

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050624\
 Data File : VV035536.D
 Acq On : 06 May 2024 15:18
 Operator : SY/MD
 Sample : VSTD2.506
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 08 01:31:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 01:28:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	441106	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	453671	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	252995	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	22139	3.247	ug/L	0.00
7) Chloroethane-d5	1.529	69	17238	3.134	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	9807	3.249	ug/L	0.00
21) 2-Butanone-d5	4.063	46	135	0.070	ug/L	0.23
24) Chloroform-d	4.252	84	39706	3.028	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	19260	2.971	ug/L	0.01
32) Benzene-d6	4.963	84	76249	3.070	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	23715	3.094	ug/L	0.00
41) Toluene-d8	7.246	98	64937	2.938	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.564	79	9521	2.905	ug/L	0.01
47) 2-Hexanone-d5	8.056	63	5291	3.839	ug/L	0.03
56) 1,1,2,2-Tetrachloroeth...	10.153	84	20540	2.781	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	27857	3.173	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	25575	2.852	ug/L	100
3) Chloromethane	1.214	50	28782	3.197	ug/L	99
5) Vinyl chloride	1.278	62	26386	2.837	ug/L	97
6) Bromomethane	1.484	94	17719	3.008	ug/L	97
8) Chloroethane	1.545	64	15858	2.765	ug/L	97
9) Trichlorofluoromethane	1.709	101	32416	2.670	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	19980	2.608	ug/L	98
12) 1,1-Dichloroethene	2.066	96	19043	2.752	ug/L	86
13) Acetone	2.159	43	5359	1.892	ug/L	90
14) Carbon disulfide	2.236	76	69210	3.158	ug/L	97
15) Methyl Acetate	2.391	43	6686	1.548	ug/L #	86
16) Methylene chloride	2.445	84	37725	3.709	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	20695	2.694	ug/L	93
18) Methyl tert-butyl Ether	2.706	73	45326	2.446	ug/L	100
19) 1,1-Dichloroethane	3.111	63	37063	2.574	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	21160	2.541	ug/L	99
22) 2-Butanone	3.831	43	257	0.098	ug/L	84
23) Bromochloromethane	4.156	128	10517	2.611	ug/L	89
25) Chloroform	4.278	83	38685	2.601	ug/L	99
27) 1,2-Dichloroethane	5.050	62	23568	2.545	ug/L	98
29) Cyclohexane	4.577	56	27138	2.501	ug/L	97
30) 1,1,1-Trichloroethane	4.513	97	32634	2.594	ug/L	99
31) Carbon tetrachloride	4.732	117	28068	2.543	ug/L	99
33) Benzene	5.015	78	76014	2.532	ug/L	100
34) Trichloroethene	5.841	95	22538	2.654	ug/L	97
35) Methylcyclohexane	6.047	83	32689	2.535	ug/L	98
37) 1,2-Dichloropropane	6.098	63	19112	2.440	ug/L #	92
38) Bromodichloromethane	6.439	83	27066	2.550	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	28454	2.322	ug/L	98
40) 4-Methyl-2-pentanone	7.175	43	18745	4.056	ug/L	99
42) Toluene	7.320	91	75196	2.366	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	24470	2.283	ug/L	98

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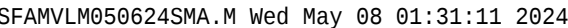
Quant Time: May 08 01:31:02 2024
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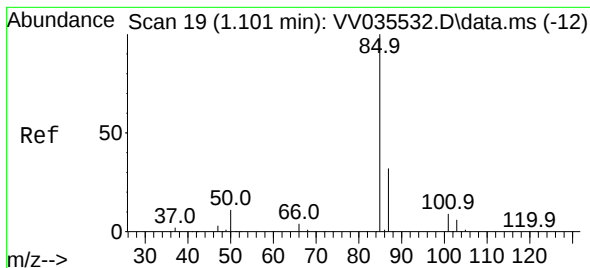
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.773	97	16921	2.542	ug/L	97
46) Tetrachloroethene	7.905	164	17955	2.602	ug/L	98
48) 2-Hexanone	8.063	43	464	0.134	ug/L #	50
49) Dibromochloromethane	8.178	129	18930	2.520	ug/L	97
50) 1,2-Dibromoethane	8.288	107	16424	2.505	ug/L	98
51) Chlorobenzene	8.815	112	57430	2.605	ug/L	98
52) Ethylbenzene	8.947	91	81908	2.335	ug/L	99
53) m,p-Xylene	9.075	106	30112	2.262	ug/L	98
54) o-Xylene	9.477	106	27272	2.162	ug/L	98
55) Styrene	9.500	104	45278	2.058	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	19779	2.439	ug/L	98
59) Bromoform	9.667	173	12494	2.513	ug/L #	94
60) Isopropylbenzene	9.866	105	75521	2.241	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	15783	2.662	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	53687	2.031	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	57268	2.108	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	45125	2.551	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	48605	2.655	ug/L	97
67) 1,2-Dichlorobenzene	11.580	146	43705	2.625	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	3339	2.428	ug/L	90
69) 1,3,5-Trichlorobenzene	12.580	180	34909	2.526	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	30204	2.617	ug/L	99
71) Naphthalene	13.442	128	52968	2.614	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	27936	2.691	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 2.852 ug/L

RT: 1.105 min Scan# 20

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

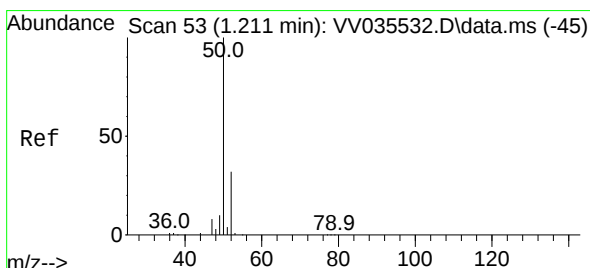
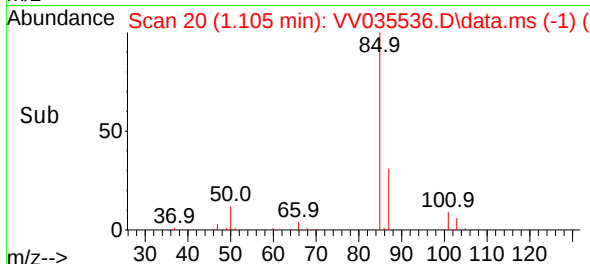
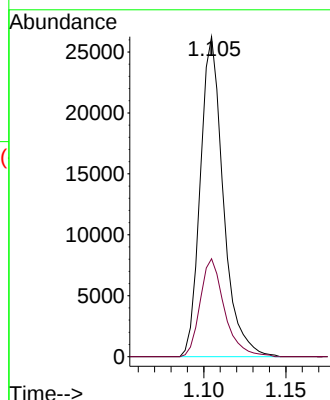
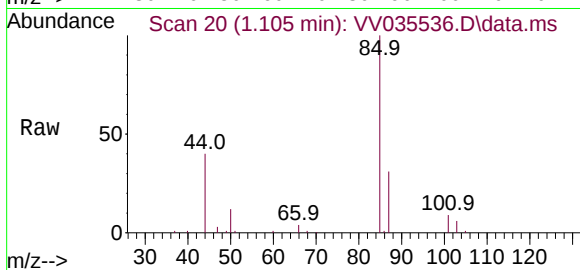
ClientSampleId :

Tgt Ion: 85 Resp: 25575

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.6



#3

Chloromethane

Concen: 3.197 ug/L

RT: 1.214 min Scan# 54

Delta R.T. 0.003 min

Lab File: VV035536.D

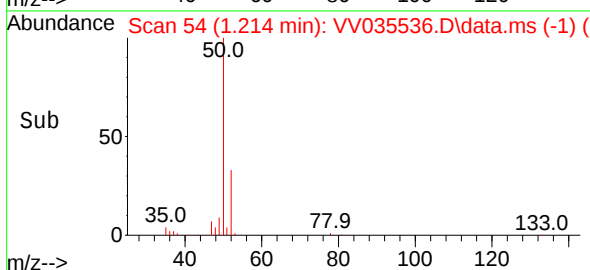
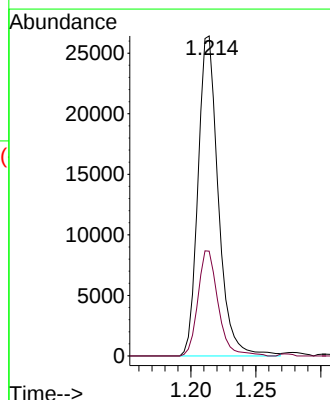
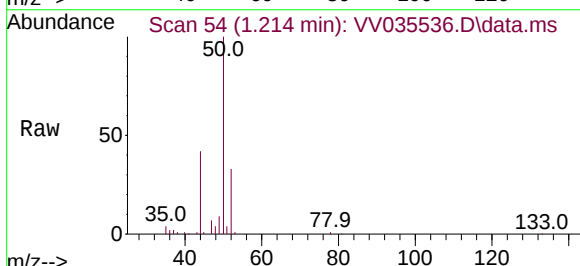
Acq: 06 May 2024 15:18

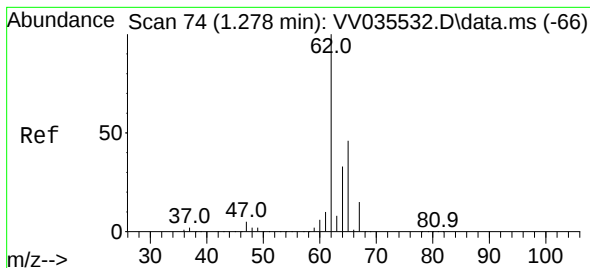
Tgt Ion: 50 Resp: 28782

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.1





#5

Vinyl chloride

Concen: 2.837 ug/L

RT: 1.278 min Scan# 74

Delta R.T. 0.000 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

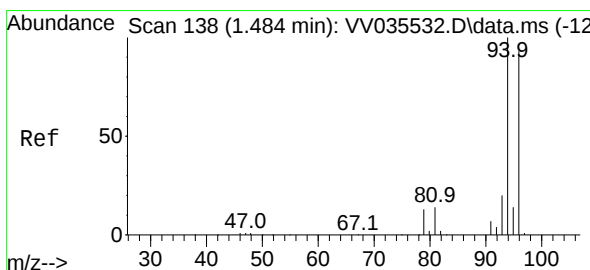
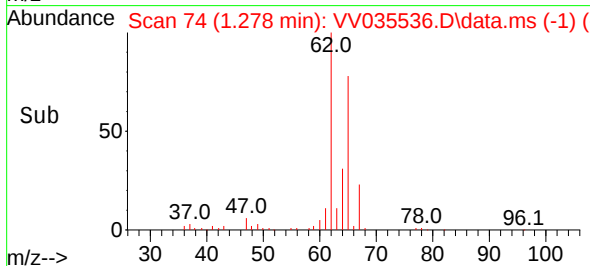
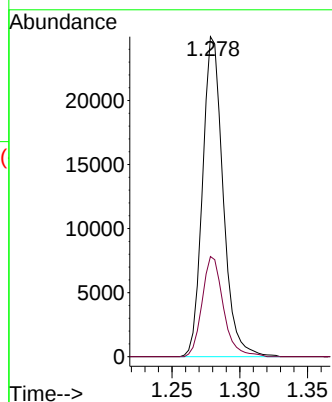
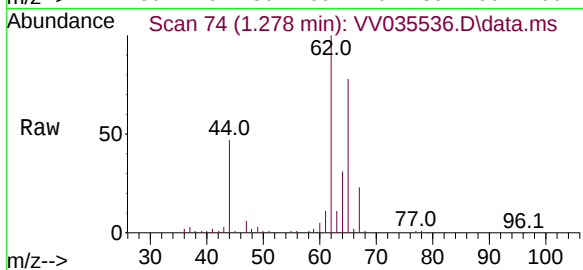
ClientSampleId :

Tgt Ion: 62 Resp: 26386

Ion Ratio Lower Upper

62 100

64 31.3 23.0 42.6



#6

Bromomethane

Concen: 3.008 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV035536.D

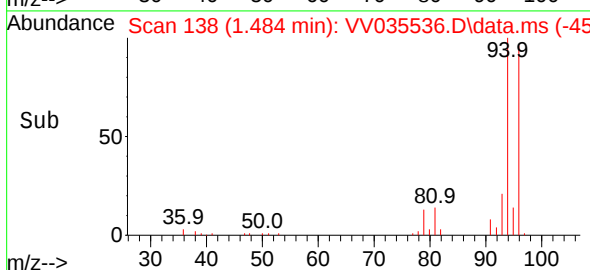
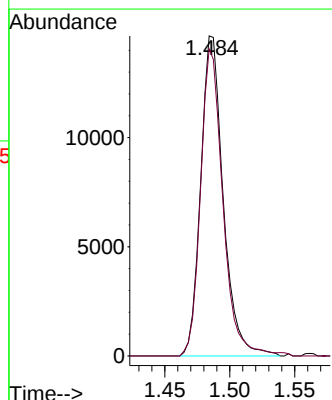
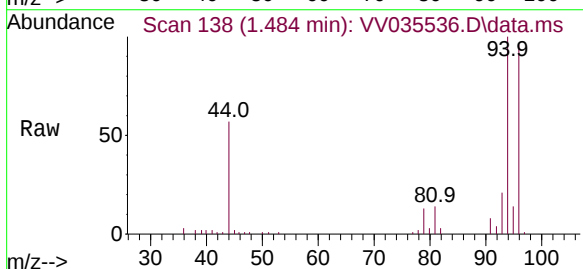
Acq: 06 May 2024 15:18

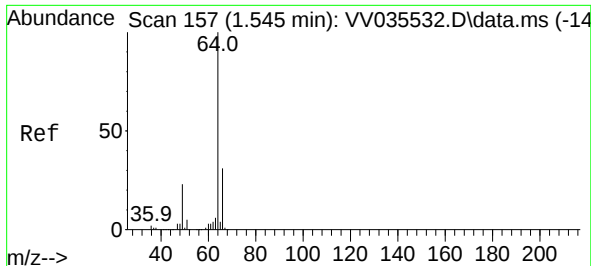
Tgt Ion: 94 Resp: 17719

Ion Ratio Lower Upper

94 100

96 96.0 65.2 121.0

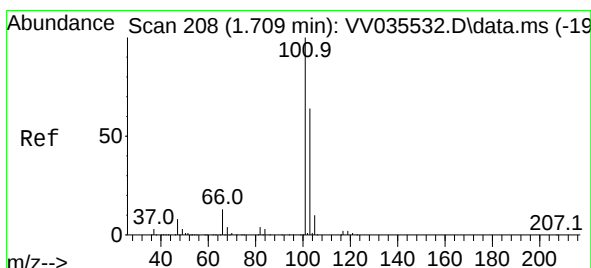
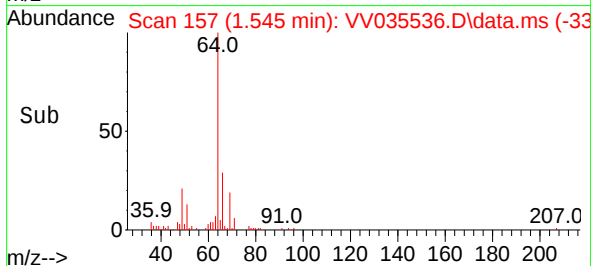
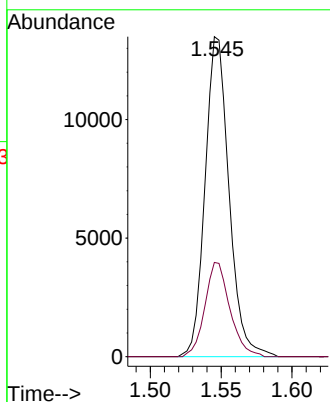
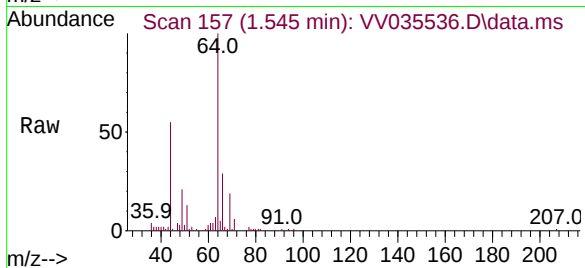




#8
Chloroethane
Concen: 2.765 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

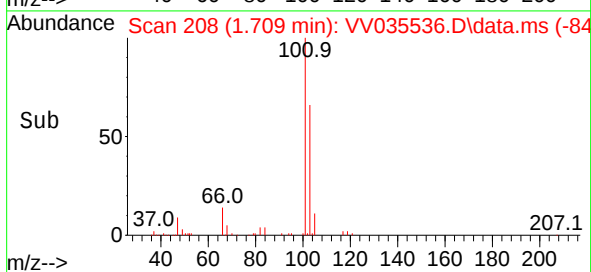
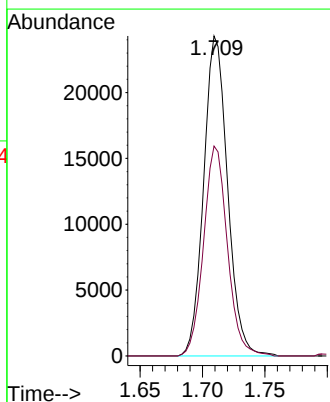
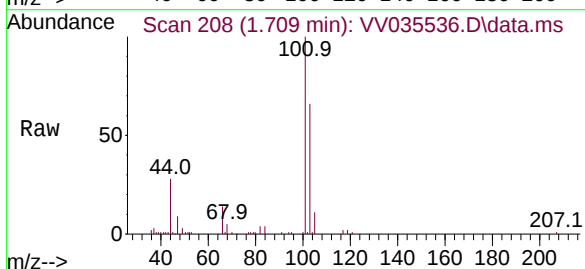
Instrument :
MSVOA_V
ClientSampleId :

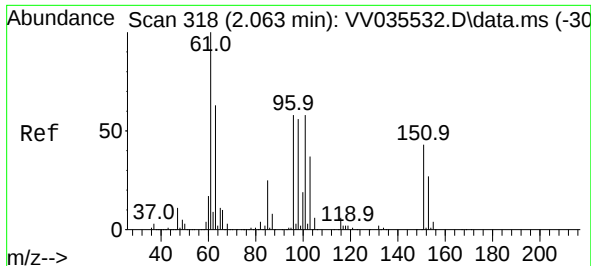
Tgt Ion: 64 Resp: 15858
Ion Ratio Lower Upper
64 100
66 29.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 2.670 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

Tgt Ion:101 Resp: 32416
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3





#10

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

Concen: 2.608 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

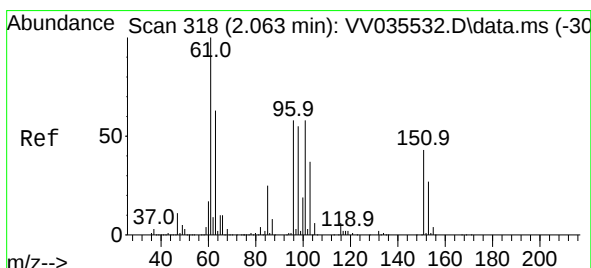
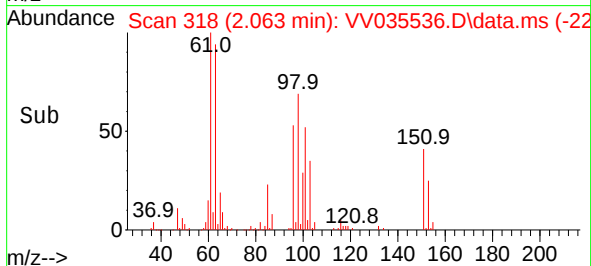
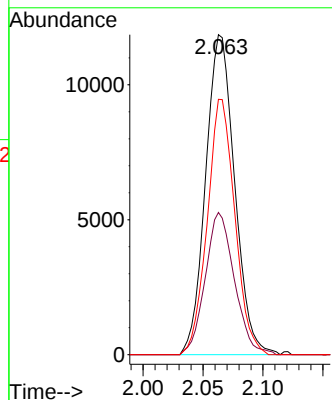
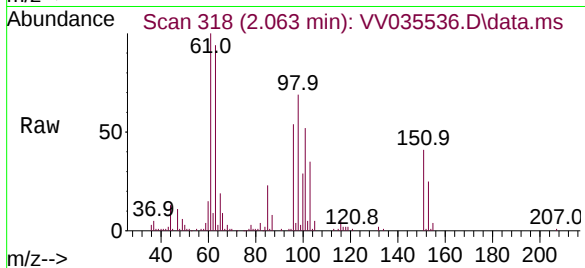
Tgt Ion:101 Resp: 19980

Ion Ratio Lower Upper

101 100

85 44.6 34.2 51.4

151 75.8 59.5 89.3



#12

1,1-Dichloroethene

Concen: 2.752 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

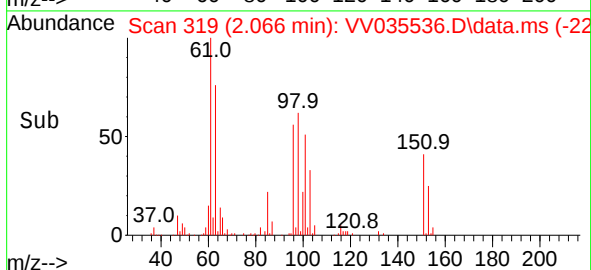
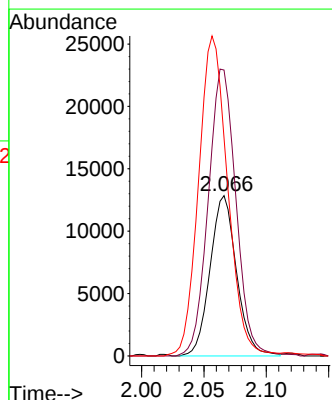
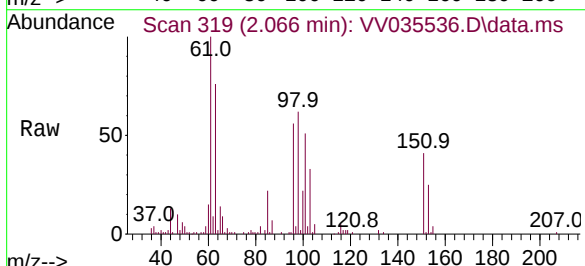
Tgt Ion: 96 Resp: 19043

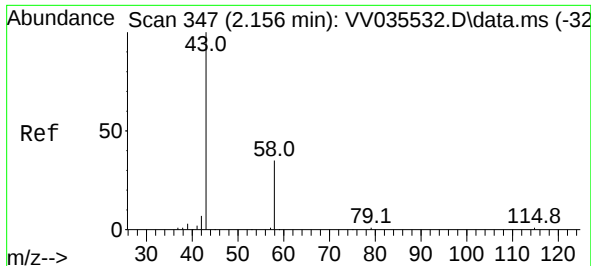
Ion Ratio Lower Upper

96 100

61 178.3 119.8 222.4

63 135.9 75.6 140.4





#13

Acetone

Concen: 1.892 ug/L

RT: 2.159 min Scan# 347

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

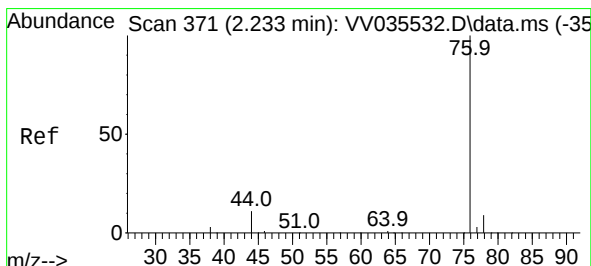
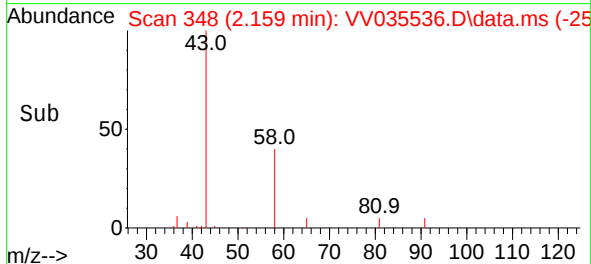
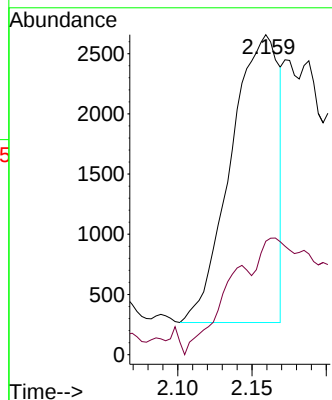
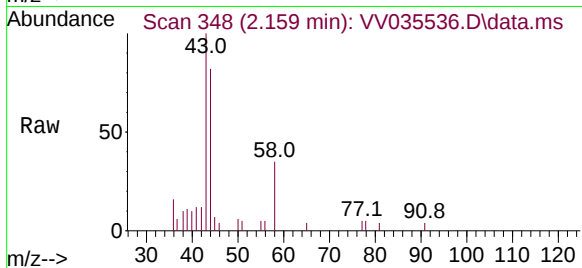
ClientSampleId :

Tgt Ion: 43 Resp: 5359

Ion Ratio Lower Upper

43 100

58 7.5 0.0 22.8



#14

Carbon disulfide

Concen: 3.158 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV035536.D

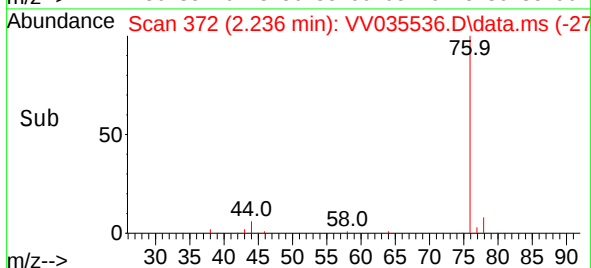
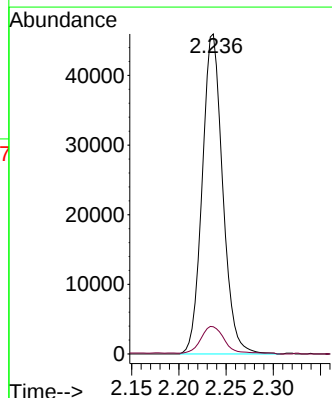
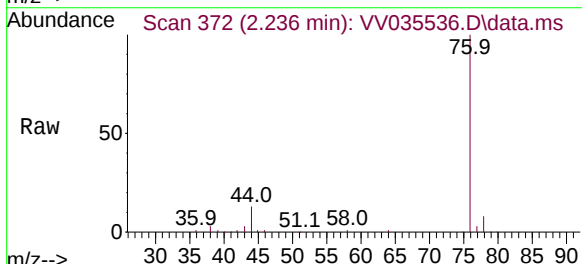
Acq: 06 May 2024 15:18

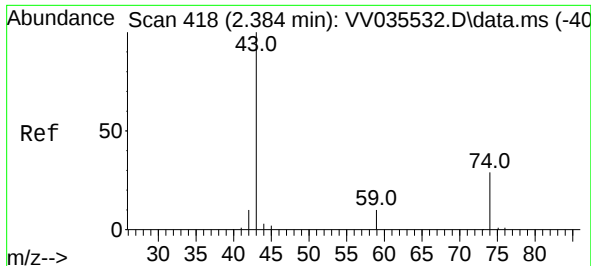
Tgt Ion: 76 Resp: 69210

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3





#15

Methyl Acetate

Concen: 1.548 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.007 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

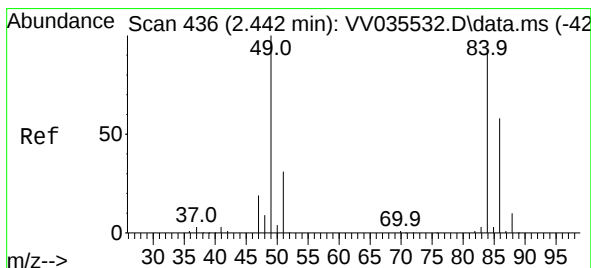
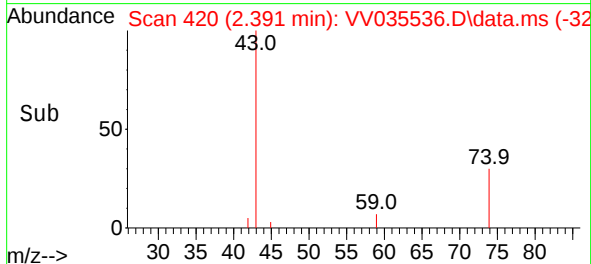
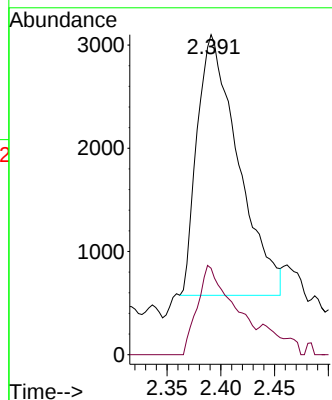
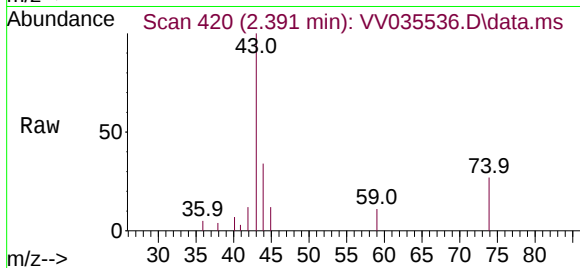
ClientSampleId :

Tgt Ion: 43 Resp: 6686

Ion Ratio Lower Upper

43 100

74 30.3 18.6 27.8#



#16

Methylene chloride

Concen: 3.709 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

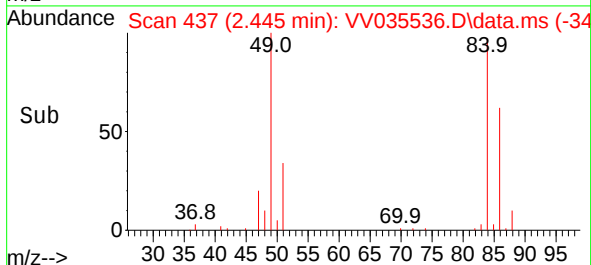
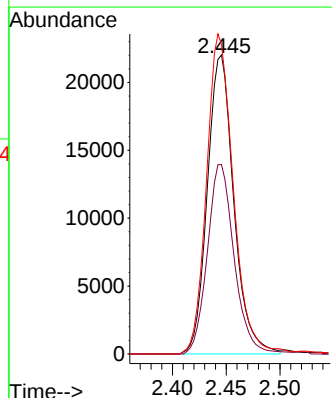
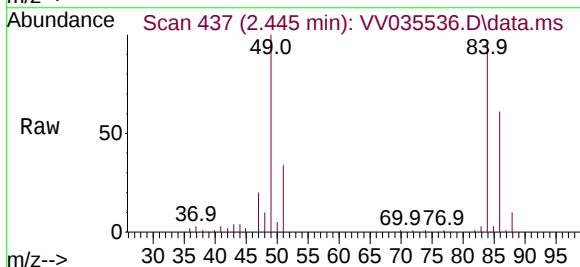
Tgt Ion: 84 Resp: 37725

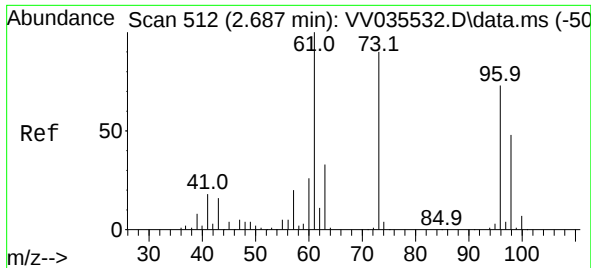
Ion Ratio Lower Upper

84 100

86 63.4 43.8 81.3

49 103.6 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 2.694 ug/L

RT: 2.693 min Scan# 514

Delta R.T. 0.007 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

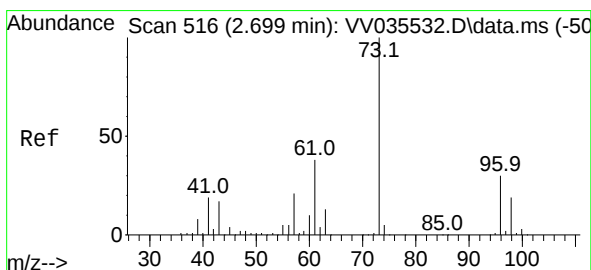
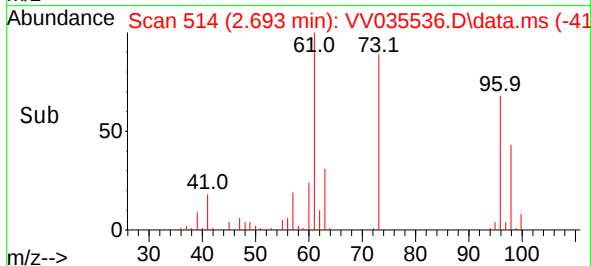
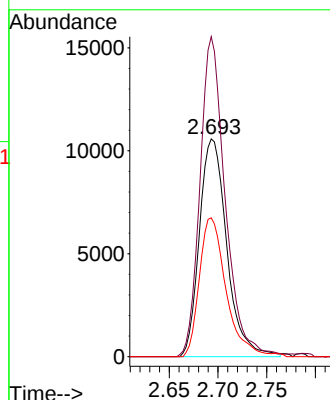
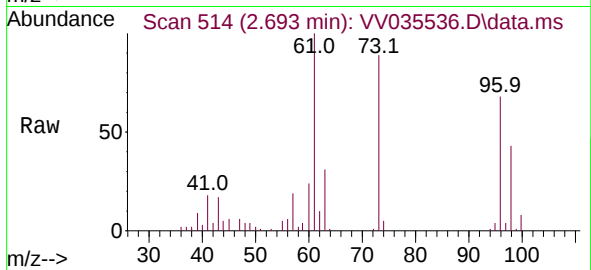
Tgt Ion: 96 Resp: 20695

Ion Ratio Lower Upper

96 100

61 147.0 95.5 177.4

98 63.8 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 2.446 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.007 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

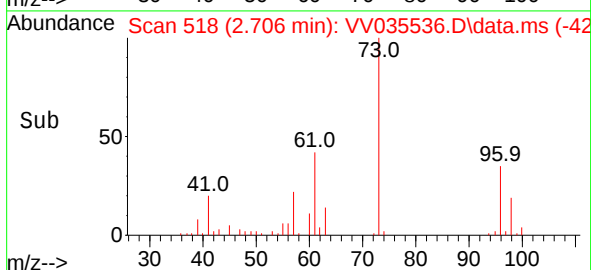
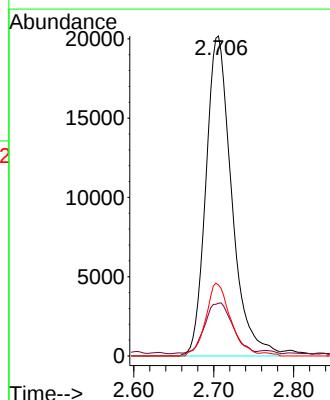
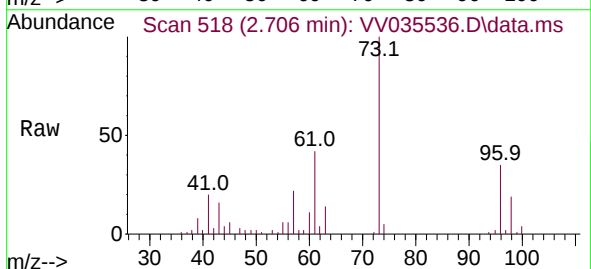
Tgt Ion: 73 Resp: 45326

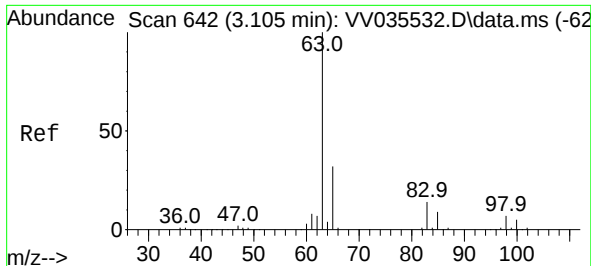
Ion Ratio Lower Upper

73 100

43 16.7 13.3 19.9

57 21.9 17.4 26.2

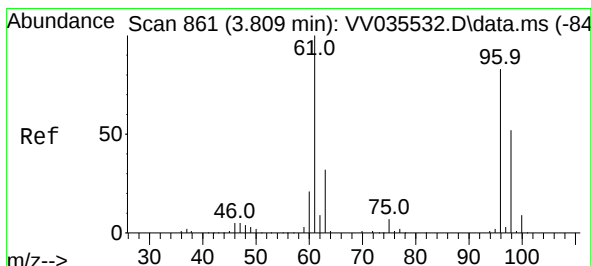
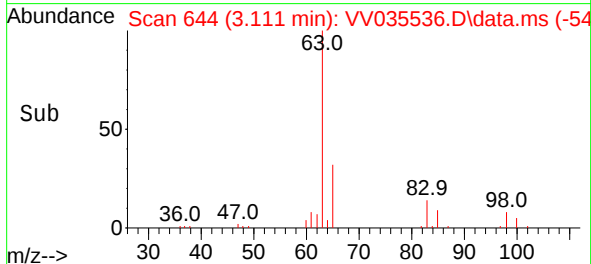
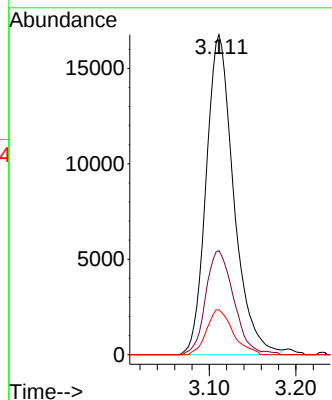
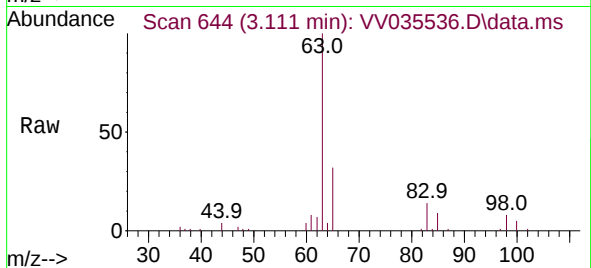




#19
1,1-Dichloroethane
Concen: 2.574 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.007 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

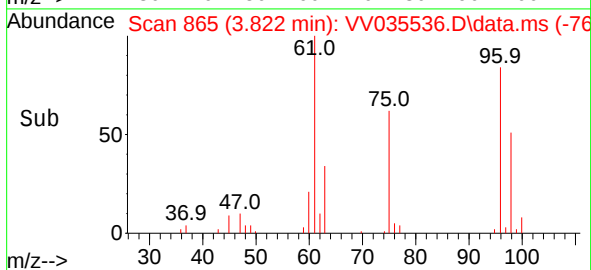
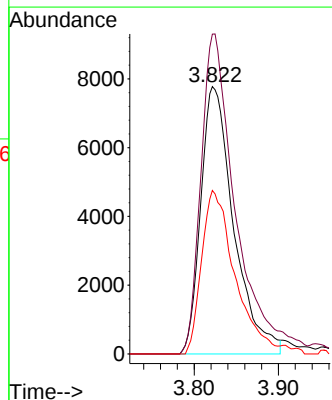
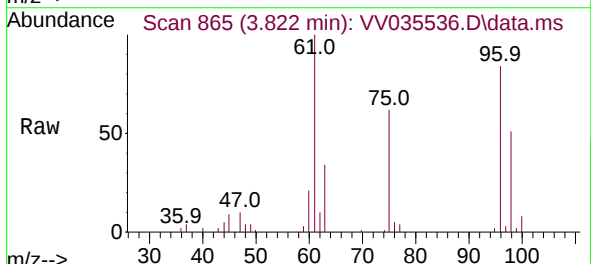
Instrument :
MSVOA_V
ClientSampleId :

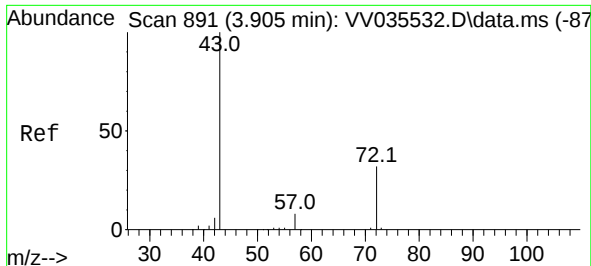
Tgt Ion: 63 Resp: 37063
Ion Ratio Lower Upper
63 100
65 32.5 22.7 42.3
83 14.0 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 2.541 ug/L
RT: 3.822 min Scan# 865
Delta R.T. 0.013 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

Tgt Ion: 96 Resp: 21160
Ion Ratio Lower Upper
96 100
61 119.7 83.9 155.9
98 61.2 44.0 81.8





#22

2-Butanone

Concen: 0.098 ug/L

RT: 3.831 min Scan# 891

Delta R.T. -0.074 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

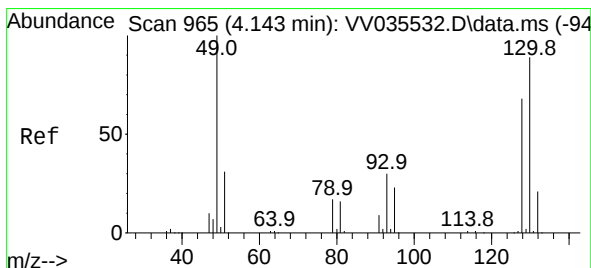
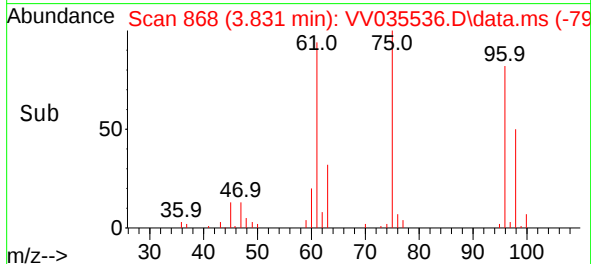
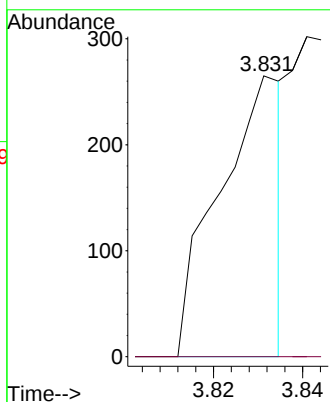
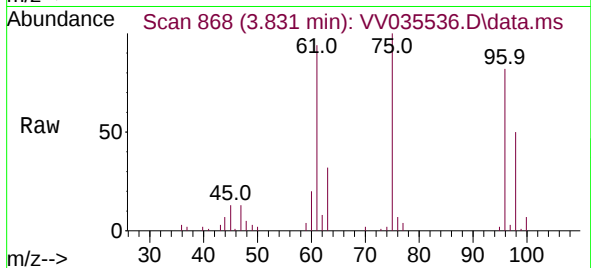
ClientSampleId :

Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

72 16.7 12.3 36.9



#23

Bromochloromethane

Concen: 2.611 ug/L

RT: 4.156 min Scan# 969

Delta R.T. 0.013 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Tgt Ion: 128 Resp: 10517

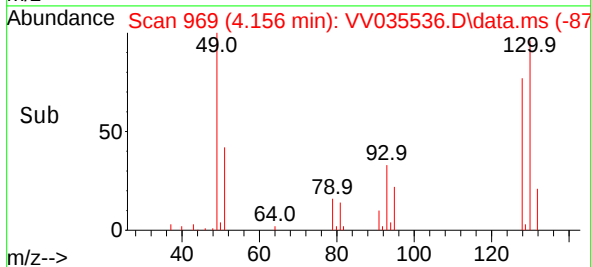
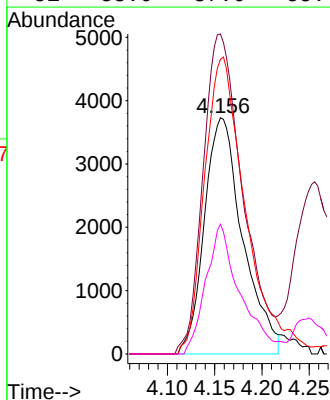
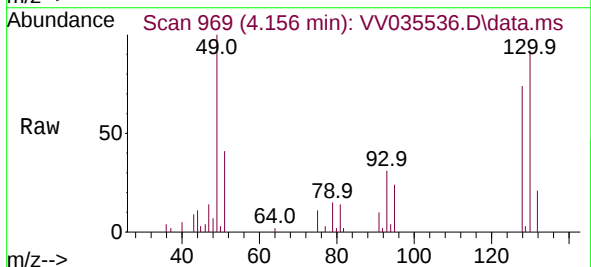
Ion Ratio Lower Upper

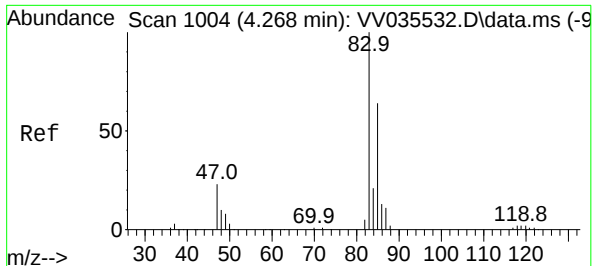
128 100

49 130.9 103.1 191.5

130 120.4 91.8 170.4

51 53.0 37.0 55.4





#25

Chloroform

Concen: 2.601 ug/L

RT: 4.278 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

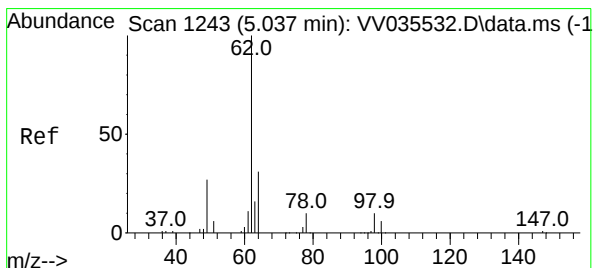
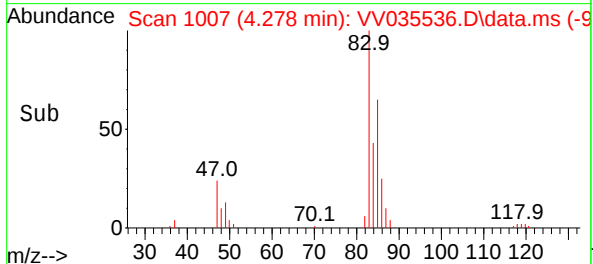
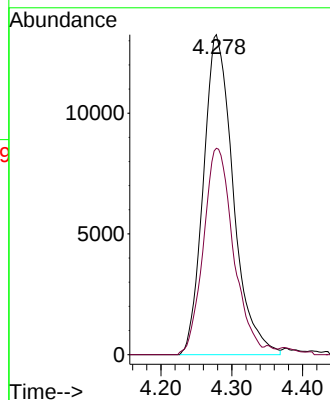
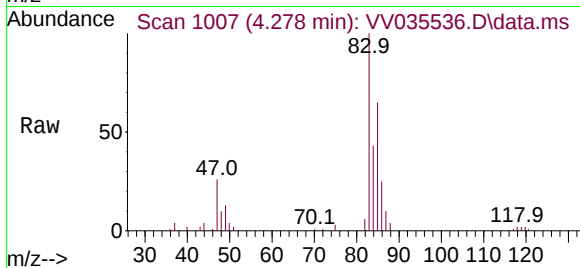
ClientSampleId :

Tgt Ion: 83 Resp: 38685

Ion Ratio Lower Upper

83 100

85 64.5 44.7 82.9



#27

1,2-Dichloroethane

Concen: 2.545 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.013 min

Lab File: VV035536.D

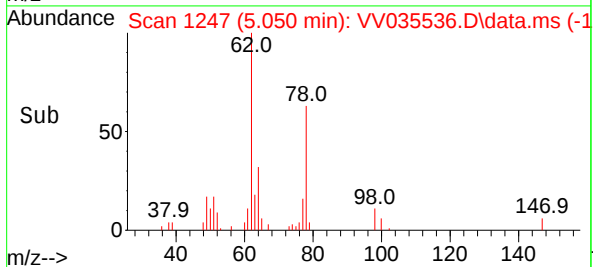
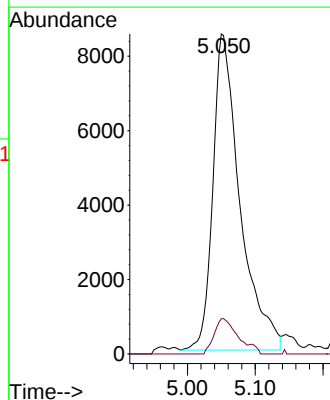
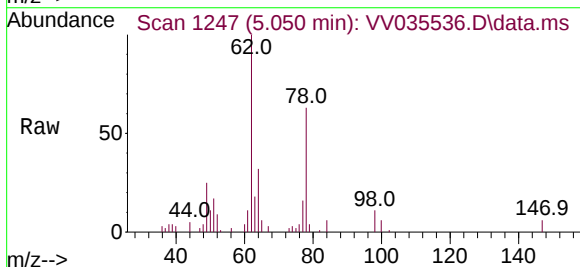
Acq: 06 May 2024 15:18

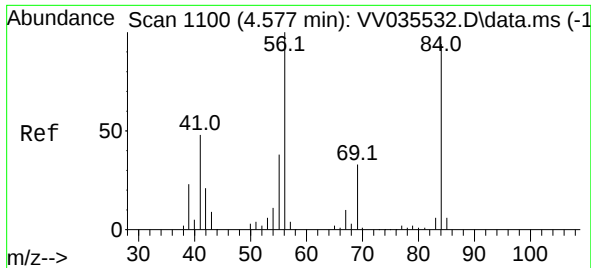
Tgt Ion: 62 Resp: 23568

Ion Ratio Lower Upper

62 100

98 11.0 8.2 12.2





#29

Cyclohexane

Concen: 2.501 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

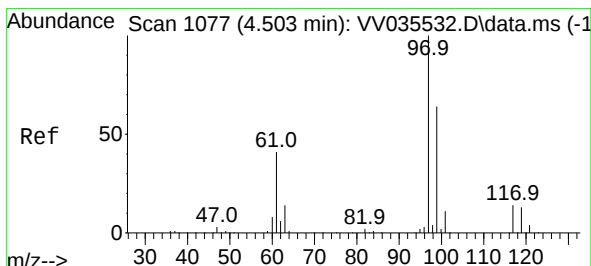
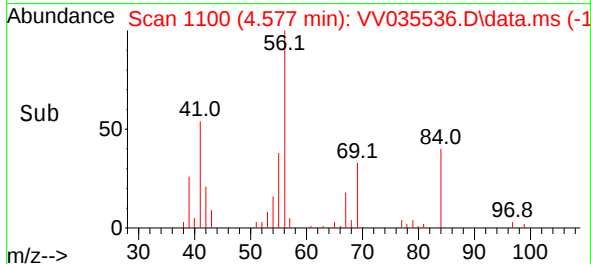
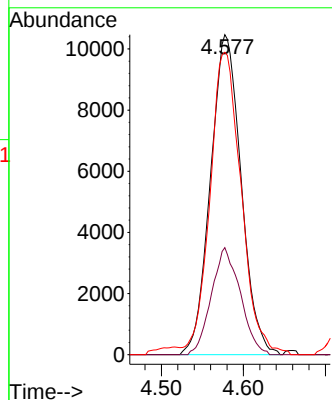
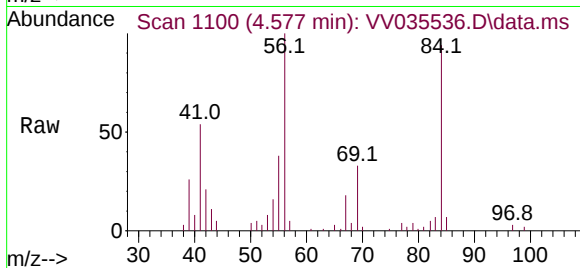
Tgt Ion: 56 Resp: 27138

Ion Ratio Lower Upper

56 100

69 31.6 25.6 38.4

84 90.4 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 2.594 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.010 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

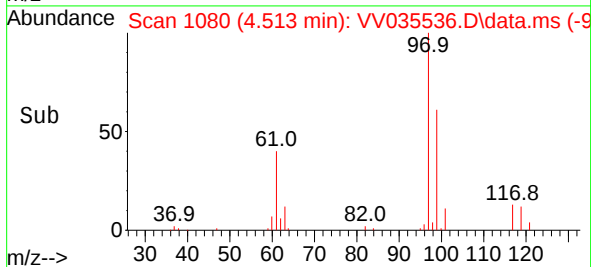
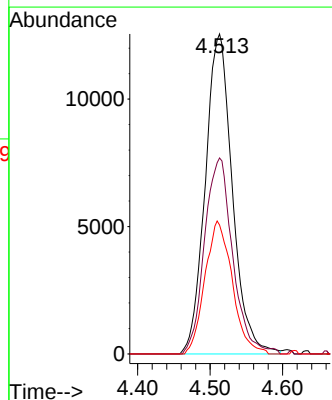
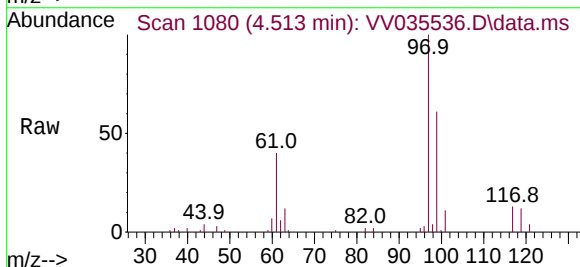
Tgt Ion: 97 Resp: 32634

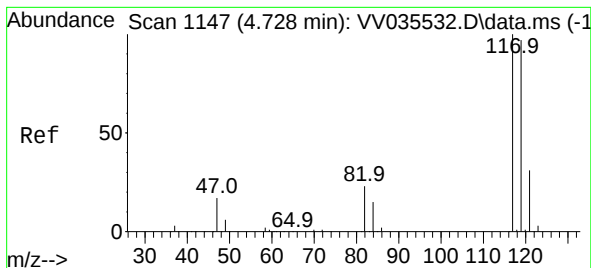
Ion Ratio Lower Upper

97 100

99 63.2 51.7 77.5

61 41.9 33.5 50.3





#31

Carbon tetrachloride

Concen: 2.543 ug/L

RT: 4.732 min Scan# 1148

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

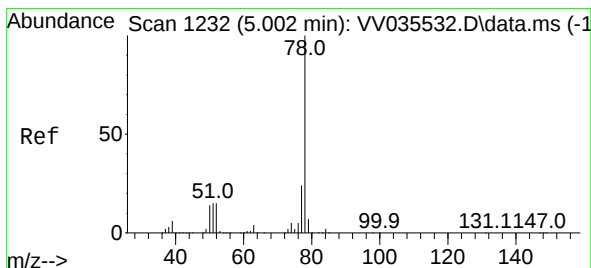
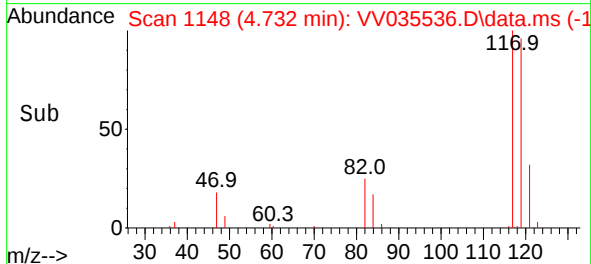
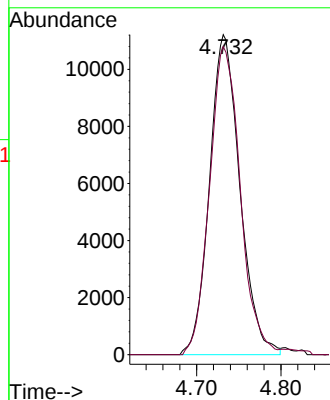
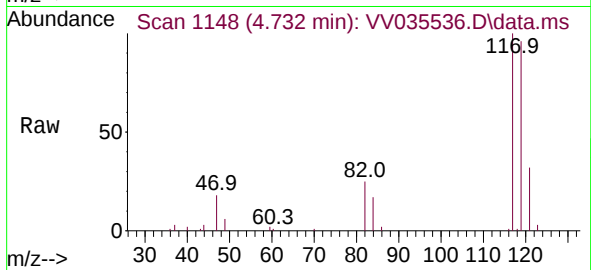
ClientSampleId :

Tgt Ion:117 Resp: 28068

Ion Ratio Lower Upper

117 100

119 97.3 77.3 115.9



#33

Benzene

Concen: 2.532 ug/L

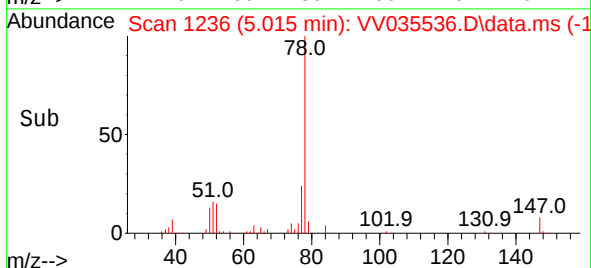
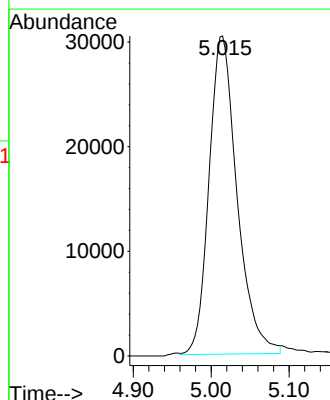
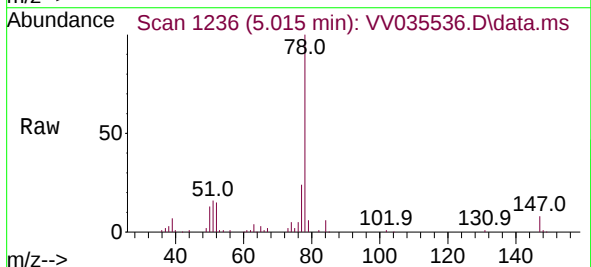
RT: 5.015 min Scan# 1236

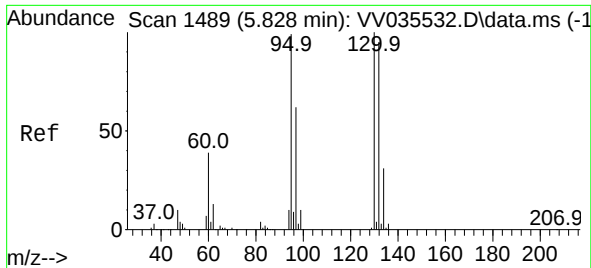
Delta R.T. 0.013 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

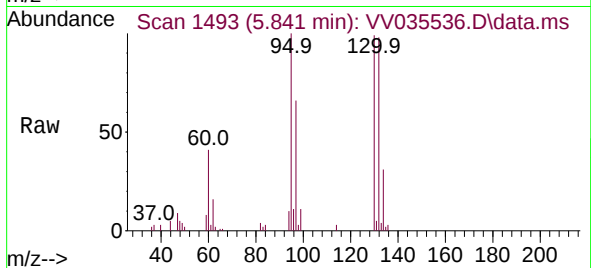
Tgt Ion: 78 Resp: 76014



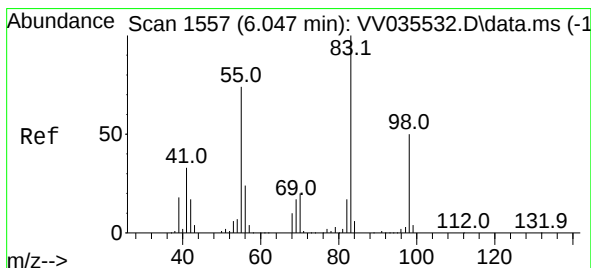
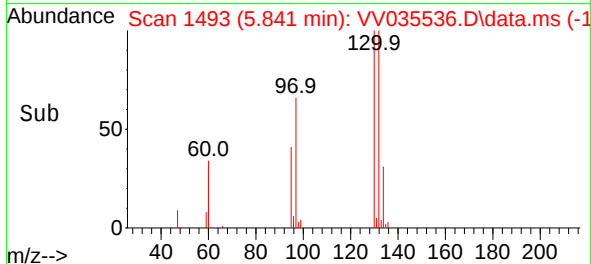
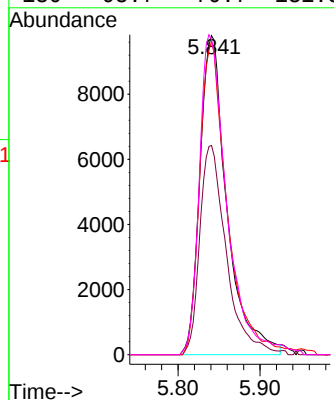


#34
Trichloroethene
Concen: 2.654 ug/L
RT: 5.841 min Scan# 1489
Delta R.T. 0.013 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

Instrument :
MSVOA_V
ClientSampleId :

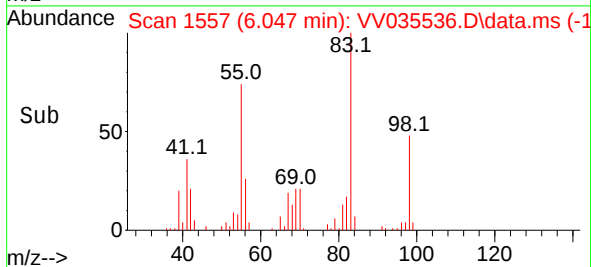
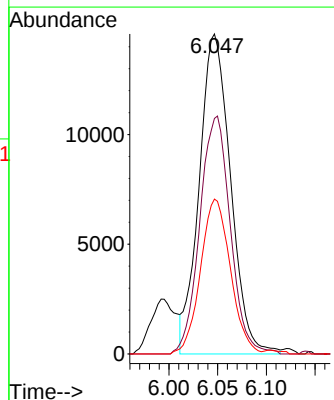
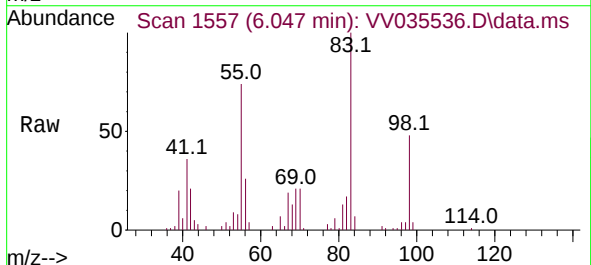


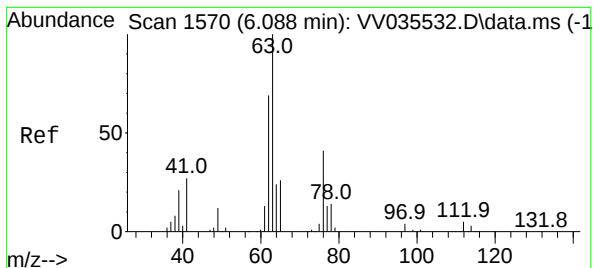
Tgt Ion: 95 Resp: 22538
Ion Ratio Lower Upper
95 100
97 65.6 43.8 81.4
132 98.3 67.1 124.7
130 98.7 70.7 131.3



#35
Methylcyclohexane
Concen: 2.535 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

Tgt Ion: 83 Resp: 32689
Ion Ratio Lower Upper
83 100
55 72.4 57.5 86.3
98 46.1 38.6 58.0





#37

1,2-Dichloropropane

Concen: 2.440 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

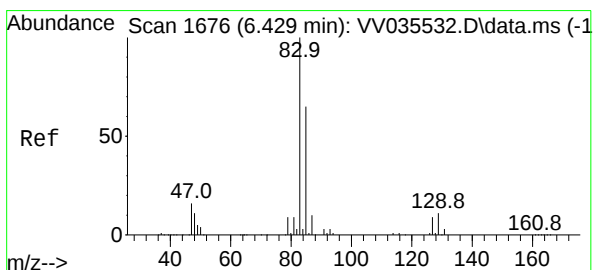
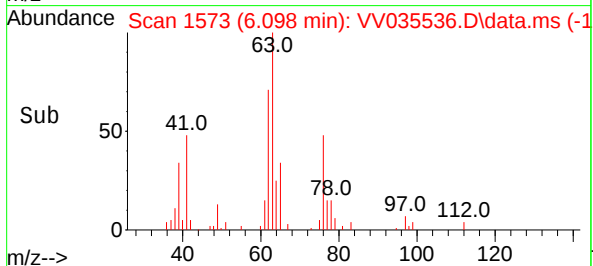
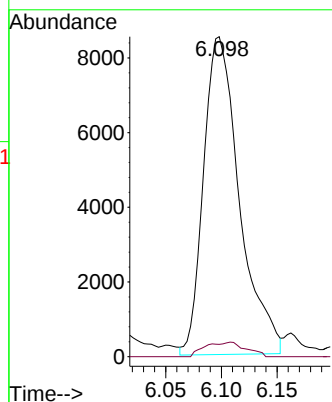
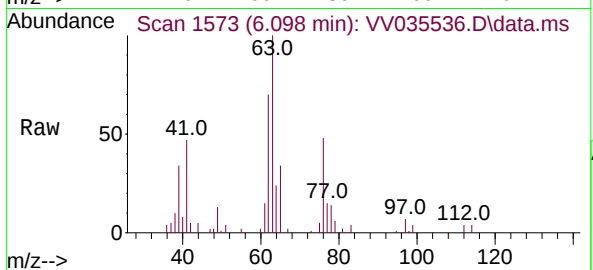
ClientSampleId :

Tgt Ion: 63 Resp: 19112

Ion Ratio Lower Upper

63 100

112 2.2 3.8 5.6#



#38

Bromodichloromethane

Concen: 2.550 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.010 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

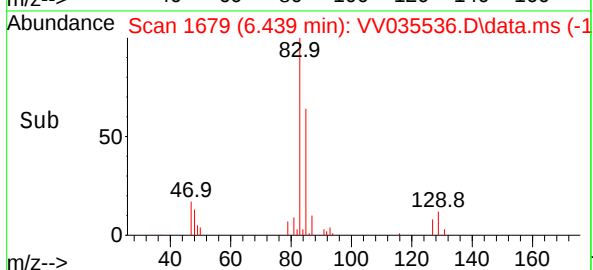
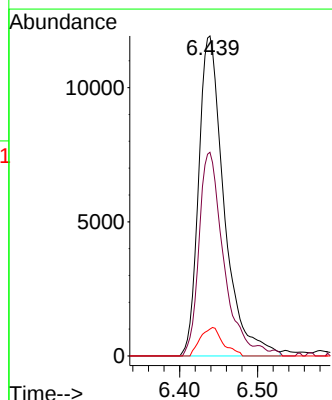
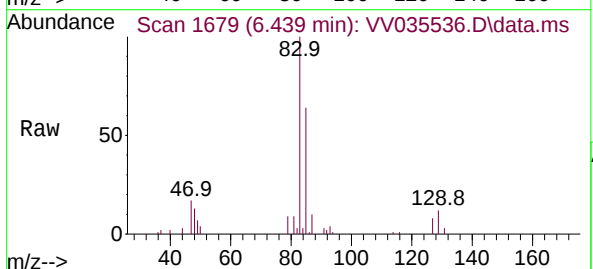
Tgt Ion: 83 Resp: 27066

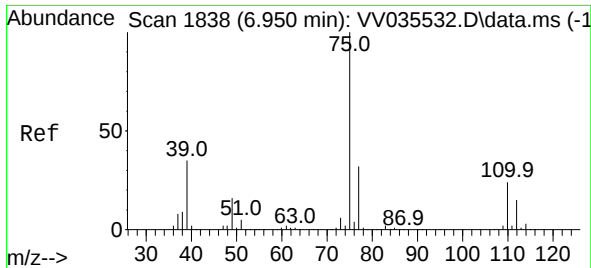
Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

127 8.4 7.0 10.6

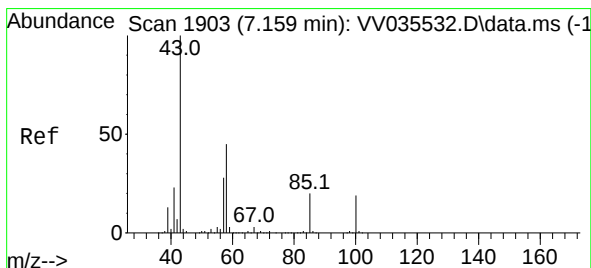
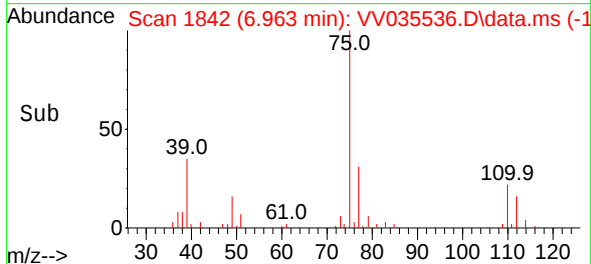
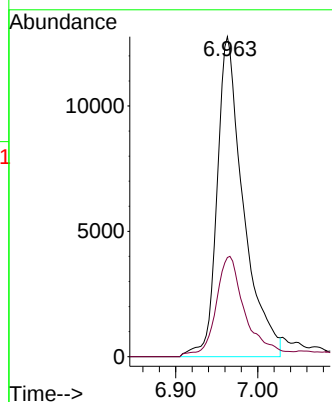
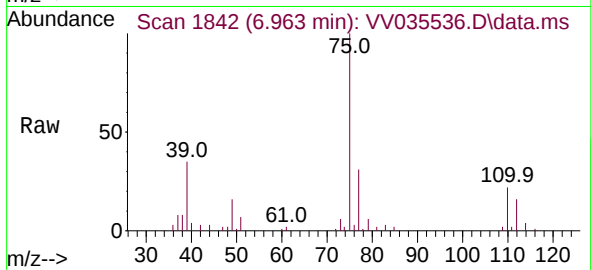




#39
 cis-1,3-Dichloropropene
 Concen: 2.322 ug/L
 RT: 6.963 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VV035536.D
 Acq: 06 May 2024 15:18

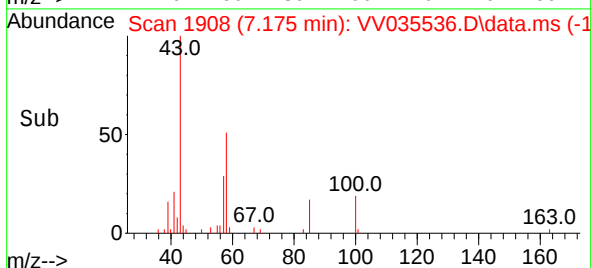
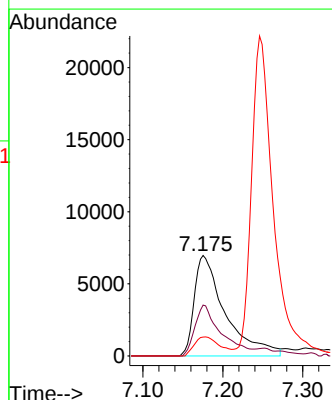
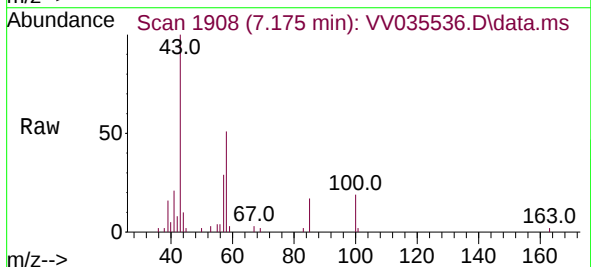
Instrument :
 MSVOA_V
 ClientSampleId :

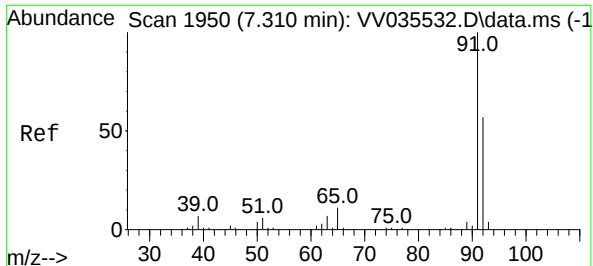
Tgt Ion: 75 Resp: 28454
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 4.056 ug/L
 RT: 7.175 min Scan# 1908
 Delta R.T. 0.016 min
 Lab File: VV035536.D
 Acq: 06 May 2024 15:18

Tgt Ion: 43 Resp: 18745
 Ion Ratio Lower Upper
 43 100
 58 43.5 34.8 52.2
 100 15.6 13.9 20.9





#42

Toluene

Concen: 2.366 ug/L

RT: 7.320 min Scan# 1950

Delta R.T. 0.010 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

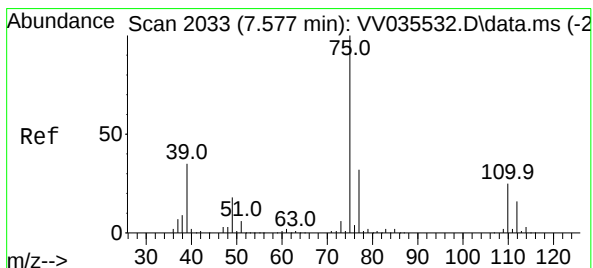
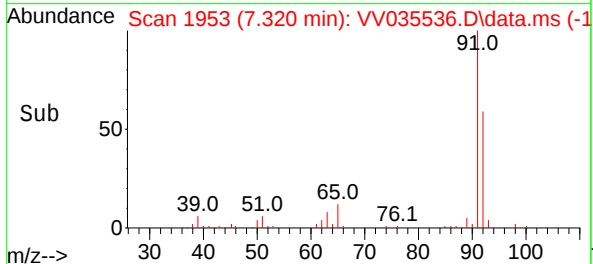
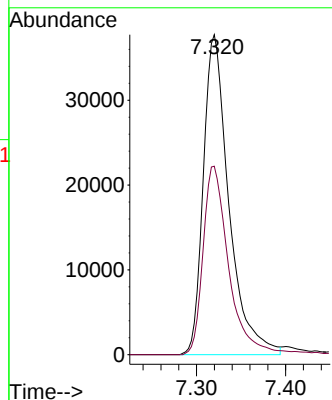
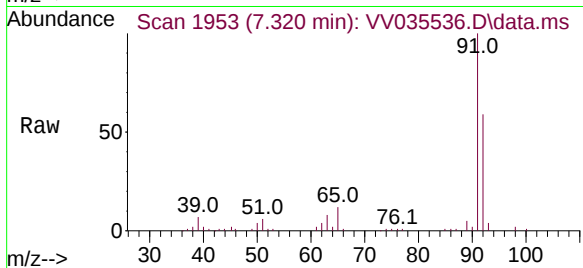
ClientSampleId :

Tgt Ion: 91 Resp: 75196

Ion Ratio Lower Upper

91 100

92 58.9 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 2.283 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.013 min

Lab File: VV035536.D

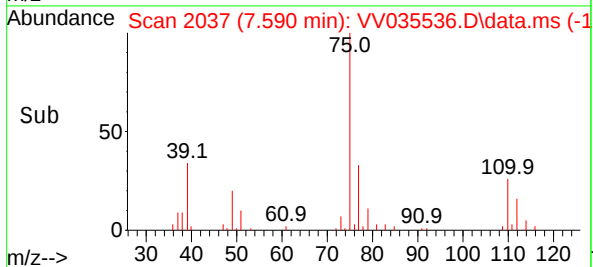
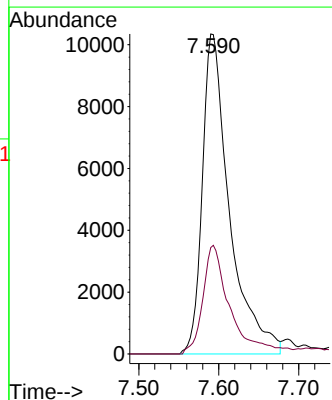
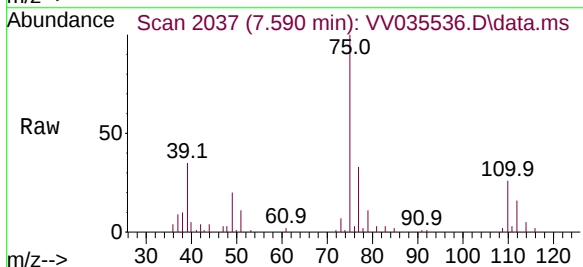
Acq: 06 May 2024 15:18

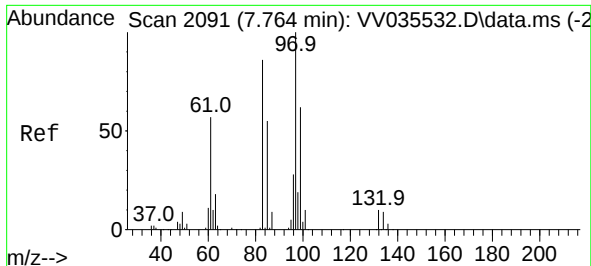
Tgt Ion: 75 Resp: 24470

Ion Ratio Lower Upper

75 100

77 33.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 2.542 ug/L

RT: 7.773 min Scan# 2091

Delta R.T. 0.010 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 16921

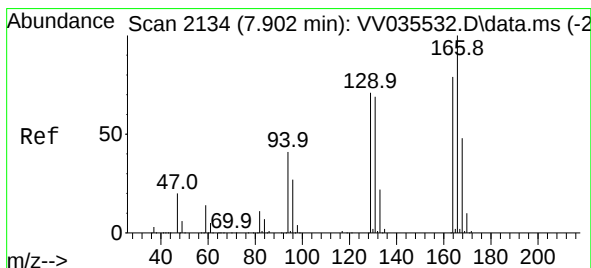
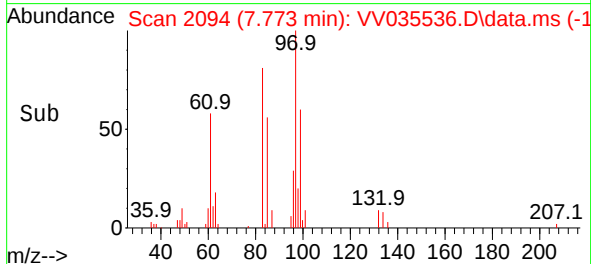
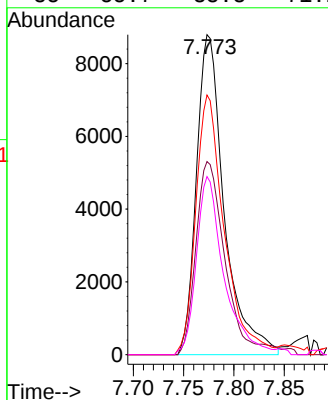
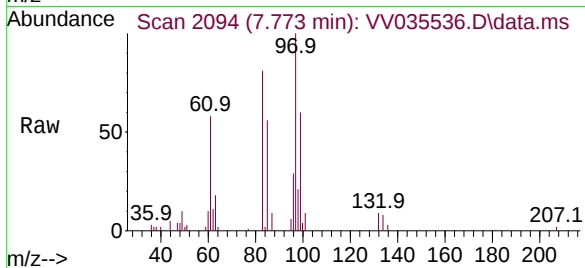
Ion Ratio Lower Upper

97 100

99 60.4 43.3 80.3

83 81.2 60.3 111.9

85 55.7 38.3 71.1



#46

Tetrachloroethene

Concen: 2.602 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Tgt Ion: 164 Resp: 17955

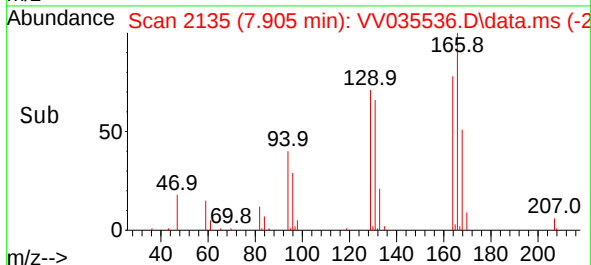
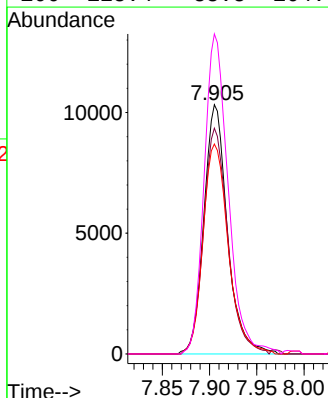
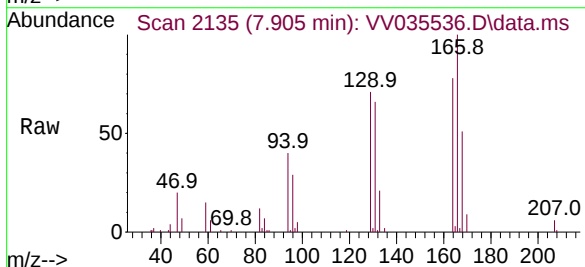
Ion Ratio Lower Upper

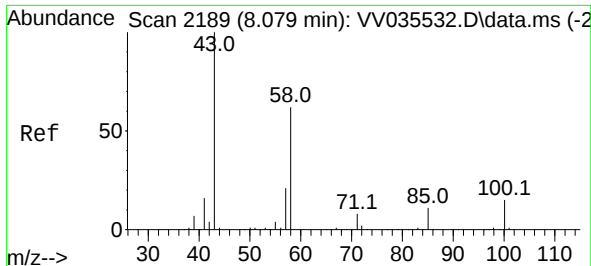
164 100

129 90.5 63.4 117.8

131 84.2 61.0 113.4

166 128.4 88.8 164.8





#48

2-Hexanone

Concen: 0.134 ug/L

RT: 8.063 min Scan# 2189

Delta R.T. -0.016 min

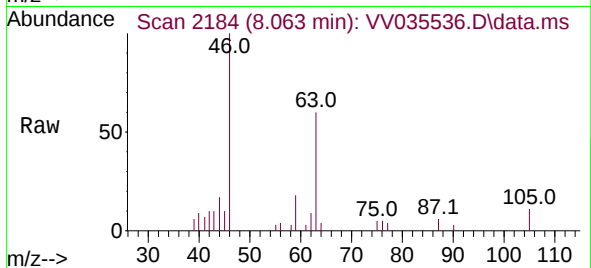
Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 464

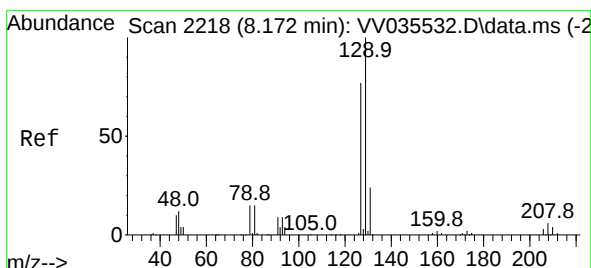
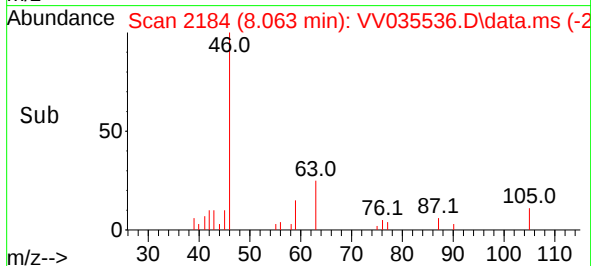
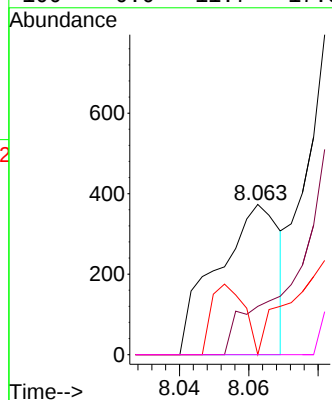
Ion Ratio Lower Upper

43 100

58 8.6 48.8 73.2#

57 24.4 16.9 25.3

100 0.0 11.7 17.5#



#49

Dibromochloromethane

Concen: 2.520 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.007 min

Lab File: VV035536.D

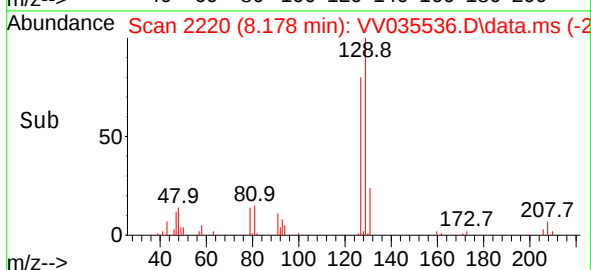
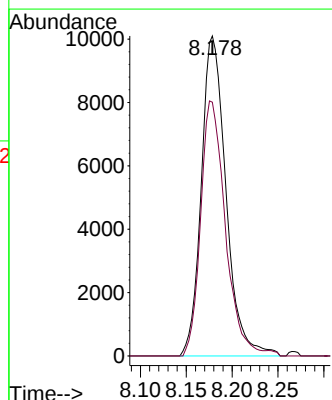
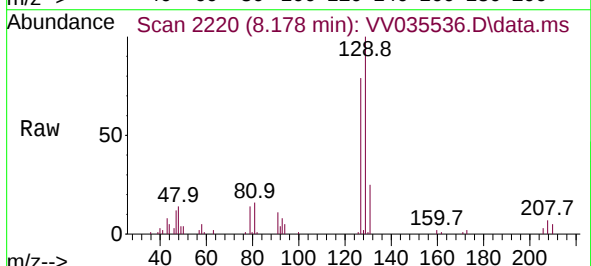
Acq: 06 May 2024 15:18

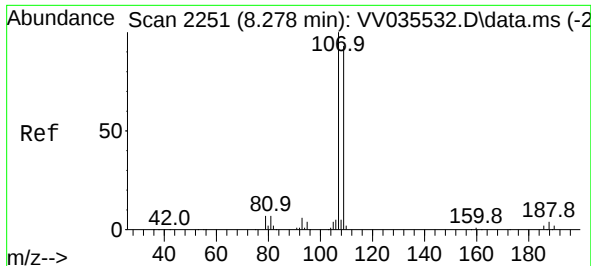
Tgt Ion: 129 Resp: 18930

Ion Ratio Lower Upper

129 100

127 79.3 53.8 99.8





#50

1,2-Dibromoethane

Concen: 2.505 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV035536.D

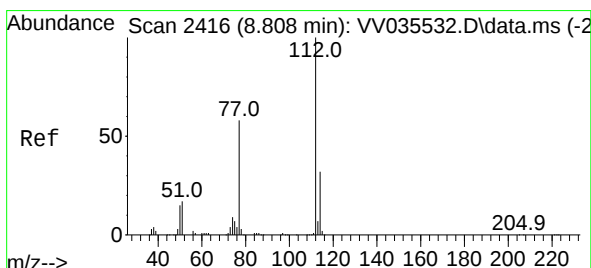
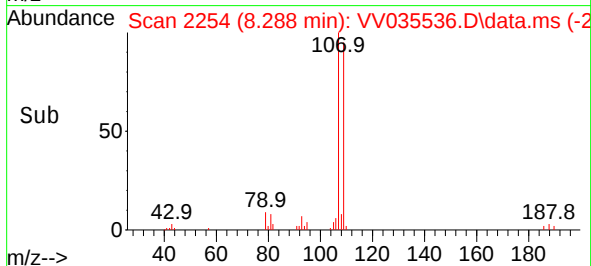
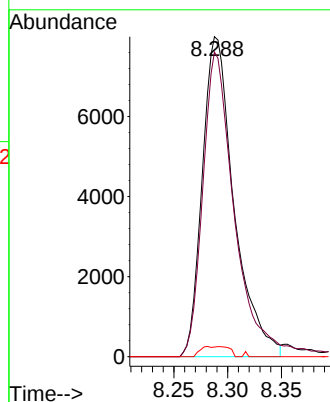
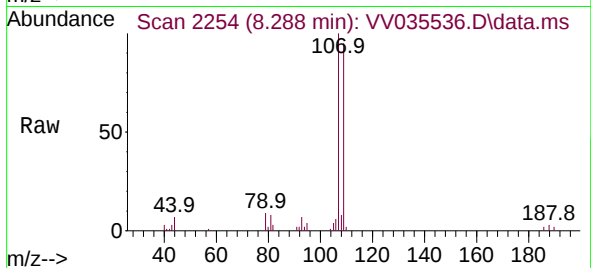
Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	16424
Ion Ratio	Lower	Upper
107	100	
109	95.2	65.4 121.4
188	3.0	2.9 4.3



#51

Chlorobenzene

Concen: 2.605 ug/L

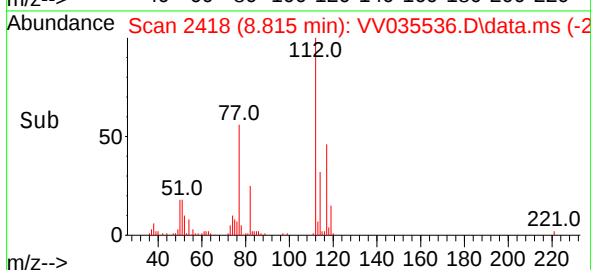
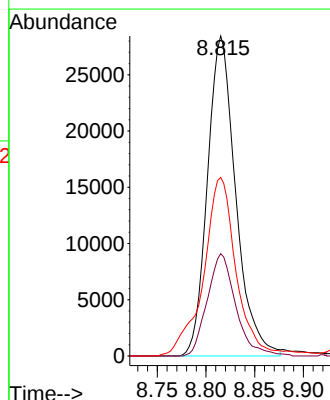
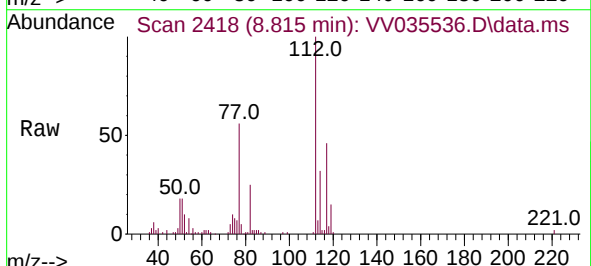
RT: 8.815 min Scan# 2418

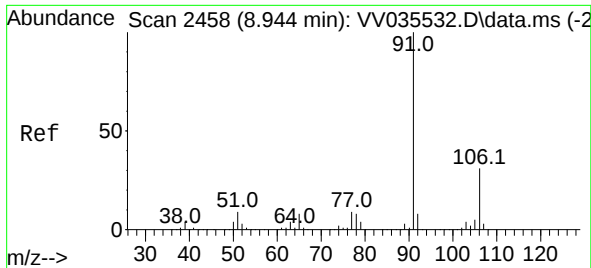
Delta R.T. 0.007 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Tgt Ion:112	Resp:	57430
Ion Ratio	Lower	Upper
112	100	
114	32.0	22.5 41.7
77	55.8	46.6 69.8





#52

Ethylbenzene

Concen: 2.335 ug/L

RT: 8.947 min Scan# 2458

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

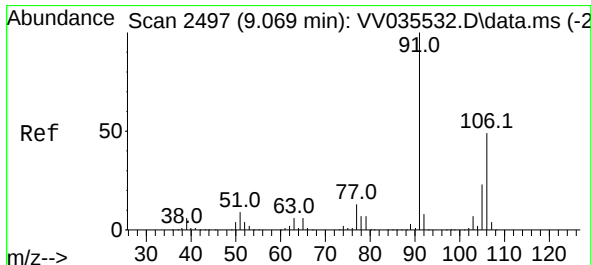
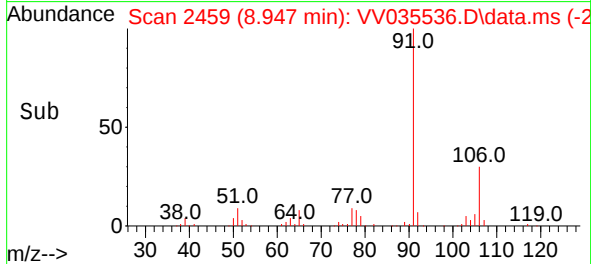
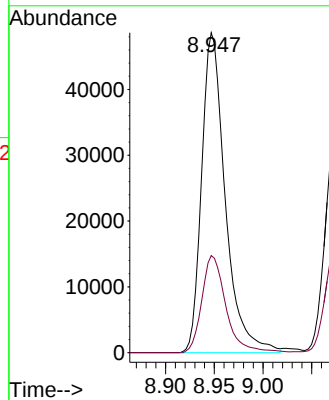
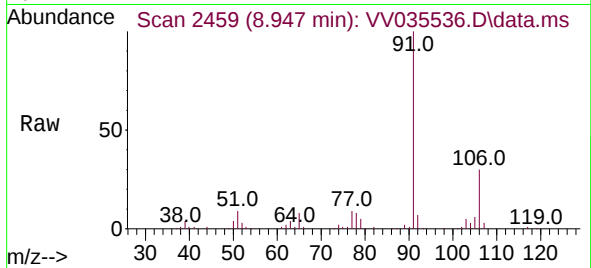
ClientSampleId :

Tgt Ion: 91 Resp: 81908

Ion Ratio Lower Upper

91 100

106 30.4 21.7 40.3



#53

m,p-Xylene

Concen: 2.262 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.007 min

Lab File: VV035536.D

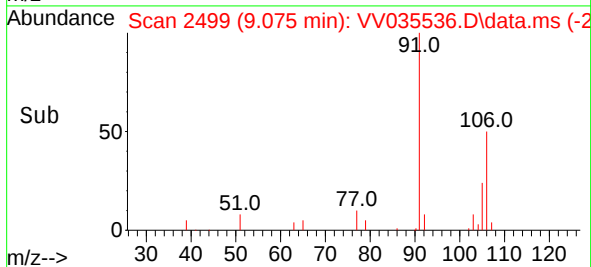
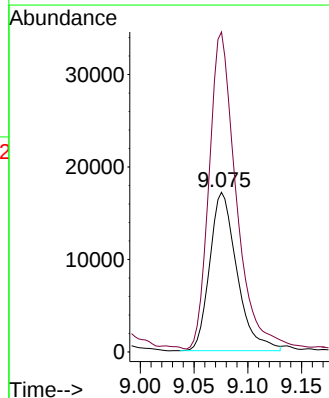
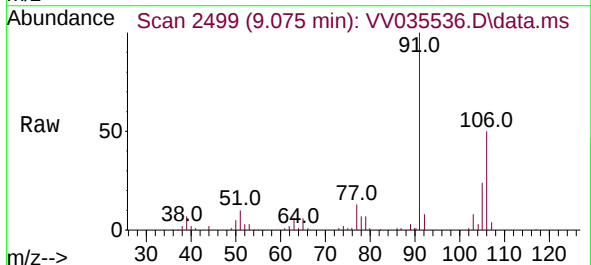
Acq: 06 May 2024 15:18

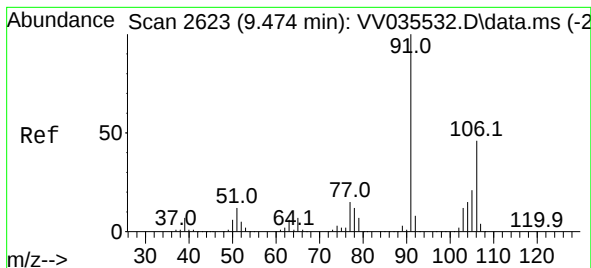
Tgt Ion:106 Resp: 30112

Ion Ratio Lower Upper

106 100

91 200.3 142.7 264.9





#54

o-Xylene

Concen: 2.162 ug/L

RT: 9.477 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

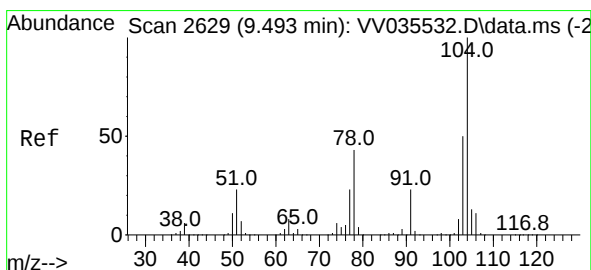
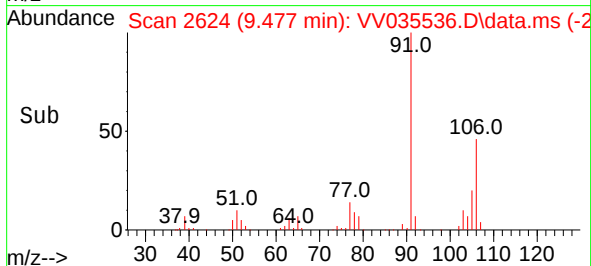
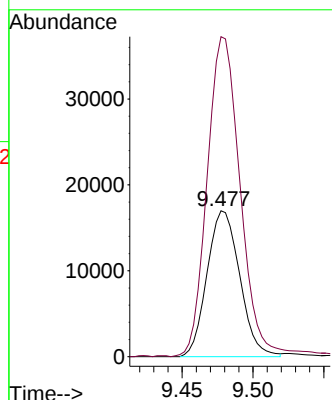
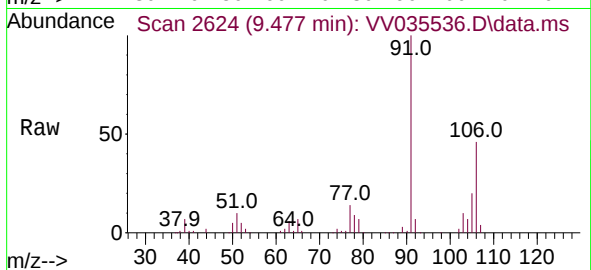
ClientSampleId :

Tgt Ion:106 Resp: 27272

Ion Ratio Lower Upper

106 100

91 219.3 150.9 280.3



#55

Styrene

Concen: 2.058 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.007 min

Lab File: VV035536.D

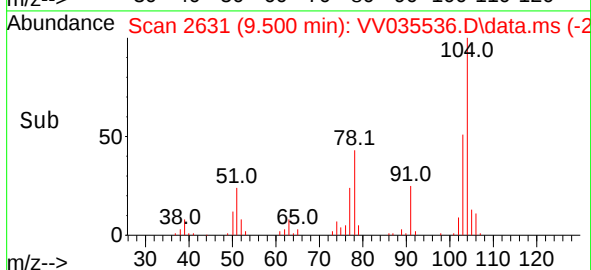
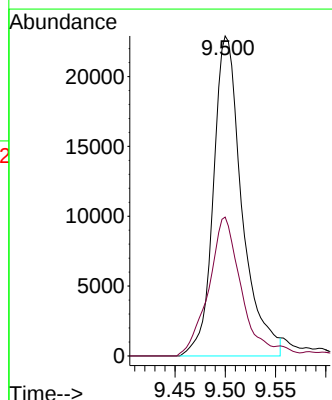
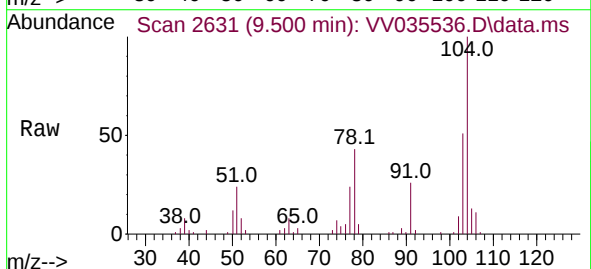
Acq: 06 May 2024 15:18

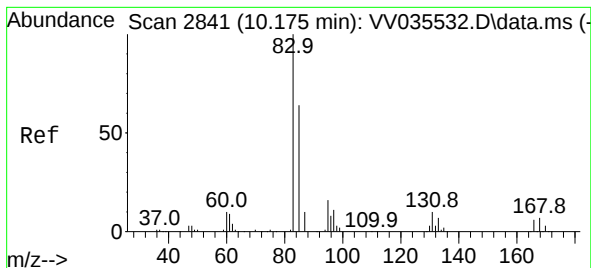
Tgt Ion:104 Resp: 45278

Ion Ratio Lower Upper

104 100

78 43.4 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 2.439 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

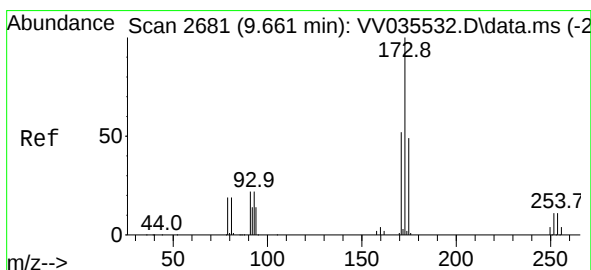
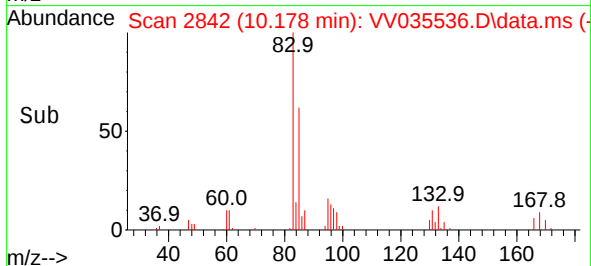
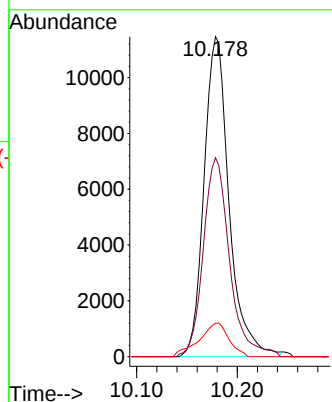
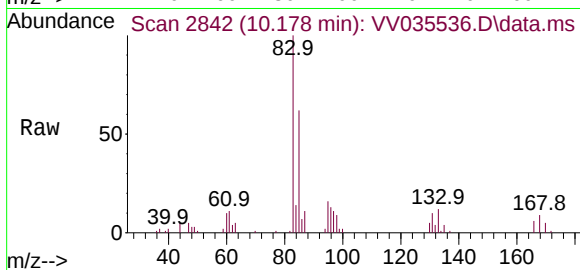
Tgt Ion: 83 Resp: 19779

Ion Ratio Lower Upper

83 100

85 62.1 44.7 83.1

131 10.5 8.0 12.0



#59

Bromoform

Concen: 2.513 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. 0.007 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

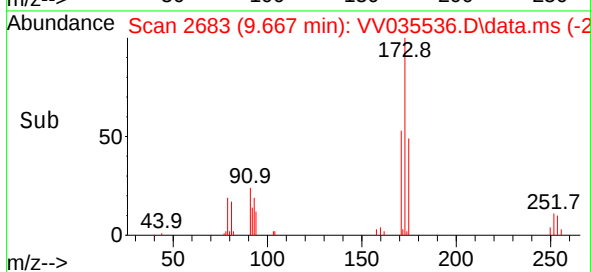
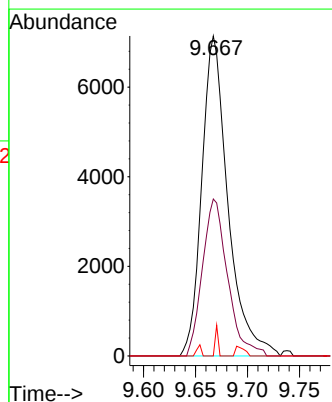
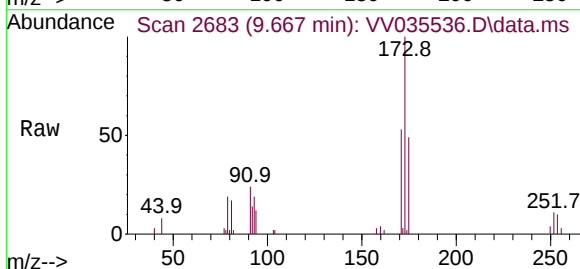
Tgt Ion:173 Resp: 12494

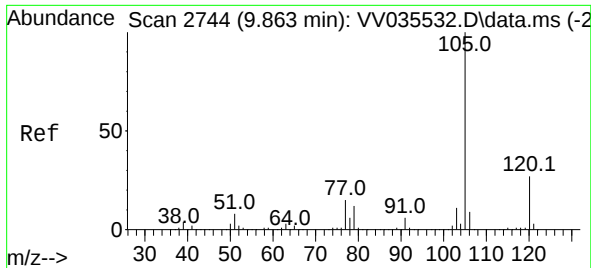
Ion Ratio Lower Upper

173 100

175 47.1 38.7 58.1

254 0.6 8.3 12.5#

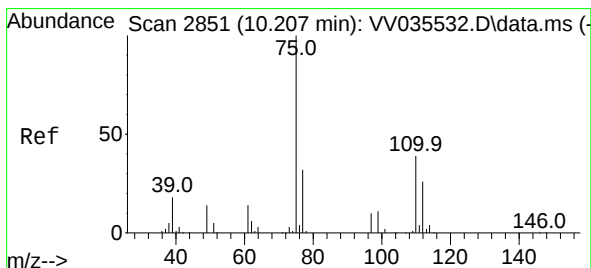
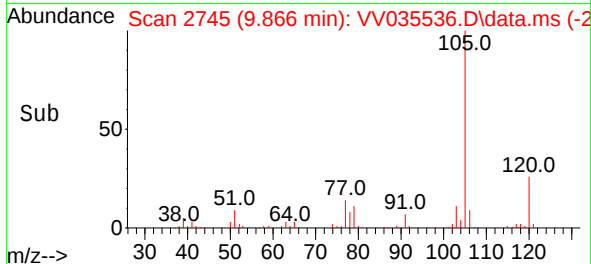
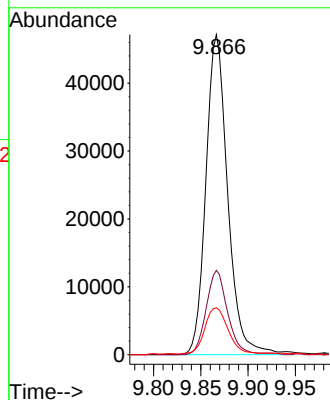
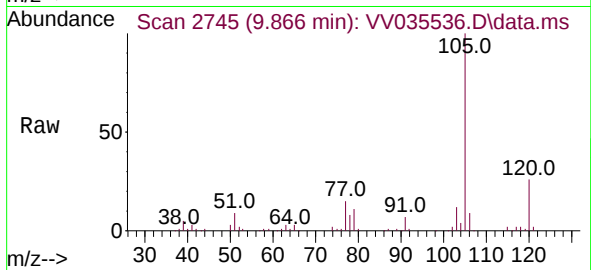




#60
Isopropylbenzene
Concen: 2.241 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

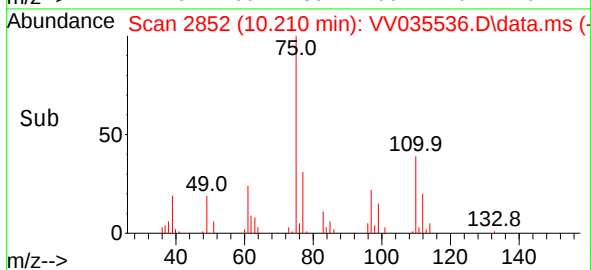
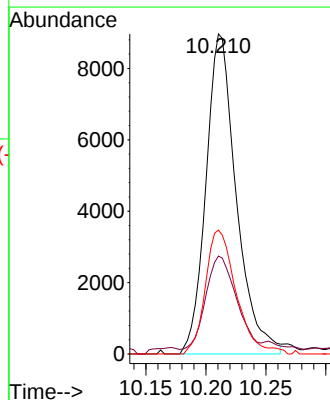
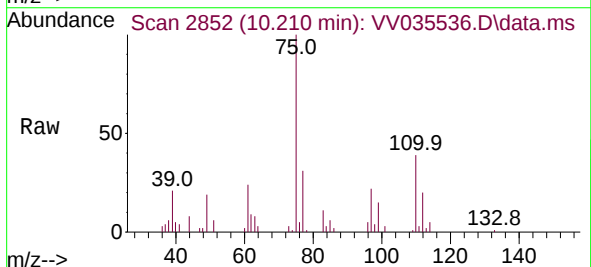
Instrument :
MSVOA_V
ClientSampleId :

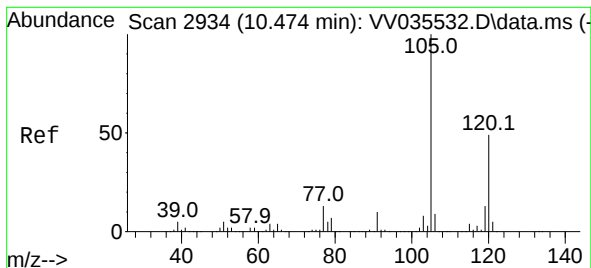
Tgt Ion:105 Resp: 75521
Ion Ratio Lower Upper
105 100
120 25.8 21.3 31.9
77 15.3 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 2.662 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

Tgt Ion: 75 Resp: 15783
Ion Ratio Lower Upper
75 100
77 30.0 25.7 38.5
110 38.5 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 2.031 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

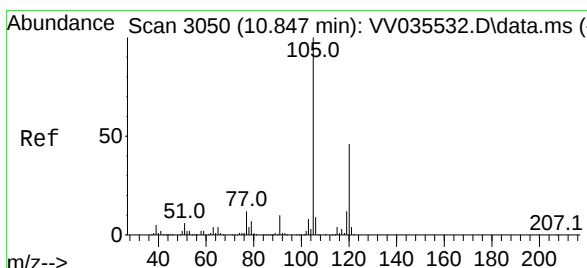
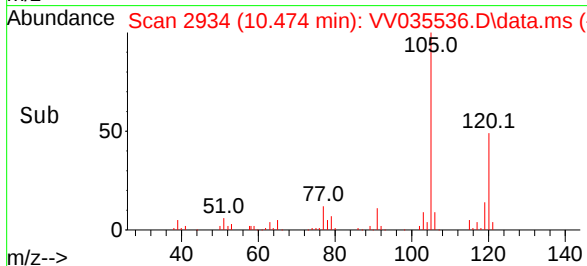
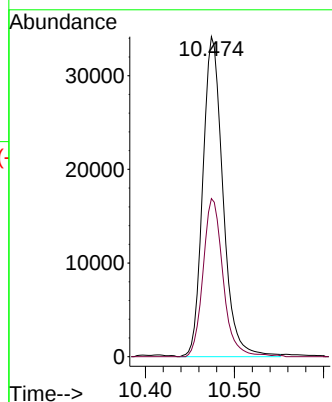
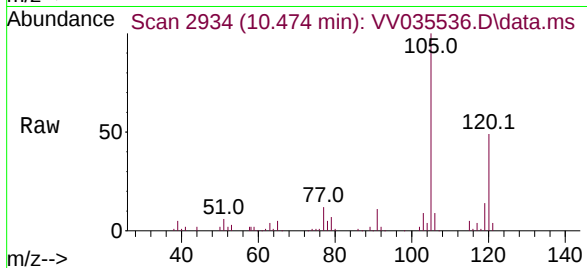
ClientSampleId :

Tgt Ion:105 Resp: 53687

Ion Ratio Lower Upper

105 100

120 48.9 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 2.108 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035536.D

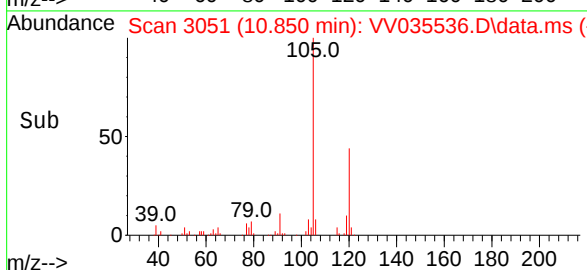
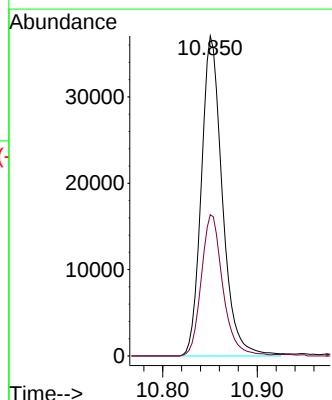
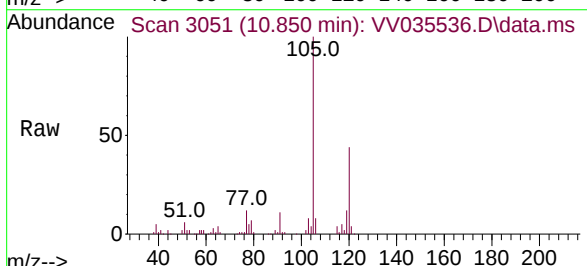
Acq: 06 May 2024 15:18

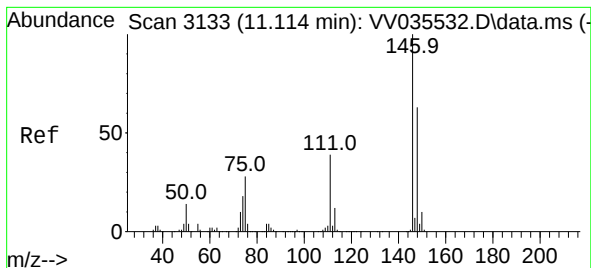
Tgt Ion:105 Resp: 57268

Ion Ratio Lower Upper

105 100

120 45.2 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 2.551 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

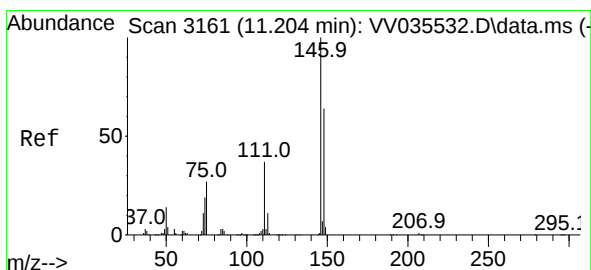
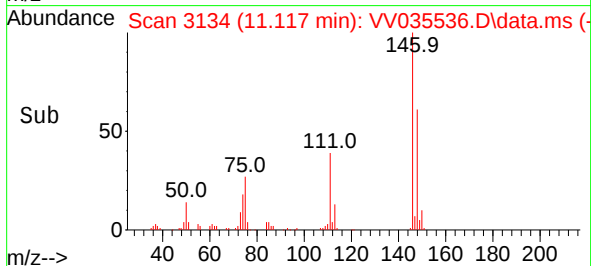
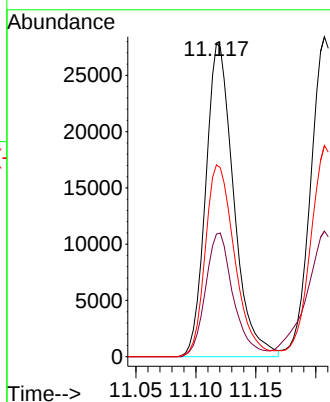
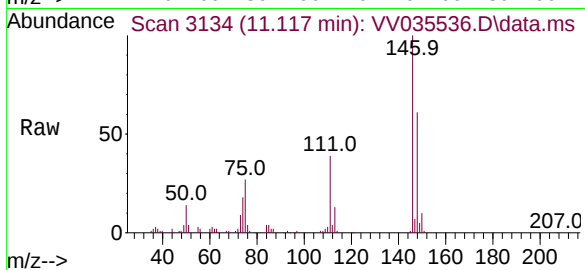
Tgt Ion:146 Resp: 45125

Ion Ratio Lower Upper

146 100

111 39.2 27.0 50.2

148 61.3 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 2.655 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

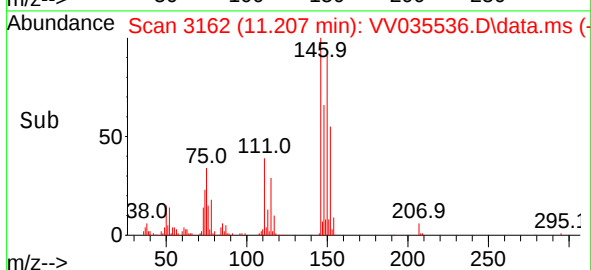
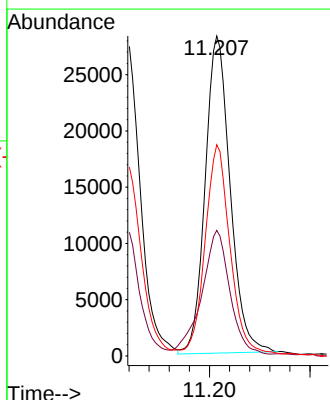
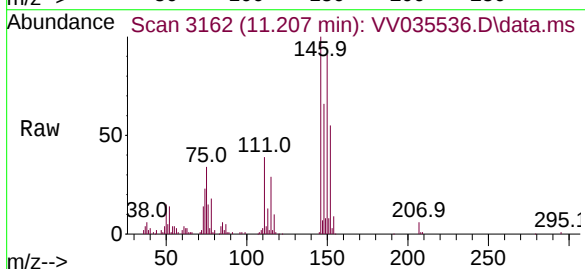
Tgt Ion:146 Resp: 48605

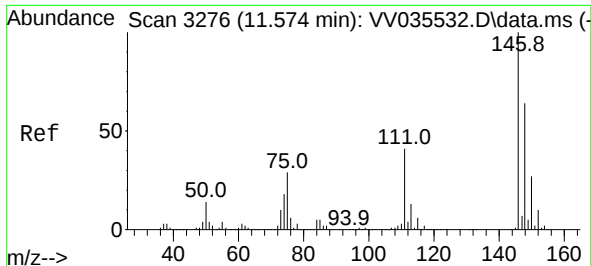
Ion Ratio Lower Upper

146 100

111 39.3 26.2 48.6

148 66.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 2.625 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :

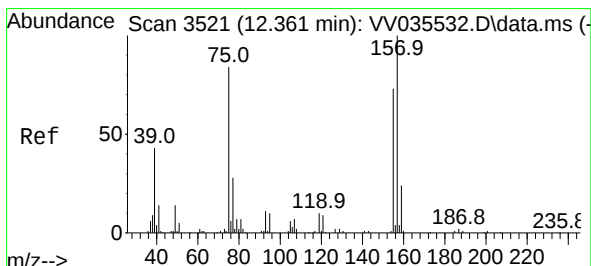
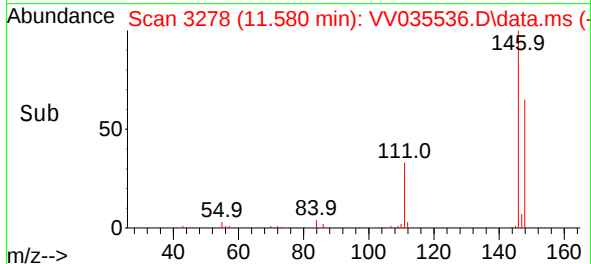
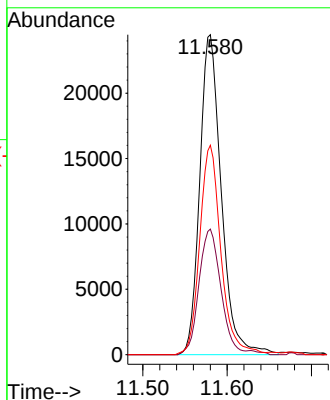
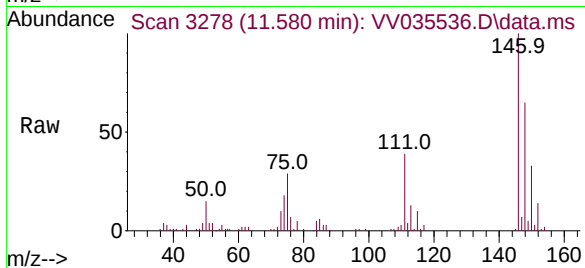
Tgt Ion:146 Resp: 43705

Ion Ratio Lower Upper

146 100

111 39.3 32.6 48.8

148 65.5 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 2.428 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

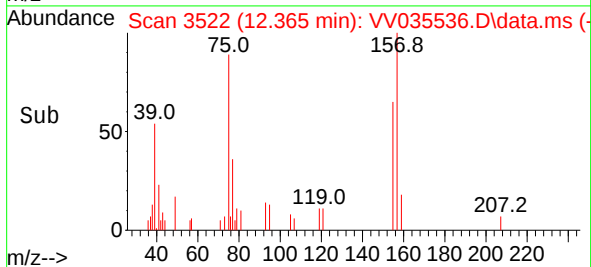
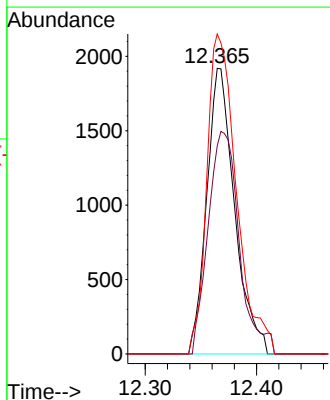
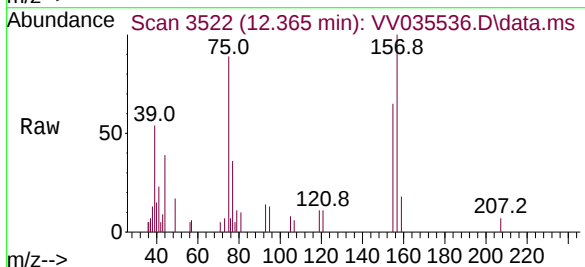
Tgt Ion: 75 Resp: 3339

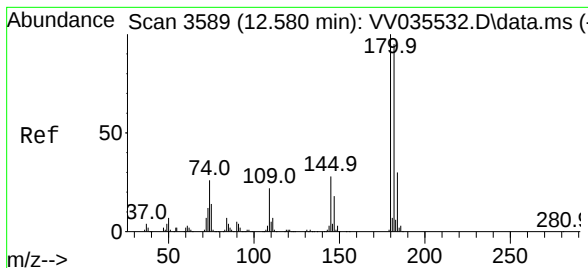
Ion Ratio Lower Upper

75 100

155 72.9 69.8 104.6

157 112.0 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 2.526 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

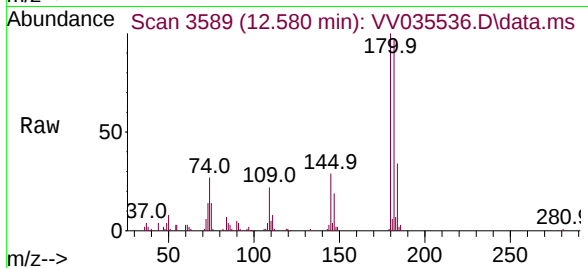
Lab File: VV035536.D

Acq: 06 May 2024 15:18

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 34909

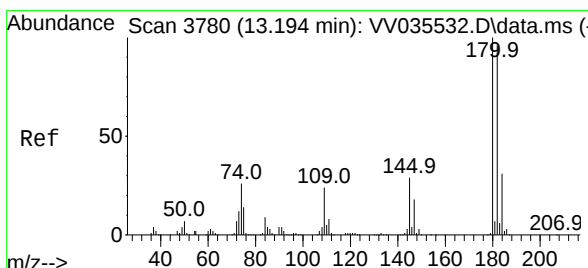
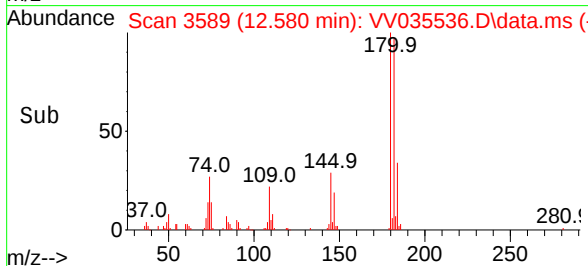
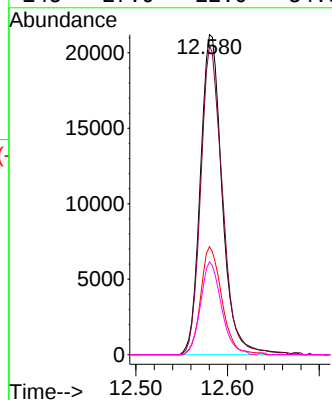
Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

184 32.7 24.1 36.1

145 27.9 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 2.617 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV035536.D

Acq: 06 May 2024 15:18

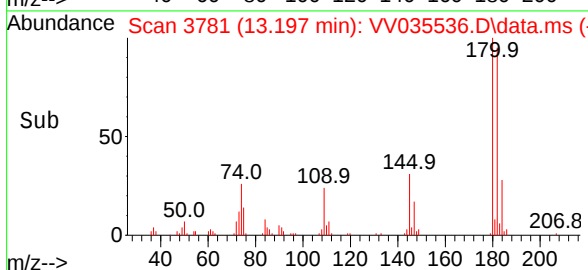
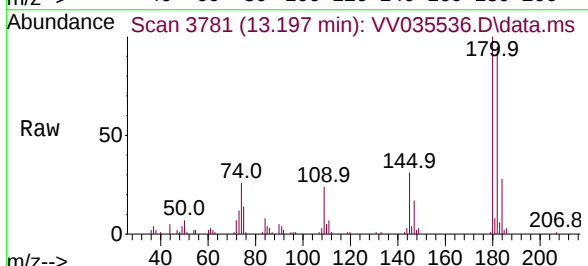
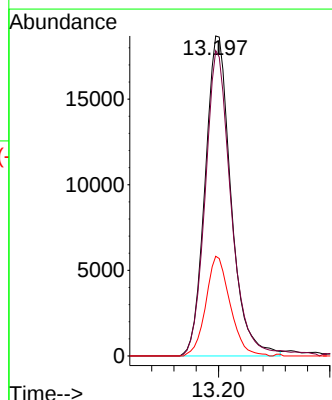
Tgt Ion:180 Resp: 30204

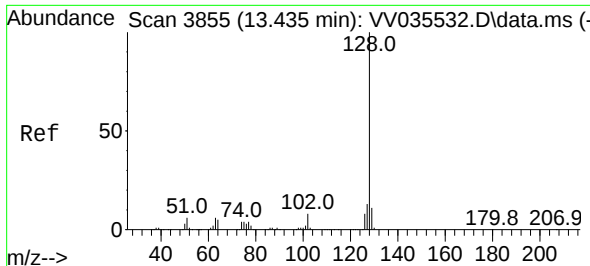
Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 29.1 23.2 34.8

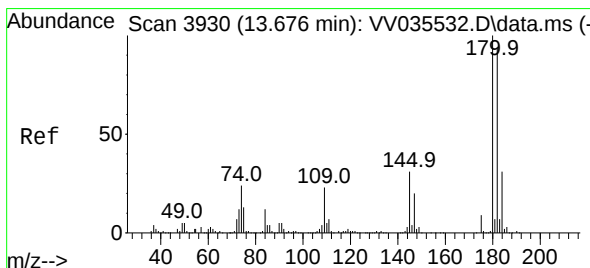
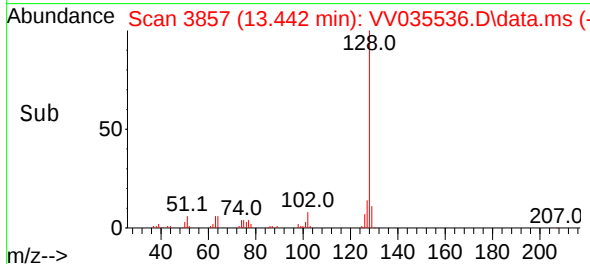
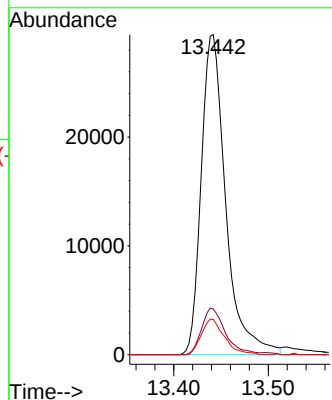
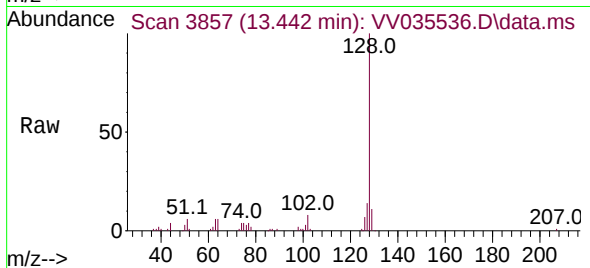




#71
Naphthalene
Concen: 2.614 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.007 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128	Resp:	52968
Ion Ratio	Lower	Upper
128	100	
127	14.1	10.4 15.6
129	10.4	8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.691 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. 0.003 min
Lab File: VV035536.D
Acq: 06 May 2024 15:18

Tgt Ion:180	Resp:	27936
Ion Ratio	Lower	Upper
180	100	
182	96.2	75.8 113.6
145	30.7	25.2 37.8

