

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042778.D
 Acq On : 29 Jul 2025 12:02
 Operator : SY/MD
 Sample : Q2712-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Jul 30 01:09:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	149429	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	410248	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	394368	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	314955	10.085	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2929	0.148	ppbv	94
3) Chlorodifluoromethane	1.470	51	32778	1.274	ppbv #	77
4) Chloromethane	1.531	50	488	0.061	ppbv #	75
6) Bromomethane	1.683	94	135	0.044	ppbv #	57
7) Chloroethane	1.495	64	509	0.167	ppbv #	52
8) Dichlorotetrafluoroethane	1.440	85	367	0.023	ppbv	92
9) Propene	1.560	41	47731	5.103	ppbv	100
10) Heptane	4.991	43	7461	0.296	ppbv #	34
11) Trichlorofluoromethane	1.884	101	4733	0.232	ppbv	98
13) Ethanol	1.725	45	95182	138.599	ppbv	88
15) Acetone	1.839	43	89139	4.320	ppbv	98
16) 1,3-Butadiene	1.622	39	1883	0.214	ppbv #	16
17) tert-Butyl alcohol	2.046	59	918	0.049	ppbv #	5
19) Isopropyl Alcohol	1.894	45	7506	0.685	ppbv #	1
20) Methylene Chloride	2.065	84	1768	0.272	ppbv	93
21) Allyl Chloride	1.991	41	349	0.027	ppbv #	50
23) Vinyl Acetate	2.479	43	2079	0.083	ppbv #	36
25) Ethyl Acetate	2.835	43	70098	1.535	ppbv #	91
26) Hexane	2.832	57	55756	2.783	ppbv #	60
29) Chloroform	2.855	83	2989	0.097	ppbv	93
30) Cyclohexane	3.865	84	588	0.035	ppbv #	1
31) cis-1,2-Dichloroethene	2.845	61	3684	0.179	ppbv #	23
34) 2-Butanone	2.567	43	13180	0.454	ppbv	96
36) Benzene	3.664	78	1464	0.038	ppbv #	69
39) 1,2-Dichloropropane	3.965	63	105562	7.355	ppbv #	21
41) Tetrahydrofuran	3.072	42	981	0.066	ppbv #	65
51) 2-Hexanone	7.451	43	10879	0.385	ppbv #	98
52) Tetrachloroethene	8.237	164	67451	4.185	ppbv	96
53) Toluene	6.943	91	29236	0.700	ppbv	97
58) Ethyl Benzene	9.367	91	7527	0.121	ppbv	97
60) o-Xylene	9.972	91	17420	0.350	ppbv	91
61) Styrene	9.875	104	1056	0.050	ppbv #	24
62) Isopropylbenzene	10.548	105	3944	0.054	ppbv	93
63) 1,1,2,2-Tetrachloroethane	9.956	83	4617	0.145	ppbv #	23
64) n-propylbenzene	11.345	120	453	0.024	ppbv	76
66) Benzyl Chloride	11.626	91	431	0.081	ppbv #	65
71) 2-Chlorotoluene	10.998	91	7614	0.135	ppbv	86
72) 4-Ethyltoluene	11.128	105	3285	0.055	ppbv #	46
73) 1,3,5-Trimethylbenzene	11.212	105	5689	0.116	ppbv	92
74) 1,2,4-Trimethylbenzene	11.542	105	6761	0.127	ppbv #	53
79) Naphthalene	13.529	128	159	0.438	ppbv #	59
80) Naphthalene,2-methyl-	14.474	142	66	1.130	ppbv #	41
81) 1,2,4-Trichlorobenzene	13.442	180	65	0.437	ppbv #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042778.D
Acq On : 29 Jul 2025 12:02
Operator : SY/MD
Sample : Q2712-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

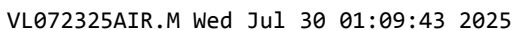
Instrument :
MSVOA_L
ClientSampleId :
SV2

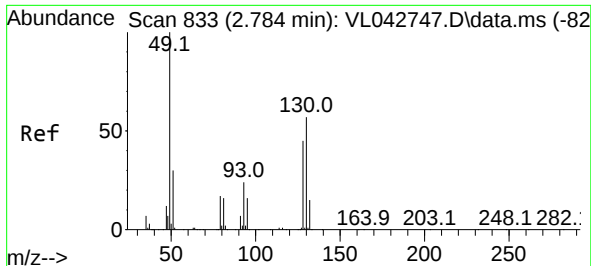
Quant Time: Jul 30 01:09:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

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

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

Quant Time: Jul 30 01:09:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

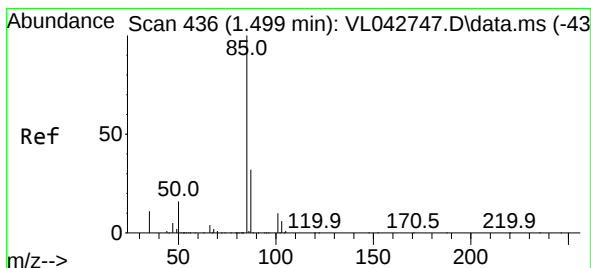
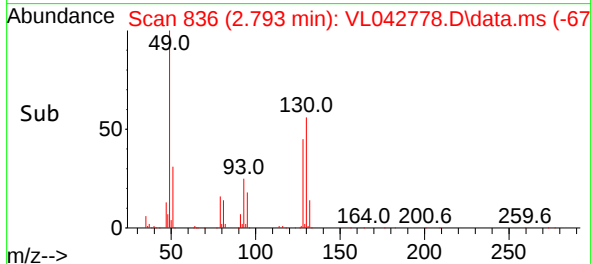
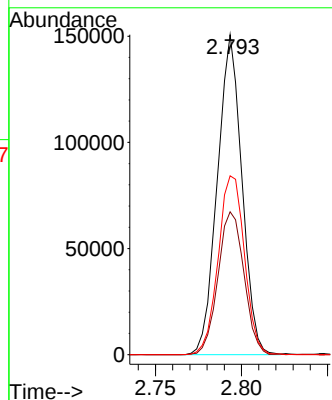
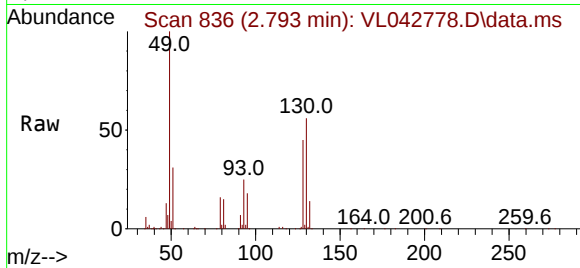




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.793 min Scan# 81
 Delta R.T. 0.009 min
 Lab File: VL042778.D
 Acq: 29 Jul 2025 12:02

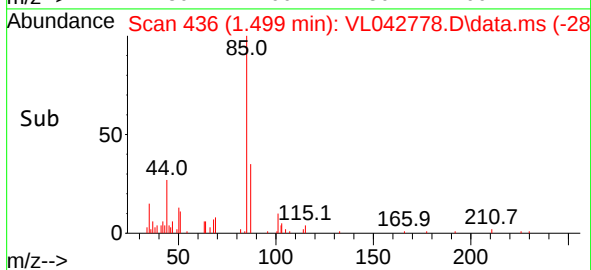
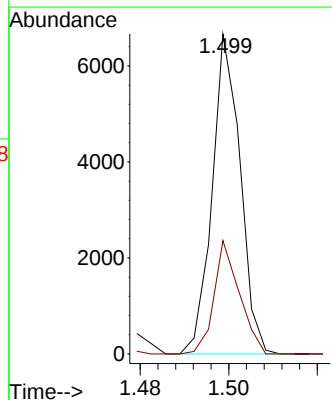
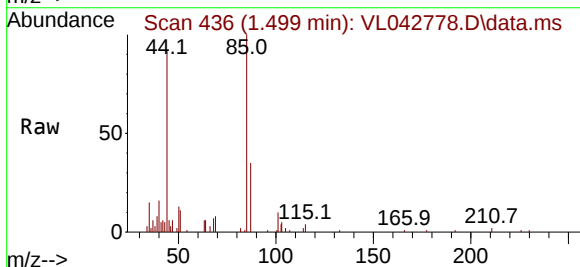
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Tgt Ion: 49 Resp: 149429
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.6 71.0
 130 59.8 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.148 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042778.D
 Acq: 29 Jul 2025 12:02

Tgt Ion: 85 Resp: 2929
 Ion Ratio Lower Upper
 85 100
 87 35.4 25.4 38.2

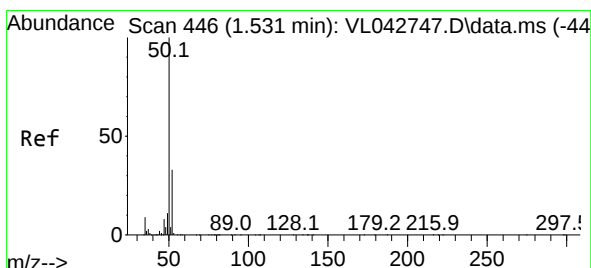
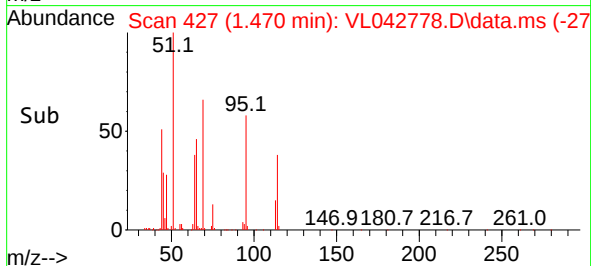
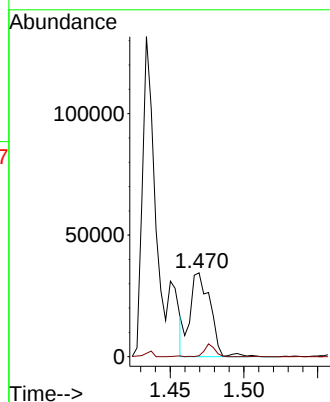
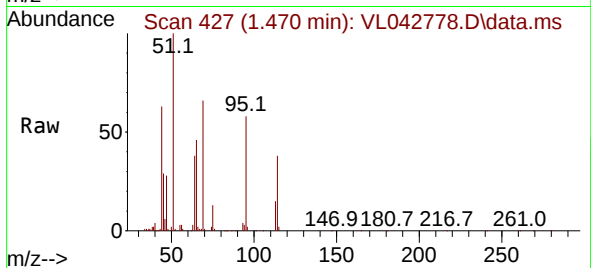




#3
Chlorodifluoromethane
Concen: 1.274 ppbv
RT: 1.470 min Scan# 429
Delta R.T. -0.007 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

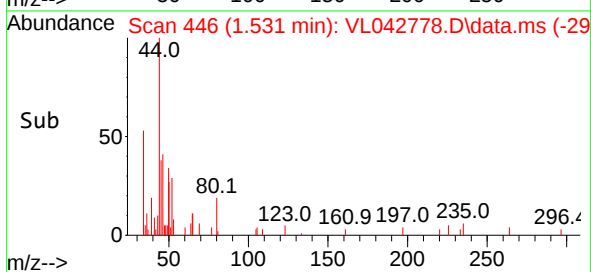
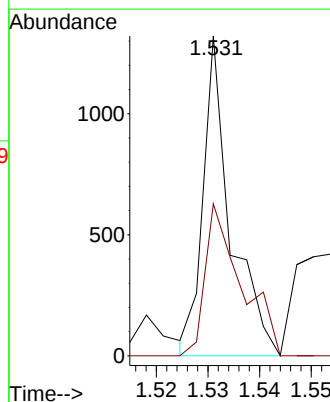
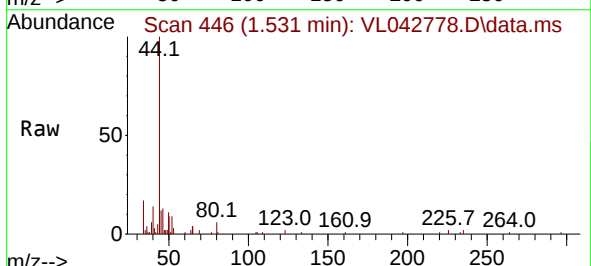
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ClientSampleId :
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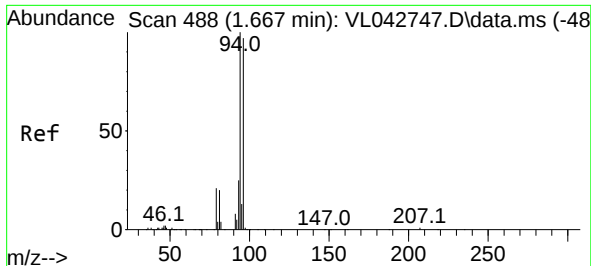
Tgt Ion: 51 Resp: 32778
Ion Ratio Lower Upper
51 100
67 8.3 15.0 22.6#



#4
Chloromethane
Concen: 0.061 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 50 Resp: 488
Ion Ratio Lower Upper
50 100
52 47.5 26.6 40.0#





#6

Bromomethane

Concen: 0.044 ppbv

RT: 1.683 min Scan# 491

Delta R.T. 0.016 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

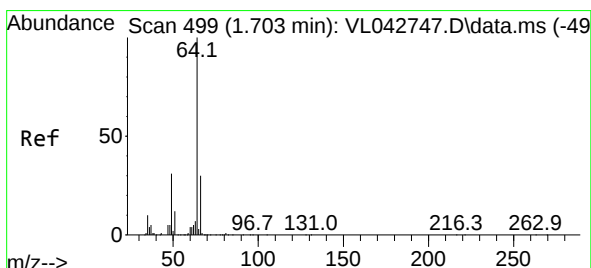
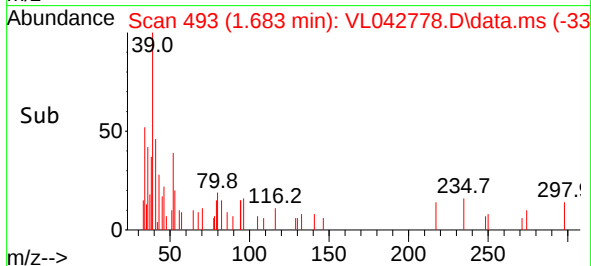
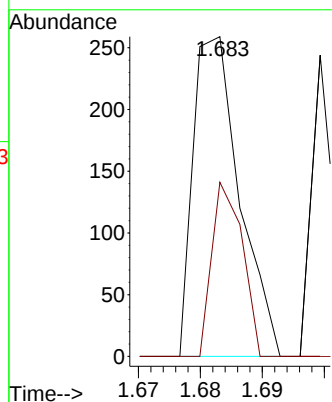
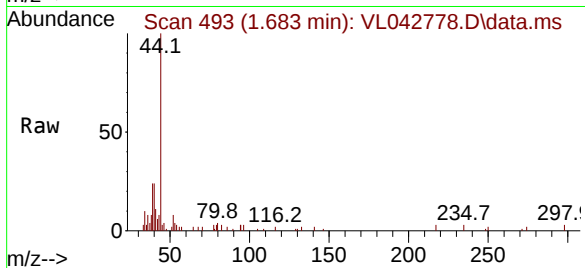
SV2

Tgt Ion: 94 Resp: 135

Ion Ratio Lower Upper

94 100

96 54.4 77.6 116.4#



#7

Chloroethane

Concen: 0.167 ppbv

RT: 1.495 min Scan# 435

Delta R.T. -0.207 min

Lab File: VL042778.D

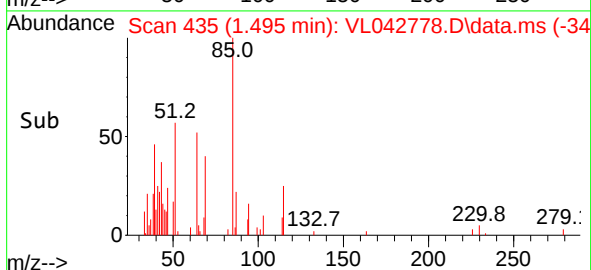
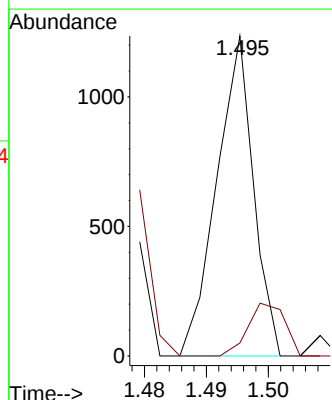
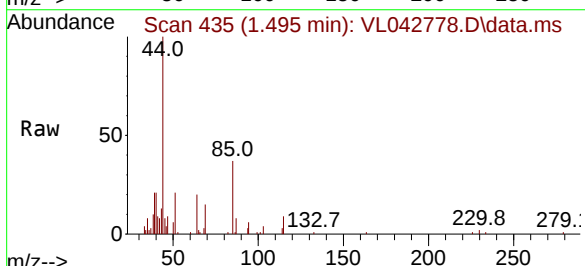
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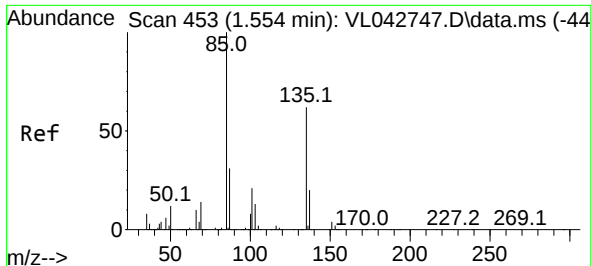
Tgt Ion: 64 Resp: 509

Ion Ratio Lower Upper

64 100

66 4.0 24.1 36.1#

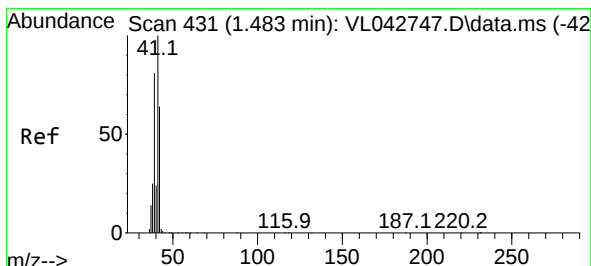
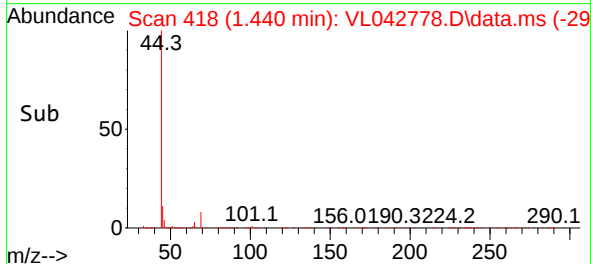
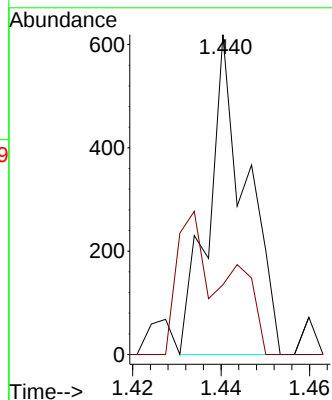
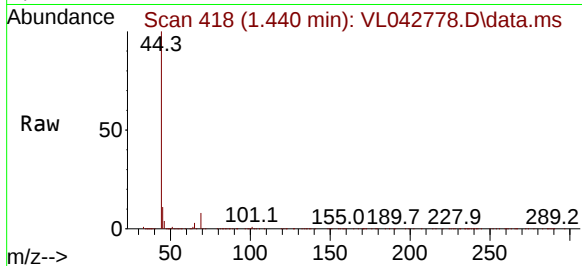




#8
Dichlorotetrafluoroethane
Concen: 0.023 ppbv
RT: 1.440 min Scan# 41
Delta R.T. -0.113 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

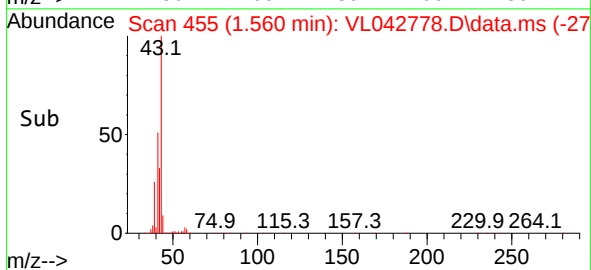
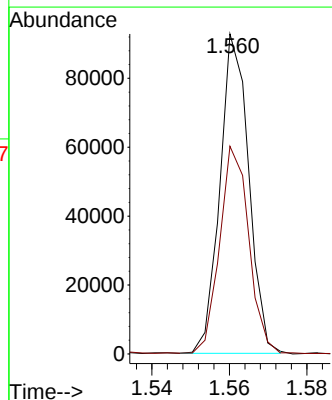
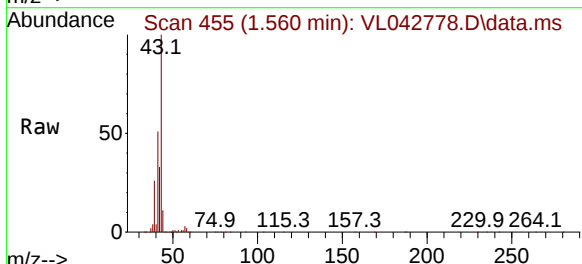
Instrument :
MSVOA_L
ClientSampleId :
SV2

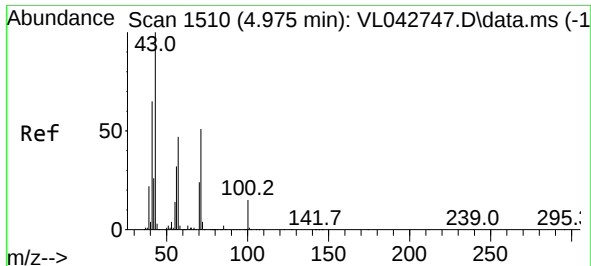
Tgt Ion: 85 Resp: 367
Ion Ratio Lower Upper
85 100
135 56.9 50.6 76.0



#9
Propene
Concen: 5.103 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.077 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 41 Resp: 47731
Ion Ratio Lower Upper
41 100
42 66.9 53.2 79.8





#10

Heptane

Concen: 0.296 ppbv

RT: 4.991 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

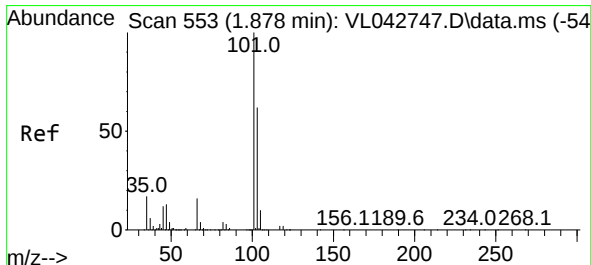
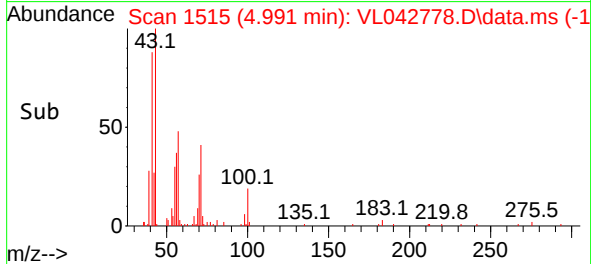
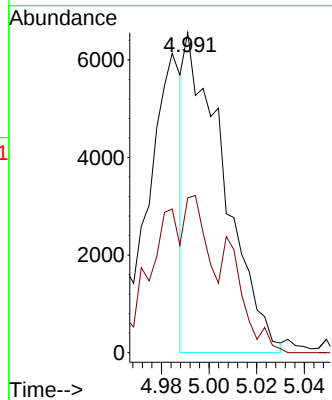
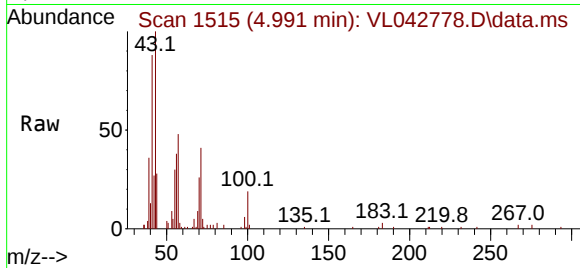
SV2

Tgt Ion: 43 Resp: 7461

Ion Ratio Lower Upper

43 100

57 95.3 39.9 59.9#



#11

Trichlorofluoromethane

Concen: 0.232 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.006 min

Lab File: VL042778.D

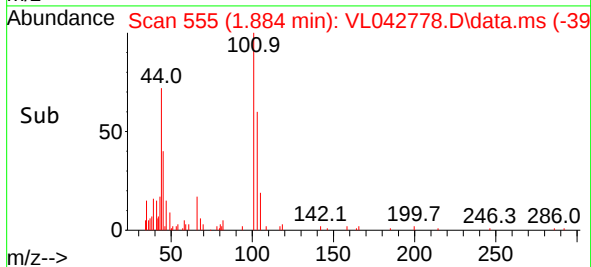
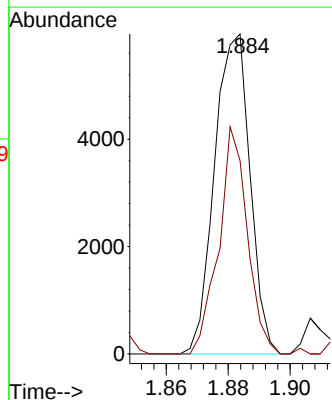
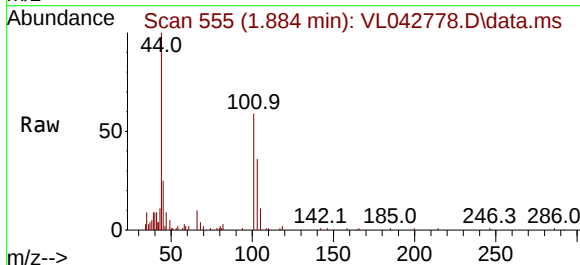
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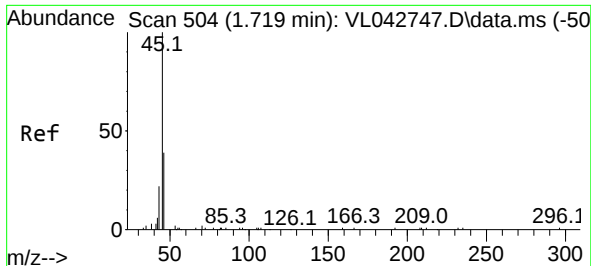
Tgt Ion:101 Resp: 4733

Ion Ratio Lower Upper

101 100

103 60.5 49.6 74.4

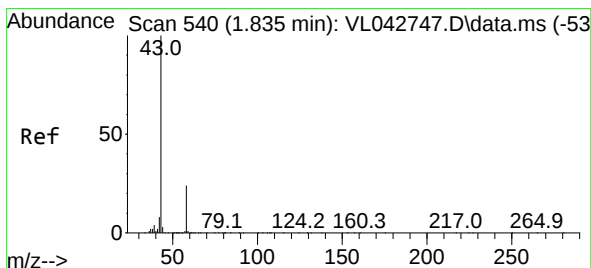
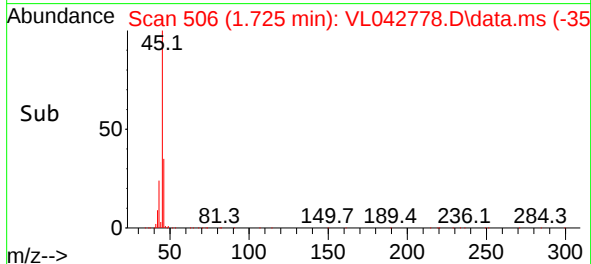
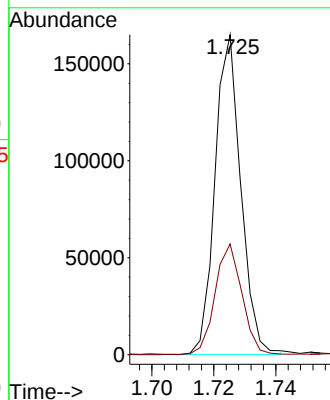
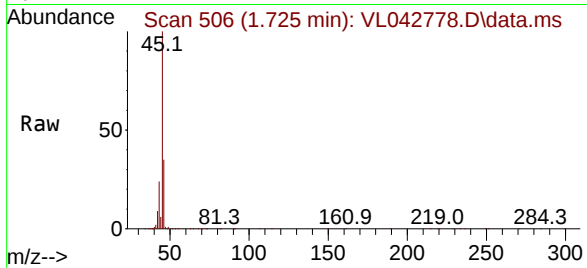




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Ethanol
Concen: 138.599 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

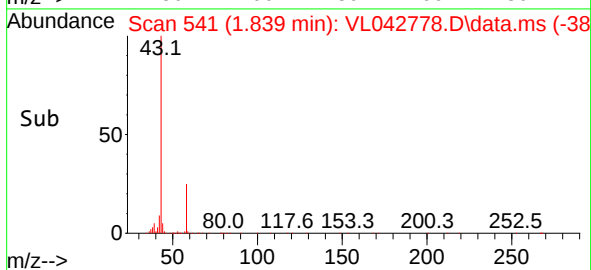
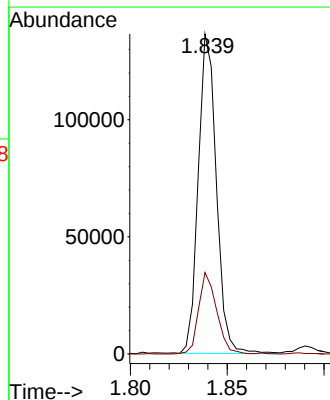
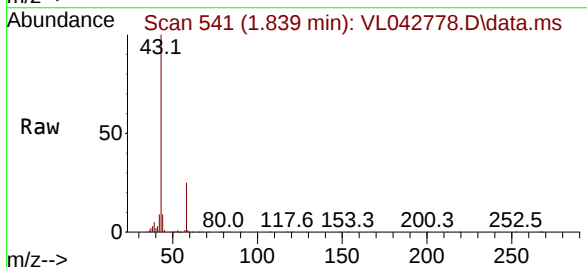
Instrument :
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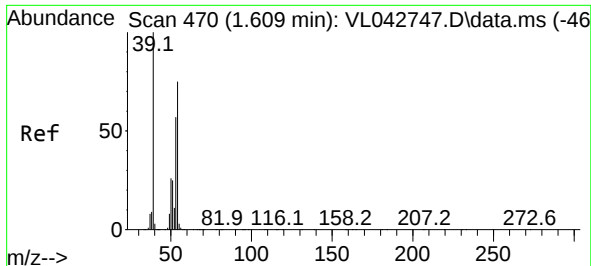
Tgt Ion: 45 Resp: 95182
Ion Ratio Lower Upper
45 100
46 36.8 17.8 71.4



#15
Acetone
Concen: 4.320 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 43 Resp: 89139
Ion Ratio Lower Upper
43 100
58 25.6 19.8 29.8

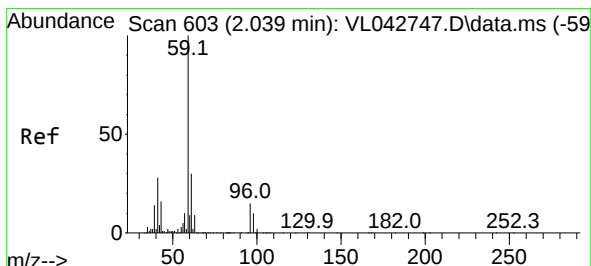
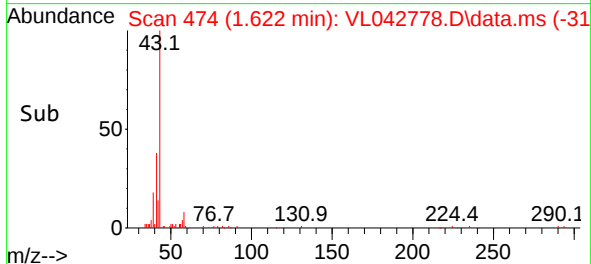
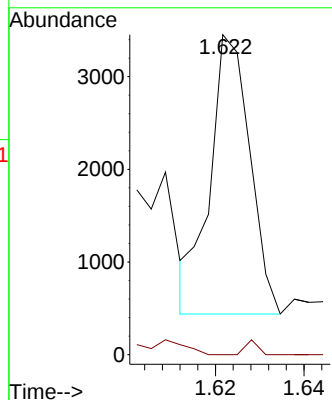
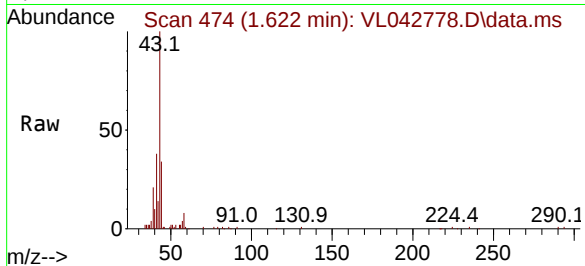




#16
1,3-Butadiene
Concen: 0.214 ppbv
RT: 1.622 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

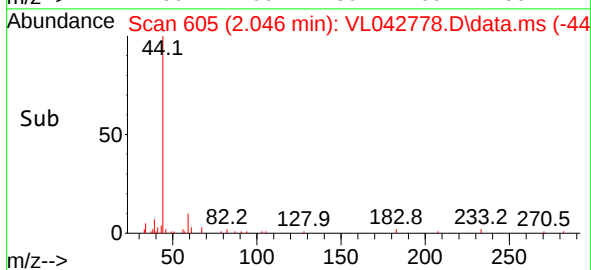
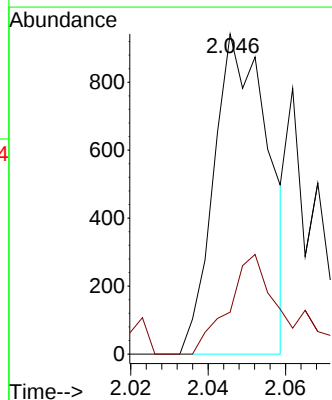
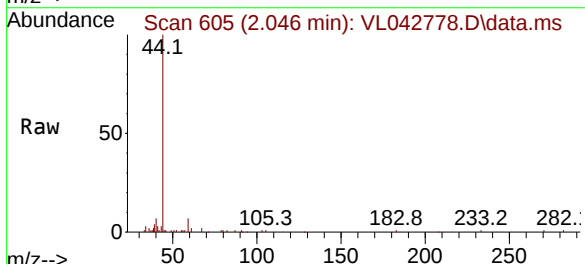
Instrument :
MSVOA_L
ClientSampleId :
SV2

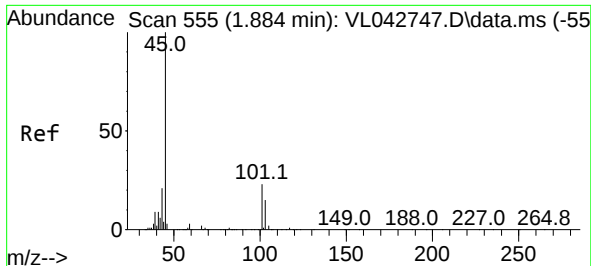
Tgt Ion: 39 Resp: 1883
Ion Ratio Lower Upper
39 100
54 0.0 54.5 81.7#



#17
tert-Butyl alcohol
Concen: 0.049 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 59 Resp: 918
Ion Ratio Lower Upper
59 100
57 46.0 8.3 12.5#

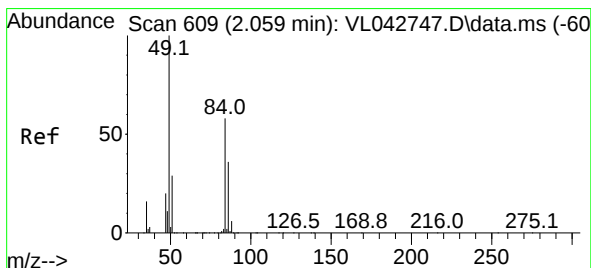
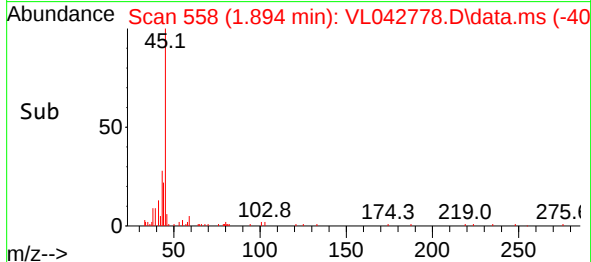
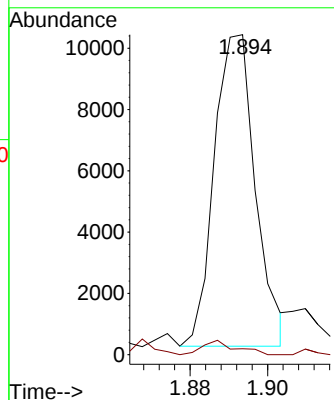
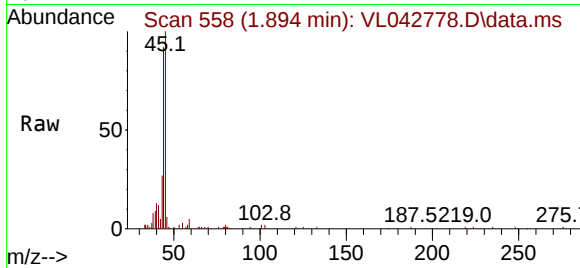




#19
Isopropyl Alcohol
Concen: 0.685 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

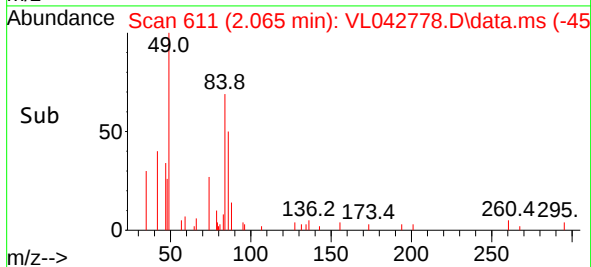
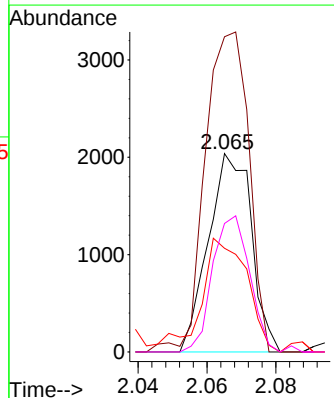
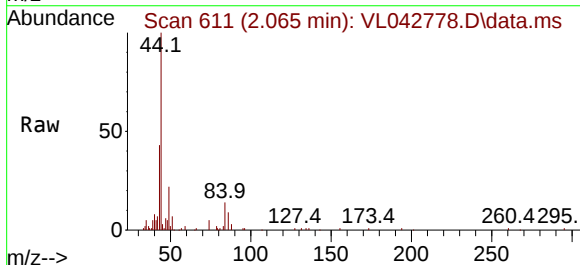
Instrument :
MSVOA_L
ClientSampleId :
SV2

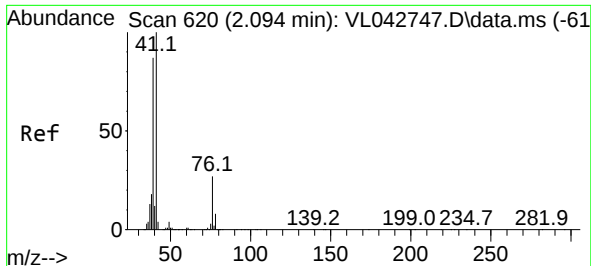
Tgt Ion: 45 Resp: 7506
Ion Ratio Lower Upper
45 100
58 303.4 30.0 45.0#



#20
Methylene Chloride
Concen: 0.272 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 84 Resp: 1768
Ion Ratio Lower Upper
84 100
49 158.9 138.6 208.0
51 52.3 40.6 61.0
86 64.8 49.8 74.8

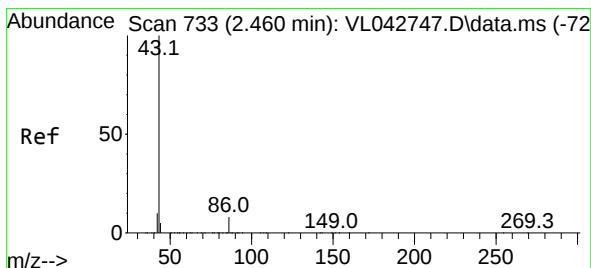
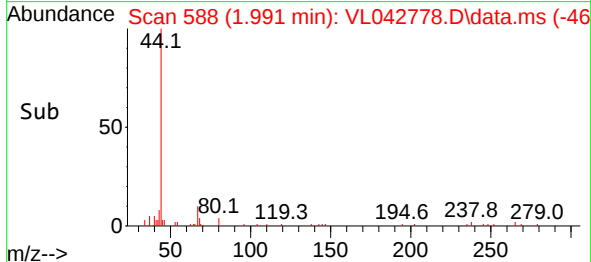
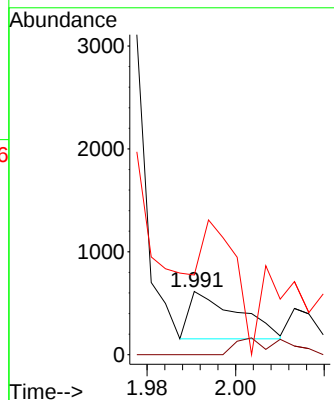
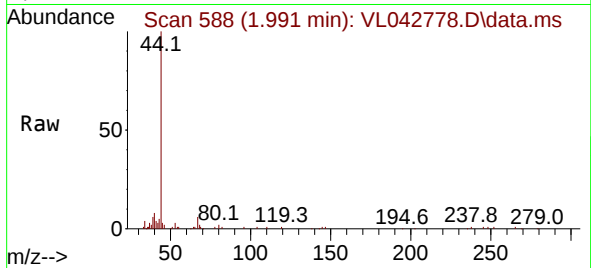




#21
 Allyl Chloride
 Concen: 0.027 ppbv
 RT: 1.991 min Scan# 51
 Delta R.T. -0.104 min
 Lab File: VL042778.D
 Acq: 29 Jul 2025 12:02

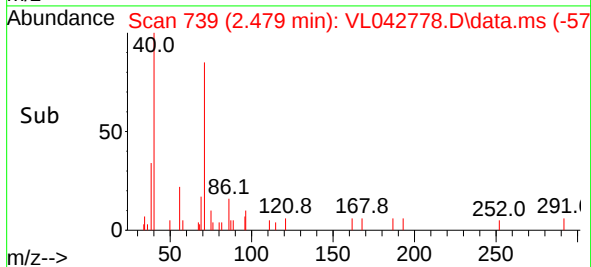
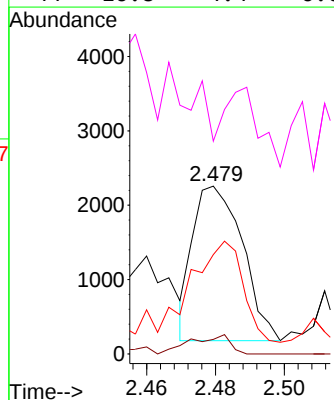
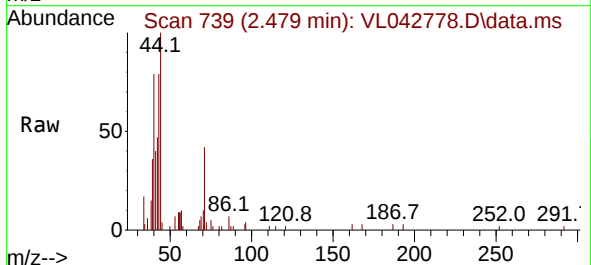
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

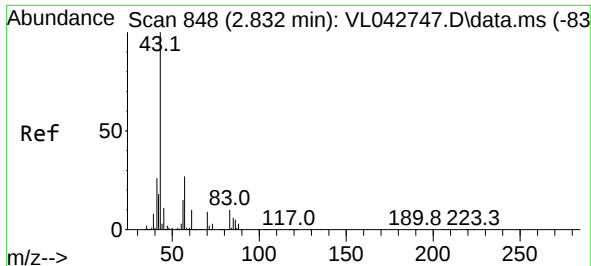
Tgt Ion: 41 Resp: 349
 Ion Ratio Lower Upper
 41 100
 76 35.5 21.1 31.7#
 39 140.7 68.3 102.5#



#23
 Vinyl Acetate
 Concen: 0.083 ppbv
 RT: 2.479 min Scan# 739
 Delta R.T. 0.019 min
 Lab File: VL042778.D
 Acq: 29 Jul 2025 12:02

Tgt Ion: 43 Resp: 2079
 Ion Ratio Lower Upper
 43 100
 86 9.4 6.1 9.1#
 42 56.7 7.8 11.8#
 44 16.8 4.4 6.6#

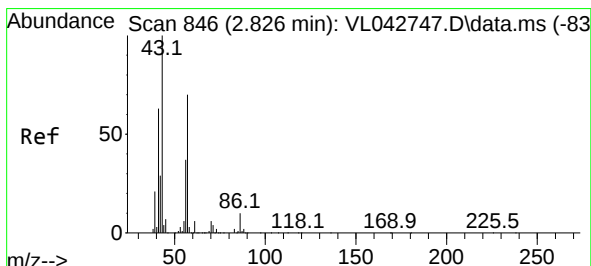
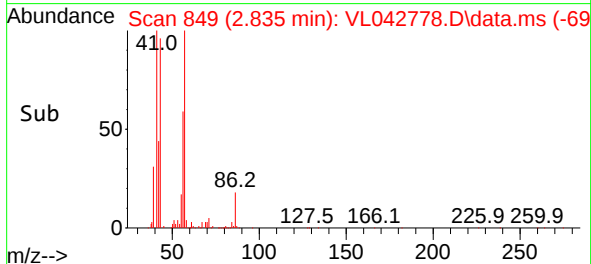
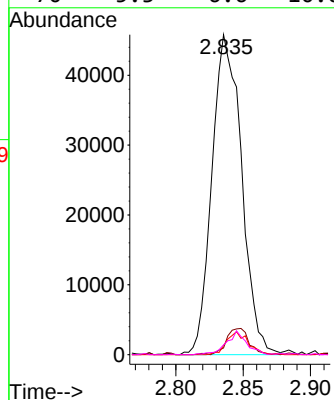
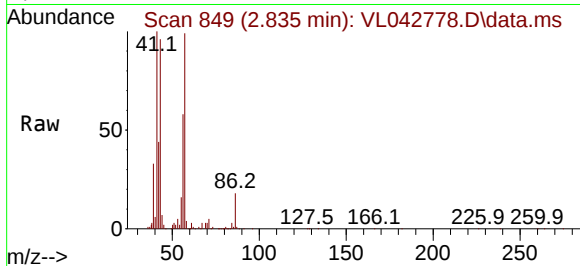




#25
Ethyl Acetate
Concen: 1.535 ppbv
RT: 2.835 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

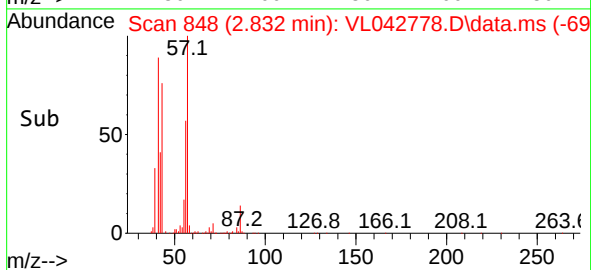
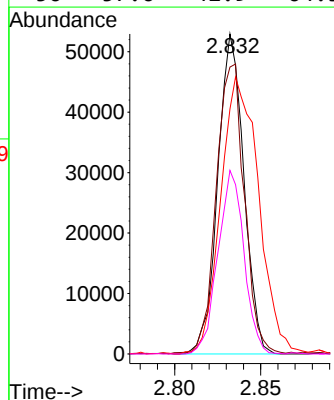
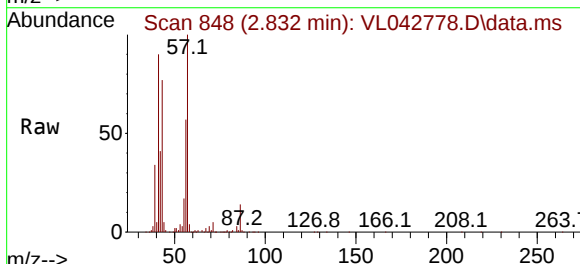
Instrument :
MSVOA_L
ClientSampleId :
SV2

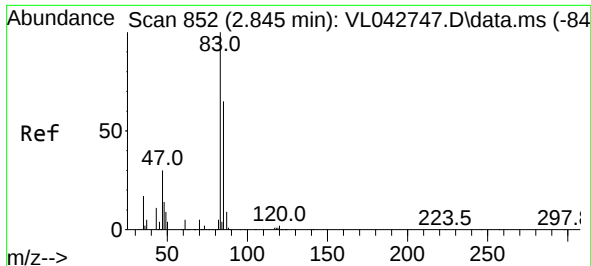
Tgt Ion: 43 Resp: 70098
Ion Ratio Lower Upper
43 100
45 6.5 7.8 11.6#
61 5.3 6.7 10.1#
70 5.3 6.6 10.0#



#26
Hexane
Concen: 2.783 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 57 Resp: 55756
Ion Ratio Lower Upper
57 100
41 97.8 75.4 113.2
43 126.4 185.0 277.6#
56 57.6 42.9 64.3





#29

Chloroform

Concen: 0.097 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.010 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

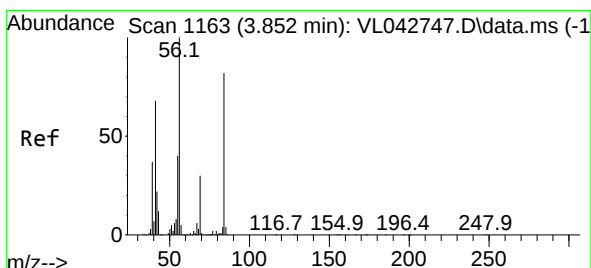
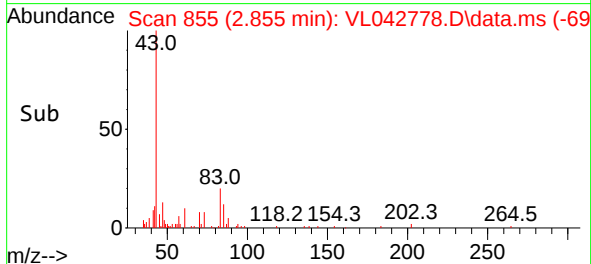
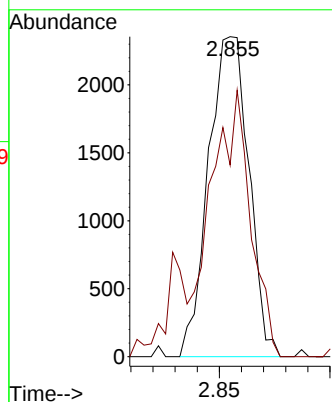
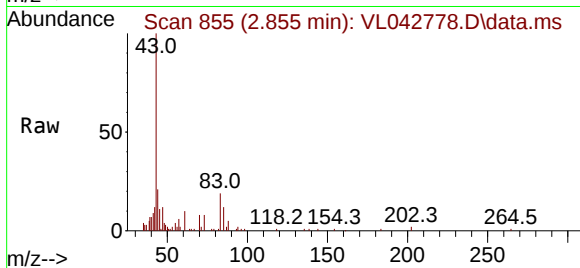
SV2

Tgt Ion: 83 Resp: 2989

Ion Ratio Lower Upper

83 100

85 59.9 52.2 78.2



#30

Cyclohexane

Concen: 0.035 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.013 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

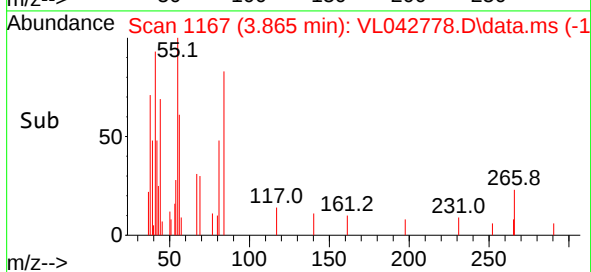
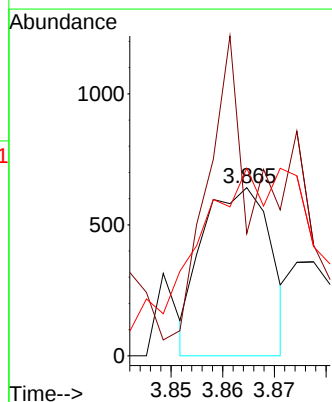
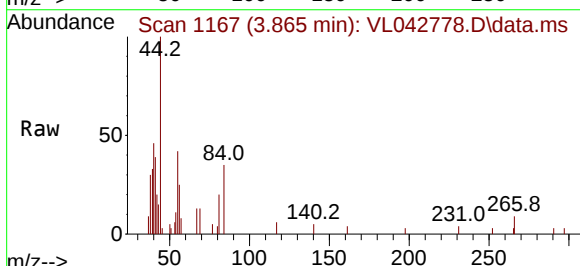
Tgt Ion: 84 Resp: 588

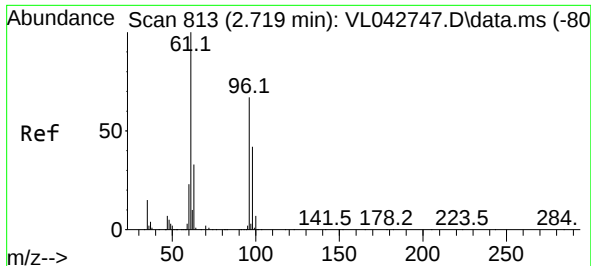
Ion Ratio Lower Upper

84 100

56 226.2 97.5 146.3#

41 280.3 67.2 100.8#

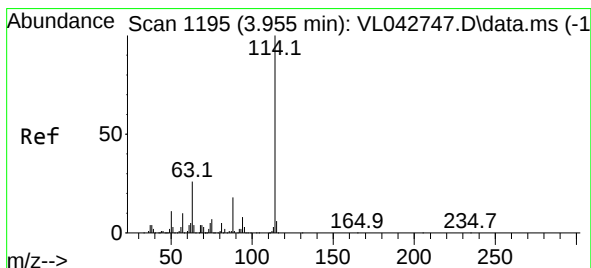
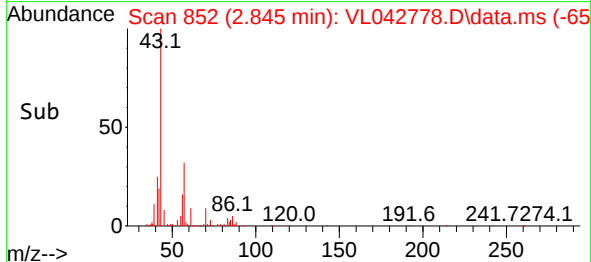
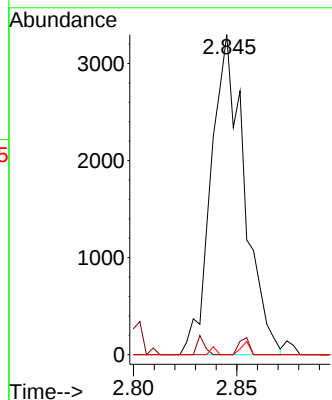
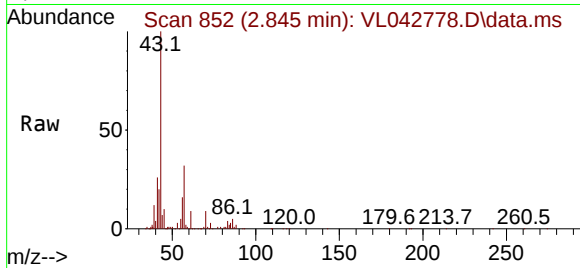




#31
 cis-1,2-Dichloroethene
 Concen: 0.179 ppbv
 RT: 2.845 min Scan# 813
 Delta R.T. 0.126 min
 Lab File: VL042778.D
 Acq: 29 Jul 2025 12:02

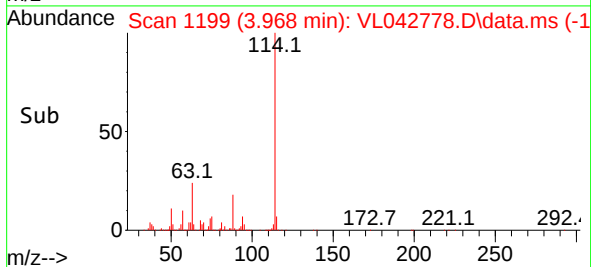
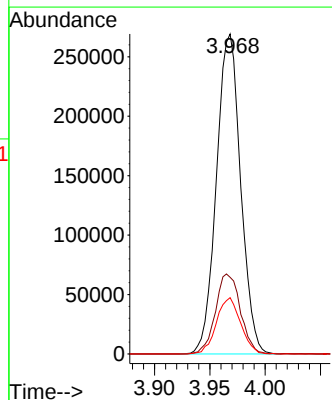
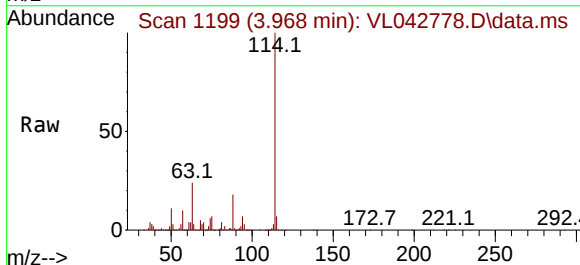
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

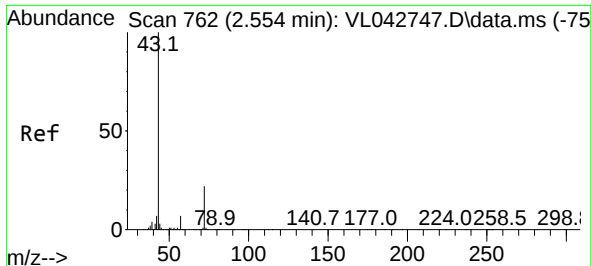
Tgt Ion: 61 Resp: 3684
 Ion Ratio Lower Upper
 61 100
 96 0.0 53.5 80.3#
 98 0.0 33.6 50.4#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.968 min Scan# 1199
 Delta R.T. 0.013 min
 Lab File: VL042778.D
 Acq: 29 Jul 2025 12:02

Tgt Ion: 114 Resp: 410248
 Ion Ratio Lower Upper
 114 100
 63 25.8 20.5 30.7
 88 17.5 14.0 21.0

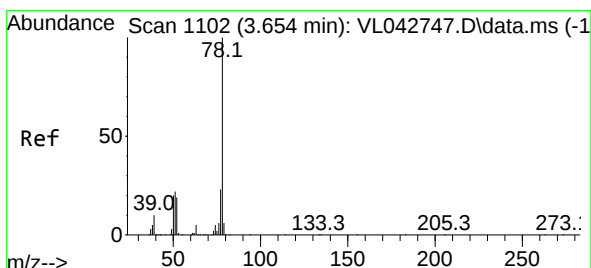
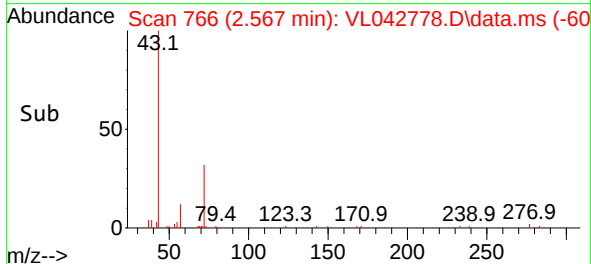
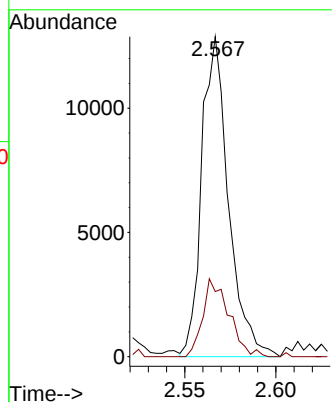
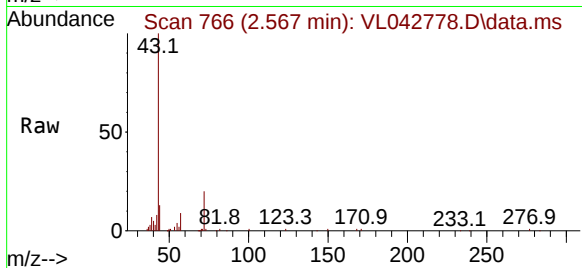




#34
2-Butanone
Concen: 0.454 ppbv
RT: 2.567 min Scan# 71
Delta R.T. 0.013 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

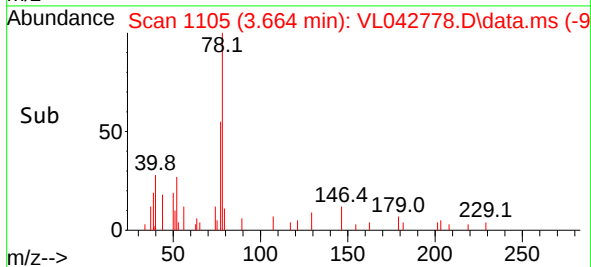
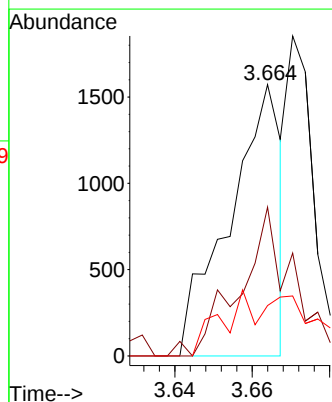
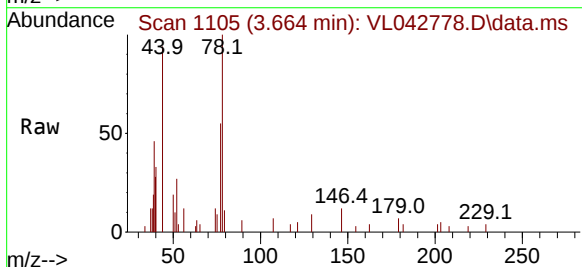
Instrument :
MSVOA_L
ClientSampleId :
SV2

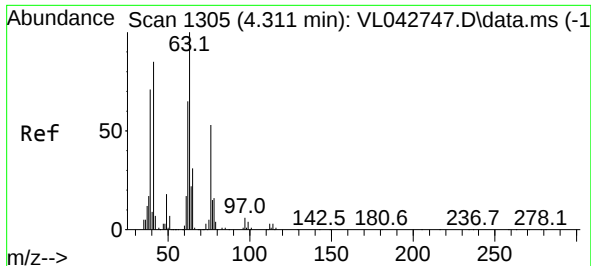
Tgt Ion: 43 Resp: 13180
Ion Ratio Lower Upper
43 100
72 23.7 17.4 26.0



#36
Benzene
Concen: 0.038 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 78 Resp: 1464
Ion Ratio Lower Upper
78 100
77 49.5 18.5 27.7#
50 18.6 16.2 24.2





#39

1,2-Dichloropropane

Concen: 7.355 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

SV2

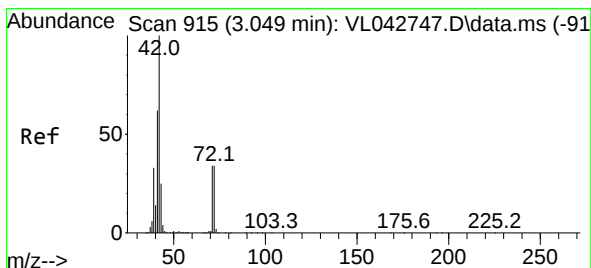
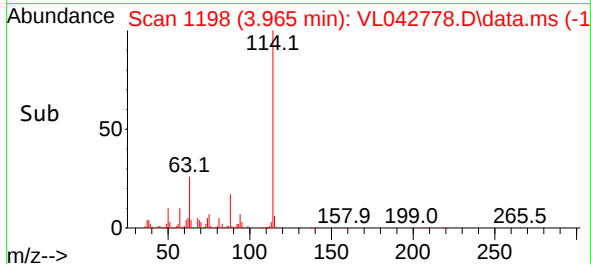
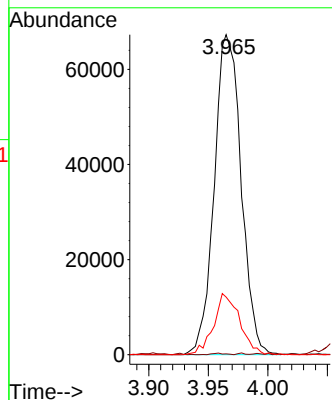
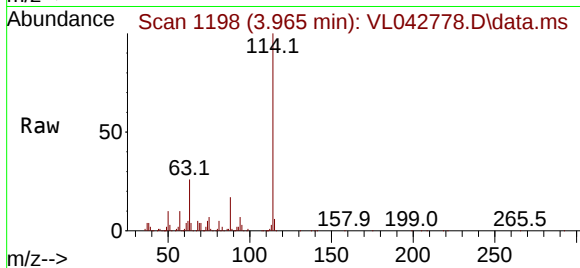
Tgt Ion: 63 Resp: 105562

Ion Ratio Lower Upper

63 100

41 0.1 68.2 102.4#

62 18.0 52.0 78.0#



#41

Tetrahydrofuran

Concen: 0.066 ppbv

RT: 3.072 min Scan# 922

Delta R.T. 0.022 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

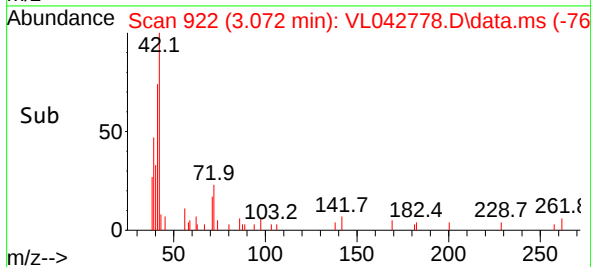
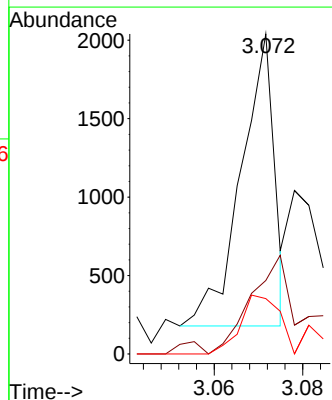
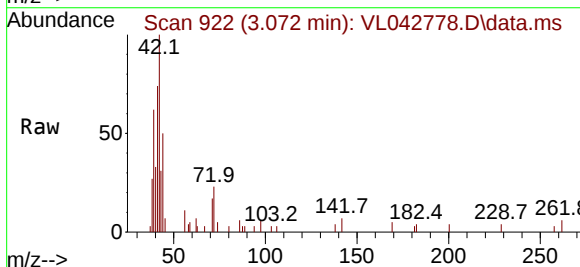
Tgt Ion: 42 Resp: 981

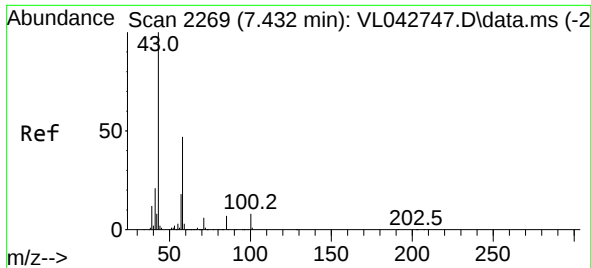
Ion Ratio Lower Upper

42 100

72 0.0 30.9 46.3#

71 33.6 28.6 43.0

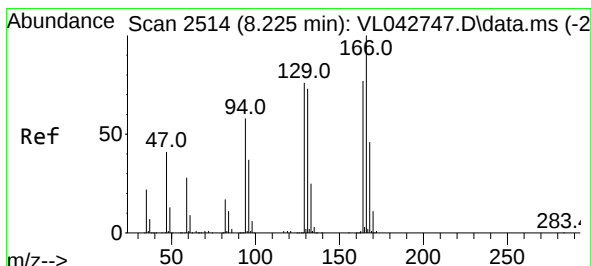
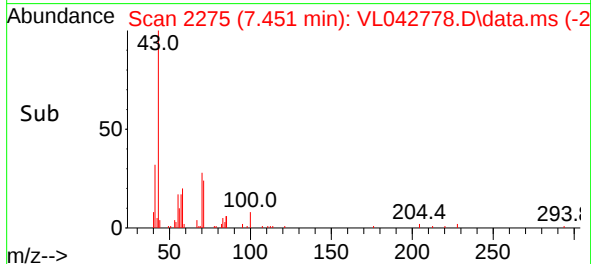
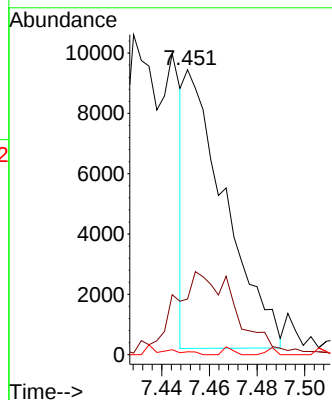
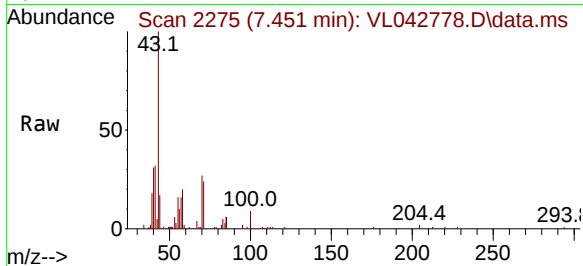




#51
2-Hexanone
Concen: 0.385 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

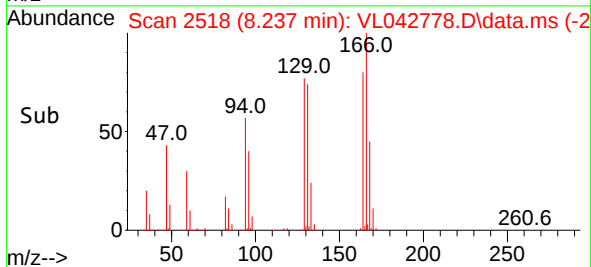
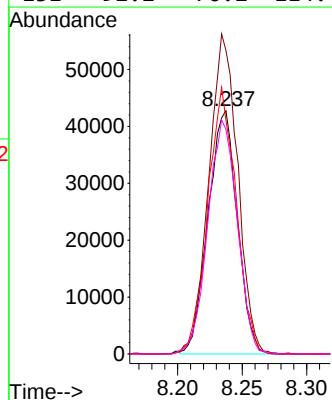
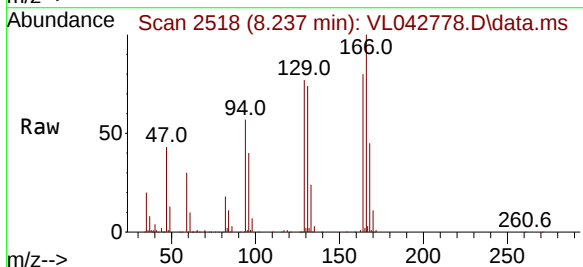
Instrument :
MSVOA_L
ClientSampleId :
SV2

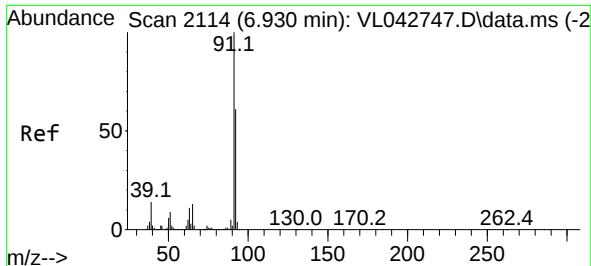
Tgt Ion: 43 Resp: 10879
Ion Ratio Lower Upper
43 100
58 46.2 38.0 57.0
98 2.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 4.185 ppbv
RT: 8.237 min Scan# 2518
Delta R.T. 0.013 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 164 Resp: 67451
Ion Ratio Lower Upper
164 100
166 124.8 104.0 156.0
129 96.1 79.2 118.8
131 92.2 76.2 114.4





#53

Toluene

Concen: 0.700 ppbv

RT: 6.943 min Scan# 2118

Delta R.T. 0.013 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

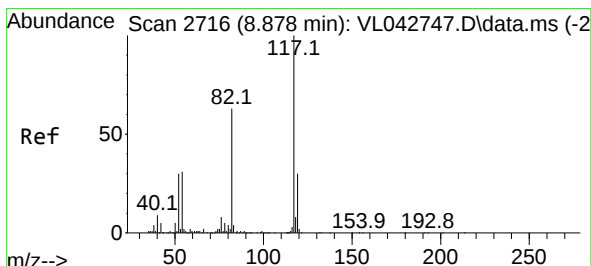
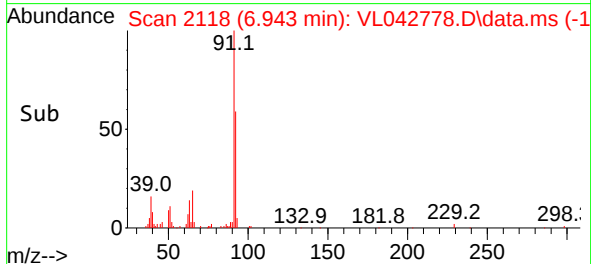
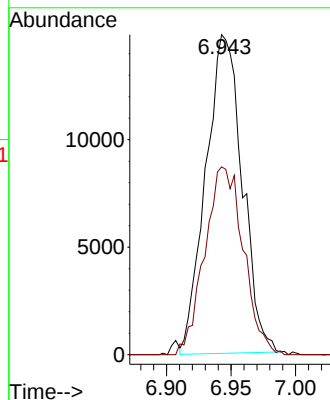
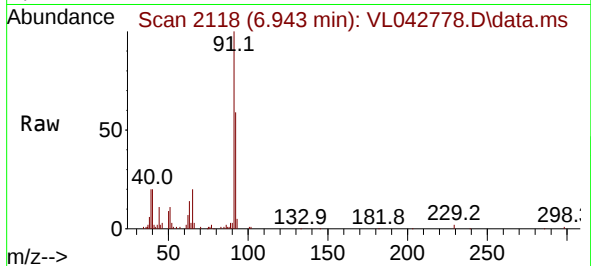
SV2

Tgt Ion: 91 Resp: 29236

Ion Ratio Lower Upper

91 100

92 62.2 48.0 72.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.010 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

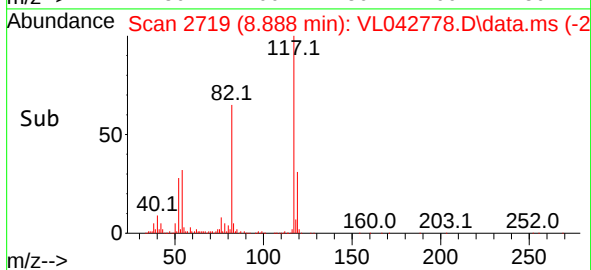
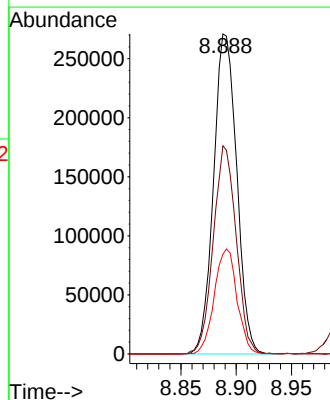
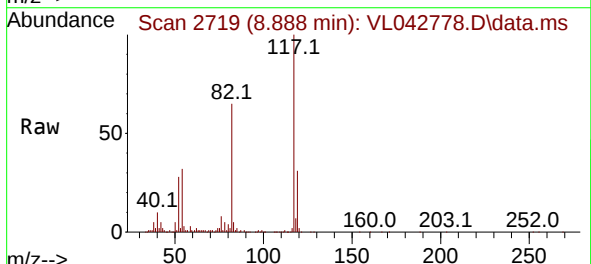
Tgt Ion: 117 Resp: 394368

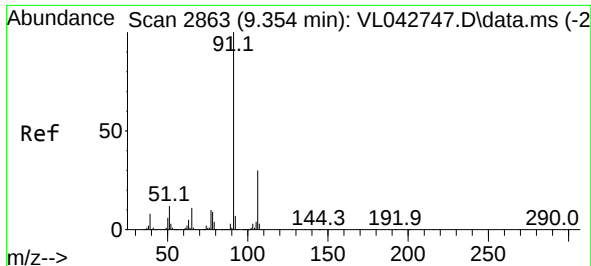
Ion Ratio Lower Upper

117 100

82 64.4 53.3 79.9

119 32.4 25.8 38.6





#58

Ethyl Benzene

Concen: 0.121 ppbv

RT: 9.367 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

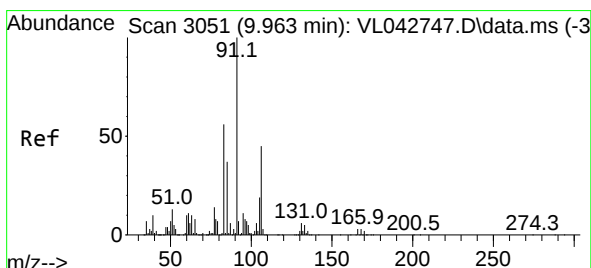
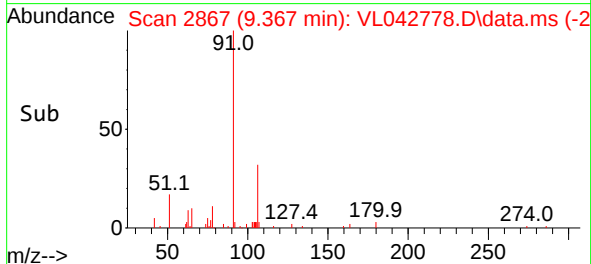
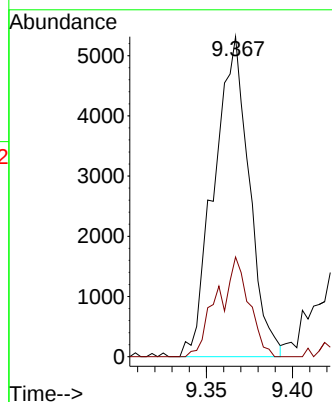
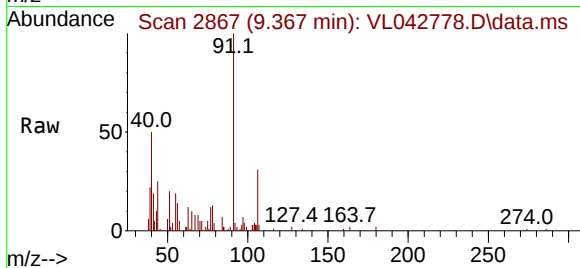
SV2

Tgt Ion: 91 Resp: 7527

Ion Ratio Lower Upper

91 100

106 31.2 23.8 35.6



#60

o-Xylene

Concen: 0.350 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL042778.D

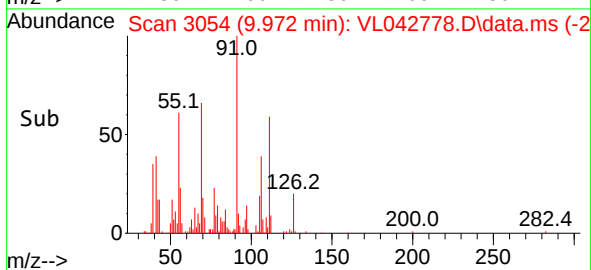
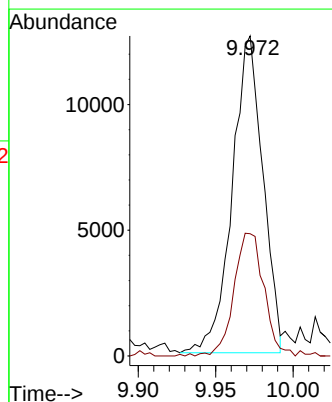
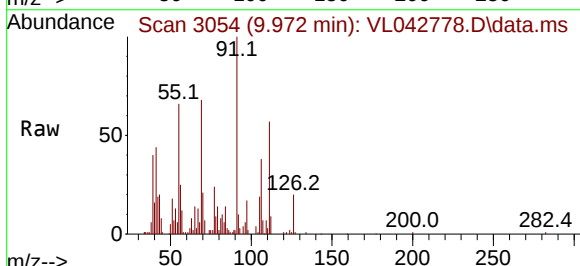
Acq: 29 Jul 2025 12:02

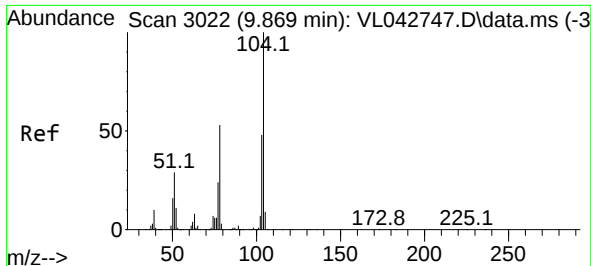
Tgt Ion: 91 Resp: 17420

Ion Ratio Lower Upper

91 100

106 38.2 22.0 66.0

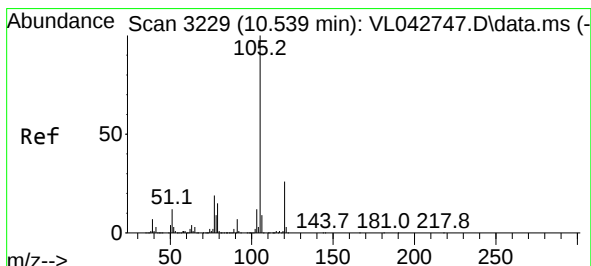
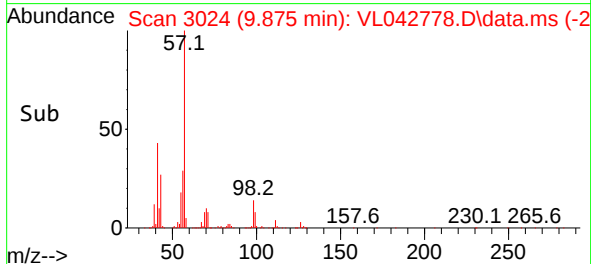
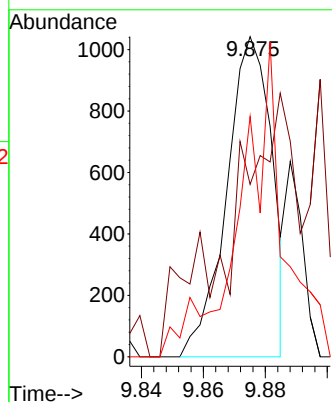
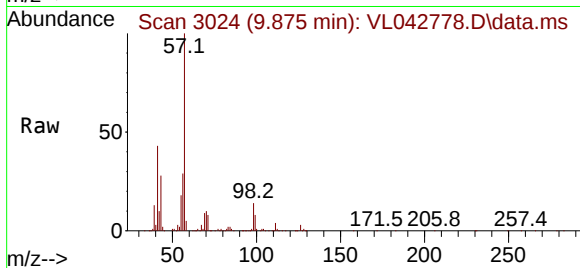




#61
Styrene
Concen: 0.050 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

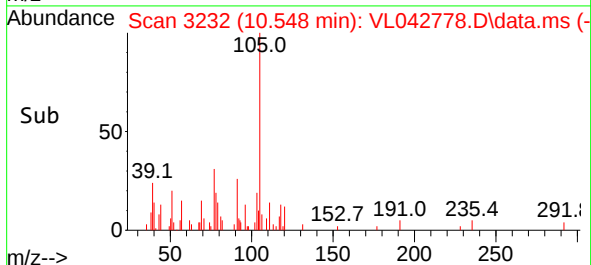
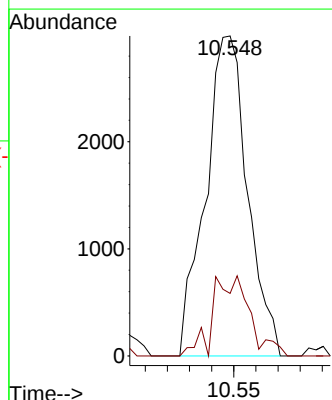
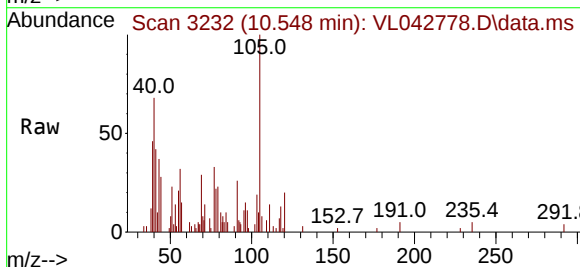
Instrument :
MSVOA_L
ClientSampleId :
SV2

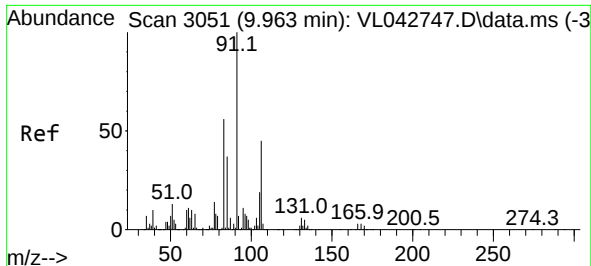
Tgt Ion:104 Resp: 1056
Ion Ratio Lower Upper
104 100
78 0.0 41.5 62.3#
103 99.1 37.5 56.3#



#62
Isopropylbenzene
Concen: 0.054 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion:105 Resp: 3944
Ion Ratio Lower Upper
105 100
120 22.1 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.145 ppbv

RT: 9.956 min Scan# 3051

Delta R.T. -0.007 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

SV2

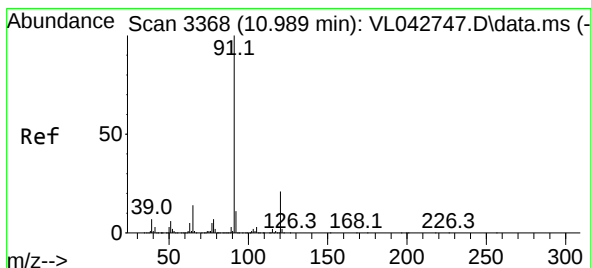
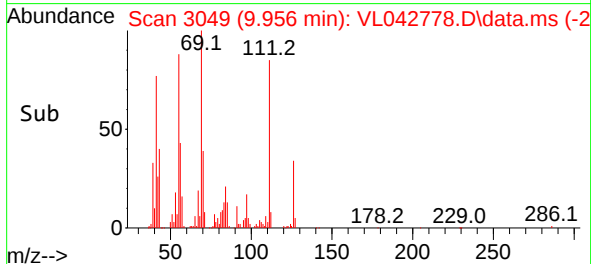
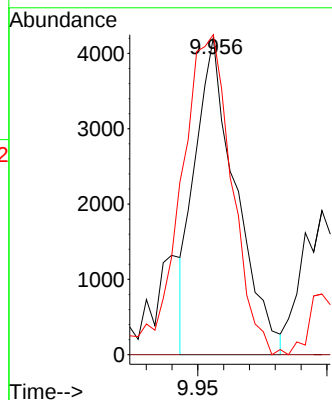
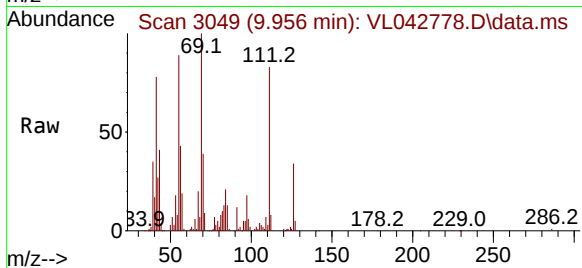
Tgt Ion: 83 Resp: 4617

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 132.1 32.6 97.7#



#64

n-propylbenzene

Concen: 0.024 ppbv

RT: 11.345 min Scan# 3478

Delta R.T. 0.356 min

Lab File: VL042778.D

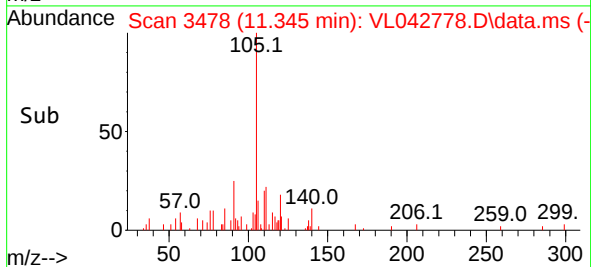
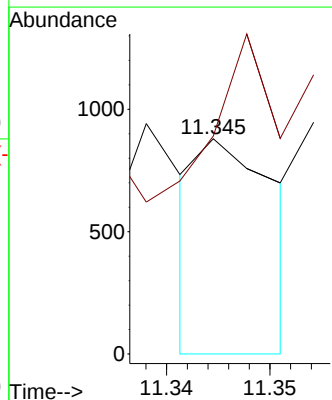
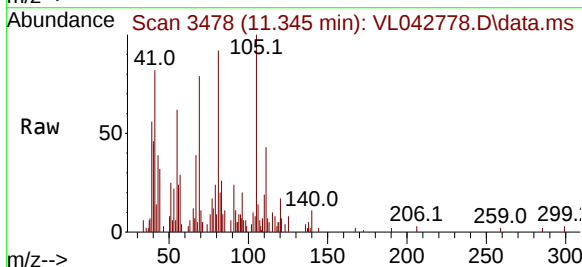
Acq: 29 Jul 2025 12:02

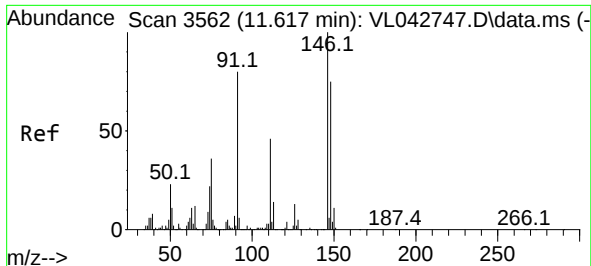
Tgt Ion: 120 Resp: 453

Ion Ratio Lower Upper

120 100

91 403.1 372.7 559.1

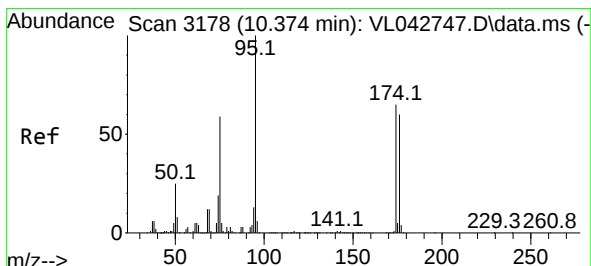
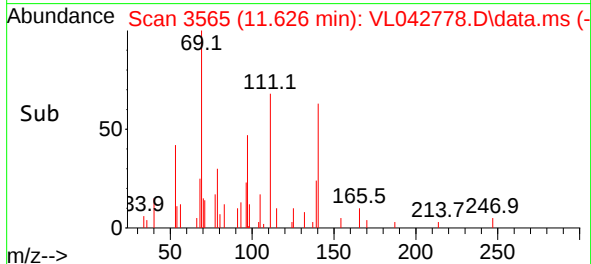
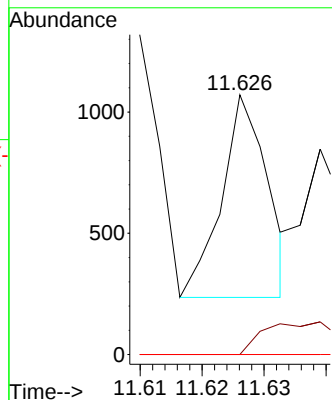
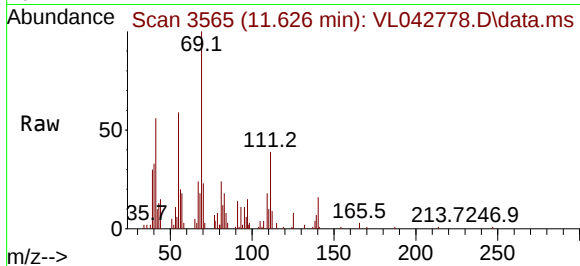




#66
Benzyl Chloride
Concen: 0.081 ppbv
RT: 11.626 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

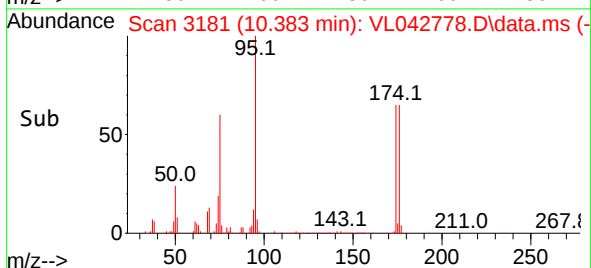
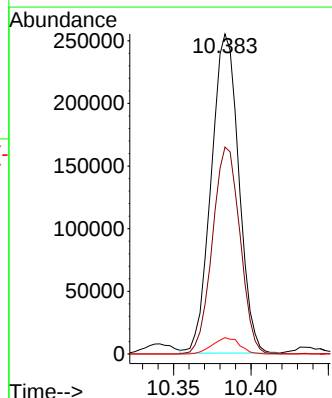
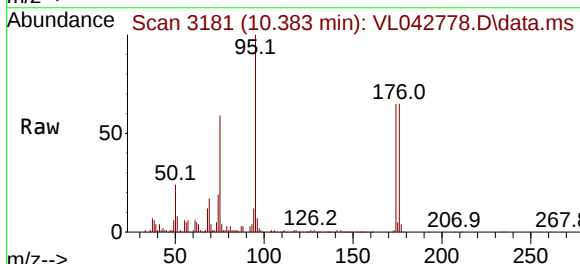
Instrument :
MSVOA_L
ClientSampleId :
SV2

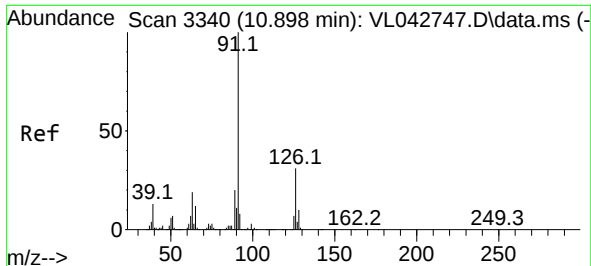
Tgt Ion: 91 Resp: 431
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 0.0 5.2 7.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.085 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.010 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 95 Resp: 314955
Ion Ratio Lower Upper
95 100
174 64.9 53.8 80.6
175 5.0 4.0 6.0

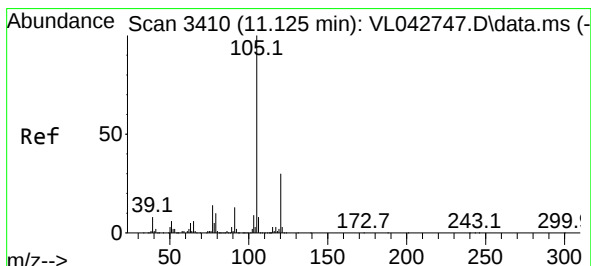
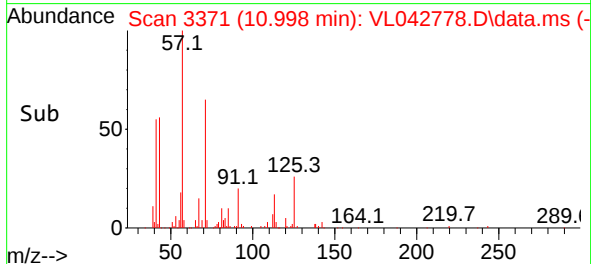
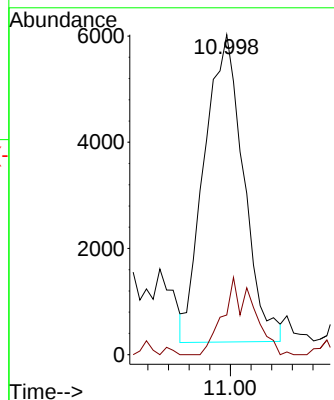
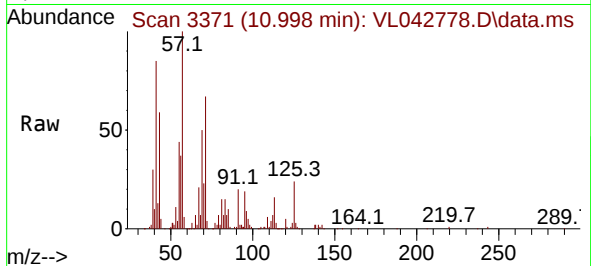




#71
2-Chlorotoluene
Concen: 0.135 ppbv
RT: 10.998 min Scan# 311
Delta R.T. 0.100 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

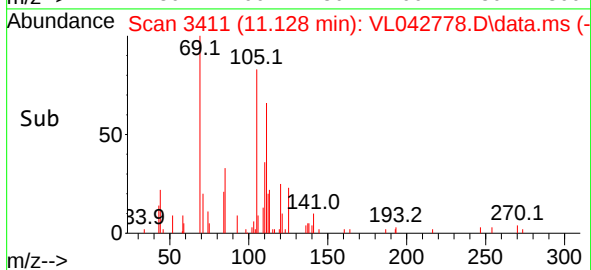
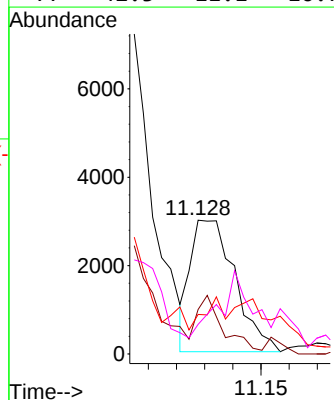
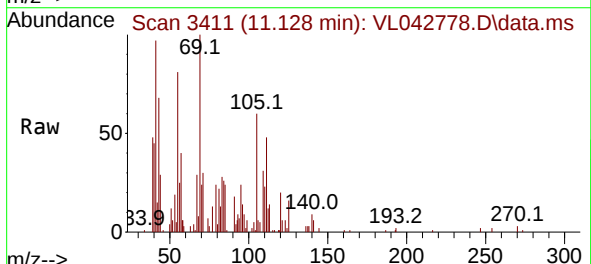
Instrument :
MSVOA_L
ClientSampleId :
SV2

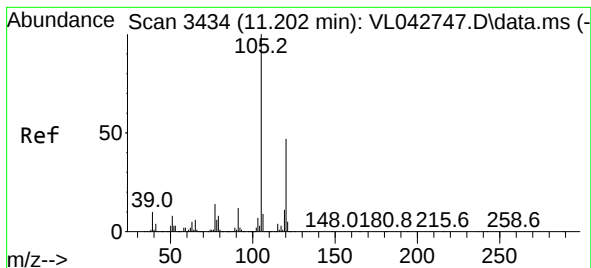
Tgt Ion: 91 Resp: 7614
Ion Ratio Lower Upper
91 100
126 22.3 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.055 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion: 105 Resp: 3285
Ion Ratio Lower Upper
105 100
120 0.0 24.4 36.6#
91 0.0 10.6 15.8#
77 42.3 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.116 ppbv

RT: 11.212 min Scan# 3434

Delta R.T. 0.010 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

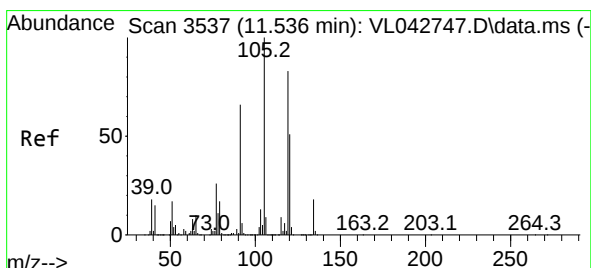
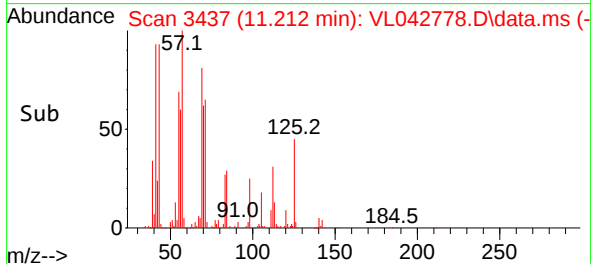
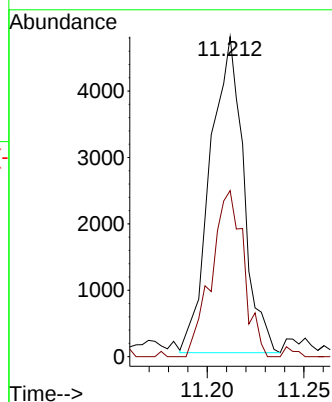
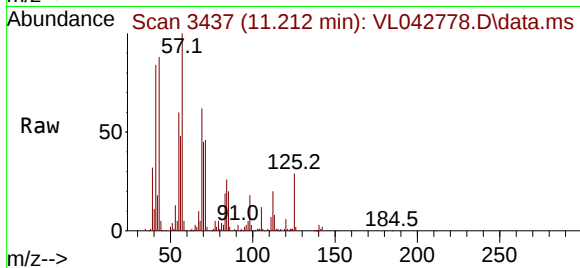
SV2

Tgt Ion:105 Resp: 5689

Ion Ratio Lower Upper

105 100

120 52.6 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.127 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042778.D

Acq: 29 Jul 2025 12:02

Tgt Ion:105 Resp: 6761

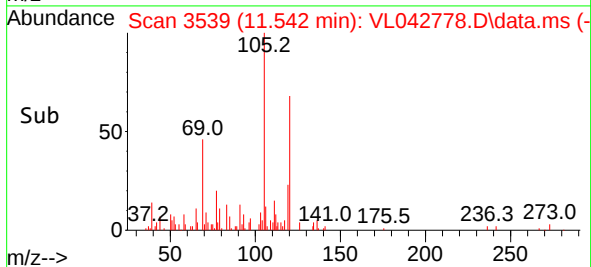
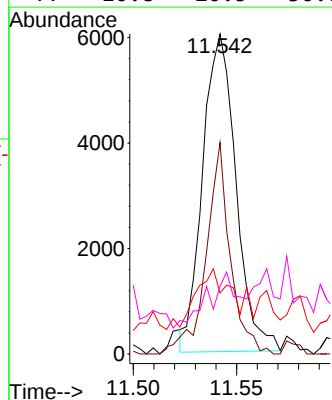
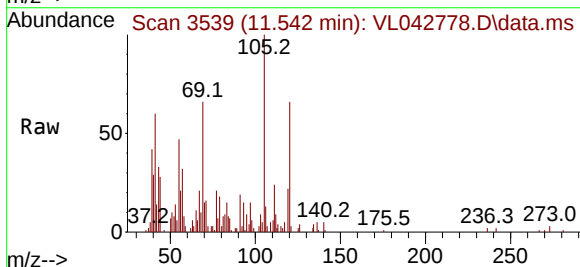
Ion Ratio Lower Upper

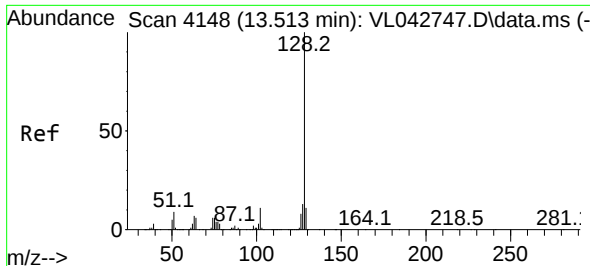
105 100

120 69.6 40.8 61.2#

91 10.7 53.0 79.4#

77 10.8 20.5 30.7#

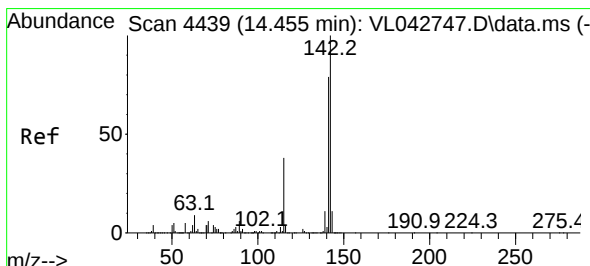
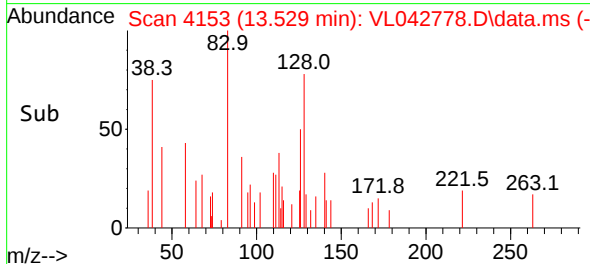
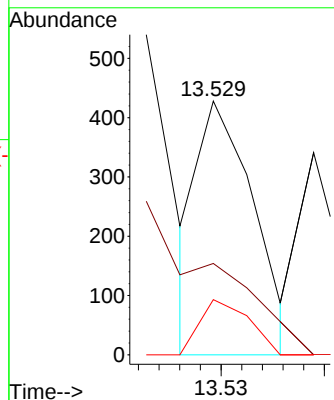
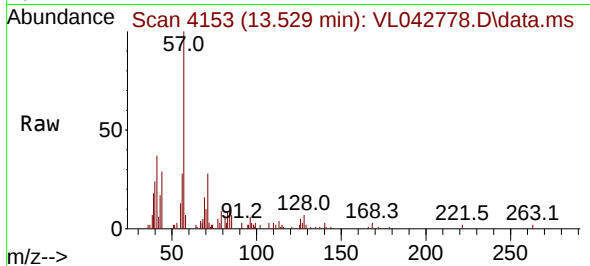




#79
Naphthalene
Concen: 0.438 ppbv
RT: 13.529 min Scan# 4148
Delta R.T. 0.016 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

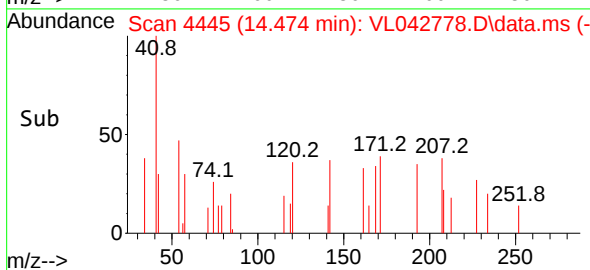
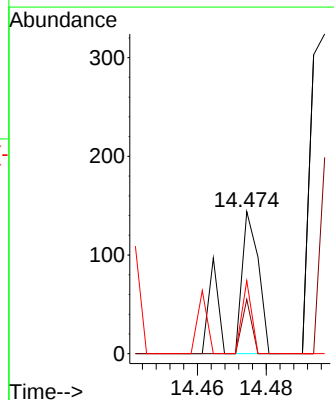
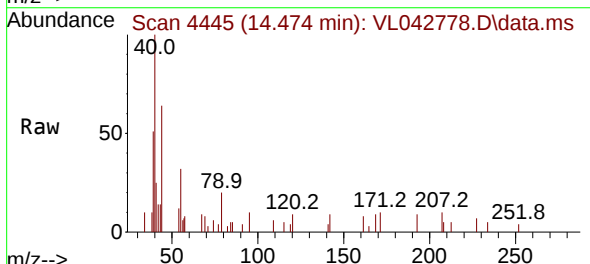
Instrument :
MSVOA_L
ClientSampleId :
SV2

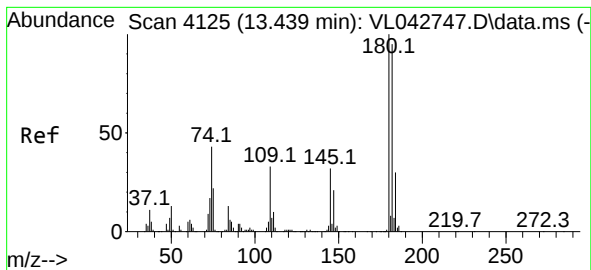
Tgt Ion:128 Resp: 159
Ion Ratio Lower Upper
128 100
127 28.7 10.5 15.7#
129 27.3 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.130 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042778.D
Acq: 29 Jul 2025 12:02

Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
141 16.7 65.8 98.8#
115 21.2 31.2 46.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.437 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042778.D
 Acq: 29 Jul 2025 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Tgt Ion:180 Resp: 65
 Ion Ratio Lower Upper
 180 100
 182 296.9 76.2 114.2#
 184 56.9 24.8 37.2#

