

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041385.D
 Acq On : 22 Jul 2024 14:03
 Operator : SY/MD
 Sample : P3259-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 23 03:14:59 2024

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

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

QLast Update : Tue Jul 23 02:50:01 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.234	49	864098	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.677	114	2438879	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2298602	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1744815	10.128	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	102903	0.698	ppbv	95
3) Chlorodifluoromethane	2.864	51	6694	0.045	ppbv #	76
4) Chloromethane	2.864	50	8256	0.145	ppbv #	64
9) Propene	2.729	41	3394	0.066	ppbv #	15
10) Heptane	7.574	43	29387	0.243	ppbv #	42
11) Trichlorofluoromethane	4.053	101	6112	0.043	ppbv	96
13) Ethanol	3.291	45	10002406	874.518	ppbv	83
15) Acetone	3.459	43	3815838	33.436	ppbv #	50
16) 1,3-Butadiene	3.002	39	77646	1.429	ppbv #	26
17) tert-Butyl alcohol	3.616	59	757508	8.604	ppbv #	90
19) Isopropyl Alcohol	3.616	45	13196170	210.634	ppbv #	94
20) Methylene Chloride	3.967	84	492635	11.897	ppbv	99
21) Allyl Chloride	3.616	41	1741983	25.305	ppbv #	66
23) Vinyl Acetate	4.687	43	5750	0.051	ppbv #	87
25) Ethyl Acetate	5.230	43	22664451	107.852	ppbv #	57
26) Hexane	5.266	57	5484	0.059	ppbv #	1
27) Carbon Disulfide	4.115	76	10220	0.090	ppbv #	1
29) Chloroform	5.314	83	15994	0.111	ppbv	97
31) cis-1,2-Dichloroethene	5.230	61	5922747	66.393	ppbv #	24
32) 1,1,1-Trichloroethane	6.024	97	144808	0.961	ppbv	98
34) 2-Butanone	4.819	43	342281	2.660	ppbv	97
36) Benzene	6.401	78	40693	0.202	ppbv #	92
37) 1,2-Dichloroethane	5.838	62	14761	0.127	ppbv #	92
39) 1,2-Dichloropropane	6.677	63	609971	7.820	ppbv #	22
41) Tetrahydrofuran	5.230	42	3517357	44.123	ppbv #	43
43) Methyl Methacrylate	7.487	69	7172	0.095	ppbv #	1
50) 4-Methyl-2-Pentanone	8.195	43	32470	0.157	ppbv	97
51) 2-Hexanone	9.841	43	41197	0.280	ppbv #	69
53) Toluene	9.230	91	2390825	10.502	ppbv	99
58) Ethyl Benzene	12.095	91	146240	0.476	ppbv	94
59) m/p-Xylene	12.346	91	624985	2.348	ppbv	97
60) o-Xylene	13.060	91	298587	1.189	ppbv	96
61) Styrene	12.899	104	9598	0.079	ppbv #	33
62) Isopropylbenzene	14.031	105	59048	0.152	ppbv	98
64) n-propylbenzene	14.915	120	37378	0.369	ppbv	91
65) tert-Butylbenzene	16.104	119	58350	0.169	ppbv #	25
66) Benzyl Chloride	16.214	91	1103	0.049	ppbv #	67
67) sec-Butylbenzene	16.632	105	46042	0.094	ppbv	97
69) p-Isopropyltoluene	16.995	119	33008	0.082	ppbv #	48
70) n-Butylbenzene	17.889	91	38454	0.093	ppbv #	78
72) 4-Ethyltoluene	15.191	105	200405	0.670	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	249693	0.975	ppbv	96
74) 1,2,4-Trimethylbenzene	16.104	105	702754	2.435	ppbv #	72

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
Data File : VL041385.D
Acq On : 22 Jul 2024 14:03
Operator : SY/MD
Sample : P3259-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

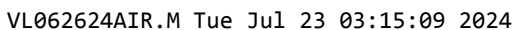
Instrument :
MSVOA_L
ClientSampleId :

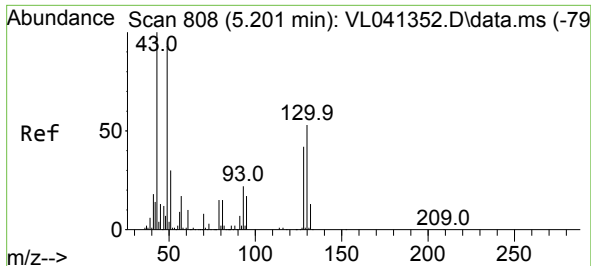
Quant Time: Jul 23 03:14:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 1,4-Dichlorobenzene	16.481	146	6302	0.037	ppbv #	1
79) Naphthalene	21.384	128	18749	0.121	ppbv	97
80) Naphthalene,2-methyl-	24.377	142	1638	4.010	ppbv #	44
81) 1,2,4-Trichlorobenzene	21.146	180	4143	0.043	ppbv #	6

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

Quant Time: Jul 23 03:14:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jul 23 02:50:01 2024
Response via : Initial Calibration

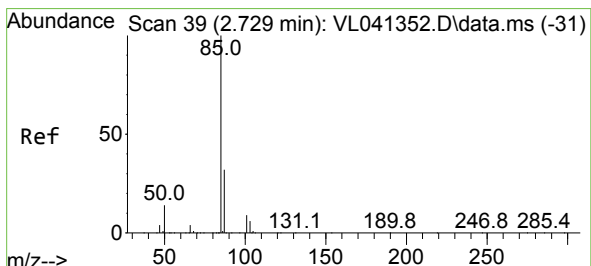
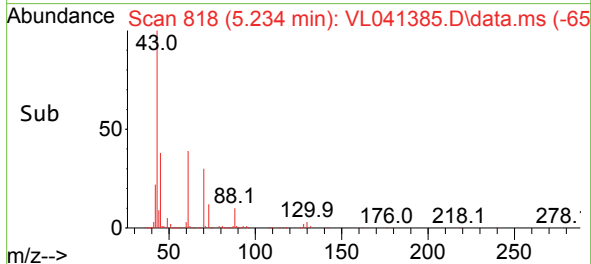
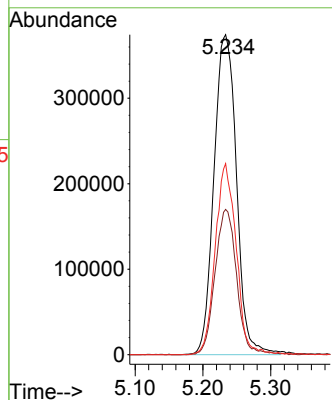
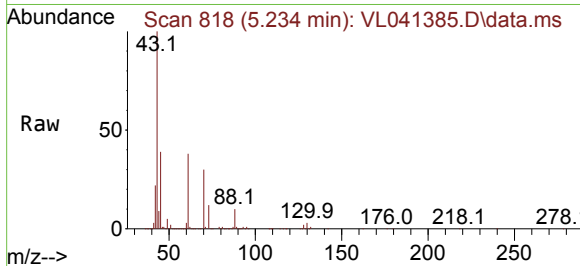




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.234 min Scan# 81
 Delta R.T. 0.022 min
 Lab File: VL041385.D
 Acq: 22 Jul 2024 14:03

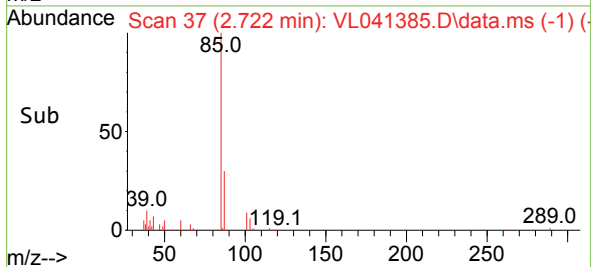
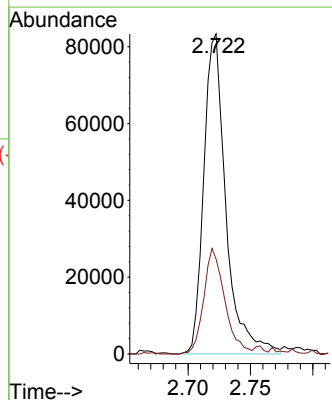
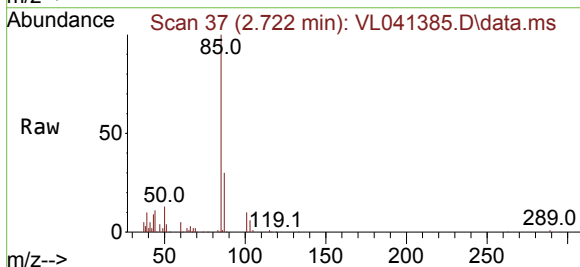
Instrument :
 MSVOA_L
 ClientSampleId :

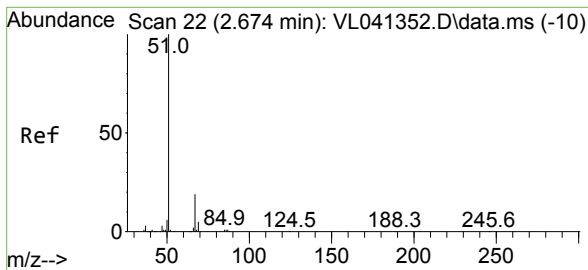
Tgt Ion: 49 Resp: 864098
 Ion Ratio Lower Upper
 49 100
 128 43.7 22.8 68.3
 130 55.8 28.9 86.7



#2
 Dichlorodifluoromethane
 Concen: 0.698 ppbv
 RT: 2.722 min Scan# 37
 Delta R.T. -0.051 min
 Lab File: VL041385.D
 Acq: 22 Jul 2024 14:03

Tgt Ion: 85 Resp: 102903
 Ion Ratio Lower Upper
 85 100
 87 29.7 25.9 38.9

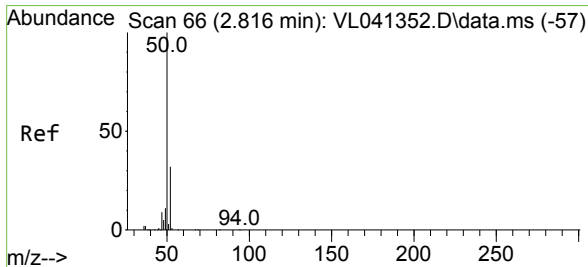
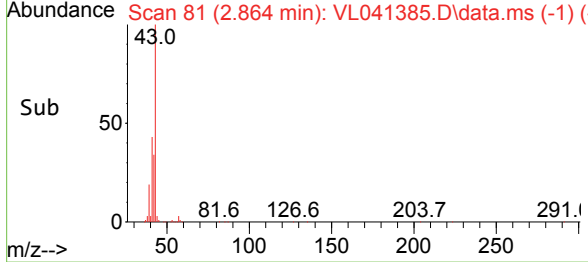
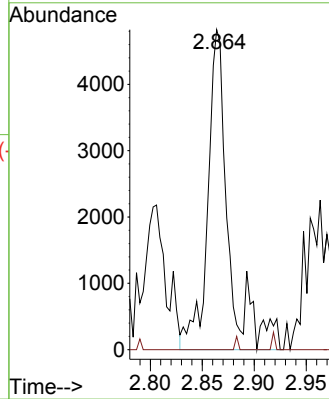
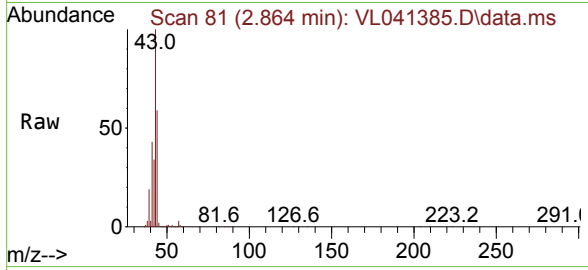




#3
Chlorodifluoromethane
Concen: 0.045 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.145 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

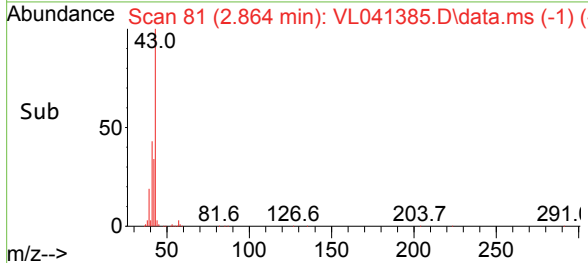
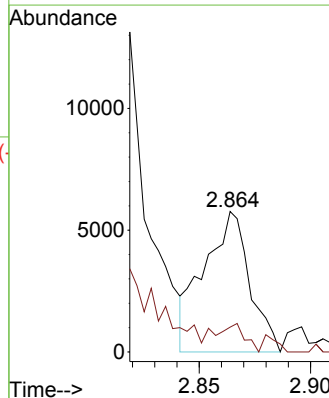
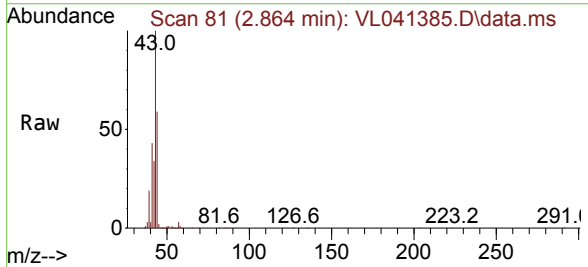
Instrument :
MSVOA_L
ClientSampleId :

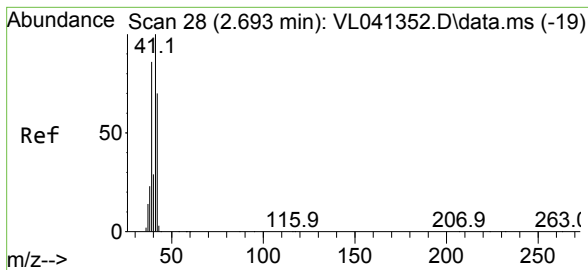
Tgt Ion: 51 Resp: 6694
Ion Ratio Lower Upper
51 100
67 7.5 14.3 21.5#



#4
Chloromethane
Concen: 0.145 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 50 Resp: 8256
Ion Ratio Lower Upper
50 100
52 12.0 25.6 38.4#

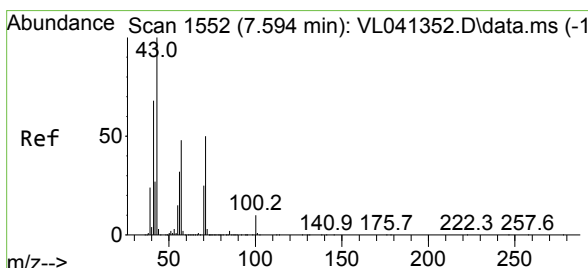
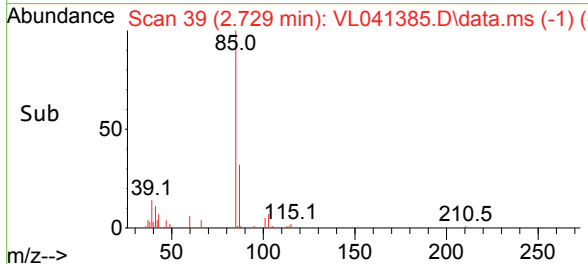
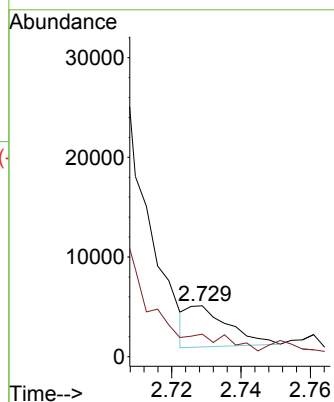
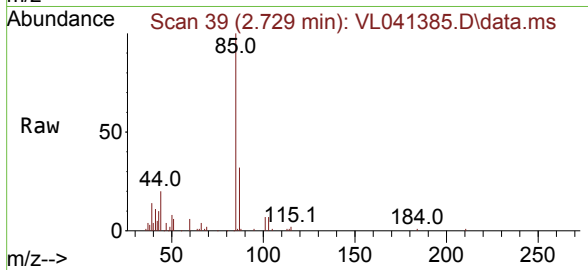




#9
 Propene
 Concen: 0.066 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. -0.006 min
 Lab File: VL041385.D
 Acq: 22 Jul 2024 14:03

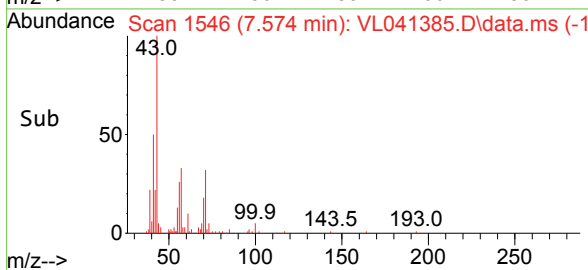
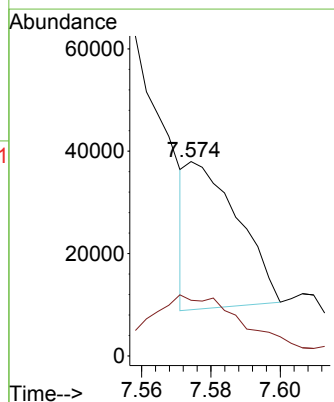
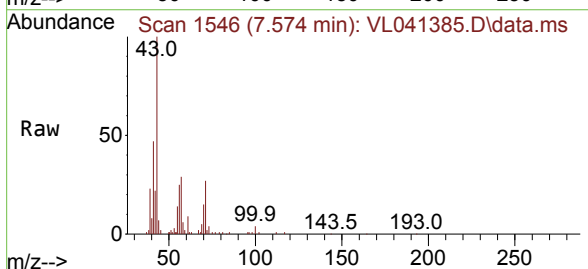
Instrument :
 MSVOA_L
 ClientSampleId :

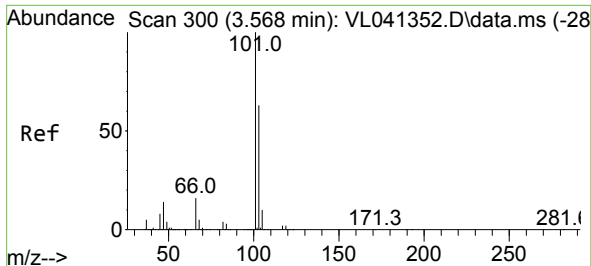
Tgt Ion: 41 Resp: 3394
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.8 83.8#



#10
 Heptane
 Concen: 0.243 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.016 min
 Lab File: VL041385.D
 Acq: 22 Jul 2024 14:03

Tgt Ion: 43 Resp: 29387
 Ion Ratio Lower Upper
 43 100
 57 90.2 40.3 60.5#

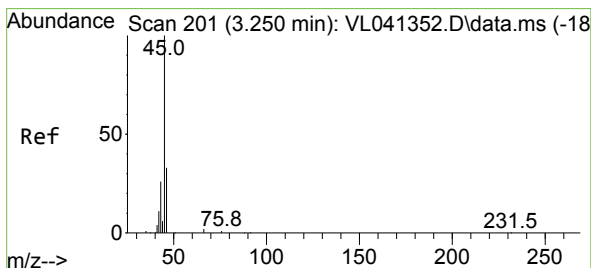
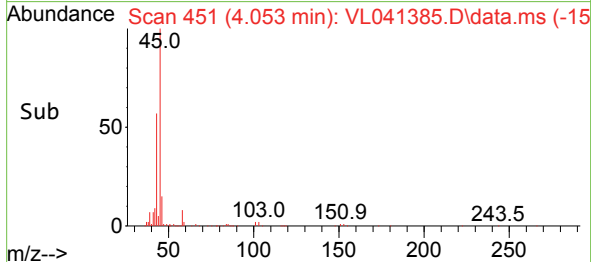
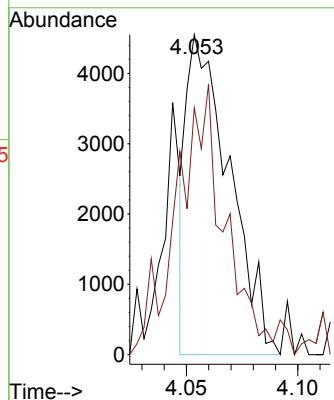
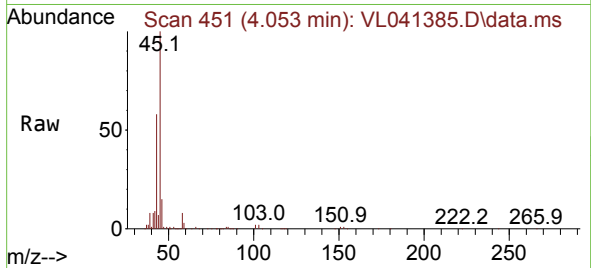




#11
 Trichlorofluoromethane
 Concen: 0.043 ppbv
 RT: 4.053 min Scan# 41
 Delta R.T. 0.460 min
 Lab File: VL041385.D
 Acq: 22 Jul 2024 14:03

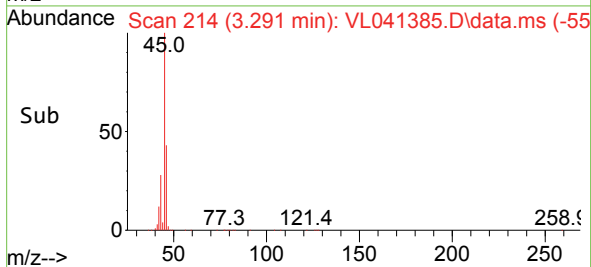
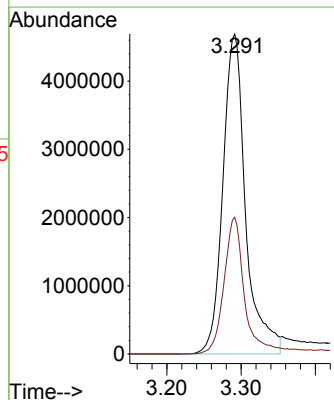
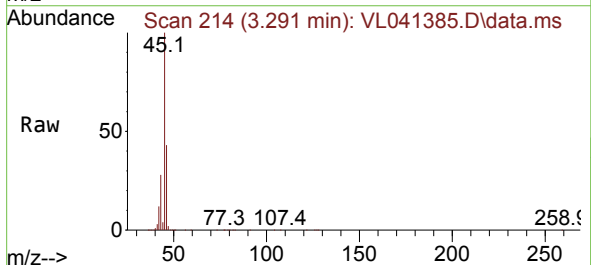
Instrument :
 MSVOA_L
 ClientSampleId :

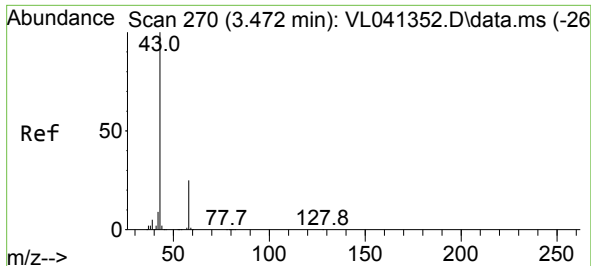
Tgt Ion:101 Resp: 6112
 Ion Ratio Lower Upper
 101 100
 103 66.2 50.5 75.7



#13
 Ethanol
 Concen: 874.518 ppbv
 RT: 3.291 min Scan# 214
 Delta R.T. 0.010 min
 Lab File: VL041385.D
 Acq: 22 Jul 2024 14:03

Tgt Ion: 45 Resp:10002406
 Ion Ratio Lower Upper
 45 100
 46 42.8 13.3 53.3

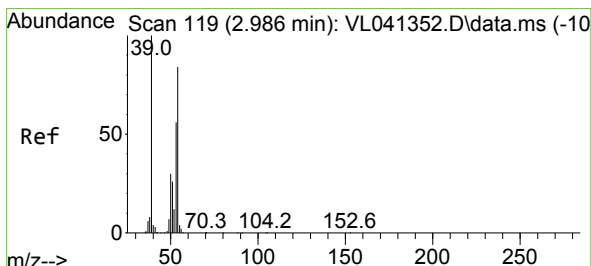
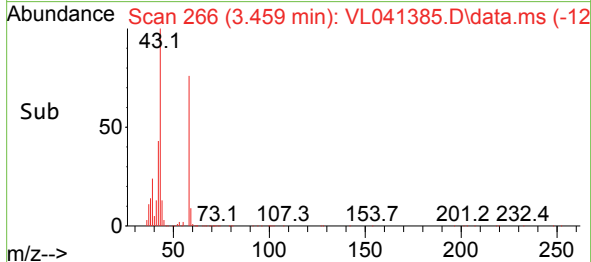
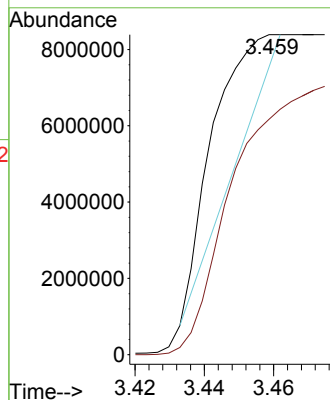
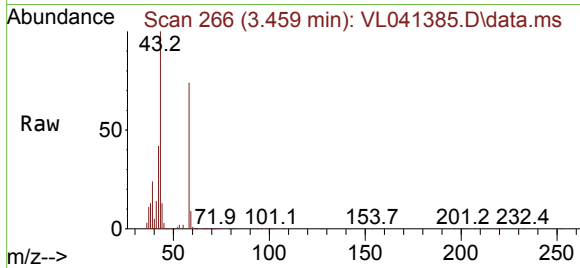




#15
Acetone
Concen: 33.436 ppbv
RT: 3.459 min Scan# 21
Delta R.T. -0.042 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

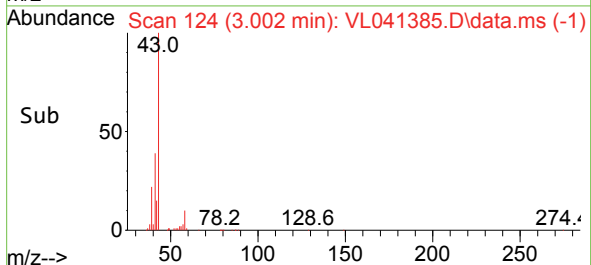
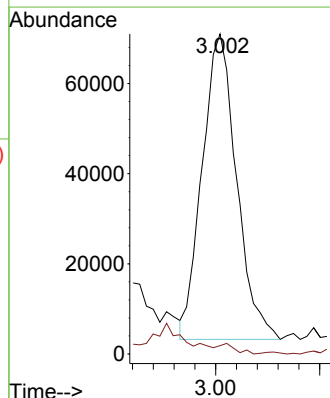
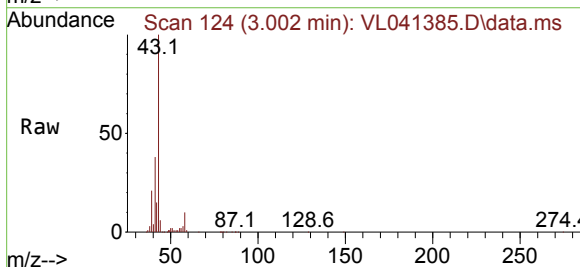
Instrument :
MSVOA_L
ClientSampleId :

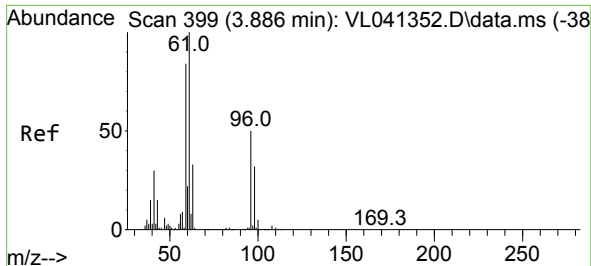
Tgt Ion: 43 Resp: 3815838
Ion Ratio Lower Upper
43 100
58 0.0 20.3 30.5#



#16
1,3-Butadiene
Concen: 1.429 ppbv
RT: 3.002 min Scan# 124
Delta R.T. -0.022 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 39 Resp: 77646
Ion Ratio Lower Upper
39 100
54 12.5 60.5 90.7#





#17

tert-Butyl alcohol

Concen: 8.604 ppbv

RT: 3.616 min Scan# 315

Delta R.T. -0.293 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

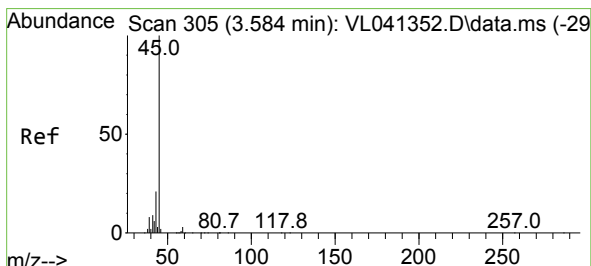
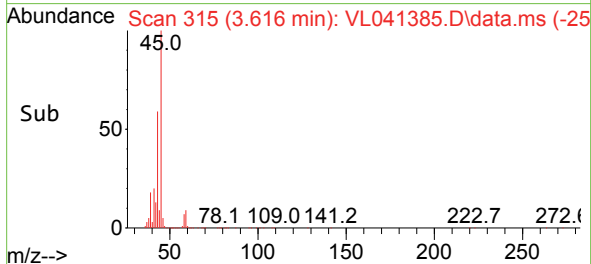
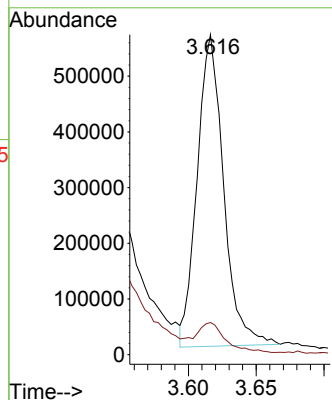
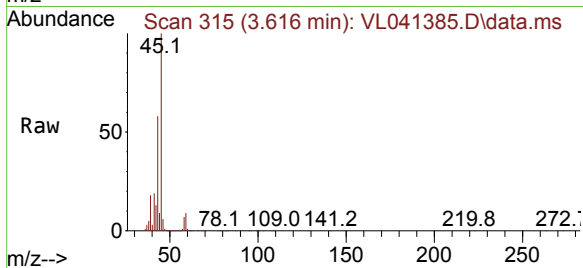
ClientSampleId :

Tgt Ion: 59 Resp: 757508

Ion Ratio Lower Upper

59 100

57 14.1 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 210.634 ppbv

RT: 3.616 min Scan# 315

Delta R.T. 0.006 min

Lab File: VL041385.D

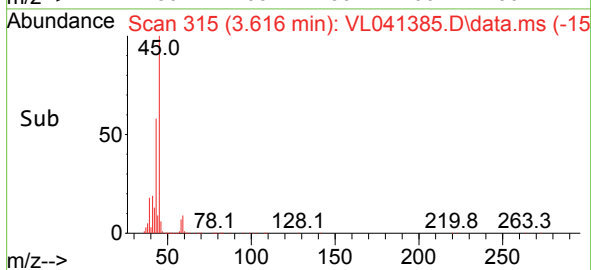
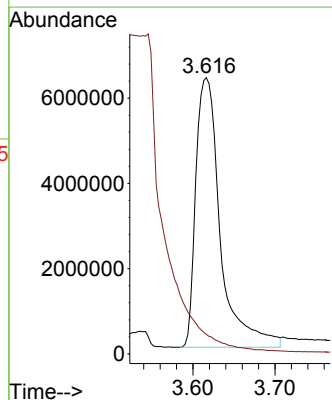
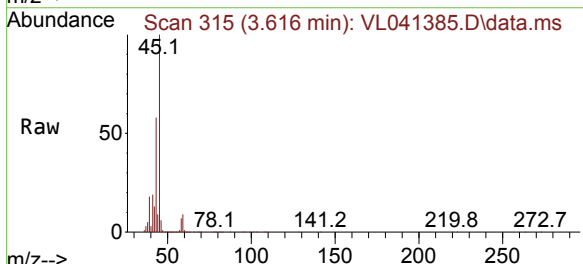
Acq: 22 Jul 2024 14:03

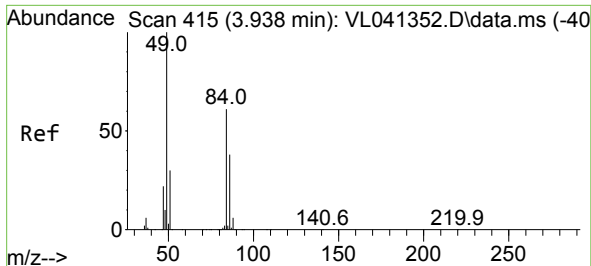
Tgt Ion: 45 Resp:13196170

Ion Ratio Lower Upper

45 100

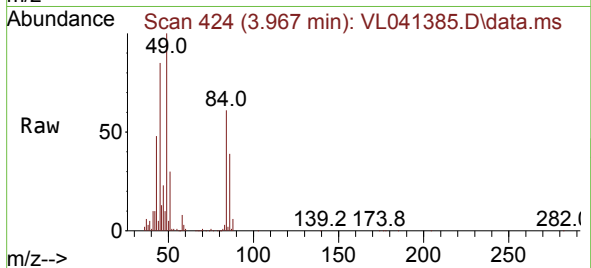
58 0.0 1.6 2.4#





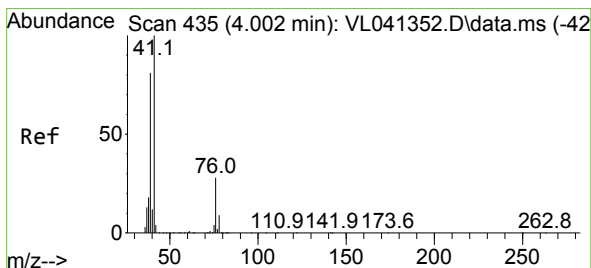
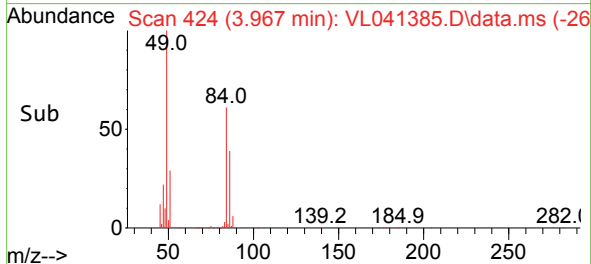
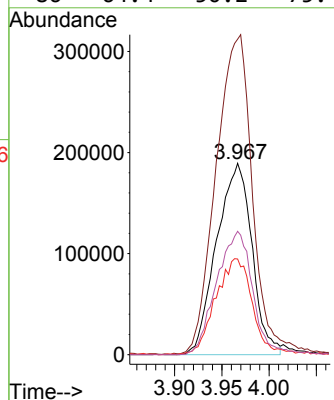
#20
Methylene Chloride
Concen: 11.897 ppbv
RT: 3.967 min Scan# 415
Delta R.T. 0.003 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 492635

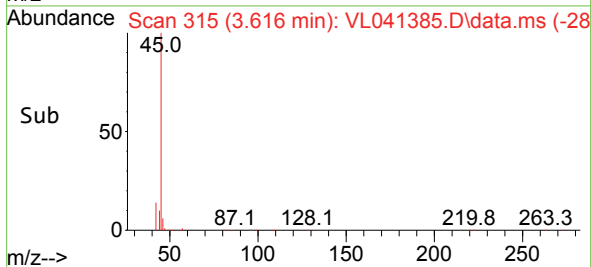
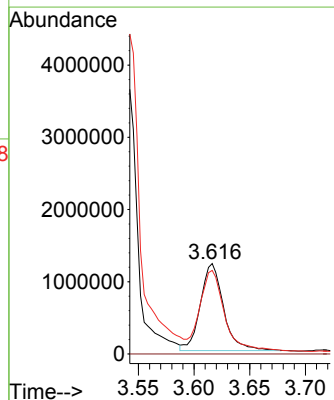
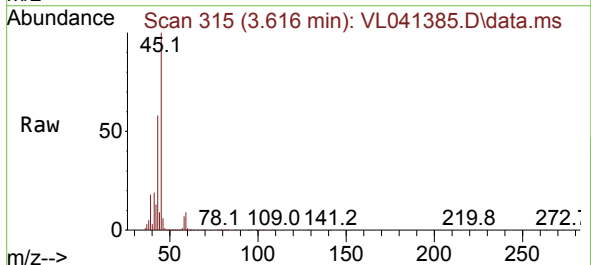
Ion	Ratio	Lower	Upper
84	100		
49	164.5	131.8	197.6
51	49.5	39.6	59.4
86	64.4	50.2	75.4

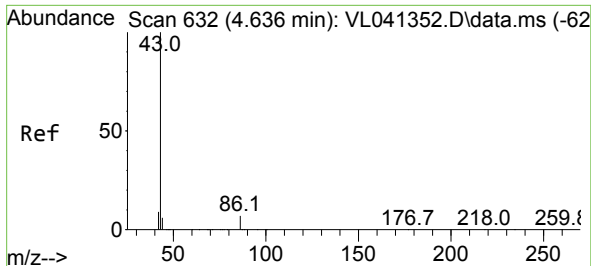


#21
Allyl Chloride
Concen: 25.305 ppbv
RT: 3.616 min Scan# 315
Delta R.T. -0.408 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 41 Resp: 1741983

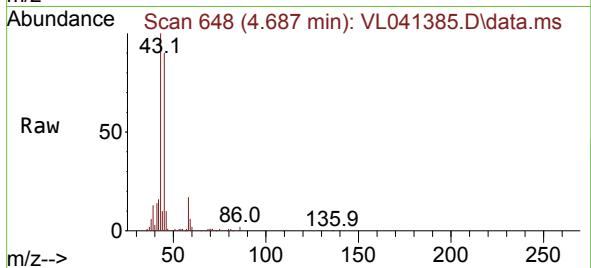
Ion	Ratio	Lower	Upper
41	100		
76	3.4	23.3	34.9#
39	108.6	66.0	99.0#



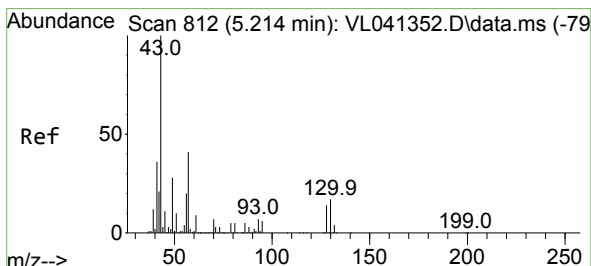
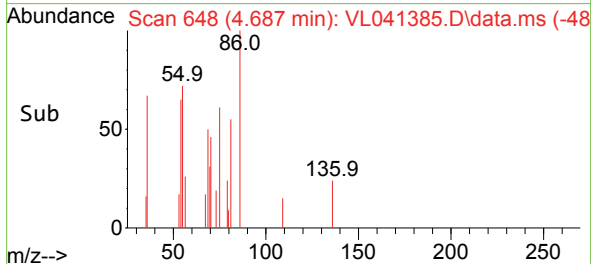
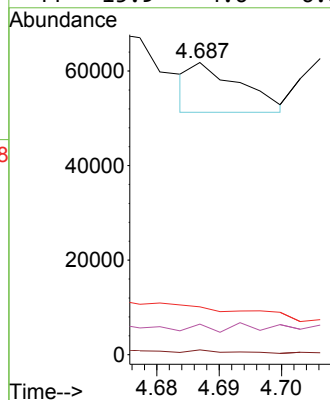


#23
Vinyl Acetate
Concen: 0.051 ppbv
RT: 4.687 min Scan# 648
Delta R.T. 0.035 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Instrument :
MSVOA_L
ClientSampleId :

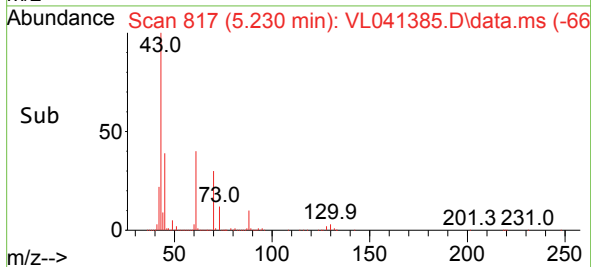
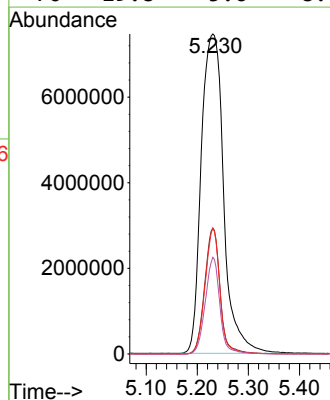
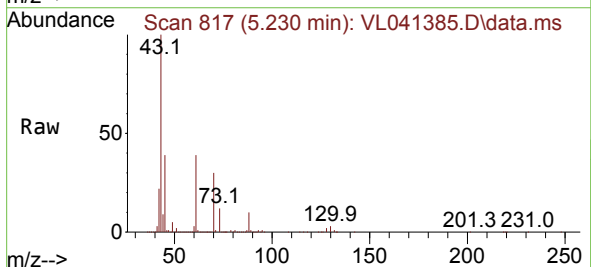


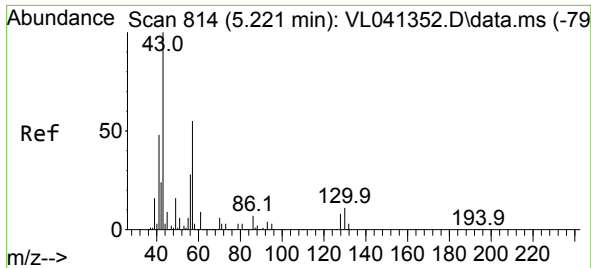
Tgt Ion: 43 Resp: 5750
Ion Ratio Lower Upper
43 100
86 8.2 5.0 7.4#
42 12.6 7.9 11.9#
44 15.9 4.6 6.8#



#25
Ethyl Acetate
Concen: 107.852 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.003 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

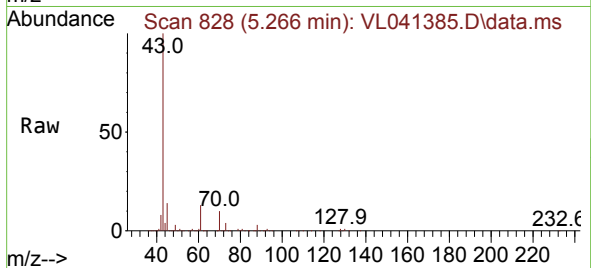
Tgt Ion: 43 Resp: 22664451
Ion Ratio Lower Upper
43 100
45 27.2 8.3 12.5#
61 26.3 7.7 11.5#
70 19.8 5.6 8.4#





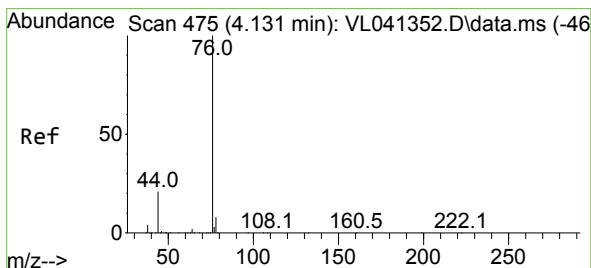
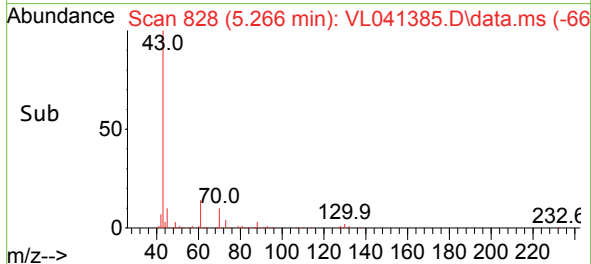
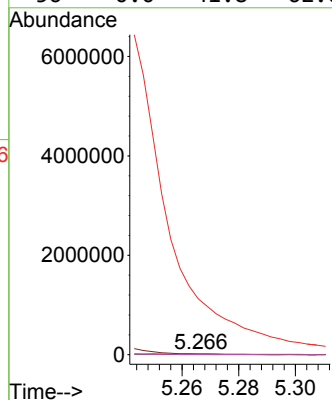
#26
Hexane
Concen: 0.059 ppbv
RT: 5.266 min Scan# 814
Delta R.T. 0.035 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 57 Resp: 5484

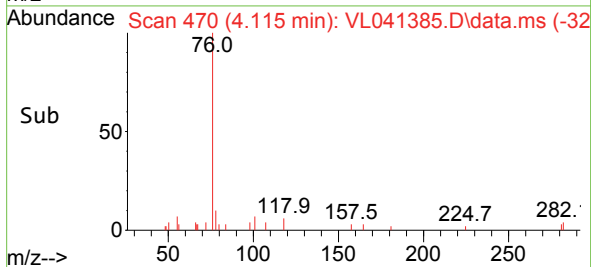
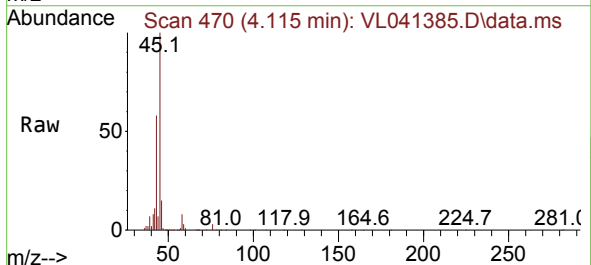
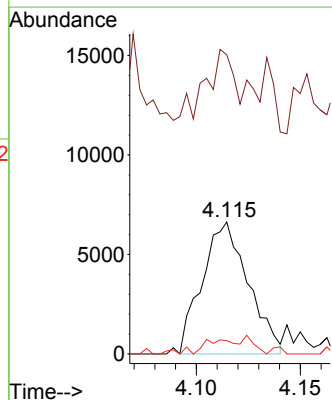
Ion	Ratio	Lower	Upper
57	100		
41	0.0	73.7	110.5#
43	0.0	182.2	273.2#
56	0.0	41.8	62.6#

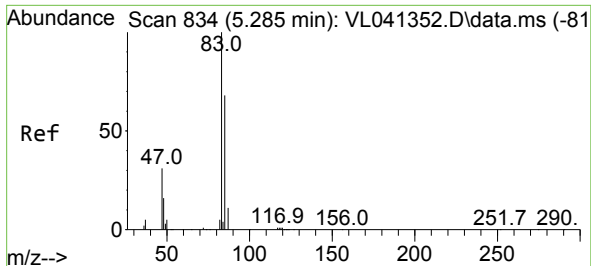


#27
Carbon Disulfide
Concen: 0.090 ppbv
RT: 4.115 min Scan# 470
Delta R.T. -0.035 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 76 Resp: 10220

Ion	Ratio	Lower	Upper
76	100		
44	89.8	17.4	26.2#
78	13.2	7.3	10.9#

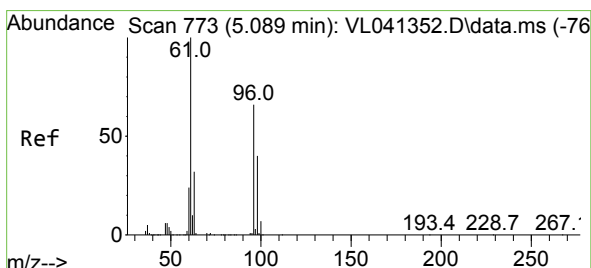
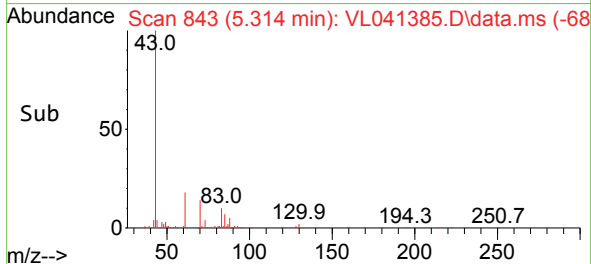
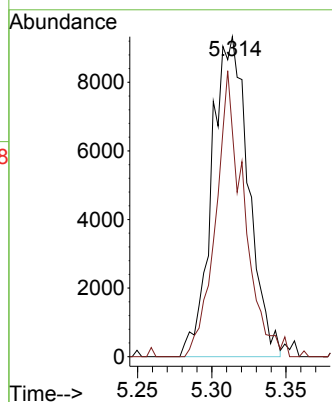
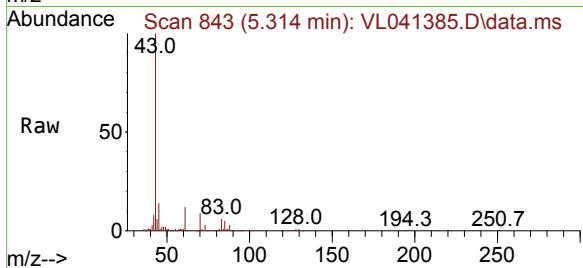




#29
Chloroform
Concen: 0.111 ppbv
RT: 5.314 min Scan# 84
Delta R.T. 0.019 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

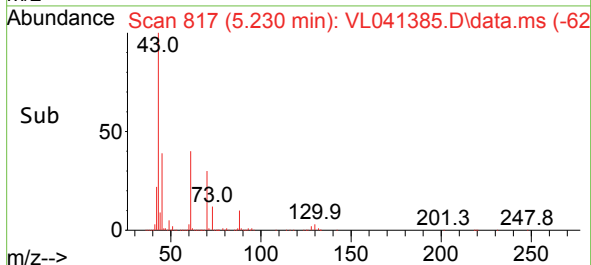
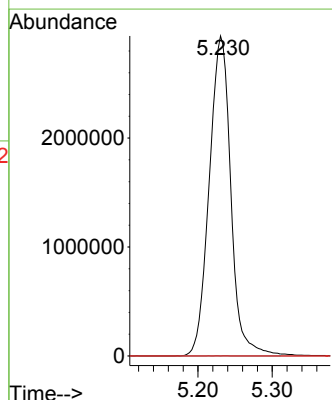
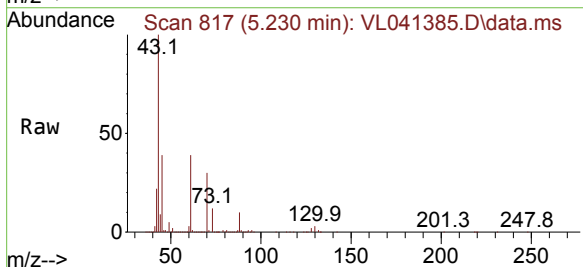
Instrument :
MSVOA_L
ClientSampleId :

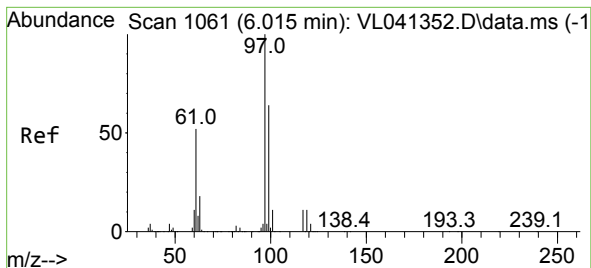
Tgt Ion: 83 Resp: 15994
Ion Ratio Lower Upper
83 100
85 70.5 54.2 81.4



#31
cis-1,2-Dichloroethene
Concen: 66.393 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.132 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 61 Resp: 5922747
Ion Ratio Lower Upper
61 100
96 0.0 52.6 79.0#
98 0.0 32.3 48.5#





#32

1,1,1-Trichloroethane

Concen: 0.961 ppbv

RT: 6.024 min Scan# 1061

Delta R.T. 0.007 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

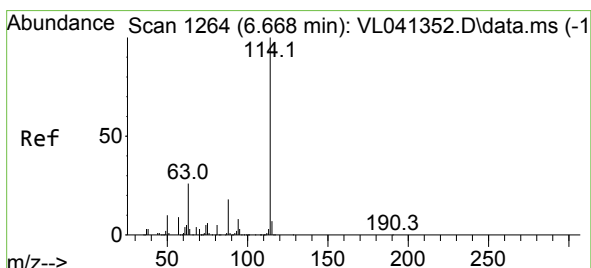
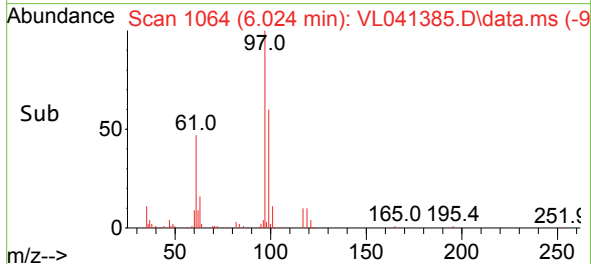
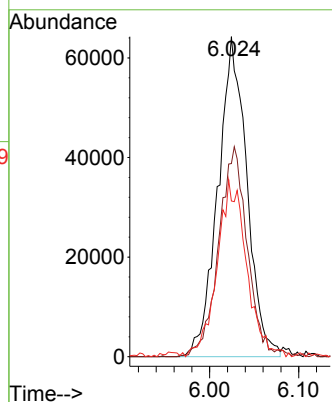
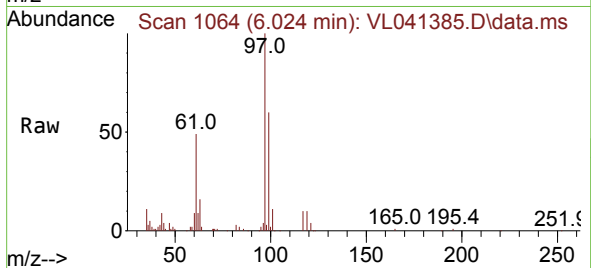
Tgt Ion: 97 Resp: 144808

Ion Ratio Lower Upper

97 100

99 65.6 52.0 78.0

61 57.0 43.0 64.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.677 min Scan# 1267

Delta R.T. 0.010 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

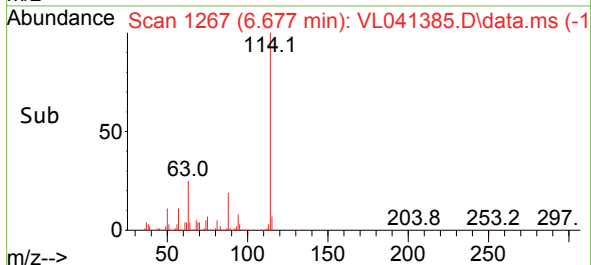
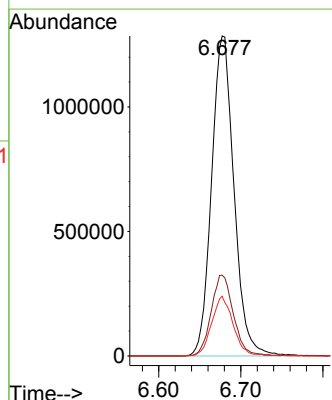
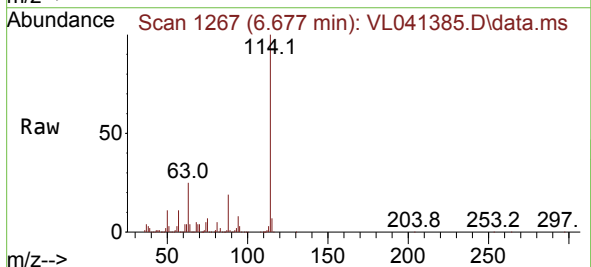
Tgt Ion: 114 Resp: 2438879

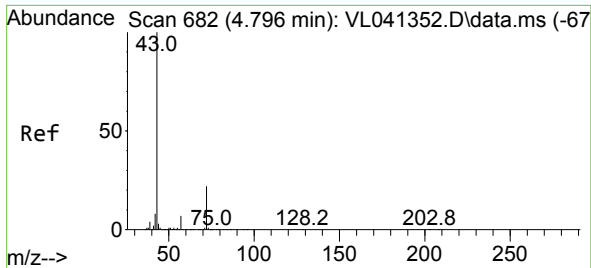
Ion Ratio Lower Upper

114 100

63 25.3 20.6 31.0

88 18.0 14.6 21.8

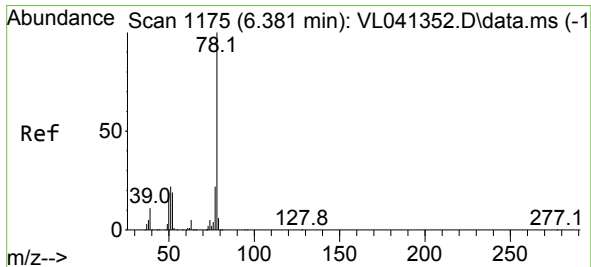
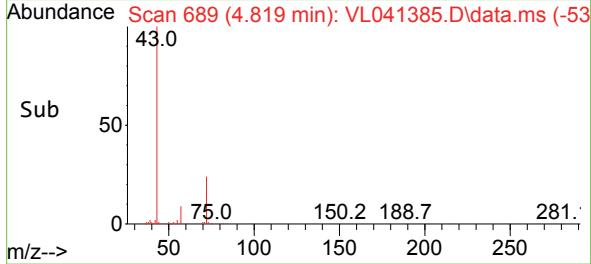
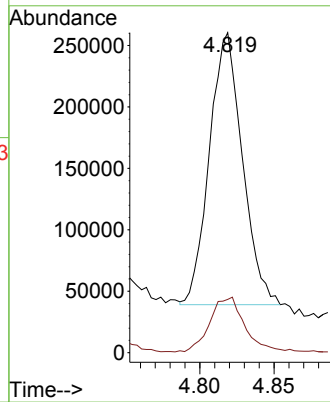
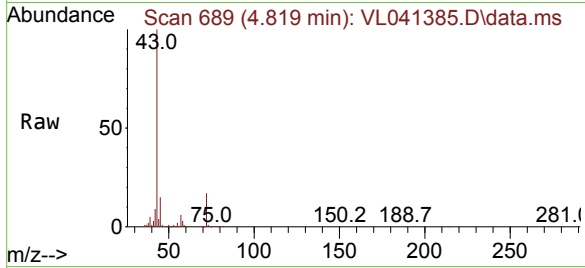




#34
2-Butanone
Concen: 2.660 ppbv
RT: 4.819 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

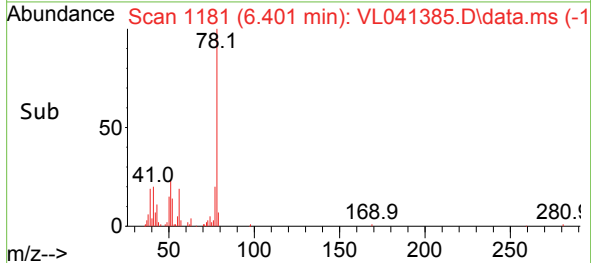
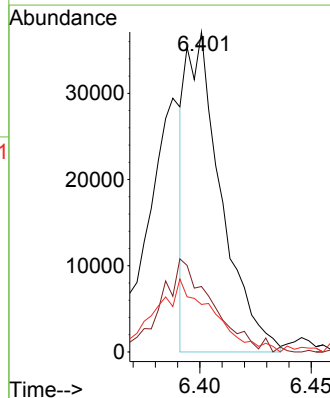
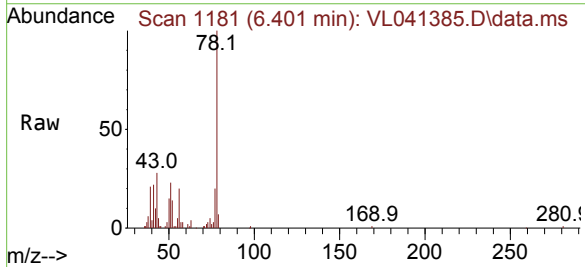
Instrument :
MSVOA_L
ClientSampleId :

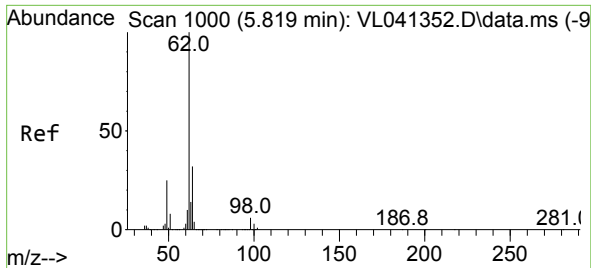
Tgt Ion: 43 Resp: 342281
Ion Ratio Lower Upper
43 100
72 23.1 17.2 25.8



#36
Benzene
Concen: 0.202 ppbv
RT: 6.401 min Scan# 1181
Delta R.T. 0.013 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 78 Resp: 40693
Ion Ratio Lower Upper
78 100
77 19.2 17.9 26.9
50 15.1 15.5 23.3#

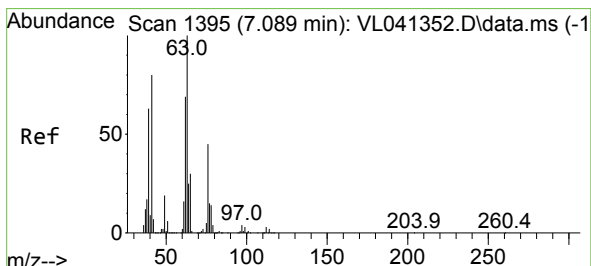
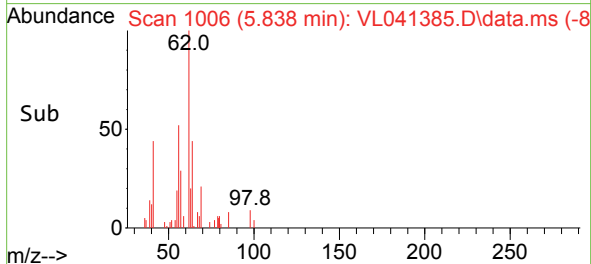
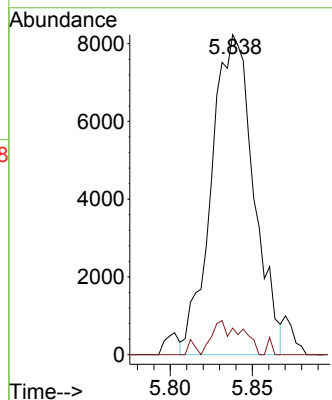
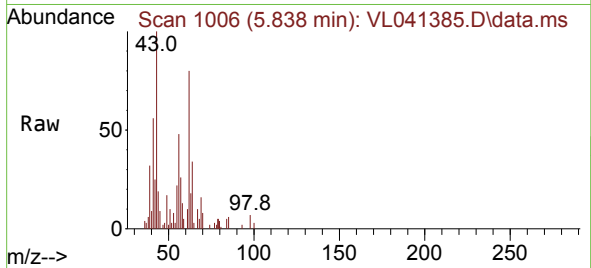




#37
1,2-Dichloroethane
Concen: 0.127 ppbv
RT: 5.838 min Scan# 1000
Delta R.T. 0.013 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

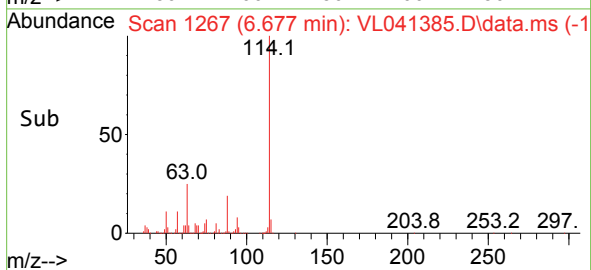
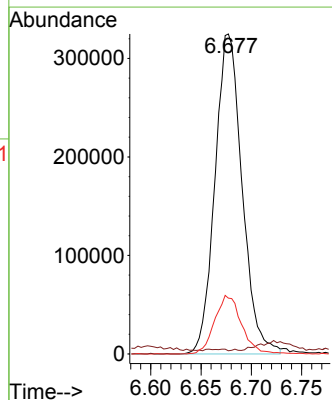
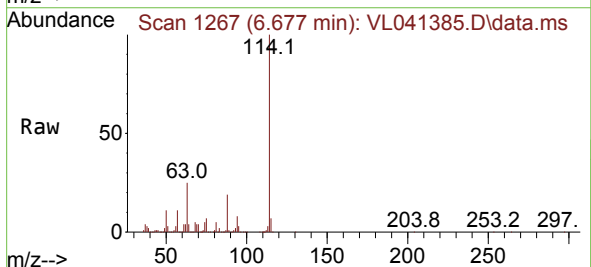
Instrument :
MSVOA_L
ClientSampleId :

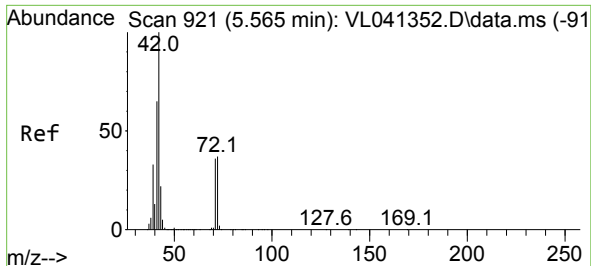
Tgt Ion: 62 Resp: 14761
Ion Ratio Lower Upper
62 100
98 8.7 4.8 7.2#



#39
1,2-Dichloropropane
Concen: 7.820 ppbv
RT: 6.677 min Scan# 1267
Delta R.T. -0.411 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 63 Resp: 609971
Ion Ratio Lower Upper
63 100
41 0.0 64.0 96.0#
62 17.4 55.2 82.8#





#41

Tetrahydrofuran

Concen: 44.123 ppbv

RT: 5.230 min Scan# 81

Delta R.T. -0.347 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

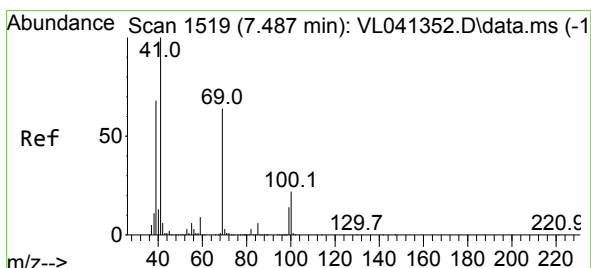
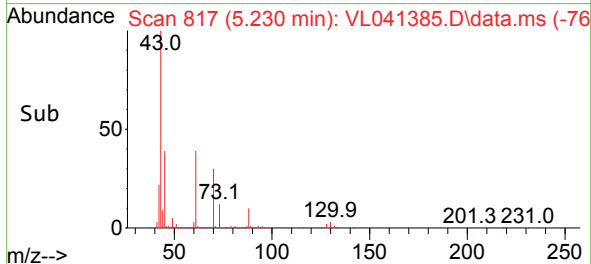
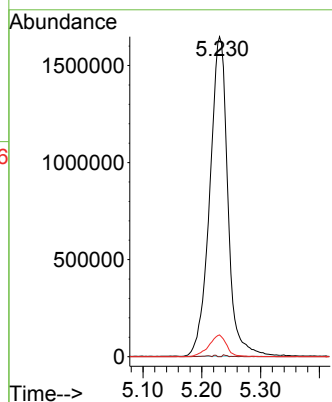
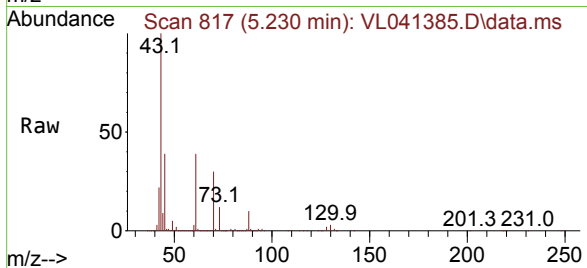
Tgt Ion: 42 Resp: 3517357

Ion Ratio Lower Upper

42 100

72 0.4 30.3 45.5#

71 6.8 29.7 44.5#



#43

Methyl Methacrylate

Concen: 0.095 ppbv

RT: 7.487 min Scan# 1519

Delta R.T. 0.000 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

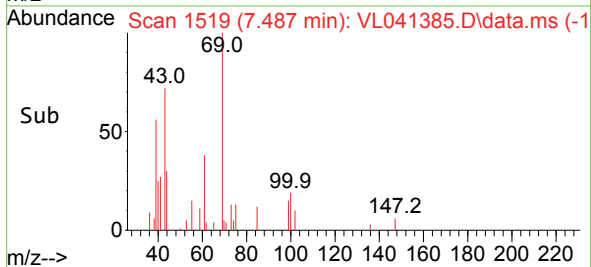
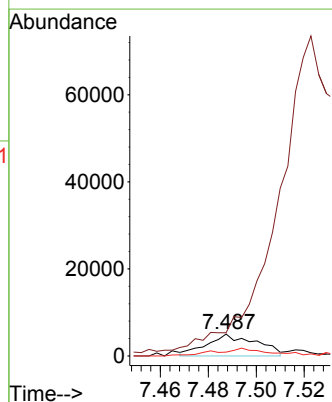
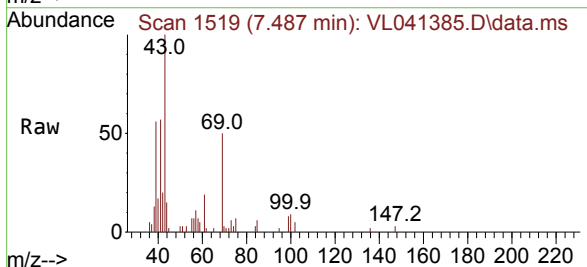
Tgt Ion: 69 Resp: 7172

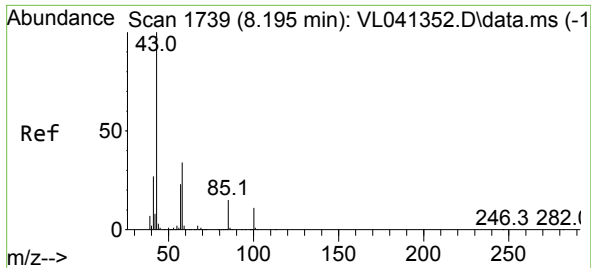
Ion Ratio Lower Upper

69 100

41 0.0 125.0 187.6#

100 38.5 26.8 40.2

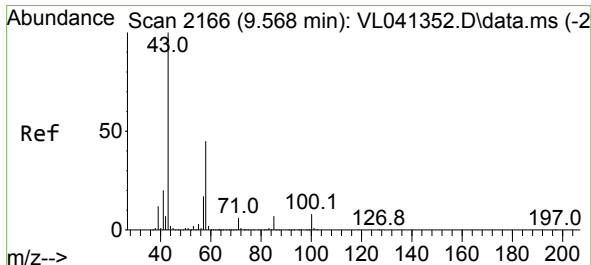
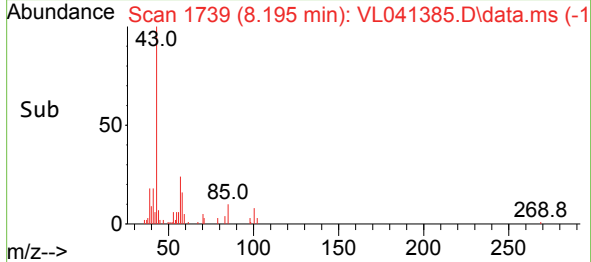
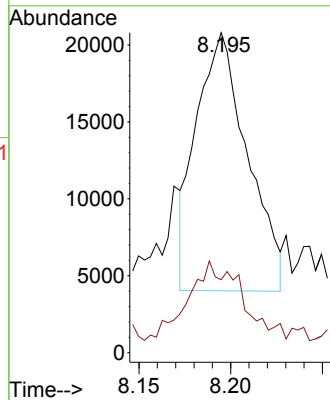
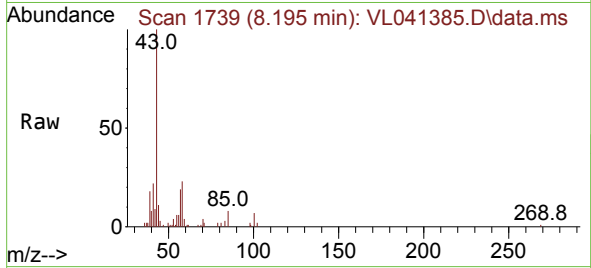




#50
4-Methyl-2-Pentanone
Concen: 0.157 ppbv
RT: 8.195 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

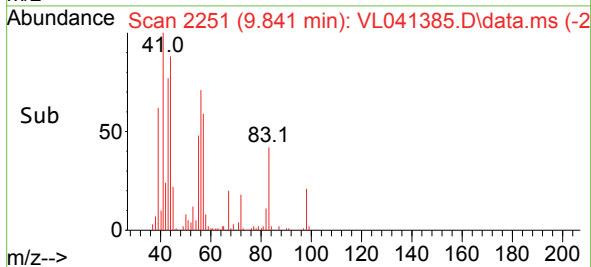
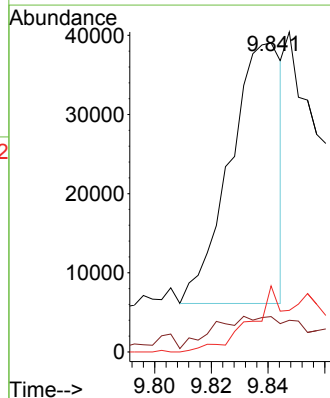
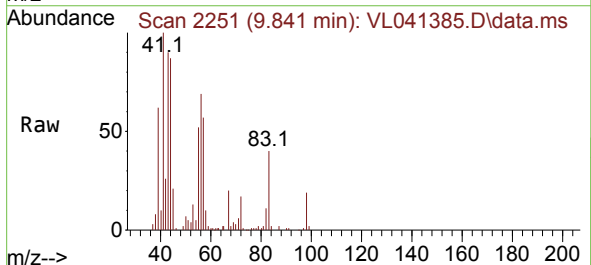
Instrument :
MSVOA_L
ClientSampleId :

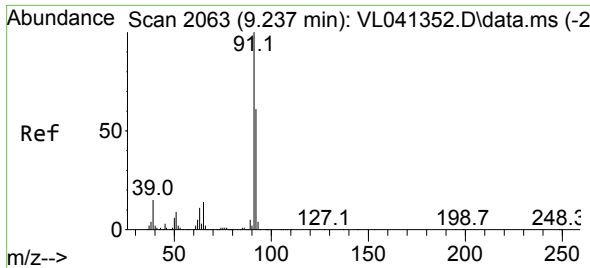
Tgt Ion: 43 Resp: 32470
Ion Ratio Lower Upper
43 100
58 33.0 27.8 41.8



#51
2-Hexanone
Concen: 0.280 ppbv
RT: 9.841 min Scan# 2251
Delta R.T. 0.283 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Tgt Ion: 43 Resp: 41197
Ion Ratio Lower Upper
43 100
58 26.8 38.0 57.0#
98 52.0 0.2 0.2#





#53

Toluene

Concen: 10.502 ppbv

RT: 9.230 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

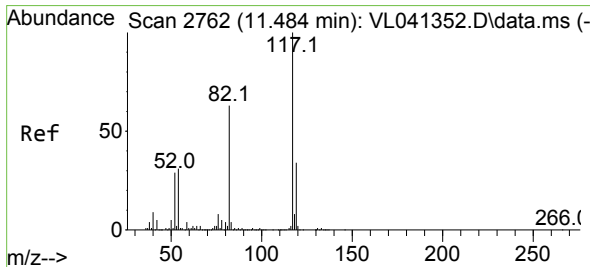
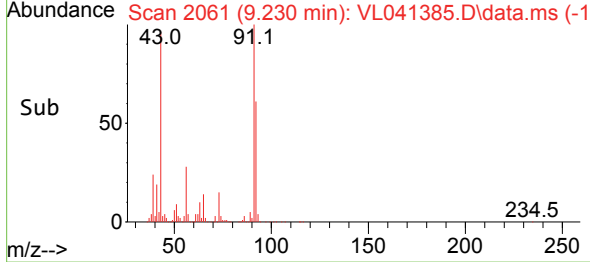
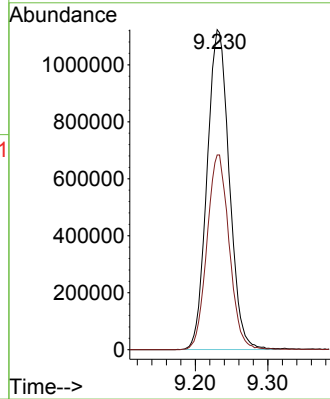
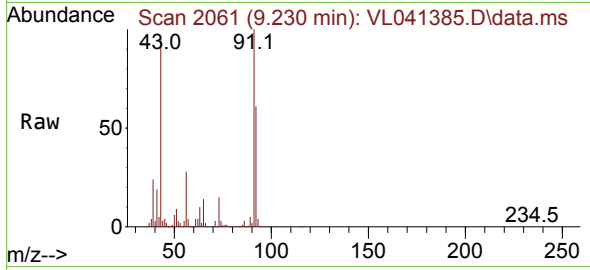
ClientSampleId :

Tgt Ion: 91 Resp: 2390825

Ion Ratio Lower Upper

91 100

92 61.0 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2758

Delta R.T. 0.003 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

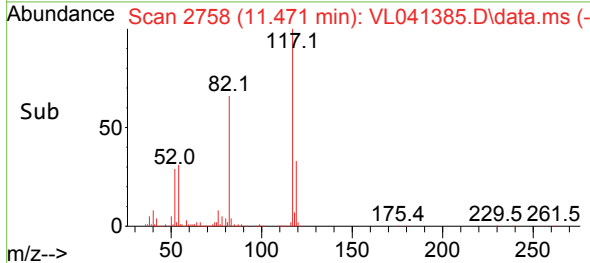
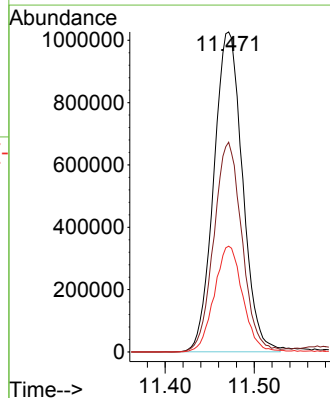
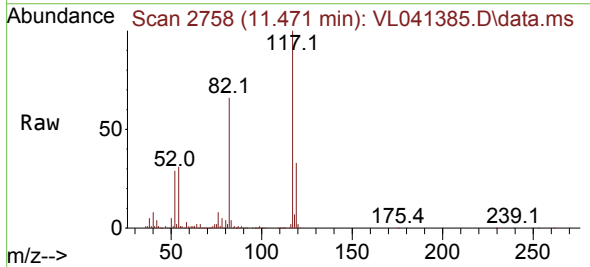
Tgt Ion: 117 Resp: 2298602

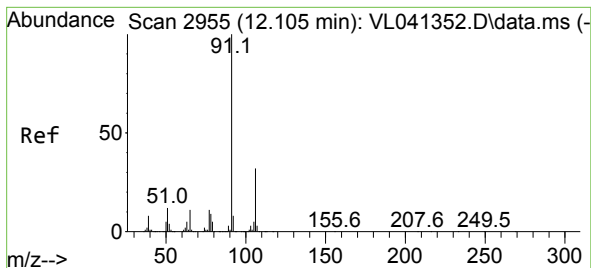
Ion Ratio Lower Upper

117 100

82 64.5 50.6 75.8

119 33.5 24.7 37.1





#58

Ethyl Benzene

Concen: 0.476 ppbv

RT: 12.095 min Scan# 2955

Delta R.T. 0.006 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

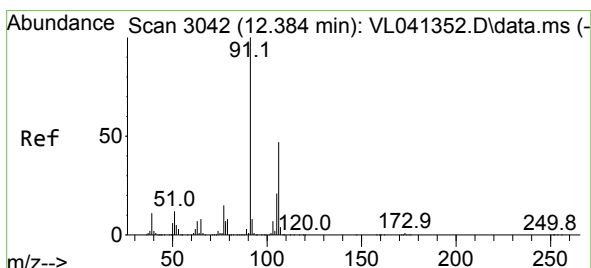
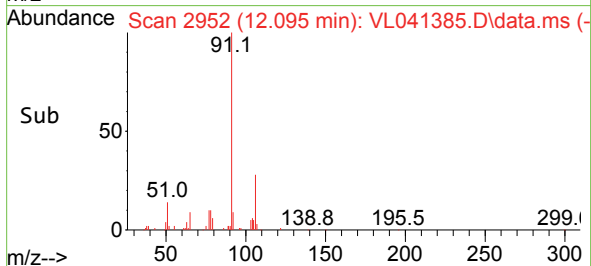
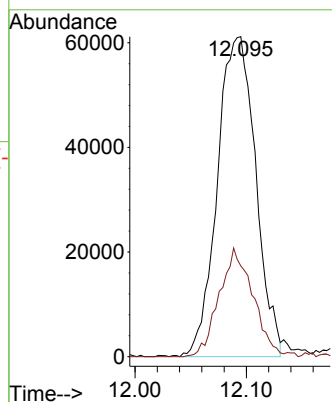
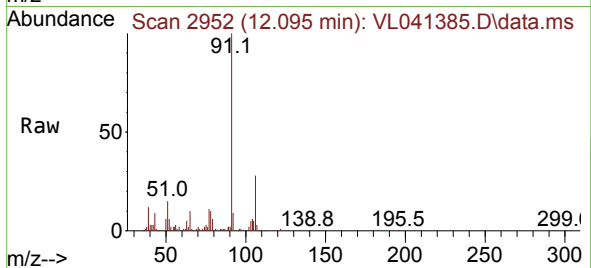
ClientSampleId :

Tgt Ion: 91 Resp: 146240

Ion Ratio Lower Upper

91 100

106 28.3 25.4 38.0



#59

m/p-Xylene

Concen: 2.348 ppbv

RT: 12.346 min Scan# 3030

Delta R.T. -0.026 min

Lab File: VL041385.D

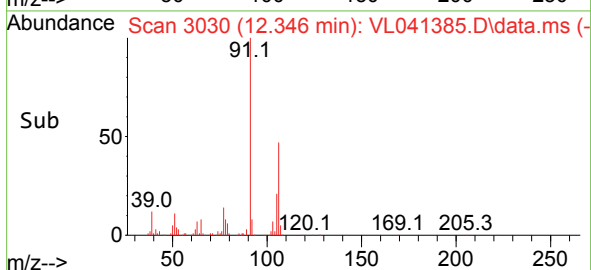
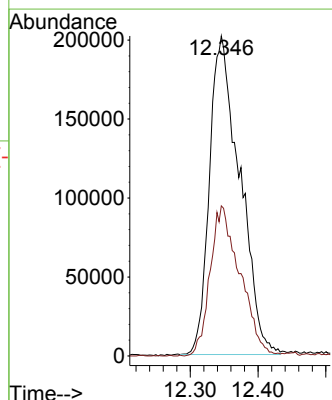
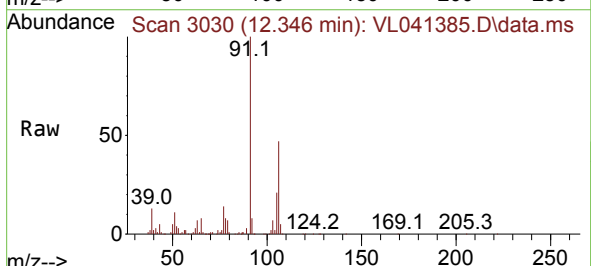
Acq: 22 Jul 2024 14:03

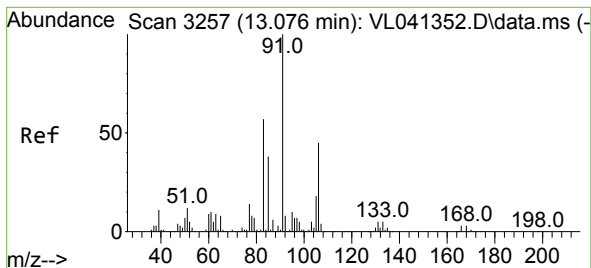
Tgt Ion: 91 Resp: 624985

Ion Ratio Lower Upper

91 100

106 46.6 35.6 53.4





#60

o-Xylene

Concen: 1.189 ppbv

RT: 13.060 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

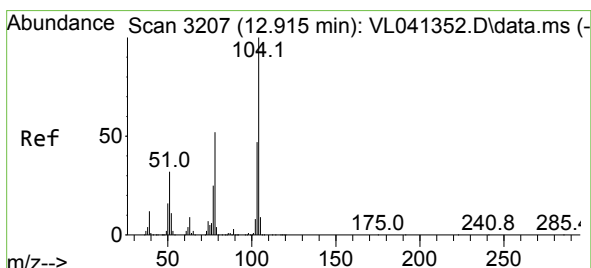
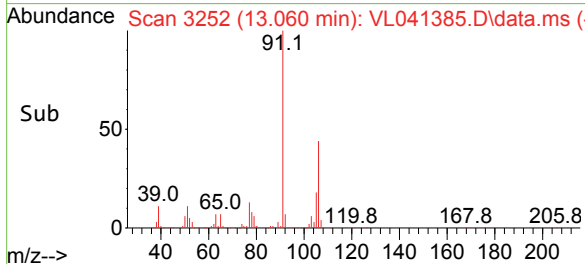
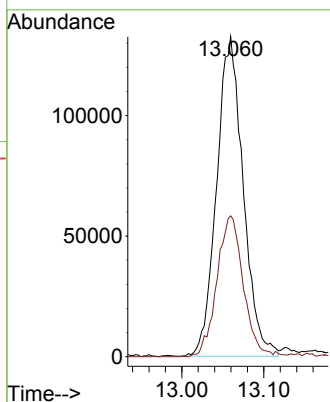
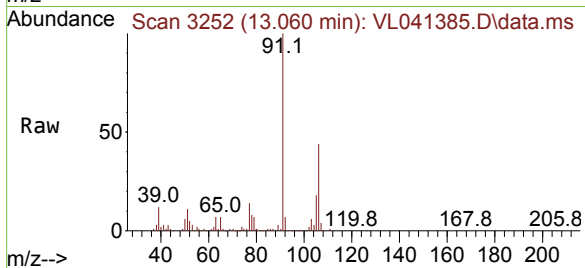
ClientSampleId :

Tgt Ion: 91 Resp: 298587

Ion Ratio Lower Upper

91 100

106 44.1 23.3 69.8



#61

Styrene

Concen: 0.079 ppbv

RT: 12.899 min Scan# 3202

Delta R.T. 0.000 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

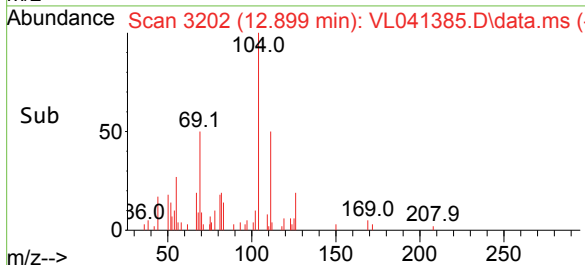
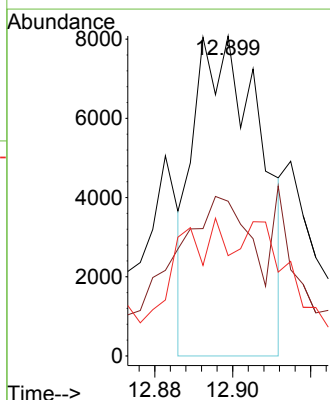
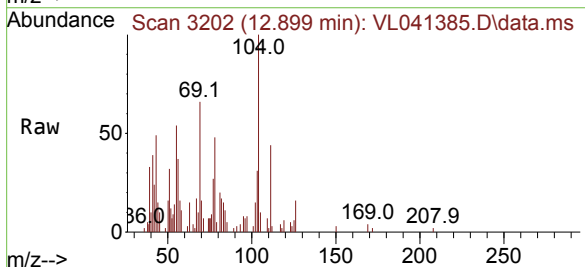
Tgt Ion:104 Resp: 9598

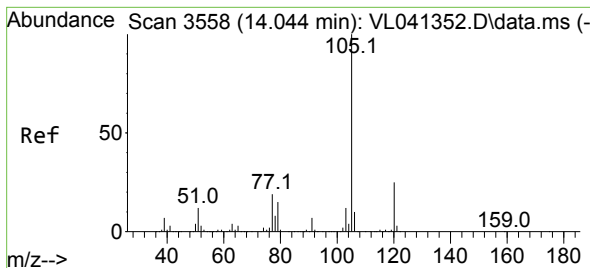
Ion Ratio Lower Upper

104 100

78 0.0 40.6 61.0#

103 87.0 37.4 56.0#





#62

Isopropylbenzene

Concen: 0.152 ppbv

RT: 14.031 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

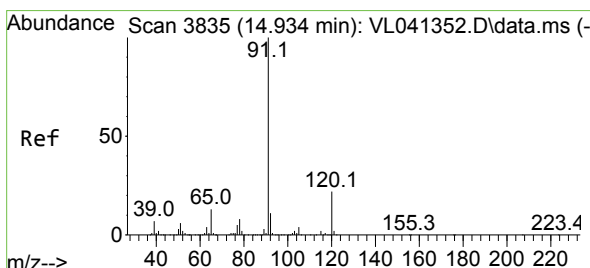
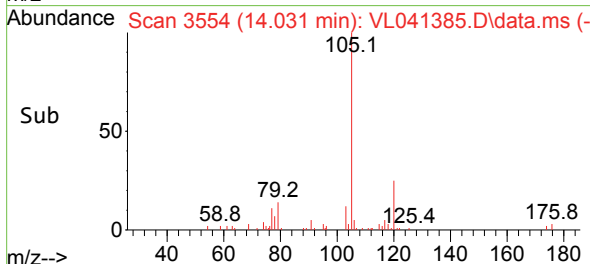
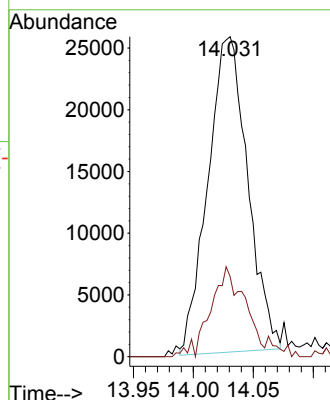
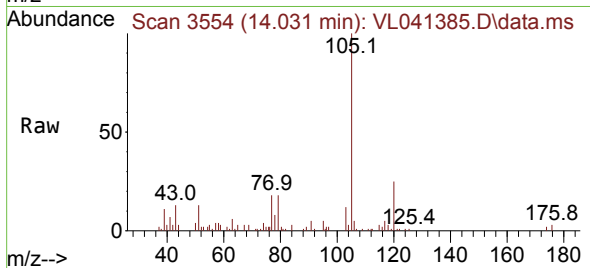
ClientSampleId :

Tgt Ion:105 Resp: 59048

Ion Ratio Lower Upper

105 100

120 27.2 20.9 31.3



#64

n-propylbenzene

Concen: 0.369 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.000 min

Lab File: VL041385.D

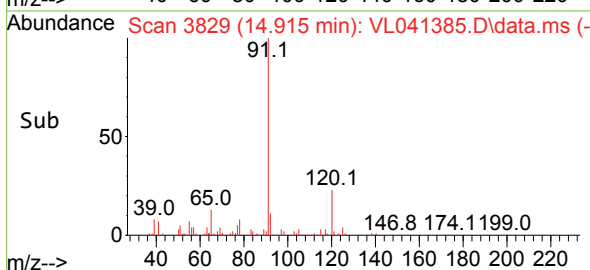
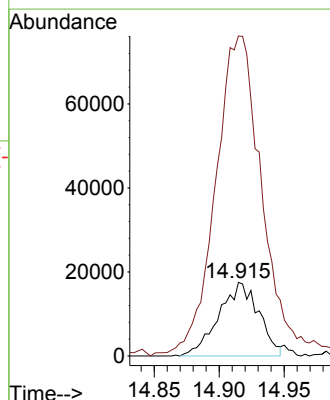
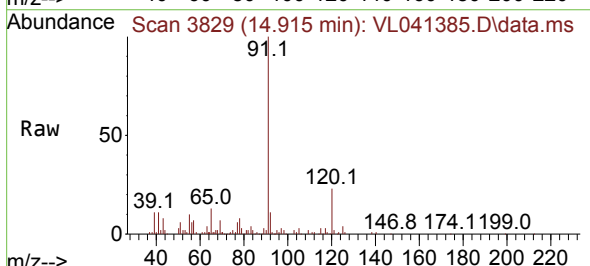
Acq: 22 Jul 2024 14:03

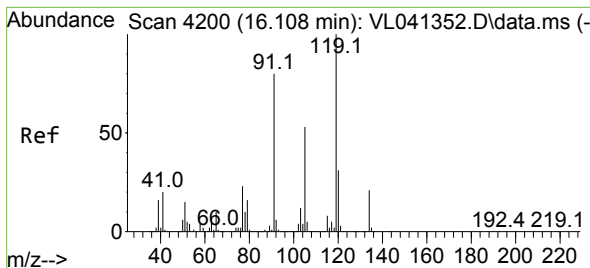
Tgt Ion:120 Resp: 37378

Ion Ratio Lower Upper

120 100

91 498.0 378.4 567.6





#65

tert-Butylbenzene

Concen: 0.169 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. 0.016 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

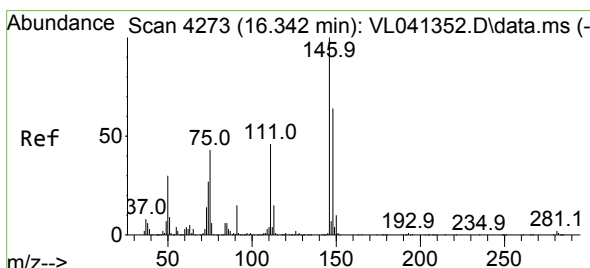
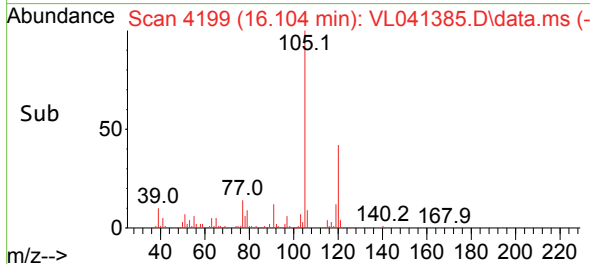
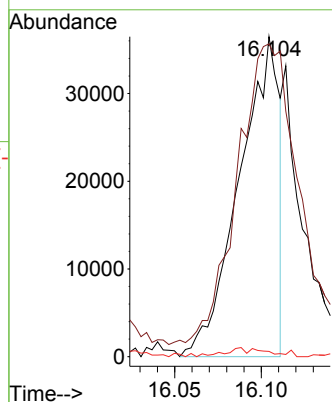
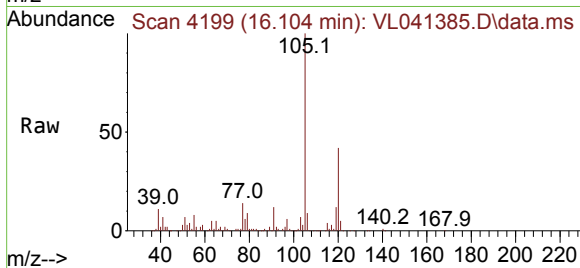
Tgt Ion:119 Resp: 58350

Ion Ratio Lower Upper

119 100

91 157.9 65.8 98.6#

134 3.1 15.7 23.5#



#66

Benzyl Chloride

Concen: 0.049 ppbv

RT: 16.214 min Scan# 4233

Delta R.T. -0.109 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

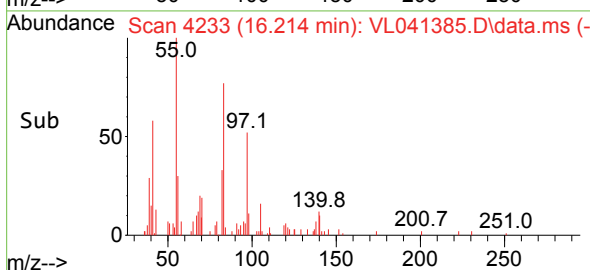
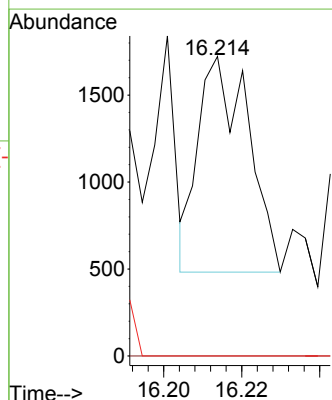
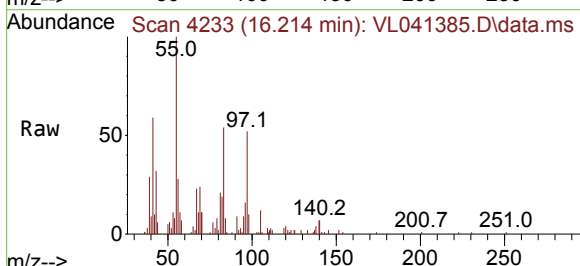
Tgt Ion: 91 Resp: 1103

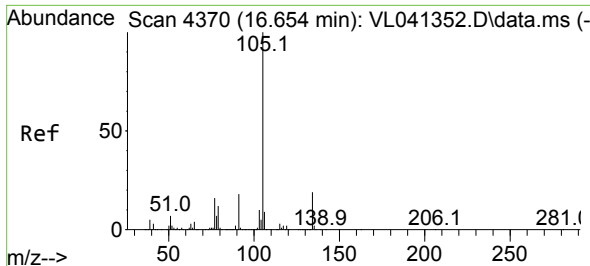
Ion Ratio Lower Upper

91 100

126 0.0 15.4 23.0#

128 5.3 5.0 7.4





#67

sec-Butylbenzene

Concen: 0.094 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

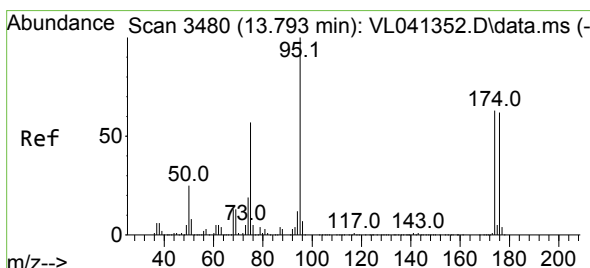
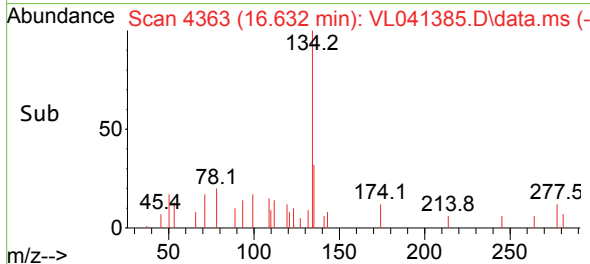
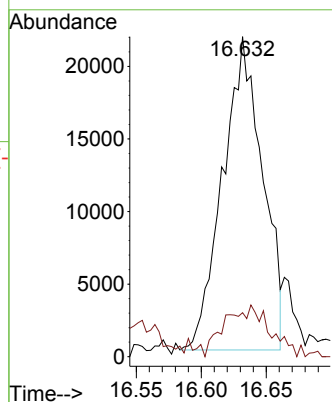
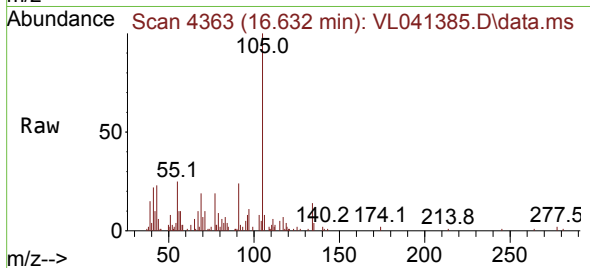
ClientSampleId :

Tgt Ion:105 Resp: 46042

Ion Ratio Lower Upper

105 100

134 19.0 14.2 21.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.128 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.003 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

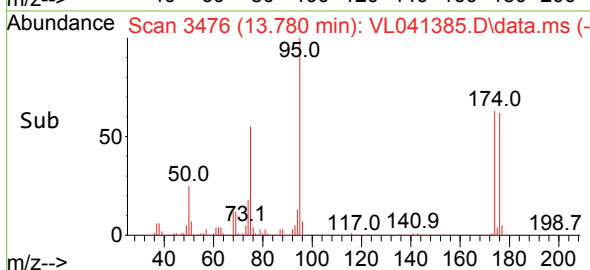
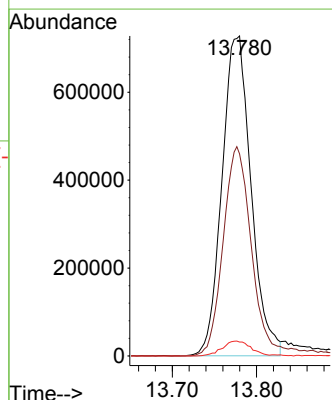
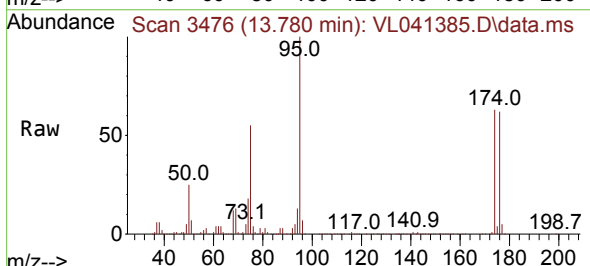
Tgt Ion: 95 Resp: 1744815

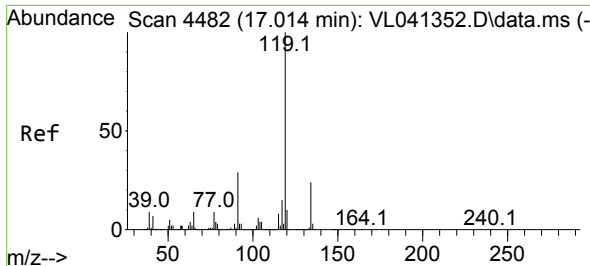
Ion Ratio Lower Upper

95 100

174 66.6 53.1 79.7

175 4.9 4.0 6.0

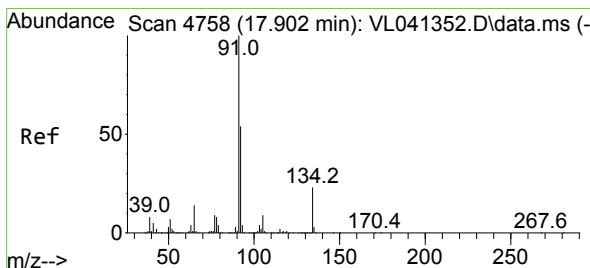
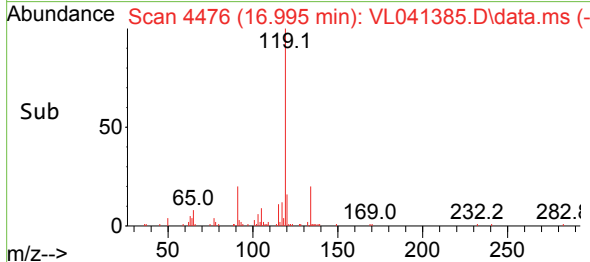
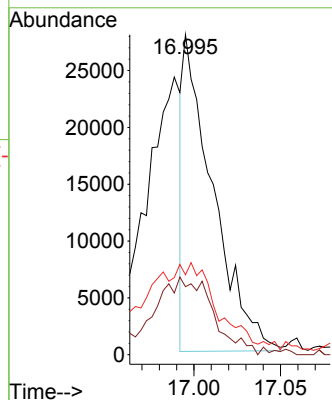
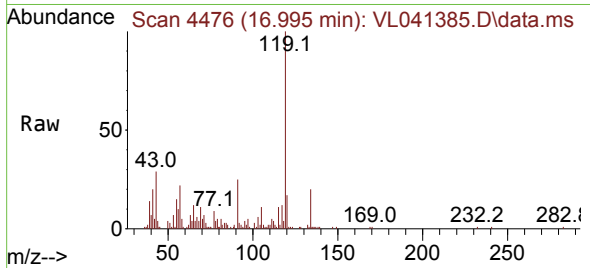




#69
p-Isopropyltoluene
Concen: 0.082 ppbv
RT: 16.995 min Scan# 4482
Delta R.T. 0.003 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

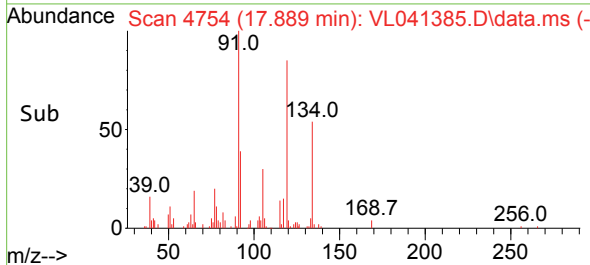
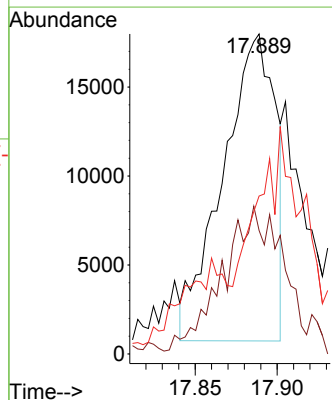
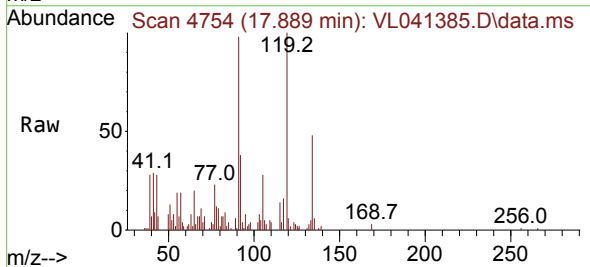
Instrument :
MSVOA_L
ClientSampleId :

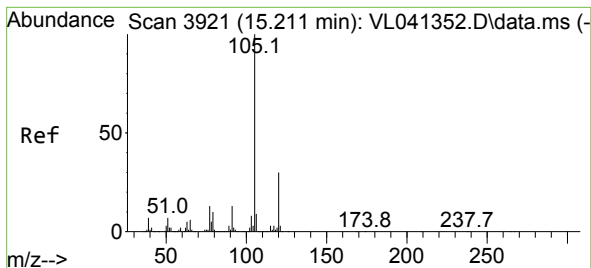
Tgt Ion:119 Resp: 33008
Ion Ratio Lower Upper
119 100
134 52.3 20.0 30.0#
91 56.9 23.7 35.5#



#70
n-Butylbenzene
Concen: 0.093 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. 0.007 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

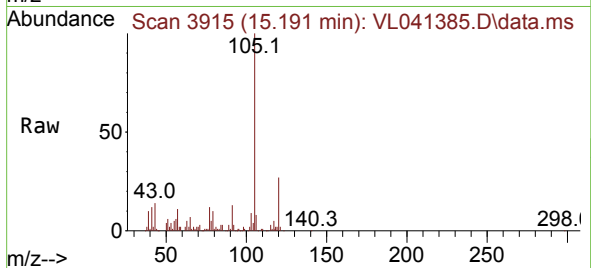
Tgt Ion: 91 Resp: 38454
Ion Ratio Lower Upper
91 100
92 62.1 43.0 64.6
134 0.0 18.0 27.0#



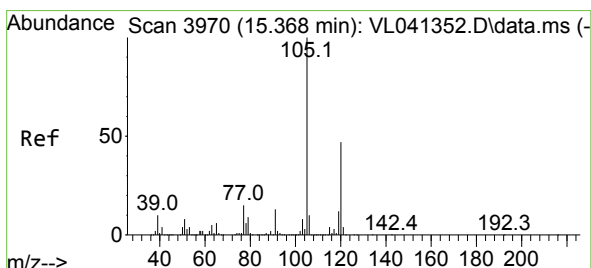
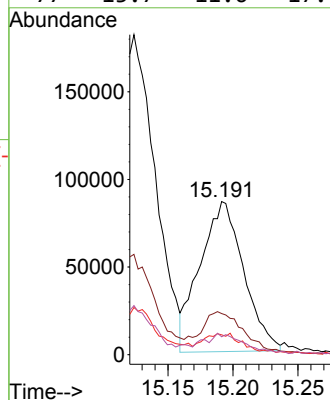
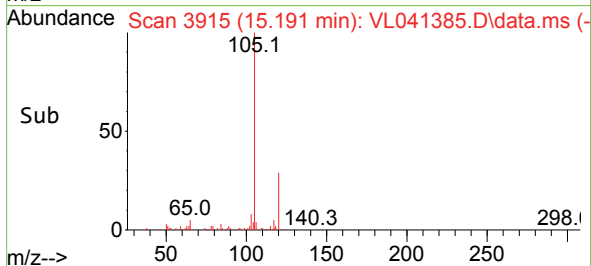


#72
4-Ethyltoluene
Concen: 0.670 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

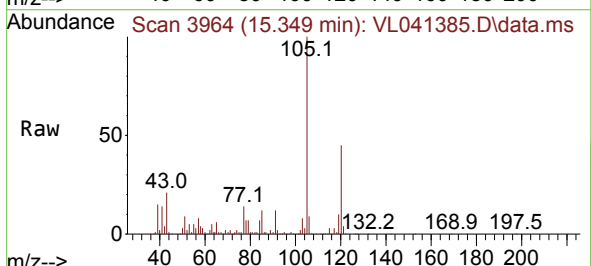
Instrument :
MSVOA_L
ClientSampleId :



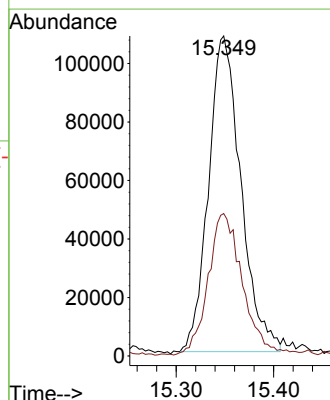
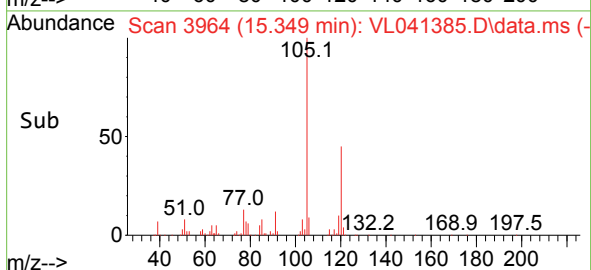
Tgt Ion:	105	Resp:	200405
Ion	Ratio	Lower	Upper
105	100		
120	31.3	24.2	36.4
91	13.1	10.2	15.2
77	13.7	11.6	17.4

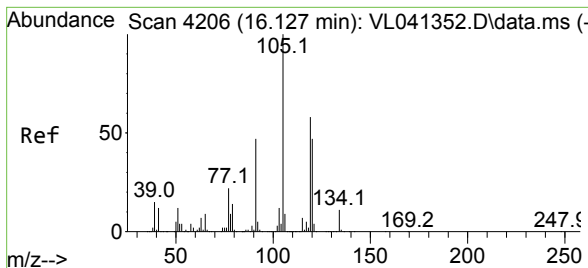


#73
1,3,5-Trimethylbenzene
Concen: 0.975 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03



Tgt Ion:	105	Resp:	249693
Ion	Ratio	Lower	Upper
105	100		
120	44.0	37.3	55.9





#74

1,2,4-Trimethylbenzene

Concen: 2.435 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 702754

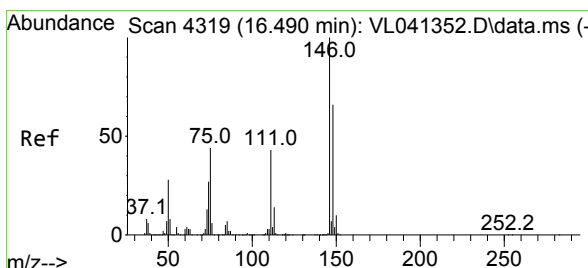
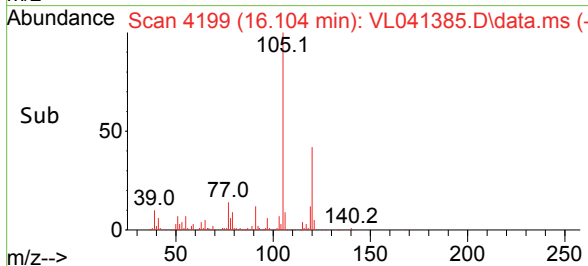
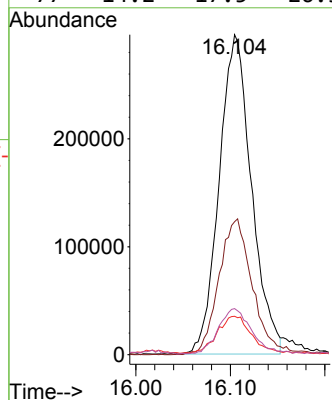
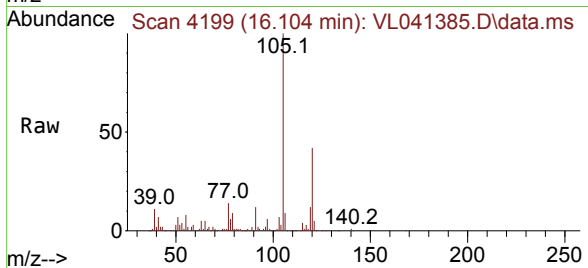
Ion Ratio Lower Upper

105 100

120 41.6 37.8 56.8

91 11.4 38.0 57.0#

77 14.2 17.5 26.3#



#76

1,4-Dichlorobenzene

Concen: 0.037 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. 0.010 min

Lab File: VL041385.D

Acq: 22 Jul 2024 14:03

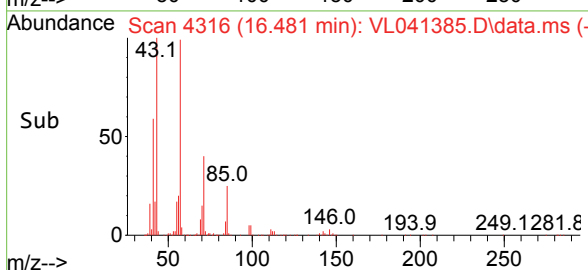
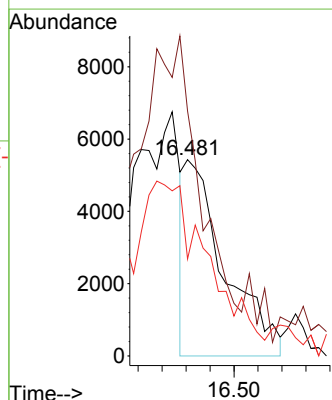
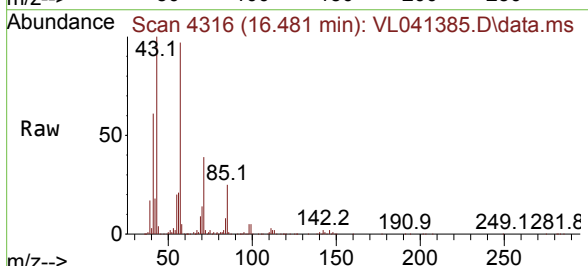
Tgt Ion:146 Resp: 6302

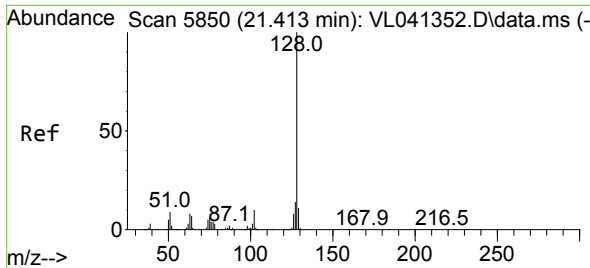
Ion Ratio Lower Upper

146 100

111 316.9 22.9 68.8#

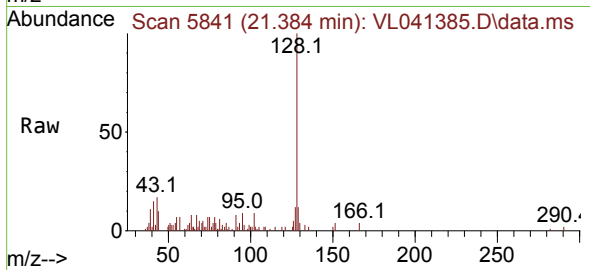
148 0.0 32.8 98.3#



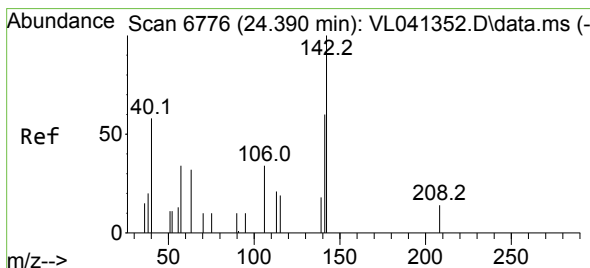
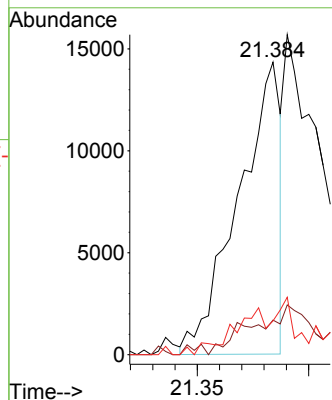
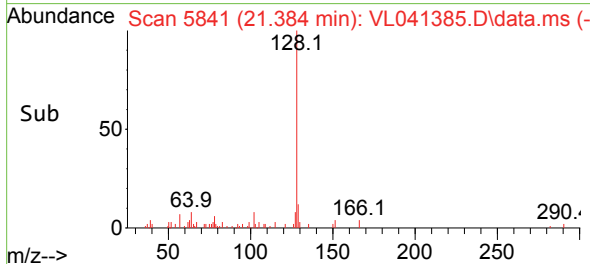


#79
Naphthalene
Concen: 0.121 ppbv
RT: 21.384 min Scan# 5841
Delta R.T. 0.000 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

Instrument :
MSVOA_L
ClientSampleId :

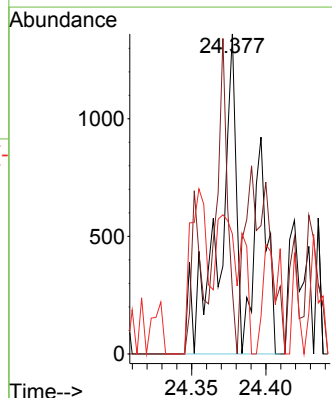
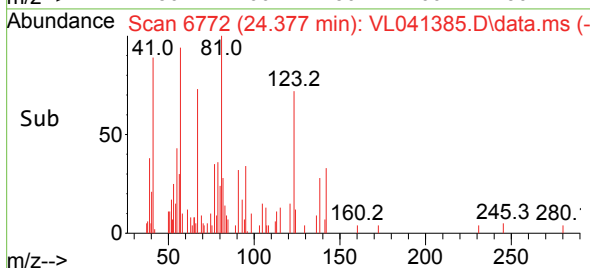
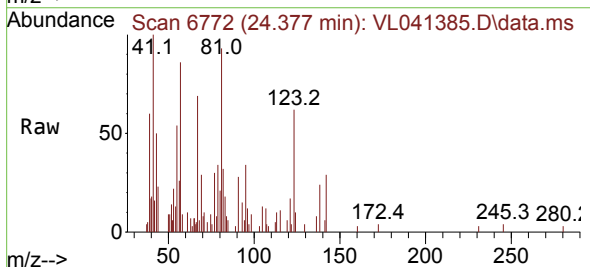


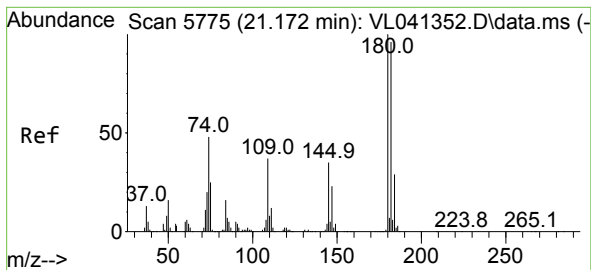
Tgt Ion:128 Resp: 18749
Ion Ratio Lower Upper
128 100
127 12.1 10.8 16.2
129 11.8 9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 4.010 ppbv
RT: 24.377 min Scan# 6772
Delta R.T. -0.003 min
Lab File: VL041385.D
Acq: 22 Jul 2024 14:03

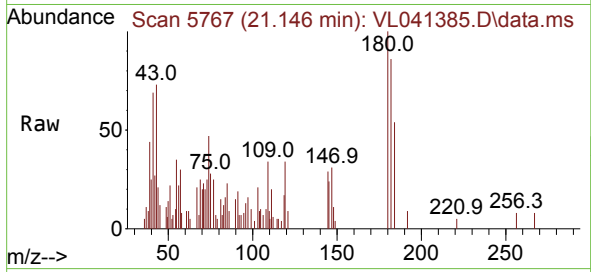
Tgt Ion:142 Resp: 1638
Ion Ratio Lower Upper
142 100
141 60.5 37.9 56.9#
115 88.1 11.0 16.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.043 ppbv
 RT: 21.146 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041385.D
 Acq: 22 Jul 2024 14:03

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 4143
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.1 117.1#
 184 75.7 25.2 37.8#

