

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042785.D
 Acq On : 29 Jul 2025 16:10
 Operator : SY/MD
 Sample : Q2712-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Jul 30 01:14:31 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	2.790	49	149534	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	413656	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	365762	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	287317	9.919	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.499	85	9710	0.491	ppbv	96
3) Chlorodifluoromethane	1.466	51	46879	1.820	ppbv #	73
4) Chloromethane	1.534	50	4905	0.613	ppbv #	82
6) Bromomethane	1.661	94	153	0.050	ppbv #	1
7) Chloroethane	1.496	64	168	0.055	ppbv #	59
8) Dichlorotetrafluoroethane	1.557	85	469	0.029	ppbv #	82
9) Propene	1.560	41	46224	4.938	ppbv	91
10) Heptane	4.991	43	2370	0.094	ppbv #	67
11) Trichlorofluoromethane	1.881	101	4847	0.238	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	1180	0.076	ppbv	94
13) Ethanol	1.722	45	299258	437.926	ppbv	89
15) Acetone	1.839	43	162360	7.863	ppbv	99
16) 1,3-Butadiene	1.602	39	2654	0.301	ppbv #	55
17) tert-Butyl alcohol	2.049	59	1401	0.075	ppbv #	36
19) Isopropyl Alcohol	1.890	45	51757	4.717	ppbv #	36
20) Methylene Chloride	2.065	84	4554	0.700	ppbv #	90
21) Allyl Chloride	2.056	41	313	0.025	ppbv #	1
23) Vinyl Acetate	2.457	43	9817	0.392	ppbv #	88
25) Ethyl Acetate	2.845	43	48188	1.054	ppbv #	87
26) Hexane	2.832	57	8604	0.429	ppbv #	1
29) Chloroform	2.852	83	15792	0.510	ppbv	98
30) Cyclohexane	3.862	84	686	0.040	ppbv #	1
34) 2-Butanone	2.564	43	16650	0.568	ppbv	97
35) Carbon Tetrachloride	3.771	117	817	0.027	ppbv #	75
36) Benzene	3.664	78	16885	0.431	ppbv	96
39) 1,2-Dichloropropane	3.965	63	103409	7.146	ppbv #	23
44) 2,2,4-Trimethylpentane	4.648	57	8430	0.132	ppbv #	33
53) Toluene	6.946	91	31140	0.740	ppbv	99
58) Ethyl Benzene	9.357	91	3164	0.055	ppbv	99
59) m/p-Xylene	9.561	91	2637	0.057	ppbv #	30
60) o-Xylene	9.972	91	5849	0.127	ppbv	92
61) Styrene	9.882	104	690	0.036	ppbv #	28
64) n-propylbenzene	10.995	120	771	0.043	ppbv	81
65) tert-Butylbenzene	11.539	119	1796	0.030	ppbv #	1
66) Benzyl Chloride	11.562	91	160	0.032	ppbv #	52
69) p-Isopropyltoluene	11.931	119	2407	0.034	ppbv #	89
72) 4-Ethyltoluene	11.134	105	2732	0.050	ppbv #	81
73) 1,3,5-Trimethylbenzene	11.212	105	3427	0.076	ppbv #	56
74) 1,2,4-Trimethylbenzene	11.542	105	14560	0.294	ppbv #	60
76) 1,4-Dichlorobenzene	11.675	146	2641	0.078	ppbv #	73
79) Naphthalene	13.520	128	3153	0.491	ppbv	96
80) Naphthalene,2-methyl-	14.487	142	363	1.140	ppbv #	47
81) 1,2,4-Trichlorobenzene	13.452	180	58	0.437	ppbv #	25

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042785.D
Acq On : 29 Jul 2025 16:10
Operator : SY/MD
Sample : Q2712-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jul 30 01:14:31 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

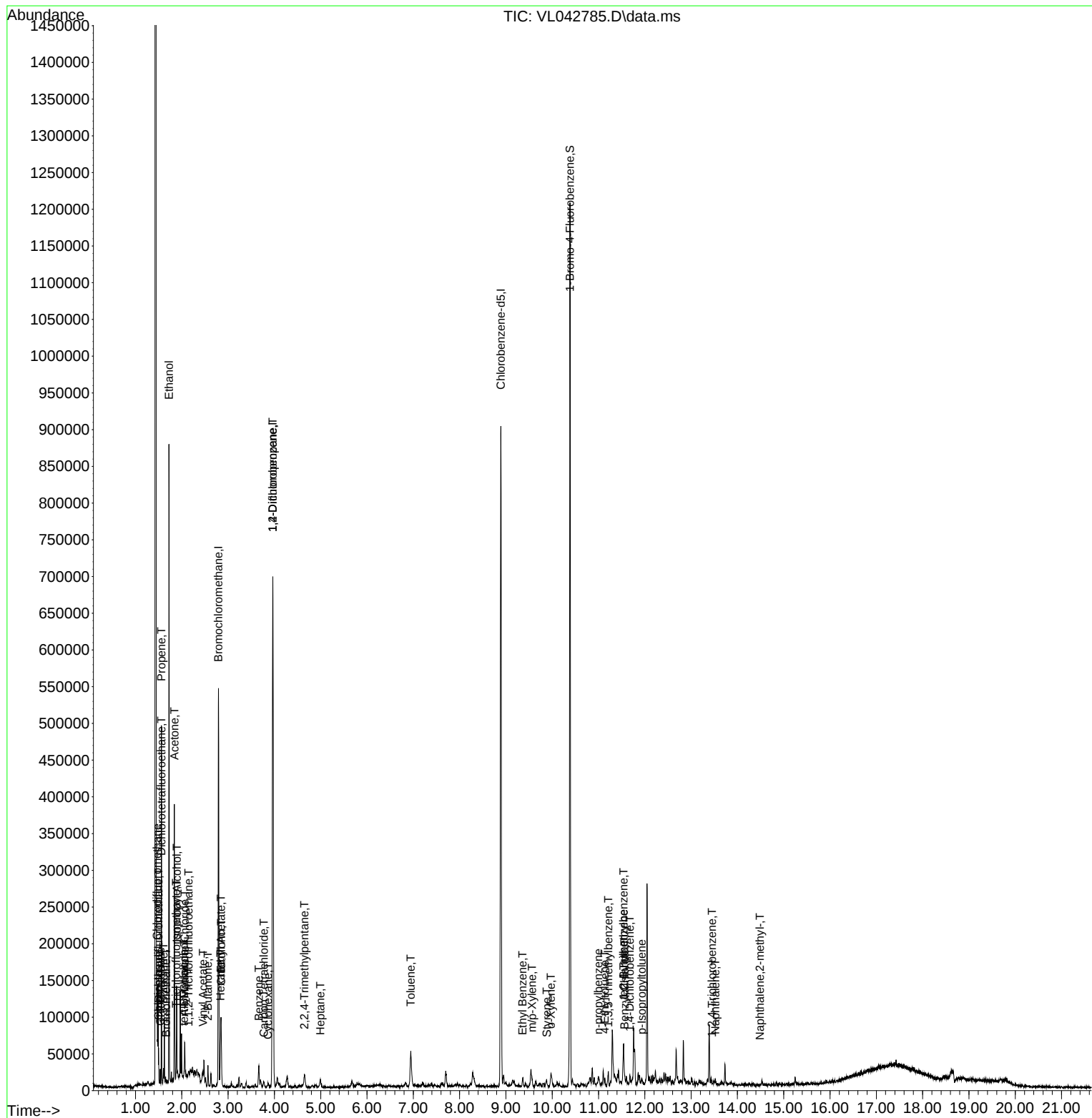
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

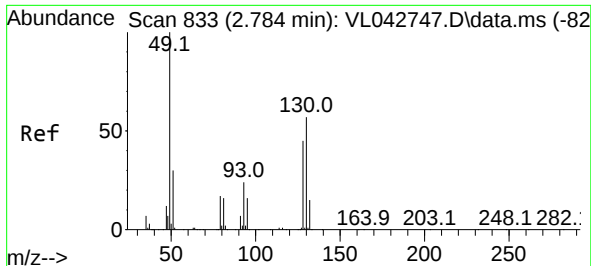
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042785.D
Acq On : 29 Jul 2025 16:10
Operator : SY/MD
Sample : Q2712-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jul 30 01:14:31 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

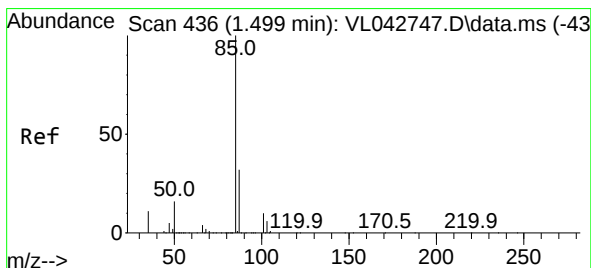
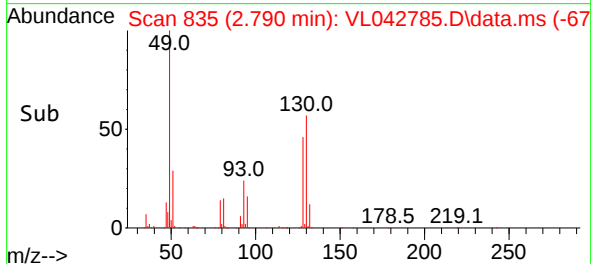
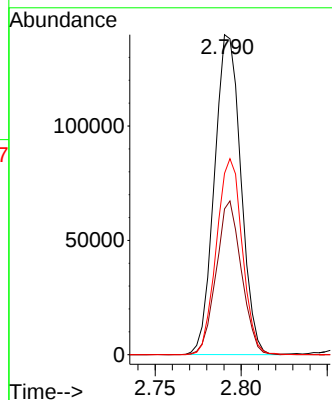
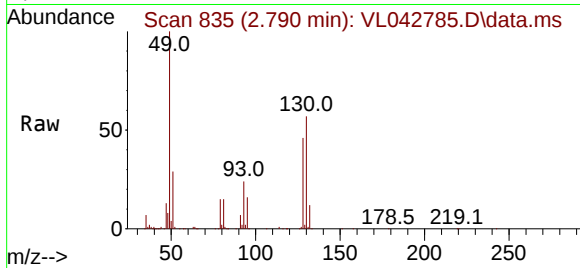




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 833
 Delta R.T. 0.006 min
 Lab File: VL042785.D
 Acq: 29 Jul 2025 16:10

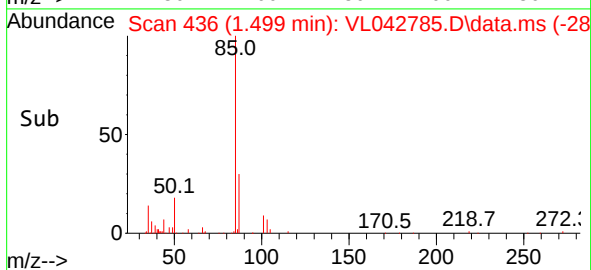
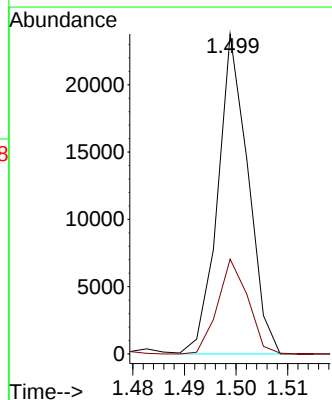
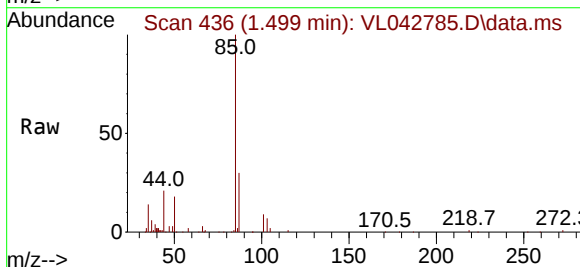
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

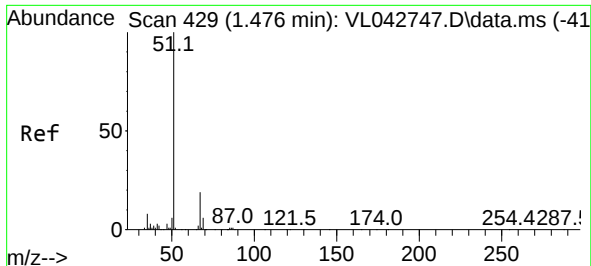
Tgt Ion: 49 Resp: 149534
 Ion Ratio Lower Upper
 49 100
 128 46.0 23.6 71.0
 130 59.8 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.491 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042785.D
 Acq: 29 Jul 2025 16:10

Tgt Ion: 85 Resp: 9710
 Ion Ratio Lower Upper
 85 100
 87 29.7 25.4 38.2

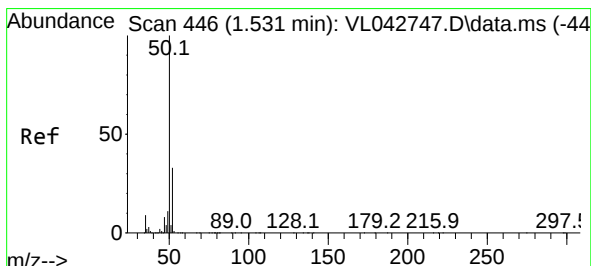
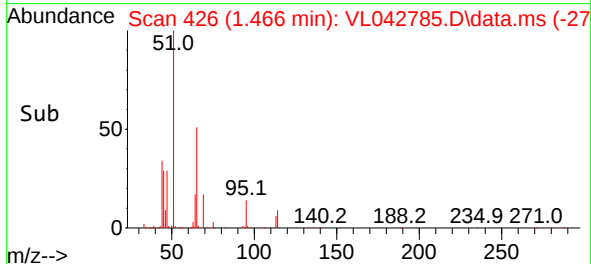
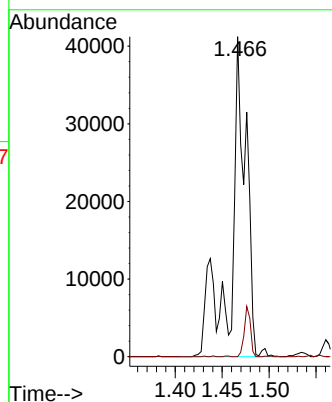
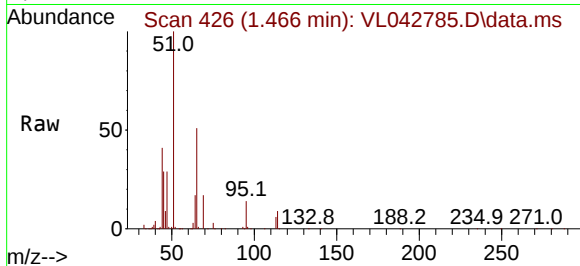




#3
Chlorodifluoromethane
Concen: 1.820 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

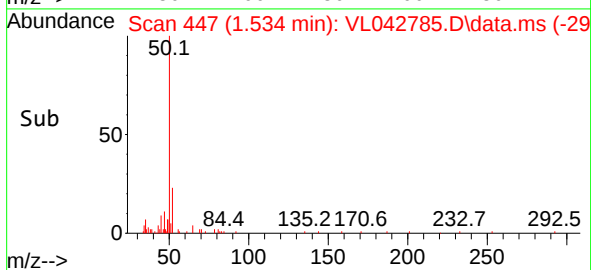
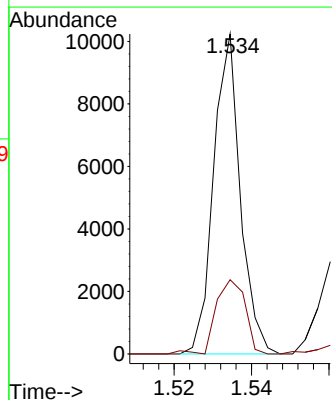
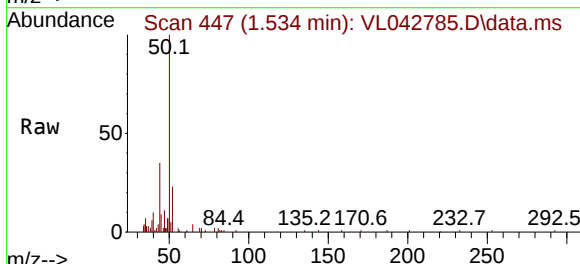
Instrument :
MSVOA_L
ClientSampleId :
OA1

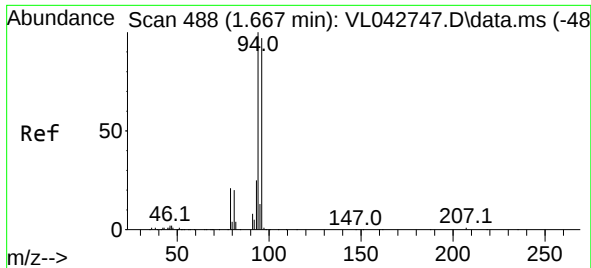
Tgt Ion: 51 Resp: 46879
Ion Ratio Lower Upper
51 100
67 6.5 15.0 22.6#



#4
Chloromethane
Concen: 0.613 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 50 Resp: 4905
Ion Ratio Lower Upper
50 100
52 23.2 26.6 40.0#

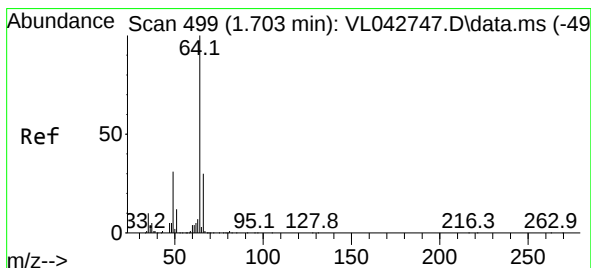
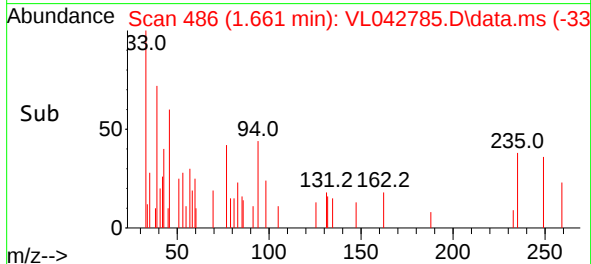
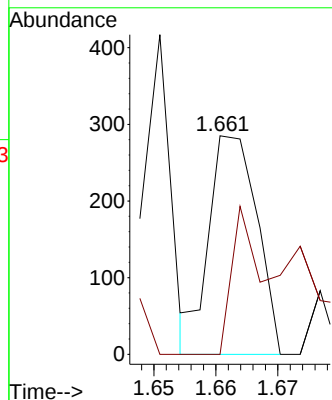
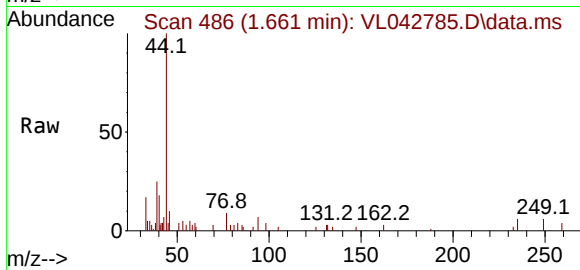




#6
Bromomethane
Concen: 0.050 ppbv
RT: 1.661 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

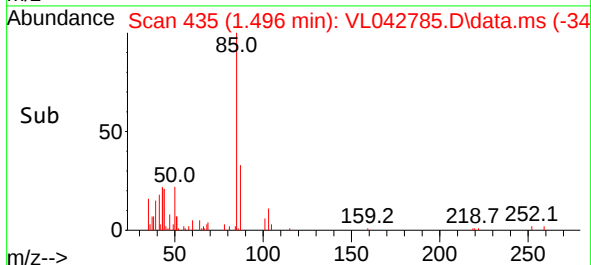
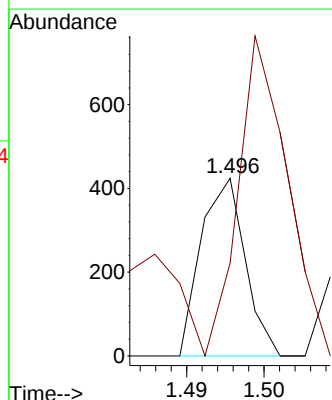
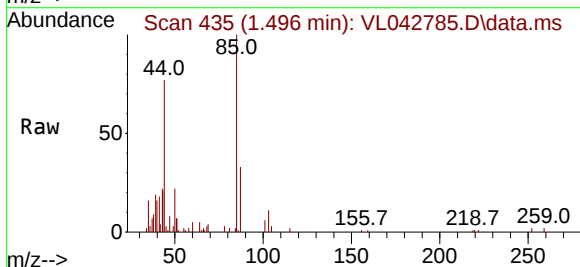
Instrument :
MSVOA_L
ClientSampleId :
OA1

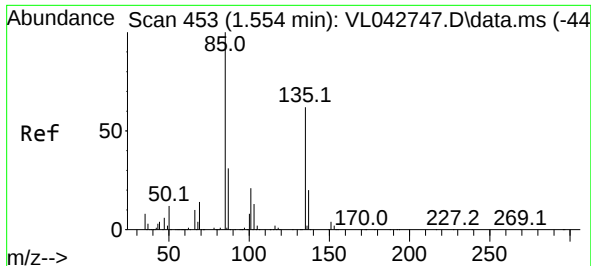
Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#



#7
Chloroethane
Concen: 0.055 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.207 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 52.4 24.1 36.1#

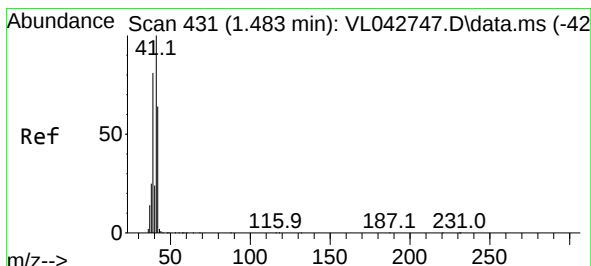
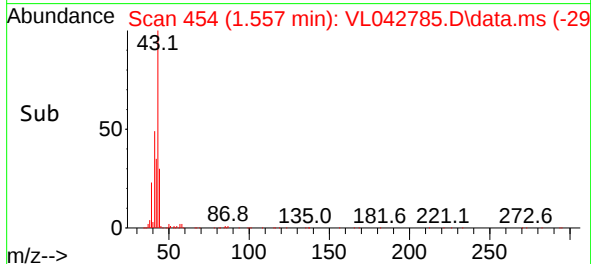
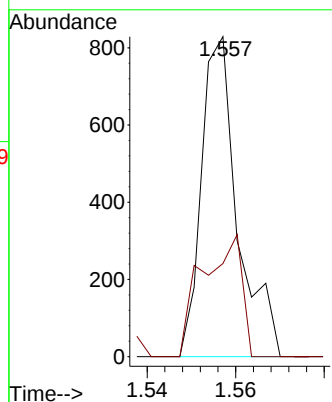
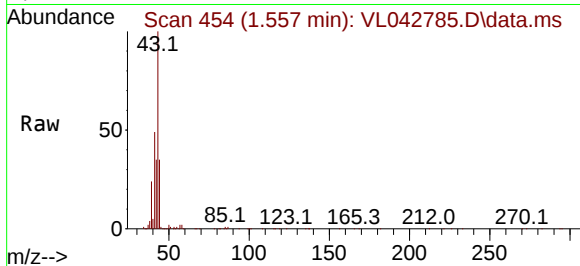




#8
 Dichlorotetrafluoroethane
 Concen: 0.029 ppbv
 RT: 1.557 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042785.D
 Acq: 29 Jul 2025 16:10

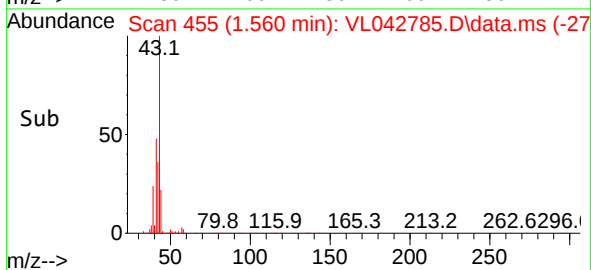
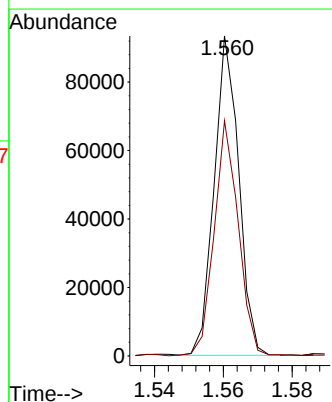
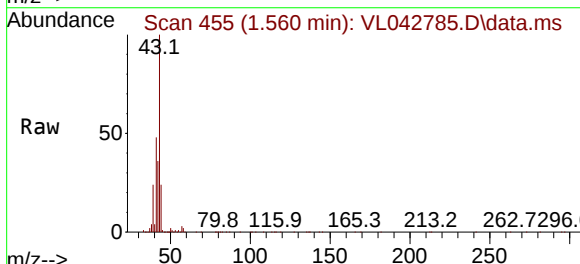
Instrument :
 MSVOA_1
 ClientSampleId :
 OA1

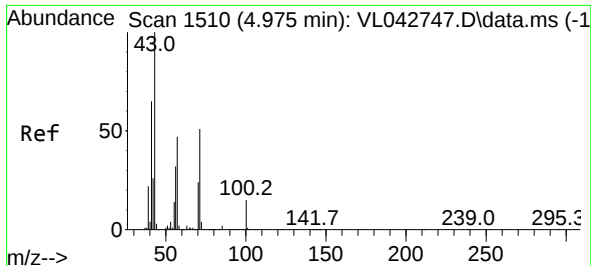
Tgt Ion: 85 Resp: 469
 Ion Ratio Lower Upper
 85 100
 135 49.3 50.6 76.0#



#9
 Propene
 Concen: 4.938 ppbv
 RT: 1.560 min Scan# 455
 Delta R.T. 0.078 min
 Lab File: VL042785.D
 Acq: 29 Jul 2025 16:10

Tgt Ion: 41 Resp: 46224
 Ion Ratio Lower Upper
 41 100
 42 73.4 53.2 79.8

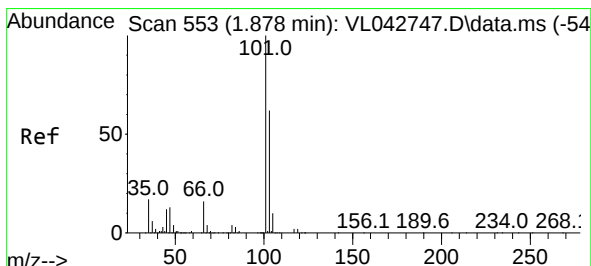
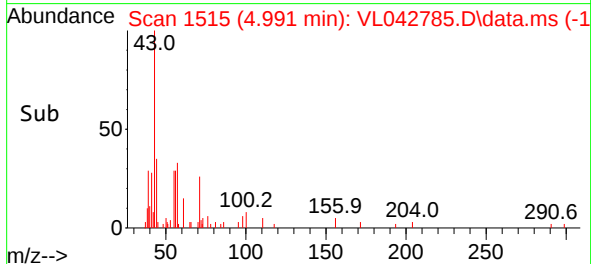
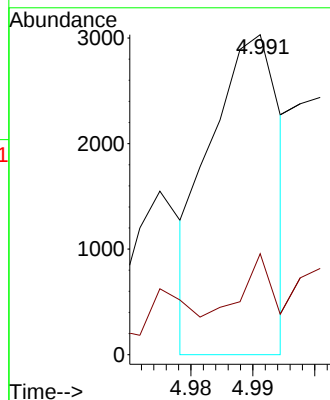
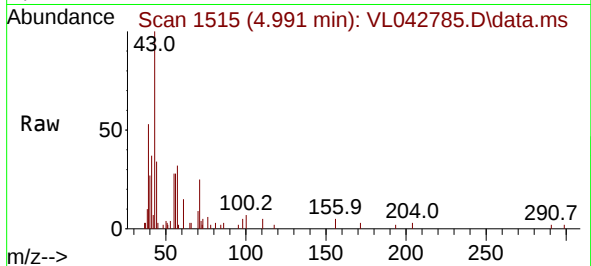




#10
Heptane
Concen: 0.094 ppbv
RT: 4.991 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

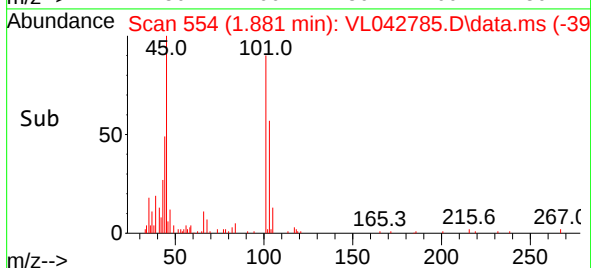
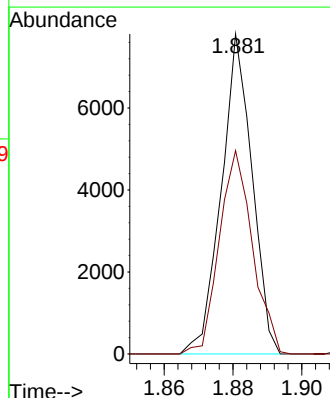
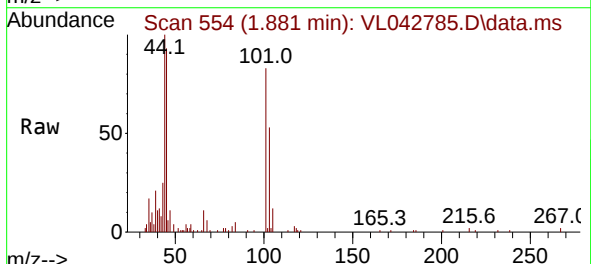
Instrument :
MSVOA_L
ClientSampleId :
OA1

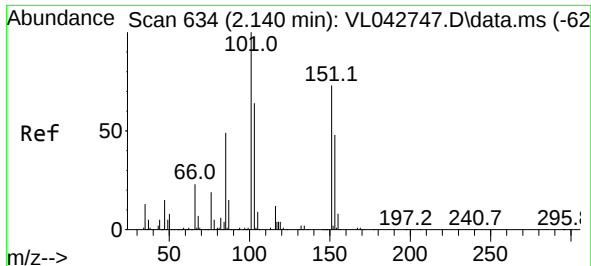
Tgt Ion: 43 Resp: 2370
Ion Ratio Lower Upper
43 100
57 72.8 39.9 59.9#



#11
Trichlorofluoromethane
Concen: 0.238 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.003 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion:101 Resp: 4847
Ion Ratio Lower Upper
101 100
103 63.6 49.6 74.4

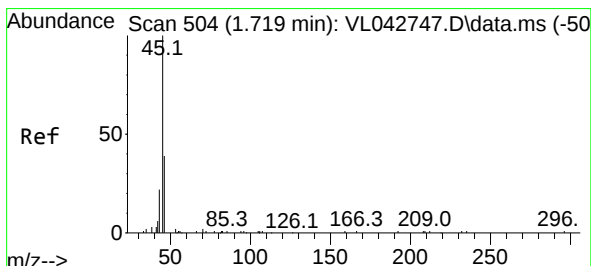
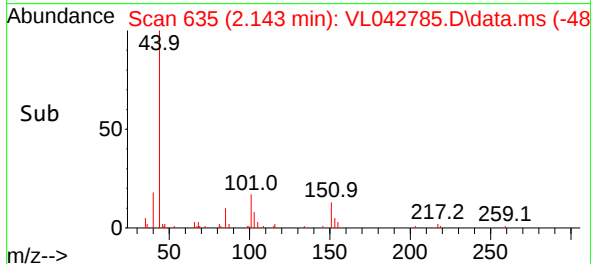
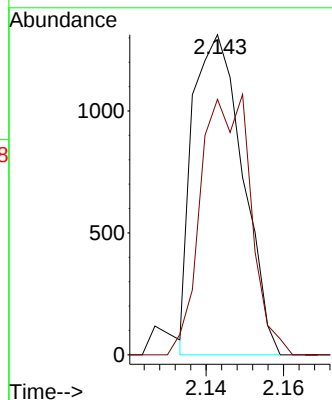
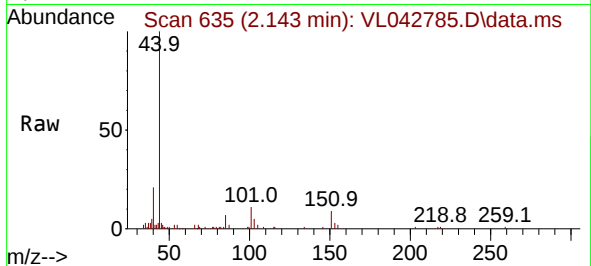




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.076 ppbv
RT: 2.143 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

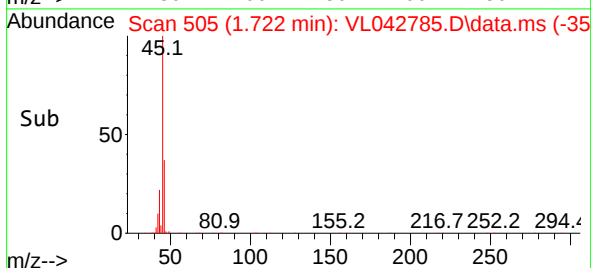
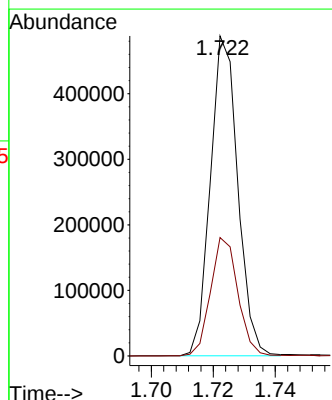
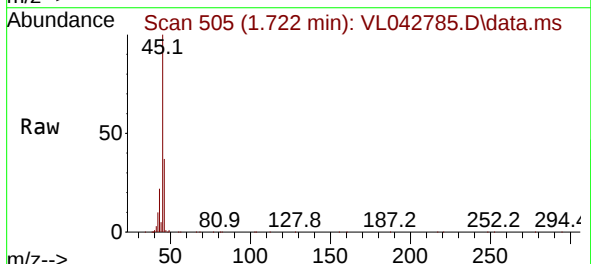
Instrument :
MSVOA_L
ClientSampleId :
OA1

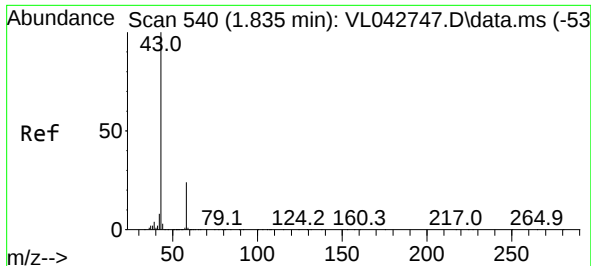
Tgt Ion:101 Resp: 1180
Ion Ratio Lower Upper
101 100
151 80.4 60.5 90.7



#13
Ethanol
Concen: 437.926 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 45 Resp: 299258
Ion Ratio Lower Upper
45 100
46 37.4 17.8 71.4

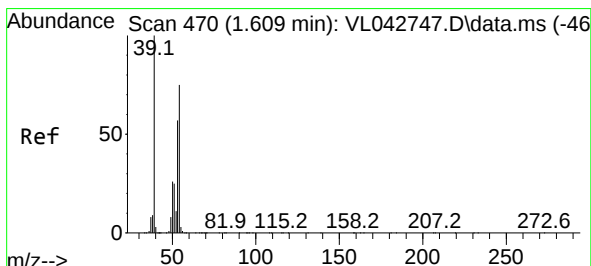
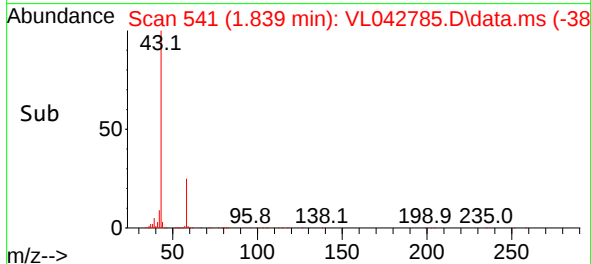
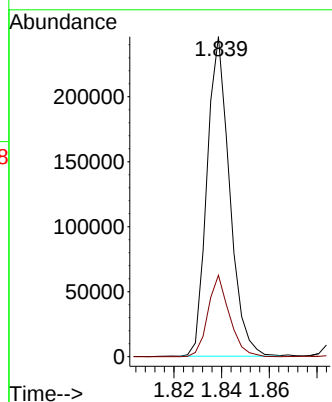
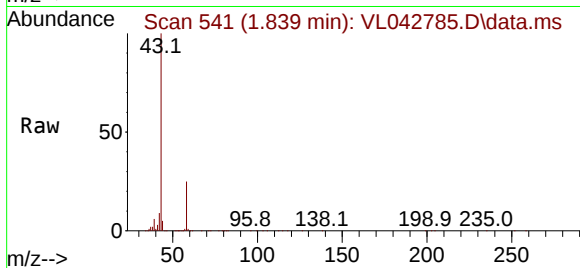




#15
Acetone
Concen: 7.863 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

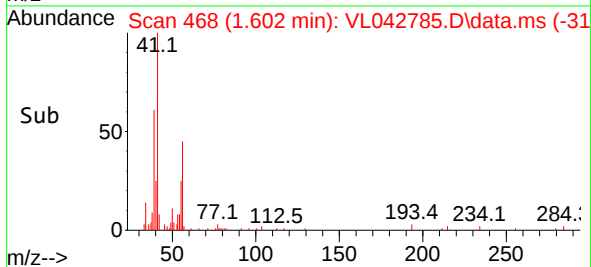
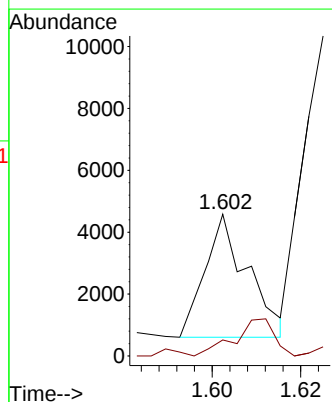
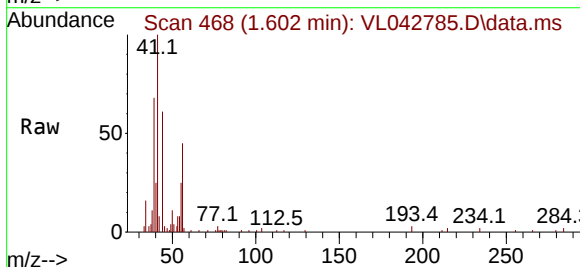
Instrument :
MSVOA_L
ClientSampleId :
OA1

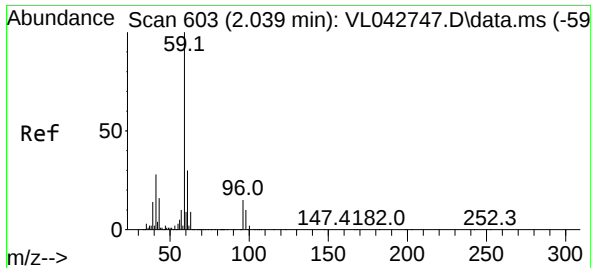
Tgt Ion: 43 Resp: 162360
Ion Ratio Lower Upper
43 100
58 24.2 19.8 29.8



#16
1,3-Butadiene
Concen: 0.301 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.006 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 39 Resp: 2654
Ion Ratio Lower Upper
39 100
54 31.9 54.5 81.7#





#17

tert-Butyl alcohol

Concen: 0.075 ppbv

RT: 2.049 min Scan# 603

Delta R.T. 0.010 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

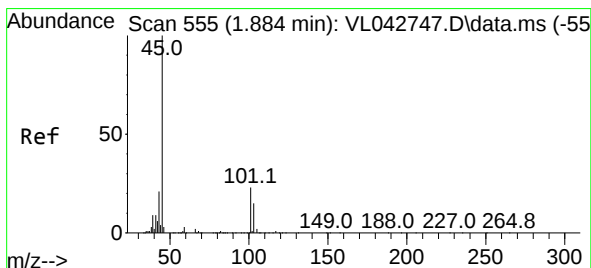
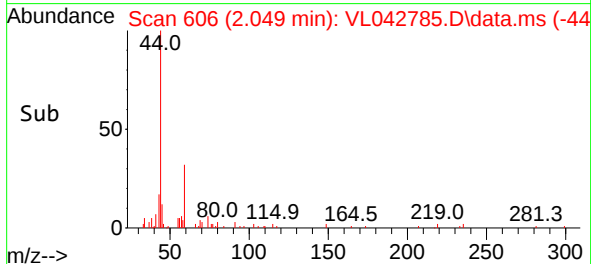
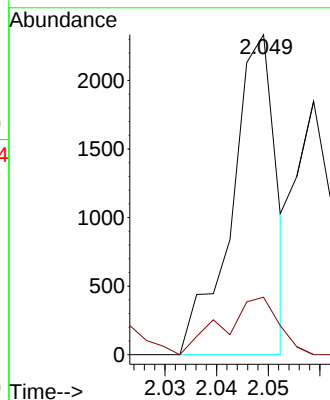
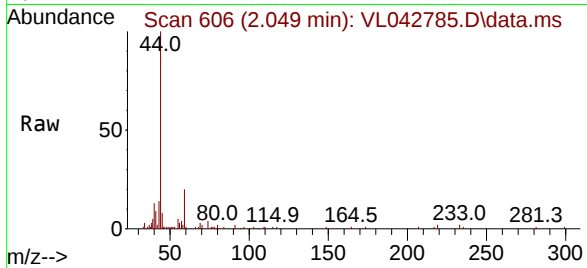
OA1

Tgt Ion: 59 Resp: 1401

Ion Ratio Lower Upper

59 100

57 34.5 8.3 12.5#



#19

Isopropyl Alcohol

Concen: 4.717 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.006 min

Lab File: VL042785.D

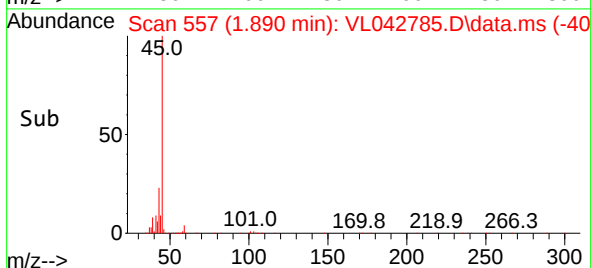
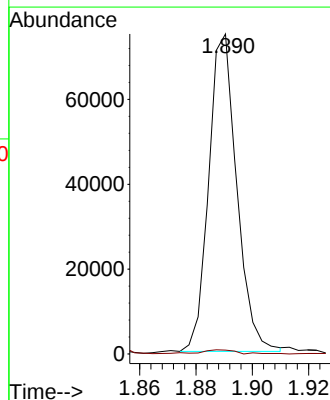
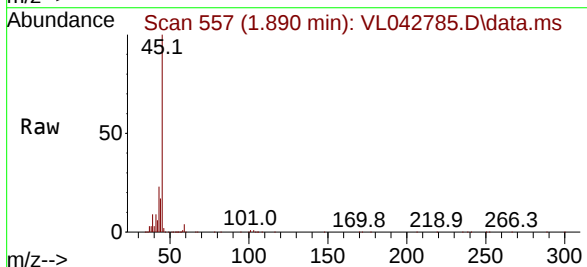
Acq: 29 Jul 2025 16:10

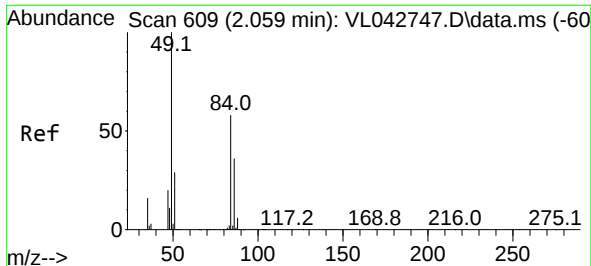
Tgt Ion: 45 Resp: 51757

Ion Ratio Lower Upper

45 100

58 75.8 30.0 45.0#

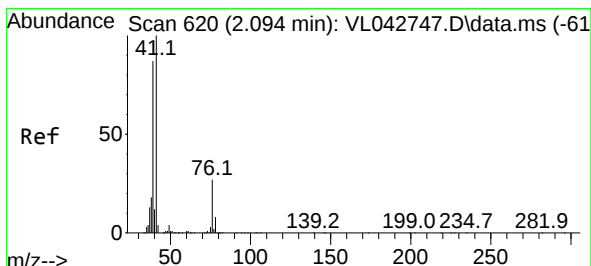
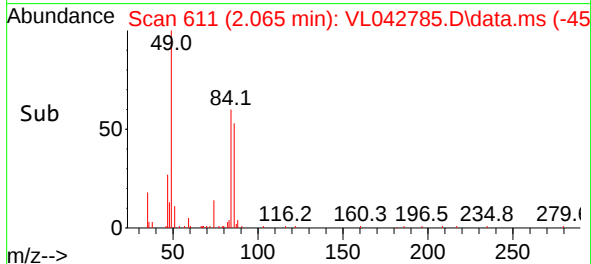
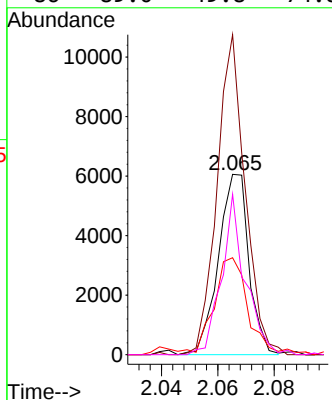
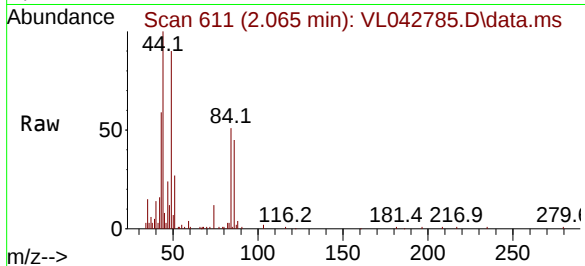




#20
Methylene Chloride
Concen: 0.700 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

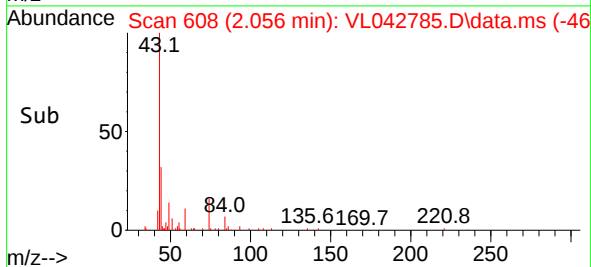
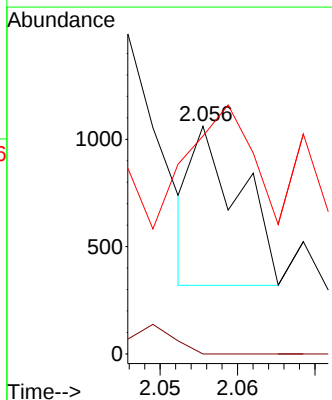
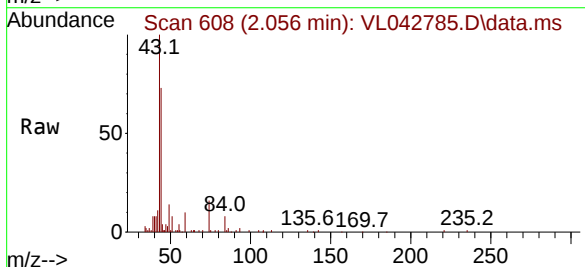
Instrument :
MSVOA_L
ClientSampleId :
OA1

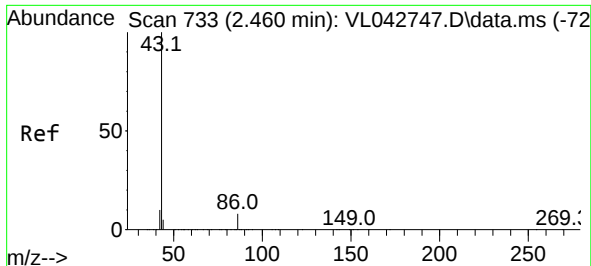
Tgt Ion: 84 Resp: 4554
Ion Ratio Lower Upper
84 100
49 177.5 138.6 208.0
51 51.9 40.6 61.0
86 89.0 49.8 74.8#



#21
Allyl Chloride
Concen: 0.025 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.039 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 41 Resp: 313
Ion Ratio Lower Upper
41 100
76 0.0 21.1 31.7#
39 384.3 68.3 102.5#

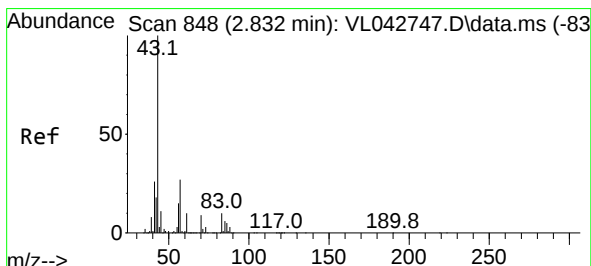
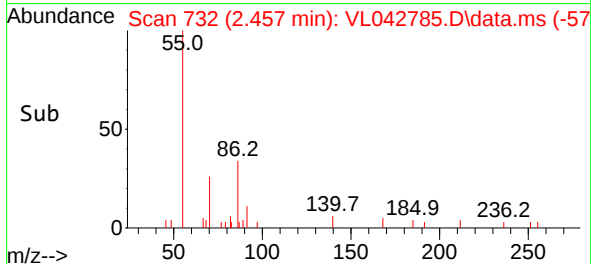
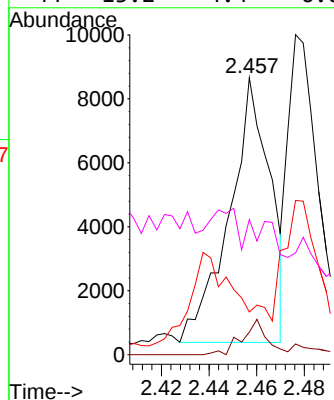
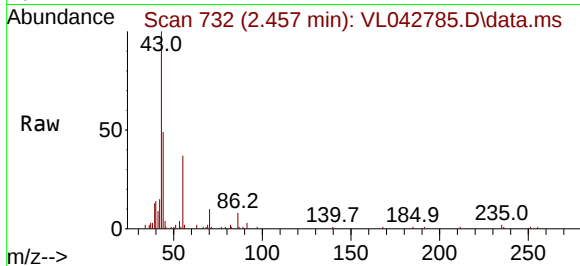




#23
Vinyl Acetate
Concen: 0.392 ppbv
RT: 2.457 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

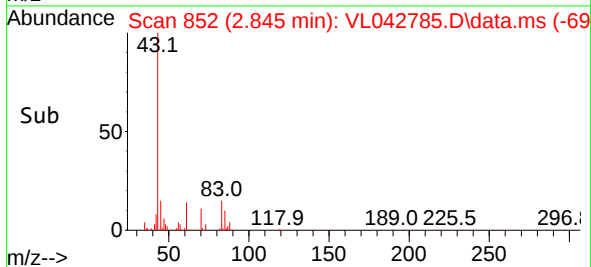
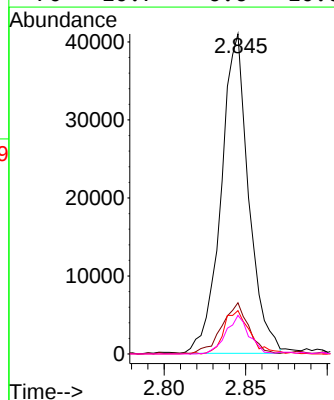
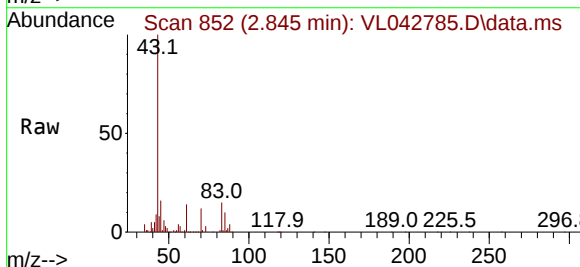
Instrument :
MSVOA_L
ClientSampleId :
OA1

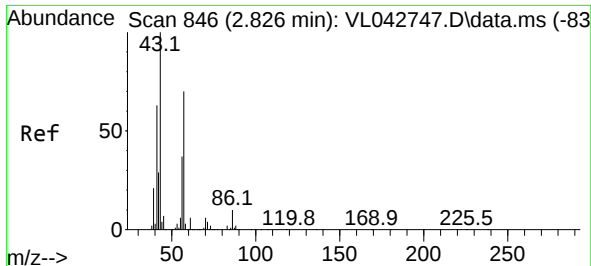
Tgt Ion: 43	Resp: 9817
Ion Ratio	Lower Upper
43	100
86	8.5 6.1 9.1
42	5.1 7.8 11.8#
44	13.2 4.4 6.6#



#25
Ethyl Acetate
Concen: 1.054 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.013 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 43	Resp: 48188
Ion Ratio	Lower Upper
43	100
45	16.6 7.8 11.6#
61	13.0 6.7 10.1#
70	10.7 6.6 10.0#

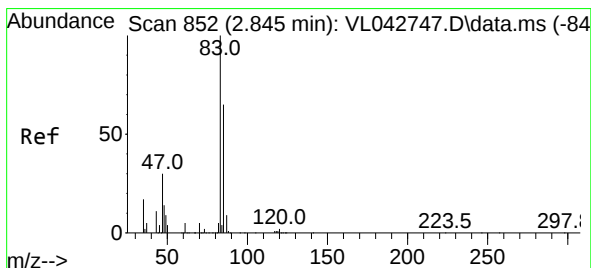
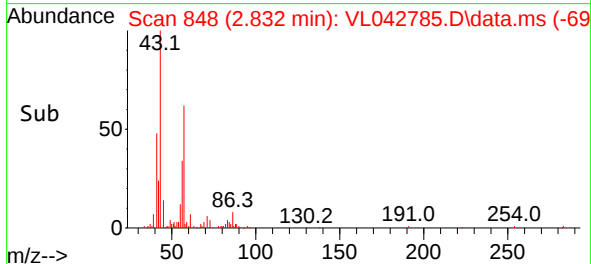
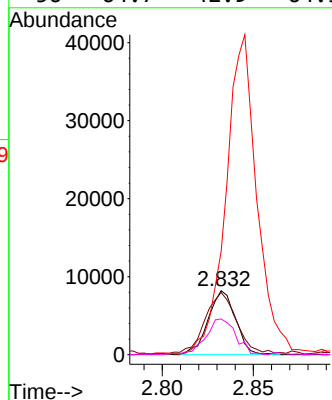
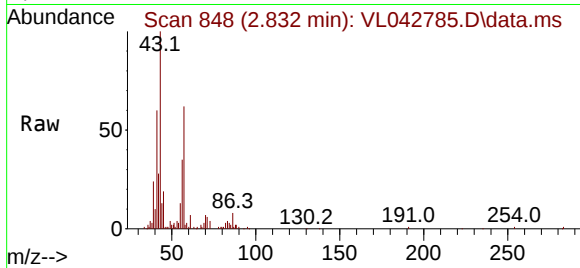




#26
Hexane
Concen: 0.429 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

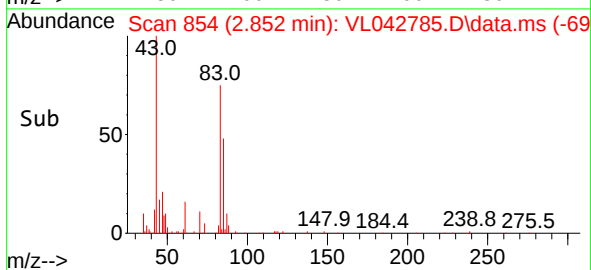
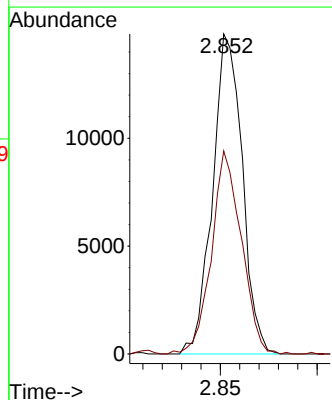
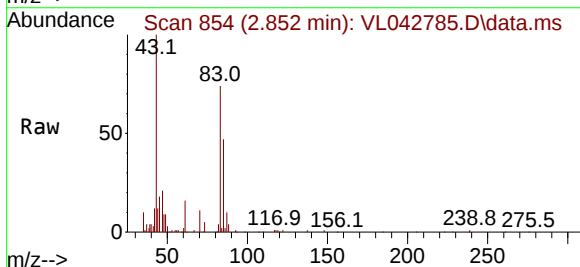
Instrument :
MSVOA_L
ClientSampleId :
OA1

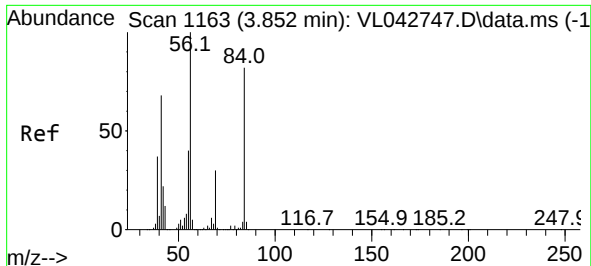
Tgt Ion: 57 Resp: 8604
Ion Ratio Lower Upper
57 100
41 121.9 75.4 113.2#
43 581.3 185.0 277.6#
56 64.7 42.9 64.3#



#29
Chloroform
Concen: 0.510 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 83 Resp: 15792
Ion Ratio Lower Upper
83 100
85 63.5 52.2 78.2

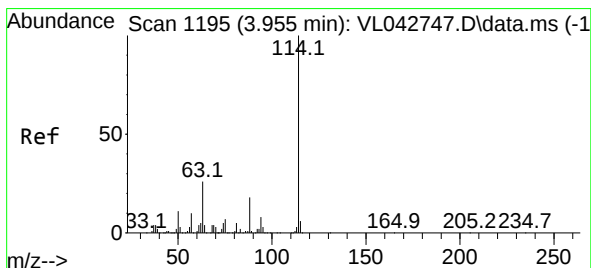
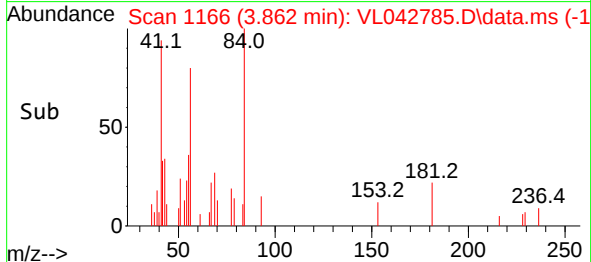
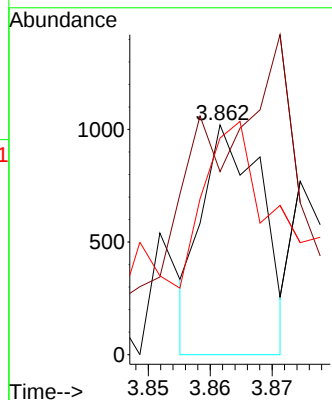
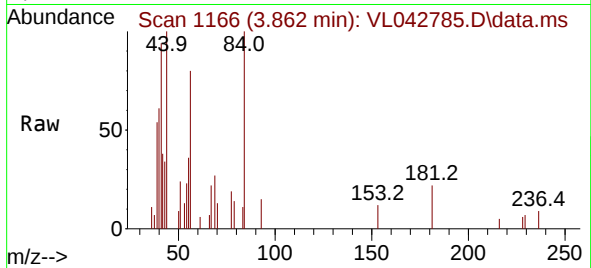




#30
Cyclohexane
Concen: 0.040 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

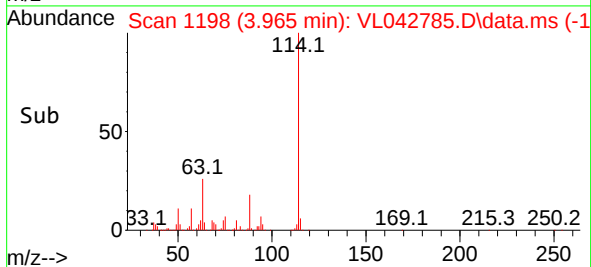
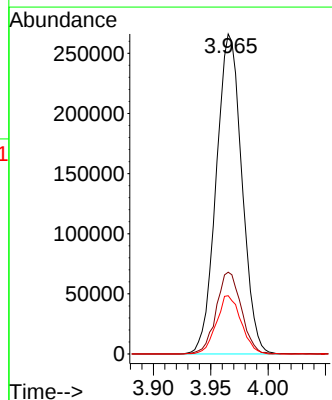
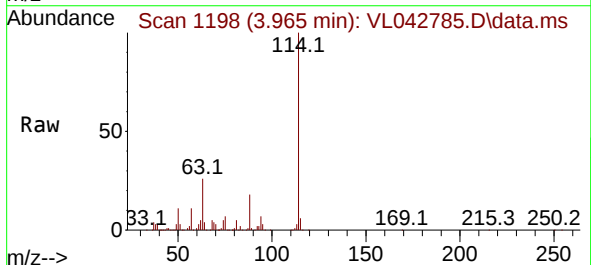
Instrument :
MSVOA_L
ClientSampleId :
OA1

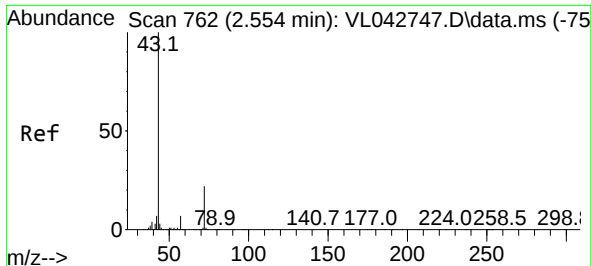
Tgt Ion: 84 Resp: 686
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 250.4 67.2 100.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 114 Resp: 413656
Ion Ratio Lower Upper
114 100
63 25.0 20.5 30.7
88 17.6 14.0 21.0

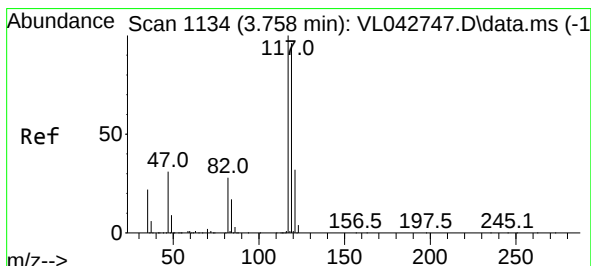
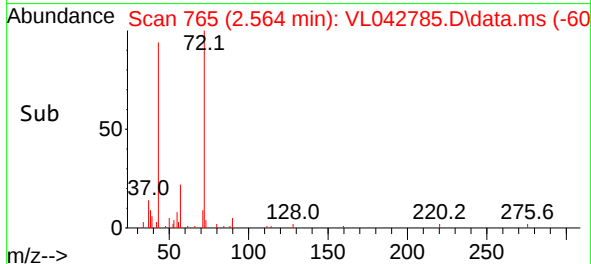
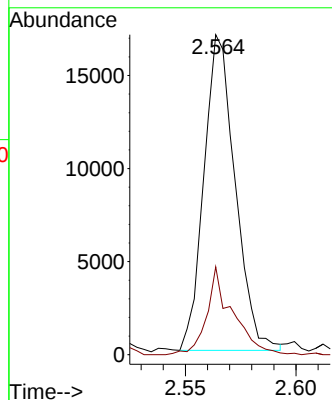
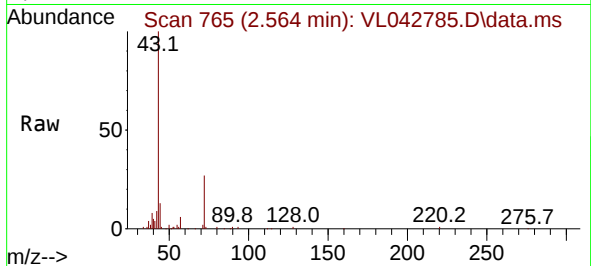




#34
2-Butanone
Concen: 0.568 ppbv
RT: 2.564 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

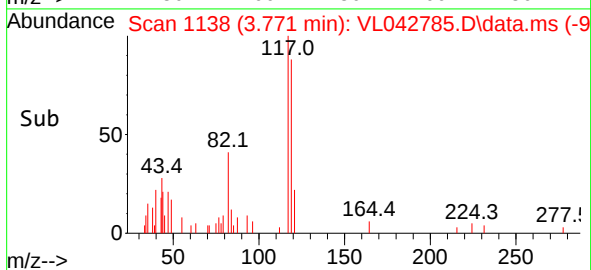
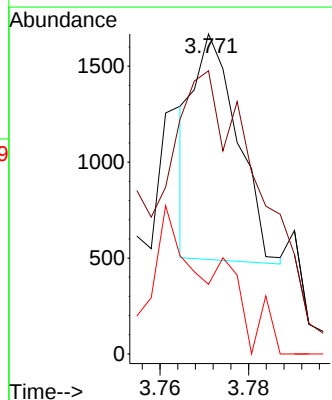
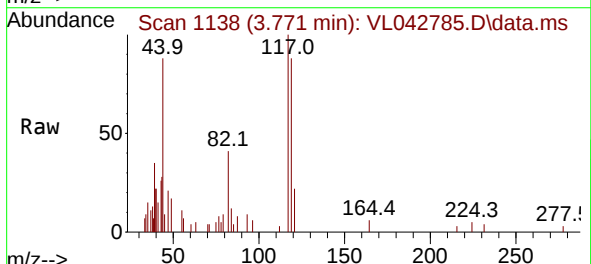
Instrument :
MSVOA_1
ClientSampleId :
OA1

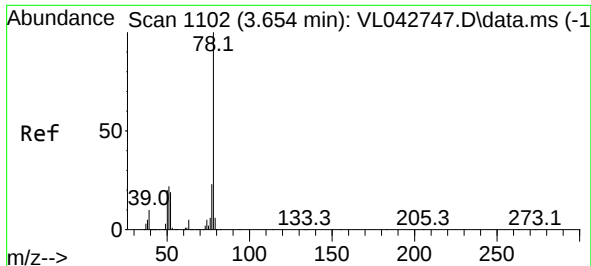
Tgt Ion: 43 Resp: 16650
Ion Ratio Lower Upper
43 100
72 23.1 17.4 26.0



#35
Carbon Tetrachloride
Concen: 0.027 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 117 Resp: 817
Ion Ratio Lower Upper
117 100
119 64.2 77.1 115.7#
121 31.1 25.5 38.3





#36

Benzene

Concen: 0.431 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

OA1

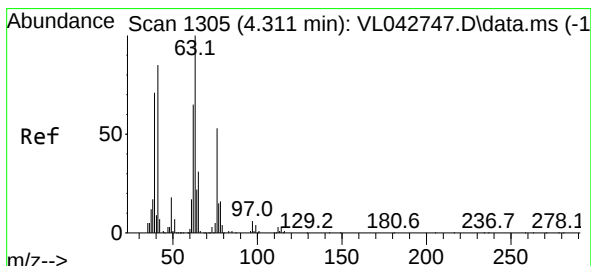
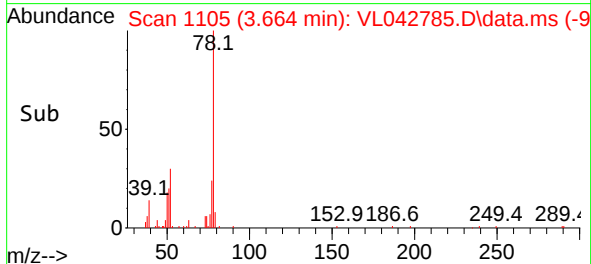
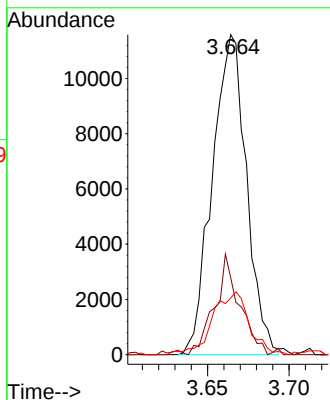
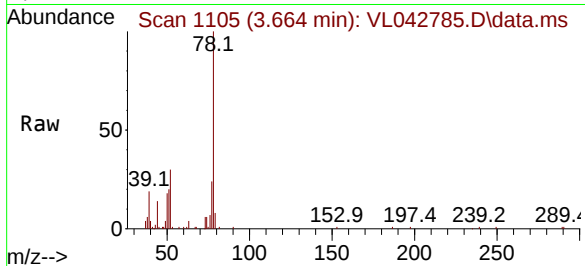
Tgt Ion: 78 Resp: 16885

Ion Ratio Lower Upper

78 100

77 22.7 18.5 27.7

50 16.8 16.2 24.2



#39

1,2-Dichloropropane

Concen: 7.146 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

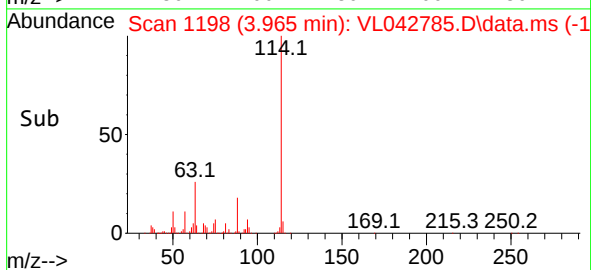
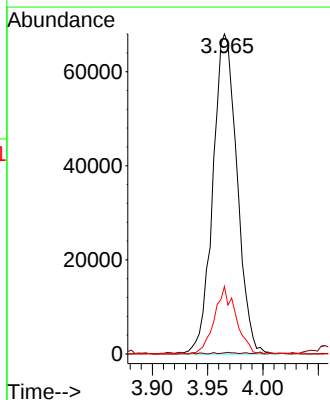
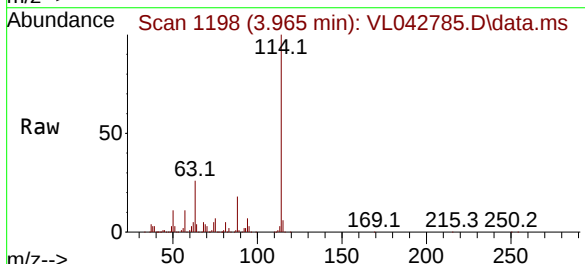
Tgt Ion: 63 Resp: 103409

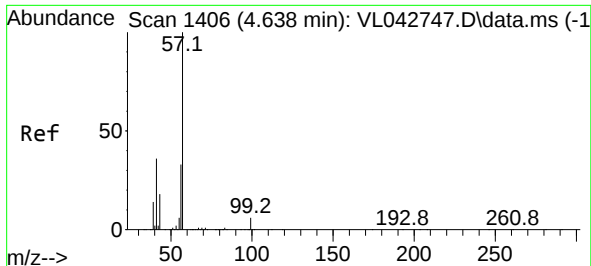
Ion Ratio Lower Upper

63 100

41 0.1 68.2 102.4#

62 21.1 52.0 78.0#

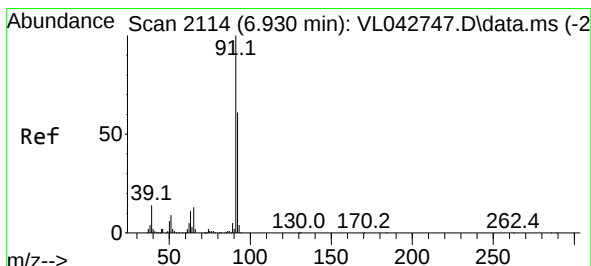
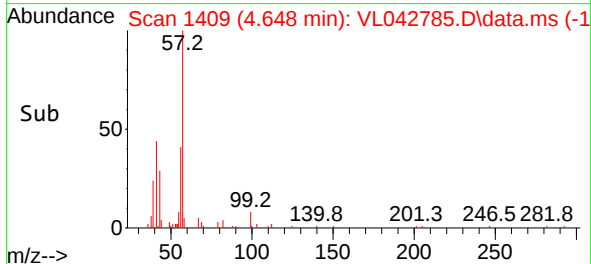
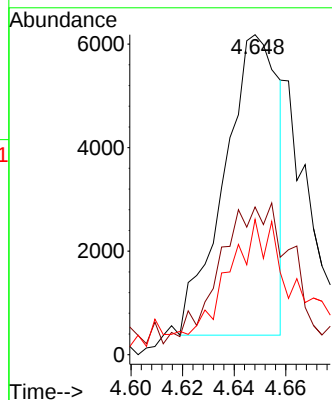
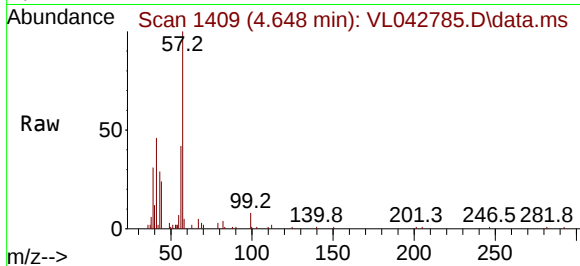




#44
2,2,4-Trimethylpentane
Concen: 0.132 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

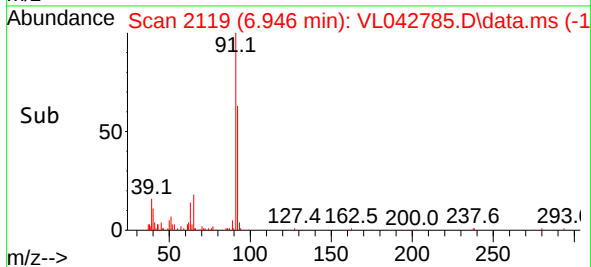
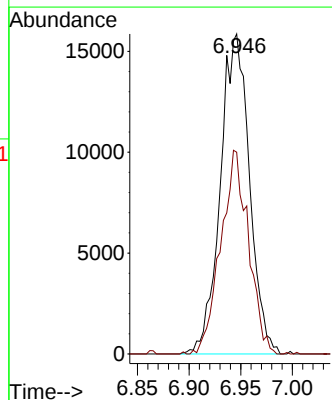
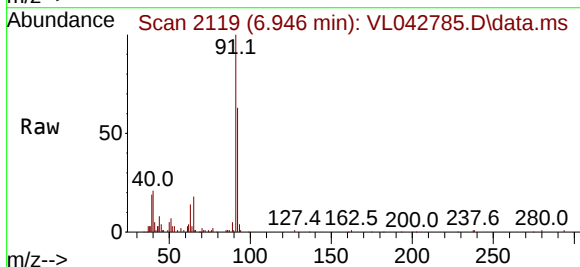
Instrument :
MSVOA_L
ClientSampleId :
OA1

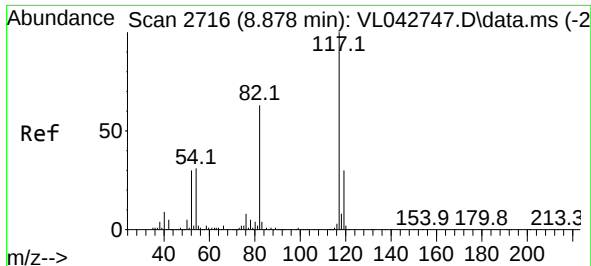
Tgt Ion: 57 Resp: 8430
Ion Ratio Lower Upper
57 100
41 79.8 28.3 42.5#
56 64.0 25.8 38.6#



#53
Toluene
Concen: 0.740 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.016 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 91 Resp: 31140
Ion Ratio Lower Upper
91 100
92 60.7 48.0 72.0

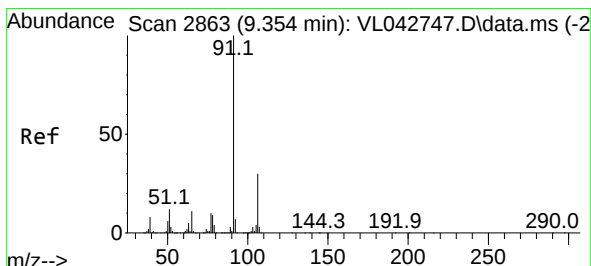
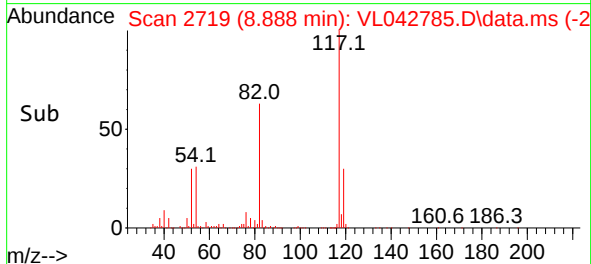
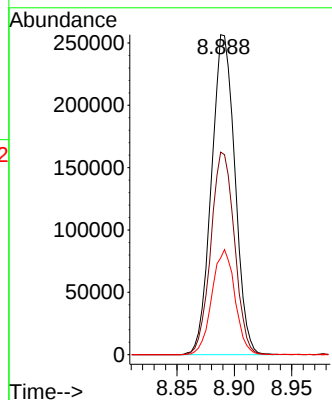
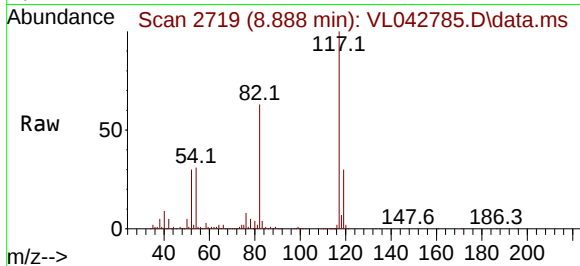




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

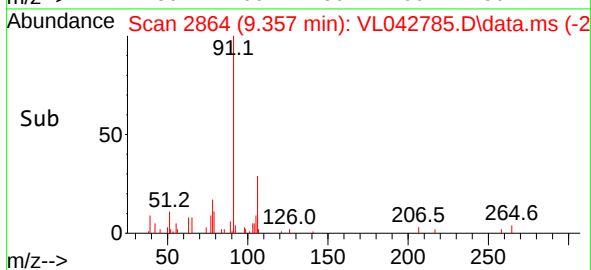
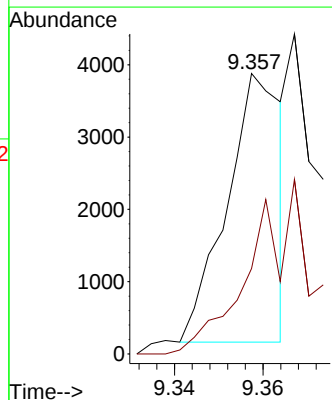
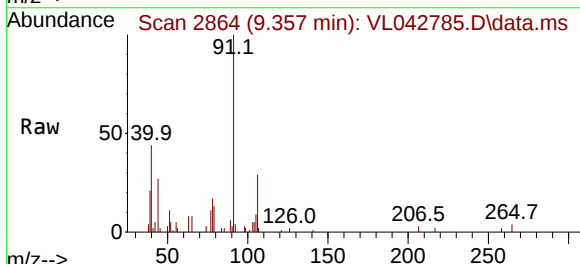
Instrument :
MSVOA_L
ClientSampleId :
OA1

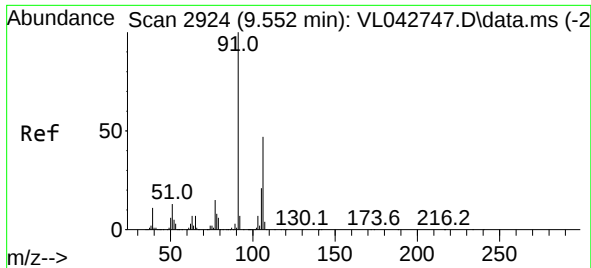
Tgt Ion: 117 Resp: 365762
Ion Ratio Lower Upper
117 100
82 63.7 53.3 79.9
119 32.2 25.8 38.6



#58
Ethyl Benzene
Concen: 0.055 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 91 Resp: 3164
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6





#59

m/p-Xylene

Concen: 0.057 ppbv

RT: 9.561 min Scan# 2924

Delta R.T. 0.010 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

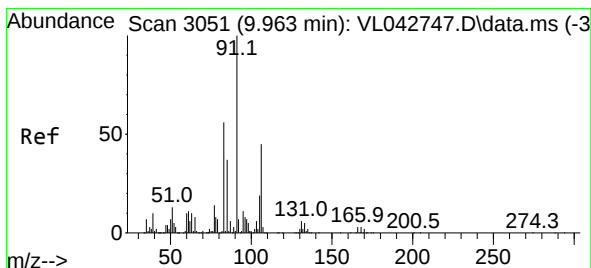
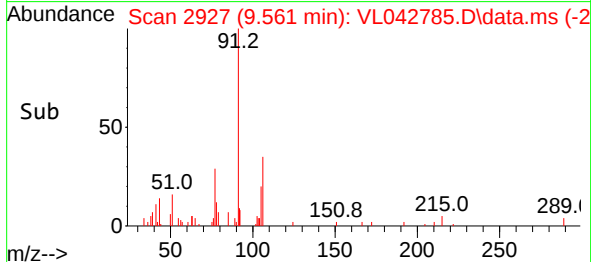
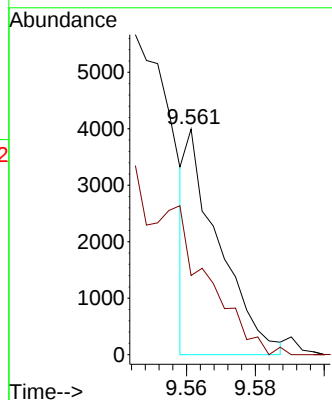
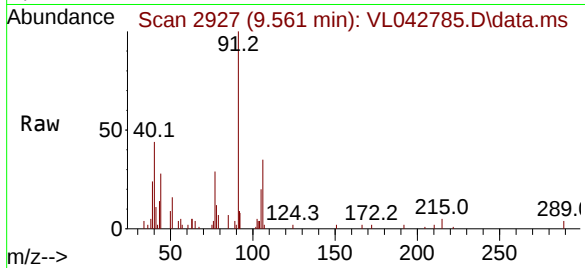
OA1

Tgt Ion: 91 Resp: 2637

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 0.127 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL042785.D

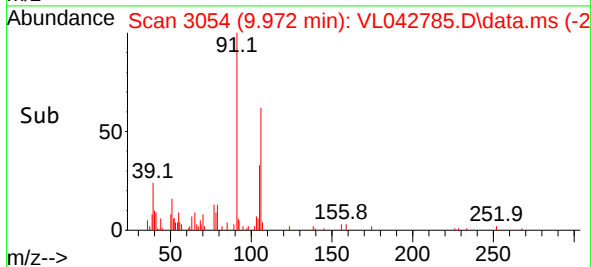
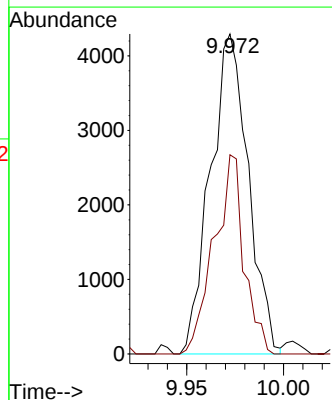
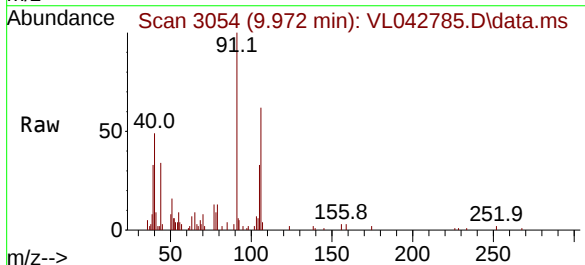
Acq: 29 Jul 2025 16:10

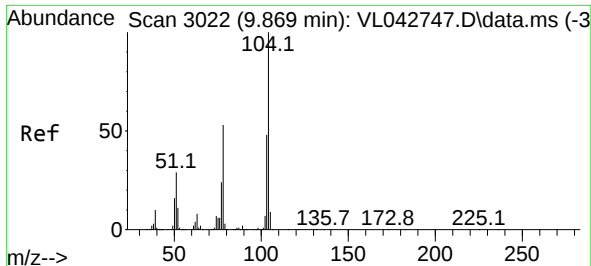
Tgt Ion: 91 Resp: 5849

Ion Ratio Lower Upper

91 100

106 49.0 22.0 66.0

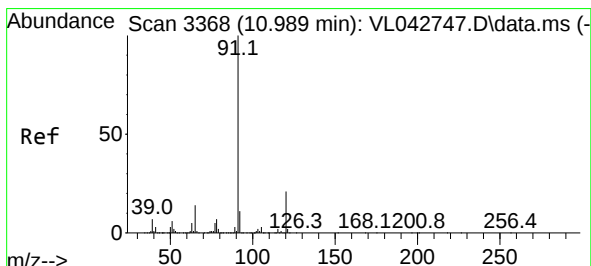
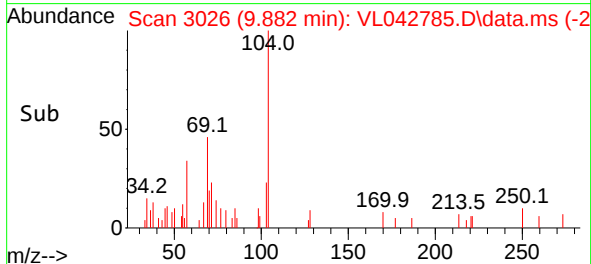
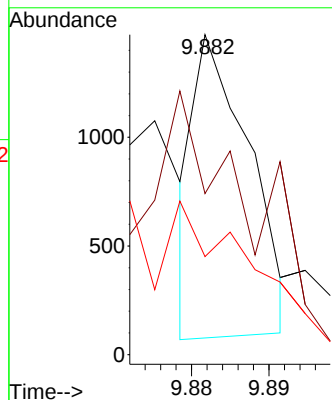
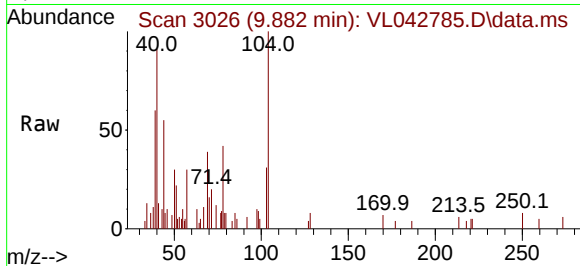




#61
Styrene
Concen: 0.036 ppbv
RT: 9.882 min Scan# 3022
Delta R.T. 0.013 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

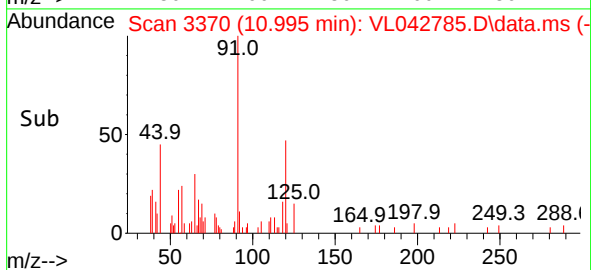
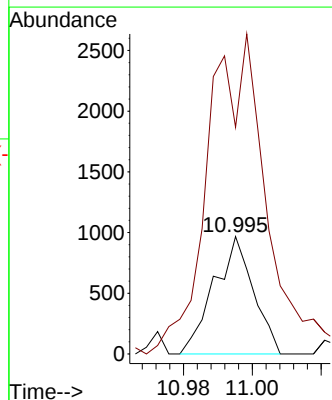
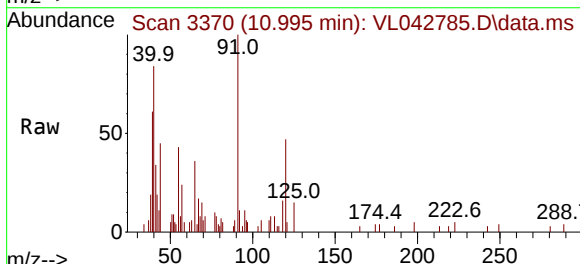
Instrument :
MSVOA_L
ClientSampleId :
OA1

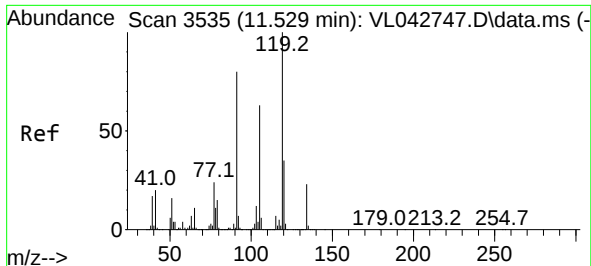
Tgt Ion:104 Resp: 690
Ion Ratio Lower Upper
104 100
78 0.0 41.5 62.3#
103 0.0 37.5 56.3#



#64
n-propylbenzene
Concen: 0.043 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.006 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion:120 Resp: 771
Ion Ratio Lower Upper
120 100
91 416.3 372.7 559.1

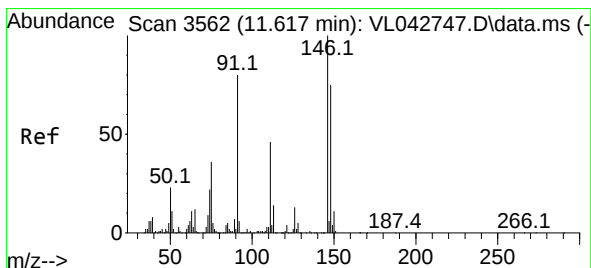
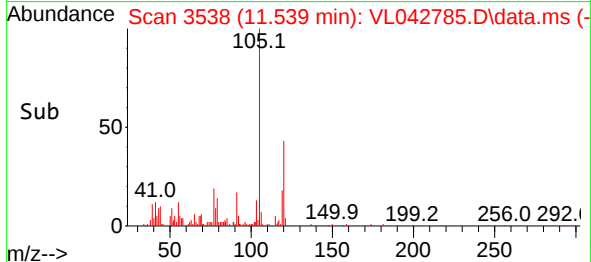
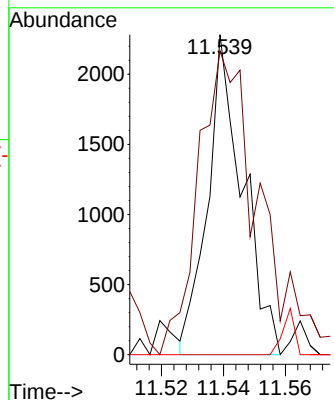
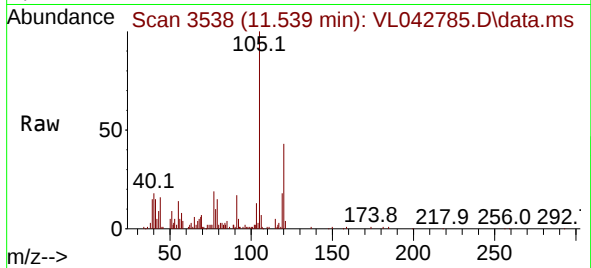




#65
tert-Butylbenzene
Concen: 0.030 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

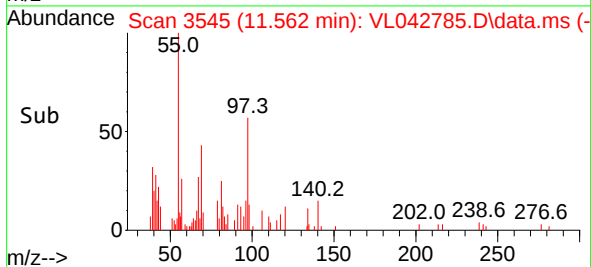
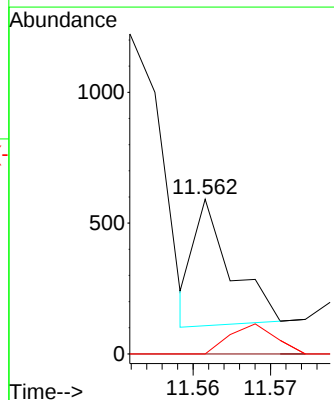
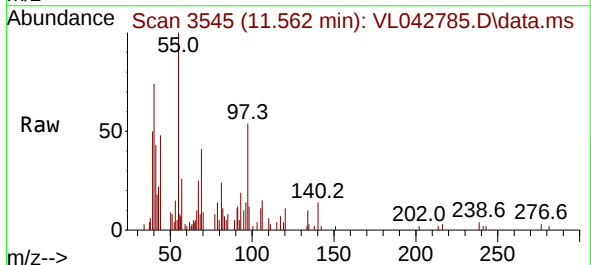
Instrument :
MSVOA_L
ClientSampleId :
OA1

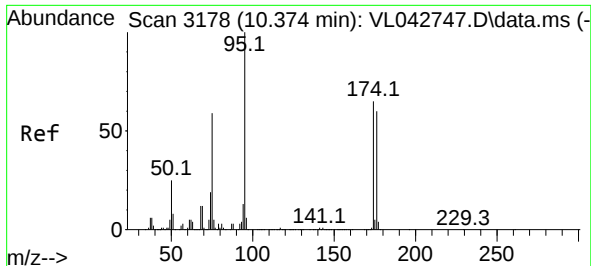
Tgt Ion: 119 Resp: 1796
Ion Ratio Lower Upper
119 100
91 196.0 64.0 96.0#
134 0.0 17.3 25.9#



#66
Benzyl Chloride
Concen: 0.032 ppbv
RT: 11.562 min Scan# 3545
Delta R.T. -0.055 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 91 Resp: 160
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 29.4 5.2 7.8#

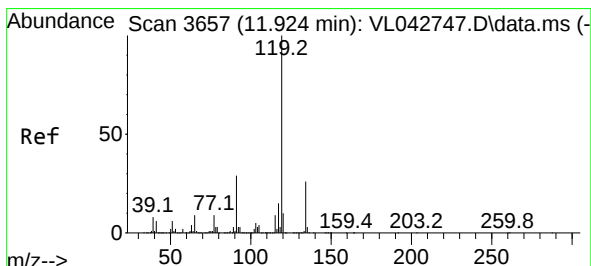
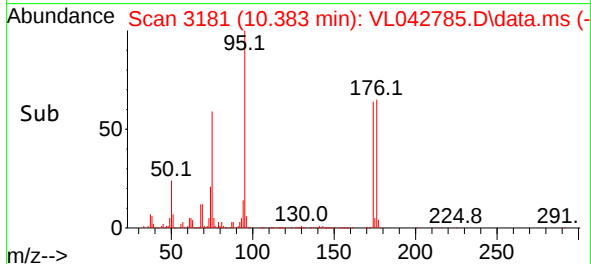
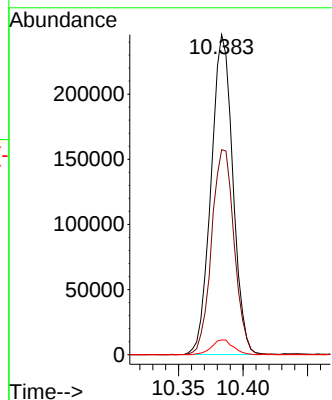
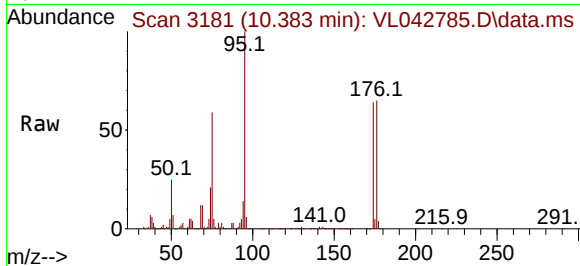




#68
1-Bromo-4-Fluorobenzene
Concen: 9.919 ppbv
RT: 10.383 min Scan# 3178
Delta R.T. 0.010 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

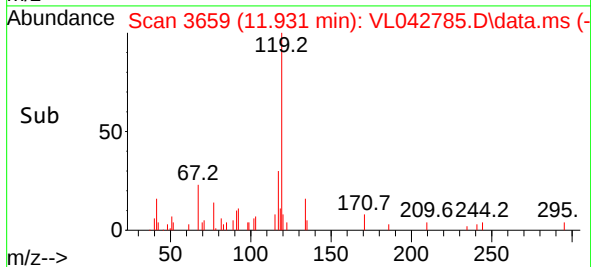
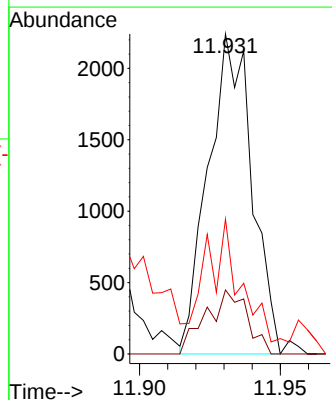
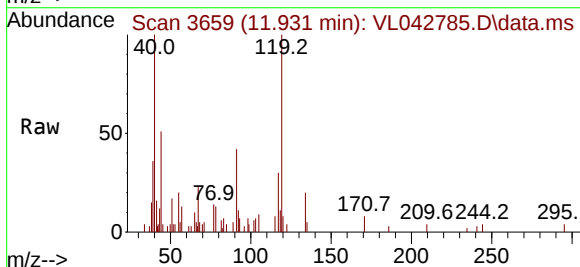
Instrument :
MSVOA_L
ClientSampleId :
OA1

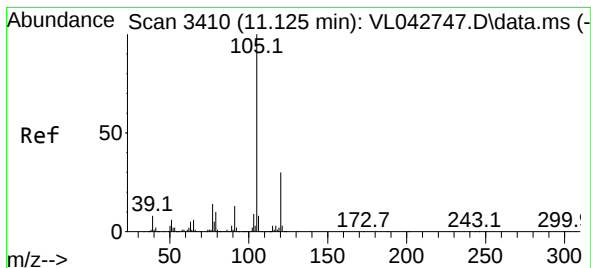
Tgt Ion: 95 Resp: 287317
Ion Ratio Lower Upper
95 100
174 66.7 53.8 80.6
175 4.6 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.034 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042785.D
Acq: 29 Jul 2025 16:10

Tgt Ion: 119 Resp: 2407
Ion Ratio Lower Upper
119 100
134 19.0 20.6 31.0#
91 24.4 23.2 34.8





#72

4-Ethyltoluene

Concen: 0.050 ppbv

RT: 11.134 min Scan# 3410

Delta R.T. 0.010 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:105 Resp: 2732

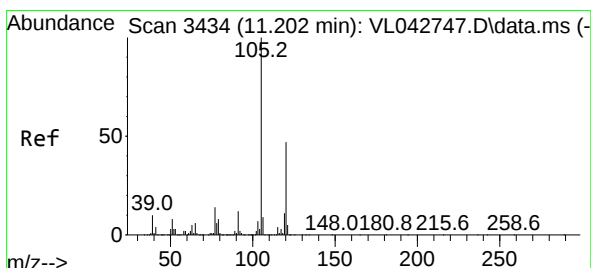
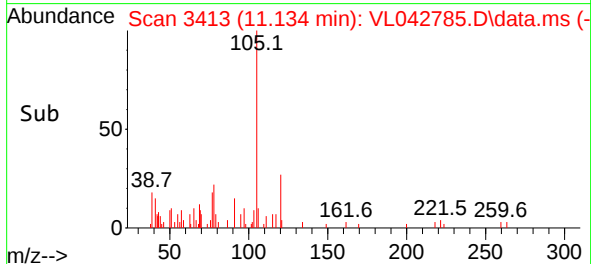
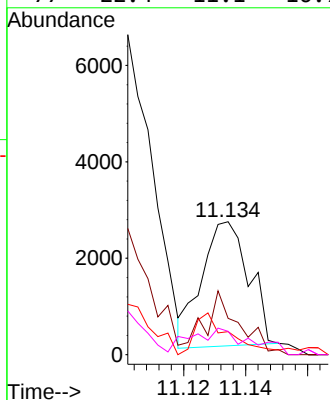
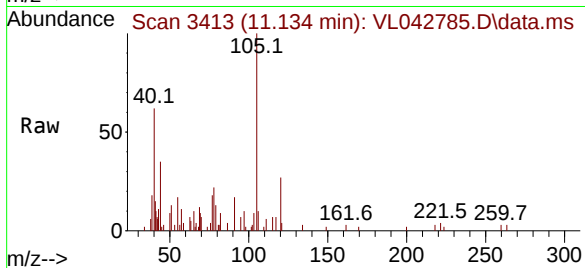
Ion Ratio Lower Upper

105 100

120 35.8 24.4 36.6

91 28.1 10.6 15.8#

77 22.4 11.1 16.7#



#73

1,3,5-Trimethylbenzene

Concen: 0.076 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.010 min

Lab File: VL042785.D

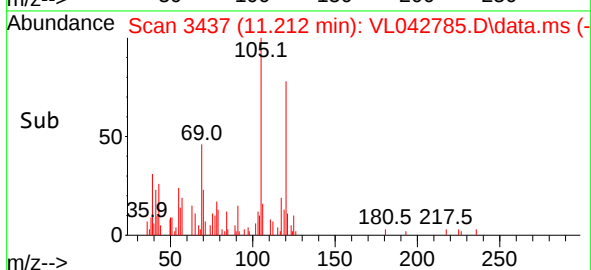
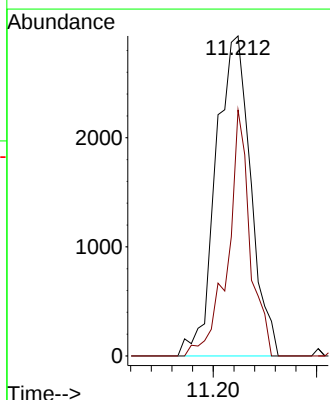
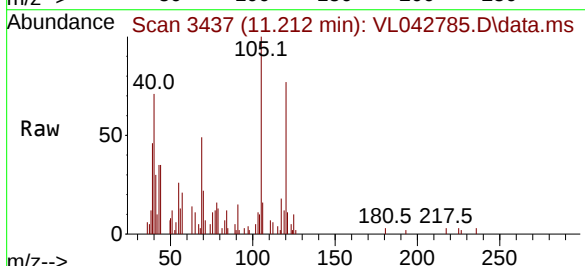
Acq: 29 Jul 2025 16:10

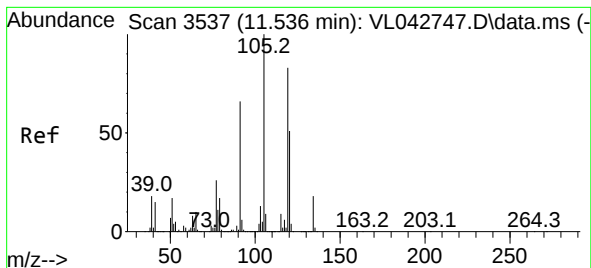
Tgt Ion:105 Resp: 3427

Ion Ratio Lower Upper

105 100

120 76.8 37.8 56.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.294 ppbv

RT: 11.542 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:105 Resp: 14560

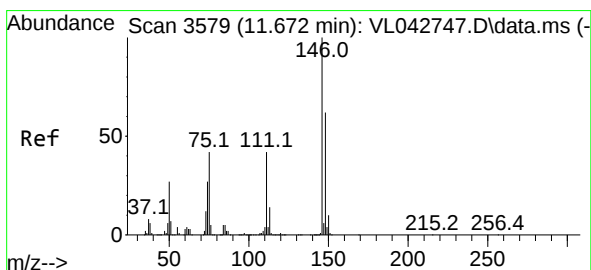
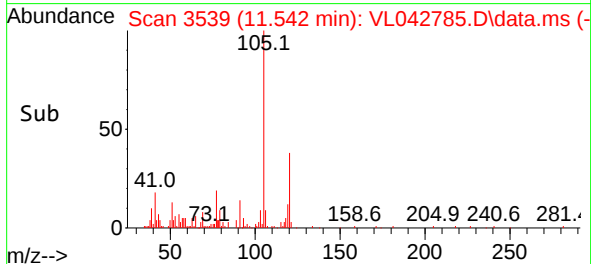
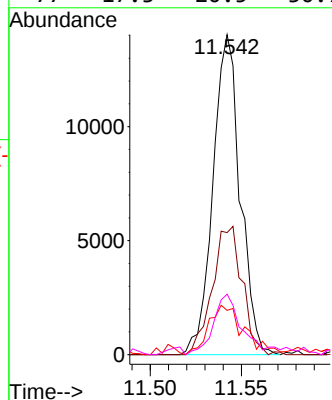
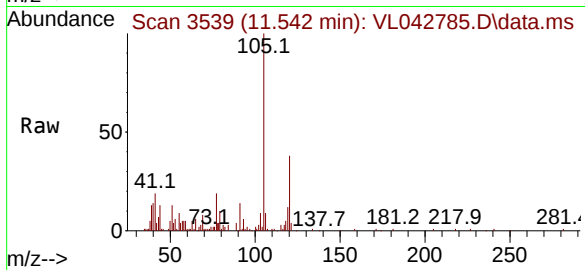
Ion Ratio Lower Upper

105 100

120 38.2 40.8 61.2#

91 13.2 53.0 79.4#

77 17.3 20.5 30.7#



#76

1,4-Dichlorobenzene

Concen: 0.078 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

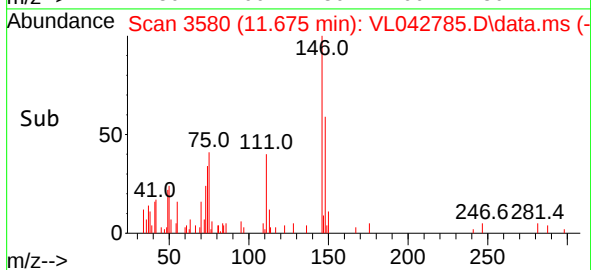
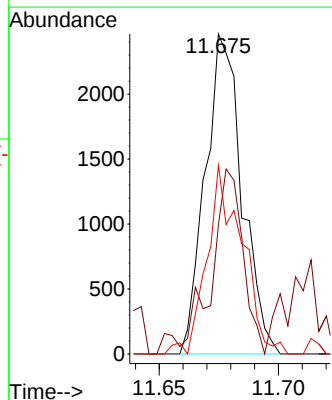
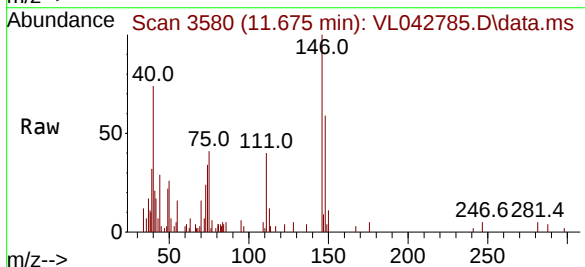
Tgt Ion:146 Resp: 2641

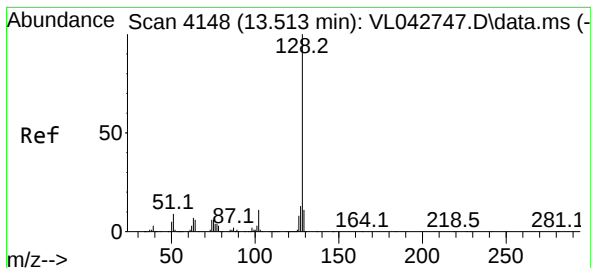
Ion Ratio Lower Upper

146 100

111 75.8 21.4 64.2#

148 56.2 32.1 96.3





#79

Naphthalene

Concen: 0.491 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.006 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

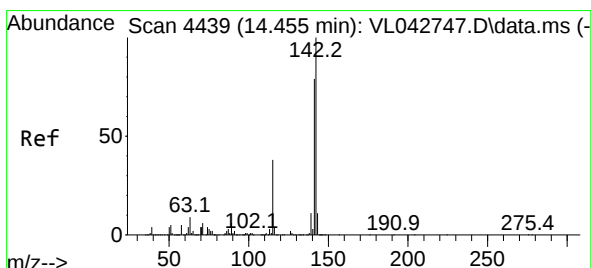
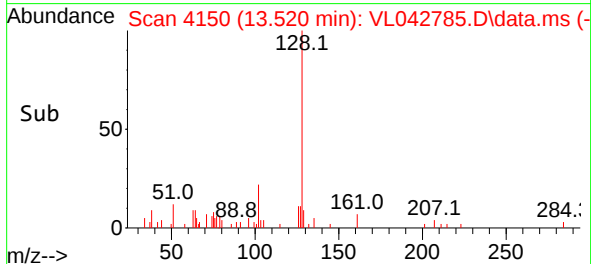
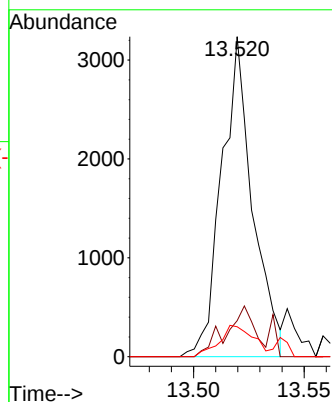
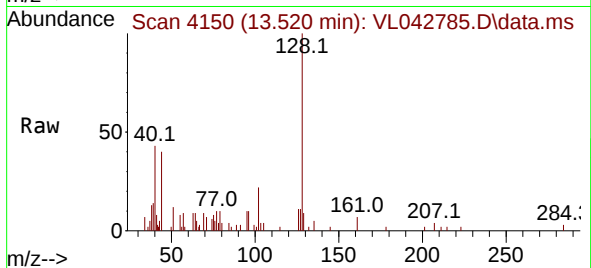
Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:128	Resp:	3153
Ion	Ratio	Lower Upper
128	100	
127	11.2	10.5 15.7
129	9.4	8.6 13.0



#80

Naphthalene, 2-methyl-

Concen: 1.140 ppbv

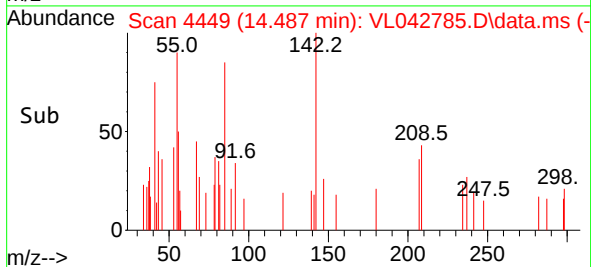
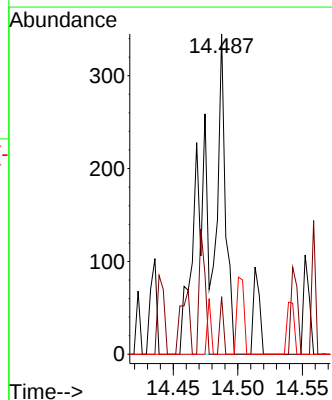
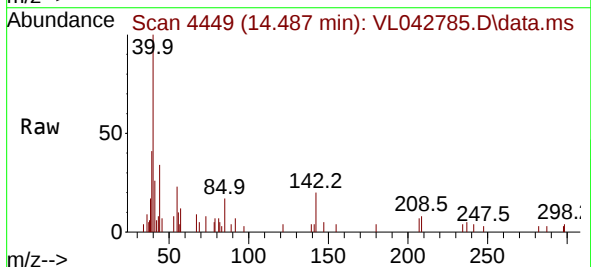
RT: 14.487 min Scan# 4449

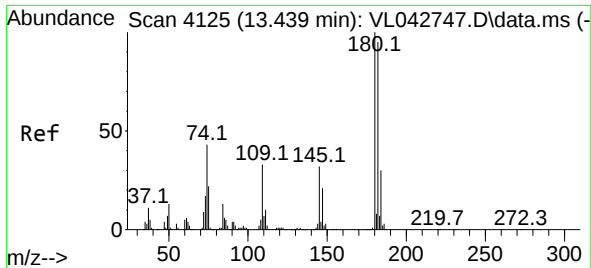
Delta R.T. 0.032 min

Lab File: VL042785.D

Acq: 29 Jul 2025 16:10

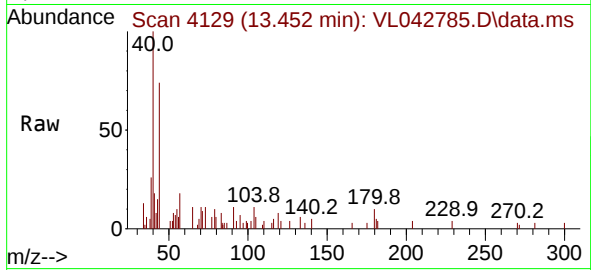
Tgt Ion:142	Resp:	363
Ion	Ratio	Lower Upper
142	100	
141	32.8	65.8 98.8#
115	8.8	31.2 46.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.437 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL042785.D
 Acq: 29 Jul 2025 16:10

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion:	180	Resp:	58
Ion Ratio	Lower	Upper	
180	100		
182	0.0	76.2	114.2#
184	29.3	24.8	37.2

