

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042594.D
 Acq On : 29 May 2025 20:05
 Operator : SY/MD
 Sample : Q2124-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Quant Time: May 30 02:13:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	109883	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	315583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	284413	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	210817	9.888	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1779	0.132	ppbv #	88
3) Chlorodifluoromethane	1.473	51	3355	0.180	ppbv #	81
4) Chloromethane	1.528	50	463	0.087	ppbv #	42
5) Vinyl Chloride	1.486	62	4620	0.848	ppbv #	45
7) Chloroethane	1.703	64	104	0.049	ppbv #	1
9) Propene	1.483	41	9238	1.233	ppbv	95
10) Heptane	4.994	43	13912	0.659	ppbv	98
13) Ethanol	1.440	45	106568	119.383	ppbv #	39
15) Acetone	1.842	43	27951	2.112	ppbv #	84
16) 1,3-Butadiene	1.618	39	2293	0.366	ppbv #	13
17) tert-Butyl alcohol	2.049	59	855	0.062	ppbv #	50
19) Isopropyl Alcohol	1.440	45	106568	13.468	ppbv #	40
20) Methylene Chloride	2.072	84	1525	0.349	ppbv	83
23) Vinyl Acetate	2.483	43	2983	0.167	ppbv #	68
25) Ethyl Acetate	2.832	43	49973	1.380	ppbv #	78
26) Hexane	2.835	57	70521	4.285	ppbv #	41
27) Carbon Disulfide	2.156	76	20835	1.649	ppbv #	1
29) Chloroform	2.858	83	41250	1.927	ppbv	99
30) Cyclohexane	3.868	84	2359	0.173	ppbv #	87
34) 2-Butanone	2.567	43	28702	1.275	ppbv	99
35) Carbon Tetrachloride	3.777	117	1545	0.074	ppbv #	89
36) Benzene	3.670	78	1862	0.060	ppbv #	89
39) 1,2-Dichloropropane	3.968	63	77043	6.704	ppbv #	24
41) Tetrahydrofuran	3.068	42	8835	0.671	ppbv	97
42) Bromodichloromethane	4.506	83	1249	0.057	ppbv #	67
51) 2-Hexanone	7.454	43	19335	0.781	ppbv #	86
52) Tetrachloroethene	8.234	164	26326	2.267	ppbv	91
53) Toluene	6.946	91	54297	1.512	ppbv	98
57) Chlorobenzene	8.891	112	925	0.033	ppbv #	70
58) Ethyl Benzene	9.364	91	33818	0.701	ppbv	89
59) m/p-Xylene	9.539	91	60849	1.603	ppbv	99
60) o-Xylene	9.972	91	30572	0.807	ppbv	100
62) Isopropylbenzene	10.548	105	14864	0.266	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	7299	0.303	ppbv #	25
64) n-propylbenzene	10.995	120	7829	0.522	ppbv	87
65) tert-Butylbenzene	11.545	119	5027	0.099	ppbv #	42
66) Benzyl Chloride	11.613	91	205	0.031	ppbv #	64
67) sec-Butylbenzene	11.885	105	12582	0.176	ppbv	98
69) p-Isopropyltoluene	11.934	119	11768	0.197	ppbv	97
71) 2-Chlorotoluene	11.105	91	7104	0.166	ppbv	89
72) 4-Ethyltoluene	11.134	105	17745	0.376	ppbv #	52
73) 1,3,5-Trimethylbenzene	11.212	105	19330	0.495	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	40578	0.936	ppbv #	66

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SV3

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

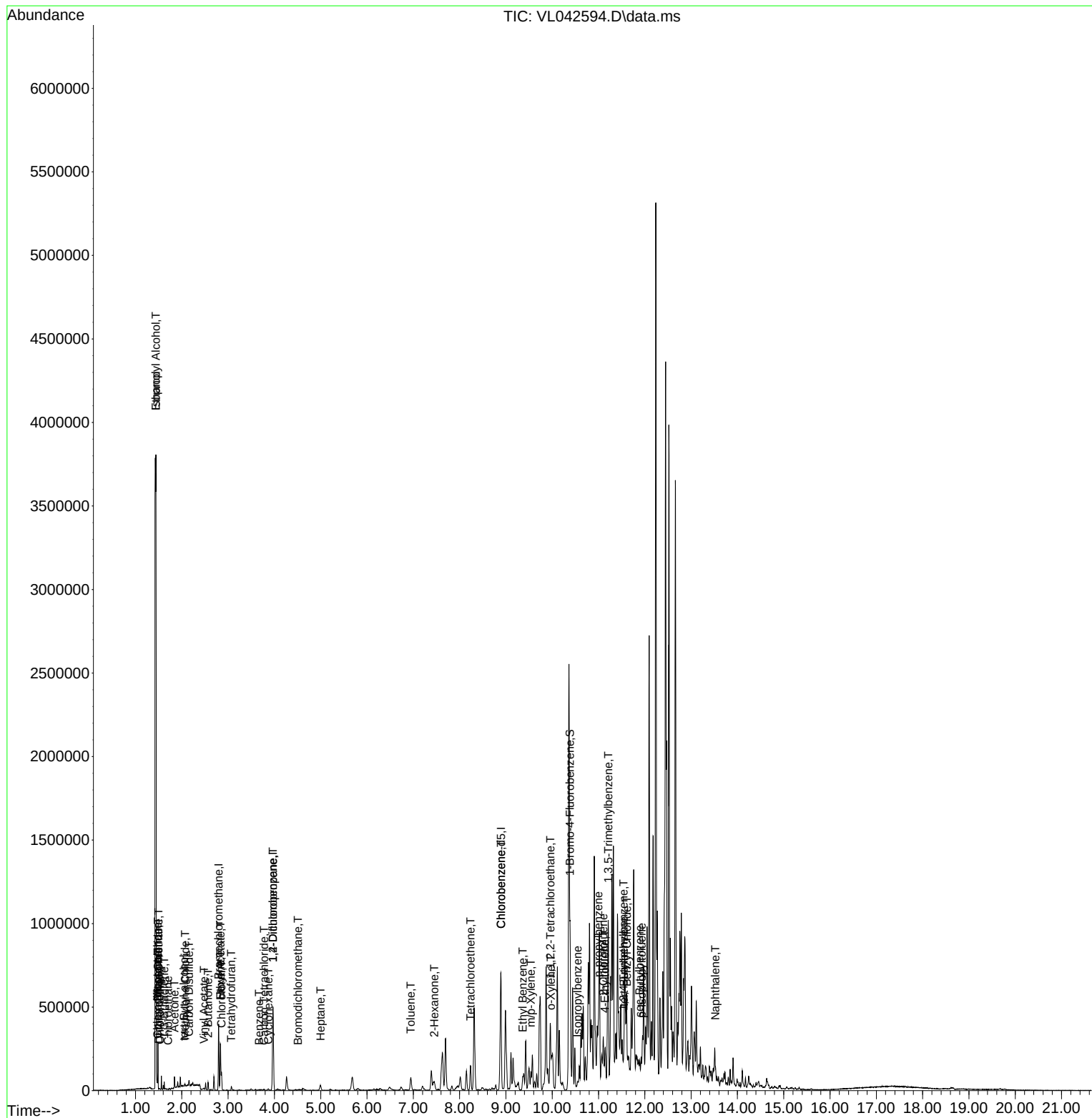
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	13.520	128	2060	0.050	ppbv	# 1

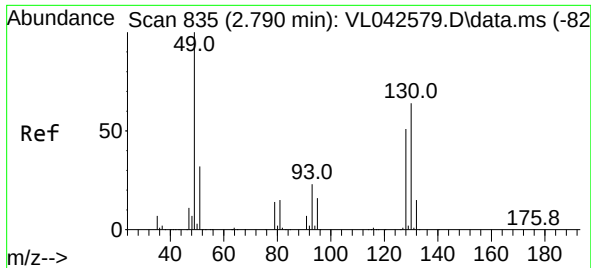
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.797 min Scan# 835

Delta R.T. 0.007 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

SV3

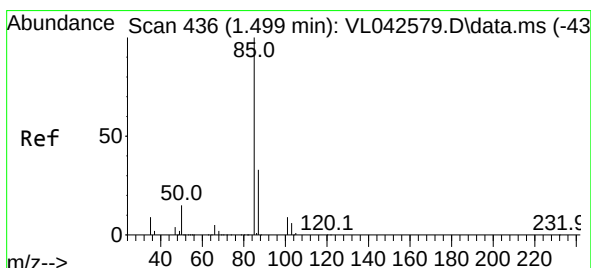
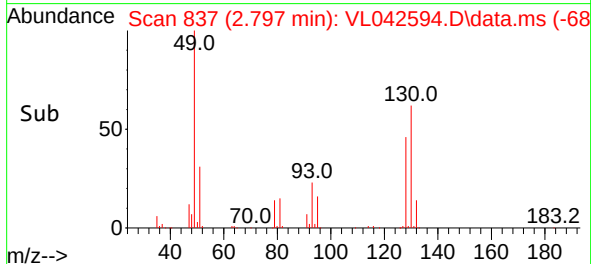
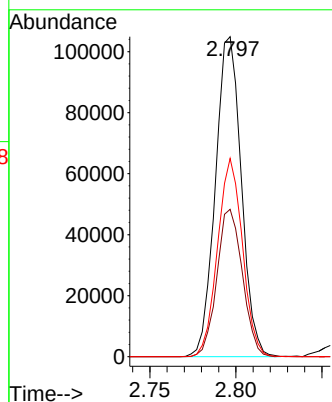
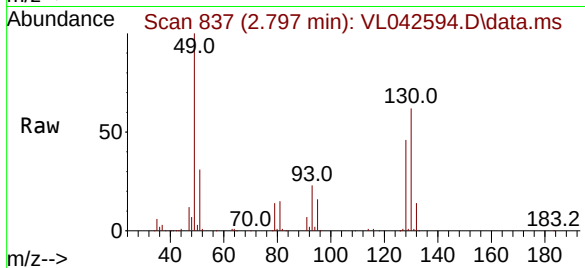
Tgt Ion: 49 Resp: 109883

Ion Ratio Lower Upper

49 100

128 45.4 24.2 72.6

130 59.5 30.4 91.2



#2

Dichlorodifluoromethane

Concen: 0.132 ppbv

RT: 1.499 min Scan# 436

Delta R.T. -0.000 min

Lab File: VL042594.D

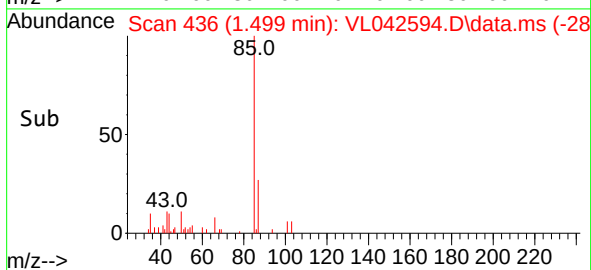
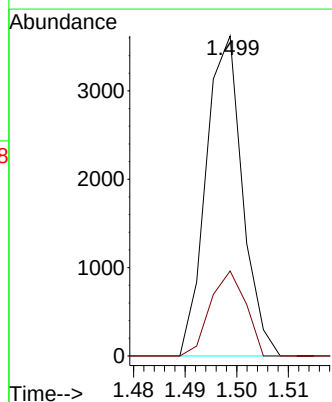
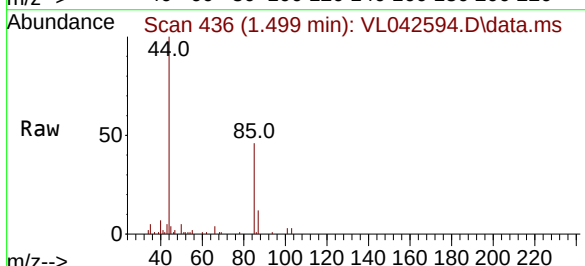
Acq: 29 May 2025 20:05

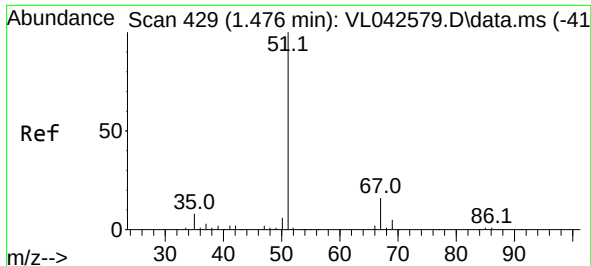
Tgt Ion: 85 Resp: 1779

Ion Ratio Lower Upper

85 100

87 26.6 26.6 39.8

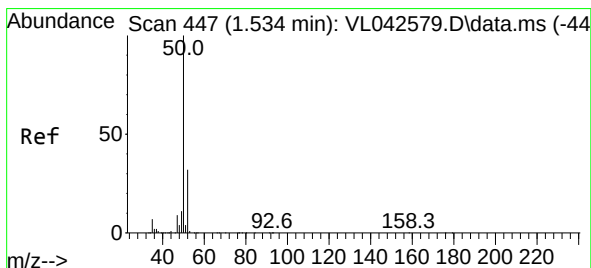
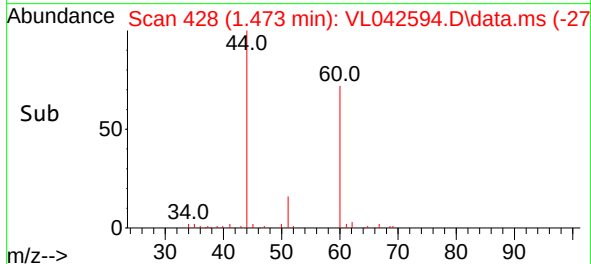
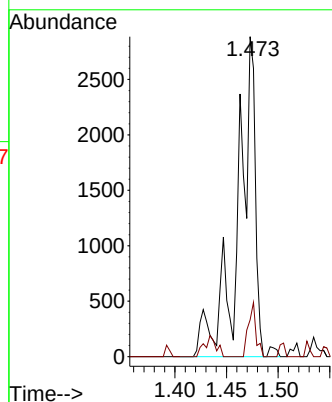
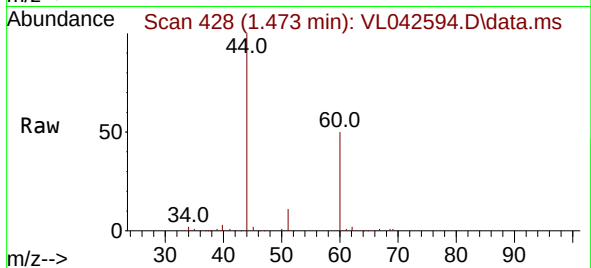




#3
Chlorodifluoromethane
Concen: 0.180 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

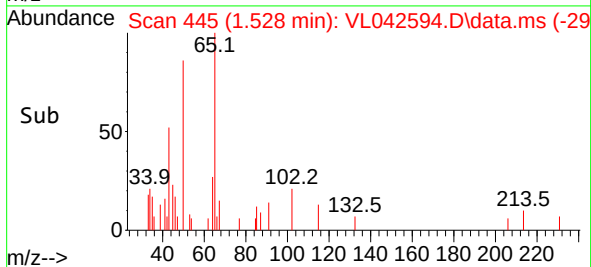
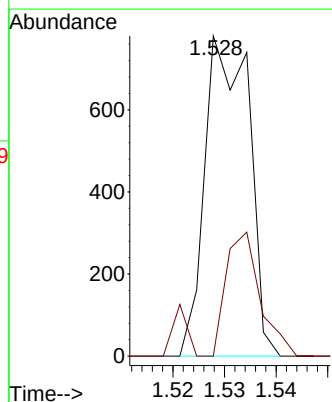
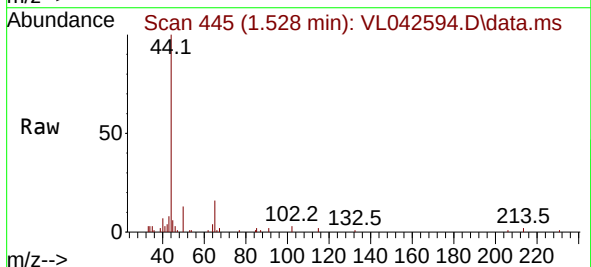
Instrument :
MSVOA_L
ClientSampleId :
SV3

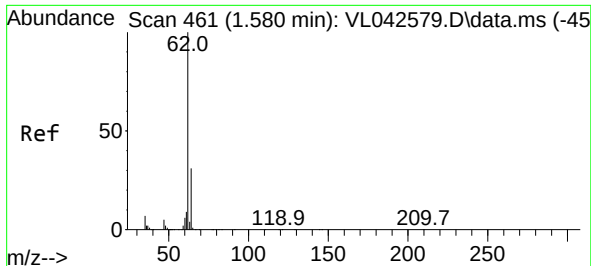
Tgt Ion: 51 Resp: 3355
Ion Ratio Lower Upper
51 100
67 8.7 13.4 20.2#



#4
Chloromethane
Concen: 0.087 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.007 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

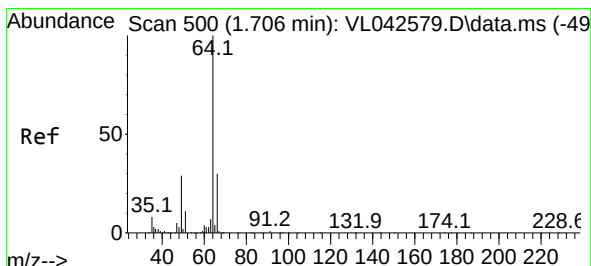
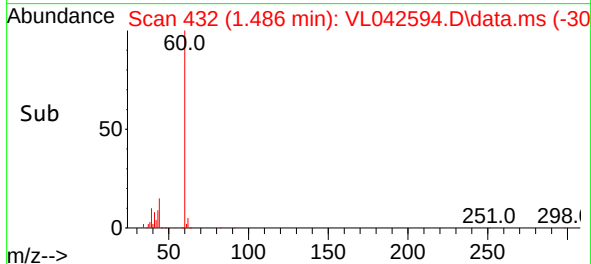
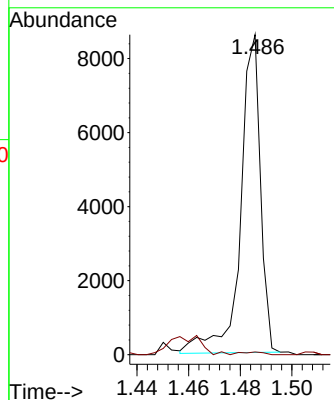
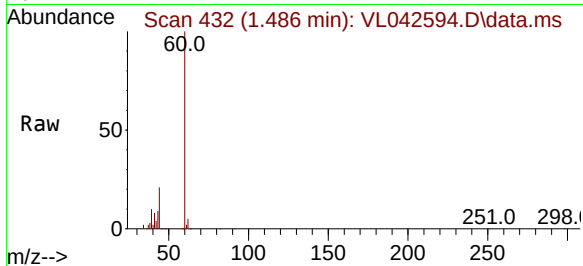




#5
 Vinyl Chloride
 Concen: 0.848 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.094 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

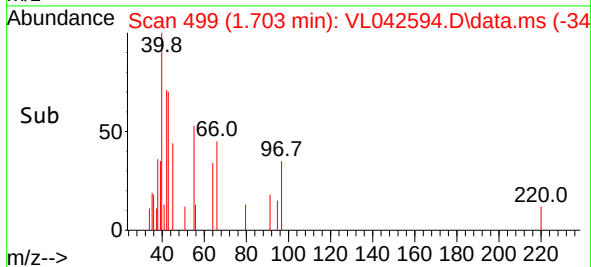
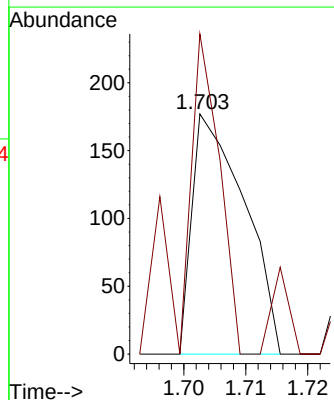
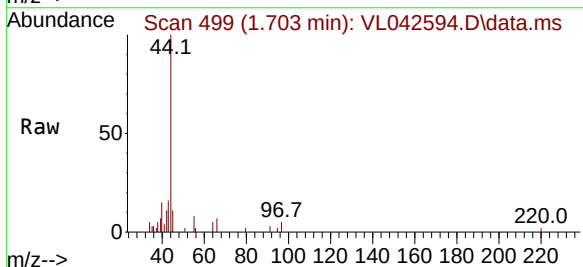
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

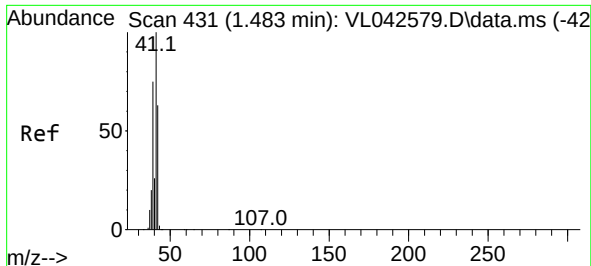
Tgt Ion: 62 Resp: 4620
 Ion Ratio Lower Upper
 62 100
 64 0.9 24.9 37.3#



#7
 Chloroethane
 Concen: 0.049 ppbv
 RT: 1.703 min Scan# 499
 Delta R.T. -0.003 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

Tgt Ion: 64 Resp: 104
 Ion Ratio Lower Upper
 64 100
 66 133.3 24.3 36.5#





#9

Propene

Concen: 1.233 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

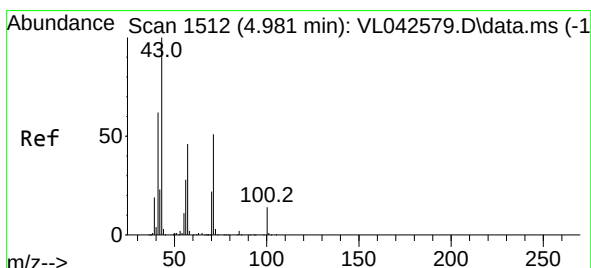
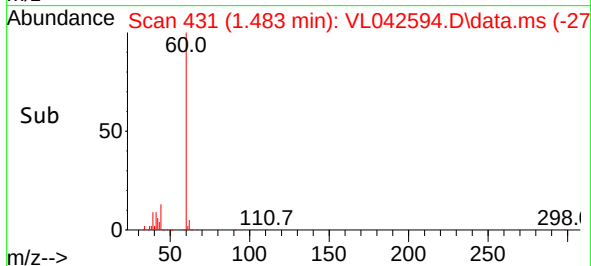
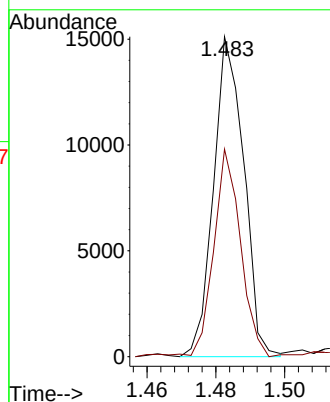
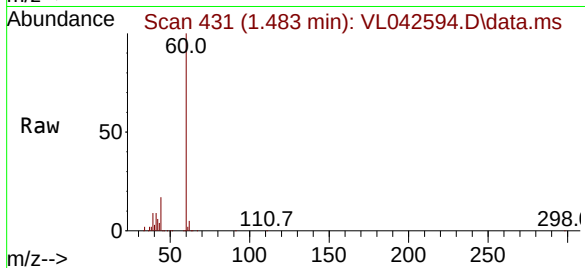
SV3

Tgt Ion: 41 Resp: 9238

Ion Ratio Lower Upper

41 100

42 62.7 53.3 79.9



#10

Heptane

Concen: 0.659 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.013 min

Lab File: VL042594.D

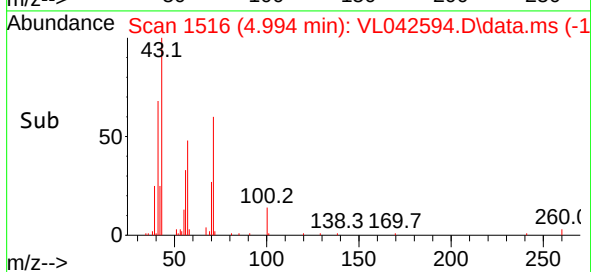
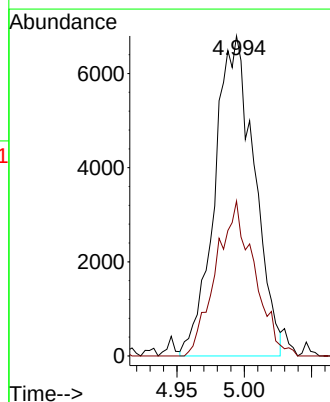
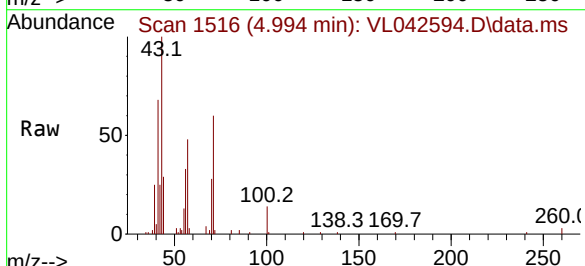
Acq: 29 May 2025 20:05

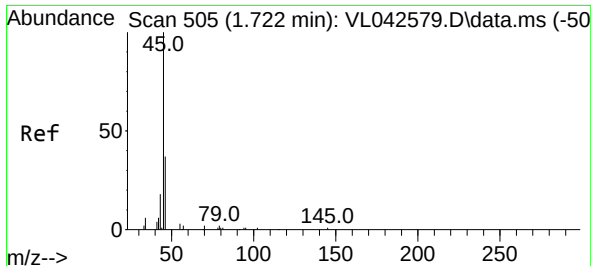
Tgt Ion: 43 Resp: 13912

Ion Ratio Lower Upper

43 100

57 47.0 38.9 58.3

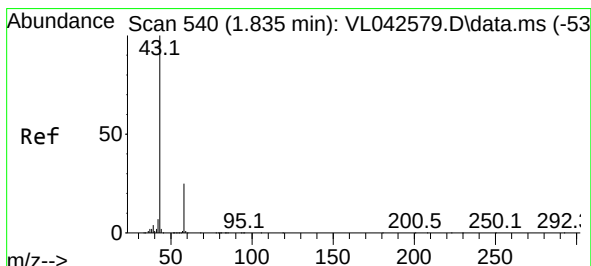
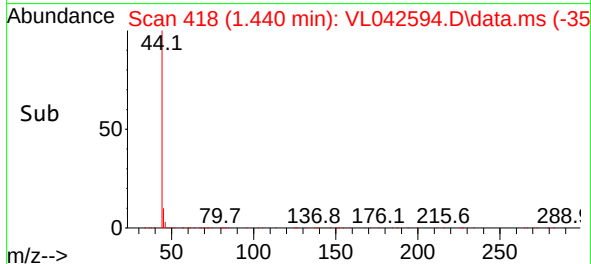
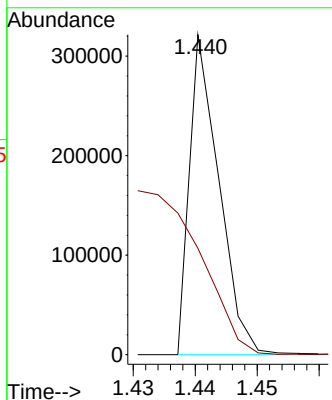
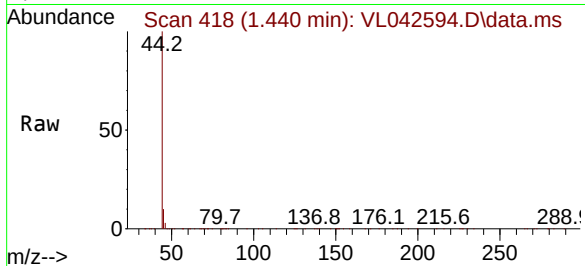




#13
 Ethanol
 Concen: 119.383 ppbv
 RT: 1.440 min Scan# 418
 Delta R.T. -0.282 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

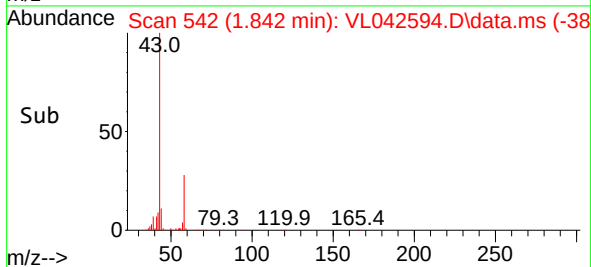
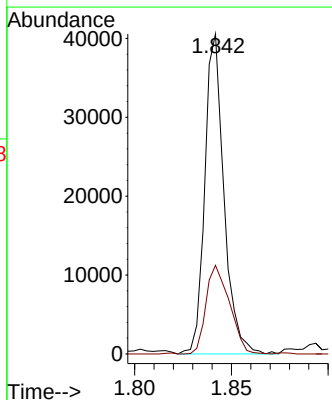
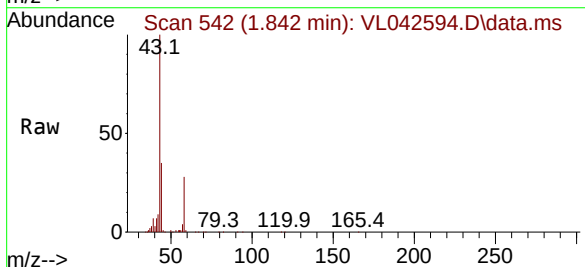
Instrument :
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 ClientSampleId :
 SV3

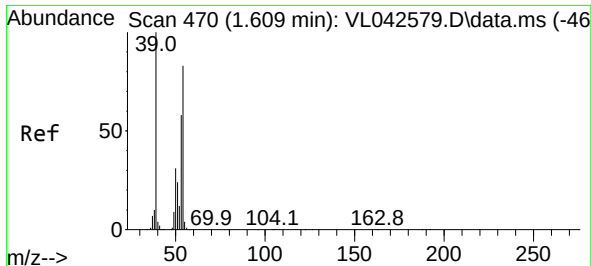
Tgt Ion: 45 Resp: 106568
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.5 58.1#



#15
 Acetone
 Concen: 2.112 ppbv
 RT: 1.842 min Scan# 542
 Delta R.T. 0.006 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

Tgt Ion: 43 Resp: 27951
 Ion Ratio Lower Upper
 43 100
 58 34.3 21.0 31.4#

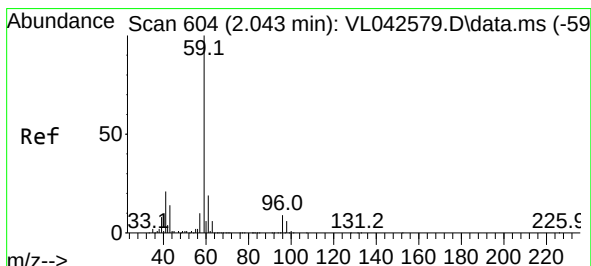
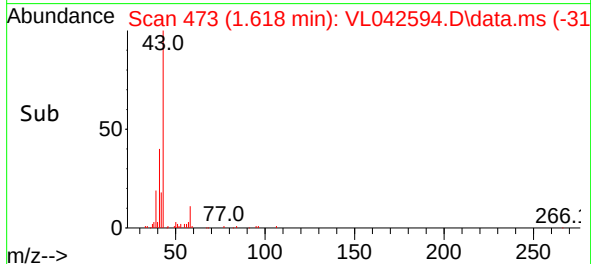
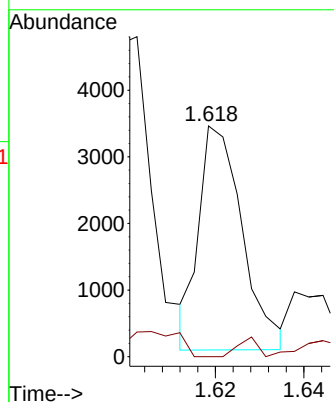
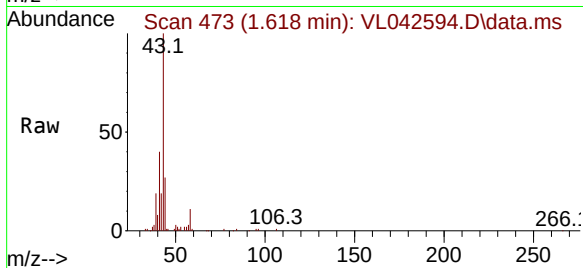




#16
1,3-Butadiene
Concen: 0.366 ppbv
RT: 1.618 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

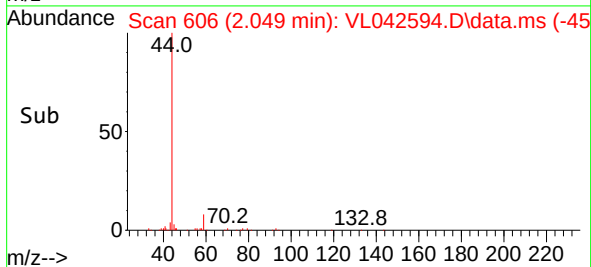
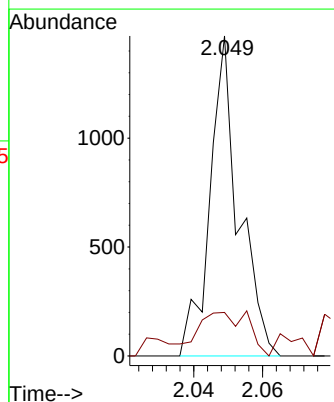
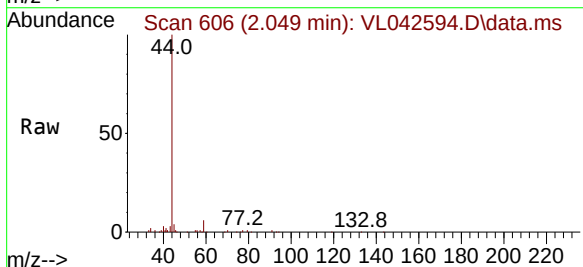
Instrument :
MSVOA_L
ClientSampleId :
SV3

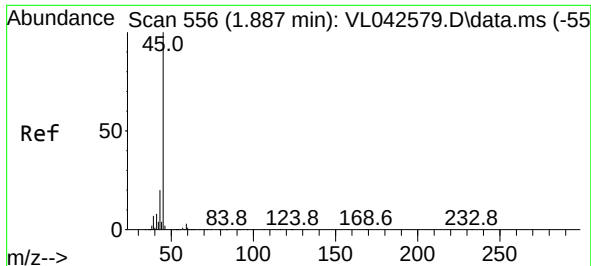
Tgt Ion: 39 Resp: 2293
Ion Ratio Lower Upper
39 100
54 0.0 57.9 86.9#



#17
tert-Butyl alcohol
Concen: 0.062 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.006 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion: 59 Resp: 855
Ion Ratio Lower Upper
59 100
57 29.4 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 13.468 ppbv

RT: 1.440 min Scan# 41

Delta R.T. -0.447 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

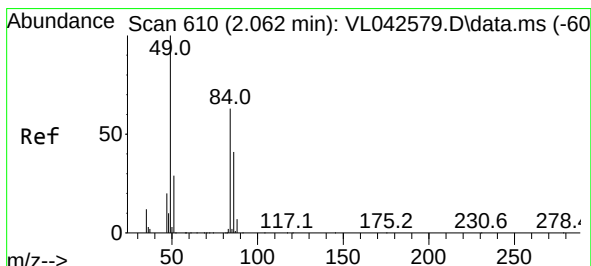
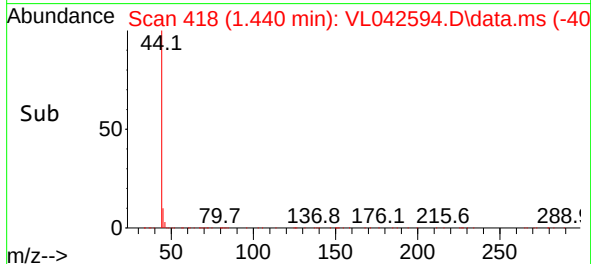
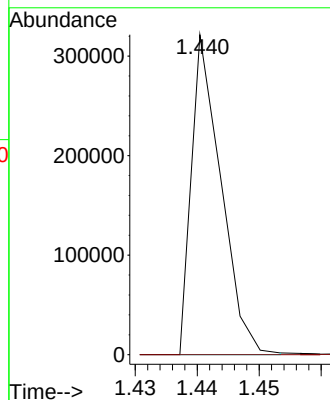
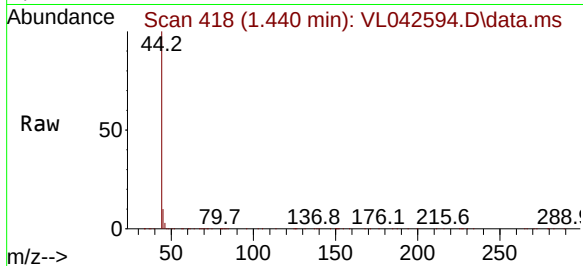
SV3

Tgt Ion: 45 Resp: 106568

Ion Ratio Lower Upper

45 100

58 1.4 29.4 44.2#



#20

Methylene Chloride

Concen: 0.349 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.010 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Tgt Ion: 84 Resp: 1525

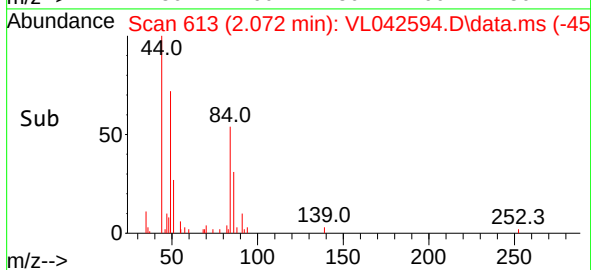
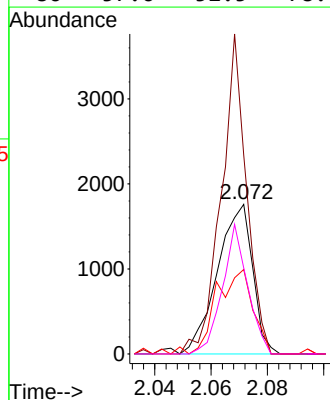
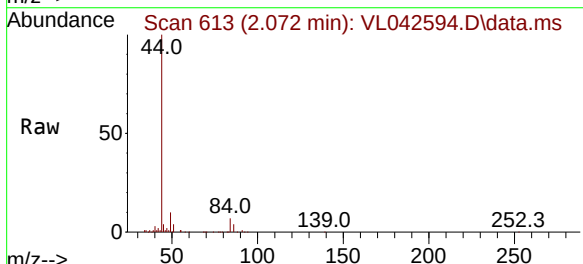
Ion Ratio Lower Upper

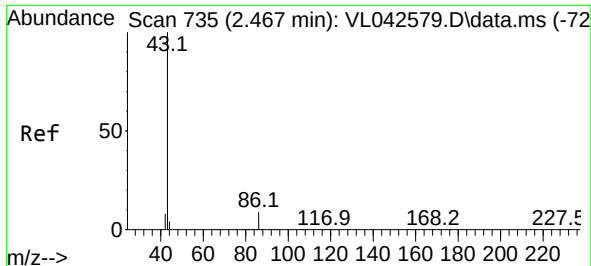
84 100

49 133.1 128.8 193.2

51 56.5 38.6 57.8

86 57.6 52.5 78.7

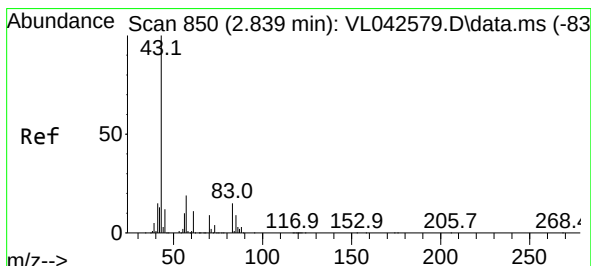
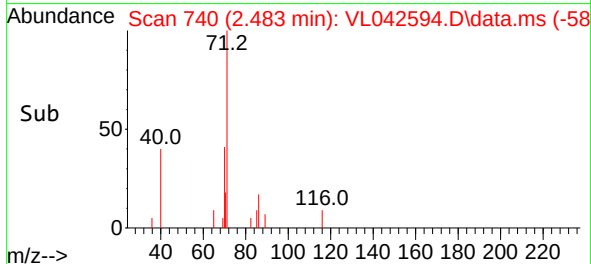
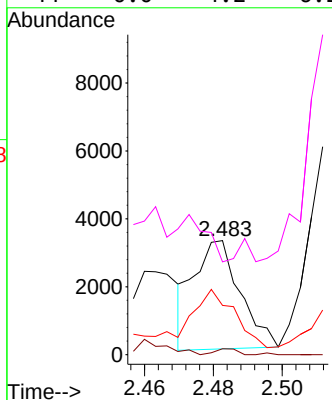
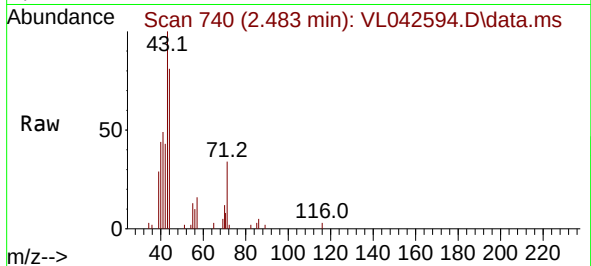




#23
 Vinyl Acetate
 Concen: 0.167 ppbv
 RT: 2.483 min Scan# 741
 Delta R.T. 0.016 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

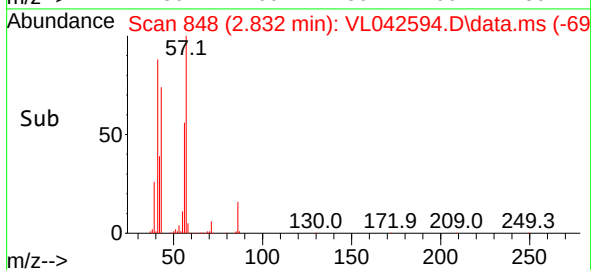
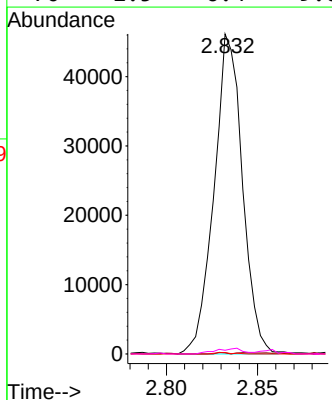
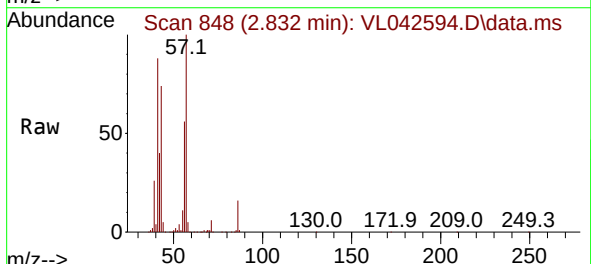
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

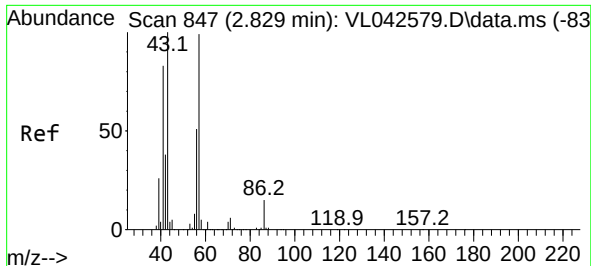
Tgt Ion:	43	Resp:	2983
Ion	Ratio	Lower	Upper
43	100		
86	5.6	6.6	9.8#
42	31.7	7.0	10.4#
44	0.0	4.2	6.2#



#25
 Ethyl Acetate
 Concen: 1.380 ppbv
 RT: 2.832 min Scan# 848
 Delta R.T. -0.007 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

Tgt Ion:	43	Resp:	49973
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.2	12.2#
61	0.3	7.1	10.7#
70	2.5	6.4	9.6#

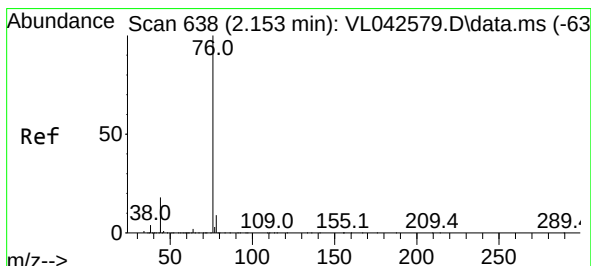
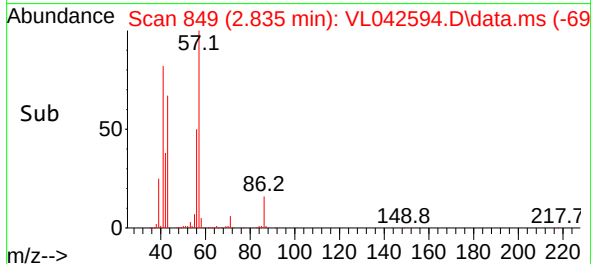
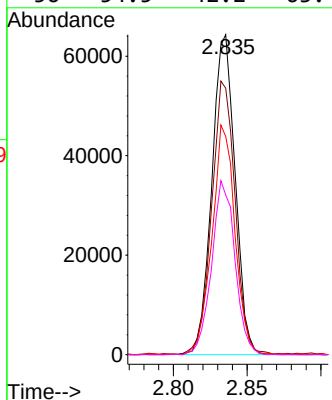
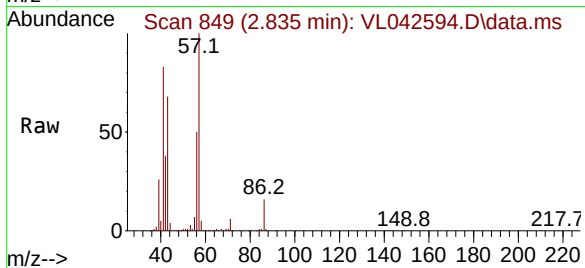




#26
Hexane
Concen: 4.285 ppbv
RT: 2.835 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

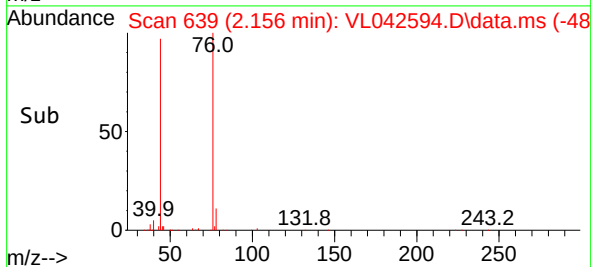
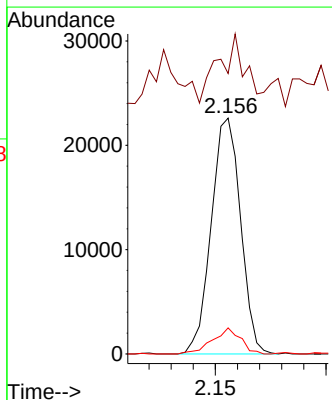
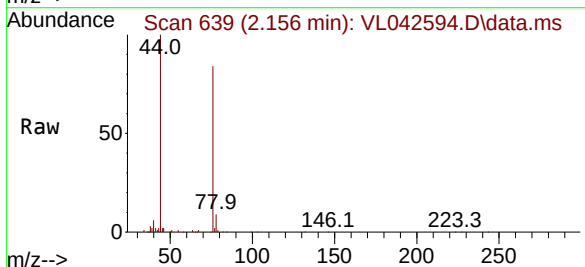
Instrument :
MSVOA_L
ClientSampleId :
SV3

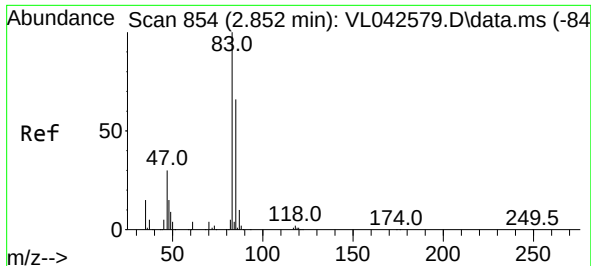
Tgt Ion: 57	Resp: 70521
Ion Ratio	Lower Upper
57 100	
41 87.4	70.6 106.0
43 71.5	181.1 271.7#
56 54.5	42.2 63.4



#27
Carbon Disulfide
Concen: 1.649 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion: 76	Resp: 20835		
Ion Ratio	Lower	Upper	
76 100			
44 522.4	21.3	31.9#	
78 10.8	9.4	14.0	





#29

Chloroform

Concen: 1.927 ppbv

RT: 2.858 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

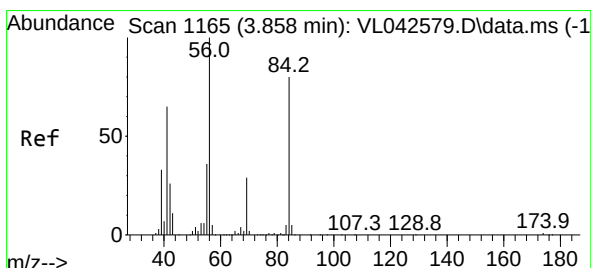
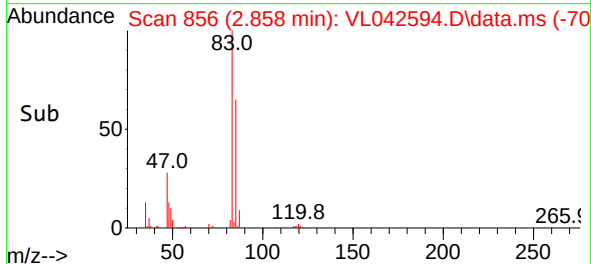
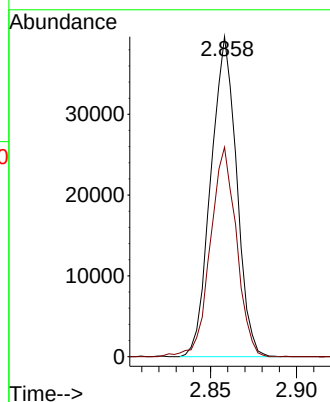
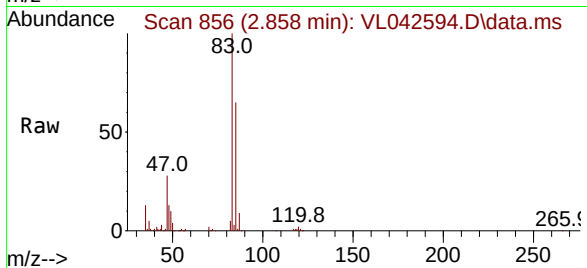
SV3

Tgt Ion: 83 Resp: 41250

Ion Ratio Lower Upper

83 100

85 65.4 52.8 79.2



#30

Cyclohexane

Concen: 0.173 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.010 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

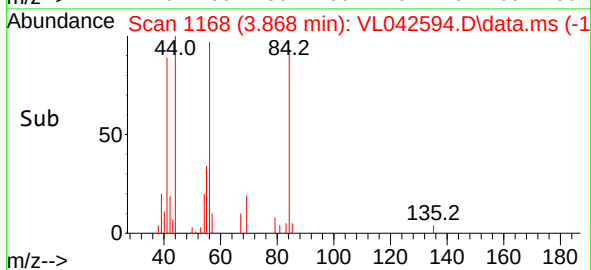
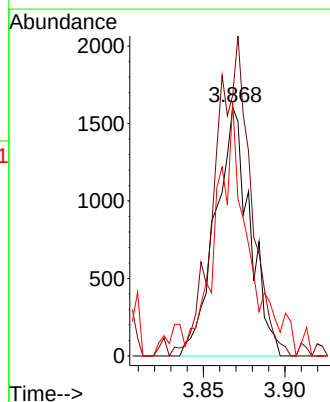
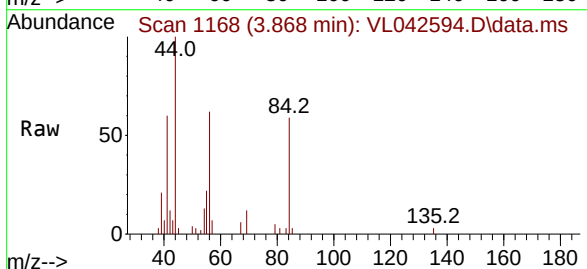
Tgt Ion: 84 Resp: 2359

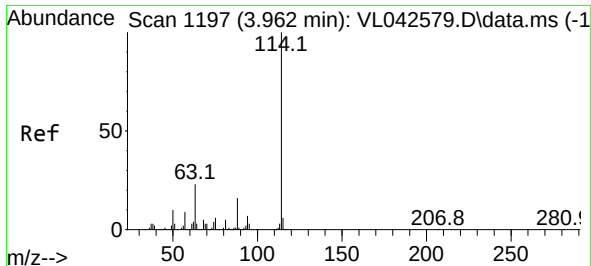
Ion Ratio Lower Upper

84 100

56 136.8 103.7 155.5

41 103.1 65.1 97.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.006 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

SV3

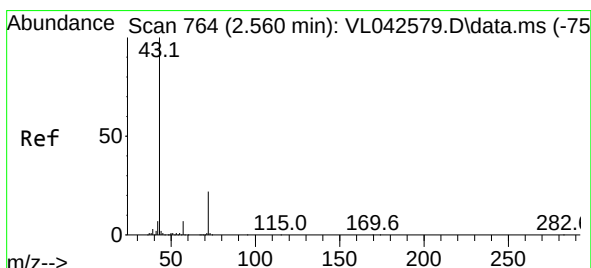
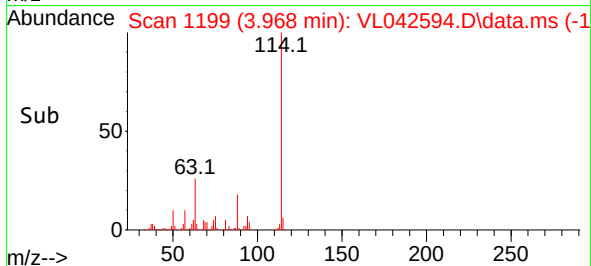
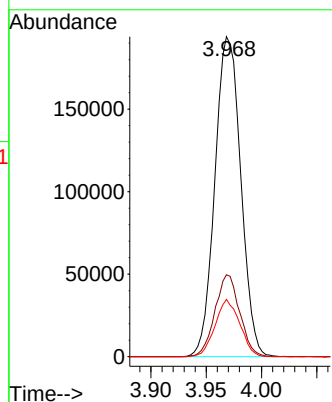
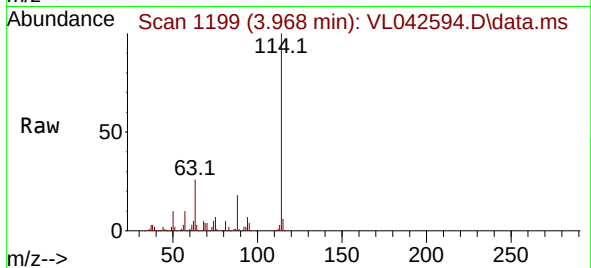
Tgt Ion:114 Resp: 315583

Ion Ratio Lower Upper

114 100

63 24.4 19.0 28.6

88 17.1 13.6 20.4



#34

2-Butanone

Concen: 1.275 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.006 min

Lab File: VL042594.D

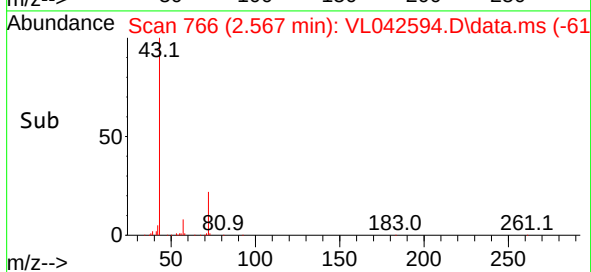
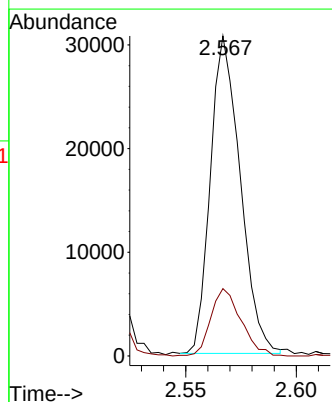
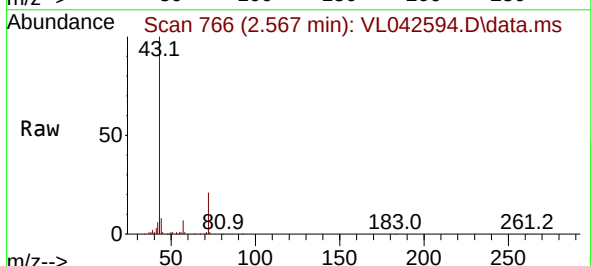
Acq: 29 May 2025 20:05

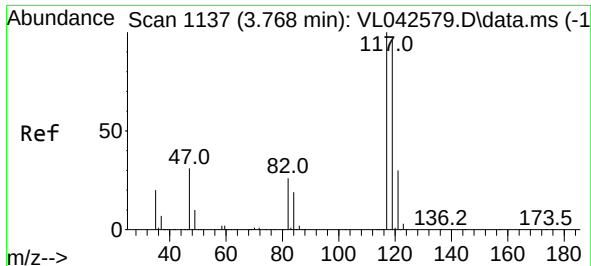
Tgt Ion: 43 Resp: 28702

Ion Ratio Lower Upper

43 100

72 21.4 17.7 26.5

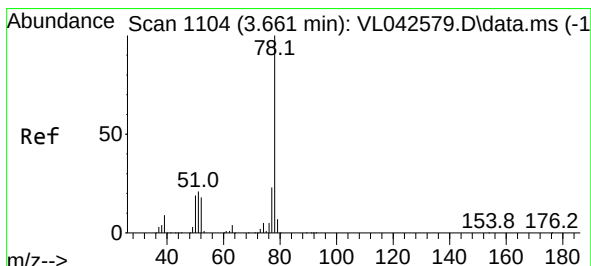
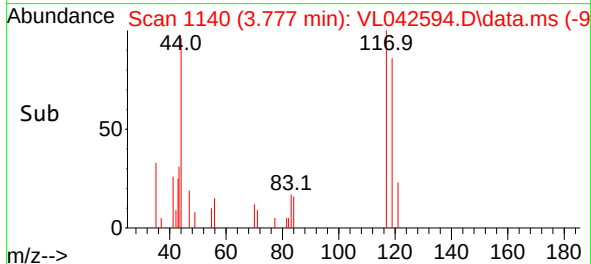
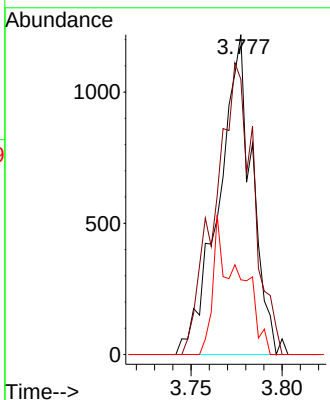
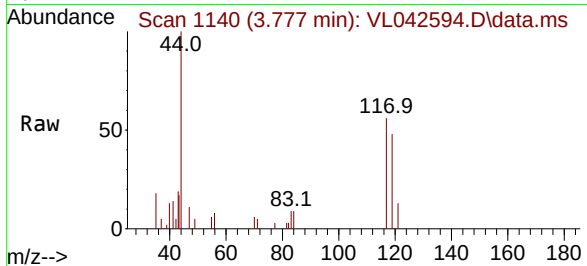




#35
Carbon Tetrachloride
Concen: 0.074 ppbv
RT: 3.777 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

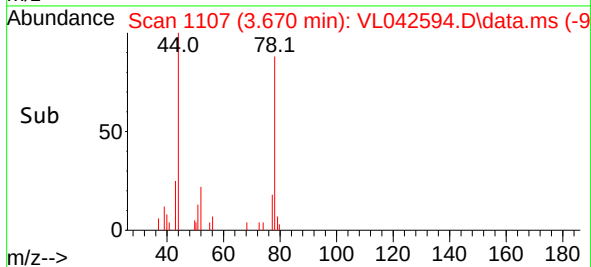
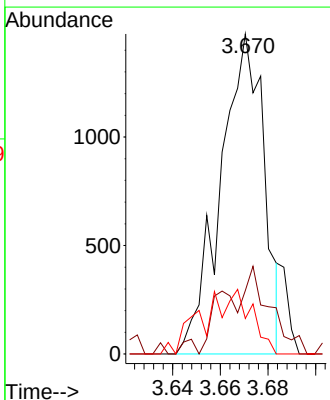
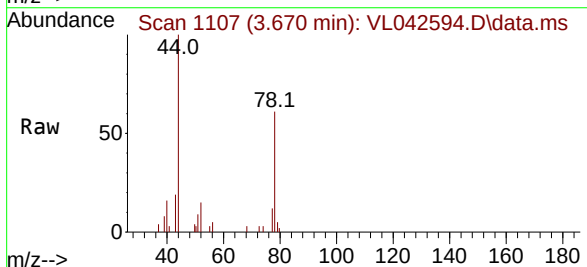
Instrument :
MSVOA_L
ClientSampleId :
SV3

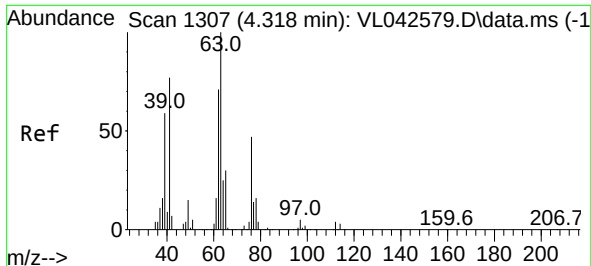
Tgt Ion:117 Resp: 1545
Ion Ratio Lower Upper
117 100
119 86.1 76.8 115.2
121 23.4 24.3 36.5#



#36
Benzene
Concen: 0.060 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion: 78 Resp: 1862
Ion Ratio Lower Upper
78 100
77 19.8 18.2 27.2
50 11.1 15.2 22.8#





#39

1,2-Dichloropropane

Concen: 6.704 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.350 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

SV3

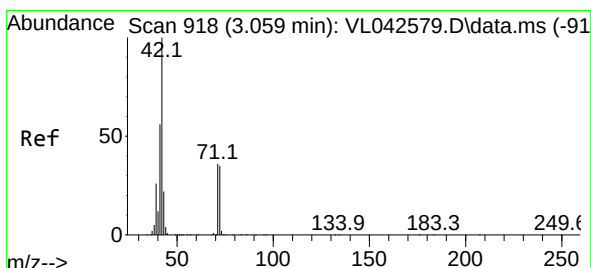
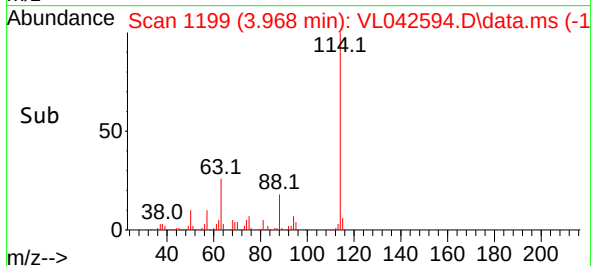
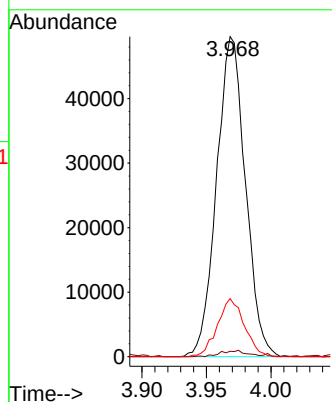
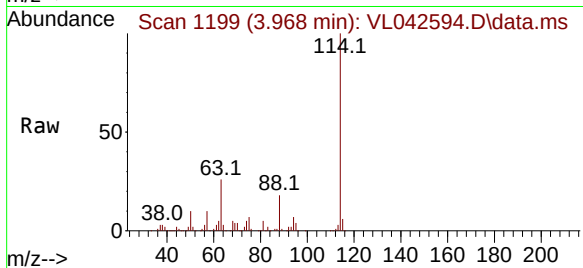
Tgt Ion: 63 Resp: 77043

Ion Ratio Lower Upper

63 100

41 1.7 61.8 92.6#

62 18.2 56.6 85.0#



#41

Tetrahydrofuran

Concen: 0.671 ppbv

RT: 3.068 min Scan# 921

Delta R.T. 0.010 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

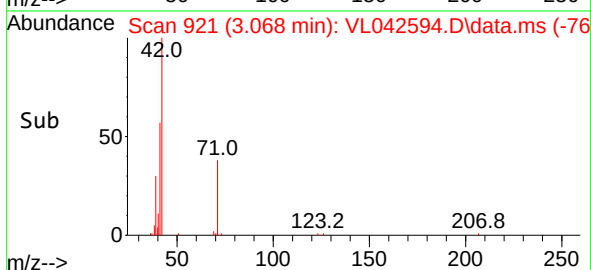
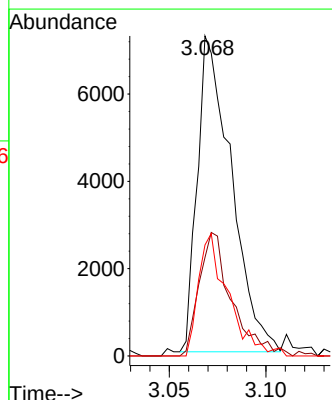
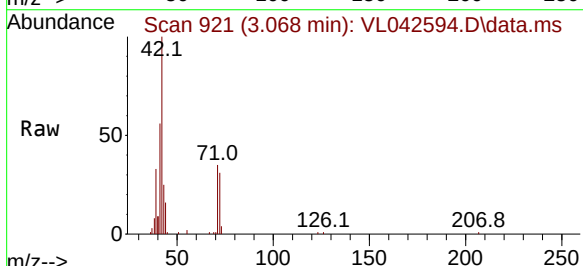
Tgt Ion: 42 Resp: 8835

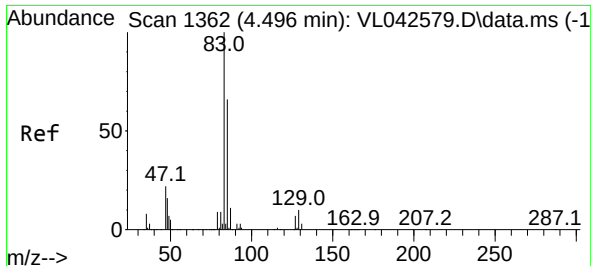
Ion Ratio Lower Upper

42 100

72 38.0 28.9 43.3

71 34.0 28.5 42.7

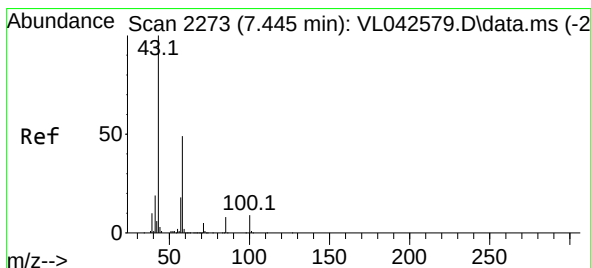
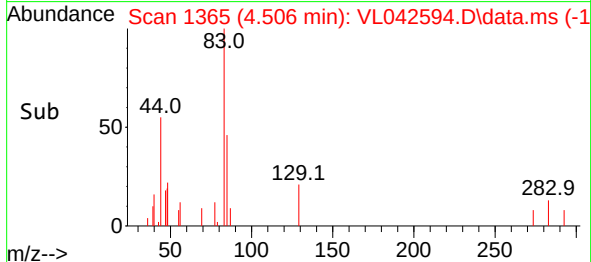
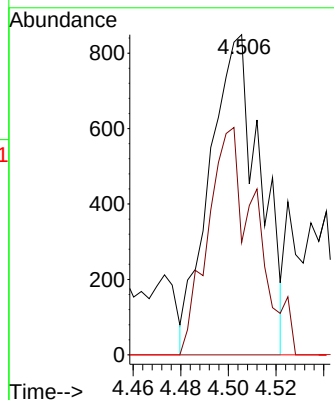
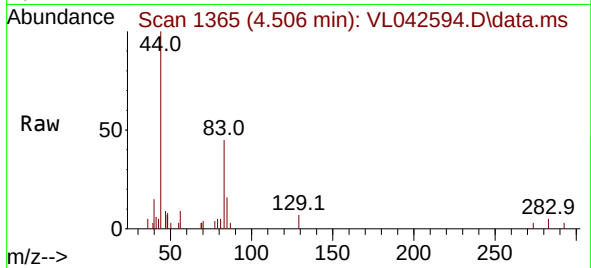




#42
 Bromodichloromethane
 Concen: 0.057 ppbv
 RT: 4.506 min Scan# 11
 Delta R.T. 0.010 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

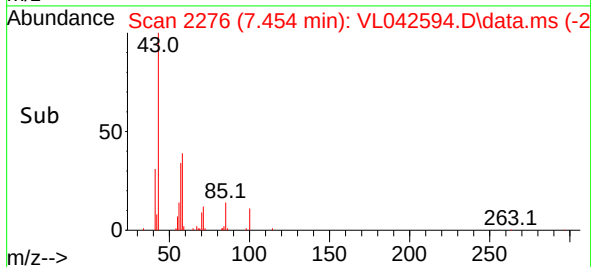
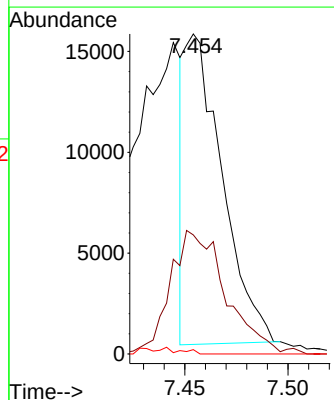
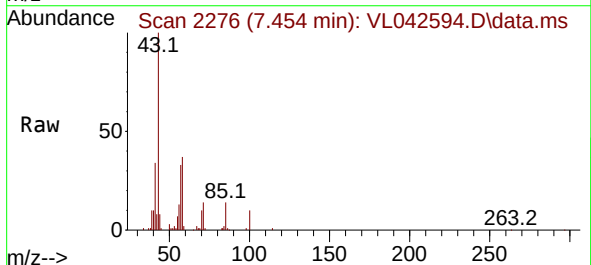
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

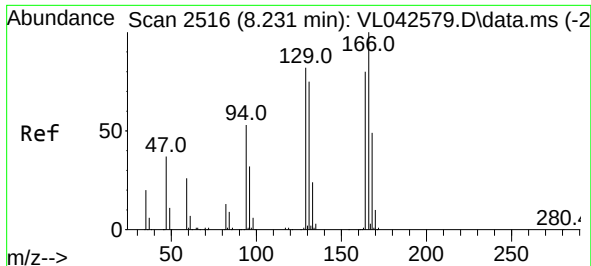
Tgt Ion: 83 Resp: 1249
 Ion Ratio Lower Upper
 83 100
 85 38.7 52.7 79.1#
 127 0.0 5.8 8.6#



#51
 2-Hexanone
 Concen: 0.781 ppbv
 RT: 7.454 min Scan# 2276
 Delta R.T. 0.010 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

Tgt Ion: 43 Resp: 19335
 Ion Ratio Lower Upper
 43 100
 58 59.4 39.9 59.9
 98 0.0 0.1 0.1#

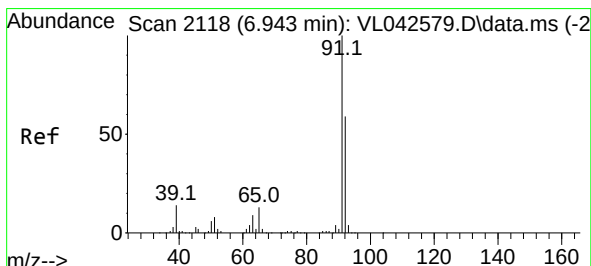
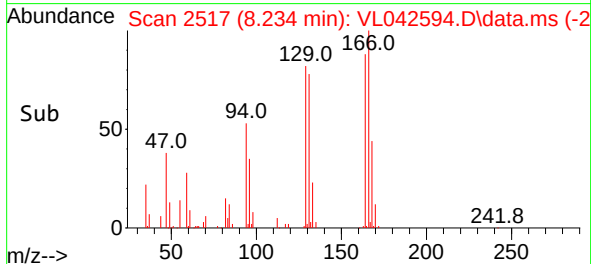
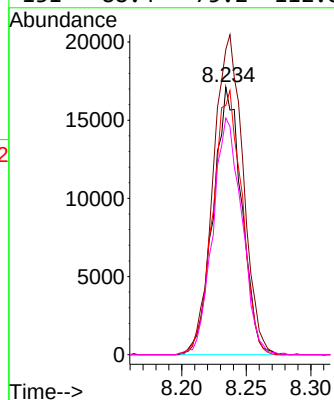
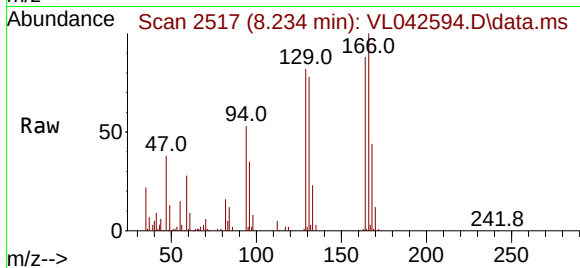




#52
Tetrachloroethene
Concen: 2.267 ppbv
RT: 8.234 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

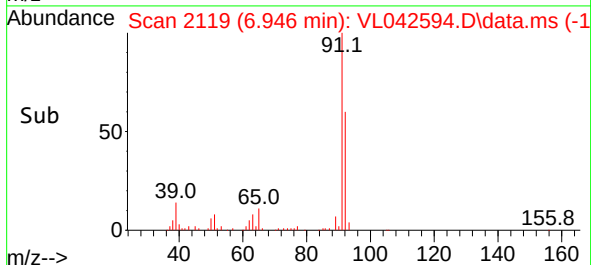
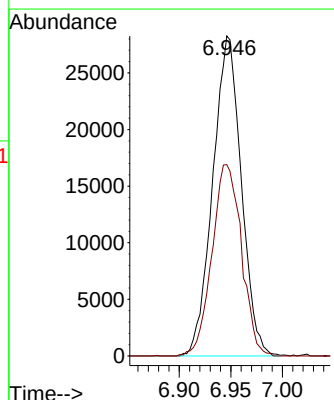
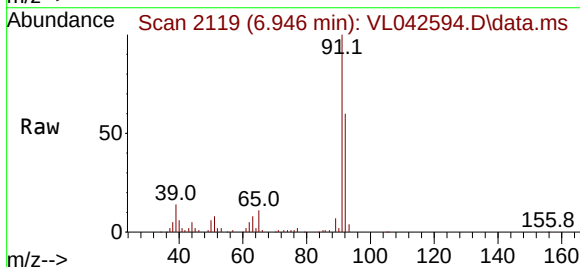
Instrument :
MSVOA_L
ClientSampleId :
SV3

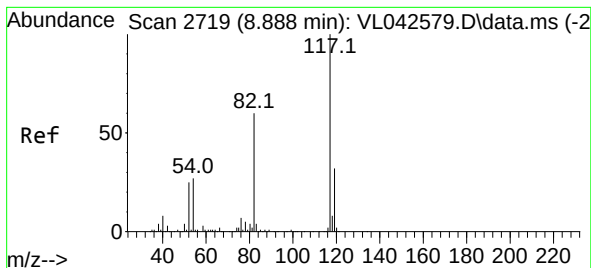
Tgt Ion:164 Resp: 26326
Ion Ratio Lower Upper
164 100
166 114.0 100.0 150.0
129 92.6 82.2 123.4
131 88.4 75.2 112.8



#53
Toluene
Concen: 1.512 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion: 91 Resp: 54297
Ion Ratio Lower Upper
91 100
92 61.7 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

SV3

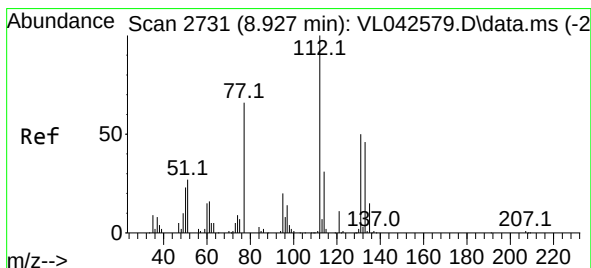
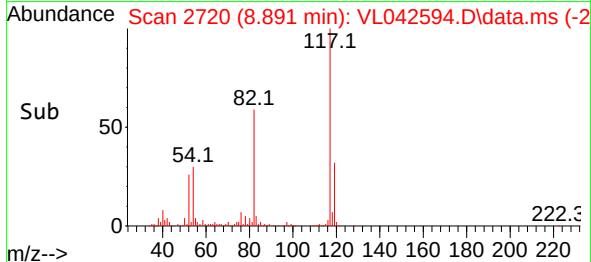
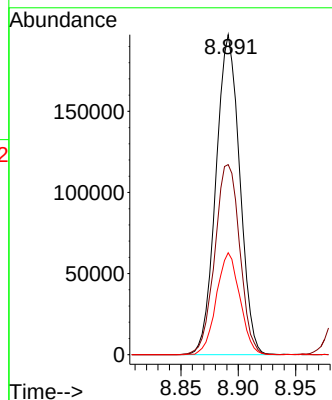
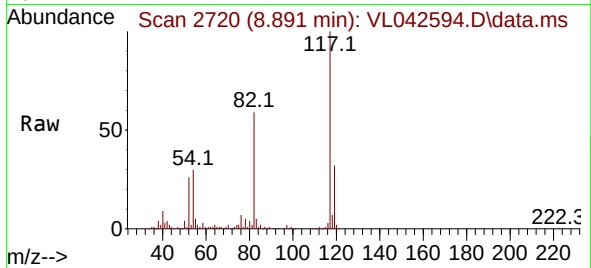
Tgt Ion:117 Resp: 284413

Ion Ratio Lower Upper

117 100

82 62.5 51.2 76.8

119 31.6 26.3 39.5



#57

Chlorobenzene

Concen: 0.033 ppbv

RT: 8.891 min Scan# 2720

Delta R.T. -0.036 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

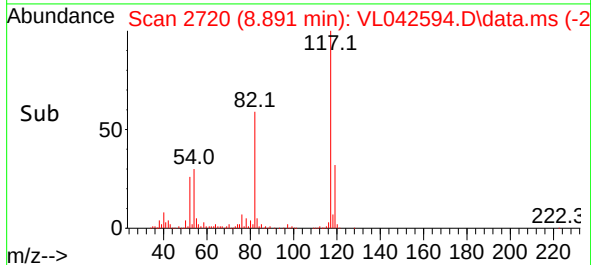
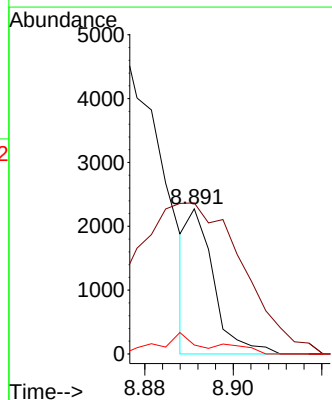
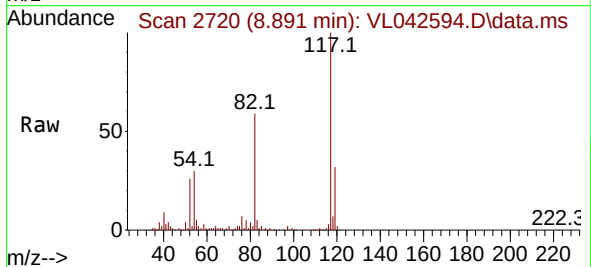
Tgt Ion:112 Resp: 925

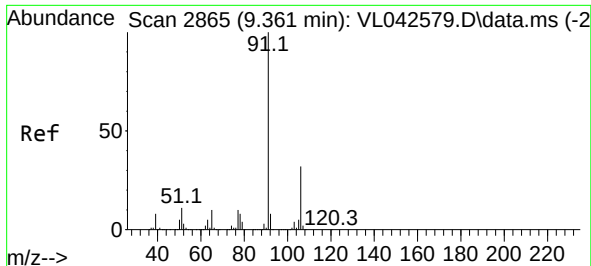
Ion Ratio Lower Upper

112 100

77 85.9 53.5 80.3#

114 6.2 27.8 34.0#





#58

Ethyl Benzene

Concen: 0.701 ppbv

RT: 9.364 min Scan# 2865

Delta R.T. 0.003 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

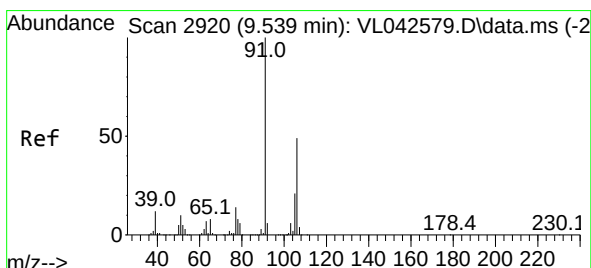
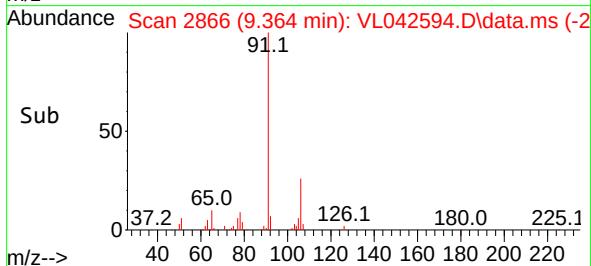
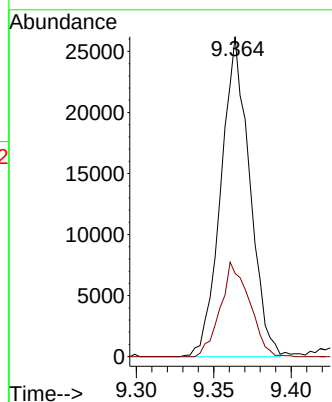
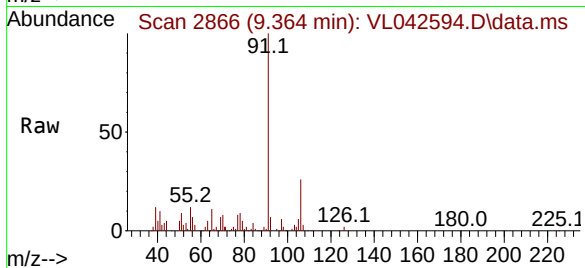
SV3

Tgt Ion: 91 Resp: 33818

Ion Ratio Lower Upper

91 100

106 26.1 25.9 38.9



#59

m/p-Xylene

Concen: 1.603 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. -0.000 min

Lab File: VL042594.D

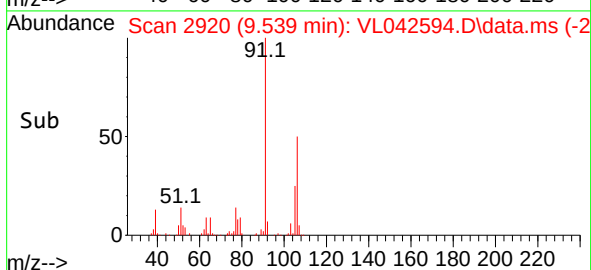
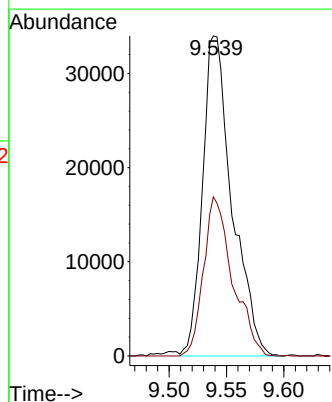
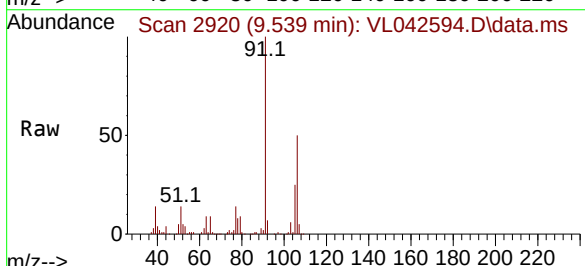
Acq: 29 May 2025 20:05

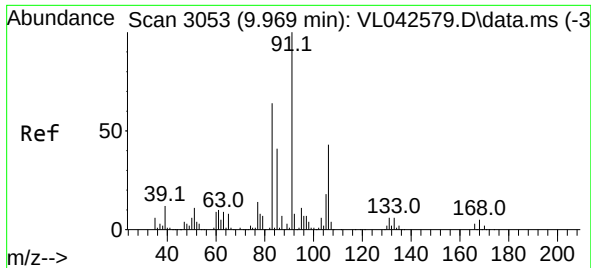
Tgt Ion: 91 Resp: 60849

Ion Ratio Lower Upper

91 100

106 49.0 38.8 58.2

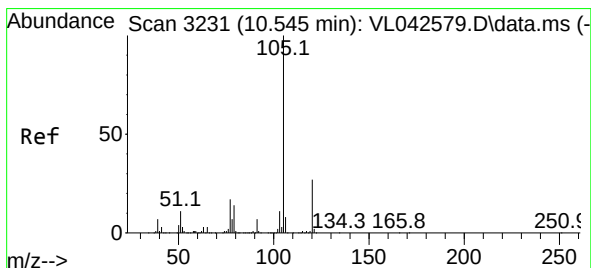
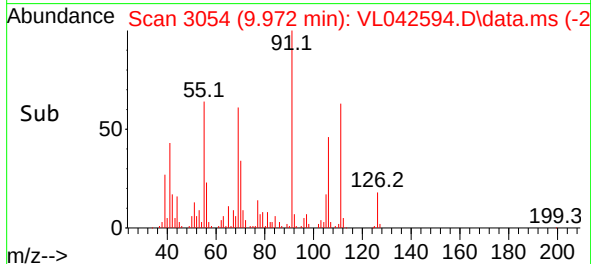
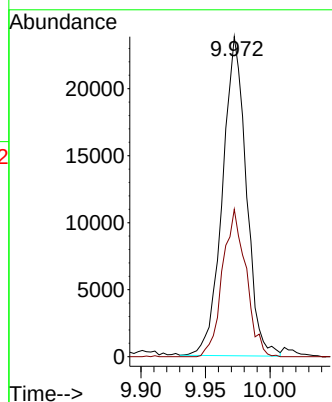
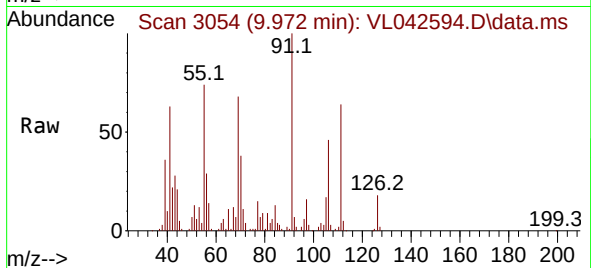




#60
o-Xylene
Concen: 0.807 ppbv
RT: 9.972 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

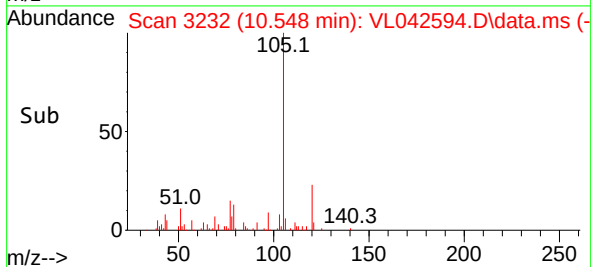
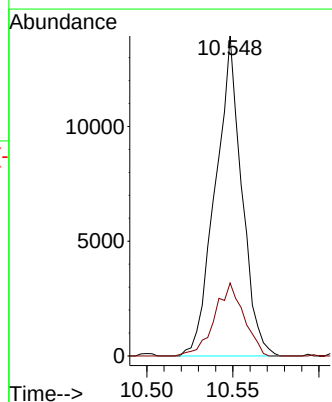
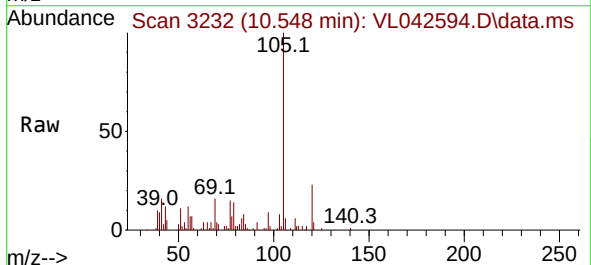
Instrument :
MSVOA_L
ClientSampleId :
SV3

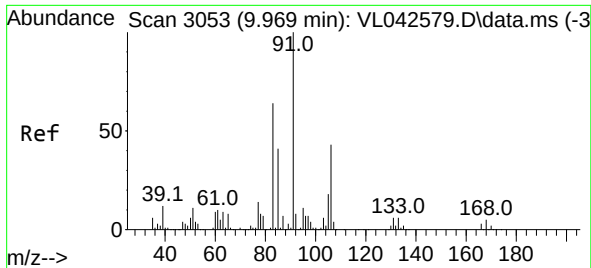
Tgt Ion: 91 Resp: 30572
Ion Ratio Lower Upper
91 100
106 45.5 22.9 68.5



#62
Isopropylbenzene
Concen: 0.266 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion: 105 Resp: 14864
Ion Ratio Lower Upper
105 100
120 25.3 20.9 31.3

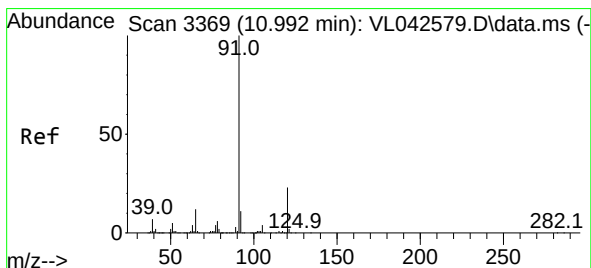
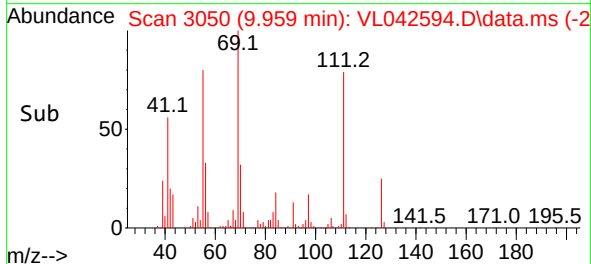
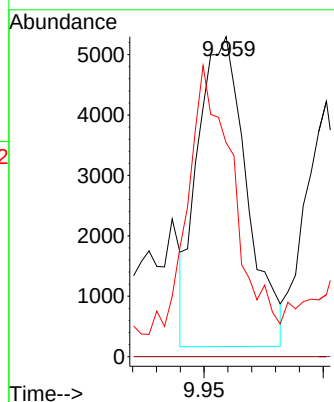
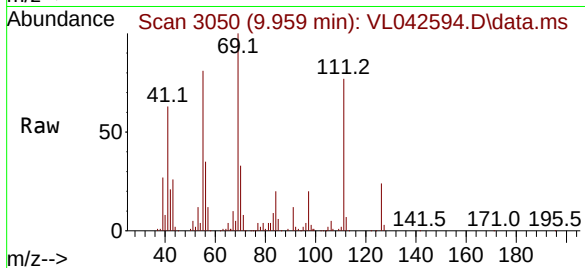




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.303 ppbv
 RT: 9.959 min Scan# 3053
 Delta R.T. -0.010 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

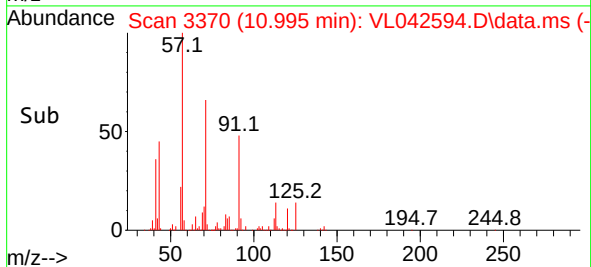
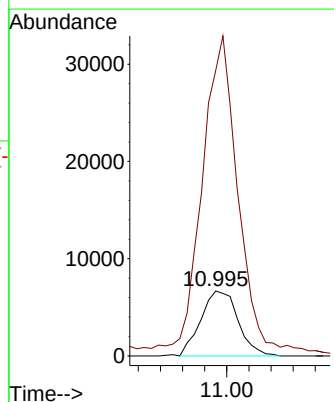
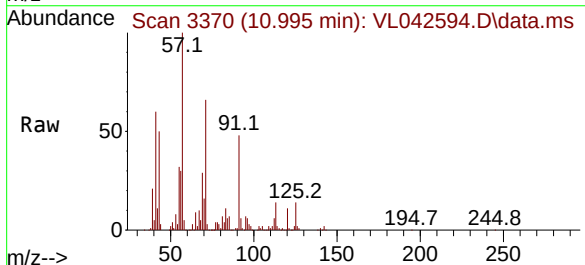
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

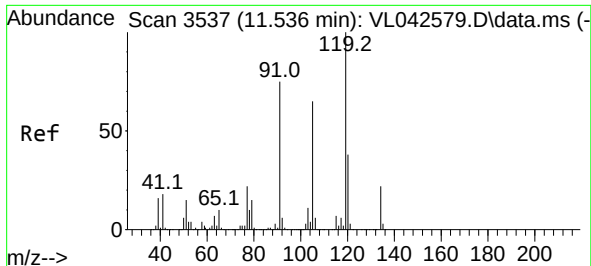
Tgt Ion: 83 Resp: 7299
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.8 14.4#
 85 0.0 32.5 97.4#



#64
 n-propylbenzene
 Concen: 0.522 ppbv
 RT: 10.995 min Scan# 3370
 Delta R.T. 0.003 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

Tgt Ion: 120 Resp: 7829
 Ion Ratio Lower Upper
 120 100
 91 487.5 363.0 544.6

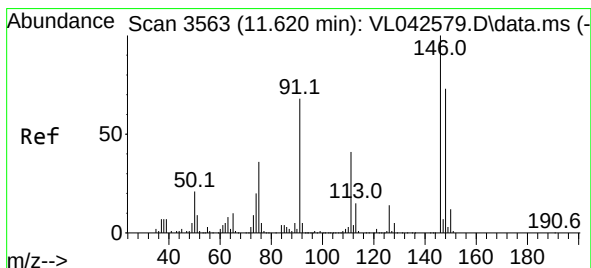
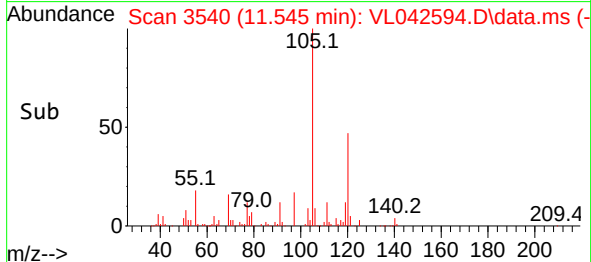
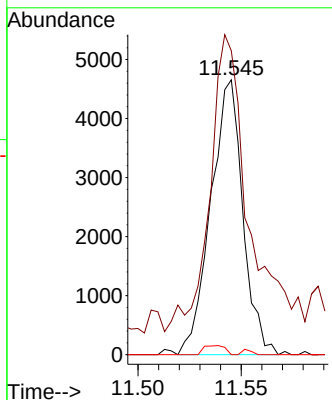
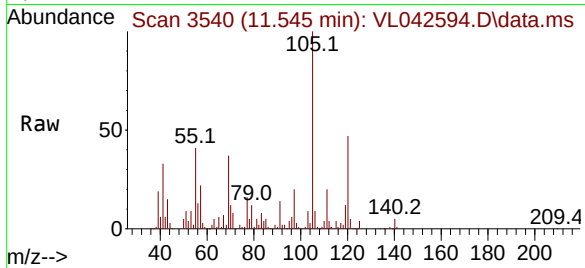




#65
tert-Butylbenzene
Concen: 0.099 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.010 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

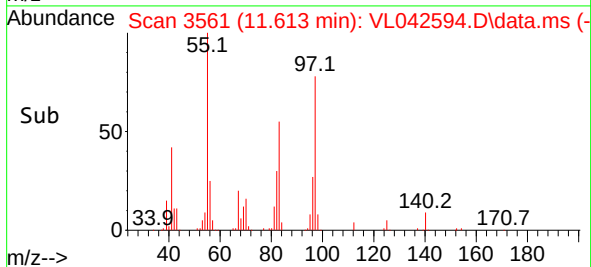
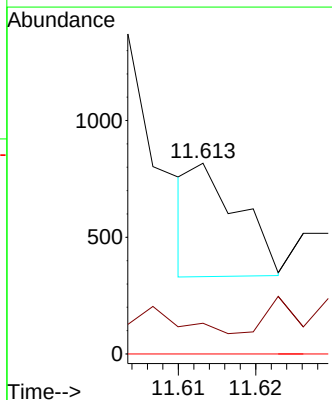
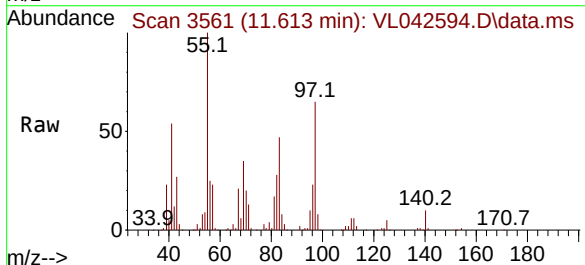
Instrument :
MSVOA_1
ClientSampleId :
SV3

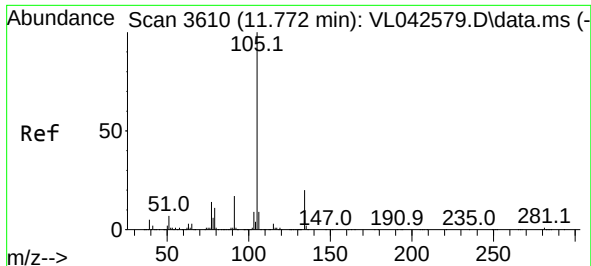
Tgt Ion:119 Resp: 5027
Ion Ratio Lower Upper
119 100
91 129.3 61.1 91.7#
134 0.0 17.4 26.2#



#66
Benzyl Chloride
Concen: 0.031 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.007 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion: 91 Resp: 205
Ion Ratio Lower Upper
91 100
126 0.0 15.1 22.7#
128 0.0 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.176 ppbv

RT: 11.885 min Scan# 3610

Delta R.T. 0.113 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

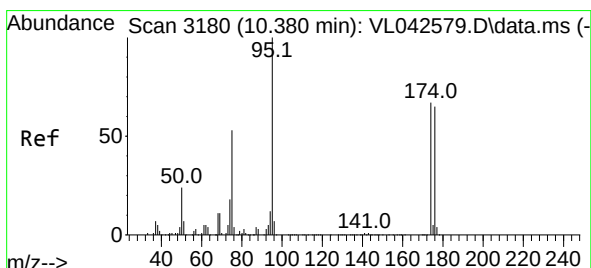
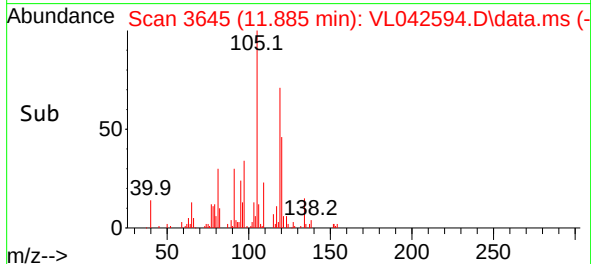
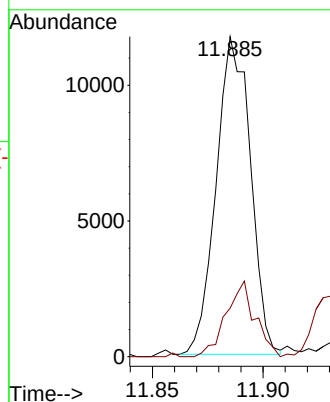
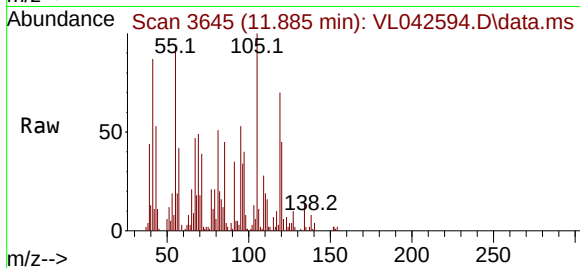
SV3

Tgt Ion:105 Resp: 12582

Ion Ratio Lower Upper

105 100

134 20.4 15.8 23.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.888 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.003 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

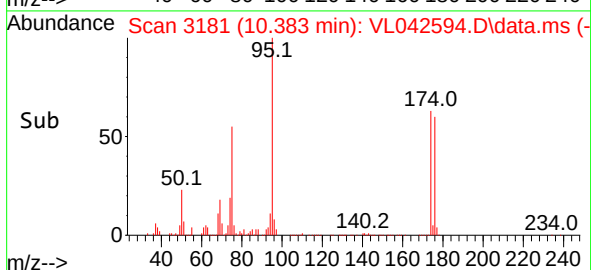
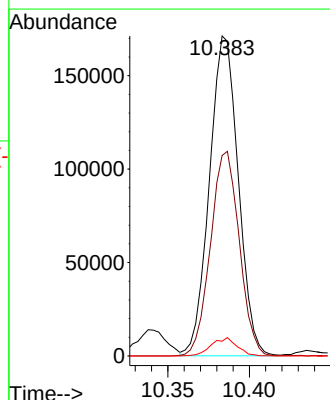
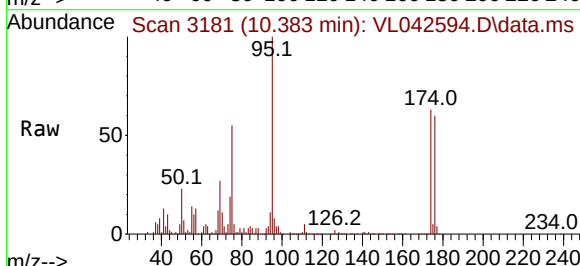
Tgt Ion: 95 Resp: 210817

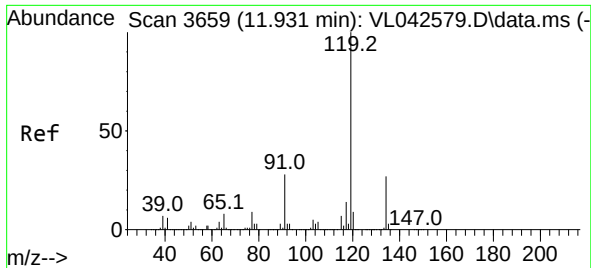
Ion Ratio Lower Upper

95 100

174 63.8 53.1 79.7

175 5.1 4.2 6.2

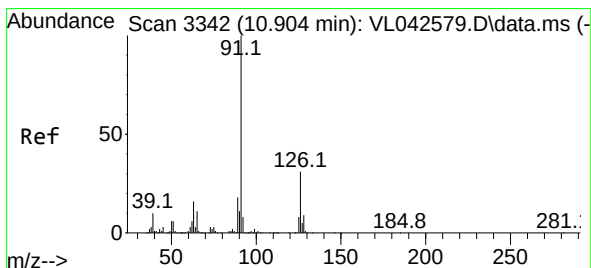
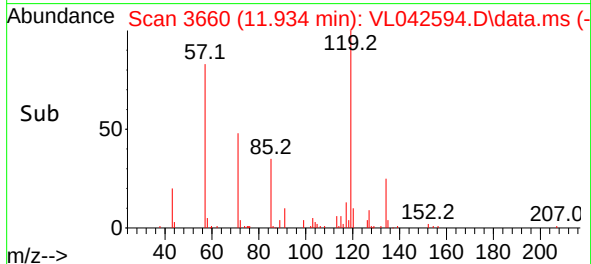
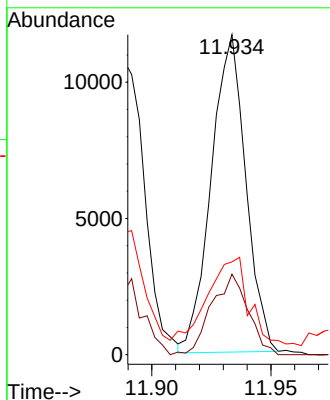
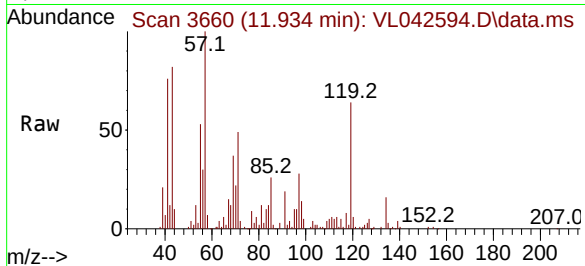




#69
 p-Isopropyltoluene
 Concen: 0.197 ppbv
 RT: 11.934 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

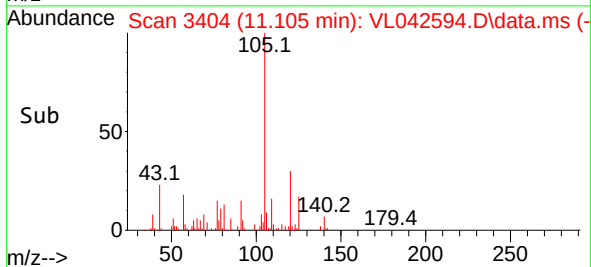
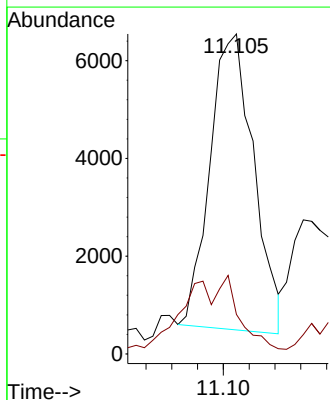
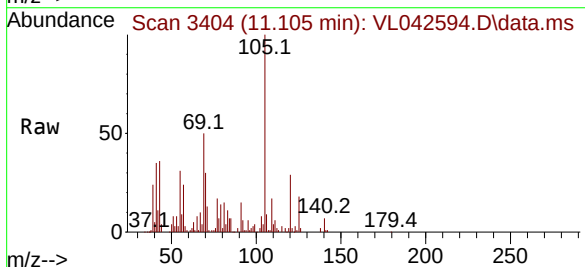
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

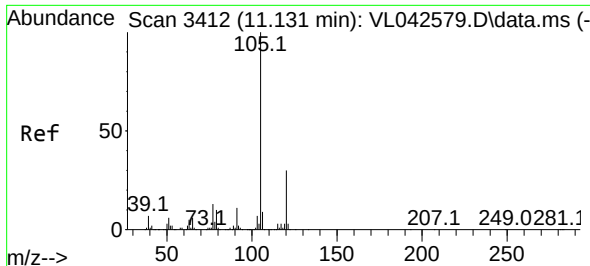
Tgt Ion:119 Resp: 11768
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.1 31.7
 91 30.7 21.9 32.9



#71
 2-Chlorotoluene
 Concen: 0.166 ppbv
 RT: 11.105 min Scan# 3404
 Delta R.T. 0.201 min
 Lab File: VL042594.D
 Acq: 29 May 2025 20:05

Tgt Ion: 91 Resp: 7104
 Ion Ratio Lower Upper
 91 100
 126 37.7 12.6 50.4

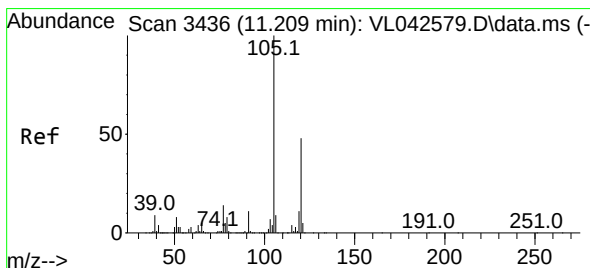
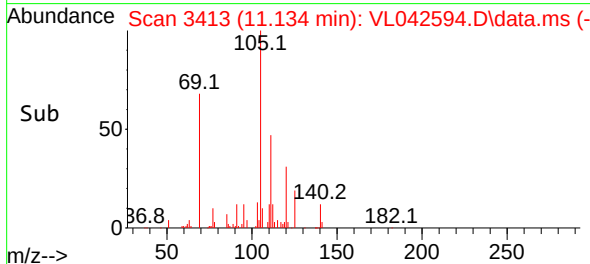
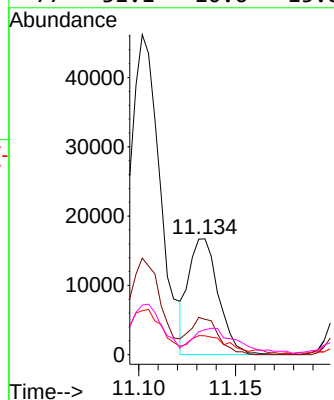
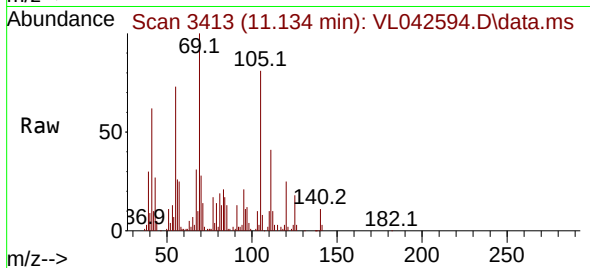




#72
4-Ethyltoluene
Concen: 0.376 ppbv
RT: 11.134 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

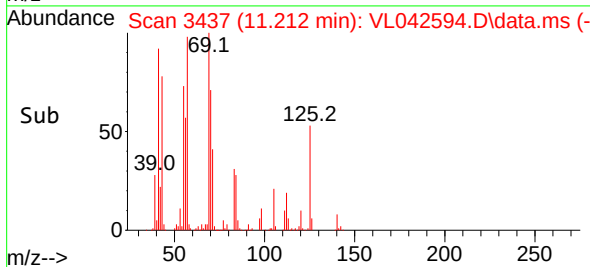
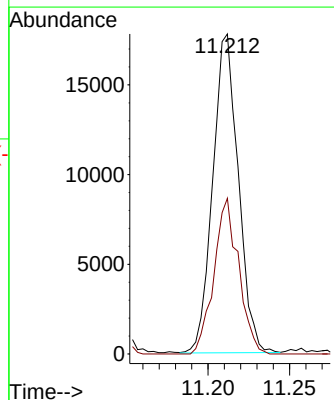
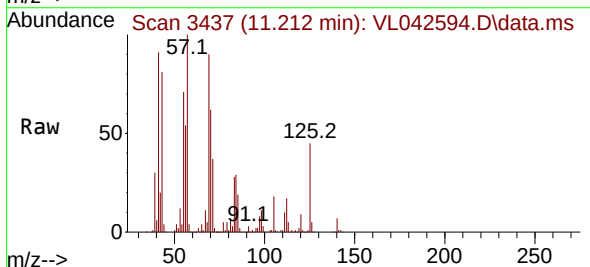
Instrument :
MSVOA_L
ClientSampleId :
SV3

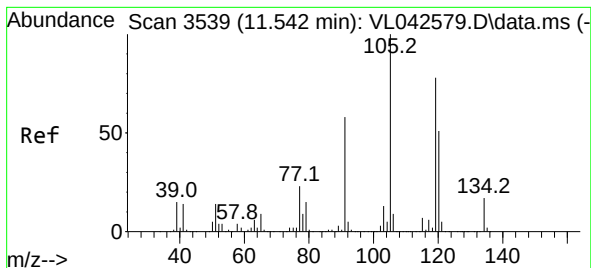
Tgt Ion:	105	Resp:	17745
Ion Ratio	Lower	Upper	
105	100		
120	0.0	24.6	36.8#
91	0.0	9.6	14.4#
77	31.1	10.6	15.8#



#73
1,3,5-Trimethylbenzene
Concen: 0.495 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.003 min
Lab File: VL042594.D
Acq: 29 May 2025 20:05

Tgt Ion:	105	Resp:	19330
Ion Ratio	Lower	Upper	
105	100		
120	48.9	38.8	58.2





#74

1,2,4-Trimethylbenzene

Concen: 0.936 ppbv

RT: 11.542 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:105 Resp: 40578

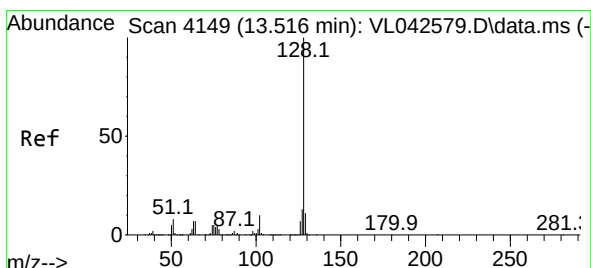
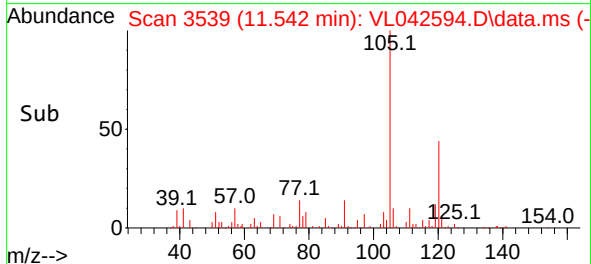
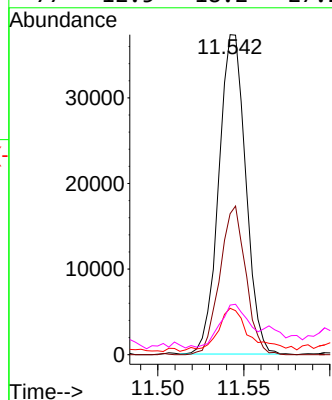
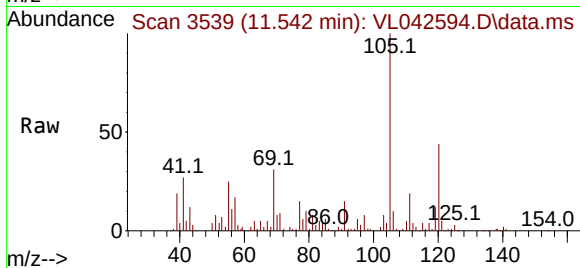
Ion Ratio Lower Upper

105 100

120 44.2 40.8 61.2

91 13.5 46.8 70.2#

77 12.5 18.2 27.2#



#79

Naphthalene

Concen: 0.050 ppbv

RT: 13.520 min Scan# 4150

Delta R.T. 0.003 min

Lab File: VL042594.D

Acq: 29 May 2025 20:05

Tgt Ion:128 Resp: 2060

Ion Ratio Lower Upper

128 100

127 141.9 10.2 15.4#

129 5.6 8.8 13.2#

