

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041413.D
 Acq On : 26 Jul 2024 9:24
 Operator : SY/MD
 Sample : P3342-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 29 01:46:15 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 Jul 26 07:31:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	966676	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2713664	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2543114	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1901207	9.714	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.709	85	35955	0.216	ppbv	92
3) Chlorodifluoromethane	2.655	51	55648	0.484	ppbv #	87
4) Chloromethane	2.793	50	48662	0.795	ppbv #	85
9) Propene	2.854	41	1936511	36.631	ppbv	96
10) Heptane	7.565	43	279130	2.350	ppbv	100
11) Trichlorofluoromethane	3.542	101	35738	0.242	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.050	101	7148	0.067	ppbv #	77
13) Ethanol	3.227	45	8054904	1704.777	ppbv	92
15) Acetone	3.449	43	1309425	11.922	ppbv #	66
16) 1,3-Butadiene	2.947	39	23755	0.405	ppbv #	10
17) tert-Butyl alcohol	3.870	59	65417	0.653	ppbv #	72
19) Isopropyl Alcohol	3.568	45	1568690	24.430	ppbv	100
20) Methylene Chloride	3.915	84	181266	4.426	ppbv	93
21) Allyl Chloride	3.938	41	112344	1.560	ppbv #	44
23) Vinyl Acetate	4.590	43	496775	5.922	ppbv #	1
25) Ethyl Acetate	5.198	43	1240716	5.686	ppbv #	80
26) Hexane	5.198	57	1355075	14.970	ppbv #	45
27) Carbon Disulfide	4.105	76	16790	0.159	ppbv #	74
29) Chloroform	5.262	83	24864	0.168	ppbv	83
30) Cyclohexane	6.587	84	84605	1.148	ppbv	89
31) cis-1,2-Dichloroethene	5.182	61	50215	0.562	ppbv #	27
34) 2-Butanone	4.770	43	178340	1.359	ppbv	93
36) Benzene	6.352	78	675118	3.405	ppbv	99
37) 1,2-Dichloroethane	5.790	62	5769	0.052	ppbv #	82
39) 1,2-Dichloropropane	6.635	63	660501	8.701	ppbv #	24
41) Tetrahydrofuran	5.545	42	6900	0.092	ppbv #	1
42) Bromodichloromethane	7.237	83	20765	0.130	ppbv #	40
43) Methyl Methacrylate	7.462	69	38520	0.542	ppbv #	72
44) 2,2,4-Trimethylpentane	7.314	57	773293	2.335	ppbv #	82
50) 4-Methyl-2-Pentanone	8.175	43	20955	0.101	ppbv #	40
51) 2-Hexanone	9.519	43	30965	0.198	ppbv #	30
52) Tetrachloroethene	10.600	164	5171	0.067	ppbv #	71
53) Toluene	9.208	91	2839197	12.855	ppbv	100
58) Ethyl Benzene	12.076	91	728571	2.486	ppbv	96
59) m/p-Xylene	12.333	91	874585	3.456	ppbv	96
60) o-Xylene	13.047	91	328241	1.371	ppbv	98
61) Styrene	12.886	104	340598	3.154	ppbv	99
62) Isopropylbenzene	14.018	105	20041	0.055	ppbv #	72
69) p-Isopropyltoluene	16.985	119	30353	0.081	ppbv	93
71) 2-Chlorotoluene	14.905	91	36744	0.137	ppbv #	43
72) 4-Ethyltoluene	15.182	105	32669	0.116	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.098	105	87185	0.309	ppbv #	69

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 29 01:46:15 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 Jul 26 07:31:14 2024
Response via : Initial Calibration

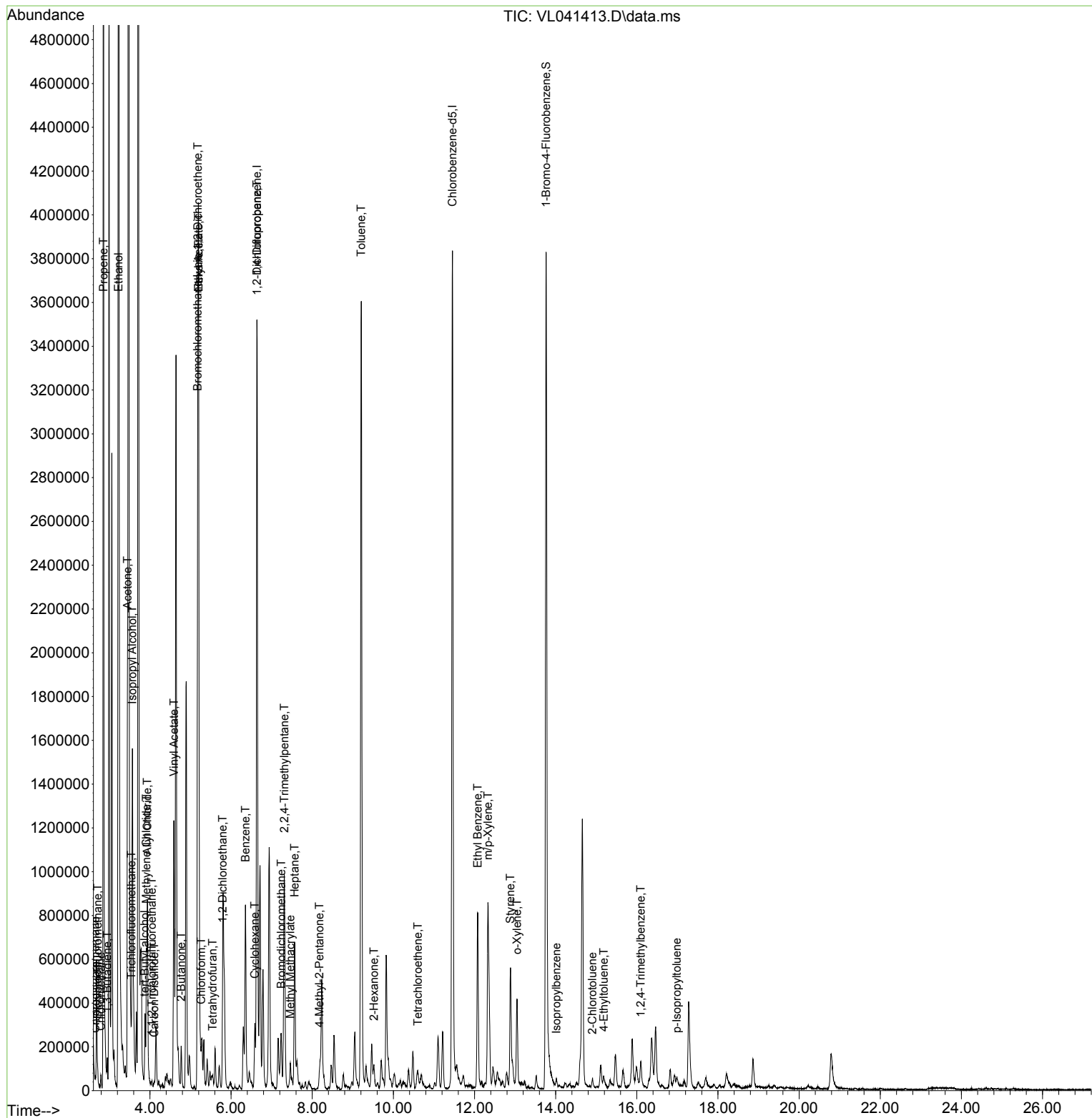
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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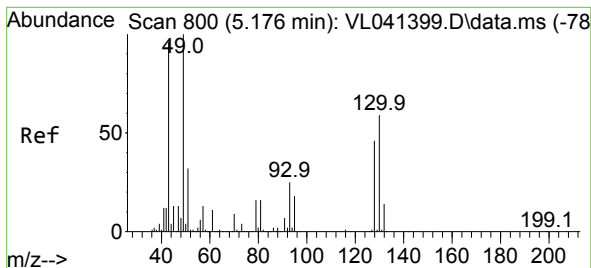
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL041413.D
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.176 min Scan# 80

Delta R.T. -0.000 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

ClientSampleId :

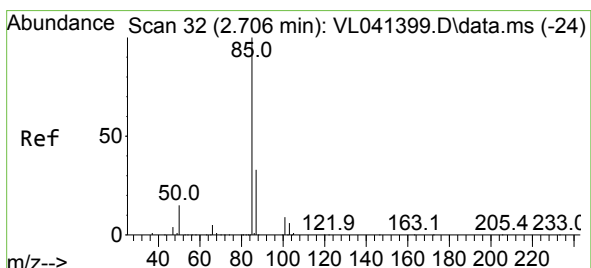
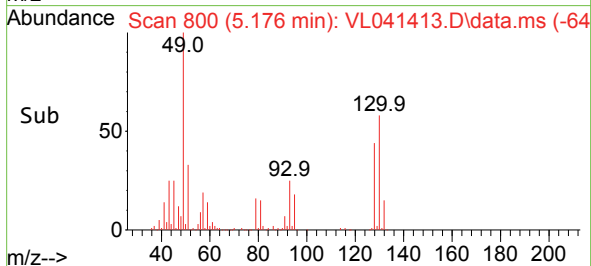
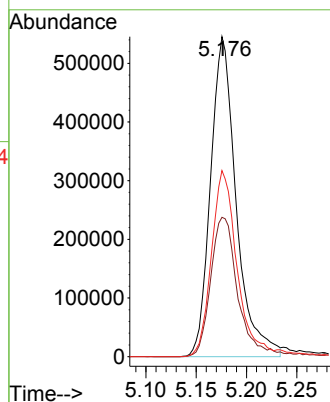
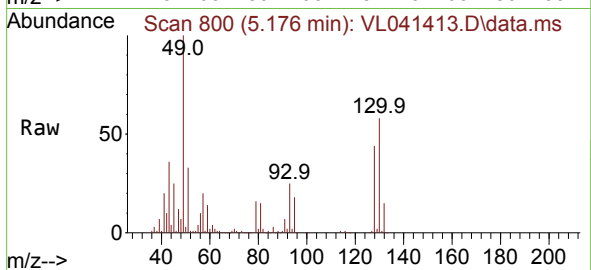
Tgt Ion: 49 Resp: 966676

Ion Ratio Lower Upper

49 100

128 47.2 23.8 71.4

130 60.3 30.8 92.4



#2

Dichlorodifluoromethane

Concen: 0.216 ppbv

RT: 2.709 min Scan# 33

Delta R.T. 0.003 min

Lab File: VL041413.D

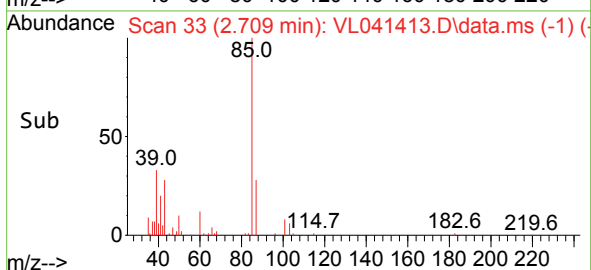
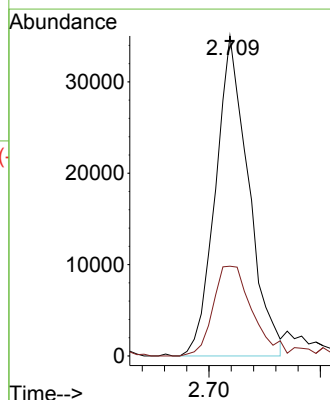
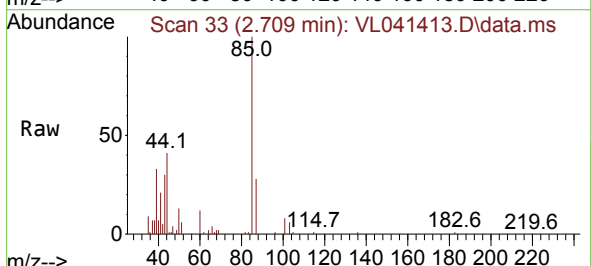
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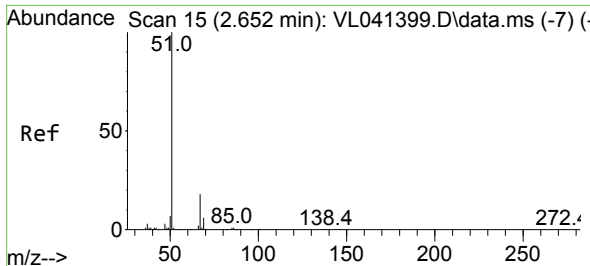
Tgt Ion: 85 Resp: 35955

Ion Ratio Lower Upper

85 100

87 28.1 26.0 39.0

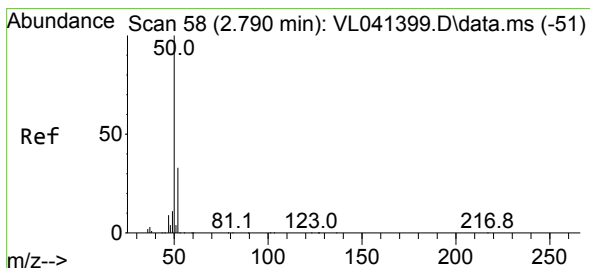
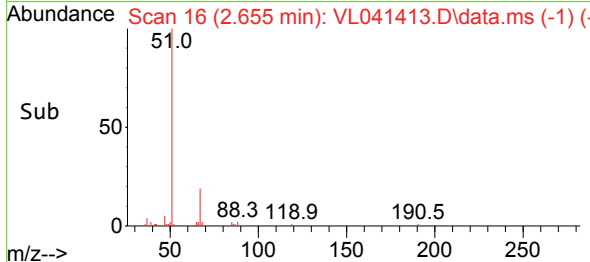
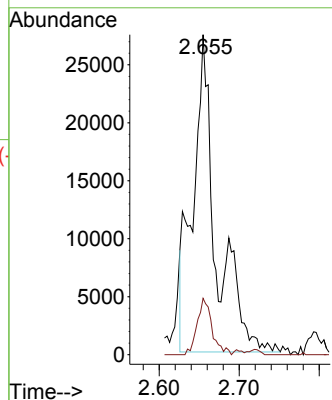
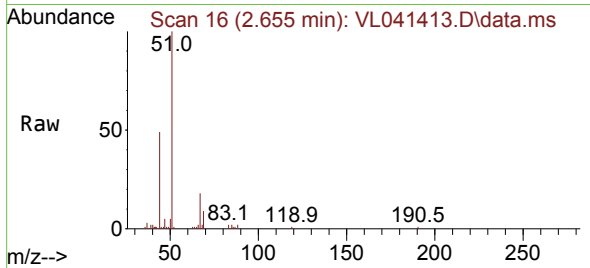




#3
Chlorodifluoromethane
Concen: 0.484 ppbv
RT: 2.655 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

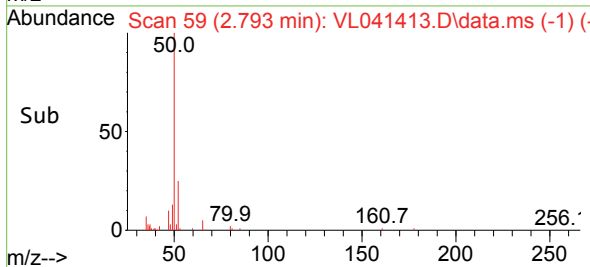
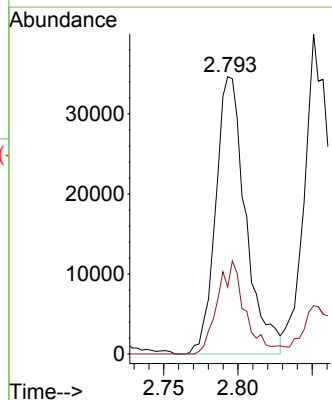
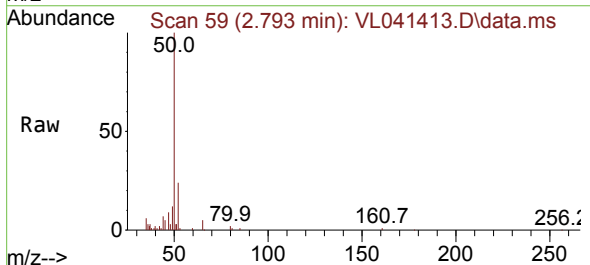
Instrument :
MSVOA_L
ClientSampleId :

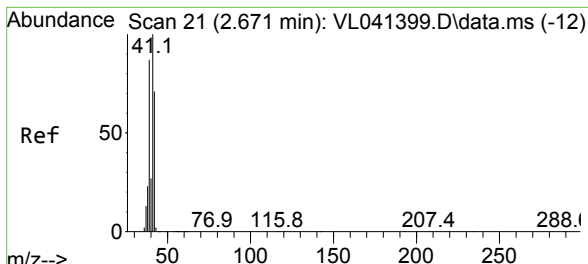
Tgt Ion: 51 Resp: 55648
Ion Ratio Lower Upper
51 100
67 12.6 14.5 21.7#



#4
Chloromethane
Concen: 0.795 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 50 Resp: 48662
Ion Ratio Lower Upper
50 100
52 24.2 26.1 39.1#

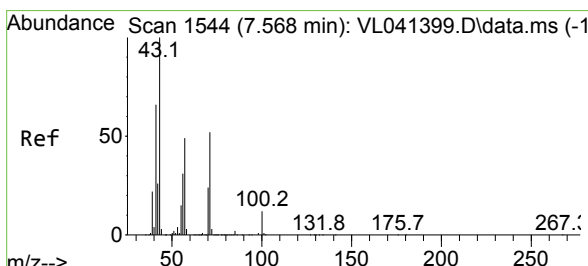
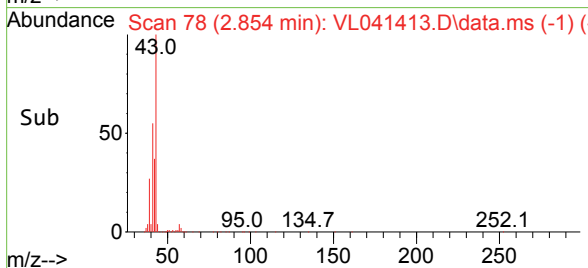
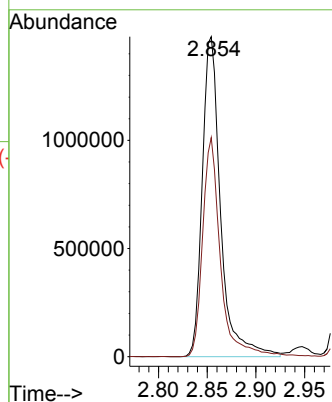
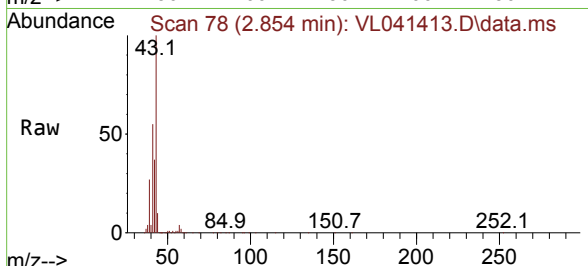




#9
 Propene
 Concen: 36.631 ppbv
 RT: 2.854 min Scan# 71
 Delta R.T. 0.183 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

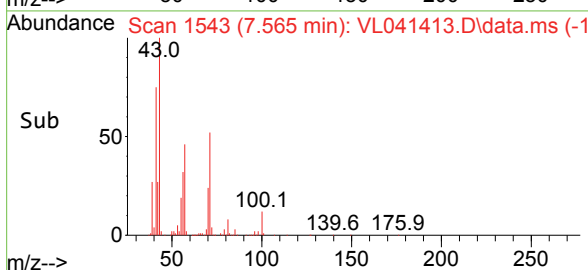
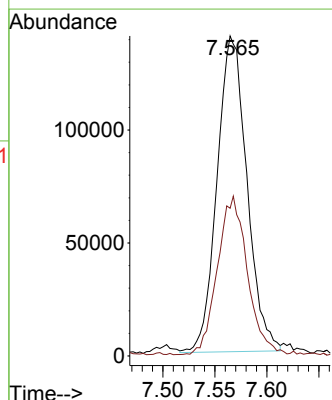
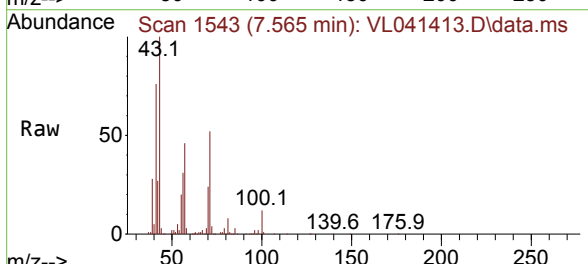
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 ClientSampleId :

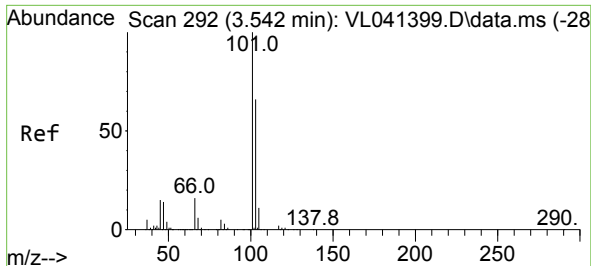
Tgt Ion: 41 Resp: 1936511
 Ion Ratio Lower Upper
 41 100
 42 66.9 55.9 83.9



#10
 Heptane
 Concen: 2.350 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. -0.003 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

Tgt Ion: 43 Resp: 279130
 Ion Ratio Lower Upper
 43 100
 57 50.9 40.5 60.7

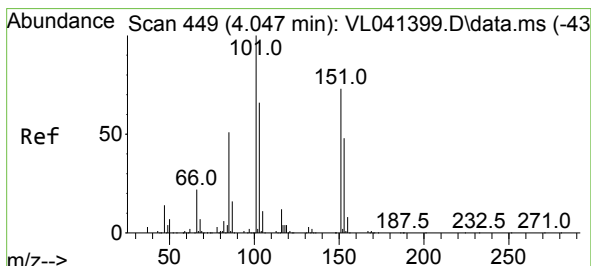
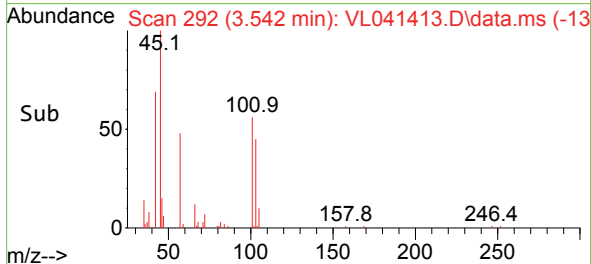
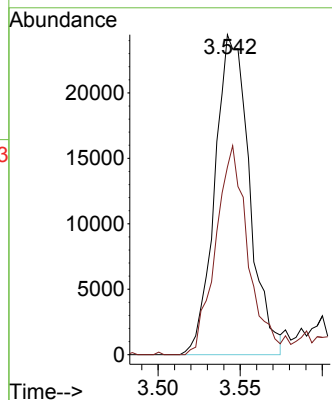
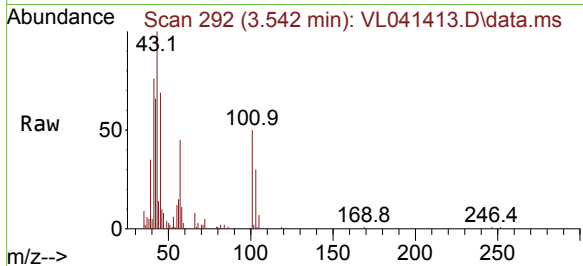




#11
 Trichlorofluoromethane
 Concen: 0.242 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.000 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

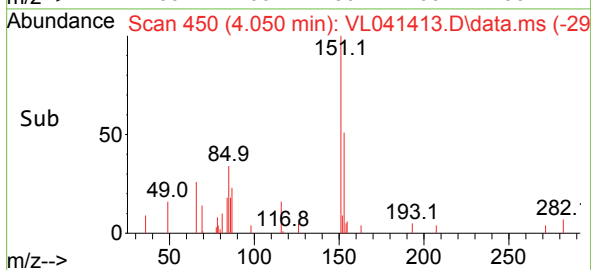
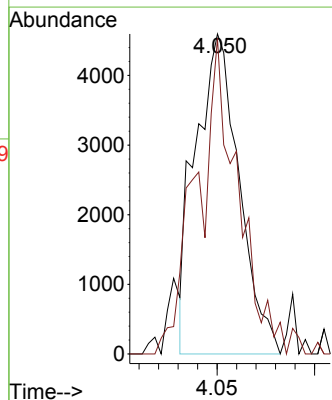
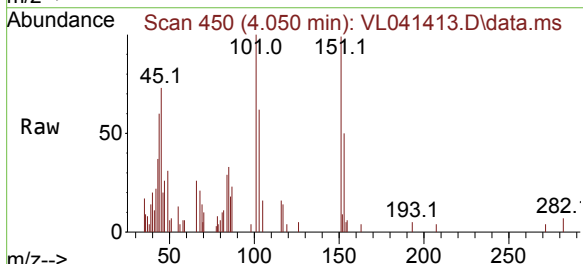
Instrument :
 MSVOA_L
 ClientSampleId :

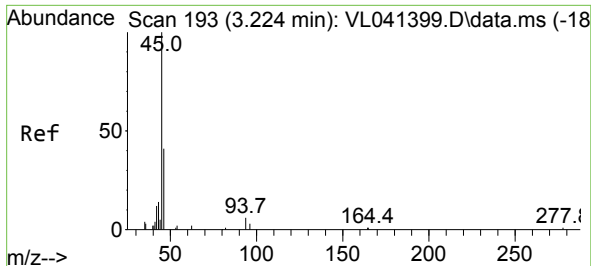
Tgt Ion:101 Resp: 35738
 Ion Ratio Lower Upper
 101 100
 103 58.6 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.067 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. 0.003 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

Tgt Ion:101 Resp: 7148
 Ion Ratio Lower Upper
 101 100
 151 94.1 59.4 89.2#

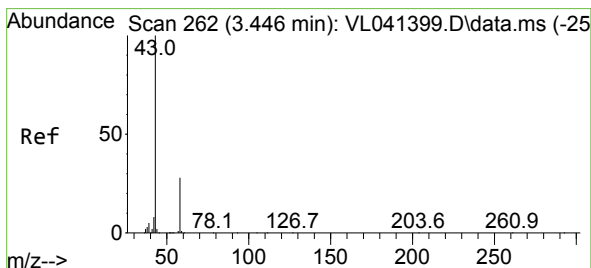
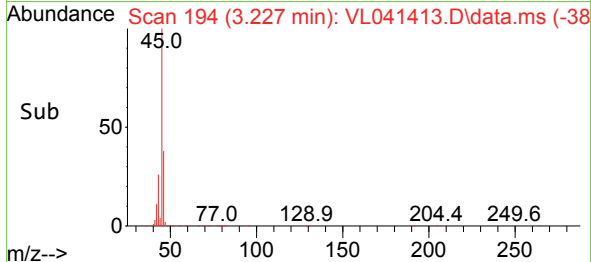
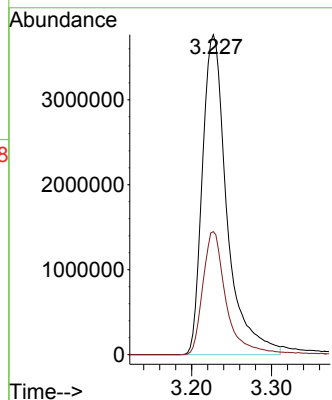
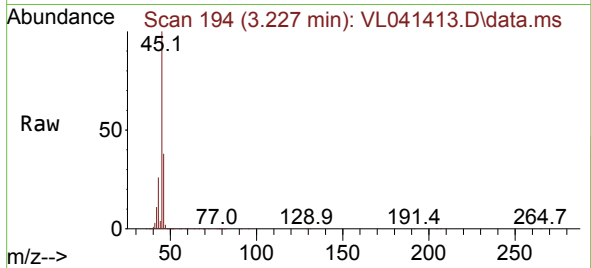




#13
 Ethanol
 Concen: 1704.777 ppbv
 RT: 3.227 min Scan# 19
 Delta R.T. 0.003 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

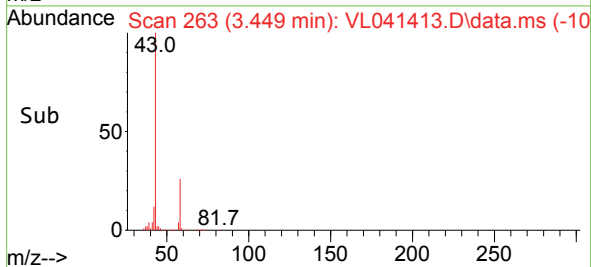
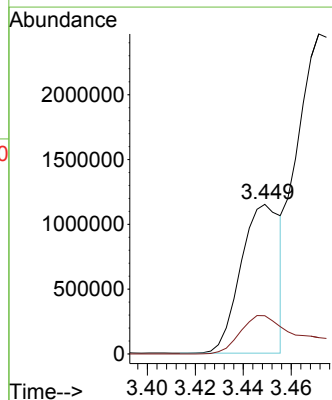
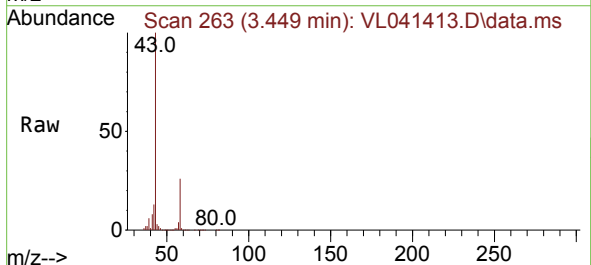
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 ClientSampleId :

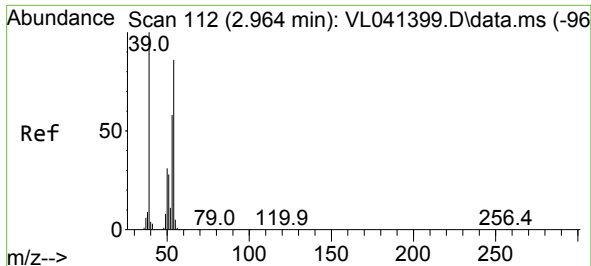
Tgt Ion: 45 Resp: 8054904
 Ion Ratio Lower Upper
 45 100
 46 38.0 13.4 53.4



#15
 Acetone
 Concen: 11.922 ppbv
 RT: 3.449 min Scan# 263
 Delta R.T. 0.003 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

Tgt Ion: 43 Resp: 1309425
 Ion Ratio Lower Upper
 43 100
 58 44.1 21.4 32.2#

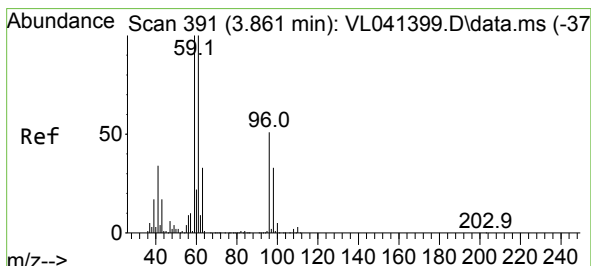
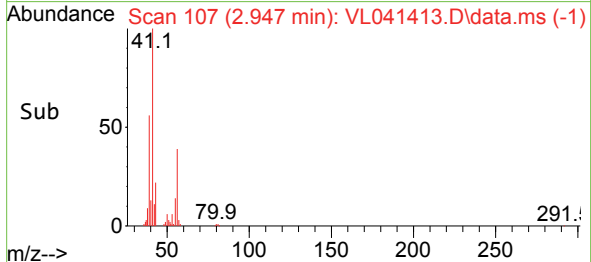
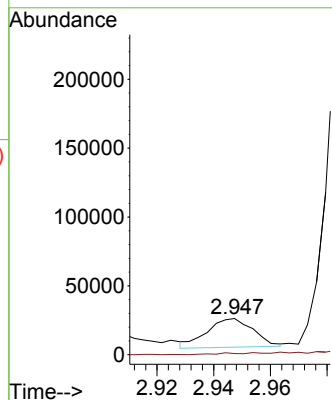
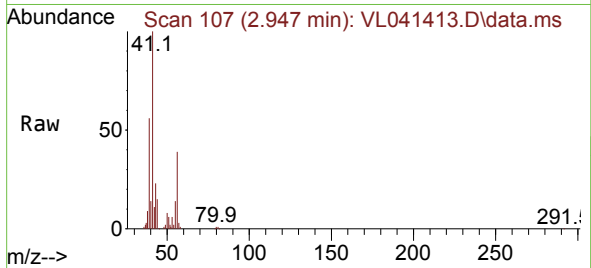




#16
1,3-Butadiene
Concen: 0.405 ppbv
RT: 2.947 min Scan# 107
Delta R.T. -0.016 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

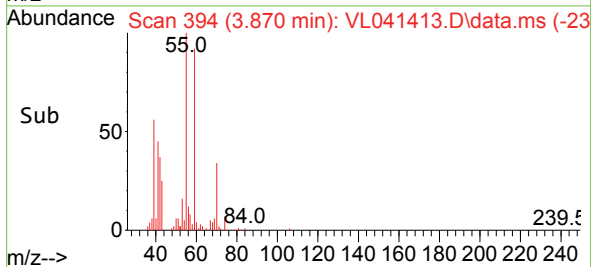
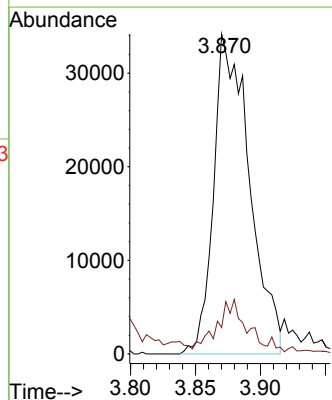
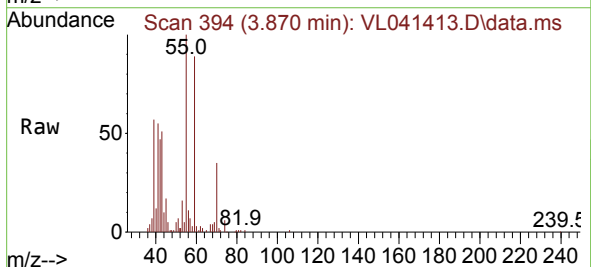
Instrument :
MSVOA_L
ClientSampleId :

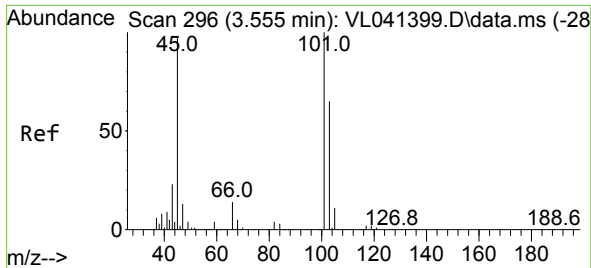
Tgt Ion: 39 Resp: 23755
Ion Ratio Lower Upper
39 100
54 0.0 62.5 93.7#



#17
tert-Butyl alcohol
Concen: 0.653 ppbv
RT: 3.870 min Scan# 394
Delta R.T. 0.010 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 59 Resp: 65417
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

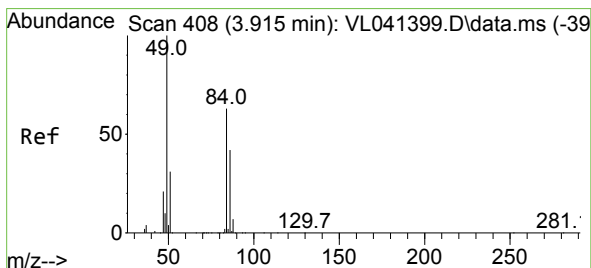
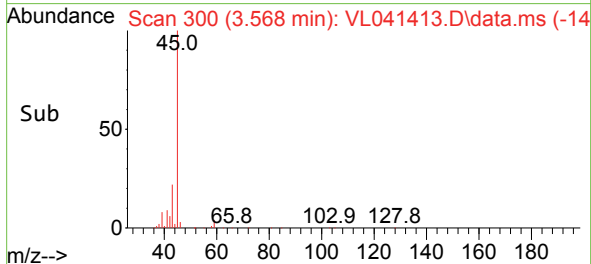
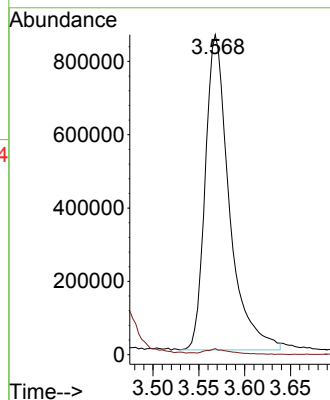
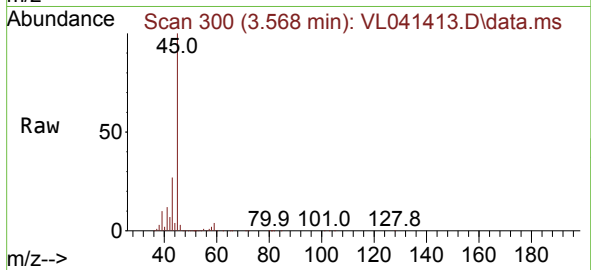




#19
Isopropyl Alcohol
Concen: 24.430 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.013 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

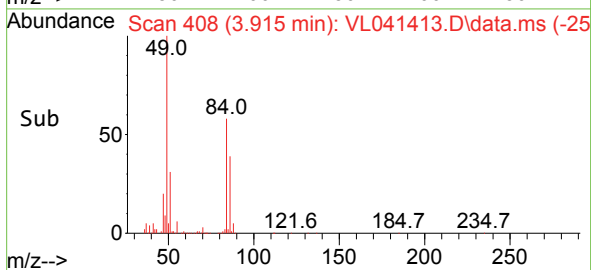
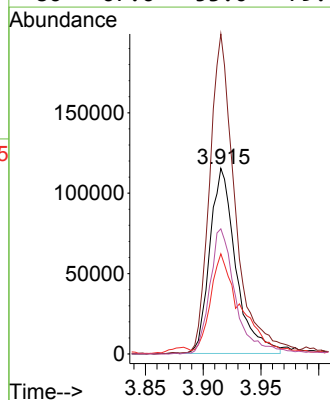
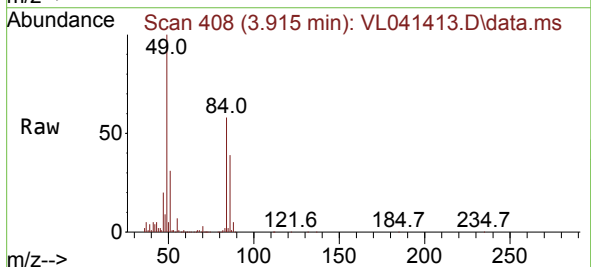
Instrument :
MSVOA_L
ClientSampleId :

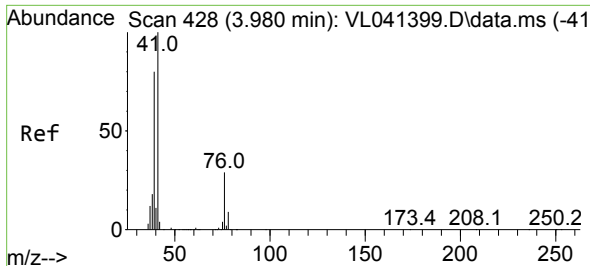
Tgt Ion: 45 Resp: 1568690
Ion Ratio Lower Upper
45 100
58 2.4 1.9 2.9



#20
Methylene Chloride
Concen: 4.426 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.000 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 84 Resp: 181266
Ion Ratio Lower Upper
84 100
49 172.4 126.6 190.0
51 51.0 38.6 58.0
86 67.6 53.0 79.4

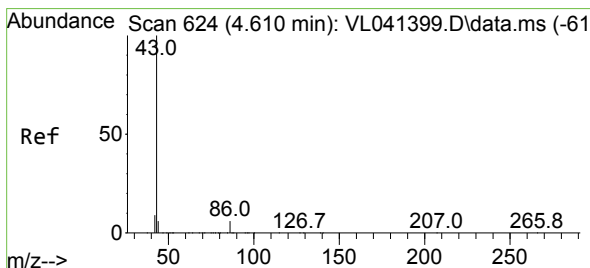
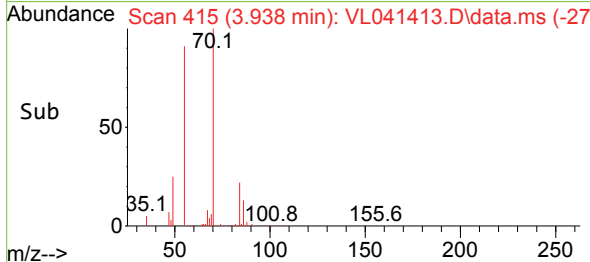
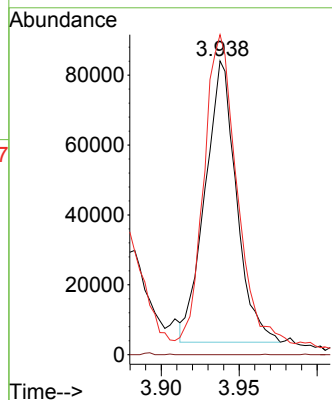
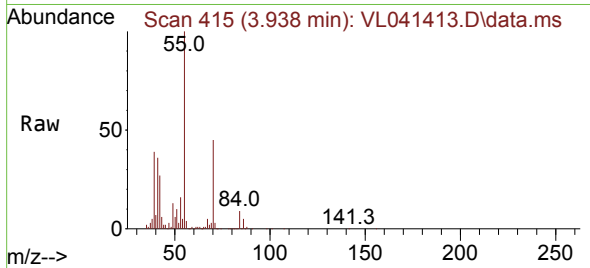




#21
Allyl Chloride
Concen: 1.560 ppbv
RT: 3.938 min Scan# 41
Delta R.T. -0.042 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

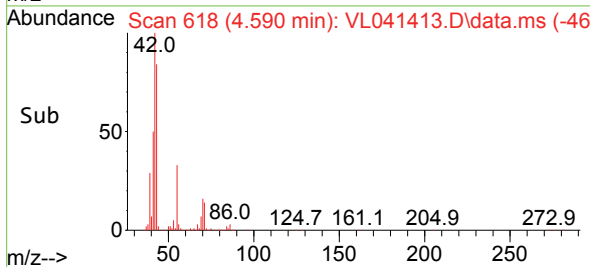
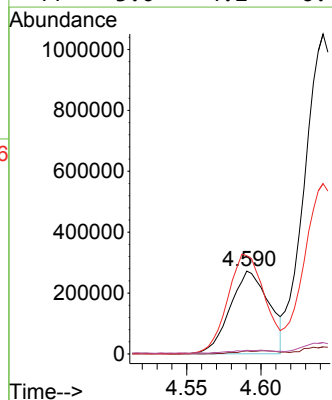
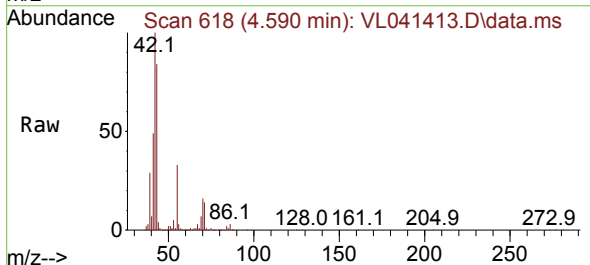
Instrument :
MSVOA_L
ClientSampleId :

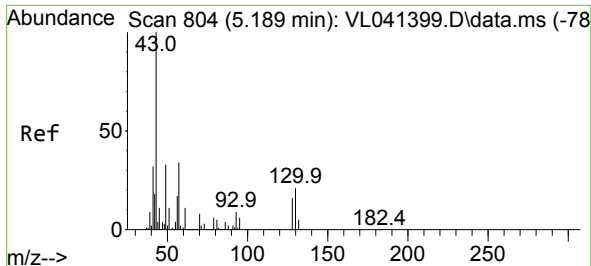
Tgt Ion: 41 Resp: 112344
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 130.6 64.3 96.5#



#23
Vinyl Acetate
Concen: 5.922 ppbv
RT: 4.590 min Scan# 618
Delta R.T. -0.019 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

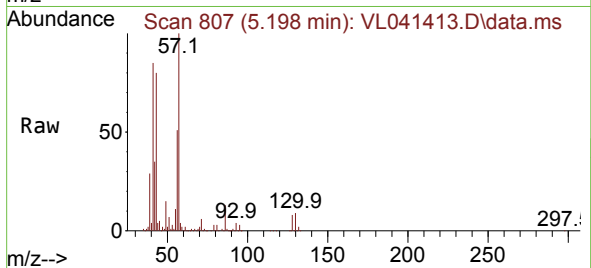
Tgt Ion: 43 Resp: 496775
Ion Ratio Lower Upper
43 100
86 3.7 4.6 6.8#
42 118.7 7.9 11.9#
44 3.0 4.2 6.4#





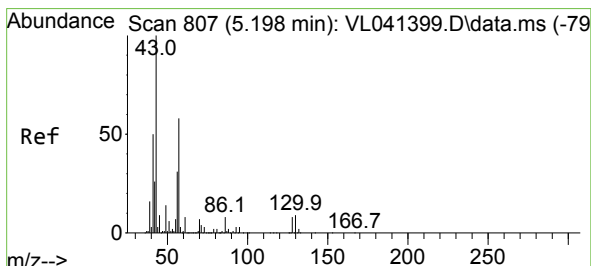
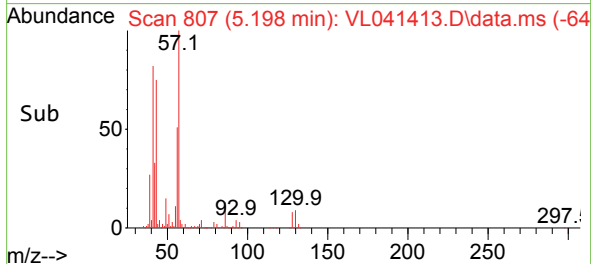
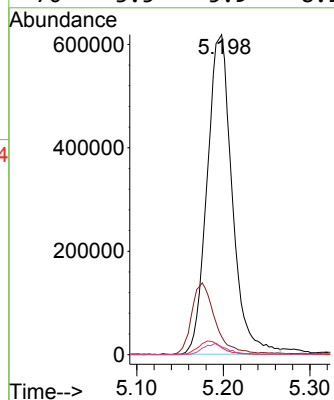
#25
Ethyl Acetate
Concen: 5.686 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.010 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 1240716

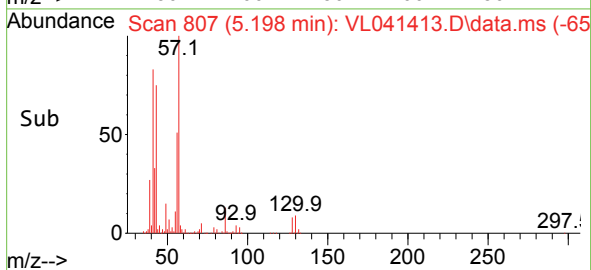
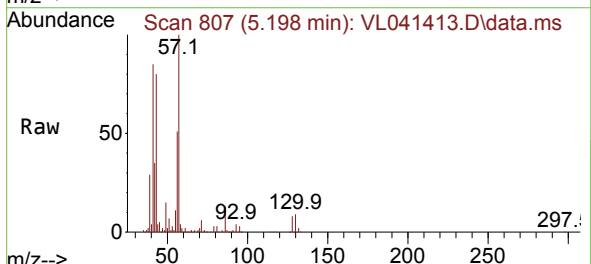
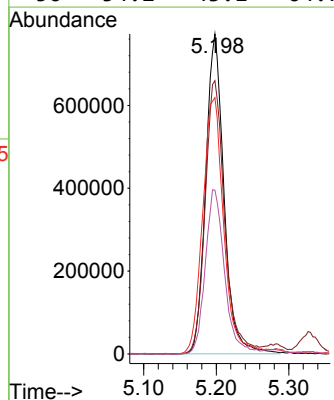
Ion	Ratio	Lower	Upper
43	100		
45	22.3	8.5	12.7#
61	4.2	8.0	12.0#
70	3.5	5.9	8.9#

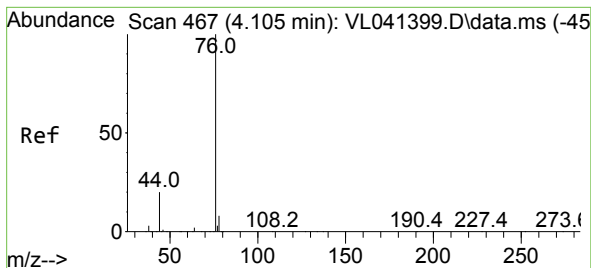


#26
Hexane
Concen: 14.970 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.000 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 57 Resp: 1355075

Ion	Ratio	Lower	Upper
57	100		
41	91.9	74.0	111.0
43	92.7	193.6	290.4#
56	54.2	43.1	64.7





#27

Carbon Disulfide

Concen: 0.159 ppbv

RT: 4.105 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL041413.D

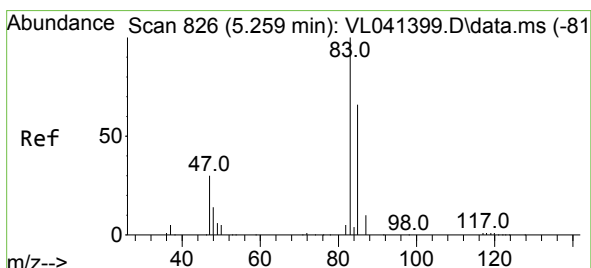
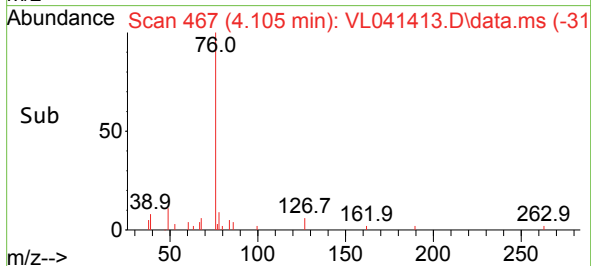
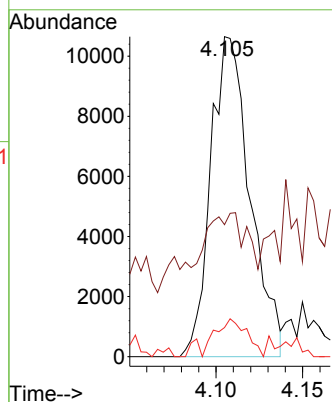
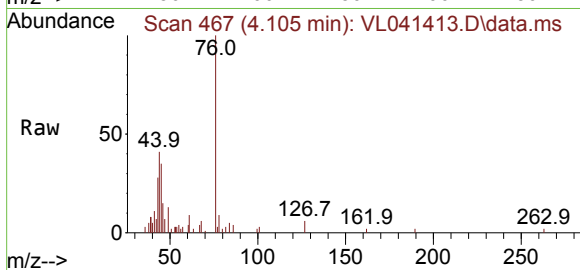
Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76	Resp: 16790
Ion Ratio	Lower Upper
76 100	
44 32.7	15.6 23.4#
78 16.9	7.7 11.5#



#29

Chloroform

Concen: 0.168 ppbv

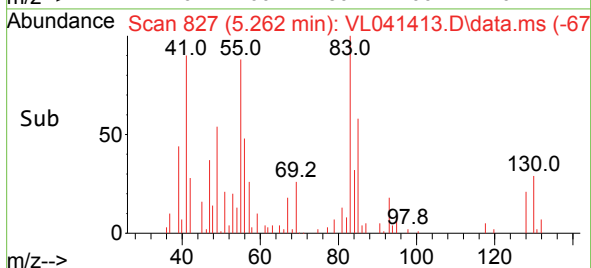
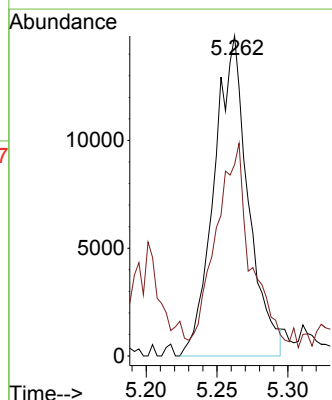
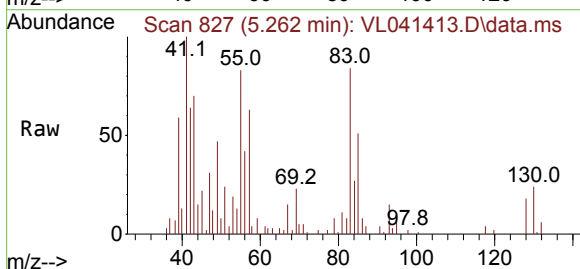
RT: 5.262 min Scan# 827

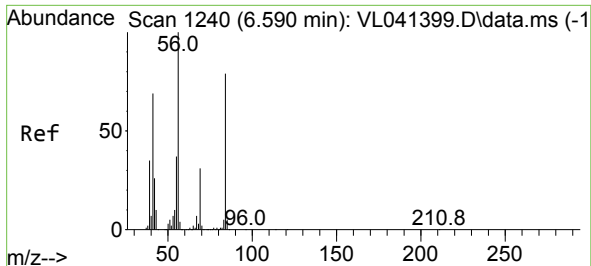
Delta R.T. 0.003 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Tgt Ion: 83	Resp: 24864
Ion Ratio	Lower Upper
83 100	
85 53.1	53.1 79.7

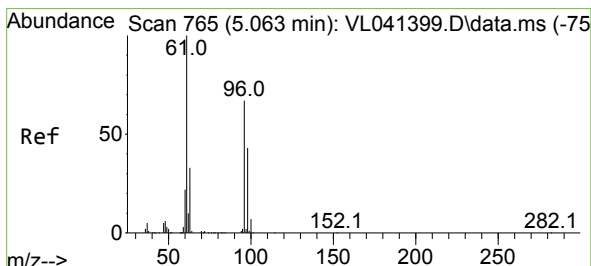
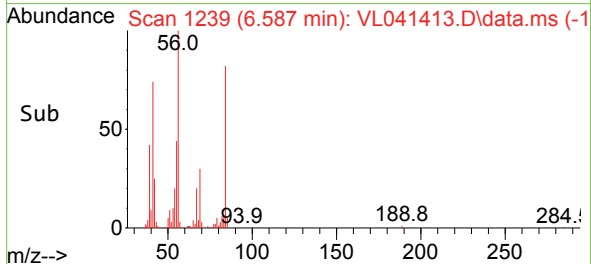
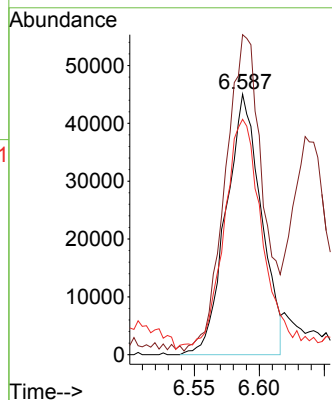
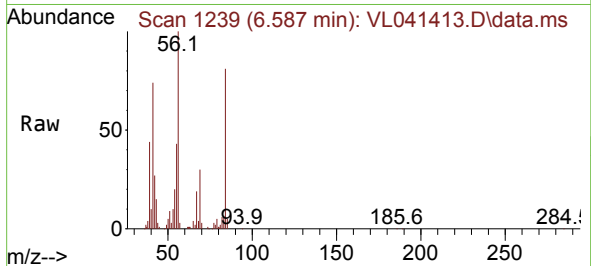




#30
Cyclohexane
Concen: 1.148 ppbv
RT: 6.587 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

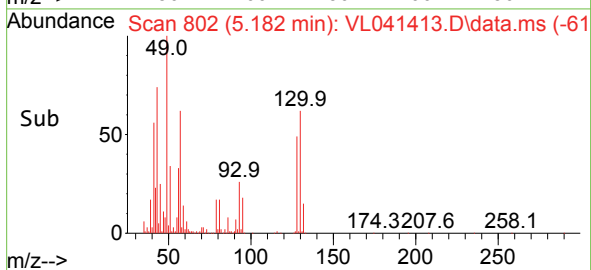
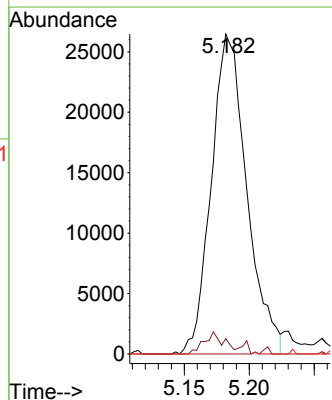
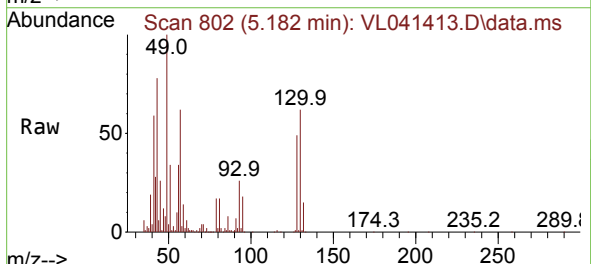
Instrument :
MSVOA_L
ClientSampleId :

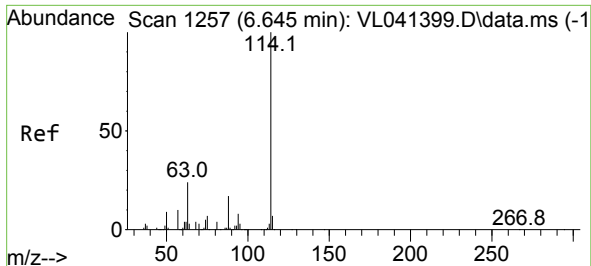
Tgt Ion: 84 Resp: 84605
Ion Ratio Lower Upper
84 100
56 121.4 111.2 166.8
41 93.1 70.3 105.5



#31
cis-1,2-Dichloroethene
Concen: 0.562 ppbv
RT: 5.182 min Scan# 802
Delta R.T. 0.119 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

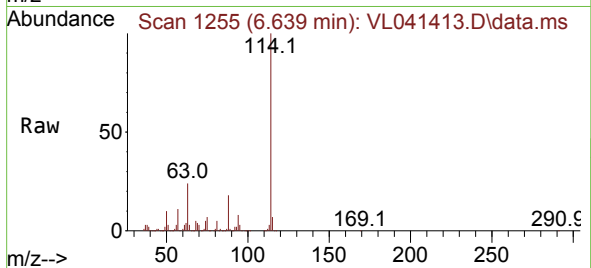
Tgt Ion: 61 Resp: 50215
Ion Ratio Lower Upper
61 100
96 4.8 53.4 80.2#
98 0.0 34.4 51.6#



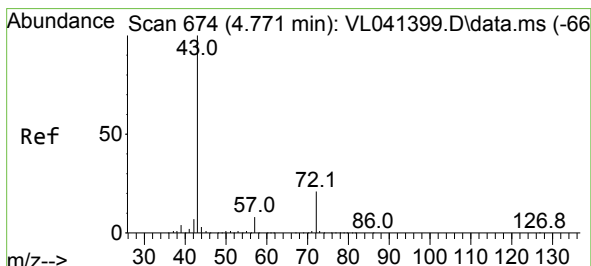
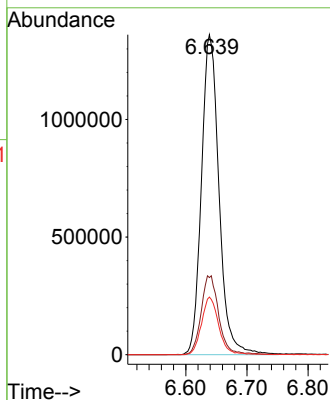
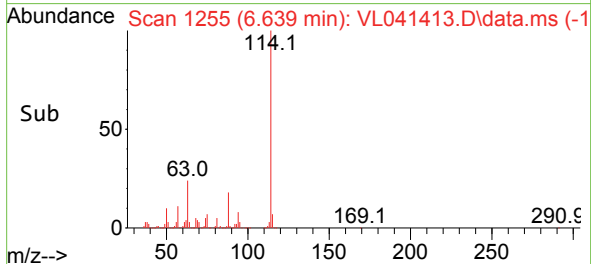


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.639 min Scan# 114
 Delta R.T. -0.007 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

Instrument :
 MSVOA_L
 ClientSampleId :

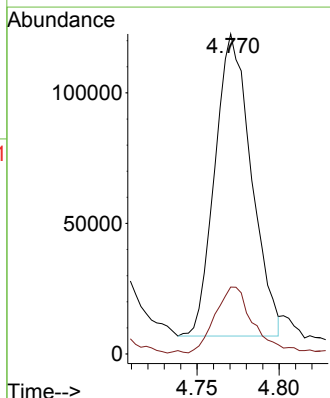
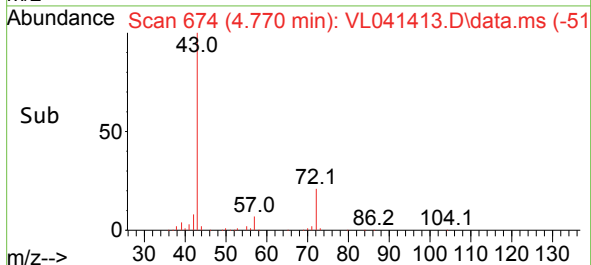
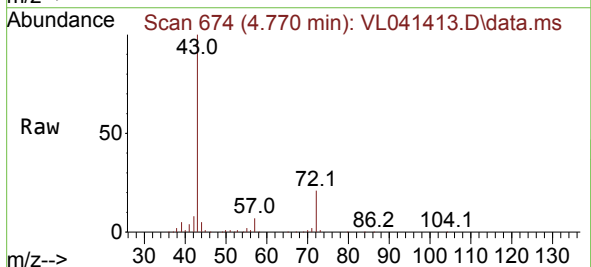


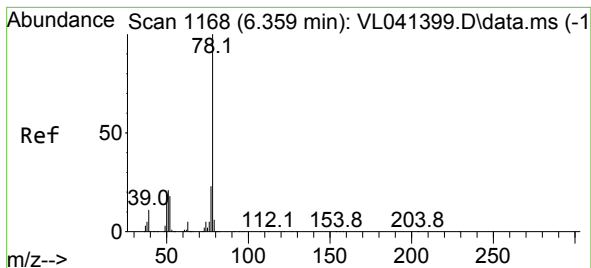
Tgt Ion:114 Resp: 2713664
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.3 30.5
 88 17.8 14.3 21.5



#34
 2-Butanone
 Concen: 1.359 ppbv
 RT: 4.770 min Scan# 674
 Delta R.T. -0.000 min
 Lab File: VL041413.D
 Acq: 26 Jul 2024 9:24

Tgt Ion: 43 Resp: 178340
 Ion Ratio Lower Upper
 43 100
 72 25.1 17.3 25.9





#36

Benzene

Concen: 3.405 ppbv

RT: 6.352 min Scan# 1166

Delta R.T. -0.007 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

ClientSampleId :

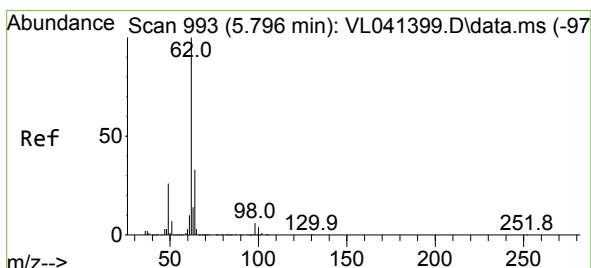
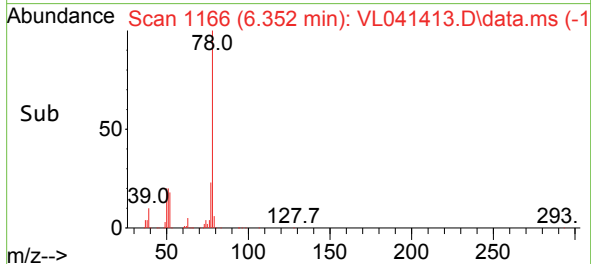
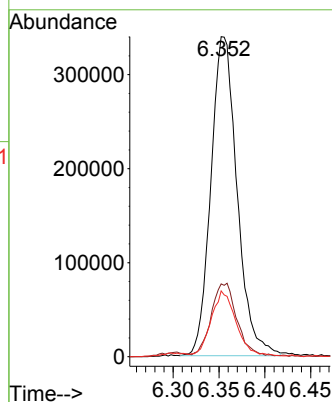
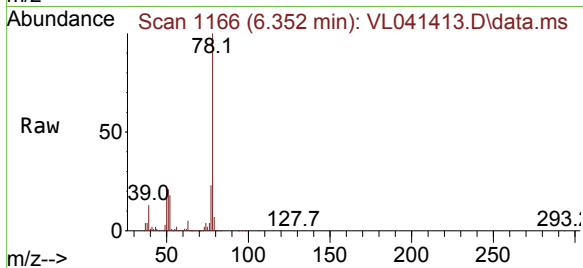
Tgt Ion: 78 Resp: 675118

Ion Ratio Lower Upper

78 100

77 22.5 18.1 27.1

50 20.3 15.5 23.3



#37

1,2-Dichloroethane

Concen: 0.052 ppbv

RT: 5.790 min Scan# 991

Delta R.T. -0.007 min

Lab File: VL041413.D

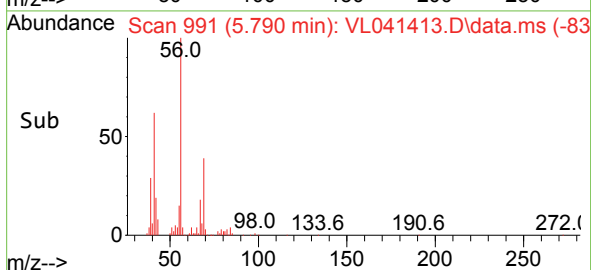
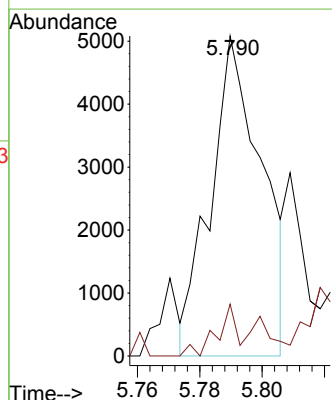
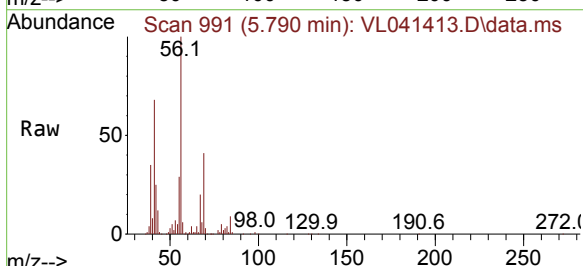
Acq: 26 Jul 2024 9:24

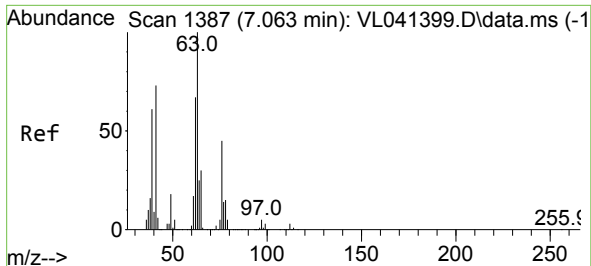
Tgt Ion: 62 Resp: 5769

Ion Ratio Lower Upper

62 100

98 0.0 5.0 7.4#





#39

1,2-Dichloropropane

Concen: 8.701 ppbv

RT: 6.635 min Scan# 11

Delta R.T. -0.428 min

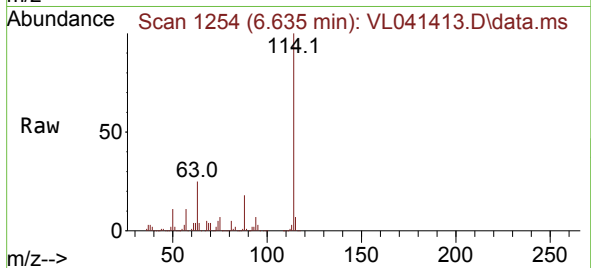
Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

ClientSampleId :



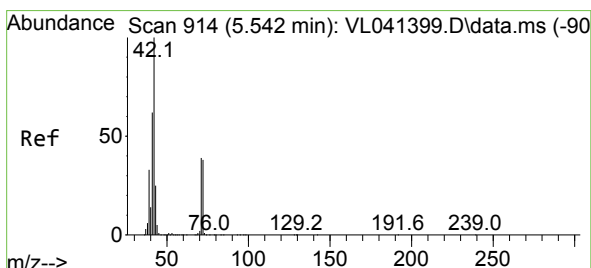
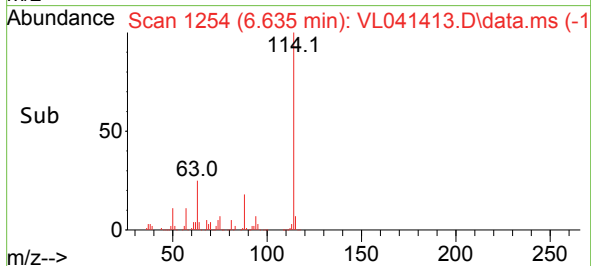
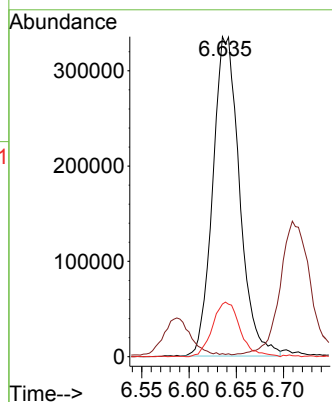
Tgt Ion: 63 Resp: 660501

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 16.5 53.9 80.9#



#41

Tetrahydrofuran

Concen: 0.092 ppbv

RT: 5.545 min Scan# 915

Delta R.T. 0.003 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

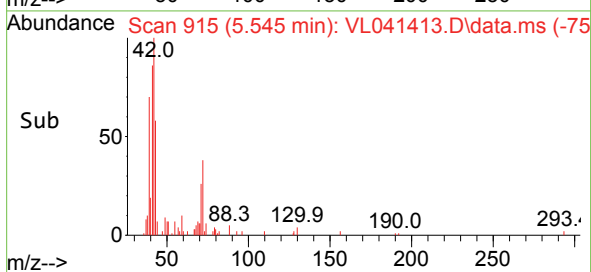
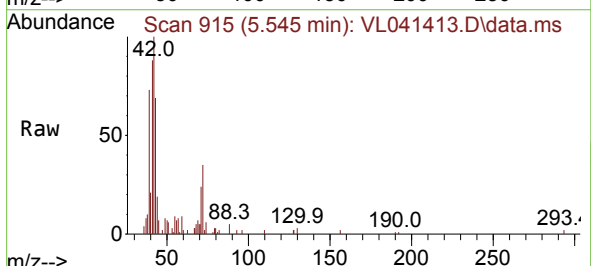
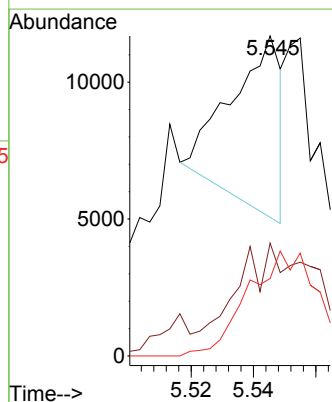
Tgt Ion: 42 Resp: 6900

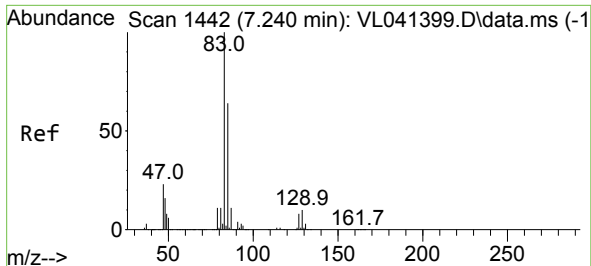
Ion Ratio Lower Upper

42 100

72 129.7 31.2 46.8#

71 105.1 30.5 45.7#

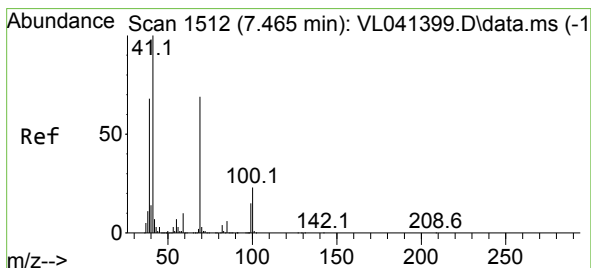
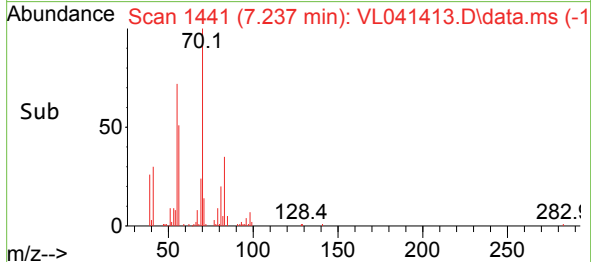
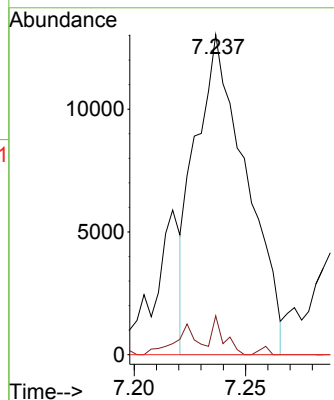
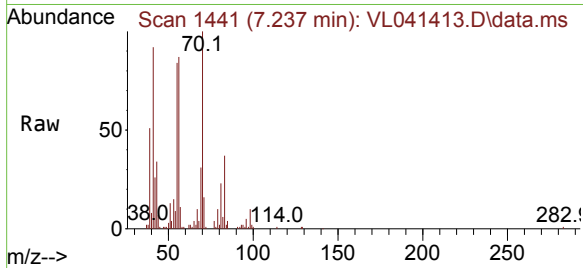




#42
Bromodichloromethane
Concen: 0.130 ppbv
RT: 7.237 min Scan# 1442
Delta R.T. -0.003 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

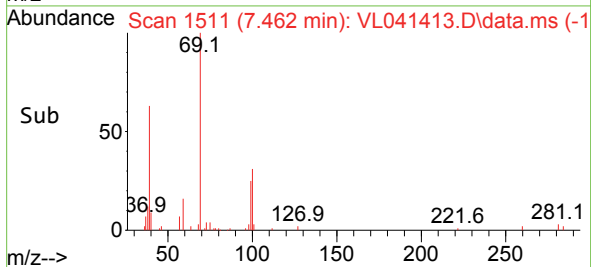
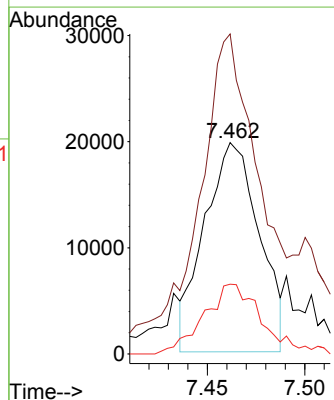
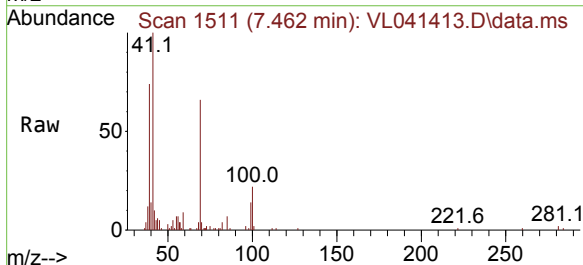
Instrument :
MSVOA_L
ClientSampleId :

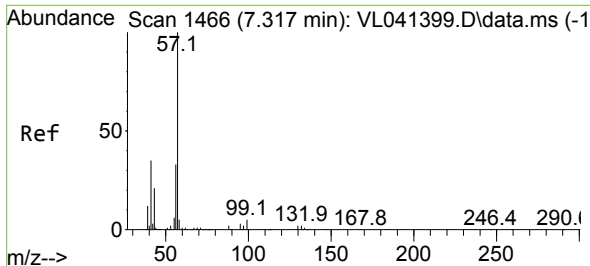
Tgt Ion: 83 Resp: 20765
Ion Ratio Lower Upper
83 100
85 13.5 51.4 77.0#
127 0.0 6.7 10.1#



#43
Methyl Methacrylate
Concen: 0.542 ppbv
RT: 7.462 min Scan# 1511
Delta R.T. -0.003 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 69 Resp: 38520
Ion Ratio Lower Upper
69 100
41 191.4 118.7 178.1#
100 35.6 27.0 40.4

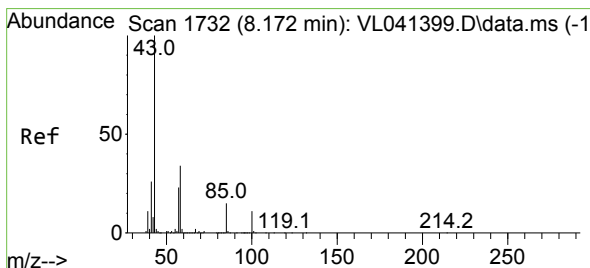
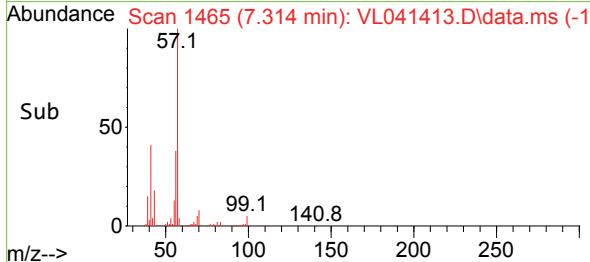
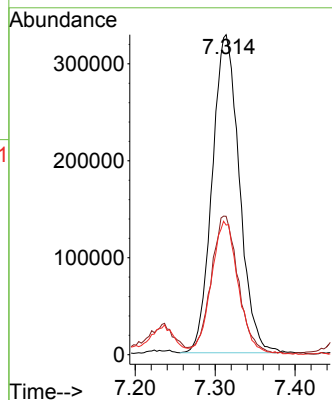
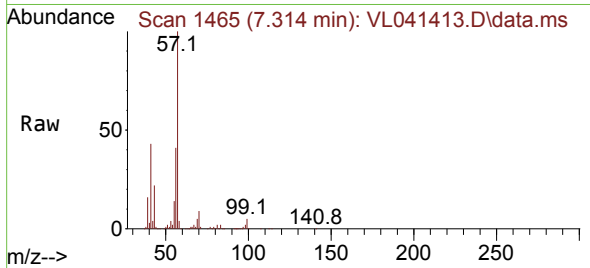




#44
2,2,4-Trimethylpentane
Concen: 2.335 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.003 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

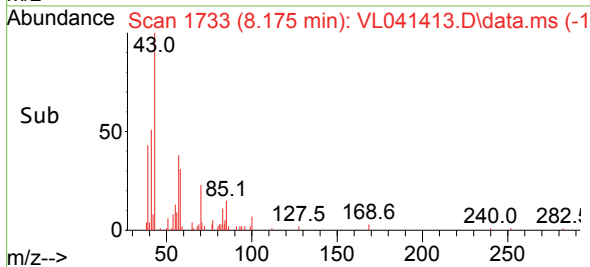
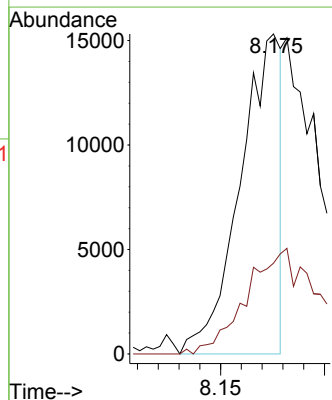
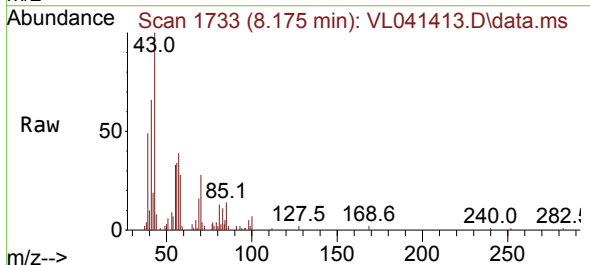
Instrument :
MSVOA_L
ClientSampleId :

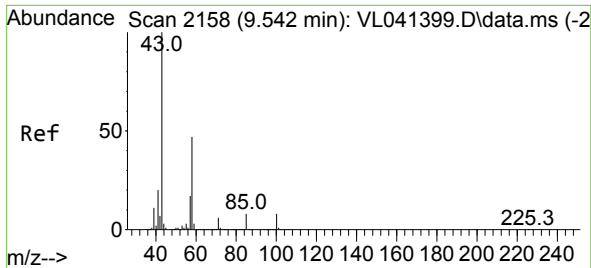
Tgt Ion: 57 Resp: 773293
Ion Ratio Lower Upper
57 100
41 43.9 27.0 40.6#
56 42.2 25.2 37.8#



#50
4-Methyl-2-Pentanone
Concen: 0.101 ppbv
RT: 8.175 min Scan# 1733
Delta R.T. 0.003 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 43 Resp: 20955
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#

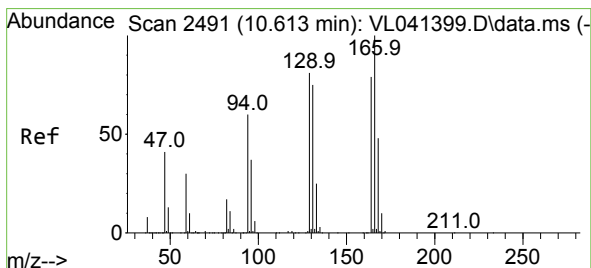
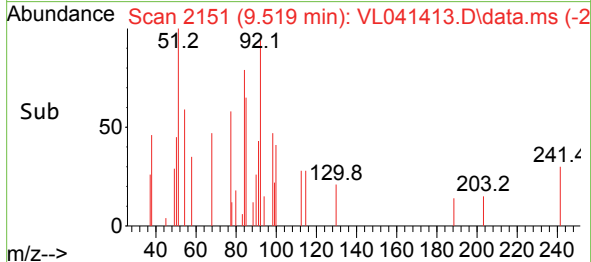
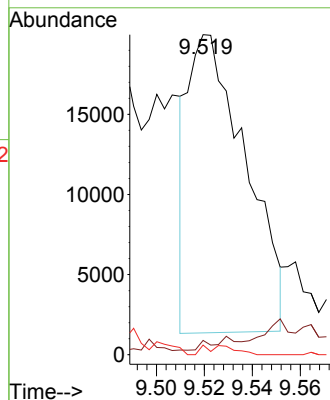
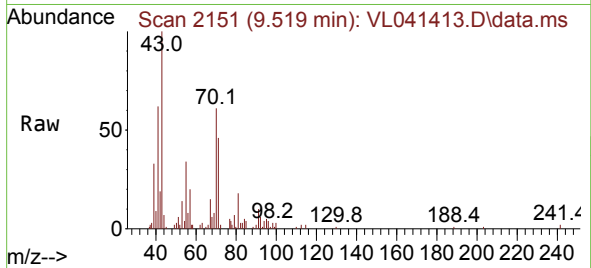




#51
2-Hexanone
Concen: 0.198 ppbv
RT: 9.519 min Scan# 2158
Delta R.T. -0.023 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

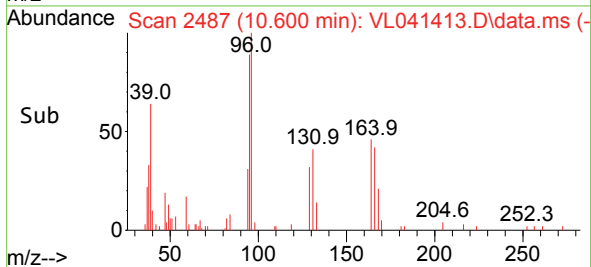
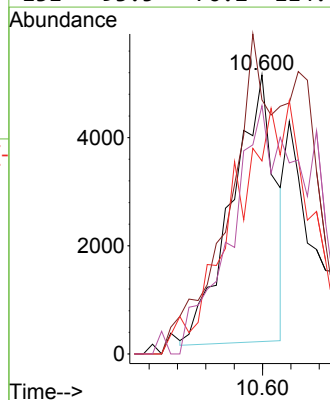
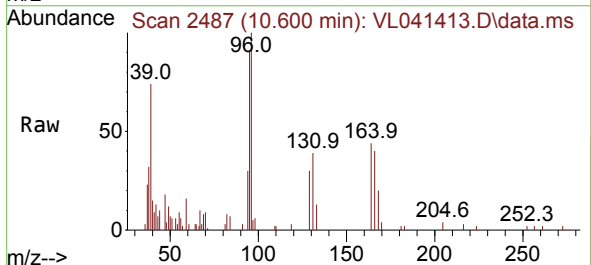
Instrument :
MSVOA_L
ClientSampleId :

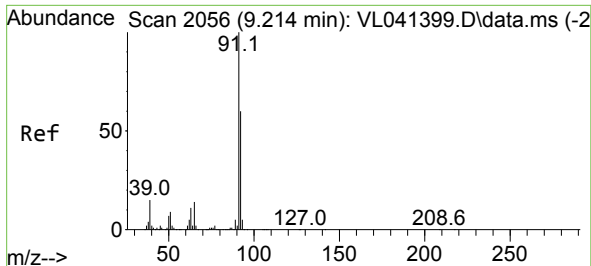
Tgt Ion: 43 Resp: 30965
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 1.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.067 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.013 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 164 Resp: 5171
Ion Ratio Lower Upper
164 100
166 81.5 101.1 151.7#
129 58.5 81.7 122.5#
131 93.5 76.2 114.4

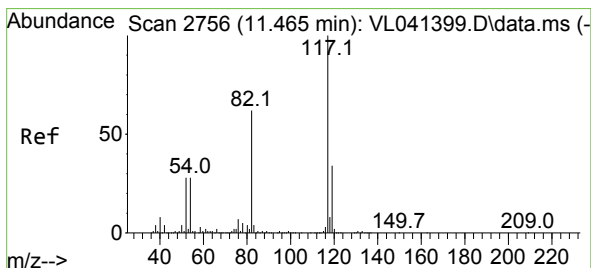
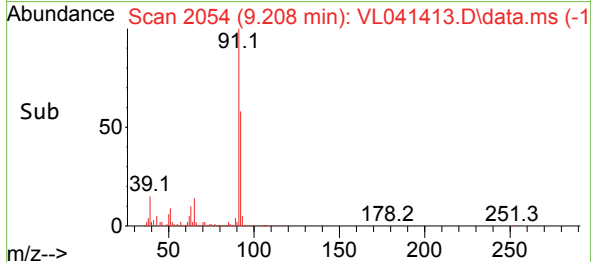
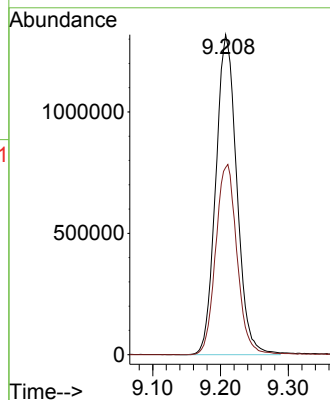
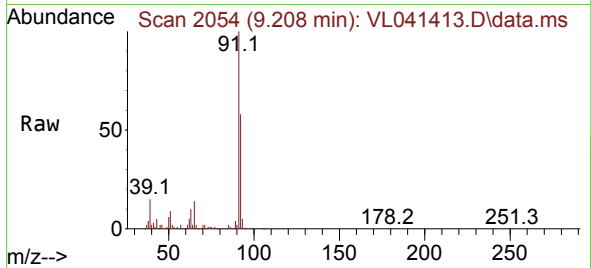




#53
Toluene
Concen: 12.855 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. -0.007 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

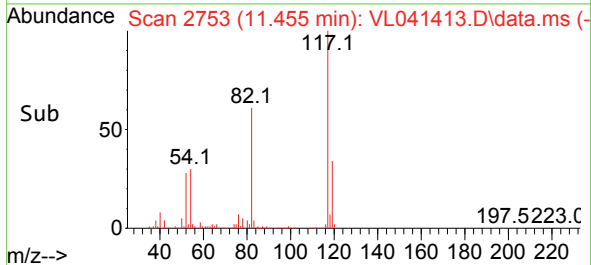
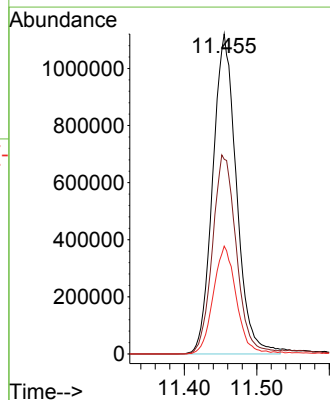
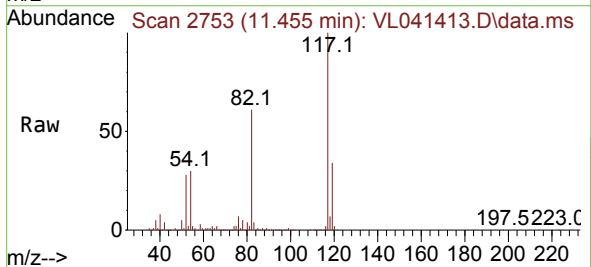
Instrument :
MSVOA_L
ClientSampleId :

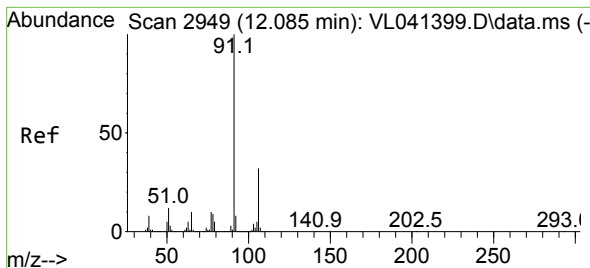
Tgt Ion: 91 Resp: 2839197
Ion Ratio Lower Upper
91 100
92 60.8 48.7 73.1



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.010 min
Lab File: VL041413.D
Acq: 26 Jul 2024 9:24

Tgt Ion: 117 Resp: 2543114
Ion Ratio Lower Upper
117 100
82 63.2 51.0 76.6
119 33.5 45.2 67.8#





#58

Ethyl Benzene

Concen: 2.486 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. -0.010 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

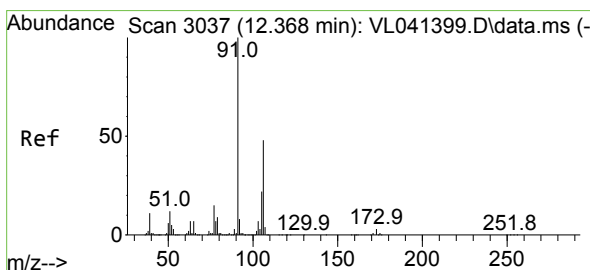
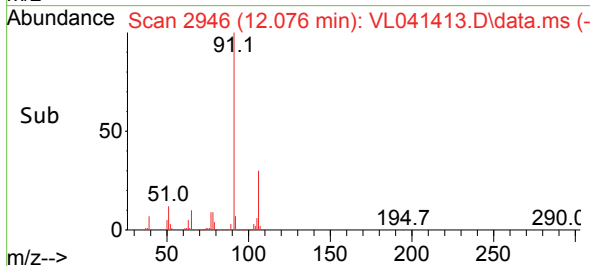
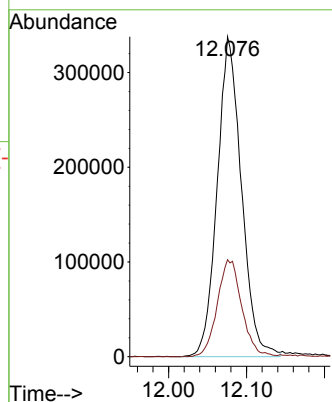
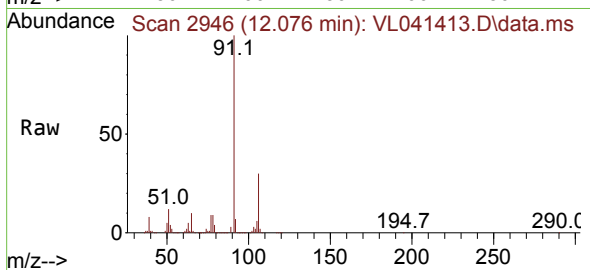
ClientSampleId :

Tgt Ion: 91 Resp: 728571

Ion Ratio Lower Upper

91 100

106 30.3 25.8 38.8



#59

m/p-Xylene

Concen: 3.456 ppbv

RT: 12.333 min Scan# 3026

Delta R.T. -0.036 min

Lab File: VL041413.D

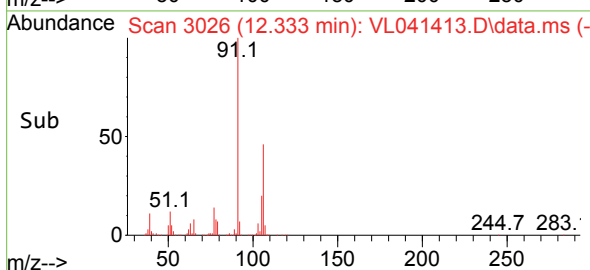
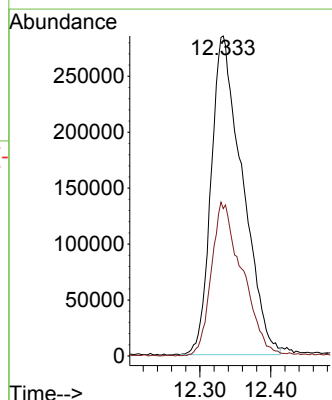
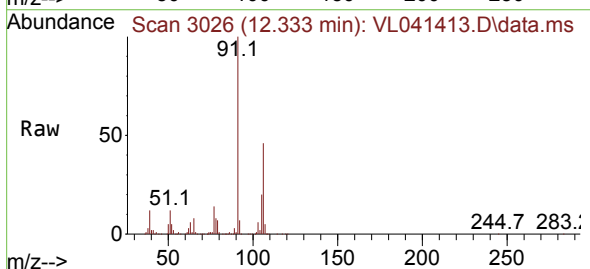
Acq: 26 Jul 2024 9:24

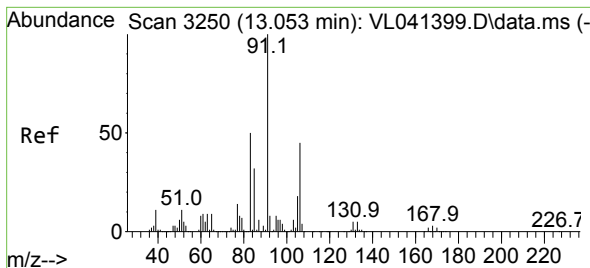
Tgt Ion: 91 Resp: 874585

Ion Ratio Lower Upper

91 100

106 48.1 36.3 54.5





#60

o-Xylene

Concen: 1.371 ppbv

RT: 13.047 min Scan# 3198

Delta R.T. -0.007 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

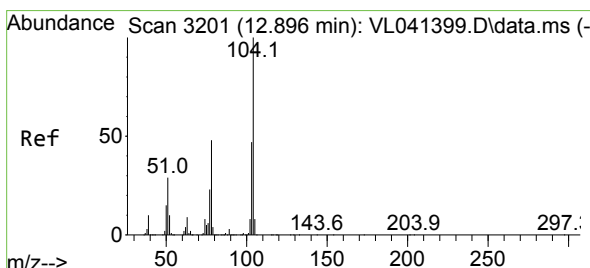
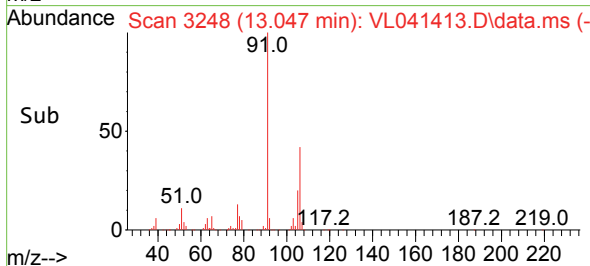
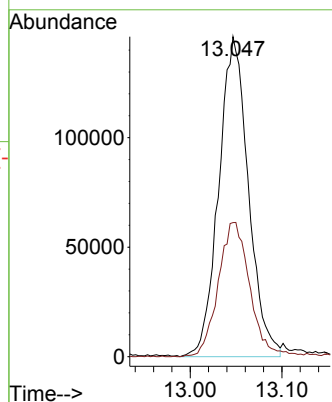
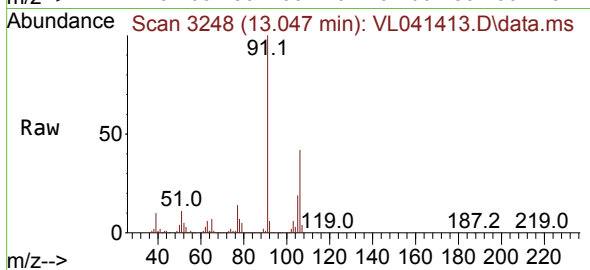
ClientSampleId :

Tgt Ion: 91 Resp: 328241

Ion Ratio Lower Upper

91 100

106 45.0 23.1 69.3



#61

Styrene

Concen: 3.154 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.010 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

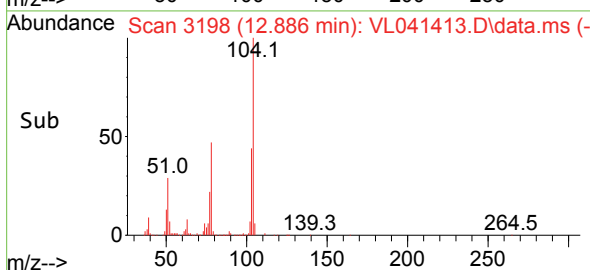
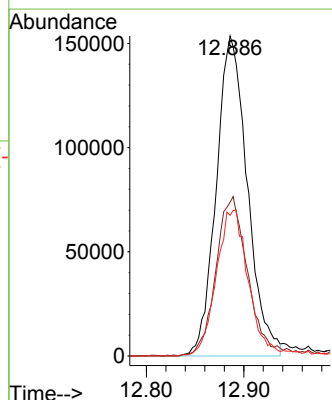
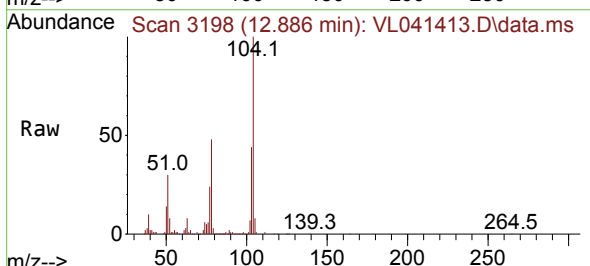
Tgt Ion: 104 Resp: 340598

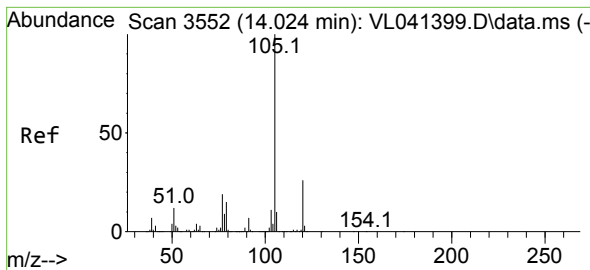
Ion Ratio Lower Upper

104 100

78 52.2 40.8 61.2

103 47.7 38.2 57.4





#62

Isopropylbenzene

Concen: 0.055 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.007 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

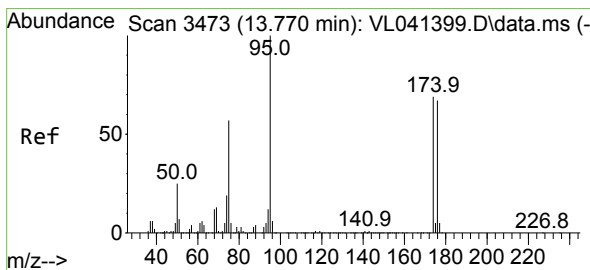
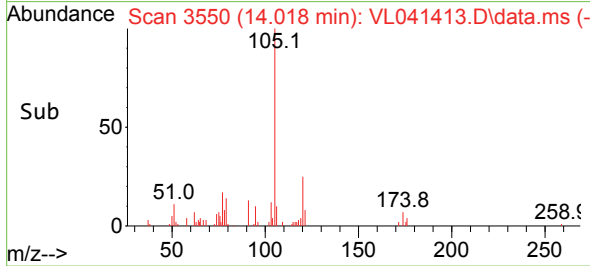
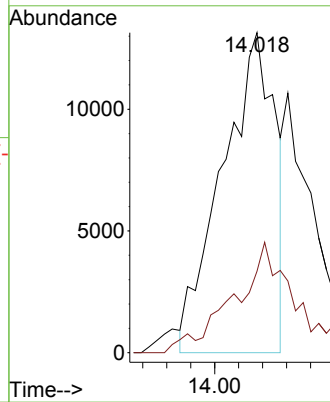
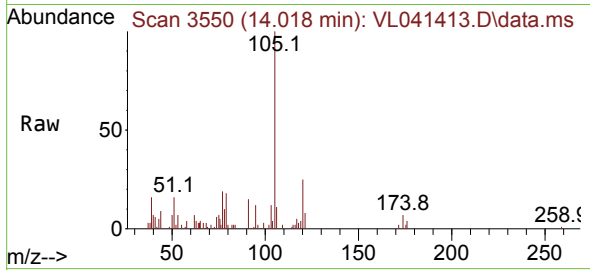
ClientSampleId :

Tgt Ion:105 Resp: 20041

Ion Ratio Lower Upper

105 100

120 40.3 21.0 31.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.714 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.007 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

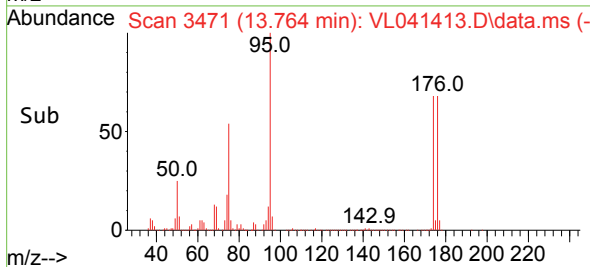
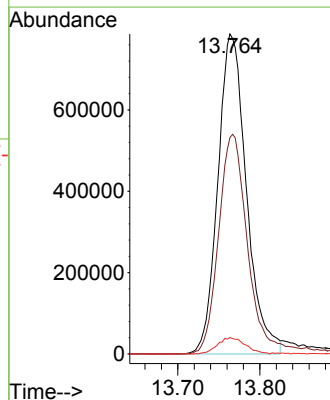
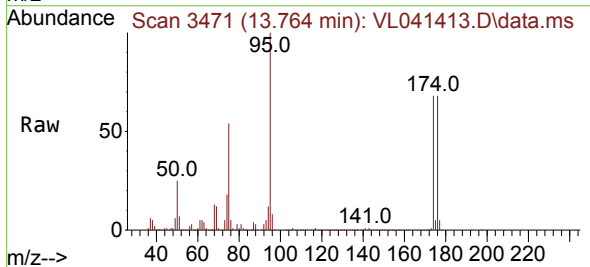
Tgt Ion: 95 Resp: 1901207

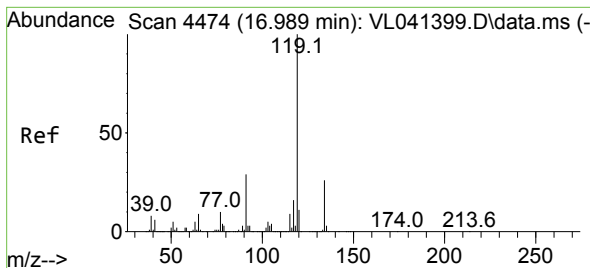
Ion Ratio Lower Upper

95 100

174 72.5 56.3 84.5

175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.081 ppbv

RT: 16.985 min Scan# 4474

Delta R.T. -0.003 min

Lab File: VL041413.D

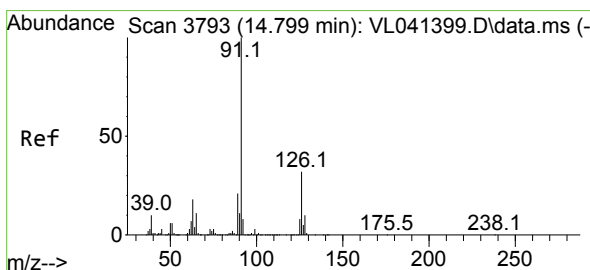
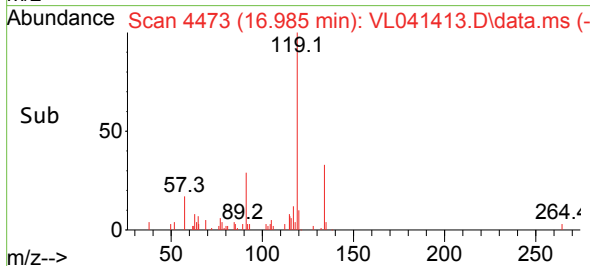
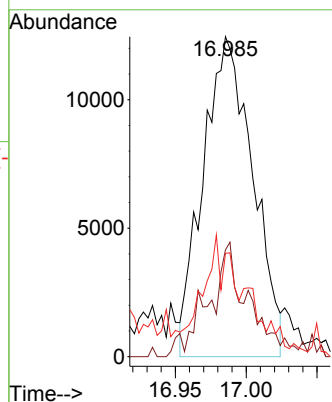
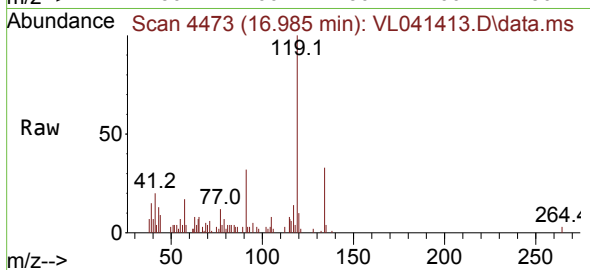
Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:119	Resp:	30353
Ion	Ratio	Lower Upper
119	100	
134	30.4	20.5 30.7
91	31.2	23.2 34.8



#71

2-Chlorotoluene

Concen: 0.137 ppbv

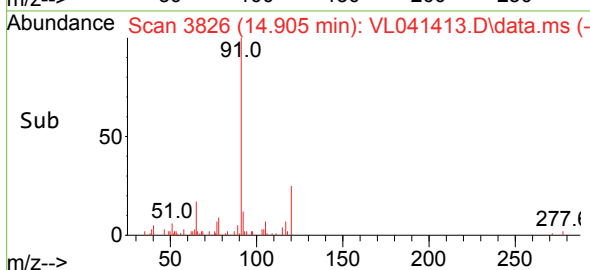
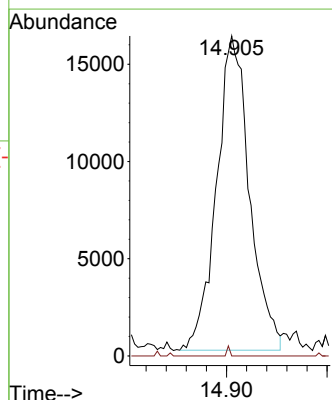
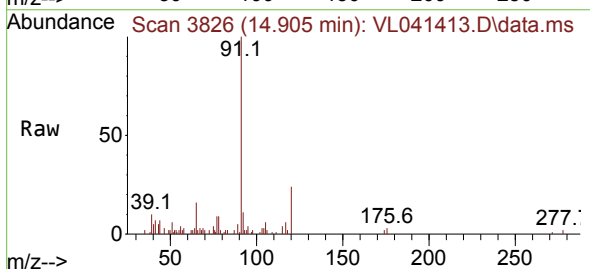
RT: 14.905 min Scan# 3826

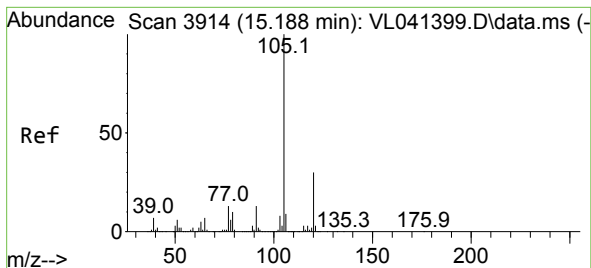
Delta R.T. 0.106 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Tgt Ion: 91	Resp:	36744
Ion	Ratio	Lower Upper
91	100	
126	0.0	12.7 50.9





#72

4-Ethyltoluene

Concen: 0.116 ppbv

RT: 15.182 min Scan# 3914

Delta R.T. -0.007 min MSVOA_L

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 32669

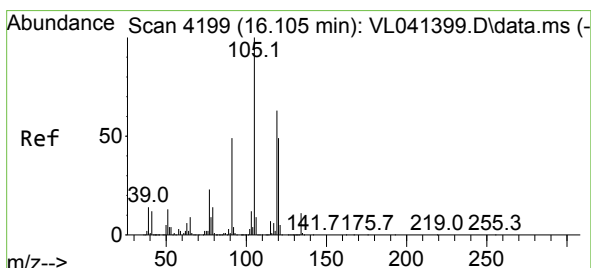
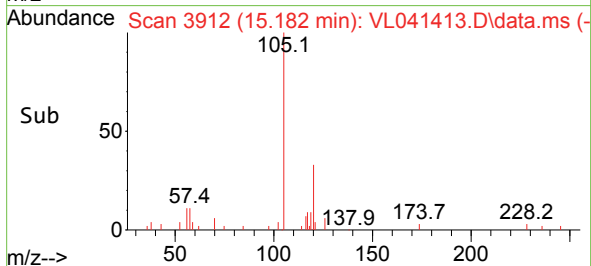
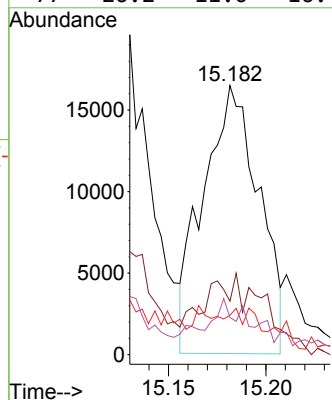
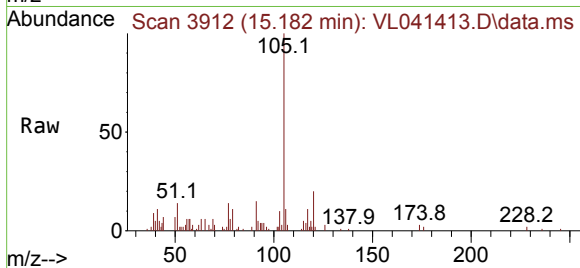
Ion Ratio Lower Upper

105 100

120 36.7 24.2 36.2#

91 17.5 10.4 15.6#

77 26.2 11.0 16.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.309 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.007 min

Lab File: VL041413.D

Acq: 26 Jul 2024 9:24

Tgt Ion:105 Resp: 87185

Ion Ratio Lower Upper

105 100

120 39.7 39.5 59.3

91 12.3 39.8 59.8#

77 15.0 18.2 27.4#

