

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042563.D
 Acq On : 21 May 2025 13:40
 Operator : SY/MD
 Sample : QC051225 CAN 10401
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051225 CAN 10401

Quant Time: May 21 22:55:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	106729	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	327503	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	278236	10.000	ppbv	0.00

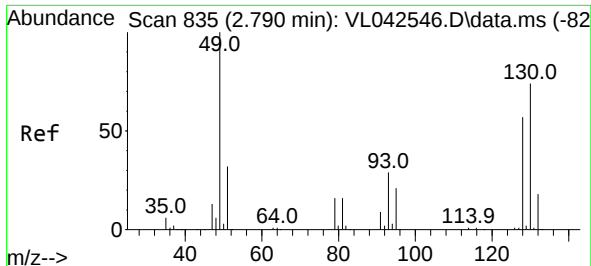
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	221132	9.930	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds					Qvalue	
4) Chloromethane	1.538	50	127	0.020	ppbv #	41
5) Vinyl Chloride	1.531	62	35	0.005	ppbv #	43
6) Bromomethane	1.651	94	42	0.010	ppbv #	3
7) Chloroethane	1.781	64	22	0.008	ppbv #	44
9) Propene	1.489	41	94	0.016	ppbv #	15
16) 1,3-Butadiene	1.616	39	38	0.006	ppbv #	11
17) tert-Butyl alcohol	2.049	59	392	0.023	ppbv	98
18) 1,1-Dichloroethene	2.069	96	24	0.003	ppbv #	1
21) Allyl Chloride	2.101	41	52	0.005	ppbv #	19
22) trans-1,2-Dichloroethene	2.266	96	28	0.003	ppbv #	1
23) Vinyl Acetate	2.470	43	162	0.010	ppbv #	1
24) 1,1-Dichloroethane	2.341	63	25	0.002	ppbv #	86
25) Ethyl Acetate	2.858	43	13	0.000	ppbv #	74
26) Hexane	2.480	57	25	0.002	ppbv #	1
27) Carbon Disulfide	2.415	76	22	0.001	ppbv #	1
29) Chloroform	2.855	83	37	0.002	ppbv #	18
31) cis-1,2-Dichloroethene	2.434	61	28	0.002	ppbv #	23
34) 2-Butanone	2.567	43	456	0.026	ppbv #	49
36) Benzene	3.325	78	27	0.001	ppbv #	56
41) Tetrahydrofuran	2.820	42	26	0.003	ppbv #	33
42) Bromodichloromethane	4.182	83	43	0.002	ppbv #	25
44) 2,2,4-Trimethylpentane	4.231	57	26	0.001	ppbv #	43
50) 4-Methyl-2-Pentanone	5.522	43	47	0.002	ppbv #	37
53) Toluene	6.950	91	49	0.002	ppbv #	21
57) Chlorobenzene	8.927	112	24	0.001	ppbv #	65
58) Ethyl Benzene	9.532	91	75	0.002	ppbv #	44
59) m/p-Xylene	9.558	91	69	0.002	ppbv #	1
60) o-Xylene	9.966	91	96	0.003	ppbv #	33
62) Isopropylbenzene	10.390	105	87	0.002	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	10.387	83	168	0.008	ppbv #	1
64) n-propylbenzene	11.096	120	189	0.016	ppbv #	1
65) tert-Butylbenzene	11.542	119	70	0.002	ppbv #	20
67) sec-Butylbenzene	11.782	105	103	0.002	ppbv #	1
69) p-Isopropyltoluene	11.928	119	33	0.001	ppbv #	48
70) n-Butylbenzene	11.889	91	50	0.001	ppbv #	32
71) 2-Chlorotoluene	10.992	91	109	0.003	ppbv #	44
72) 4-Ethyltoluene	11.135	105	174	0.005	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.209	105	716	0.022	ppbv #	76

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

Quant Time: May 21 22:55:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed May 21 00:21:29 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.794 min Scan# 81

Delta R.T. 0.004 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

QC051225 CAN 10401

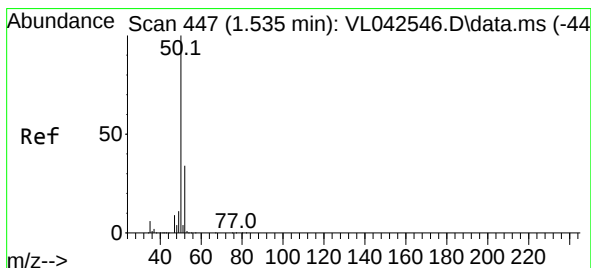
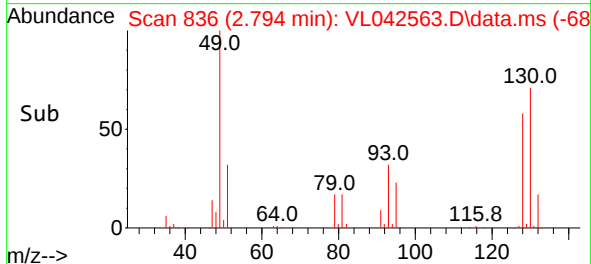
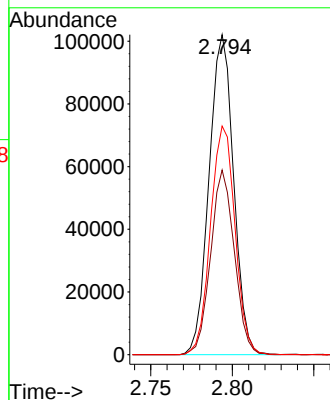
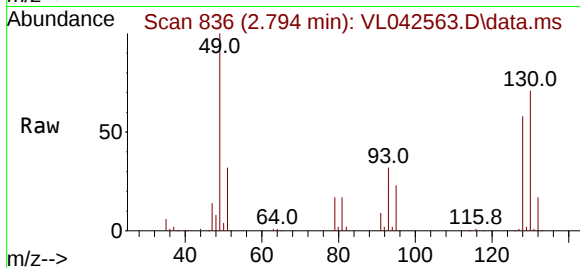
Tgt Ion: 49 Resp: 106729

Ion Ratio Lower Upper

49 100

128 55.8 28.6 85.8

130 71.6 36.6 109.8



#4

Chloromethane

Concen: 0.020 ppbv

RT: 1.538 min Scan# 448

Delta R.T. 0.003 min

Lab File: VL042563.D

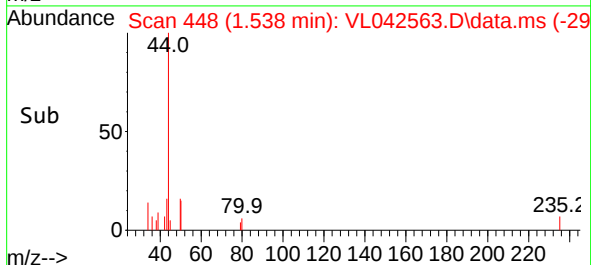
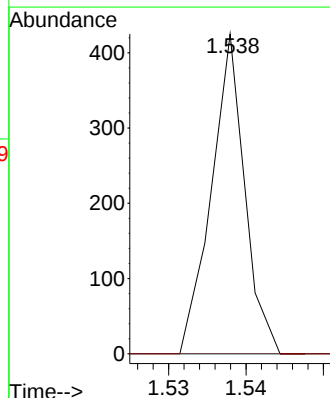
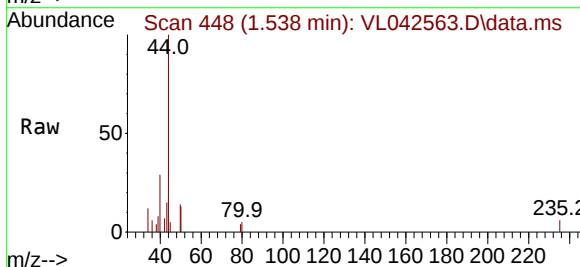
Acq: 21 May 2025 13:40

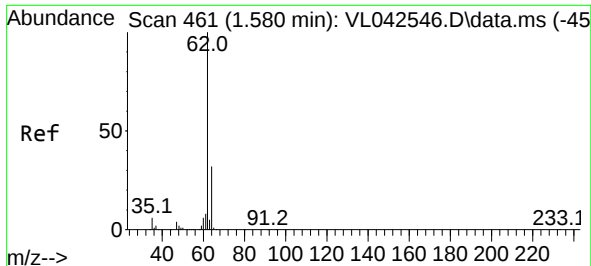
Tgt Ion: 50 Resp: 127

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#

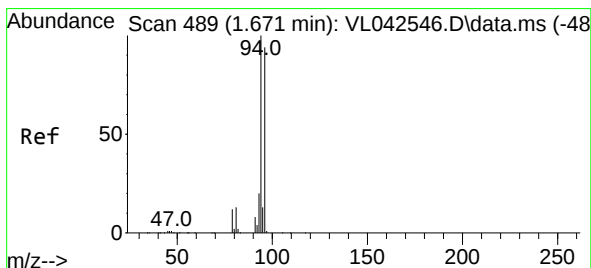
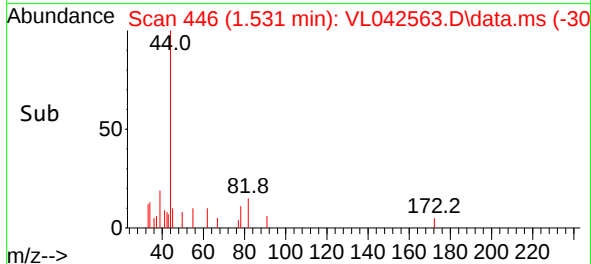
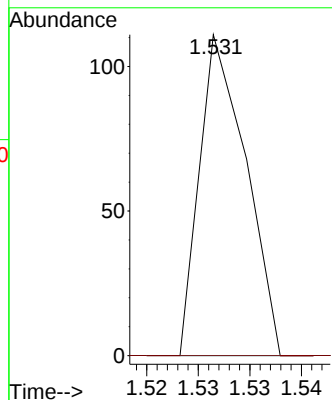
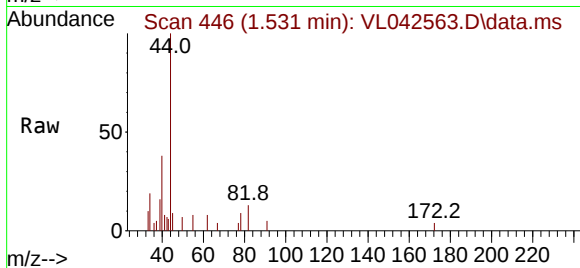




#5
 Vinyl Chloride
 Concen: 0.005 ppbv
 RT: 1.531 min Scan# 446
 Delta R.T. -0.048 min
 Lab File: VL042563.D
 Acq: 21 May 2025 13:40

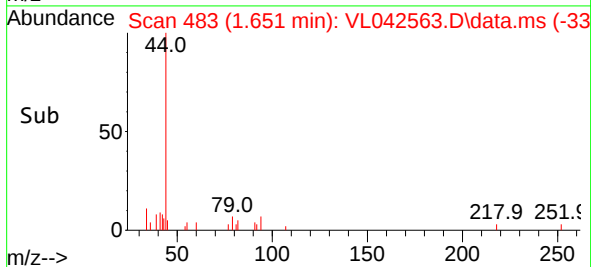
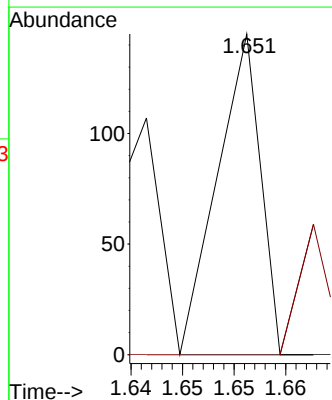
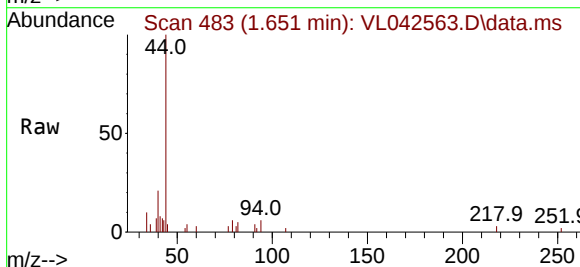
Instrument :
 MSVOA_L
 ClientSampleId :
 QC051225 CAN 10401

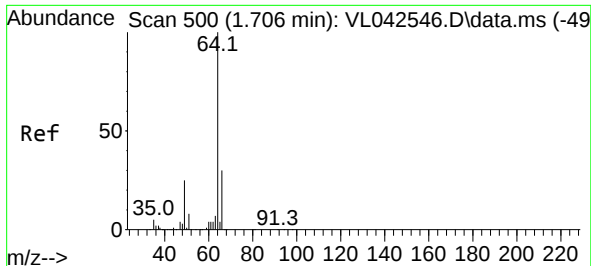
Tgt Ion: 62 Resp: 35
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#6
 Bromomethane
 Concen: 0.010 ppbv
 RT: 1.651 min Scan# 483
 Delta R.T. -0.019 min
 Lab File: VL042563.D
 Acq: 21 May 2025 13:40

Tgt Ion: 94 Resp: 42
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.9 112.3#

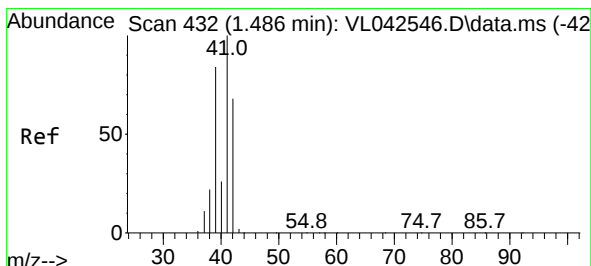
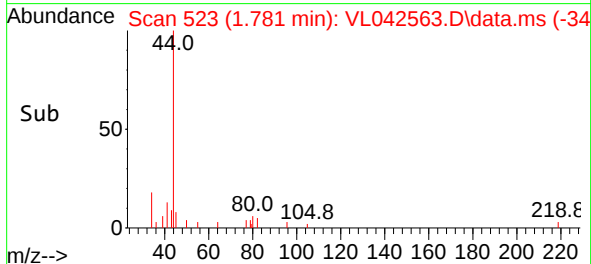
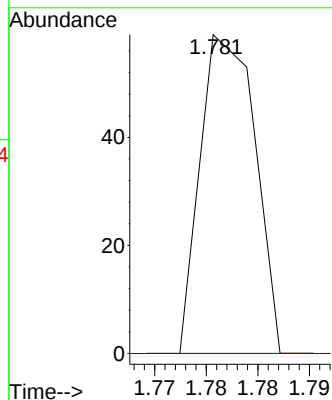
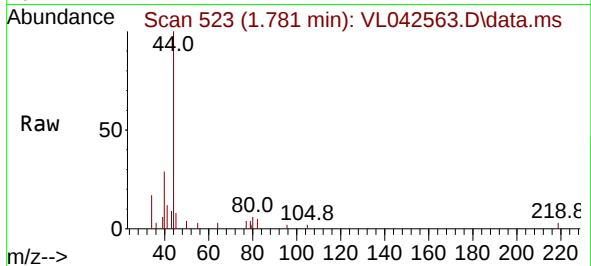




#7
Chloroethane
Concen: 0.008 ppbv
RT: 1.781 min Scan# 51
Delta R.T. 0.075 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

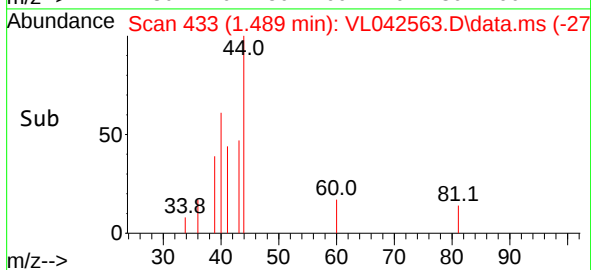
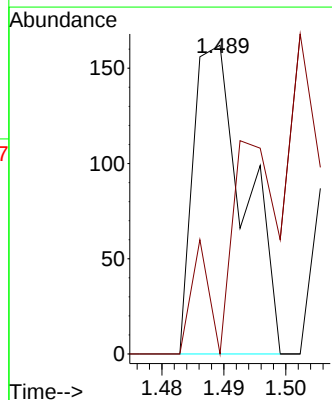
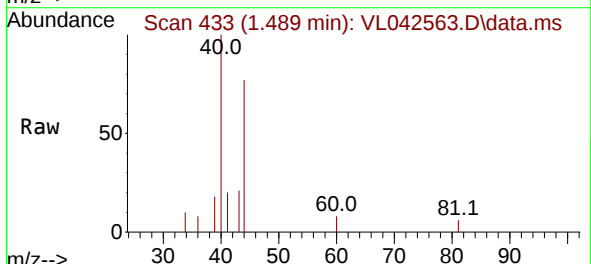
Instrument :
MSVOA_L
ClientSampleId :
QC051225 CAN 10401

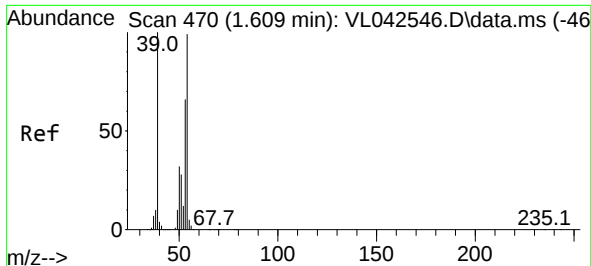
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#9
Propene
Concen: 0.016 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 41 Resp: 94
Ion Ratio Lower Upper
41 100
42 0.0 55.0 82.4#

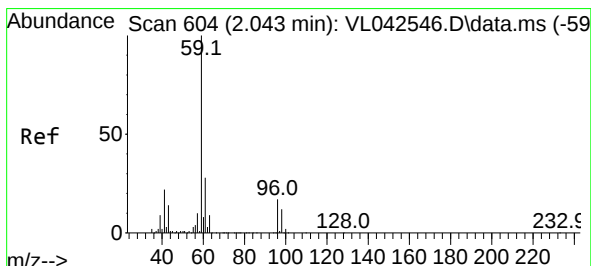
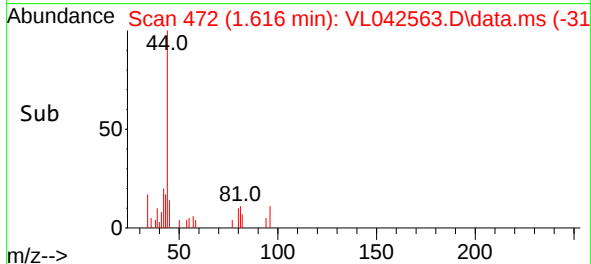
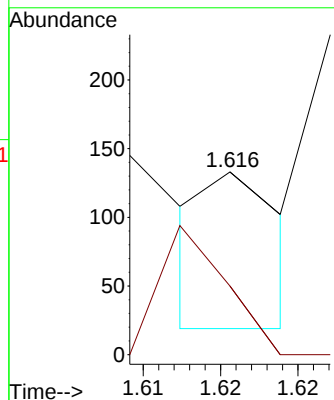
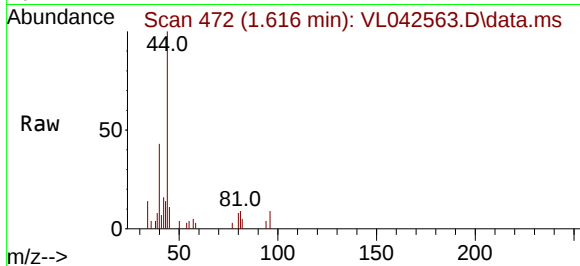




#16
1,3-Butadiene
Concen: 0.006 ppbv
RT: 1.616 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

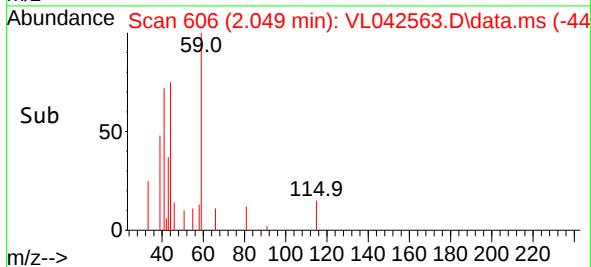
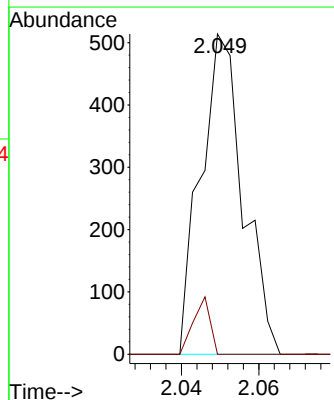
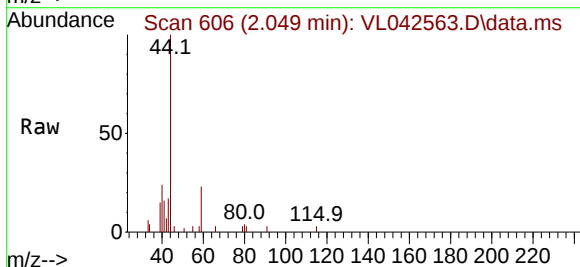
Instrument :
MSVOA_L
ClientSampleId :
QC051225 CAN 10401

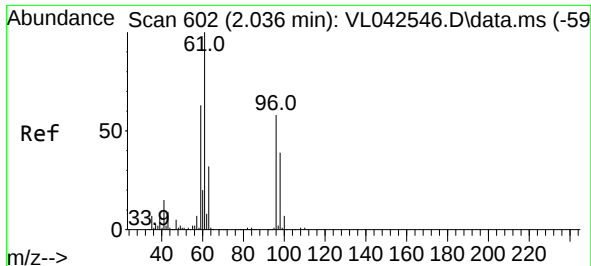
Tgt Ion: 39 Resp: 38
Ion Ratio Lower Upper
39 100
54 173.7 71.8 107.8#



#17
tert-Butyl alcohol
Concen: 0.023 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.007 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 59 Resp: 392
Ion Ratio Lower Upper
59 100
57 9.4 8.2 12.2





#18

1,1-Dichloroethene

Concen: 0.003 ppbv

RT: 2.069 min Scan# 61

Delta R.T. 0.032 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

QC051225 CAN 10401

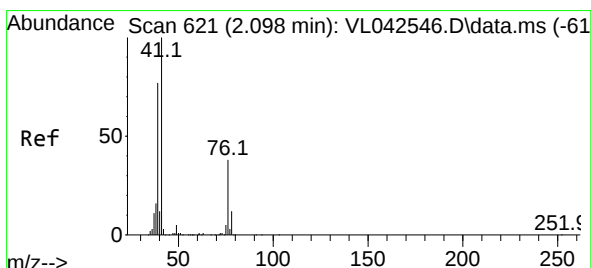
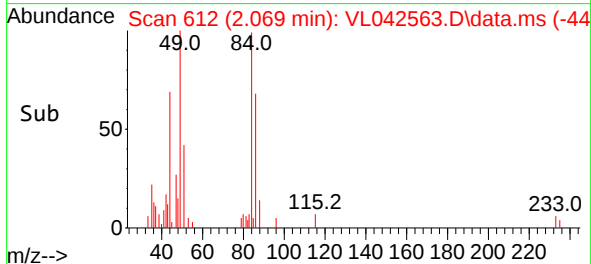
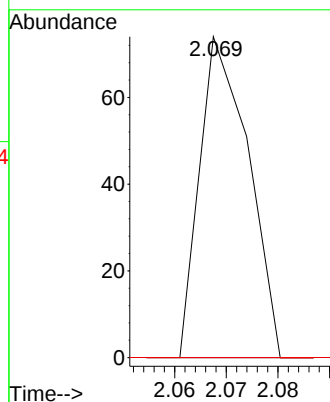
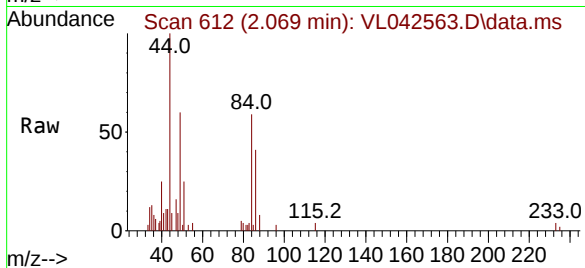
Tgt Ion: 96 Resp: 24

Ion Ratio Lower Upper

96 100

61 0.0 137.5 206.3#

98 0.0 53.2 79.8#



#21

Allyl Chloride

Concen: 0.005 ppbv

RT: 2.101 min Scan# 622

Delta R.T. 0.003 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

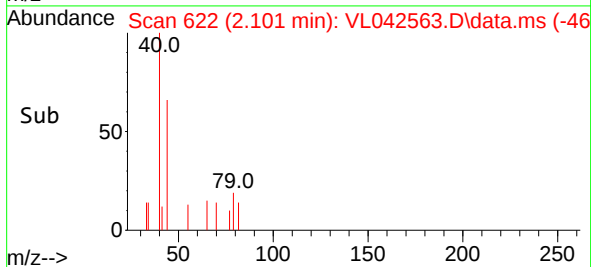
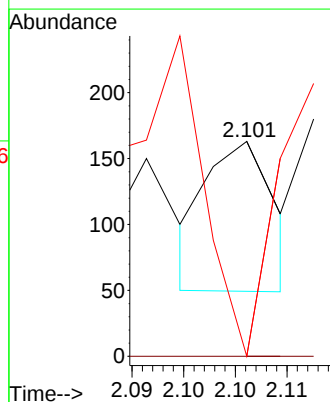
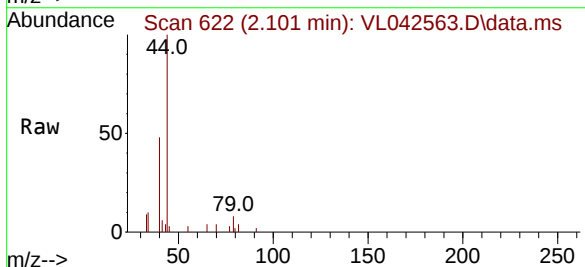
Tgt Ion: 41 Resp: 52

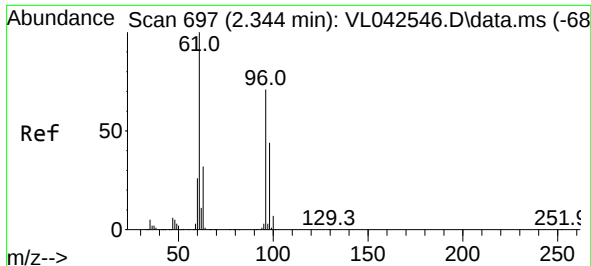
Ion Ratio Lower Upper

41 100

76 0.0 30.2 45.4#

39 0.0 62.5 93.7#

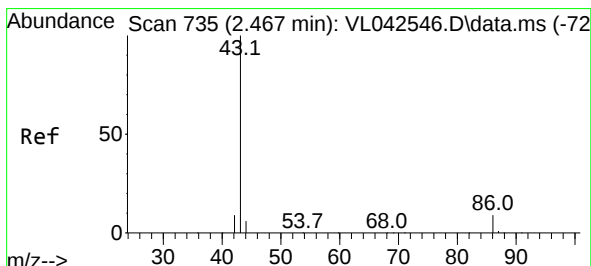
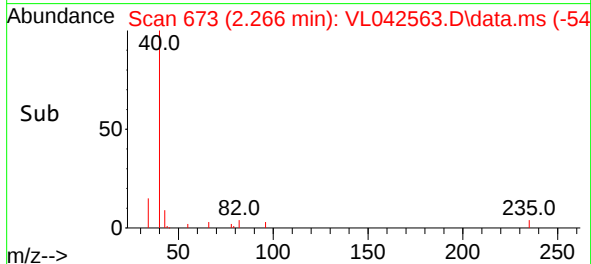
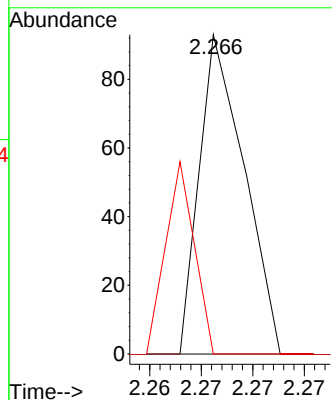
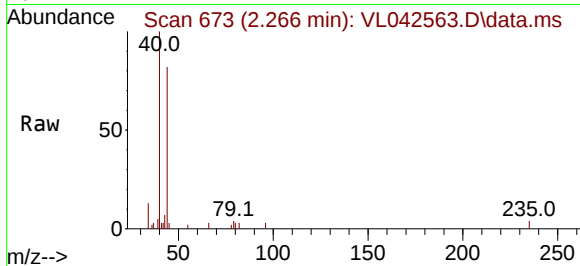




#22
trans-1,2-Dichloroethene
Concen: 0.003 ppbv
RT: 2.266 min Scan# 61
Delta R.T. -0.078 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

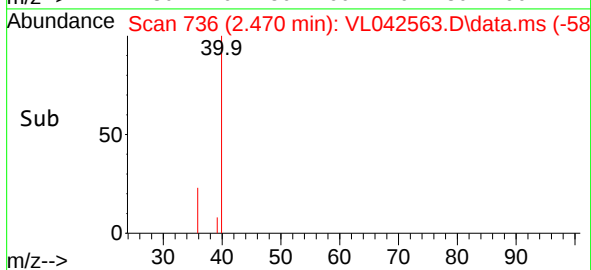
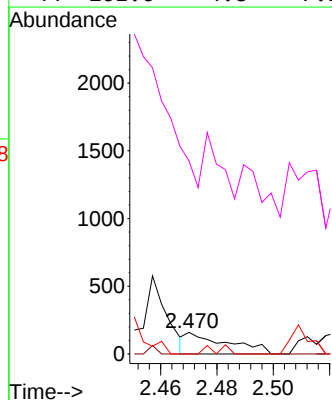
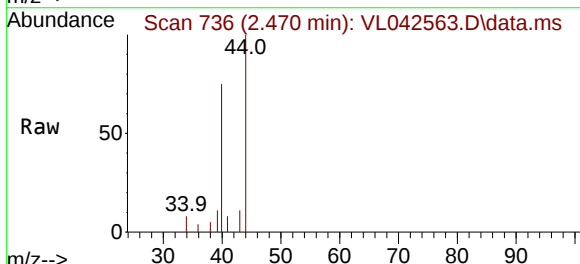
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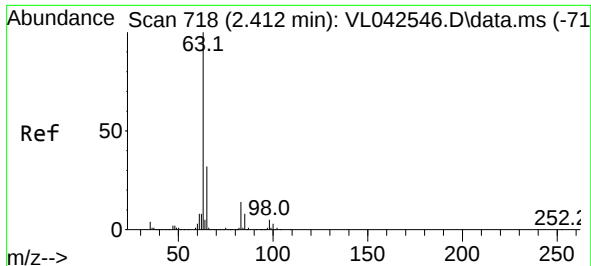
Tgt Ion: 96 Resp: 28
Ion Ratio Lower Upper
96 100
61 0.0 112.5 168.7#
98 0.0 49.0 73.4#



#23
Vinyl Acetate
Concen: 0.010 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.003 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
86 0.0 7.0 10.6#
42 0.0 7.4 11.2#
44 261.6 4.8 7.2#

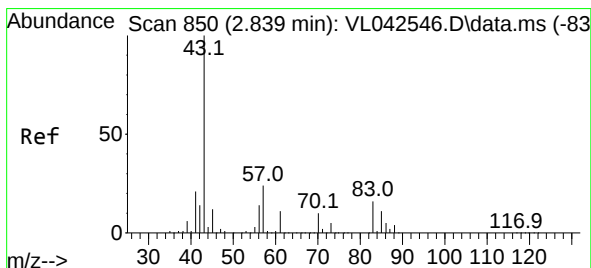
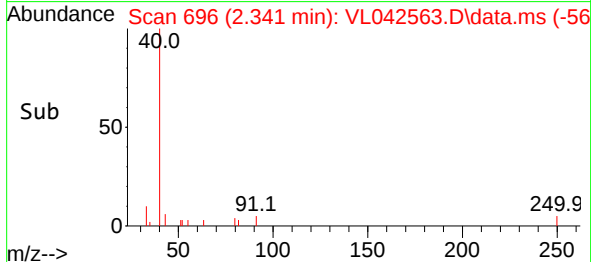
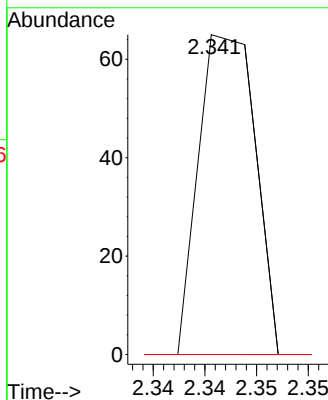
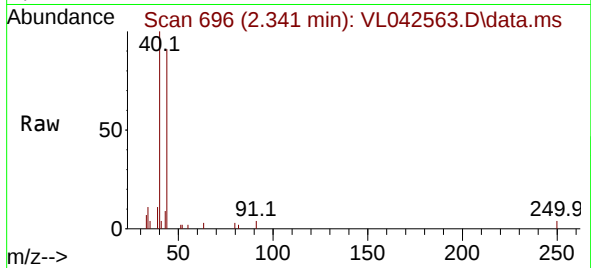




#24
1,1-Dichloroethane
Concen: 0.002 ppbv
RT: 2.341 min Scan# 61
Delta R.T. -0.071 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

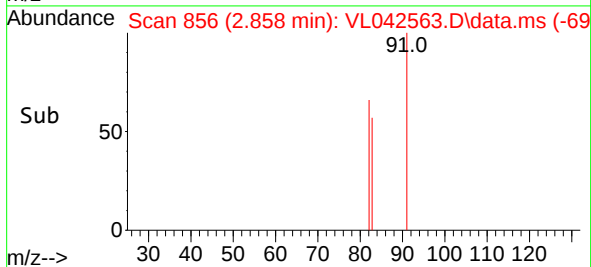
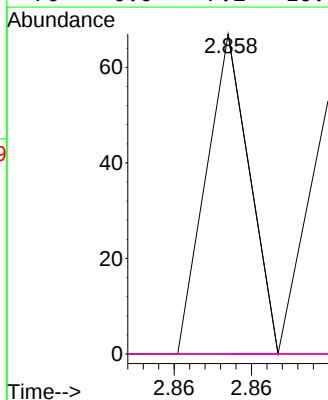
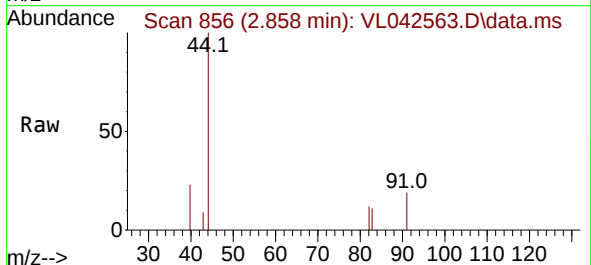
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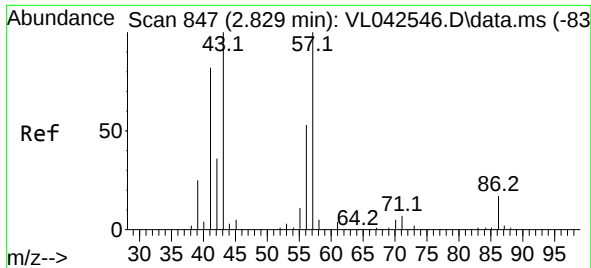
Tgt Ion: 63	Resp:	25
Ion Ratio	Lower	Upper
63	100	
98	0.0	2.6
100	0.0	1.8



#25
Ethyl Acetate
Concen: 0.000 ppbv
RT: 2.858 min Scan# 856
Delta R.T. 0.020 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 43	Resp:	13
Ion Ratio	Lower	Upper
43	100	
45	0.0	8.0
61	0.0	7.5
70	0.0	7.2

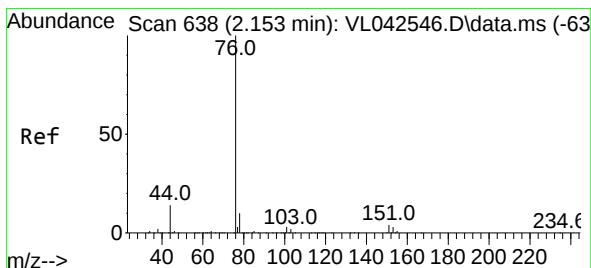
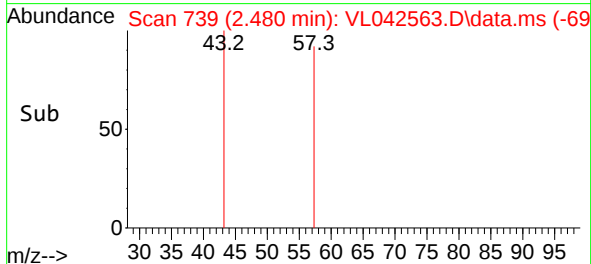
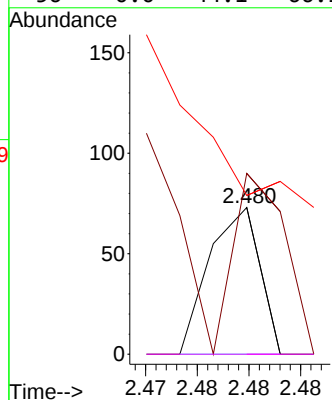
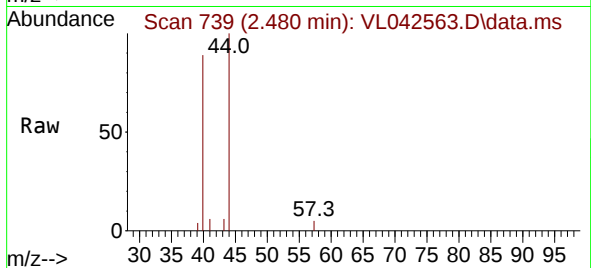




#26
Hexane
Concen: 0.002 ppbv
RT: 2.480 min Scan# 719
Delta R.T. -0.349 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

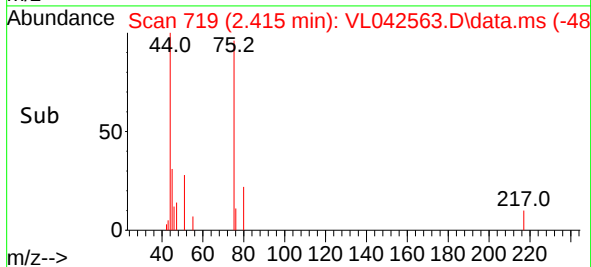
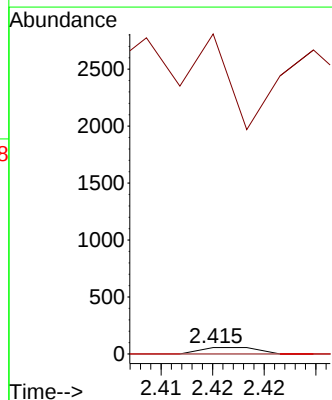
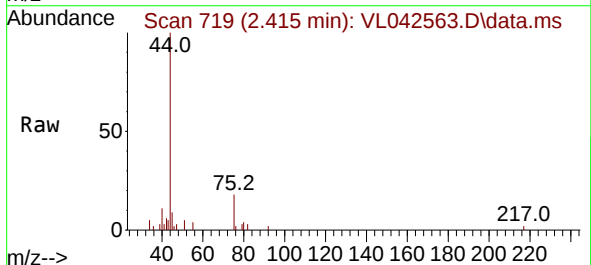
Instrument :
MSVOA_L
ClientSampleId :
QC051225 CAN 10401

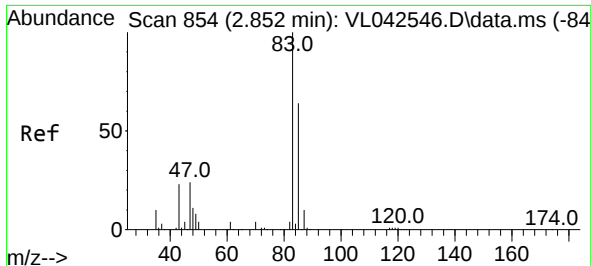
Tgt Ion:	57	Resp:	25
Ion	Ratio	Lower	Upper
57	100		
41	760.0	69.0	103.4#
43	708.0	174.2	261.2#
56	0.0	44.1	66.1#



#27
Carbon Disulfide
Concen: 0.001 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.262 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion:	76	Resp:	22
Ion	Ratio	Lower	Upper
76	100		
44	38022.7	14.0	21.0#
78	200.0	9.4	14.0#





#29

Chloroform

Concen: 0.002 ppbv

RT: 2.855 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

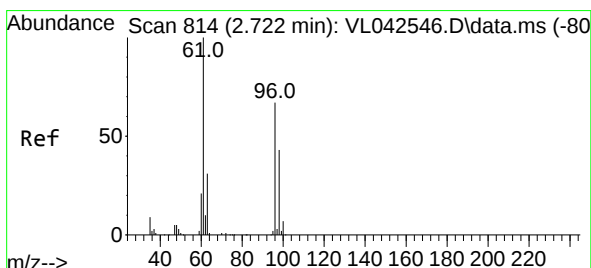
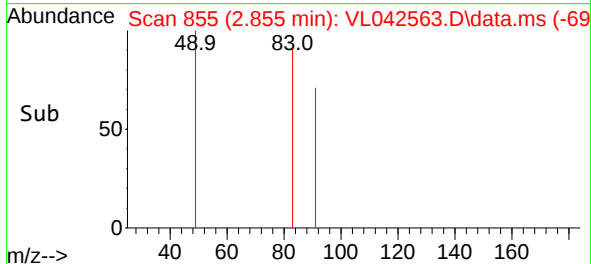
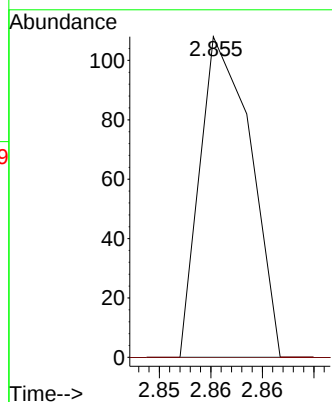
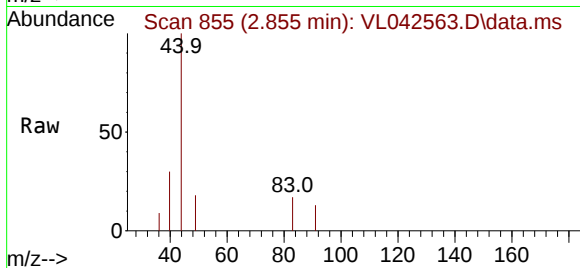
QC051225 CAN 10401

Tgt Ion: 83 Resp: 37

Ion Ratio Lower Upper

83 100

85 0.0 51.6 77.4#



#31

cis-1,2-Dichloroethene

Concen: 0.002 ppbv

RT: 2.434 min Scan# 725

Delta R.T. -0.288 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

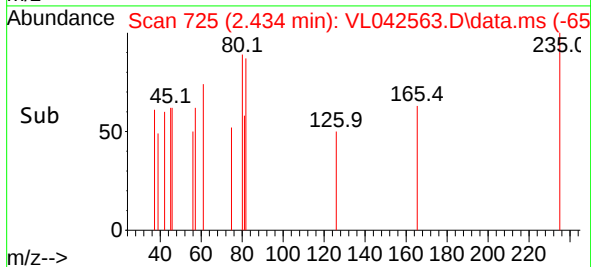
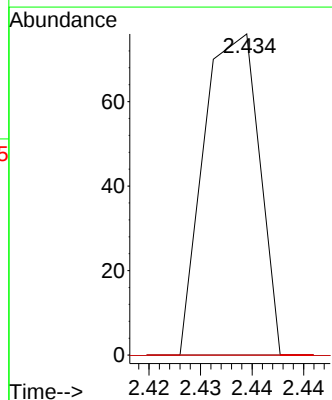
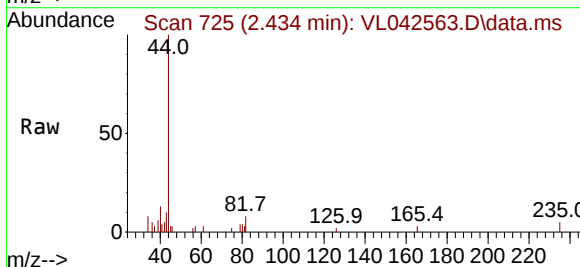
Tgt Ion: 61 Resp: 28

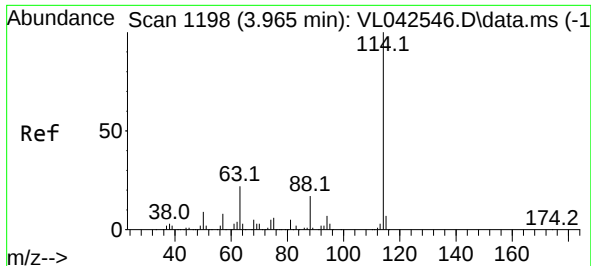
Ion Ratio Lower Upper

61 100

96 0.0 53.8 80.8#

98 0.0 34.5 51.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

QC051225 CAN 10401

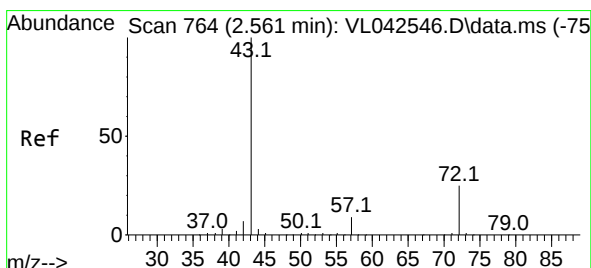
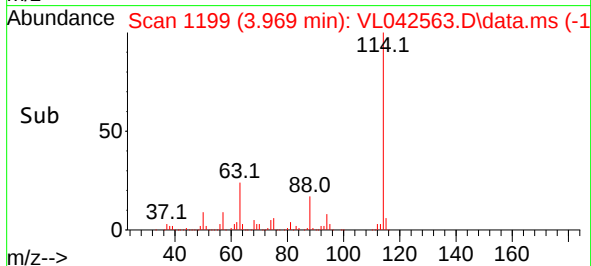
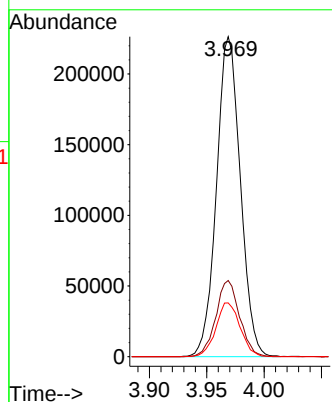
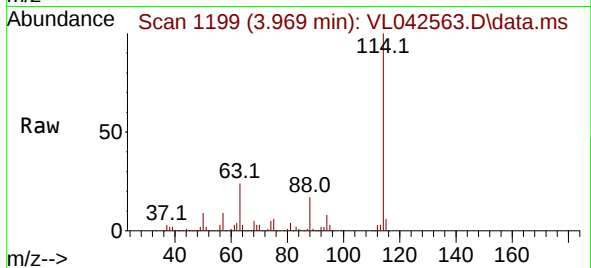
Tgt Ion:114 Resp: 327503

Ion Ratio Lower Upper

114 100

63 23.8 18.4 27.6

88 17.1 14.0 21.0



#34

2-Butanone

Concen: 0.026 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.007 min

Lab File: VL042563.D

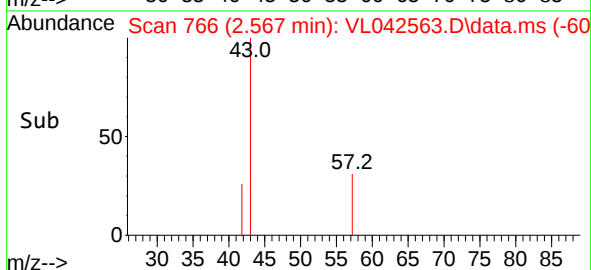
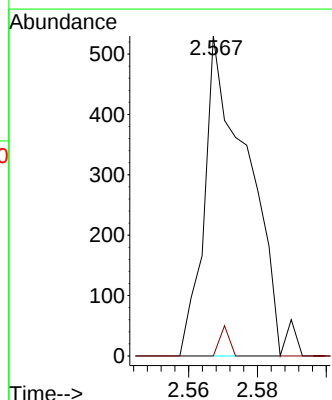
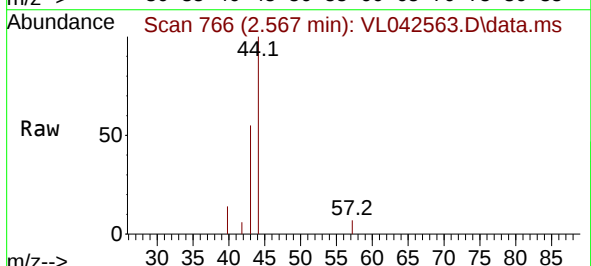
Acq: 21 May 2025 13:40

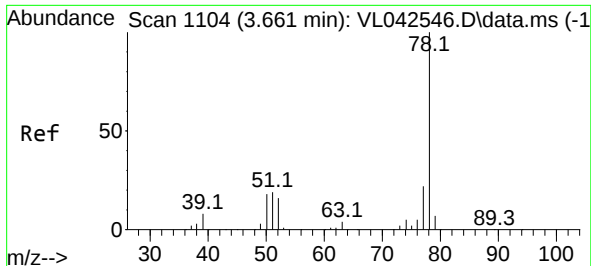
Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#36

Benzene

Concen: 0.001 ppbv

RT: 3.325 min Scan# 1000

Delta R.T. -0.337 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

QC051225 CAN 10401

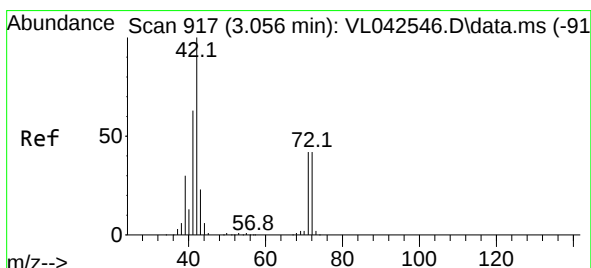
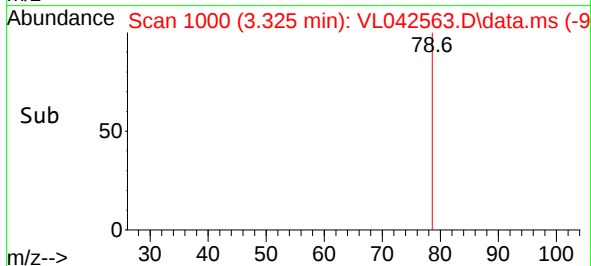
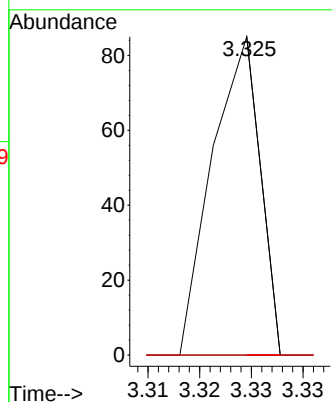
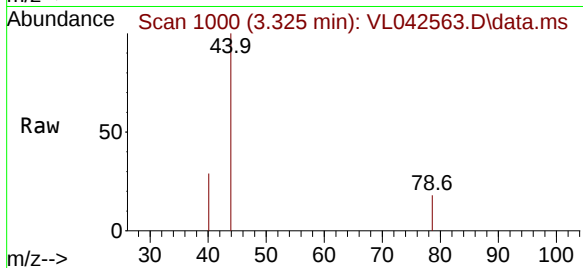
Tgt Ion: 78 Resp: 27

Ion Ratio Lower Upper

78 100

77 0.0 17.8 26.6#

50 0.0 14.0 21.0#



#41

Tetrahydrofuran

Concen: 0.003 ppbv

RT: 2.820 min Scan# 844

Delta R.T. -0.236 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

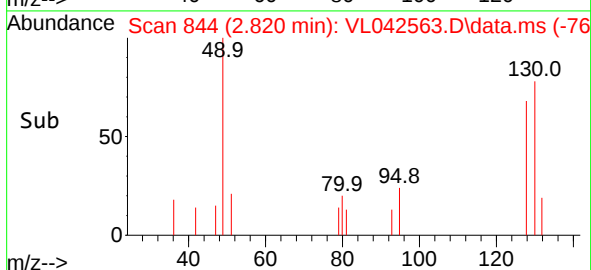
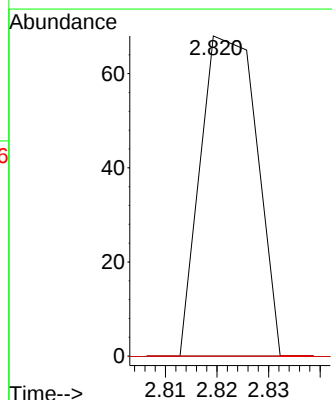
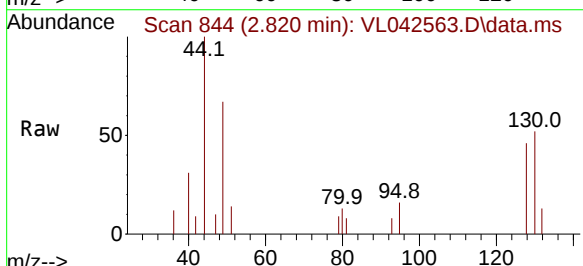
Tgt Ion: 42 Resp: 26

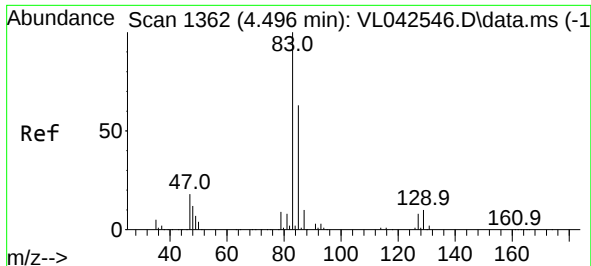
Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 33.6 50.4#

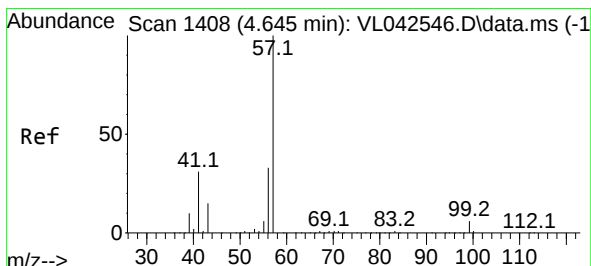
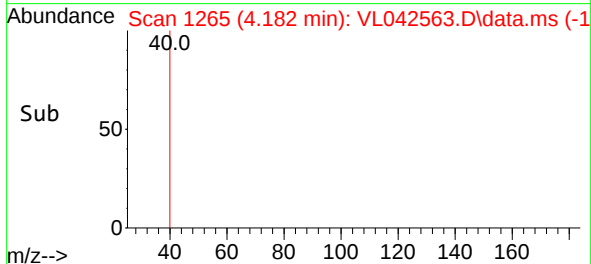
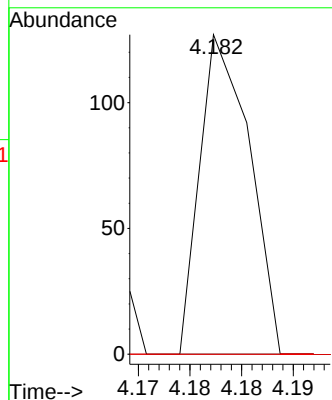
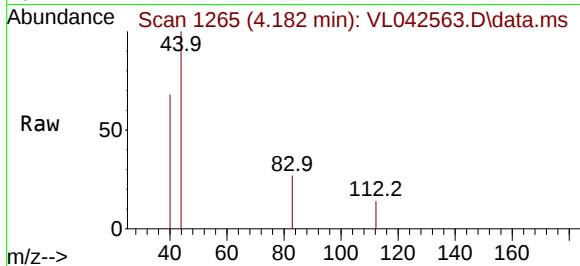




#42
Bromodichloromethane
Concen: 0.002 ppbv
RT: 4.182 min Scan# 11
Delta R.T. -0.314 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

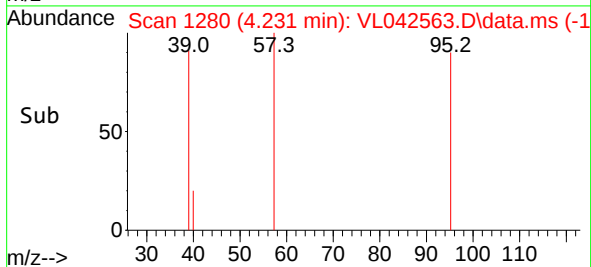
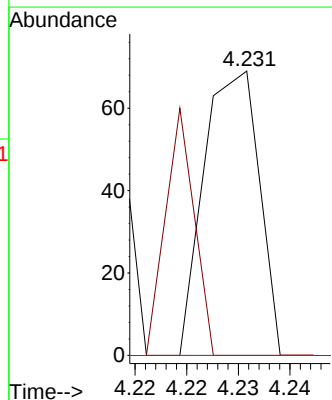
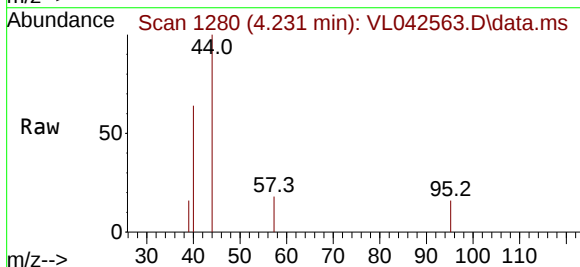
Instrument :
MSVOA_L
ClientSampleId :
QC051225 CAN 10401

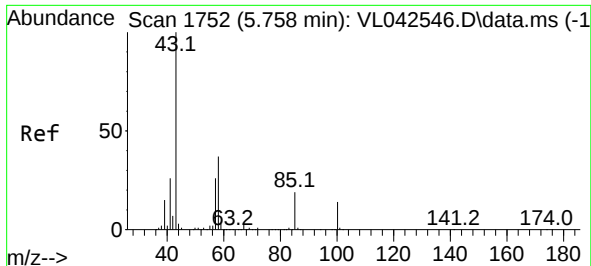
Tgt Ion: 83 Resp: 43
Ion Ratio Lower Upper
83 100
85 0.0 50.4 75.6#
127 0.0 6.5 9.7#



#44
2,2,4-Trimethylpentane
Concen: 0.001 ppbv
RT: 4.231 min Scan# 1280
Delta R.T. -0.414 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 57 Resp: 26
Ion Ratio Lower Upper
57 100
41 0.0 25.0 37.4#
56 0.0 25.1 37.7#





#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

RT: 5.522 min Scan# 1

Delta R.T. -0.236 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

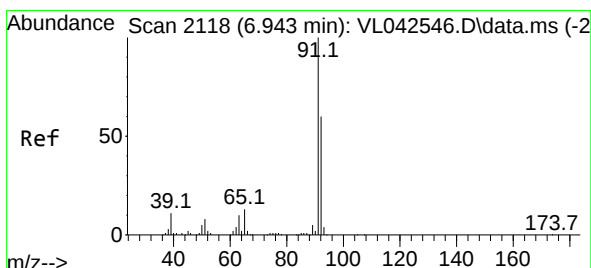
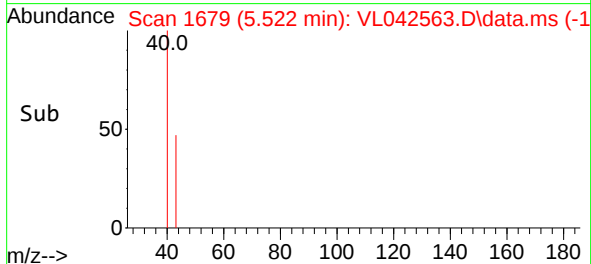
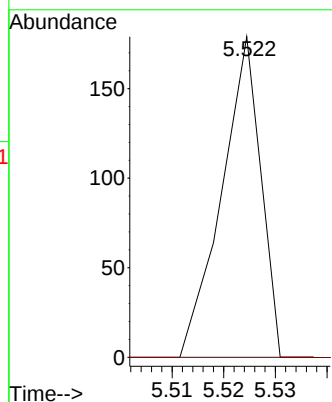
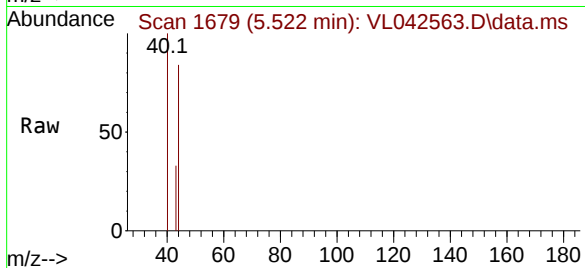
QC051225 CAN 10401

Tgt Ion: 43 Resp: 47

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#



#53

Toluene

Concen: 0.002 ppbv

RT: 6.950 min Scan# 2120

Delta R.T. 0.007 min

Lab File: VL042563.D

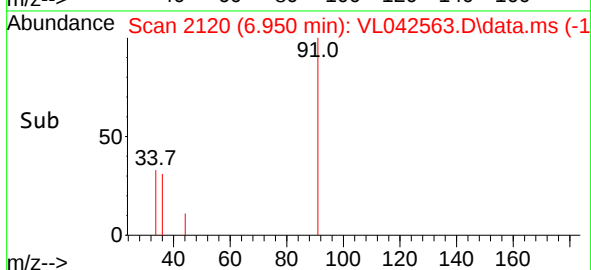
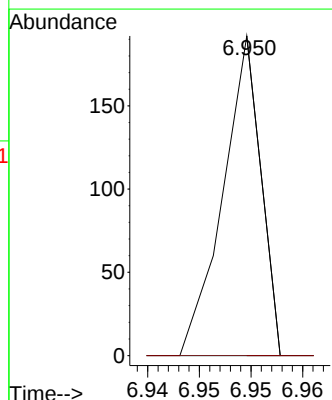
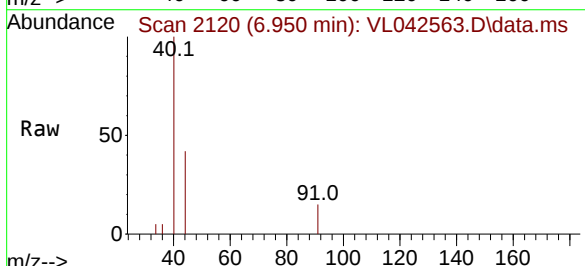
Acq: 21 May 2025 13:40

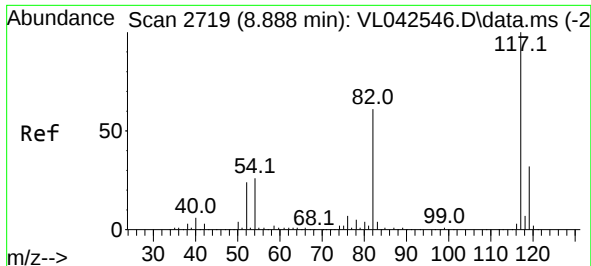
Tgt Ion: 91 Resp: 49

Ion Ratio Lower Upper

91 100

92 0.0 47.8 71.8#

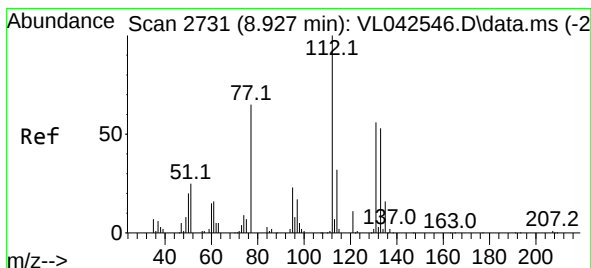
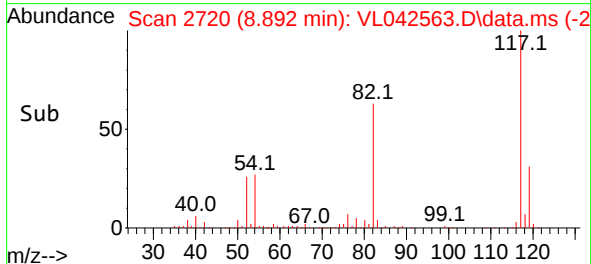
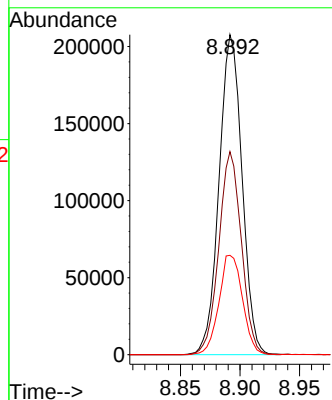
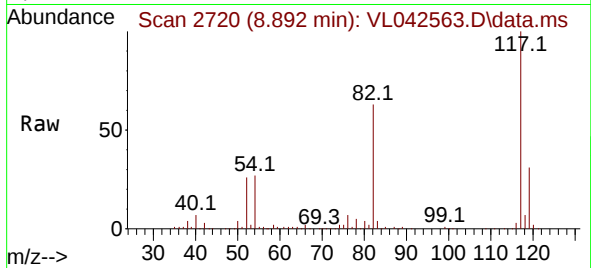




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

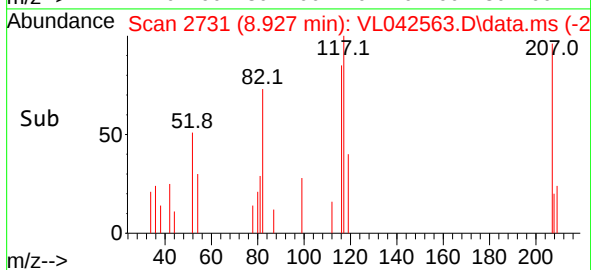
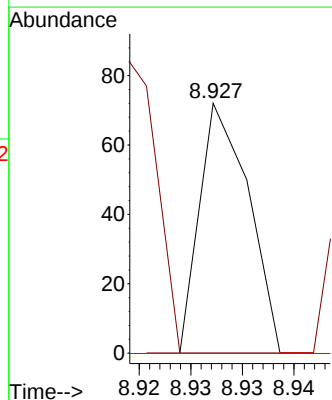
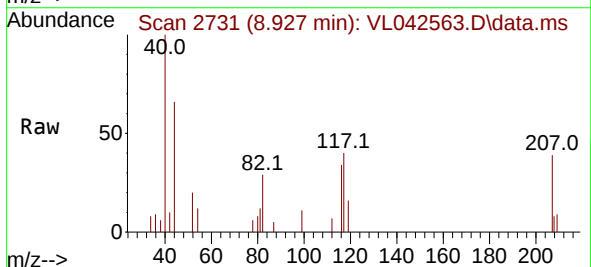
Instrument :
MSVOA_L
ClientSampleId :
QC051225 CAN 10401

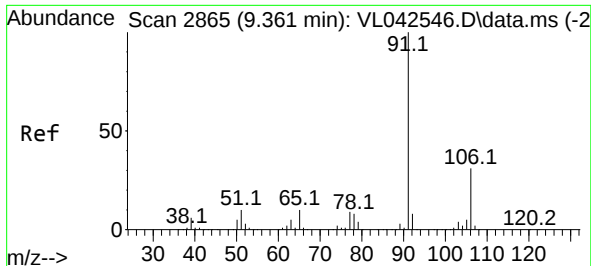
Tgt Ion:117 Resp: 278236
Ion Ratio Lower Upper
117 100
82 62.4 51.0 76.4
119 32.0 27.0 40.4



#57
Chlorobenzene
Concen: 0.001 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion:112 Resp: 24
Ion Ratio Lower Upper
112 100
77 86.1 53.2 79.8#
114 0.0 28.4 34.8#

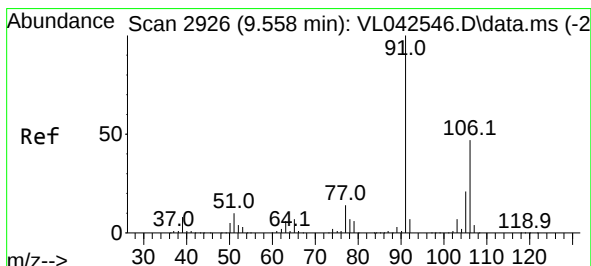
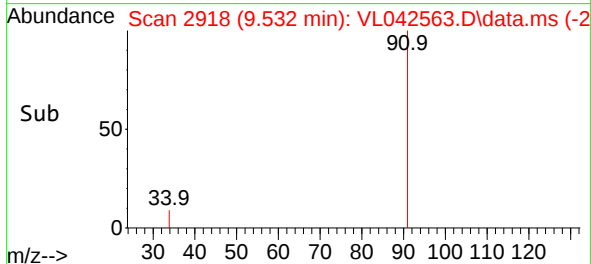
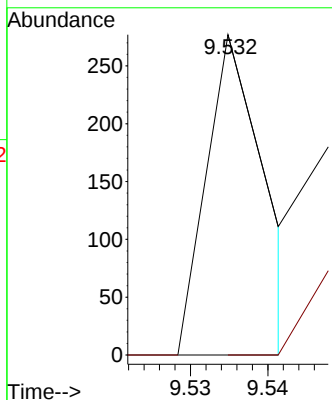
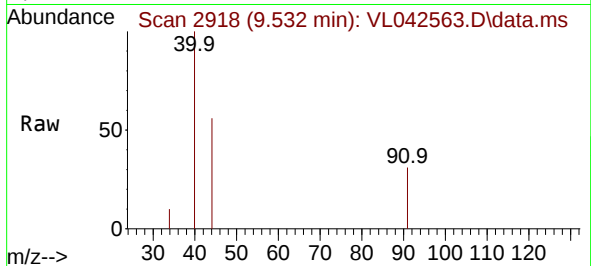




#58
Ethyl Benzene
Concen: 0.002 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. 0.172 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

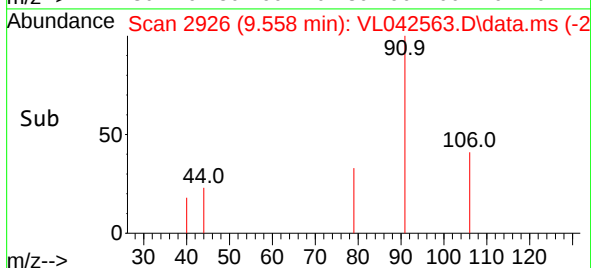
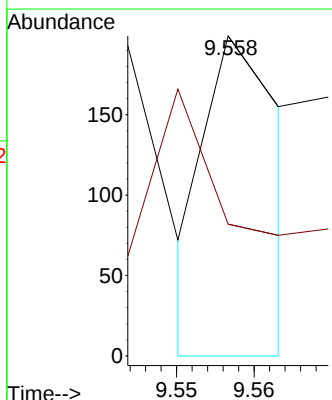
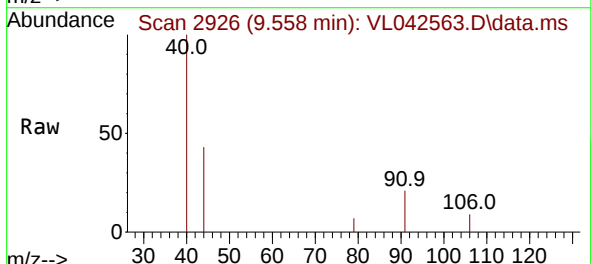
Instrument : MSVOA_L
ClientSampleId : QC051225 CAN 10401

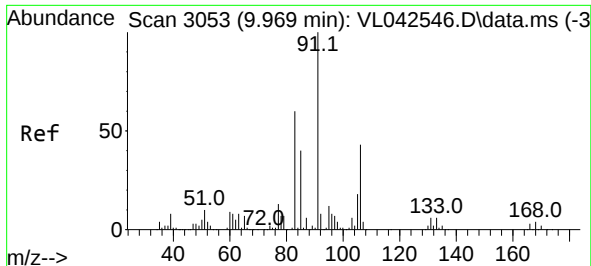
Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
106 0.0 24.6 37.0#



#59
m/p-Xylene
Concen: 0.002 ppbv
RT: 9.558 min Scan# 2926
Delta R.T. 0.000 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 91 Resp: 69
Ion Ratio Lower Upper
91 100
106 205.8 37.1 55.7#

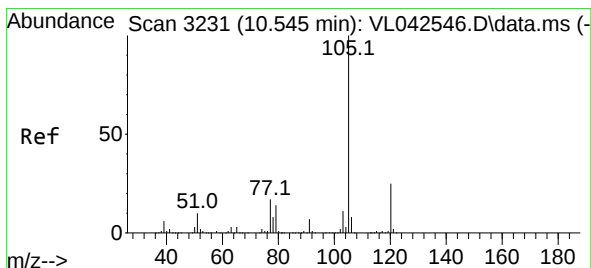
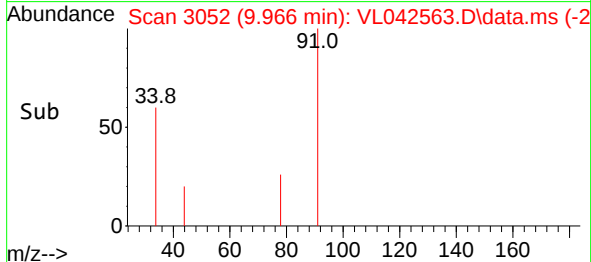
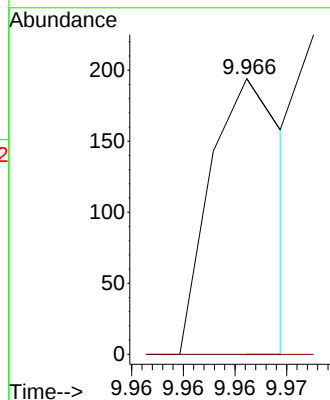
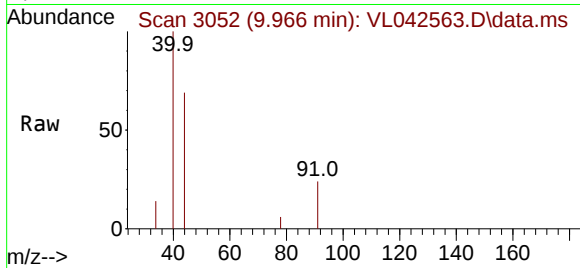




#60
o-Xylene
Concen: 0.003 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

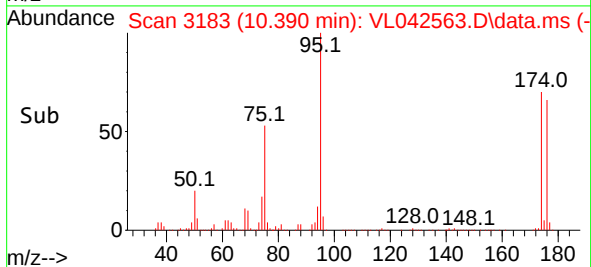
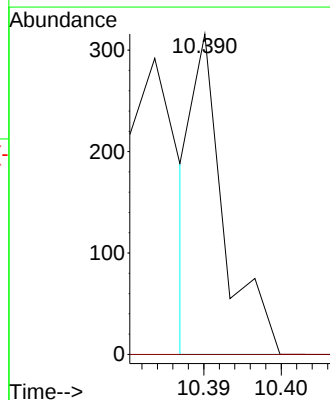
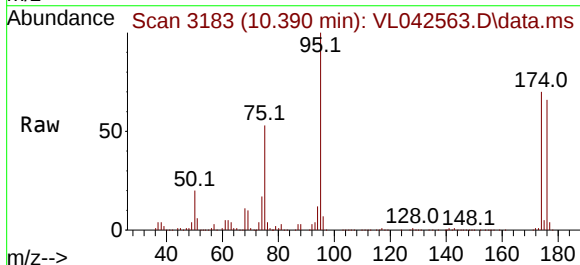
Instrument : MSVOA_L
ClientSampleId : QC051225 CAN 10401

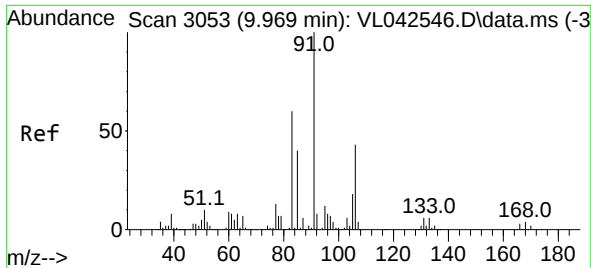
Tgt Ion: 91 Resp: 96
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.8#



#62
Isopropylbenzene
Concen: 0.002 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.155 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 105 Resp: 87
Ion Ratio Lower Upper
105 100
120 0.0 20.0 30.0#

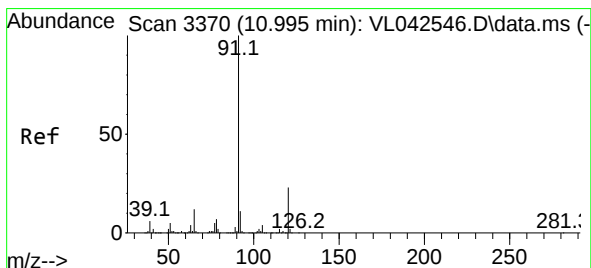
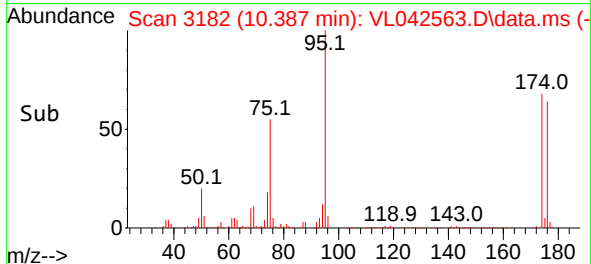
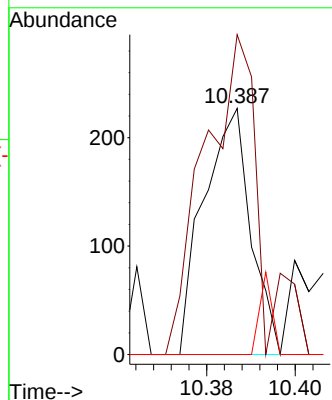
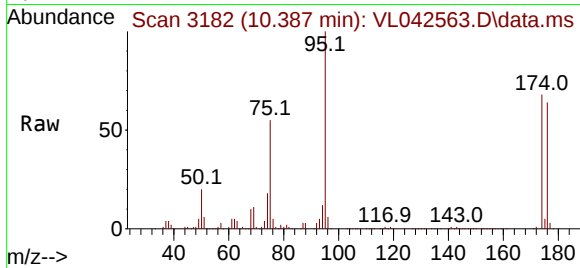




#63
1,1,2,2-Tetrachloroethane
Concen: 0.008 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.418 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

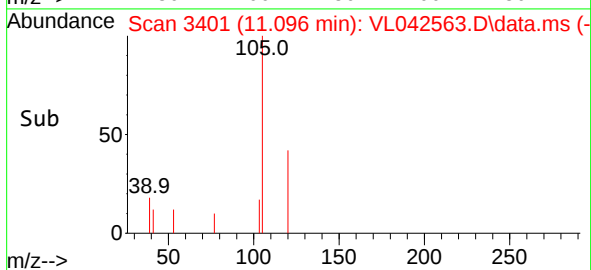
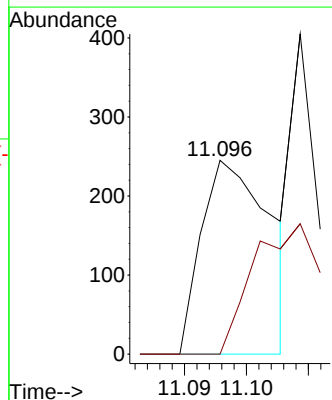
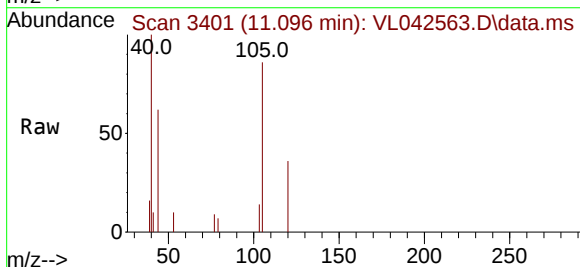
Instrument :
MSVOA_L
ClientSampleId :
QC051225 CAN 10401

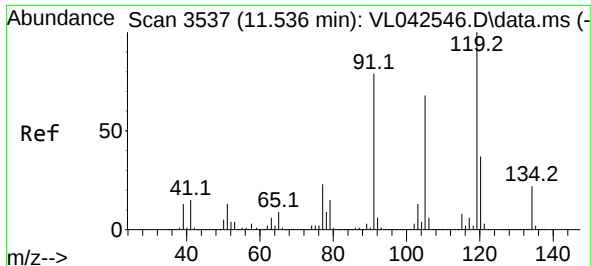
Tgt Ion: 83 Resp: 168
Ion Ratio Lower Upper
83 100
131 151.8 5.1 15.3#
85 0.0 32.5 97.4#



#64
n-propylbenzene
Concen: 0.016 ppbv
RT: 11.096 min Scan# 3401
Delta R.T. 0.100 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

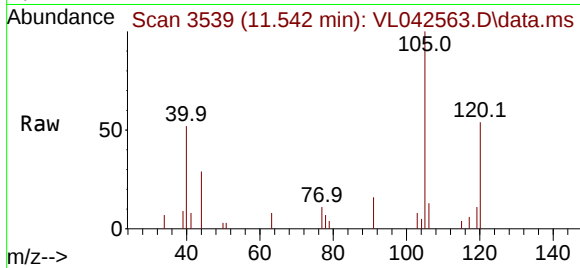
Tgt Ion:120 Resp: 189
Ion Ratio Lower Upper
120 100
91 133.3 367.0 550.4#



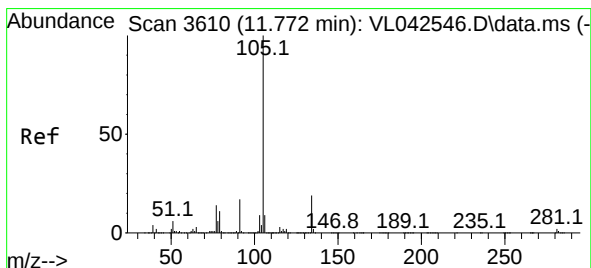
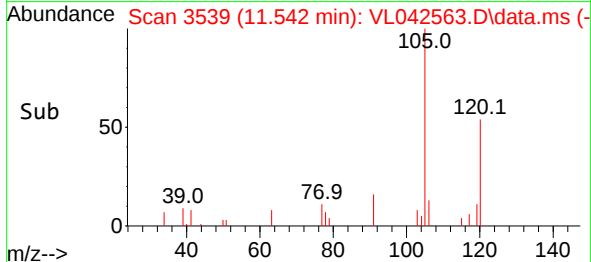
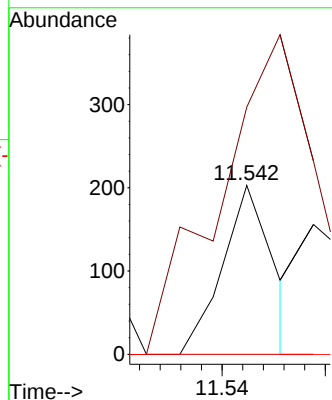


#65
tert-Butylbenzene
Concen: 0.002 ppbv
RT: 11.542 min Scan# 3119
Delta R.T. 0.007 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Instrument :
MSVOA_1
ClientSampleId :
QC051225 CAN 10401

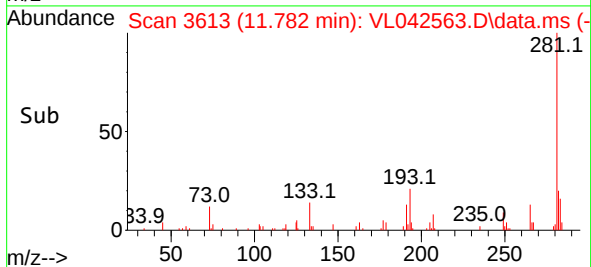
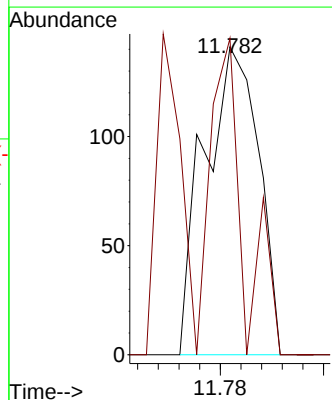
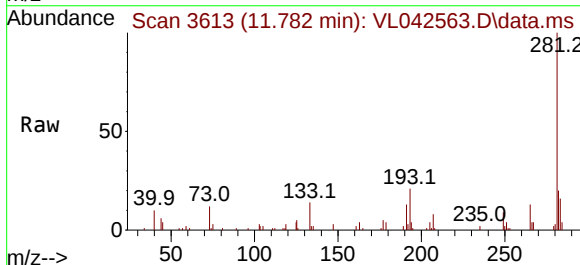


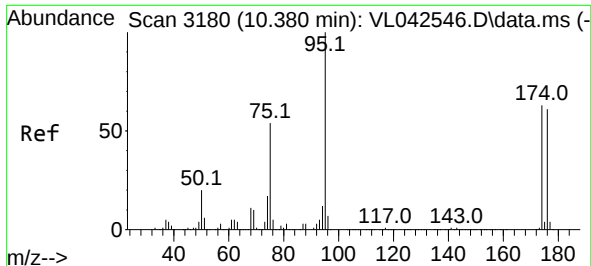
Tgt Ion:119 Resp: 70
Ion Ratio Lower Upper
119 100
91 0.0 62.7 94.1#
134 0.0 16.8 25.2#



#67
sec-Butylbenzene
Concen: 0.002 ppbv
RT: 11.782 min Scan# 3613
Delta R.T. 0.010 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion:105 Resp: 103
Ion Ratio Lower Upper
105 100
134 108.7 15.4 23.2#

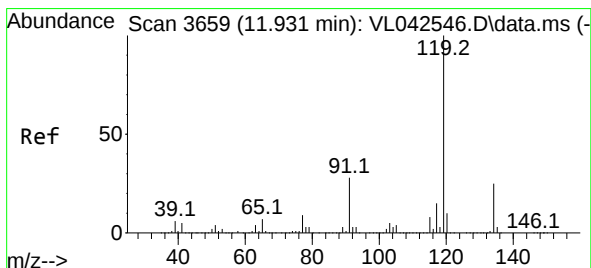
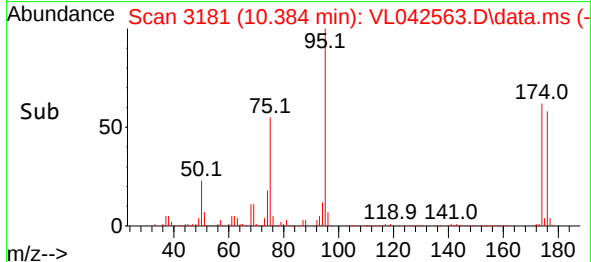
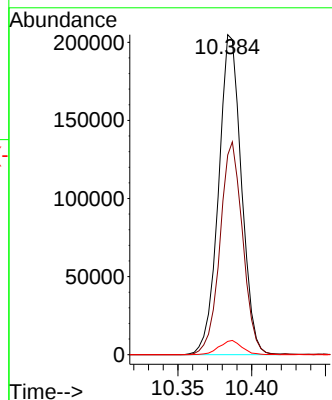
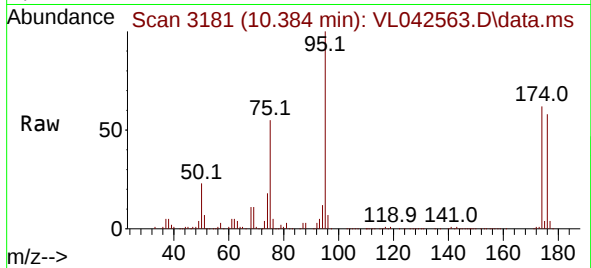




#68
1-Bromo-4-Fluorobenzene
Concen: 9.930 ppbv
RT: 10.384 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

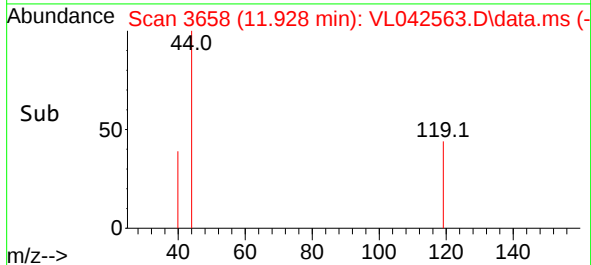
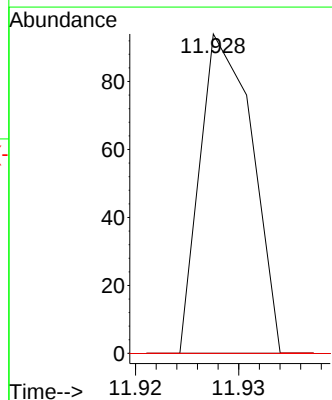
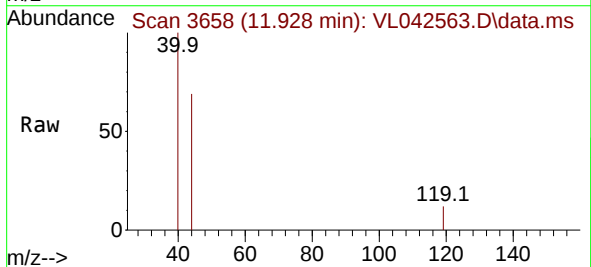
Instrument :
MSVOA_1
ClientSampleId :
QC051225 CAN 10401

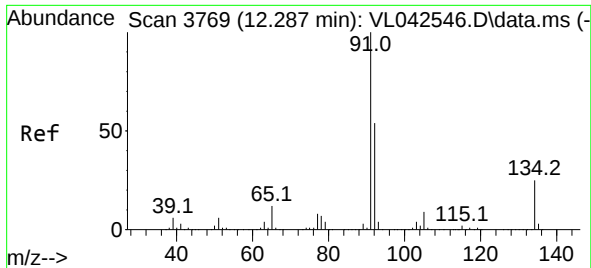
Tgt Ion: 95 Resp: 221132
Ion Ratio Lower Upper
95 100
174 66.0 52.0 78.0
175 4.4 3.8 5.6



#69
p-Isopropyltoluene
Concen: 0.001 ppbv
RT: 11.928 min Scan# 3658
Delta R.T. -0.003 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 119 Resp: 33
Ion Ratio Lower Upper
119 100
134 0.0 20.1 30.1#
91 0.0 22.3 33.5#

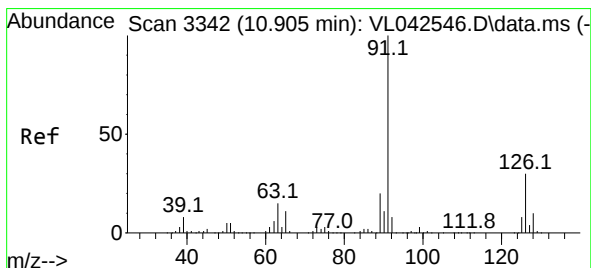
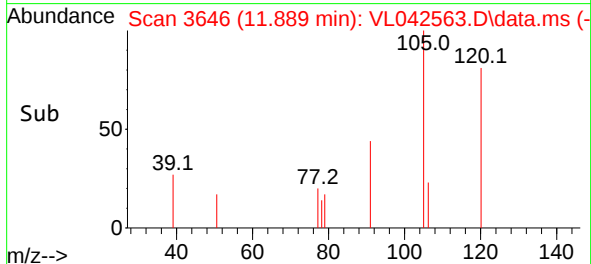
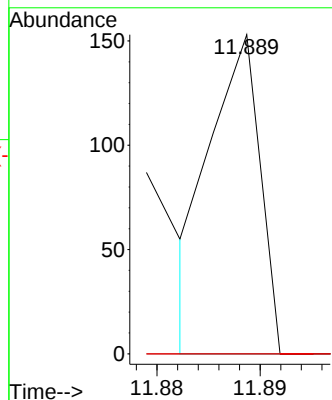
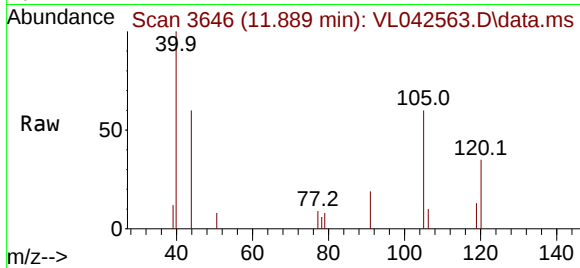




#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 11.889 min Scan# 30
Delta R.T. -0.398 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

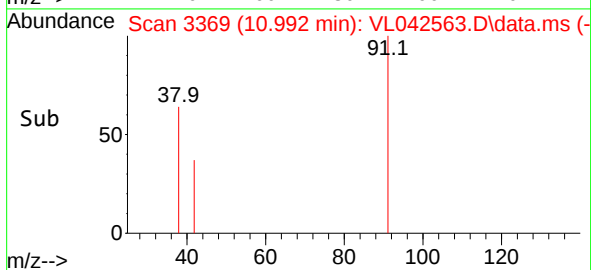
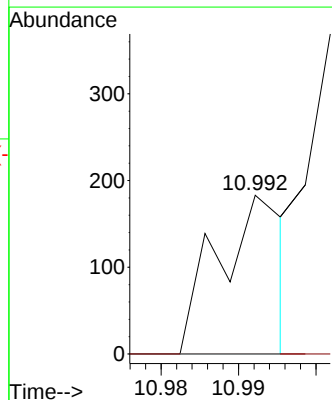
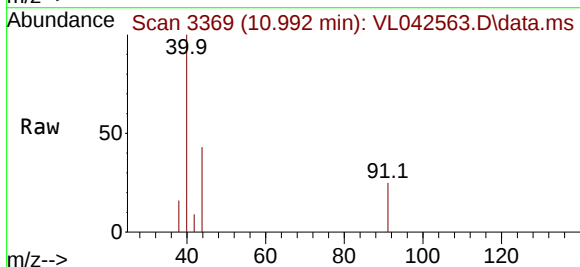
Instrument :
MSVOA_L
ClientSampleId :
QC051225 CAN 10401

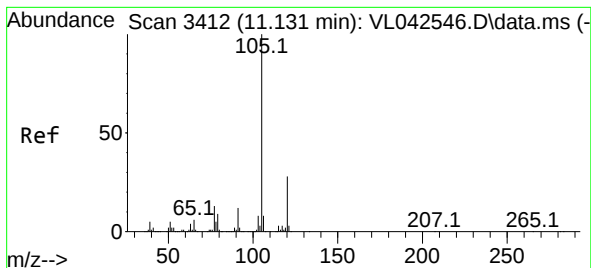
Tgt Ion: 91 Resp: 50
Ion Ratio Lower Upper
91 100
92 0.0 43.8 65.6#
134 0.0 19.7 29.5#



#71
2-Chlorotoluene
Concen: 0.003 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.087 min
Lab File: VL042563.D
Acq: 21 May 2025 13:40

Tgt Ion: 91 Resp: 109
Ion Ratio Lower Upper
91 100
126 0.0 12.4 49.4#





#72

4-Ethyltoluene

Concen: 0.005 ppbv

RT: 11.135 min Scan# 3412

Delta R.T. 0.003 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Instrument :

MSVOA_L

ClientSampleId :

QC051225 CAN 10401

Tgt Ion:105 Resp: 174

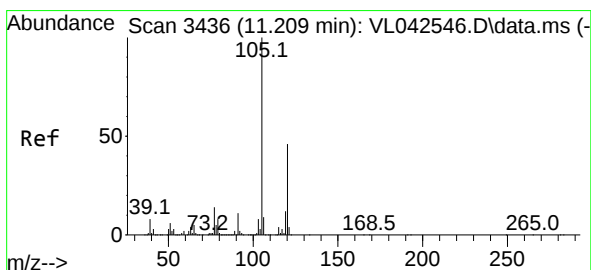
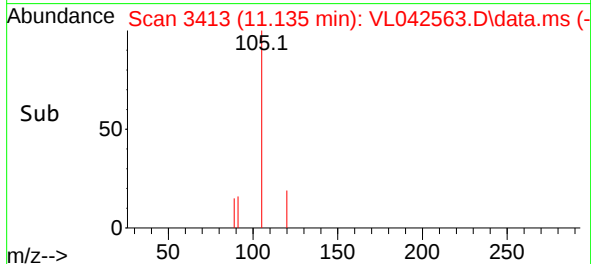
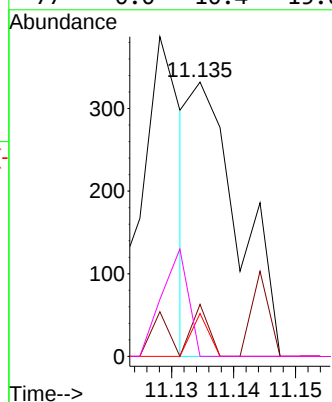
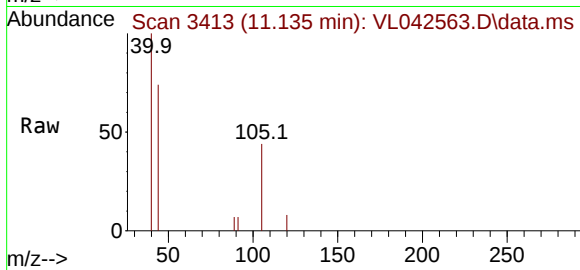
Ion Ratio Lower Upper

105 100

120 0.0 23.4 35.0#

91 0.0 10.2 15.4#

77 0.0 10.4 15.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.022 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042563.D

Acq: 21 May 2025 13:40

Tgt Ion:105 Resp: 716

Ion Ratio Lower Upper

105 100

120 29.6 36.5 54.7#

