

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042562.D
 Acq On : 21 May 2025 12:33
 Operator : SY/MD
 Sample : QC051925 CAN 10158
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051925 CAN 10158

Quant Time: May 21 22:54:48 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	2.790	49	104582	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	321263	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	276069	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	222792	10.083	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

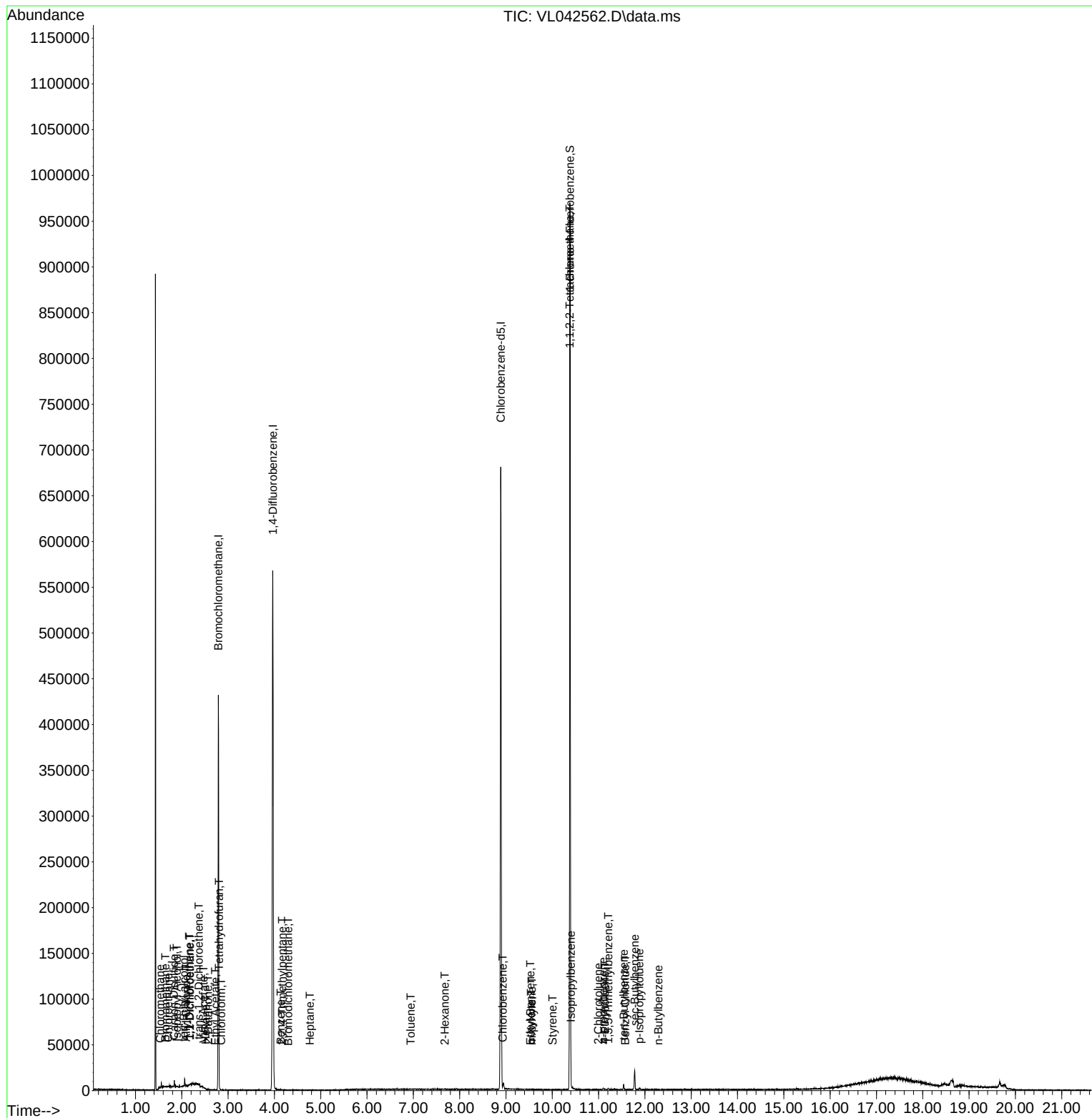
Target Compounds					Qvalue	
4) Chloromethane	1.531	50	97	0.015	ppbv #	41
6) Bromomethane	1.648	94	49	0.012	ppbv #	77
7) Chloroethane	1.709	64	26	0.009	ppbv #	44
10) Heptane	4.768	43	37	0.003	ppbv #	24
17) tert-Butyl alcohol	2.043	59	281	0.017	ppbv	96
18) 1,1-Dichloroethene	2.163	96	62	0.008	ppbv #	1
19) Isopropyl Alcohol	1.891	45	172	0.021	ppbv #	32
21) Allyl Chloride	2.091	41	72	0.008	ppbv #	1
22) trans-1,2-Dichloroethene	2.366	96	44	0.005	ppbv #	1
23) Vinyl Acetate	2.467	43	83	0.005	ppbv #	38
24) 1,1-Dichloroethane	2.176	63	38	0.003	ppbv #	86
25) Ethyl Acetate	2.726	43	25	0.001	ppbv #	1
26) Hexane	2.515	57	23	0.002	ppbv #	1
27) Carbon Disulfide	1.832	76	31	0.002	ppbv #	1
29) Chloroform	2.852	83	46	0.002	ppbv #	18
34) 2-Butanone	2.567	43	507	0.030	ppbv #	74
36) Benzene	4.137	78	14	0.001	ppbv #	56
41) Tetrahydrofuran	2.803	42	25	0.003	ppbv #	33
42) Bromodichloromethane	4.295	83	31	0.001	ppbv #	25
44) 2,2,4-Trimethylpentane	4.169	57	26	0.001	ppbv #	20
51) 2-Hexanone	7.678	43	21	0.001	ppbv #	27
53) Toluene	6.943	91	44	0.002	ppbv #	21
57) Chlorobenzene	8.930	112	24	0.001	ppbv #	25
58) Ethyl Benzene	9.526	91	97	0.003	ppbv #	44
59) m/p-Xylene	9.558	91	158	0.005	ppbv #	30
60) o-Xylene	9.542	91	222	0.007	ppbv	74
61) Styrene	10.005	104	26	0.002	ppbv #	29
62) Isopropylbenzene	10.403	105	23	0.000	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	10.377	83	110	0.005	ppbv #	25
64) n-propylbenzene	11.099	120	245	0.021	ppbv #	1
65) tert-Butylbenzene	11.542	119	219	0.005	ppbv #	41
66) Benzyl Chloride	11.575	91	21	0.004	ppbv #	65
67) sec-Butylbenzene	11.779	105	37	0.001	ppbv #	1
69) p-Isopropyltoluene	11.879	119	45	0.001	ppbv #	1
70) n-Butylbenzene	12.290	91	35	0.001	ppbv #	24
71) 2-Chlorotoluene	10.992	91	153	0.005	ppbv #	44
72) 4-Ethyltoluene	11.135	105	115	0.003	ppbv #	65
73) 1,3,5-Trimethylbenzene	11.209	105	495	0.015	ppbv #	70

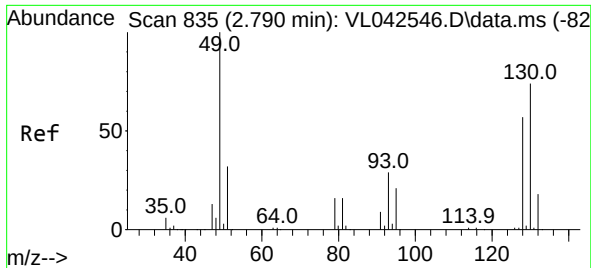
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
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Misc : 400mL/MSVOA_L
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Instrument :
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ClientSampleId :
QC051925 CAN 10158

Quant Time: May 21 22:54:48 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.790 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

QC051925 CAN 10158

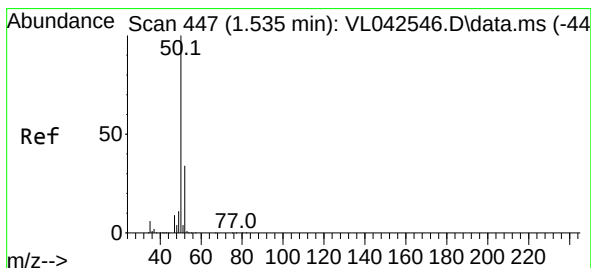
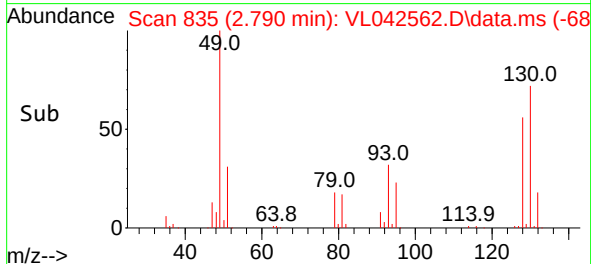
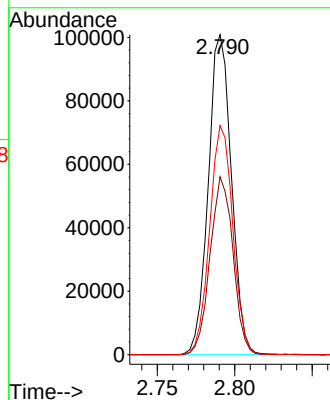
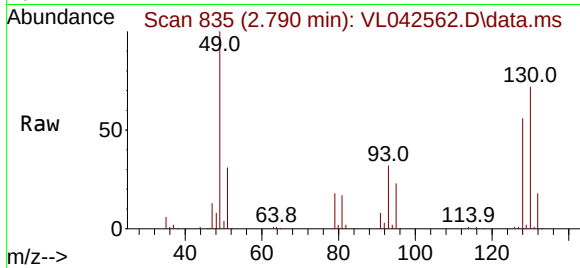
Tgt Ion: 49 Resp: 104582

Ion Ratio Lower Upper

49 100

128 55.1 28.6 85.8

130 71.8 36.6 109.8



#4

Chloromethane

Concen: 0.015 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.003 min

Lab File: VL042562.D

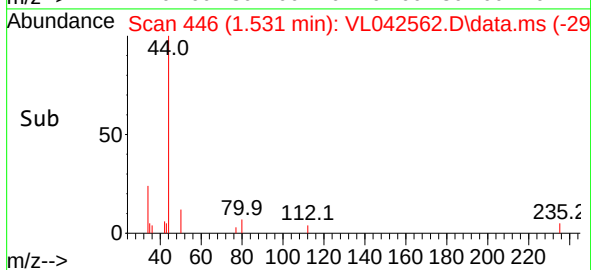
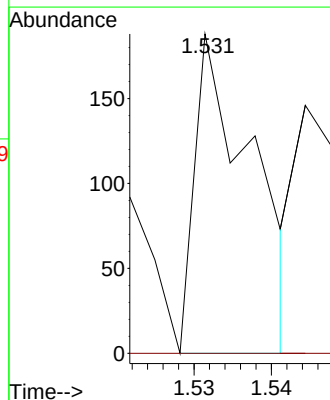
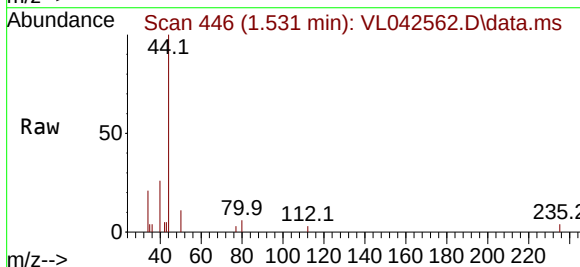
Acq: 21 May 2025 12:33

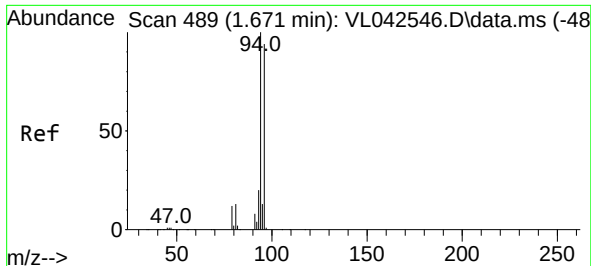
Tgt Ion: 50 Resp: 97

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#

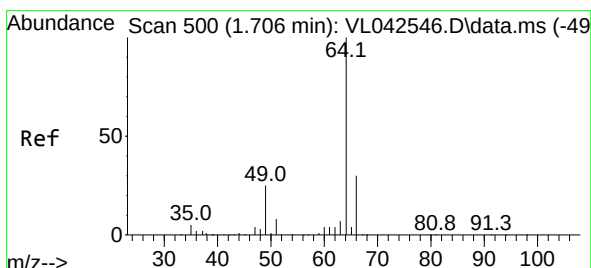
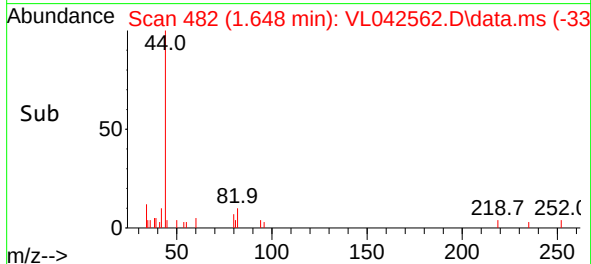
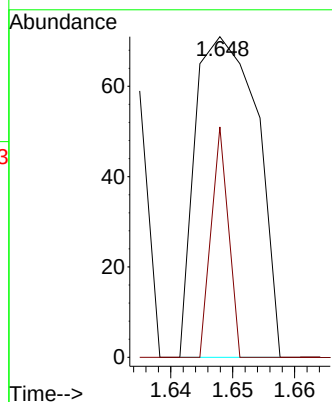
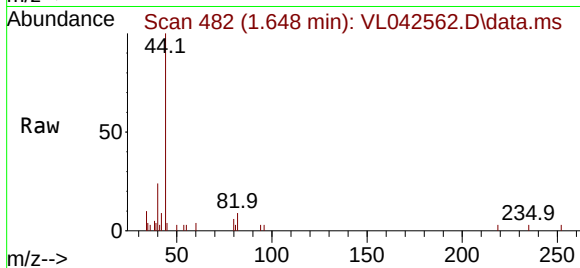




#6
Bromomethane
Concen: 0.012 ppbv
RT: 1.648 min Scan# 49
Delta R.T. -0.023 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

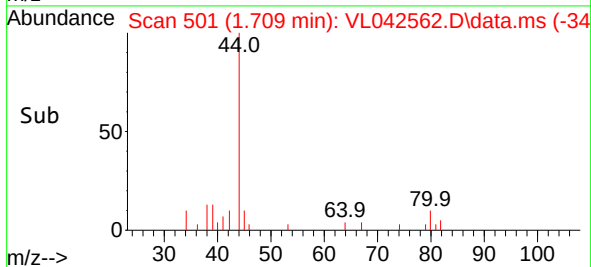
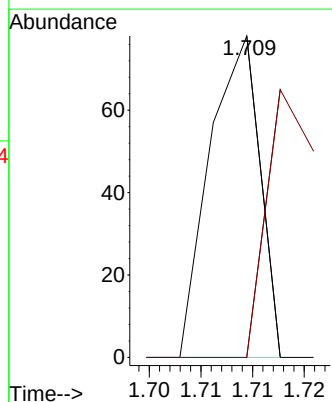
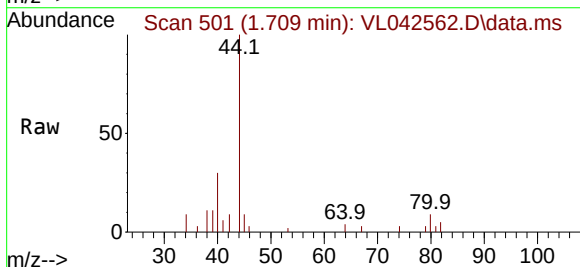
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

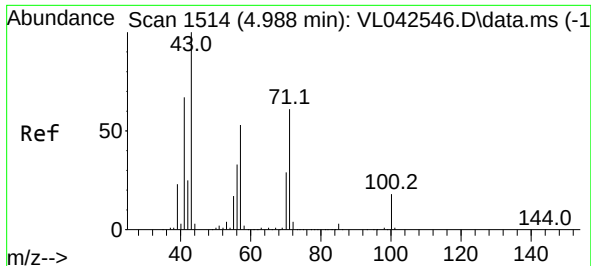
Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 71.8 74.9 112.3#



#7
Chloroethane
Concen: 0.009 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#





#10

Heptane

Concen: 0.003 ppbv

RT: 4.768 min Scan# 14

Delta R.T. -0.220 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

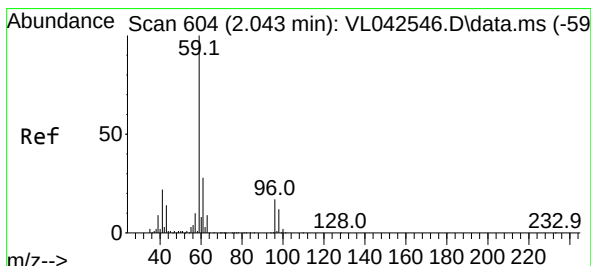
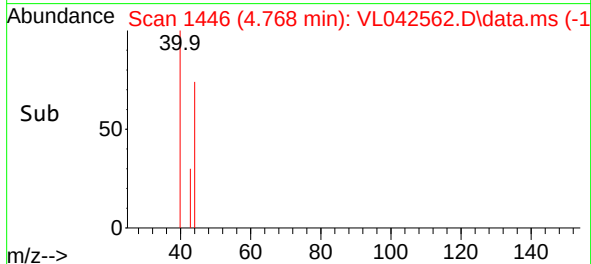
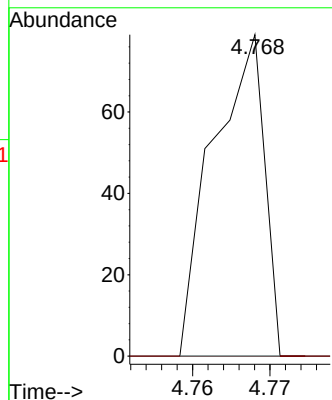
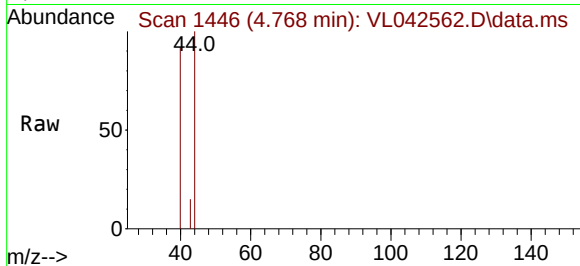
QC051925 CAN 10158

Tgt Ion: 43 Resp: 37

Ion Ratio Lower Upper

43 100

57 0.0 43.4 65.0#



#17

tert-Butyl alcohol

Concen: 0.017 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042562.D

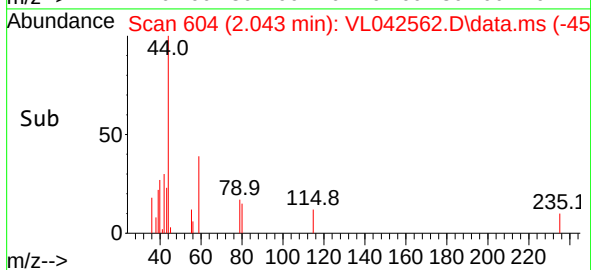
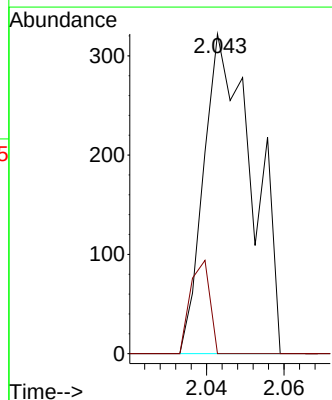
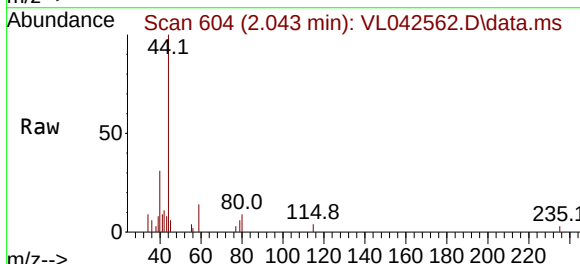
Acq: 21 May 2025 12:33

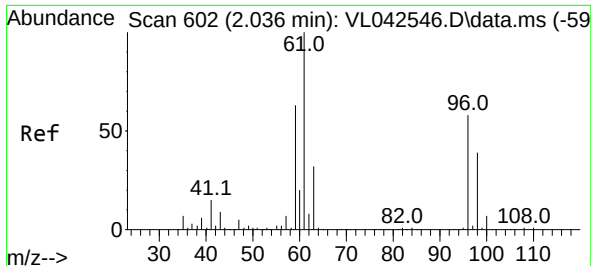
Tgt Ion: 59 Resp: 281

Ion Ratio Lower Upper

59 100

57 11.7 8.2 12.2





#18

1,1-Dichloroethene

Concen: 0.008 ppbv

RT: 2.163 min Scan# 641

Delta R.T. 0.126 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

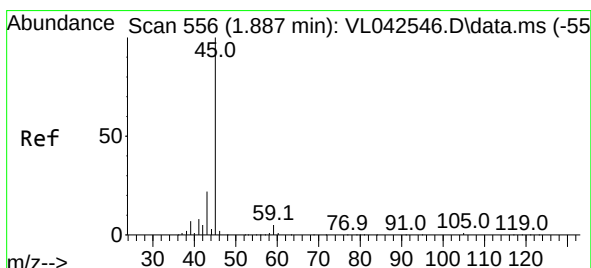
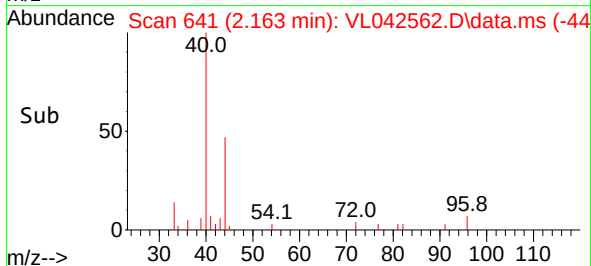
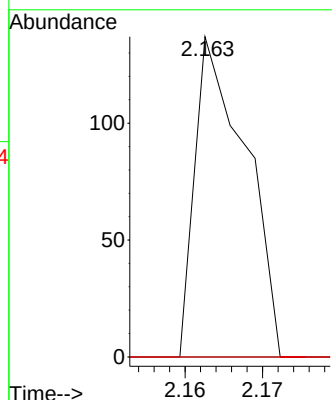
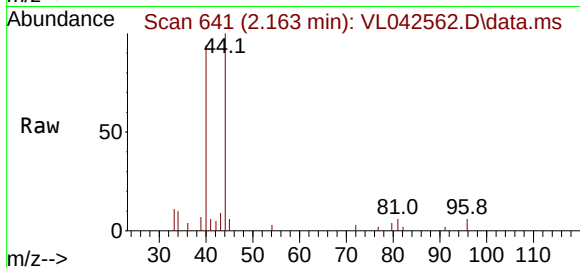
Instrument :

MSVOA_L

ClientSampleId :

QC051925 CAN 10158

Tgt Ion:	96	Resp:	62
Ion	Ratio	Lower	Upper
96	100		
61	0.0	137.5	206.3#
98	0.0	53.2	79.8#



#19

Isopropyl Alcohol

Concen: 0.021 ppbv

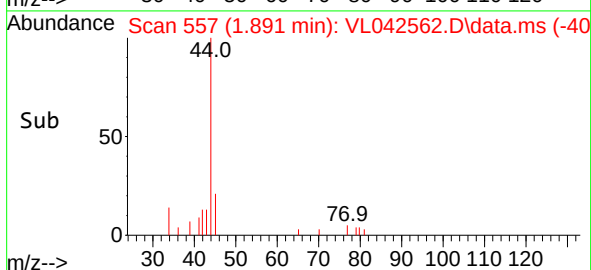
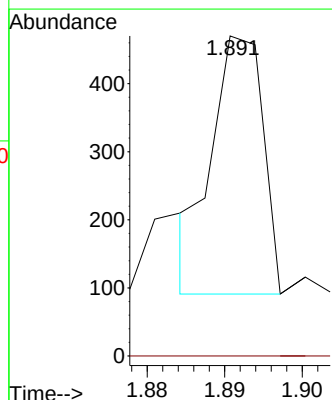
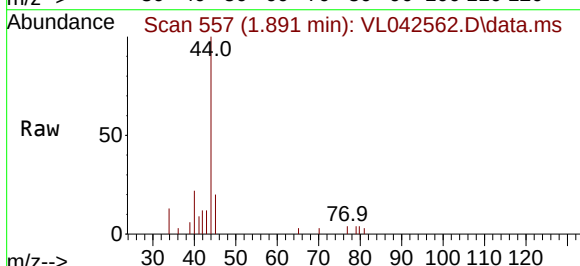
RT: 1.891 min Scan# 557

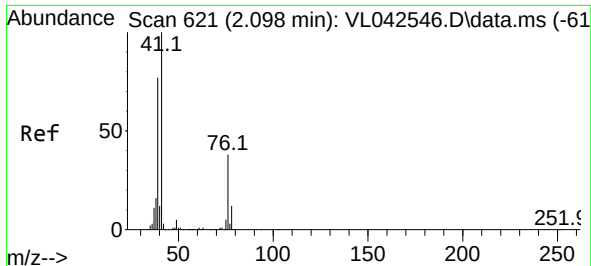
Delta R.T. 0.003 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Tgt Ion:	45	Resp:	172
Ion	Ratio	Lower	Upper
45	100		
58	0.0	35.3	52.9#

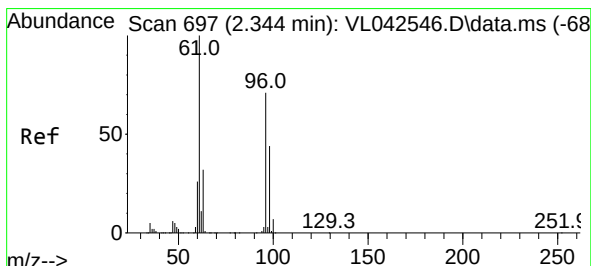
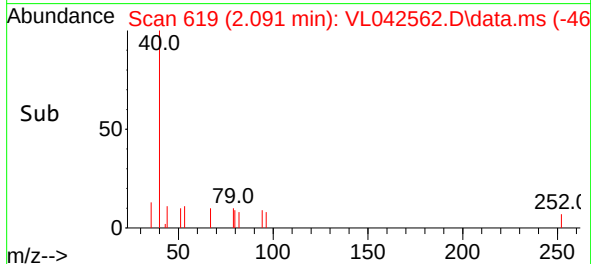
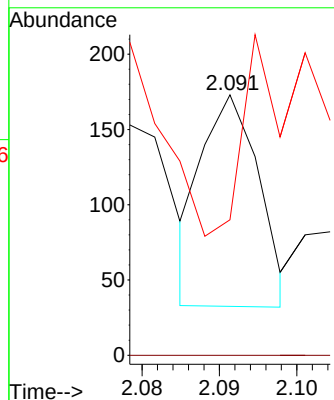
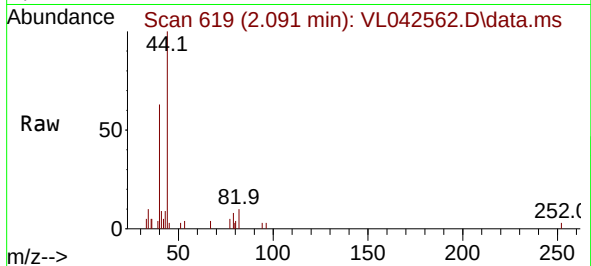




#21
 Allyl Chloride
 Concen: 0.008 ppbv
 RT: 2.091 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL042562.D
 Acq: 21 May 2025 12:33

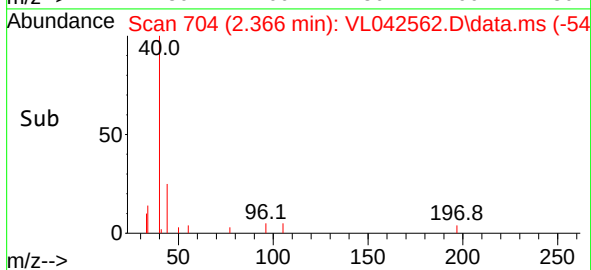
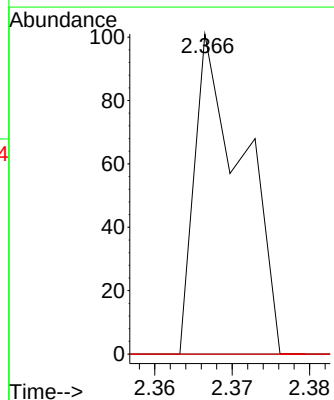
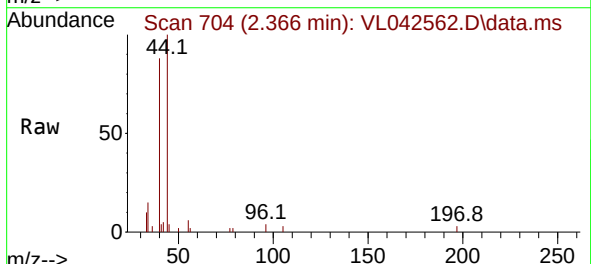
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 QC051925 CAN 10158

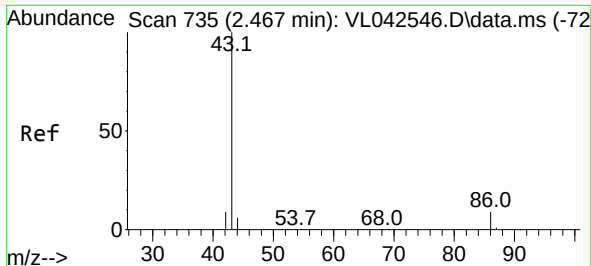
Tgt Ion:	41	Resp:	72
Ion	Ratio	Lower	Upper
41	100		
76	0.0	30.2	45.4#
39	698.6	62.5	93.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.005 ppbv
 RT: 2.366 min Scan# 704
 Delta R.T. 0.023 min
 Lab File: VL042562.D
 Acq: 21 May 2025 12:33

Tgt Ion:	96	Resp:	44
Ion	Ratio	Lower	Upper
96	100		
61	0.0	112.5	168.7#
98	0.0	49.0	73.4#

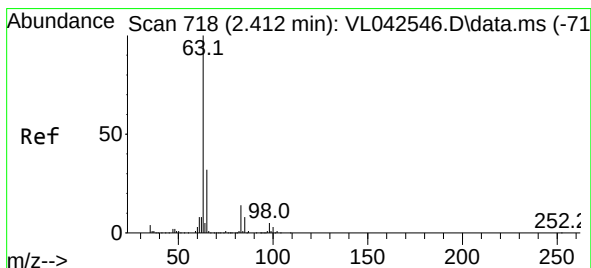
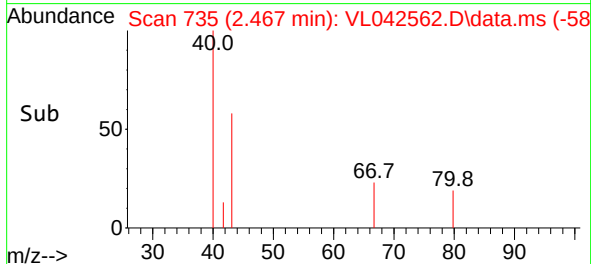
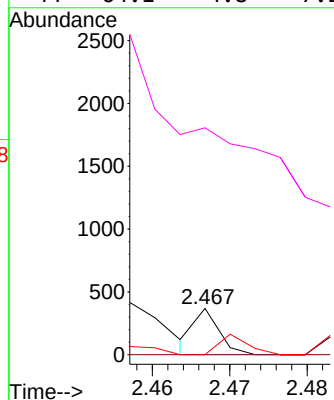
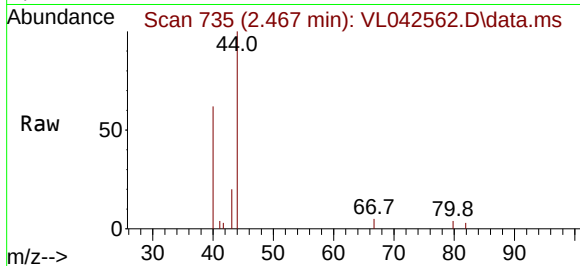




#23
 Vinyl Acetate
 Concen: 0.005 ppbv
 RT: 2.467 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL042562.D
 Acq: 21 May 2025 12:33

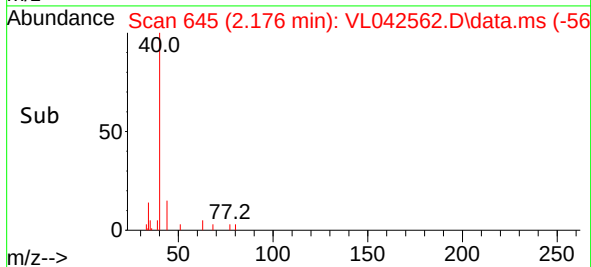
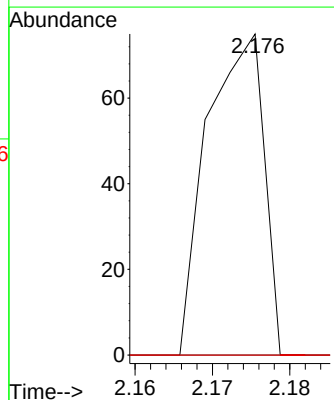
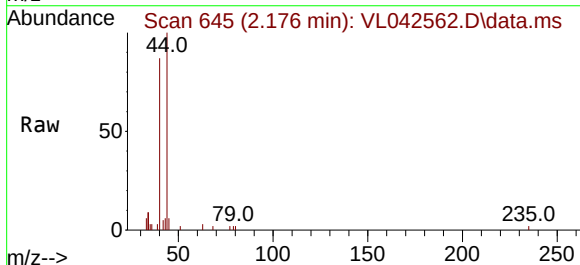
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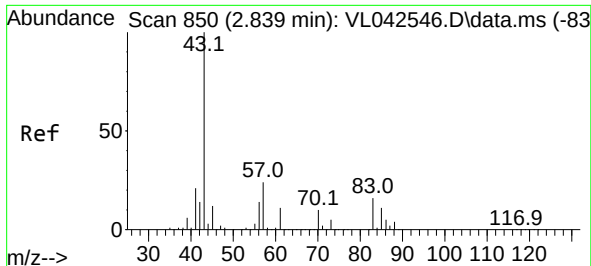
Tgt Ion:	43	Resp:	83
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.0	10.6#
42	0.0	7.4	11.2#
44	64.1	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.003 ppbv
 RT: 2.176 min Scan# 645
 Delta R.T. -0.236 min
 Lab File: VL042562.D
 Acq: 21 May 2025 12:33

Tgt Ion:	63	Resp:	38
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	7.8#
100	0.0	1.8	5.3#





#25

Ethyl Acetate

Concen: 0.001 ppbv

RT: 2.726 min Scan# 81

Delta R.T. -0.113 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

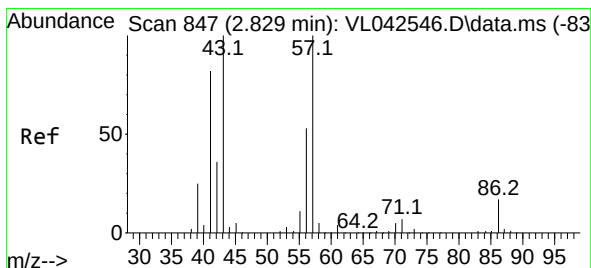
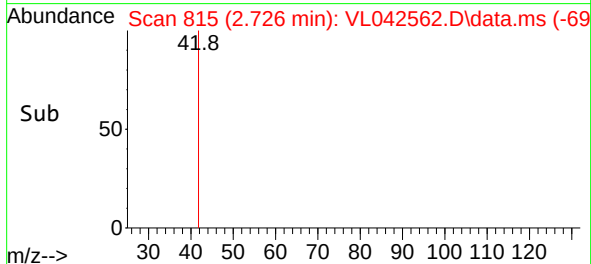
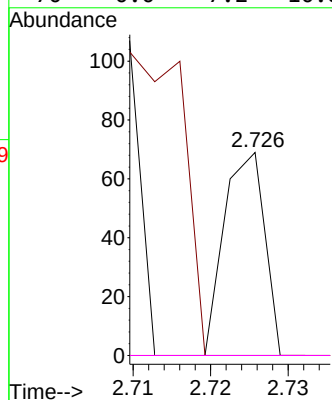
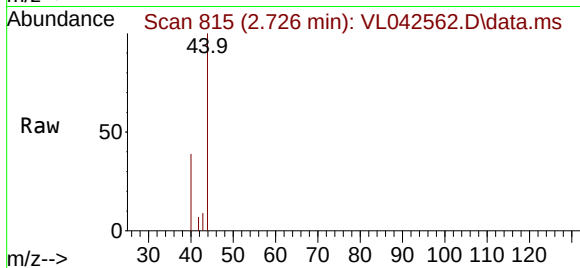
Instrument :

MSVOA_L

ClientSampleId :

QC051925 CAN 10158

Tgt Ion: 43	Resp: 25
Ion Ratio	Lower Upper
43 100	
45 184.0	8.0 12.0#
61 0.0	7.5 11.3#
70 0.0	7.2 10.8#



#26

Hexane

Concen: 0.002 ppbv

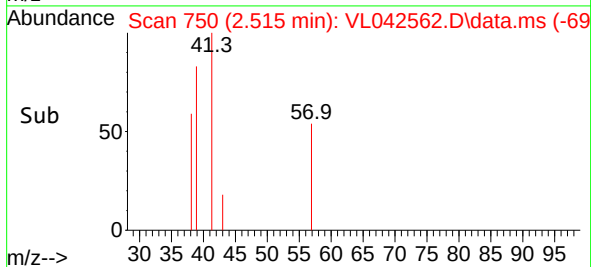
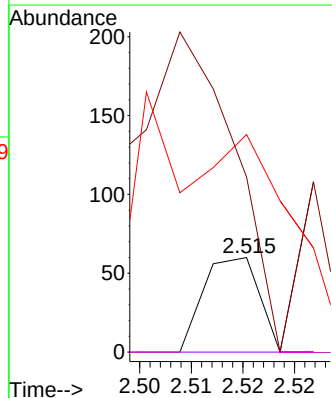
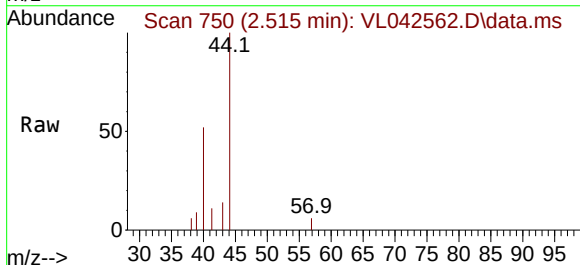
RT: 2.515 min Scan# 750

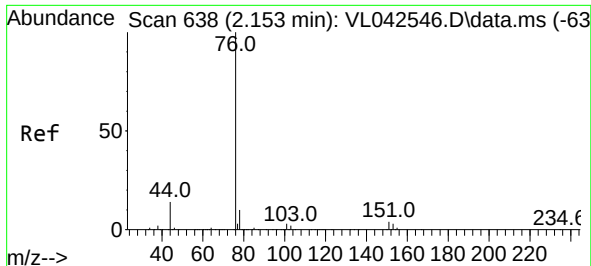
Delta R.T. -0.314 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Tgt Ion: 57	Resp: 23
Ion Ratio	Lower Upper
57 100	
41 721.7	69.0 103.4#
43 578.3	174.2 261.2#
56 0.0	44.1 66.1#





#27

Carbon Disulfide

Concen: 0.002 ppbv

RT: 1.832 min Scan# 51

Delta R.T. -0.320 min

Lab File: VL042562.D

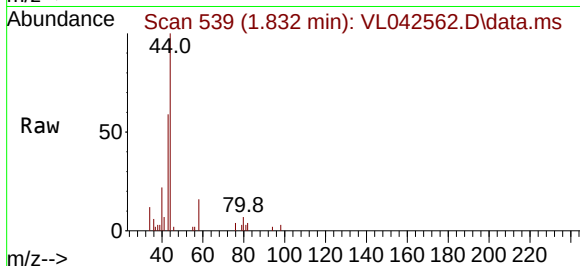
Acq: 21 May 2025 12:33

Instrument :

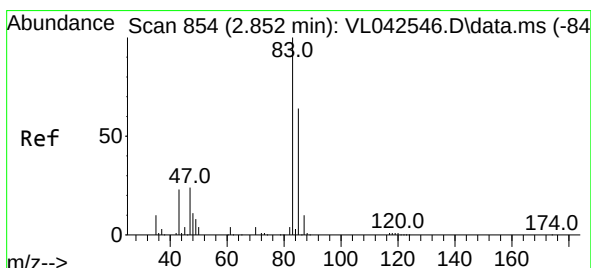
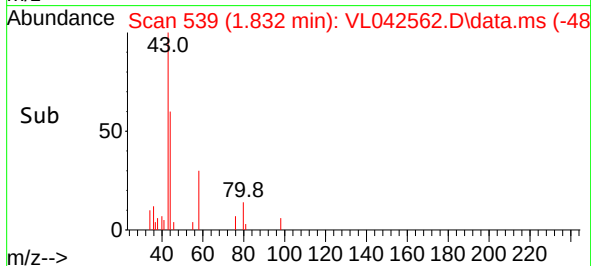
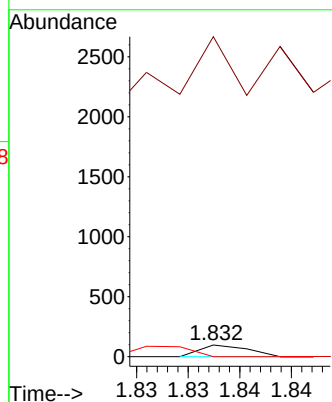
MSVOA_L

ClientSampleId :

QC051925 CAN 10158



Tgt Ion: 76	Resp: 31
Ion Ratio	Lower Upper
76	100
44	3538.7 14.0 21.0#
78	106.5 9.4 14.0#



#29

Chloroform

Concen: 0.002 ppbv

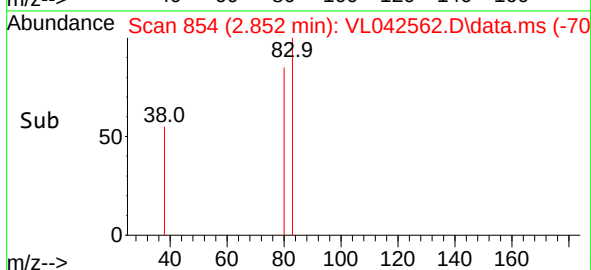
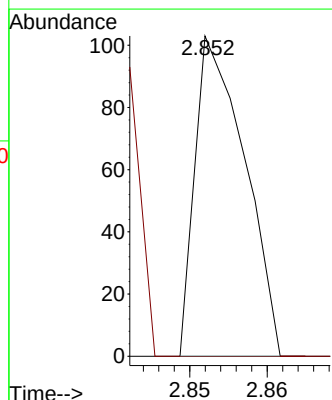
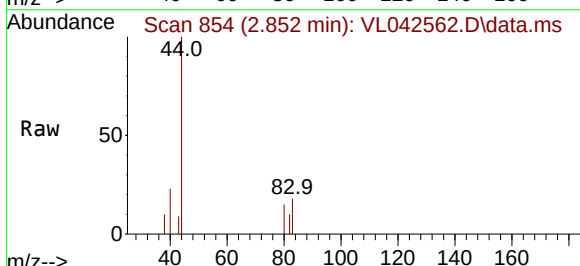
RT: 2.852 min Scan# 854

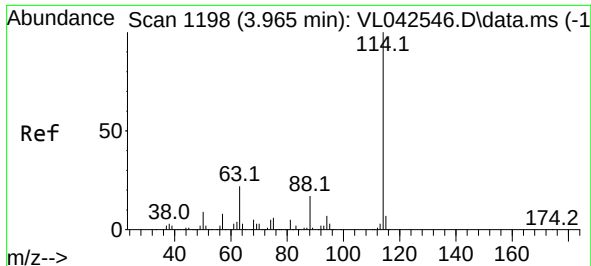
Delta R.T. 0.000 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Tgt Ion: 83	Resp: 46
Ion Ratio	Lower Upper
83	100
85	0.0 51.6 77.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.000 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

QC051925 CAN 10158

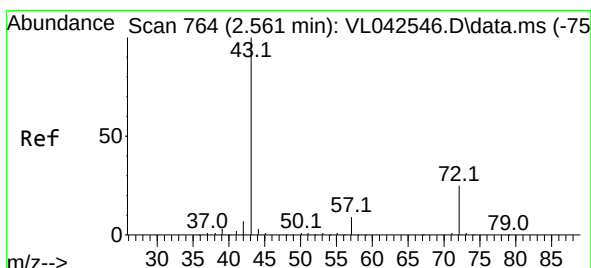
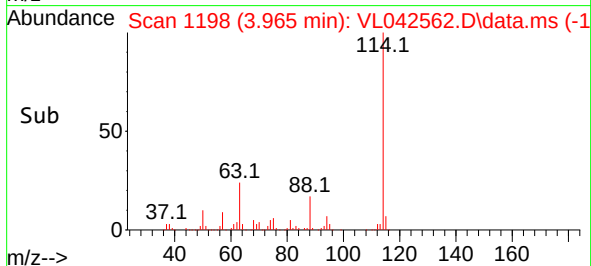
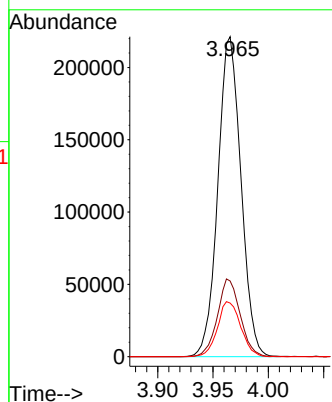
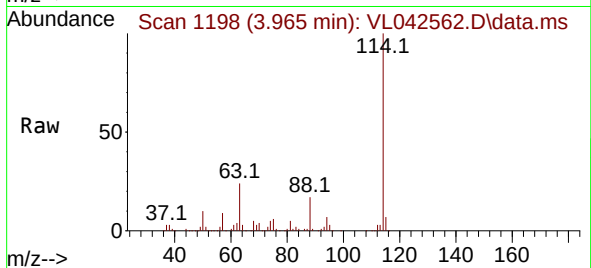
Tgt Ion:114 Resp: 321263

Ion Ratio Lower Upper

114 100

63 24.0 18.4 27.6

88 17.3 14.0 21.0



#34

2-Butanone

Concen: 0.030 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.007 min

Lab File: VL042562.D

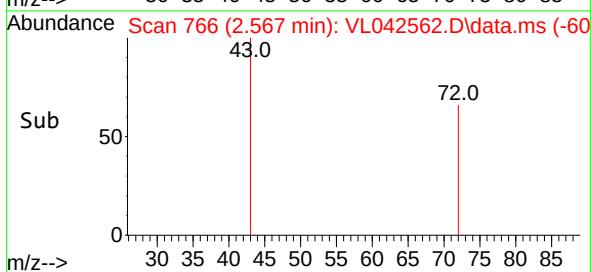
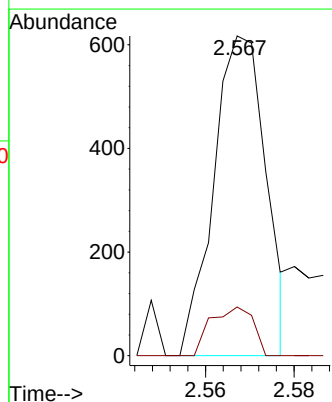
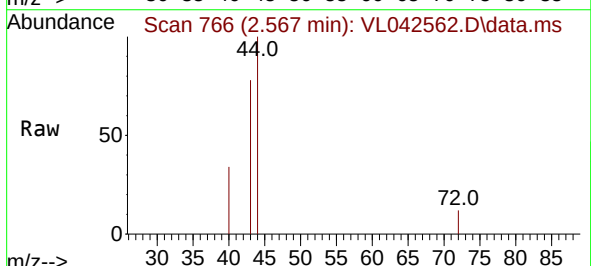
Acq: 21 May 2025 12:33

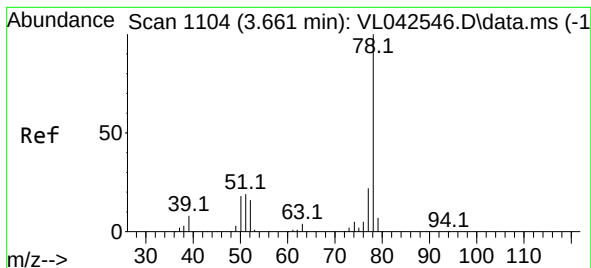
Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

72 12.2 20.5 30.7#





#36

Benzene

Concen: 0.001 ppbv

RT: 4.137 min Scan# 11

Delta R.T. 0.476 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

QC051925 CAN 10158

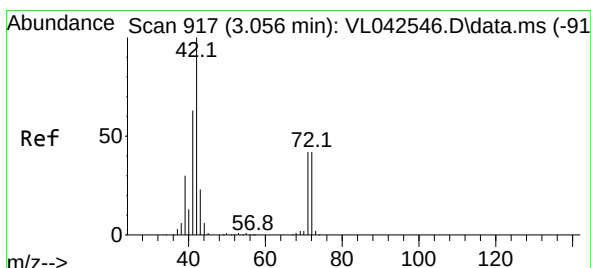
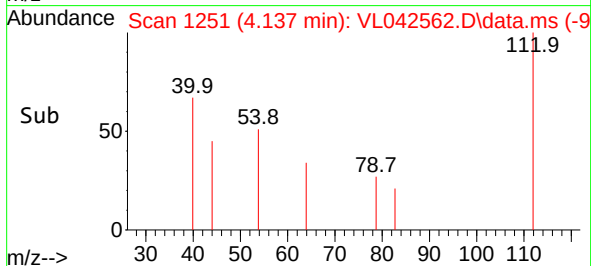
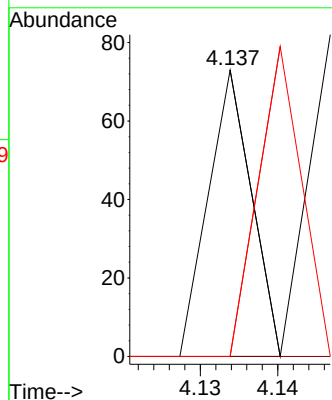
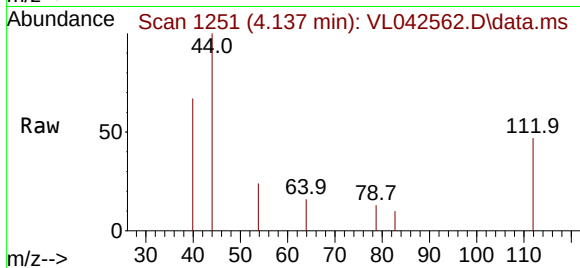
Tgt Ion: 78 Resp: 14

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: 2.803 min Scan# 839

Delta R.T. -0.252 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

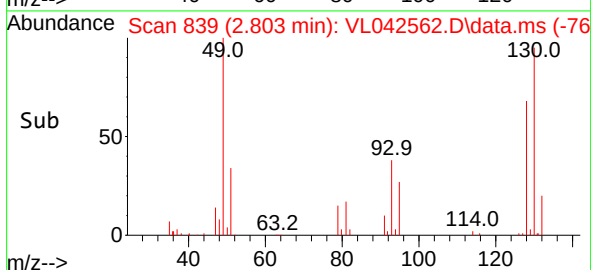
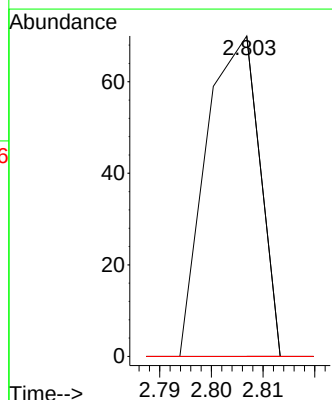
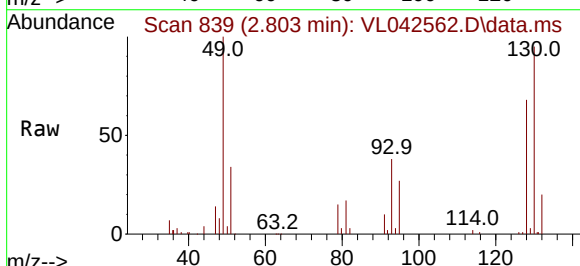
Tgt Ion: 42 Resp: 25

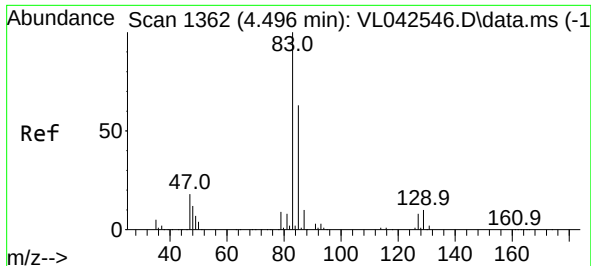
Ion Ratio Lower Upper

42 100

72 0.0 34.8 52.2#

71 0.0 33.6 50.4#

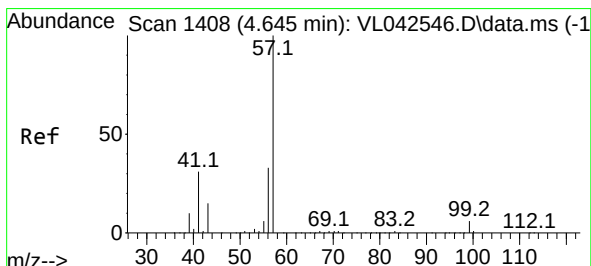
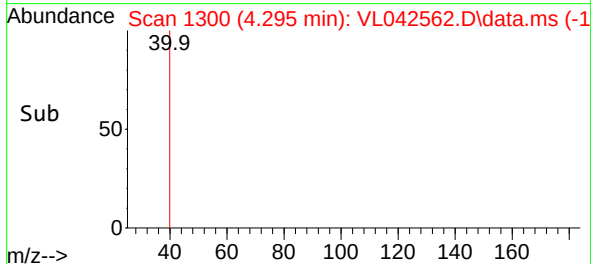
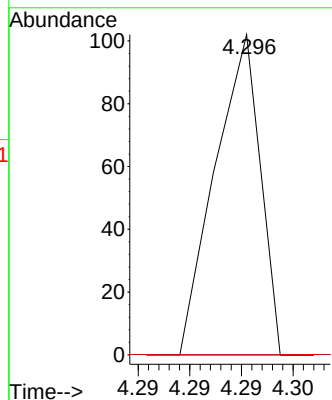
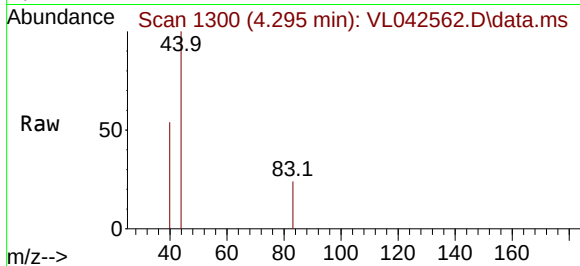




#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 4.295 min Scan# 11
Delta R.T. -0.201 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

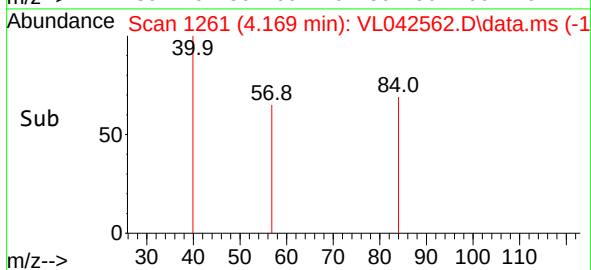
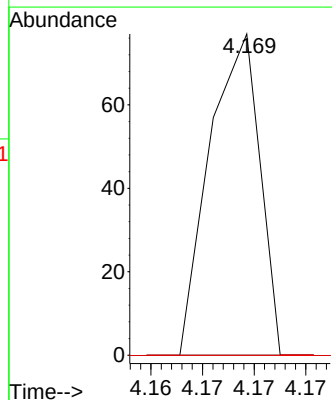
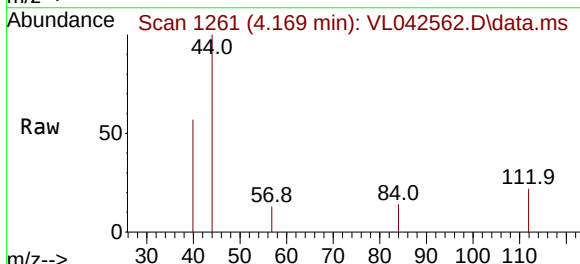
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

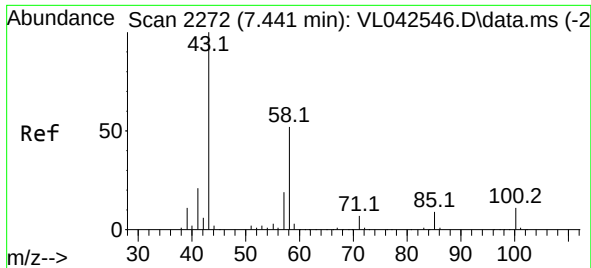
Tgt Ion: 83 Resp: 31
Ion Ratio Lower Upper
83 100
85 0.0 50.4 75.6#
127 0.0 6.5 9.7#



#44
2,2,4-Trimethylpentane
Concen: 0.001 ppbv
RT: 4.169 min Scan# 1261
Delta R.T. -0.476 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 57 Resp: 26
Ion Ratio Lower Upper
57 100
41 0.0 25.0 37.4#
56 88.5 25.1 37.7#

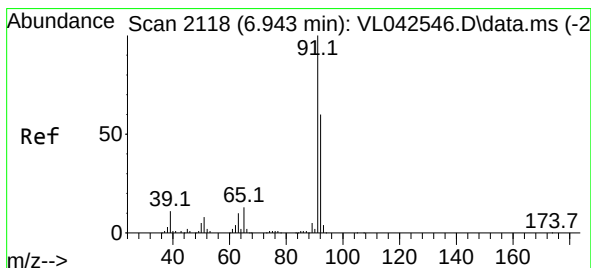
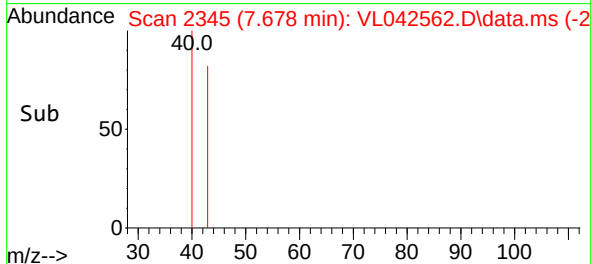
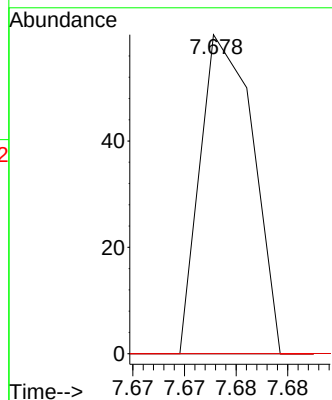
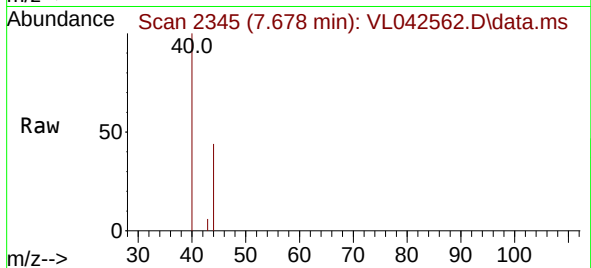




#51
2-Hexanone
Concen: 0.001 ppbv
RT: 7.678 min Scan# 21
Delta R.T. 0.236 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

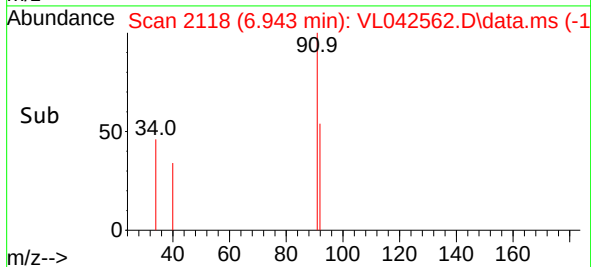
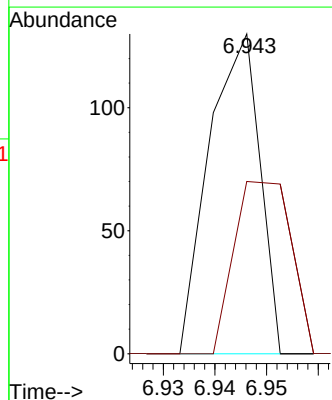
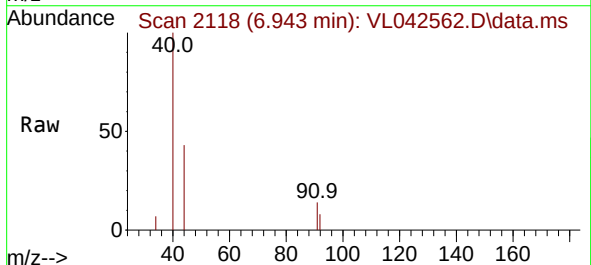
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

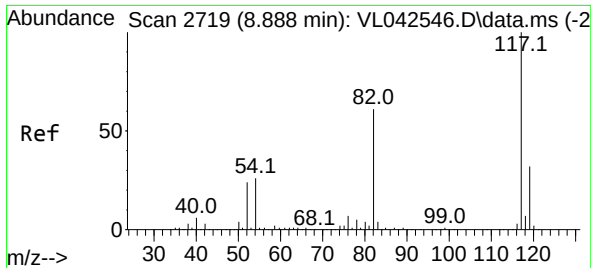
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.2#
98 0.0 0.4 0.6#



#53
Toluene
Concen: 0.002 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 91 Resp: 44
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.8#

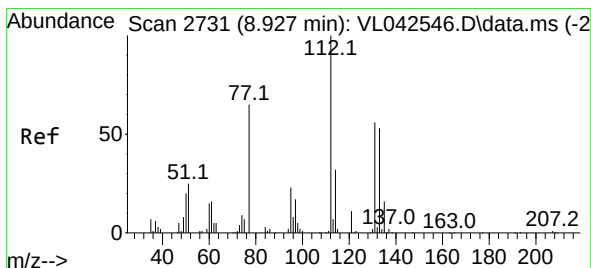
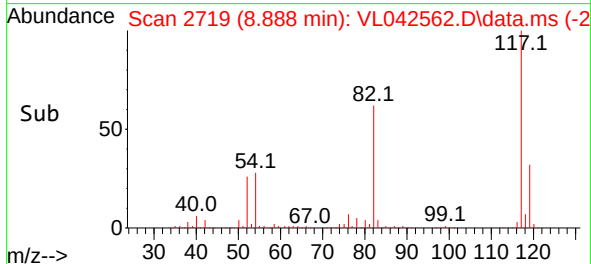
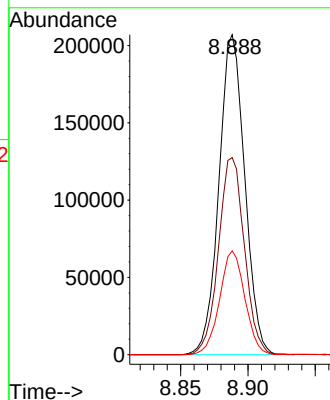
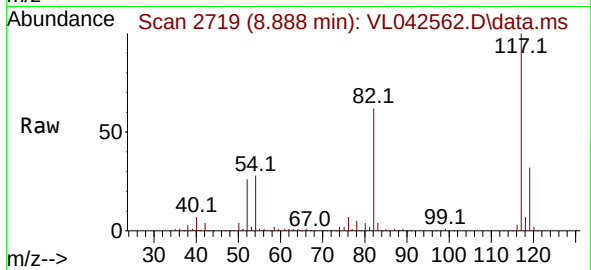




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

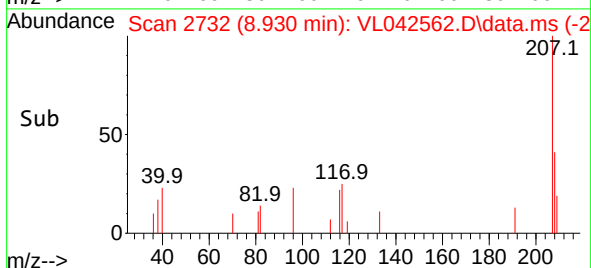
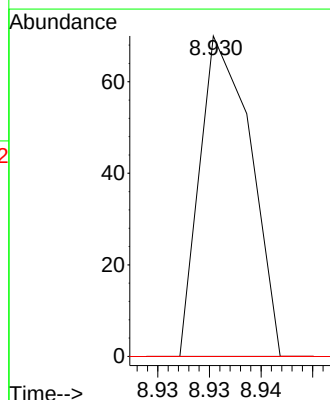
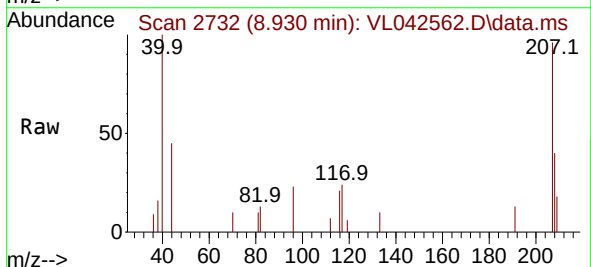
Instrument :
MSVOA_1
ClientSampleId :
QC051925 CAN 10158

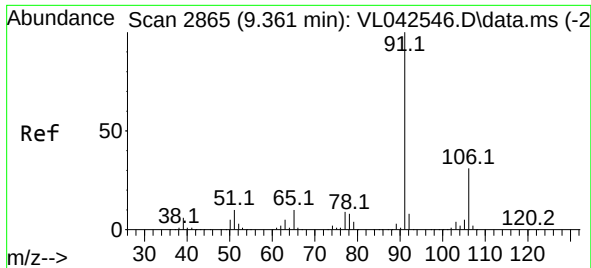
Tgt Ion:117 Resp: 276069
Ion Ratio Lower Upper
117 100
82 61.9 51.0 76.4
119 31.9 27.0 40.4



#57
Chlorobenzene
Concen: 0.001 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

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

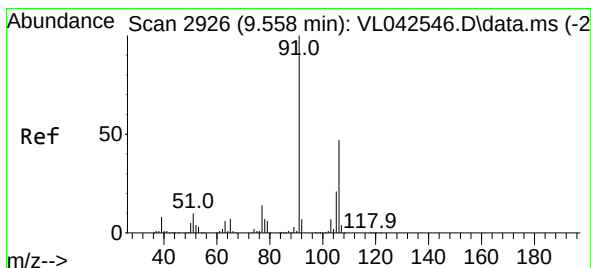
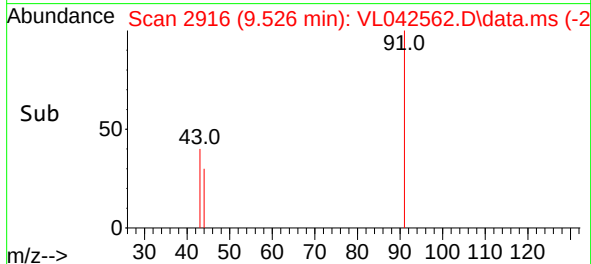
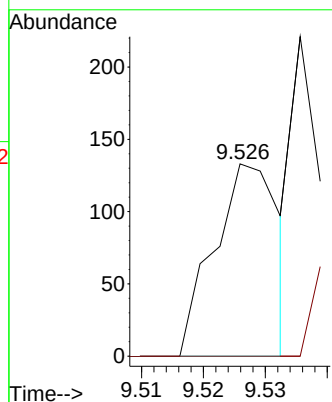
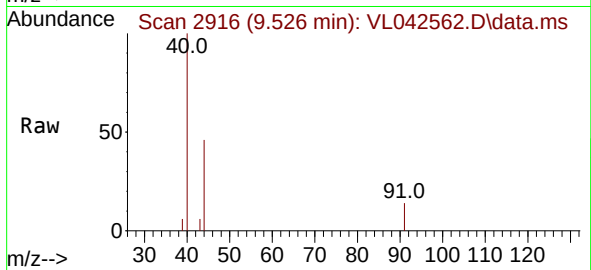




#58
Ethyl Benzene
Concen: 0.003 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. 0.165 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

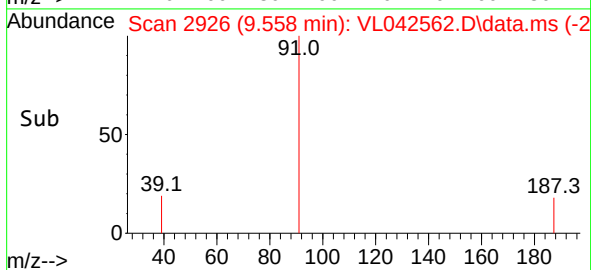
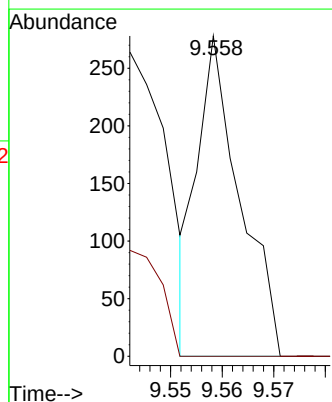
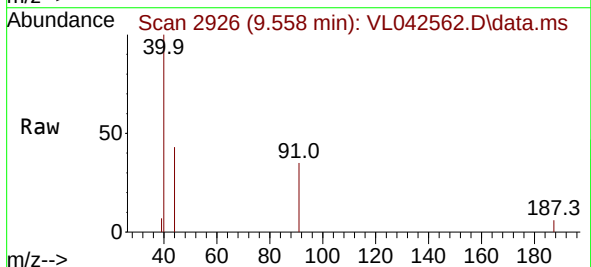
Instrument : MSVOA_L
ClientSampleId : QC051925 CAN 10158

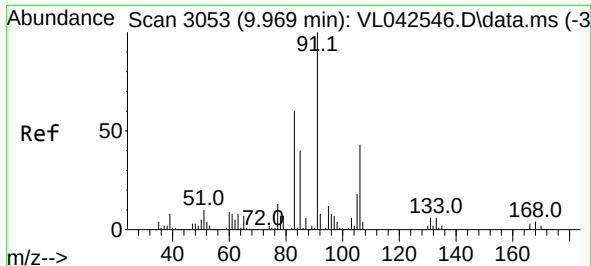
Tgt Ion: 91 Resp: 97
Ion Ratio Lower Upper
91 100
106 0.0 24.6 37.0#



#59
m/p-Xylene
Concen: 0.005 ppbv
RT: 9.558 min Scan# 2926
Delta R.T. 0.000 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 91 Resp: 158
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#

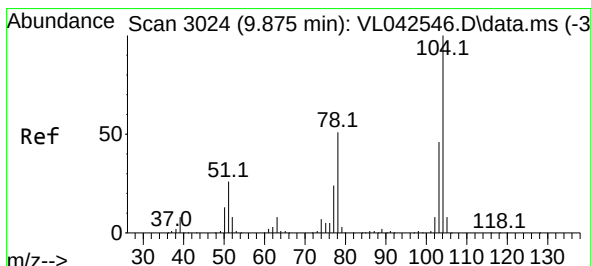
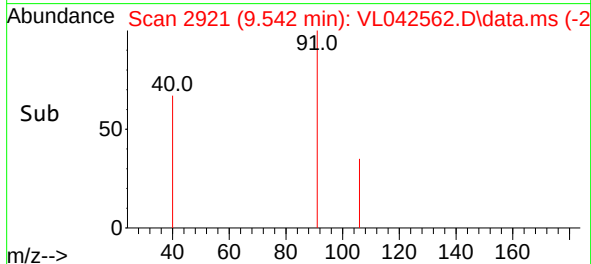
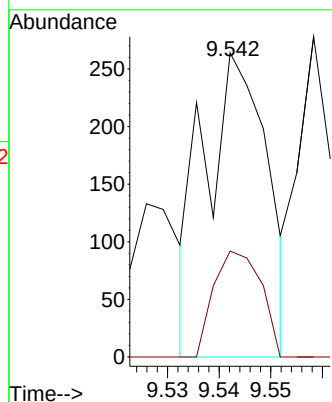
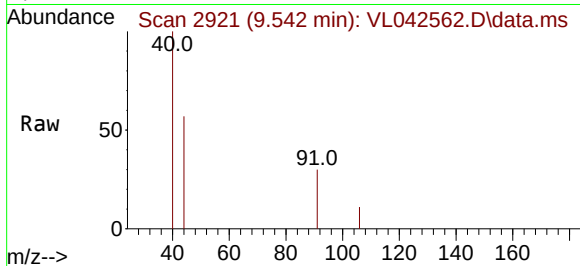




#60
o-Xylene
Concen: 0.007 ppbv
RT: 9.542 min Scan# 29
Delta R.T. -0.427 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

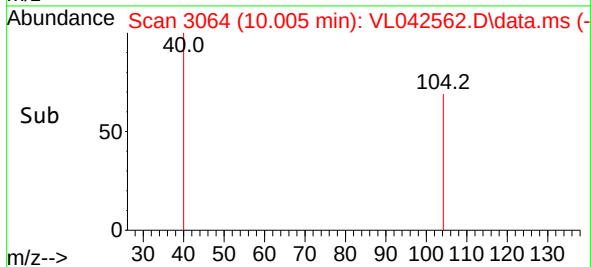
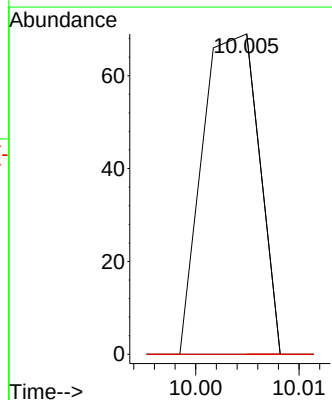
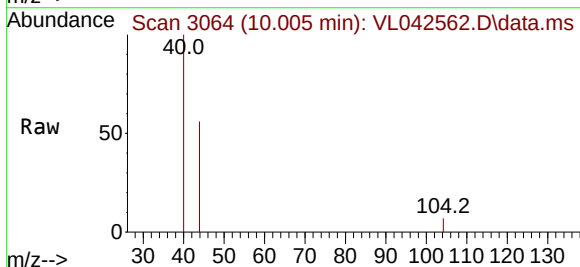
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

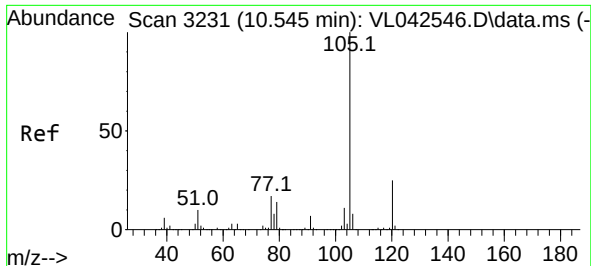
Tgt Ion: 91 Resp: 222
Ion Ratio Lower Upper
91 100
106 26.6 21.6 64.8



#61
Styrene
Concen: 0.002 ppbv
RT: 10.005 min Scan# 3064
Delta R.T. 0.130 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 104 Resp: 26
Ion Ratio Lower Upper
104 100
78 0.0 39.2 58.8#
103 0.0 37.1 55.7#

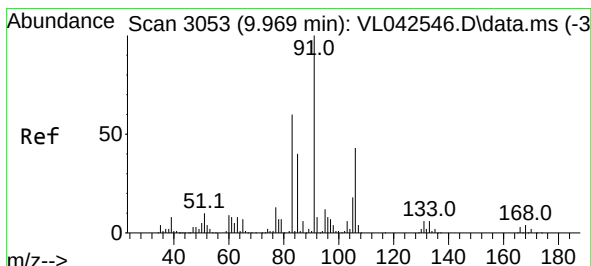
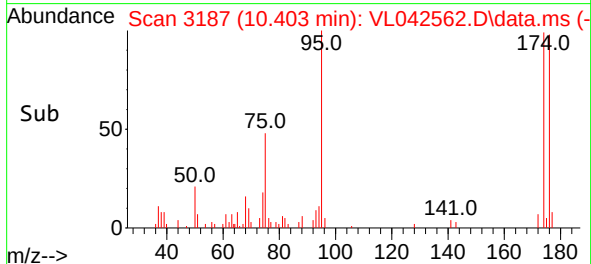
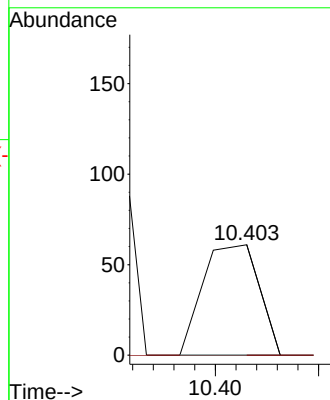
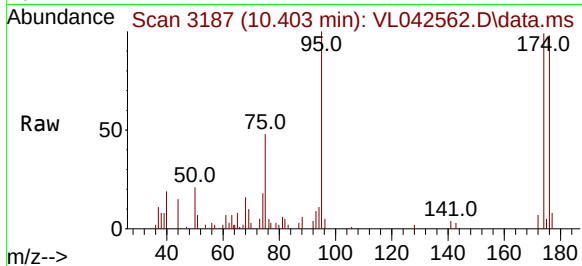




#62
Isopropylbenzene
Concen: 0.000 ppbv
RT: 10.403 min Scan# 3187
Delta R.T. -0.142 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

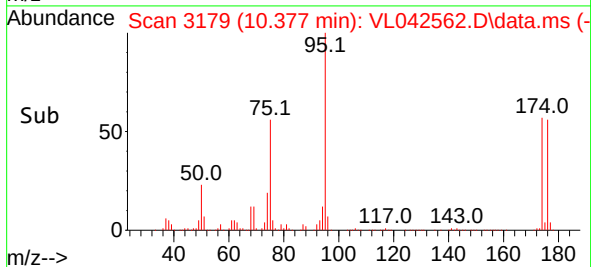
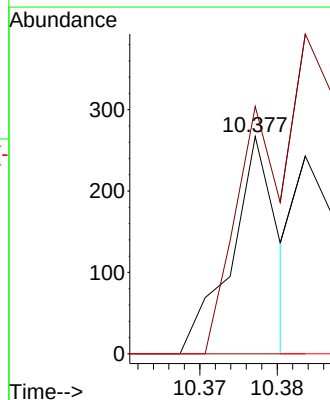
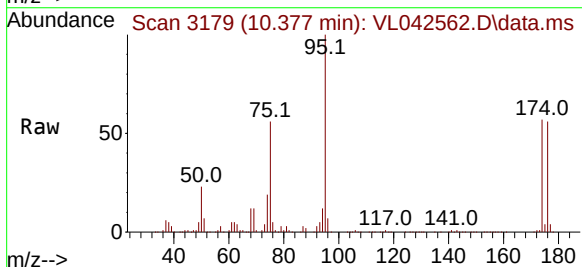
Instrument : MSVOA_L
ClientSampleId : QC051925 CAN 10158

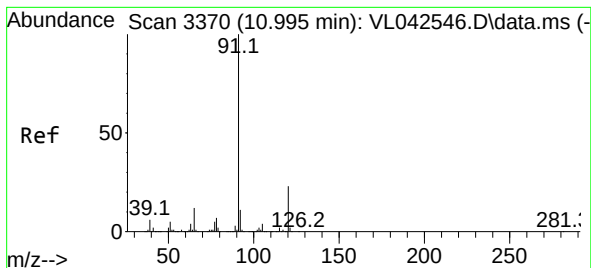
Tgt Ion:105 Resp: 23
Ion Ratio Lower Upper
105 100
120 0.0 20.0 30.0#



#63
1,1,2,2-Tetrachloroethane
Concen: 0.005 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.408 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 83 Resp: 110
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 0.0 32.5 97.4#





#64

n-propylbenzene

Concen: 0.021 ppbv

RT: 11.099 min Scan# 3402

Delta R.T. 0.104 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

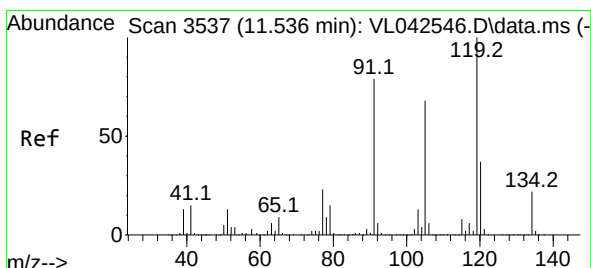
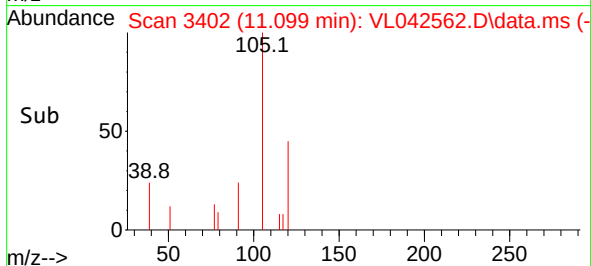
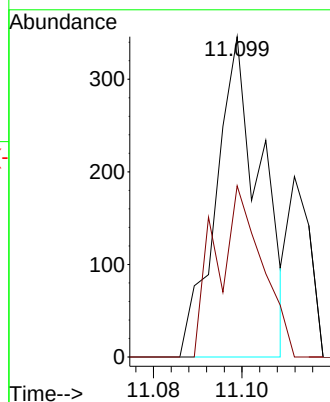
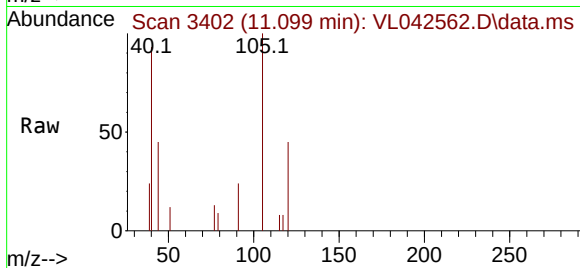
QC051925 CAN 10158

Tgt Ion:120 Resp: 245

Ion Ratio Lower Upper

120 100

91 54.3 367.0 550.4#



#65

tert-Butylbenzene

Concen: 0.005 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

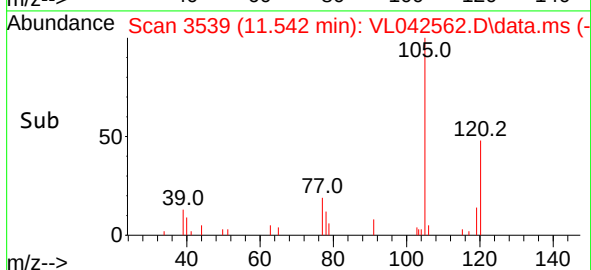
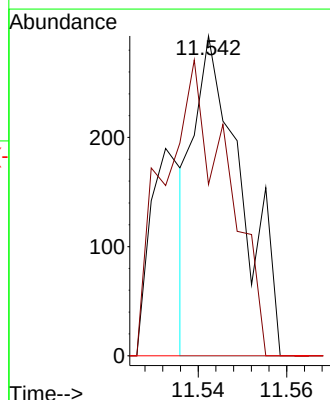
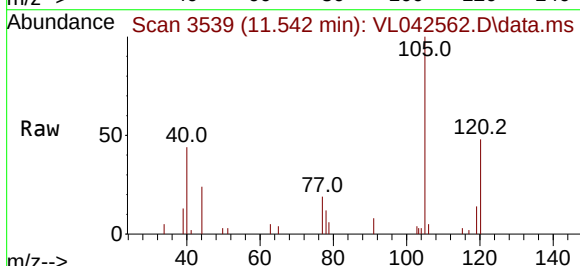
Tgt Ion:119 Resp: 219

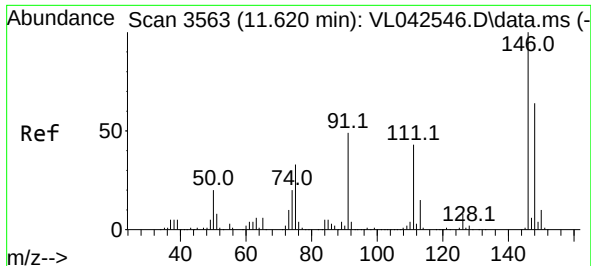
Ion Ratio Lower Upper

119 100

91 132.9 62.7 94.1#

134 0.0 16.8 25.2#

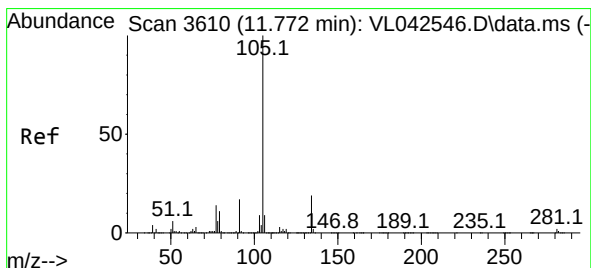
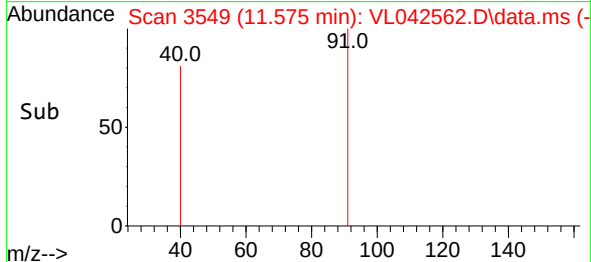
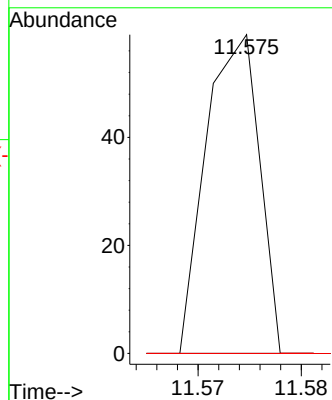
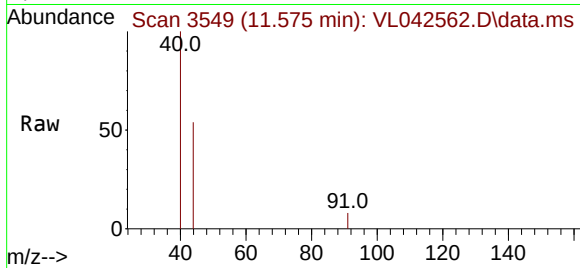




#66
Benzyl Chloride
Concen: 0.004 ppbv
RT: 11.575 min Scan# 31
Delta R.T. -0.045 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

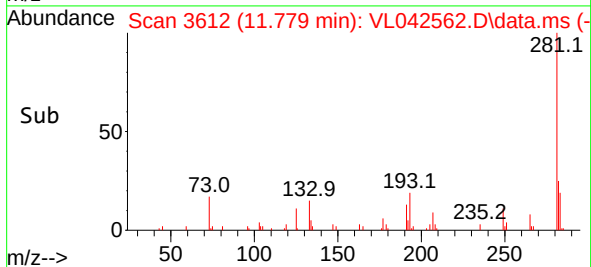
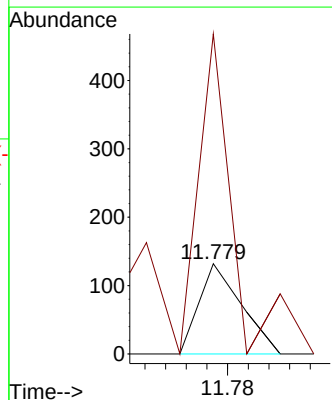
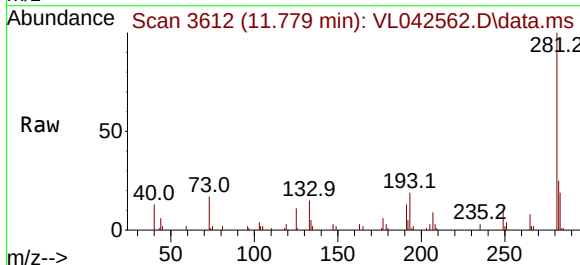
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

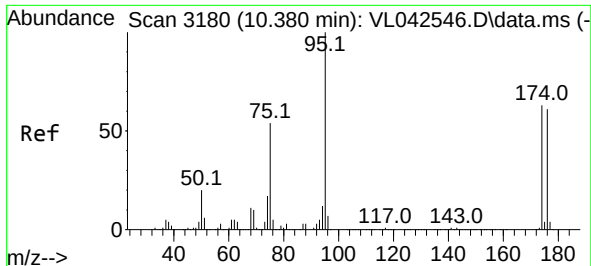
Tgt Ion: 91 Resp: 21
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.2#
128 0.0 4.6 6.8#



#67
sec-Butylbenzene
Concen: 0.001 ppbv
RT: 11.779 min Scan# 3612
Delta R.T. 0.007 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 105 Resp: 37
Ion Ratio Lower Upper
105 100
134 500.0 15.4 23.2#

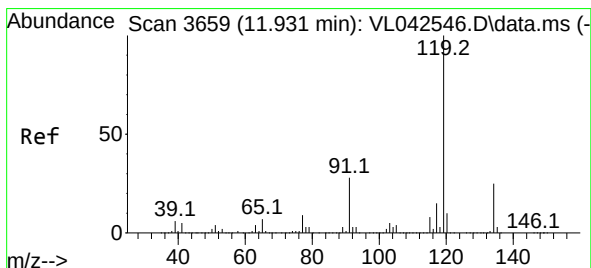
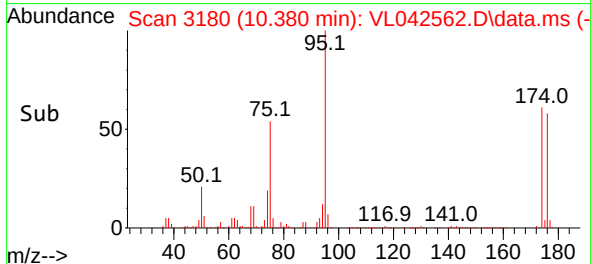
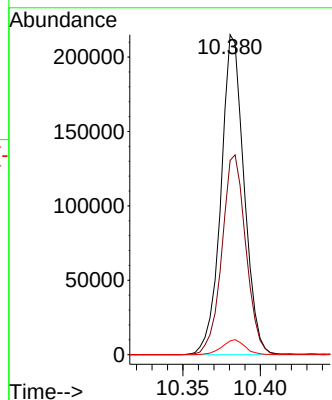
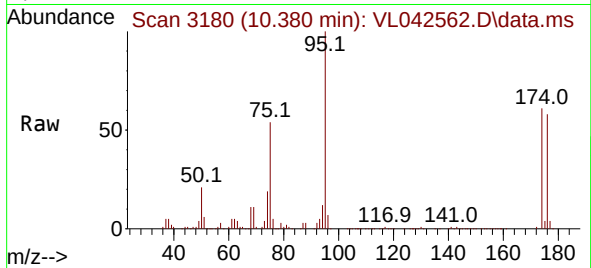




#68
1-Bromo-4-Fluorobenzene
Concen: 10.083 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

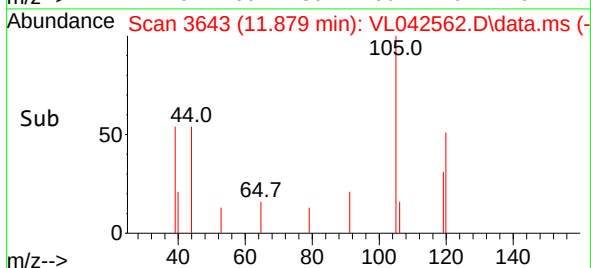
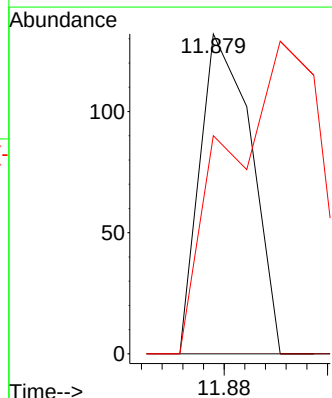
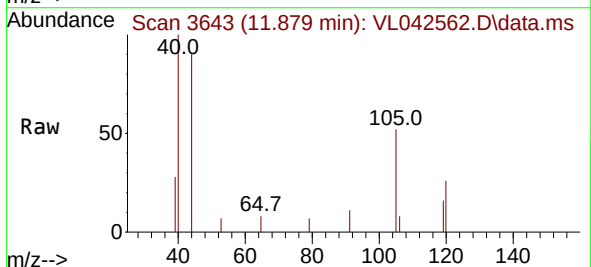
Instrument :
MSVOA_1
ClientSampleId :
QC051925 CAN 10158

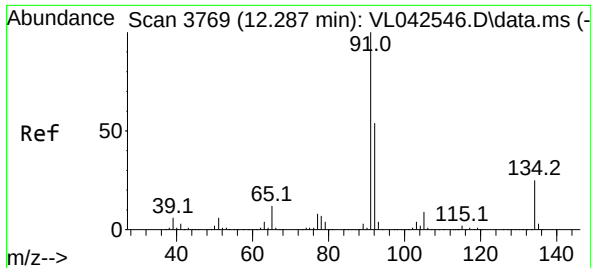
Tgt Ion: 95 Resp: 222792
Ion Ratio Lower Upper
95 100
174 65.2 52.0 78.0
175 4.7 3.8 5.6



#69
p-Isopropyltoluene
Concen: 0.001 ppbv
RT: 11.879 min Scan# 3643
Delta R.T. -0.052 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 119 Resp: 45
Ion Ratio Lower Upper
119 100
134 0.0 20.1 30.1#
91 177.8 22.3 33.5#

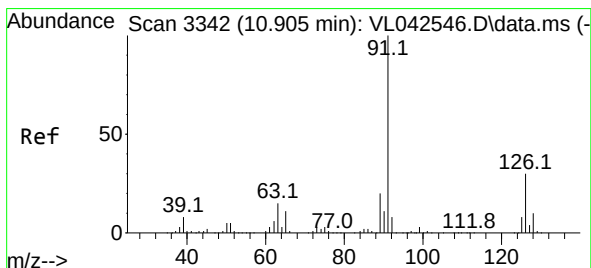
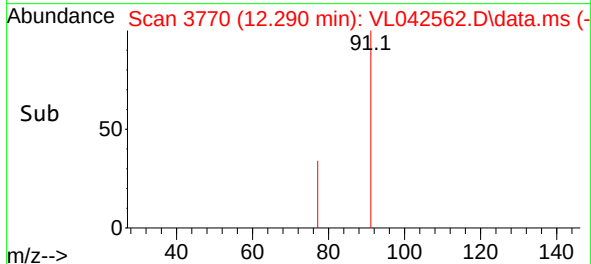
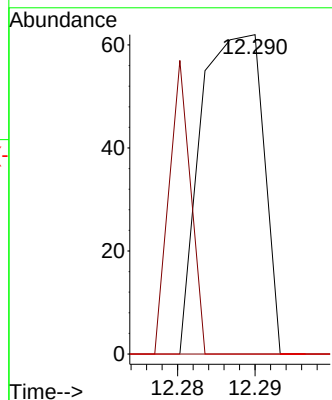
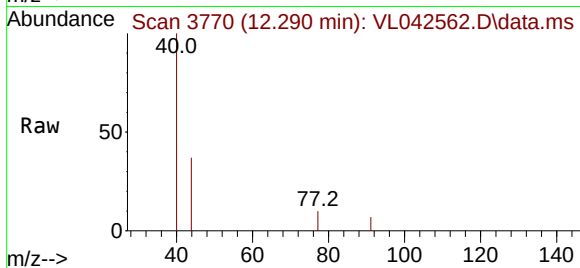




#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 12.290 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

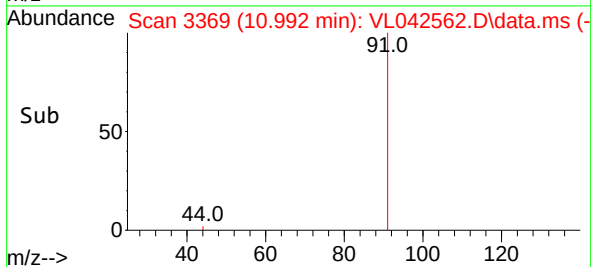
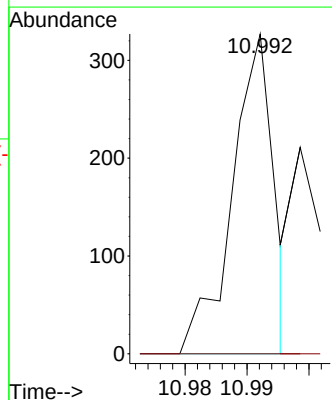
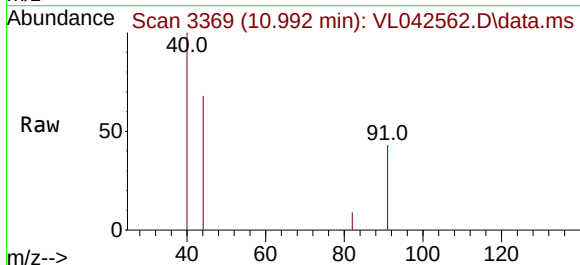
Instrument :
MSVOA_L
ClientSampleId :
QC051925 CAN 10158

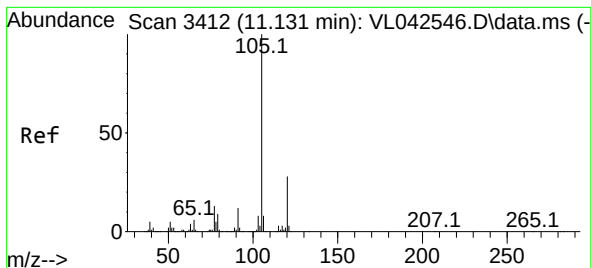
Tgt Ion: 91 Resp: 35
Ion Ratio Lower Upper
91 100
92 0.0 43.8 65.6#
134 62.9 19.7 29.5#



#71
2-Chlorotoluene
Concen: 0.005 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.087 min
Lab File: VL042562.D
Acq: 21 May 2025 12:33

Tgt Ion: 91 Resp: 153
Ion Ratio Lower Upper
91 100
126 0.0 12.4 49.4#





#72

4-Ethyltoluene

Concen: 0.003 ppbv

RT: 11.135 min Scan# 3412

Delta R.T. 0.003 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Instrument :

MSVOA_L

ClientSampleId :

QC051925 CAN 10158

Tgt Ion:105 Resp: 115

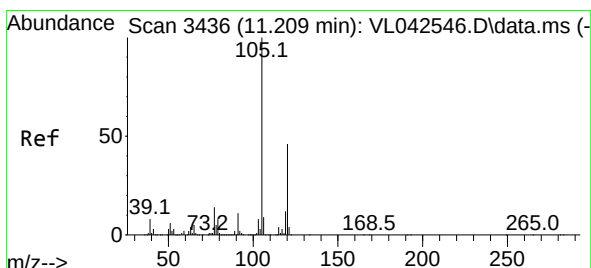
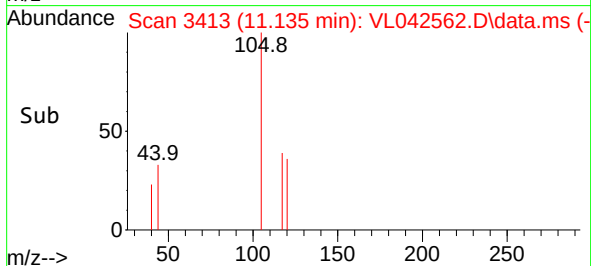
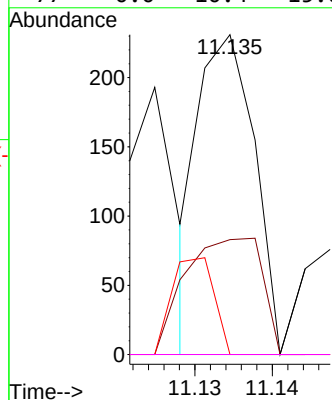
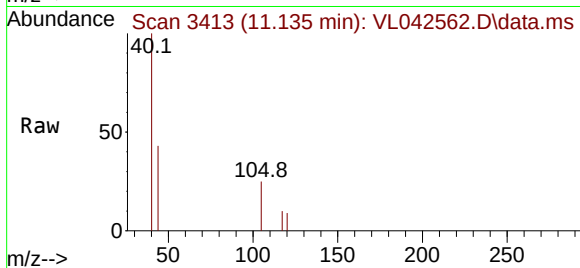
Ion Ratio Lower Upper

105 100

120 50.4 23.4 35.0#

91 23.5 10.2 15.4#

77 0.0 10.4 15.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.015 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042562.D

Acq: 21 May 2025 12:33

Tgt Ion:105 Resp: 495

Ion Ratio Lower Upper

105 100

120 25.7 36.5 54.7#

