

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
 Data File : VL041270.D
 Acq On : 21 May 2024 18:15
 Operator : SY/MD
 Sample : P2533-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Quant Time: May 22 05:46:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 22 05:39:49 2024
 Response via : Initial Calibration

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

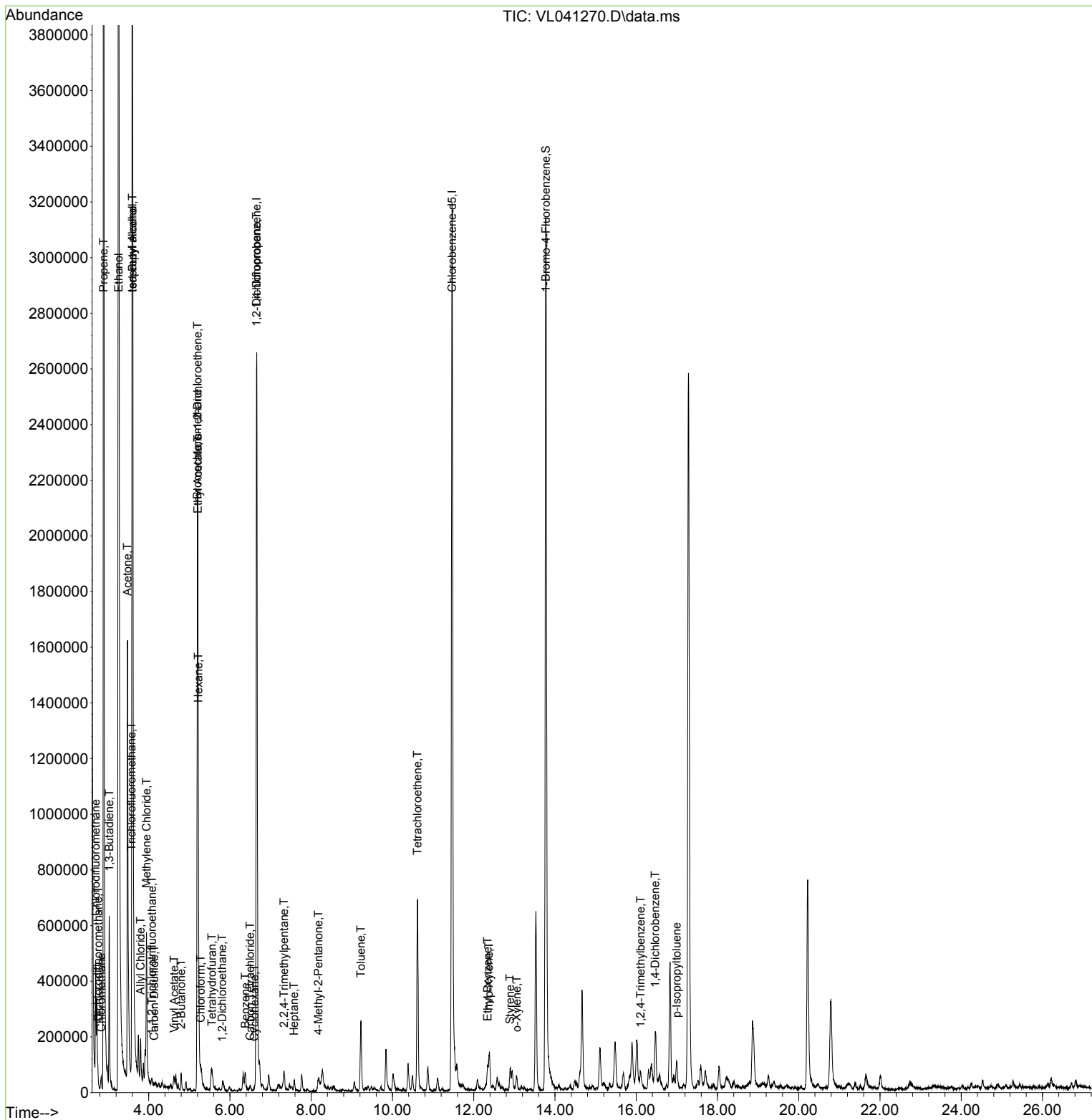
Internal Standards						
1) Bromochloromethane	5.198	49	827953	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2033167	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2096530	10.000	ppbv	0.00

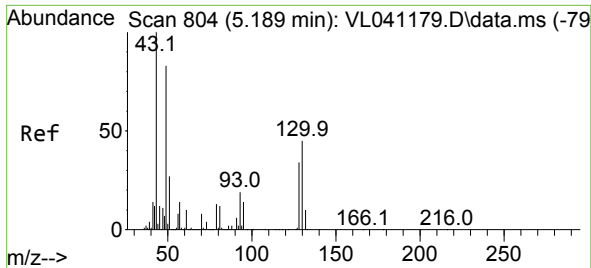
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1598161	10.097	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	33015	0.295	ppbv	96
3) Chlorodifluoromethane	2.694	51	414961	3.300	ppbv	99
4) Chloromethane	2.832	50	35056	0.710	ppbv	92
9) Propene	2.890	41	2261426	45.953	ppbv	96
10) Heptane	7.581	43	8014	0.067	ppbv #	1
11) Trichlorofluoromethane	3.578	101	28335	0.249	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.083	101	4838	0.057	ppbv #	56
13) Ethanol	3.259	45	6683882	605.886	ppbv	100
15) Acetone	3.478	43	1567397	16.041	ppbv	99
16) 1,3-Butadiene	3.028	39	74747	1.515	ppbv #	19
17) tert-Butyl alcohol	3.600	59	213619	2.027	ppbv	97
19) Isopropyl Alcohol	3.597	45	5675064	88.509	ppbv #	43
20) Methylene Chloride	3.948	84	152088	4.476	ppbv	98
21) Allyl Chloride	3.800	41	12939	0.203	ppbv #	1
23) Vinyl Acetate	4.629	43	14568	0.135	ppbv #	92
25) Ethyl Acetate	5.211	43	693039	3.553	ppbv	96
26) Hexane	5.221	57	187158	2.150	ppbv #	44
27) Carbon Disulfide	4.137	76	3238	0.031	ppbv #	1
29) Chloroform	5.282	83	21794	0.182	ppbv	97
30) Cyclohexane	6.603	84	2487	0.036	ppbv #	1
31) cis-1,2-Dichloroethene	5.205	61	38676	0.475	ppbv #	27
34) 2-Butanone	4.800	43	66759	0.645	ppbv	97
35) Carbon Tetrachloride	6.497	117	8941	0.078	ppbv	87
36) Benzene	6.378	78	46789	0.274	ppbv	95
37) 1,2-Dichloroethane	5.806	62	3074	0.035	ppbv #	82
39) 1,2-Dichloropropane	6.655	63	519422	7.899	ppbv #	25
41) Tetrahydrofuran	5.558	42	5597	0.075	ppbv #	38
44) 2,2,4-Trimethylpentane	7.330	57	47065	0.160	ppbv #	68
50) 4-Methyl-2-Pentanone	8.176	43	10114	0.054	ppbv #	40
52) Tetrachloroethene	10.616	164	162058	2.702	ppbv	92
53) Toluene	9.221	91	160540	0.811	ppbv	95
58) Ethyl Benzene	12.343	91	45185	0.157	ppbv	89
59) m/p-Xylene	12.375	91	8513	0.035	ppbv #	31
60) o-Xylene	13.060	91	19002	0.084	ppbv #	31
61) Styrene	12.896	104	23610	0.197	ppbv #	27
69) p-Isopropyltoluene	16.995	119	75824	0.215	ppbv	96
74) 1,2,4-Trimethylbenzene	16.111	105	32575	0.129	ppbv #	59
76) 1,4-Dichlorobenzene	16.468	146	15441	0.110	ppbv #	23

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

Quant Time: May 22 05:46:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed May 22 05:39:49 2024
Response via : Initial Calibration

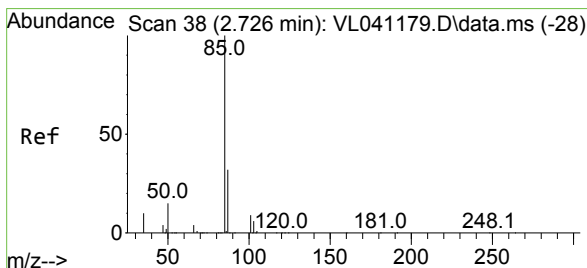
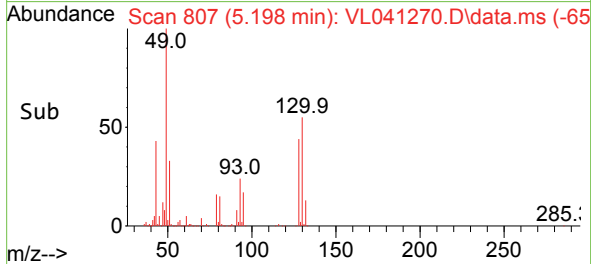
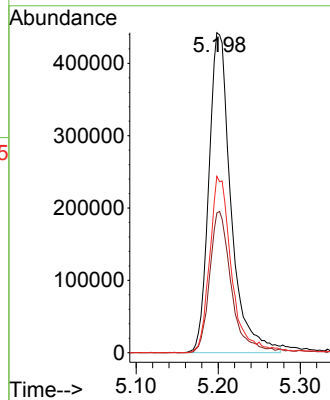
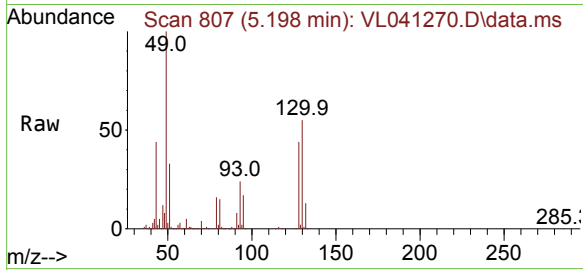




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL041270.D
 Acq: 21 May 2024 18:15

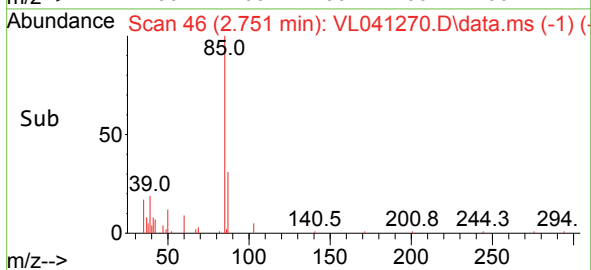
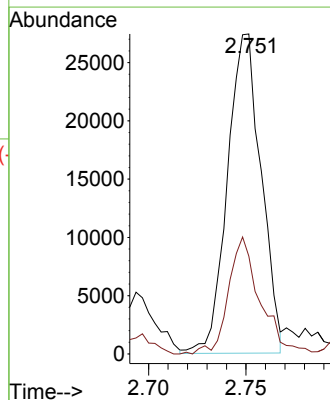
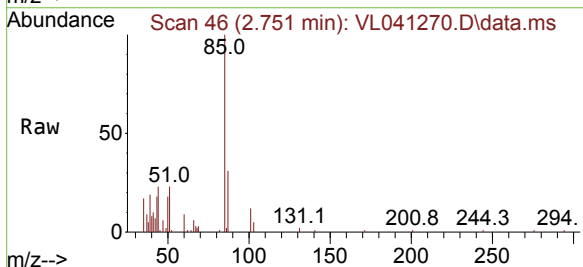
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

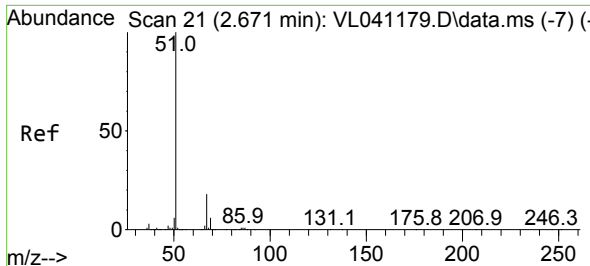
Tgt Ion: 49 Resp: 827953
 Ion Ratio Lower Upper
 49 100
 128 44.1 21.5 64.5
 130 55.8 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.295 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.003 min
 Lab File: VL041270.D
 Acq: 21 May 2024 18:15

Tgt Ion: 85 Resp: 33015
 Ion Ratio Lower Upper
 85 100
 87 29.9 25.7 38.5

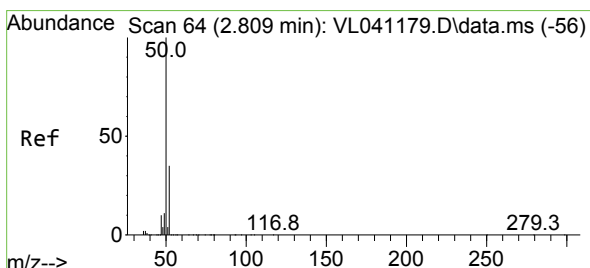
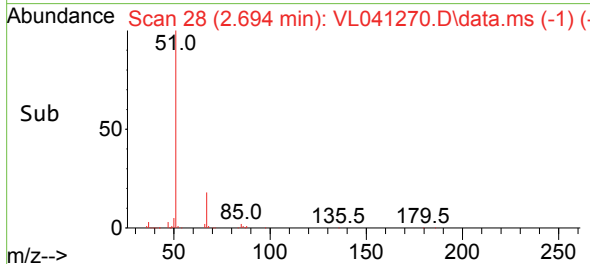
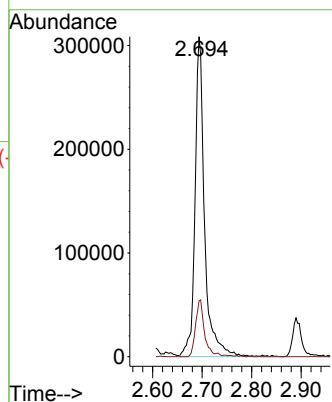
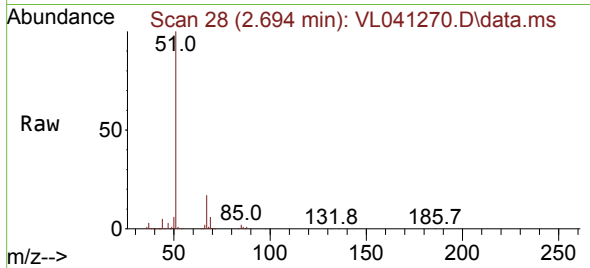




#3
Chlorodifluoromethane
Concen: 3.300 ppbv
RT: 2.694 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

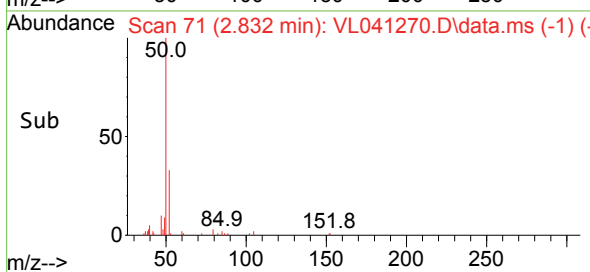
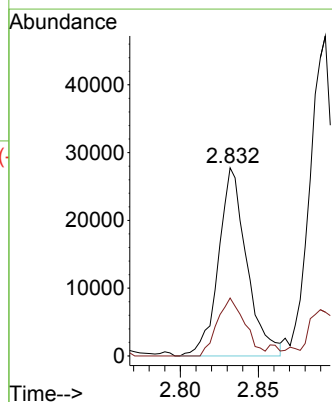
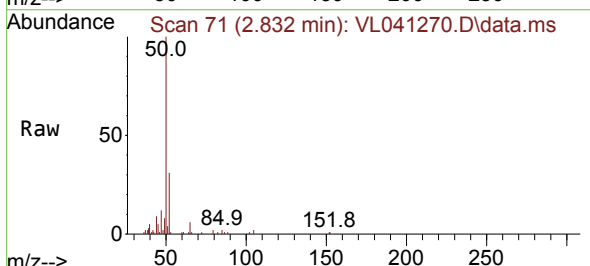
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

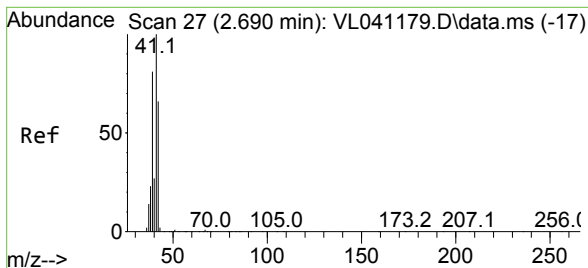
Tgt Ion: 51 Resp: 414961
Ion Ratio Lower Upper
51 100
67 17.2 14.0 21.0



#4
Chloromethane
Concen: 0.710 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.000 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 50 Resp: 35056
Ion Ratio Lower Upper
50 100
52 30.8 28.3 42.5





#9

Propene

Concen: 45.953 ppbv

RT: 2.890 min Scan# 89

Delta R.T. 0.177 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

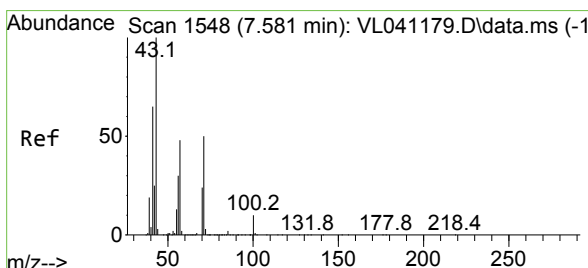
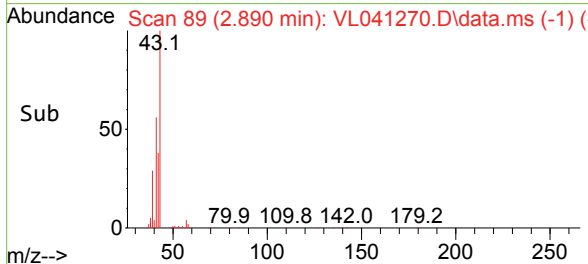
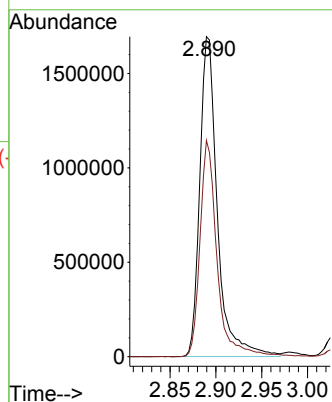
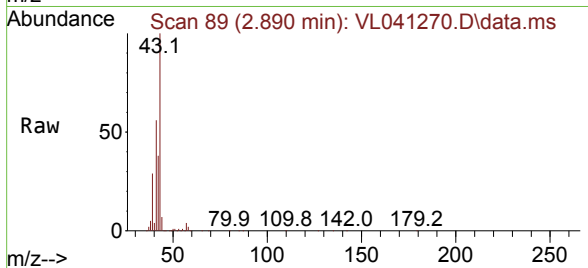
IA1DUP

Tgt Ion: 41 Resp: 2261426

Ion Ratio Lower Upper

41 100

42 65.6 55.3 82.9



#10

Heptane

Concen: 0.067 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. -0.003 min

Lab File: VL041270.D

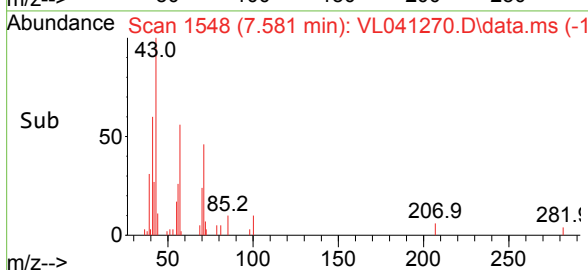
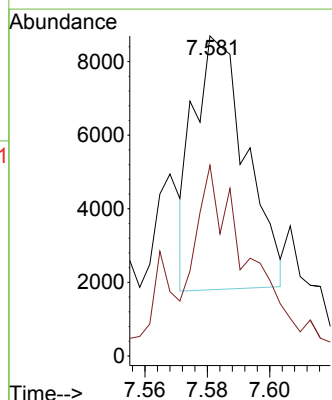
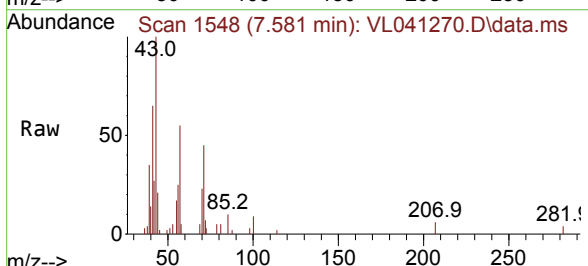
Acq: 21 May 2024 18:15

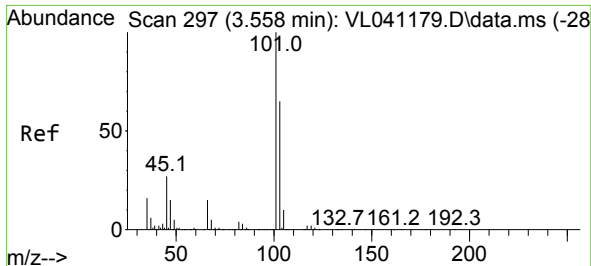
Tgt Ion: 43 Resp: 8014

Ion Ratio Lower Upper

43 100

57 115.4 38.7 58.1#





#11

Trichlorofluoromethane

Concen: 0.249 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.003 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

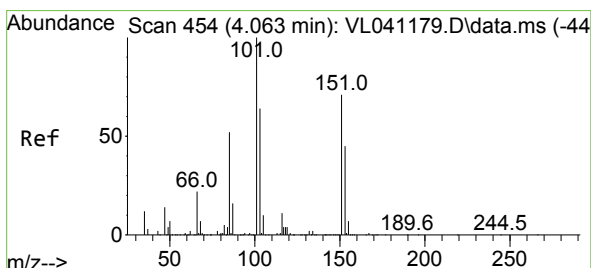
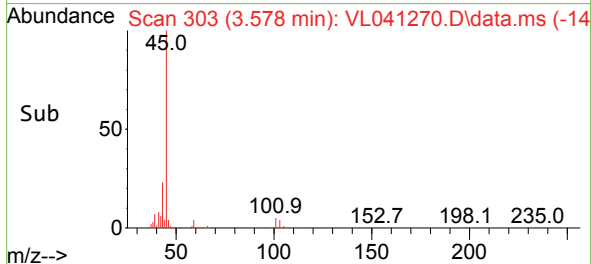
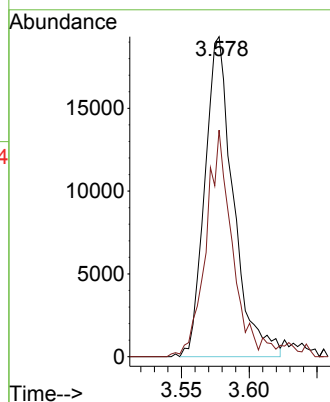
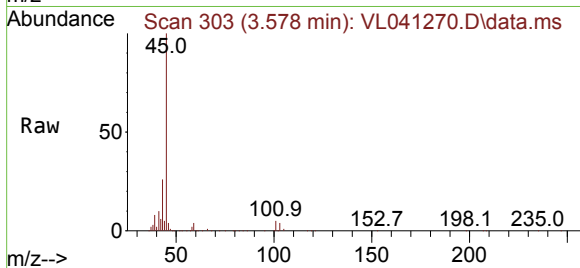
IA1DUP

Tgt Ion:101 Resp: 28335

Ion Ratio Lower Upper

101 100

103 70.0 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.057 ppbv

RT: 4.083 min Scan# 460

Delta R.T. 0.006 min

Lab File: VL041270.D

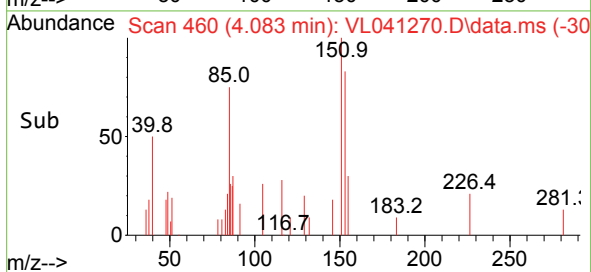
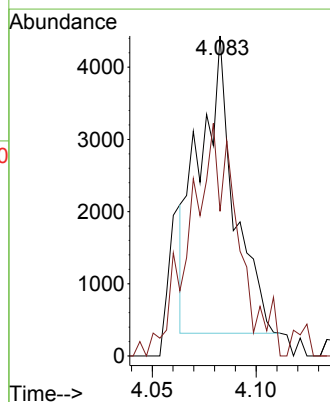
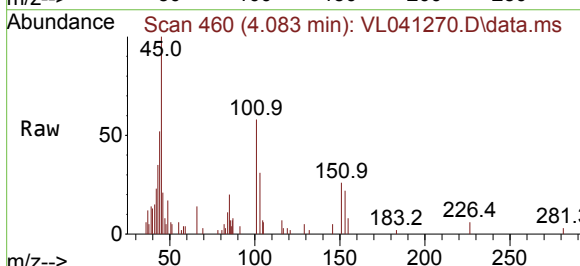
Acq: 21 May 2024 18:15

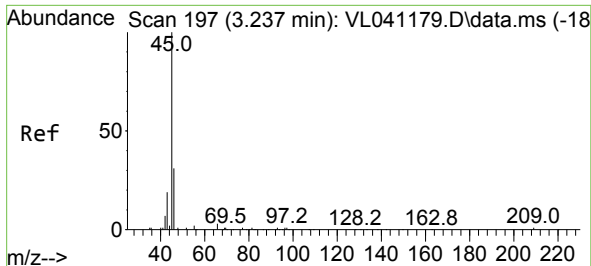
Tgt Ion:101 Resp: 4838

Ion Ratio Lower Upper

101 100

151 107.0 56.8 85.2#

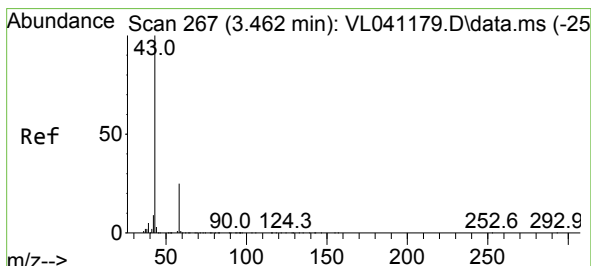
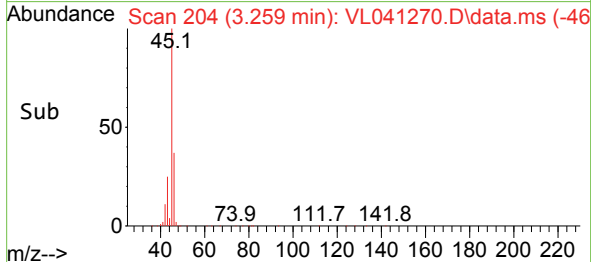
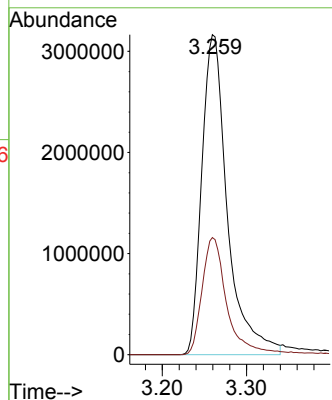
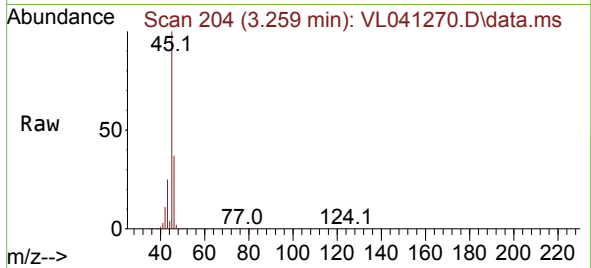




#13
Ethanol
Concen: 605.886 ppbv
RT: 3.259 min Scan# 204
Delta R.T. 0.006 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

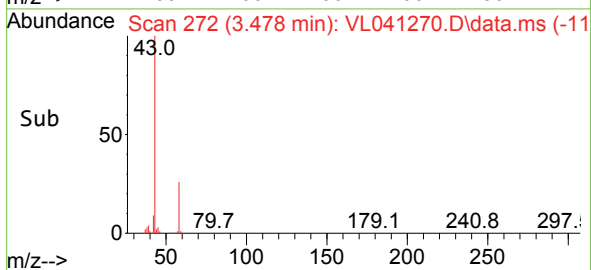
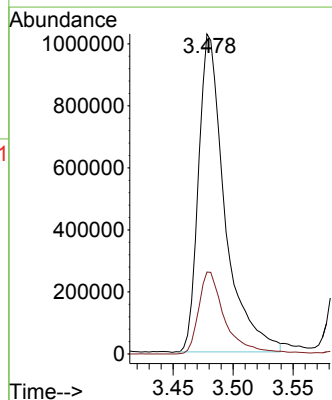
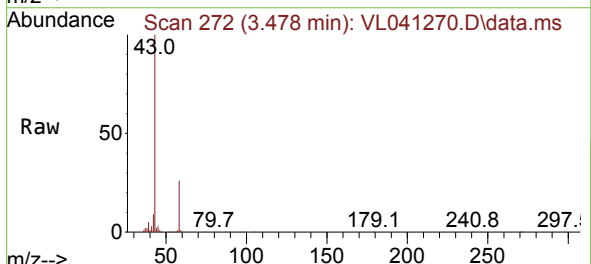
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

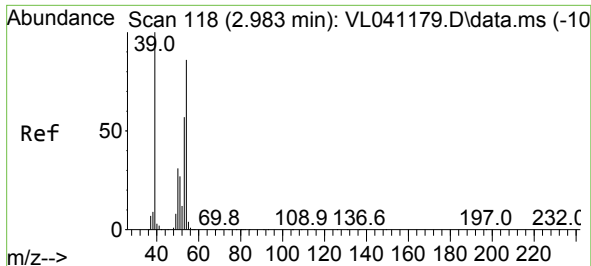
Tgt Ion: 45 Resp: 6683882
Ion Ratio Lower Upper
45 100
46 36.9 14.8 59.0



#15
Acetone
Concen: 16.041 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.003 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 43 Resp: 1567397
Ion Ratio Lower Upper
43 100
58 26.1 21.4 32.0

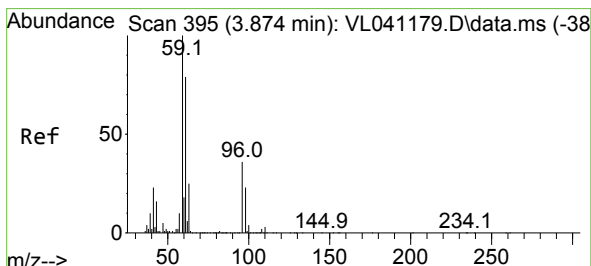
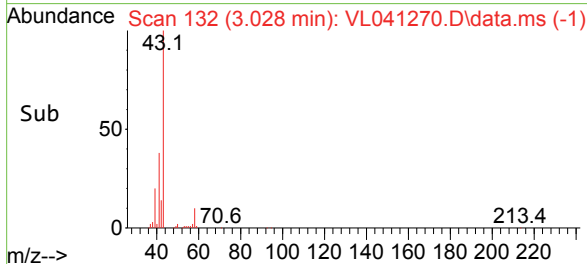
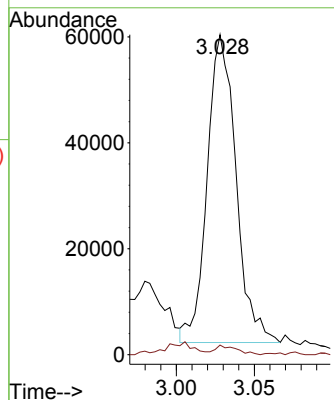
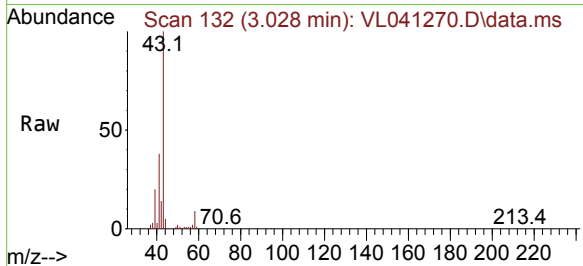




#16
1,3-Butadiene
Concen: 1.515 ppbv
RT: 3.028 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

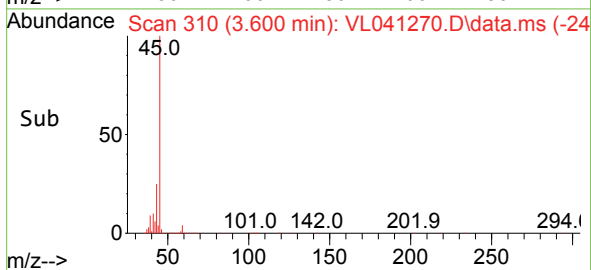
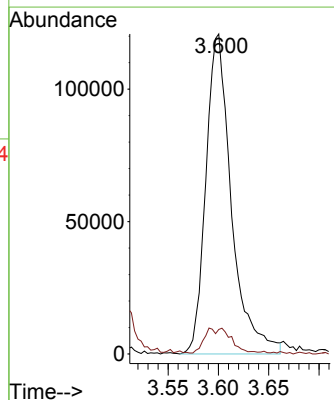
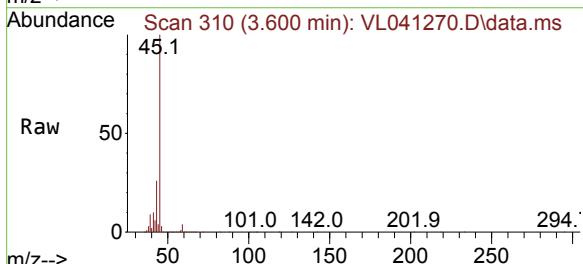
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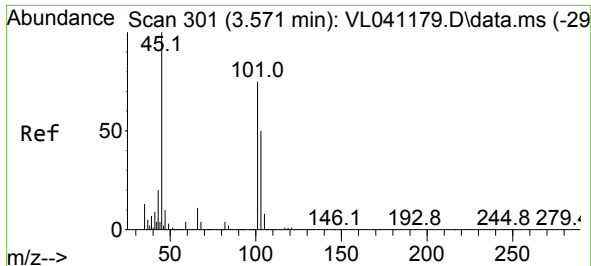
Tgt Ion: 39 Resp: 74747
Ion Ratio Lower Upper
39 100
54 7.0 62.2 93.4#



#17
tert-Butyl alcohol
Concen: 2.027 ppbv
RT: 3.600 min Scan# 310
Delta R.T. -0.286 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 59 Resp: 213619
Ion Ratio Lower Upper
59 100
57 9.2 8.4 12.6

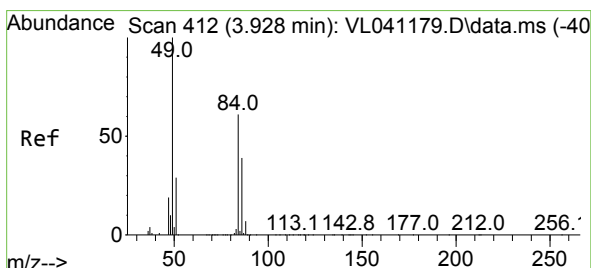
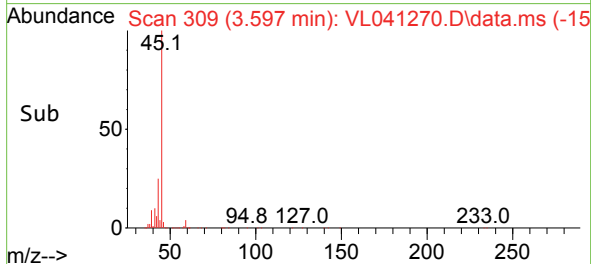
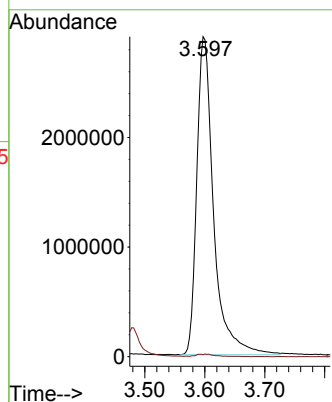
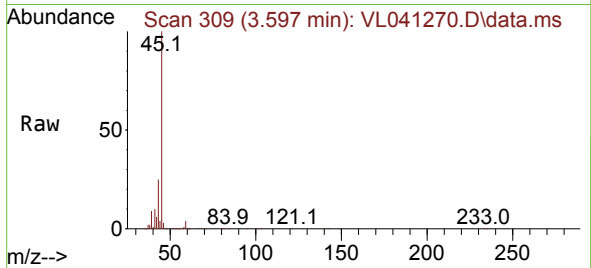




#19
Isopropyl Alcohol
Concen: 88.509 ppbv
RT: 3.597 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

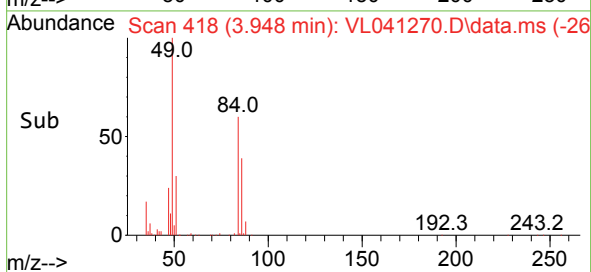
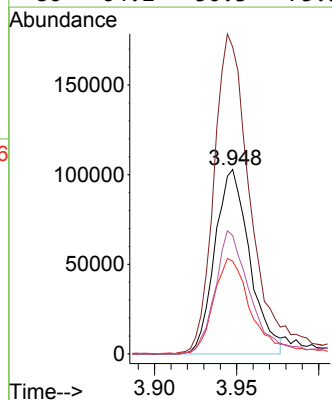
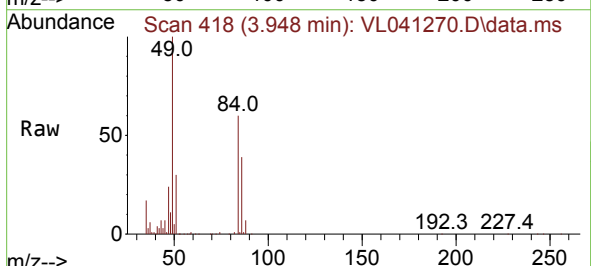
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

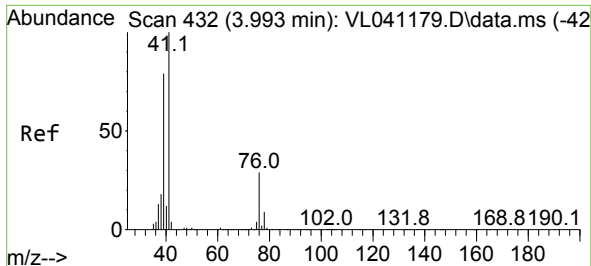
Tgt Ion: 45 Resp: 5675064
Ion Ratio Lower Upper
45 100
58 1.0 26.8 40.2#



#20
Methylene Chloride
Concen: 4.476 ppbv
RT: 3.948 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 84 Resp: 152088
Ion Ratio Lower Upper
84 100
49 165.5 130.4 195.6
51 49.7 38.0 57.0
86 64.2 50.3 75.5





#21

Allyl Chloride

Concen: 0.203 ppbv

RT: 3.800 min Scan# 31

Delta R.T. -0.209 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

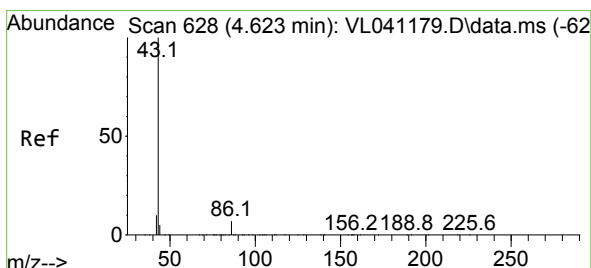
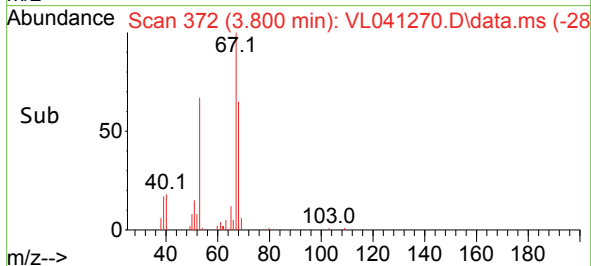
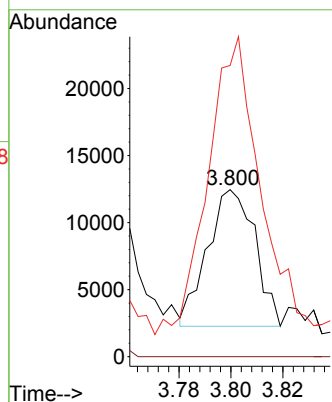
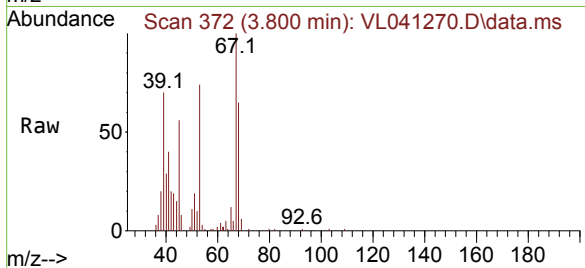
Tgt Ion: 41 Resp: 12939

Ion Ratio Lower Upper

41 100

76 0.0 23.7 35.5#

39 274.6 64.7 97.1#



#23

Vinyl Acetate

Concen: 0.135 ppbv

RT: 4.629 min Scan# 630

Delta R.T. -0.006 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Tgt Ion: 43 Resp: 14568

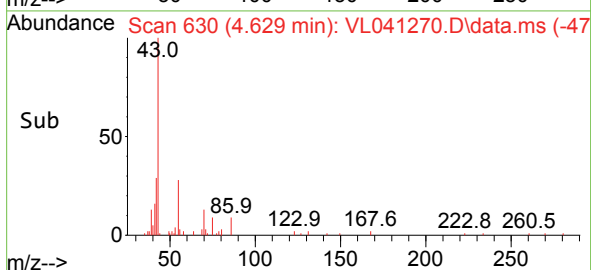
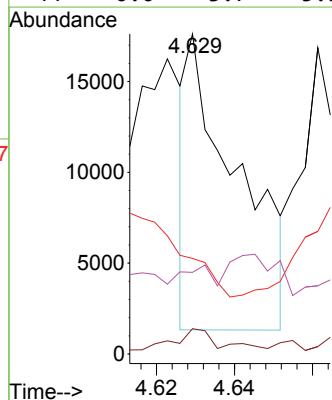
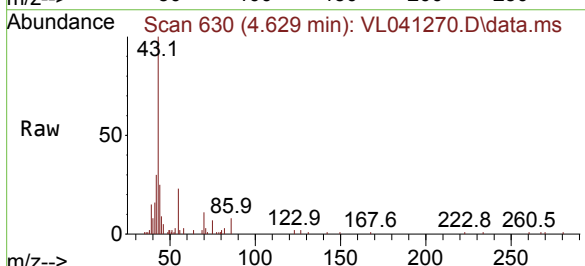
Ion Ratio Lower Upper

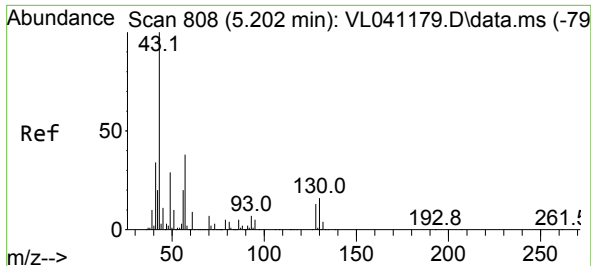
43 100

86 8.1 4.9 7.3#

42 12.7 8.0 12.0#

44 0.0 3.7 5.5#



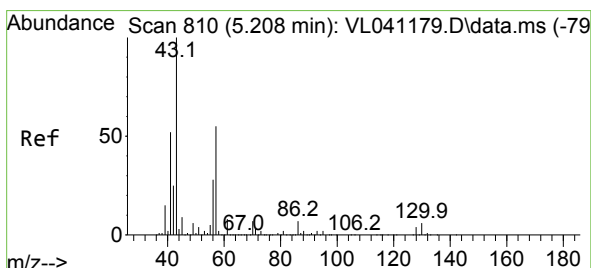
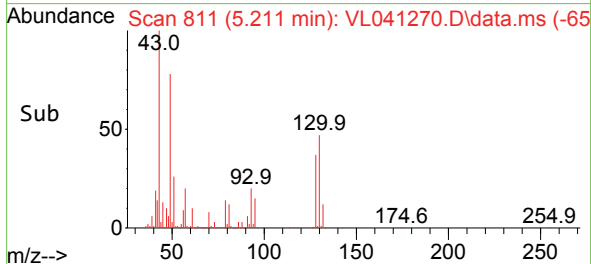
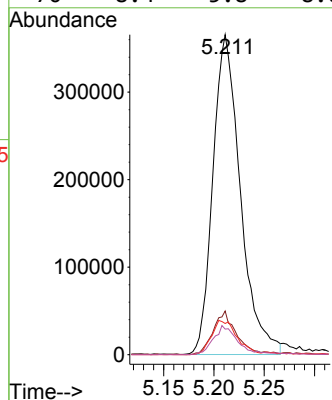
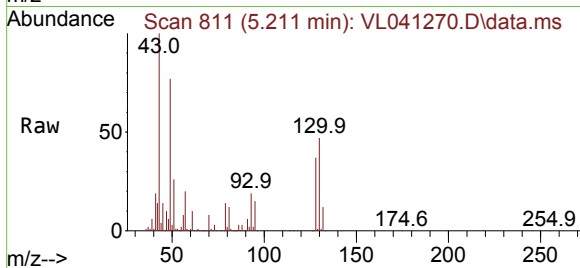


#25
Ethyl Acetate
Concen: 3.553 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 693039

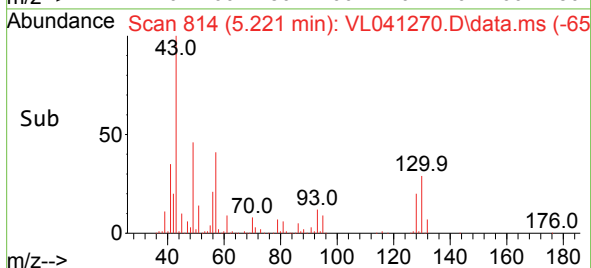
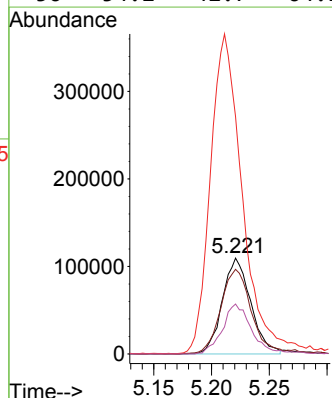
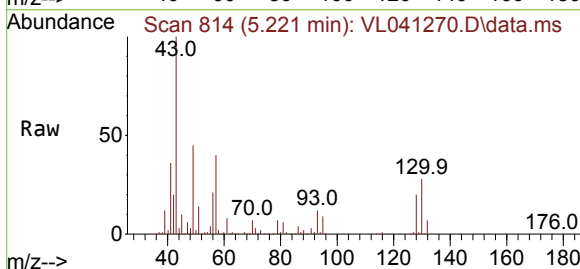
Ion	Ratio	Lower	Upper
43	100		
45	12.2	8.2	12.2
61	10.8	7.7	11.5
70	8.4	5.8	8.6

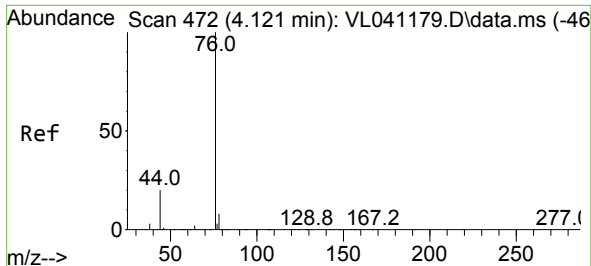


#26
Hexane
Concen: 2.150 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 57 Resp: 187158

Ion	Ratio	Lower	Upper
57	100		
41	98.8	75.8	113.8
43	382.5	187.0	280.4#
56	54.2	42.7	64.1

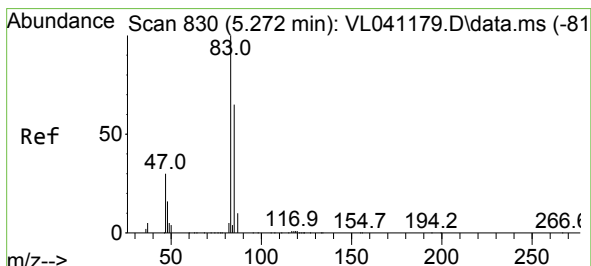
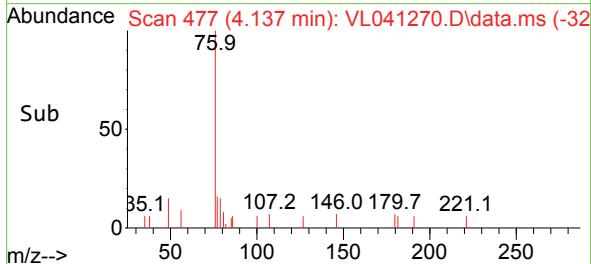
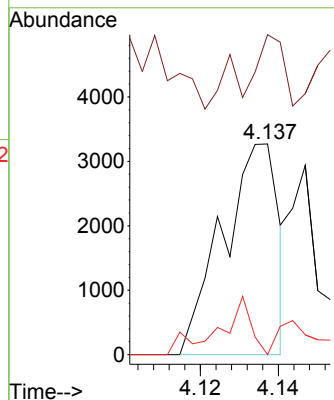
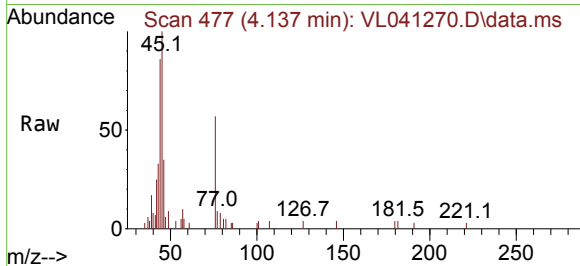




#27
Carbon Disulfide
Concen: 0.031 ppbv
RT: 4.137 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

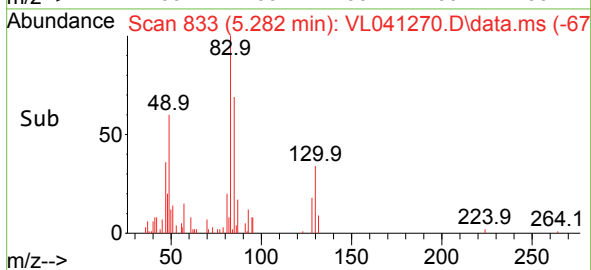
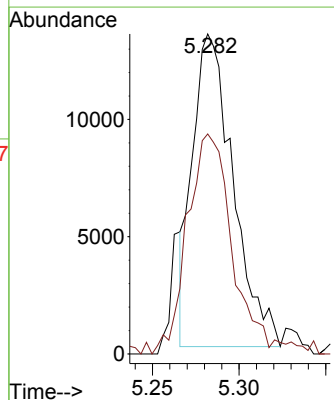
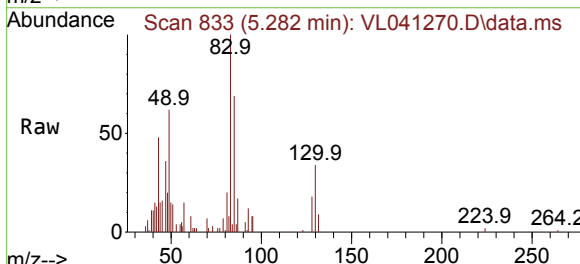
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

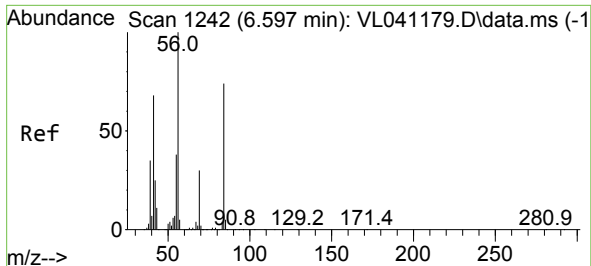
Tgt Ion: 76 Resp: 3238
Ion Ratio Lower Upper
76 100
44 97.4 16.3 24.5#
78 15.8 7.3 10.9#



#29
Chloroform
Concen: 0.182 ppbv
RT: 5.282 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 83 Resp: 21794
Ion Ratio Lower Upper
83 100
85 66.6 51.7 77.5

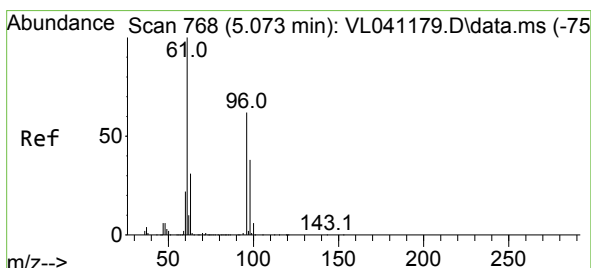
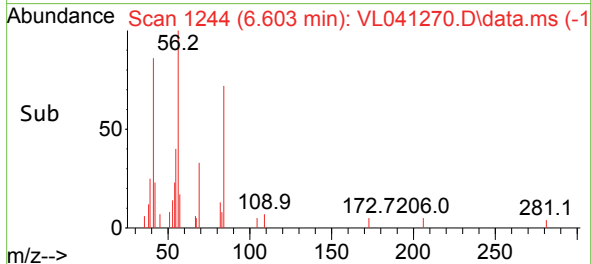
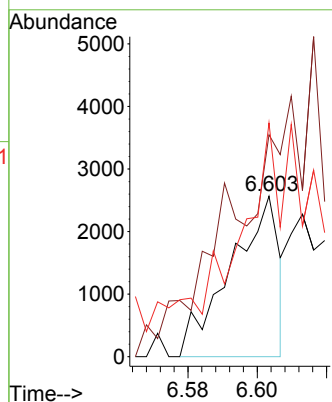
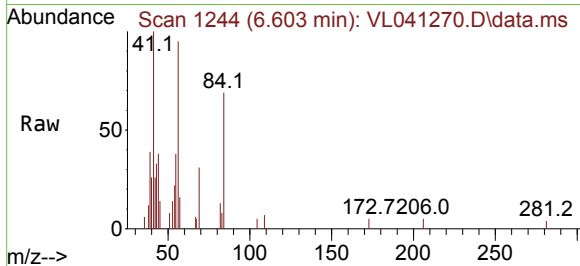




#30
Cyclohexane
Concen: 0.036 ppbv
RT: 6.603 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

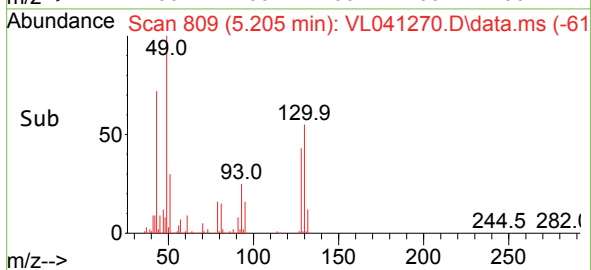
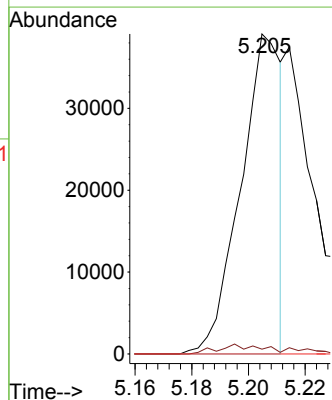
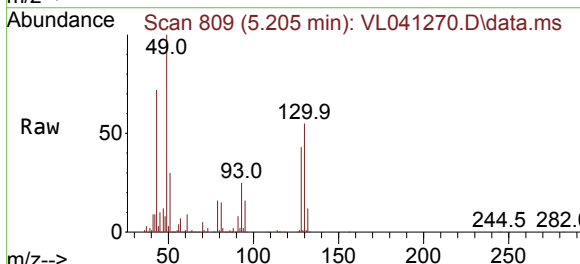
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

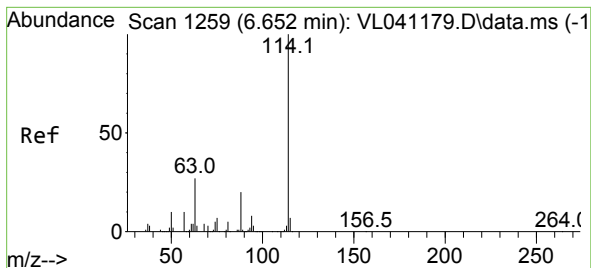
Tgt Ion: 84 Resp: 2487
Ion Ratio Lower Upper
84 100
56 0.0 116.8 175.2#
41 334.1 73.8 110.8#



#31
cis-1,2-Dichloroethene
Concen: 0.475 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.119 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 61 Resp: 38676
Ion Ratio Lower Upper
61 100
96 1.5 49.8 74.6#
98 0.0 30.0 45.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

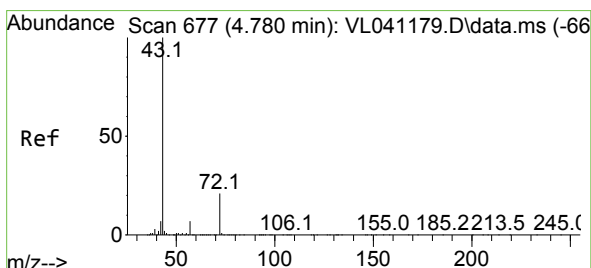
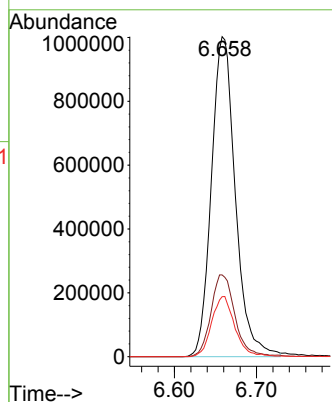
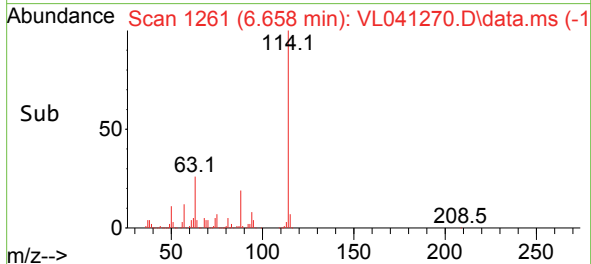
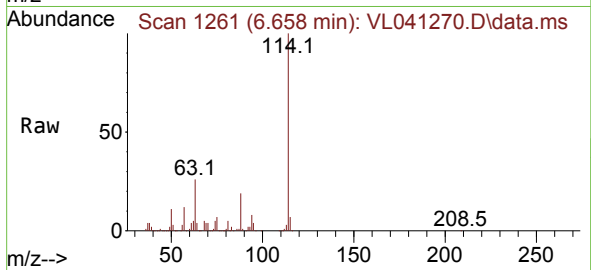
Tgt Ion:114 Resp: 2033167

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.6

88 18.4 15.2 22.8



#34

2-Butanone

Concen: 0.645 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.006 min

Lab File: VL041270.D

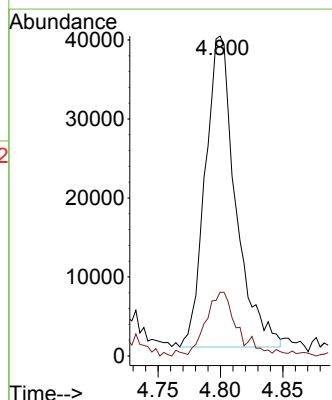
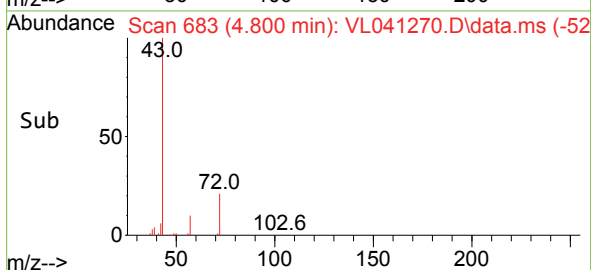
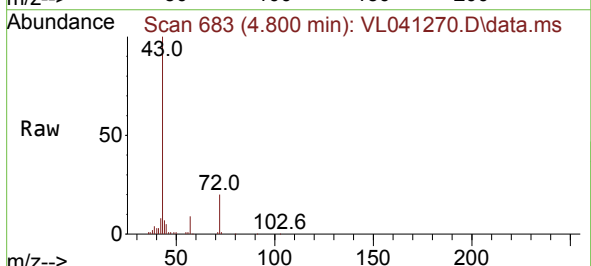
Acq: 21 May 2024 18:15

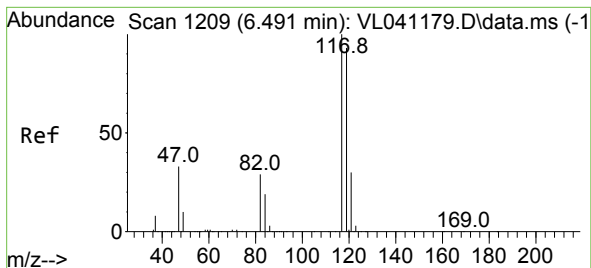
Tgt Ion: 43 Resp: 66759

Ion Ratio Lower Upper

43 100

72 23.0 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.078 ppbv

RT: 6.497 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

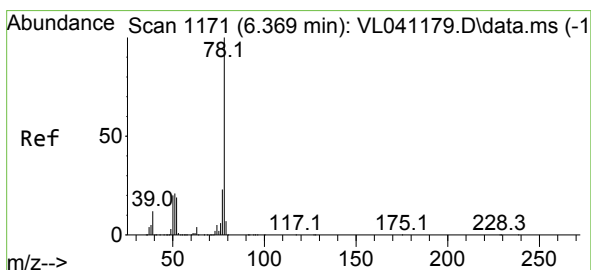
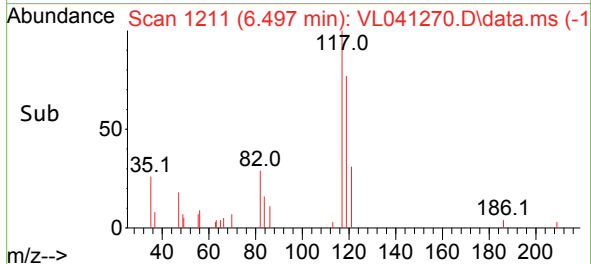
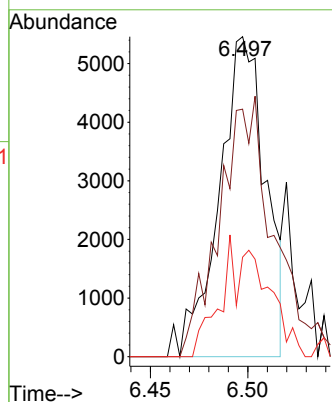
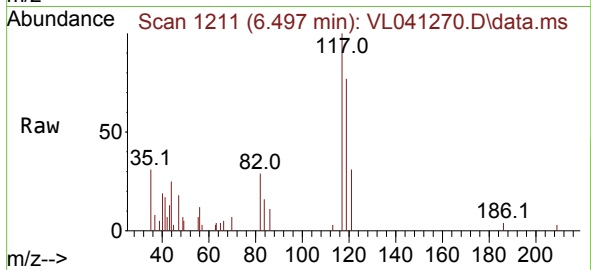
Tgt Ion:117 Resp: 8941

Ion Ratio Lower Upper

117 100

119 77.4 74.3 111.5

121 31.1 23.8 35.8



#36

Benzene

Concen: 0.274 ppbv

RT: 6.378 min Scan# 1174

Delta R.T. 0.003 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

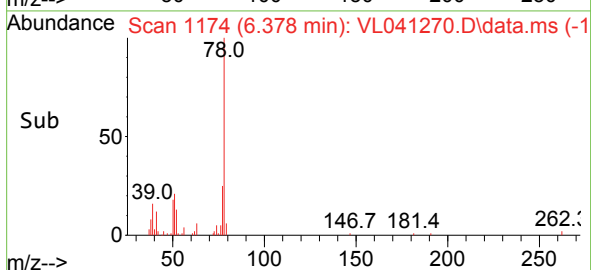
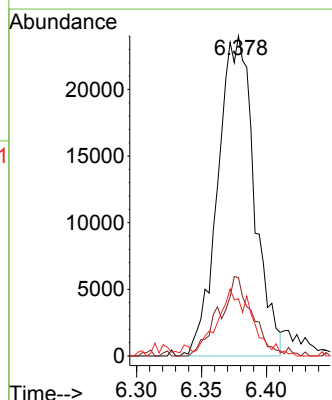
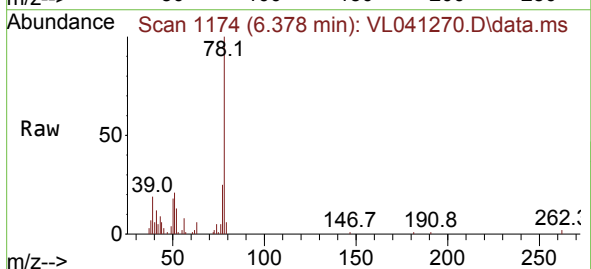
Tgt Ion: 78 Resp: 46789

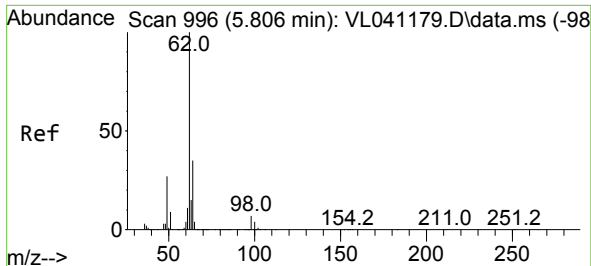
Ion Ratio Lower Upper

78 100

77 24.6 18.3 27.5

50 17.0 15.9 23.9





#37

1,2-Dichloroethane

Concen: 0.035 ppbv

RT: 5.806 min Scan# 996

Delta R.T. -0.006 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

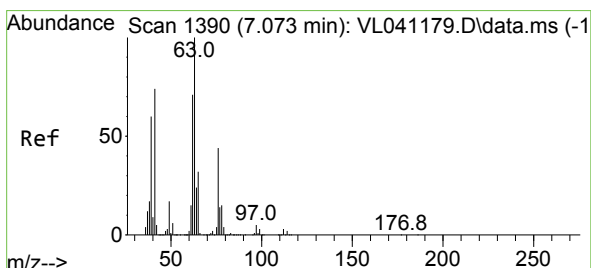
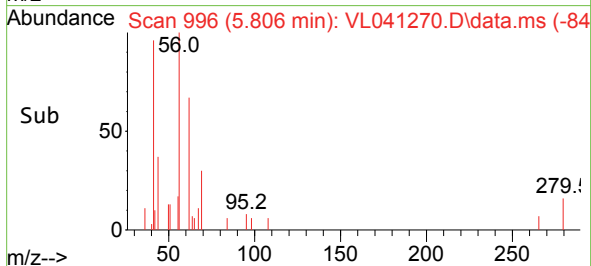
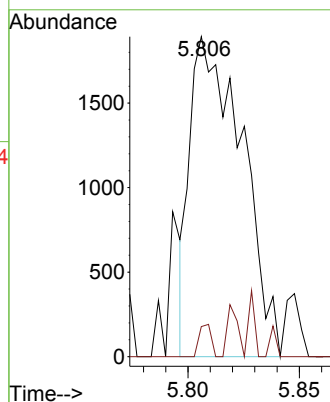
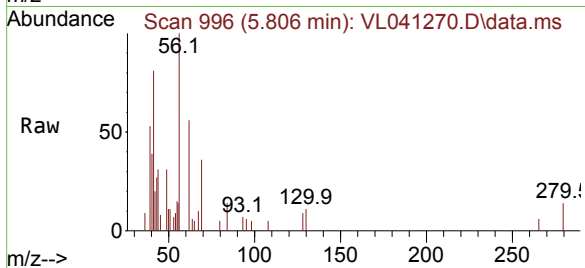
IA1DUP

Tgt Ion: 62 Resp: 3074

Ion Ratio Lower Upper

62 100

98 0.0 5.0 7.4#



#39

1,2-Dichloropropane

Concen: 7.899 ppbv

RT: 6.655 min Scan# 1260

Delta R.T. -0.421 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

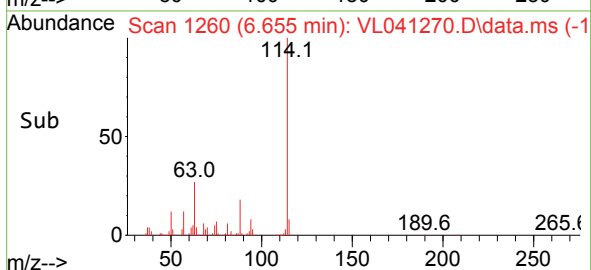
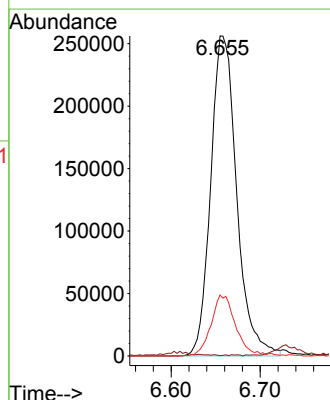
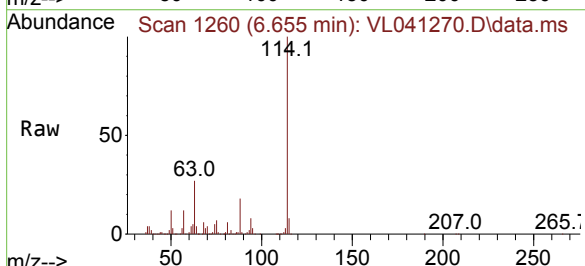
Tgt Ion: 63 Resp: 519422

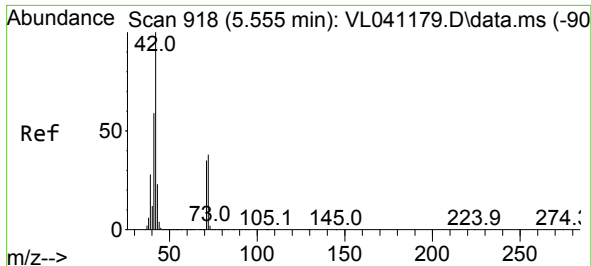
Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 19.1 56.8 85.2#





#41

Tetrahydrofuran

Concen: 0.075 ppbv

RT: 5.558 min Scan# 918

Delta R.T. 0.000 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

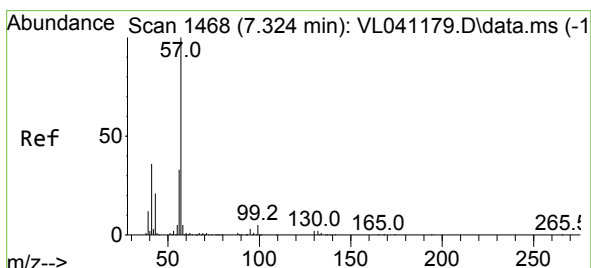
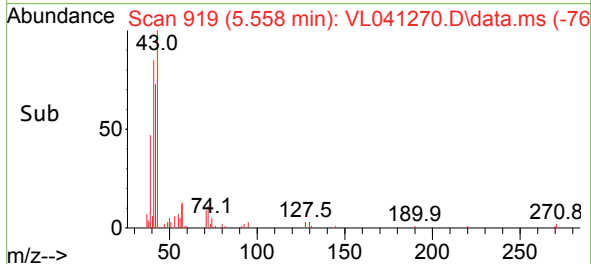
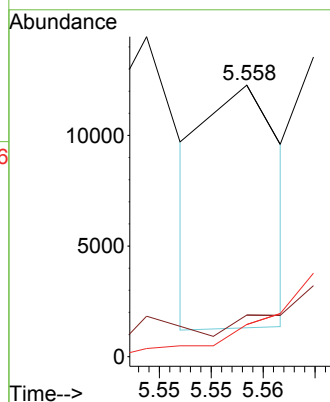
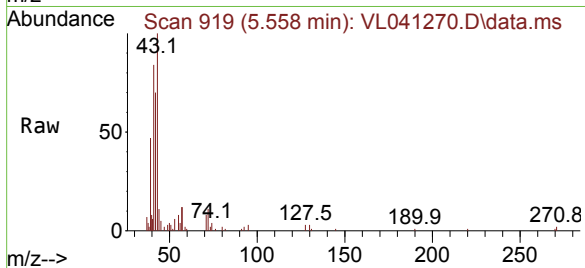
Tgt Ion: 42 Resp: 5597

Ion Ratio Lower Upper

42 100

72 0.0 29.4 44.0#

71 0.0 29.1 43.7#



#44

2,2,4-Trimethylpentane

Concen: 0.160 ppbv

RT: 7.330 min Scan# 1470

Delta R.T. 0.003 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

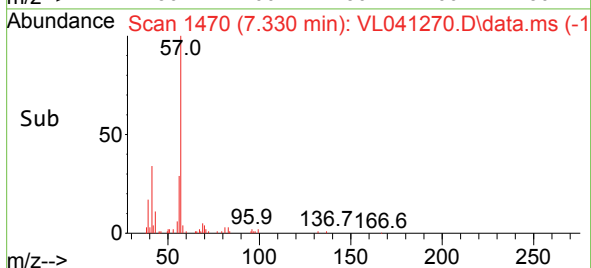
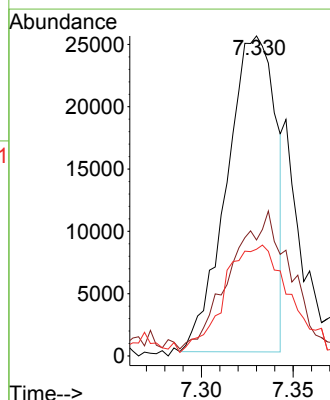
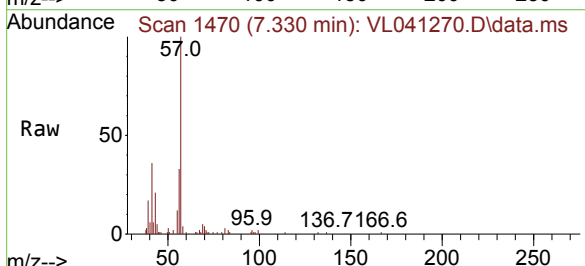
Tgt Ion: 57 Resp: 47065

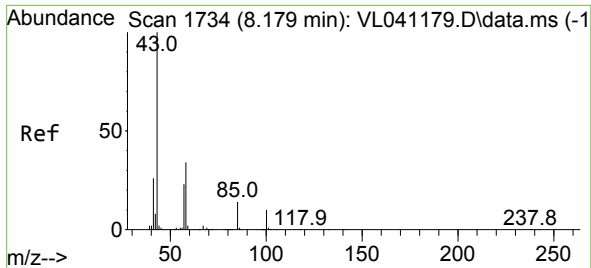
Ion Ratio Lower Upper

57 100

41 55.4 29.5 44.3#

56 49.5 25.3 37.9#

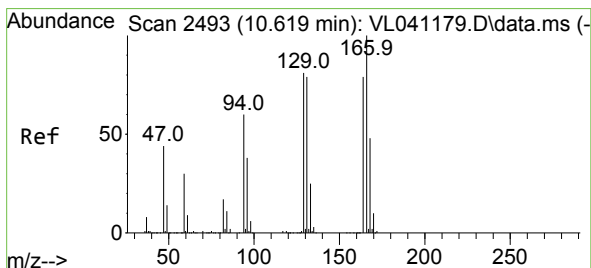
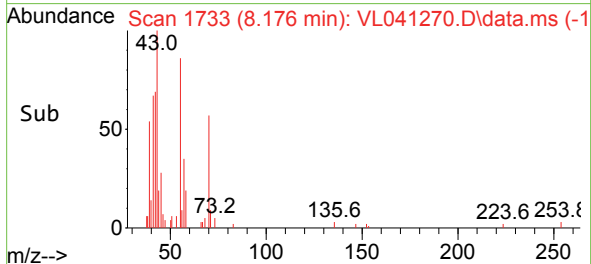
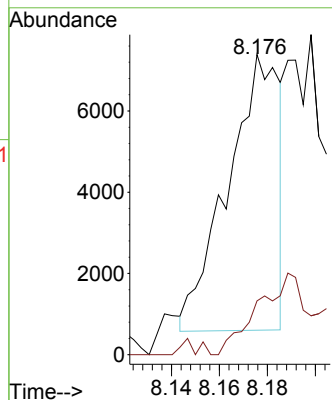
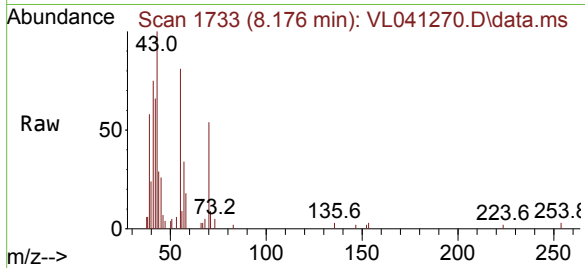




#50
4-Methyl-2-Pentanone
Concen: 0.054 ppbv
RT: 8.176 min Scan# 1733
Delta R.T. -0.006 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

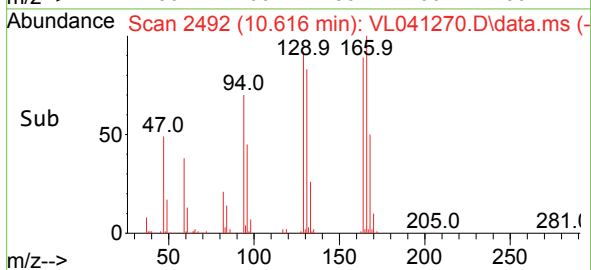
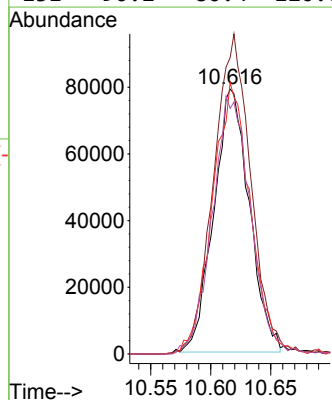
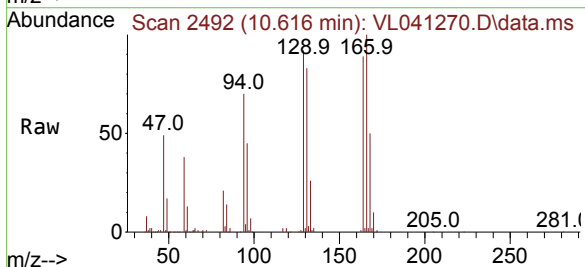
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

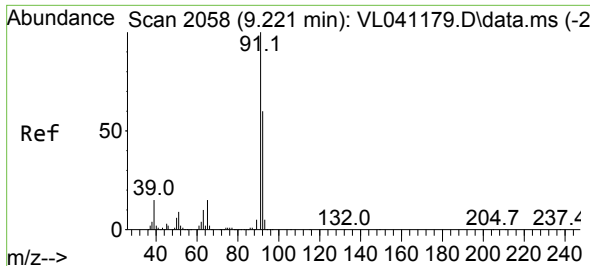
Tgt Ion: 43 Resp: 10114
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#



#52
Tetrachloroethene
Concen: 2.702 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.000 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion:164 Resp: 162058
Ion Ratio Lower Upper
164 100
166 111.4 101.1 151.7
129 102.1 81.7 122.5
131 90.2 80.4 120.6

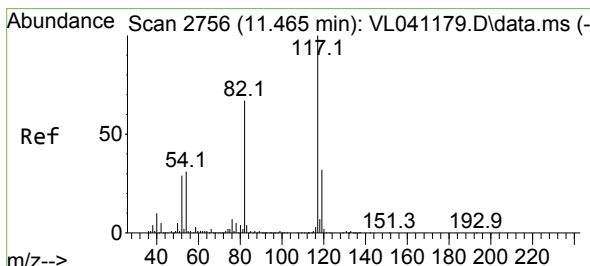
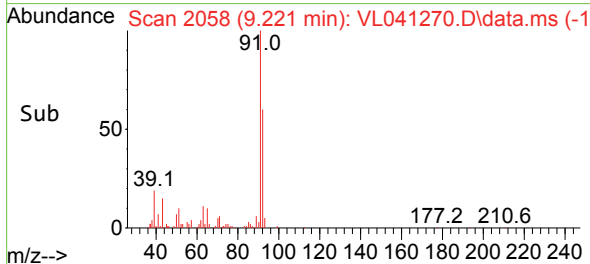
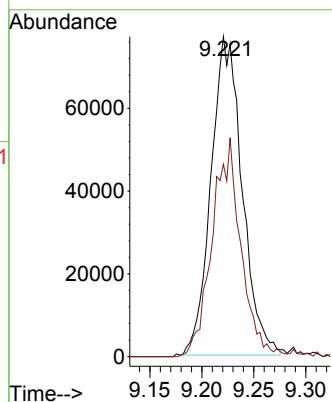
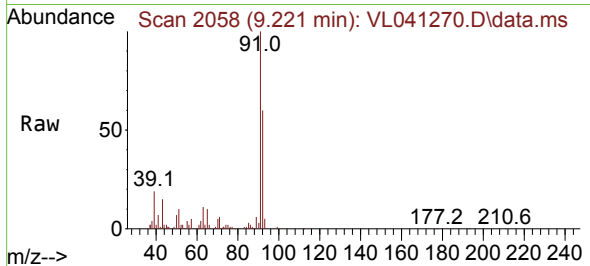




#53
Toluene
Concen: 0.811 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

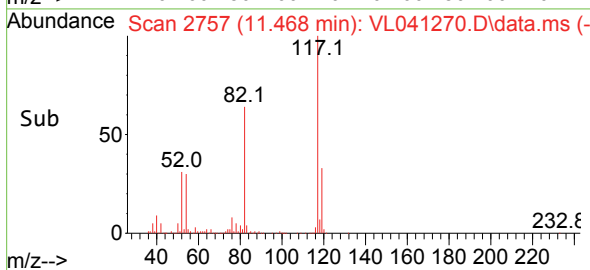
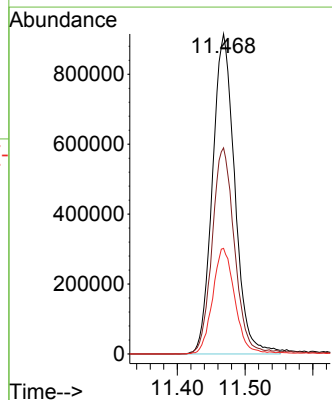
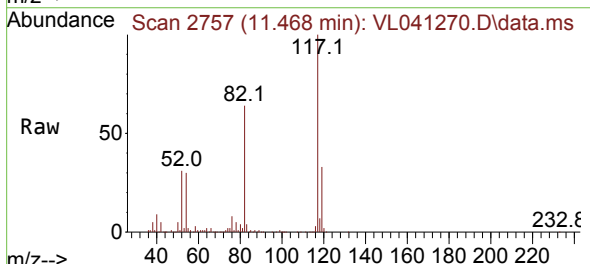
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

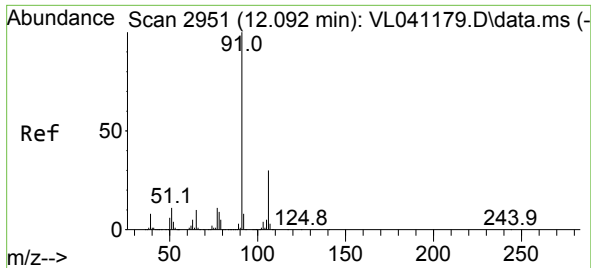
Tgt Ion: 91 Resp: 160540
Ion Ratio Lower Upper
91 100
92 64.0 48.2 72.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 117 Resp: 2096530
Ion Ratio Lower Upper
117 100
82 66.6 53.6 80.4
119 33.3 27.2 40.8

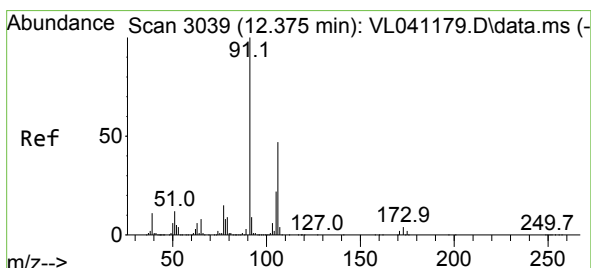
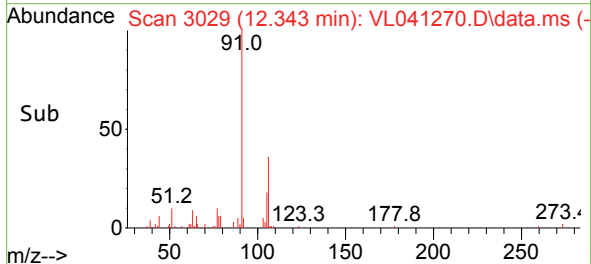
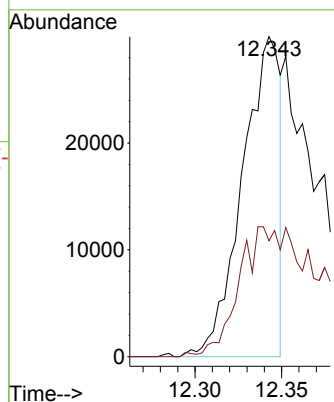
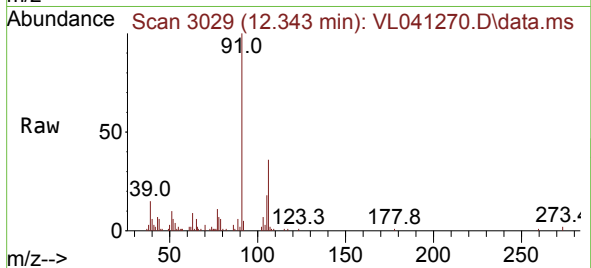




#58
Ethyl Benzene
Concen: 0.157 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. 0.257 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

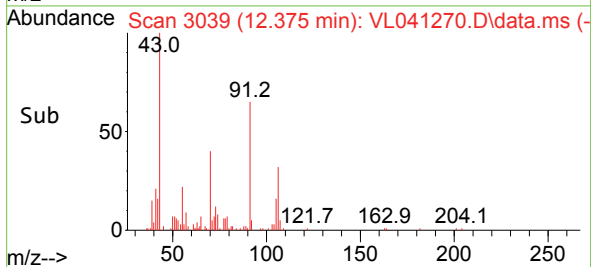
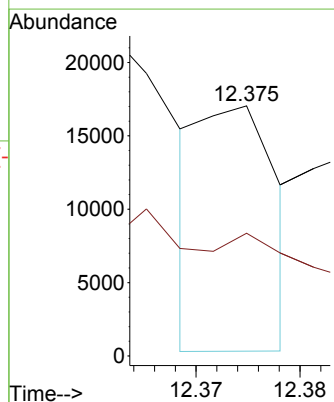
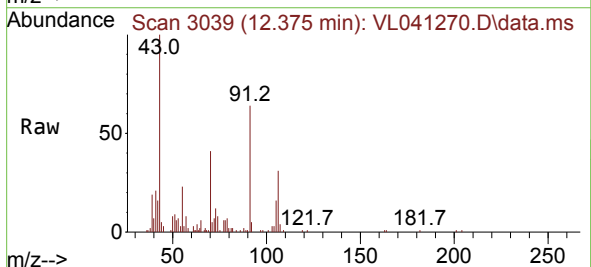
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

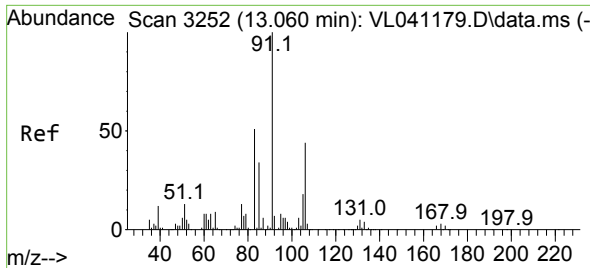
Tgt Ion: 91 Resp: 45185
Ion Ratio Lower Upper
91 100
106 36.2 24.3 36.5



#59
m/p-Xylene
Concen: 0.035 ppbv
RT: 12.375 min Scan# 3039
Delta R.T. 0.010 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 91 Resp: 8513
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#

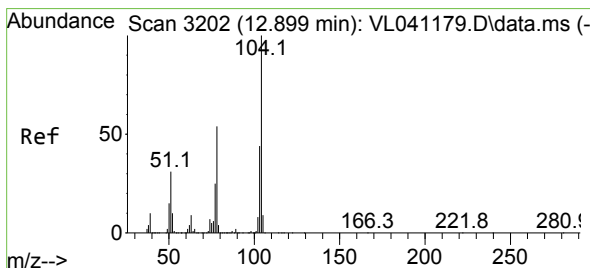
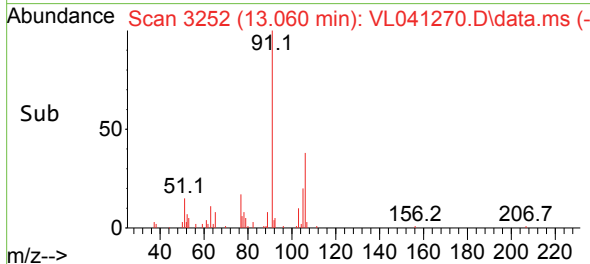
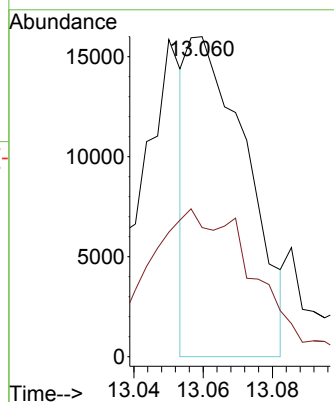
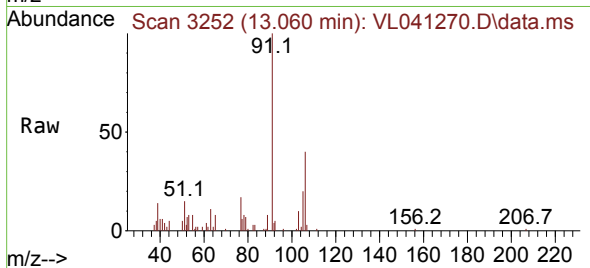




#60
o-Xylene
Concen: 0.084 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

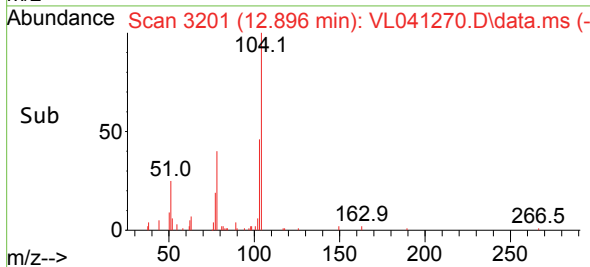
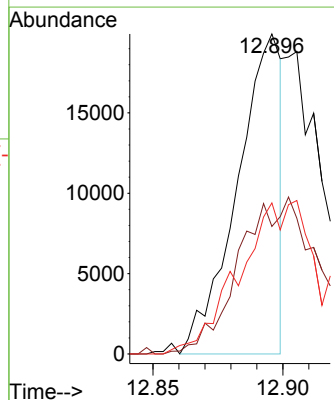
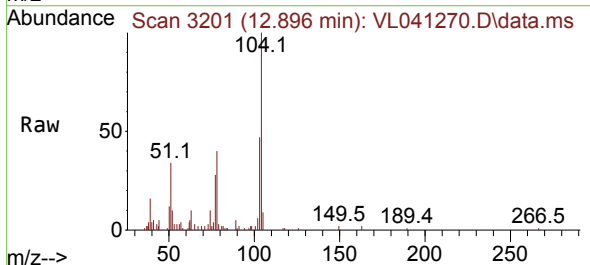
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

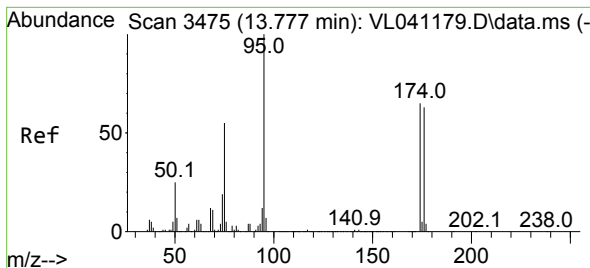
Tgt Ion: 91 Resp: 19002
Ion Ratio Lower Upper
91 100
106 90.0 22.4 67.3#



#61
Styrene
Concen: 0.197 ppbv
RT: 12.896 min Scan# 3201
Delta R.T. 0.003 min
Lab File: VL041270.D
Acq: 21 May 2024 18:15

Tgt Ion: 104 Resp: 23610
Ion Ratio Lower Upper
104 100
78 0.0 42.6 63.8#
103 0.0 38.4 57.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.097 ppbv

RT: 13.774 min Scan# 3475

Delta R.T. 0.000 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

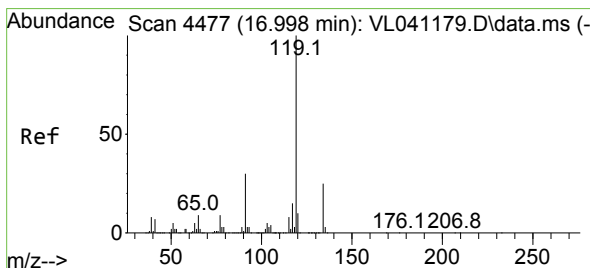
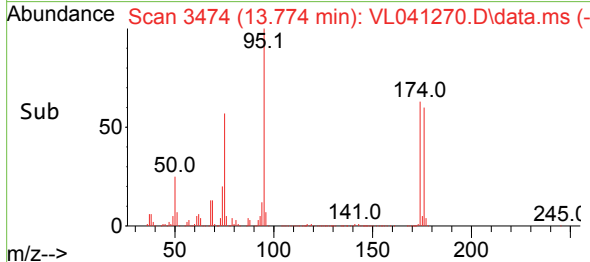
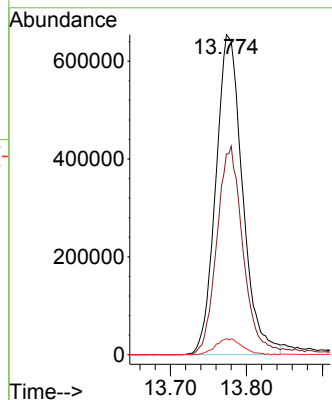
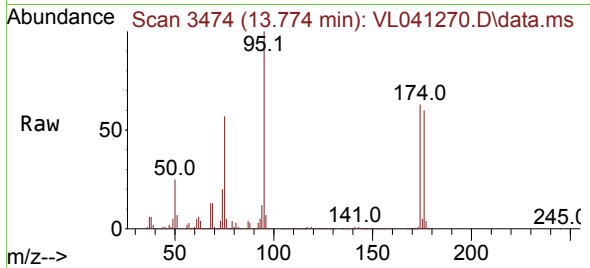
Tgt Ion: 95 Resp: 1598161

Ion Ratio Lower Upper

95 100

174 66.5 53.6 80.4

175 5.1 4.2 6.4



#69

p-Isopropyltoluene

Concen: 0.215 ppbv

RT: 16.995 min Scan# 4476

Delta R.T. 0.006 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

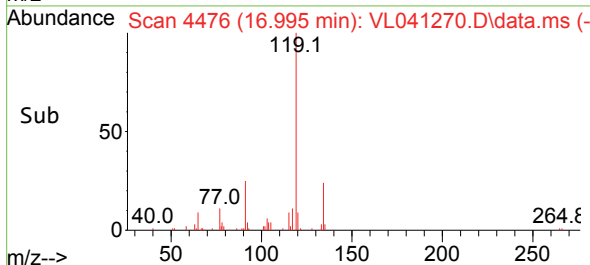
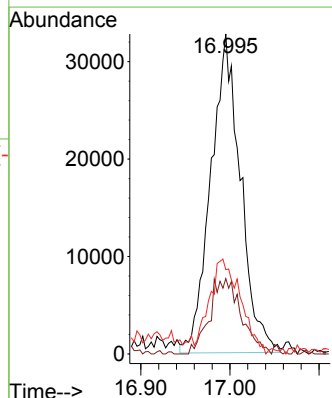
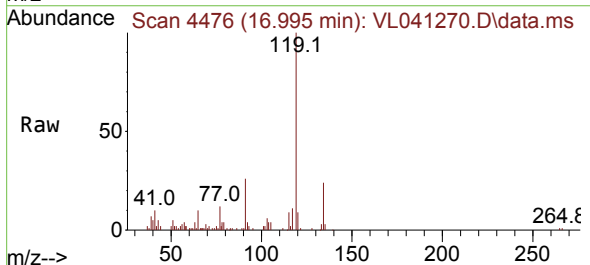
Tgt Ion: 119 Resp: 75824

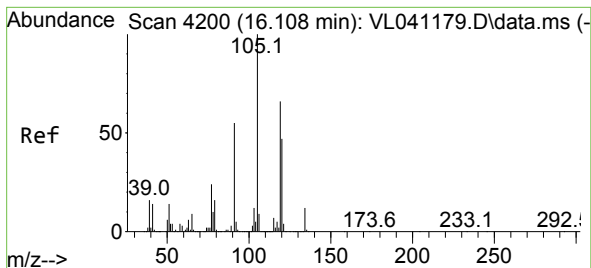
Ion Ratio Lower Upper

119 100

134 26.1 20.1 30.1

91 33.4 24.2 36.2





#74

1,2,4-Trimethylbenzene

Concen: 0.129 ppbv

RT: 16.111 min Scan# 4312

Delta R.T. 0.006 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion:105 Resp: 32575

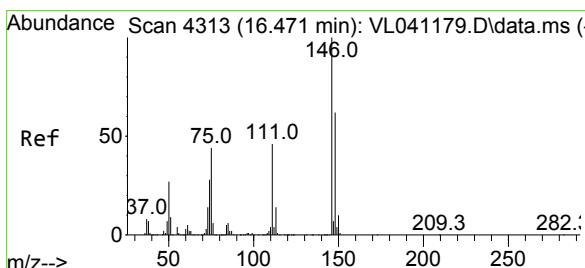
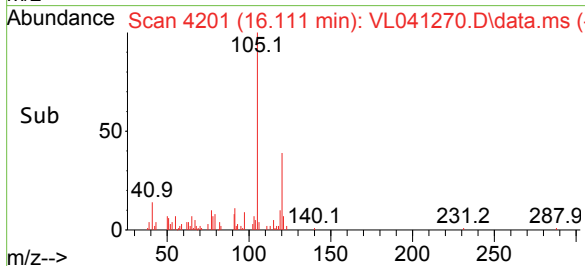
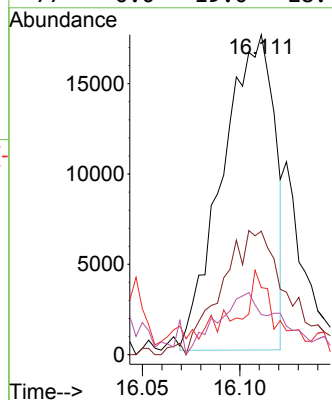
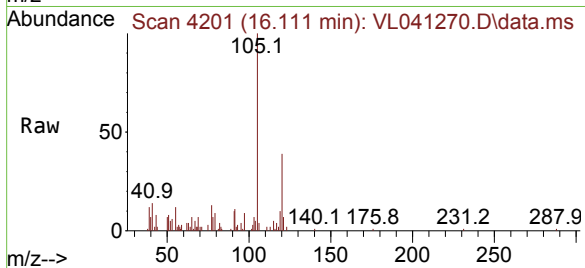
Ion Ratio Lower Upper

105 100

120 36.0 37.8 56.6#

91 12.4 44.3 66.5#

77 0.0 19.0 28.4#



#76

1,4-Dichlorobenzene

Concen: 0.110 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. 0.000 min

Lab File: VL041270.D

Acq: 21 May 2024 18:15

Tgt Ion:146 Resp: 15441

Ion Ratio Lower Upper

146 100

111 0.0 23.3 69.8#

148 0.0 32.6 97.7#

