

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
 Data File : VL041564.D
 Acq On : 21 Aug 2024 12:28
 Operator : SY/MD
 Sample : P3679-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 22 01:10:40 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 : Thu Aug 22 01:05:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1003005	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2648582	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2459386	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1934613	10.222	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.745	85	35238	0.204	ppbv	98
3) Chlorodifluoromethane	2.668	51	233421	1.955	ppbv #	74
4) Chloromethane	2.829	50	51434	0.810	ppbv	91
6) Bromomethane	3.131	94	4350	0.135	ppbv	95
7) Chloroethane	3.205	64	655	0.030	ppbv	98
9) Propene	2.719	41	64525	1.176	ppbv #	82
10) Heptane	7.578	43	64574	0.524	ppbv	94
11) Trichlorofluoromethane	3.571	101	87715	0.572	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.076	101	7297	0.066	ppbv	93
13) Ethanol	3.263	45	12144736	2477.269	ppbv	90
15) Acetone	3.475	43	3926829	34.457	ppbv	99
16) 1,3-Butadiene	2.980	39	33005	0.542	ppbv #	10
17) tert-Butyl alcohol	3.909	59	78076	0.751	ppbv #	72
19) Isopropyl Alcohol	3.600	45	1575112	23.641	ppbv	100
20) Methylene Chloride	3.944	84	52021	1.224	ppbv	96
21) Allyl Chloride	3.960	41	14036	0.188	ppbv #	28
23) Vinyl Acetate	4.623	43	230538	2.649	ppbv #	70
25) Ethyl Acetate	5.208	43	240068	1.060	ppbv #	95
26) Hexane	5.214	57	142846	1.521	ppbv #	69
27) Carbon Disulfide	4.131	76	8176	0.074	ppbv #	1
29) Chloroform	5.279	83	388916	2.539	ppbv	96
30) Cyclohexane	6.603	84	4405	0.058	ppbv #	1
31) cis-1,2-Dichloroethene	5.208	61	17297	0.186	ppbv #	25
34) 2-Butanone	4.793	43	321890	2.512	ppbv	98
36) Benzene	6.375	78	105757	0.546	ppbv	96
39) 1,2-Dichloropropane	6.655	63	658639	8.889	ppbv #	24
41) Tetrahydrofuran	5.549	42	27726	0.378	ppbv #	85
42) Bromodichloromethane	7.256	83	7310	0.047	ppbv	87
43) Methyl Methacrylate	7.471	69	5323	0.077	ppbv #	1
44) 2,2,4-Trimethylpentane	7.330	57	77962	0.241	ppbv #	69
50) 4-Methyl-2-Pentanone	8.188	43	61007	0.302	ppbv	99
51) 2-Hexanone	9.552	43	61476	0.402	ppbv #	89
53) Toluene	9.217	91	888654	4.122	ppbv	100
58) Ethyl Benzene	12.085	91	153132	0.540	ppbv	92
59) m/p-Xylene	12.339	91	477828	1.953	ppbv	96
60) o-Xylene	13.056	91	179992	0.778	ppbv	99
61) Styrene	12.892	104	20397	0.195	ppbv #	20
64) n-propylbenzene	14.915	120	3749	0.041	ppbv #	1
65) tert-Butylbenzene	16.101	119	34440	0.108	ppbv #	65
69) p-Isopropyltoluene	16.995	119	19926	0.055	ppbv #	24
72) 4-Ethyltoluene	15.188	105	46960	0.172	ppbv #	53
73) 1,3,5-Trimethylbenzene	15.346	105	64290	0.274	ppbv	88
74) 1,2,4-Trimethylbenzene	16.101	105	299471	1.097	ppbv #	68

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082124\
Data File : VL041564.D
Acq On : 21 Aug 2024 12:28
Operator : SY/MD
Sample : P3679-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

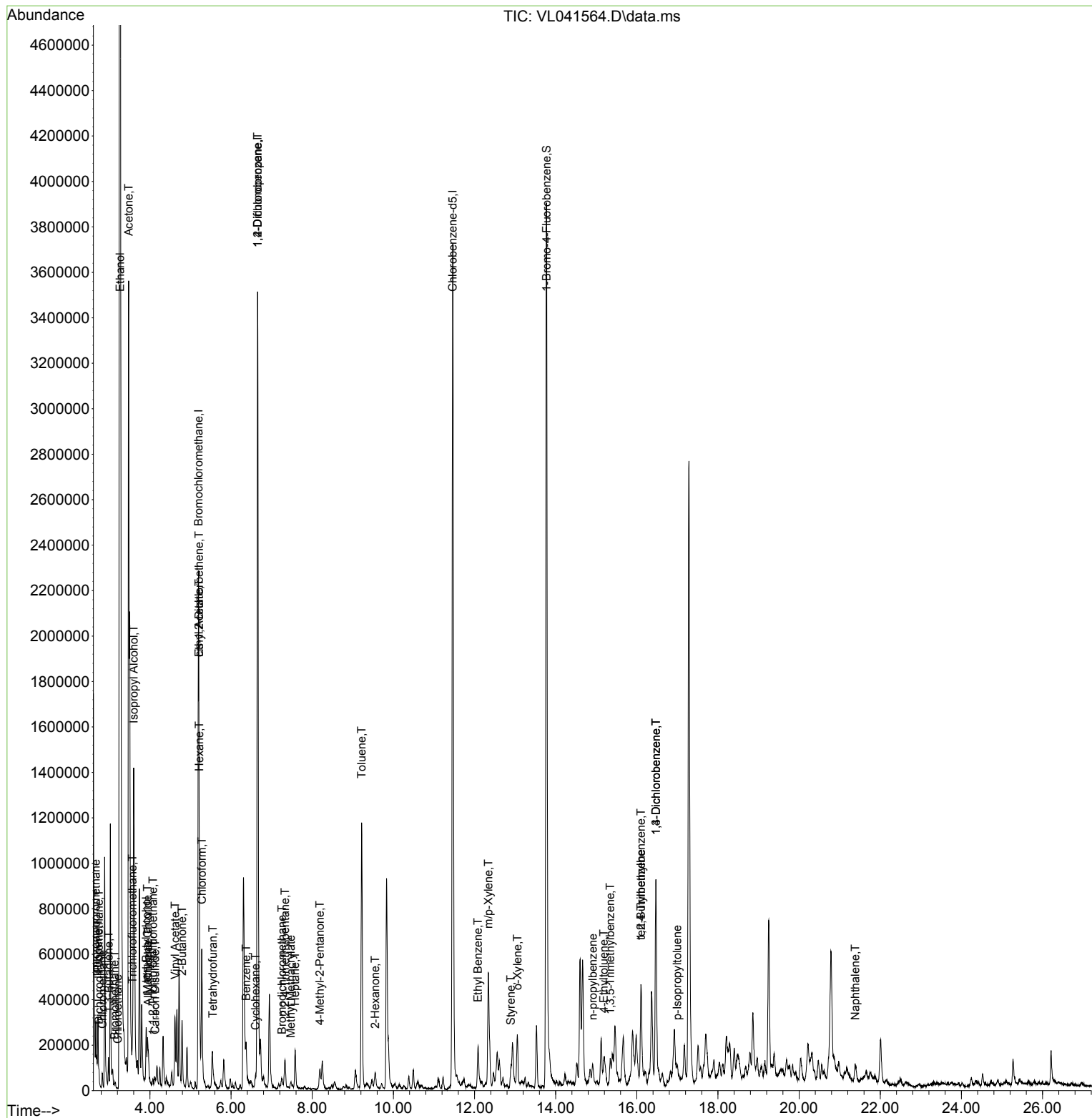
Instrument :
MSVOA_L
ClientSampleId :

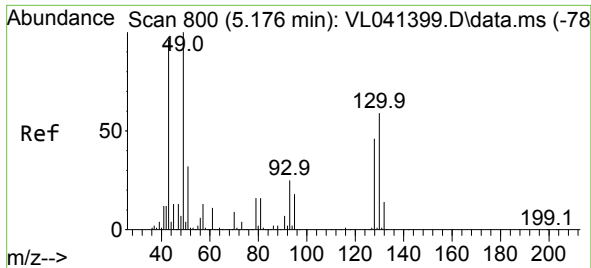
Quant Time: Aug 22 01:10:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Aug 22 01:05:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,3-Dichlorobenzene	16.471	146	114692	0.668	ppbv	91
76) 1,4-Dichlorobenzene	16.471	146	114692	0.690	ppbv	92
79) Naphthalene	21.384	128	36554	0.152	ppbv #	91

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

Quant Time: Aug 22 01:10:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Aug 22 01:05:17 2024
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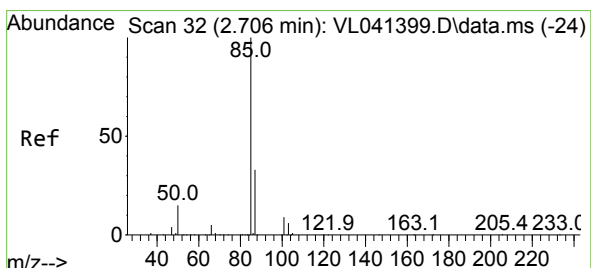
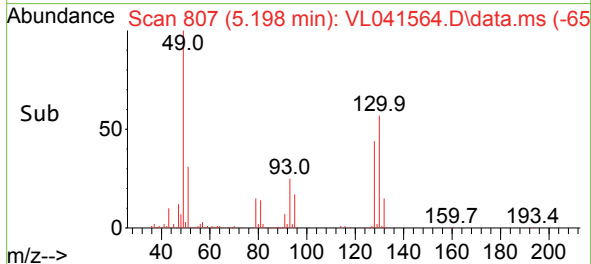
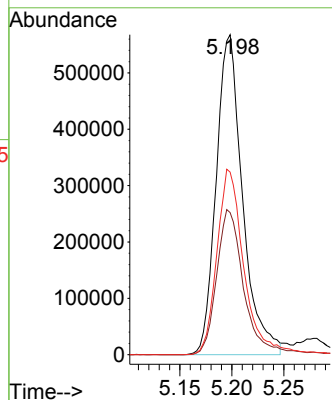
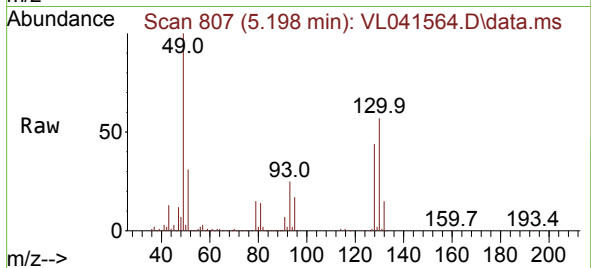




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

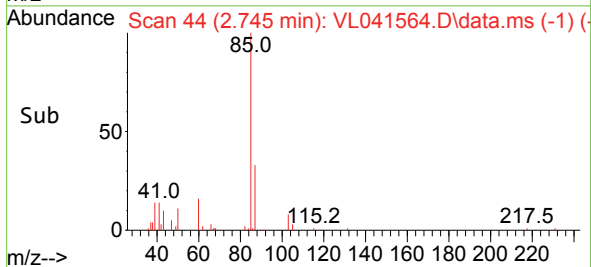
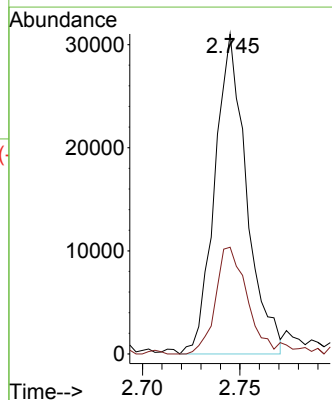
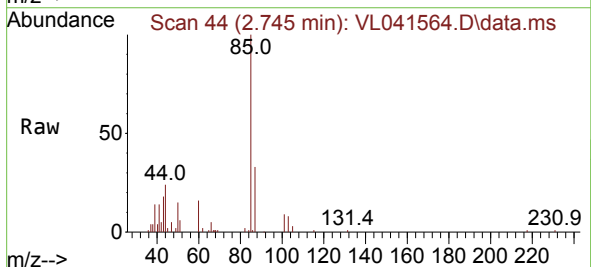
Instrument :
MSVOA_L
ClientSampleId :

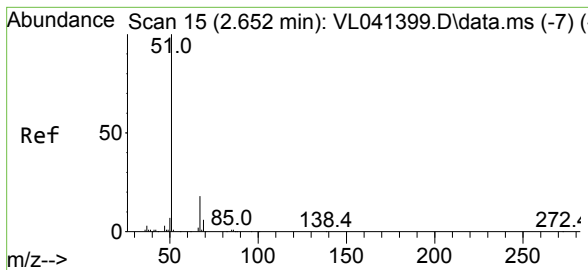
Tgt Ion: 49 Resp: 1003005
Ion Ratio Lower Upper
49 100
128 47.2 23.8 71.4
130 60.3 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.204 ppbv
RT: 2.745 min Scan# 44
Delta R.T. 0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 85 Resp: 35238
Ion Ratio Lower Upper
85 100
87 33.4 26.0 39.0

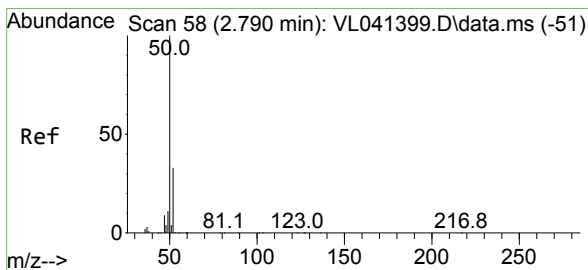
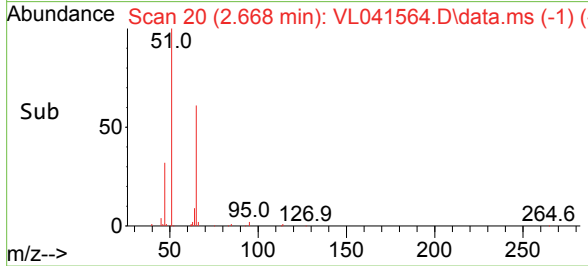
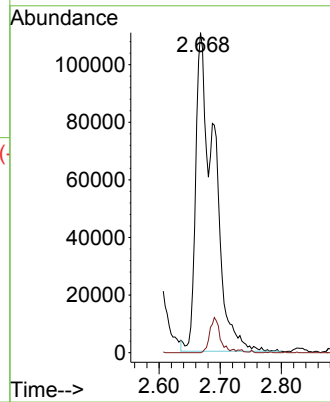
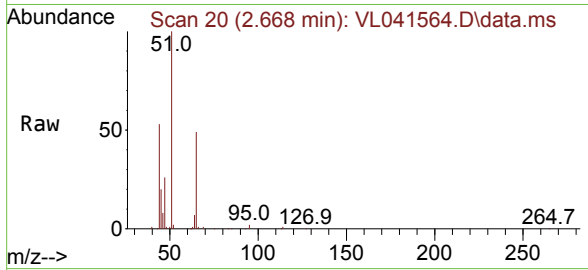




#3
Chlorodifluoromethane
Concen: 1.955 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.019 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

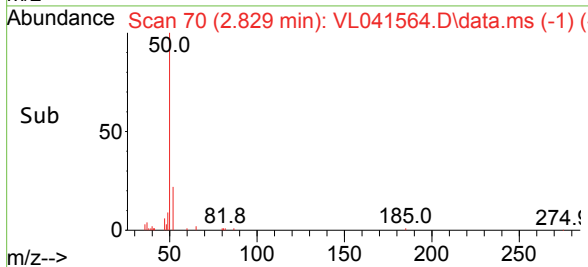
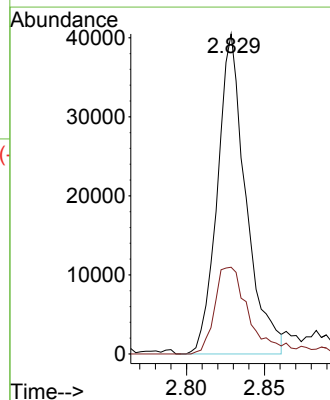
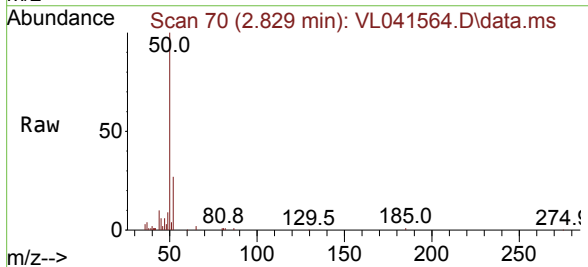
Instrument :
MSVOA_L
ClientSampleId :

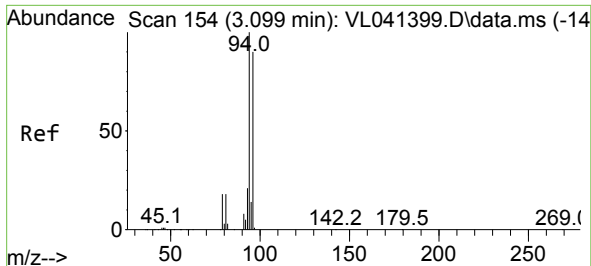
Tgt Ion: 51 Resp: 233421
Ion Ratio Lower Upper
51 100
67 6.7 14.5 21.7#



#4
Chloromethane
Concen: 0.810 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 50 Resp: 51434
Ion Ratio Lower Upper
50 100
52 27.3 26.1 39.1

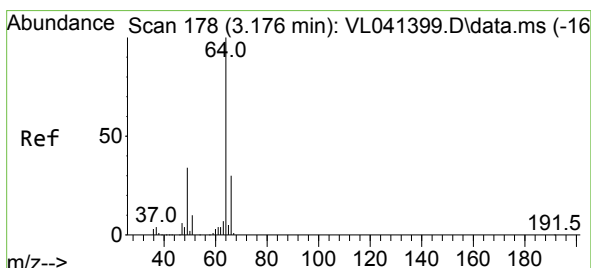
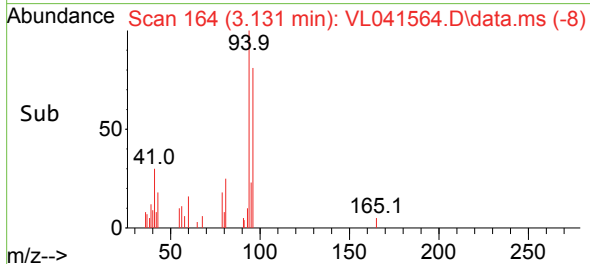
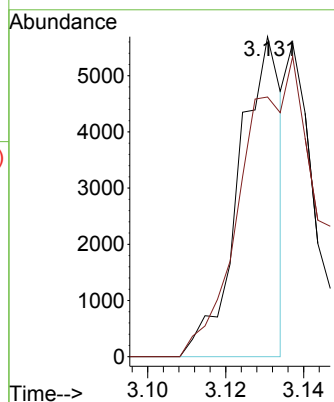
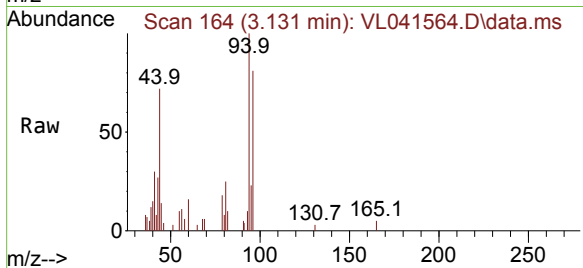




#6
Bromomethane
Concen: 0.135 ppbv
RT: 3.131 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

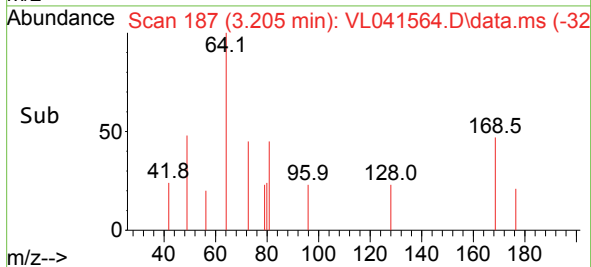
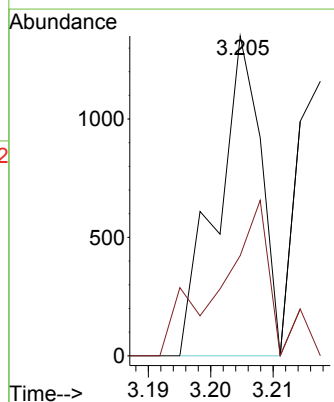
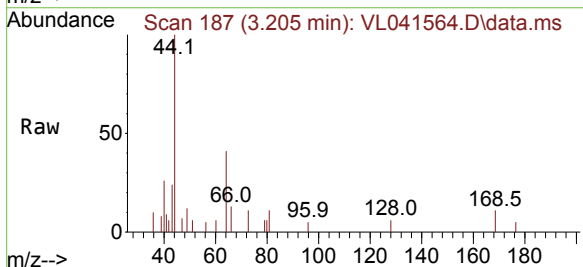
Instrument :
MSVOA_L
ClientSampleId :

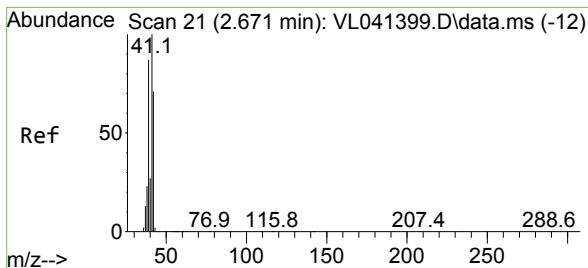
Tgt Ion: 94 Resp: 4350
Ion Ratio Lower Upper
94 100
96 86.1 72.3 108.5



#7
Chloroethane
Concen: 0.030 ppbv
RT: 3.205 min Scan# 187
Delta R.T. -0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 64 Resp: 655
Ion Ratio Lower Upper
64 100
66 31.3 24.2 36.2





#9

Propene

Concen: 1.176 ppbv

RT: 2.719 min Scan# 30

Delta R.T. 0.013 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

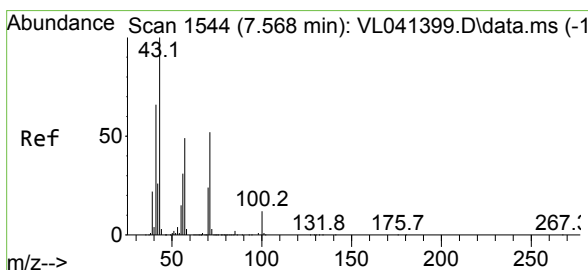
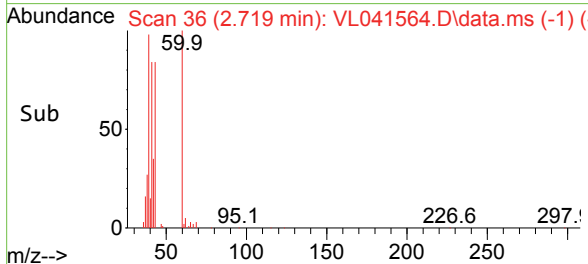
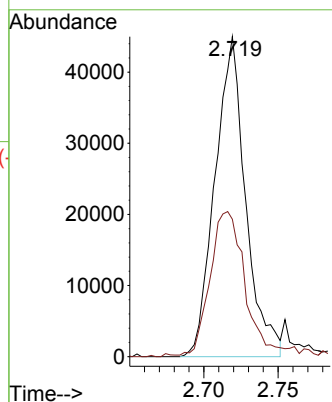
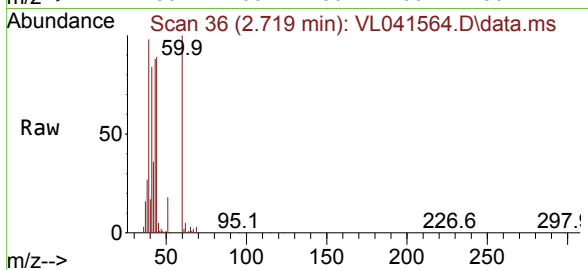
ClientSampleId :

Tgt Ion: 41 Resp: 64525

Ion Ratio Lower Upper

41 100

42 55.5 55.9 83.9#



#10

Heptane

Concen: 0.524 ppbv

RT: 7.578 min Scan# 1547

Delta R.T. -0.003 min

Lab File: VL041564.D

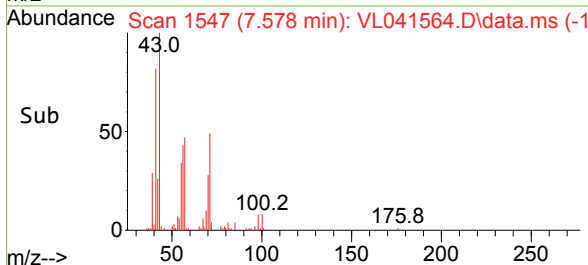
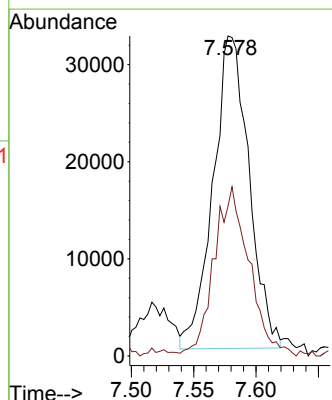
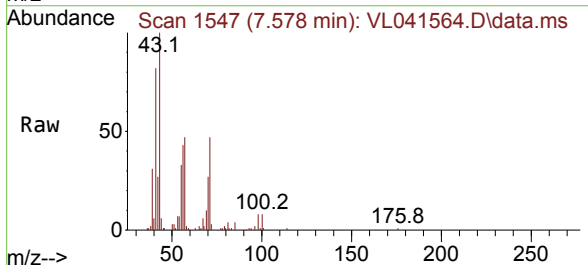
Acq: 21 Aug 2024 12:28

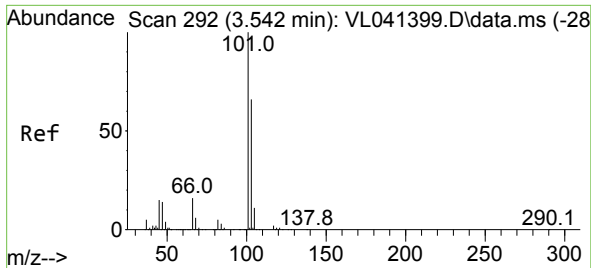
Tgt Ion: 43 Resp: 64574

Ion Ratio Lower Upper

43 100

57 54.8 40.5 60.7

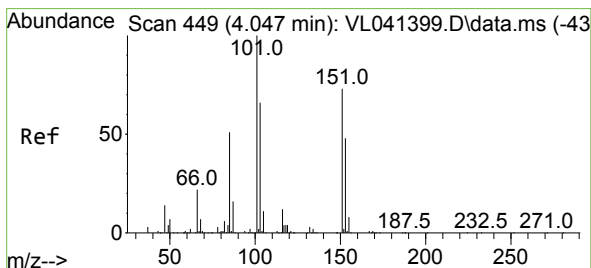
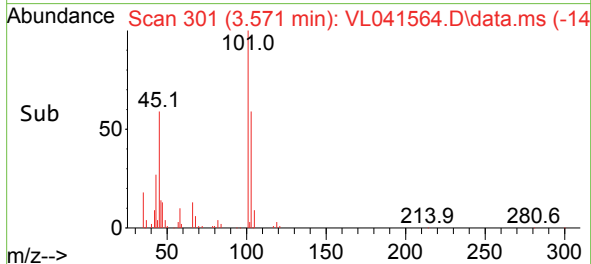
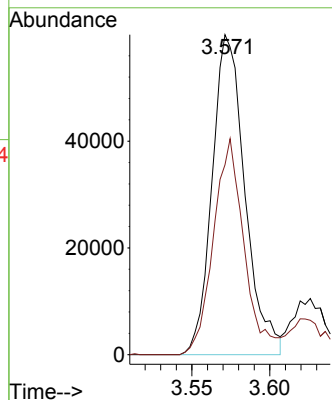
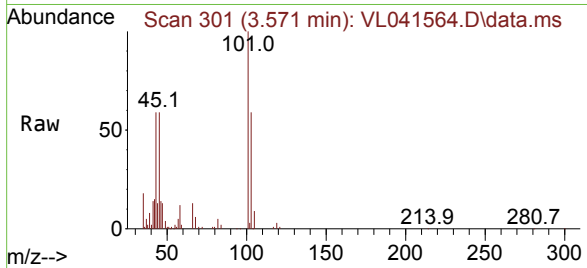




#11
 Trichlorofluoromethane
 Concen: 0.572 ppbv
 RT: 3.571 min Scan# 301
 Delta R.T. -0.000 min
 Lab File: VL041564.D
 Acq: 21 Aug 2024 12:28

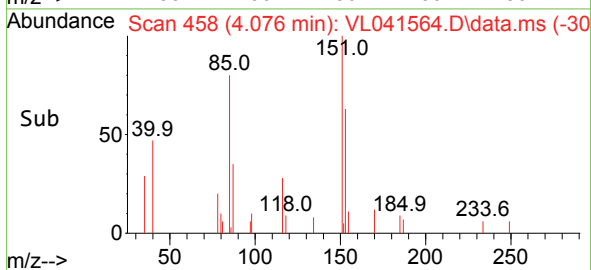
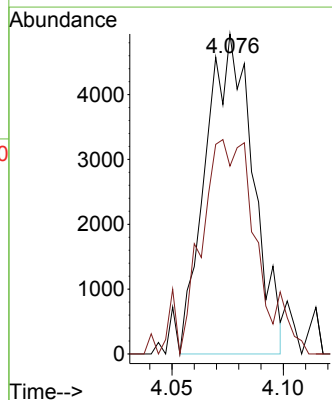
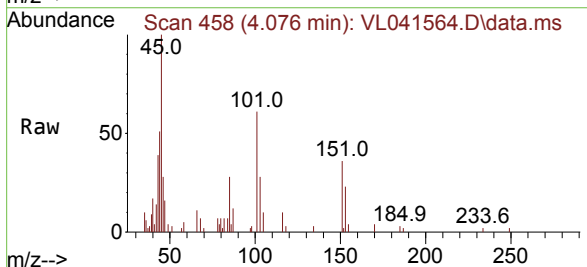
Instrument :
 MSVOA_L
 ClientSampleId :

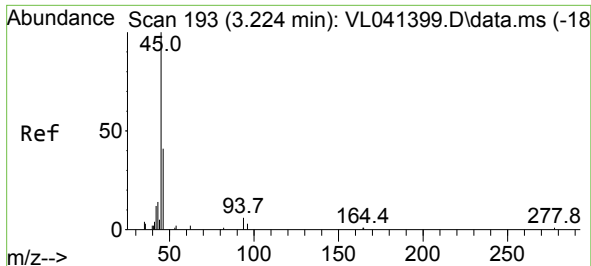
Tgt Ion:101 Resp: 87715
 Ion Ratio Lower Upper
 101 100
 103 59.3 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.066 ppbv
 RT: 4.076 min Scan# 458
 Delta R.T. -0.000 min
 Lab File: VL041564.D
 Acq: 21 Aug 2024 12:28

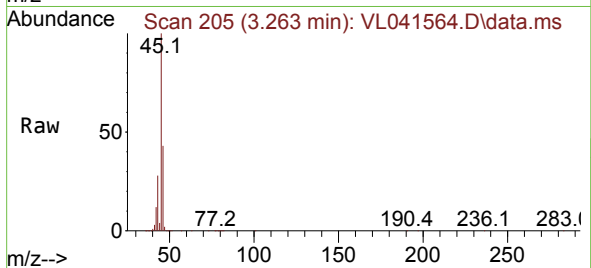
Tgt Ion:101 Resp: 7297
 Ion Ratio Lower Upper
 101 100
 151 80.5 59.4 89.2



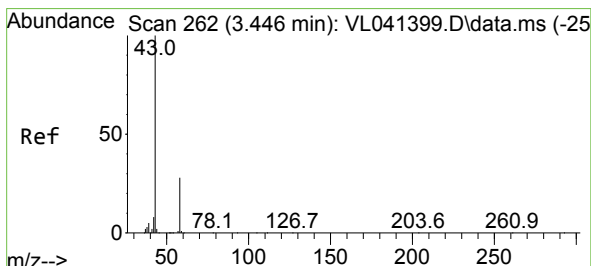
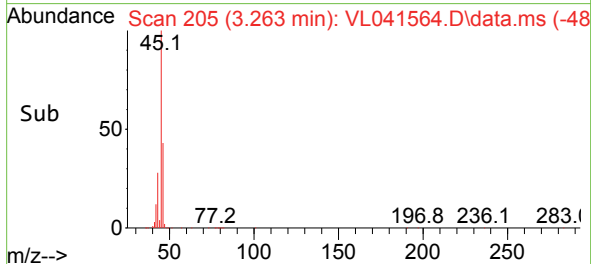
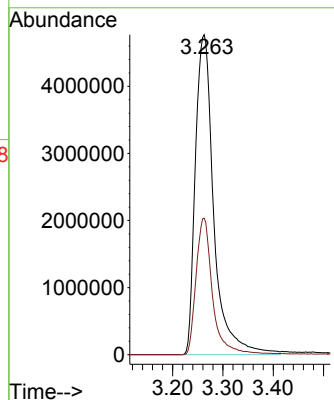


#13
Ethanol
Concen: 2477.269 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Instrument :
MSVOA_L
ClientSampleId :

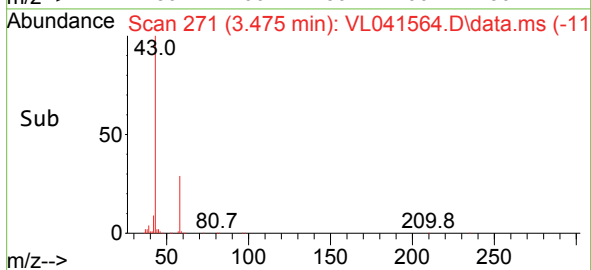
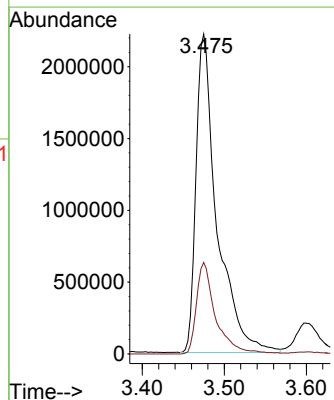
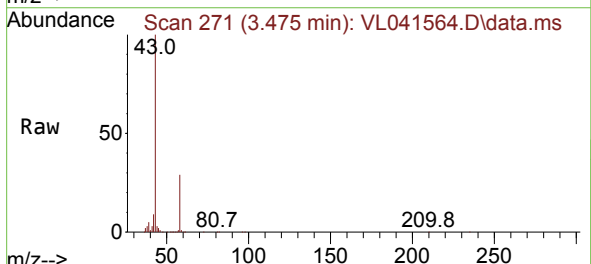


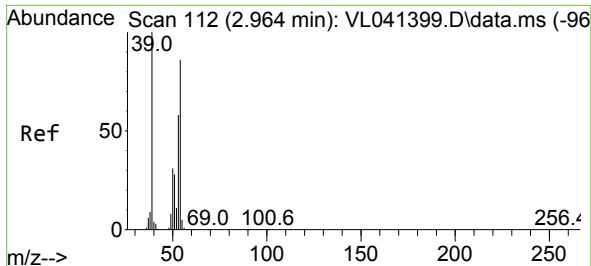
Tgt Ion: 45 Resp:12144736
Ion Ratio Lower Upper
45 100
46 39.2 13.4 53.4



#15
Acetone
Concen: 34.457 ppbv
RT: 3.475 min Scan# 271
Delta R.T. -0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 43 Resp: 3926829
Ion Ratio Lower Upper
43 100
58 26.4 21.4 32.2

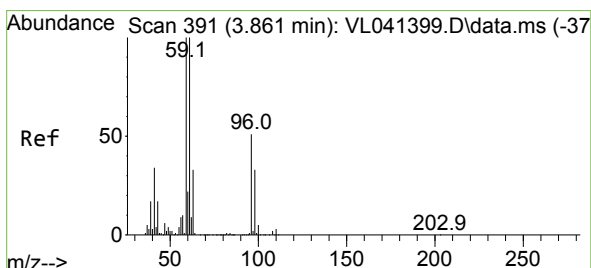
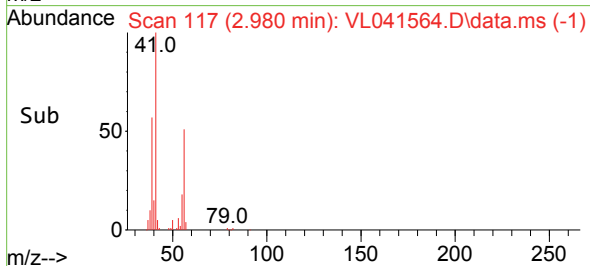
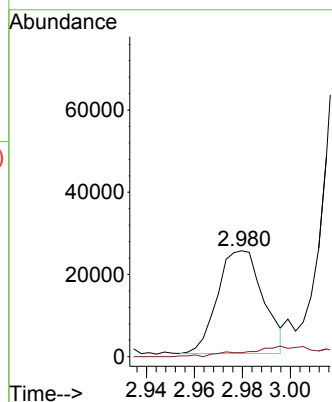
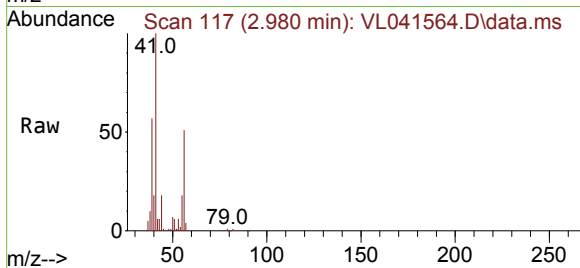




#16
1,3-Butadiene
Concen: 0.542 ppbv
RT: 2.980 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

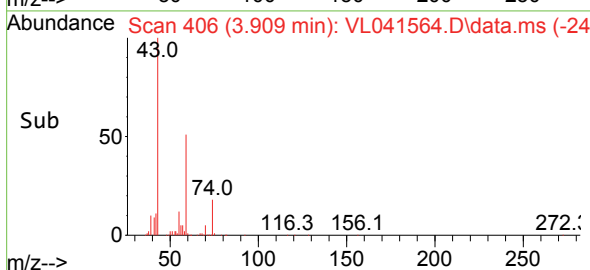
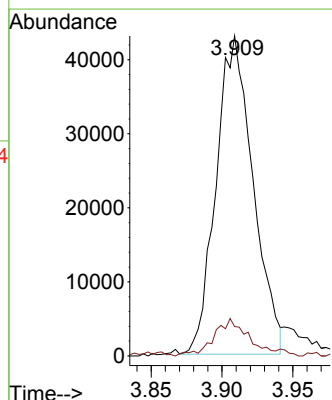
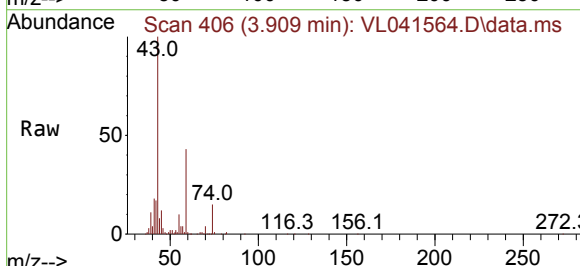
Instrument :
MSVOA_L
ClientSampleId :

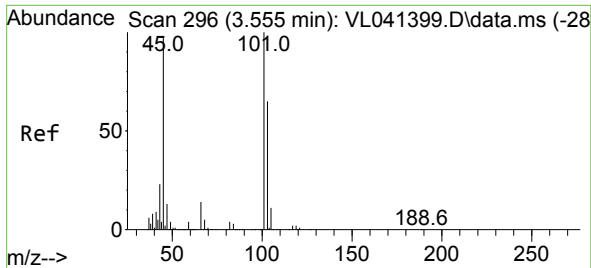
Tgt Ion: 39 Resp: 33005
Ion Ratio Lower Upper
39 100
54 0.0 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.751 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.026 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 59 Resp: 78076
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

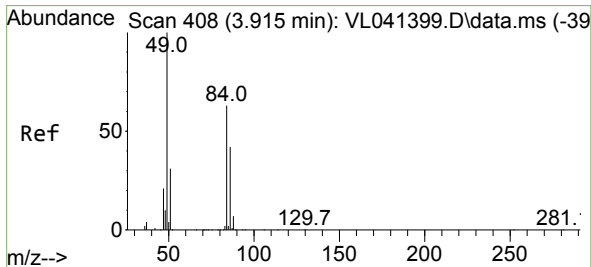
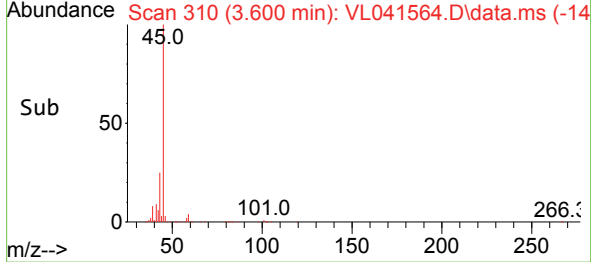
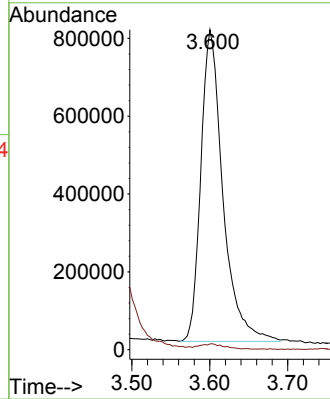
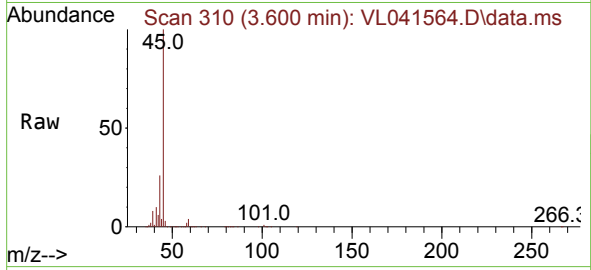




#19
Isopropyl Alcohol
Concen: 23.641 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.016 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

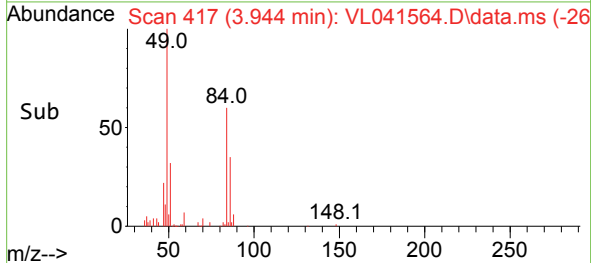
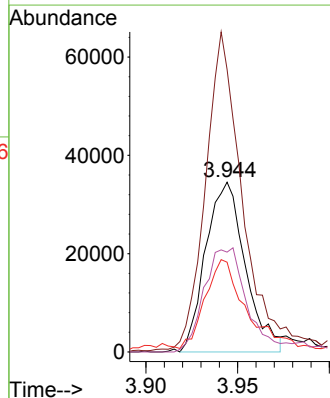
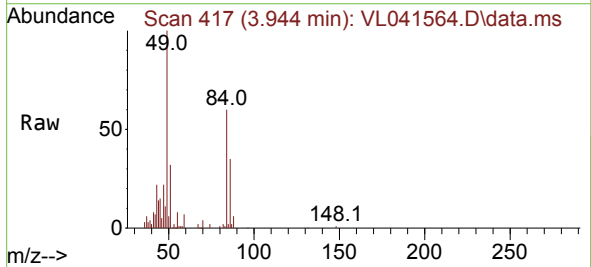
Instrument :
MSVOA_L
ClientSampleId :

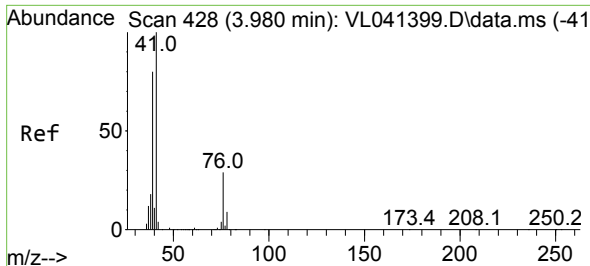
Tgt Ion: 45 Resp: 1575112
Ion Ratio Lower Upper
45 100
58 2.3 1.9 2.9



#20
Methylene Chloride
Concen: 1.224 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 84 Resp: 52021
Ion Ratio Lower Upper
84 100
49 157.7 126.6 190.0
51 50.8 38.6 58.0
86 57.3 53.0 79.4

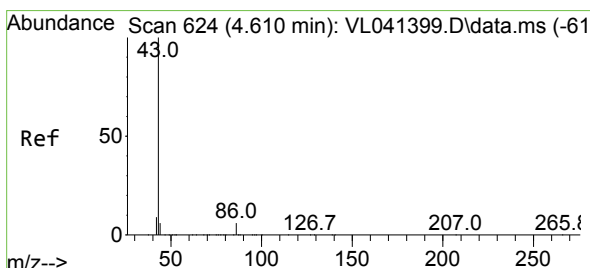
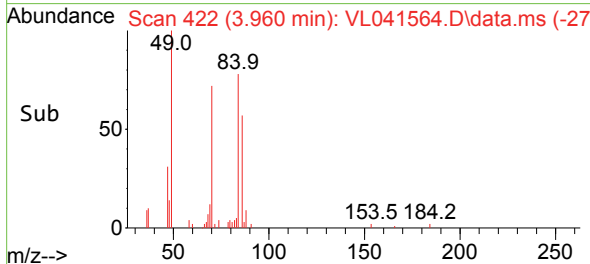
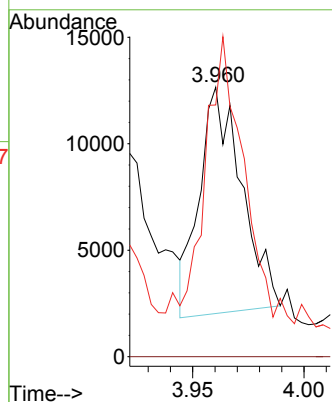
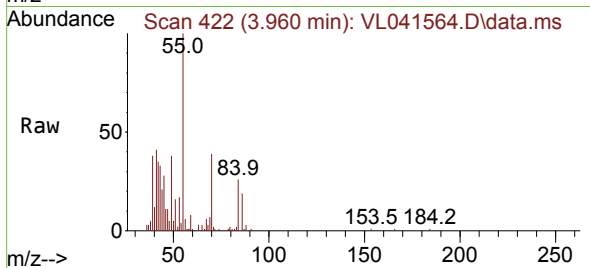




#21
 Allyl Chloride
 Concen: 0.188 ppbv
 RT: 3.960 min Scan# 41
 Delta R.T. -0.042 min
 Lab File: VL041564.D
 Acq: 21 Aug 2024 12:28

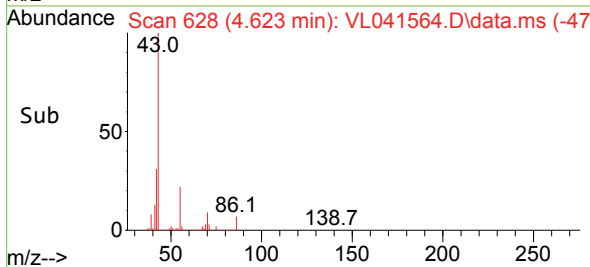
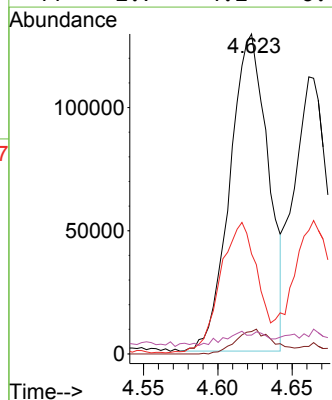
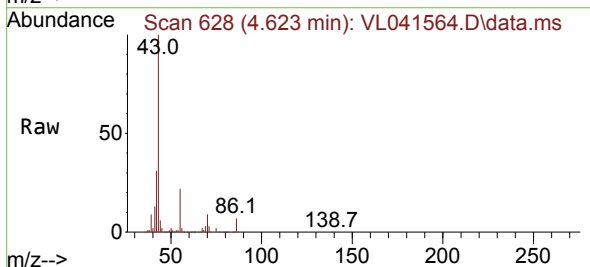
Instrument :
 MSVOA_L
 ClientSampleId :

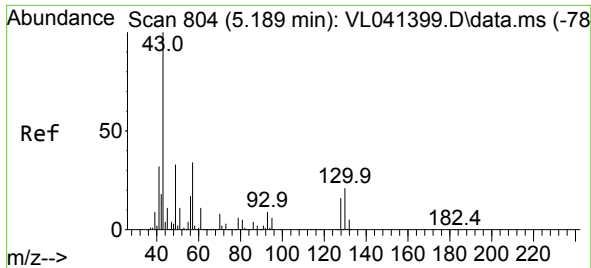
Tgt Ion: 41 Resp: 14036
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.7 35.5#
 39 149.9 64.3 96.5#



#23
 Vinyl Acetate
 Concen: 2.649 ppbv
 RT: 4.623 min Scan# 628
 Delta R.T. -0.010 min
 Lab File: VL041564.D
 Acq: 21 Aug 2024 12:28

Tgt Ion: 43 Resp: 230538
 Ion Ratio Lower Upper
 43 100
 86 7.0 4.6 6.8#
 42 30.8 7.9 11.9#
 44 2.7 4.2 6.4#

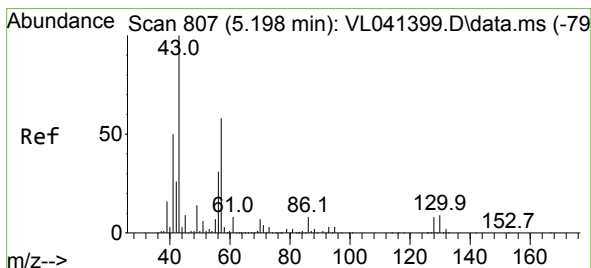
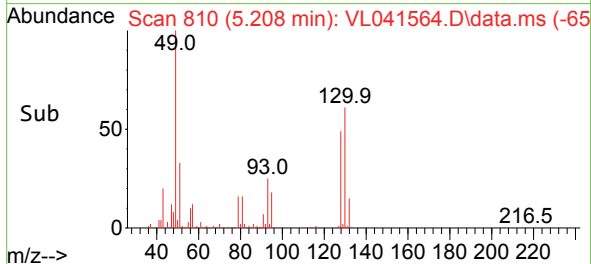
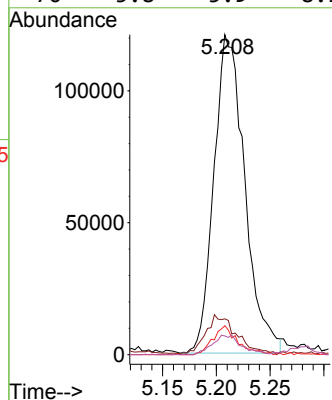
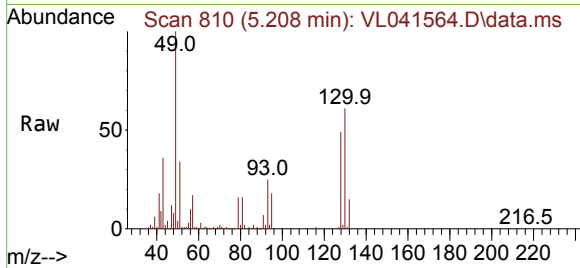




#25
Ethyl Acetate
Concen: 1.060 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

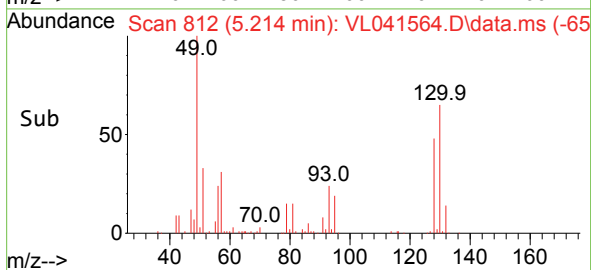
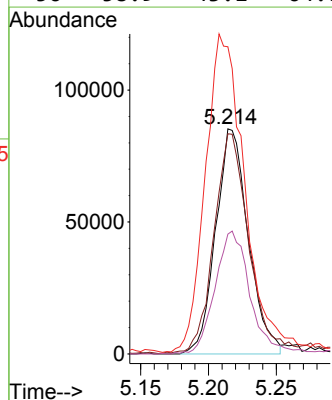
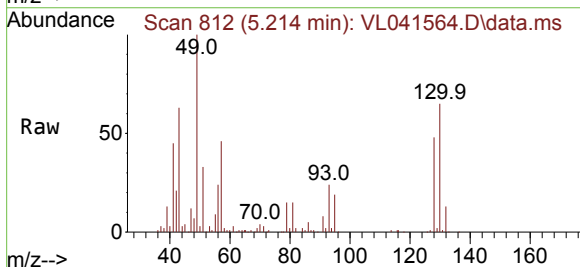
Instrument :
MSVOA_L
ClientSampleId :

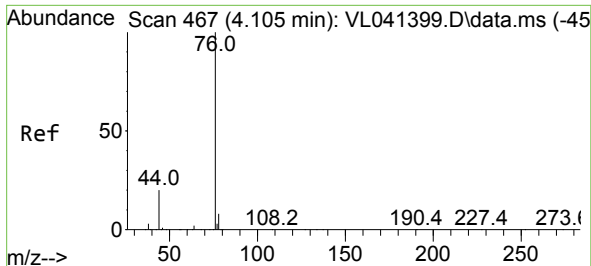
Tgt Ion: 43	Resp: 240068
Ion Ratio	Lower Upper
43 100	
45 12.0	8.5 12.7
61 7.7	8.0 12.0#
70 5.8	5.9 8.9#



#26
Hexane
Concen: 1.521 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 57	Resp: 142846
Ion Ratio	Lower Upper
57 100	
41 108.8	74.0 111.0
43 171.2	193.6 290.4#
56 58.9	43.1 64.7





#27

Carbon Disulfide

Concen: 0.074 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.000 min

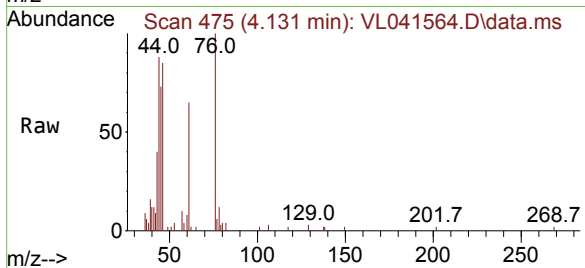
Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :



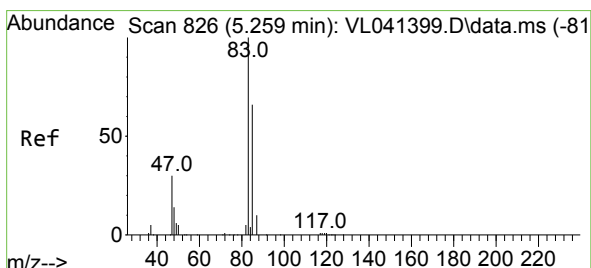
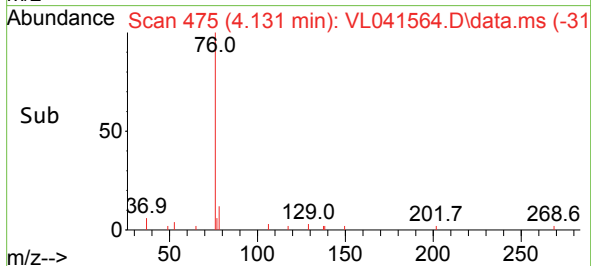
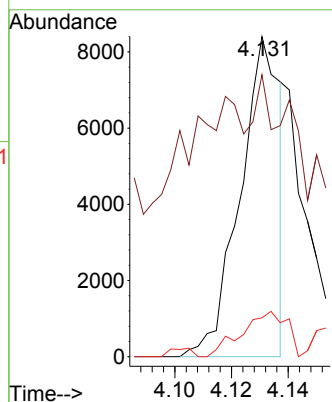
Tgt Ion: 76 Resp: 8176

Ion Ratio Lower Upper

76 100

44 90.7 15.6 23.4#

78 22.1 7.7 11.5#



#29

Chloroform

Concen: 2.539 ppbv

RT: 5.279 min Scan# 832

Delta R.T. 0.000 min

Lab File: VL041564.D

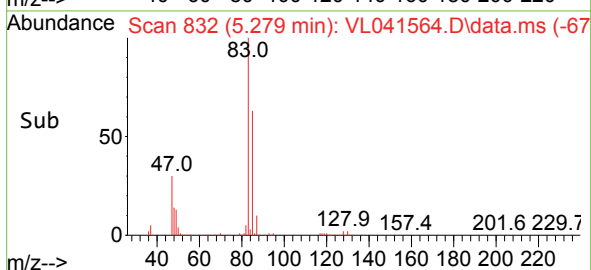
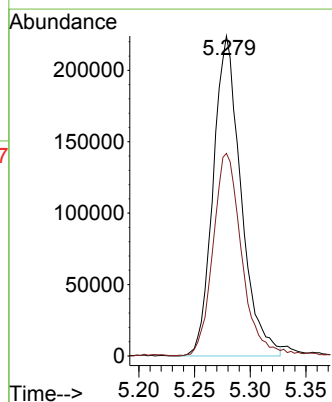
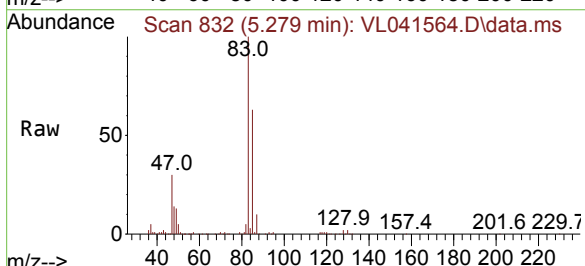
Acq: 21 Aug 2024 12:28

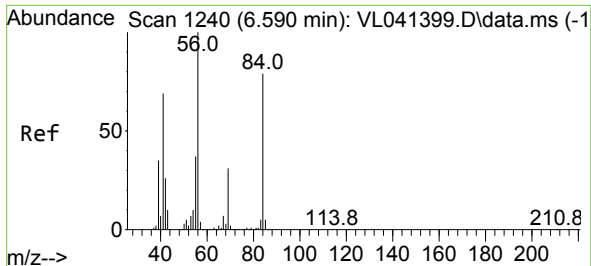
Tgt Ion: 83 Resp: 388916

Ion Ratio Lower Upper

83 100

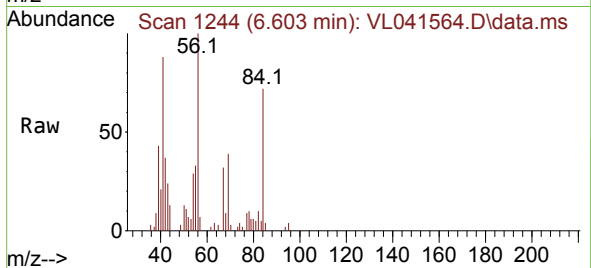
85 63.0 53.1 79.7



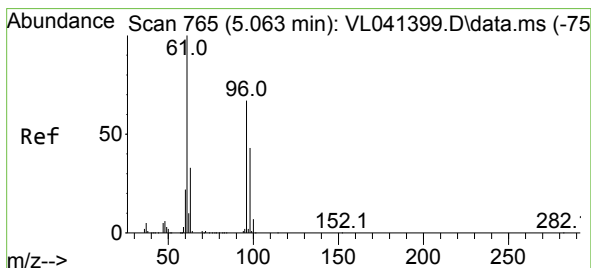
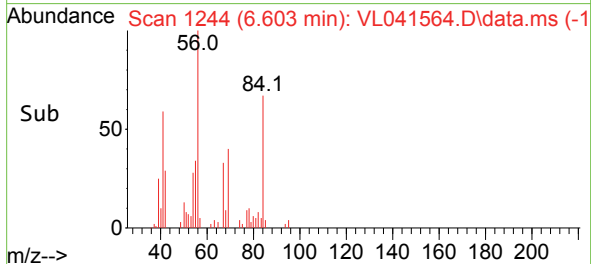
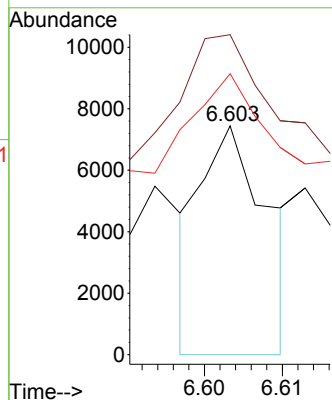


#30
Cyclohexane
Concen: 0.058 ppbv
RT: 6.603 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Instrument :
MSVOA_L
ClientSampleId :

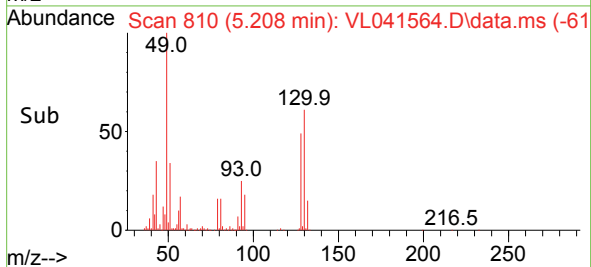
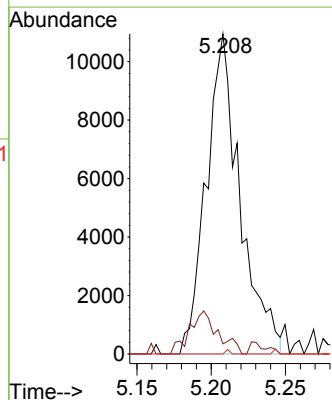
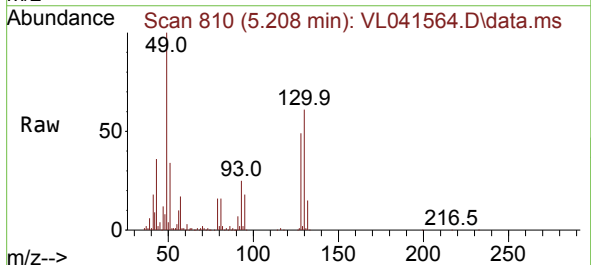


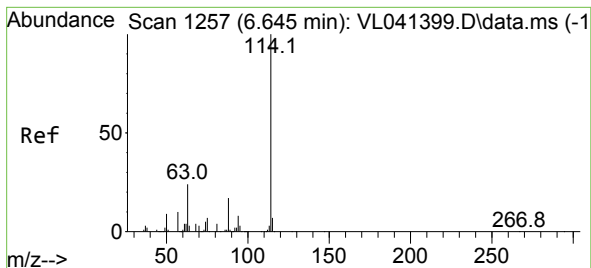
Tgt Ion: 84 Resp: 4405
Ion Ratio Lower Upper
84 100
56 0.0 111.2 166.8#
41 490.4 70.3 105.5#



#31
cis-1,2-Dichloroethene
Concen: 0.186 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.125 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 61 Resp: 17297
Ion Ratio Lower Upper
61 100
96 3.2 53.4 80.2#
98 0.0 34.4 51.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :

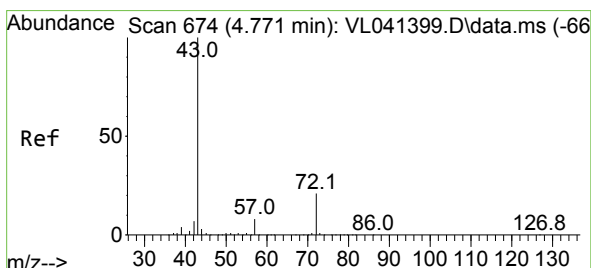
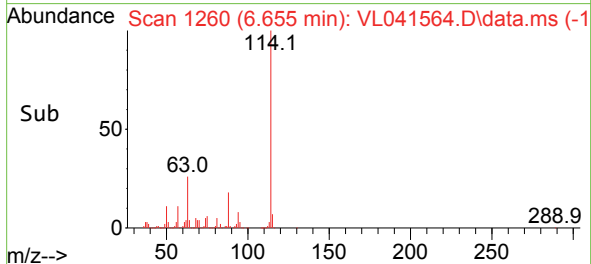
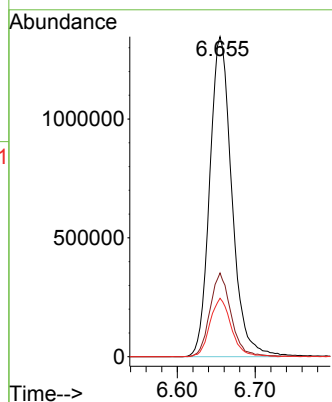
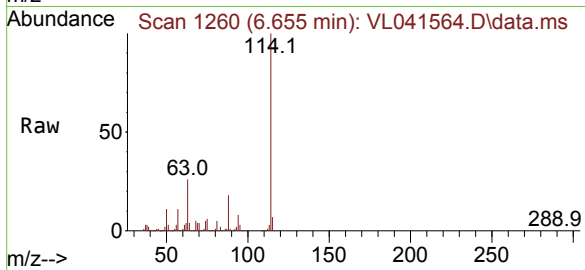
Tgt Ion:114 Resp: 2648582

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.7 14.3 21.5



#34

2-Butanone

Concen: 2.512 ppbv

RT: 4.793 min Scan# 681

Delta R.T. -0.000 min

Lab File: VL041564.D

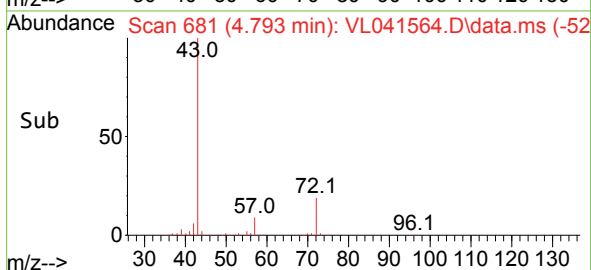
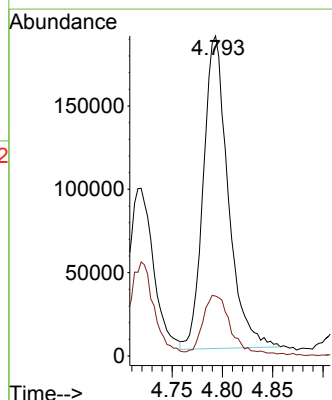
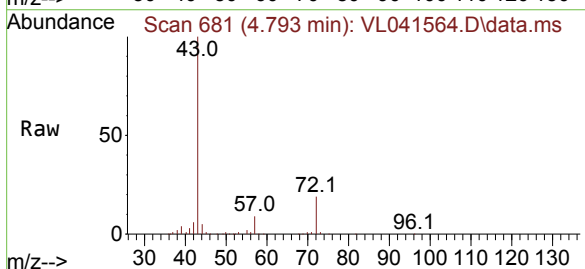
Acq: 21 Aug 2024 12:28

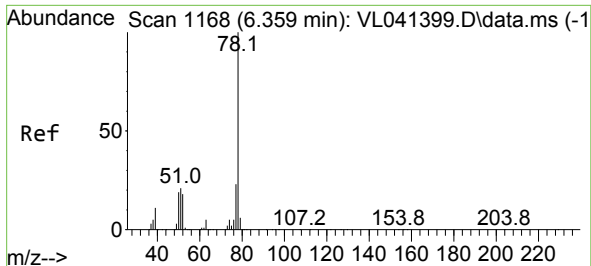
Tgt Ion: 43 Resp: 321890

Ion Ratio Lower Upper

43 100

72 22.4 17.3 25.9

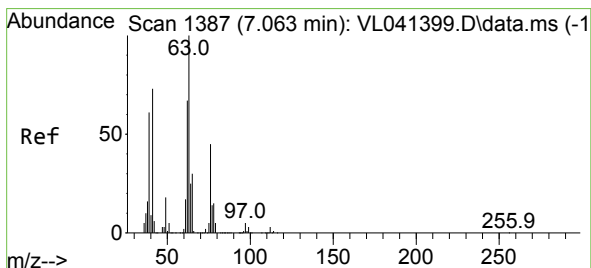
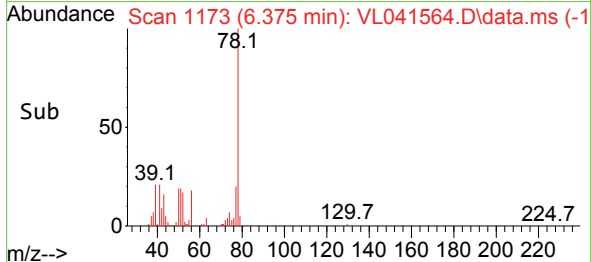
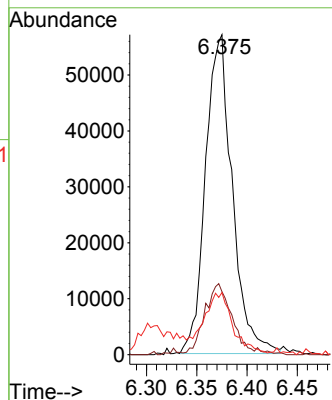
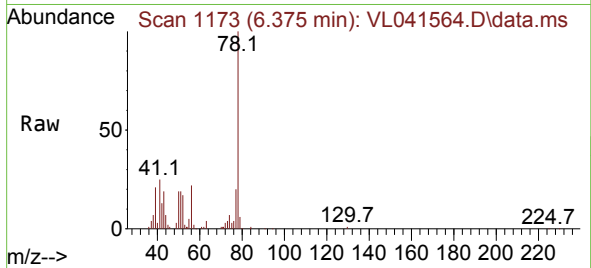




#36
Benzene
Concen: 0.546 ppbv
RT: 6.375 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

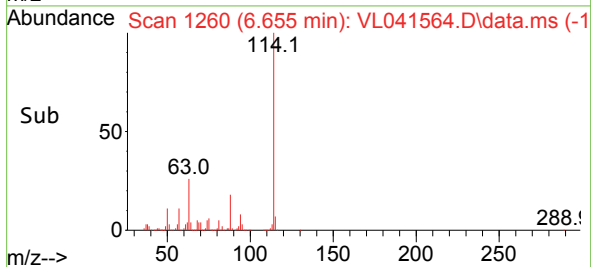
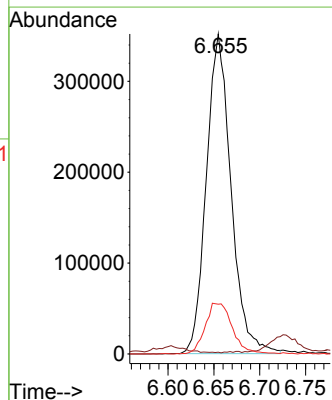
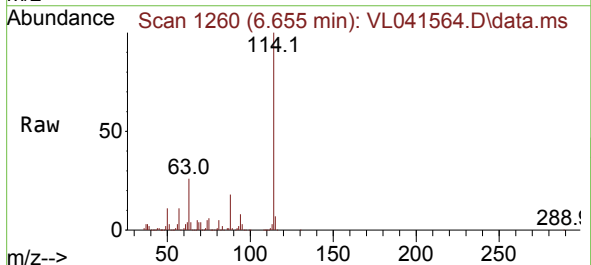
Instrument :
MSVOA_L
ClientSampleId :

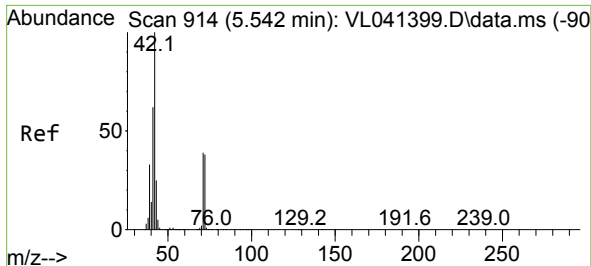
Tgt Ion: 78 Resp: 105757
Ion Ratio Lower Upper
78 100
77 19.2 18.1 27.1
50 18.9 15.5 23.3



#39
1,2-Dichloropropane
Concen: 8.889 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.421 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 63 Resp: 658639
Ion Ratio Lower Upper
63 100
41 0.0 58.3 87.5#
62 15.5 53.9 80.9#





#41

Tetrahydrofuran

Concen: 0.378 ppbv

RT: 5.549 min Scan# 914

Delta R.T. -0.013 min

Lab File: VL041564.D

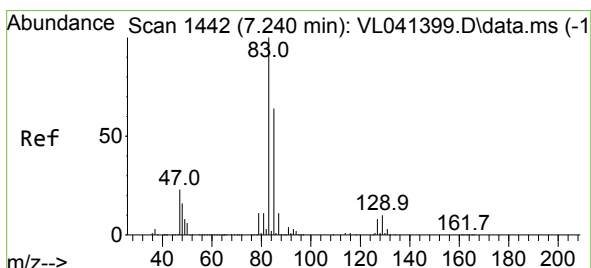
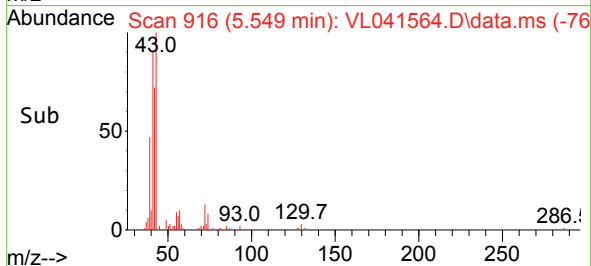
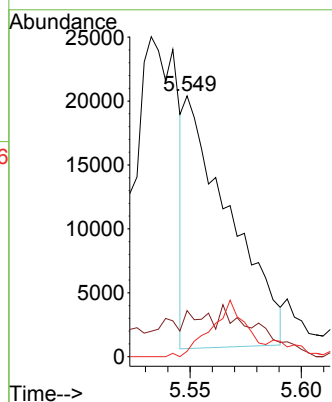
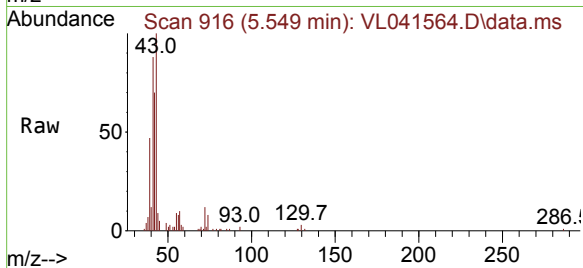
Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	42	Resp:	27726
Ion Ratio	Lower	Upper	
42	100		
72	42.3	31.2	46.8
71	22.9	30.5	45.7#



#42

Bromodichloromethane

Concen: 0.047 ppbv

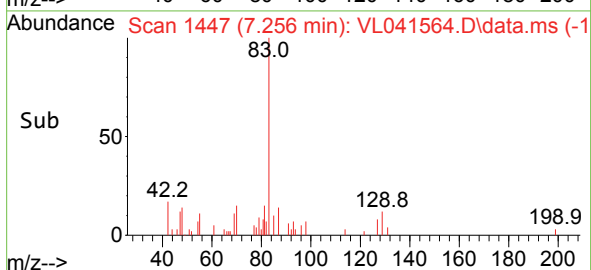
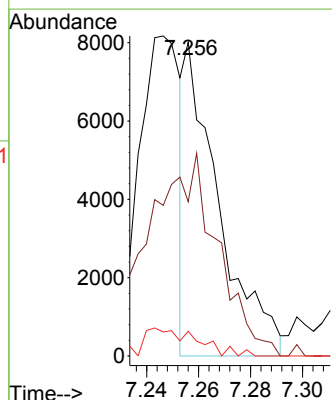
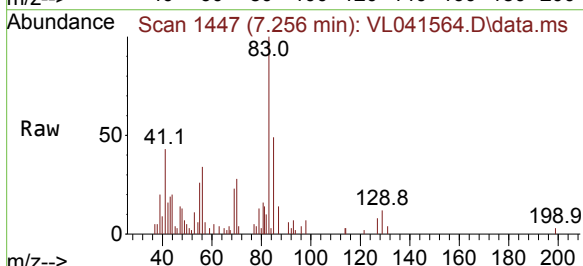
RT: 7.256 min Scan# 1447

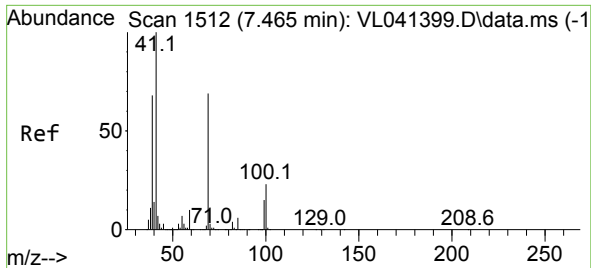
Delta R.T. 0.003 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Tgt Ion:	83	Resp:	7310
Ion Ratio	Lower	Upper	
83	100		
85	52.5	51.4	77.0
127	8.4	6.7	10.1

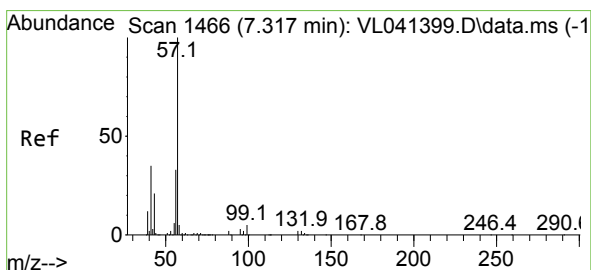
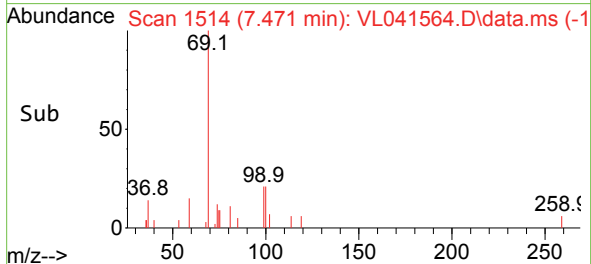
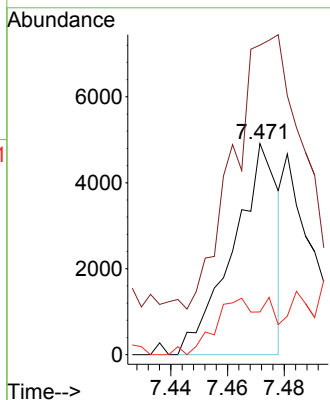
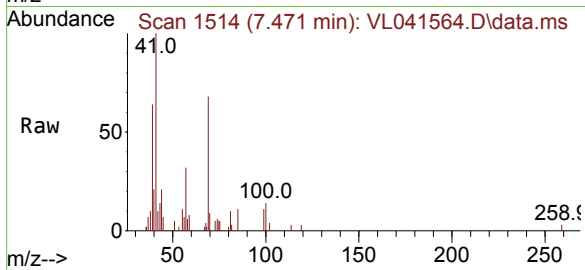




#43
Methyl Methacrylate
Concen: 0.077 ppbv
RT: 7.471 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

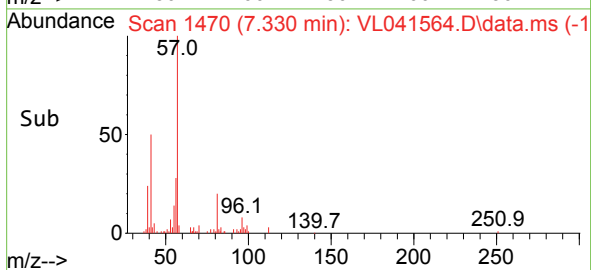
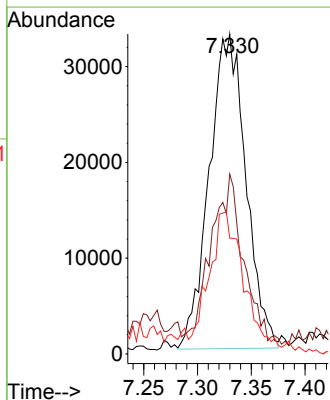
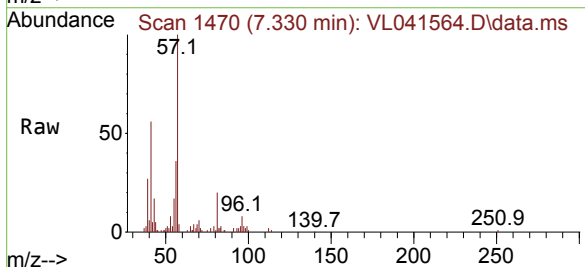
Instrument :
MSVOA_L
ClientSampleId :

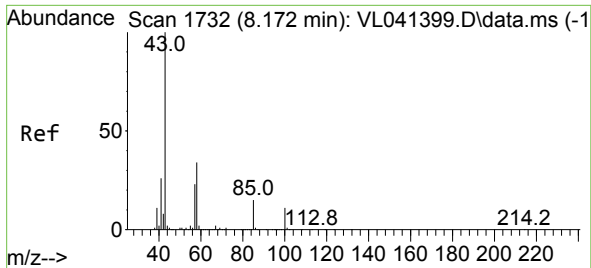
Tgt Ion: 69 Resp: 5323
Ion Ratio Lower Upper
69 100
41 0.0 118.7 178.1#
100 0.0 27.0 40.4#



#44
2,2,4-Trimethylpentane
Concen: 0.241 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 57 Resp: 77962
Ion Ratio Lower Upper
57 100
41 51.7 27.0 40.6#
56 48.9 25.2 37.8#





#50

4-Methyl-2-Pentanone

Concen: 0.302 ppbv

RT: 8.188 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

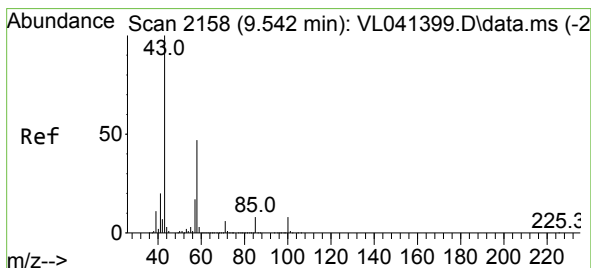
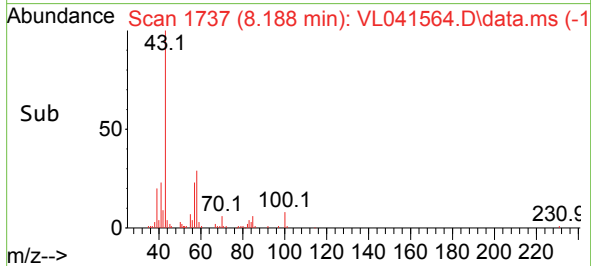
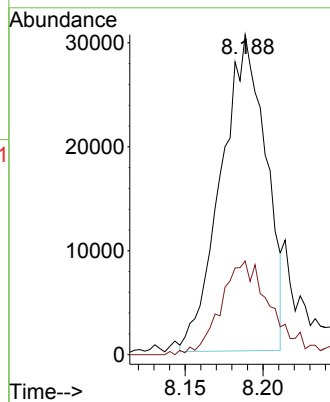
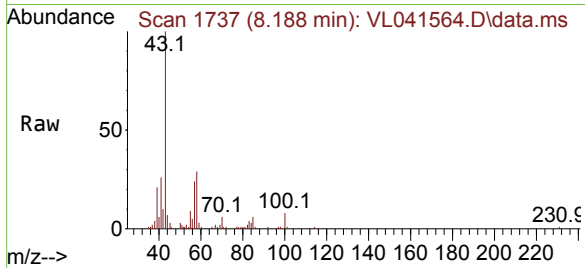
ClientSampleId :

Tgt Ion: 43 Resp: 61007

Ion Ratio Lower Upper

43 100

58 34.1 27.9 41.9



#51

2-Hexanone

Concen: 0.402 ppbv

RT: 9.552 min Scan# 2161

Delta R.T. -0.000 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

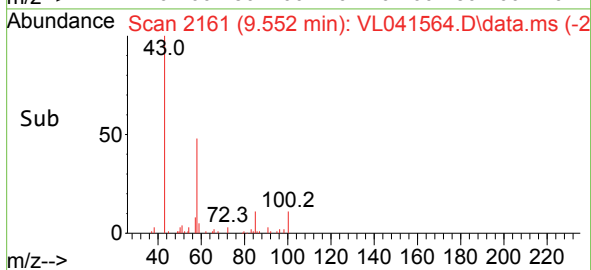
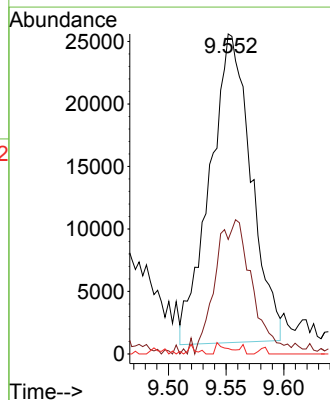
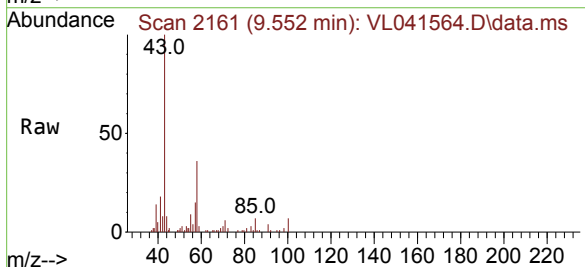
Tgt Ion: 43 Resp: 61476

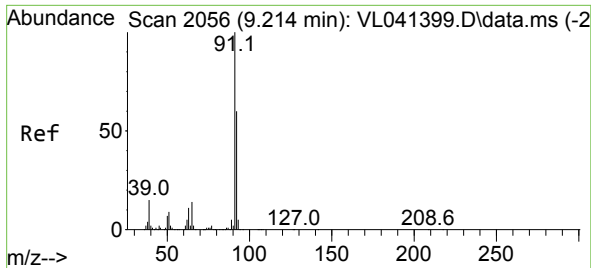
Ion Ratio Lower Upper

43 100

58 40.4 38.2 57.2

98 1.8 0.3 0.5#

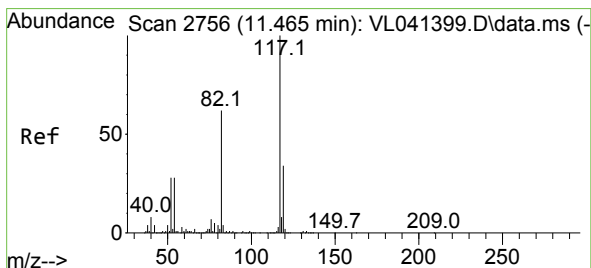
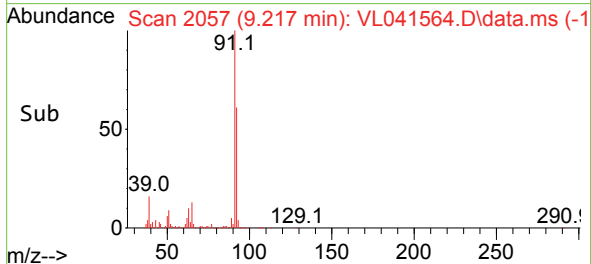
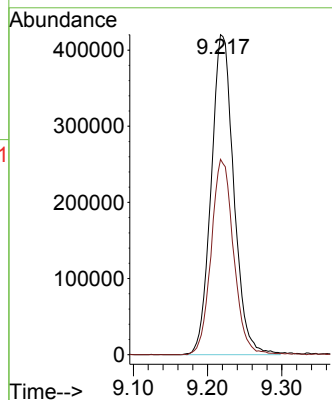
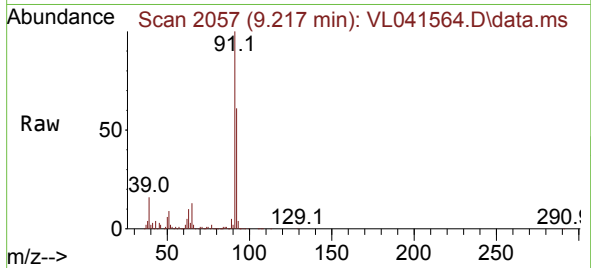




#53
Toluene
Concen: 4.122 ppbv
RT: 9.217 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

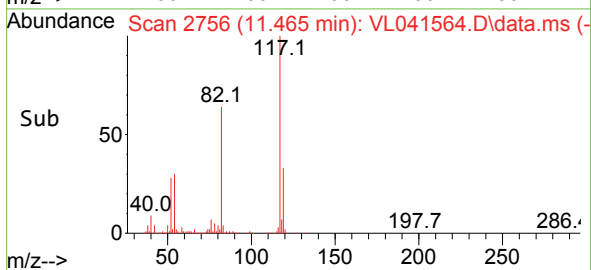
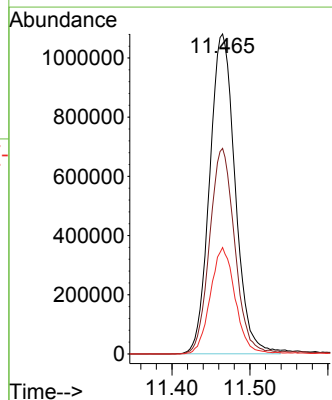
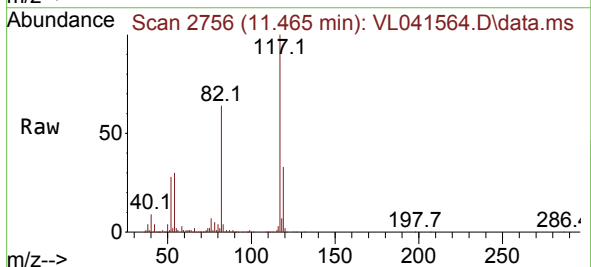
Instrument :
MSVOA_L
ClientSampleId :

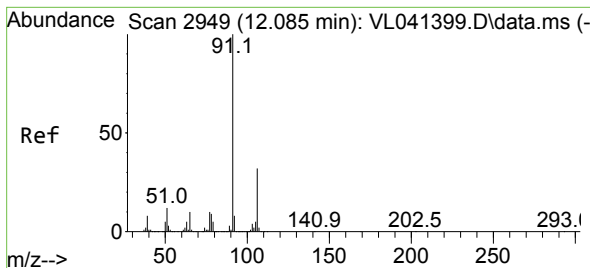
Tgt Ion: 91 Resp: 888654
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion: 117 Resp: 2459386
Ion Ratio Lower Upper
117 100
82 64.9 51.0 76.6
119 32.8 45.2 67.8





#58

Ethyl Benzene

Concen: 0.540 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. -0.003 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

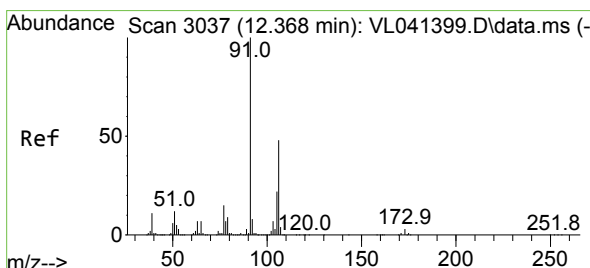
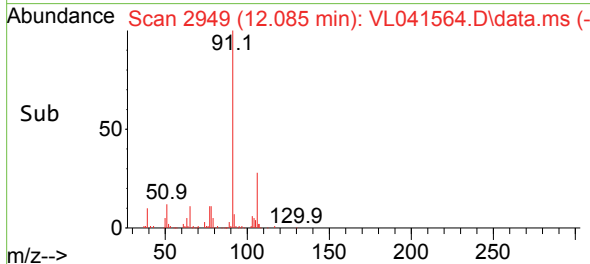
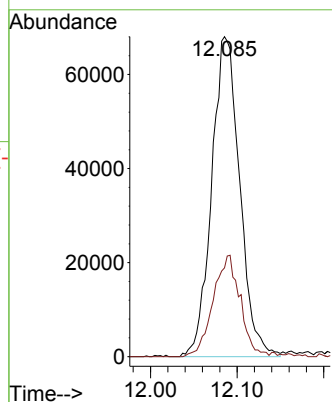
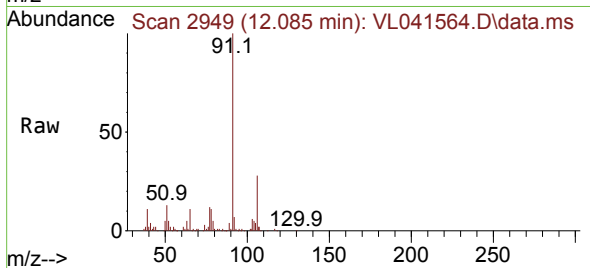
ClientSampleId :

Tgt Ion: 91 Resp: 153132

Ion Ratio Lower Upper

91 100

106 27.7 25.8 38.8



#59

m/p-Xylene

Concen: 1.953 ppbv

RT: 12.339 min Scan# 3028

Delta R.T. -0.032 min

Lab File: VL041564.D

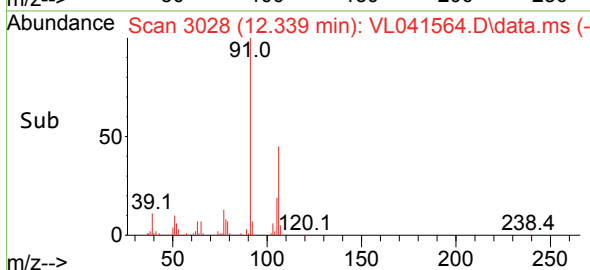
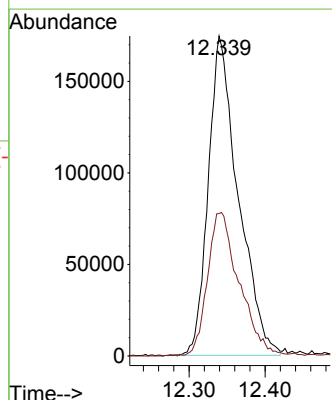
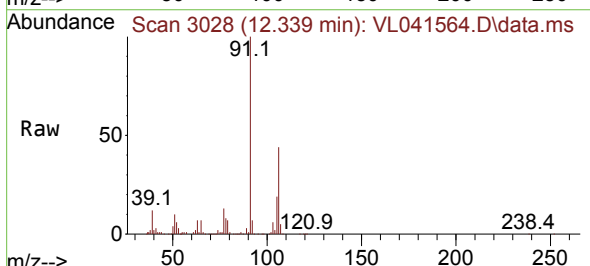
Acq: 21 Aug 2024 12:28

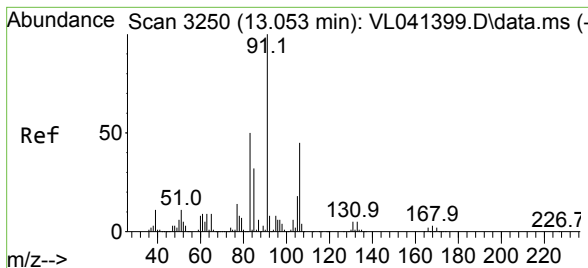
Tgt Ion: 91 Resp: 477828

Ion Ratio Lower Upper

91 100

106 48.3 36.3 54.5

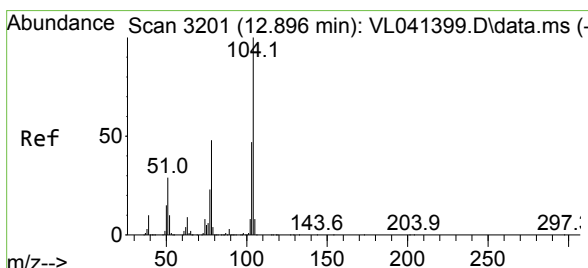
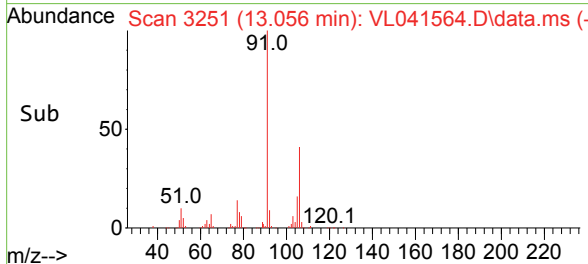
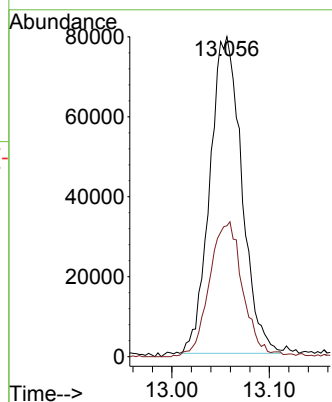
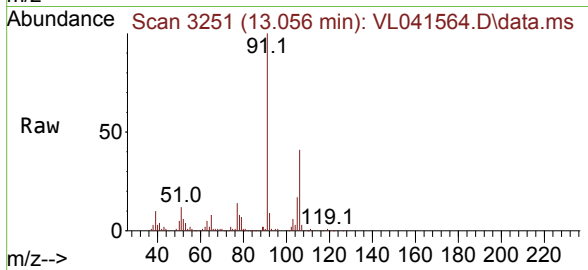




#60
o-Xylene
Concen: 0.778 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

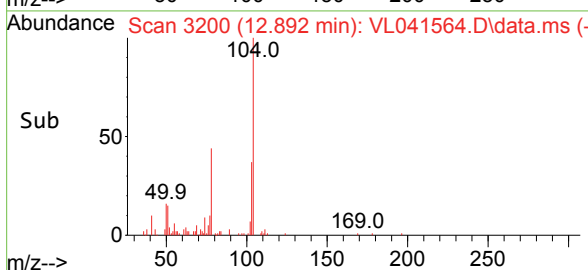
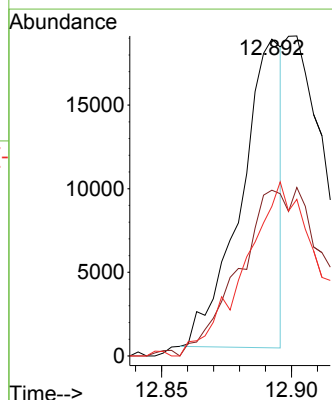
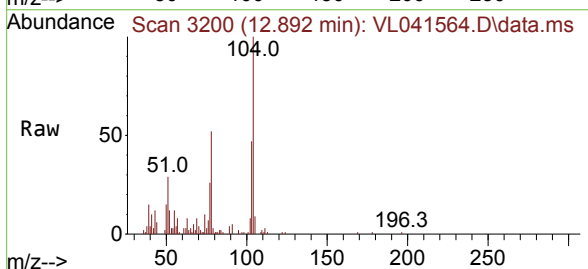
Instrument :
MSVOA_L
ClientSampleId :

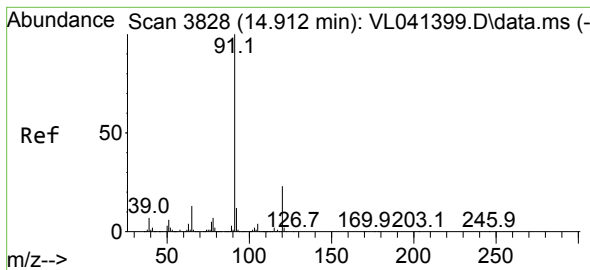
Tgt Ion: 91 Resp: 179992
Ion Ratio Lower Upper
91 100
106 45.3 23.1 69.3



#61
Styrene
Concen: 0.195 ppbv
RT: 12.892 min Scan# 3200
Delta R.T. -0.003 min
Lab File: VL041564.D
Acq: 21 Aug 2024 12:28

Tgt Ion:104 Resp: 20397
Ion Ratio Lower Upper
104 100
78 0.0 40.8 61.2#
103 106.2 38.2 57.4#





#64

n-propylbenzene

Concen: 0.041 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.000 min MSVOA_L

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

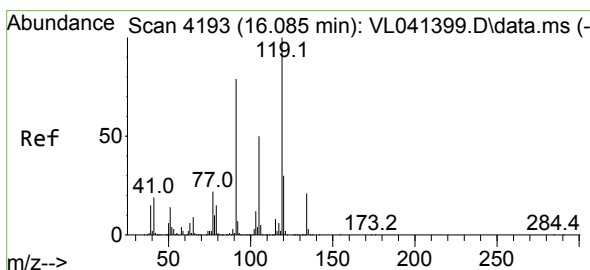
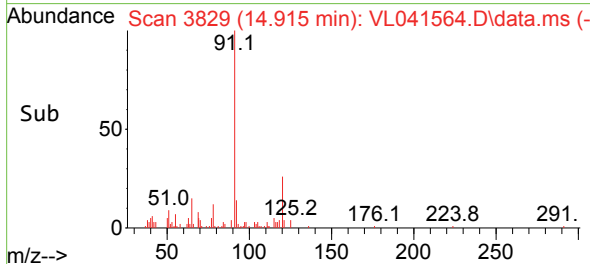
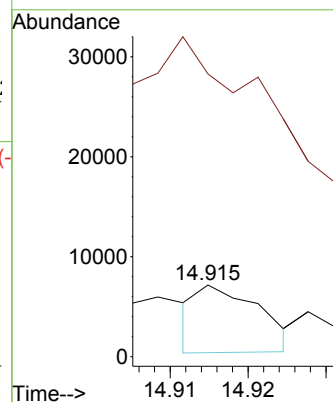
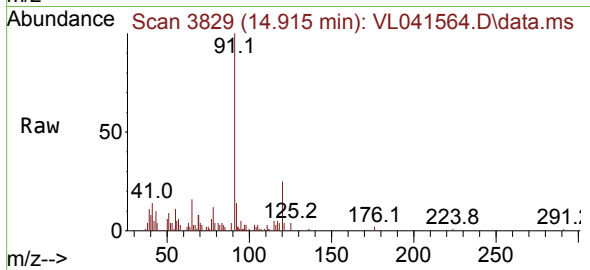
ClientSampleId :

Tgt Ion:120 Resp: 3749

Ion Ratio Lower Upper

120 100

91 2065.7 361.4 542.0#



#65

tert-Butylbenzene

Concen: 0.108 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.013 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

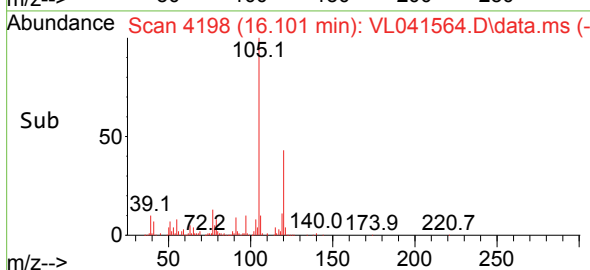
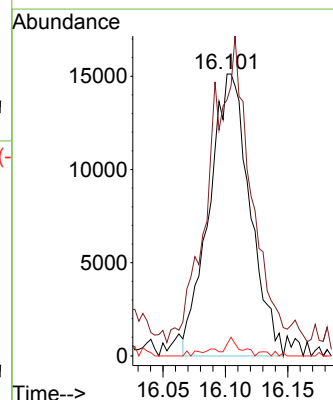
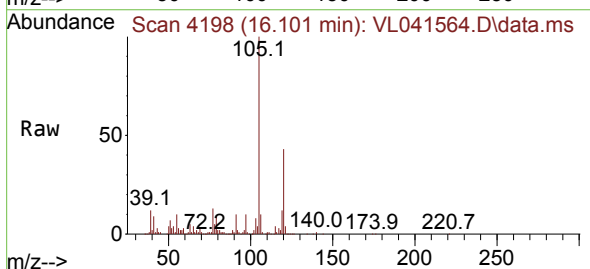
Tgt Ion:119 Resp: 34440

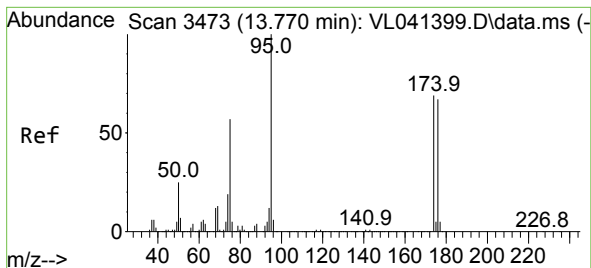
Ion Ratio Lower Upper

119 100

91 111.7 64.2 96.2#

134 4.0 15.7 23.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.222 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.003 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :

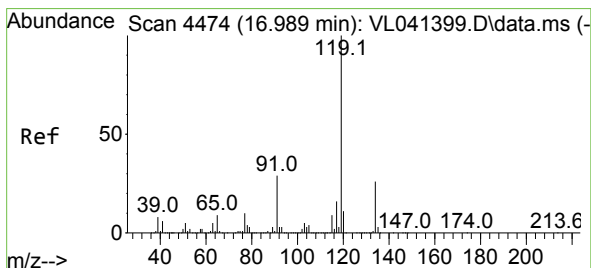
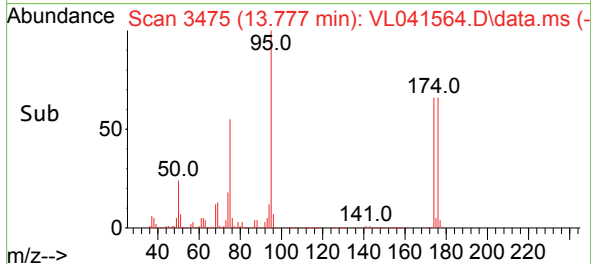
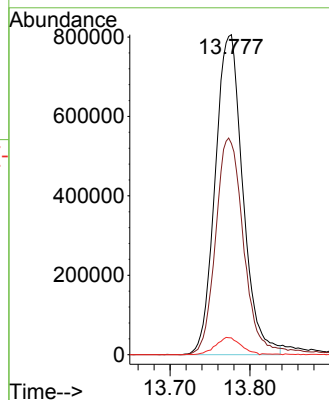
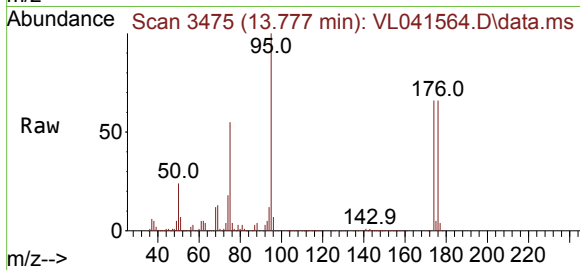
Tgt Ion: 95 Resp: 1934613

Ion Ratio Lower Upper

95 100

174 70.4 56.3 84.5

175 5.1 4.0 6.0



#69

p-Isopropyltoluene

Concen: 0.055 ppbv

RT: 16.995 min Scan# 4476

Delta R.T. 0.003 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

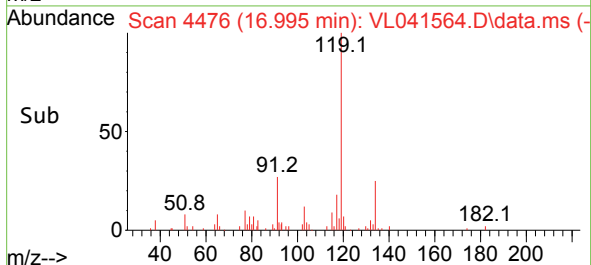
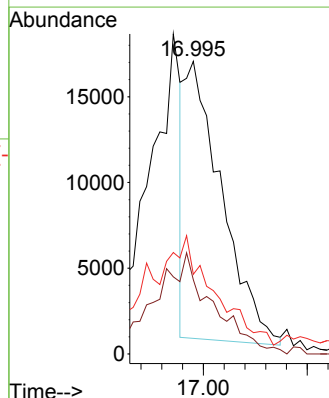
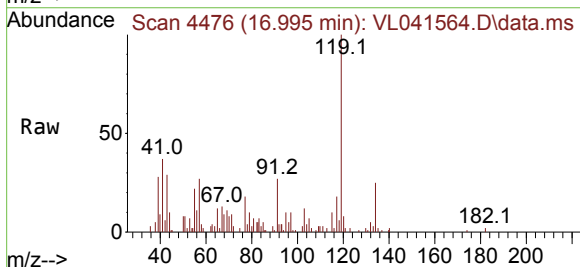
Tgt Ion: 119 Resp: 19926

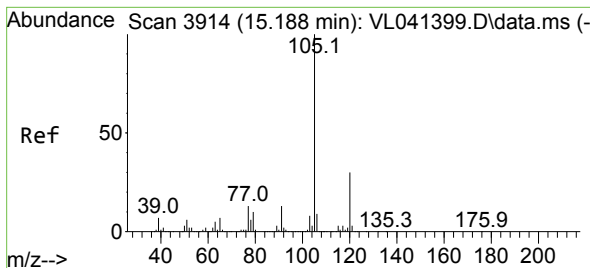
Ion Ratio Lower Upper

119 100

134 60.9 20.5 30.7#

91 72.9 23.2 34.8#





#72

4-Ethyltoluene

Concen: 0.172 ppbv

RT: 15.188 min Scan# 3914

Delta R.T. -0.000 min

Lab File: VL041564.D

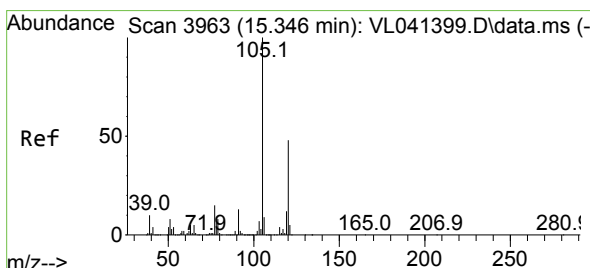
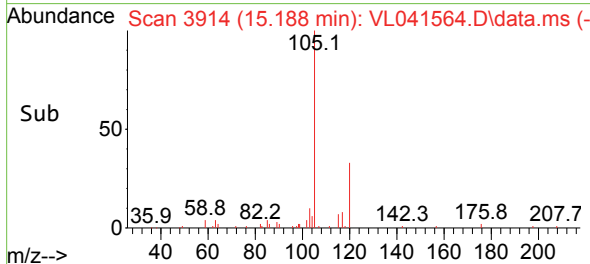
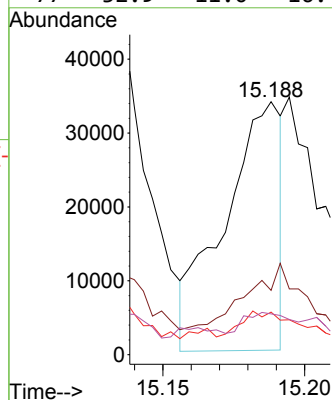
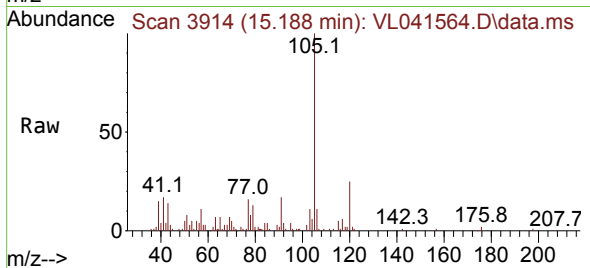
Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105	Resp:	46960
Ion	Ratio	Lower Upper
105	100	
120	0.0	24.2 36.2#
91	23.6	10.4 15.6#
77	32.9	11.0 16.4#



#73

1,3,5-Trimethylbenzene

Concen: 0.274 ppbv

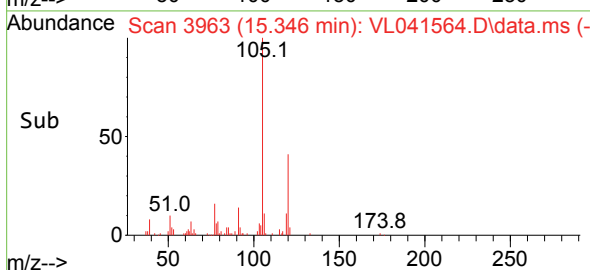
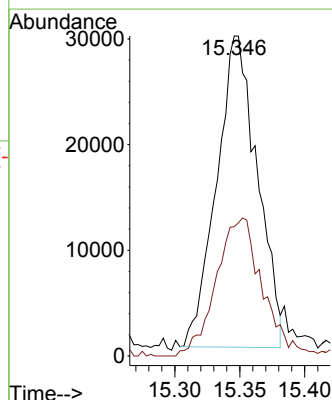
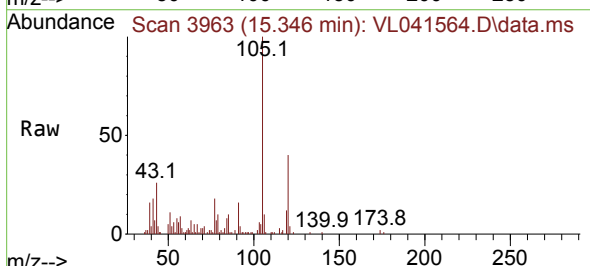
RT: 15.346 min Scan# 3963

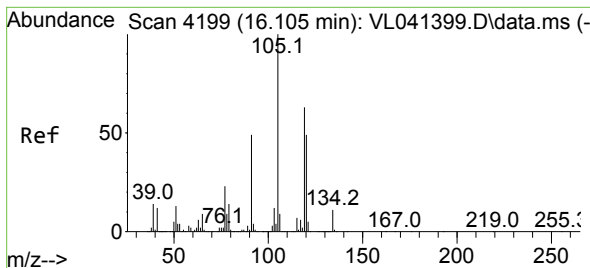
Delta R.T. -0.003 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Tgt Ion:105	Resp:	64290
Ion	Ratio	Lower Upper
105	100	
120	39.9	38.6 57.8





#74

1,2,4-Trimethylbenzene

Concen: 1.097 ppbv

RT: 16.101 min Scan# 41

Delta R.T. -0.006 min

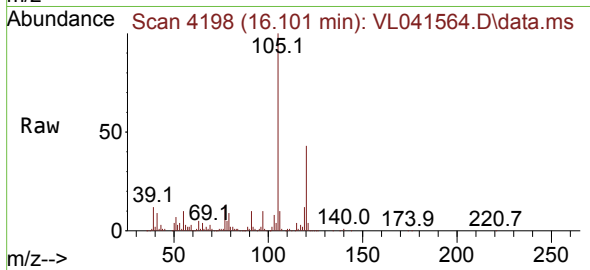
Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 299471

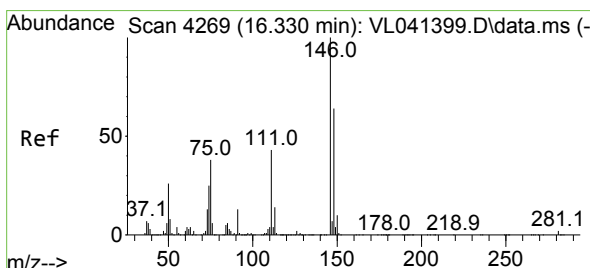
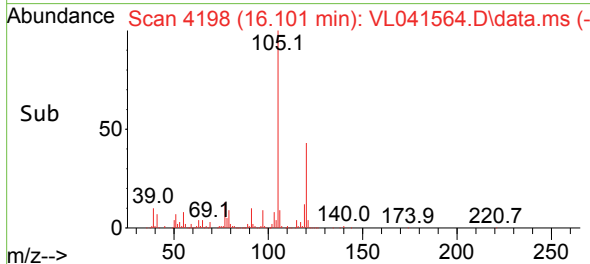
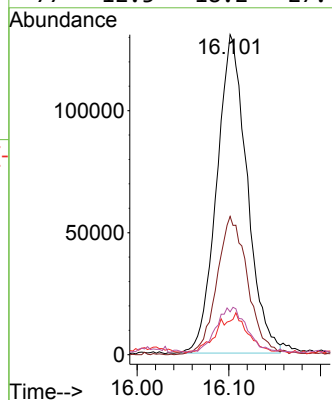
Ion Ratio Lower Upper

105 100

120 43.2 39.5 59.3

91 9.7 39.8 59.8#

77 12.3 18.2 27.4#



#75

1,3-Dichlorobenzene

Concen: 0.668 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.145 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

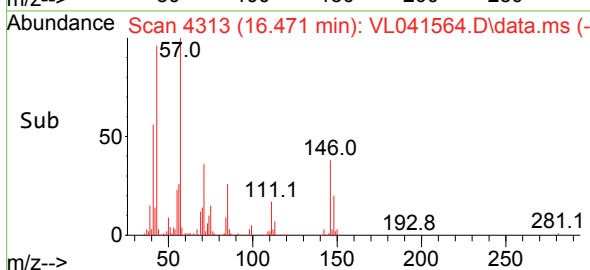
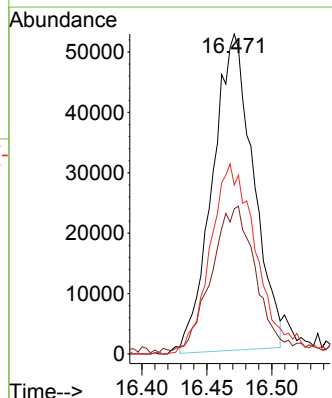
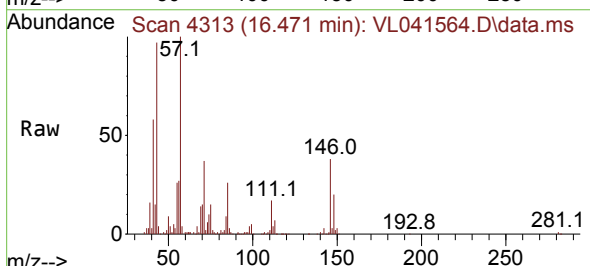
Tgt Ion:146 Resp: 114692

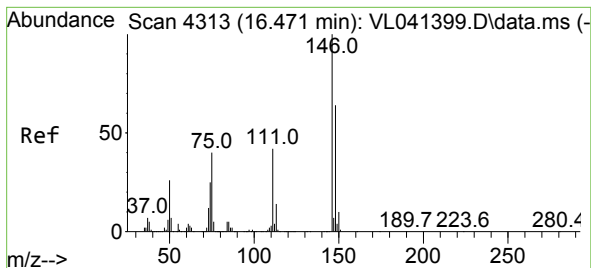
Ion Ratio Lower Upper

146 100

111 53.3 22.6 67.8

148 69.8 32.3 96.8





#76

1,4-Dichlorobenzene

Concen: 0.690 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :

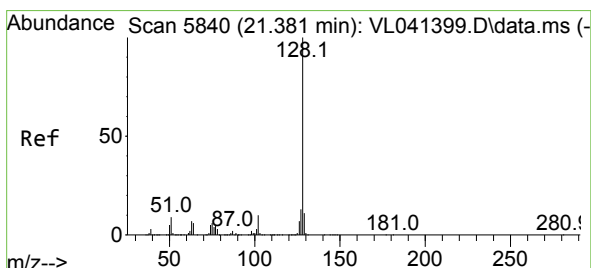
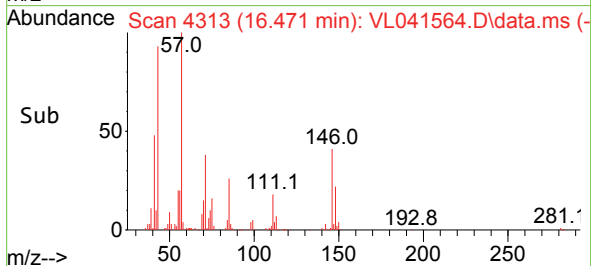
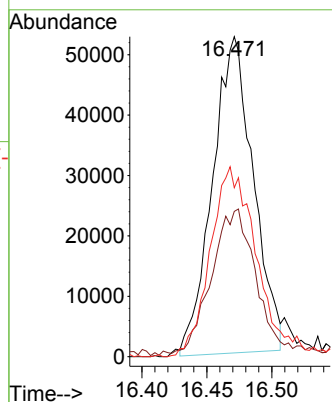
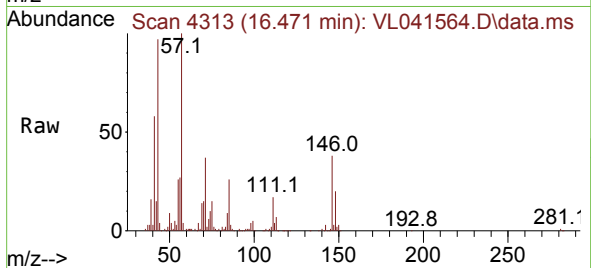
Tgt Ion:146 Resp: 114692

Ion Ratio Lower Upper

146 100

111 53.3 22.4 67.0

148 69.8 33.1 99.5



#79

Naphthalene

Concen: 0.152 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.000 min

Lab File: VL041564.D

Acq: 21 Aug 2024 12:28

Tgt Ion:128 Resp: 36554

Ion Ratio Lower Upper

128 100

127 16.0 10.3 15.5#

129 7.6 9.0 13.4#

