

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
 Data File : VL041168.D
 Acq On : 25 Apr 2024 13:17
 Operator : SY/MD
 Sample : P2253-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Apr 26 03:12:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 26 03:09:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1212702	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3032951	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2918328	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.748	95	2482875	10.580	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.729	85	167795	0.809	ppbv	98
3) Chlorodifluoromethane	2.652	51	2083243	11.153	ppbv #	59
4) Chloromethane	2.806	50	2291	0.032	ppbv	98
6) Bromomethane	2.716	94	1196	0.047	ppbv #	63
9) Propene	2.694	41	1018009	17.133	ppbv	87
10) Heptane	7.555	43	39649	0.281	ppbv #	27
11) Trichlorofluoromethane	3.555	101	149955	0.797	ppbv	95
13) Ethanol	3.237	45	41121	2.910	ppbv	94
15) Acetone	3.459	43	1309827	9.975	ppbv	96
16) 1,3-Butadiene	2.960	39	772362	11.982	ppbv #	16
19) Isopropyl Alcohol	3.578	45	21186	0.266	ppbv #	89
20) Methylene Chloride	3.925	84	377353	6.968	ppbv	98
21) Allyl Chloride	3.944	41	17470	0.218	ppbv #	26
22) trans-1,2-Dichloroethene	4.430	96	4638	0.076	ppbv	86
23) Vinyl Acetate	4.594	43	25929	0.193	ppbv #	1
25) Ethyl Acetate	5.195	43	377580	1.531	ppbv #	78
26) Hexane	5.198	57	511391	4.622	ppbv #	40
27) Carbon Disulfide	4.115	76	2277483	16.798	ppbv	99
29) Chloroform	5.259	83	178270	0.956	ppbv	93
30) Cyclohexane	6.578	84	10495	0.116	ppbv #	1
31) cis-1,2-Dichloroethene	5.060	61	4301	0.041	ppbv #	86
34) 2-Butanone	4.777	43	376017	2.930	ppbv	98
36) Benzene	6.353	78	215205	0.966	ppbv	95
38) Trichloroethene	7.266	130	81930	1.018	ppbv	96
39) 1,2-Dichloropropane	6.632	63	777010	8.848	ppbv #	25
41) Tetrahydrofuran	5.787	42	3297	0.039	ppbv #	37
44) 2,2,4-Trimethylpentane	7.304	57	125579	0.341	ppbv #	44
50) 4-Methyl-2-Pentanone	8.163	43	12487	0.055	ppbv #	40
51) 2-Hexanone	9.536	43	171459	1.095	ppbv #	89
52) Tetrachloroethene	10.590	164	554590	7.804	ppbv	94
53) Toluene	9.192	91	229582	0.979	ppbv #	20
58) Ethyl Benzene	12.063	91	306280	0.959	ppbv	90
59) m/p-Xylene	12.314	91	592162	2.052	ppbv	96
60) o-Xylene	13.034	91	156274	0.572	ppbv #	31
62) Isopropylbenzene	14.002	105	27769	0.068	ppbv #	51
64) n-propylbenzene	14.886	120	17059	0.167	ppbv #	1
66) Benzyl Chloride	16.288	91	1295	0.055	ppbv #	67
67) sec-Butylbenzene	16.603	105	23421	0.046	ppbv	98
70) n-Butylbenzene	17.857	91	17139	0.039	ppbv #	54
71) 2-Chlorotoluene	14.899	91	55613	0.178	ppbv	100
72) 4-Ethyltoluene	15.166	105	135104	0.442	ppbv #	92
73) 1,3,5-Trimethylbenzene	15.326	105	74412	0.276	ppbv	97
74) 1,2,4-Trimethylbenzene	16.076	105	218411	0.709	ppbv #	66

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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SV2

Quant Time: Apr 26 03:12:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 26 03:09:28 2024
Response via : Initial Calibration

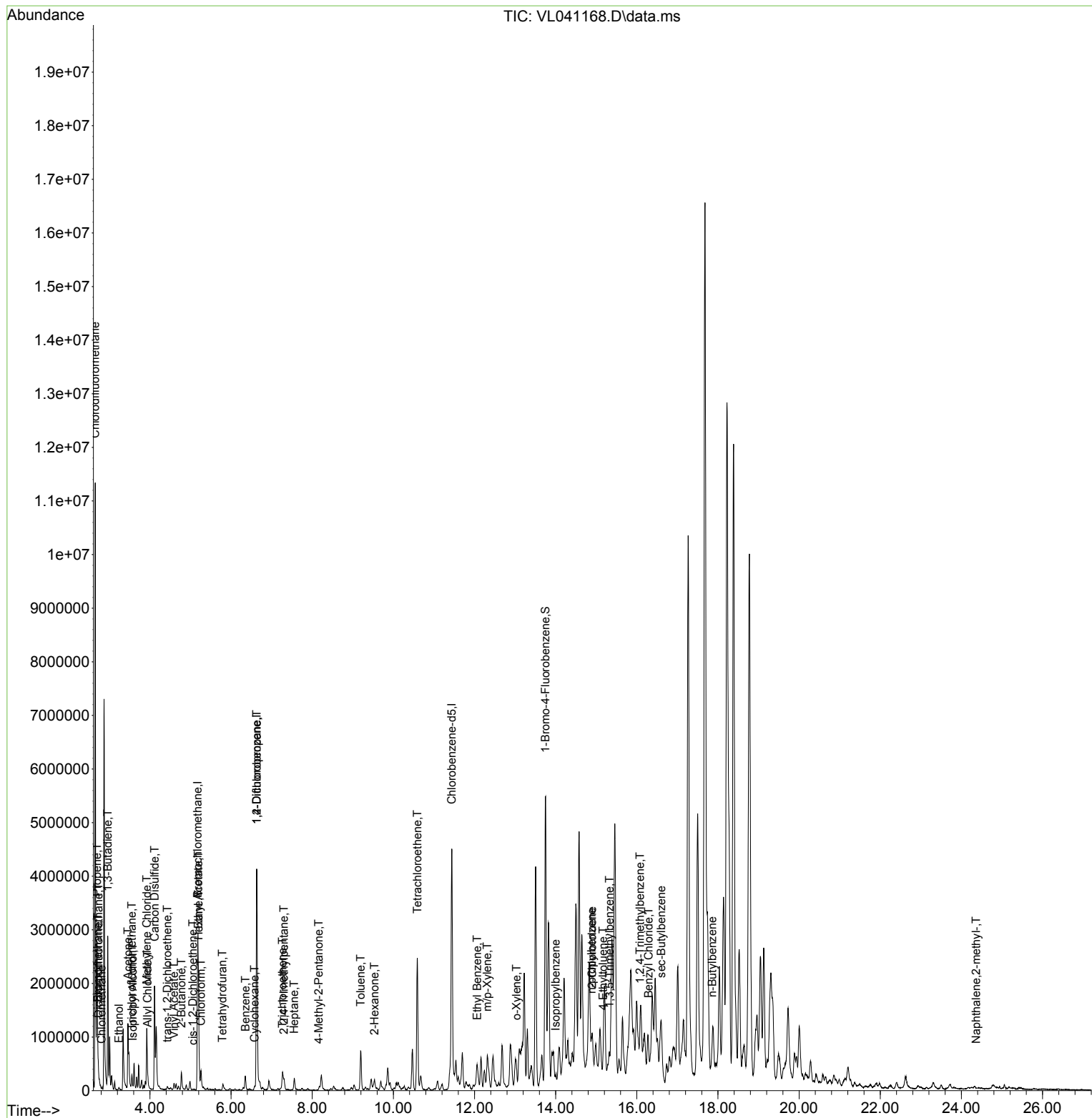
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.361	142	1808	0.047	ppbv	# 70

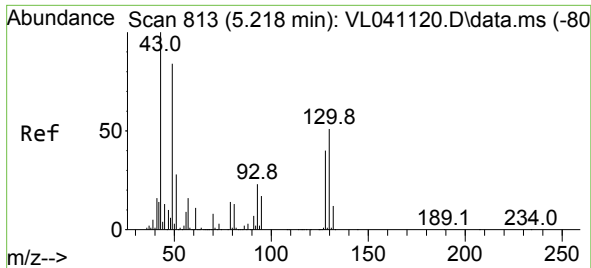
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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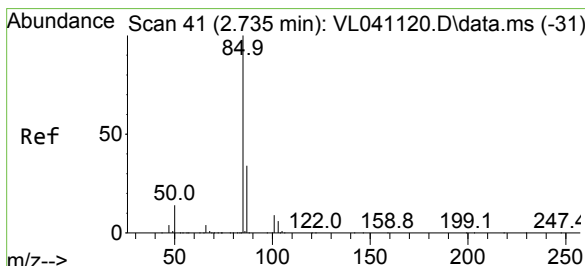
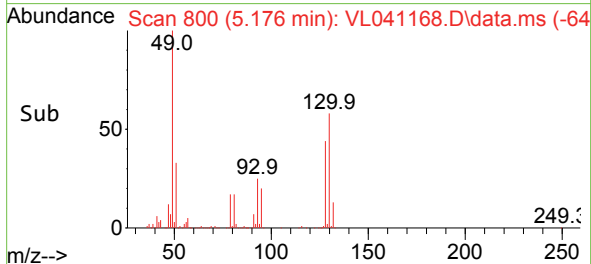
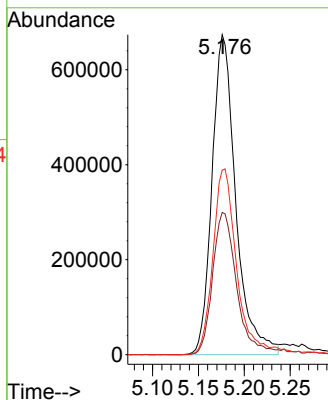
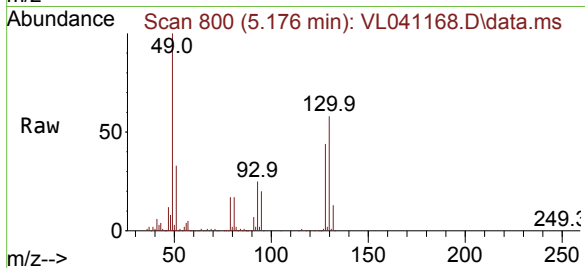




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

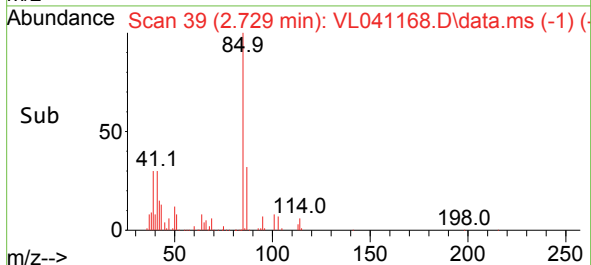
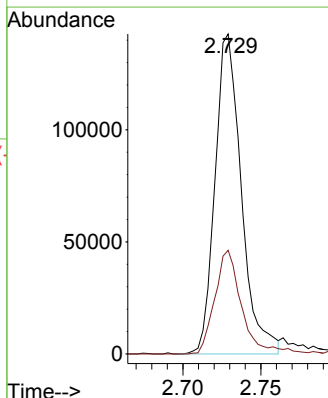
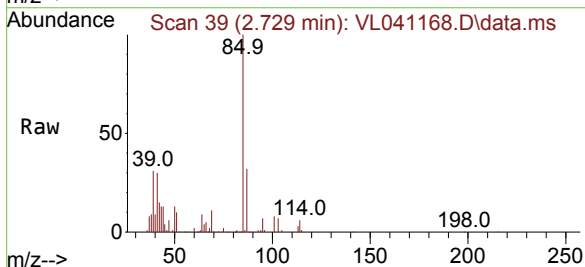
Instrument :
MSVOA_L
ClientSampleId :
SV2

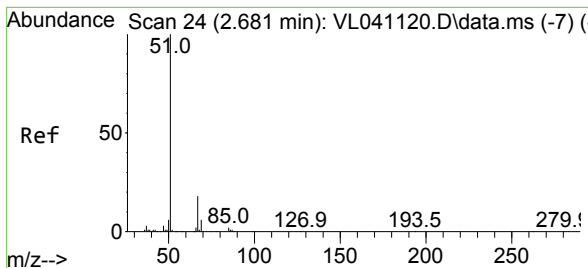
Tgt Ion: 49 Resp: 1212702
Ion Ratio Lower Upper
49 100
128 47.2 23.6 71.0
130 60.7 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.809 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.000 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 85 Resp: 167795
Ion Ratio Lower Upper
85 100
87 32.4 27.0 40.6





#3

Chlorodifluoromethane

Concen: 11.153 ppbv

RT: 2.652 min Scan# 11

Delta R.T. -0.022 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

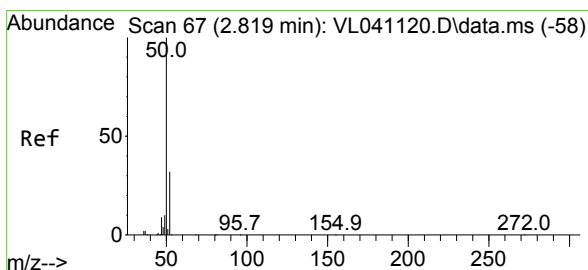
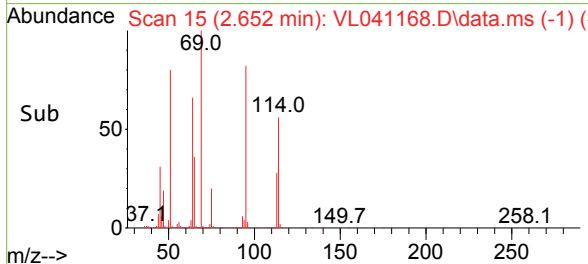
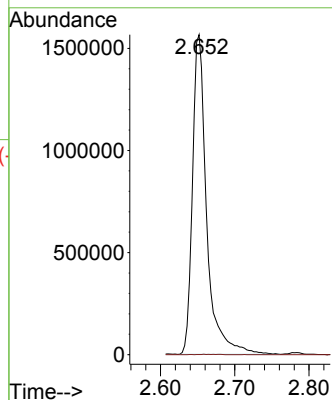
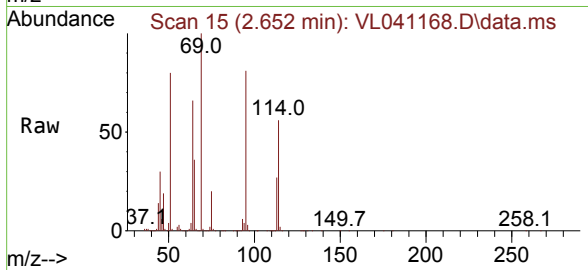
SV2

Tgt Ion: 51 Resp: 2083243

Ion Ratio Lower Upper

51 100

67 0.2 14.9 22.3#



#4

Chloromethane

Concen: 0.032 ppbv

RT: 2.806 min Scan# 63

Delta R.T. -0.003 min

Lab File: VL041168.D

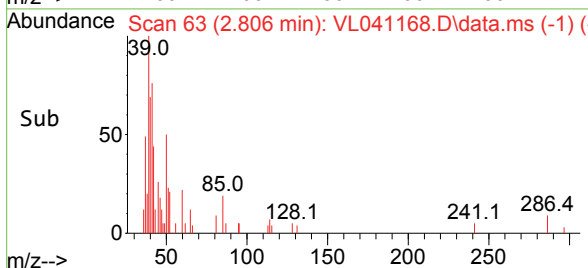
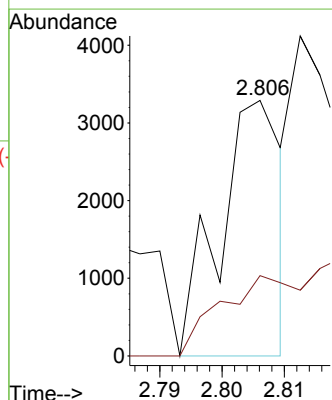
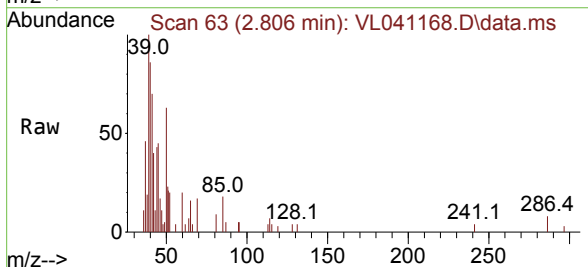
Acq: 25 Apr 2024 13:17

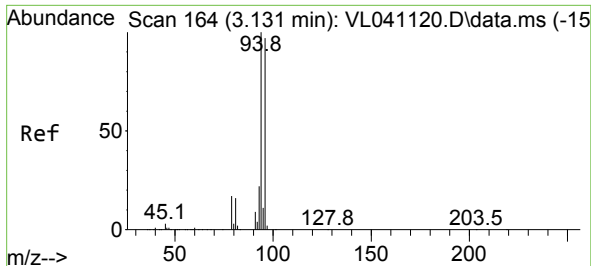
Tgt Ion: 50 Resp: 2291

Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0

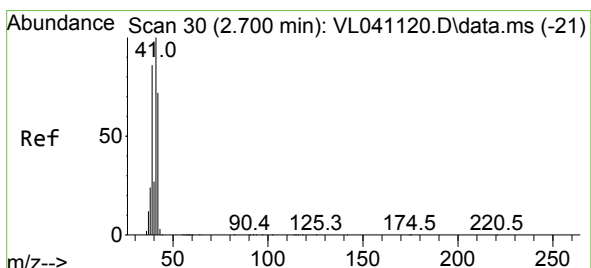
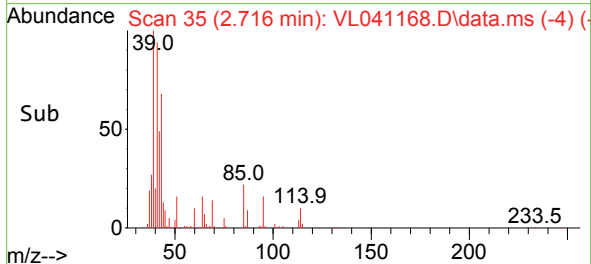
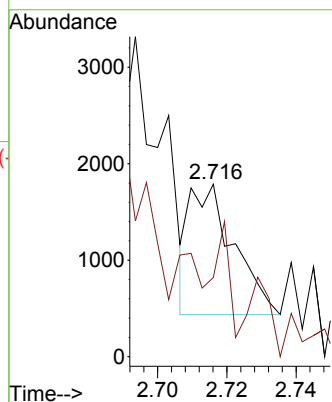
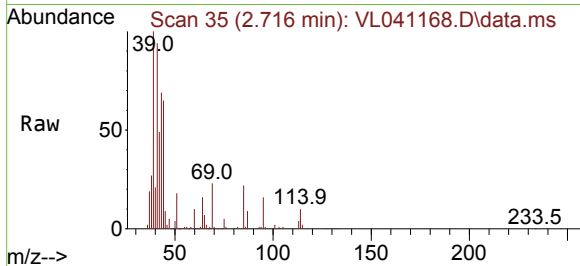




#6
Bromomethane
Concen: 0.047 ppbv
RT: 2.716 min Scan# 31
Delta R.T. -0.402 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

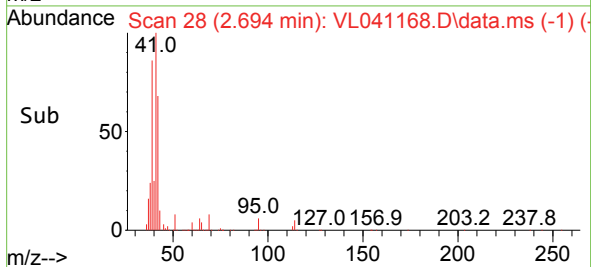
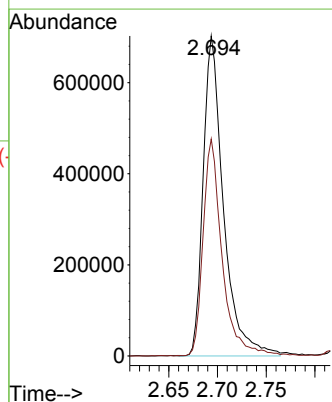
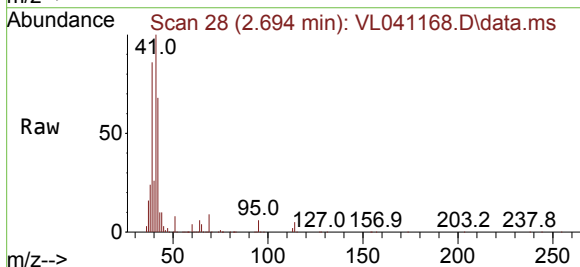
Instrument :
MSVOA_L
ClientSampleId :
SV2

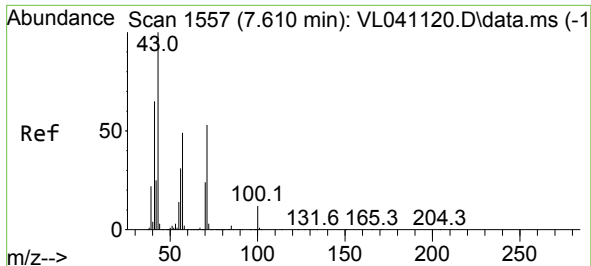
Tgt Ion: 94 Resp: 1196
Ion Ratio Lower Upper
94 100
96 60.7 77.9 116.9#



#9
Propene
Concen: 17.133 ppbv
RT: 2.694 min Scan# 28
Delta R.T. 0.000 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 41 Resp: 1018009
Ion Ratio Lower Upper
41 100
42 64.2 60.1 90.1

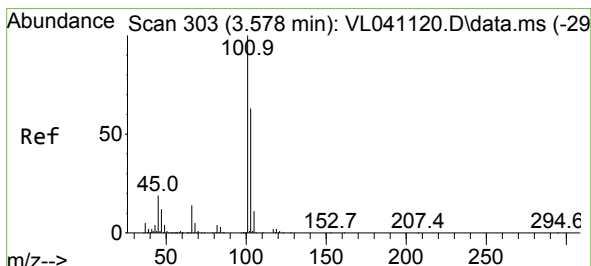
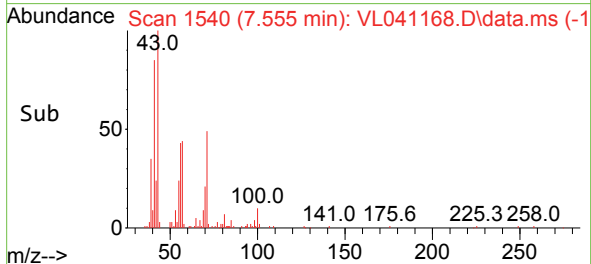
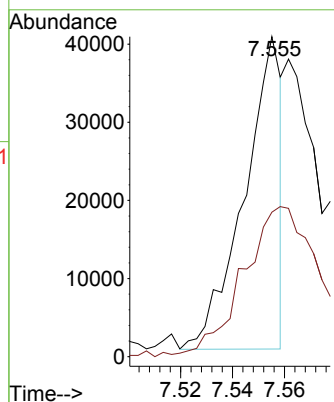
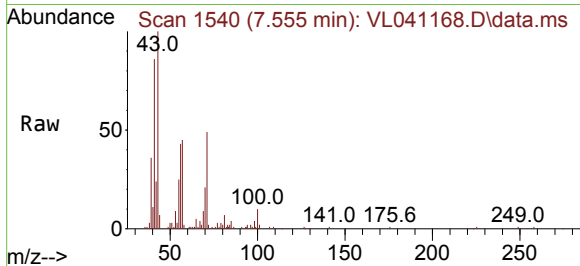




#10
Heptane
Concen: 0.281 ppbv
RT: 7.555 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

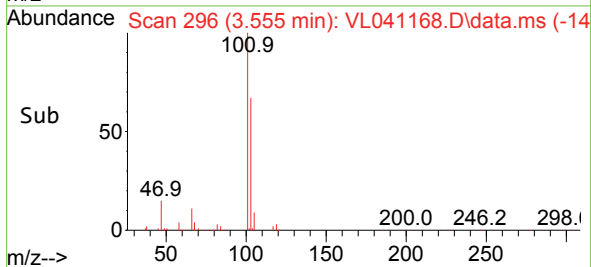
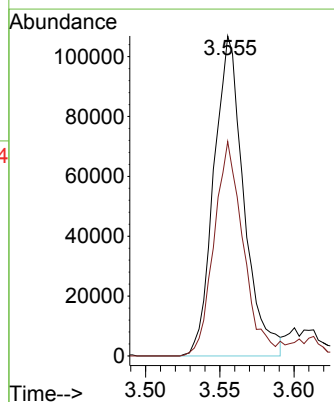
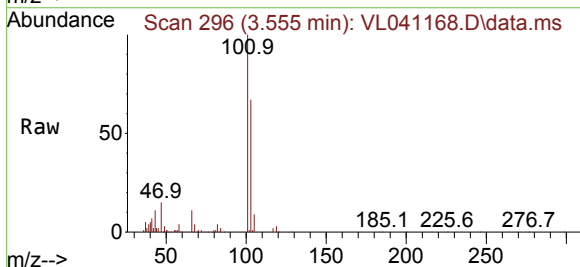
Instrument :
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ClientSampleId :
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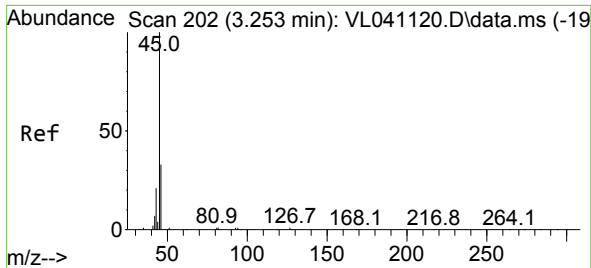
Tgt Ion: 43 Resp: 39649
Ion Ratio Lower Upper
43 100
57 0.0 39.9 59.9#



#11
Trichlorofluoromethane
Concen: 0.797 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.000 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion:101 Resp: 149955
Ion Ratio Lower Upper
101 100
103 67.0 50.6 75.8

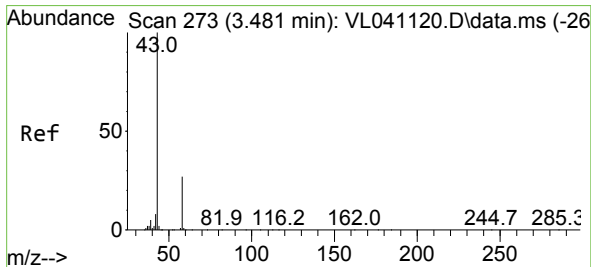
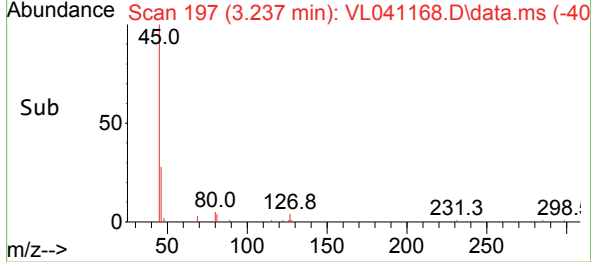
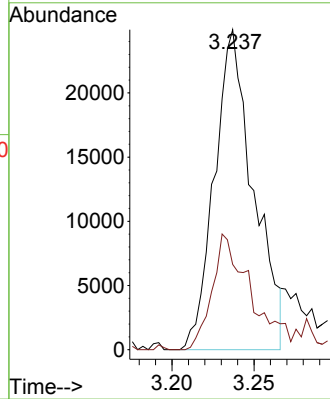
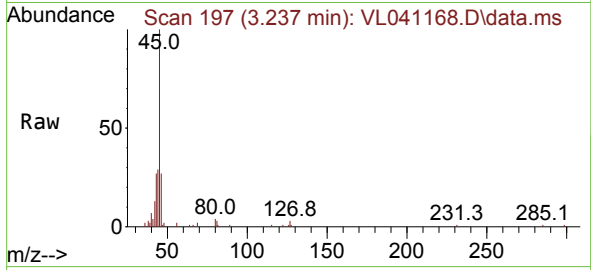




#13
Ethanol
Concen: 2.910 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

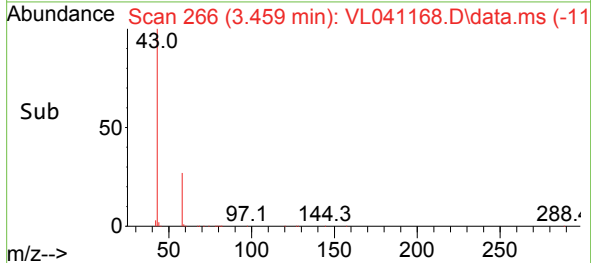
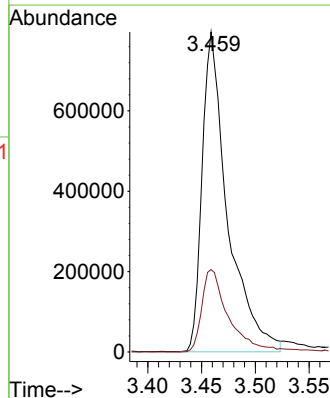
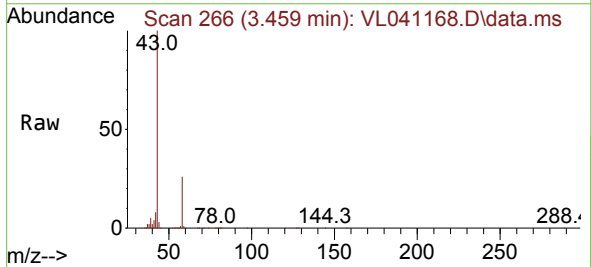
Instrument :
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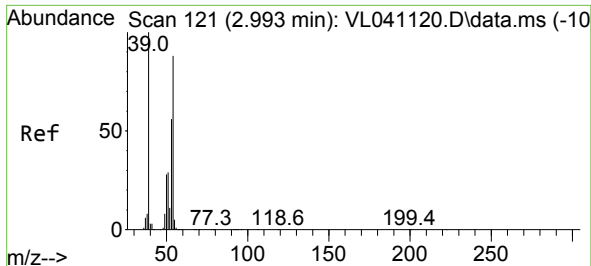
Tgt Ion: 45 Resp: 41121
Ion Ratio Lower Upper
45 100
46 40.8 15.0 59.8



#15
Acetone
Concen: 9.975 ppbv
RT: 3.459 min Scan# 266
Delta R.T. 0.000 min
Lab File: VL041168.D
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Tgt Ion: 43 Resp: 1309827
Ion Ratio Lower Upper
43 100
58 28.4 21.1 31.7

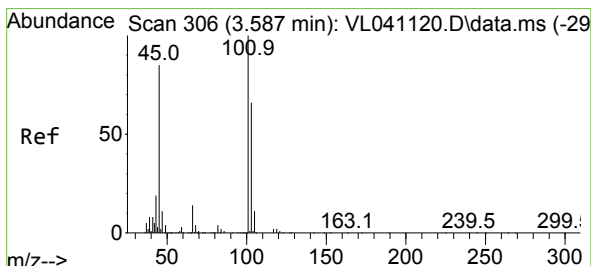
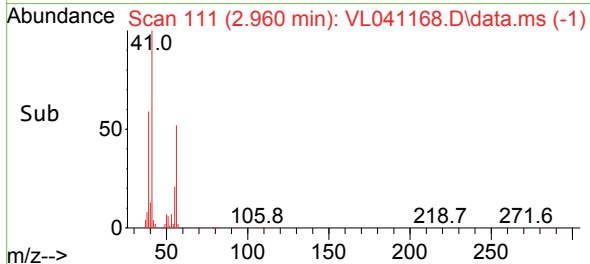
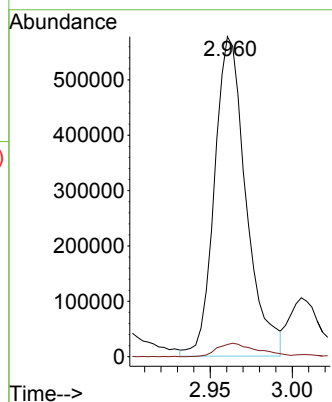
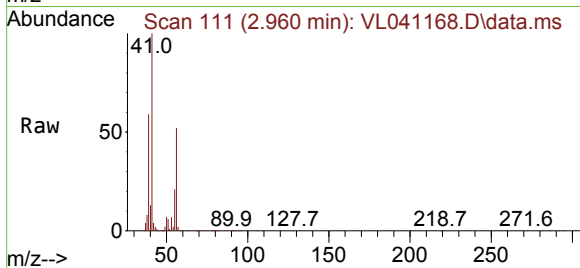




#16
1,3-Butadiene
Concen: 11.982 ppbv
RT: 2.960 min Scan# 111
Delta R.T. -0.022 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

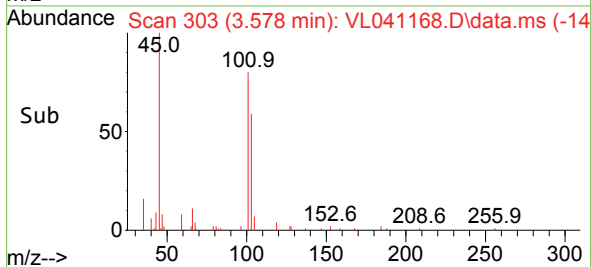
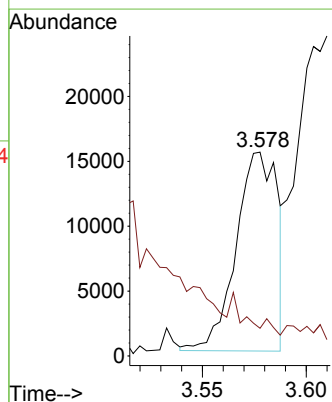
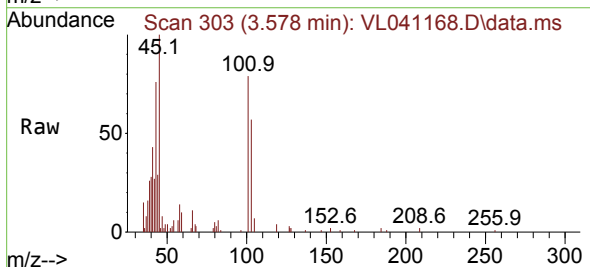
Instrument :
MSVOA_L
ClientSampleId :
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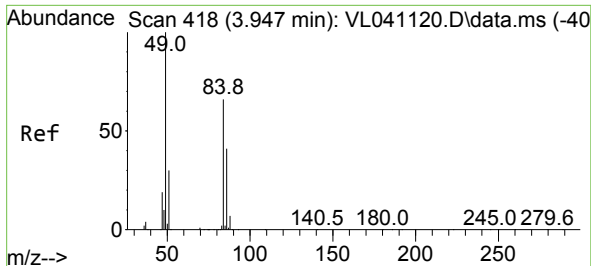
Tgt Ion: 39 Resp: 772362
Ion Ratio Lower Upper
39 100
54 5.9 63.5 95.3#



#19
Isopropyl Alcohol
Concen: 0.266 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.010 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 45 Resp: 21186
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#



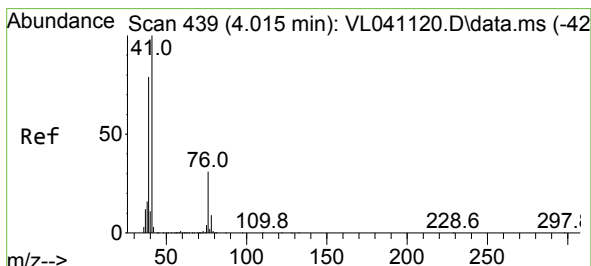
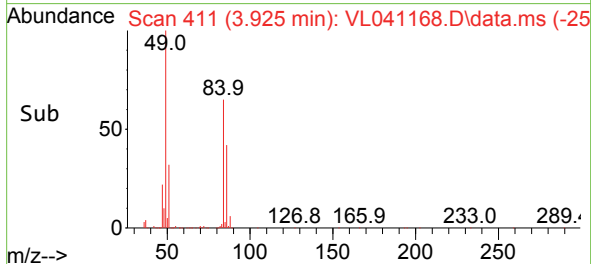
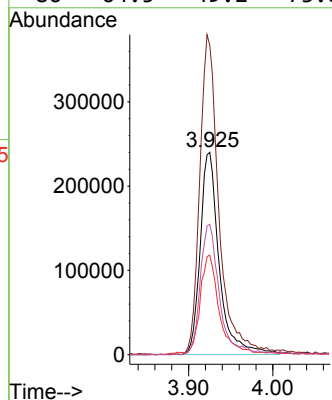
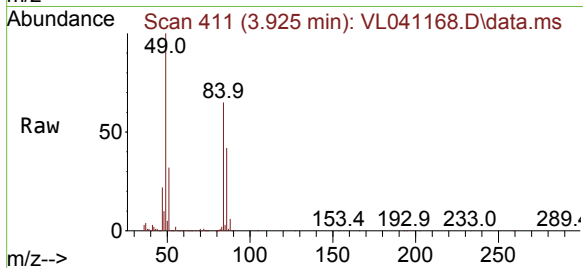


#20
Methylene Chloride
Concen: 6.968 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 84 Resp: 377353

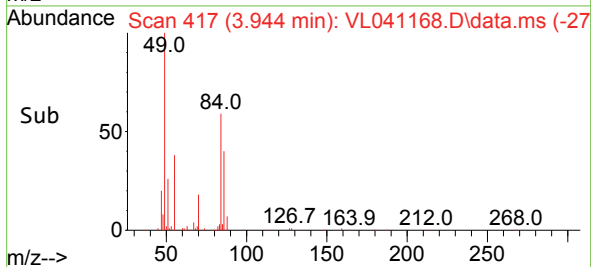
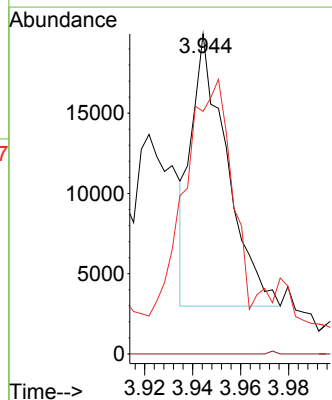
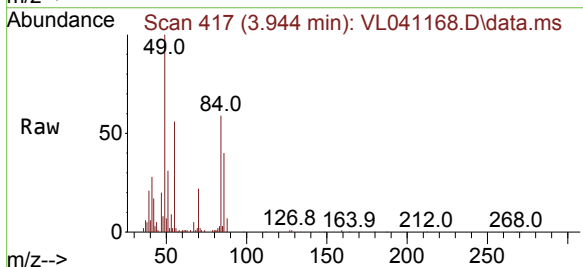
Ion	Ratio	Lower	Upper
84	100		
49	152.8	120.7	181.1
51	48.1	36.6	54.8
86	64.5	49.2	73.8

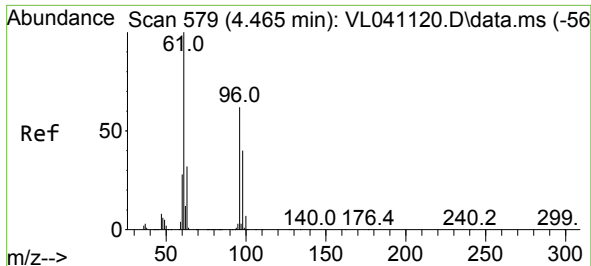


#21
Allyl Chloride
Concen: 0.218 ppbv
RT: 3.944 min Scan# 417
Delta R.T. -0.042 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 41 Resp: 17470

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.7	38.5#
39	153.8	65.7	98.5#

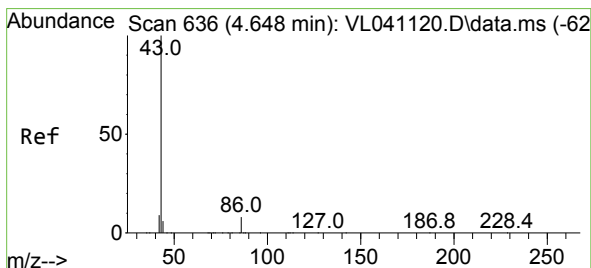
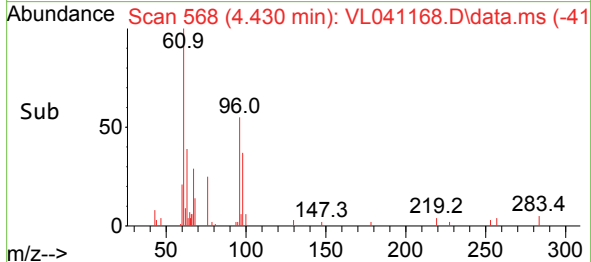
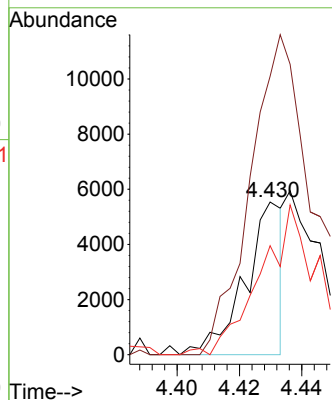
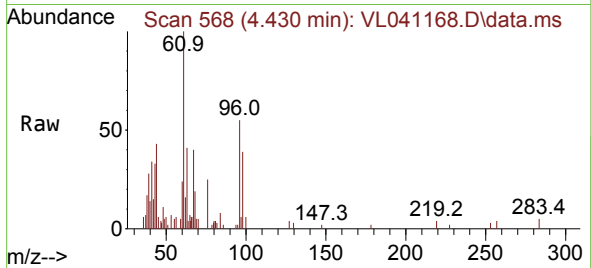




#22
trans-1,2-Dichloroethene
Concen: 0.076 ppbv
RT: 4.430 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

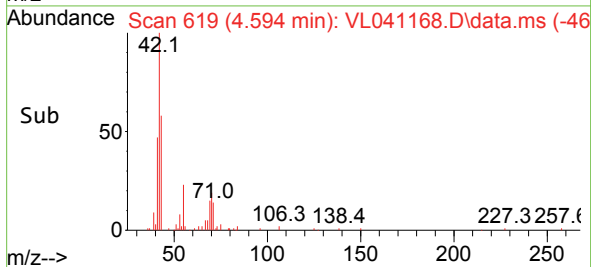
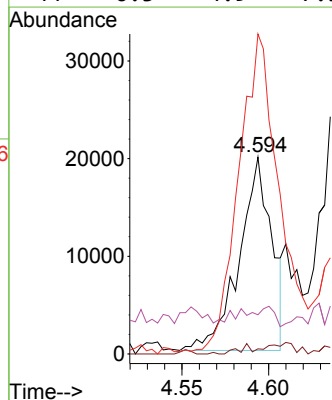
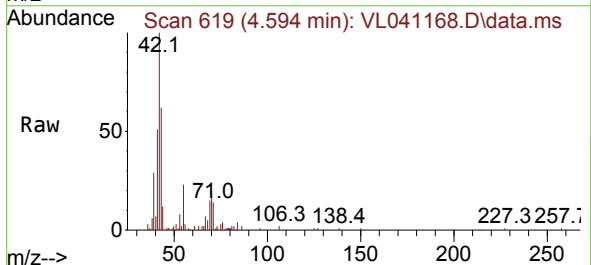
Instrument :
MSVOA_L
ClientSampleId :
SV2

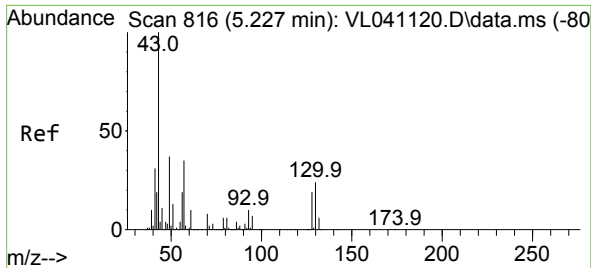
Tgt Ion: 96 Resp: 4638
Ion Ratio Lower Upper
96 100
61 182.3 128.4 192.6
98 71.3 51.5 77.3



#23
Vinyl Acetate
Concen: 0.193 ppbv
RT: 4.594 min Scan# 619
Delta R.T. -0.019 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 43 Resp: 25929
Ion Ratio Lower Upper
43 100
86 1.6 6.2 9.4#
42 164.1 7.7 11.5#
44 6.3 4.9 7.3

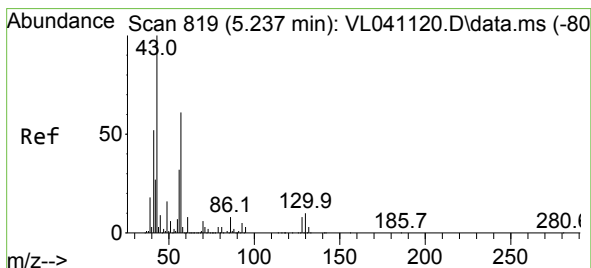
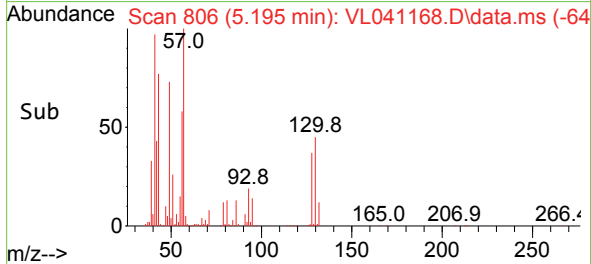
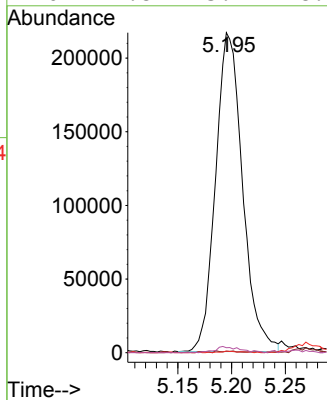
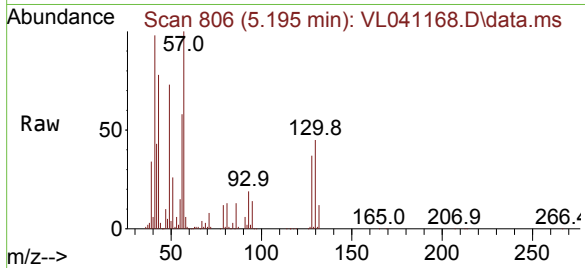




#25
Ethyl Acetate
Concen: 1.531 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.007 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

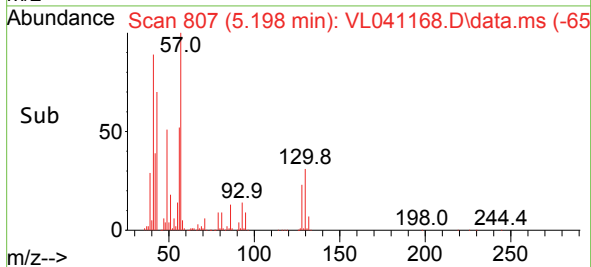
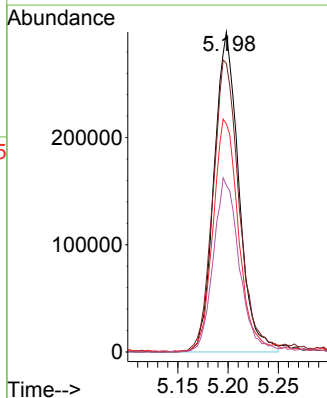
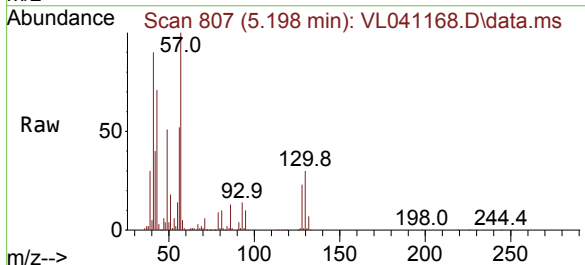
Instrument :
MSVOA_L
ClientSampleId :
SV2

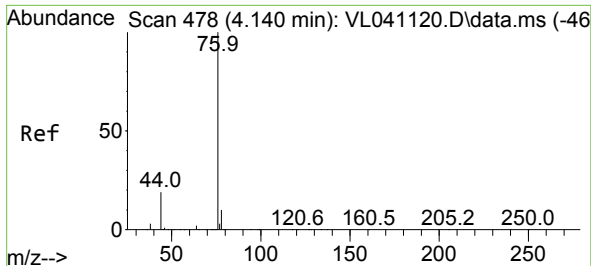
Tgt Ion:	43	Resp:	377580
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.0	12.0#
61	0.4	7.8	11.6#
70	1.8	5.4	8.0#



#26
Hexane
Concen: 4.622 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion:	57	Resp:	511391
Ion	Ratio	Lower	Upper
57	100		
41	98.6	73.8	110.8
43	76.6	186.2	279.2#
56	58.6	43.1	64.7





#27

Carbon Disulfide

Concen: 16.798 ppbv

RT: 4.115 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

SV2

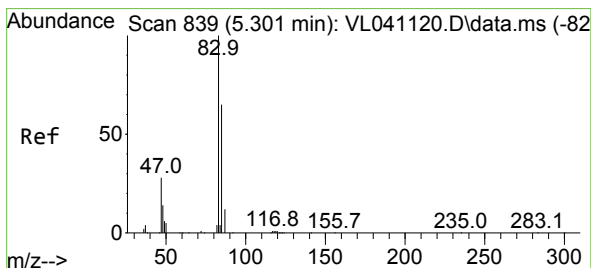
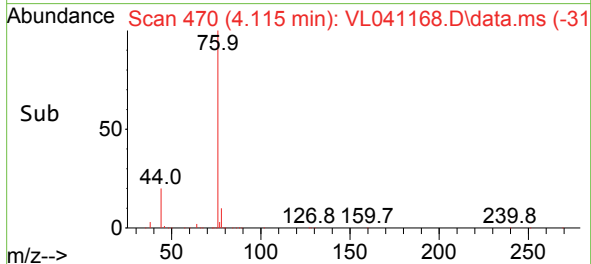
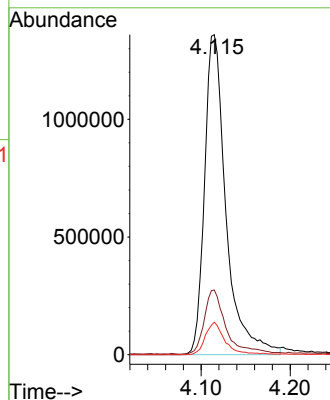
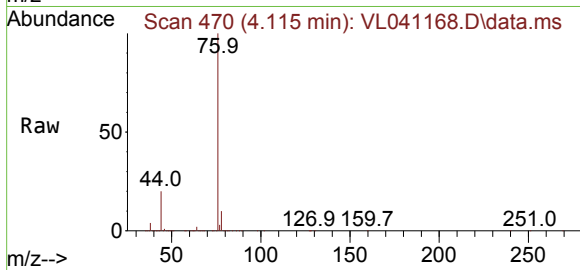
Tgt Ion: 76 Resp: 2277483

Ion Ratio Lower Upper

76 100

44 20.8 16.3 24.5

78 9.6 7.9 11.9



#29

Chloroform

Concen: 0.956 ppbv

RT: 5.259 min Scan# 826

Delta R.T. 0.000 min

Lab File: VL041168.D

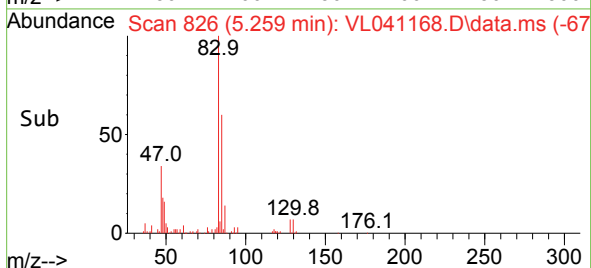
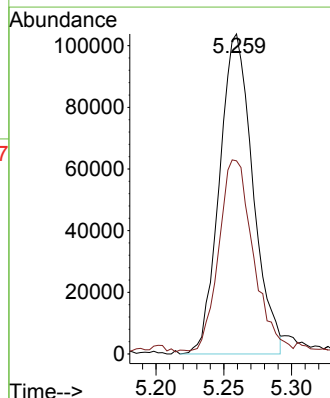
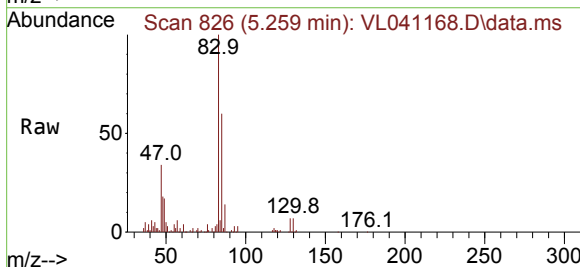
Acq: 25 Apr 2024 13:17

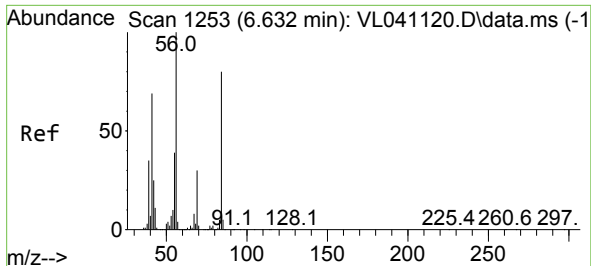
Tgt Ion: 83 Resp: 178270

Ion Ratio Lower Upper

83 100

85 59.2 51.5 77.3

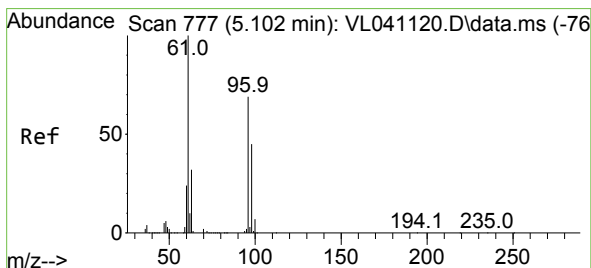
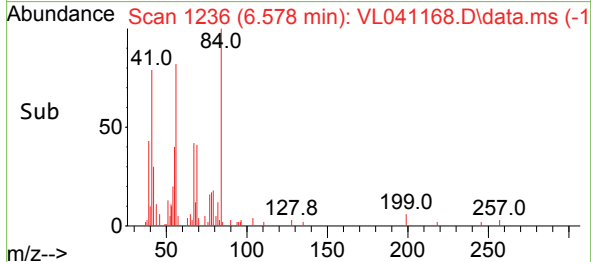
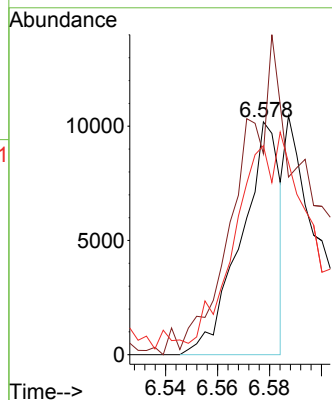
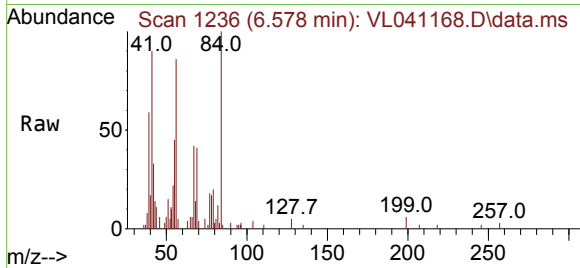




#30
Cyclohexane
Concen: 0.116 ppbv
RT: 6.578 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

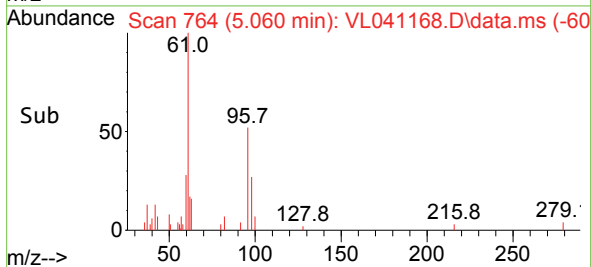
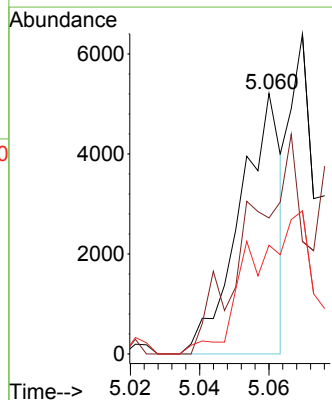
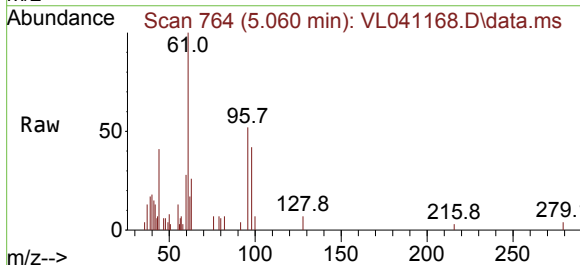
Instrument :
MSVOA_L
ClientSampleId :
SV2

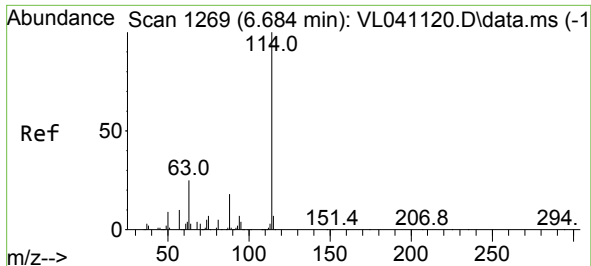
Tgt Ion: 84 Resp: 10495
Ion Ratio Lower Upper
84 100
56 0.0 111.9 167.9#
41 0.0 71.0 106.6#



#31
cis-1,2-Dichloroethene
Concen: 0.041 ppbv
RT: 5.060 min Scan# 764
Delta R.T. -0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 61 Resp: 4301
Ion Ratio Lower Upper
61 100
96 52.2 54.9 82.3#
98 41.8 35.9 53.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

SV2

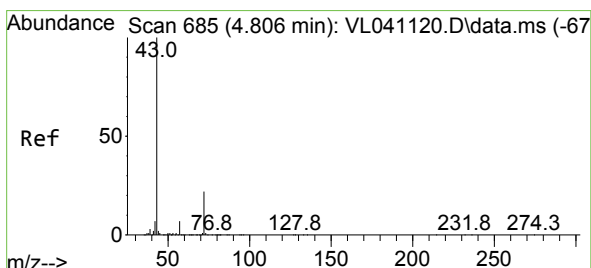
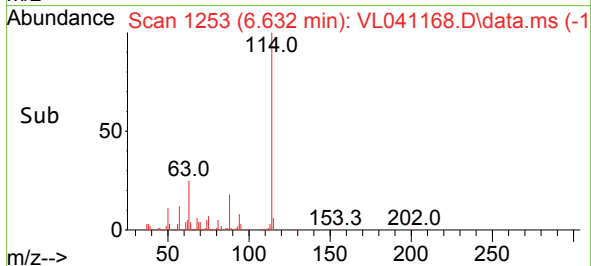
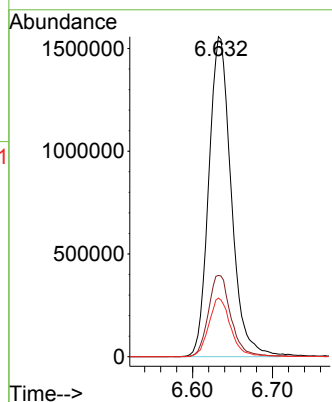
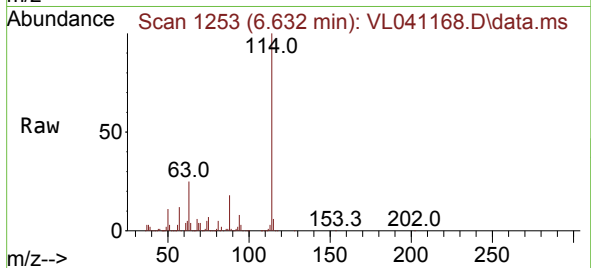
Tgt Ion:114 Resp: 3032951

Ion Ratio Lower Upper

114 100

63 25.8 20.9 31.3

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 2.930 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.007 min

Lab File: VL041168.D

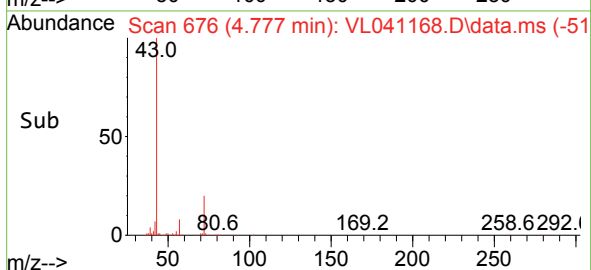
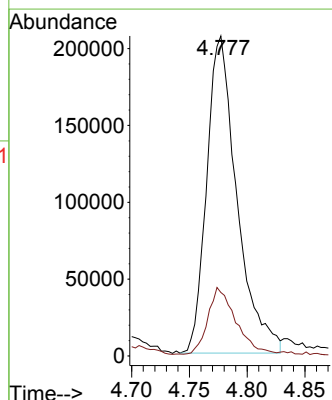
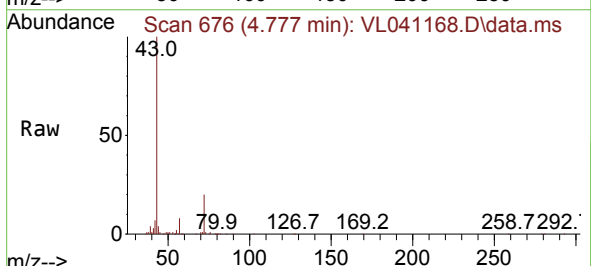
Acq: 25 Apr 2024 13:17

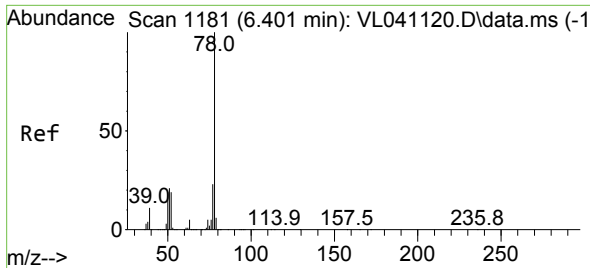
Tgt Ion: 43 Resp: 376017

Ion Ratio Lower Upper

43 100

72 22.9 17.6 26.4





#36

Benzene

Concen: 0.966 ppbv

RT: 6.353 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

SV2

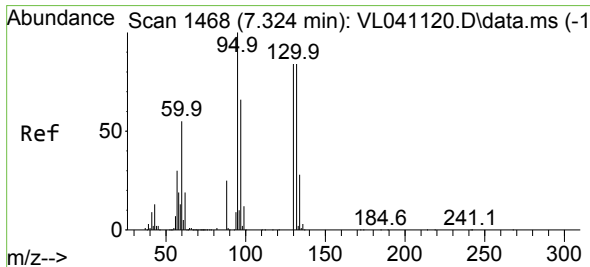
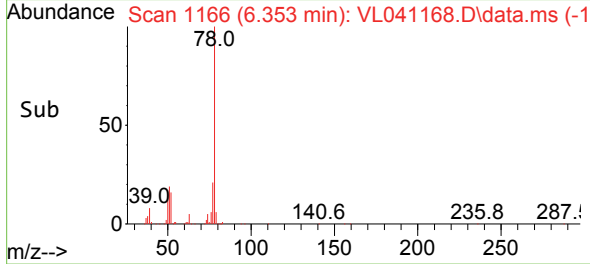
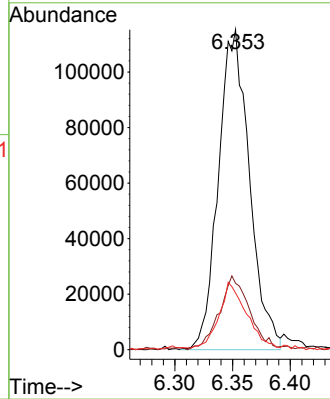
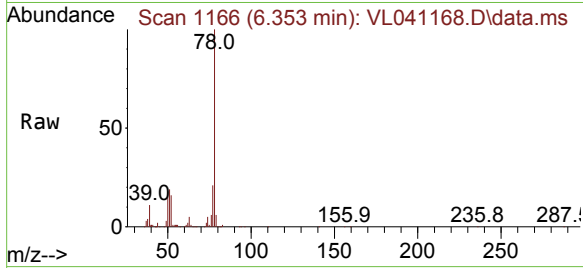
Tgt Ion: 78 Resp: 215205

Ion Ratio Lower Upper

78 100

77 20.2 18.2 27.4

50 17.0 15.4 23.2



#38

Trichloroethene

Concen: 1.018 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. -0.006 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Tgt Ion: 130 Resp: 81930

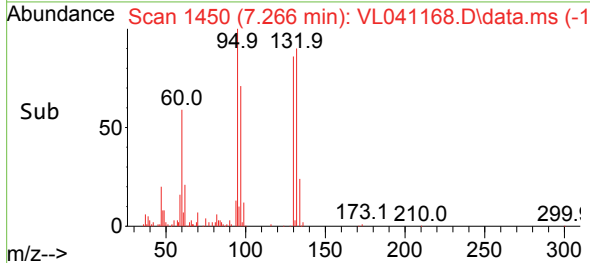
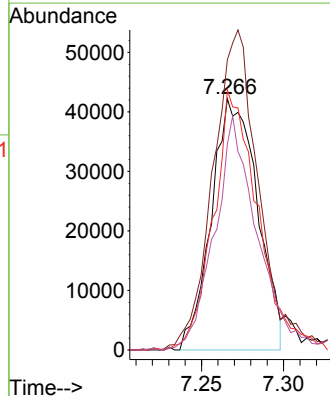
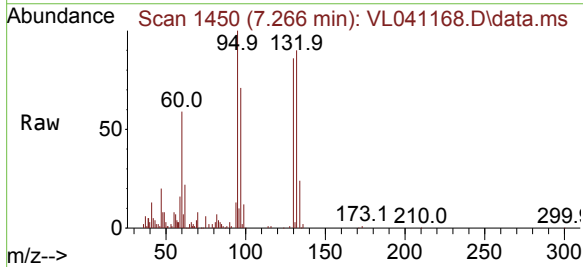
Ion Ratio Lower Upper

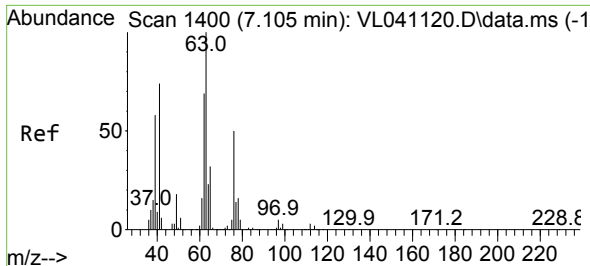
130 100

95 110.0 95.4 143.0

132 101.2 80.0 120.0

97 79.3 63.3 94.9





#39

1,2-Dichloropropane

Concen: 8.848 ppbv

RT: 6.632 min Scan# 1

Delta R.T. -0.424 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

SV2

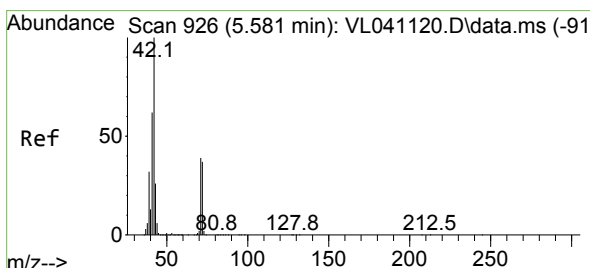
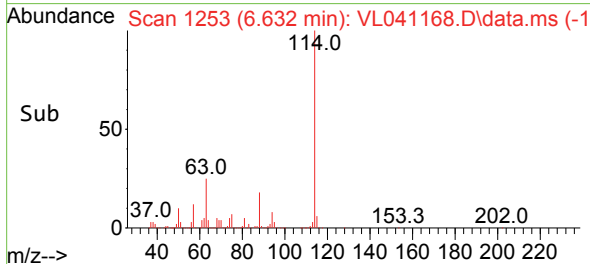
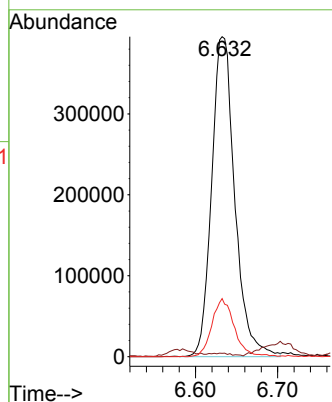
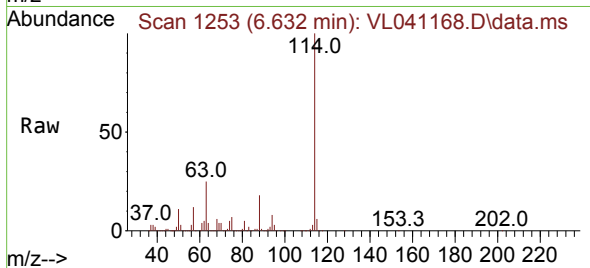
Tgt Ion: 63 Resp: 777010

Ion Ratio Lower Upper

63 100

41 0.0 58.7 88.1#

62 18.1 55.5 83.3#



#41

Tetrahydrofuran

Concen: 0.039 ppbv

RT: 5.787 min Scan# 990

Delta R.T. 0.248 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

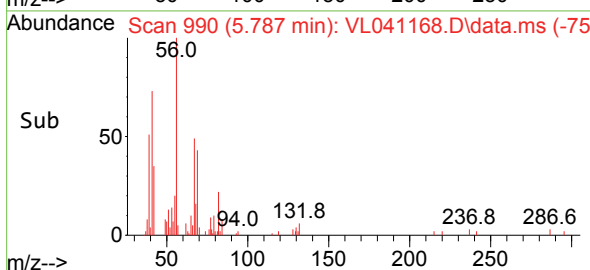
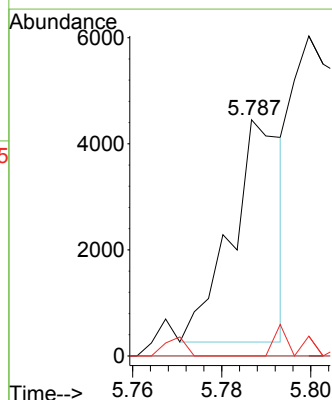
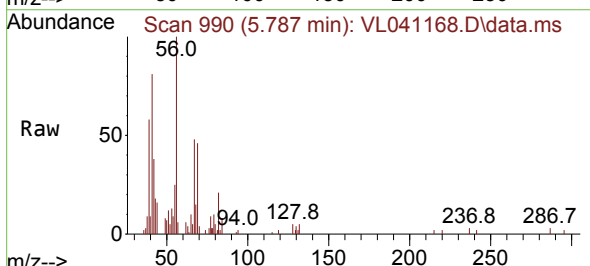
Tgt Ion: 42 Resp: 3297

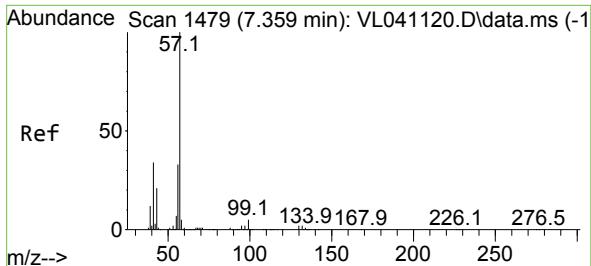
Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

71 0.0 29.9 44.9#

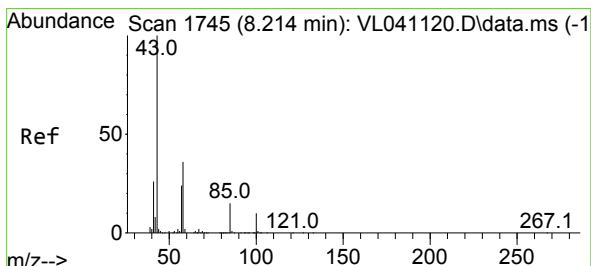
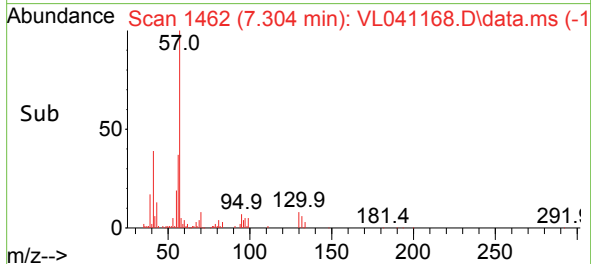
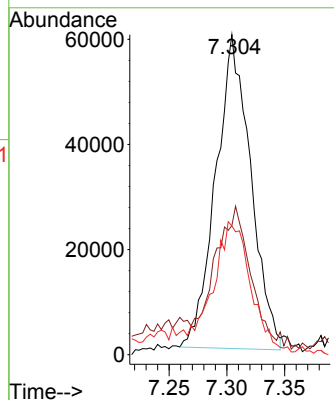
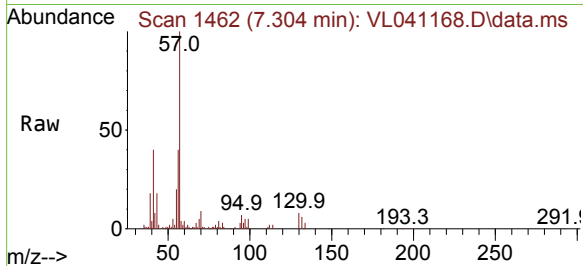




#44
2,2,4-Trimethylpentane
Concen: 0.341 ppbv
RT: 7.304 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

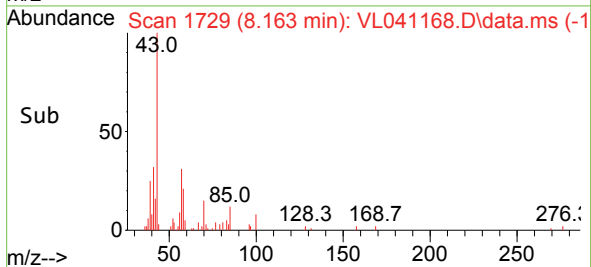
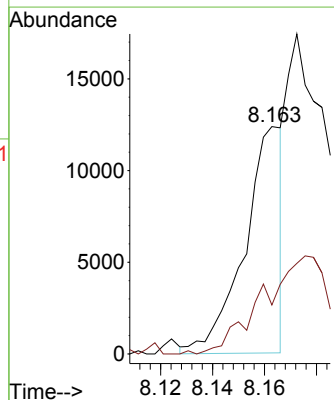
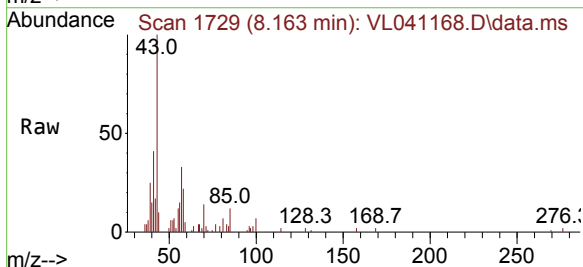
Instrument :
MSVOA_L
ClientSampleId :
SV2

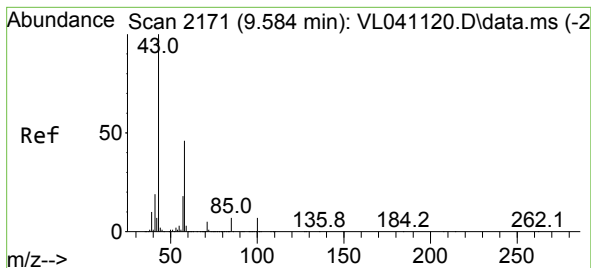
Tgt Ion: 57 Resp: 125579
Ion Ratio Lower Upper
57 100
41 72.2 28.2 42.2#
56 58.0 25.2 37.8#



#50
4-Methyl-2-Pentanone
Concen: 0.055 ppbv
RT: 8.163 min Scan# 1729
Delta R.T. 0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 43 Resp: 12487
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5#





#51

2-Hexanone

Concen: 1.095 ppbv

RT: 9.536 min Scan# 2171

Delta R.T. 0.010 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

SV2

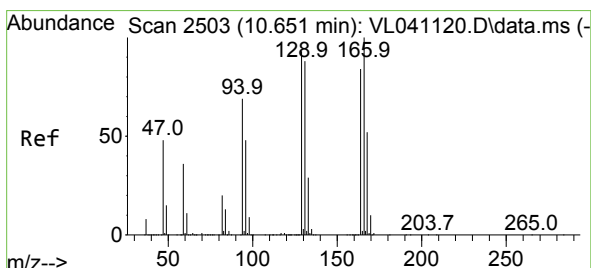
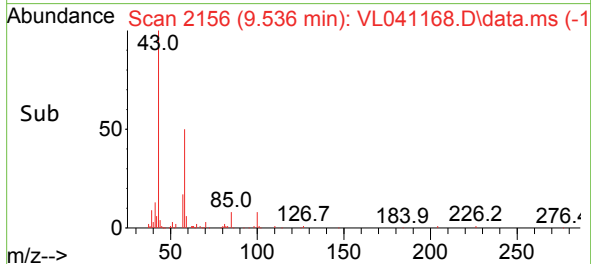
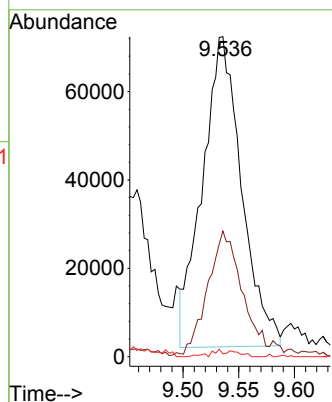
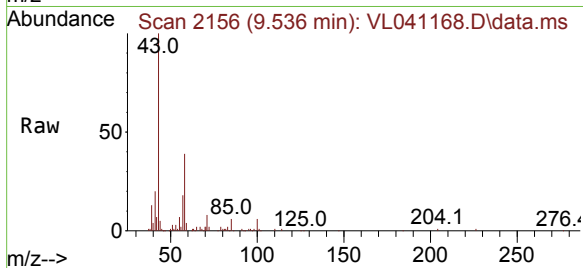
Tgt Ion: 43 Resp: 171459

Ion Ratio Lower Upper

43 100

58 38.9 37.3 55.9

98 1.4 0.3 0.5



#52

Tetrachloroethene

Concen: 7.804 ppbv

RT: 10.590 min Scan# 2484

Delta R.T. 0.000 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Tgt Ion: 164 Resp: 554590

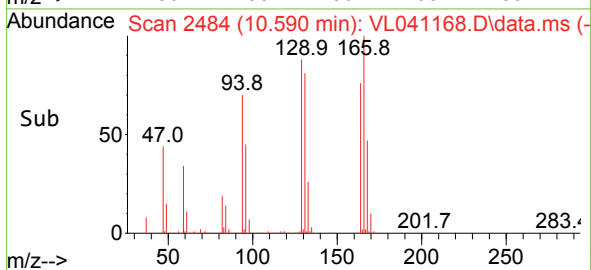
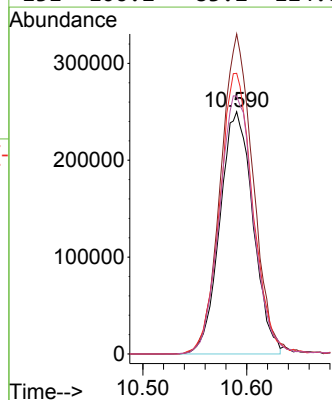
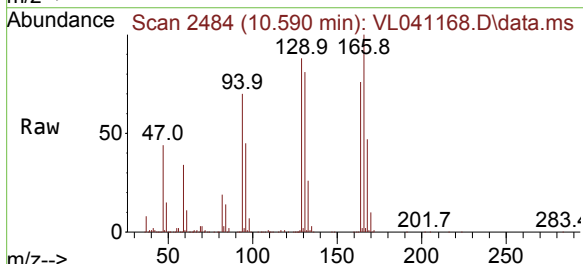
Ion Ratio Lower Upper

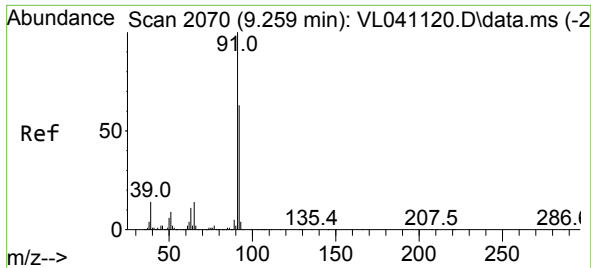
164 100

166 131.9 95.0 142.6

129 115.7 88.7 133.1

131 106.2 83.2 124.8

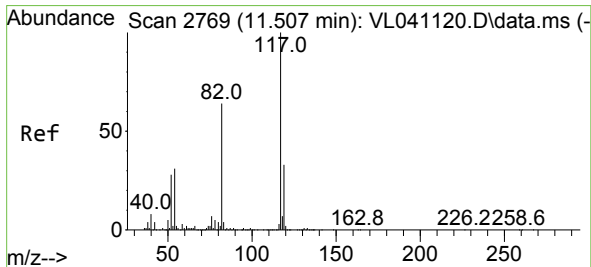
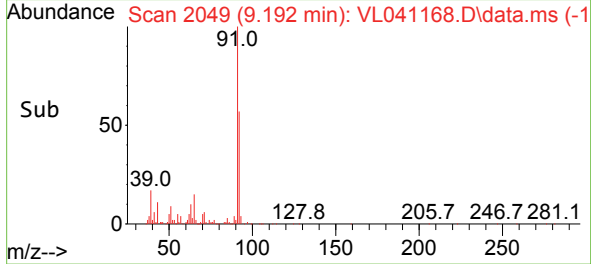
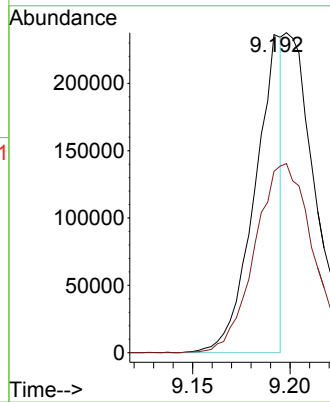
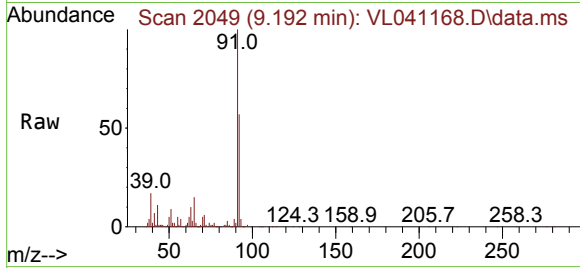




#53
Toluene
Concen: 0.979 ppbv
RT: 9.192 min Scan# 2070
Delta R.T. -0.006 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

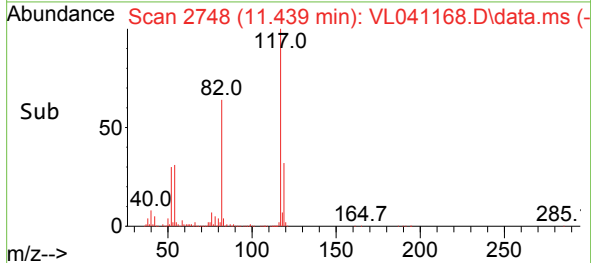
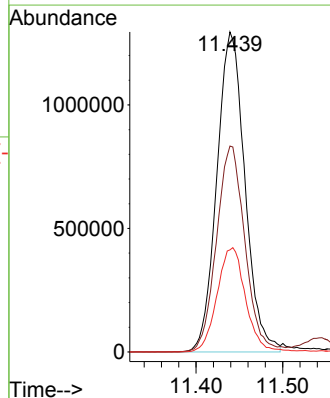
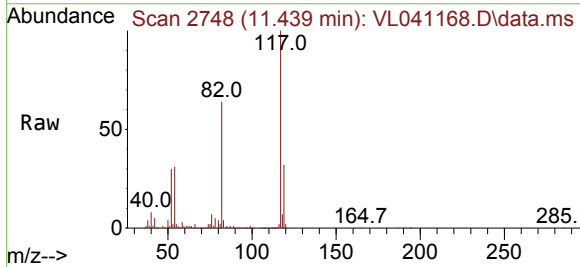
Instrument :
MSVOA_L
ClientSampleId :
SV2

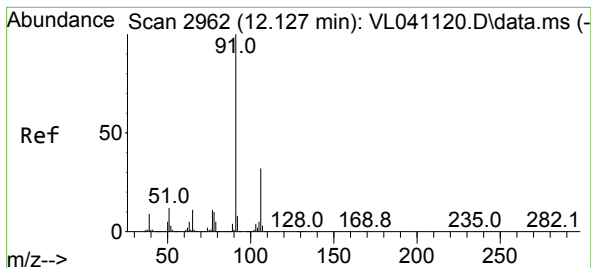
Tgt Ion: 91 Resp: 229582
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2748
Delta R.T. -0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 117 Resp: 2918328
Ion Ratio Lower Upper
117 100
82 65.6 51.0 76.6
119 33.5 25.2 37.8





#58

Ethyl Benzene

Concen: 0.959 ppbv

RT: 12.063 min Scan# 2962

Delta R.T. 0.000 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

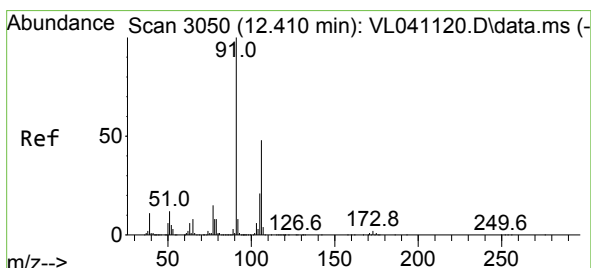
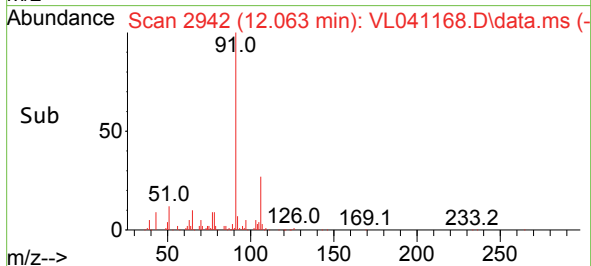
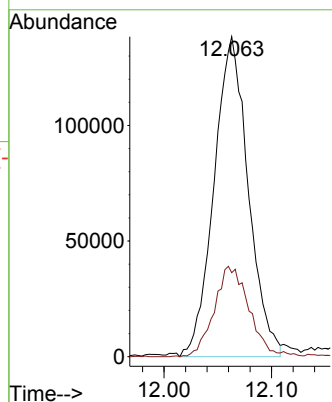
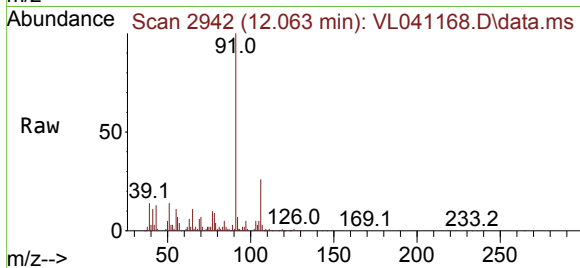
SV2

Tgt Ion: 91 Resp: 306280

Ion Ratio Lower Upper

91 100

106 26.3 25.6 38.4



#59

m/p-Xylene

Concen: 2.052 ppbv

RT: 12.314 min Scan# 3020

Delta R.T. -0.035 min

Lab File: VL041168.D

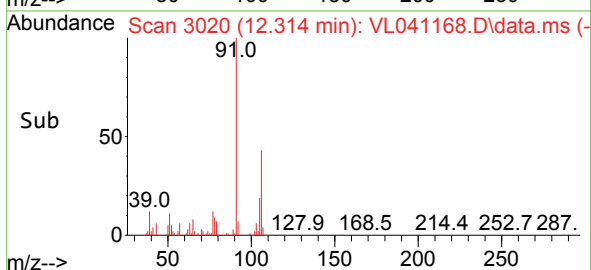
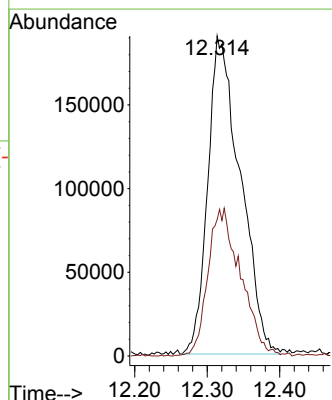
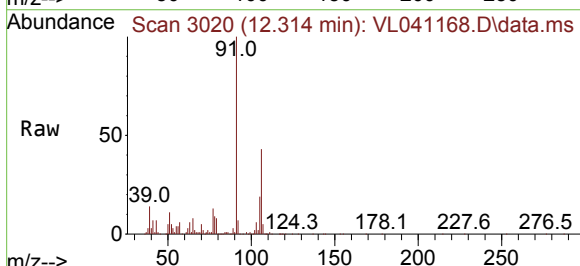
Acq: 25 Apr 2024 13:17

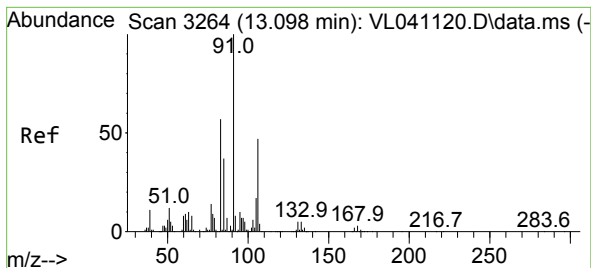
Tgt Ion: 91 Resp: 592162

Ion Ratio Lower Upper

91 100

106 47.0 35.4 53.2





#60

o-Xylene

Concen: 0.572 ppbv

RT: 13.034 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

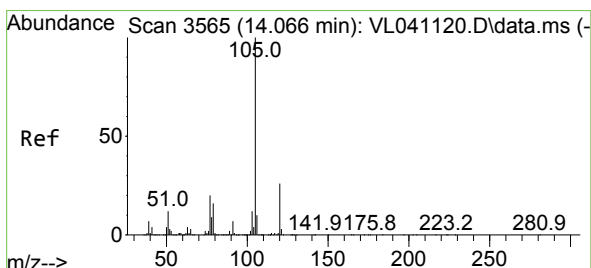
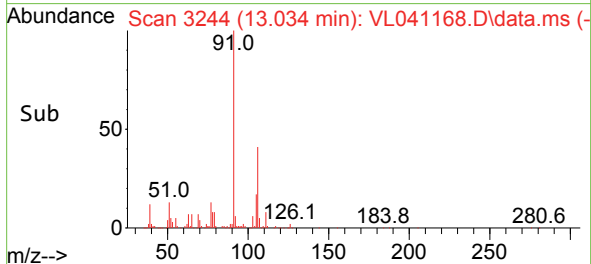
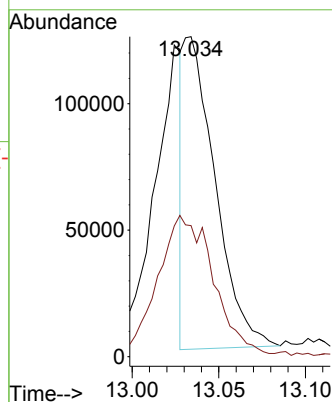
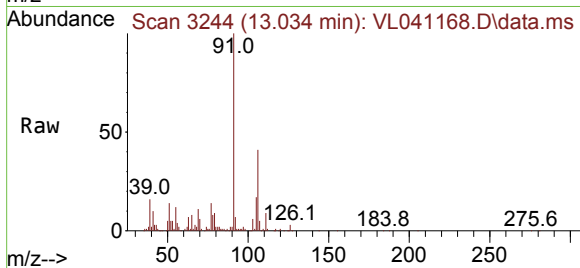
SV2

Tgt Ion: 91 Resp: 156274

Ion Ratio Lower Upper

91 100

106 0.0 22.9 68.5#



#62

Isopropylbenzene

Concen: 0.068 ppbv

RT: 14.002 min Scan# 3545

Delta R.T. -0.003 min

Lab File: VL041168.D

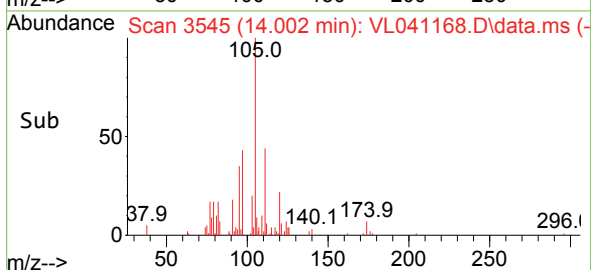
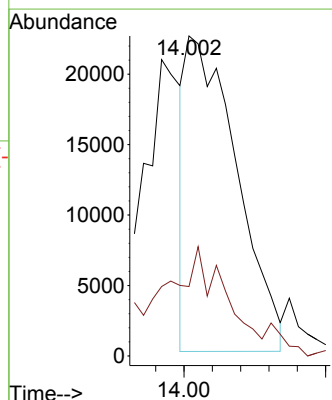
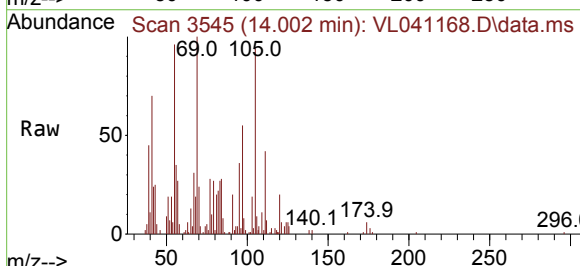
Acq: 25 Apr 2024 13:17

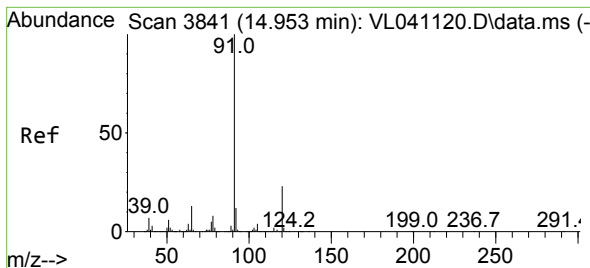
Tgt Ion: 105 Resp: 27769

Ion Ratio Lower Upper

105 100

120 51.0 21.0 31.4#





#64

n-propylbenzene

Concen: 0.167 ppbv

RT: 14.886 min Scan# 3841

Delta R.T. 0.000 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

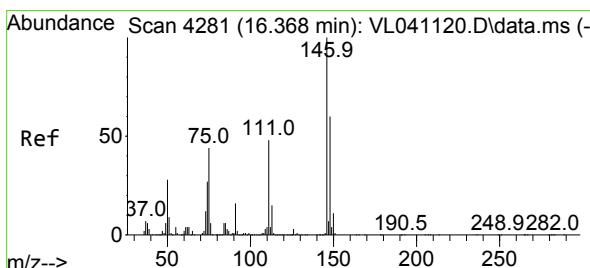
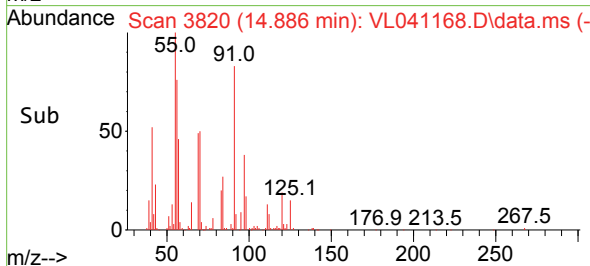
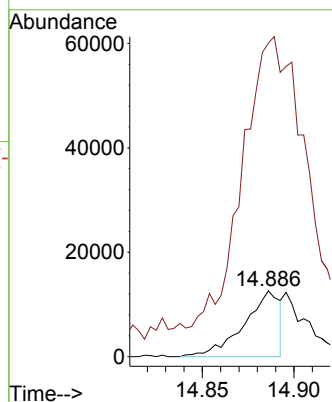
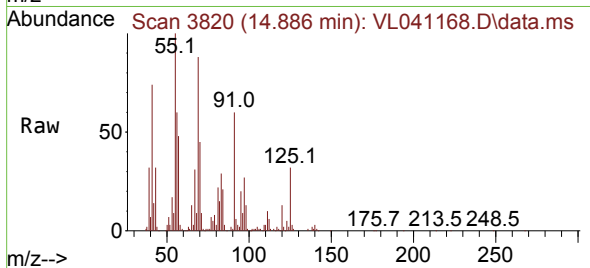
SV2

Tgt Ion:120 Resp: 17059

Ion Ratio Lower Upper

120 100

91 956.1 395.0 592.6#



#66

Benzyl Chloride

Concen: 0.055 ppbv

RT: 16.288 min Scan# 4256

Delta R.T. -0.009 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

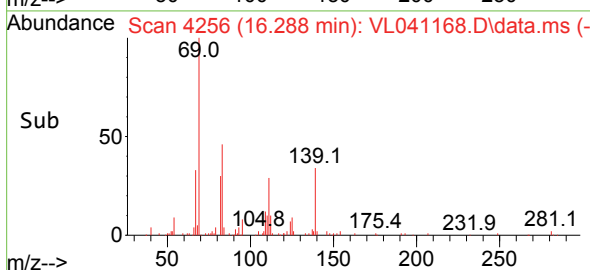
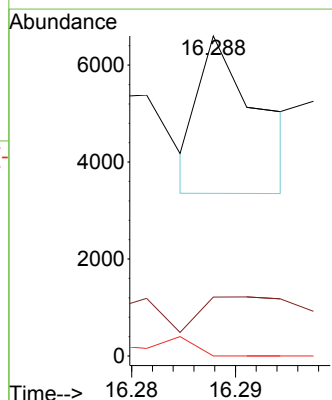
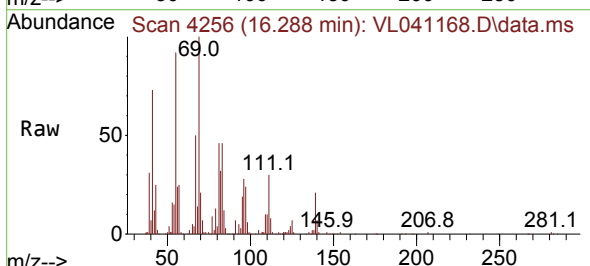
Tgt Ion: 91 Resp: 1295

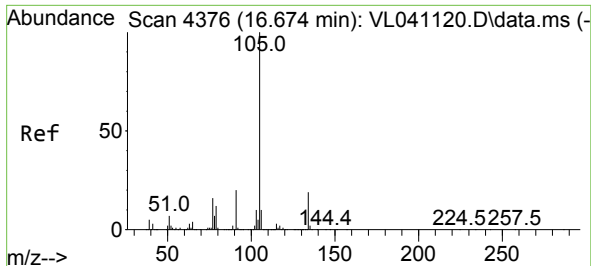
Ion Ratio Lower Upper

91 100

126 0.0 13.4 20.2#

128 0.0 4.3 6.5#

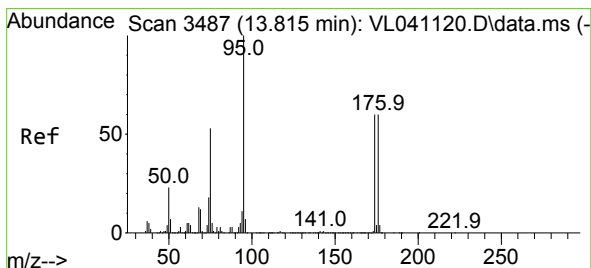
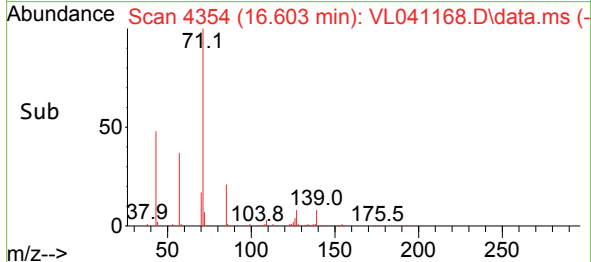
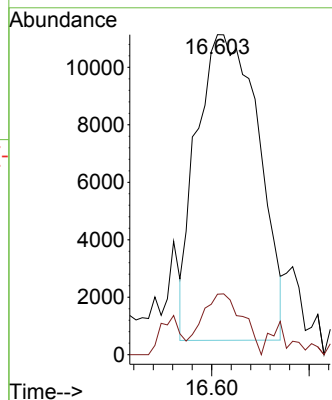
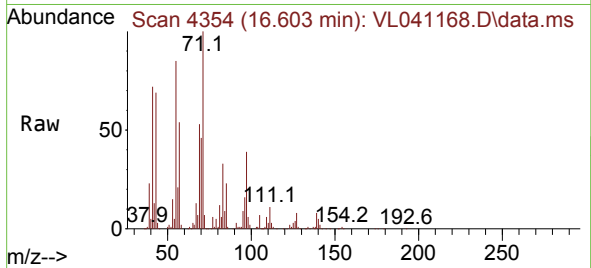




#67
 sec-Butylbenzene
 Concen: 0.046 ppbv
 RT: 16.603 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL041168.D
 Acq: 25 Apr 2024 13:17

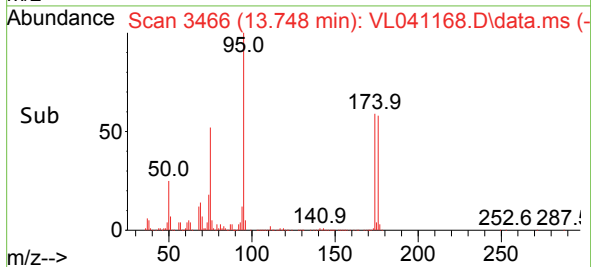
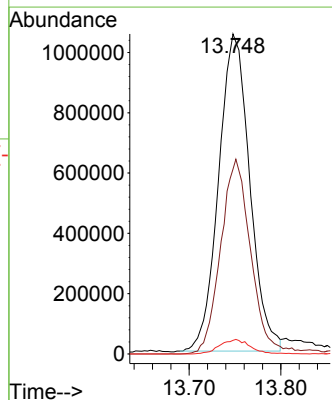
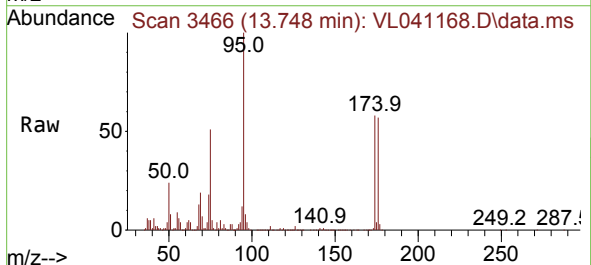
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

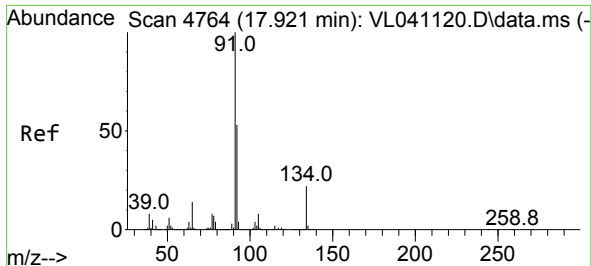
Tgt Ion:105 Resp: 23421
 Ion Ratio Lower Upper
 105 100
 134 17.1 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.580 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL041168.D
 Acq: 25 Apr 2024 13:17

Tgt Ion: 95 Resp: 2482875
 Ion Ratio Lower Upper
 95 100
 174 61.2 49.3 73.9
 175 4.5 3.6 5.4

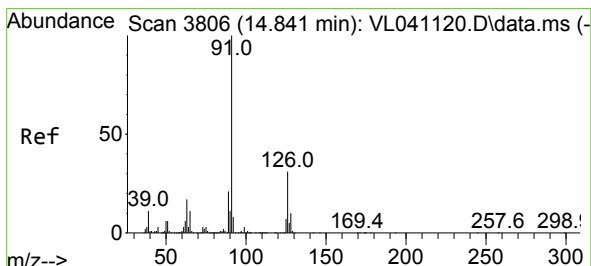
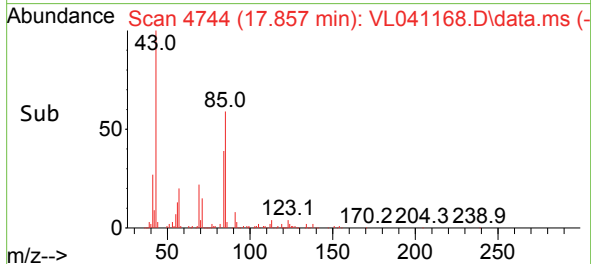
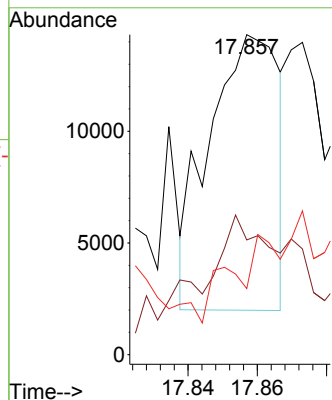
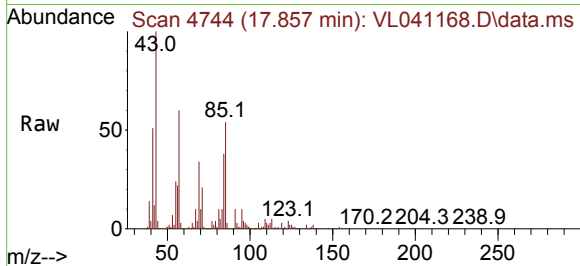




#70
n-Butylbenzene
Concen: 0.039 ppbv
RT: 17.857 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

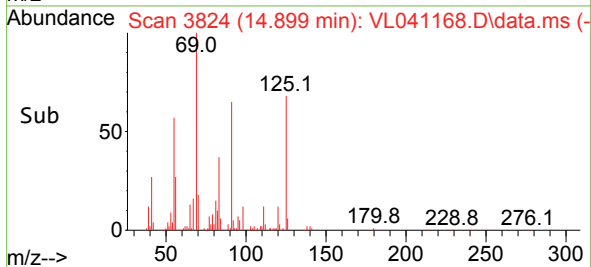
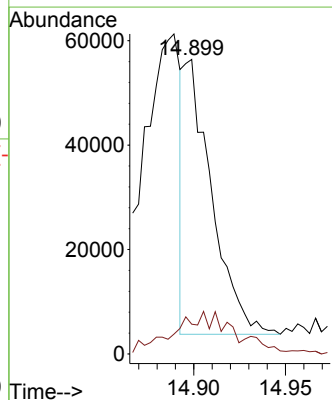
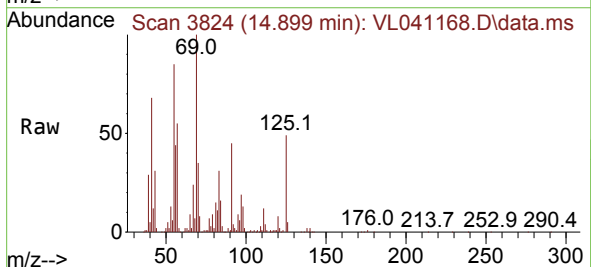
Instrument :
MSVOA_L
ClientSampleId :
SV2

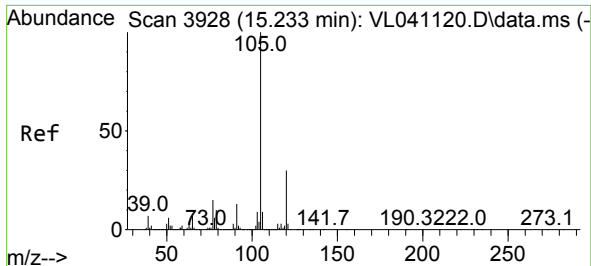
Tgt Ion: 91 Resp: 17139
Ion Ratio Lower Upper
91 100
92 87.0 43.4 65.0#
134 0.0 17.1 25.7#



#71
2-Chlorotoluene
Concen: 0.178 ppbv
RT: 14.899 min Scan# 3824
Delta R.T. 0.126 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion: 91 Resp: 55613
Ion Ratio Lower Upper
91 100
126 31.6 12.5 50.1

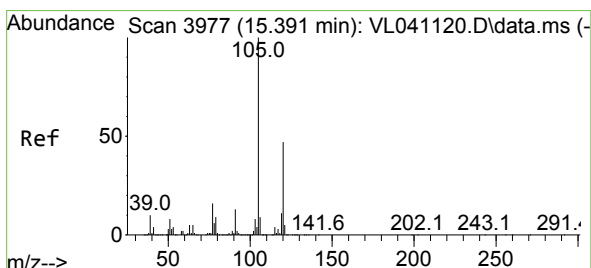
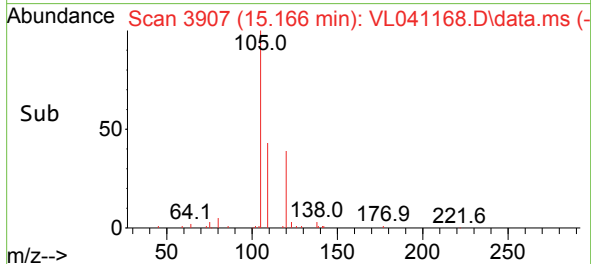
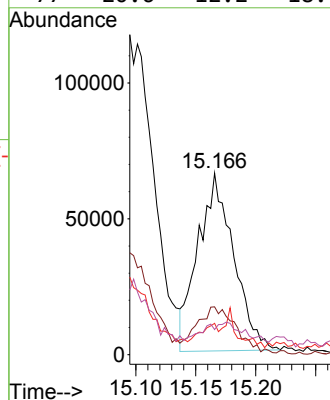
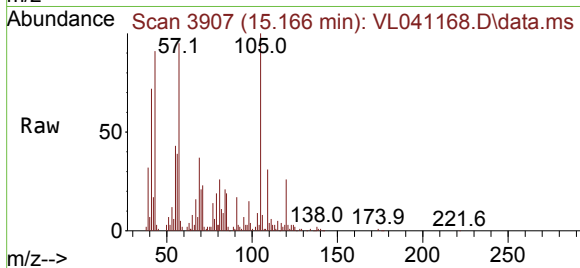




#72
4-Ethyltoluene
Concen: 0.442 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. 0.000 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

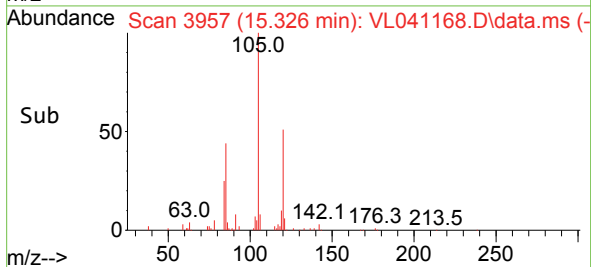
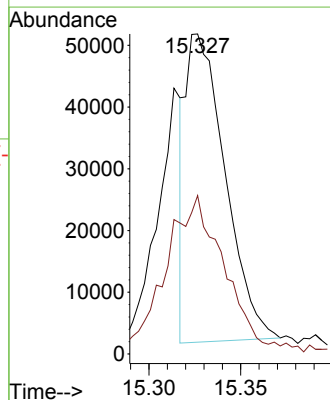
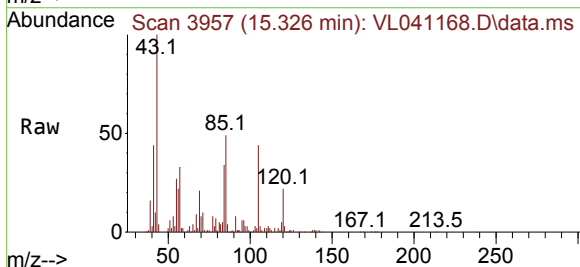
Instrument :
MSVOA_L
ClientSampleId :
SV2

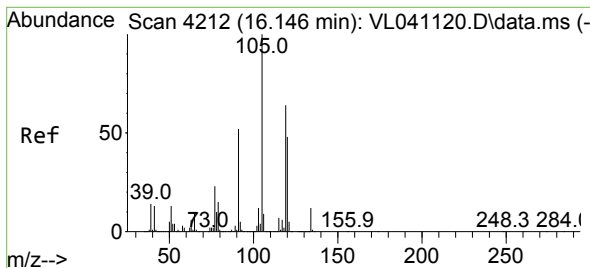
Tgt Ion:105 Resp: 135104
Ion Ratio Lower Upper
105 100
120 31.0 24.2 36.2
91 21.2 11.2 16.8#
77 20.6 12.2 18.4#



#73
1,3,5-Trimethylbenzene
Concen: 0.276 ppbv
RT: 15.326 min Scan# 3957
Delta R.T. 0.000 min
Lab File: VL041168.D
Acq: 25 Apr 2024 13:17

Tgt Ion:105 Resp: 74412
Ion Ratio Lower Upper
105 100
120 49.4 37.8 56.8





#74

1,2,4-Trimethylbenzene

Concen: 0.709 ppbv

RT: 16.076 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:105 Resp: 218411

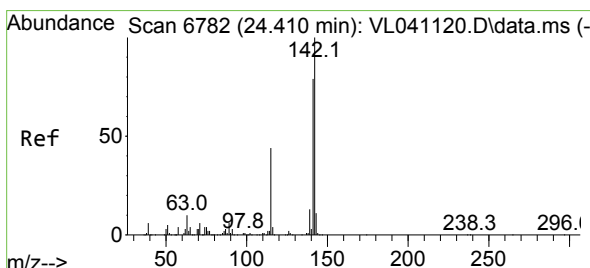
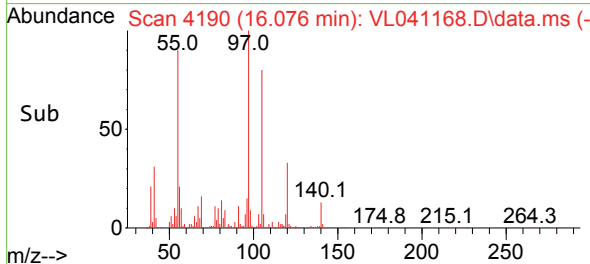
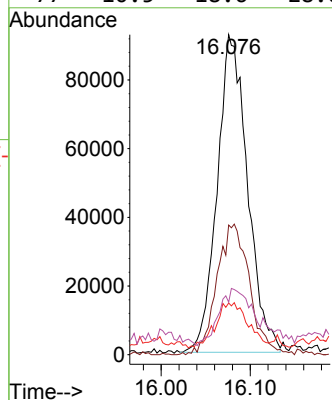
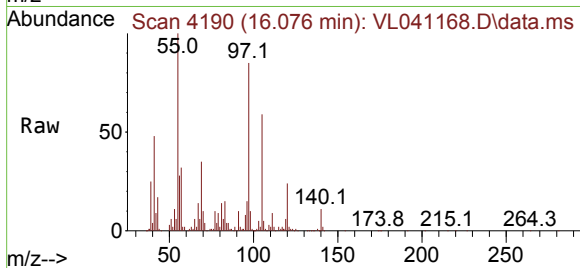
Ion Ratio Lower Upper

105 100

120 40.7 38.9 58.3

91 12.2 43.0 64.6#

77 10.5 18.6 28.0#



#80

Naphthalene,2-methyl-

Concen: 0.047 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.007 min

Lab File: VL041168.D

Acq: 25 Apr 2024 13:17

Tgt Ion:142 Resp: 1808

Ion Ratio Lower Upper

142 100

141 50.7 64.4 96.6#

115 57.0 33.5 50.3#

