

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040502.D
 Acq On : 23 Jun 2023 10:51
 Operator : SY/MD
 Sample : 03397-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Quant Time: Jun 26 02:15:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1057801	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2699509	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2327757	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1851337	9.636	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	82516	0.358	ppbv	92
3) Chlorodifluoromethane	2.674	51	41130	0.237	ppbv #	85
4) Chloromethane	2.809	50	17620	0.263	ppbv	97
9) Propene	2.690	41	56543	1.058	ppbv	97
10) Heptane	7.574	43	138000	1.141	ppbv	98
11) Trichlorofluoromethane	3.562	101	1007788	5.376	ppbv	97
13) Ethanol	3.230	45	425432	38.453	ppbv	97
15) Acetone	3.465	43	2657915	20.832	ppbv	95
16) 1,3-Butadiene	2.963	39	127935	2.060	ppbv #	17
17) tert-Butyl alcohol	3.880	59	16776	0.160	ppbv #	71
19) Isopropyl Alcohol	3.571	45	21481	0.349	ppbv #	90
20) Methylene Chloride	3.931	84	533503	9.797	ppbv	97
21) Allyl Chloride	3.954	41	85599	1.188	ppbv #	59
23) Vinyl Acetate	4.610	43	47028	0.377	ppbv #	1
25) Ethyl Acetate	5.208	43	514607	2.226	ppbv #	78
26) Hexane	5.208	57	750332	6.854	ppbv #	43
27) Carbon Disulfide	4.121	76	384687	2.810	ppbv	96
29) Chloroform	5.269	83	32016	0.172	ppbv	98
30) Cyclohexane	6.603	84	71985	0.816	ppbv	96
32) 1,1,1-Trichloroethane	5.999	97	246246	1.338	ppbv	98
34) 2-Butanone	4.787	43	190914	1.467	ppbv	98
36) Benzene	6.368	78	394709	1.838	ppbv #	93
39) 1,2-Dichloropropane	6.648	63	652423	7.882	ppbv #	22
41) Tetrahydrofuran	5.565	42	3606	0.051	ppbv #	72
42) Bromodichloromethane	7.246	83	8516	0.044	ppbv #	24
44) 2,2,4-Trimethylpentane	7.323	57	274489	0.782	ppbv #	86
51) 2-Hexanone	9.542	43	19709	0.163	ppbv #	31
52) Tetrachloroethene	10.609	164	75737	1.123	ppbv	93
53) Toluene	9.214	91	1671769	7.392	ppbv	99
58) Ethyl Benzene	12.079	91	635861	2.255	ppbv	97
59) m/p-Xylene	12.339	91	2090335	8.065	ppbv	95
60) o-Xylene	13.053	91	756892	3.079	ppbv	99
61) Styrene	12.889	104	15045	0.142	ppbv #	27
62) Isopropylbenzene	14.024	105	81737	0.224	ppbv #	62
64) n-propylbenzene	14.912	120	18990	0.205	ppbv #	1
65) tert-Butylbenzene	16.101	119	40523	0.129	ppbv #	16
66) Benzyl Chloride	16.201	91	944	0.039	ppbv #	1
70) n-Butylbenzene	17.876	91	12492	0.031	ppbv #	9
71) 2-Chlorotoluene	14.670	91	102308	0.377	ppbv #	46
72) 4-Ethyltoluene	15.191	105	206514	0.746	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	135588	0.554	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	624587	2.169	ppbv #	68
79) Naphthalene	21.365	128	8187	0.049	ppbv #	93

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

Instrument :
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ClientSampleId :
SV-2

Quant Time: Jun 26 02:15:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jun 06 06:22:12 2023
Response via : Initial Calibration

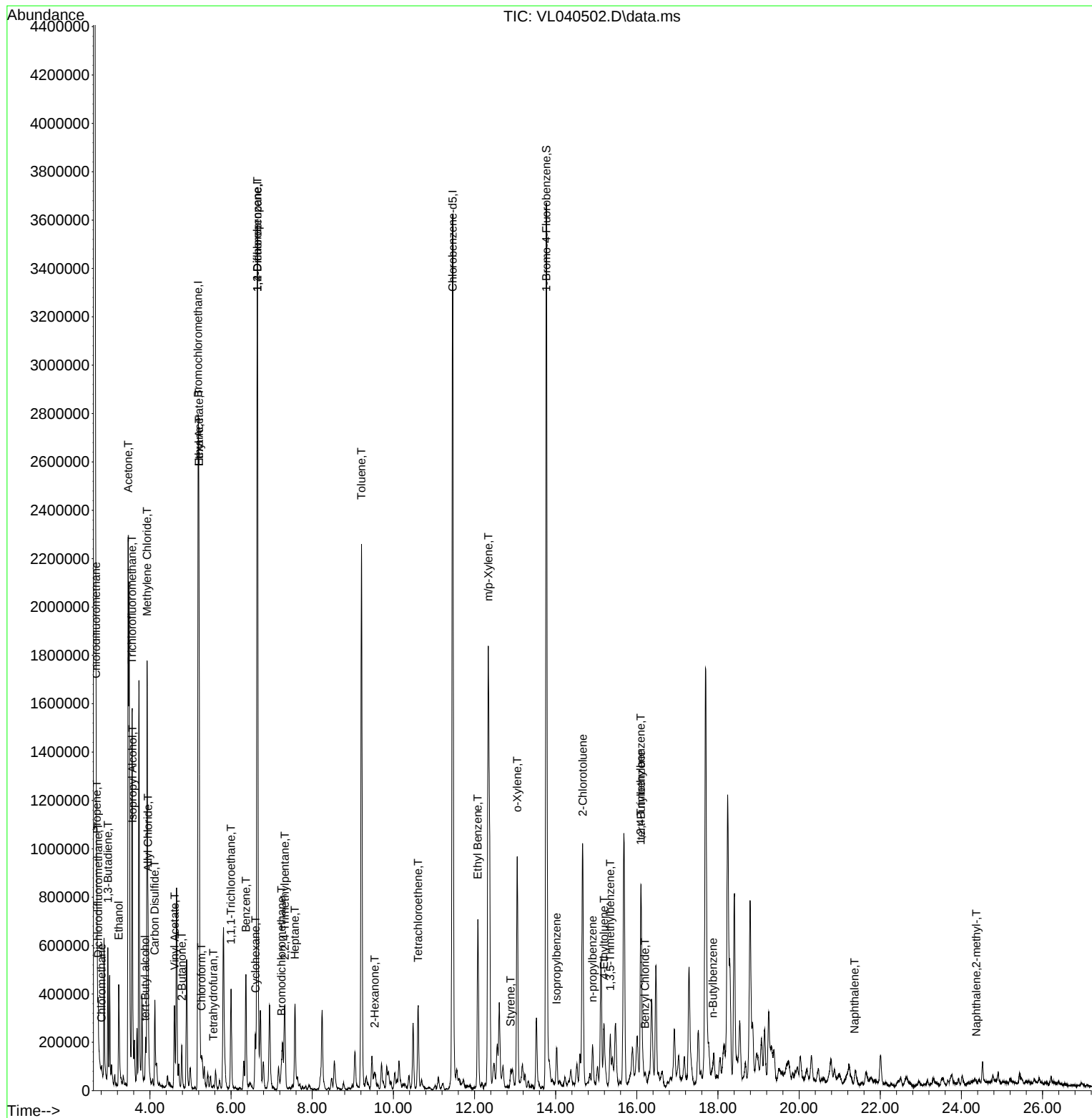
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.371	142	3233	0.065	ppbv	# 61

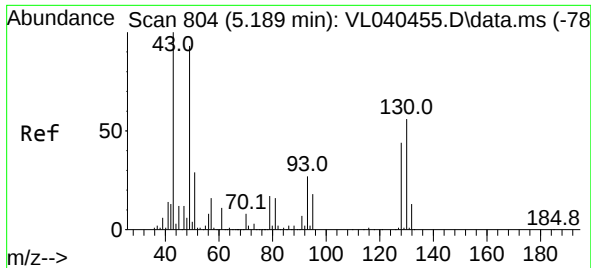
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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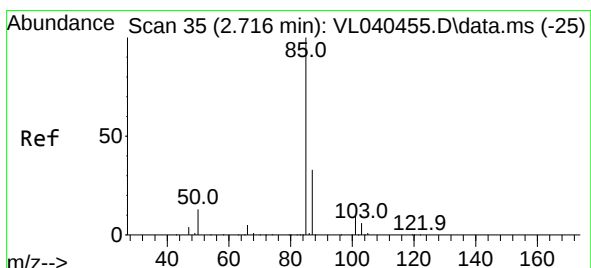
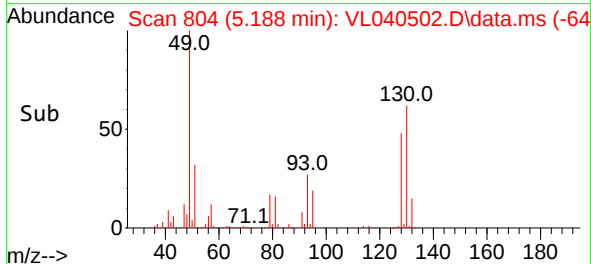
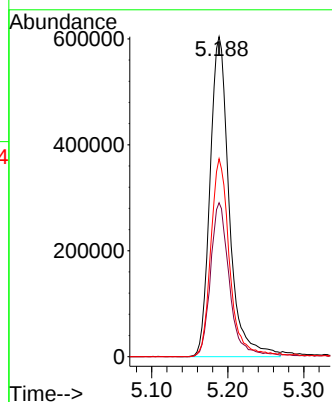
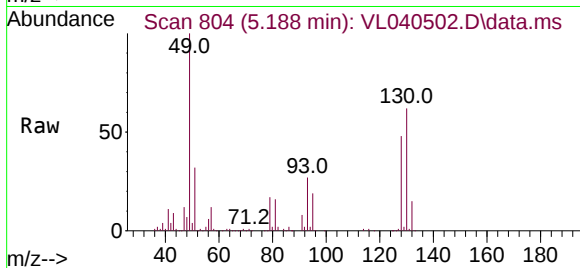




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.188 min Scan# 80
 Delta R.T. -0.001 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

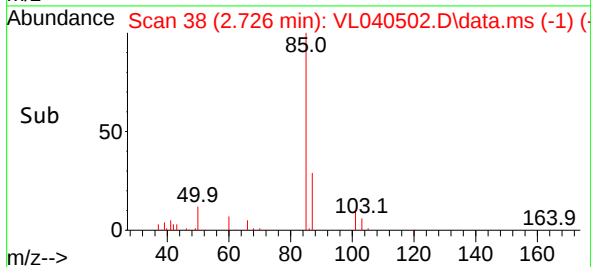
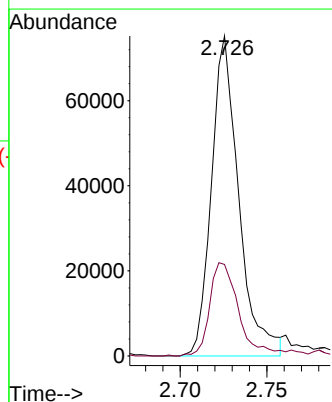
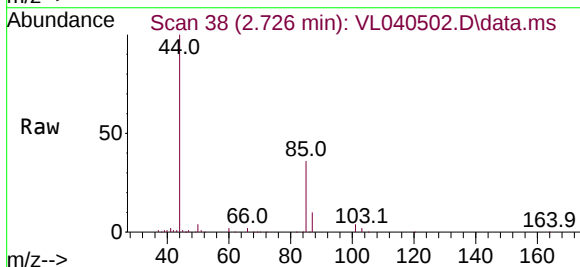
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

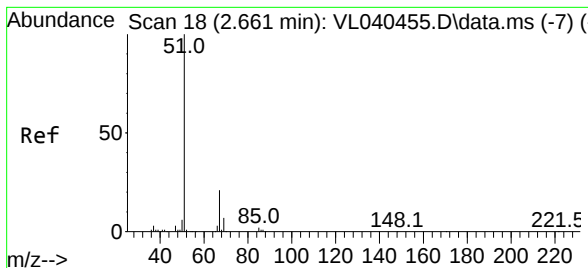
Tgt Ion: 49 Resp: 1057801
 Ion Ratio Lower Upper
 49 100
 128 47.9 24.7 74.1
 130 61.5 31.4 94.2



#2
 Dichlorodifluoromethane
 Concen: 0.358 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.010 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

Tgt Ion: 85 Resp: 82516
 Ion Ratio Lower Upper
 85 100
 87 28.6 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.237 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

Instrument :

MSVOA_L

ClientSampleId :

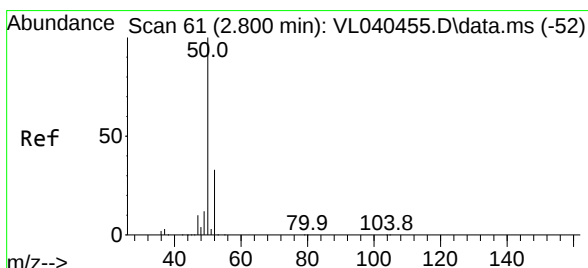
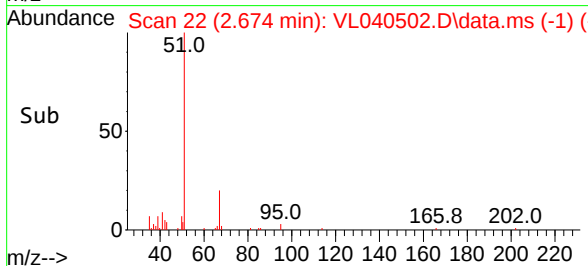
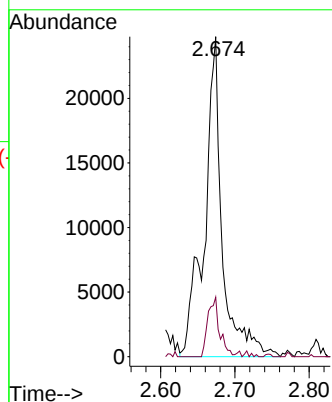
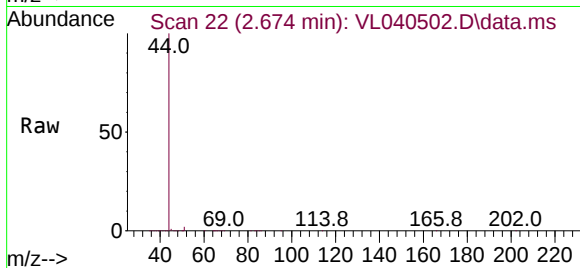
SV-2

Tgt Ion: 51 Resp: 41130

Ion Ratio Lower Upper

51 100

67 13.3 16.3 24.5#



#4

Chloromethane

Concen: 0.263 ppbv

RT: 2.809 min Scan# 64

Delta R.T. 0.010 min

Lab File: VL040502.D

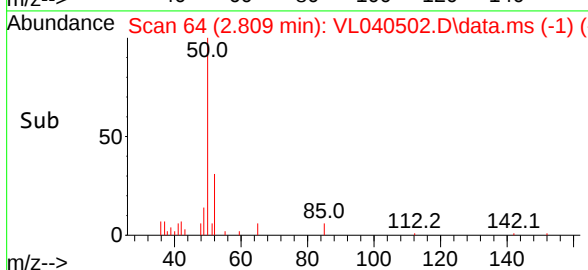
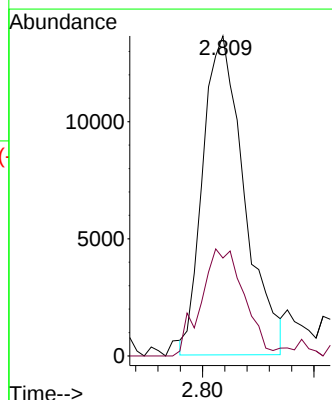
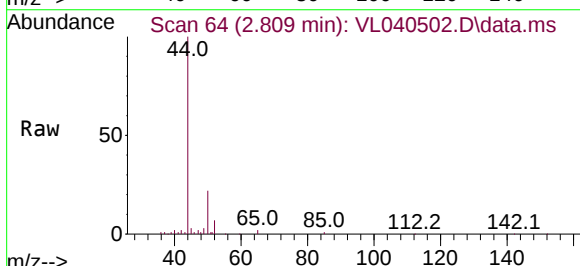
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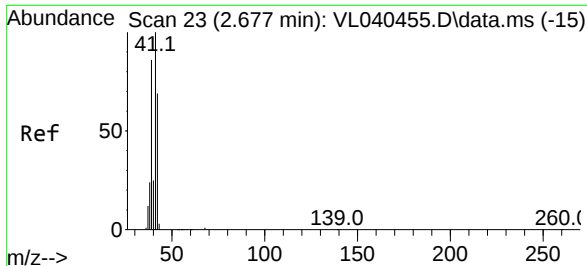
Tgt Ion: 50 Resp: 17620

Ion Ratio Lower Upper

50 100

52 31.0 26.3 39.5

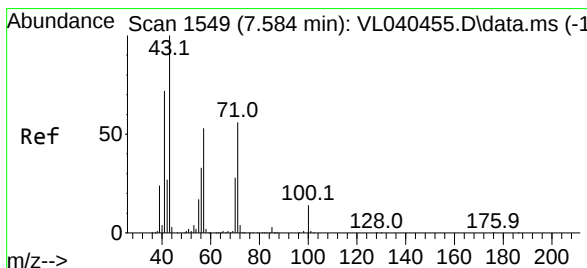
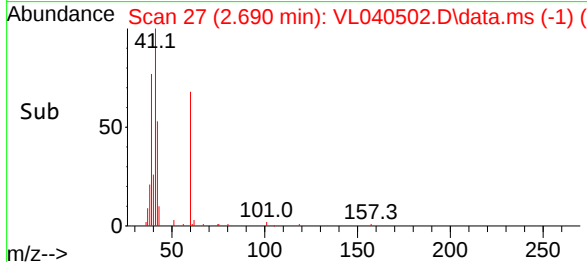
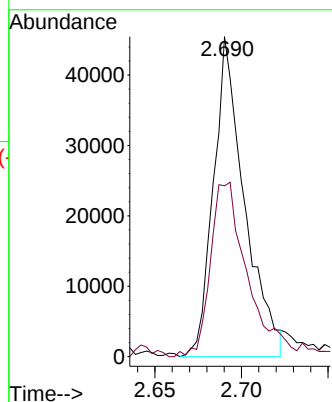
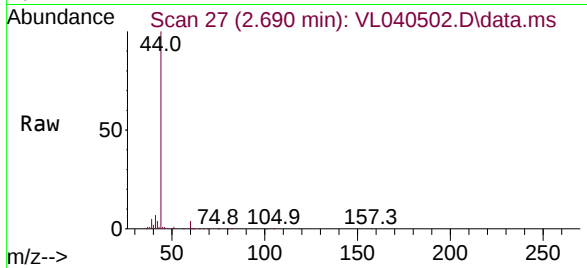




#9
 Propene
 Concen: 1.058 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

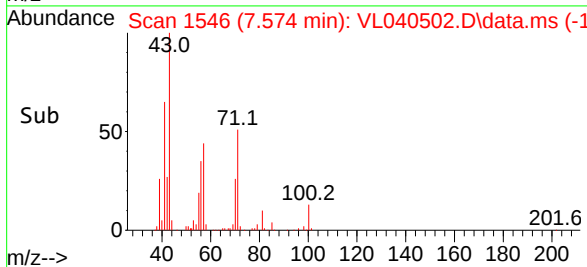
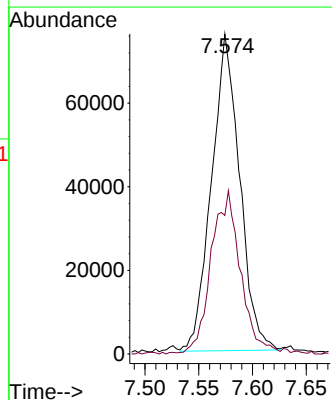
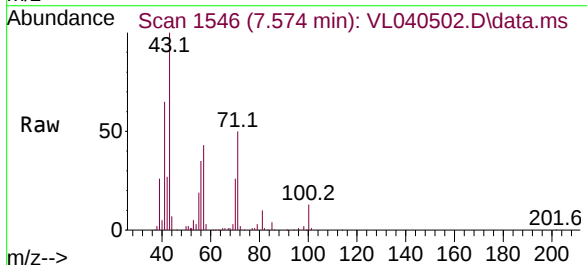
Instrument :
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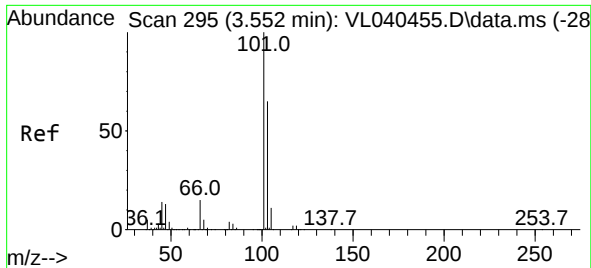
Tgt Ion: 41 Resp: 56543
 Ion Ratio Lower Upper
 41 100
 42 67.5 56.2 84.2



#10
 Heptane
 Concen: 1.141 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.010 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

Tgt Ion: 43 Resp: 138000
 Ion Ratio Lower Upper
 43 100
 57 54.7 42.5 63.7

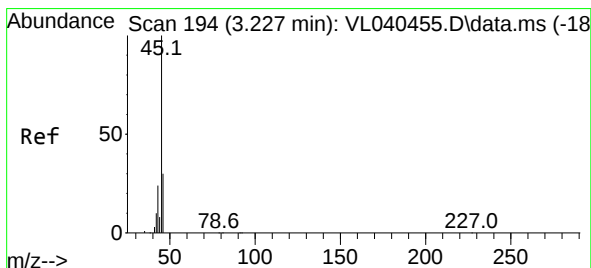
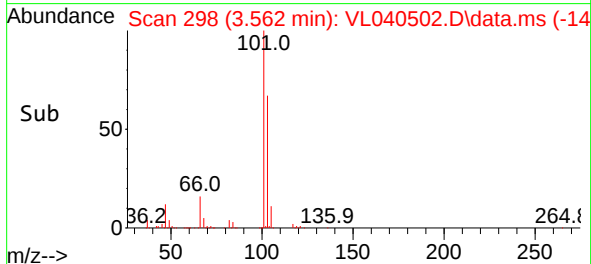
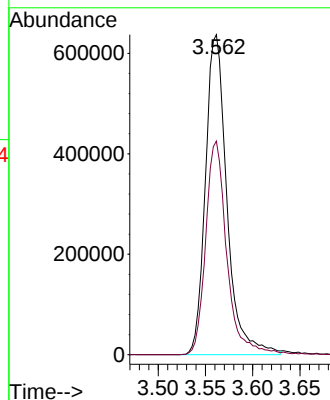
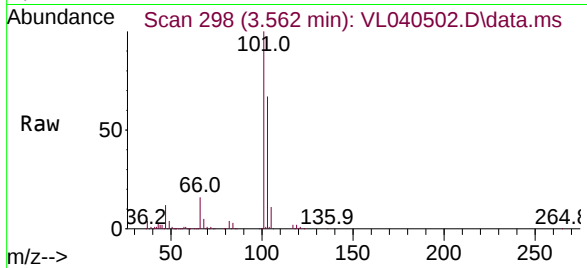




#11
 Trichlorofluoromethane
 Concen: 5.376 ppbv
 RT: 3.562 min Scan# 295
 Delta R.T. 0.010 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

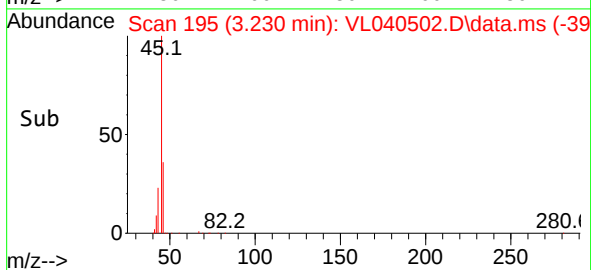
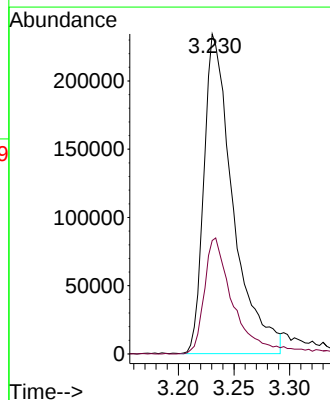
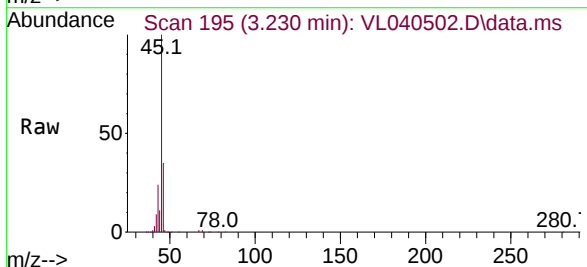
Instrument :
 MSVOA_L
 ClientSampleId :
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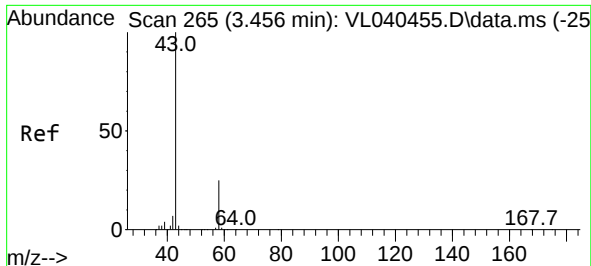
Tgt Ion:101 Resp: 1007788
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.7 77.5



#13
 Ethanol
 Concen: 38.453 ppbv
 RT: 3.230 min Scan# 195
 Delta R.T. 0.003 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

Tgt Ion: 45 Resp: 425432
 Ion Ratio Lower Upper
 45 100
 46 38.1 14.5 58.1

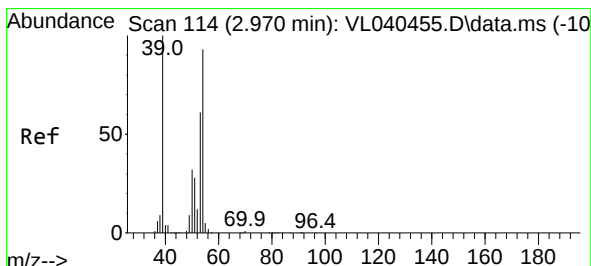
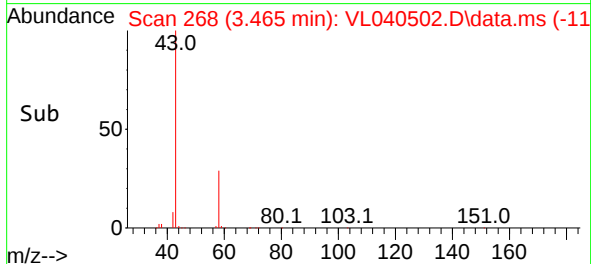
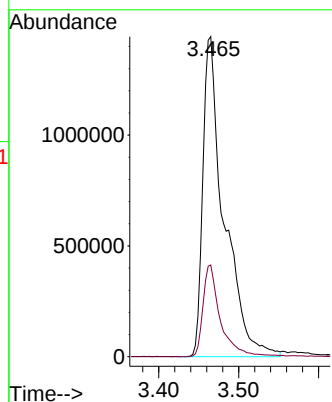
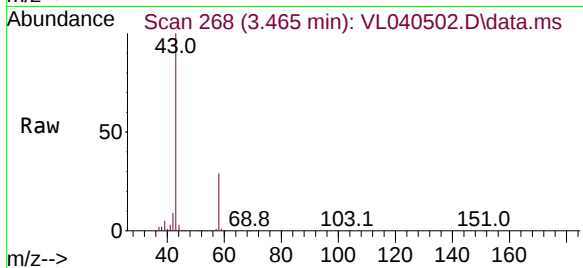




#15
Acetone
Concen: 20.832 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

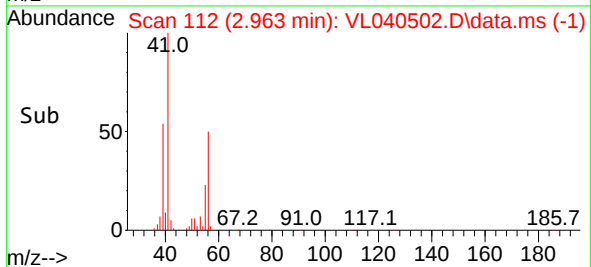
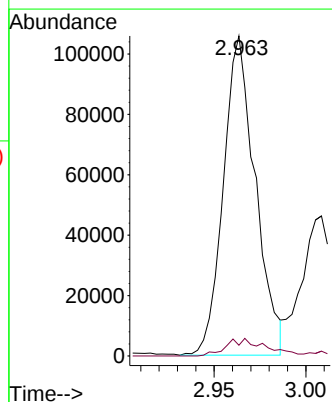
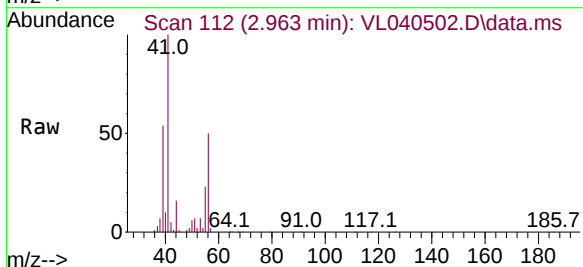
Instrument :
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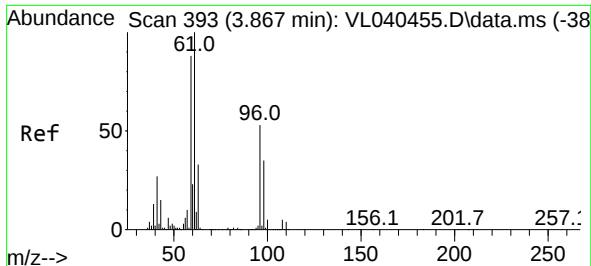
Tgt Ion: 43 Resp: 2657915
Ion Ratio Lower Upper
43 100
58 24.2 21.6 32.4



#16
1,3-Butadiene
Concen: 2.060 ppbv
RT: 2.963 min Scan# 112
Delta R.T. -0.007 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 39 Resp: 127935
Ion Ratio Lower Upper
39 100
54 8.2 66.9 100.3#

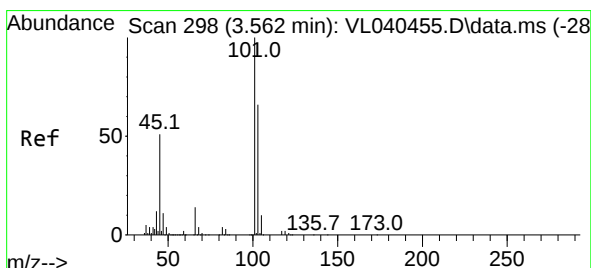
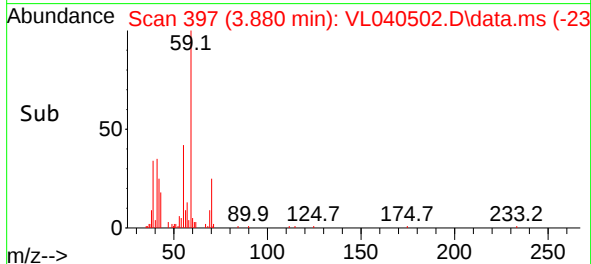
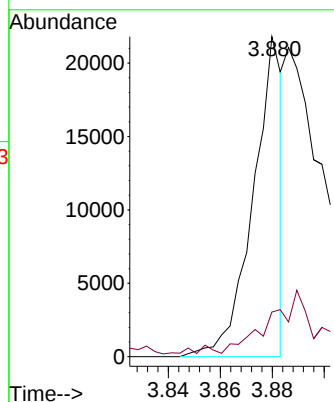
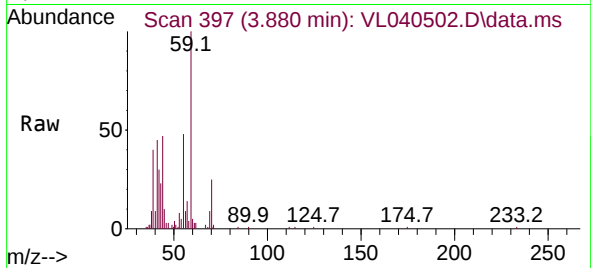




#17
tert-Butyl alcohol
Concen: 0.160 ppbv
RT: 3.880 min Scan# 301
Delta R.T. 0.013 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

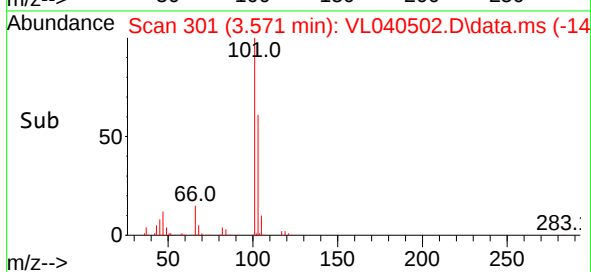
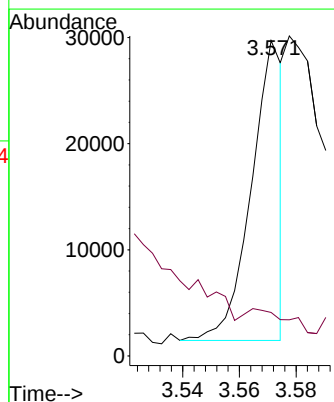
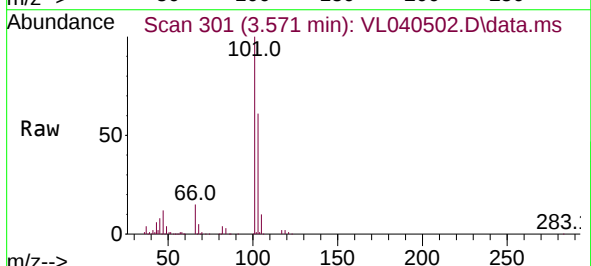
Instrument :
MSVOA_L
ClientSampleId :
SV-2

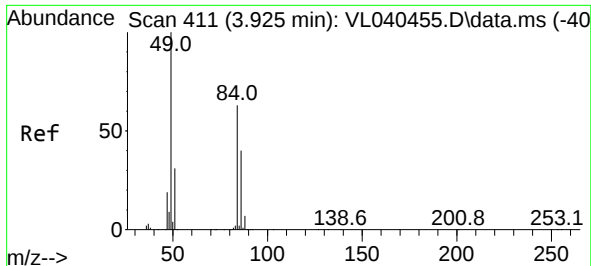
Tgt Ion: 59 Resp: 16776
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#19
Isopropyl Alcohol
Concen: 0.349 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 45 Resp: 21481
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0#

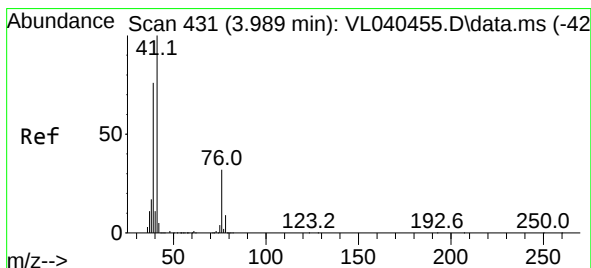
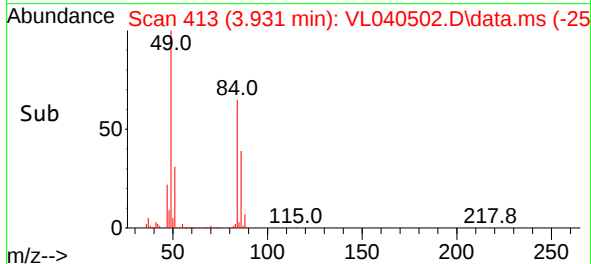
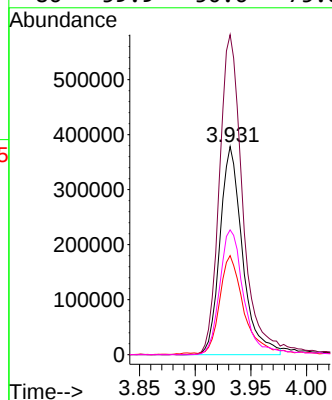
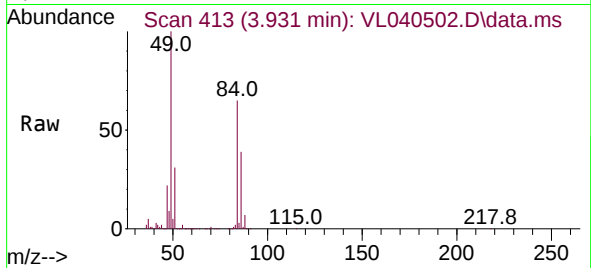




#20
Methylene Chloride
Concen: 9.797 ppbv
RT: 3.931 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

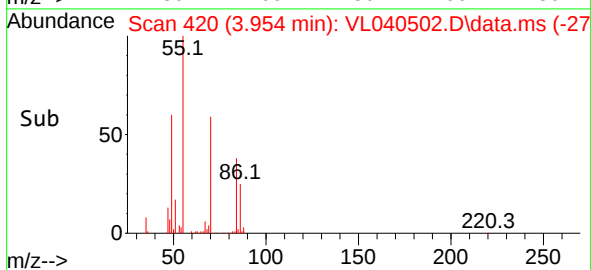
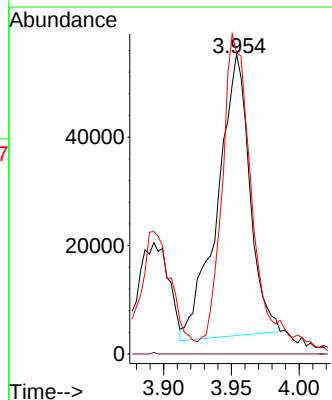
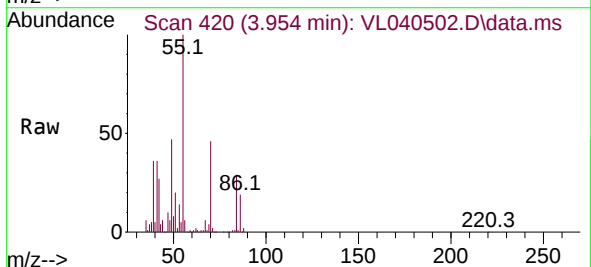
Instrument :
MSVOA_L
ClientSampleId :
SV-2

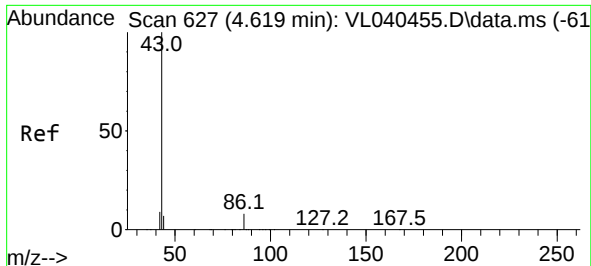
Tgt Ion: 84 Resp: 533503
Ion Ratio Lower Upper
84 100
49 153.7 126.2 189.2
51 47.2 38.7 58.1
86 59.9 50.6 75.8



#21
Allyl Chloride
Concen: 1.188 ppbv
RT: 3.954 min Scan# 420
Delta R.T. -0.035 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 41 Resp: 85599
Ion Ratio Lower Upper
41 100
76 0.0 26.1 39.1#
39 109.9 63.9 95.9#

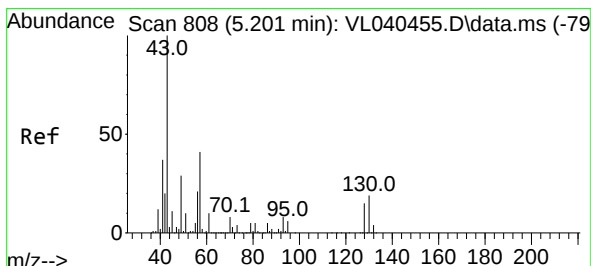
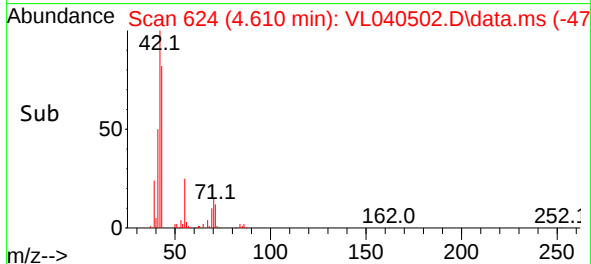
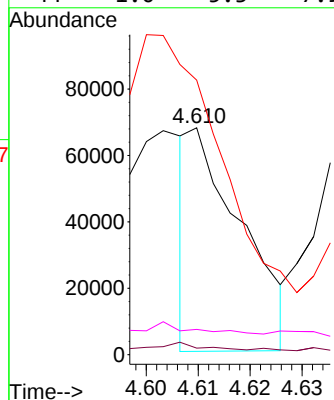
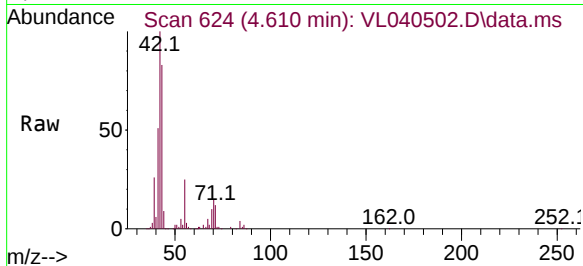




#23
 Vinyl Acetate
 Concen: 0.377 ppbv
 RT: 4.610 min Scan# 61
 Delta R.T. -0.010 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

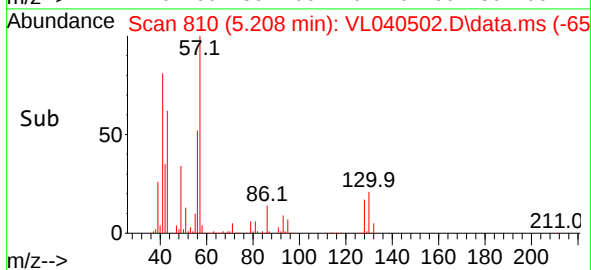
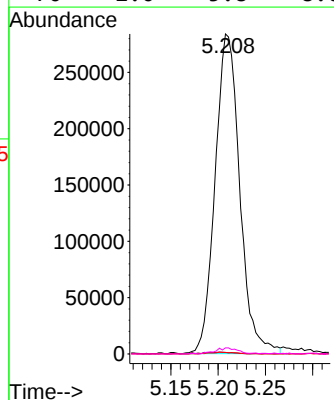
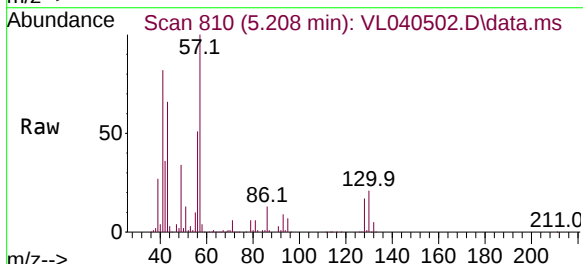
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

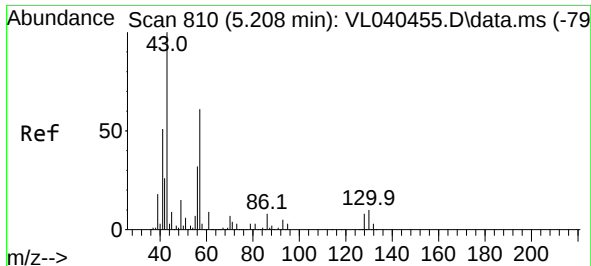
Tgt Ion:	43	Resp:	47028
Ion	Ratio	Lower	Upper
43	100		
86	1.1	5.8	8.6#
42	121.7	7.4	11.2#
44	1.0	5.3	7.9#



#25
 Ethyl Acetate
 Concen: 2.226 ppbv
 RT: 5.208 min Scan# 810
 Delta R.T. 0.006 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

Tgt Ion:	43	Resp:	514607
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.0	12.0#
61	0.5	8.1	12.1#
70	2.0	5.8	8.6#

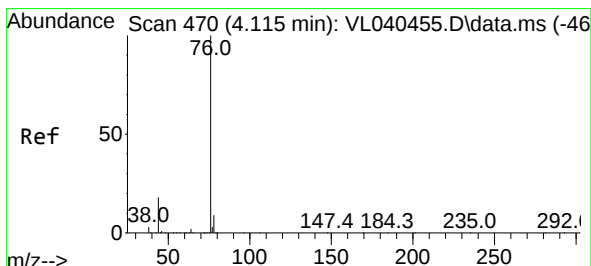
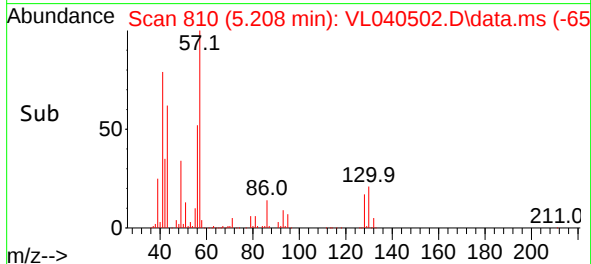
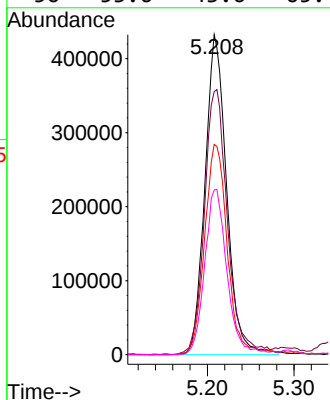
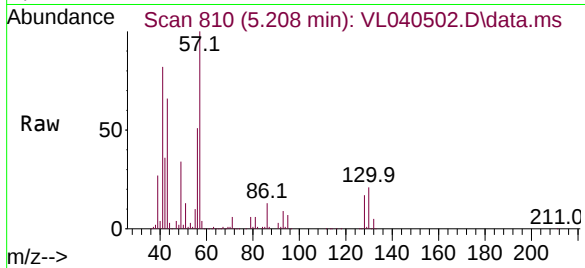




#26
Hexane
Concen: 6.854 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

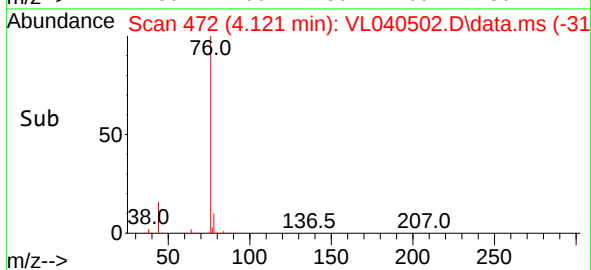
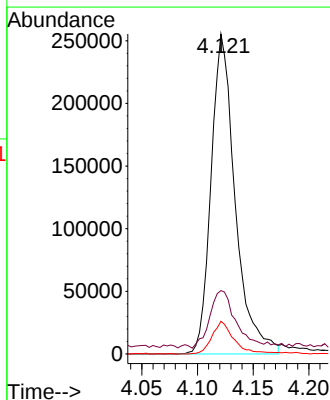
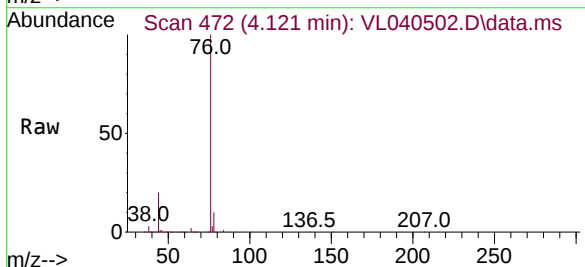
Instrument :
MSVOA_L
ClientSampleId :
SV-2

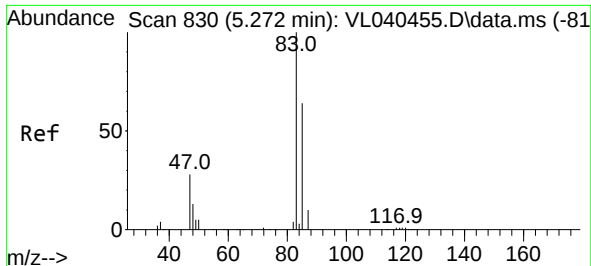
Tgt Ion: 57 Resp: 750332
Ion Ratio Lower Upper
57 100
41 88.9 73.0 109.6
43 70.5 177.5 266.3#
56 53.6 43.6 65.4



#27
Carbon Disulfide
Concen: 2.810 ppbv
RT: 4.121 min Scan# 472
Delta R.T. 0.006 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 76 Resp: 384687
Ion Ratio Lower Upper
76 100
44 21.1 14.6 22.0
78 9.8 7.6 11.4

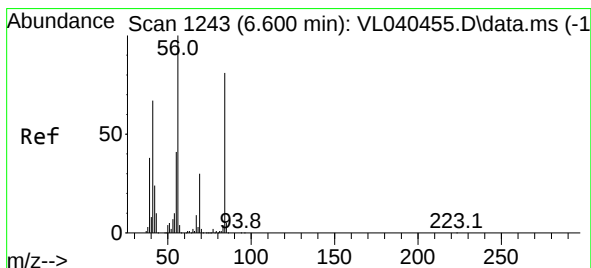
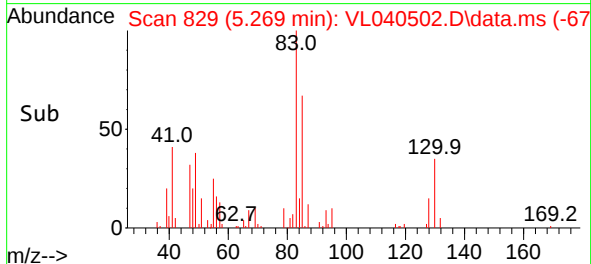
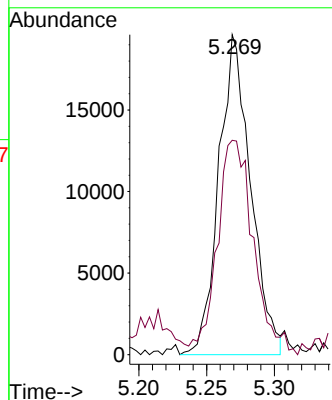
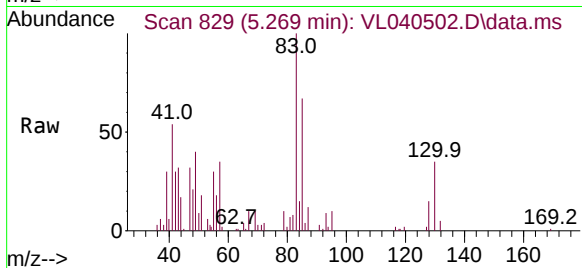




#29
Chloroform
Concen: 0.172 ppbv
RT: 5.269 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

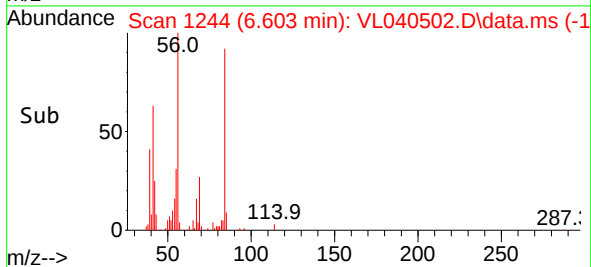
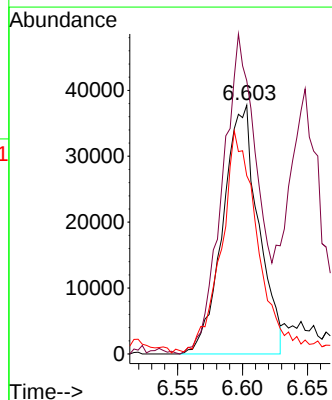
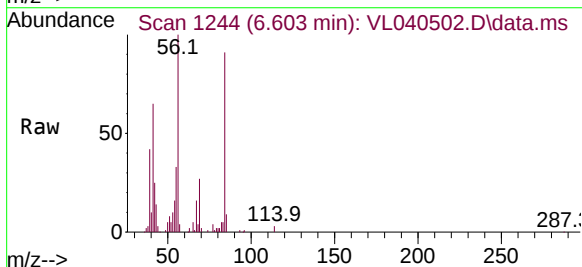
Instrument :
MSVOA_L
ClientSampleId :
SV-2

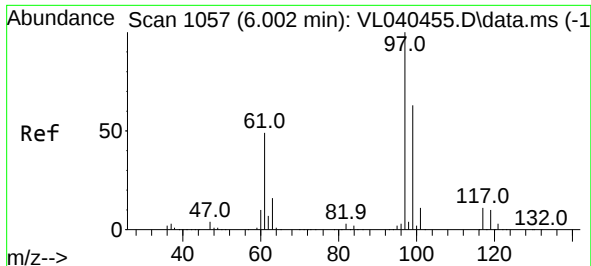
Tgt Ion: 83 Resp: 32016
Ion Ratio Lower Upper
83 100
85 62.7 51.1 76.7



#30
Cyclohexane
Concen: 0.816 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 84 Resp: 71985
Ion Ratio Lower Upper
84 100
56 134.8 106.0 159.0
41 89.7 66.8 100.2

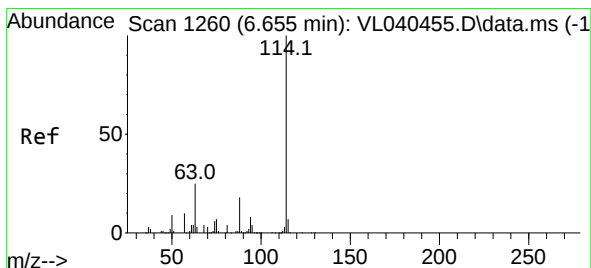
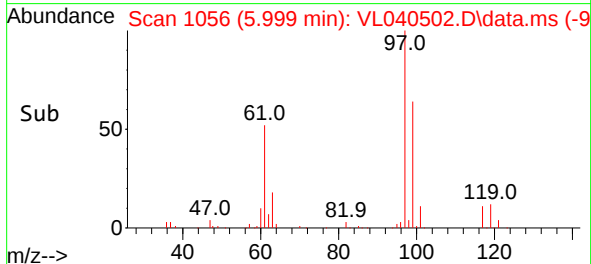
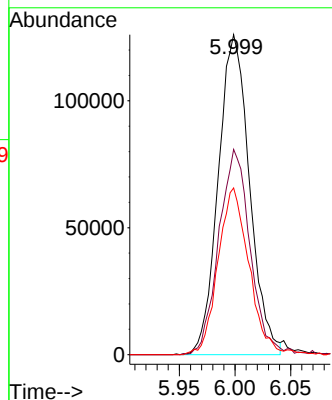
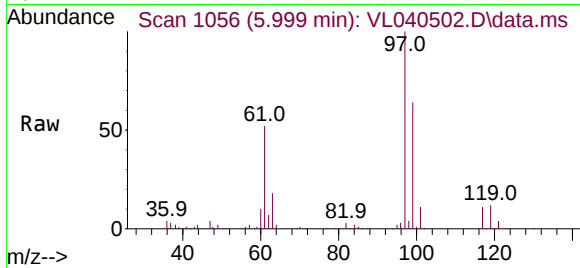




#32
 1,1,1-Trichloroethane
 Concen: 1.338 ppbv
 RT: 5.999 min Scan# 1057
 Delta R.T. -0.003 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

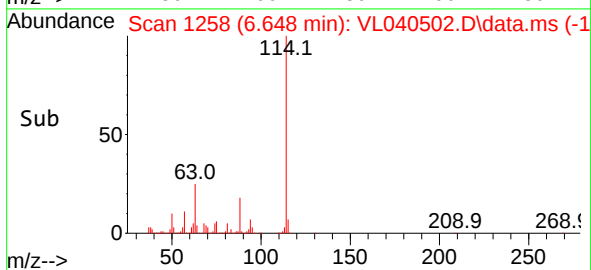
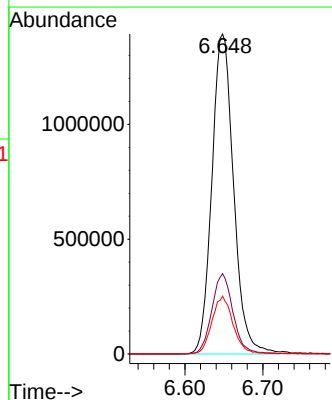
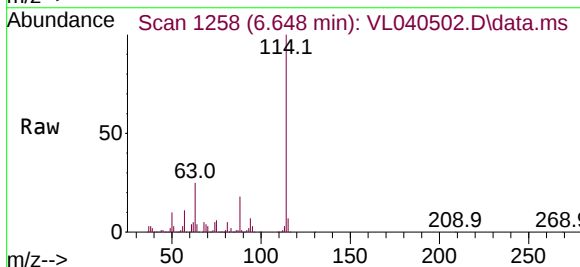
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

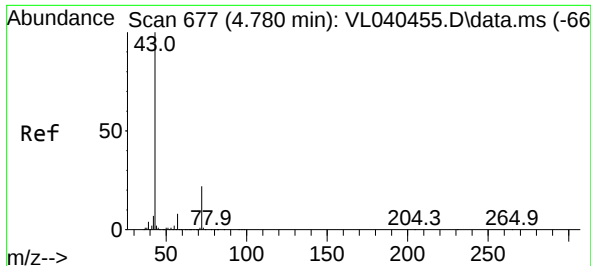
Tgt Ion: 97 Resp: 246246
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.5 77.3
 61 52.0 39.7 59.5



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.648 min Scan# 1258
 Delta R.T. -0.007 min
 Lab File: VL040502.D
 Acq: 23 Jun 2023 10:51

Tgt Ion: 114 Resp: 2699509
 Ion Ratio Lower Upper
 114 100
 63 24.7 21.0 31.6
 88 17.7 14.5 21.7

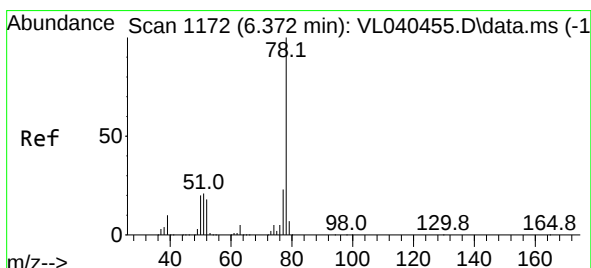
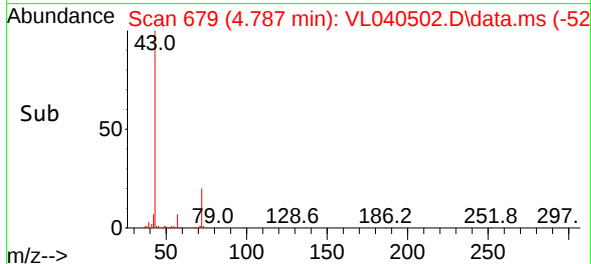
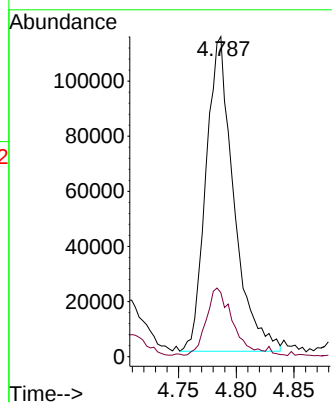
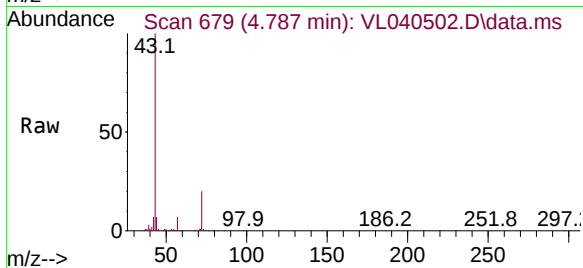




#34
2-Butanone
Concen: 1.467 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

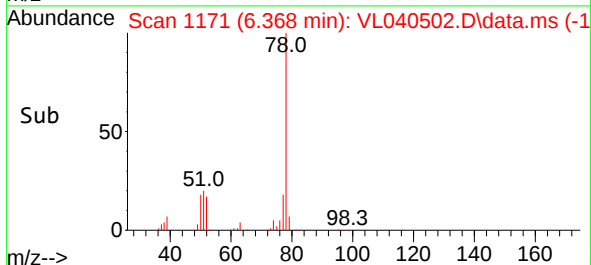
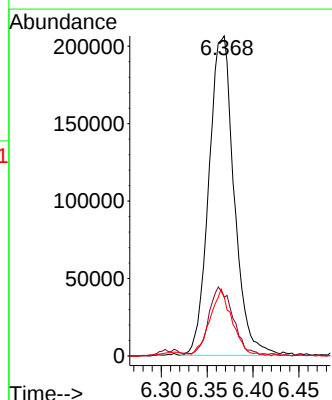
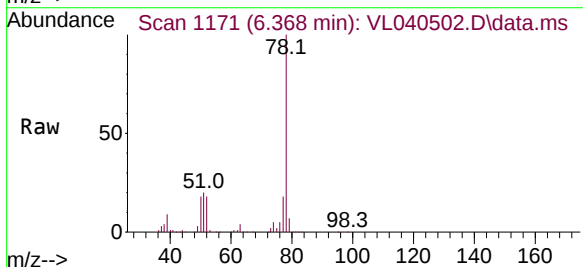
Instrument :
MSVOA_L
ClientSampleId :
SV-2

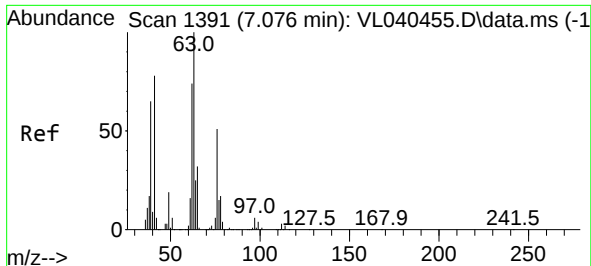
Tgt Ion: 43 Resp: 190914
Ion Ratio Lower Upper
43 100
72 21.8 18.1 27.1



#36
Benzene
Concen: 1.838 ppbv
RT: 6.368 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 78 Resp: 394709
Ion Ratio Lower Upper
78 100
77 18.2 18.5 27.7#
50 18.1 16.1 24.1





#39

1,2-Dichloropropane

Concen: 7.882 ppbv

RT: 6.648 min Scan# 1

Delta R.T. -0.428 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

Instrument :

MSVOA_L

ClientSampleId :

SV-2

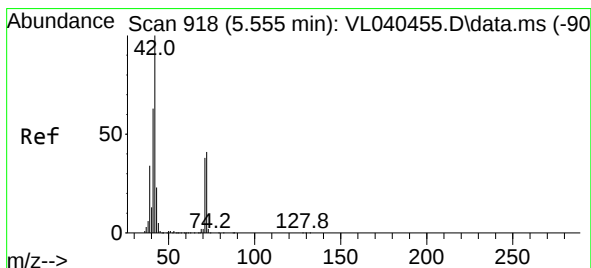
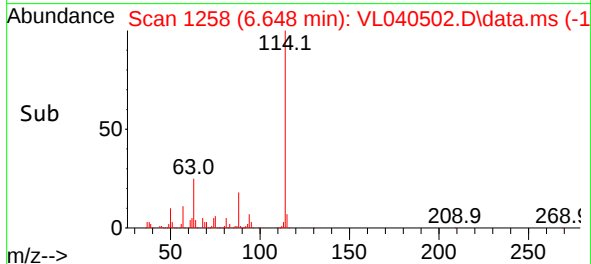
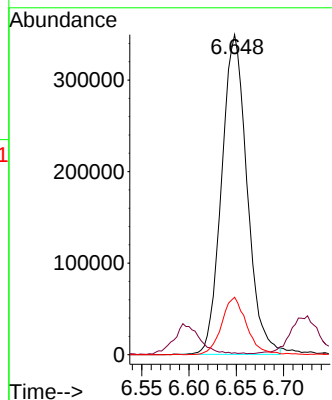
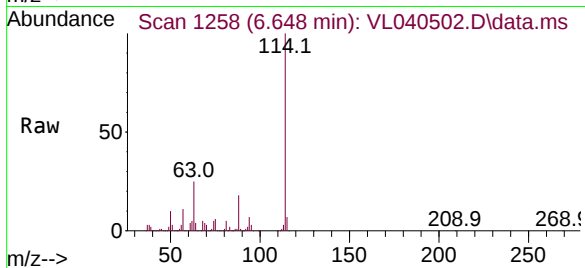
Tgt Ion: 63 Resp: 652423

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.2#

62 17.9 59.0 88.4#



#41

Tetrahydrofuran

Concen: 0.051 ppbv

RT: 5.565 min Scan# 921

Delta R.T. 0.010 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

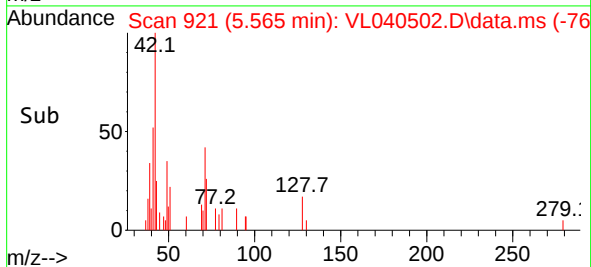
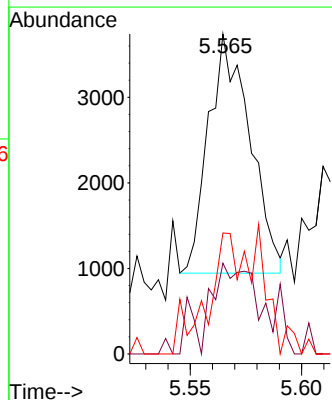
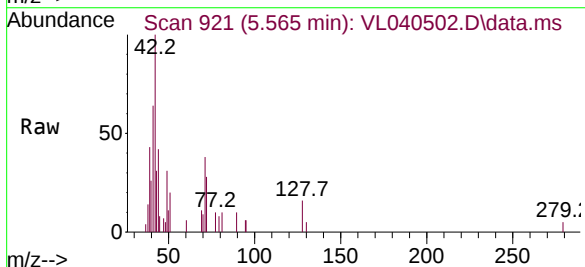
Tgt Ion: 42 Resp: 3606

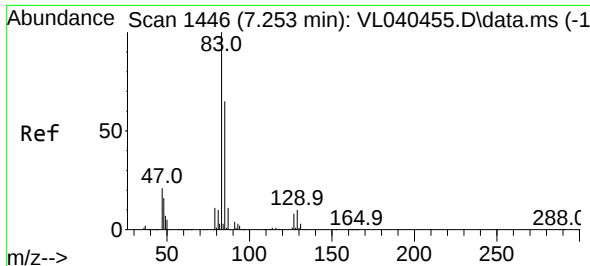
Ion Ratio Lower Upper

42 100

72 53.9 33.8 50.8#

71 64.6 32.3 48.5#





#42

Bromodichloromethane

Concen: 0.044 ppbv

RT: 7.246 min Scan# 1444

Delta R.T. -0.007 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

Instrument :

MSVOA_L

ClientSampleId :

SV-2

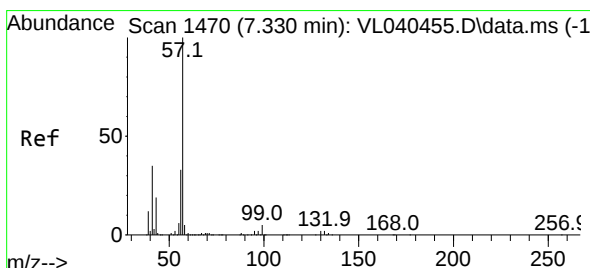
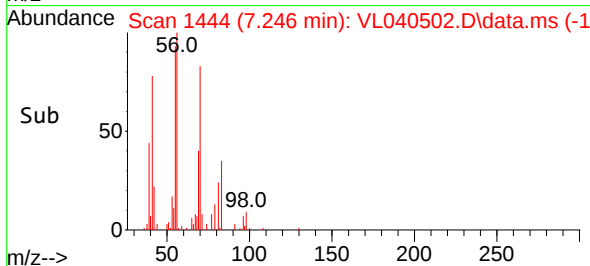
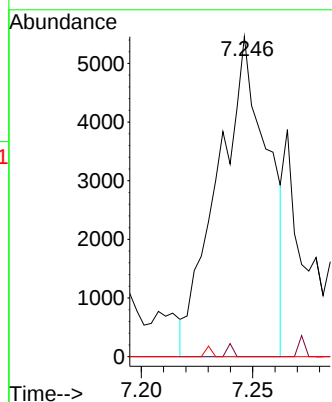
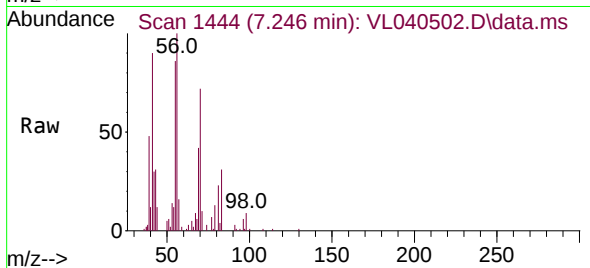
Tgt Ion: 83 Resp: 8516

Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.6#

127 0.0 6.1 9.1#



#44

2,2,4-Trimethylpentane

Concen: 0.782 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. -0.007 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

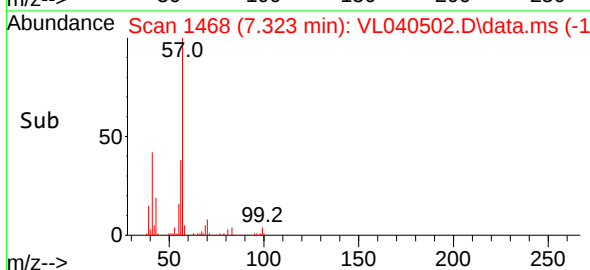
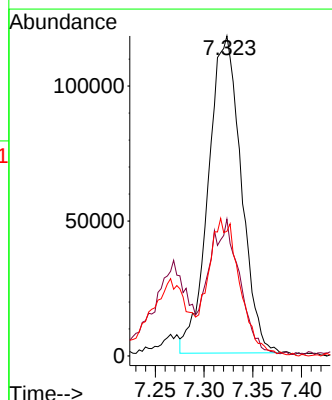
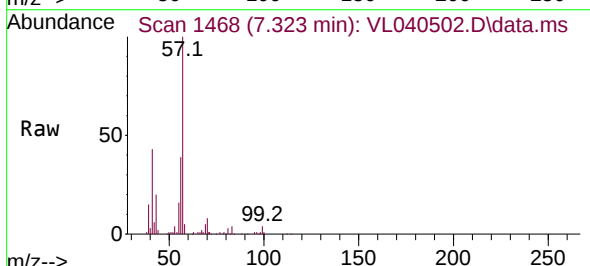
Tgt Ion: 57 Resp: 274489

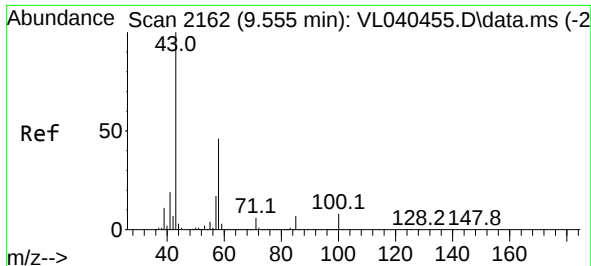
Ion Ratio Lower Upper

57 100

41 40.5 27.8 41.8

56 41.5 25.3 37.9#

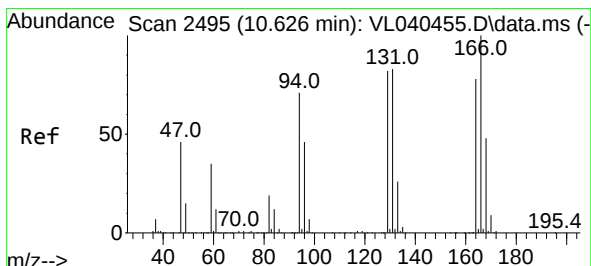
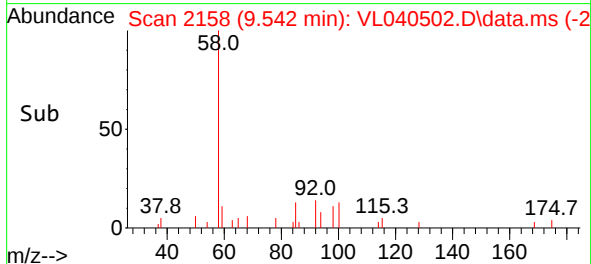
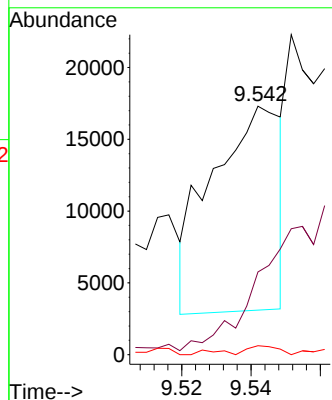
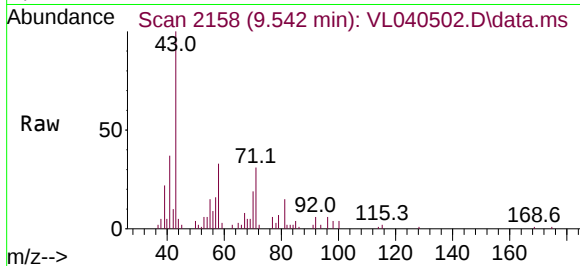




#51
2-Hexanone
Concen: 0.163 ppbv
RT: 9.542 min Scan# 2162
Delta R.T. -0.013 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

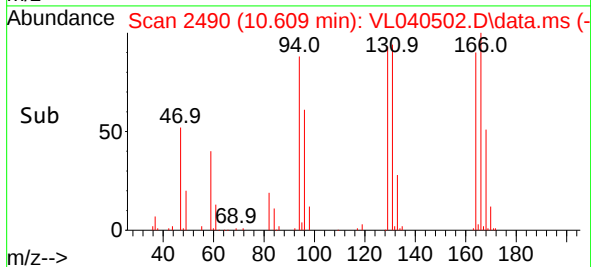
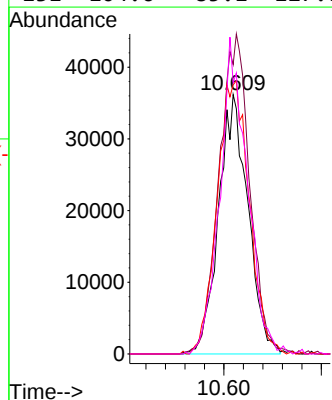
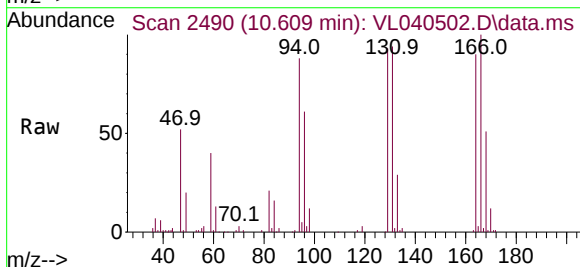
Instrument :
MSVOA_L
ClientSampleId :
SV-2

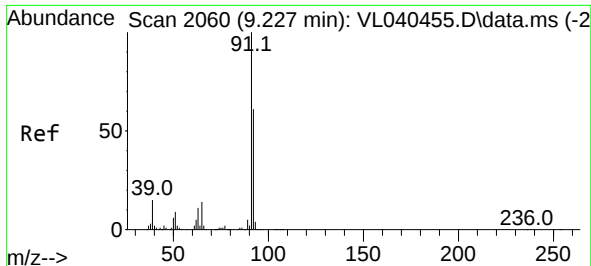
Tgt Ion: 43 Resp: 19709
Ion Ratio Lower Upper
43 100
58 0.0 37.1 55.7#
98 4.1 0.5 0.7#



#52
Tetrachloroethene
Concen: 1.123 ppbv
RT: 10.609 min Scan# 2490
Delta R.T. -0.016 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 164 Resp: 75737
Ion Ratio Lower Upper
164 100
166 111.6 102.7 154.1
129 103.8 84.6 126.8
131 104.6 85.1 127.7

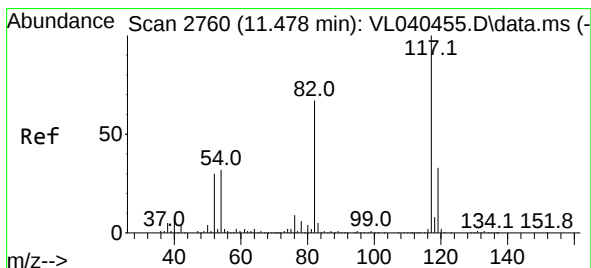
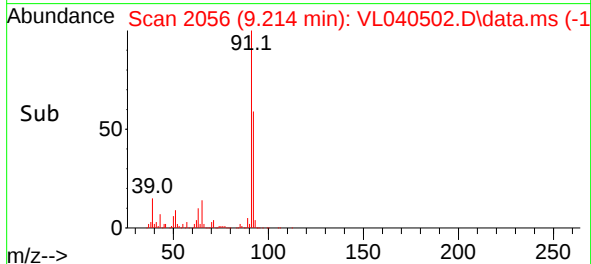
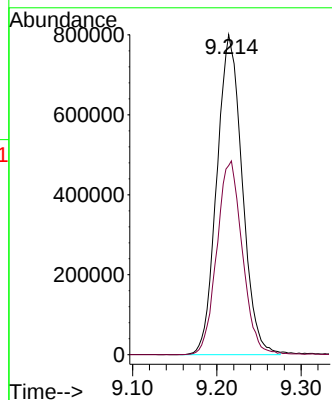
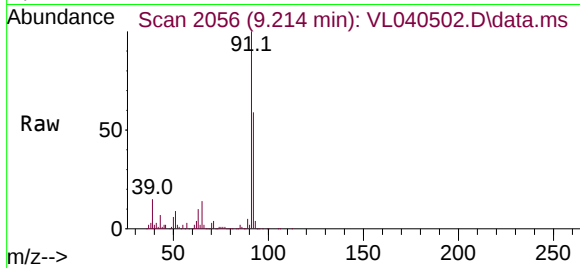




#53
Toluene
Concen: 7.392 ppbv
RT: 9.214 min Scan# 2060
Delta R.T. -0.013 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

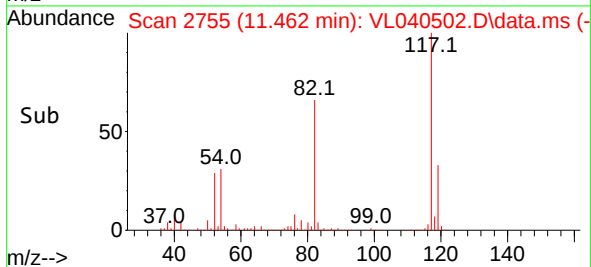
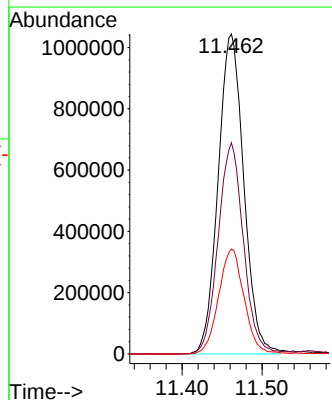
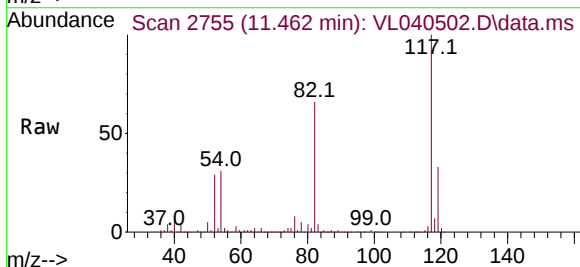
Instrument :
MSVOA_L
ClientSampleId :
SV-2

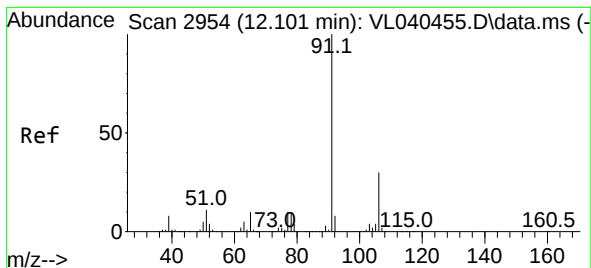
Tgt Ion: 91 Resp: 1671769
Ion Ratio Lower Upper
91 100
92 61.0 49.1 73.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.016 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 117 Resp: 2327757
Ion Ratio Lower Upper
117 100
82 65.2 53.0 79.4
119 32.9 24.4 36.6





#58

Ethyl Benzene

Concen: 2.255 ppbv

RT: 12.079 min Scan# 2954

Delta R.T. -0.023 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

Instrument :

MSVOA_L

ClientSampleId :

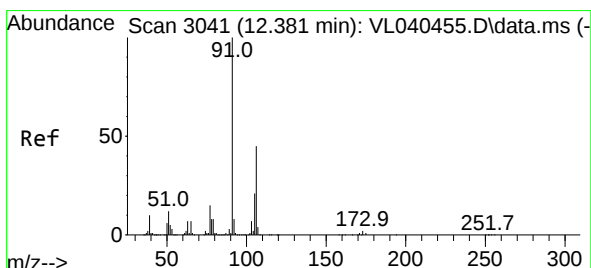
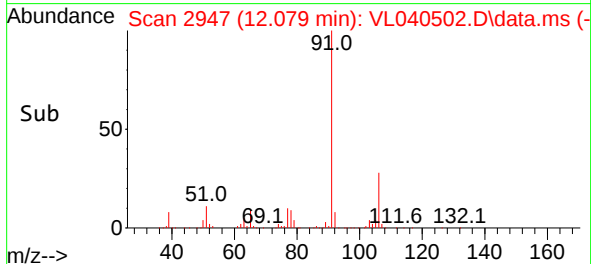
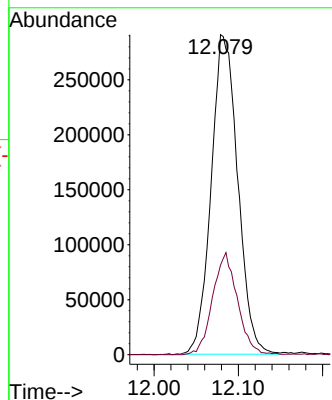
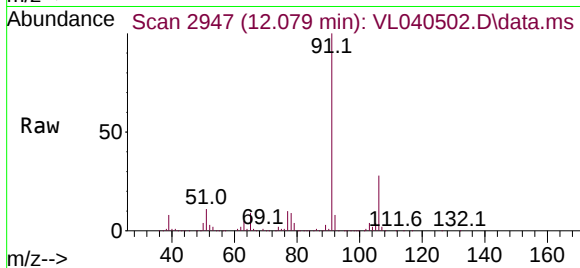
SV-2

Tgt Ion: 91 Resp: 635861

Ion Ratio Lower Upper

91 100

106 28.0 23.7 35.5



#59

m/p-Xylene

Concen: 8.065 ppbv

RT: 12.339 min Scan# 3028

Delta R.T. -0.042 min

Lab File: VL040502.D

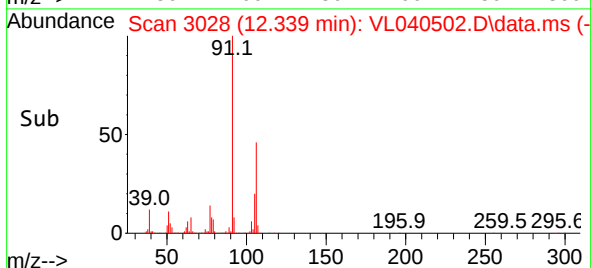
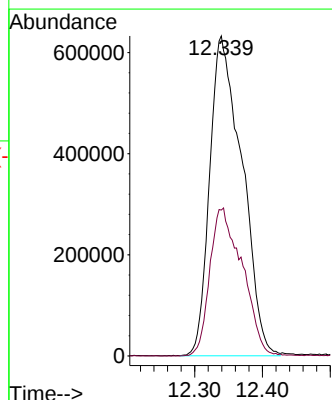
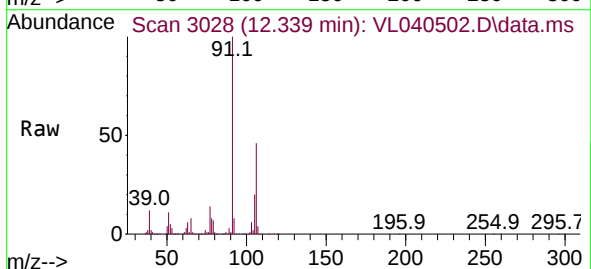
Acq: 23 Jun 2023 10:51

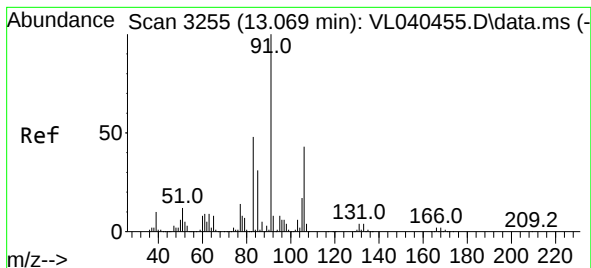
Tgt Ion: 91 Resp: 2090335

Ion Ratio Lower Upper

91 100

106 46.6 34.6 52.0

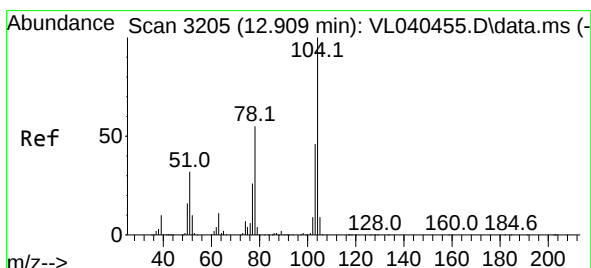
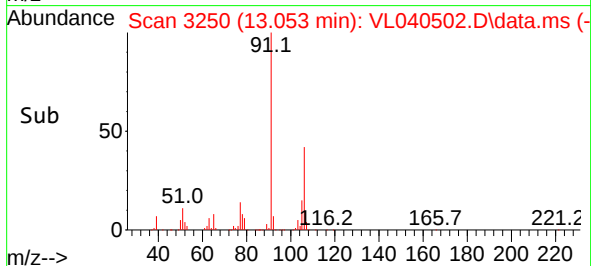
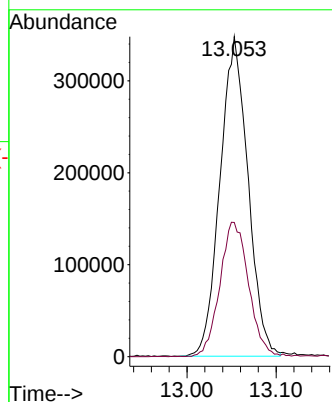
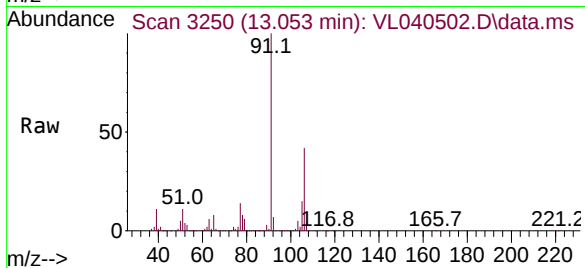




#60
o-Xylene
Concen: 3.079 ppbv
RT: 13.053 min Scan# 3199
Delta R.T. -0.016 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

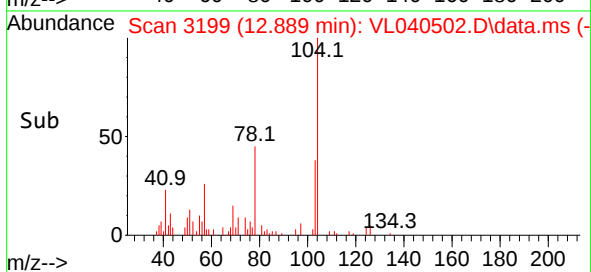
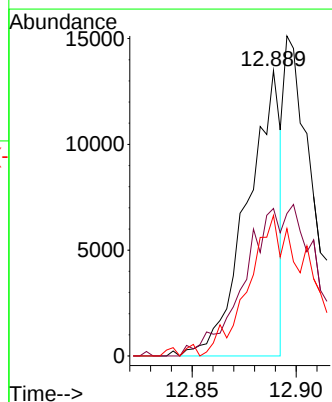
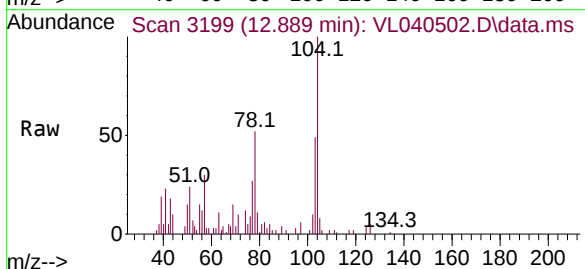
Instrument :
MSVOA_L
ClientSampleId :
SV-2

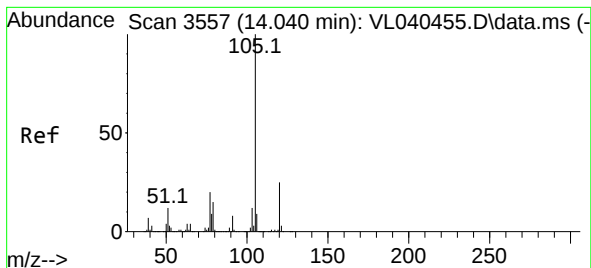
Tgt Ion: 91 Resp: 756892
Ion Ratio Lower Upper
91 100
106 43.5 22.1 66.1



#61
Styrene
Concen: 0.142 ppbv
RT: 12.889 min Scan# 3199
Delta R.T. -0.019 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion:104 Resp: 15045
Ion Ratio Lower Upper
104 100
78 0.0 43.1 64.7#
103 93.7 37.1 55.7#





#62

Isopropylbenzene

Concen: 0.224 ppbv

RT: 14.024 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

Instrument :

MSVOA_L

ClientSampleId :

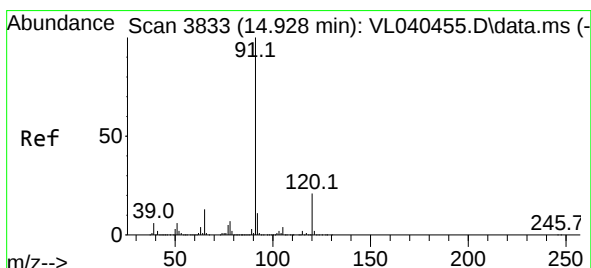
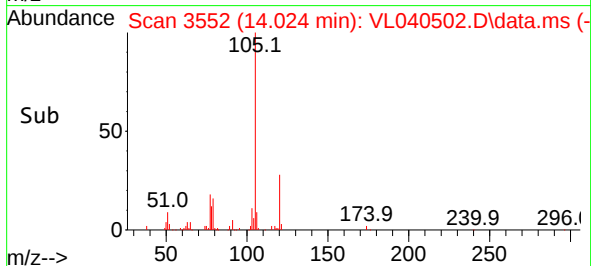
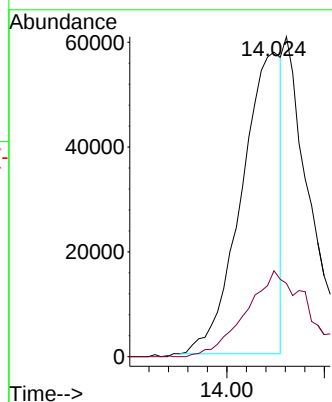
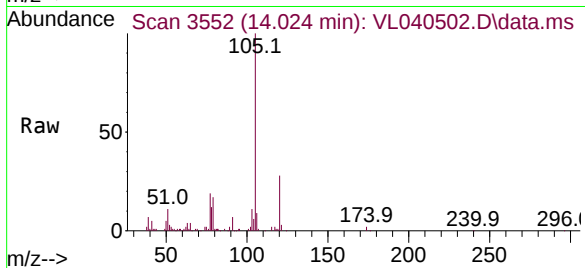
SV-2

Tgt Ion:105 Resp: 81737

Ion Ratio Lower Upper

105 100

120 44.3 20.2 30.4#



#64

n-propylbenzene

Concen: 0.205 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. -0.016 min

Lab File: VL040502.D

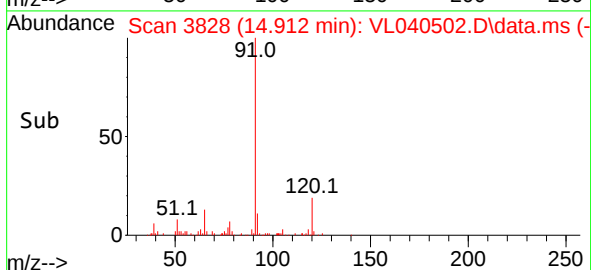
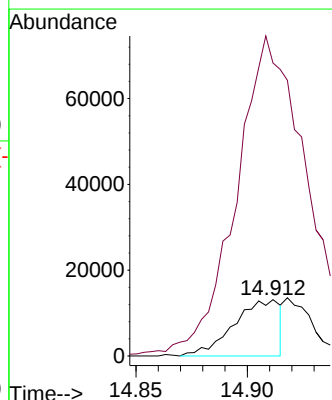
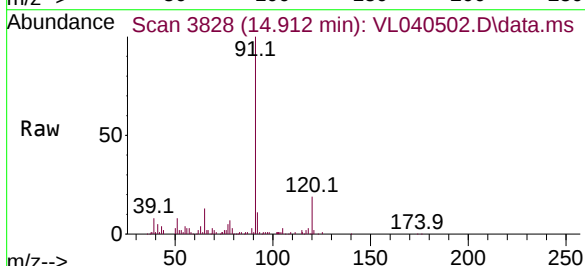
Acq: 23 Jun 2023 10:51

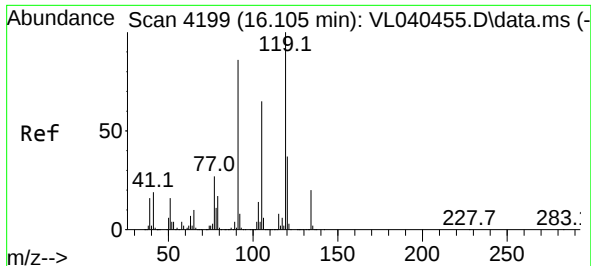
Tgt Ion:120 Resp: 18990

Ion Ratio Lower Upper

120 100

91 863.0 388.5 582.7#

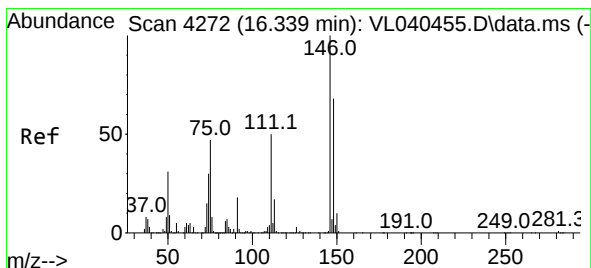
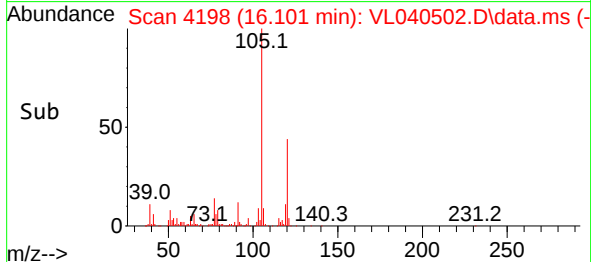
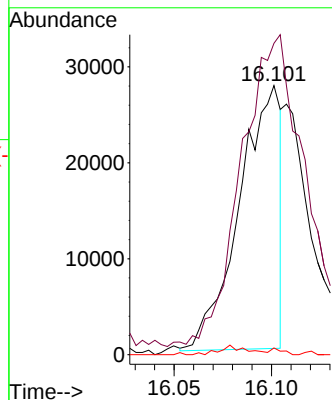
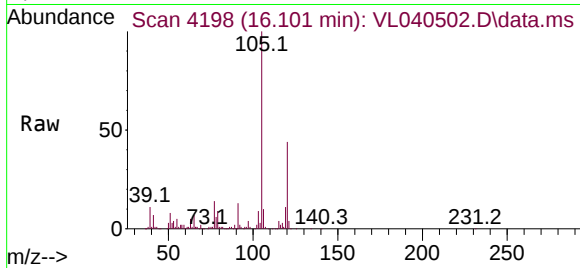




#65
tert-Butylbenzene
Concen: 0.129 ppbv
RT: 16.101 min Scan# 4199
Delta R.T. -0.003 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

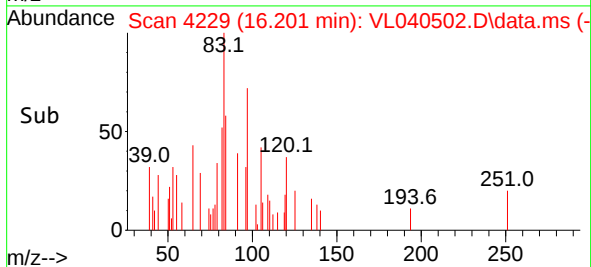
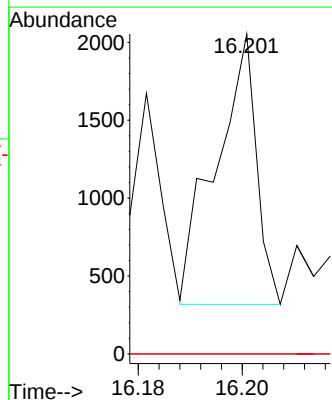
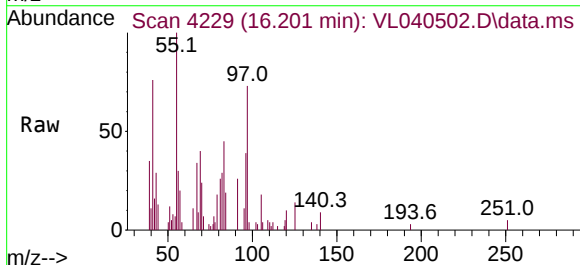
Instrument :
MSVOA_L
ClientSampleId :
SV-2

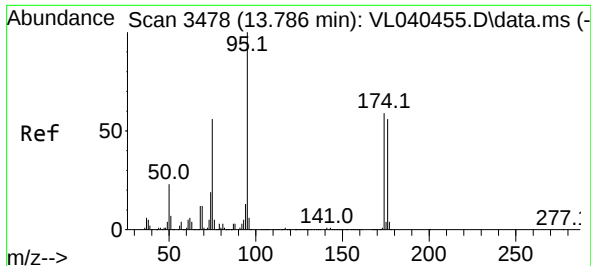
Tgt Ion:119 Resp: 40523
Ion Ratio Lower Upper
119 100
91 0.0 70.5 105.7#
134 3.0 15.6 23.4#



#66
Benzyl Chloride
Concen: 0.039 ppbv
RT: 16.201 min Scan# 4229
Delta R.T. -0.138 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 91 Resp: 944
Ion Ratio Lower Upper
91 100
126 342.8 13.2 19.8#
128 3.4 4.6 6.8#

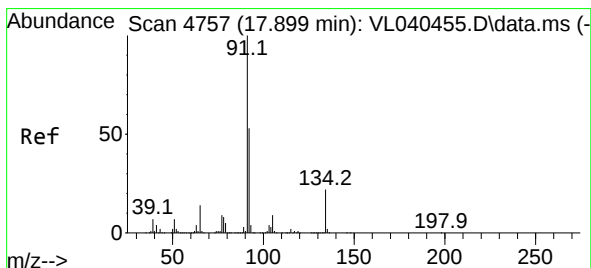
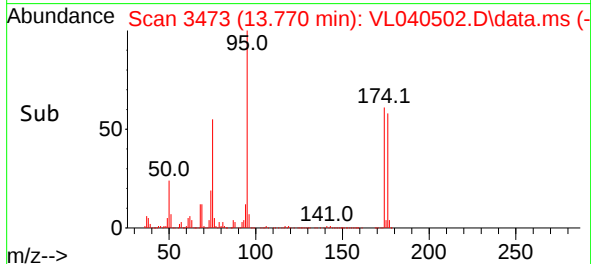
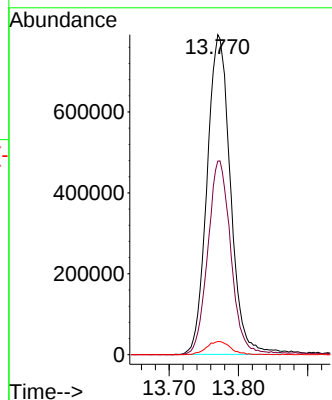
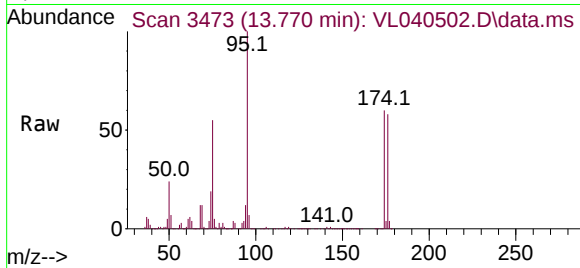




#68
1-Bromo-4-Fluorobenzene
Concen: 9.636 ppbv
RT: 13.770 min Scan# 3478
Delta R.T. -0.016 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

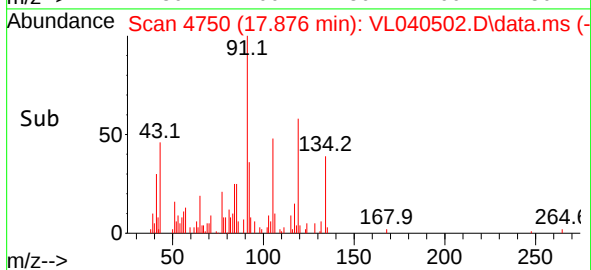
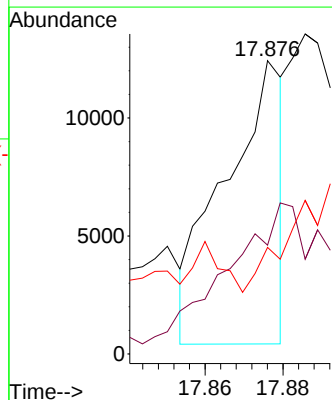
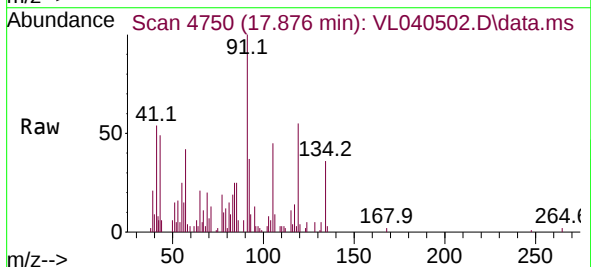
Instrument :
MSVOA_L
ClientSampleId :
SV-2

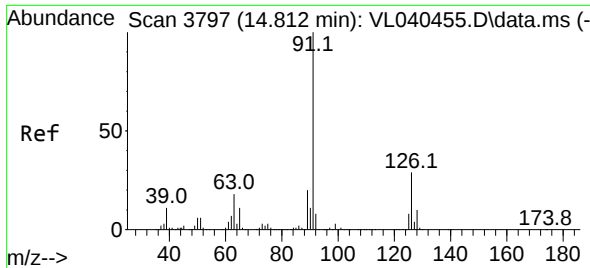
Tgt Ion: 95 Resp: 1851337
Ion Ratio Lower Upper
95 100
174 61.1 47.7 71.5
175 4.3 3.5 5.3



#70
n-Butylbenzene
Concen: 0.031 ppbv
RT: 17.876 min Scan# 4750
Delta R.T. -0.023 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 91 Resp: 12492
Ion Ratio Lower Upper
91 100
92 131.3 42.7 64.1#
134 0.0 16.9 25.3#

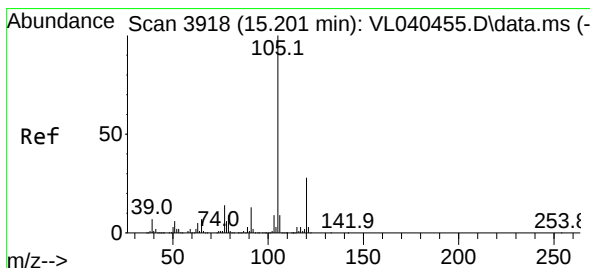
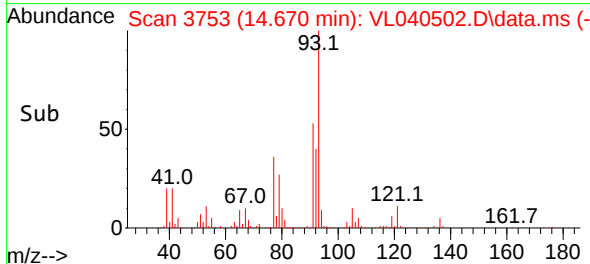
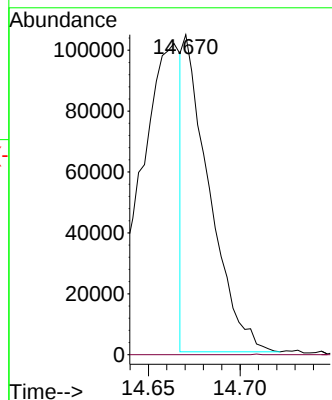
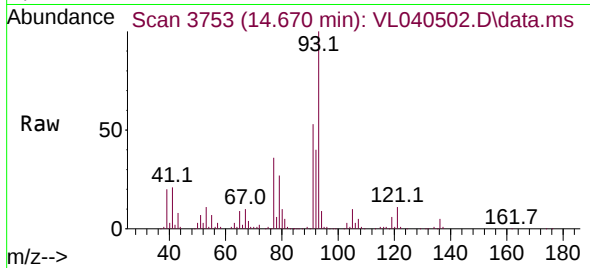




#71
2-Chlorotoluene
Concen: 0.377 ppbv
RT: 14.670 min Scan# 31
Delta R.T. -0.142 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

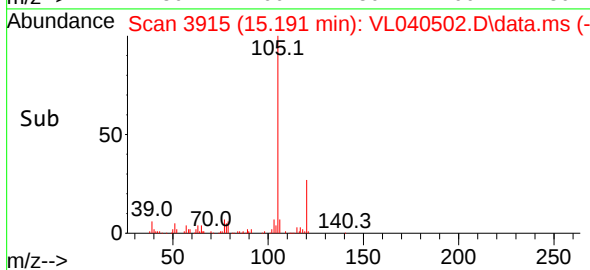
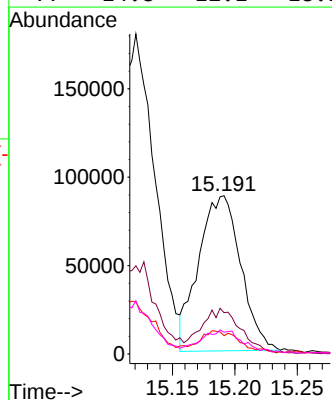
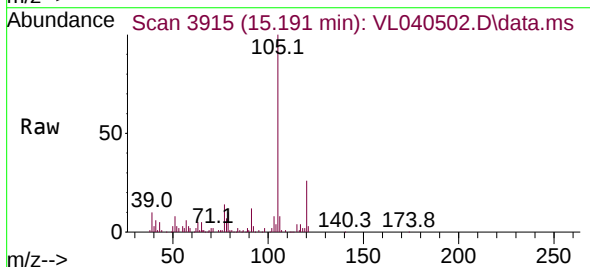
Instrument :
MSVOA_L
ClientSampleId :
SV-2

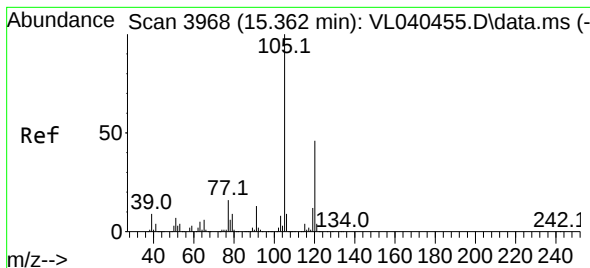
Tgt Ion: 91 Resp: 102308
Ion Ratio Lower Upper
91 100
126 0.9 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.746 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. -0.010 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion: 105 Resp: 206514
Ion Ratio Lower Upper
105 100
120 30.0 23.4 35.0
91 13.9 11.1 16.7
77 14.8 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 0.554 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. -0.016 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

Instrument :

MSVOA_L

ClientSampleId :

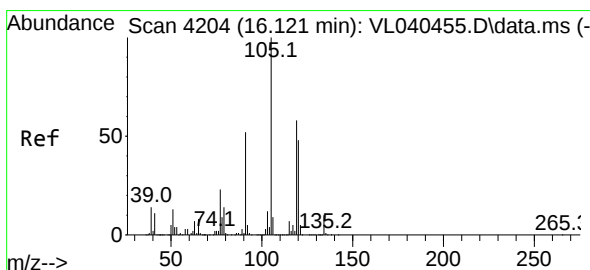
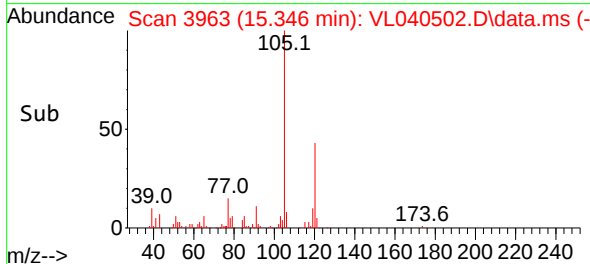
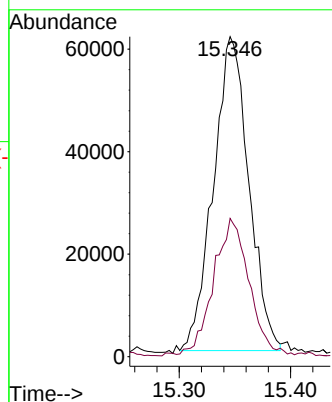
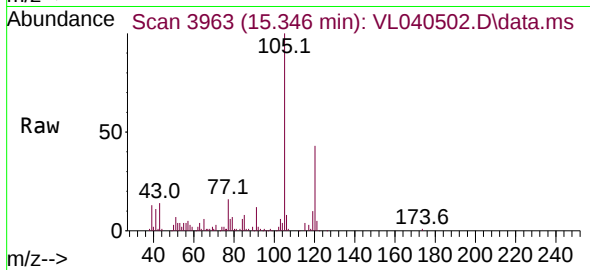
SV-2

Tgt Ion:105 Resp: 135588

Ion Ratio Lower Upper

105 100

120 43.2 36.4 54.6



#74

1,2,4-Trimethylbenzene

Concen: 2.169 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.023 min

Lab File: VL040502.D

Acq: 23 Jun 2023 10:51

Tgt Ion:105 Resp: 624587

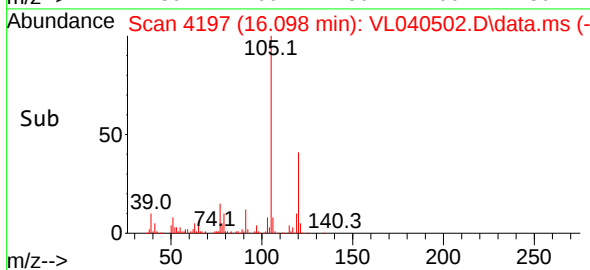
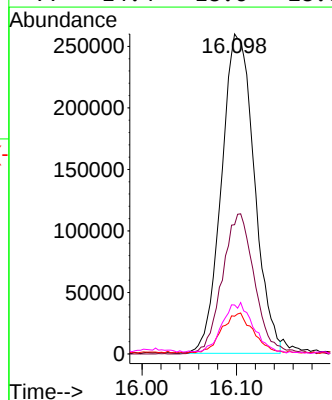
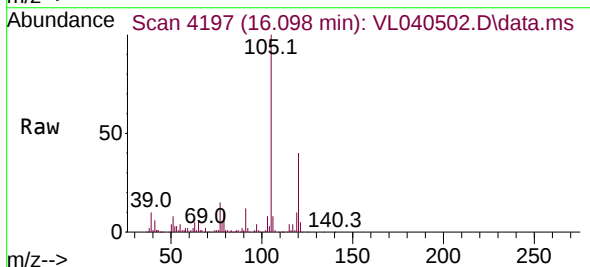
Ion Ratio Lower Upper

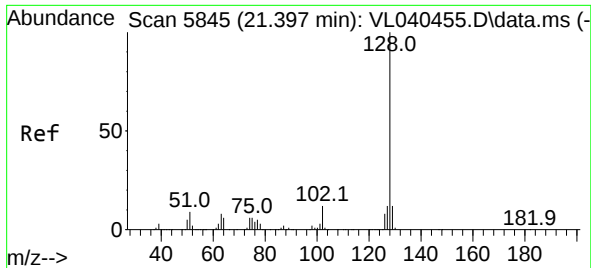
105 100

120 40.5 38.4 57.6

91 11.2 41.3 61.9#

77 14.4 18.6 28.0#

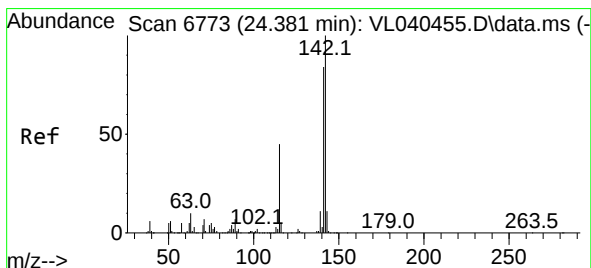
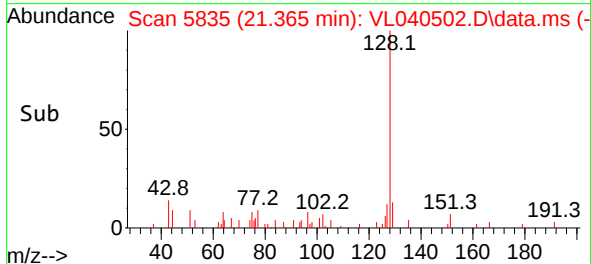
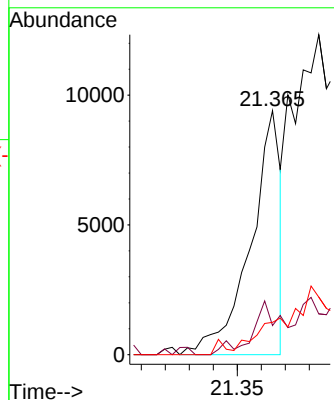
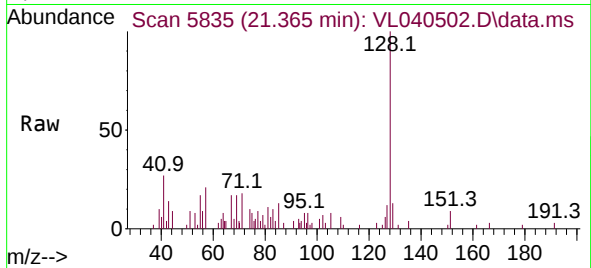




#79
Naphthalene
Concen: 0.049 ppbv
RT: 21.365 min Scan# 5835
Delta R.T. -0.032 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Instrument :
MSVOA_L
ClientSampleId :
SV-2

Tgt Ion:128 Resp: 8187
Ion Ratio Lower Upper
128 100
127 9.0 9.9 14.9#
129 13.2 9.2 13.8



#80
Naphthalene,2-methyl-
Concen: 0.065 ppbv
RT: 24.371 min Scan# 6770
Delta R.T. -0.010 min
Lab File: VL040502.D
Acq: 23 Jun 2023 10:51

Tgt Ion:142 Resp: 3233
Ion Ratio Lower Upper
142 100
141 116.6 65.4 98.0#
115 71.4 36.6 55.0#

