

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041583.D
 Acq On : 22 Aug 2024 12:14
 Operator : SY/MD
 Sample : P3710-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 23 01:30:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 23 01:15:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	965097	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2561023	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2404218	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1812291	9.795	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.751	85	36020	0.217	ppbv	91
3) Chlorodifluoromethane	2.674	51	1120700	9.755	ppbv #	61
4) Chloromethane	2.835	50	52389	0.857	ppbv	91
7) Chloroethane	3.211	64	928	0.045	ppbv #	86
9) Propene	2.889	41	492326	9.328	ppbv	89
10) Heptane	7.571	43	78475	0.662	ppbv #	27
11) Trichlorofluoromethane	3.577	101	36616	0.248	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.076	101	7605	0.072	ppbv	92
13) Ethanol	3.253	45	3438864	729.008	ppbv	97
15) Acetone	3.475	43	4142910	37.781	ppbv #	84
16) 1,3-Butadiene	2.979	39	41766	0.713	ppbv #	45
17) tert-Butyl alcohol	3.896	59	199157	1.991	ppbv #	72
19) Isopropyl Alcohol	3.590	45	3745943	58.433	ppbv #	98
20) Methylene Chloride	3.941	84	177778	4.348	ppbv	96
21) Allyl Chloride	3.896	41	62363	0.867	ppbv #	62
22) trans-1,2-Dichloroethene	4.452	96	14511	0.320	ppbv	92
23) Vinyl Acetate	4.622	43	211892	2.530	ppbv #	59
25) Ethyl Acetate	5.201	43	2661281	12.216	ppbv #	76
26) Hexane	5.214	57	187510	2.075	ppbv #	1
27) Carbon Disulfide	4.134	76	73367	0.694	ppbv #	94
28) Methyl tert-Butyl Ether	4.597	73	9199	0.161	ppbv #	80
29) Chloroform	5.275	83	69511	0.472	ppbv	88
30) Cyclohexane	6.600	84	64026	0.870	ppbv	95
31) cis-1,2-Dichloroethene	5.201	61	340082	3.809	ppbv #	23
34) 2-Butanone	4.790	43	596142	4.812	ppbv	98
36) Benzene	6.372	78	107090	0.572	ppbv #	91
37) 1,2-Dichloroethane	5.809	62	132247	1.263	ppbv #	96
38) Trichloroethene	7.285	130	3916	0.046	ppbv #	38
39) 1,2-Dichloropropane	6.648	63	629992	8.793	ppbv #	24
41) Tetrahydrofuran	5.565	42	17314	0.244	ppbv #	74
43) Methyl Methacrylate	7.468	69	56845	0.847	ppbv	91
44) 2,2,4-Trimethylpentane	7.323	57	1700294	5.440	ppbv	98
50) 4-Methyl-2-Pentanone	8.182	43	91510	0.468	ppbv	93
51) 2-Hexanone	9.535	43	7708	0.052	ppbv #	30
52) Tetrachloroethene	10.606	164	123619	1.710	ppbv	95
53) Toluene	9.217	91	10549859	50.613	ppbv	94
58) Ethyl Benzene	12.076	91	541872	1.955	ppbv	95
59) m/p-Xylene	12.333	91	926655	3.874	ppbv	96
60) o-Xylene	13.047	91	369237	1.632	ppbv	100
61) Styrene	12.883	104	418547	4.100	ppbv	99
62) Isopropylbenzene	14.014	105	14462	0.042	ppbv #	74
64) n-propylbenzene	15.111	120	3515	0.039	ppbv	69
69) p-Isopropyltoluene	16.979	119	31722	0.089	ppbv #	47

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Instrument :
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Quant Time: Aug 23 01:30:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Aug 23 01:15:26 2024
Response via : Initial Calibration

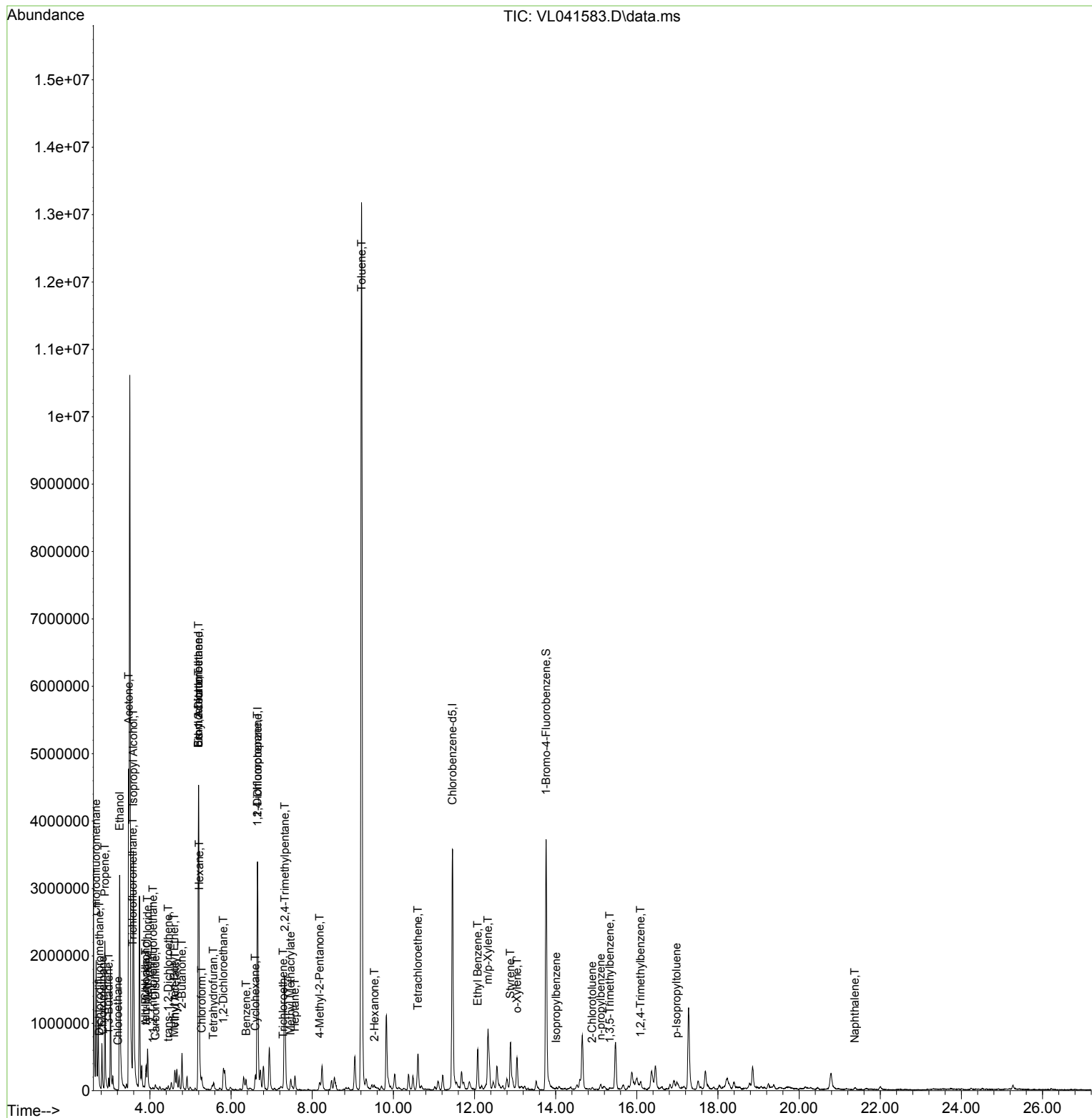
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	14.895	91	10745	0.042	ppbv #	45
73) 1,3,5-Trimethylbenzene	15.333	105	9191	0.040	ppbv #	57
74) 1,2,4-Trimethylbenzene	16.091	105	36117	0.135	ppbv #	71
79) Naphthalene	21.371	128	8285	0.035	ppbv #	69

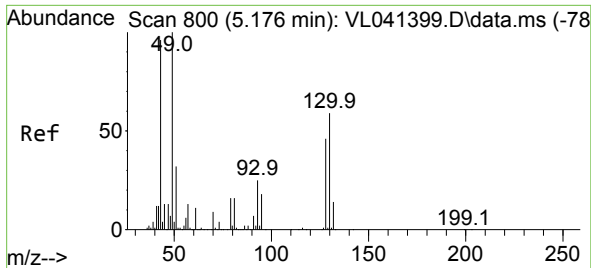
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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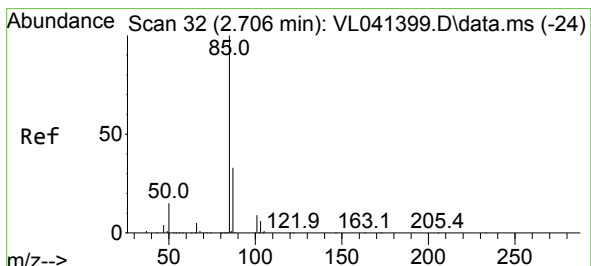
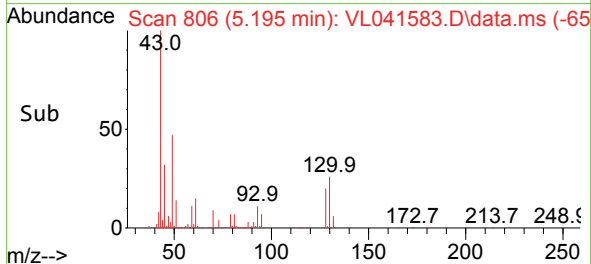
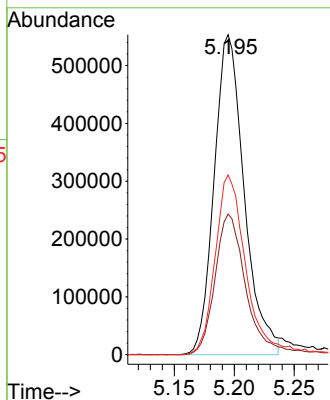
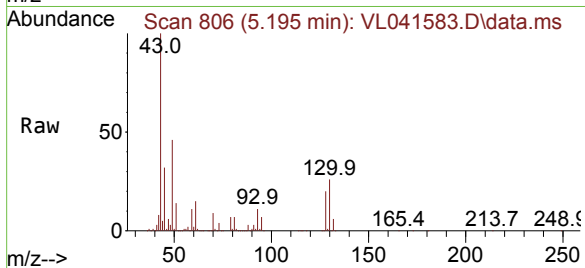




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

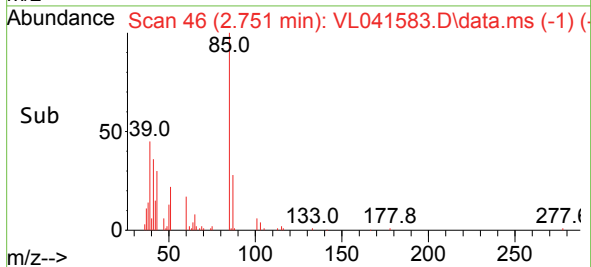
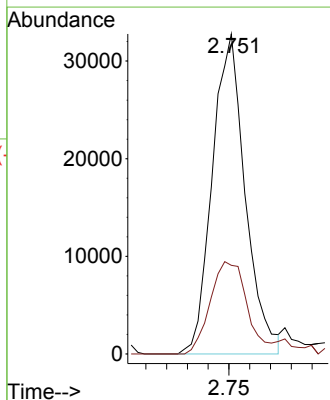
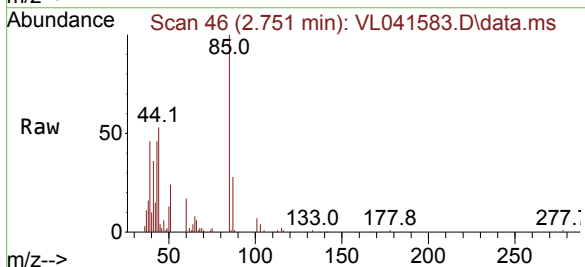
Instrument :
MSVOA_L
ClientSampleId :

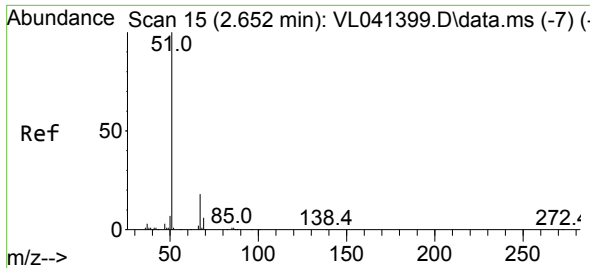
Tgt Ion: 49 Resp: 965097
Ion Ratio Lower Upper
49 100
128 46.1 23.8 71.4
130 59.3 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.217 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.006 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 85 Resp: 36020
Ion Ratio Lower Upper
85 100
87 27.7 26.0 39.0

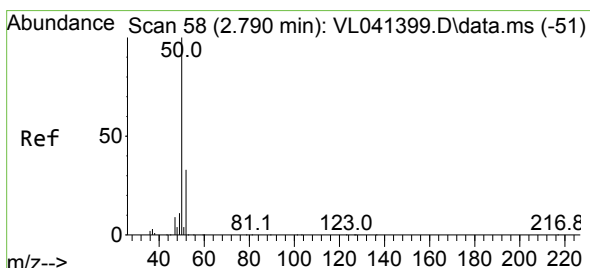
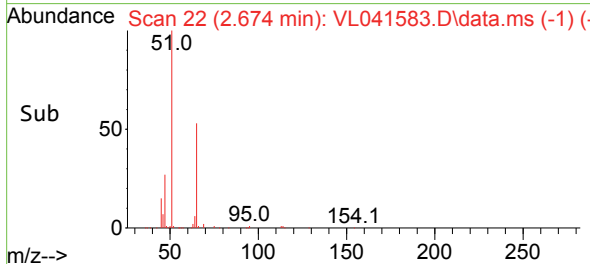
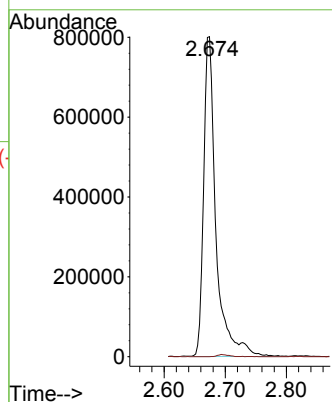
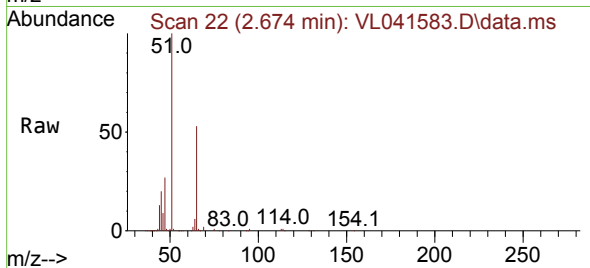




#3
Chlorodifluoromethane
Concen: 9.755 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

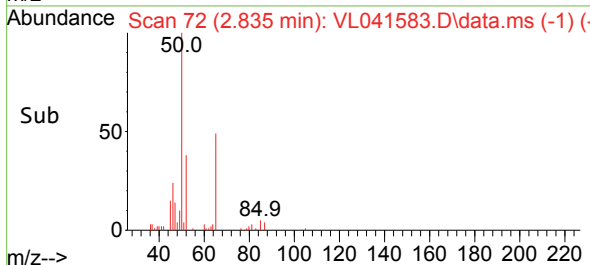
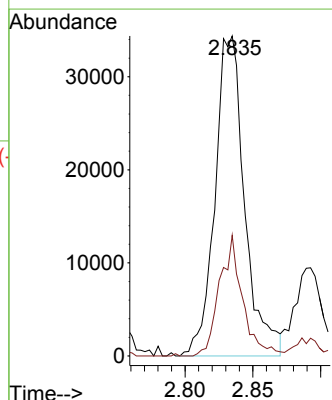
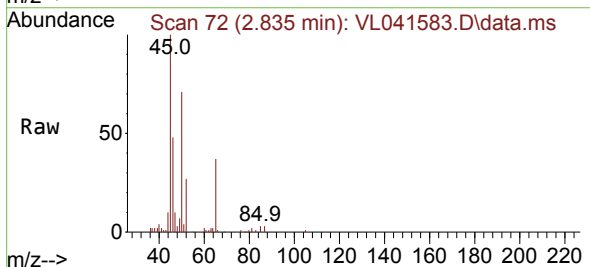
Instrument :
MSVOA_L
ClientSampleId :

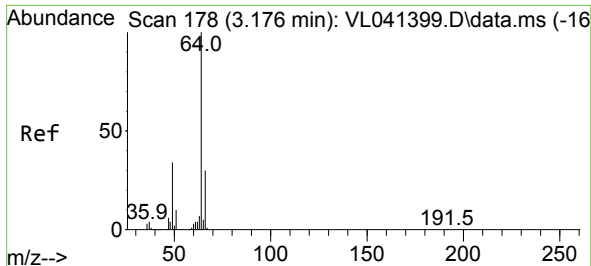
Tgt Ion: 51 Resp: 1120700
Ion Ratio Lower Upper
51 100
67 0.7 14.5 21.7#



#4
Chloromethane
Concen: 0.857 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.009 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 50 Resp: 52389
Ion Ratio Lower Upper
50 100
52 37.7 26.1 39.1

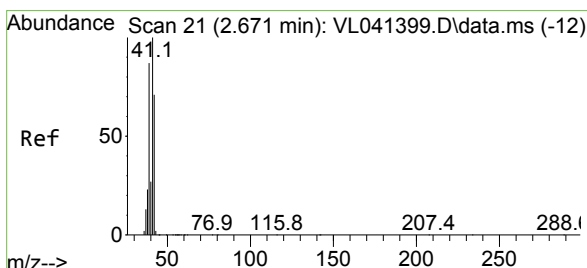
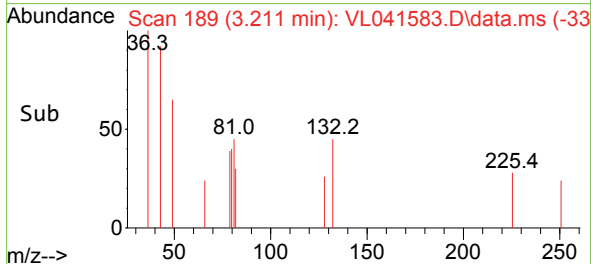
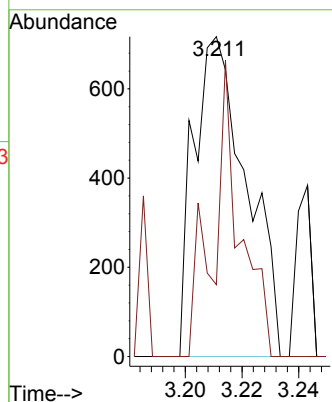
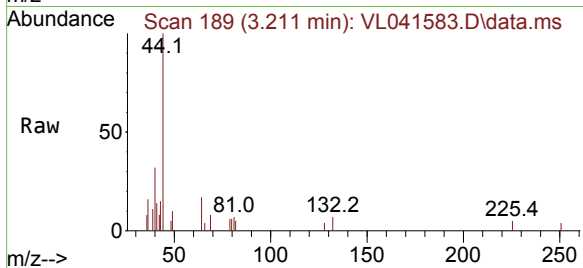




#7
Chloroethane
Concen: 0.045 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

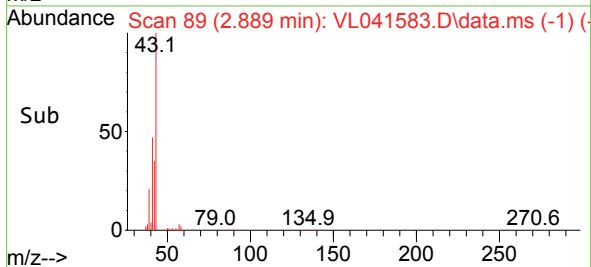
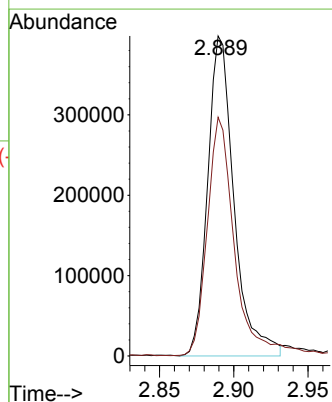
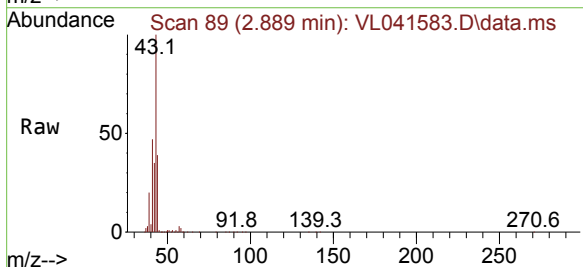
Instrument :
MSVOA_L
ClientSampleId :

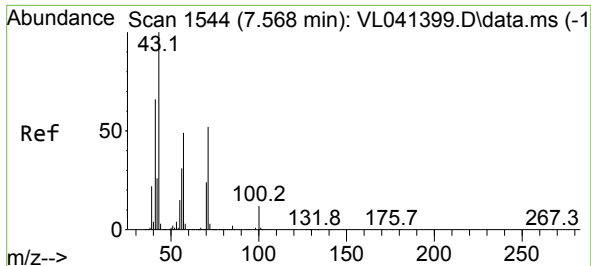
Tgt Ion: 64 Resp: 928
Ion Ratio Lower Upper
64 100
66 22.5 24.2 36.2#



#9
Propene
Concen: 9.328 ppbv
RT: 2.889 min Scan# 89
Delta R.T. 0.180 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 41 Resp: 492326
Ion Ratio Lower Upper
41 100
42 79.0 55.9 83.9

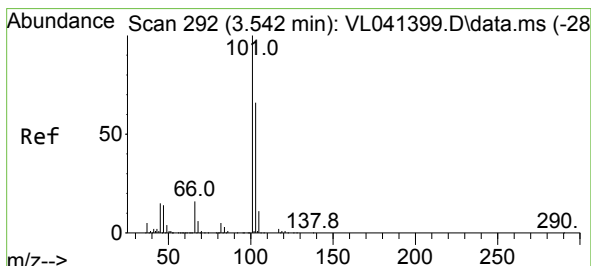
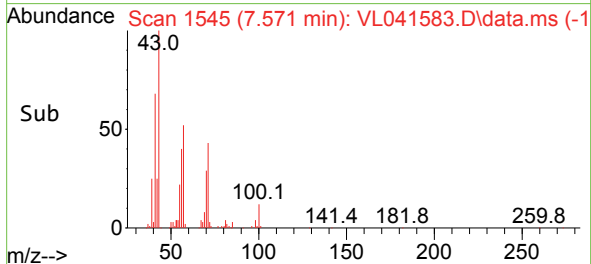
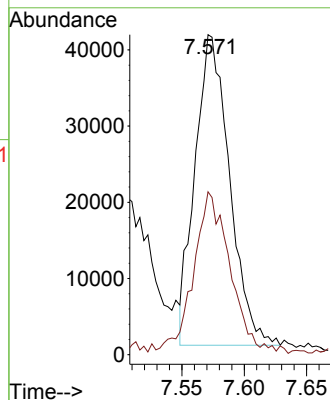
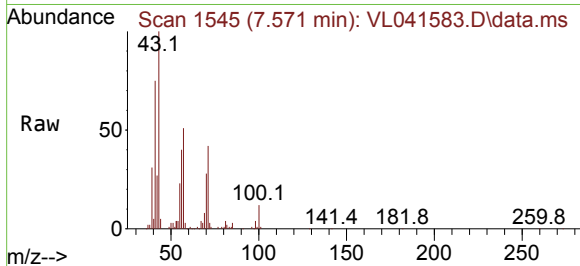




#10
Heptane
Concen: 0.662 ppbv
RT: 7.571 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

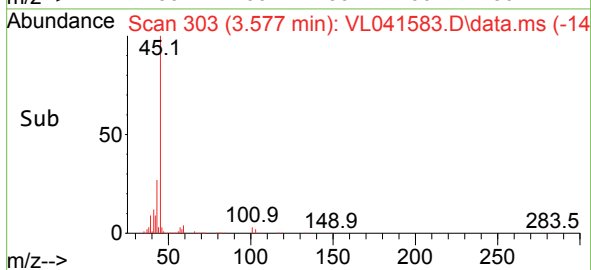
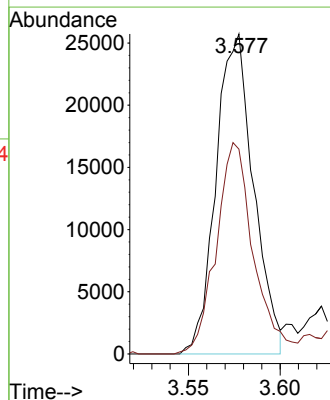
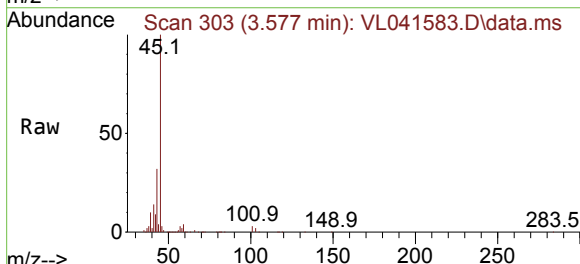
Instrument :
MSVOA_L
ClientSampleId :

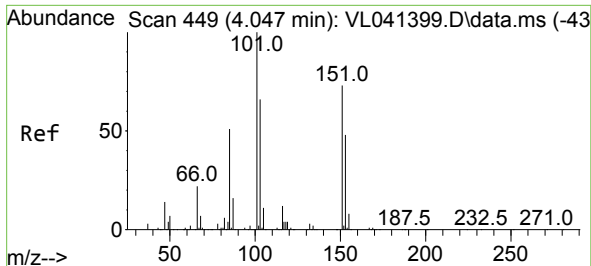
Tgt Ion: 43 Resp: 78475
Ion Ratio Lower Upper
43 100
57 0.0 40.5 60.7#



#11
Trichlorofluoromethane
Concen: 0.248 ppbv
RT: 3.577 min Scan# 303
Delta R.T. 0.006 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion:101 Resp: 36616
Ion Ratio Lower Upper
101 100
103 63.4 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.072 ppbv

RT: 4.076 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

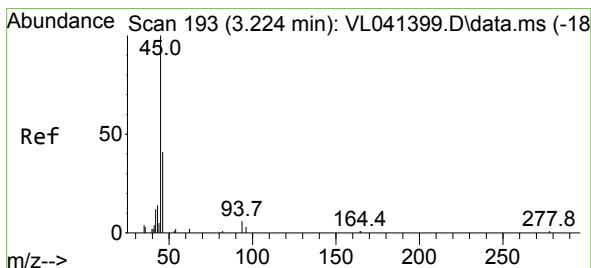
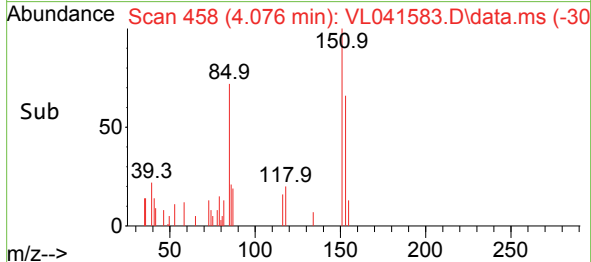
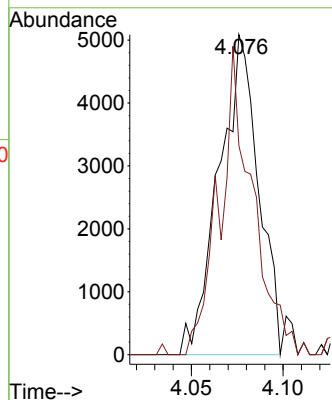
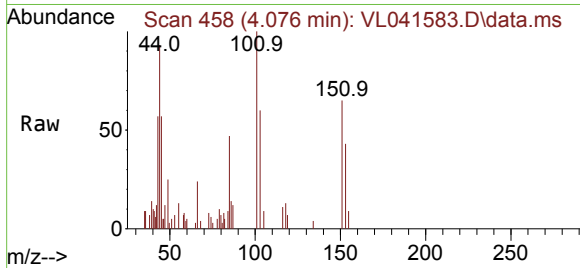
ClientSampleId :

Tgt Ion:101 Resp: 7605

Ion Ratio Lower Upper

101 100

151 81.1 59.4 89.2



#13

Ethanol

Concen: 729.008 ppbv

RT: 3.253 min Scan# 202

Delta R.T. -0.010 min

Lab File: VL041583.D

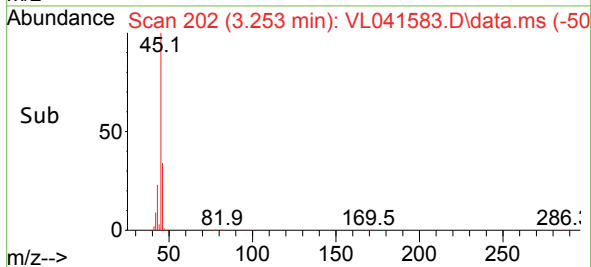
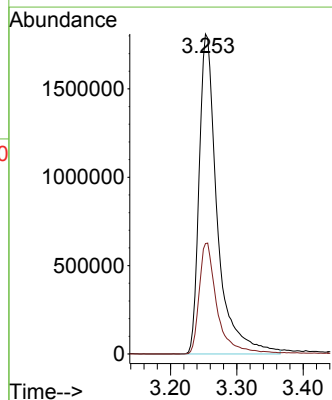
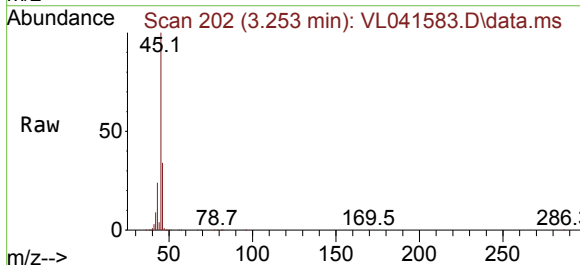
Acq: 22 Aug 2024 12:14

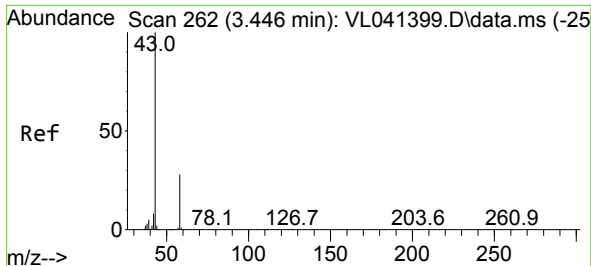
Tgt Ion: 45 Resp: 3438864

Ion Ratio Lower Upper

45 100

46 35.0 13.4 53.4

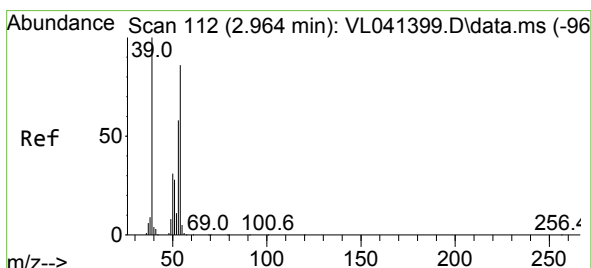
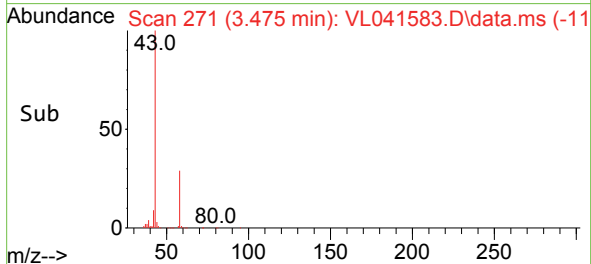
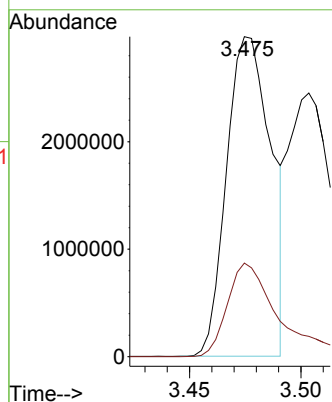
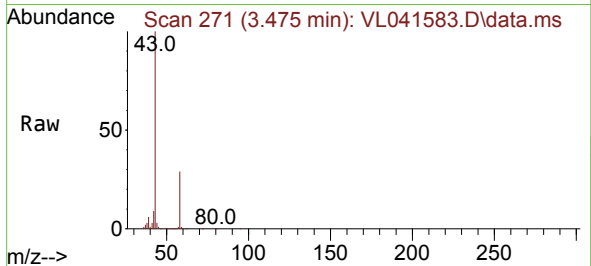




#15
Acetone
Concen: 37.781 ppbv
RT: 3.475 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

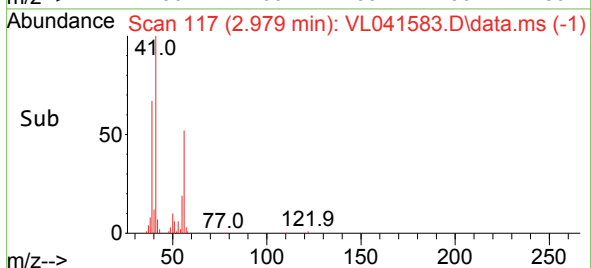
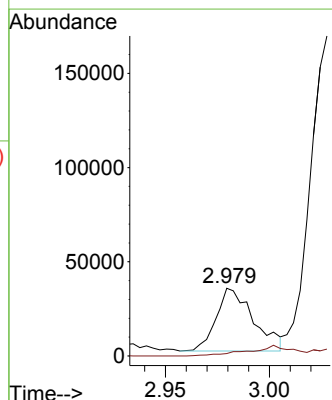
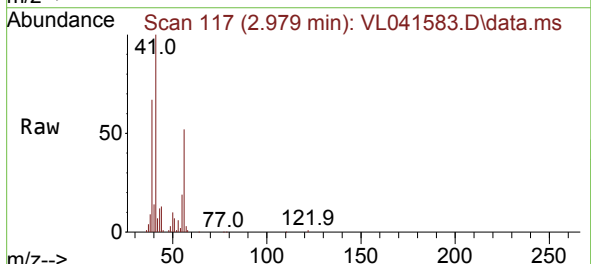
Instrument :
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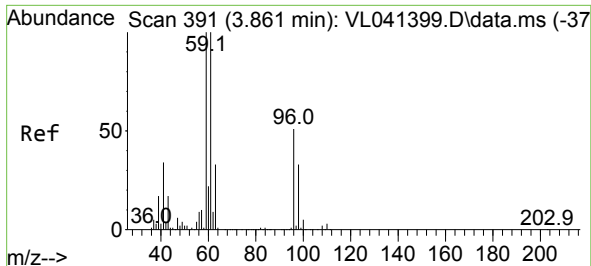
Tgt Ion: 43 Resp: 4142910
Ion Ratio Lower Upper
43 100
58 35.1 21.4 32.2#



#16
1,3-Butadiene
Concen: 0.713 ppbv
RT: 2.979 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 39 Resp: 41766
Ion Ratio Lower Upper
39 100
54 30.2 62.5 93.7#

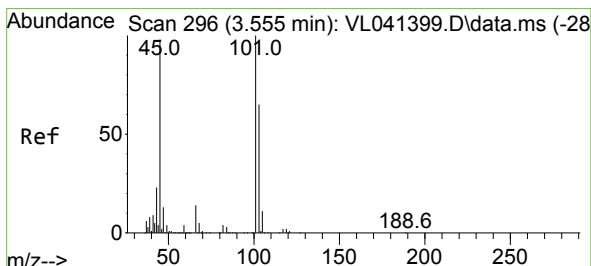
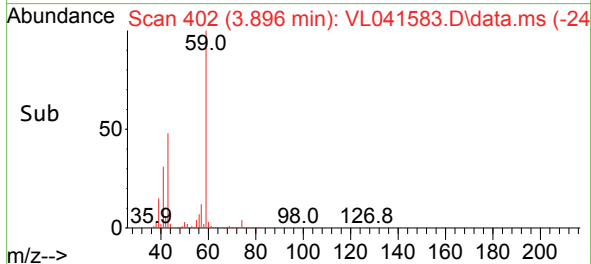
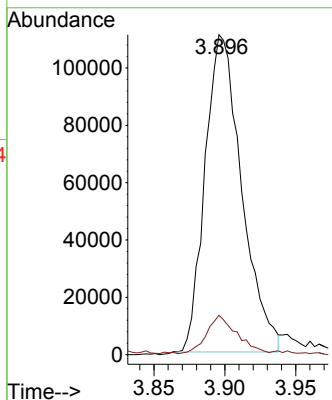
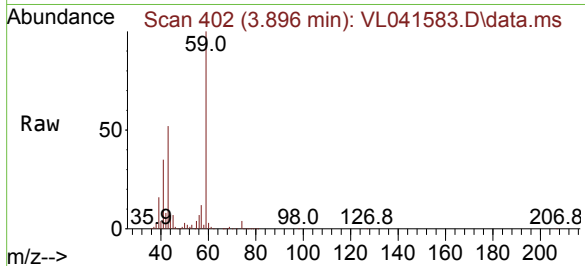




#17
tert-Butyl alcohol
Concen: 1.991 ppbv
RT: 3.896 min Scan# 40
Delta R.T. 0.013 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

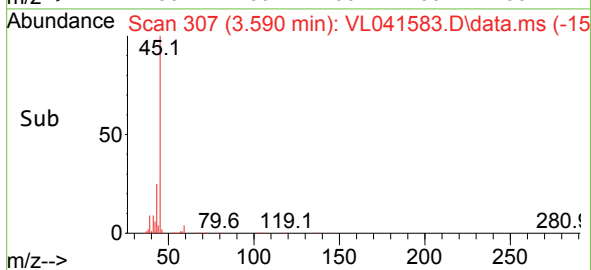
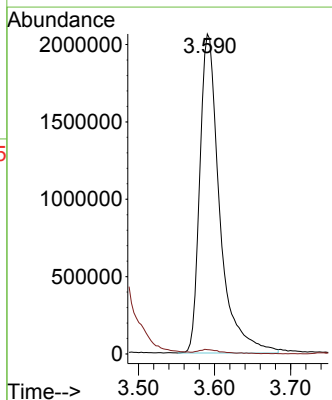
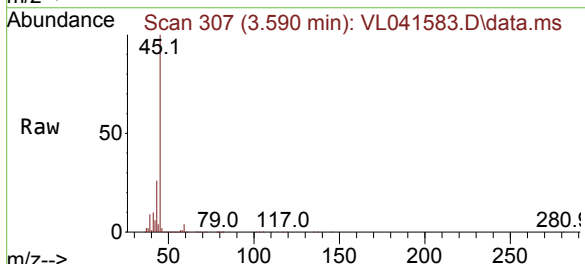
Instrument :
MSVOA_L
ClientSampleId :

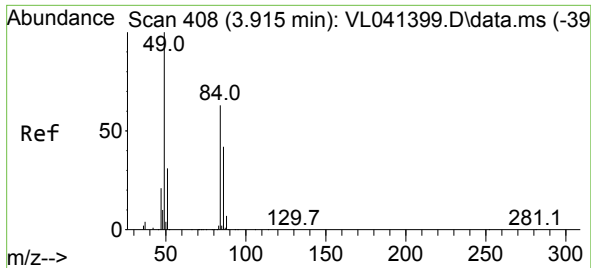
Tgt Ion: 59 Resp: 199157
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#19
Isopropyl Alcohol
Concen: 58.433 ppbv
RT: 3.590 min Scan# 307
Delta R.T. 0.006 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 45 Resp: 3745943
Ion Ratio Lower Upper
45 100
58 1.8 1.9 2.9#

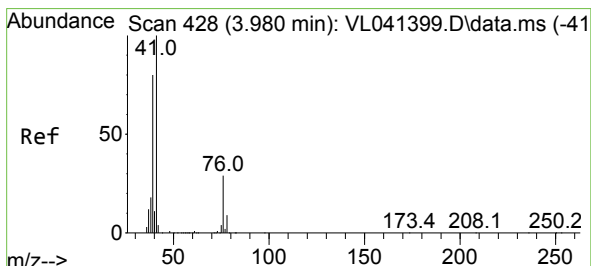
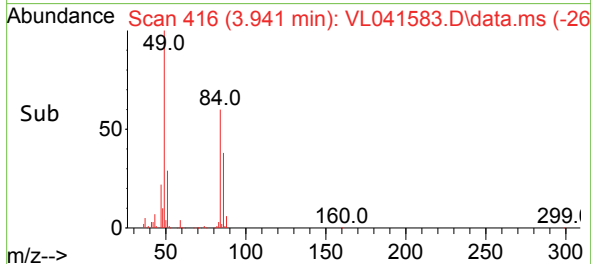
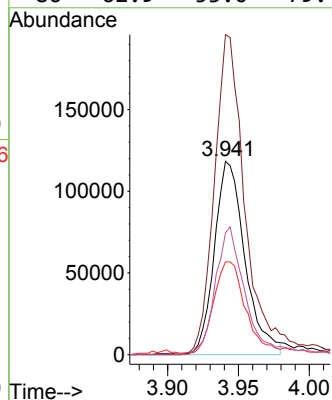
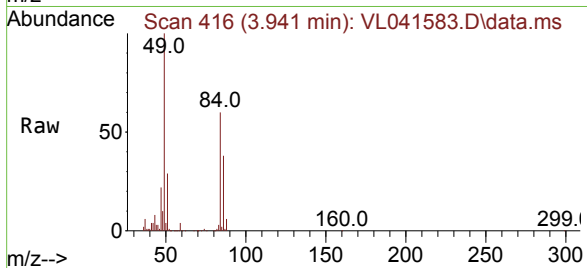




#20
Methylene Chloride
Concen: 4.348 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

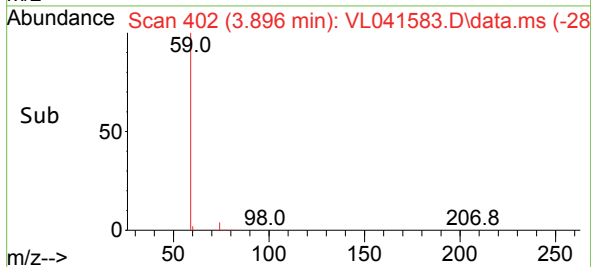
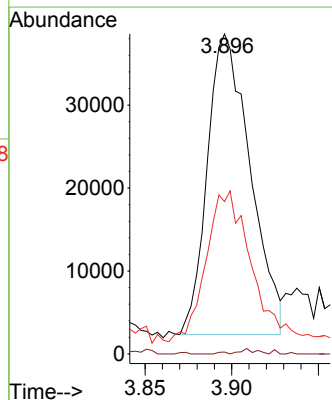
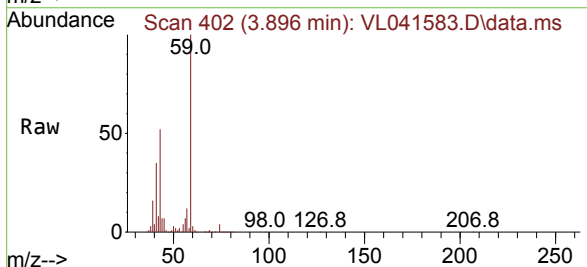
Instrument :
MSVOA_L
ClientSampleId :

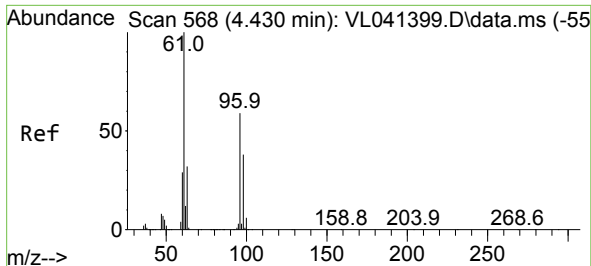
Tgt Ion: 84 Resp: 177778
Ion Ratio Lower Upper
84 100
49 163.9 126.6 190.0
51 47.2 38.6 58.0
86 62.9 53.0 79.4



#21
Allyl Chloride
Concen: 0.867 ppbv
RT: 3.896 min Scan# 402
Delta R.T. -0.106 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 41 Resp: 62363
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 52.1 64.3 96.5#

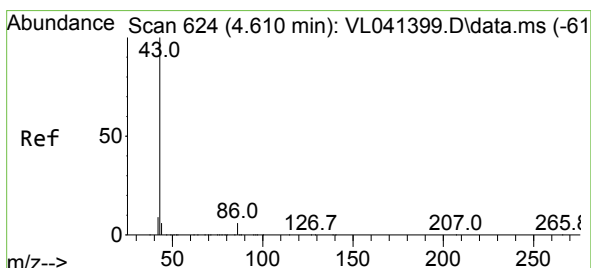
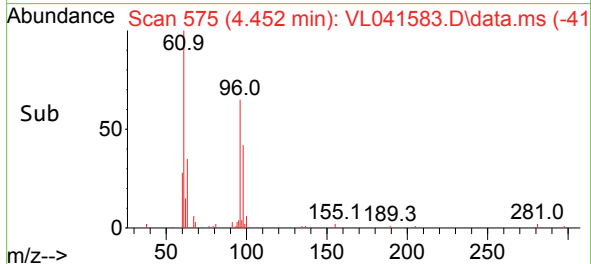
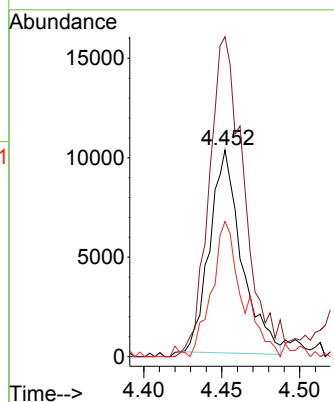
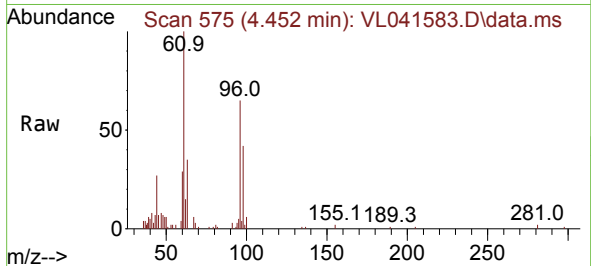




#22
trans-1,2-Dichloroethene
Concen: 0.320 ppbv
RT: 4.452 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

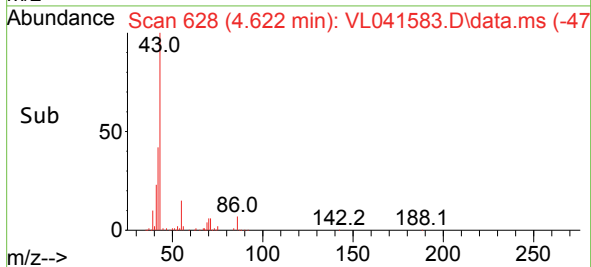
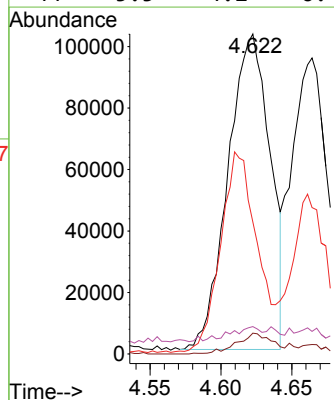
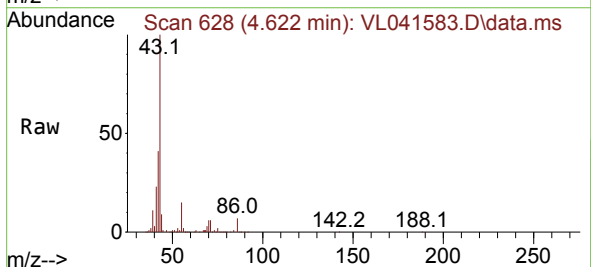
Instrument :
MSVOA_L
ClientSampleId :

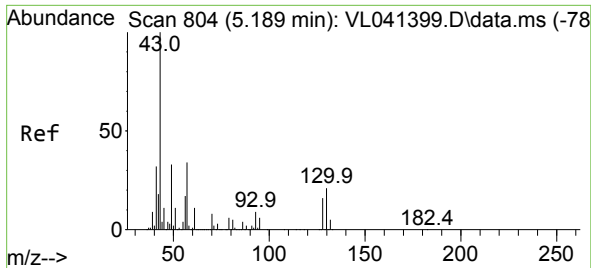
Tgt Ion: 96 Resp: 14511
Ion Ratio Lower Upper
96 100
61 156.8 135.4 203.2
98 67.1 51.0 76.4



#23
Vinyl Acetate
Concen: 2.530 ppbv
RT: 4.622 min Scan# 628
Delta R.T. -0.007 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 43 Resp: 211892
Ion Ratio Lower Upper
43 100
86 6.6 4.6 6.8
42 40.9 7.9 11.9#
44 5.5 4.2 6.4

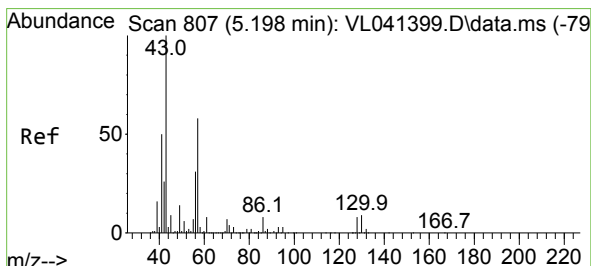
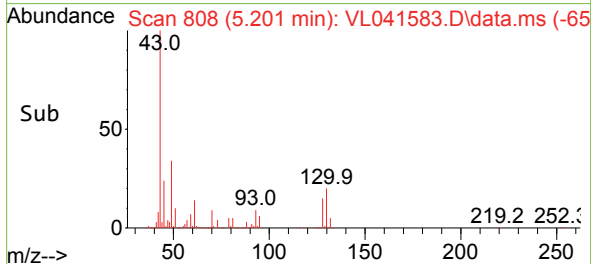
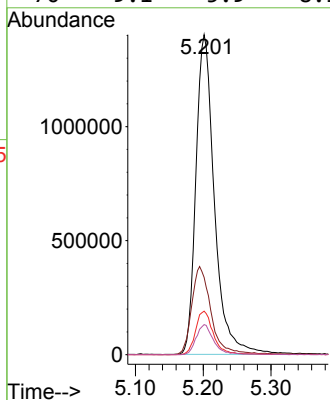
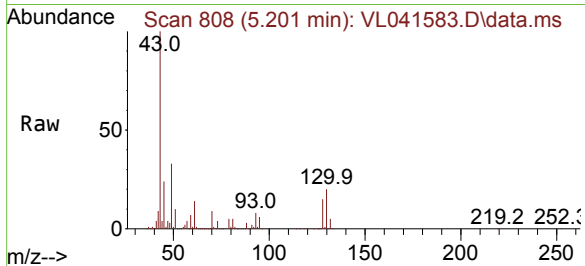




#25
Ethyl Acetate
Concen: 12.216 ppbv
RT: 5.201 min Scan# 804
Delta R.T. -0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

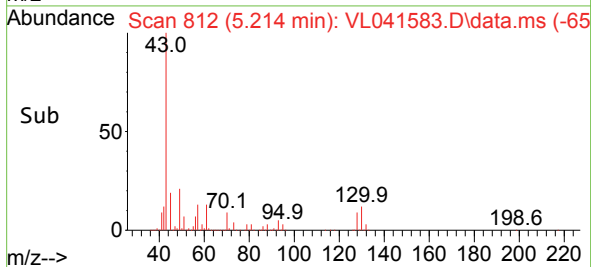
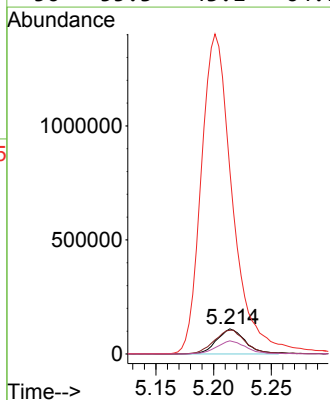
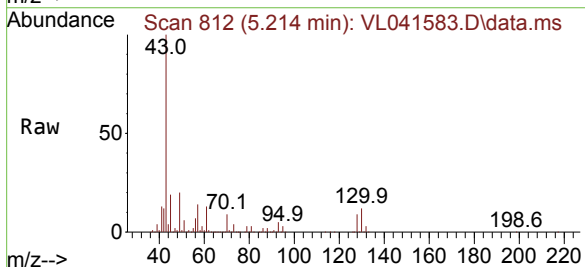
Instrument :
MSVOA_L
ClientSampleId :

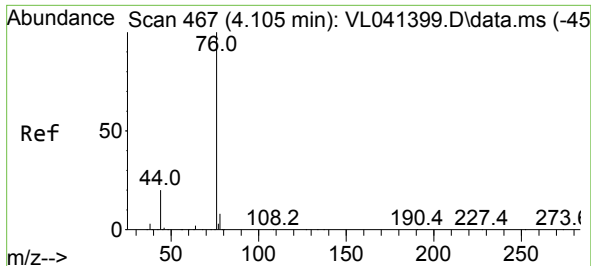
Tgt Ion: 43 Resp: 2661281
Ion Ratio Lower Upper
43 100
45 29.5 8.5 12.7#
61 13.4 8.0 12.0#
70 9.1 5.9 8.9#



#26
Hexane
Concen: 2.075 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

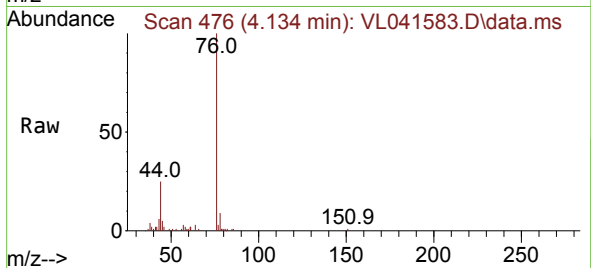
Tgt Ion: 57 Resp: 187510
Ion Ratio Lower Upper
57 100
41 110.0 74.0 111.0
43 1431.6 193.6 290.4#
56 55.3 43.1 64.7



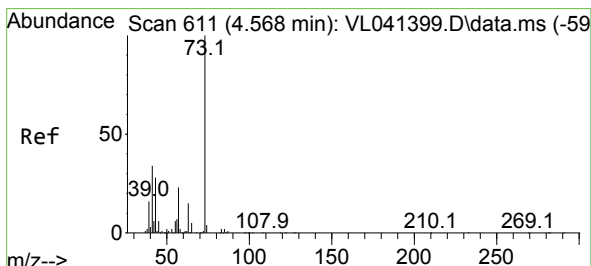
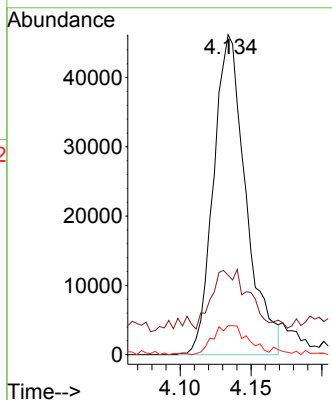
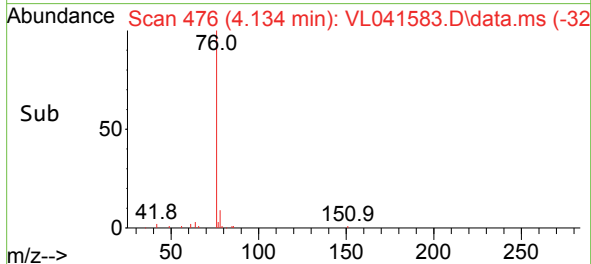


#27
Carbon Disulfide
Concen: 0.694 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Instrument :
MSVOA_L
ClientSampleId :

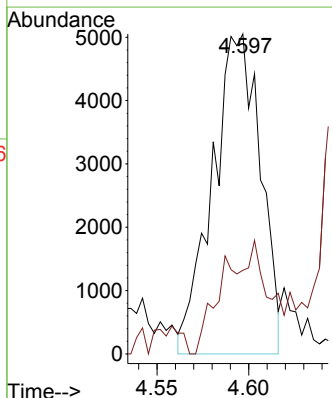
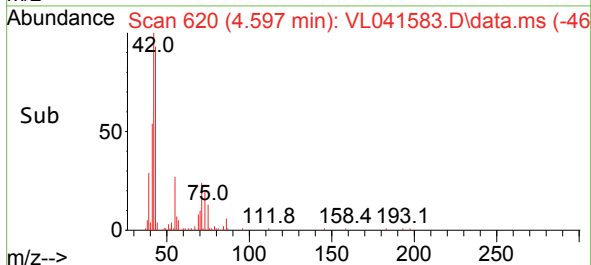
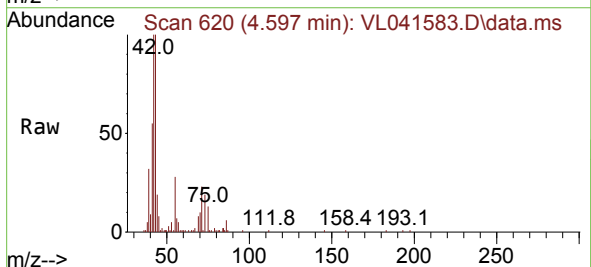


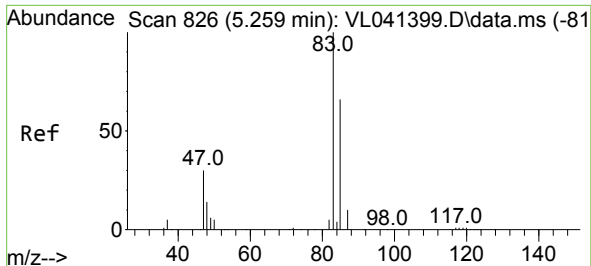
Tgt Ion: 76 Resp: 73367
Ion Ratio Lower Upper
76 100
44 22.5 15.6 23.4
78 11.8 7.7 11.5#



#28
Methyl tert-Butyl Ether
Concen: 0.161 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.009 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 73 Resp: 9199
Ion Ratio Lower Upper
73 100
57 33.4 18.9 28.3#





#29

Chloroform

Concen: 0.472 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

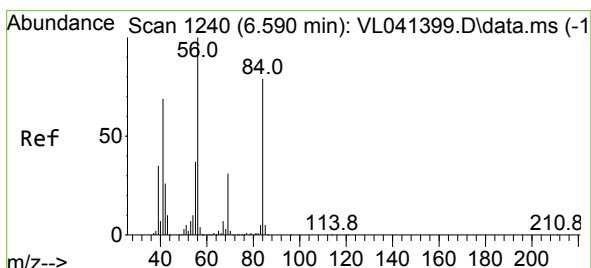
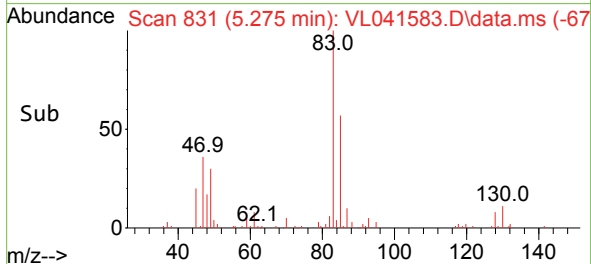
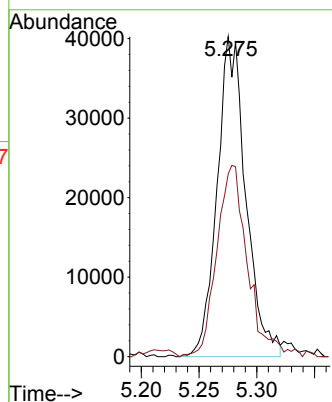
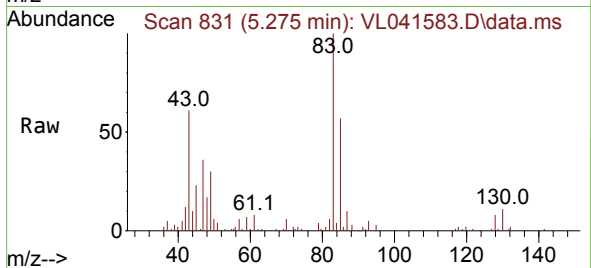
ClientSampleId :

Tgt Ion: 83 Resp: 69511

Ion Ratio Lower Upper

83 100

85 57.1 53.1 79.7



#30

Cyclohexane

Concen: 0.870 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

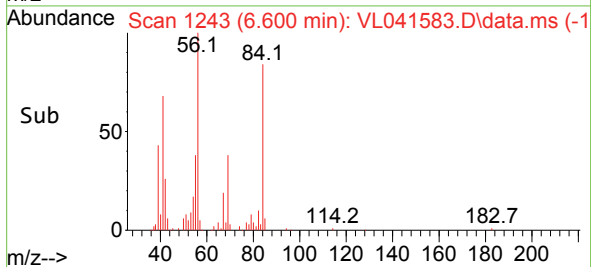
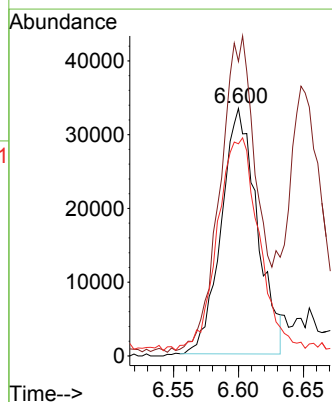
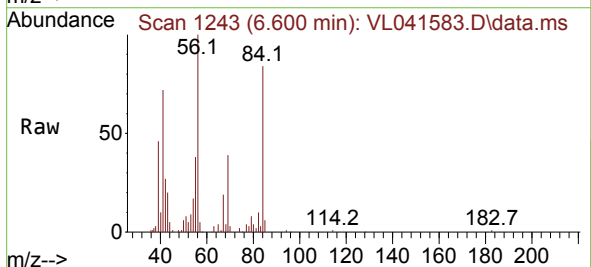
Tgt Ion: 84 Resp: 64026

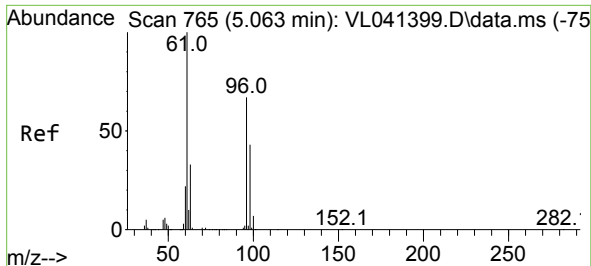
Ion Ratio Lower Upper

84 100

56 140.0 111.2 166.8

41 98.2 70.3 105.5

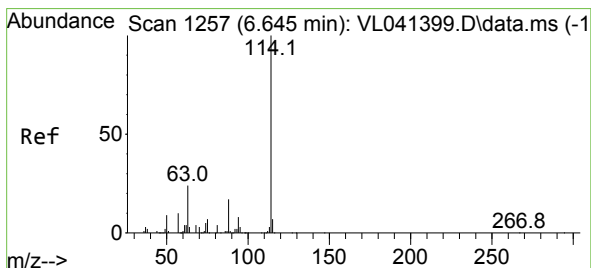
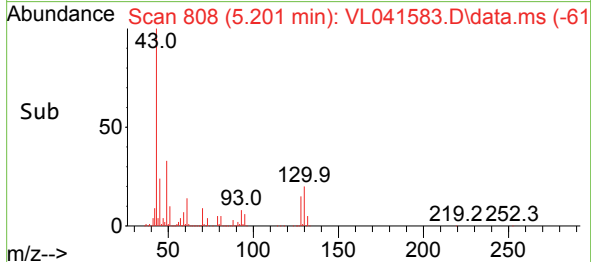
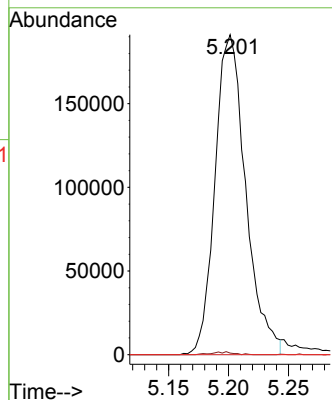
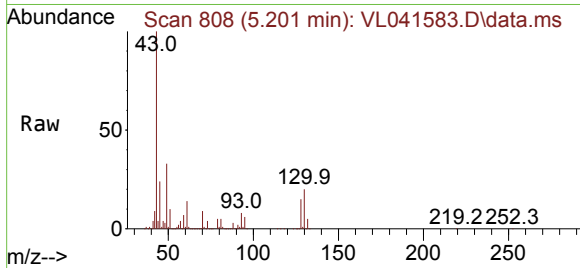




#31
 cis-1,2-Dichloroethene
 Concen: 3.809 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. 0.122 min
 Lab File: VL041583.D
 Acq: 22 Aug 2024 12:14

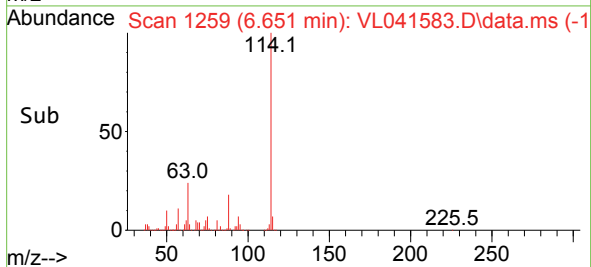
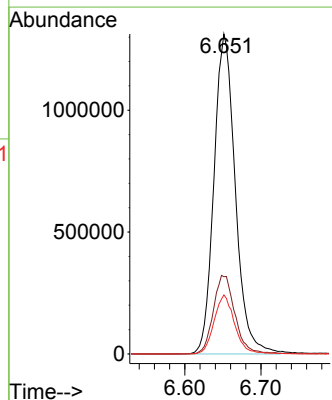
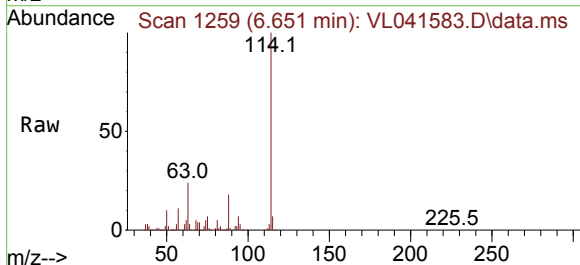
Instrument :
 MSVOA_L
 ClientSampleId :

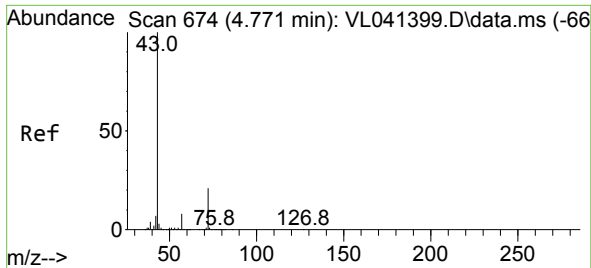
Tgt Ion: 61 Resp: 340082
 Ion Ratio Lower Upper
 61 100
 96 0.5 53.4 80.2#
 98 0.0 34.4 51.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.651 min Scan# 1259
 Delta R.T. 0.003 min
 Lab File: VL041583.D
 Acq: 22 Aug 2024 12:14

Tgt Ion: 114 Resp: 2561023
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.3 30.5
 88 17.8 14.3 21.5

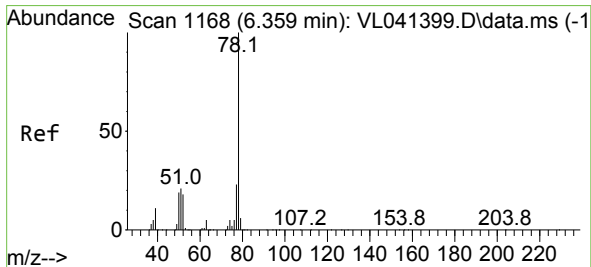
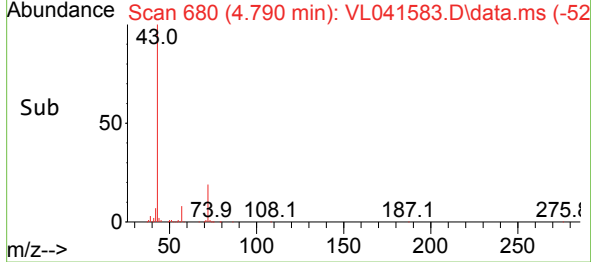
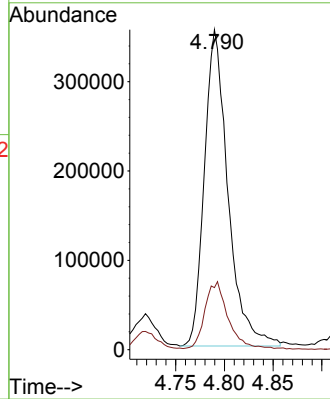
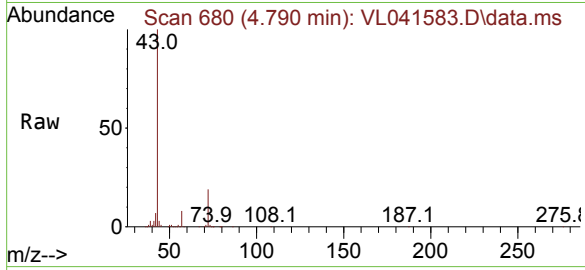




#34
2-Butanone
Concen: 4.812 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

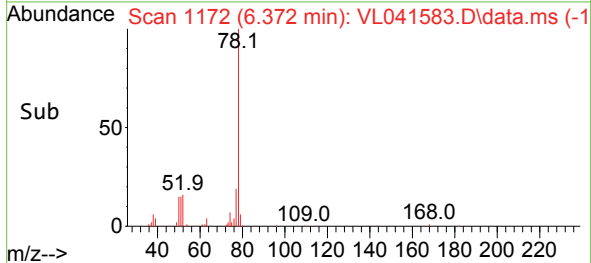
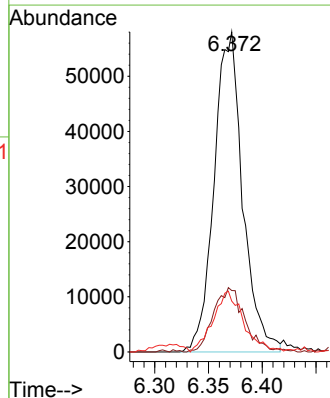
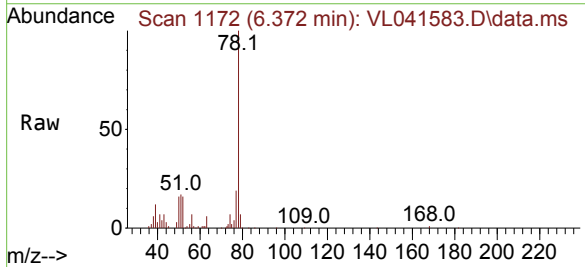
Instrument :
MSVOA_L
ClientSampleId :

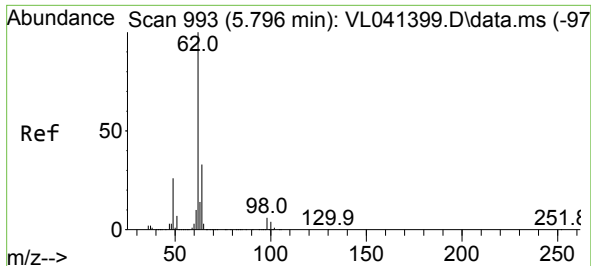
Tgt Ion: 43 Resp: 596142
Ion Ratio Lower Upper
43 100
72 22.5 17.3 25.9



#36
Benzene
Concen: 0.572 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 78 Resp: 107090
Ion Ratio Lower Upper
78 100
77 18.7 18.1 27.1
50 14.8 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 1.263 ppbv

RT: 5.809 min Scan# 993

Delta R.T. 0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

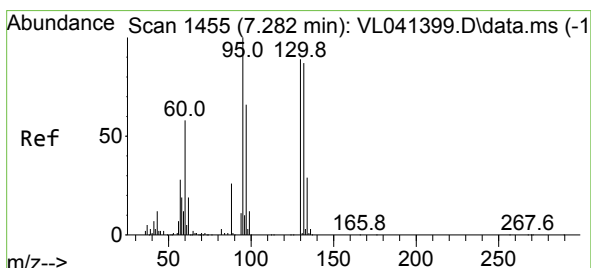
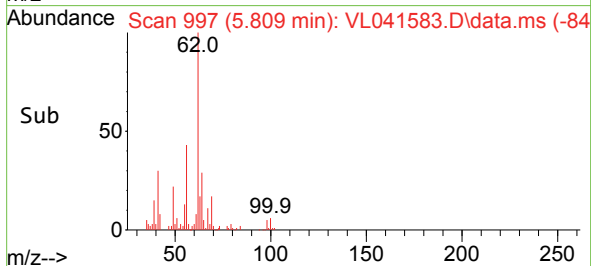
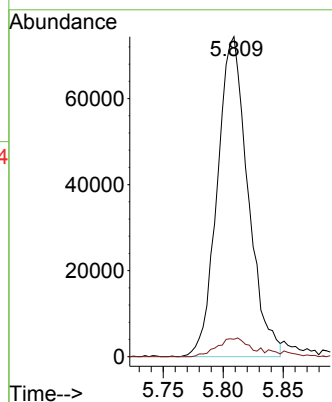
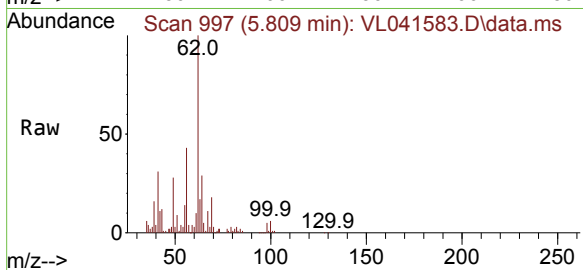
ClientSampleId :

Tgt Ion: 62 Resp: 132247

Ion Ratio Lower Upper

62 100

98 7.7 5.0 7.4#



#38

Trichloroethene

Concen: 0.046 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.000 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Tgt Ion:130 Resp: 3916

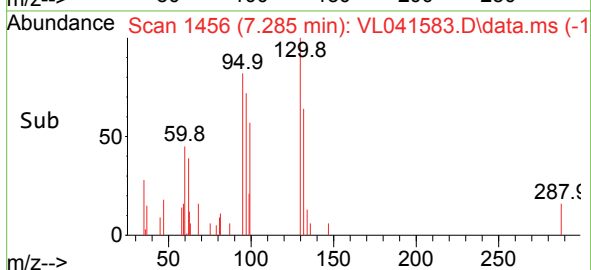
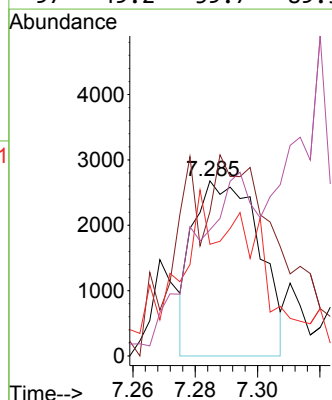
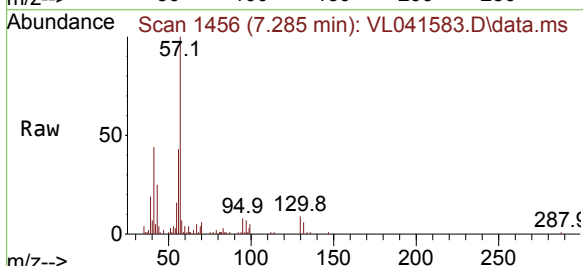
Ion Ratio Lower Upper

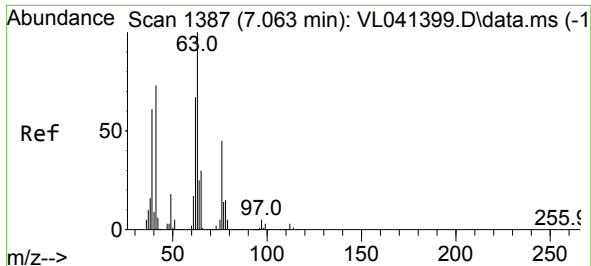
130 100

95 13.2 90.2 135.2#

132 47.4 78.1 117.1#

97 49.2 59.7 89.5#





#39

1,2-Dichloropropane

Concen: 8.793 ppbv

RT: 6.648 min Scan# 1

Delta R.T. -0.421 min

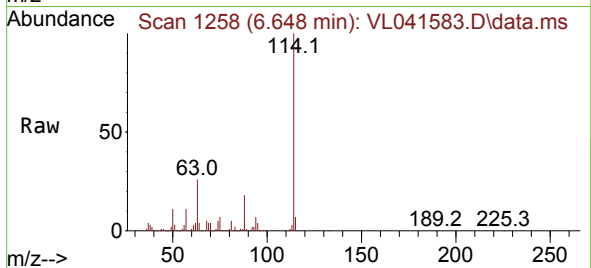
Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :



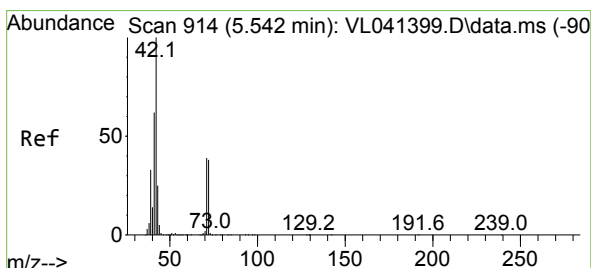
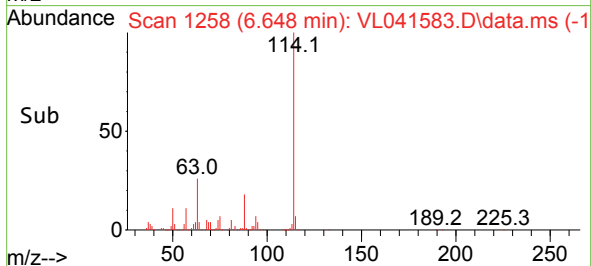
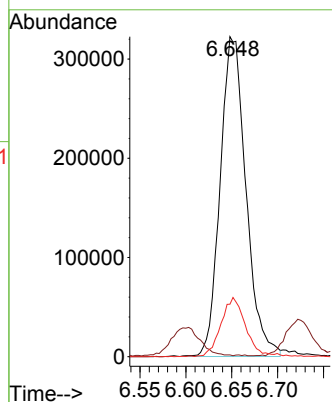
Tgt Ion: 63 Resp: 629992

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 16.3 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.244 ppbv

RT: 5.565 min Scan# 921

Delta R.T. 0.006 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

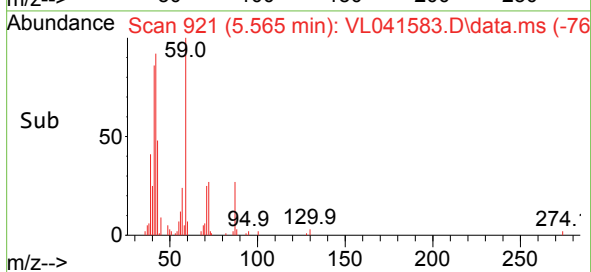
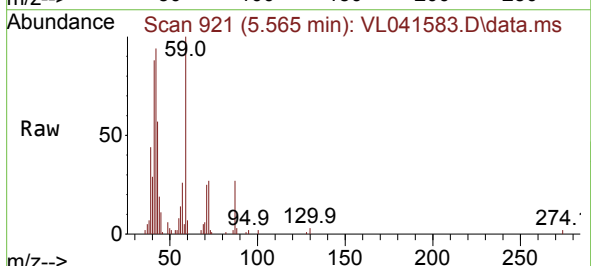
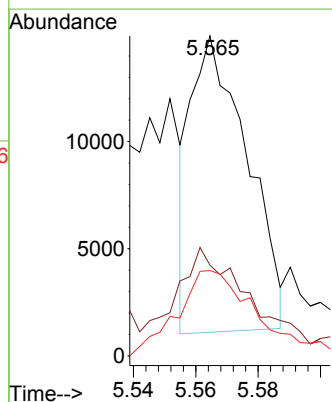
Tgt Ion: 42 Resp: 17314

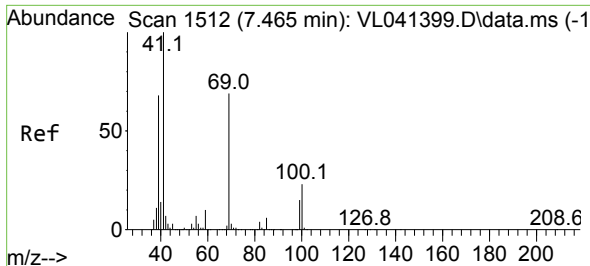
Ion Ratio Lower Upper

42 100

72 66.2 31.2 46.8#

71 42.7 30.5 45.7

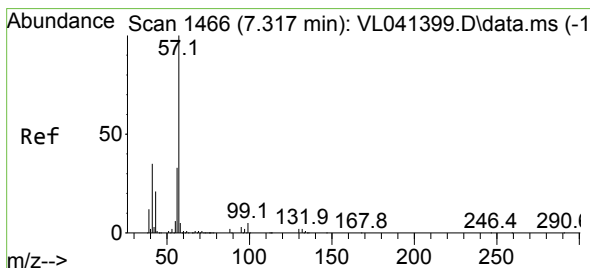
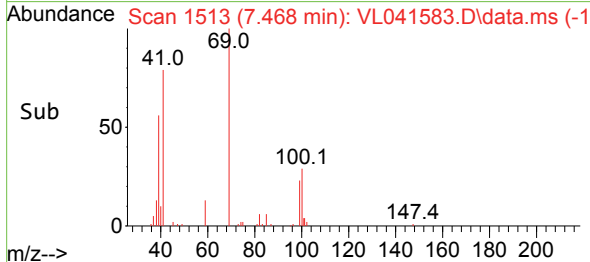
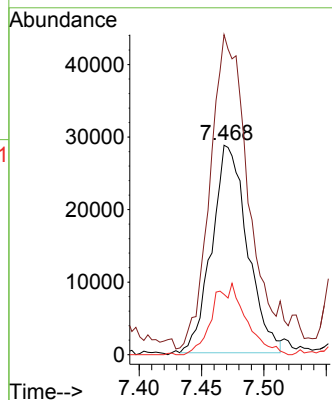
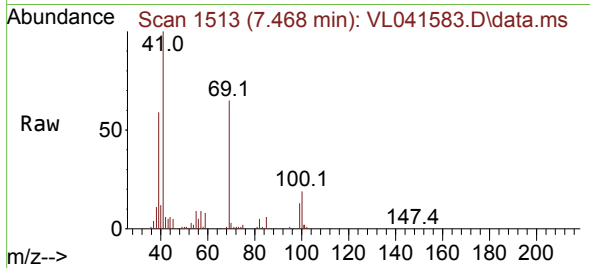




#43
Methyl Methacrylate
Concen: 0.847 ppbv
RT: 7.468 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

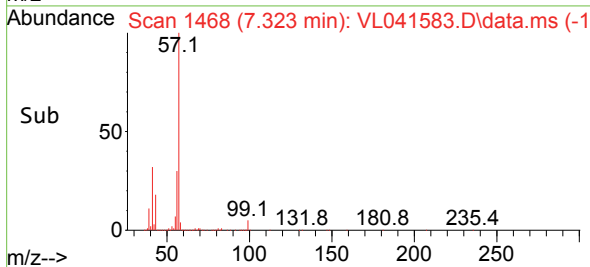
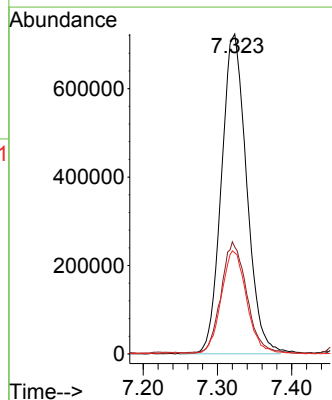
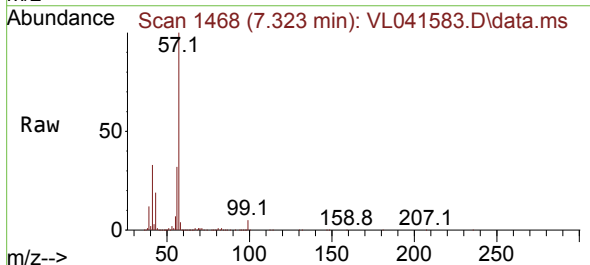
Instrument :
MSVOA_L
ClientSampleId :

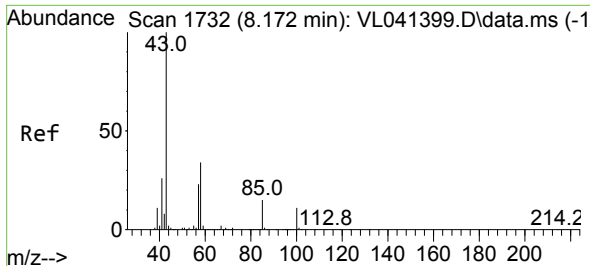
Tgt Ion: 69 Resp: 56845
Ion Ratio Lower Upper
69 100
41 162.4 118.7 178.1
100 32.8 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 5.440 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

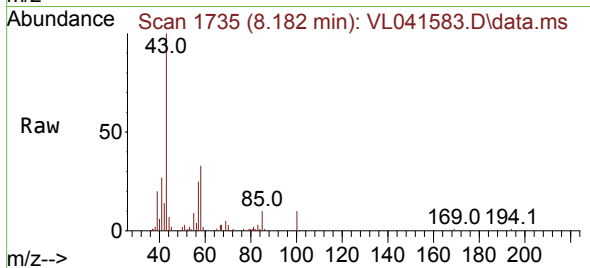
Tgt Ion: 57 Resp: 1700294
Ion Ratio Lower Upper
57 100
41 35.4 27.0 40.6
56 32.5 25.2 37.8



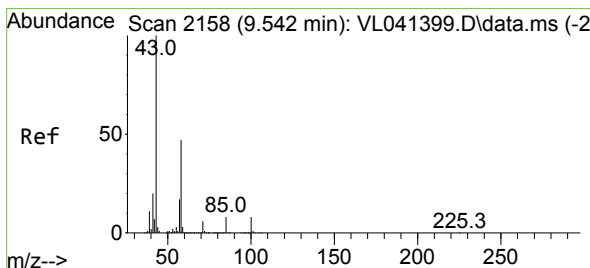
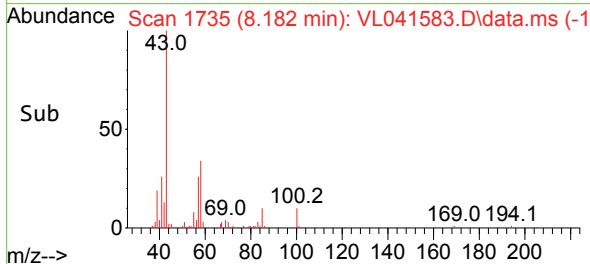
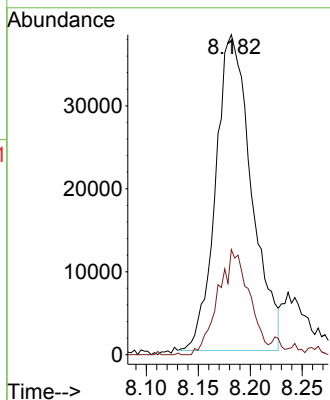


#50
4-Methyl-2-Pentanone
Concen: 0.468 ppbv
RT: 8.182 min Scan# 1735
Delta R.T. 0.009 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Instrument :
MSVOA_L
ClientSampleId :

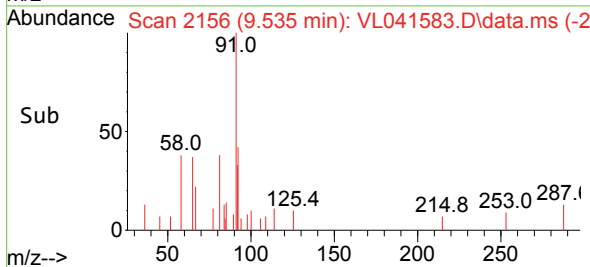
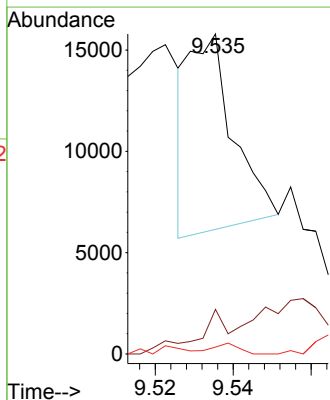
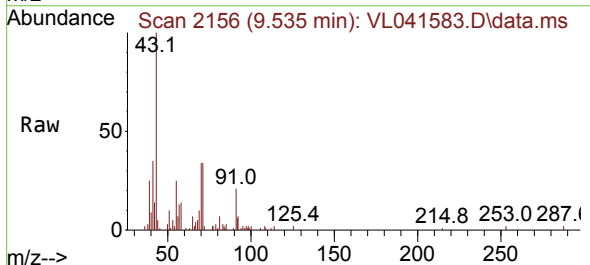


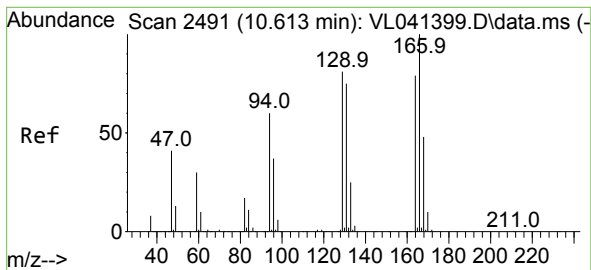
Tgt Ion: 43 Resp: 91510
Ion Ratio Lower Upper
43 100
58 31.0 27.9 41.9



#51
2-Hexanone
Concen: 0.052 ppbv
RT: 9.535 min Scan# 2156
Delta R.T. -0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 43 Resp: 7708
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 7.6 0.3 0.5#





#52

Tetrachloroethene

Concen: 1.710 ppbv

RT: 10.606 min Scan# 2491

Delta R.T. -0.000 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:164 Resp: 123619

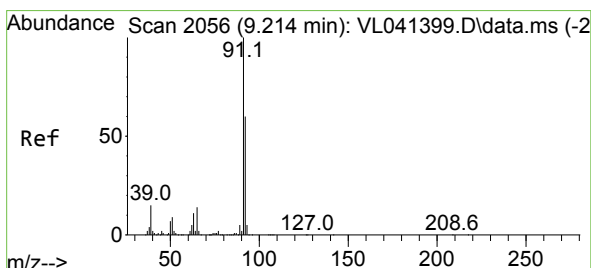
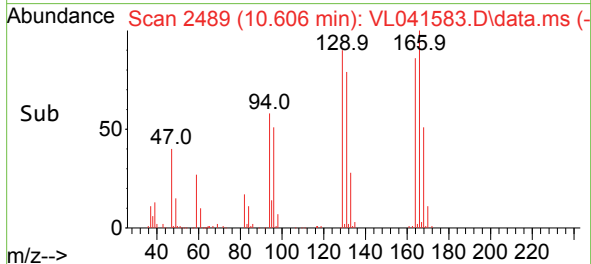
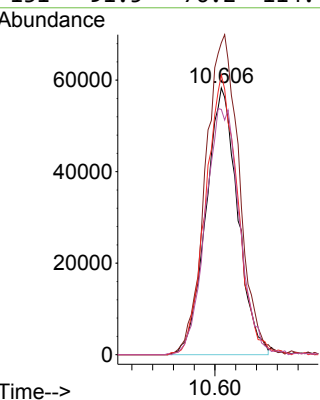
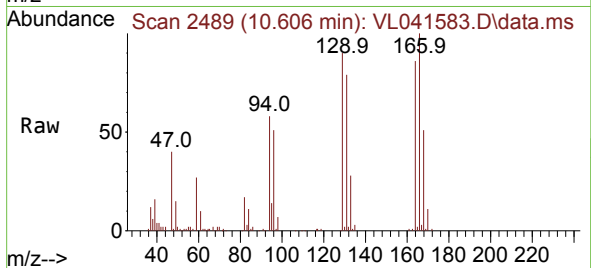
Ion Ratio Lower Upper

164 100

166 116.9 101.1 151.7

129 104.9 81.7 122.5

131 91.5 76.2 114.4



#53

Toluene

Concen: 50.613 ppbv

RT: 9.217 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VL041583.D

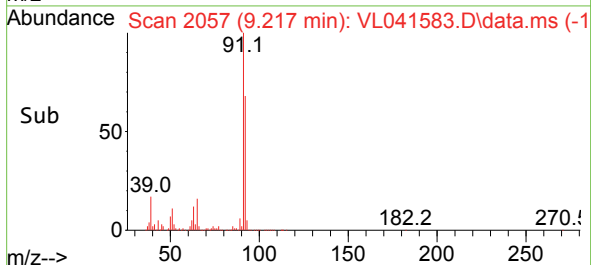
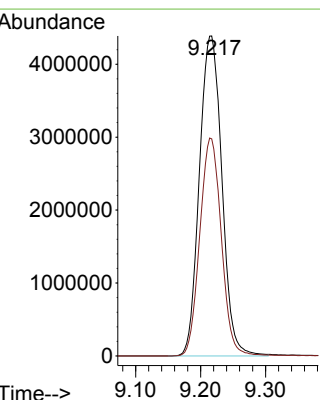
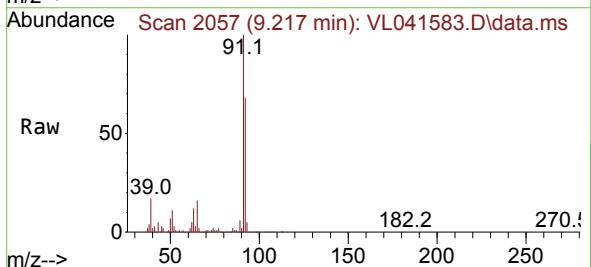
Acq: 22 Aug 2024 12:14

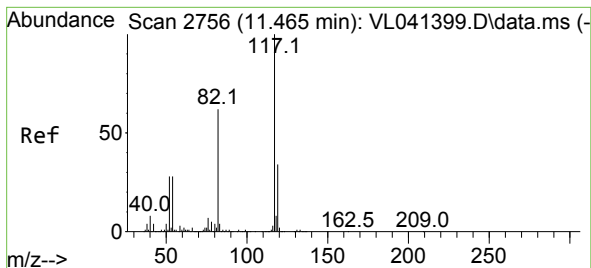
Tgt Ion: 91 Resp:10549859

Ion Ratio Lower Upper

91 100

92 65.4 48.7 73.1

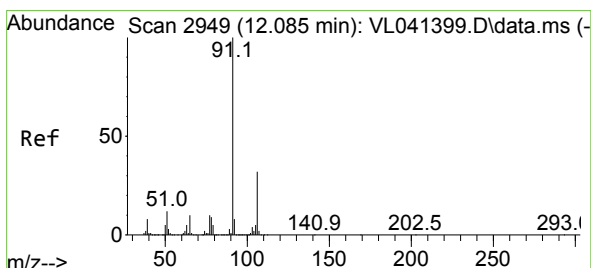
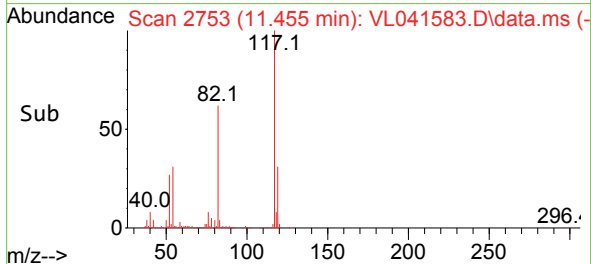
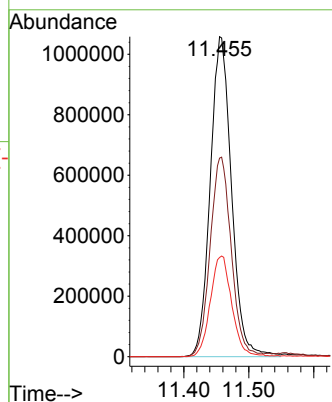
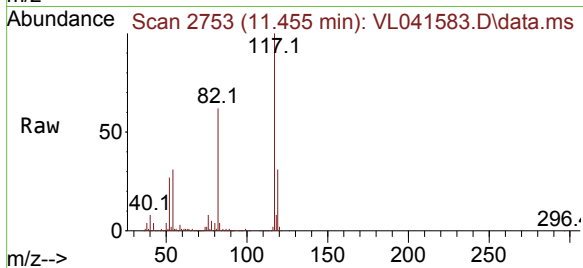




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

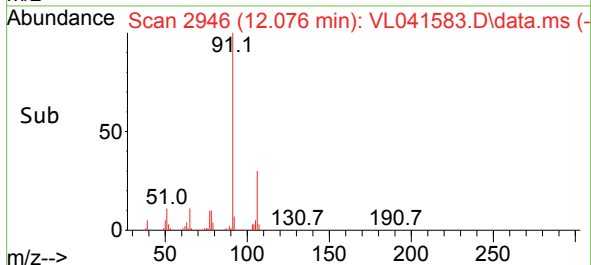
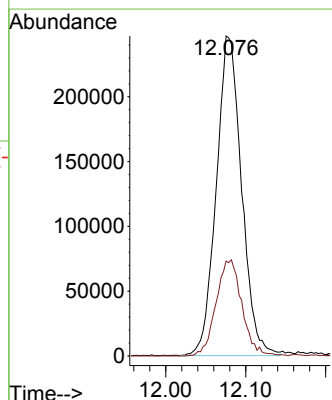
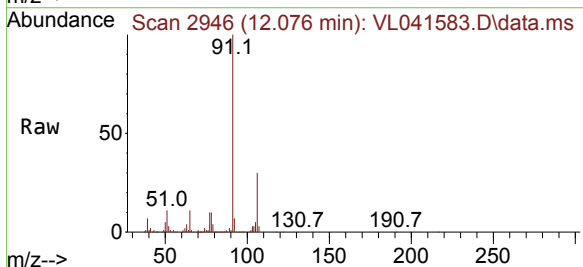
Instrument :
MSVOA_L
ClientSampleId :

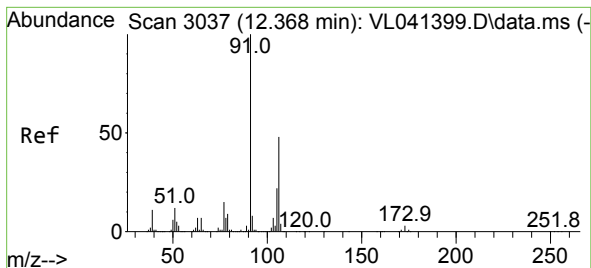
Tgt Ion:117 Resp: 2404218
Ion Ratio Lower Upper
117 100
82 62.7 51.0 76.6
119 32.0 45.2 67.8#



#58
Ethyl Benzene
Concen: 1.955 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.000 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 91 Resp: 541872
Ion Ratio Lower Upper
91 100
106 29.7 25.8 38.8

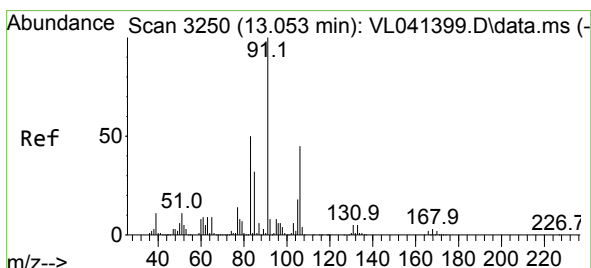
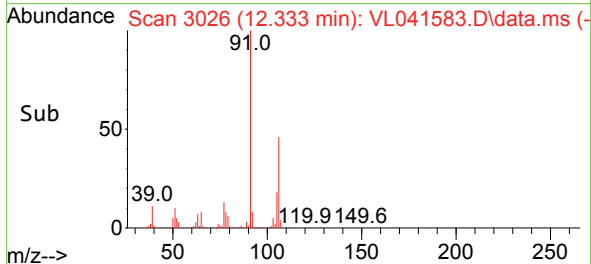
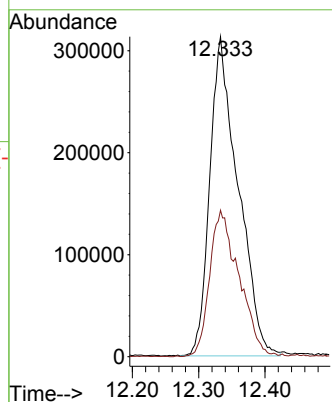
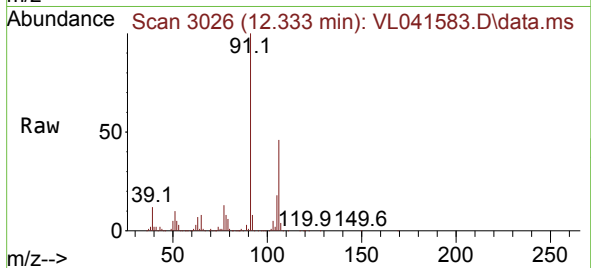




#59
m/p-Xylene
Concen: 3.874 ppbv
RT: 12.333 min Scan# 3037
Delta R.T. -0.026 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

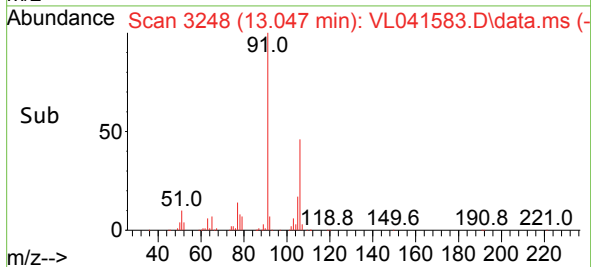
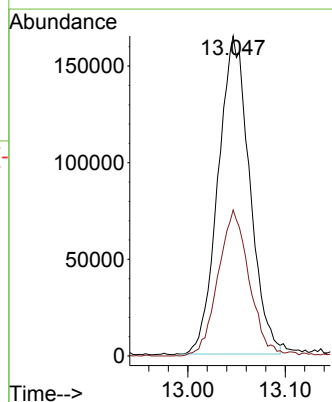
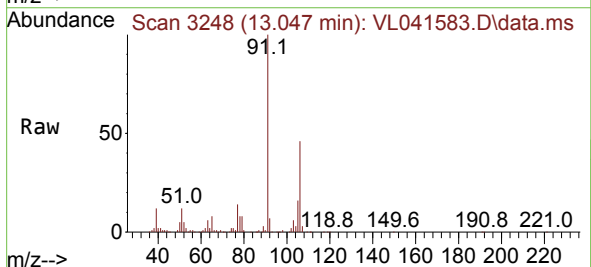
Instrument :
MSVOA_L
ClientSampleId :

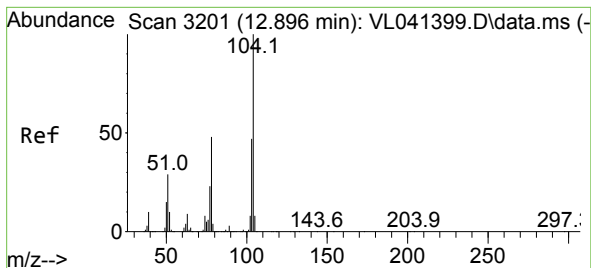
Tgt Ion: 91 Resp: 926655
Ion Ratio Lower Upper
91 100
106 48.1 36.3 54.5



#60
o-Xylene
Concen: 1.632 ppbv
RT: 13.047 min Scan# 3248
Delta R.T. -0.000 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Tgt Ion: 91 Resp: 369237
Ion Ratio Lower Upper
91 100
106 46.2 23.1 69.3





#61

Styrene

Concen: 4.100 ppbv

RT: 12.883 min Scan# 3197

Delta R.T. -0.000 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :

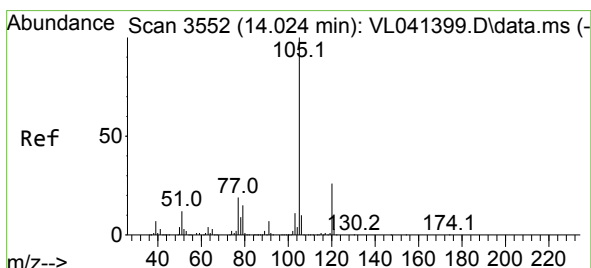
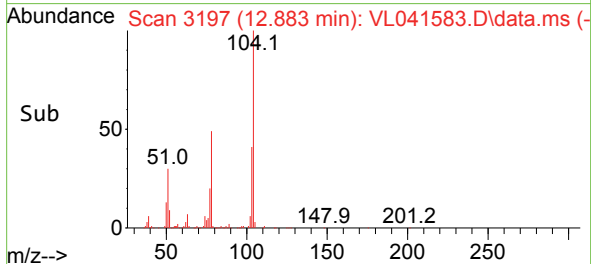
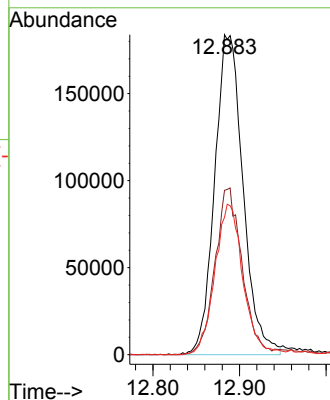
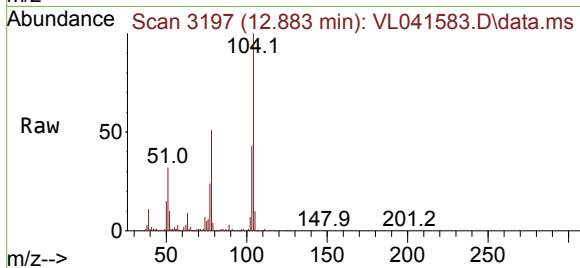
Tgt Ion:104 Resp: 418547

Ion Ratio Lower Upper

104 100

78 51.5 40.8 61.2

103 47.5 38.2 57.4



#62

Isopropylbenzene

Concen: 0.042 ppbv

RT: 14.014 min Scan# 3549

Delta R.T. -0.000 min

Lab File: VL041583.D

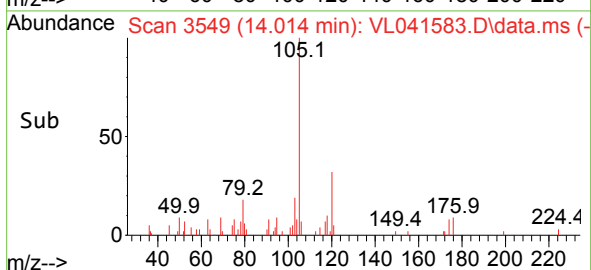
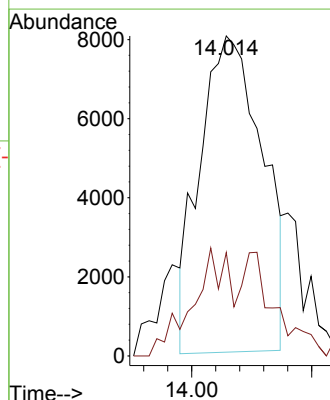
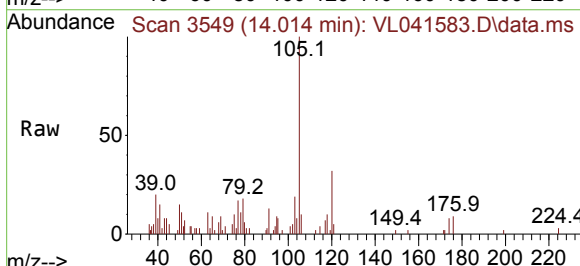
Acq: 22 Aug 2024 12:14

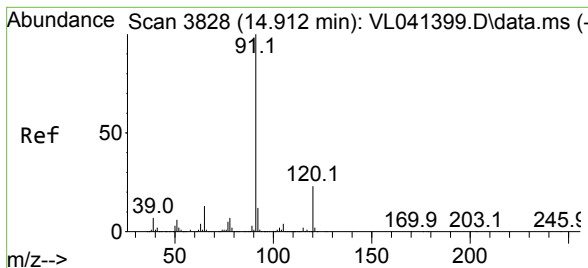
Tgt Ion:105 Resp: 14462

Ion Ratio Lower Upper

105 100

120 39.6 21.0 31.4#





#64

n-propylbenzene

Concen: 0.039 ppbv

RT: 15.111 min Scan# 3890

Delta R.T. 0.209 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

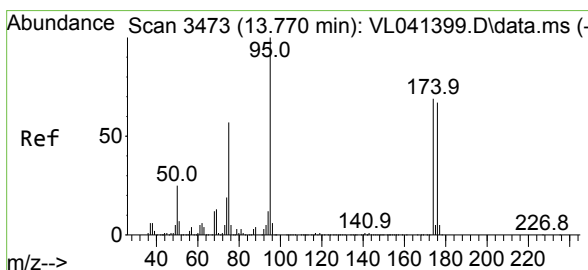
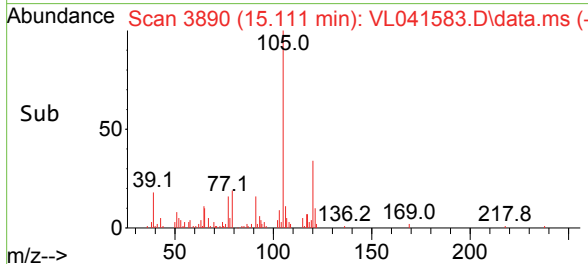
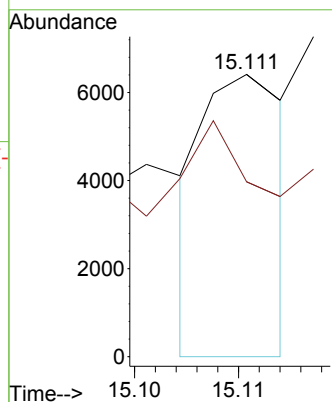
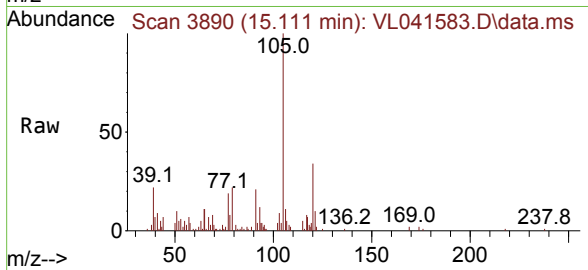
ClientSampleId :

Tgt Ion:120 Resp: 3515

Ion Ratio Lower Upper

120 100

91 371.4 361.4 542.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.795 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.000 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

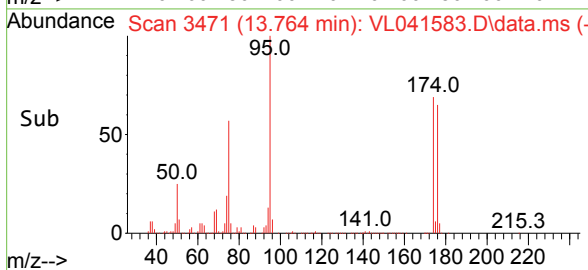
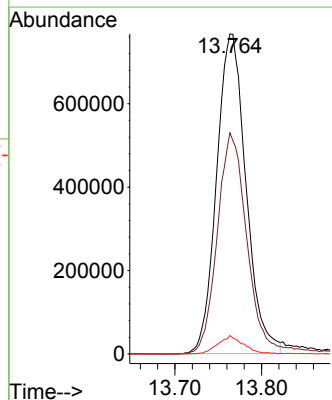
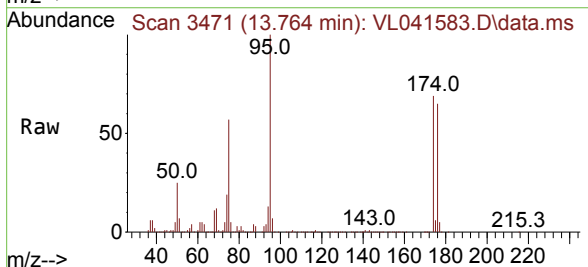
Tgt Ion: 95 Resp: 1812291

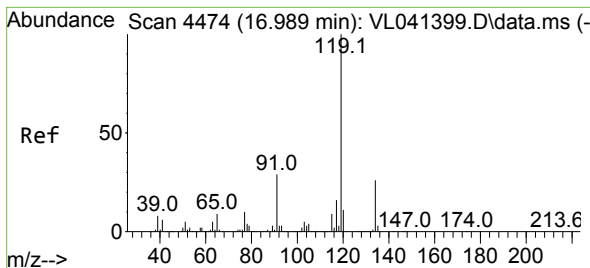
Ion Ratio Lower Upper

95 100

174 71.6 56.3 84.5

175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.089 ppbv

RT: 16.979 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :

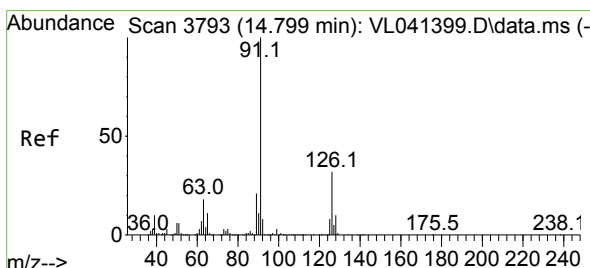
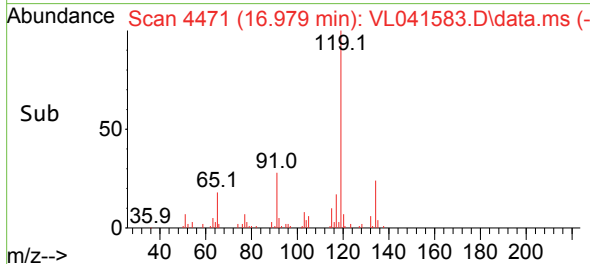
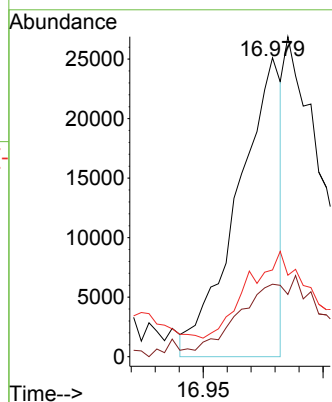
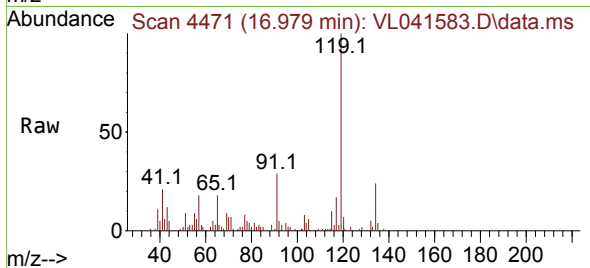
Tgt Ion:119 Resp: 31722

Ion Ratio Lower Upper

119 100

134 0.0 20.5 30.7#

91 0.0 23.2 34.8#



#71

2-Chlorotoluene

Concen: 0.042 ppbv

RT: 14.895 min Scan# 3823

Delta R.T. 0.109 min

Lab File: VL041583.D

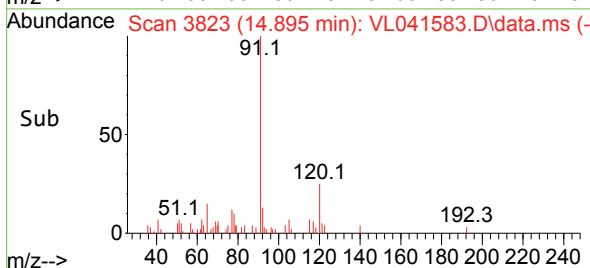
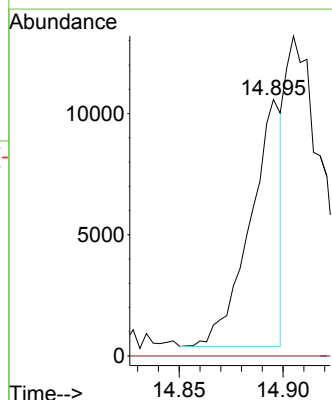
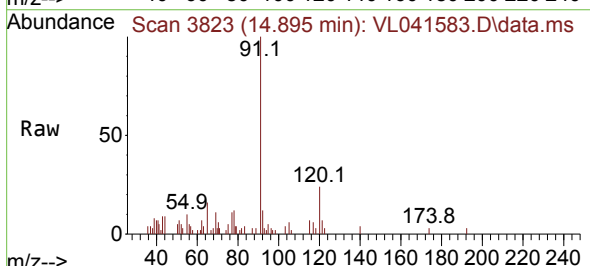
Acq: 22 Aug 2024 12:14

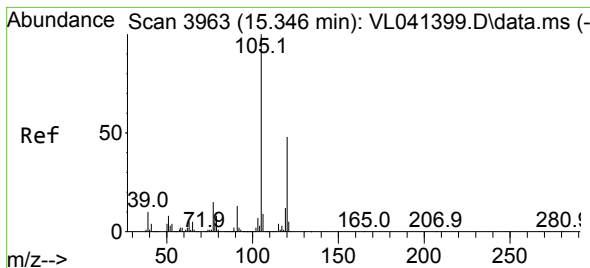
Tgt Ion: 91 Resp: 10745

Ion Ratio Lower Upper

91 100

126 1.0 12.7 50.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.040 ppbv

RT: 15.333 min Scan# 3963

Delta R.T. -0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Instrument :

MSVOA_L

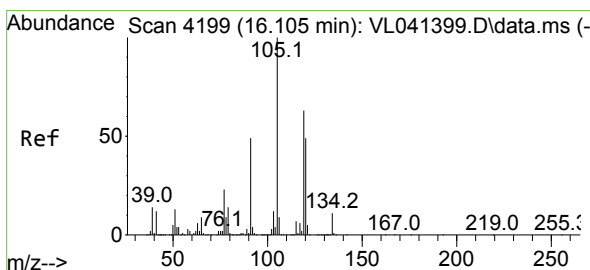
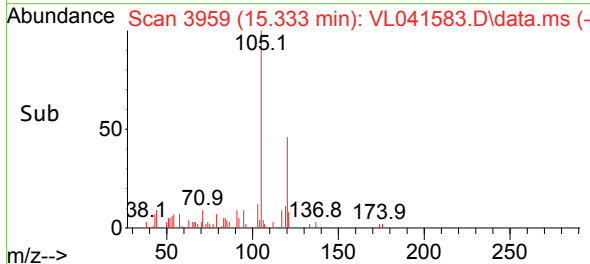
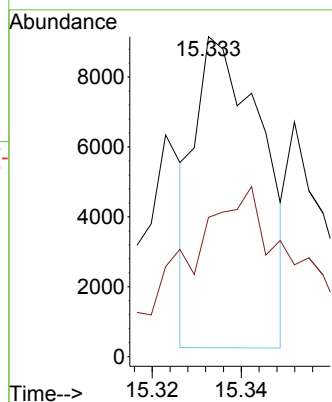
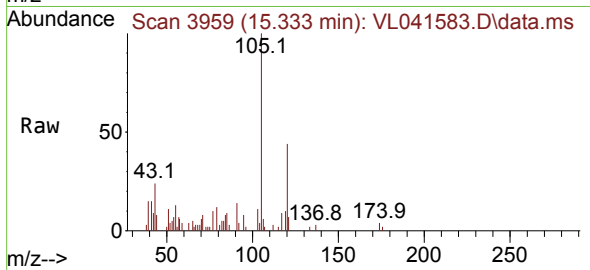
ClientSampleId :

Tgt Ion:105 Resp: 9191

Ion Ratio Lower Upper

105 100

120 19.2 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.135 ppbv

RT: 16.091 min Scan# 4195

Delta R.T. -0.003 min

Lab File: VL041583.D

Acq: 22 Aug 2024 12:14

Tgt Ion:105 Resp: 36117

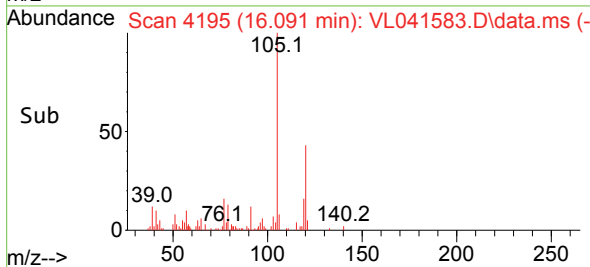
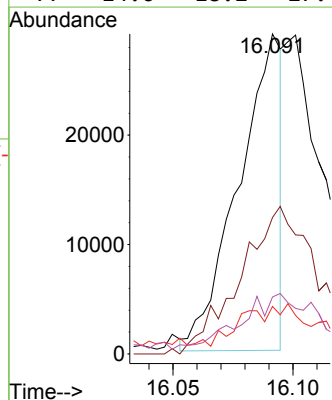
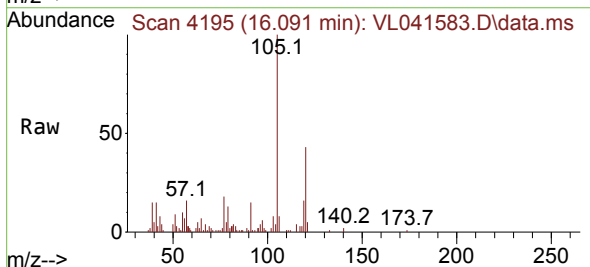
Ion Ratio Lower Upper

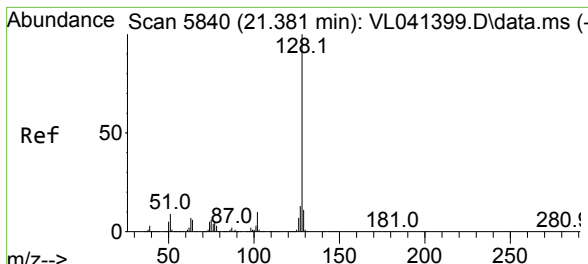
105 100

120 44.7 39.5 59.3

91 10.4 39.8 59.8#

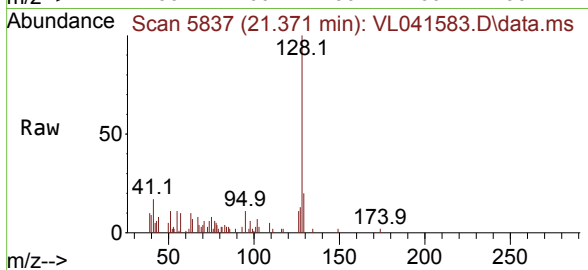
77 14.6 18.2 27.4#





#79
Naphthalene
Concen: 0.035 ppbv
RT: 21.371 min Scan# 5837
Delta R.T. 0.003 min
Lab File: VL041583.D
Acq: 22 Aug 2024 12:14

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:	128	Resp:	8285
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.3	15.5
129	35.5	9.0	13.4

