

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041356.D
 Acq On : 26 Jun 2024 11:33
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 27 08:26:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Jun 12 01:18:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1065536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2923311	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2596031	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2010876 10.032 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.739	85	21154	0.124	ppbv	95
3) Chlorodifluoromethane	2.684	51	20313	0.121	ppbv	92
4) Chloromethane	2.825	50	5236	0.083	ppbv #	84
5) Vinyl Chloride	2.935	62	3406	0.053	ppbv	97
7) Chloroethane	3.214	64	1141	0.052	ppbv #	76
8) Dichlorotetrafluoroethane	2.867	85	19110	0.122	ppbv	93
9) Propene	2.700	41	10703	0.178	ppbv	100
10) Heptane	7.590	43	11871	0.084	ppbv #	79
11) Trichlorofluoromethane	3.571	101	18890	0.121	ppbv #	82
12) 1,1,2-Trichlorotrifluo...	4.079	101	12065	0.109	ppbv	85
13) Ethanol	3.282	45	1089	0.070	ppbv #	1
18) 1,1-Dichloroethene	3.890	96	5936	0.126	ppbv	87
20) Methylene Chloride	3.944	84	10262	0.232	ppbv #	84
21) Allyl Chloride	4.005	41	8592	0.111	ppbv #	75
22) trans-1,2-Dichloroethene	4.462	96	5171	0.105	ppbv #	78
24) 1,1-Dichloroethane	4.575	63	4980	0.045	ppbv #	82
25) Ethyl Acetate	5.230	43	21769	0.090	ppbv #	89
26) Hexane	5.227	57	11471	0.106	ppbv #	84
27) Carbon Disulfide	4.137	76	12955	0.108	ppbv #	66
28) Methyl tert-Butyl Ether	4.616	73	3397	0.042	ppbv #	51
29) Chloroform	5.279	83	9155	0.055	ppbv	94
31) cis-1,2-Dichloroethene	5.086	61	4666	0.046	ppbv	91
32) 1,1,1-Trichloroethane	6.018	97	7851	0.050	ppbv #	11
36) Benzene	6.378	78	23604	0.104	ppbv #	93
37) 1,2-Dichloroethane	5.819	62	6244	0.047	ppbv #	79
38) Trichloroethene	7.308	130	5293	0.058	ppbv #	40
39) 1,2-Dichloropropane	6.664	63	723151	8.015	ppbv #	25
42) Bromodichloromethane	7.259	83	16464	0.087	ppbv #	81
43) Methyl Methacrylate	7.497	69	4584	0.053	ppbv #	14
44) 2,2,4-Trimethylpentane	7.346	57	17498	0.045	ppbv #	20
45) t-1,3-Dichloropropene	8.729	75	2415	0.041	ppbv	98
47) 1,1,2-Trichloroethane	8.918	97	8527	0.090	ppbv #	86
48) Dibromochloromethane	9.716	129	5553	0.036	ppbv #	10
49) Bromoform	12.420	173	4397	0.035	ppbv #	4
52) Tetrachloroethene	10.626	164	3674	0.044	ppbv #	75
53) Toluene	9.240	91	15188	0.058	ppbv #	64
56) 1,1,1,2-Tetrachloroethane	11.523	131	11359	0.103	ppbv #	59
57) Chlorobenzene	11.536	112	7232	0.038	ppbv	99
58) Ethyl Benzene	12.108	91	13302	0.040	ppbv	98
59) m/p-Xylene	12.378	91	8629	0.030	ppbv #	31
60) o-Xylene	13.073	91	16922	0.062	ppbv	83
62) Isopropylbenzene	14.040	105	21782	0.053	ppbv #	46
63) 1,1,2,2-Tetrachloroethane	13.069	83	10142	0.052	ppbv #	8

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Sample : VSTDIC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

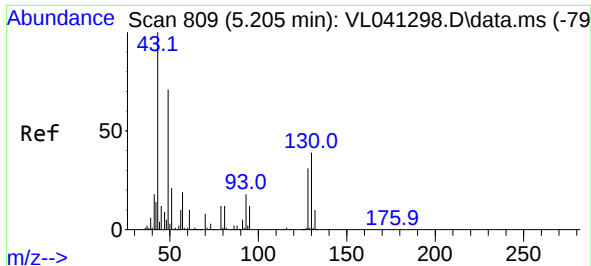
Quant Time: Jun 27 08:26:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Jun 12 01:18:29 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.114	119	15803	0.043	ppbv #	23
67) sec-Butylbenzene	16.654	105	25349	0.049	ppbv #	59
69) p-Isopropyltoluene	17.021	119	23293	0.055	ppbv #	67
71) 2-Chlorotoluene	14.825	91	13217	0.042	ppbv #	44
72) 4-Ethyltoluene	15.224	105	9760	0.031	ppbv #	34
74) 1,2,4-Trimethylbenzene	16.137	105	12844	0.041	ppbv	93
77) 1,2-Dichlorobenzene	17.162	146	8396	0.046	ppbv #	23

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

Quant Time: Jun 27 08:26:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jun 12 01:18:29 2024
Response via : Initial Calibration

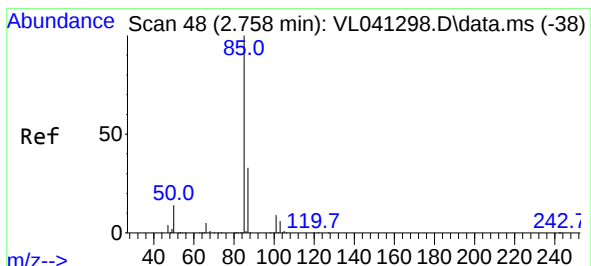
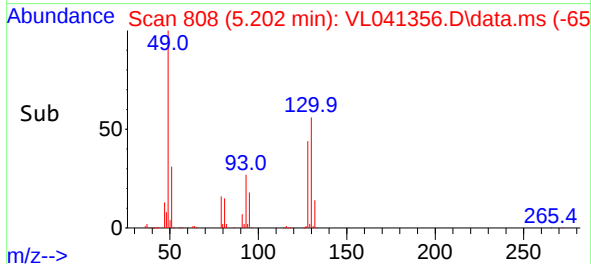
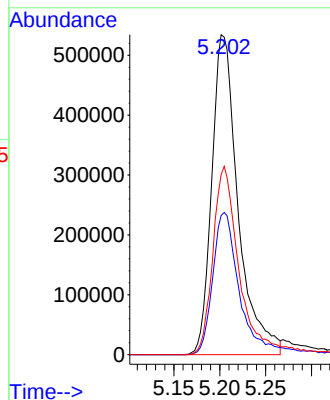
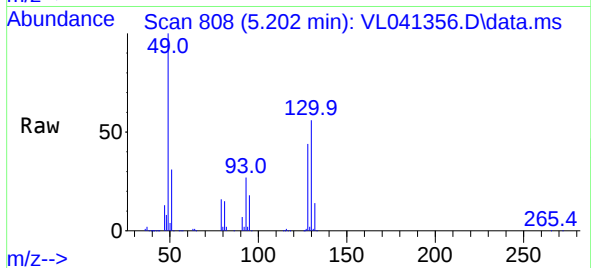




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

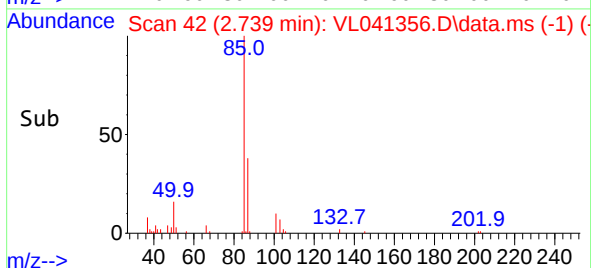
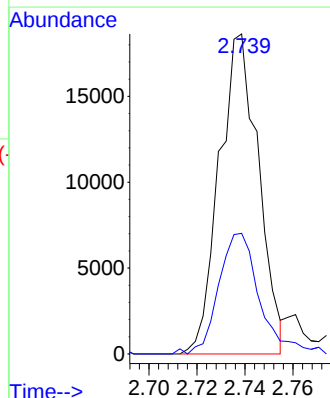
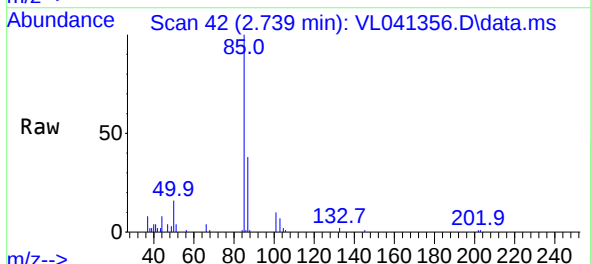
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1065536
Ion Ratio Lower Upper
49 100
128 47.4 22.8 68.3
130 60.6 28.4 85.3

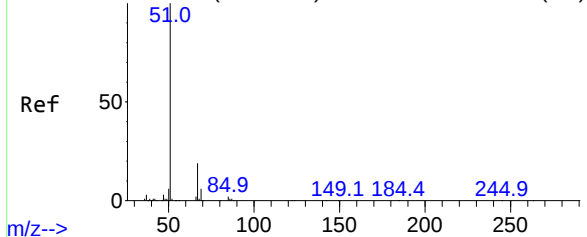


#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 2.739 min Scan# 42
Delta R.T. -0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 85 Resp: 21154
Ion Ratio Lower Upper
85 100
87 36.1 26.5 39.7



Abundance Scan 31 (2.703 min): VL041298.D\data.ms (-16)

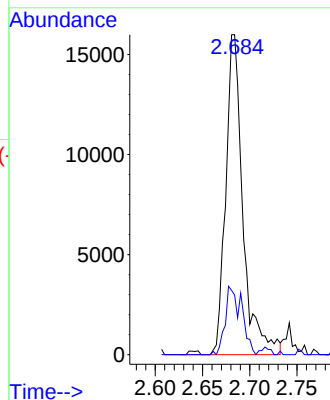
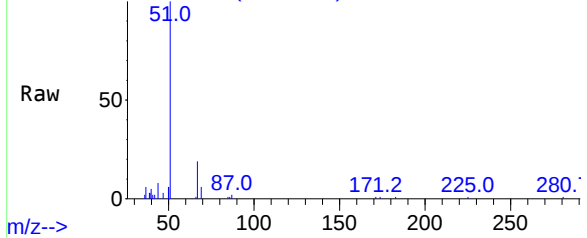


#3
Chlorodifluoromethane
Concen: 0.121 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

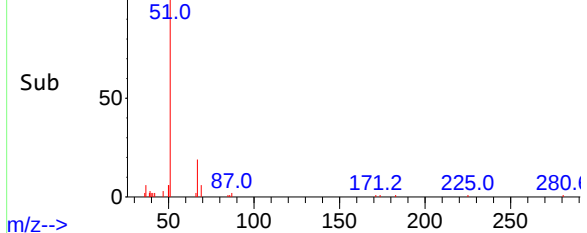
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 20313
Ion Ratio Lower Upper
51 100
67 21.8 14.7 22.1

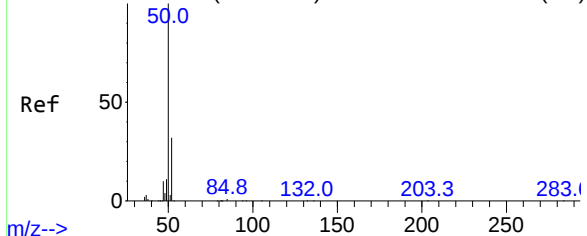
Abundance Scan 25 (2.684 min): VL041356.D\data.ms



Abundance Scan 25 (2.684 min): VL041356.D\data.ms (-1) (-)



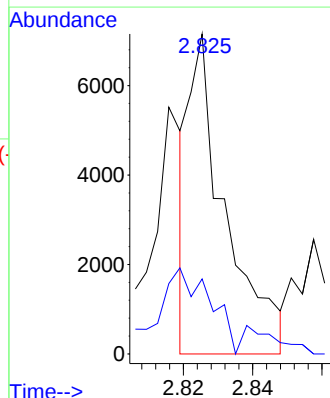
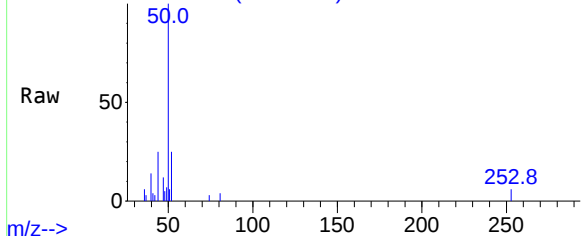
Abundance Scan 73 (2.838 min): VL041298.D\data.ms (-66)



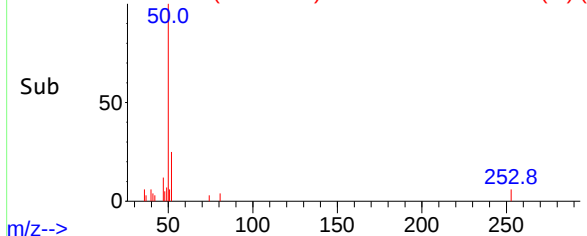
#4
Chloromethane
Concen: 0.083 ppbv
RT: 2.825 min Scan# 69
Delta R.T. -0.013 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

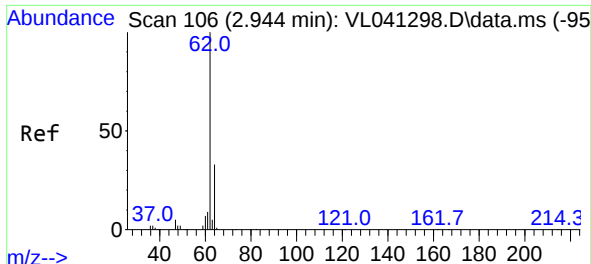
Tgt Ion: 50 Resp: 5236
Ion Ratio Lower Upper
50 100
52 22.9 25.6 38.4#

Abundance Scan 69 (2.825 min): VL041356.D\data.ms



Abundance Scan 69 (2.825 min): VL041356.D\data.ms (-1) (-)

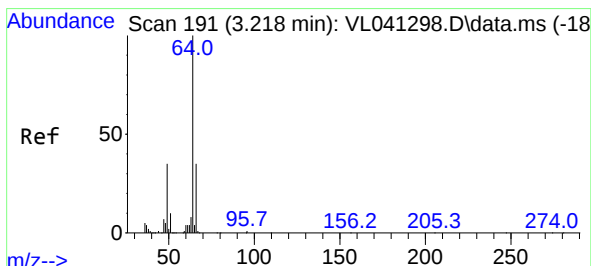
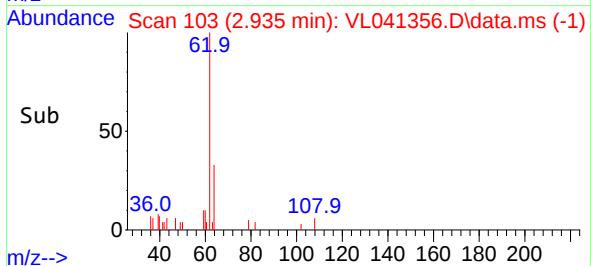
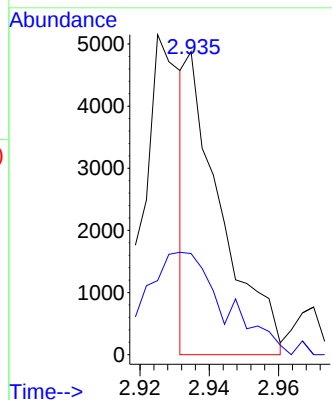
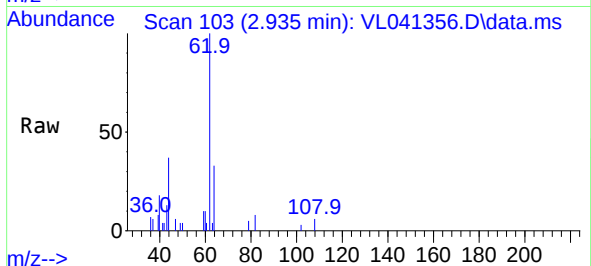




#5
Vinyl Chloride
Concen: 0.053 ppbv
RT: 2.935 min Scan# 106
Delta R.T. -0.010 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

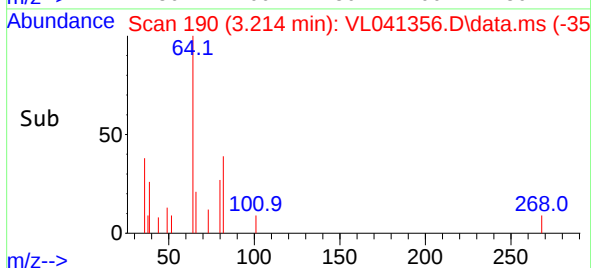
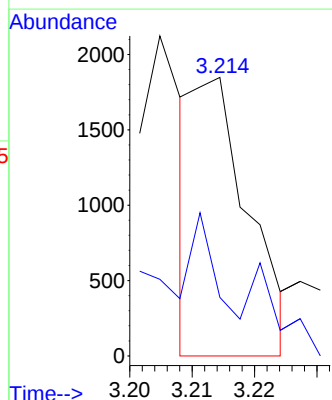
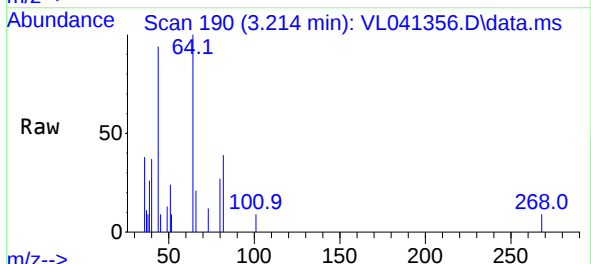
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 3406
Ion Ratio Lower Upper
62 100
64 31.4 26.6 40.0

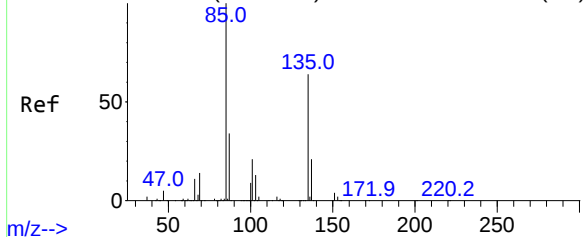


#7
Chloroethane
Concen: 0.052 ppbv
RT: 3.214 min Scan# 190
Delta R.T. -0.003 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 64 Resp: 1141
Ion Ratio Lower Upper
64 100
66 21.0 28.1 42.1#

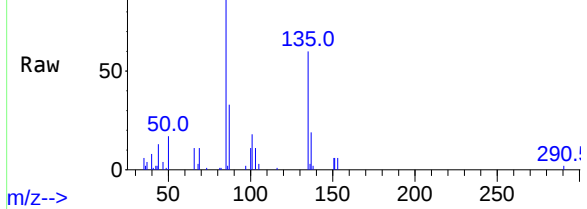


Abundance Scan 87 (2.883 min): VL041298.D\data.ms (-77)



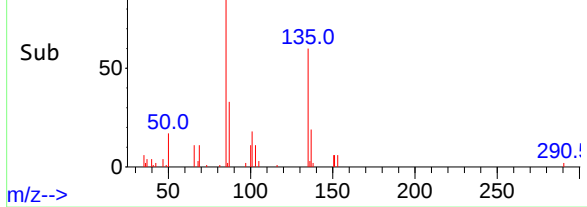
m/z-->

Abundance Scan 82 (2.867 min): VL041356.D\data.ms



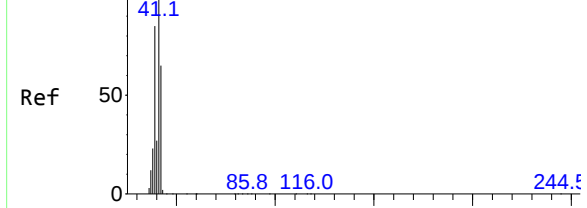
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Abundance Scan 82 (2.867 min): VL041356.D\data.ms (-1) (-)



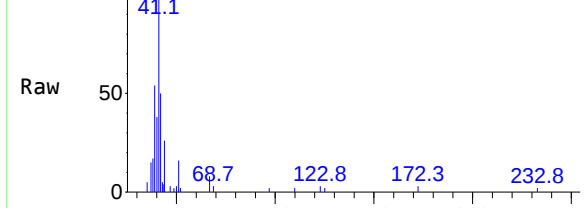
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Abundance Scan 37 (2.722 min): VL041298.D\data.ms (-27)



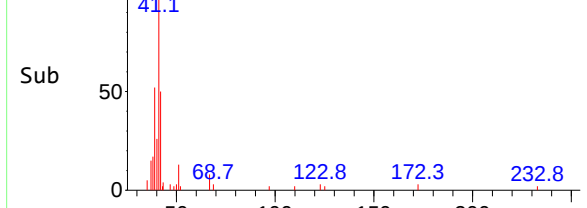
m/z-->

Abundance Scan 30 (2.700 min): VL041356.D\data.ms



m/z-->

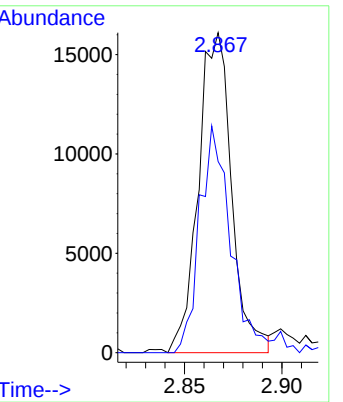
Abundance Scan 30 (2.700 min): VL041356.D\data.ms (-1) (-)



m/z-->

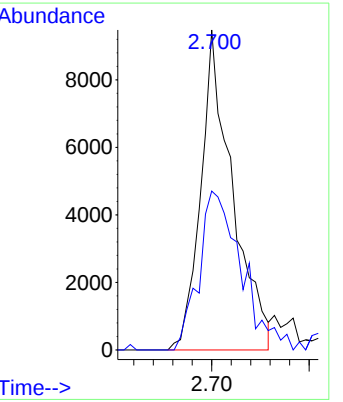
#8
Dichlorotetrafluoroethane
Concen: 0.122 ppbv
RT: 2.867 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

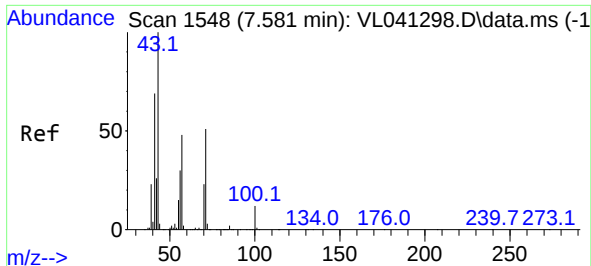
Tgt Ion: 85 Resp: 19110
Ion Ratio Lower Upper
85 100
135 69.9 51.7 77.5



#9
Propene
Concen: 0.178 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.022 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 41 Resp: 10703
Ion Ratio Lower Upper
41 100
42 69.4 55.2 82.8

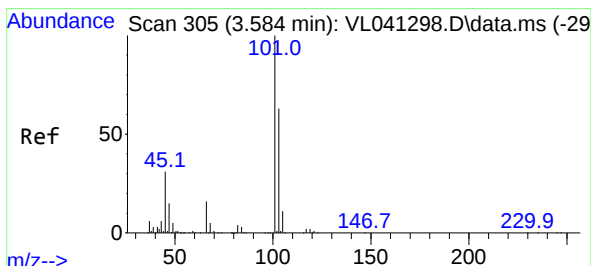
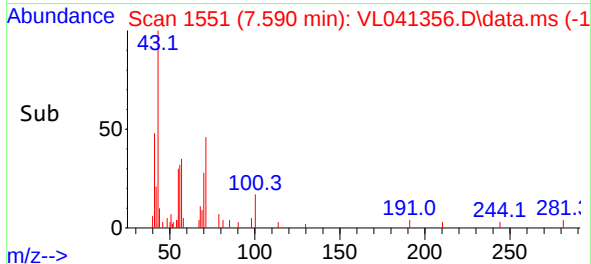
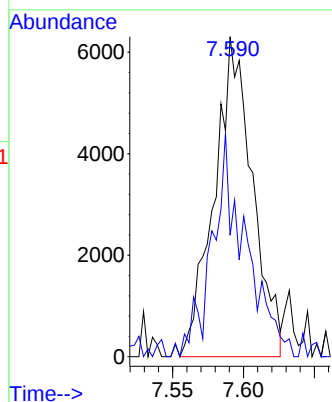
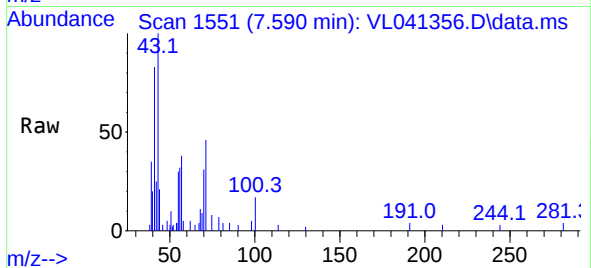




#10
Heptane
Concen: 0.084 ppbv
RT: 7.590 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

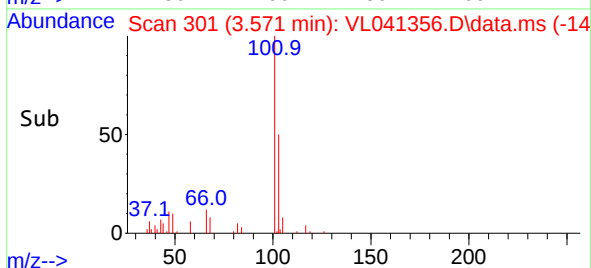
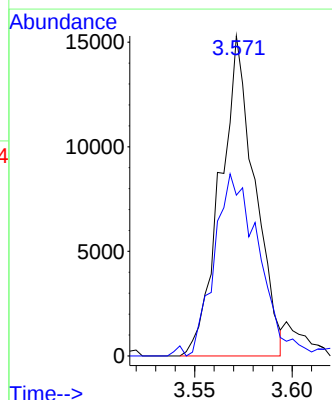
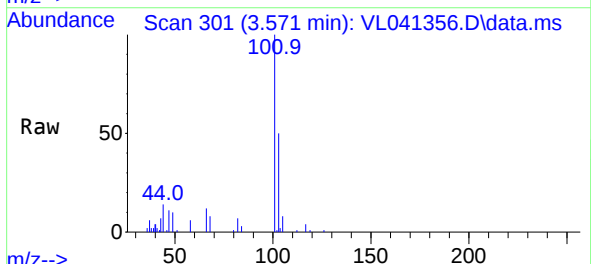
Instrument :
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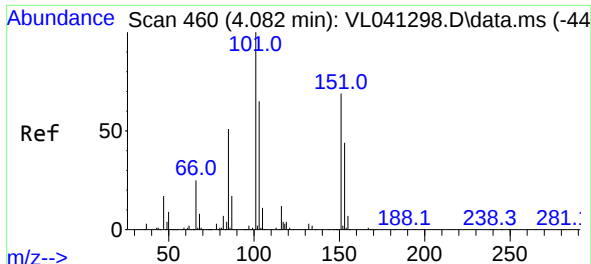
Tgt Ion: 43 Resp: 11871
Ion Ratio Lower Upper
43 100
57 63.0 39.0 58.4#



#11
Trichlorofluoromethane
Concen: 0.121 ppbv
RT: 3.571 min Scan# 301
Delta R.T. -0.013 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion:101 Resp: 18890
Ion Ratio Lower Upper
101 100
103 49.5 50.6 76.0#

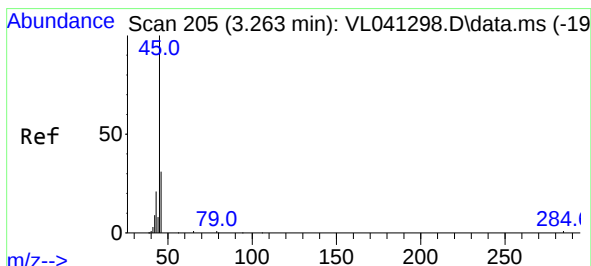
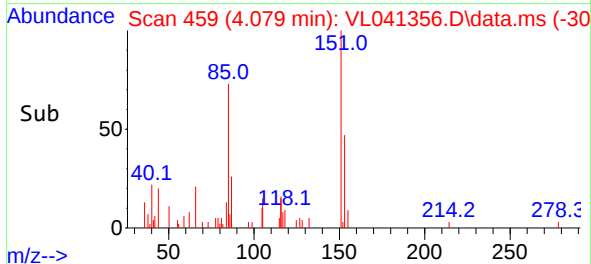
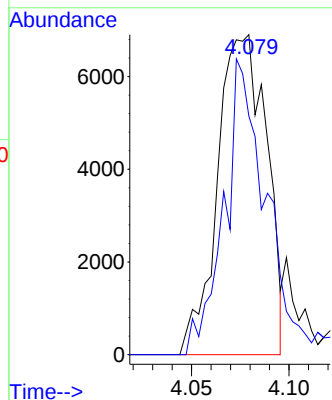
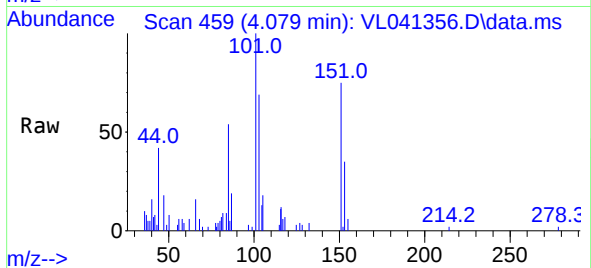




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.109 ppbv
RT: 4.079 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

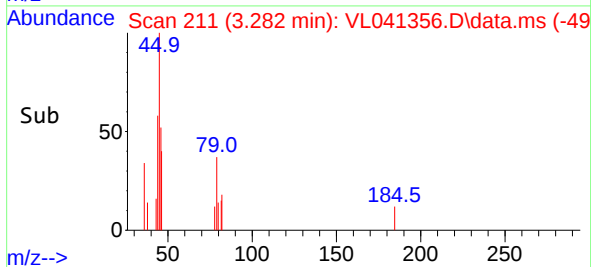
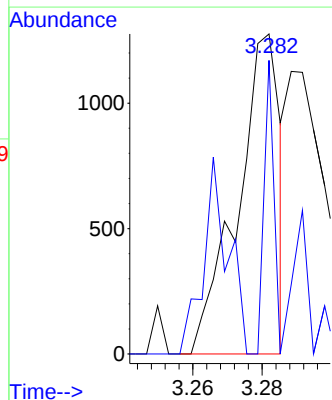
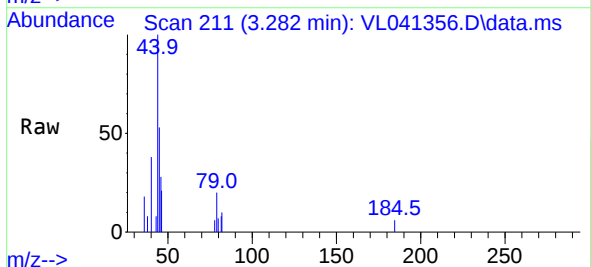
Instrument :
MSVOA_L
ClientSampleId :

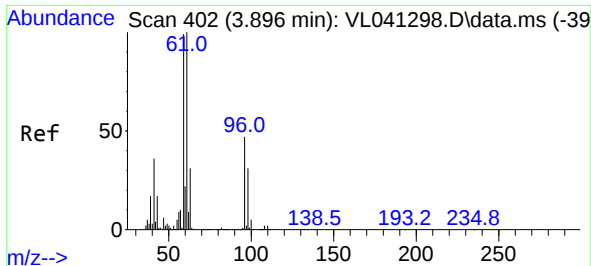
Tgt Ion:101 Resp: 12065
Ion Ratio Lower Upper
101 100
151 80.4 54.8 82.2



#13
Ethanol
Concen: 0.070 ppbv
RT: 3.282 min Scan# 211
Delta R.T. 0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 45 Resp: 1089
Ion Ratio Lower Upper
45 100
46 100.3 14.2 56.6#

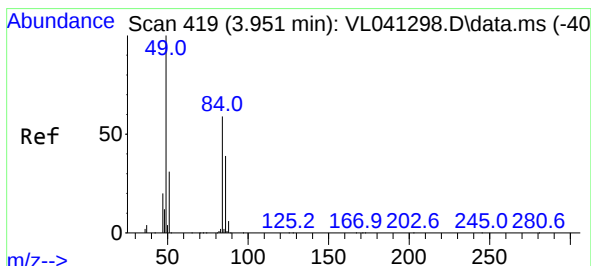
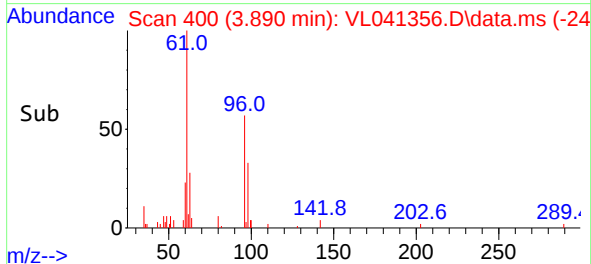
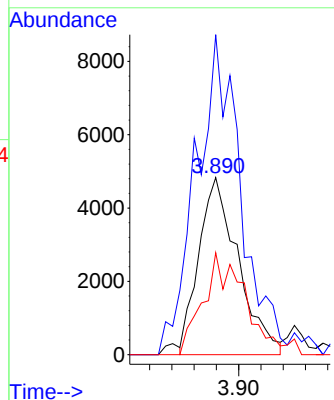
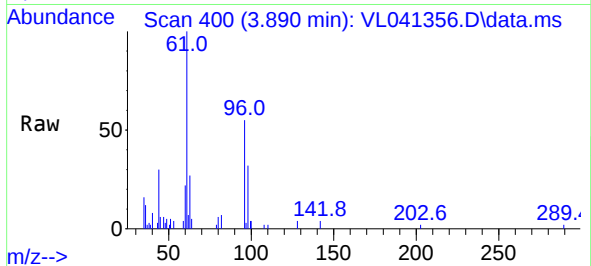




#18
1,1-Dichloroethene
Concen: 0.126 ppbv
RT: 3.890 min Scan# 402
Delta R.T. -0.006 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

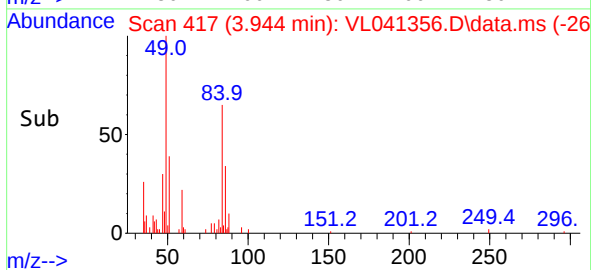
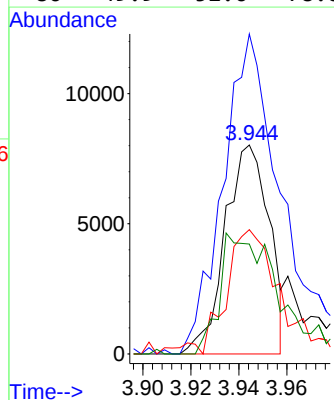
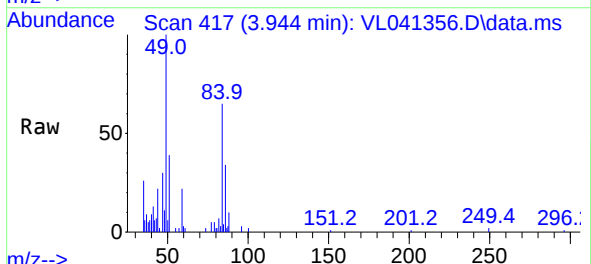
Instrument :
MSVOA_L
ClientSampleId :

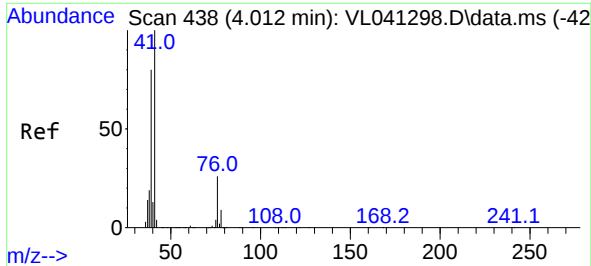
Tgt Ion: 96 Resp: 5936
Ion Ratio Lower Upper
96 100
61 190.8 171.8 257.8
98 60.0 53.1 79.7



#20
Methylene Chloride
Concen: 0.232 ppbv
RT: 3.944 min Scan# 417
Delta R.T. -0.006 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 84 Resp: 10262
Ion Ratio Lower Upper
84 100
49 145.3 136.2 204.2
51 53.6 41.9 62.9
86 49.9 52.6 78.8





#21

Allyl Chloride

Concen: 0.111 ppbv

RT: 4.005 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041356.D

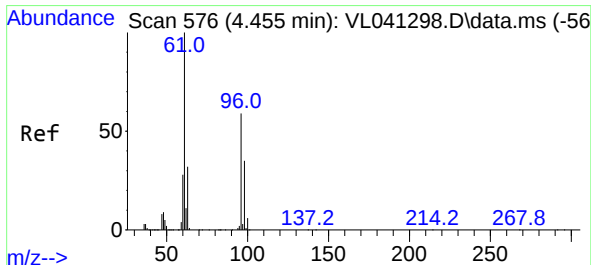
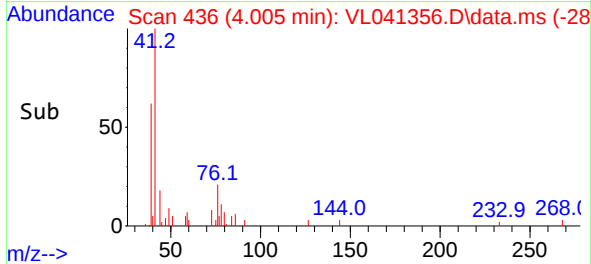
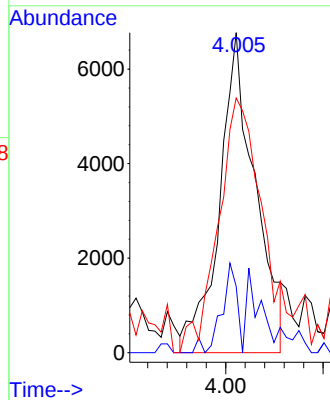
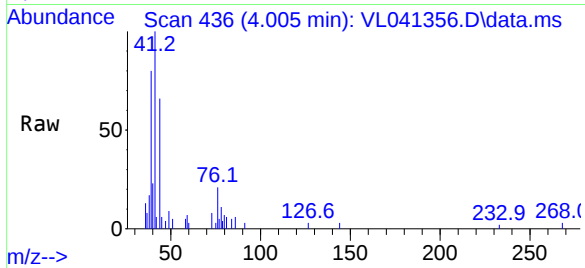
Acq: 26 Jun 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	41	Resp:	8592
Ion	Ratio	Lower	Upper
41	100		
76	26.7	22.3	33.5
39	112.5	66.3	99.5#



#22

trans-1,2-Dichloroethene

Concen: 0.105 ppbv

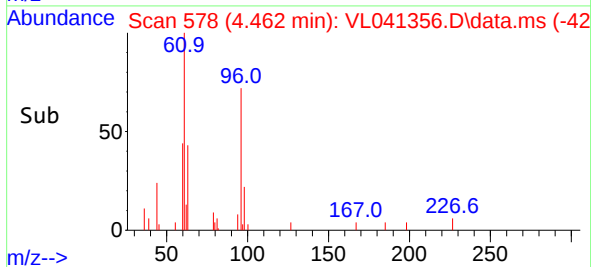
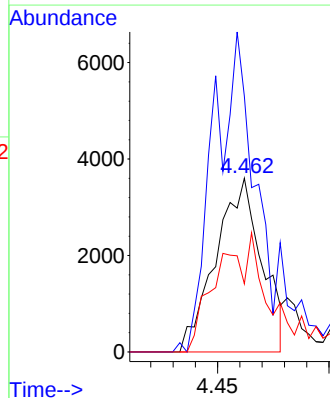
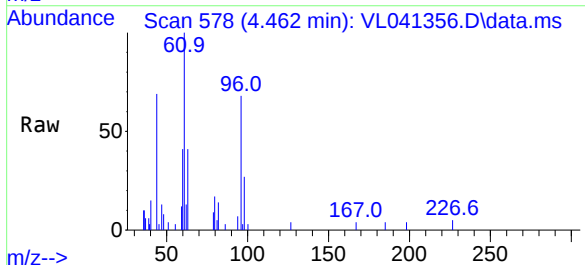
RT: 4.462 min Scan# 578

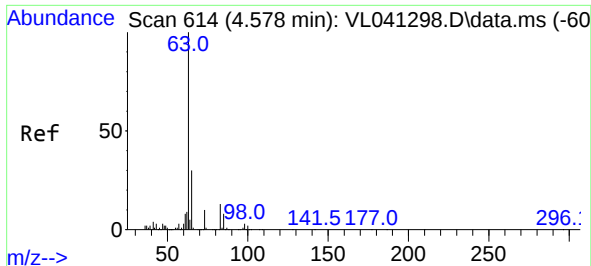
Delta R.T. 0.007 min

Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

Tgt Ion:	96	Resp:	5171
Ion	Ratio	Lower	Upper
96	100		
61	141.8	135.5	203.3
98	39.2	47.6	71.4#





#24

1,1-Dichloroethane

Concen: 0.045 ppbv

RT: 4.575 min Scan# 61

Delta R.T. -0.003 min

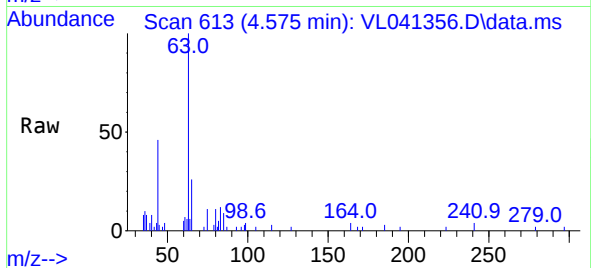
Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

Instrument :

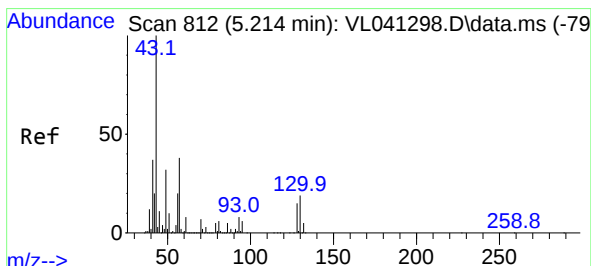
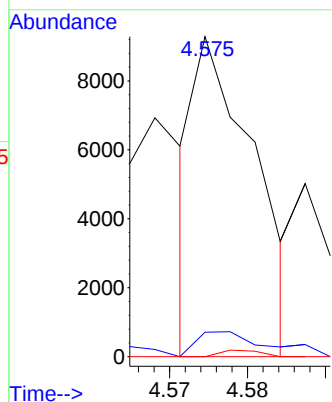
MSVOA_L

ClientSampleId :



Tgt Ion: 63 Resp: 4980

Ion	Ratio	Lower	Upper
63	100		
98	12.0	1.9	5.7#
100	0.0	1.1	3.5#



#25

Ethyl Acetate

Concen: 0.090 ppbv

RT: 5.230 min Scan# 817

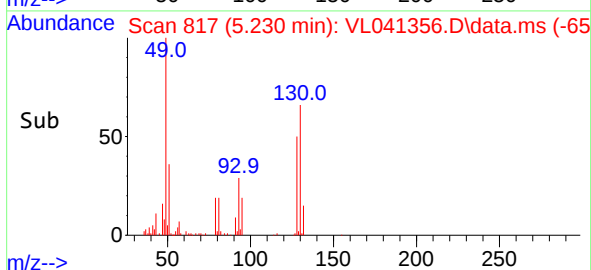
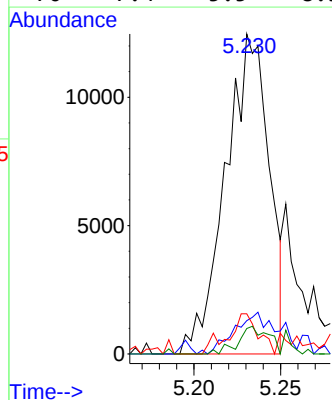
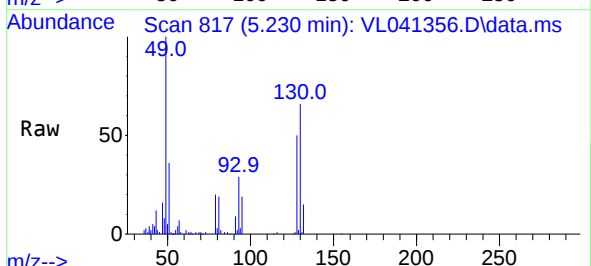
Delta R.T. 0.016 min

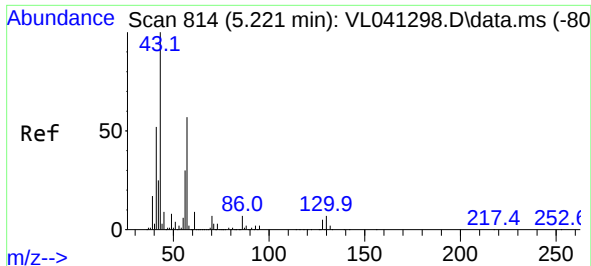
Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

Tgt Ion: 43 Resp: 21769

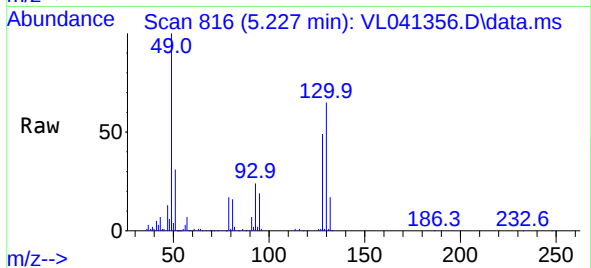
Ion	Ratio	Lower	Upper
43	100		
45	15.1	8.1	12.1#
61	14.9	7.4	11.0#
70	7.4	5.5	8.3





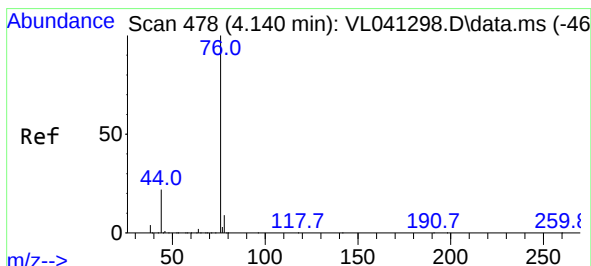
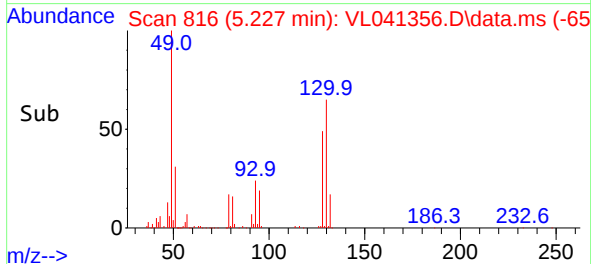
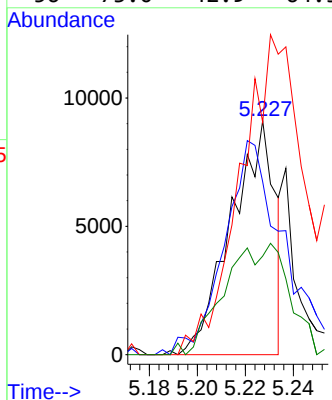
#26
Hexane
Concen: 0.106 ppbv
RT: 5.227 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 11471

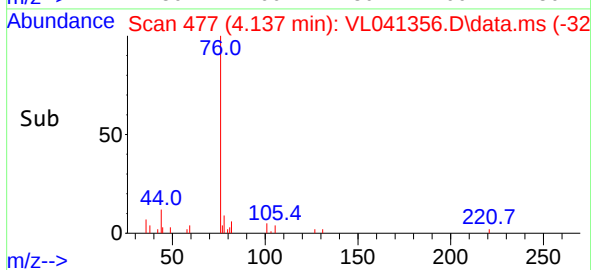
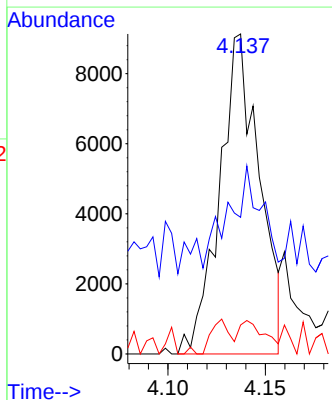
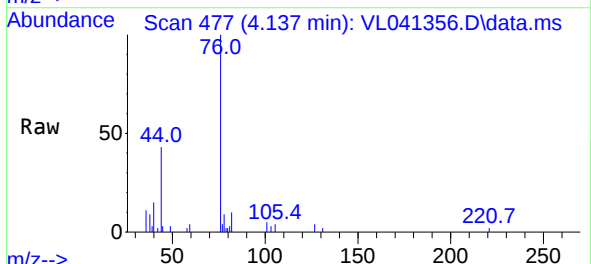
Ion	Ratio	Lower	Upper
57	100		
41	132.3	77.1	115.7#
43	241.9	186.1	279.1
56	73.0	42.9	64.3#

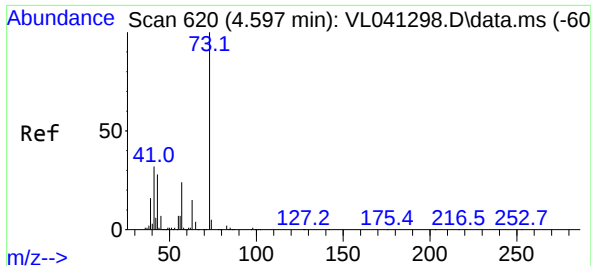


#27
Carbon Disulfide
Concen: 0.108 ppbv
RT: 4.137 min Scan# 477
Delta R.T. -0.003 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 76 Resp: 12955

Ion	Ratio	Lower	Upper
76	100		
44	44.7	17.7	26.5#
78	10.6	7.8	11.6

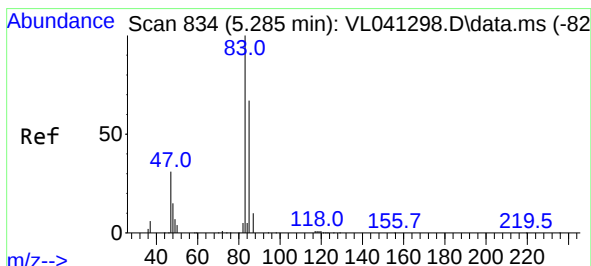
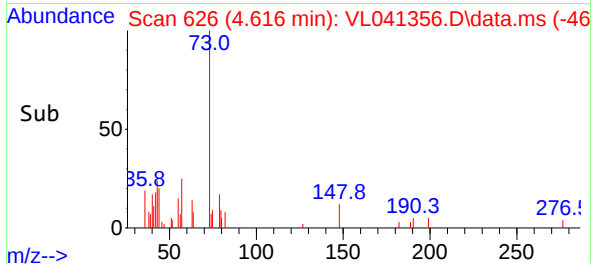
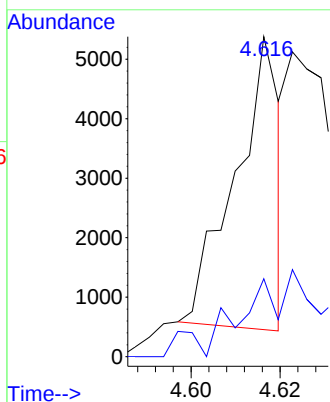
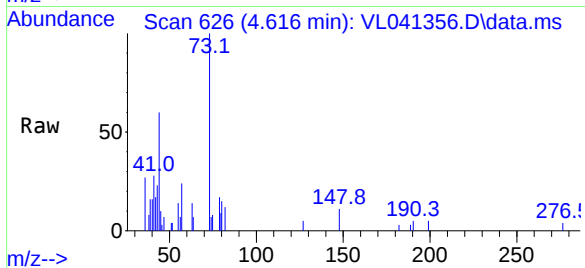




#28
Methyl tert-Butyl Ether
Concen: 0.042 ppbv
RT: 4.616 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

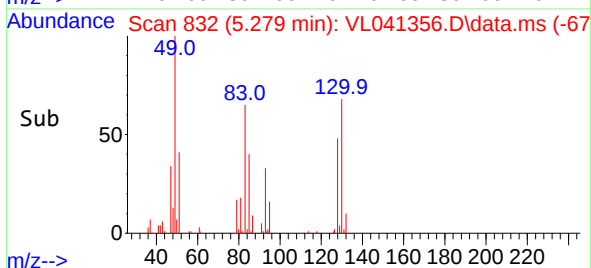
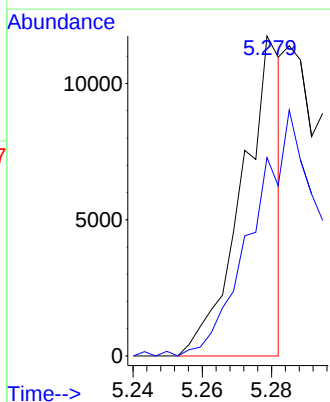
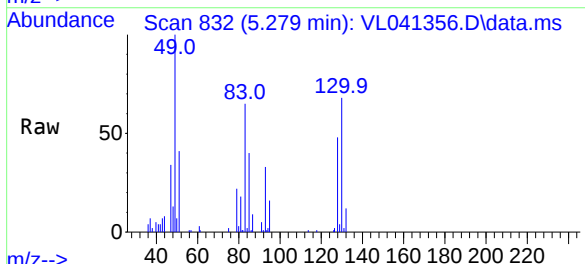
Instrument :
MSVOA_L
ClientSampleId :

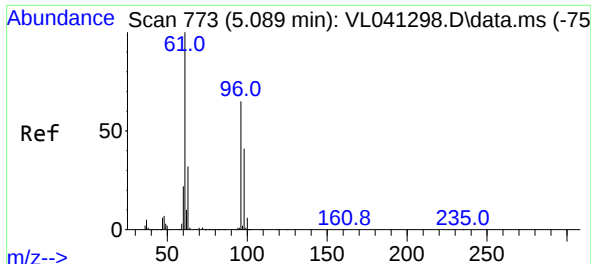
Tgt Ion: 73 Resp: 3397
Ion Ratio Lower Upper
73 100
57 0.0 19.2 28.8#



#29
Chloroform
Concen: 0.055 ppbv
RT: 5.279 min Scan# 832
Delta R.T. -0.006 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 83 Resp: 9155
Ion Ratio Lower Upper
83 100
85 62.0 53.3 79.9

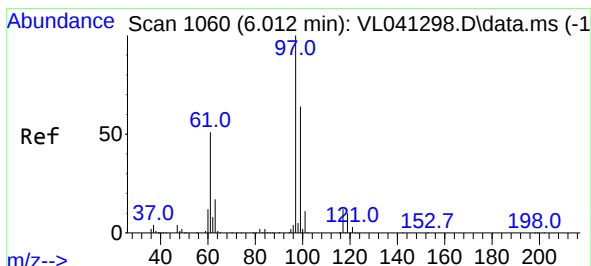
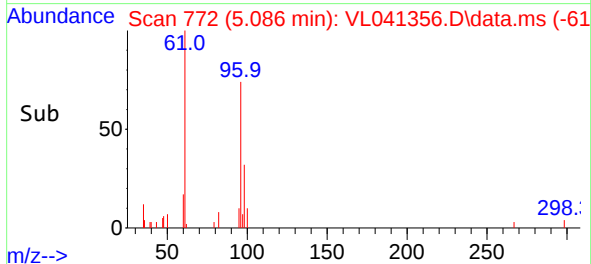
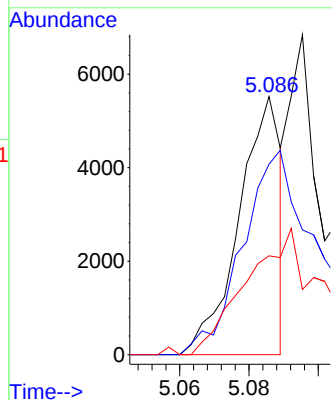
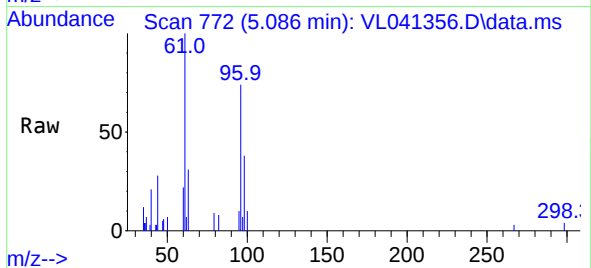




#31
cis-1,2-Dichloroethene
Concen: 0.046 ppbv
RT: 5.086 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

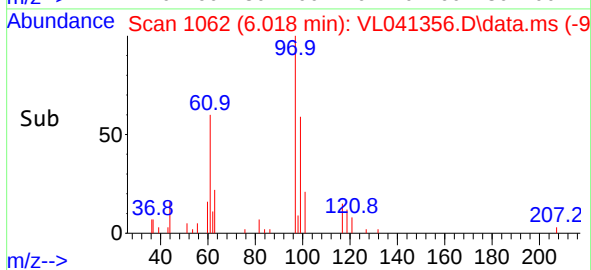
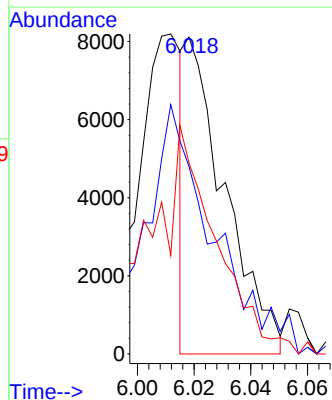
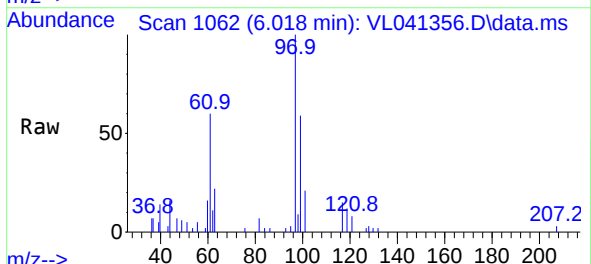
Instrument :
MSVOA_L
ClientSampleId :

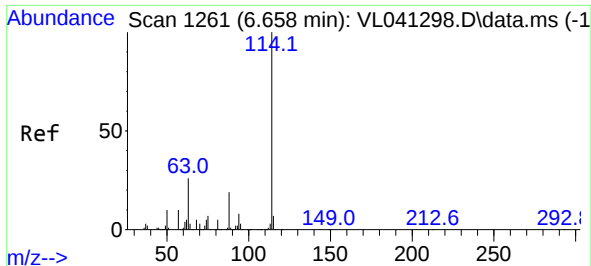
Tgt Ion: 61 Resp: 4666
Ion Ratio Lower Upper
61 100
96 73.8 52.1 78.1
98 38.3 33.1 49.7



#32
1,1,1-Trichloroethane
Concen: 0.050 ppbv
RT: 6.018 min Scan# 1062
Delta R.T. 0.007 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 97 Resp: 7851
Ion Ratio Lower Upper
97 100
99 0.0 51.9 77.9#
61 122.5 42.9 64.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :

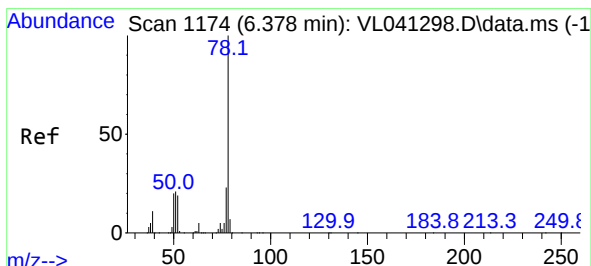
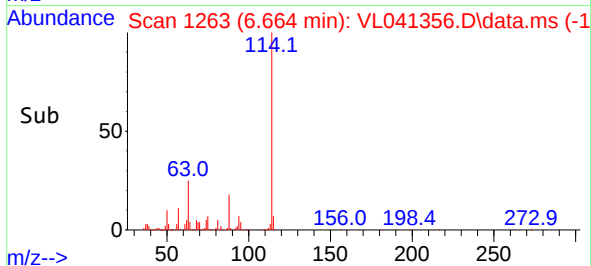
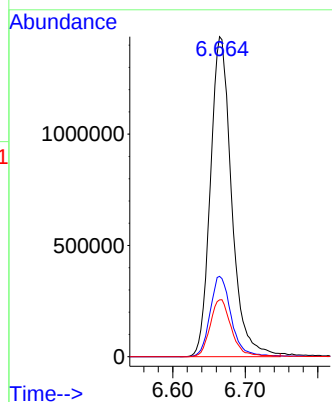
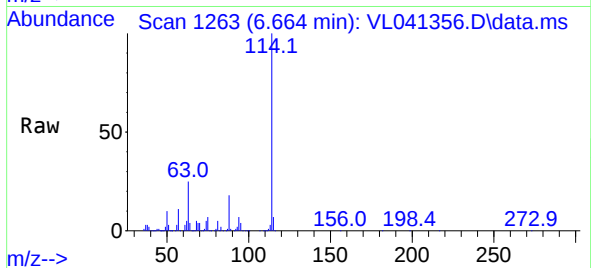
Tgt Ion:114 Resp: 2923311

Ion Ratio Lower Upper

114 100

63 25.3 20.6 30.8

88 18.1 14.5 21.7



#36

Benzene

Concen: 0.104 ppbv

RT: 6.378 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

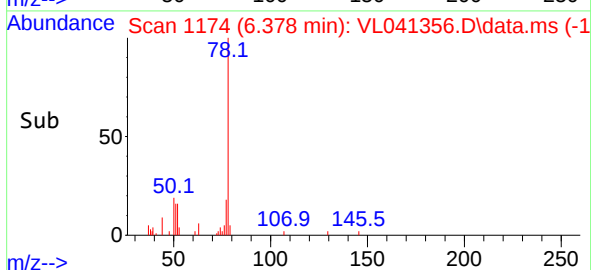
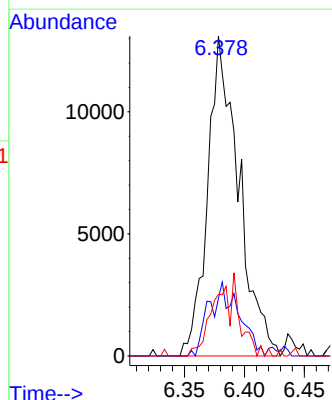
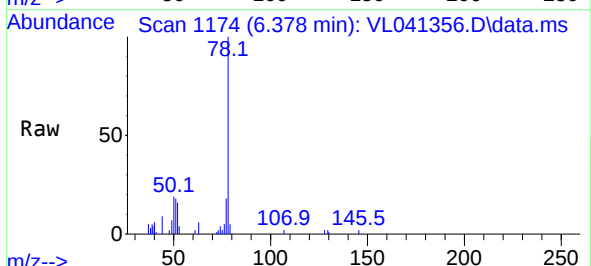
Tgt Ion: 78 Resp: 23604

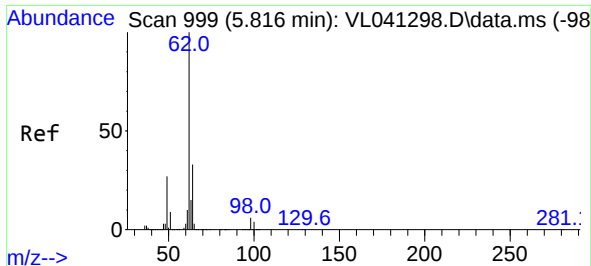
Ion Ratio Lower Upper

78 100

77 18.0 18.6 28.0#

50 19.2 16.0 24.0

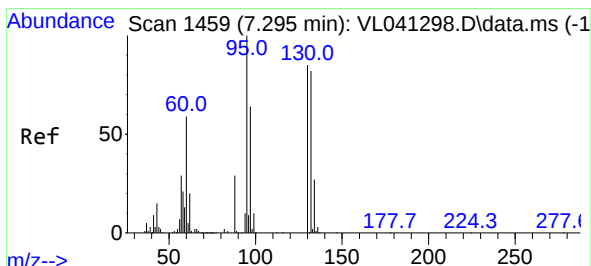
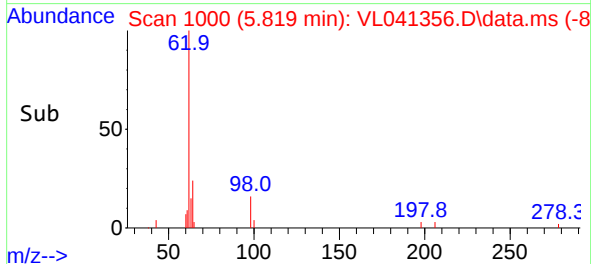
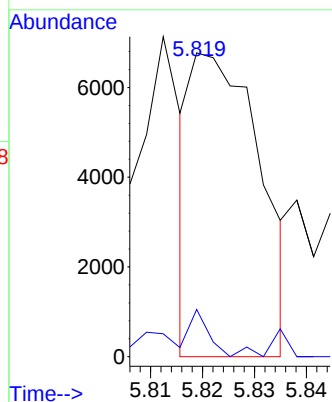
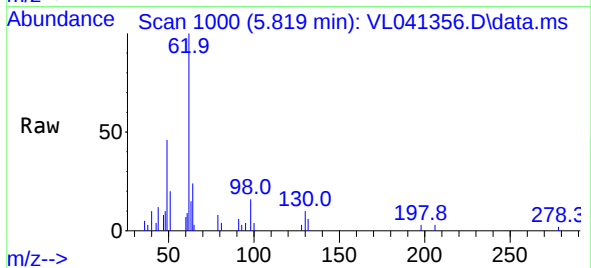




#37
1,2-Dichloroethane
Concen: 0.047 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.003 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

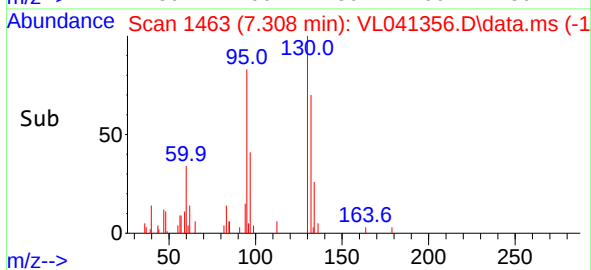
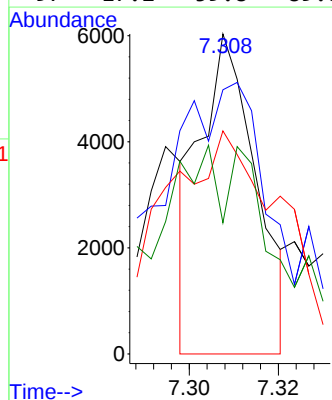
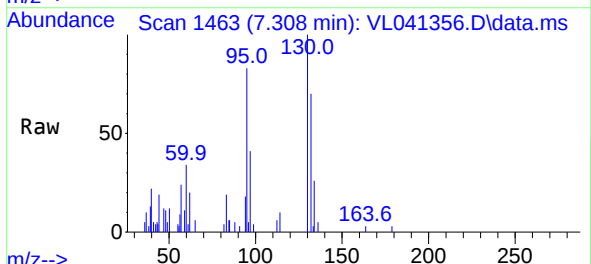
Instrument :
MSVOA_L
ClientSampleId :

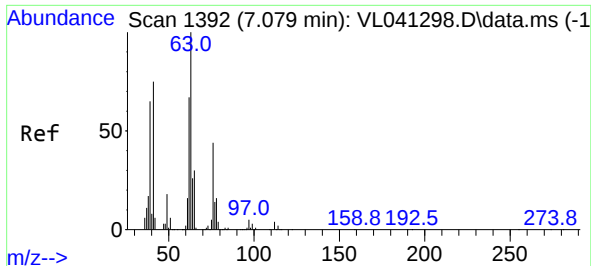
Tgt Ion: 62 Resp: 6244
Ion Ratio Lower Upper
62 100
98 13.2 4.8 7.2#



#38
Trichloroethene
Concen: 0.058 ppbv
RT: 7.308 min Scan# 1463
Delta R.T. 0.013 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion:130 Resp: 5293
Ion Ratio Lower Upper
130 100
95 62.6 94.0 141.0#
132 30.3 76.7 115.1#
97 17.2 59.8 89.8#





#39

1,2-Dichloropropane

Concen: 8.015 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

Instrument :

MSVOA_L

ClientSampleId :

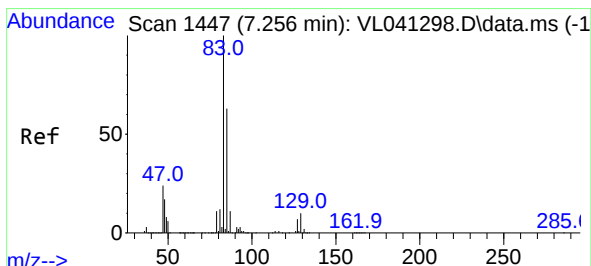
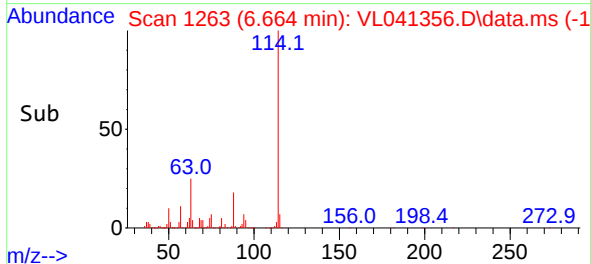
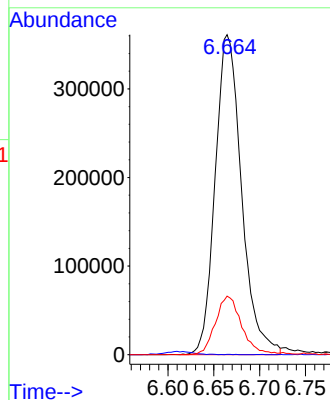
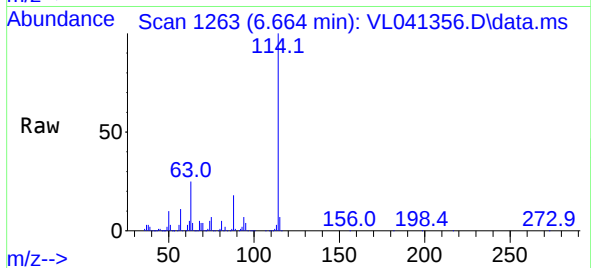
Tgt Ion: 63 Resp: 723151

Ion Ratio Lower Upper

63 100

41 0.0 59.9 89.9#

62 18.3 53.8 80.6#



#42

Bromodichloromethane

Concen: 0.087 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.003 min

Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

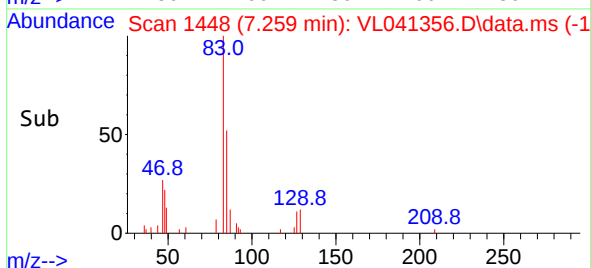
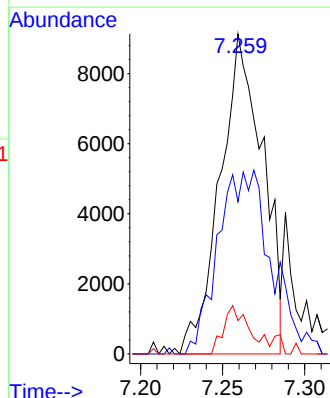
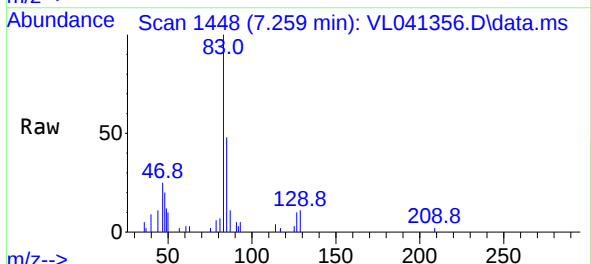
Tgt Ion: 83 Resp: 16464

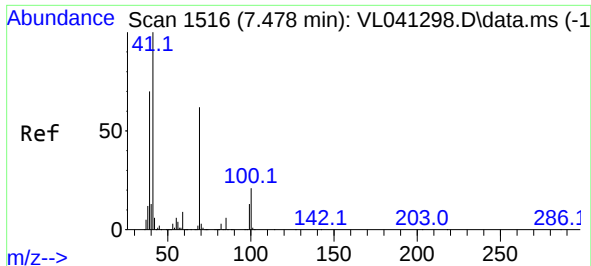
Ion Ratio Lower Upper

83 100

85 47.6 50.6 75.8#

127 10.5 5.6 8.4#

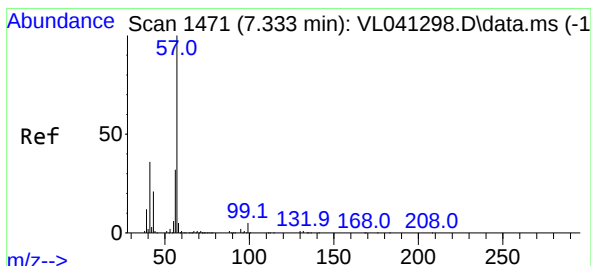
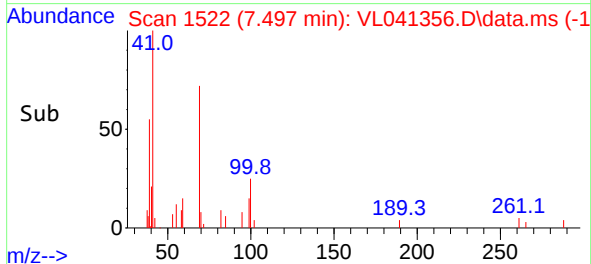
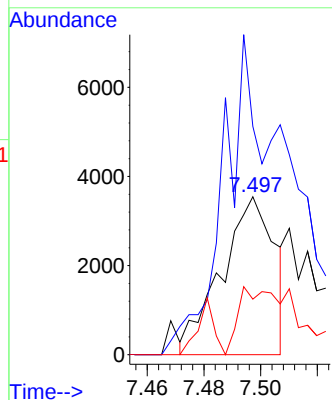
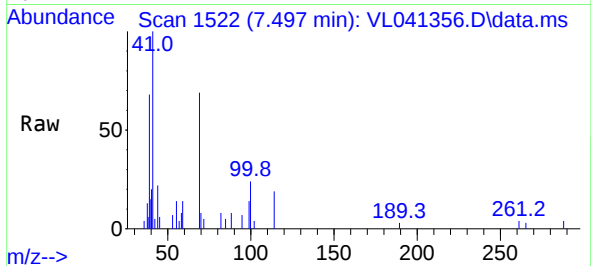




#43
Methyl Methacrylate
Concen: 0.053 ppbv
RT: 7.497 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

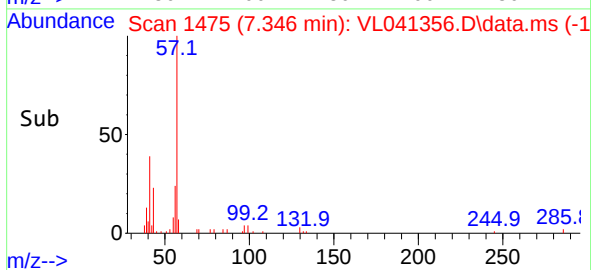
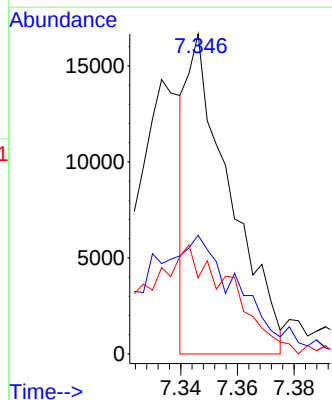
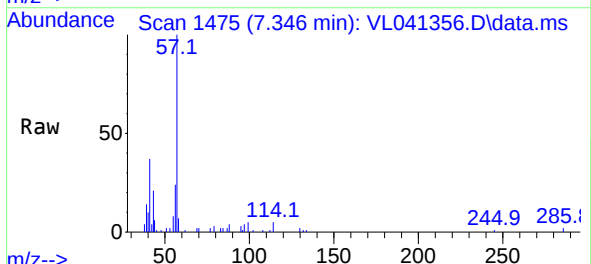
Instrument :
MSVOA_L
ClientSampleId :

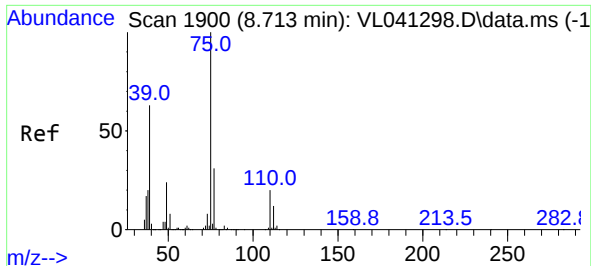
Tgt Ion: 69 Resp: 4584
Ion Ratio Lower Upper
69 100
41 279.9 125.8 188.6#
100 60.5 27.0 40.6#



#44
2,2,4-Trimethylpentane
Concen: 0.045 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.013 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

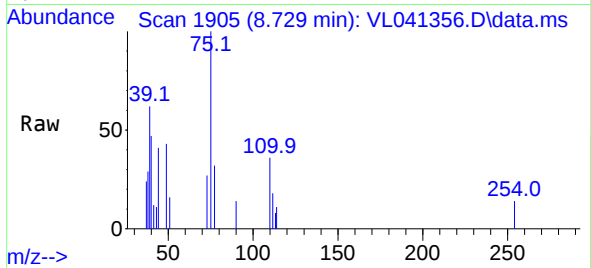
Tgt Ion: 57 Resp: 17498
Ion Ratio Lower Upper
57 100
41 86.3 29.4 44.2#
56 73.1 25.0 37.4#



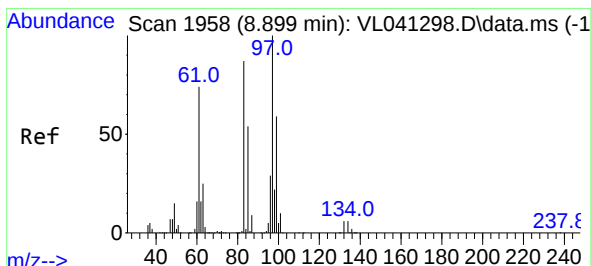
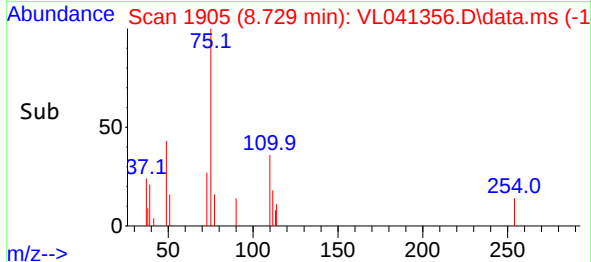
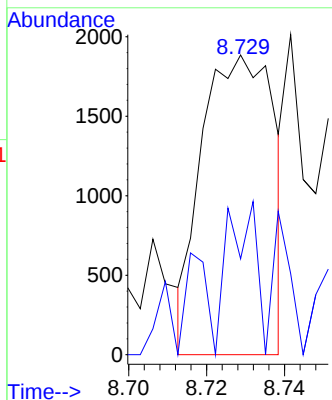


#45
t-1,3-Dichloropropene
Concen: 0.041 ppbv
RT: 8.729 min Scan# 1900
Delta R.T. 0.016 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :

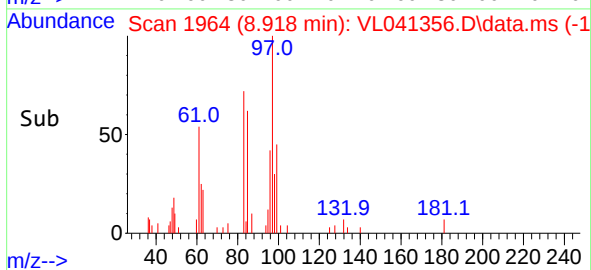
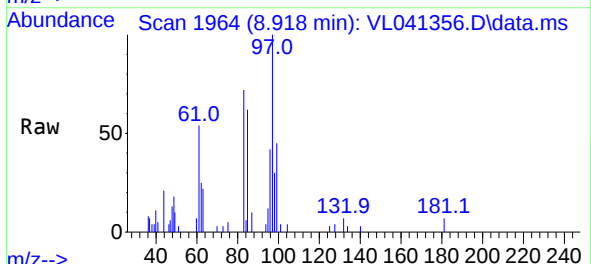
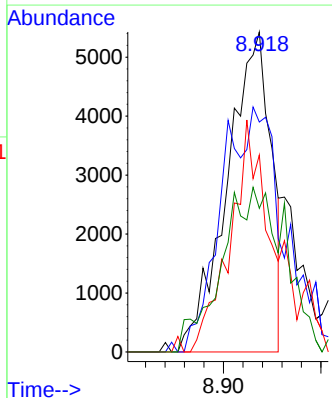


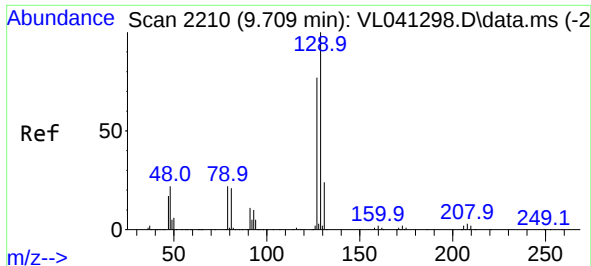
Tgt Ion: 75 Resp: 2415
Ion Ratio Lower Upper
75 100
77 32.0 24.7 37.1



#47
1,1,2-Trichloroethane
Concen: 0.090 ppbv
RT: 8.918 min Scan# 1964
Delta R.T. 0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 97 Resp: 8527
Ion Ratio Lower Upper
97 100
83 71.8 69.7 104.5
85 56.7 43.1 64.7
99 44.9 47.0 70.6

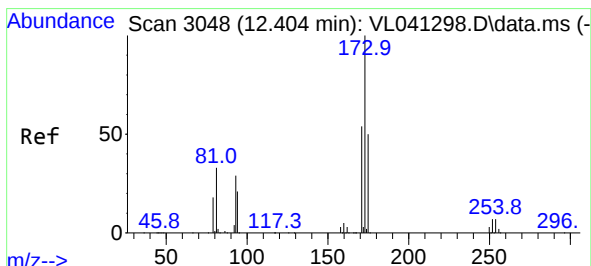
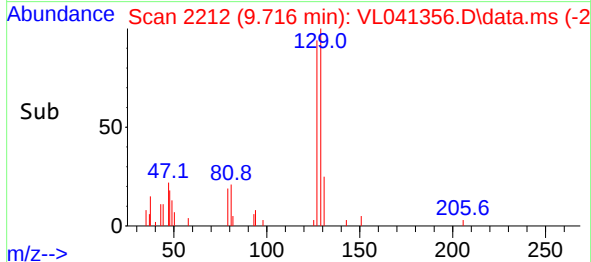
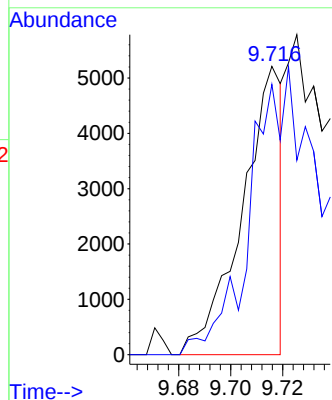
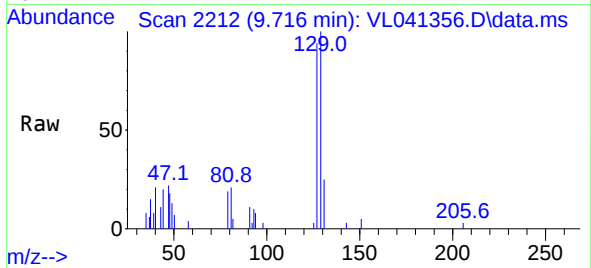




#48
Dibromochloromethane
Concen: 0.036 ppbv
RT: 9.716 min Scan# 211
Delta R.T. 0.006 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

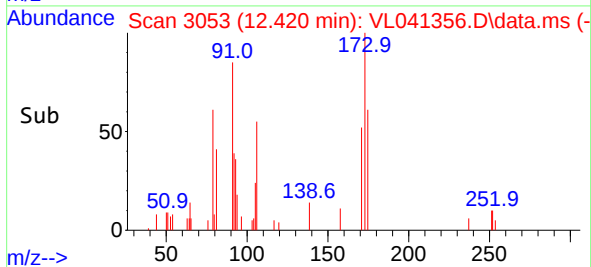
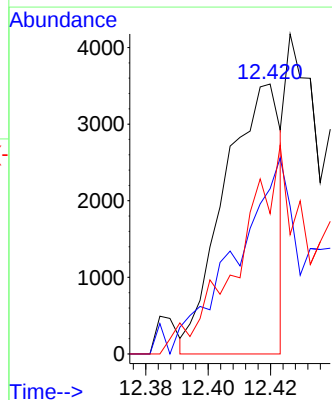
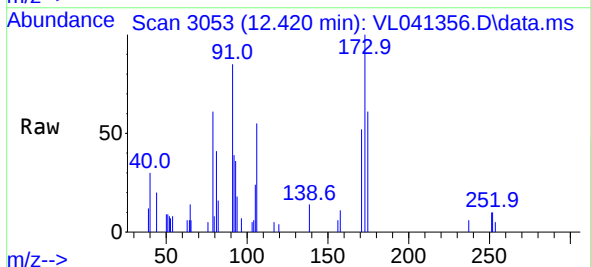
Instrument :
MSVOA_L
ClientSampleId :

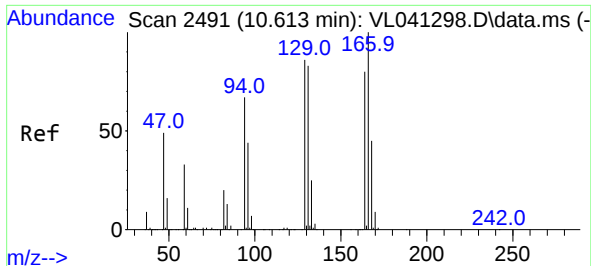
Tgt Ion:129 Resp: 5553
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#



#49
Bromoform
Concen: 0.035 ppbv
RT: 12.420 min Scan# 3053
Delta R.T. 0.016 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

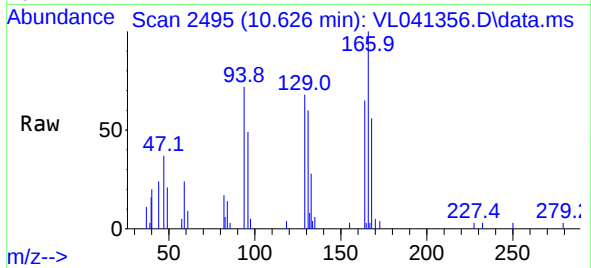
Tgt Ion:173 Resp: 4397
Ion Ratio Lower Upper
173 100
175 115.9 39.9 59.9#
171 121.3 42.6 63.8#



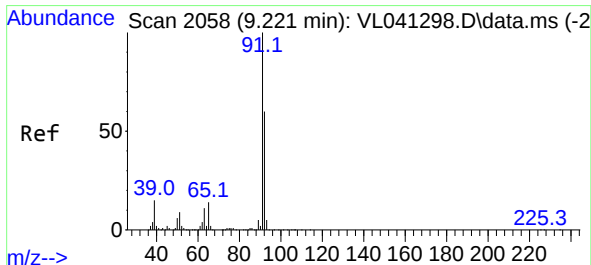
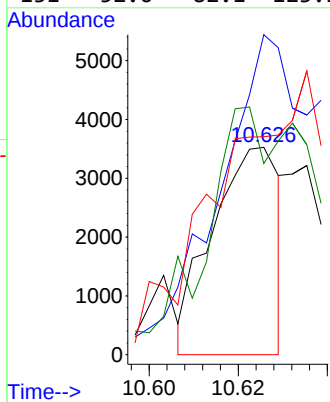
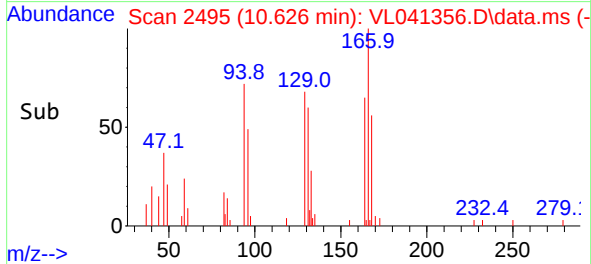


#52
Tetrachloroethene
Concen: 0.044 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.013 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :

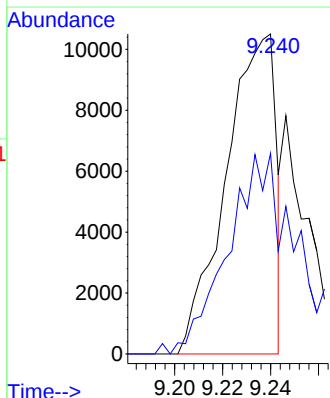
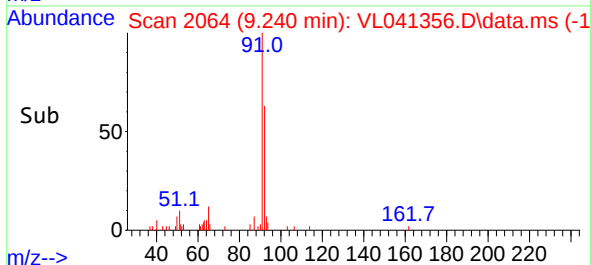
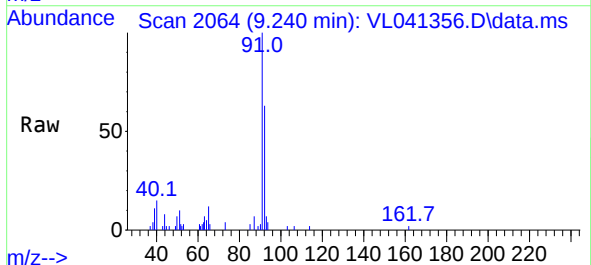


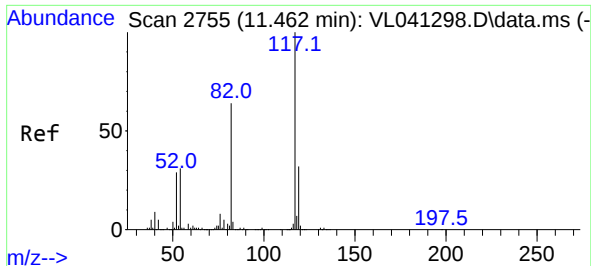
Tgt Ion:164 Resp: 3674
Ion Ratio Lower Upper
164 100
166 143.0 99.4 149.0
129 95.3 85.4 128.2
131 52.6 82.1 123.1#



#53
Toluene
Concen: 0.058 ppbv
RT: 9.240 min Scan# 2064
Delta R.T. 0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

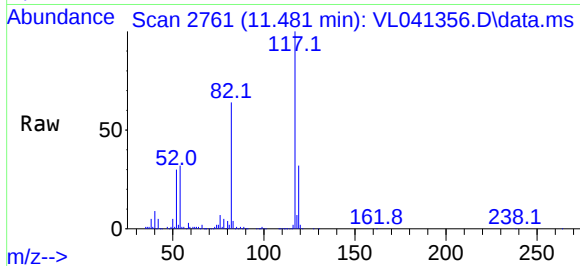
Tgt Ion: 91 Resp: 15188
Ion Ratio Lower Upper
91 100
92 89.0 49.2 73.8#



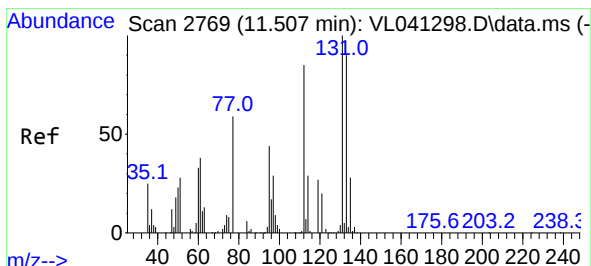
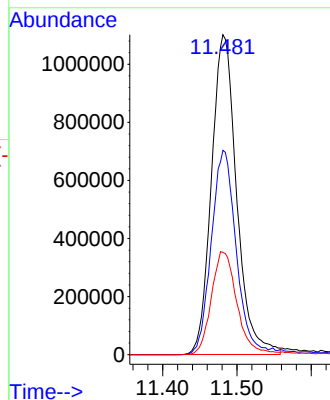
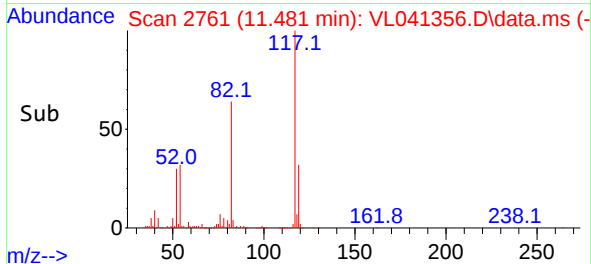


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2174
Delta R.T. 0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :

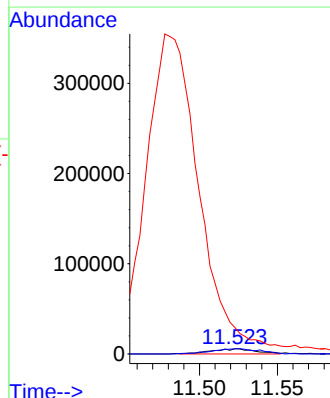
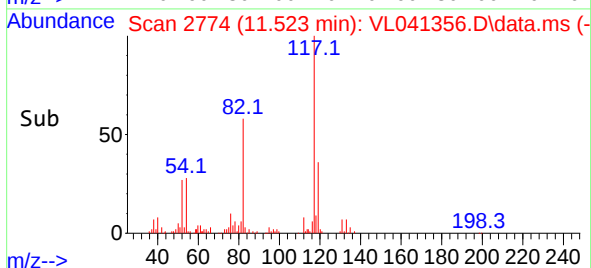
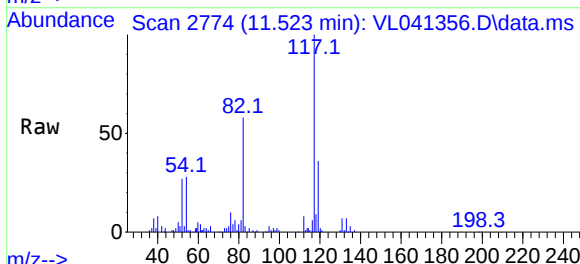


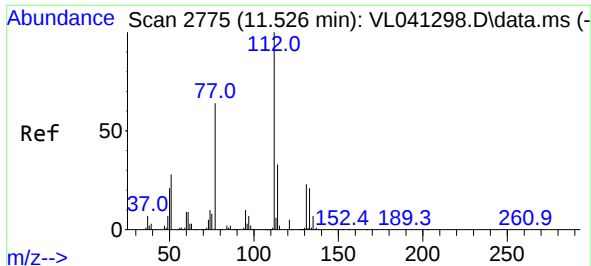
Tgt Ion:117 Resp: 2596031
Ion Ratio Lower Upper
117 100
82 65.3 52.3 78.5
119 33.3 26.2 39.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.103 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. 0.016 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion:131 Resp: 11359
Ion Ratio Lower Upper
131 100
133 110.2 75.8 113.6
119 0.0 48.3 72.5#

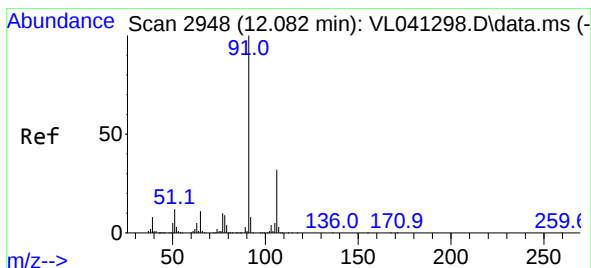
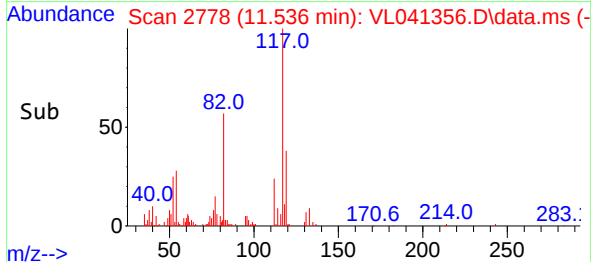
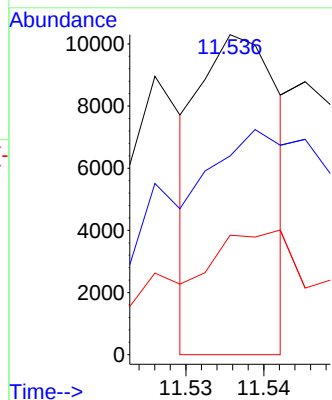
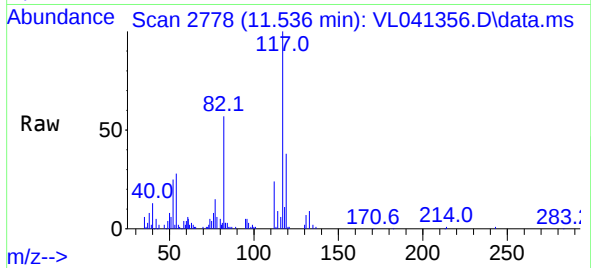




#57
Chlorobenzene
Concen: 0.038 ppbv
RT: 11.536 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

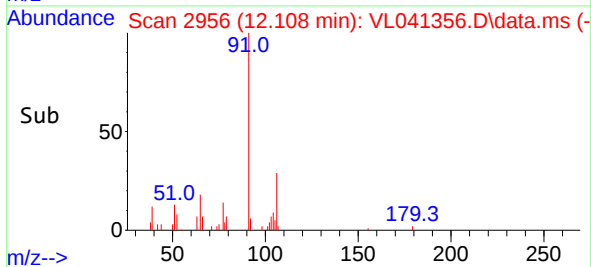
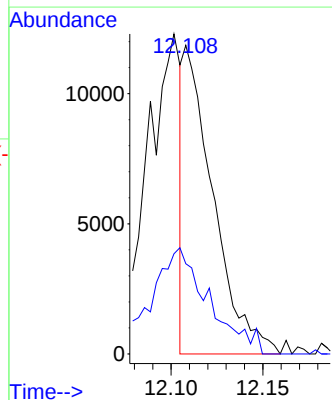
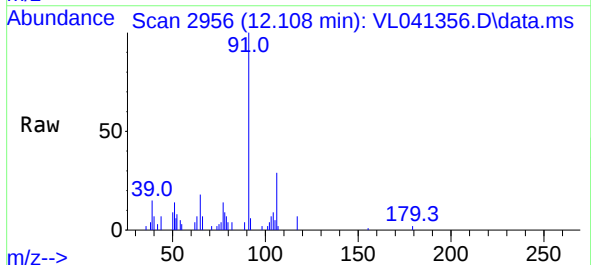
Instrument :
MSVOA_L
ClientSampleId :

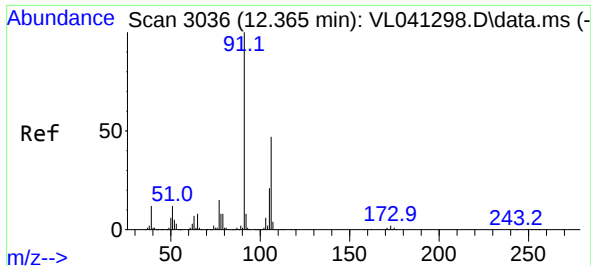
Tgt Ion:112 Resp: 7232
Ion Ratio Lower Upper
112 100
77 65.8 52.0 78.0
114 32.2 29.8 36.4



#58
Ethyl Benzene
Concen: 0.040 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.026 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 91 Resp: 13302
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3





#59

m/p-Xylene

Concen: 0.030 ppbv

RT: 12.378 min Scan# 3036

Delta R.T. 0.013 min

Lab File: VL041356.D

Acq: 26 Jun 2024 11:33

Instrument :

MSVOA_L

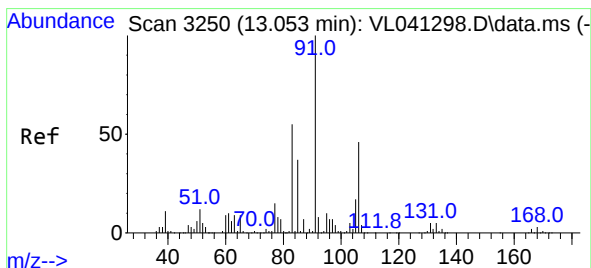
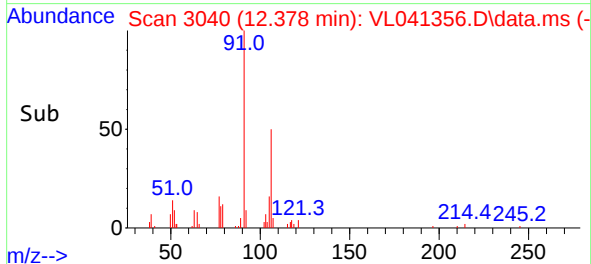
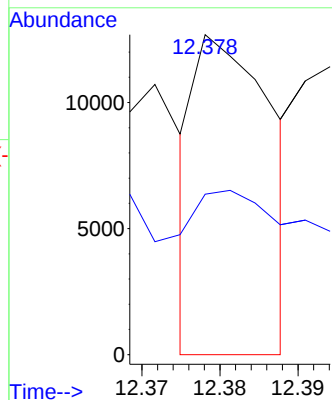
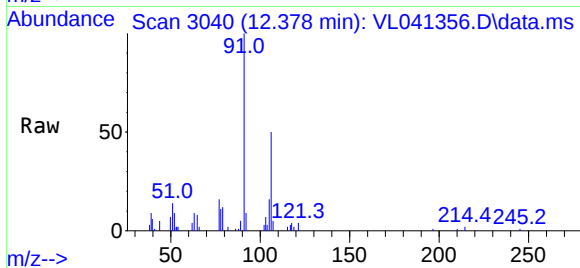
ClientSampleId :

Tgt Ion: 91 Resp: 8629

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#



#60

o-Xylene

Concen: 0.062 ppbv

RT: 13.073 min Scan# 3256

Delta R.T. 0.019 min

Lab File: VL041356.D

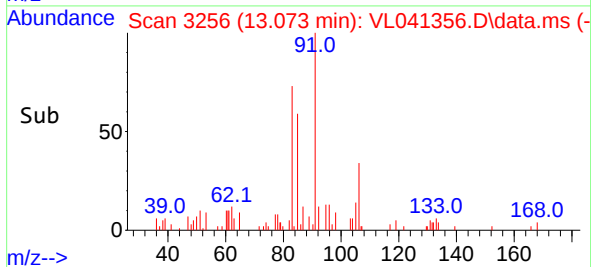
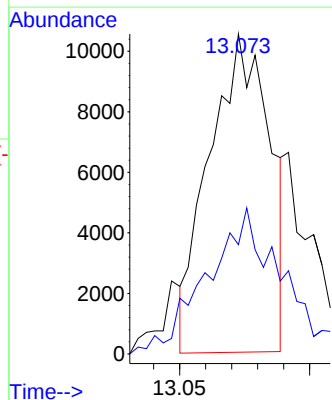
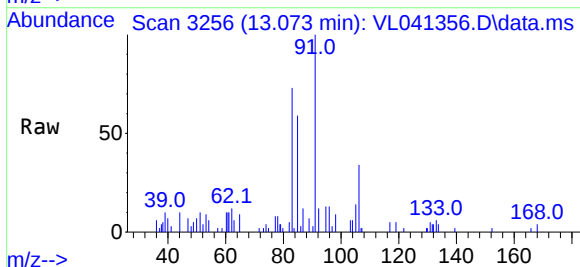
Acq: 26 Jun 2024 11:33

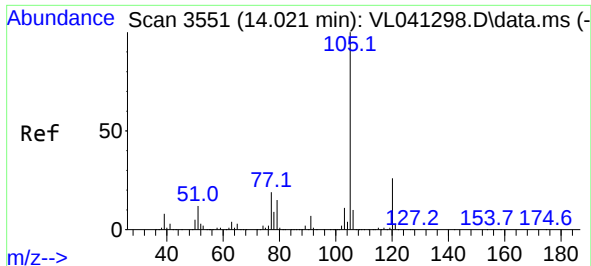
Tgt Ion: 91 Resp: 16922

Ion Ratio Lower Upper

91 100

106 56.8 22.8 68.4

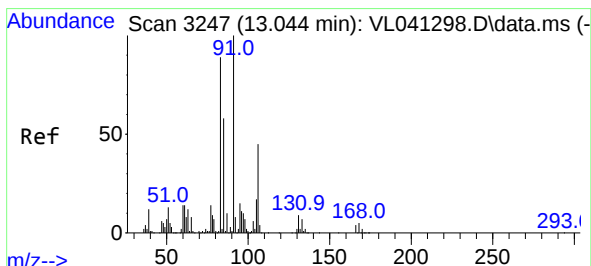
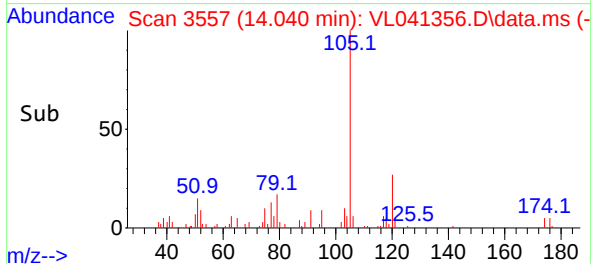
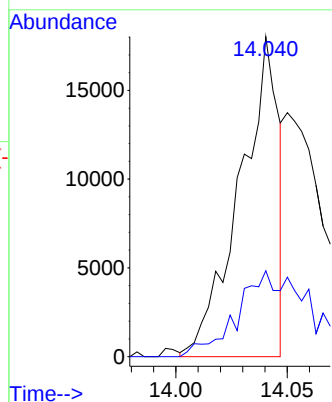
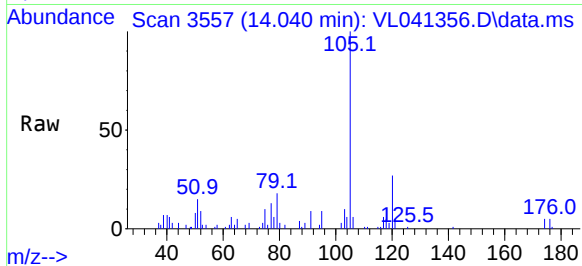




#62
Isopropylbenzene
Concen: 0.053 ppbv
RT: 14.040 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

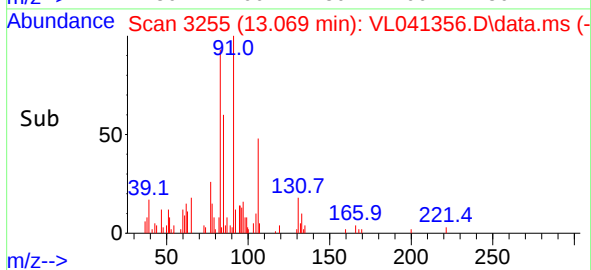
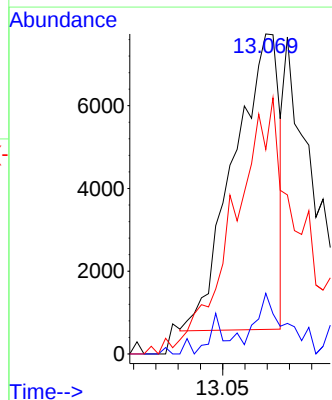
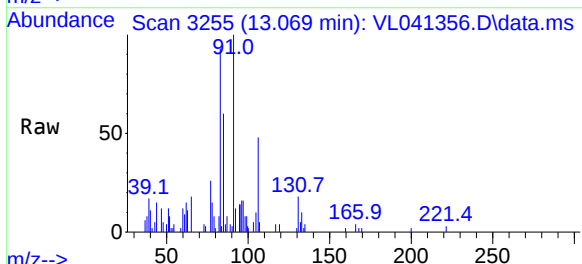
Instrument :
MSVOA_L
ClientSampleId :

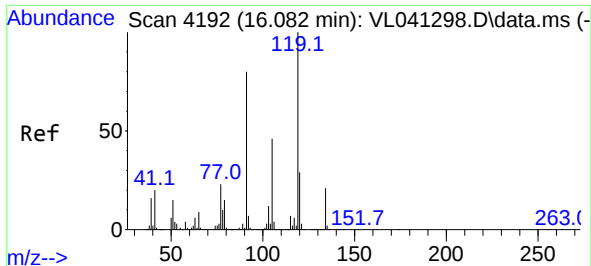
Tgt Ion:105 Resp: 21782
Ion Ratio Lower Upper
105 100
120 52.8 20.4 30.6#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.052 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.026 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 83 Resp: 10142
Ion Ratio Lower Upper
83 100
131 22.8 4.7 14.1#
85 143.6 32.6 97.7#

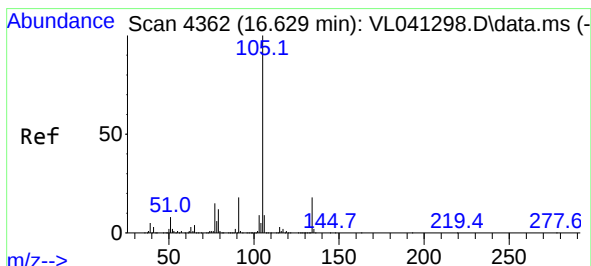
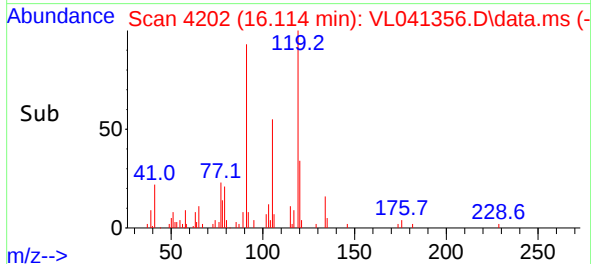
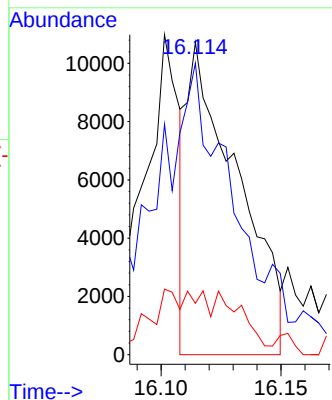
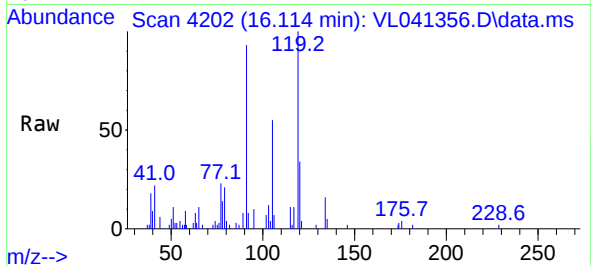




#65
tert-Butylbenzene
Concen: 0.043 ppbv
RT: 16.114 min Scan# 4192
Delta R.T. 0.032 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

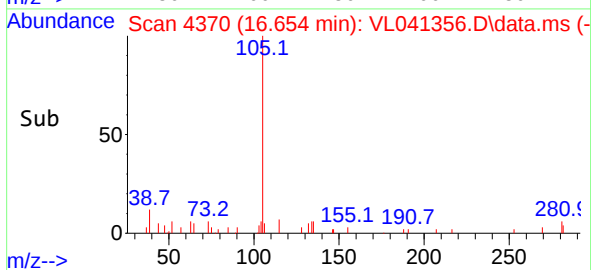
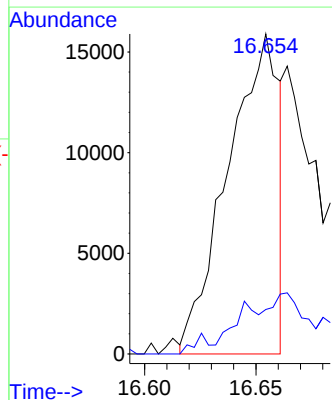
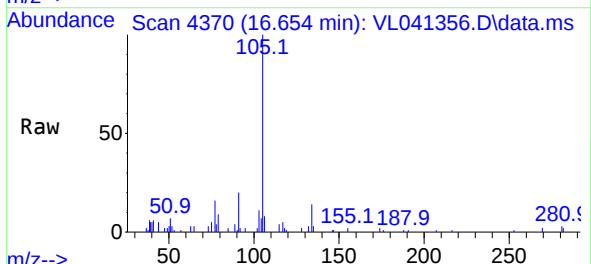
Instrument :
MSVOA_L
ClientSampleId :

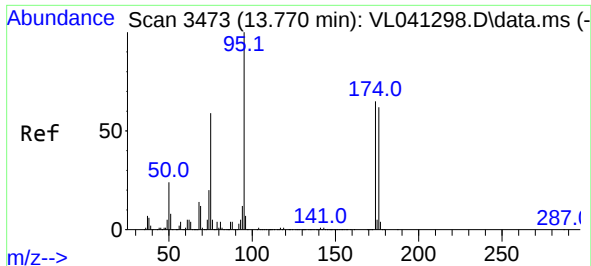
Tgt Ion:119 Resp: 15803
Ion Ratio Lower Upper
119 100
91 159.7 66.5 99.7#
134 0.0 15.7 23.5#



#67
sec-Butylbenzene
Concen: 0.049 ppbv
RT: 16.654 min Scan# 4370
Delta R.T. 0.026 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

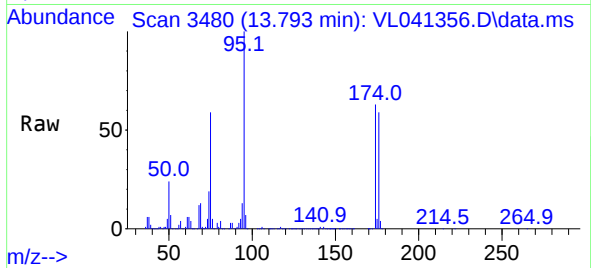
Tgt Ion:105 Resp: 25349
Ion Ratio Lower Upper
105 100
134 0.0 14.3 21.5#



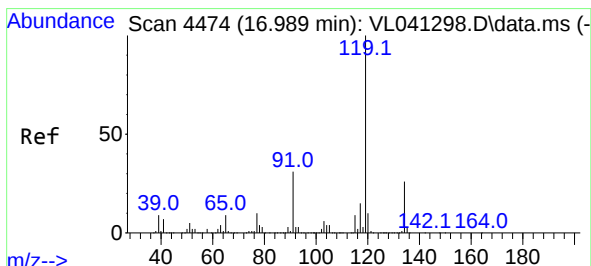
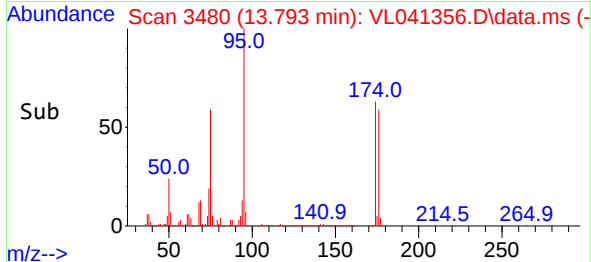
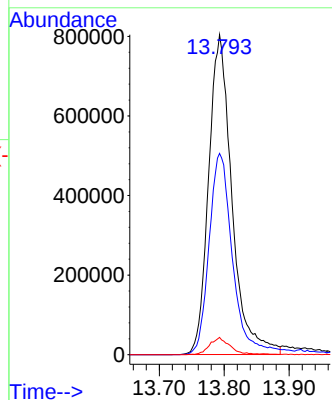


#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 13.793 min Scan# 3473
Delta R.T. 0.023 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :

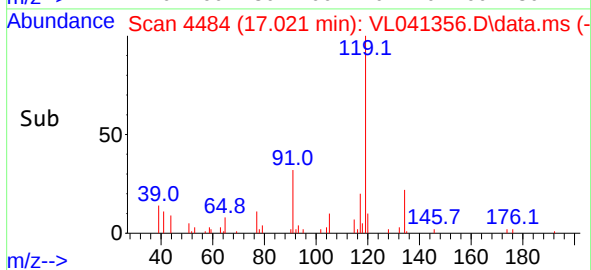
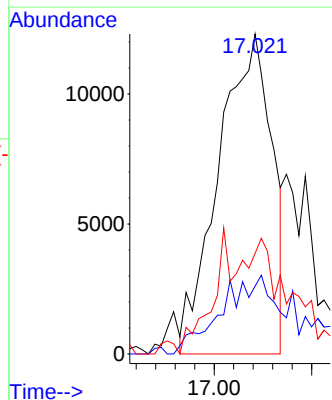
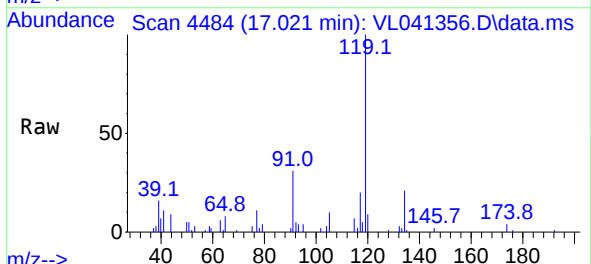


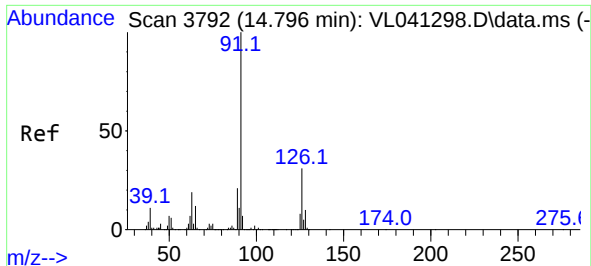
Tgt Ion: 95 Resp: 2010876
Ion Ratio Lower Upper
95 100
174 63.8 52.2 78.2
175 4.9 4.1 6.1



#69
p-Isopropyltoluene
Concen: 0.055 ppbv
RT: 17.021 min Scan# 4484
Delta R.T. 0.032 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion: 119 Resp: 23293
Ion Ratio Lower Upper
119 100
134 35.9 20.1 30.1#
91 52.9 24.1 36.1#

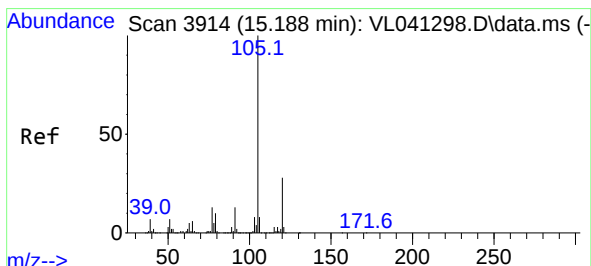
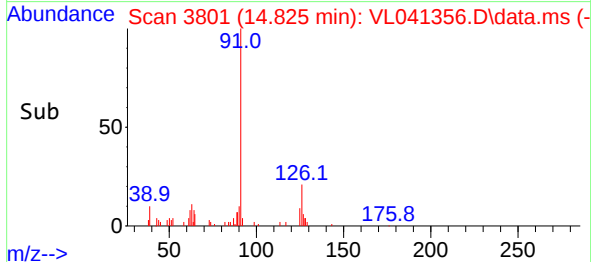
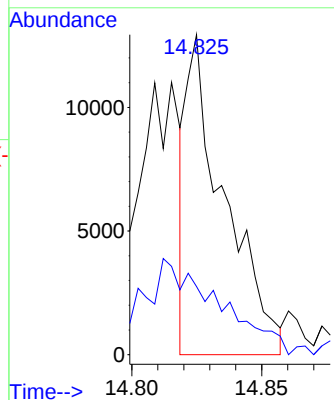
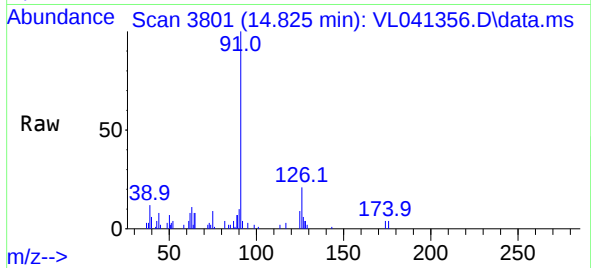




#71
2-Chlorotoluene
Concen: 0.042 ppbv
RT: 14.825 min Scan# 31
Delta R.T. 0.029 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

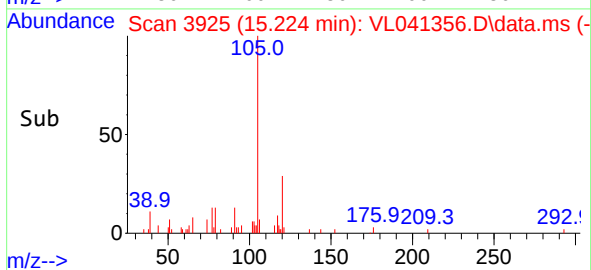
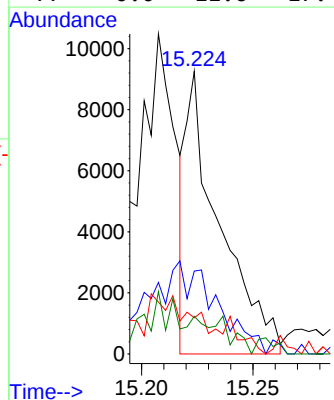
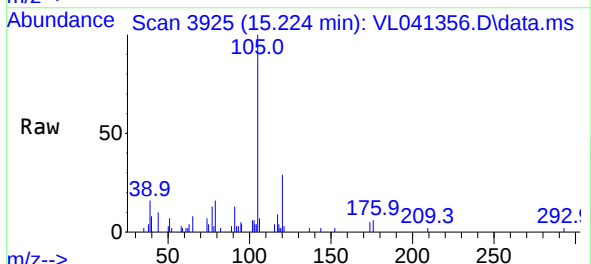
Instrument :
MSVOA_L
ClientSampleId :

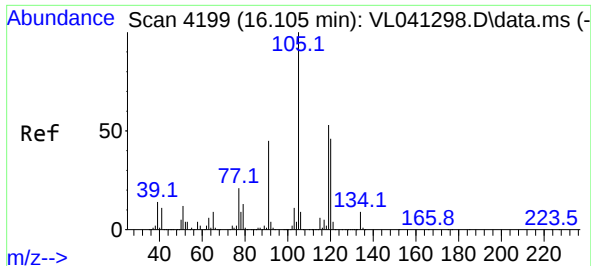
Tgt Ion: 91 Resp: 13217
Ion Ratio Lower Upper
91 100
126 0.0 12.4 49.8#



#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.035 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

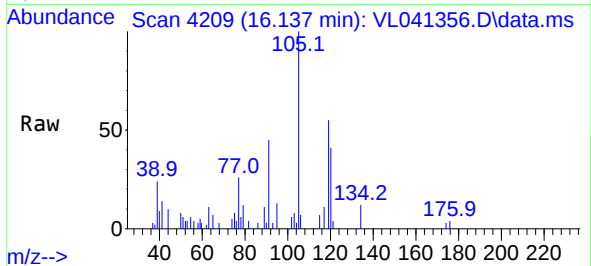
Tgt Ion:105 Resp: 9760
Ion Ratio Lower Upper
105 100
120 81.4 23.7 35.5#
91 0.0 10.6 16.0#
77 0.0 11.6 17.4#



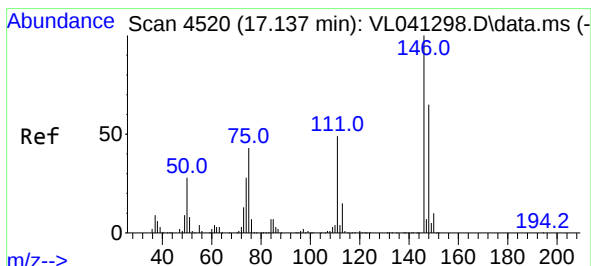
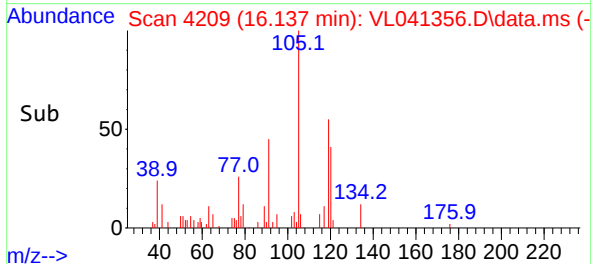
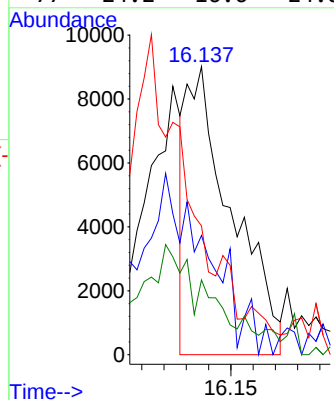


#74
1,2,4-Trimethylbenzene
Concen: 0.041 ppbv
RT: 16.137 min Scan# 4199
Delta R.T. 0.032 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:105	Resp:	12844
Ion	Ratio	Lower Upper
105	100	
120	39.4	37.0 55.6
91	42.6	36.2 54.4
77	24.2	16.6 24.8



#77
1,2-Dichlorobenzene
Concen: 0.046 ppbv
RT: 17.162 min Scan# 4528
Delta R.T. 0.026 min
Lab File: VL041356.D
Acq: 26 Jun 2024 11:33

Tgt Ion:146	Resp:	8396
Ion	Ratio	Lower Upper
146	100	
111	0.0	24.3 72.9#
148	0.0	32.0 96.0#

