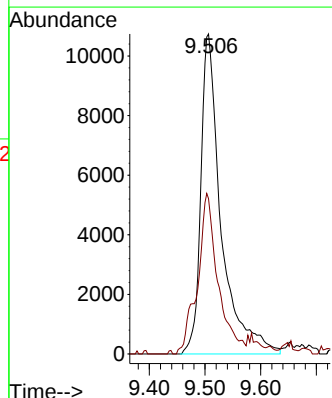
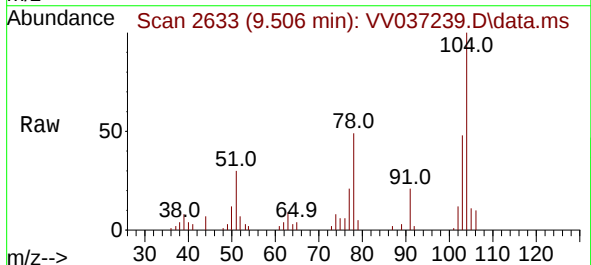
Instrument :
MSVOA_V
ClientSampleId :

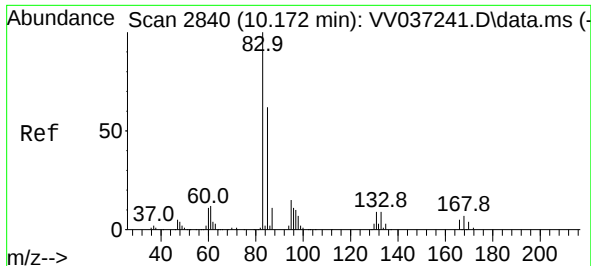
Tgt Ion:106 Resp: 16485
Ion Ratio Lower Upper
106 100
91 208.9 151.8 282.0



#55
Styrene
Concen: 0.401 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.013 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

Tgt Ion:104 Resp: 27233
Ion Ratio Lower Upper
104 100
78 48.5 29.2 54.2

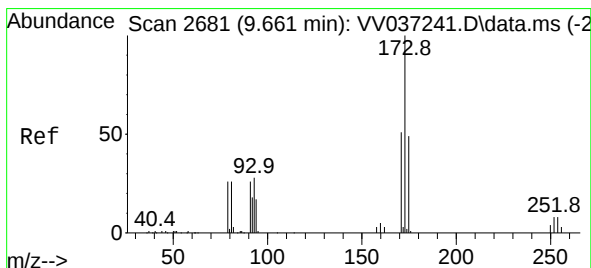
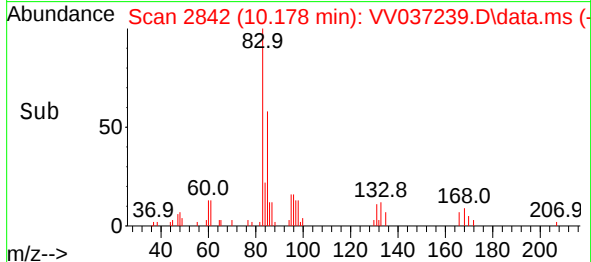
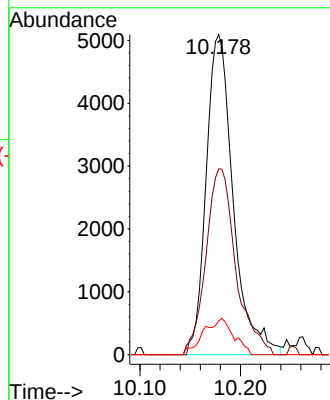
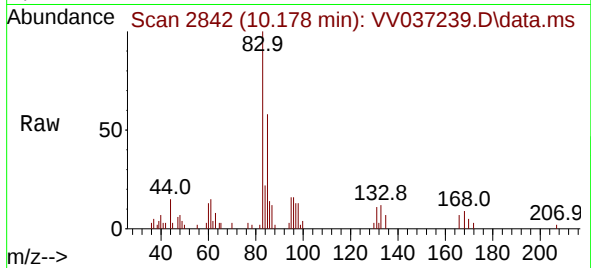




#57
1,1,2,2-Tetrachloroethane
Concen: 0.458 ug/L
RT: 10.178 min Scan# 2840
Delta R.T. 0.007 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

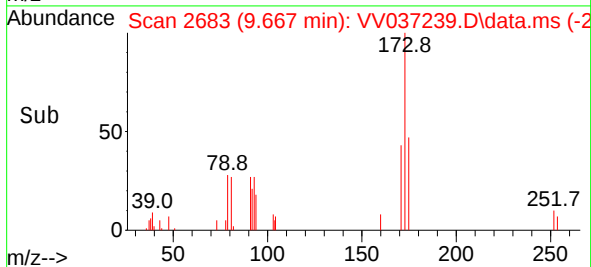
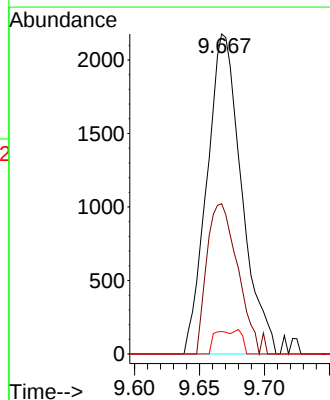
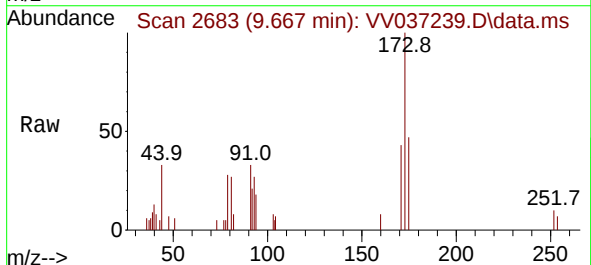
Instrument :
MSVOA_V
ClientSampleId :

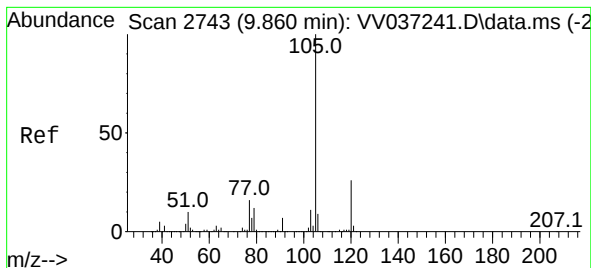
Tgt Ion: 83 Resp: 9546
Ion Ratio Lower Upper
83 100
85 58.1 43.2 80.2
131 10.5 6.9 10.3#



#59
Bromoform
Concen: 0.452 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.007 min
Lab File: VV037239.D
Acq: 10 Sep 2024 09:07

Tgt Ion: 173 Resp: 4031
Ion Ratio Lower Upper
173 100
175 42.2 38.7 58.1
254 3.5 6.8 10.2#





#60

Isopropylbenzene

Concen: 0.437 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV037239.D

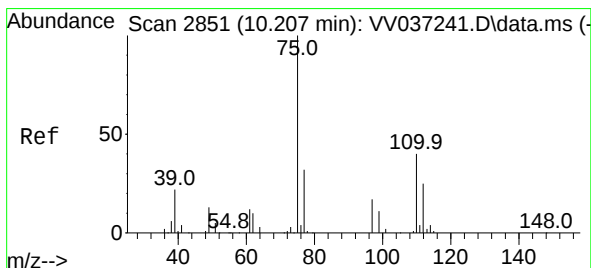
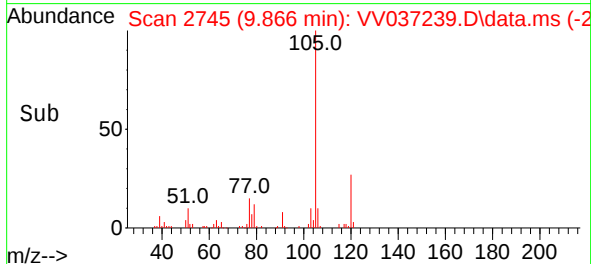
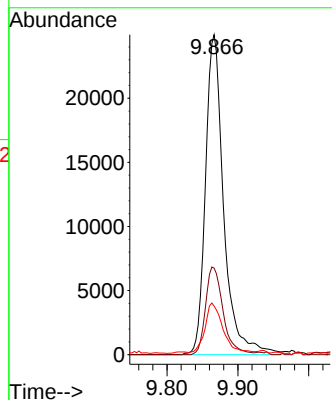
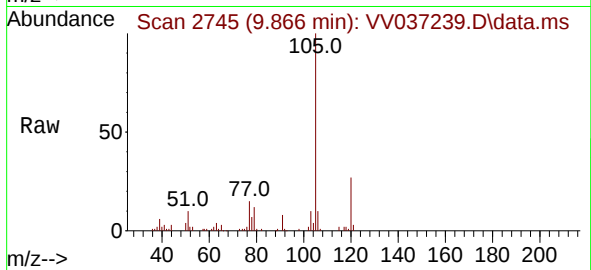
Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	105	Resp:	44628
Ion Ratio	Lower	Upper	
105	100		
120	26.3	20.2	30.4
77	14.6	12.7	19.1



#61

1,2,3-Trichloropropane

Concen: 0.491 ug/L

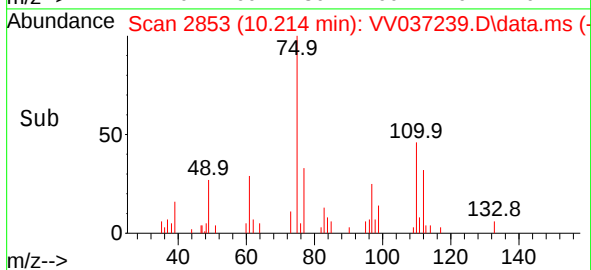
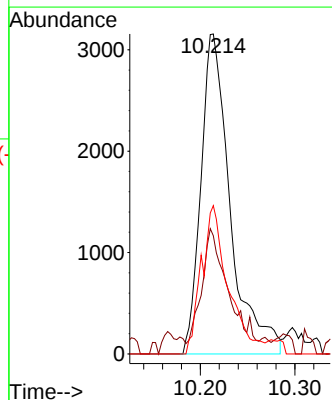
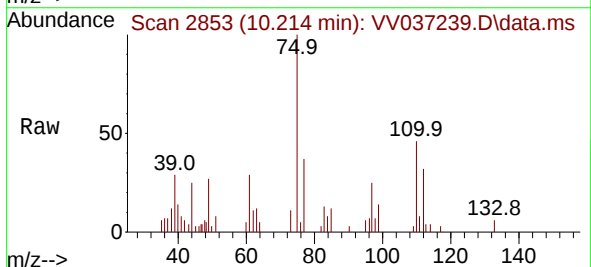
RT: 10.214 min Scan# 2853

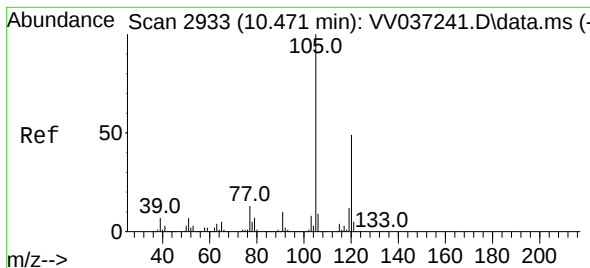
Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Tgt Ion:	75	Resp:	6811
Ion Ratio	Lower	Upper	
75	100		
77	29.2	25.6	38.4
110	42.4	31.0	46.4





#62

1,3,5-Trimethylbenzene

Concen: 0.412 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

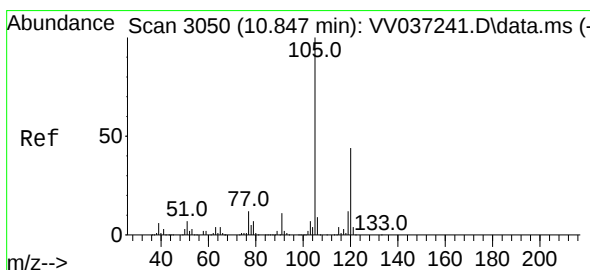
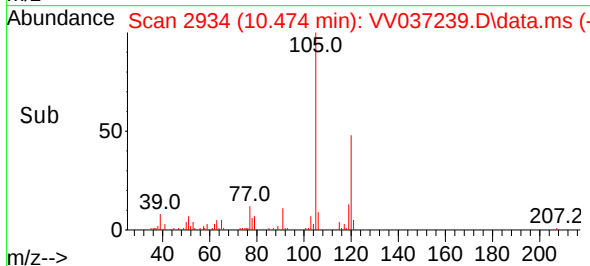
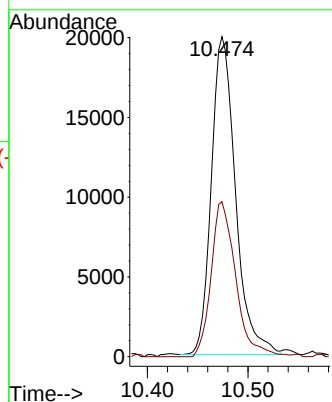
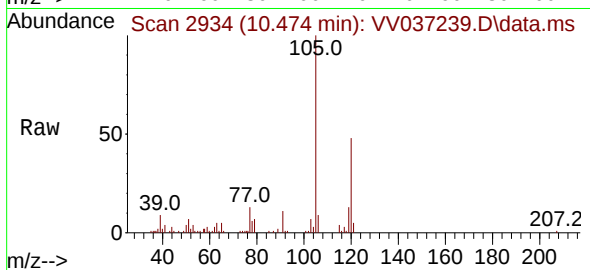
ClientSampleId :

Tgt Ion:105 Resp: 33340

Ion Ratio Lower Upper

105 100

120 49.6 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 0.411 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV037239.D

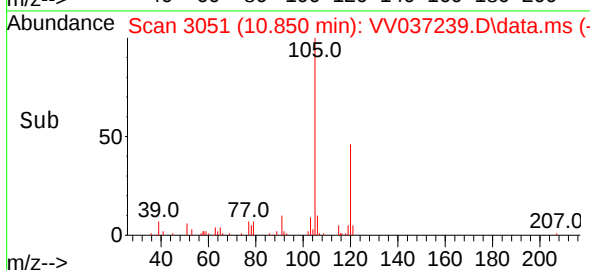
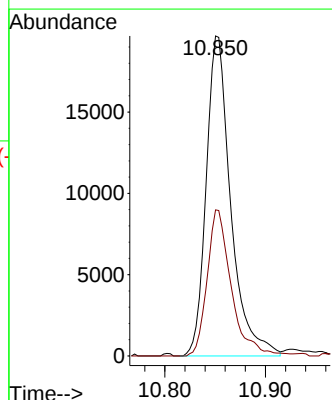
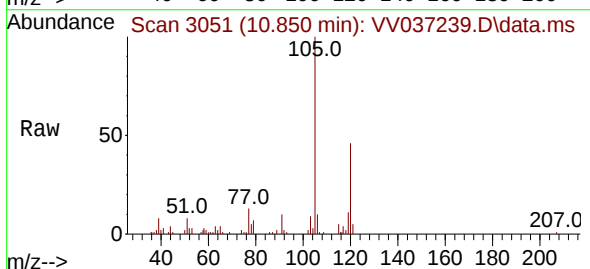
Acq: 10 Sep 2024 09:07

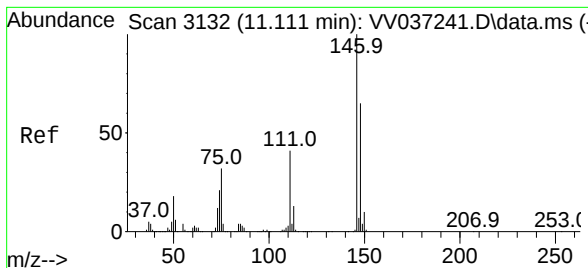
Tgt Ion:105 Resp: 33425

Ion Ratio Lower Upper

105 100

120 44.8 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 0.463 ug/L

RT: 11.120 min Scan# 3132

Delta R.T. 0.010 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

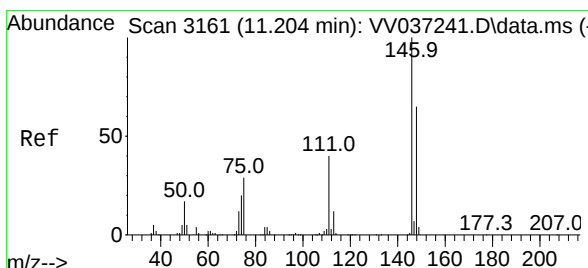
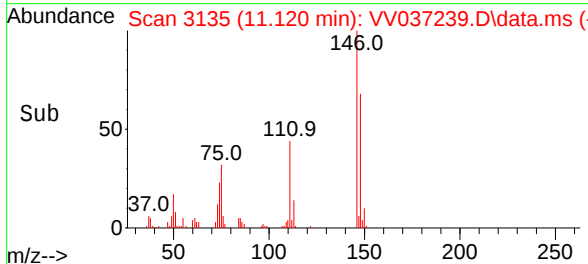
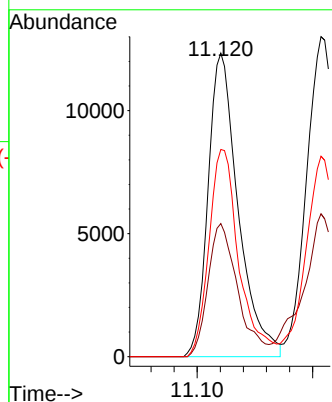
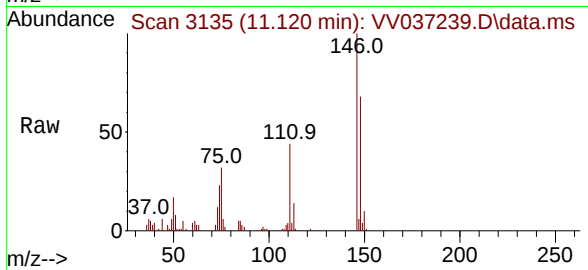
Tgt Ion:146 Resp: 22348

Ion Ratio Lower Upper

146 100

111 43.8 28.8 53.4

148 68.3 45.6 84.6



#65

1,4-Dichlorobenzene

Concen: 0.496 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

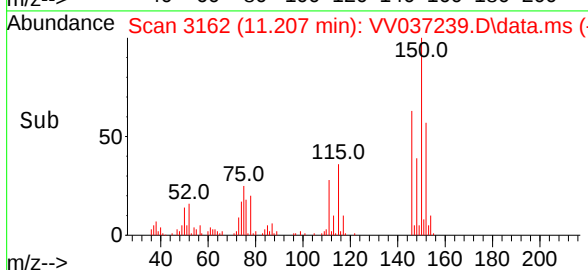
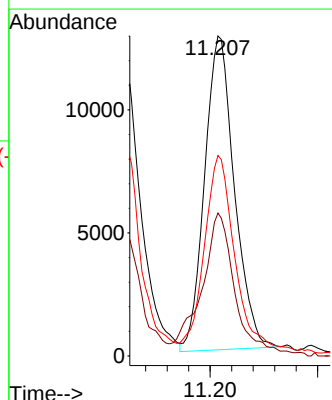
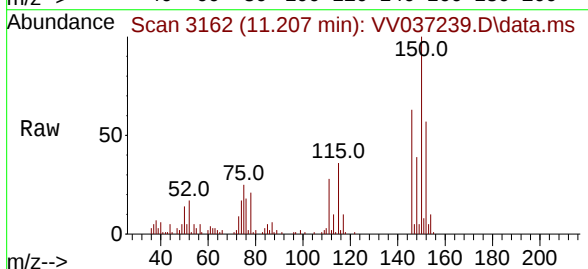
Tgt Ion:146 Resp: 24533

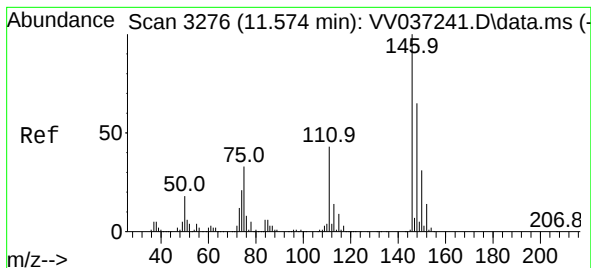
Ion Ratio Lower Upper

146 100

111 44.7 28.2 52.4

148 62.6 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 0.480 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

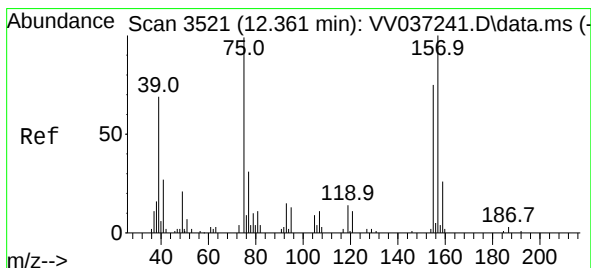
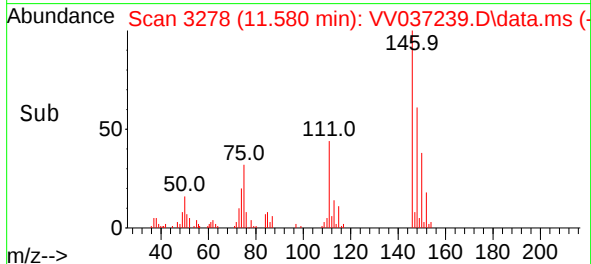
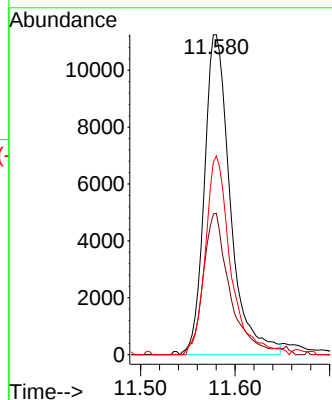
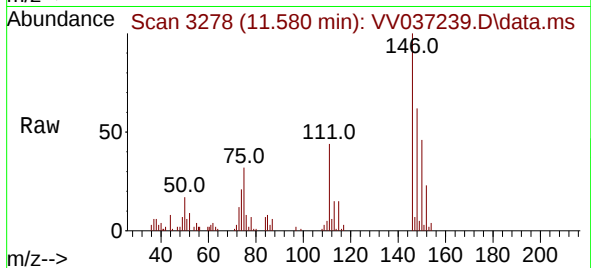
Tgt Ion:146 Resp: 21479

Ion Ratio Lower Upper

146 100

111 44.1 34.4 51.6

148 62.1 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.386 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.010 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

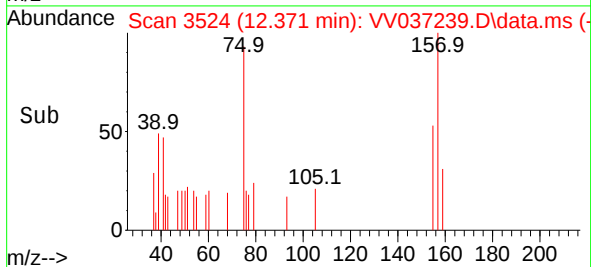
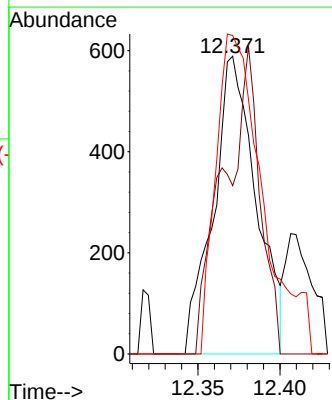
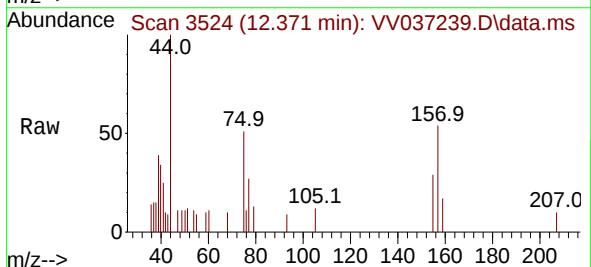
Tgt Ion: 75 Resp: 1071

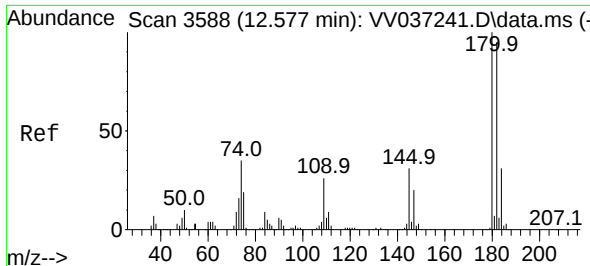
Ion Ratio Lower Upper

75 100

155 56.5 60.6 90.8#

157 107.0 81.1 121.7





#69

1,3,5-Trichlorobenzene

Concen: 0.481 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.007 min

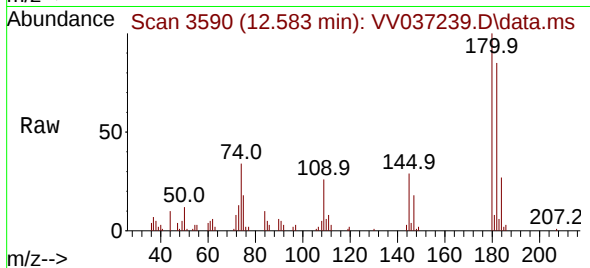
Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 16558

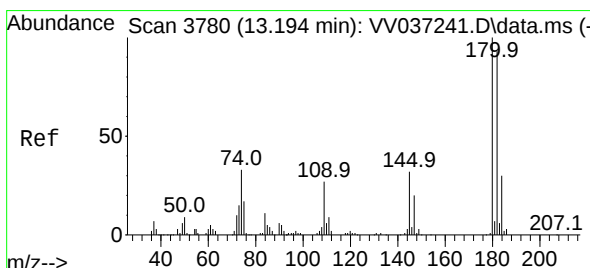
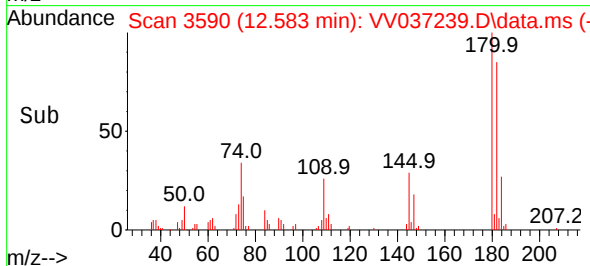
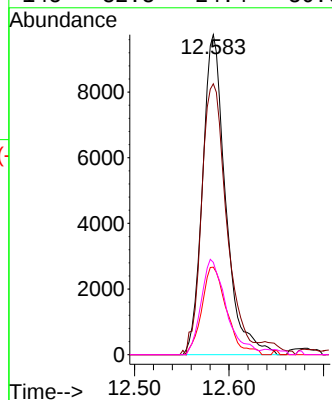
Ion Ratio Lower Upper

180 100

182 91.9 74.3 111.5

184 29.3 24.3 36.5

145 32.3 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 0.459 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.007 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

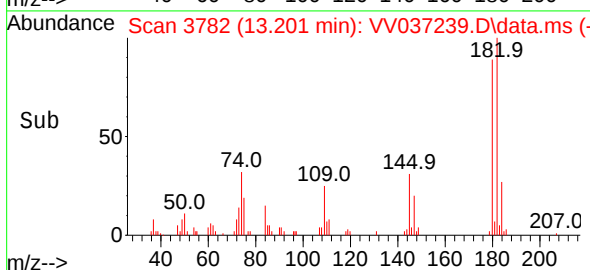
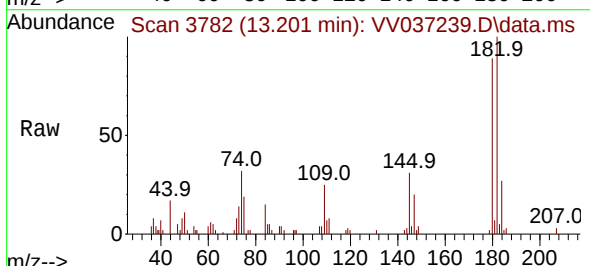
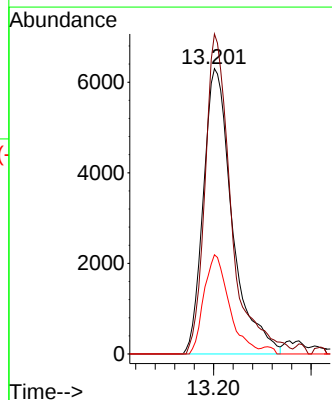
Tgt Ion:180 Resp: 12992

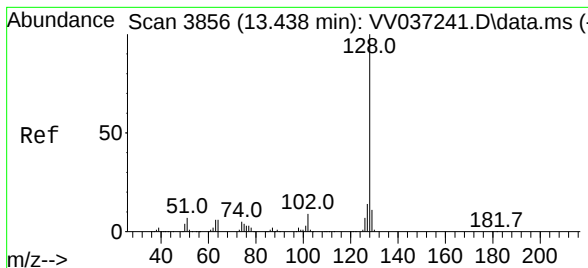
Ion Ratio Lower Upper

180 100

182 101.3 75.4 113.0

145 30.4 25.8 38.6





#71

Naphthalene

Concen: 0.465 ug/L

RT: 13.445 min Scan# 3856

Delta R.T. 0.007 min

Lab File: VV037239.D

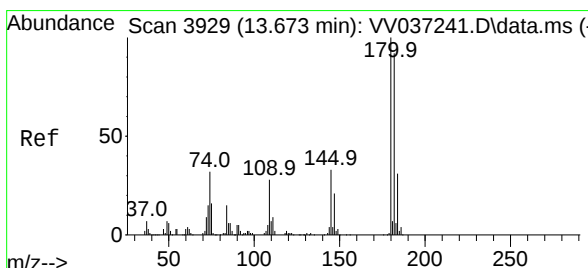
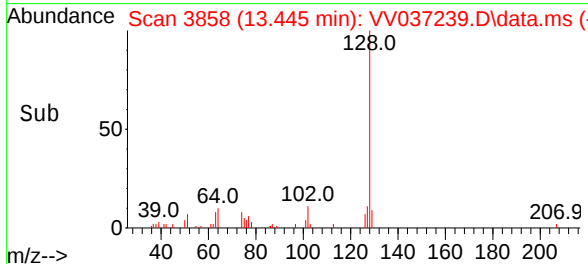
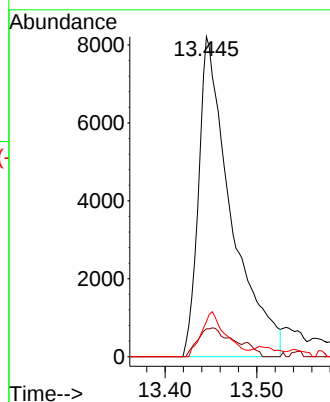
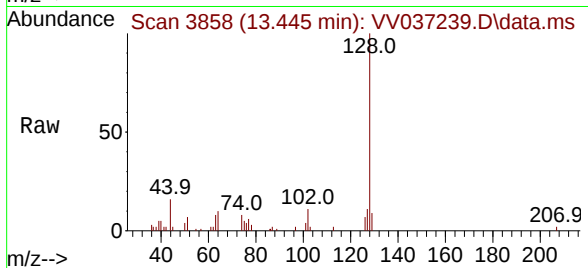
Acq: 10 Sep 2024 09:07

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	20151
Ion Ratio	Lower	Upper	
128	100		
129	8.9	8.6	12.8
127	10.6	10.2	15.2



#72

1,2,3-Trichlorobenzene

Concen: 0.435 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.010 min

Lab File: VV037239.D

Acq: 10 Sep 2024 09:07

Tgt Ion:	180	Resp:	10203
Ion Ratio	Lower	Upper	
180	100		
182	94.4	73.4	110.0
145	36.2	27.2	40.8

