

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040042.D
 Acq On : 20 Dec 2022 00:07
 Operator : SY/MD
 Sample : N5971-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2

Quant Time: Dec 20 05:17:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	960689	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	2558110	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2420641	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1857532	10.046	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	57775	0.321	ppbv	93
3) Chlorodifluoromethane	2.652	51	57787	0.408	ppbv	93
4) Chloromethane	2.787	50	55825	0.629	ppbv #	85
6) Bromomethane	3.092	94	4627	0.175	ppbv	83
9) Propene	2.674	41	866367	14.403	ppbv	83
10) Heptane	7.568	43	9814948	66.853	ppbv	93
11) Trichlorofluoromethane	3.536	101	35819	0.183	ppbv	98
13) Ethanol	3.214	45	2773417	489.877	ppbv	94
15) Acetone	3.439	43	19140008	128.791	ppbv #	63
16) 1,3-Butadiene	2.941	39	458095	7.091	ppbv #	23
17) tert-Butyl alcohol	3.864	59	75562	0.516	ppbv #	72
19) Isopropyl Alcohol	3.555	45	416694	5.689	ppbv #	94
20) Methylene Chloride	3.912	84	95822	1.517	ppbv	99
21) Allyl Chloride	3.870	41	16033	0.180	ppbv #	63
23) Vinyl Acetate	4.632	43	552229	11.721	ppbv #	40
25) Ethyl Acetate	5.185	43	399457	1.552	ppbv #	77
26) Hexane	5.185	57	570530	5.274	ppbv #	38
27) Carbon Disulfide	4.099	76	97319	0.713	ppbv	98
28) Methyl tert-Butyl Ether	4.558	73	718794	5.638	ppbv	98
29) Chloroform	5.256	83	18891	0.114	ppbv #	82
30) Cyclohexane	6.578	84	2133300	22.268	ppbv	92
34) 2-Butanone	4.764	43	77926	0.562	ppbv	92
35) Carbon Tetrachloride	6.472	117	9190	0.058	ppbv	90
36) Benzene	6.346	78	815927	3.571	ppbv	100
39) 1,2-Dichloropropane	6.957	63	7562	0.088	ppbv #	1
41) Tetrahydrofuran	5.542	42	4681	0.054	ppbv #	1
42) Bromodichloromethane	7.230	83	372433	2.028	ppbv #	25
43) Methyl Methacrylate	7.568	69	109947	1.282	ppbv #	1
44) 2,2,4-Trimethylpentane	7.304	57	540605	1.437	ppbv #	1
47) 1,1,2-Trichloroethane	8.976	97	97051	1.035	ppbv #	58
50) 4-Methyl-2-Pentanone	8.198	43	257037	1.134	ppbv #	84
51) 2-Hexanone	9.520	43	386437	2.191	ppbv #	32
53) Toluene	9.230	91	32298277	127.687	ppbv #	69
58) Ethyl Benzene	12.073	91	1498057	4.356	ppbv	99
59) m/p-Xylene	12.323	91	4213175	14.062	ppbv	95
60) o-Xylene	13.037	91	2138975	7.452	ppbv	99
61) Styrene	12.883	104	105832	0.687	ppbv	98
62) Isopropylbenzene	14.011	105	194608	0.470	ppbv	100
64) n-propylbenzene	14.899	120	33619	0.322	ppbv	83
65) tert-Butylbenzene	16.085	119	43745	0.122	ppbv #	65
67) sec-Butylbenzene	16.619	105	19653	0.039	ppbv #	74
69) p-Isopropyltoluene	16.973	119	20623	0.051	ppbv #	44
72) 4-Ethyltoluene	15.172	105	112152	0.352	ppbv #	94

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Quant Time: Dec 20 05:17:54 2022
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

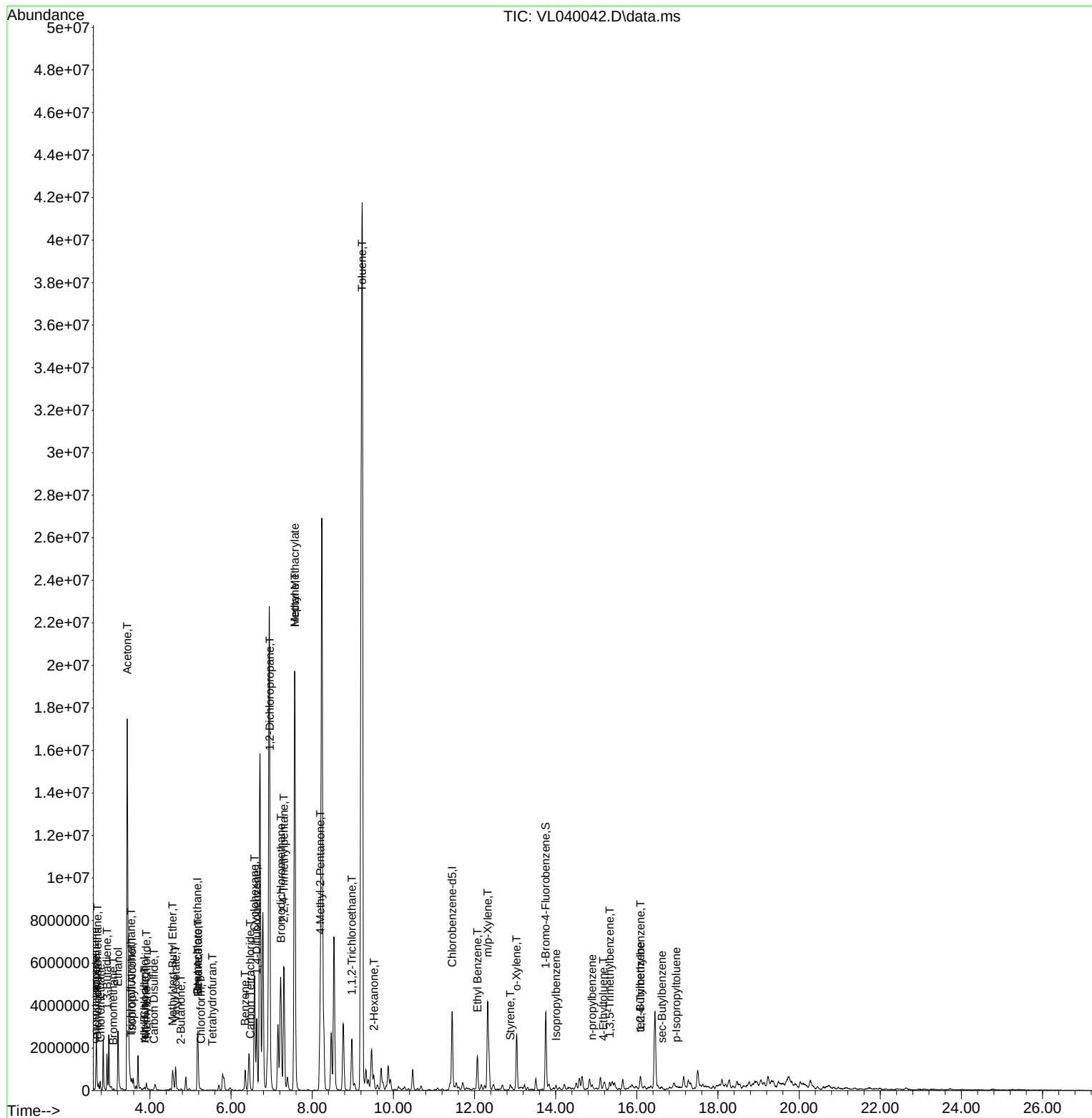
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
73) 1,3,5-Trimethylbenzene	15.333	105	222153	0.773	ppbv	93
74) 1,2,4-Trimethylbenzene	16.092	105	392964	1.240	ppbv #	64

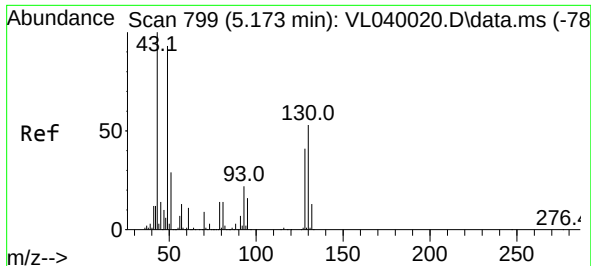
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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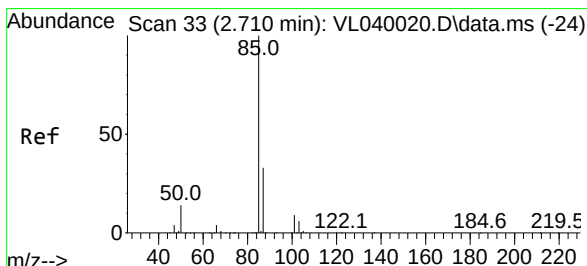
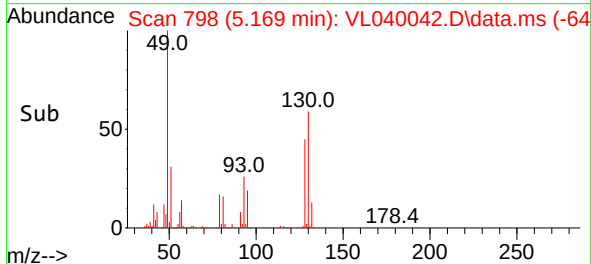
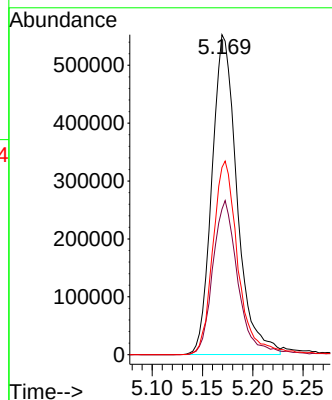
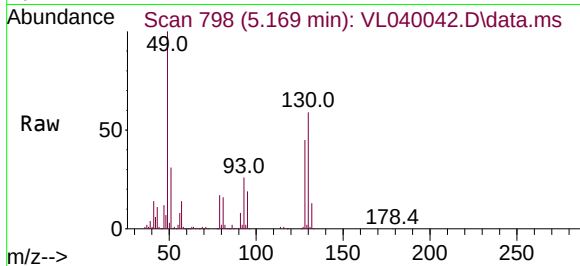




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. -0.004 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

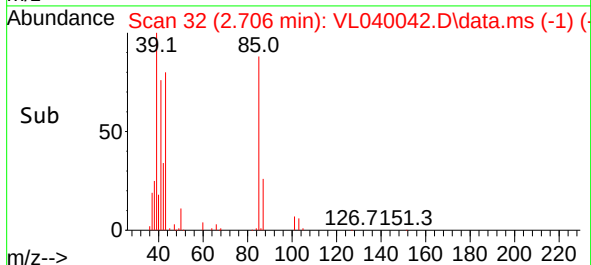
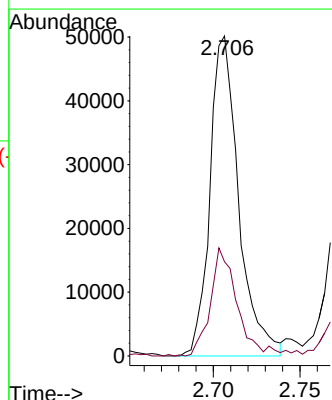
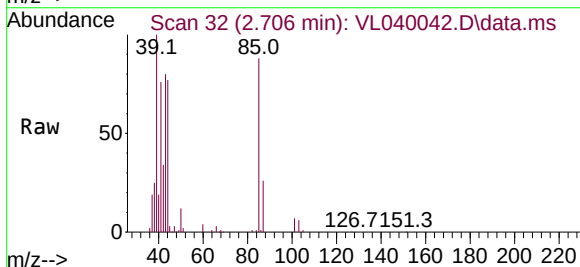
Instrument :
MSVOA_L
ClientSampleId :
SS-2

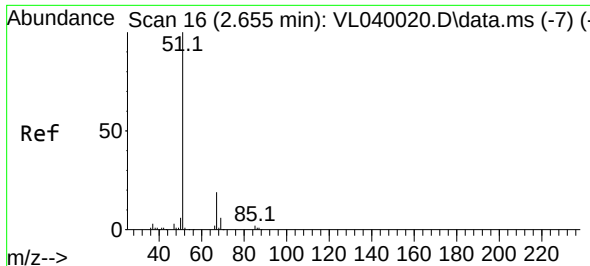
Tgt Ion: 49 Resp: 960689
Ion Ratio Lower Upper
49 100
128 48.9 22.4 67.3
130 61.3 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 0.321 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 85 Resp: 57775
Ion Ratio Lower Upper
85 100
87 29.1 26.6 40.0

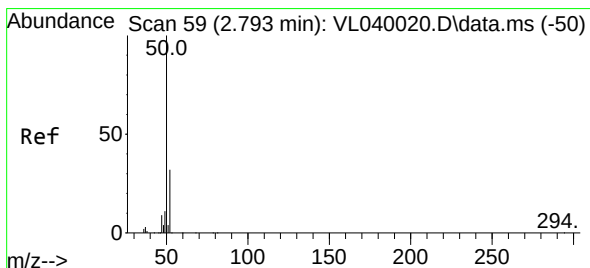
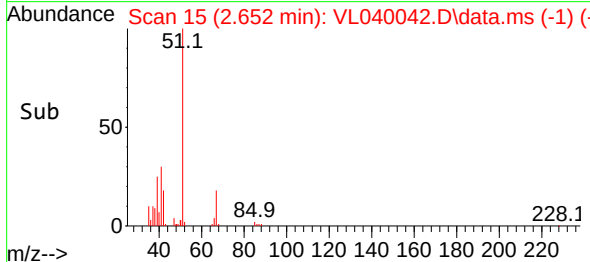
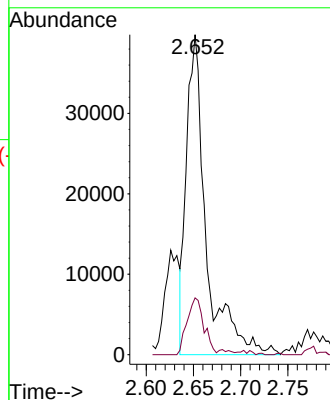
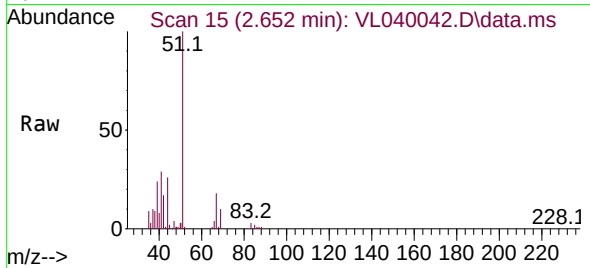




#3
Chlorodifluoromethane
Concen: 0.408 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

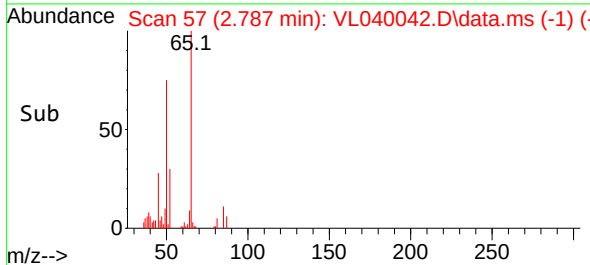
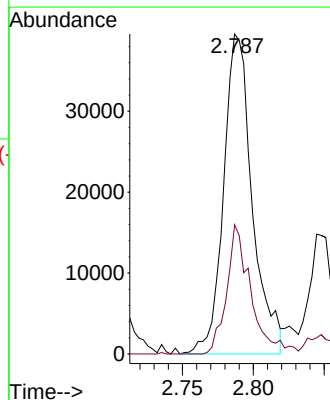
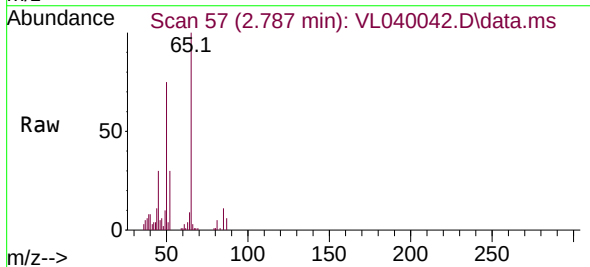
Instrument :
MSVOA_L
ClientSampleId :
SS-2

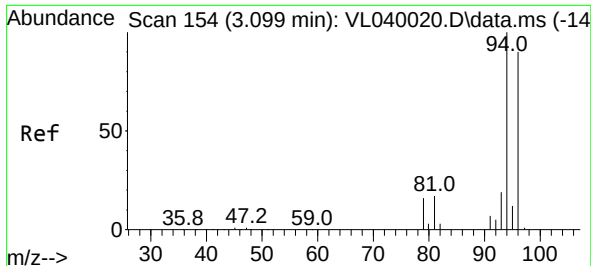
Tgt Ion: 51 Resp: 57787
Ion Ratio Lower Upper
51 100
67 16.0 15.3 22.9



#4
Chloromethane
Concen: 0.629 ppbv
RT: 2.787 min Scan# 57
Delta R.T. -0.006 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 50 Resp: 55825
Ion Ratio Lower Upper
50 100
52 40.4 25.5 38.3#

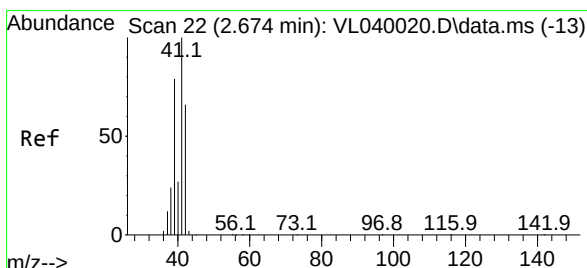
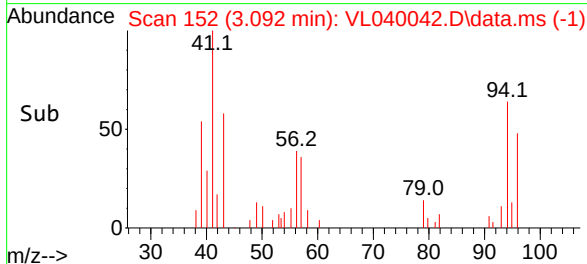
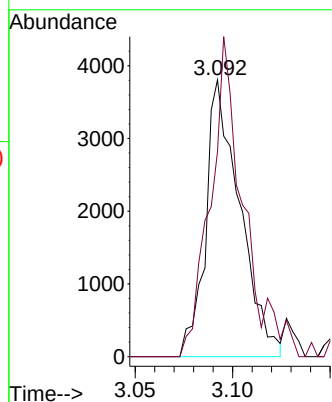
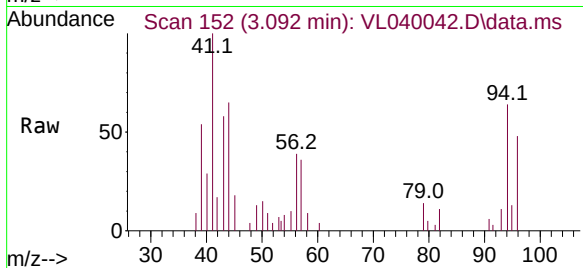




#6
Bromomethane
Concen: 0.175 ppbv
RT: 3.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

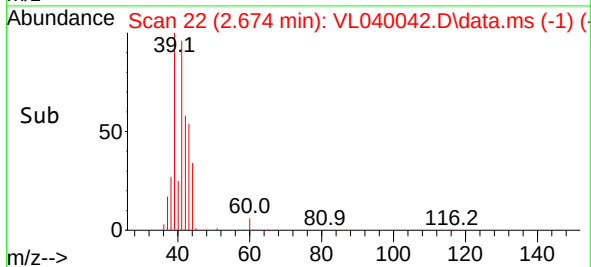
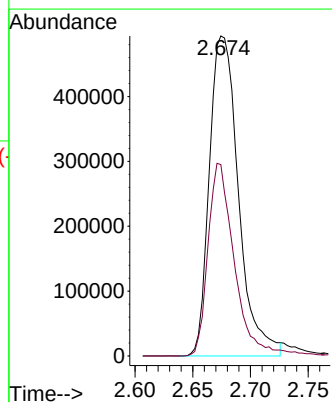
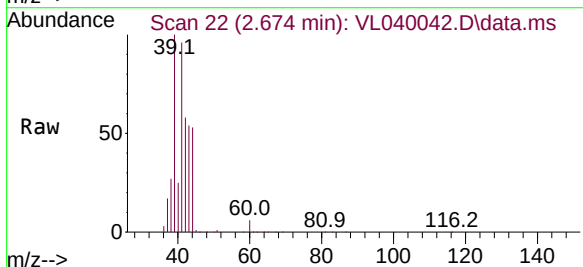
Instrument :
MSVOA_L
ClientSampleId :
SS-2

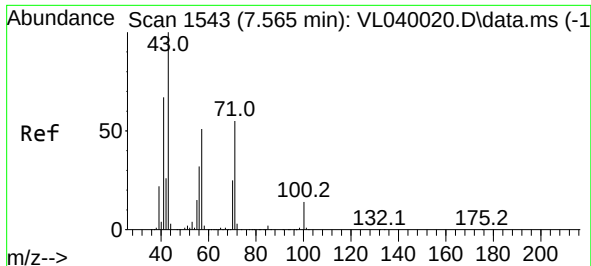
Tgt Ion: 94 Resp: 4627
Ion Ratio Lower Upper
94 100
96 74.1 72.0 108.0



#9
Propene
Concen: 14.403 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.000 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 41 Resp: 866367
Ion Ratio Lower Upper
41 100
42 54.9 54.8 82.2





#10

Heptane

Concen: 66.853 ppbv

RT: 7.568 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

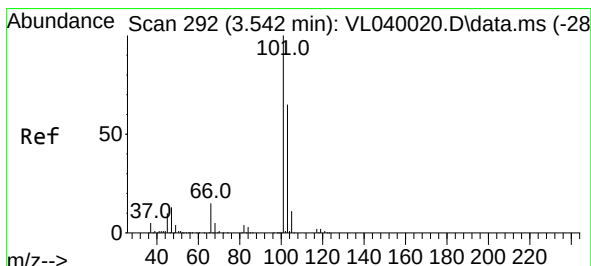
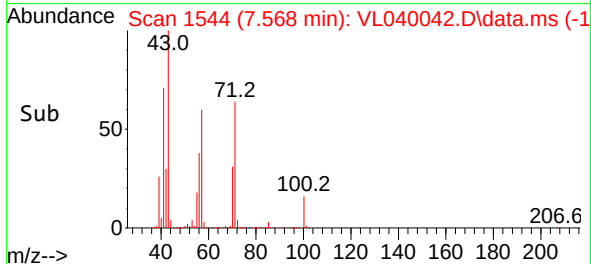
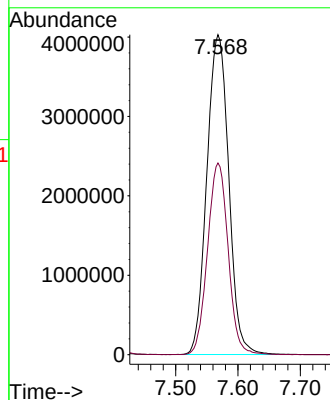
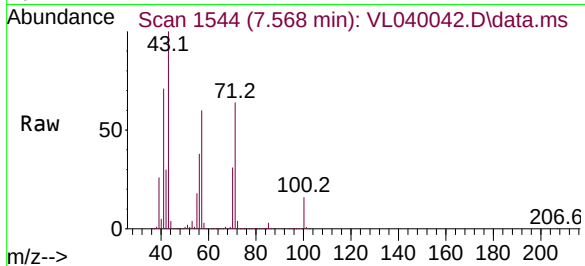
SS-2

Tgt Ion: 43 Resp: 9814948

Ion Ratio Lower Upper

43 100

57 56.5 41.2 61.8



#11

Trichlorofluoromethane

Concen: 0.183 ppbv

RT: 3.536 min Scan# 290

Delta R.T. -0.006 min

Lab File: VL040042.D

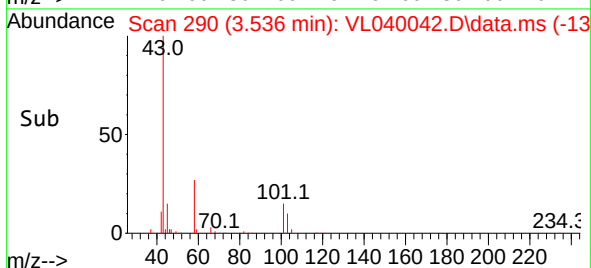
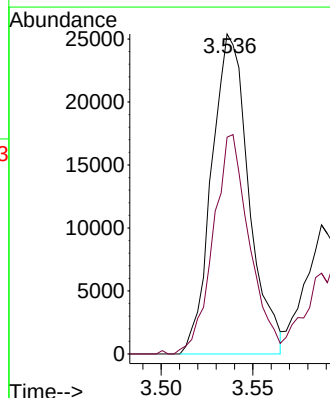
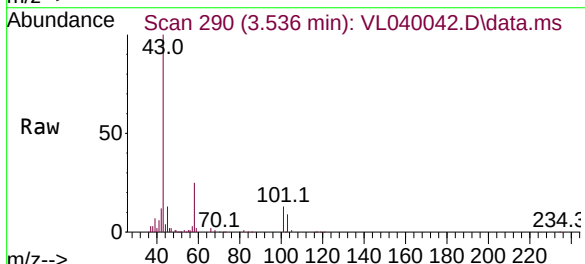
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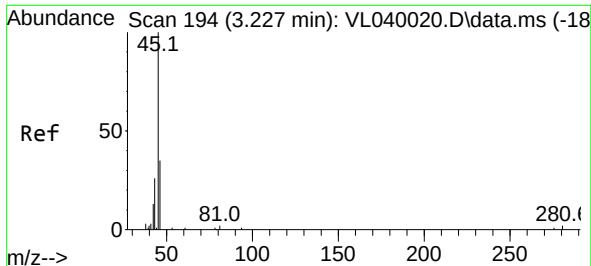
Tgt Ion:101 Resp: 35819

Ion Ratio Lower Upper

101 100

103 66.3 51.7 77.5

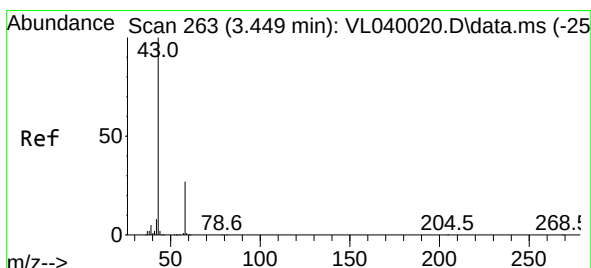
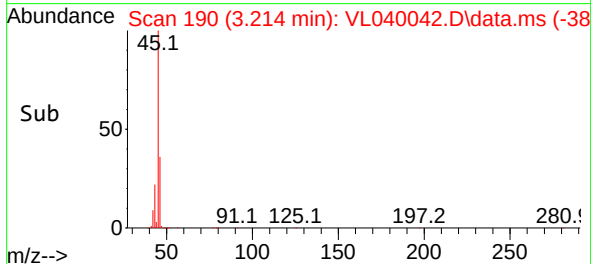
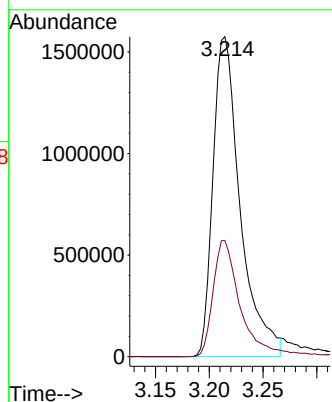
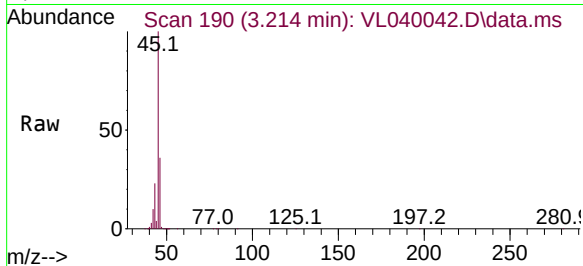




#13
Ethanol
Concen: 489.877 ppbv
RT: 3.214 min Scan# 19
Delta R.T. -0.013 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

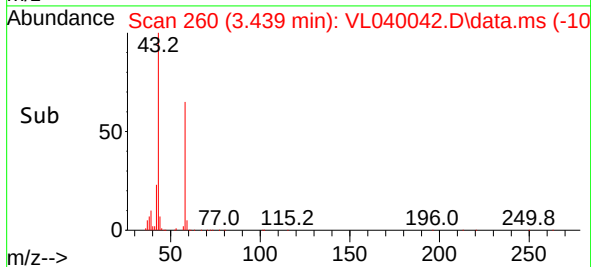
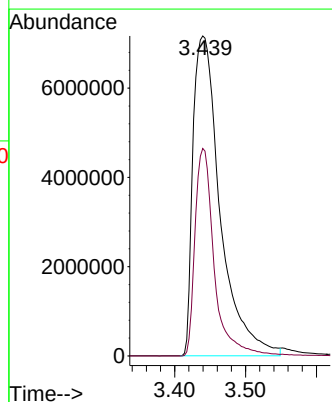
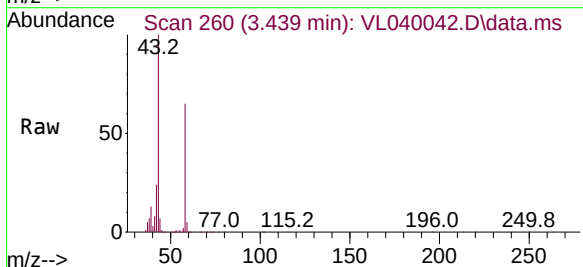
Instrument :
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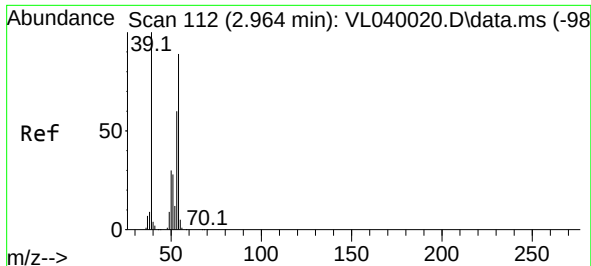
Tgt Ion: 45 Resp: 2773417
Ion Ratio Lower Upper
45 100
46 37.9 13.7 54.7



#15
Acetone
Concen: 128.791 ppbv
RT: 3.439 min Scan# 260
Delta R.T. -0.010 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 43 Resp:19140008
Ion Ratio Lower Upper
43 100
58 46.4 21.8 32.8#





#16

1,3-Butadiene

Concen: 7.091 ppbv

RT: 2.941 min Scan# 105

Delta R.T. -0.022 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

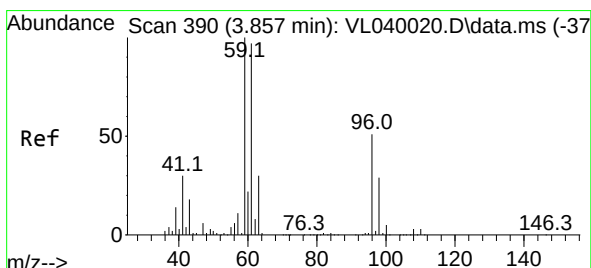
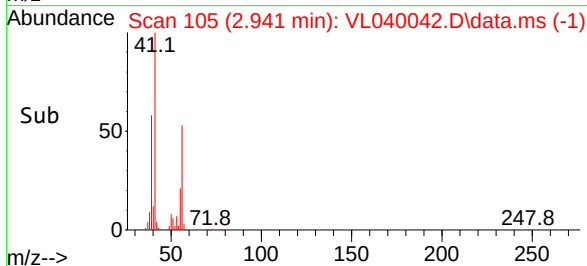
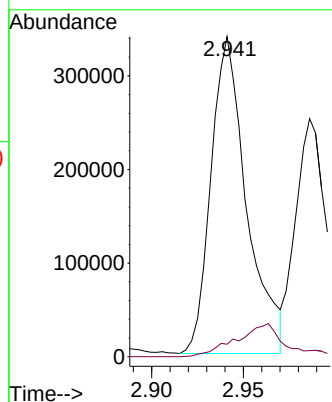
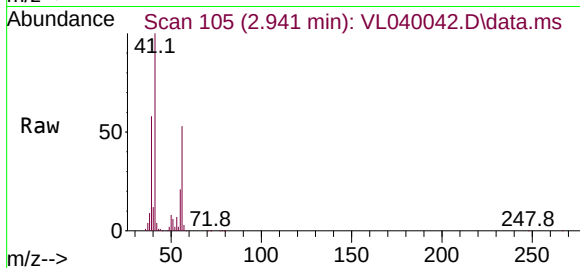
SS-2

Tgt Ion: 39 Resp: 458095

Ion Ratio Lower Upper

39 100

54 14.5 68.3 102.5#



#17

tert-Butyl alcohol

Concen: 0.516 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.006 min

Lab File: VL040042.D

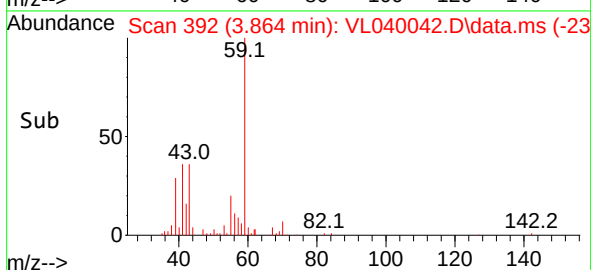
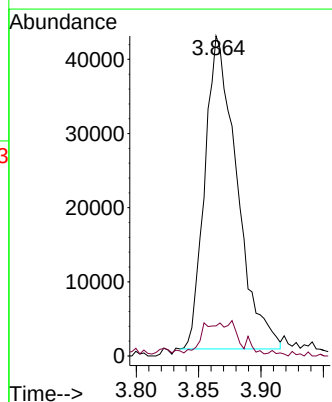
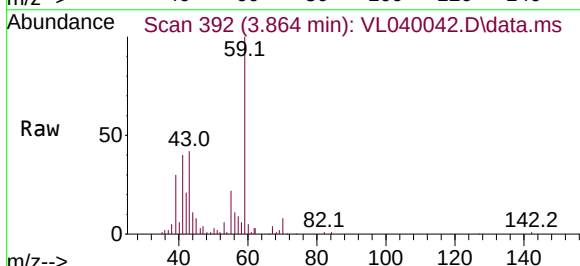
Acq: 20 Dec 2022 00:07

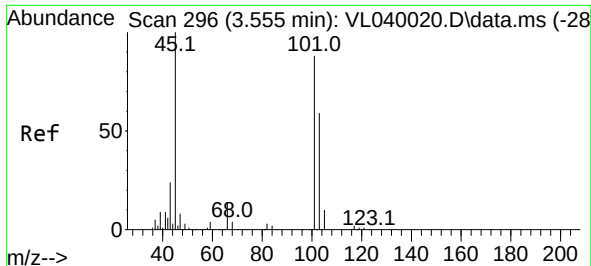
Tgt Ion: 59 Resp: 75562

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 5.689 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.000 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

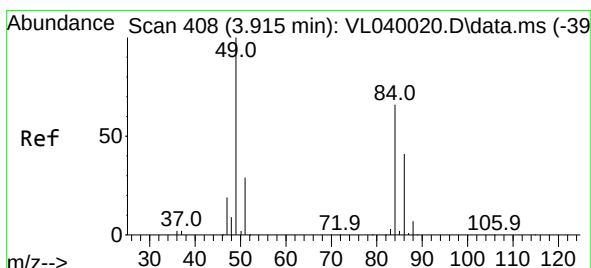
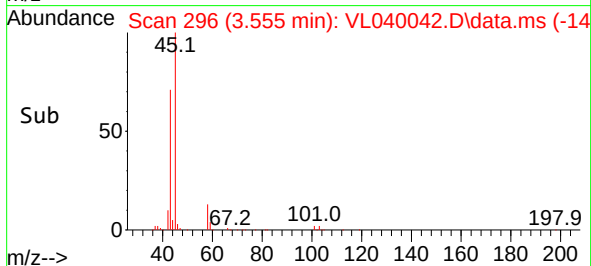
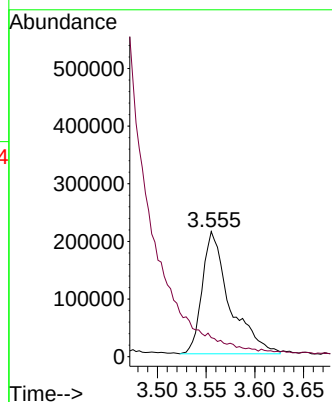
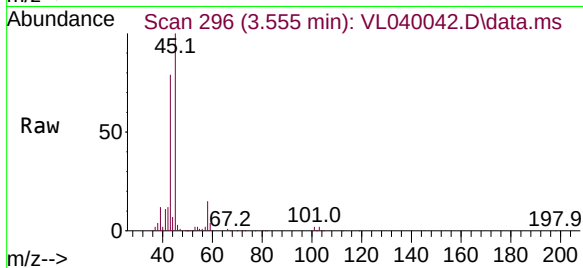
SS-2

Tgt Ion: 45 Resp: 416694

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 1.517 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Tgt Ion: 84 Resp: 95822

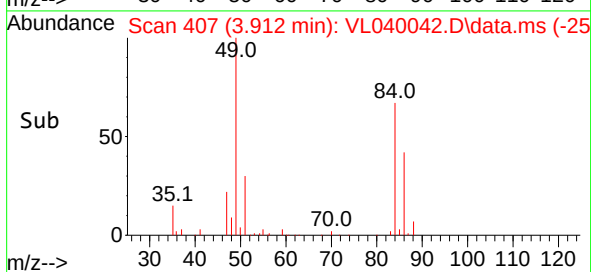
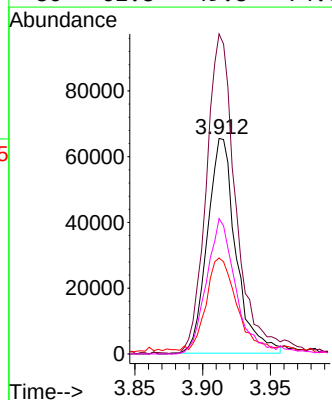
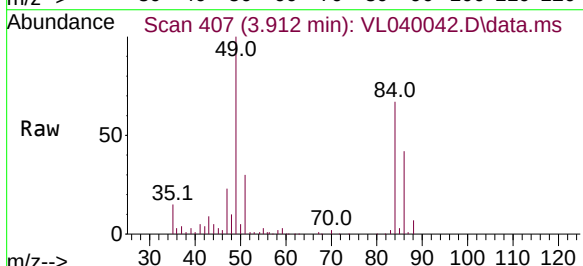
Ion Ratio Lower Upper

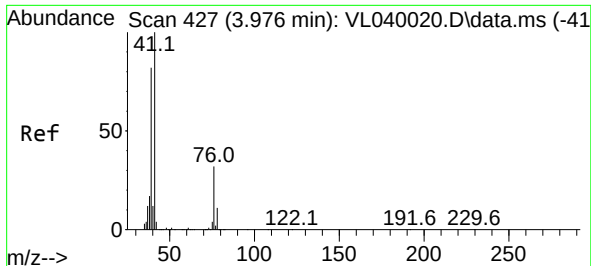
84 100

49 148.5 120.5 180.7

51 43.0 35.2 52.8

86 62.8 49.8 74.6





#21

Allyl Chloride

Concen: 0.180 ppbv

RT: 3.870 min Scan# 39

Delta R.T. -0.106 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

SS-2

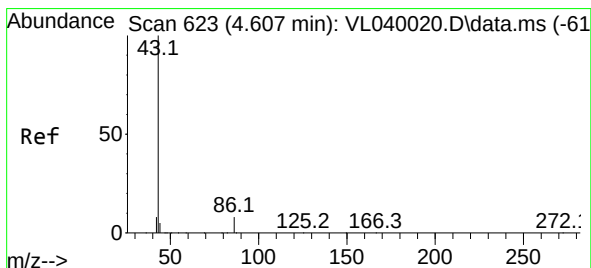
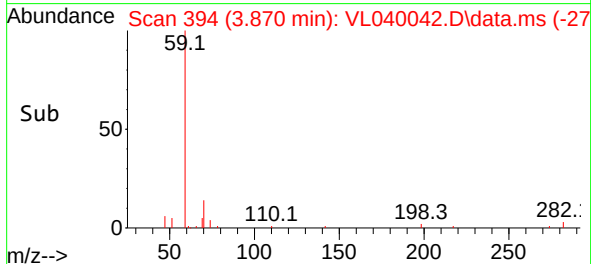
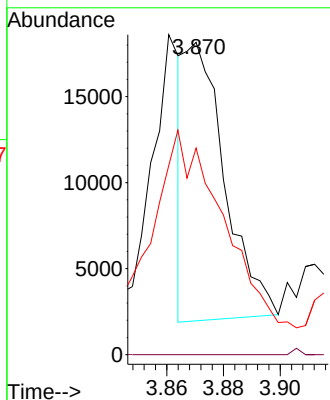
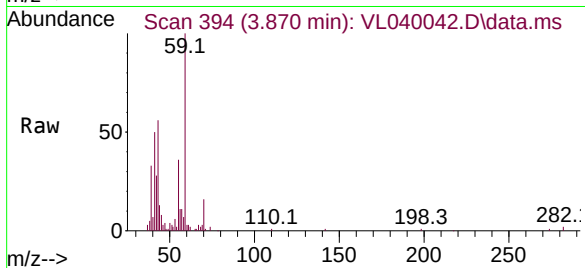
Tgt Ion: 41 Resp: 16033

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

39 56.7 66.0 99.0#



#23

Vinyl Acetate

Concen: 11.721 ppbv

RT: 4.632 min Scan# 631

Delta R.T. 0.026 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Tgt Ion: 43 Resp: 552229

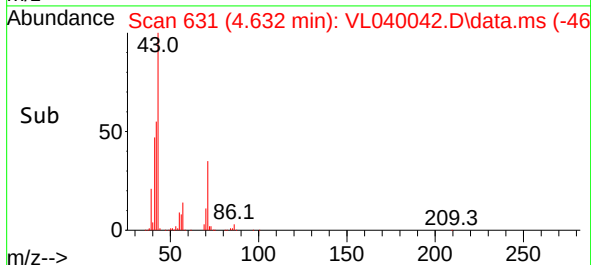
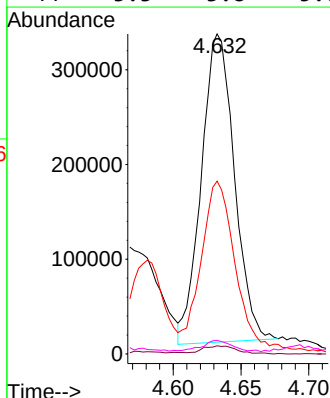
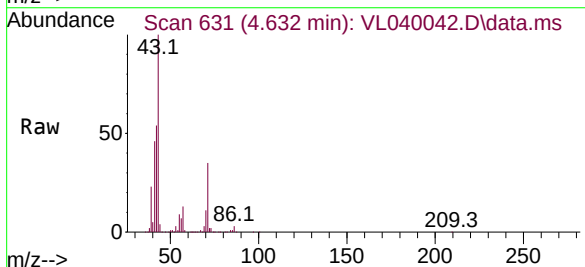
Ion Ratio Lower Upper

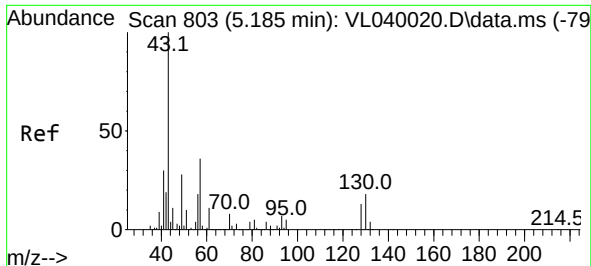
43 100

86 2.5 5.3 7.9#

42 53.5 7.4 11.0#

44 3.3 3.8 5.6#

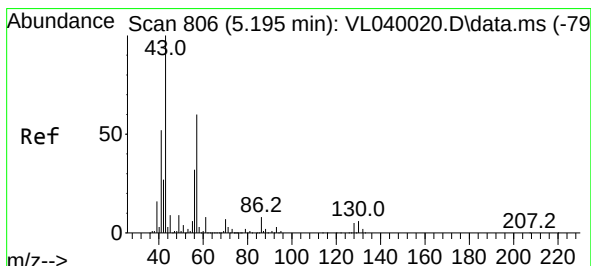
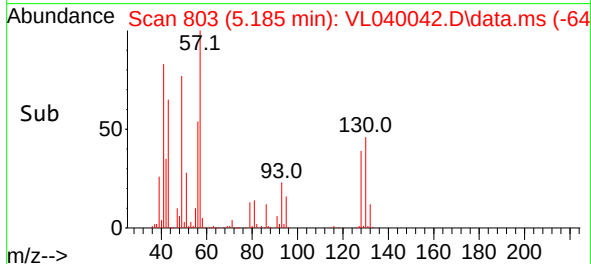
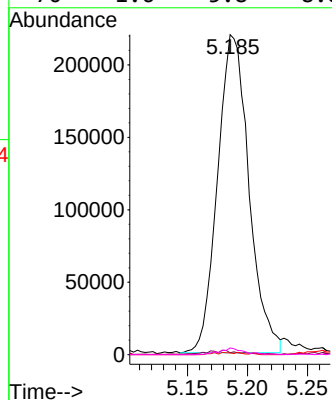
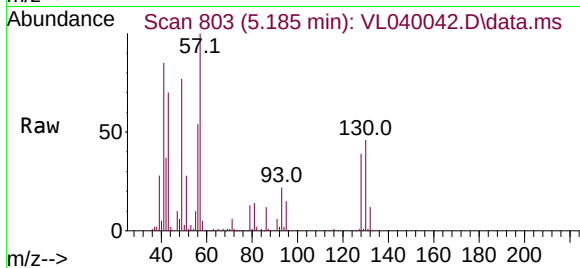




#25
Ethyl Acetate
Concen: 1.552 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.000 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

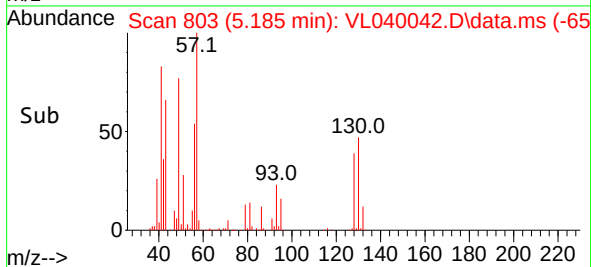
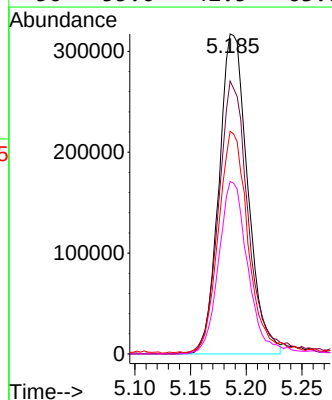
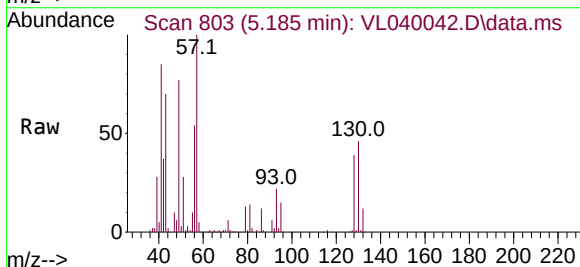
Instrument :
MSVOA_1
ClientSampleId :
SS-2

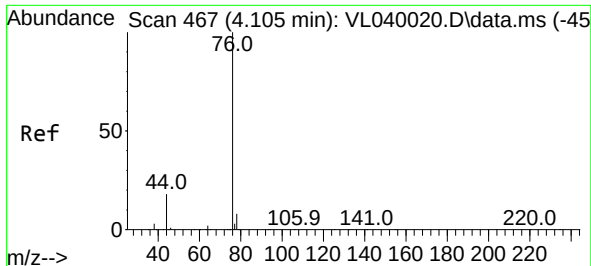
Tgt Ion: 43 Resp: 399457
Ion Ratio Lower Upper
43 100
45 1.4 8.6 12.8#
61 0.7 8.5 12.7#
70 1.6 5.8 8.8#



#26
Hexane
Concen: 5.274 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 57 Resp: 570530
Ion Ratio Lower Upper
57 100
41 89.7 72.1 108.1
43 73.3 192.1 288.1#
56 55.6 42.5 63.7





#27

Carbon Disulfide

Concen: 0.713 ppbv

RT: 4.099 min Scan# 4

Delta R.T. -0.006 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

SS-2

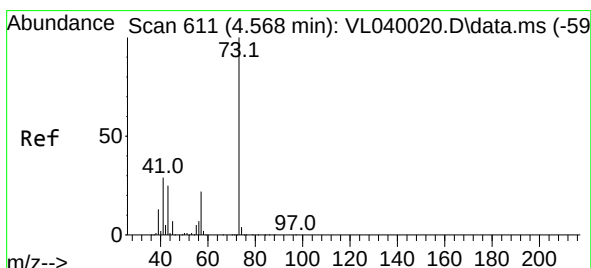
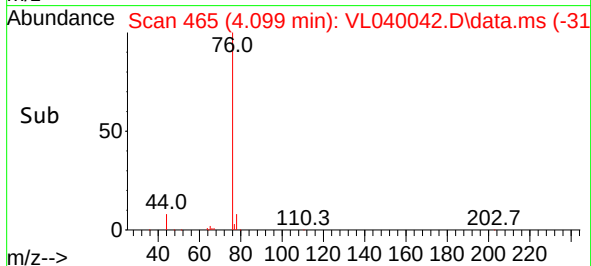
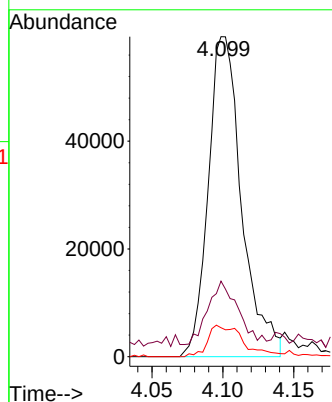
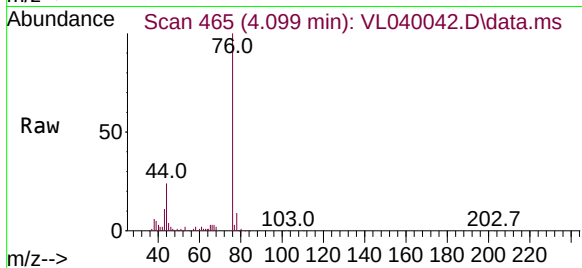
Tgt Ion: 76 Resp: 97319

Ion Ratio Lower Upper

76 100

44 19.1 15.3 22.9

78 11.3 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 5.638 ppbv

RT: 4.558 min Scan# 608

Delta R.T. -0.010 min

Lab File: VL040042.D

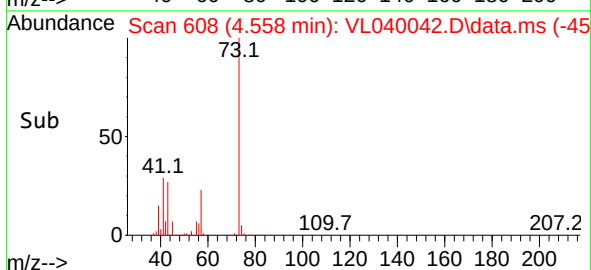
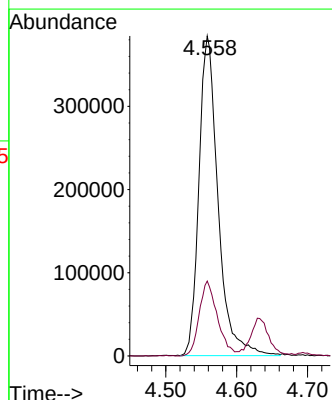
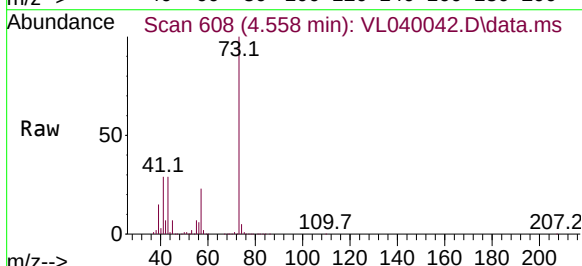
Acq: 20 Dec 2022 00:07

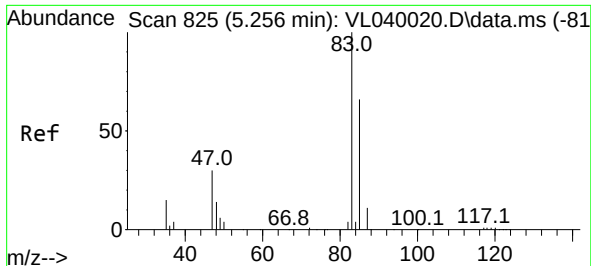
Tgt Ion: 73 Resp: 718794

Ion Ratio Lower Upper

73 100

57 22.3 18.6 28.0





#29

Chloroform

Concen: 0.114 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

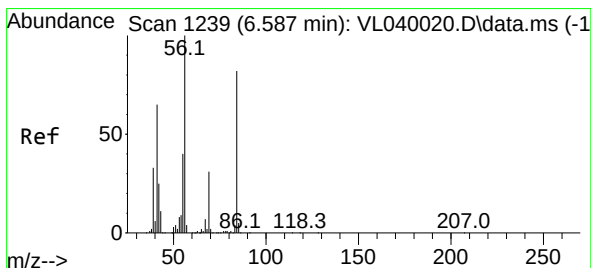
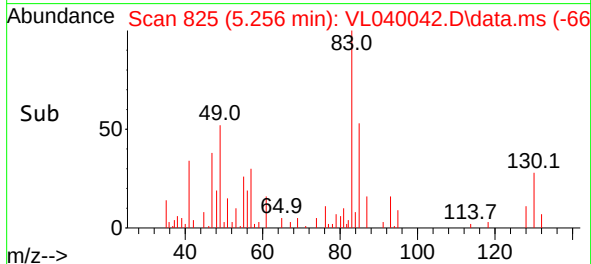
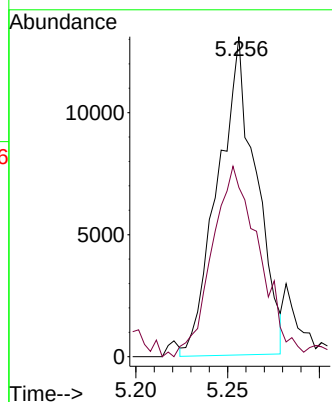
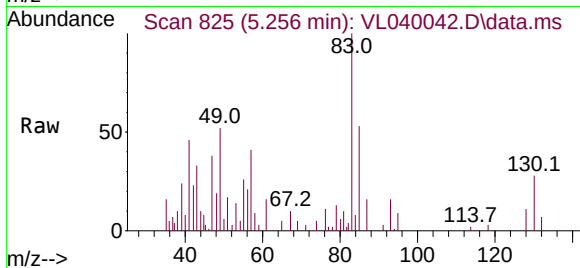
SS-2

Tgt Ion: 83 Resp: 18891

Ion Ratio Lower Upper

83 100

85 51.1 52.4 78.6#



#30

Cyclohexane

Concen: 22.268 ppbv

RT: 6.578 min Scan# 1236

Delta R.T. -0.010 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

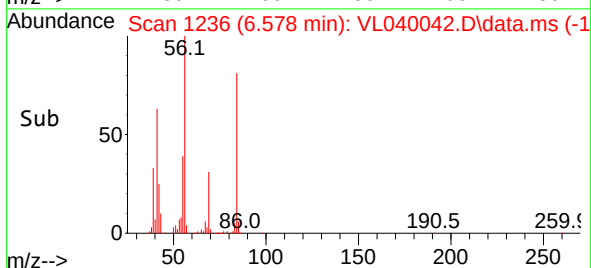
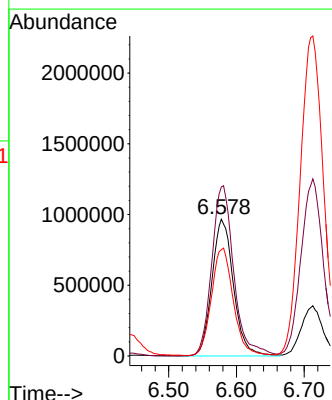
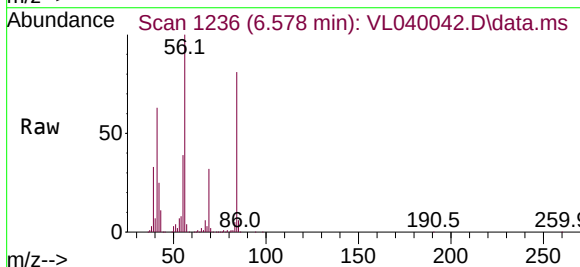
Tgt Ion: 84 Resp: 2133300

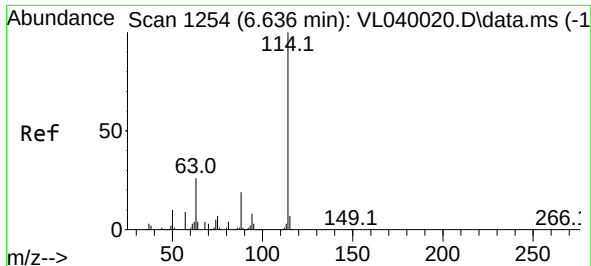
Ion Ratio Lower Upper

84 100

56 126.9 110.2 165.4

41 79.1 67.8 101.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

SS-2

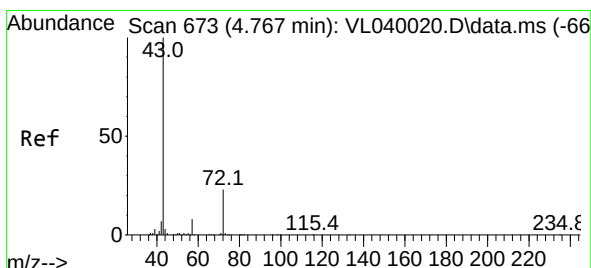
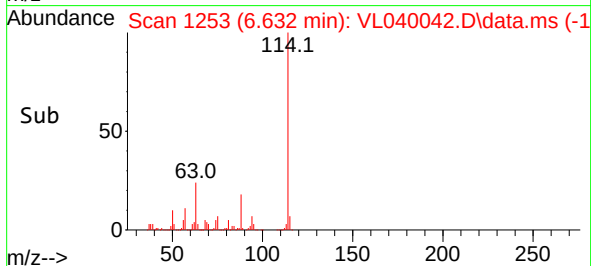
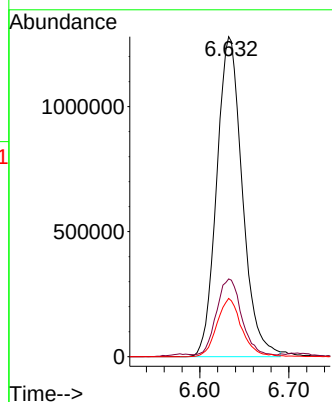
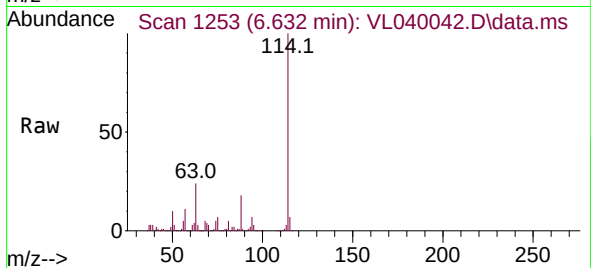
Tgt Ion:114 Resp: 2558110

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.2

88 17.7 14.6 21.8



#34

2-Butanone

Concen: 0.562 ppbv

RT: 4.764 min Scan# 672

Delta R.T. -0.003 min

Lab File: VL040042.D

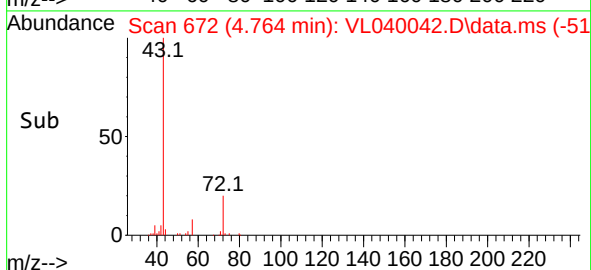
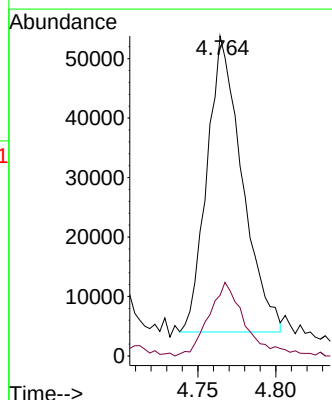
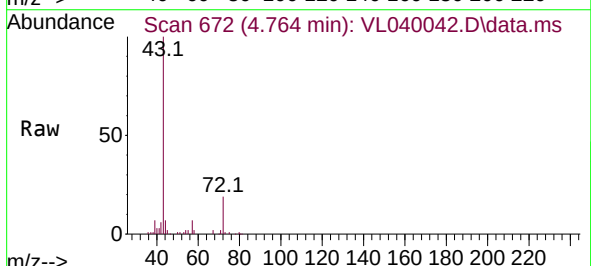
Acq: 20 Dec 2022 00:07

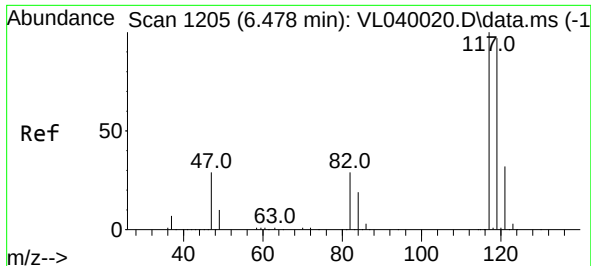
Tgt Ion: 43 Resp: 77926

Ion Ratio Lower Upper

43 100

72 26.2 18.0 27.0

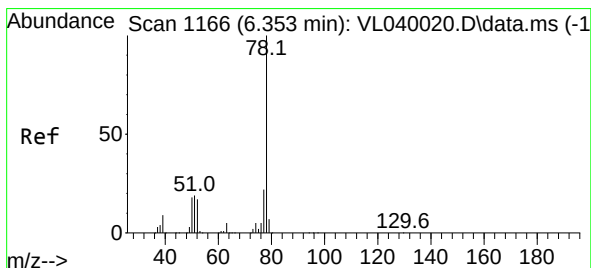
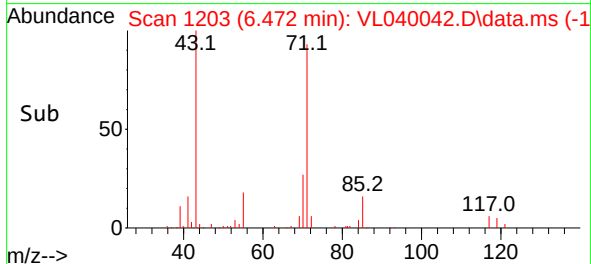
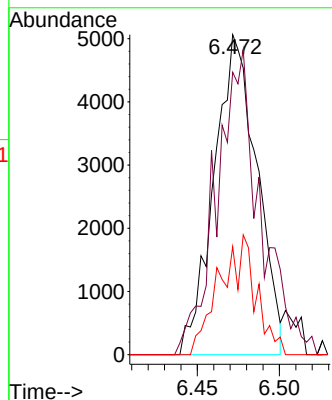
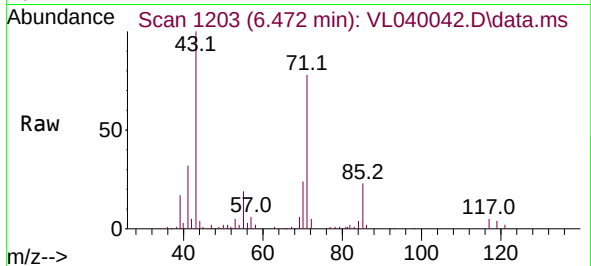




#35
Carbon Tetrachloride
Concen: 0.058 ppbv
RT: 6.472 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

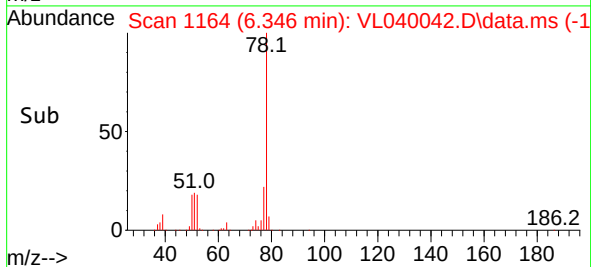
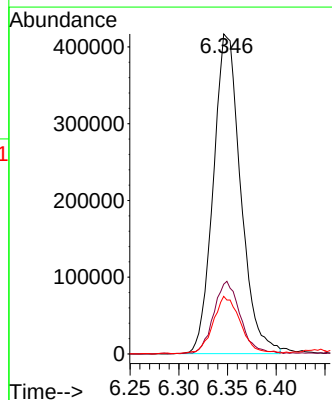
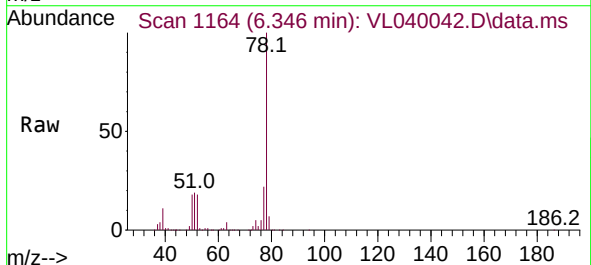
Instrument :
MSVOA_L
ClientSampleId :
SS-2

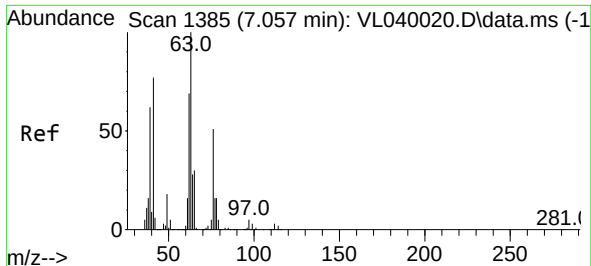
Tgt Ion:117 Resp: 9190
Ion Ratio Lower Upper
117 100
119 84.6 77.3 115.9
121 33.7 25.4 38.0



#36
Benzene
Concen: 3.571 ppbv
RT: 6.346 min Scan# 1164
Delta R.T. -0.006 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 78 Resp: 815927
Ion Ratio Lower Upper
78 100
77 21.7 17.5 26.3
50 17.9 14.2 21.2





#39

1,2-Dichloropropane

Concen: 0.088 ppbv

RT: 6.957 min Scan# 1

Delta R.T. -0.100 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

SS-2

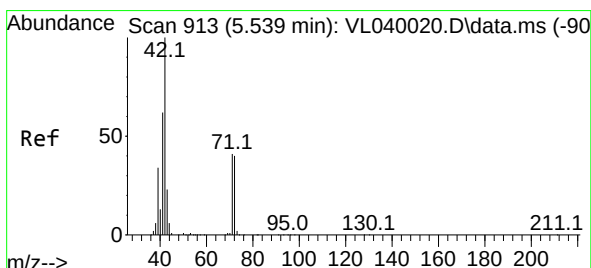
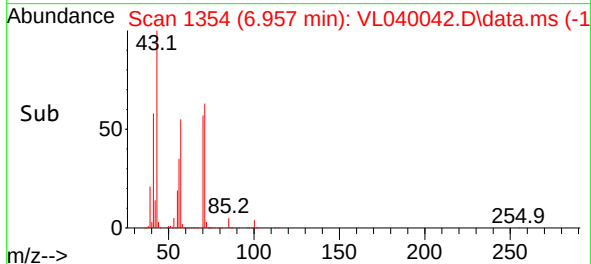
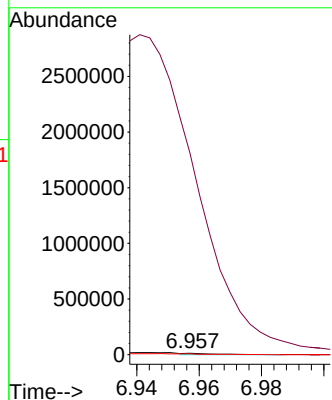
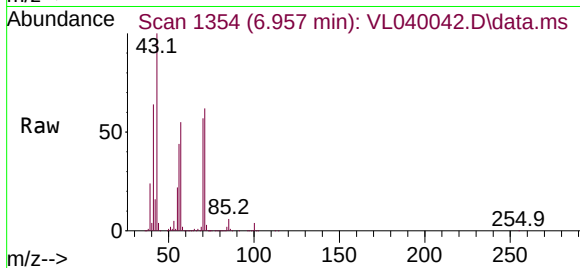
Tgt Ion: 63 Resp: 7562

Ion Ratio Lower Upper

63 100

41 13107.2 61.4 92.0#

62 58.1 55.4 83.2



#41

Tetrahydrofuran

Concen: 0.054 ppbv

RT: 5.542 min Scan# 914

Delta R.T. 0.003 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

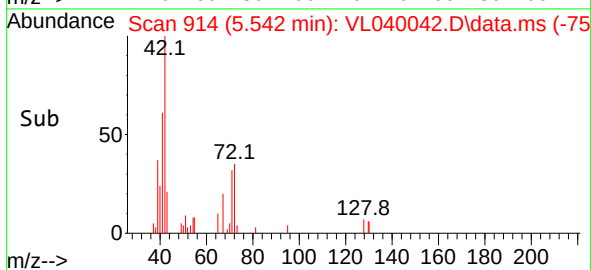
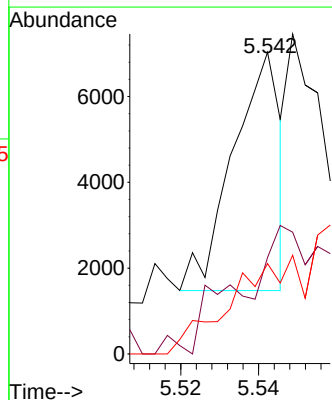
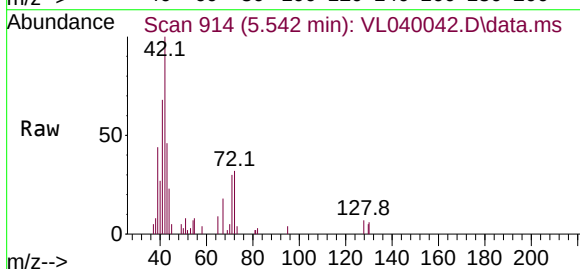
Tgt Ion: 42 Resp: 4681

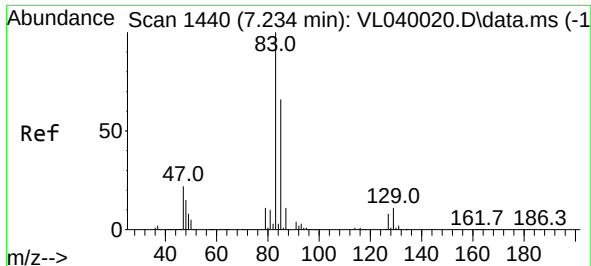
Ion Ratio Lower Upper

42 100

72 129.1 32.9 49.3#

71 126.1 32.2 48.2#

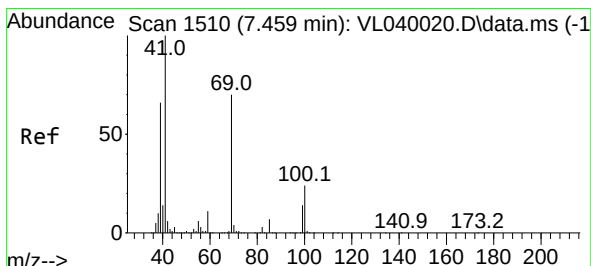
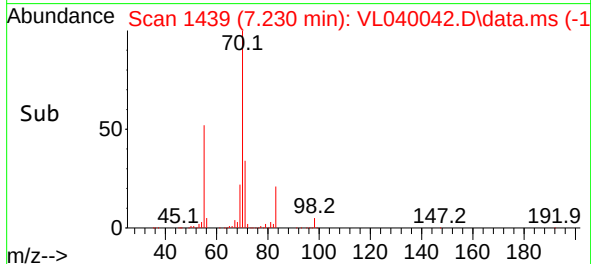
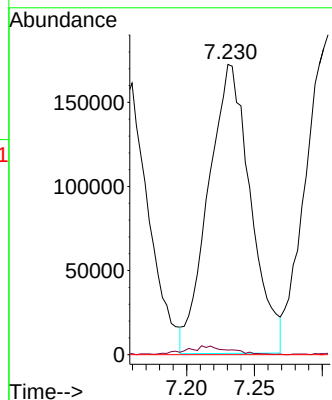
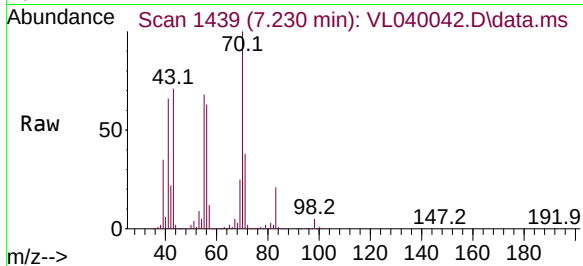




#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 7.230 min Scan# 1440
Delta R.T. -0.003 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

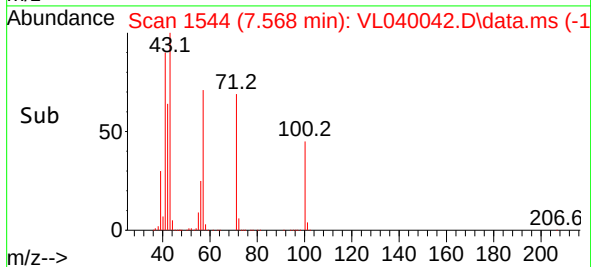
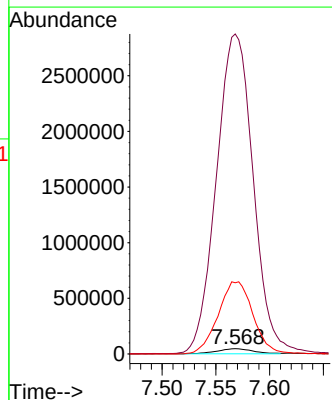
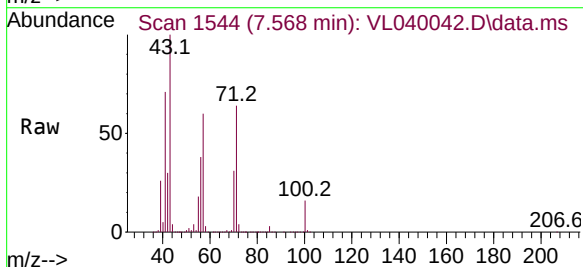
Instrument :
MSVOA_L
ClientSampleId :
SS-2

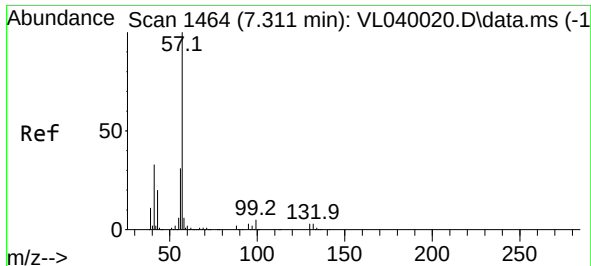
Tgt Ion: 83 Resp: 372433
Ion Ratio Lower Upper
83 100
85 1.5 53.0 79.6#
127 0.0 6.2 9.2#



#43
Methyl Methacrylate
Concen: 1.282 ppbv
RT: 7.568 min Scan# 1544
Delta R.T. 0.109 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 69 Resp: 109947
Ion Ratio Lower Upper
69 100
41 6266.6 115.7 173.5#
100 1340.7 26.0 39.0#

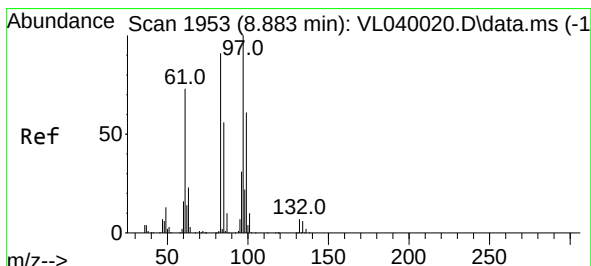
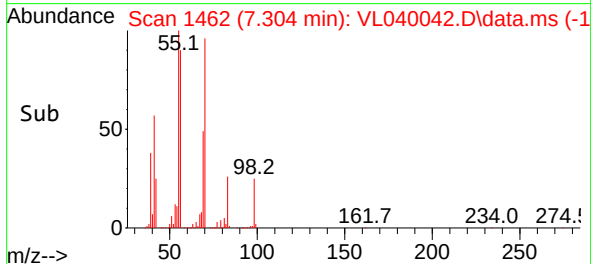
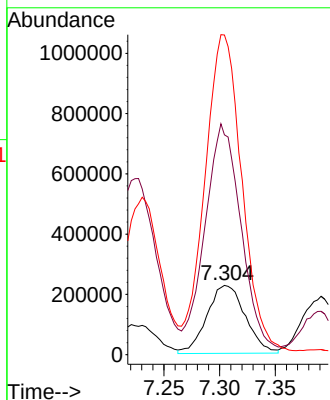
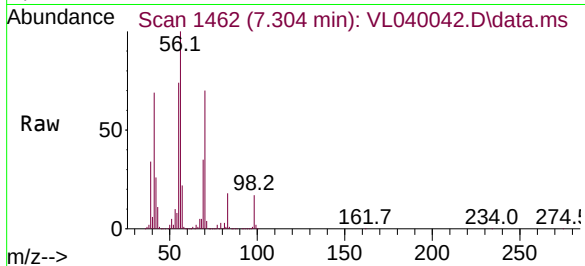




#44
2,2,4-Trimethylpentane
Concen: 1.437 ppbv
RT: 7.304 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

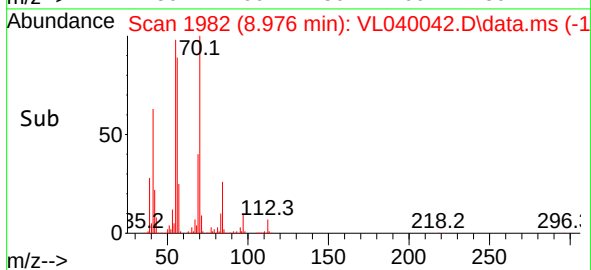
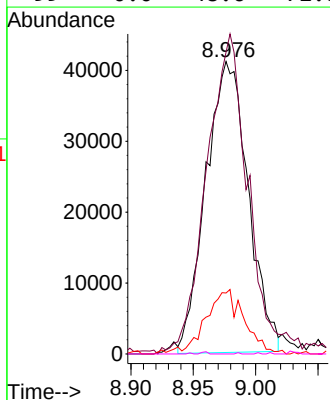
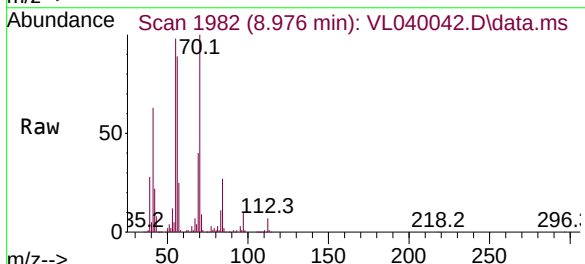
Instrument :
MSVOA_1
ClientSampleId :
SS-2

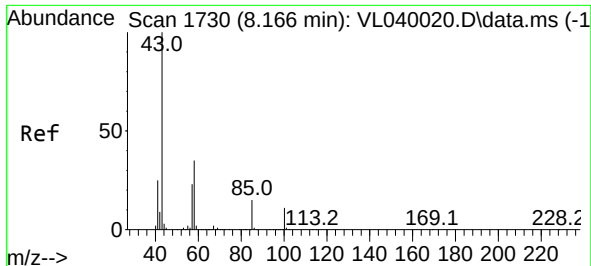
Tgt Ion: 57 Resp: 540605
Ion Ratio Lower Upper
57 100
41 320.9 26.2 39.4#
56 440.2 25.1 37.7#



#47
1,1,2-Trichloroethane
Concen: 1.035 ppbv
RT: 8.976 min Scan# 1982
Delta R.T. 0.093 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 97 Resp: 97051
Ion Ratio Lower Upper
97 100
83 101.5 72.5 108.7
85 20.5 45.0 67.6#
99 0.0 48.6 72.8#

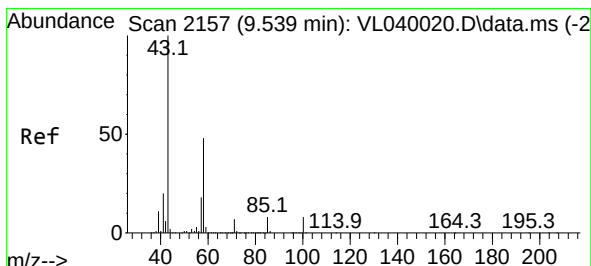
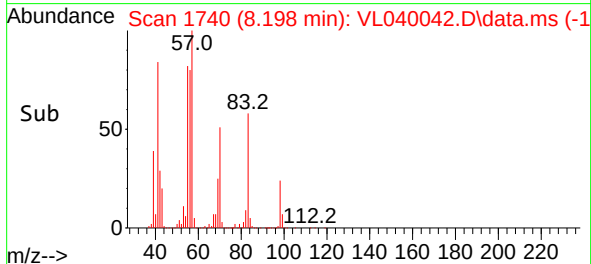
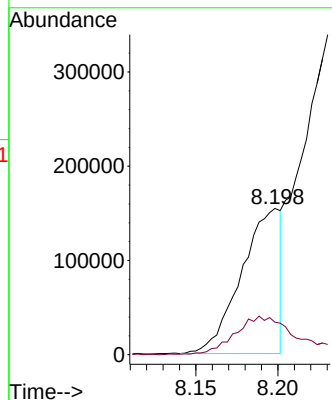
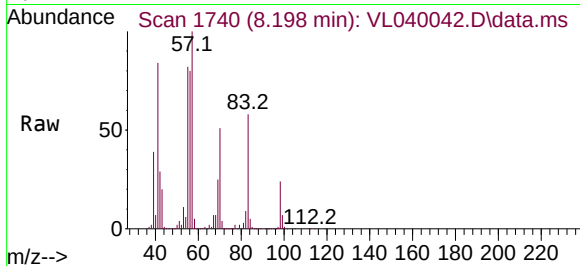




#50
4-Methyl-2-Pentanone
Concen: 1.134 ppbv
RT: 8.198 min Scan# 11
Delta R.T. 0.032 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

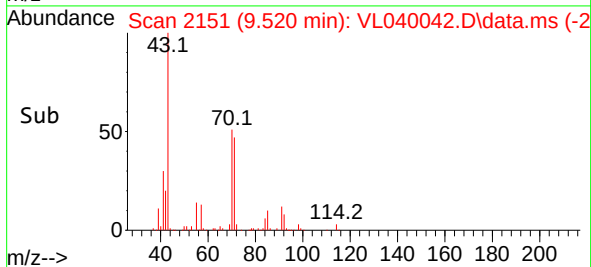
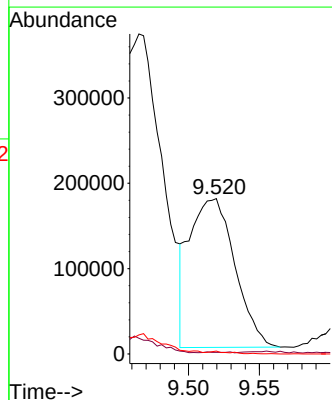
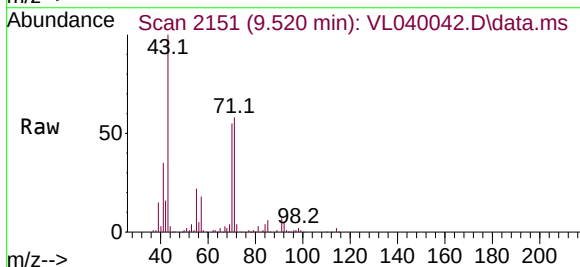
Instrument :
MSVOA_L
ClientSampleId :
SS-2

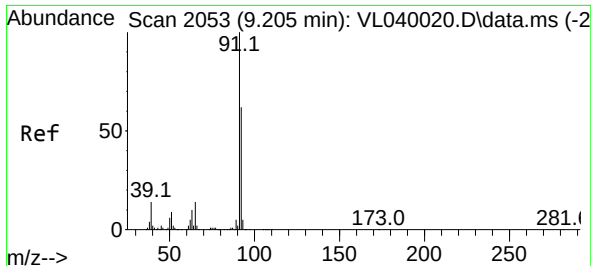
Tgt Ion: 43 Resp: 257037
Ion Ratio Lower Upper
43 100
58 45.9 29.0 43.4#



#51
2-Hexanone
Concen: 2.191 ppbv
RT: 9.520 min Scan# 2151
Delta R.T. -0.019 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 43 Resp: 386437
Ion Ratio Lower Upper
43 100
58 2.2 39.4 59.2#
98 0.0 0.2 0.4#

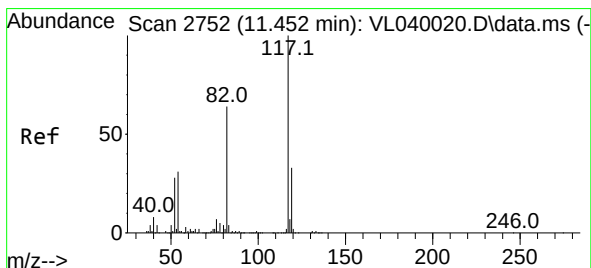
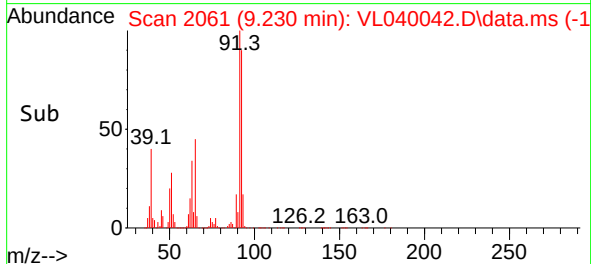
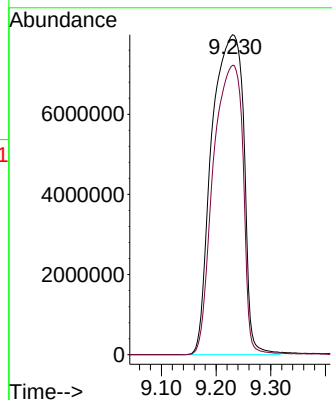
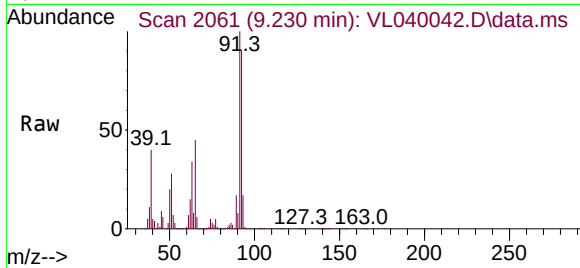




#53
Toluene
Concen: 127.687 ppbv
RT: 9.230 min Scan# 2053
Delta R.T. 0.026 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

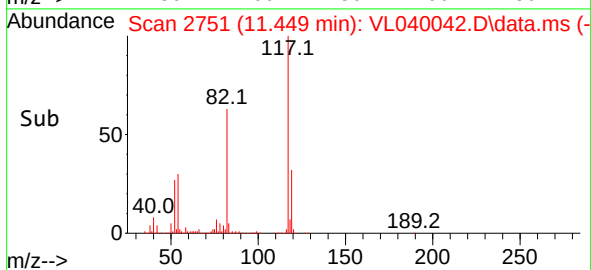
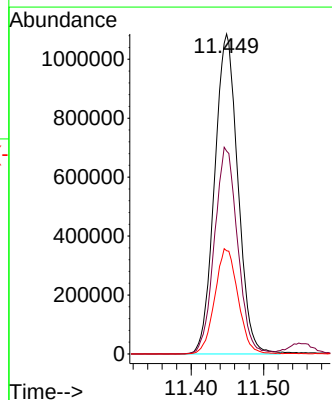
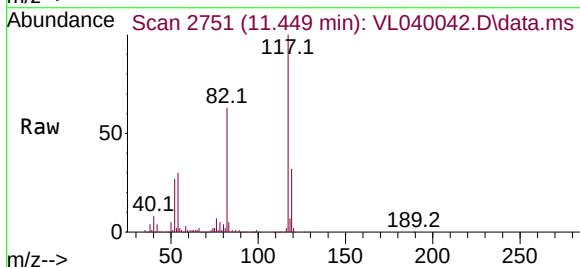
Instrument :
MSVOA_L
ClientSampleId :
SS-2

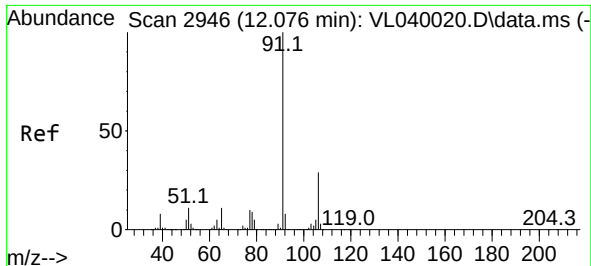
Tgt Ion: 91 Resp: 32298277
Ion Ratio Lower Upper
91 100
92 84.4 48.7 73.1#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.003 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 117 Resp: 2420641
Ion Ratio Lower Upper
117 100
82 64.4 51.2 76.8
119 33.0 23.2 34.8





#58

Ethyl Benzene

Concen: 4.356 ppbv

RT: 12.073 min Scan# 2946

Delta R.T. -0.003 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

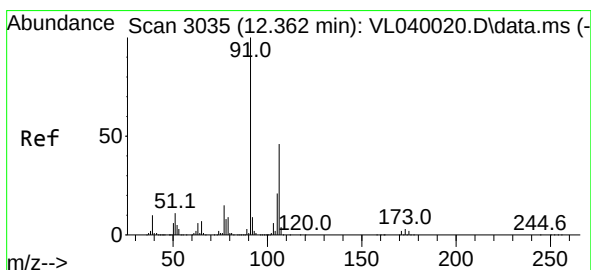
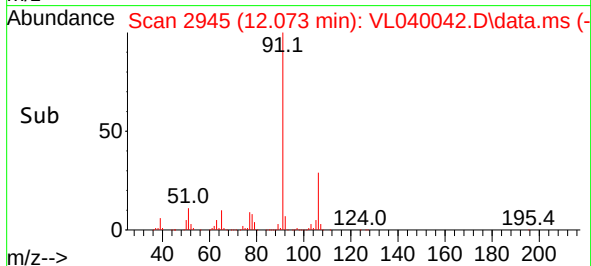
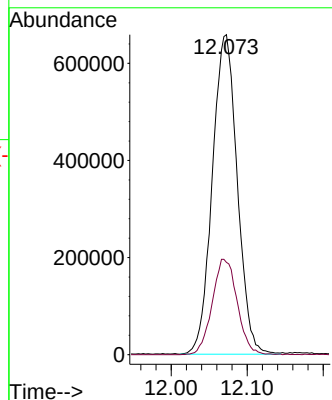
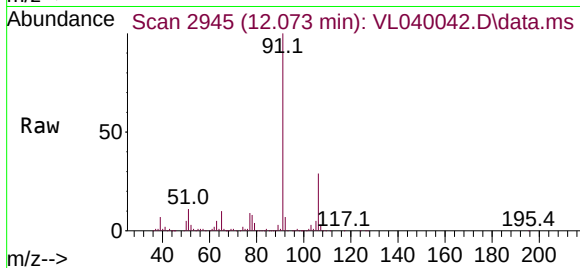
SS-2

Tgt Ion: 91 Resp: 1498057

Ion Ratio Lower Upper

91 100

106 28.9 23.5 35.3



#59

m/p-Xylene

Concen: 14.062 ppbv

RT: 12.323 min Scan# 3023

Delta R.T. -0.039 min

Lab File: VL040042.D

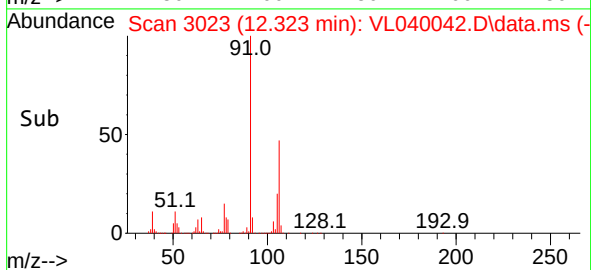
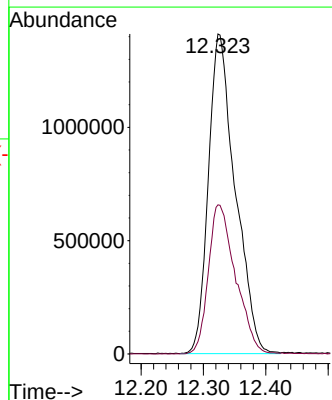
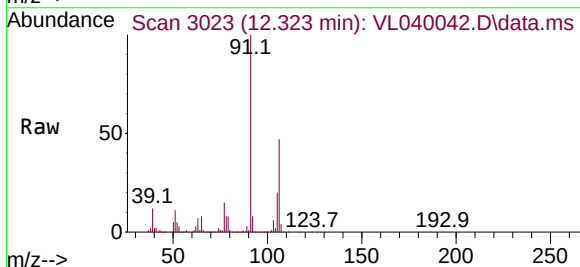
Acq: 20 Dec 2022 00:07

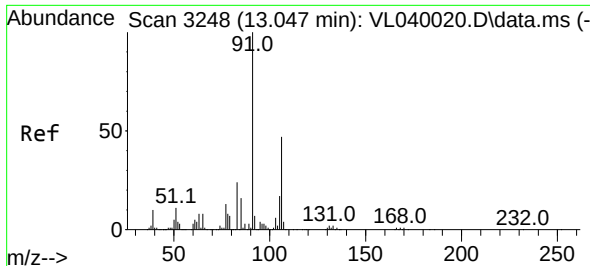
Tgt Ion: 91 Resp: 4213175

Ion Ratio Lower Upper

91 100

106 47.5 35.5 53.3

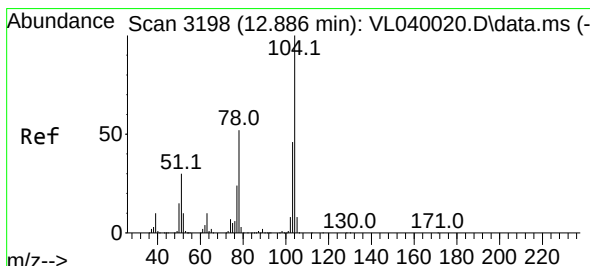
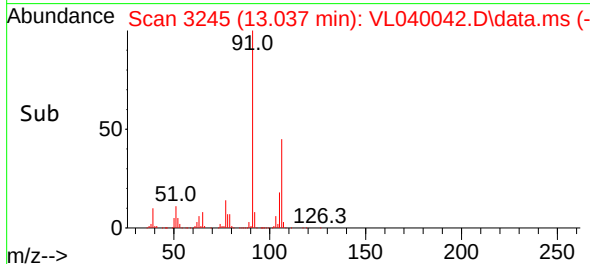
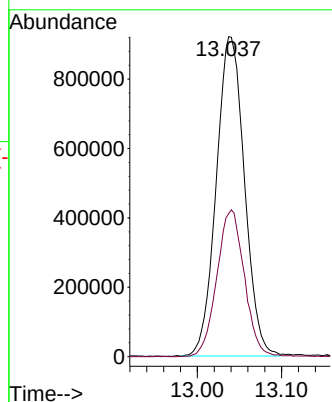
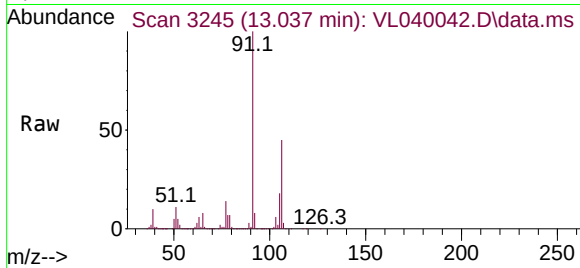




#60
o-Xylene
Concen: 7.452 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

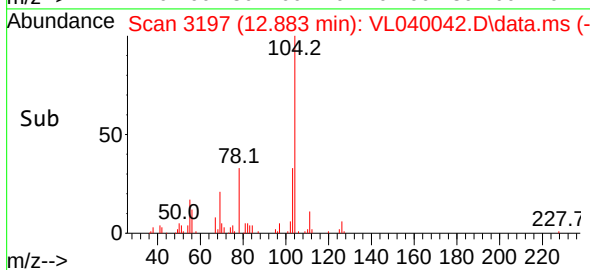
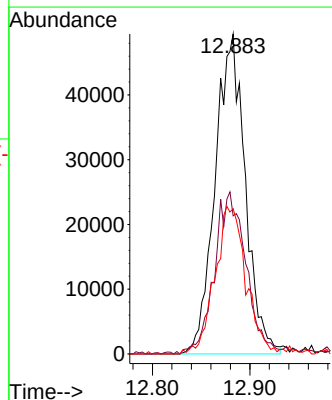
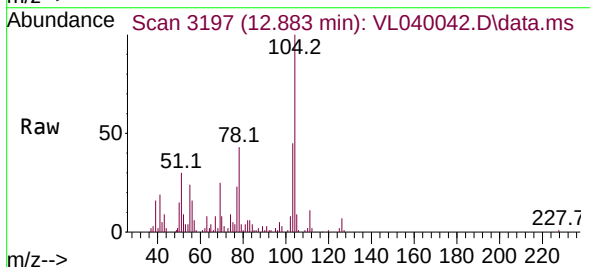
Instrument :
MSVOA_L
ClientSampleId :
SS-2

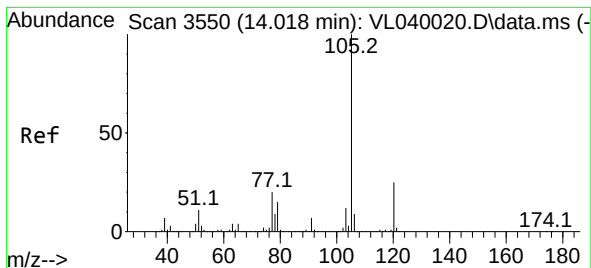
Tgt Ion: 91 Resp: 2138975
Ion Ratio Lower Upper
91 100
106 45.1 22.4 67.0



#61
Styrene
Concen: 0.687 ppbv
RT: 12.883 min Scan# 3197
Delta R.T. -0.003 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion:104 Resp: 105832
Ion Ratio Lower Upper
104 100
78 54.1 42.4 63.6
103 47.6 37.2 55.8





#62

Isopropylbenzene

Concen: 0.470 ppbv

RT: 14.011 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040042.D

Acq: 20 Dec 2022 00:07

Instrument :

MSVOA_L

ClientSampleId :

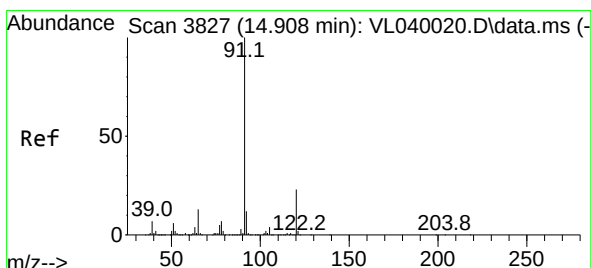
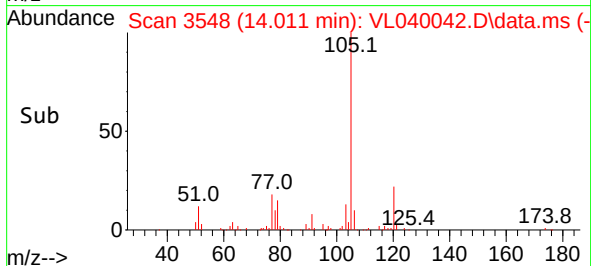
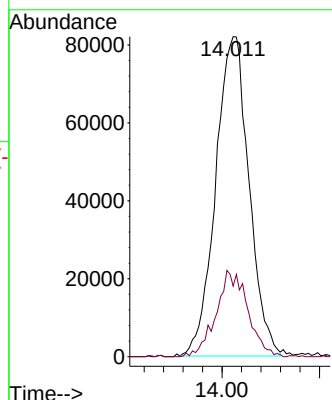
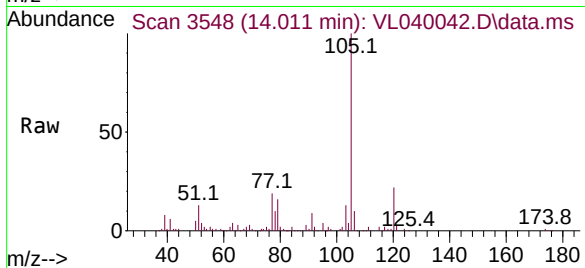
SS-2

Tgt Ion:105 Resp: 194608

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0



#64

n-propylbenzene

Concen: 0.322 ppbv

RT: 14.899 min Scan# 3824

Delta R.T. -0.010 min

Lab File: VL040042.D

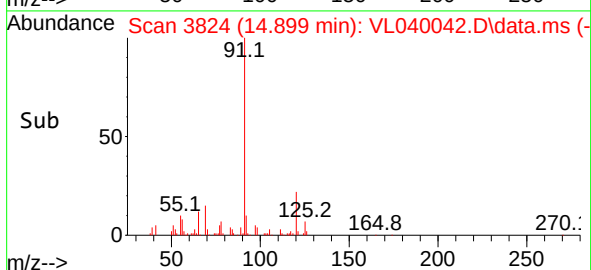
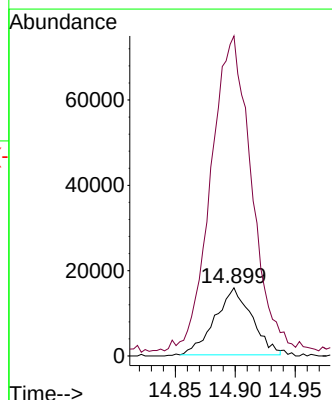
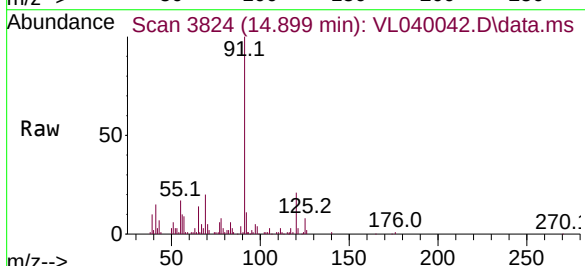
Acq: 20 Dec 2022 00:07

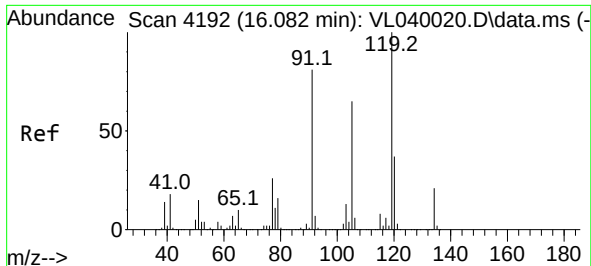
Tgt Ion:120 Resp: 33619

Ion Ratio Lower Upper

120 100

91 527.0 384.3 576.5

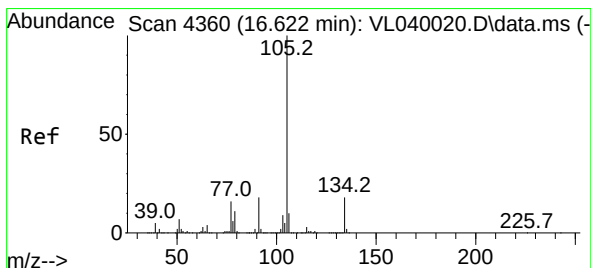
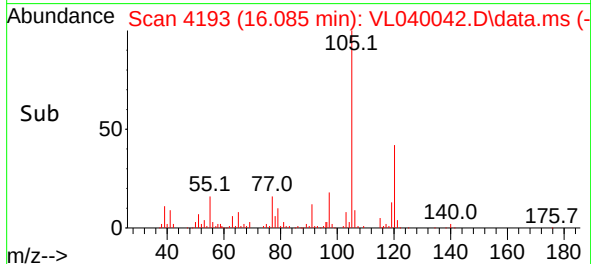
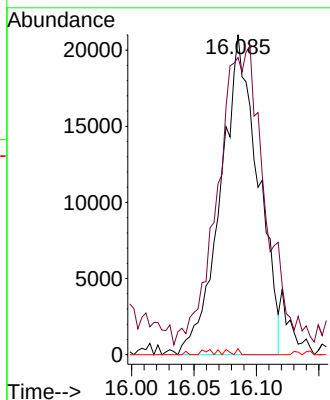
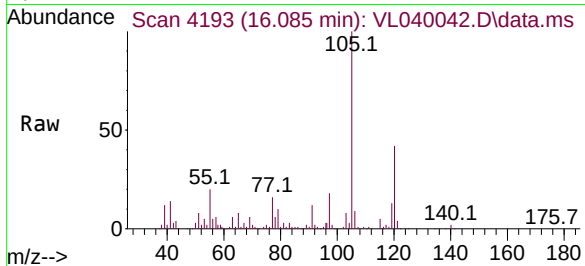




#65
tert-Butylbenzene
Concen: 0.122 ppbv
RT: 16.085 min Scan# 4192
Delta R.T. 0.003 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

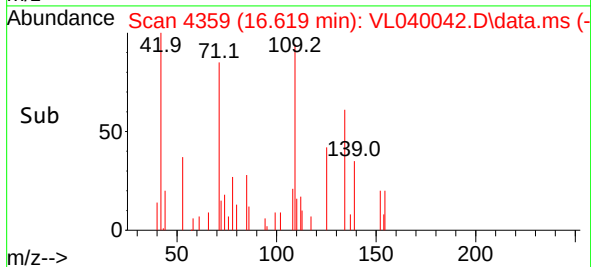
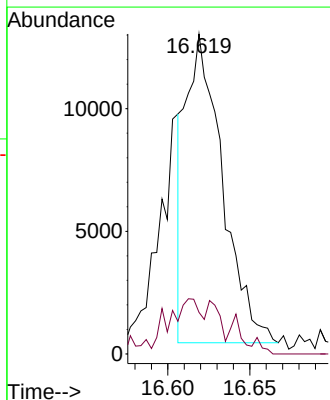
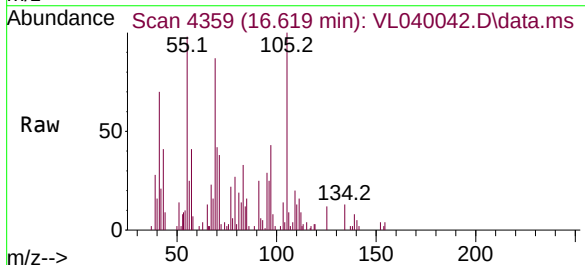
Instrument :
MSVOA_L
ClientSampleId :
SS-2

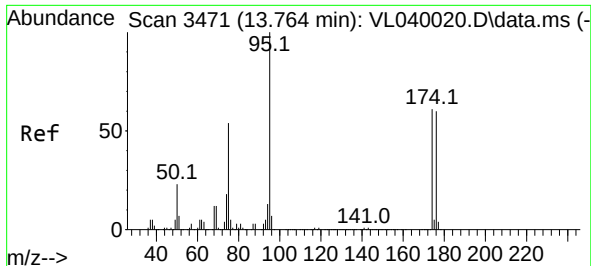
Tgt Ion:119 Resp: 43745
Ion Ratio Lower Upper
119 100
91 113.4 66.9 100.3#
134 1.0 15.8 23.6#



#67
sec-Butylbenzene
Concen: 0.039 ppbv
RT: 16.619 min Scan# 4359
Delta R.T. -0.003 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion:105 Resp: 19653
Ion Ratio Lower Upper
105 100
134 29.1 14.2 21.4#

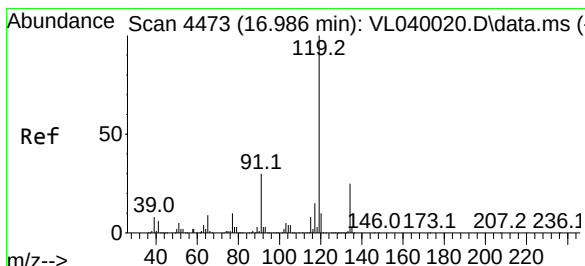
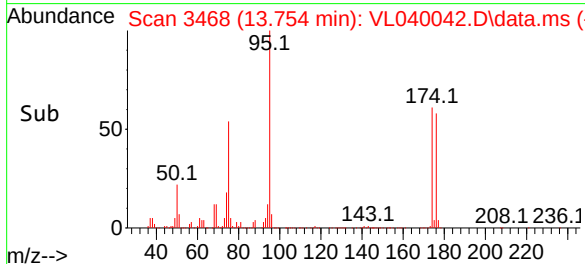
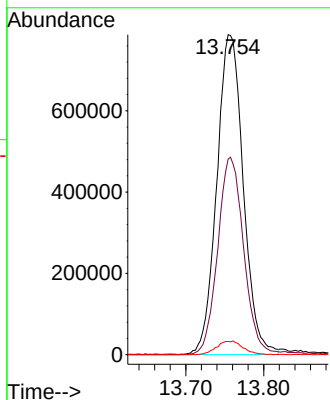
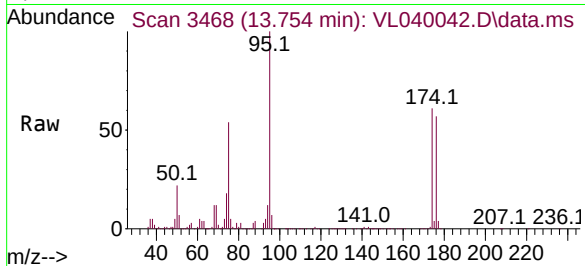




#68
1-Bromo-4-Fluorobenzene
Concen: 10.046 ppbv
RT: 13.754 min Scan# 3471
Delta R.T. -0.010 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

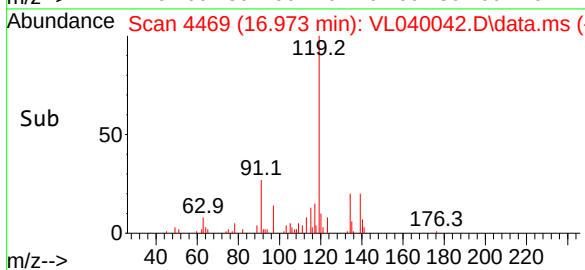
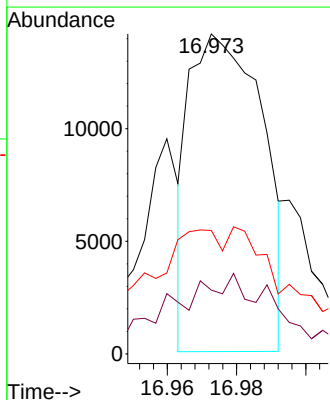
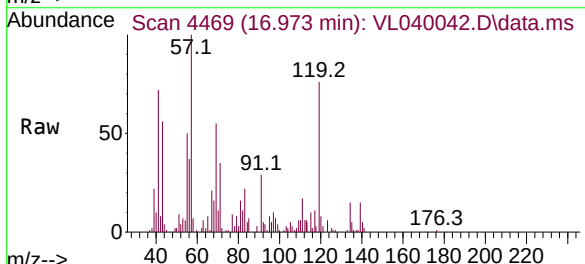
Instrument :
MSVOA_L
ClientSampleId :
SS-2

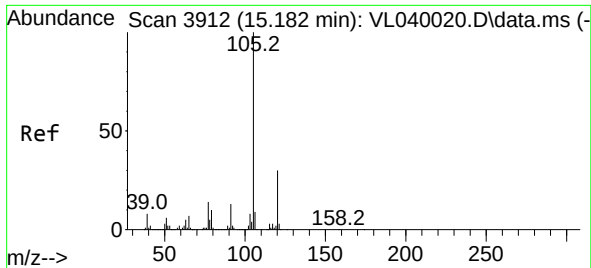
Tgt Ion: 95 Resp: 1857532
Ion Ratio Lower Upper
95 100
174 61.3 48.6 73.0
175 4.3 3.4 5.2



#69
p-Isopropyltoluene
Concen: 0.051 ppbv
RT: 16.973 min Scan# 4469
Delta R.T. -0.013 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

Tgt Ion: 119 Resp: 20623
Ion Ratio Lower Upper
119 100
134 39.3 20.2 30.4#
91 73.4 24.2 36.4#

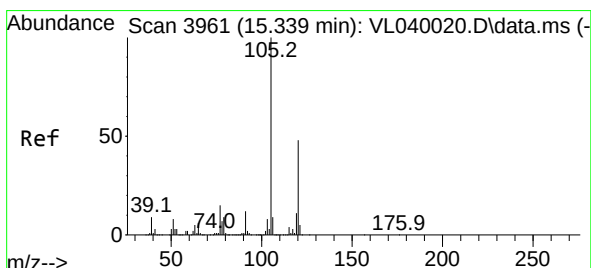
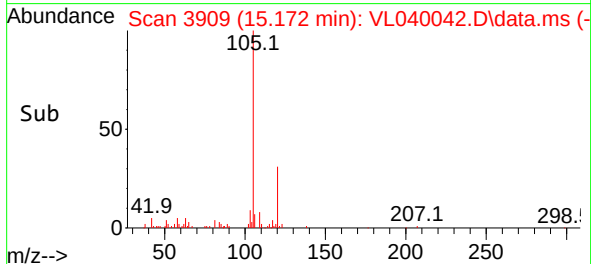
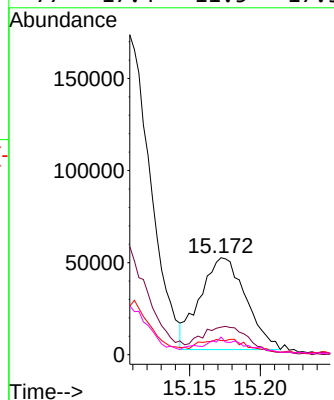
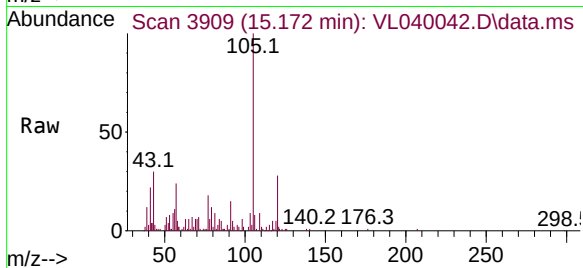




#72
4-Ethyltoluene
Concen: 0.352 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. -0.010 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

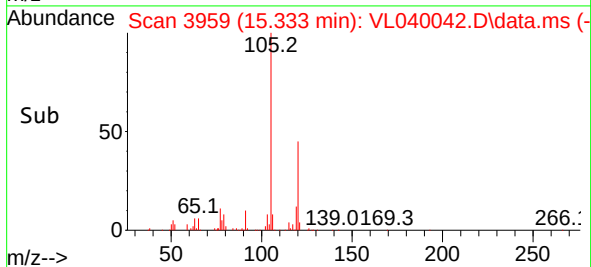
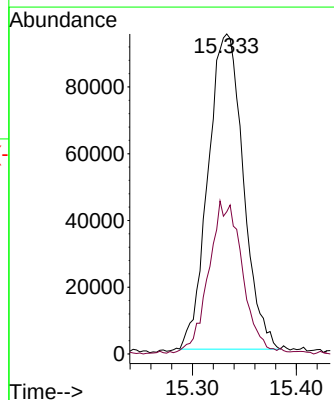
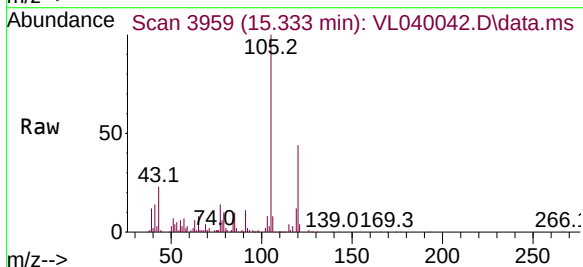
Instrument :
MSVOA_L
ClientSampleId :
SS-2

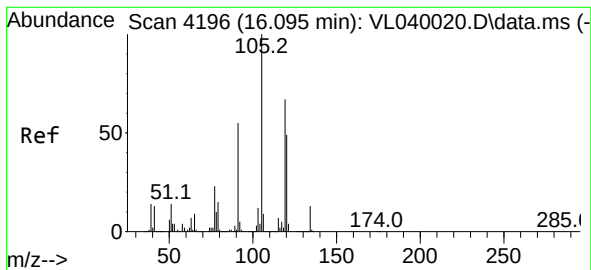
Tgt Ion:105 Resp: 112152
Ion Ratio Lower Upper
105 100
120 32.7 23.5 35.3
91 15.0 10.5 15.7
77 17.4 11.5 17.3#



#73
1,3,5-Trimethylbenzene
Concen: 0.773 ppbv
RT: 15.333 min Scan# 3959
Delta R.T. -0.006 min
Lab File: VL040042.D
Acq: 20 Dec 2022 00:07

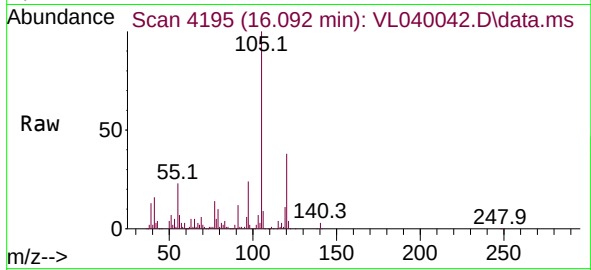
Tgt Ion:105 Resp: 222153
Ion Ratio Lower Upper
105 100
120 43.5 38.4 57.6





#74
 1,2,4-Trimethylbenzene
 Concen: 1.240 ppbv
 RT: 16.092 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040042.D
 Acq: 20 Dec 2022 00:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2



Tgt Ion:	105	Resp:	392964
Ion	Ratio	Lower	Upper
105	100		
120	37.7	39.3	58.9#
91	11.2	44.2	66.4#
77	13.7	18.8	28.2#

