

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042791.D
 Acq On : 31 Jul 2025 12:03
 Operator : SY/MD
 Sample : Q2727-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100

Quant Time: Aug 01 01:14:08 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	2.794	49	141472	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	391365	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	346534	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	293791	10.705	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.100%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	1.706	51	8259	0.339	ppbv #	85
4) Chloromethane	1.538	50	380	0.050	ppbv #	64
5) Vinyl Chloride	1.709	62	3664	0.490	ppbv #	1
7) Chloroethane	1.709	64	86336	29.887	ppbv	99
9) Propene	1.431	41	444	0.050	ppbv	88
10) Heptane	4.991	43	566179	23.711	ppbv	98
11) Trichlorofluoromethane	2.039	101	680	0.035	ppbv #	19
13) Ethanol	1.729	45	647	Below Cal	#	1
15) Acetone	1.839	43	6516	0.334	ppbv	92
16) 1,3-Butadiene	1.612	39	273	0.033	ppbv	84
17) tert-Butyl alcohol	2.036	59	20047	1.138	ppbv #	75
18) 1,1-Dichloroethene	2.039	96	258488	39.044	ppbv	94
19) Isopropyl Alcohol	1.891	45	936	0.090	ppbv #	70
20) Methylene Chloride	2.065	84	2290	0.372	ppbv #	93
22) trans-1,2-Dichloroethene	2.039	96	258488	36.295	ppbv	90
24) 1,1-Dichloroethane	2.039	63	170959	11.695	ppbv #	1
29) Chloroform	2.855	83	11917	0.407	ppbv	86
34) 2-Butanone	2.570	43	1548	0.056	ppbv #	83
35) Carbon Tetrachloride	3.774	117	694	0.024	ppbv #	80
36) Benzene	3.664	78	1865504	50.295	ppbv	98
37) 1,2-Dichloroethane	3.224	62	7926	0.355	ppbv	99
39) 1,2-Dichloropropane	3.965	63	100143	7.314	ppbv #	23
42) Bromodichloromethane	4.499	83	846413	29.087	ppbv	96
43) Methyl Methacrylate	4.969	69	3560	0.270	ppbv #	1
44) 2,2,4-Trimethylpentane	4.991	57	273531	4.525	ppbv #	1
48) Dibromochloromethane	7.403	129	1892	0.082	ppbv #	31
57) Chlorobenzene	8.933	112	1308615	39.019	ppbv	97
58) Ethyl Benzene	9.542	91	1577519	28.826	ppbv #	67
59) m/p-Xylene	9.542	91	1577519	36.070	ppbv	100
60) o-Xylene	9.976	91	2173699	49.739	ppbv	97
61) Styrene	9.879	104	589	0.032	ppbv #	28
62) Isopropylbenzene	10.545	105	5306	0.082	ppbv	96
64) n-propylbenzene	11.212	120	759494	45.193	ppbv #	1
65) tert-Butylbenzene	11.545	119	2258	0.039	ppbv #	20
66) Benzyl Chloride	11.549	91	2211	0.470	ppbv #	69
67) sec-Butylbenzene	11.542	105	17780	0.218	ppbv #	58
71) 2-Chlorotoluene	11.212	91	201987	4.086	ppbv #	45
72) 4-Ethyltoluene	11.212	105	1577511	30.225	ppbv #	81
73) 1,3,5-Trimethylbenzene	11.212	105	1577511	36.711	ppbv	97
74) 1,2,4-Trimethylbenzene	11.542	105	17780	0.379	ppbv #	61
75) 1,3-Dichlorobenzene	11.953	146	966653	29.412	ppbv	99
76) 1,4-Dichlorobenzene	11.953	146	966653	30.057	ppbv	97
77) 1,2-Dichlorobenzene	11.953	146	966653	29.926	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
Data File : VL042791.D
Acq On : 31 Jul 2025 12:03
Operator : SY/MD
Sample : Q2727-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

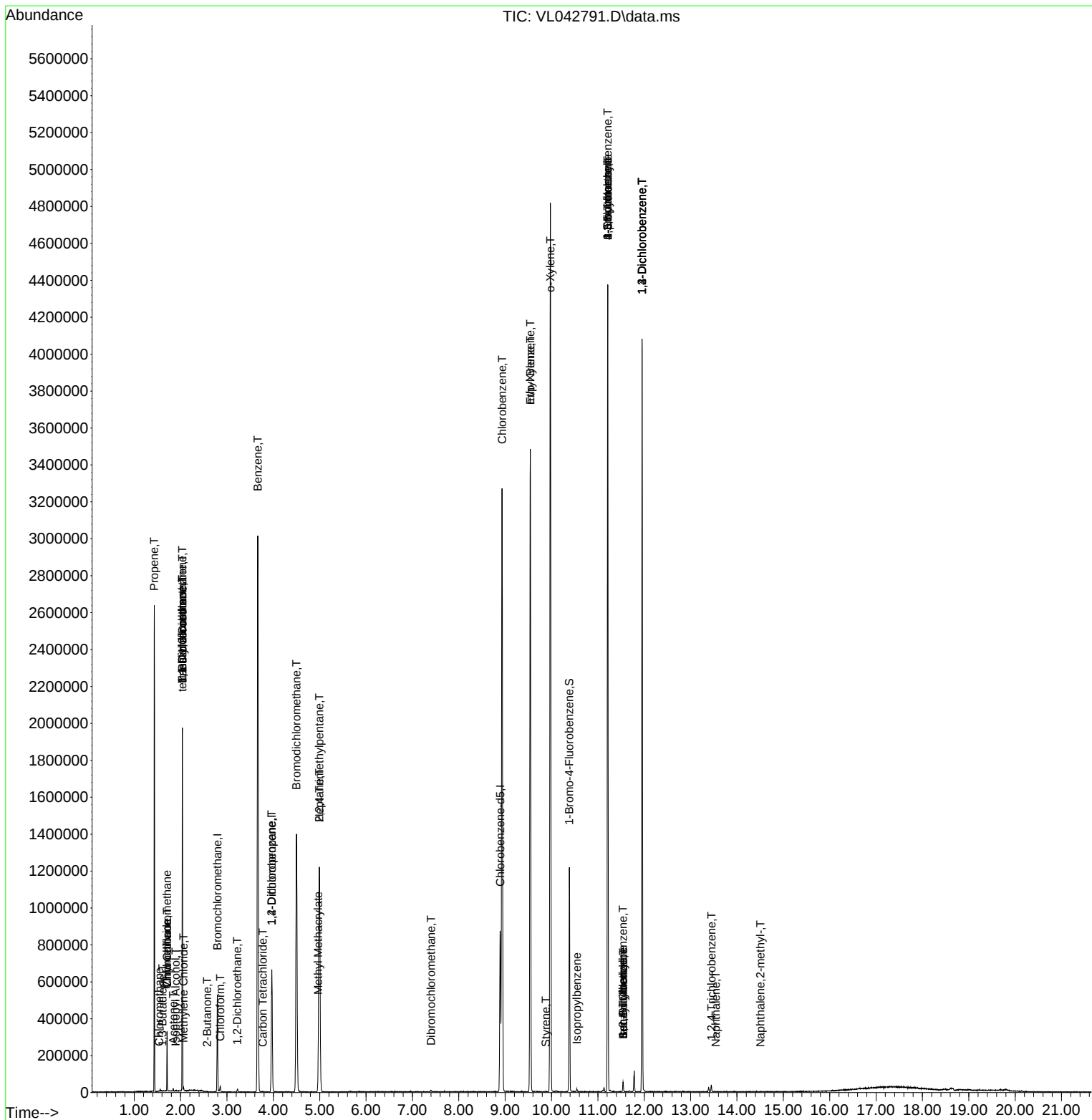
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

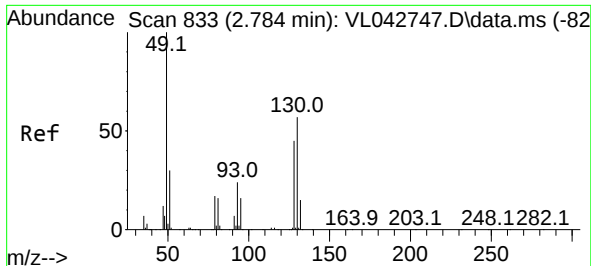
Quant Time: Aug 01 01:14:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	13.542	128	48	0.436	ppbv #	69
80) Naphthalene,2-methyl-	14.507	142	68	1.131	ppbv #	26
81) 1,2,4-Trichlorobenzene	13.449	180	5549	0.621	ppbv	91

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

Quant Time: Aug 01 01:14:08 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

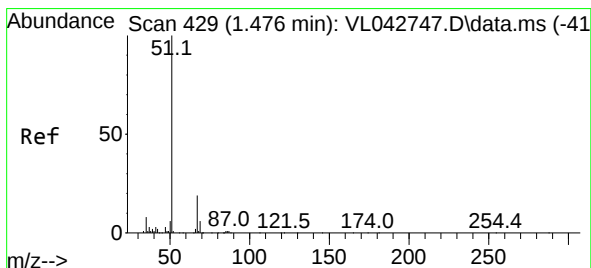
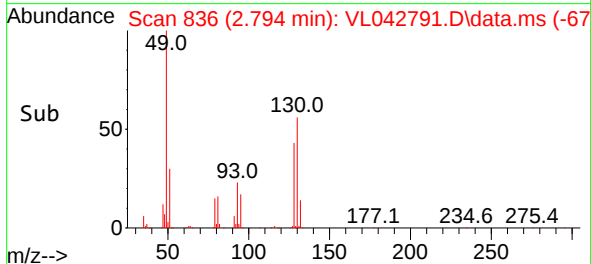
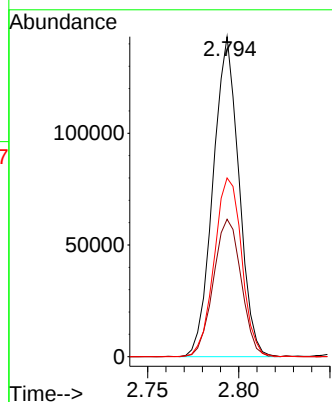
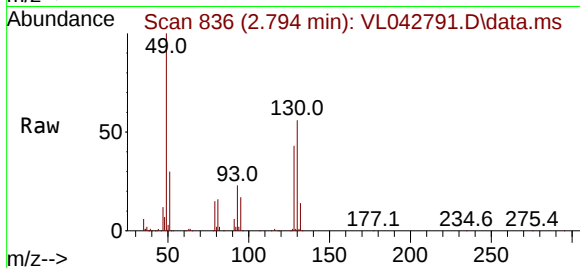




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

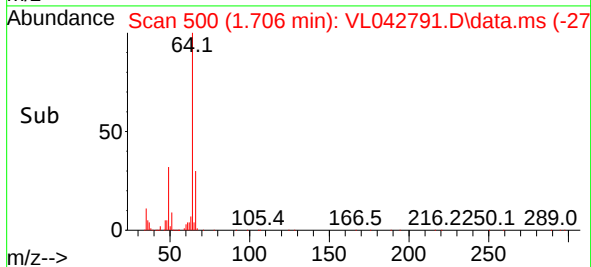
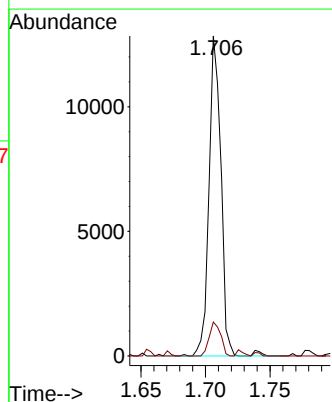
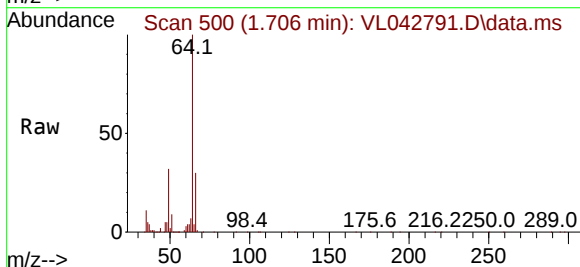
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

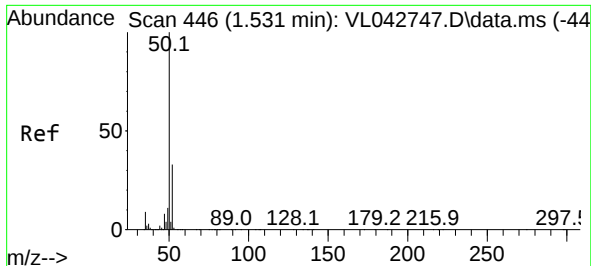
Tgt Ion: 49 Resp: 141472
Ion Ratio Lower Upper
49 100
128 46.2 23.6 71.0
130 59.3 30.3 90.8



#3
Chlorodifluoromethane
Concen: 0.339 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.230 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 51 Resp: 8259
Ion Ratio Lower Upper
51 100
67 11.8 15.0 22.6#

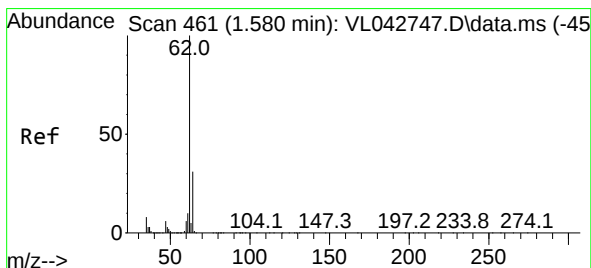
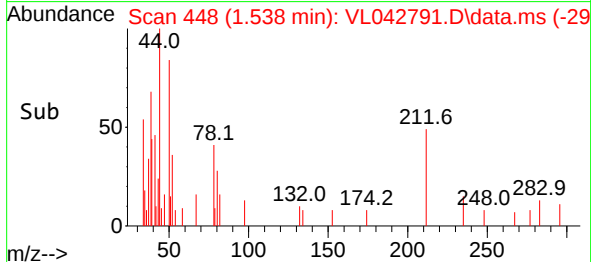
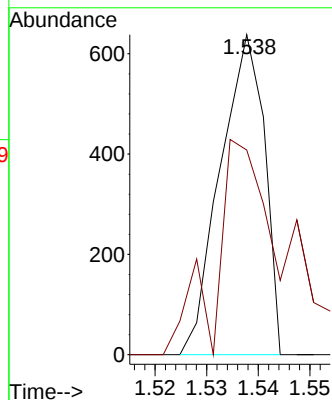
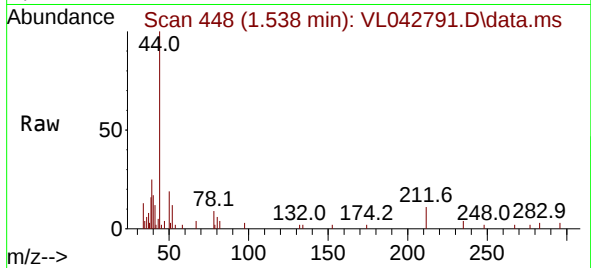




#4
Chloromethane
Concen: 0.050 ppbv
RT: 1.538 min Scan# 446
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

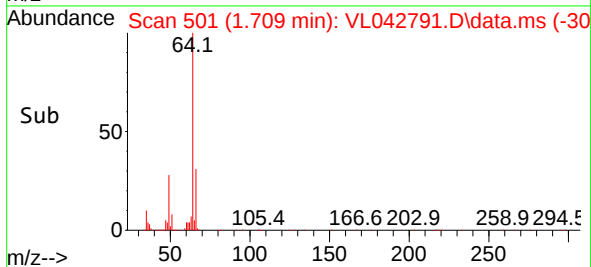
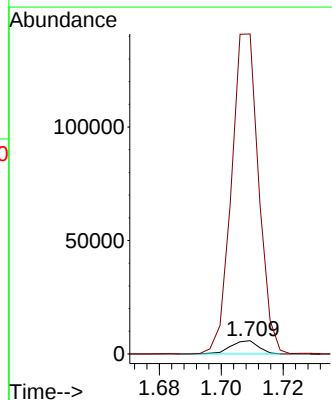
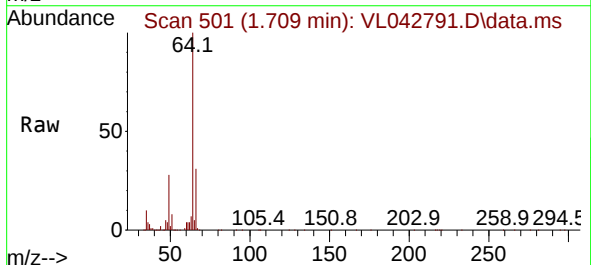
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

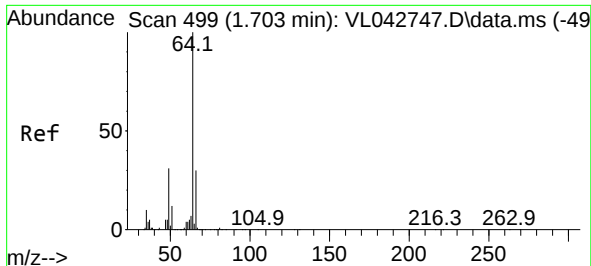
Tgt Ion: 50 Resp: 380
Ion Ratio Lower Upper
50 100
52 53.4 26.6 40.0#



#5
Vinyl Chloride
Concen: 0.490 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.130 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 62 Resp: 3664
Ion Ratio Lower Upper
62 100
64 2421.7 24.5 36.7#

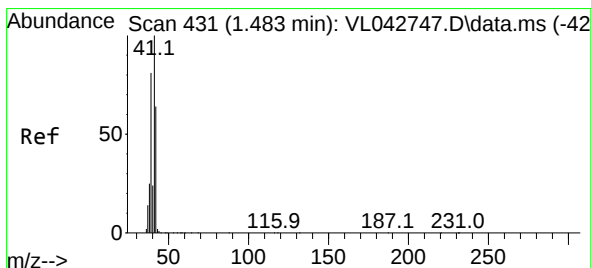
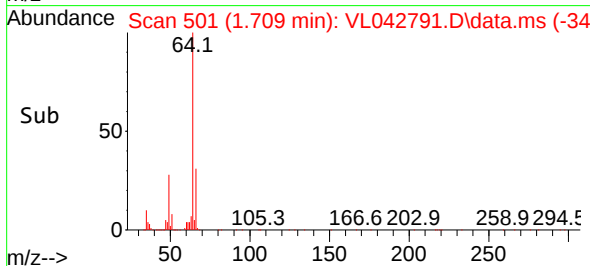
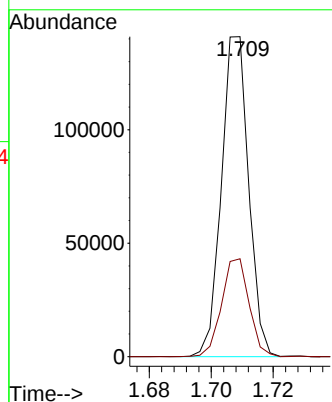
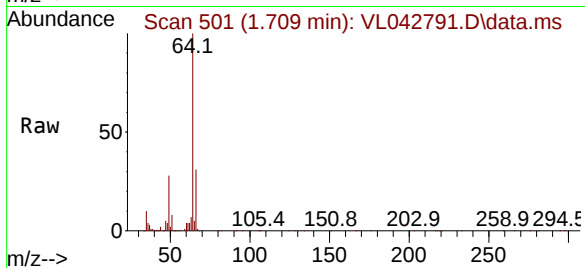




#7
Chloroethane
Concen: 29.887 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

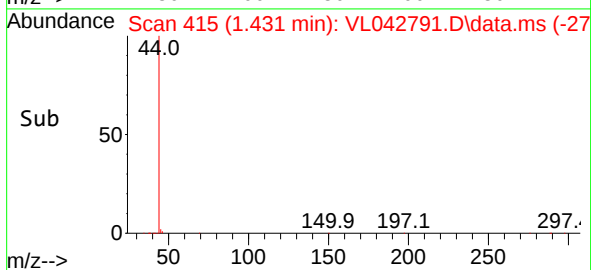
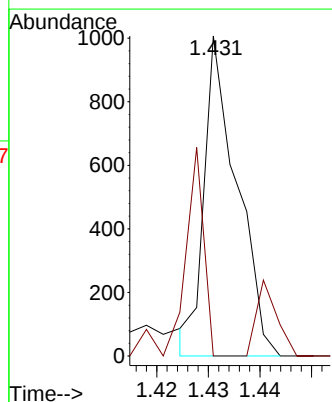
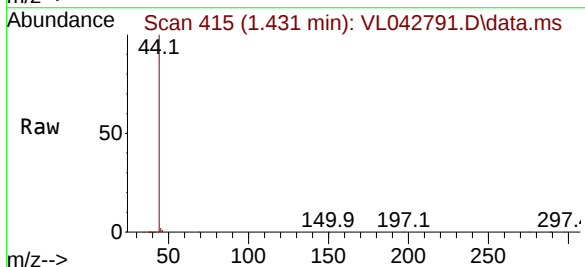
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

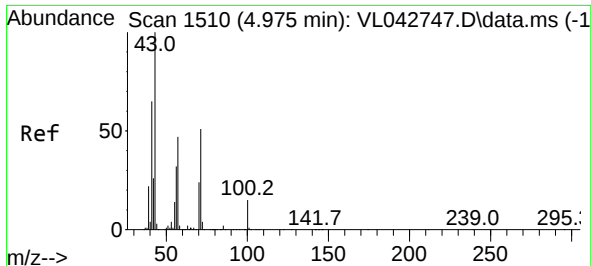
Tgt Ion: 64 Resp: 86336
Ion Ratio Lower Upper
64 100
66 30.6 24.1 36.1



#9
Propene
Concen: 0.050 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.052 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 41 Resp: 444
Ion Ratio Lower Upper
41 100
42 56.8 53.2 79.8

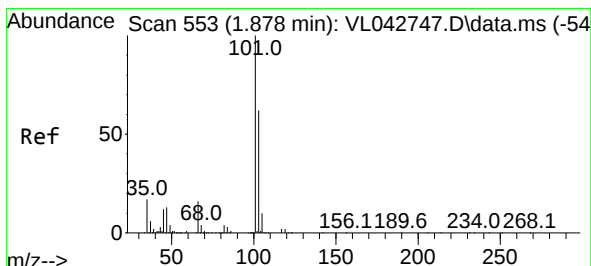
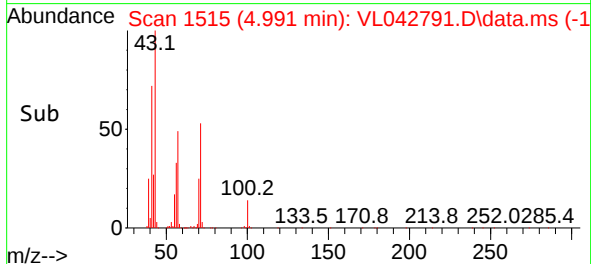
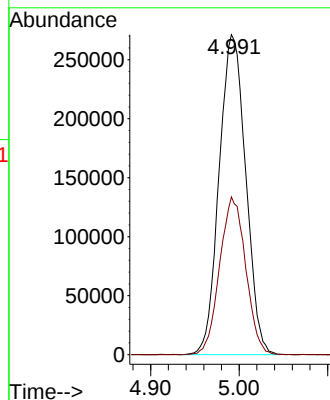
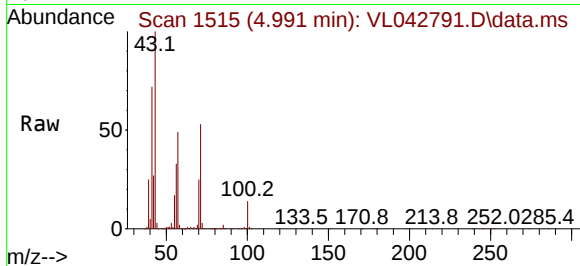




#10
Heptane
Concen: 23.711 ppbv
RT: 4.991 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

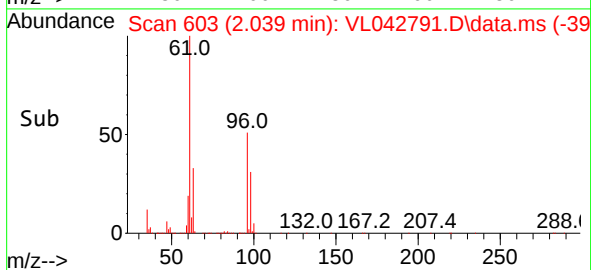
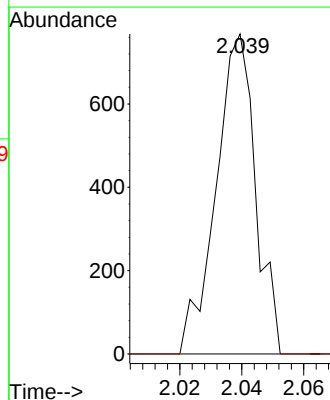
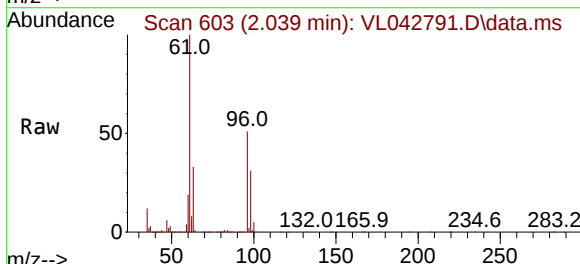
Instrument :
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AE073-1100

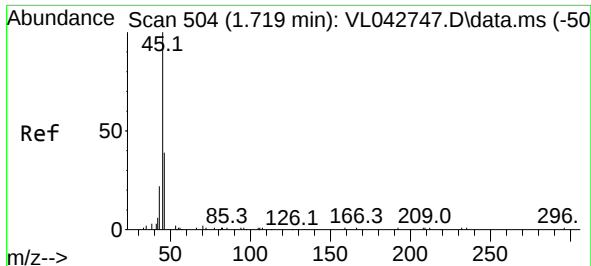
Tgt Ion: 43 Resp: 566179
Ion Ratio Lower Upper
43 100
57 48.3 39.9 59.9



#11
Trichlorofluoromethane
Concen: 0.035 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.162 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 101 Resp: 680
Ion Ratio Lower Upper
101 100
103 0.0 49.6 74.4#

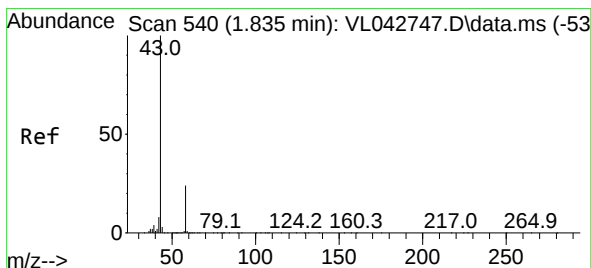
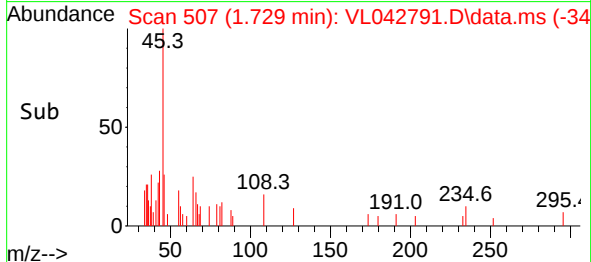
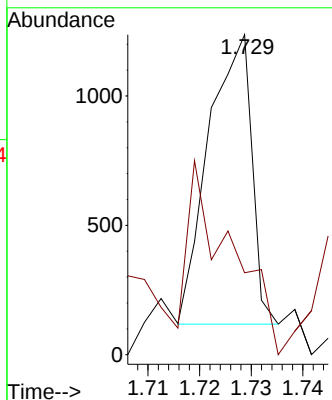
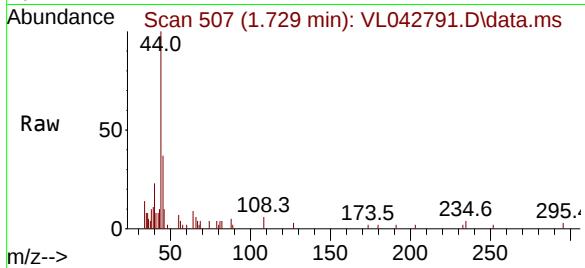




#13
Ethanol
Concen: Below Cal
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

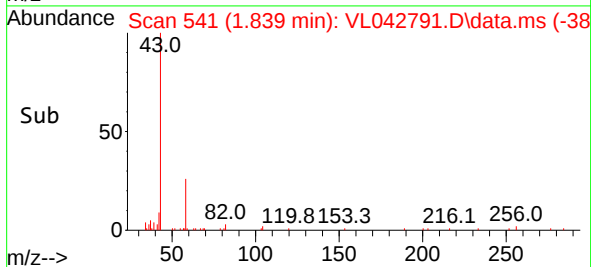
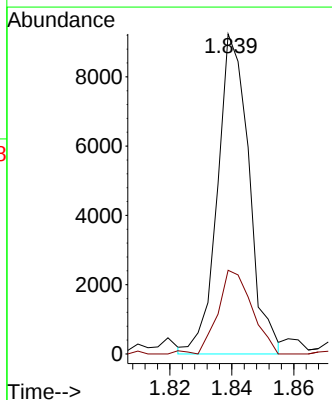
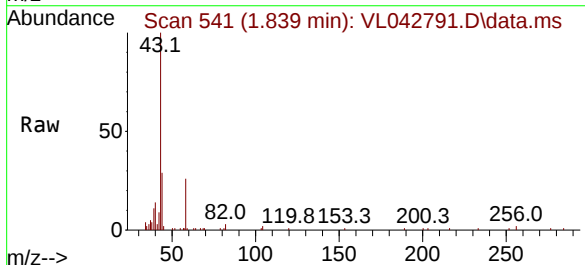
Instrument :
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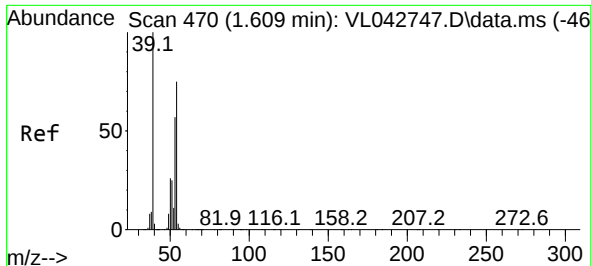
Tgt Ion: 45 Resp: 647
Ion Ratio Lower Upper
45 100
46 157.0 17.8 71.4#



#15
Acetone
Concen: 0.334 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 43 Resp: 6516
Ion Ratio Lower Upper
43 100
58 28.7 19.8 29.8





#16

1,3-Butadiene

Concen: 0.033 ppbv

RT: 1.612 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

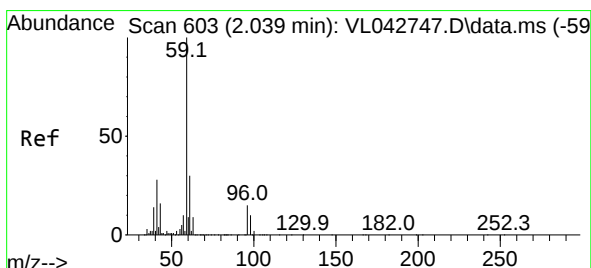
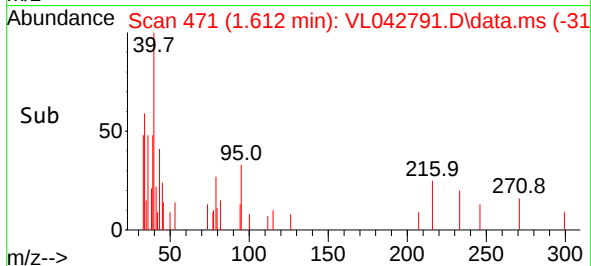
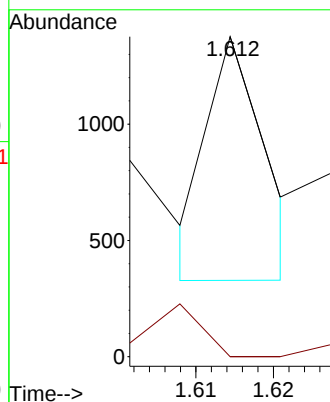
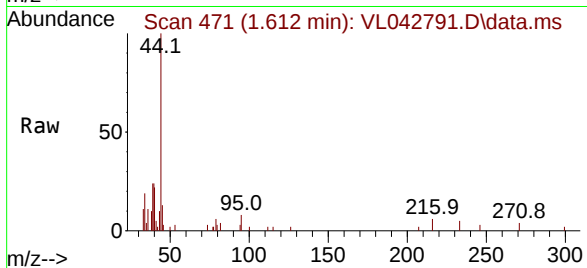
AE073-1100

Tgt Ion: 39 Resp: 273

Ion Ratio Lower Upper

39 100

54 55.3 54.5 81.7



#17

tert-Butyl alcohol

Concen: 1.138 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.003 min

Lab File: VL042791.D

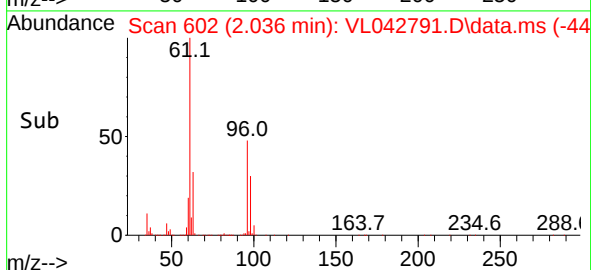
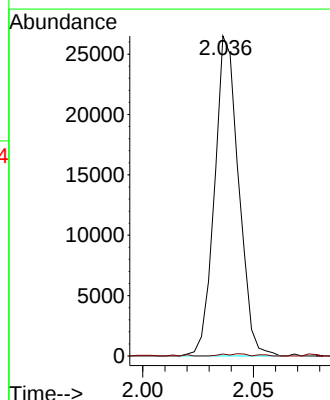
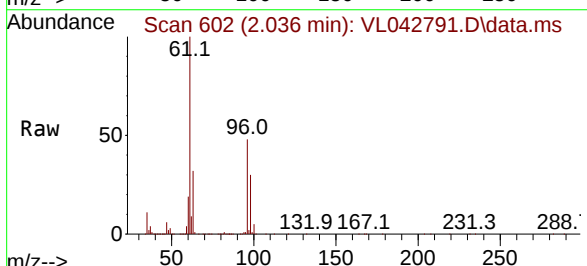
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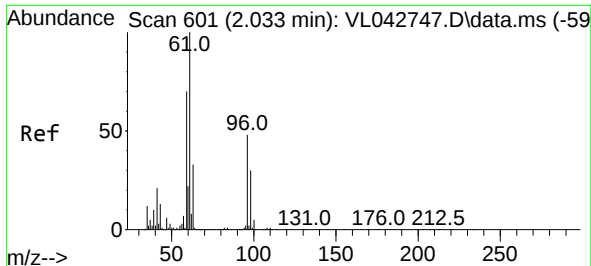
Tgt Ion: 59 Resp: 20047

Ion Ratio Lower Upper

59 100

57 1.2 8.3 12.5#

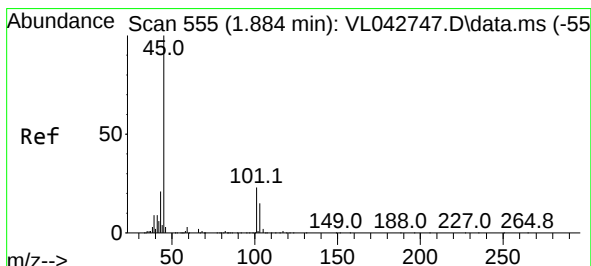
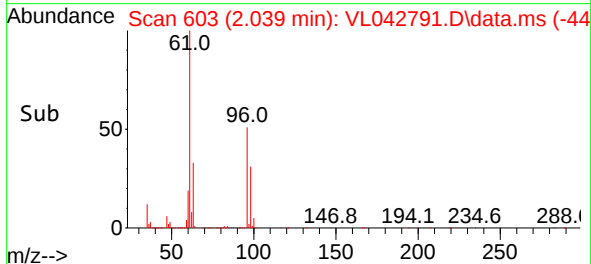
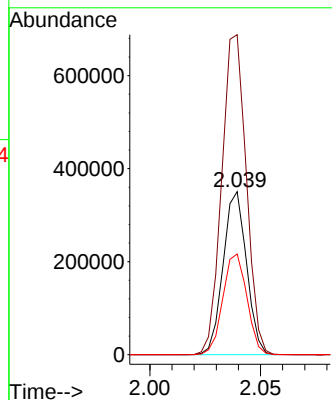
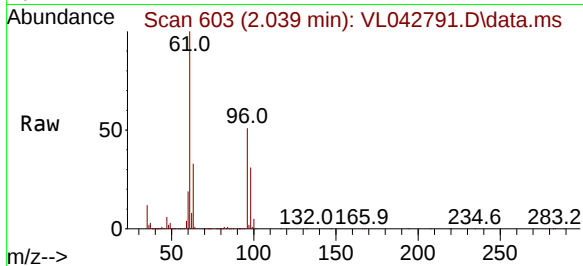




#18
1,1-Dichloroethene
Concen: 39.044 ppbv
RT: 2.039 min Scan# 601
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

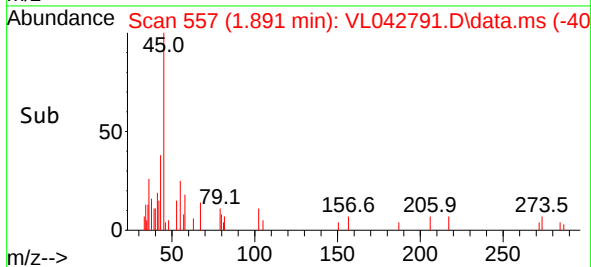
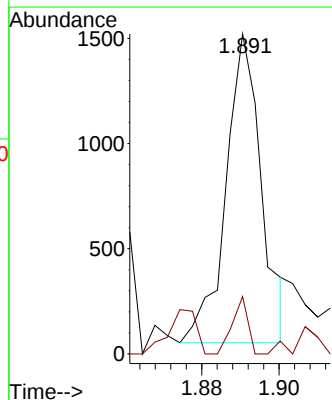
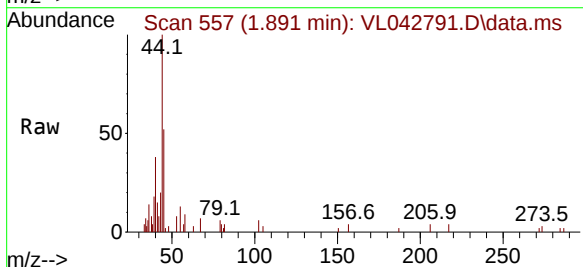
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

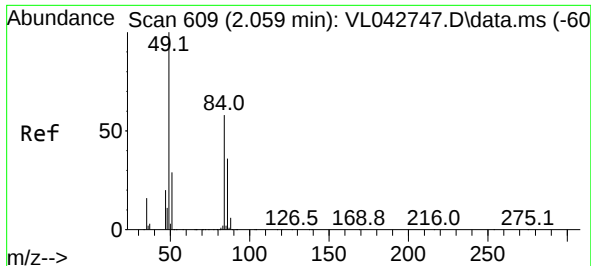
Tgt Ion: 96 Resp: 258488
Ion Ratio Lower Upper
96 100
61 196.3 165.8 248.6
98 61.7 49.9 74.9



#19
Isopropyl Alcohol
Concen: 0.090 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 45 Resp: 936
Ion Ratio Lower Upper
45 100
58 19.4 30.0 45.0#

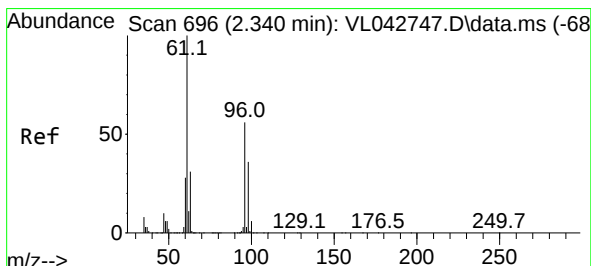
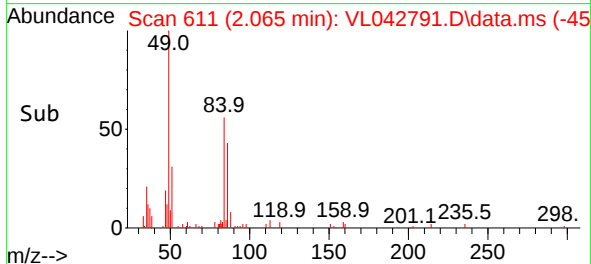
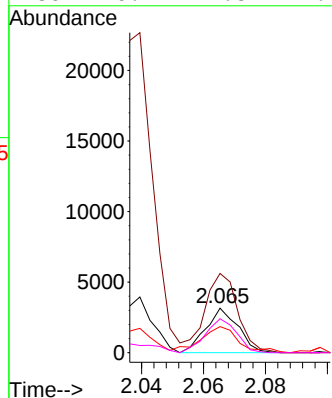
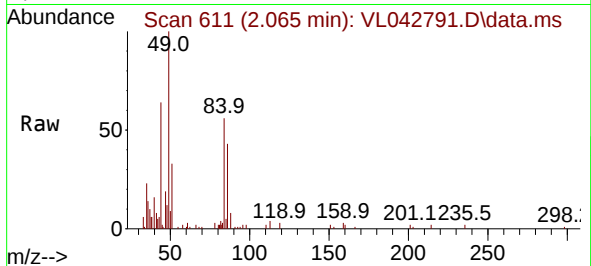




#20
Methylene Chloride
Concen: 0.372 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

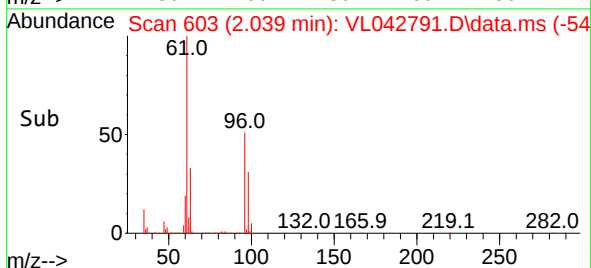
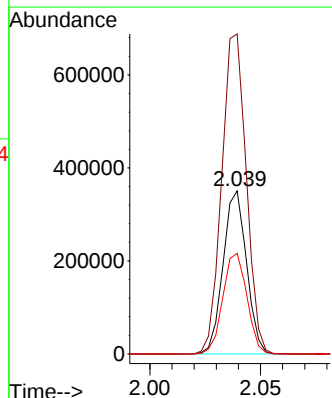
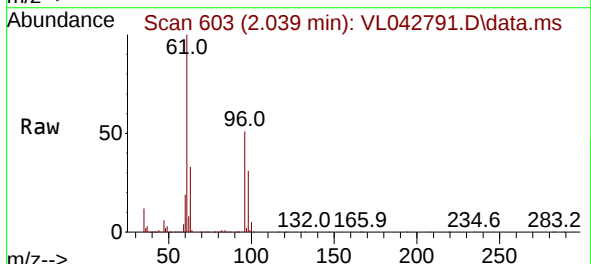
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

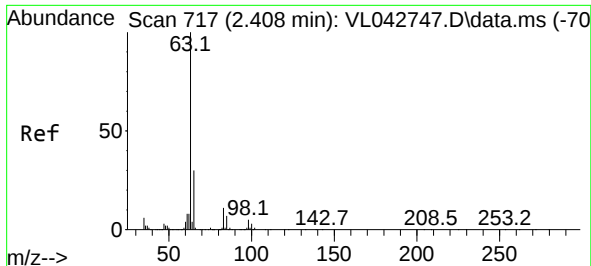
Tgt Ion: 84 Resp: 2290
Ion Ratio Lower Upper
84 100
49 177.8 138.6 208.0
51 56.1 40.6 61.0
86 76.1 49.8 74.8#



#22
trans-1,2-Dichloroethene
Concen: 36.295 ppbv
RT: 2.039 min Scan# 603
Delta R.T. -0.301 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 96 Resp: 258488
Ion Ratio Lower Upper
96 100
61 196.3 142.3 213.5
98 61.7 50.6 76.0

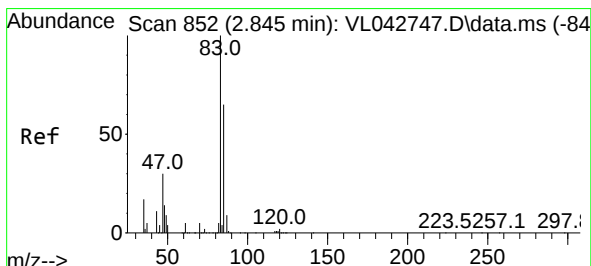
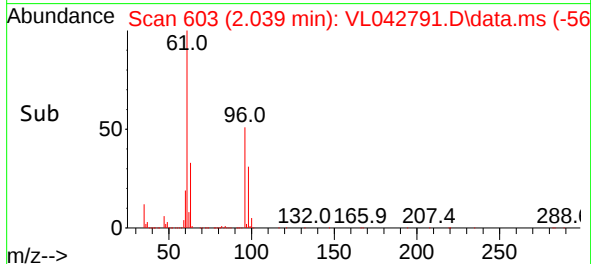
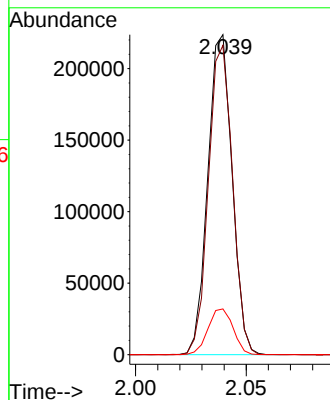
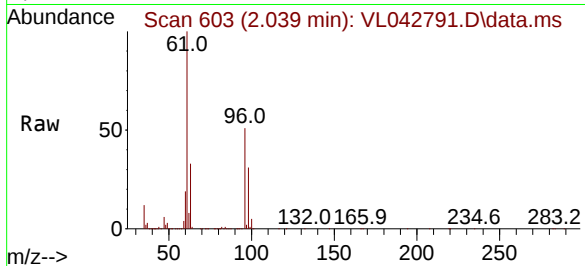




#24
1,1-Dichloroethane
Concen: 11.695 ppbv
RT: 2.039 min Scan# 60
Delta R.T. -0.369 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

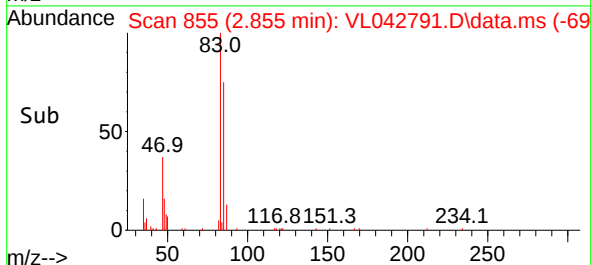
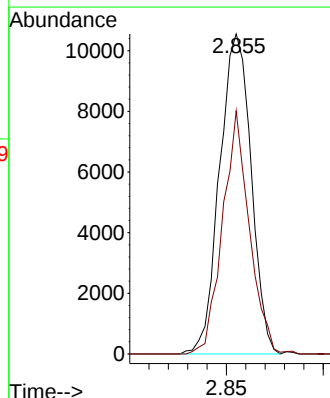
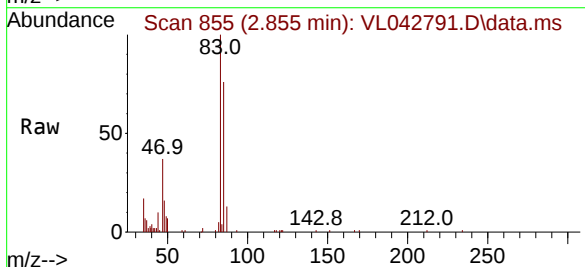
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

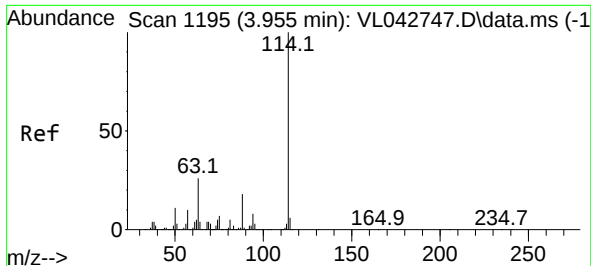
Tgt Ion: 63 Resp: 170959
Ion Ratio Lower Upper
63 100
98 96.6 2.5 7.4#
100 14.3 1.6 4.8#



#29
Chloroform
Concen: 0.407 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 83 Resp: 11917
Ion Ratio Lower Upper
83 100
85 75.9 52.2 78.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

AE073-1100

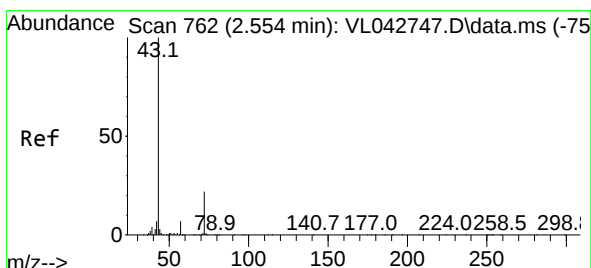
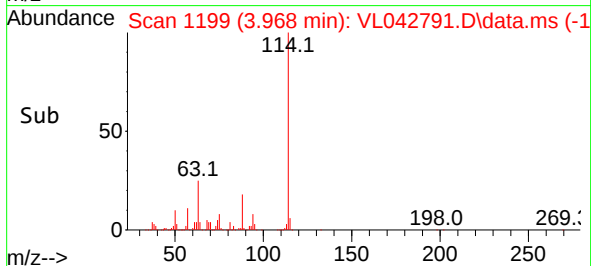
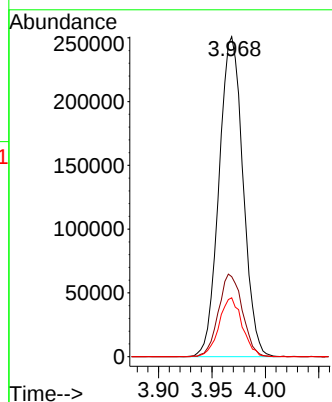
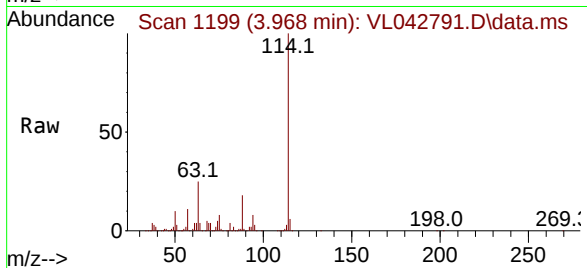
Tgt Ion:114 Resp: 391365

Ion Ratio Lower Upper

114 100

63 25.7 20.5 30.7

88 17.8 14.0 21.0



#34

2-Butanone

Concen: 0.056 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL042791.D

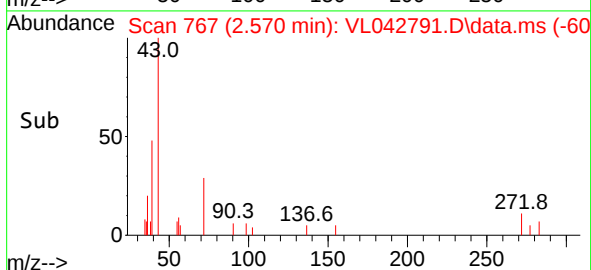
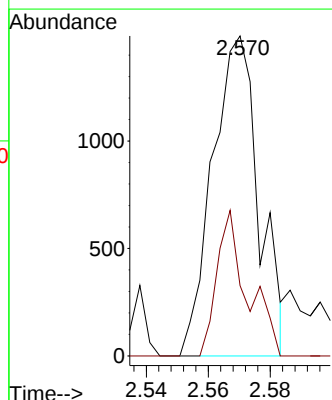
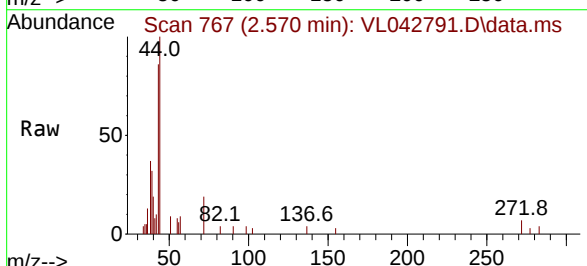
Acq: 31 Jul 2025 12:03

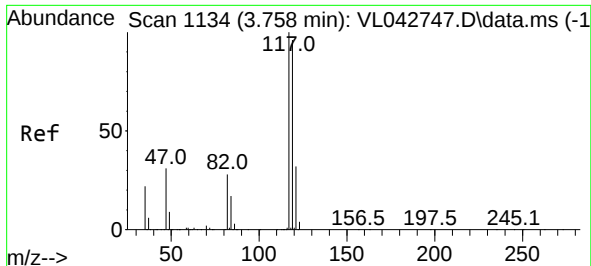
Tgt Ion: 43 Resp: 1548

Ion Ratio Lower Upper

43 100

72 29.8 17.4 26.0#

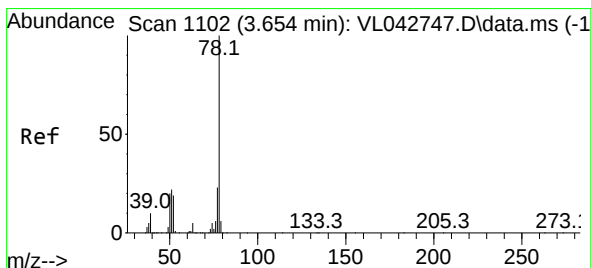
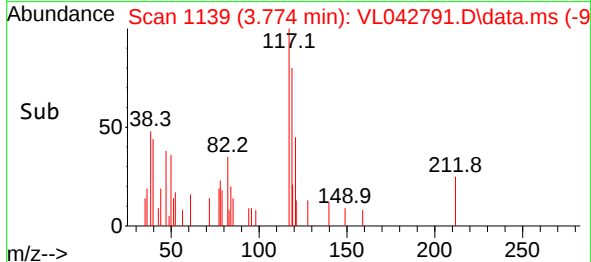
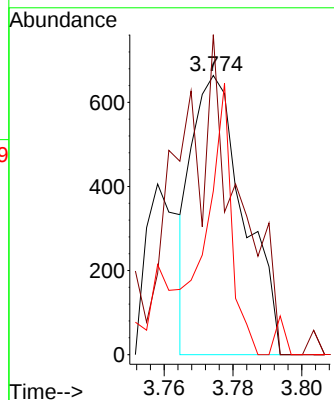
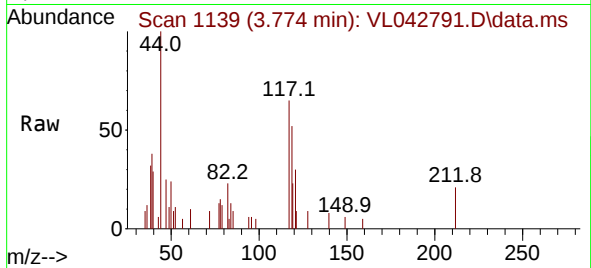




#35
Carbon Tetrachloride
Concen: 0.024 ppbv
RT: 3.774 min Scan# 1139
Delta R.T. 0.016 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

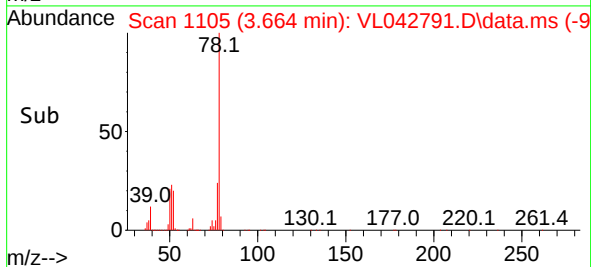
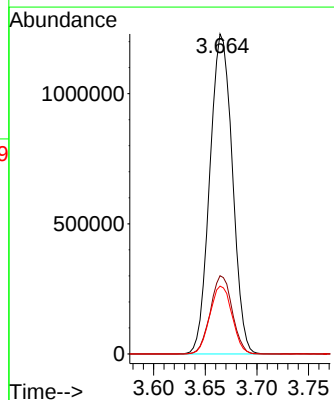
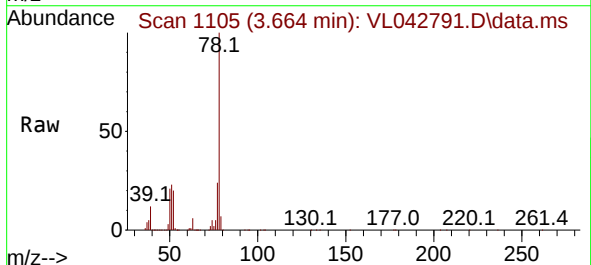
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

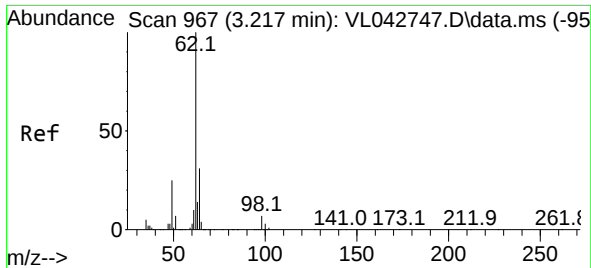
Tgt Ion:117 Resp: 694
Ion Ratio Lower Upper
117 100
119 114.6 77.1 115.7
121 44.7 25.5 38.3#



#36
Benzene
Concen: 50.295 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 78 Resp: 1865504
Ion Ratio Lower Upper
78 100
77 24.4 18.5 27.7
50 21.2 16.2 24.2





#37

1,2-Dichloroethane

Concen: 0.355 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

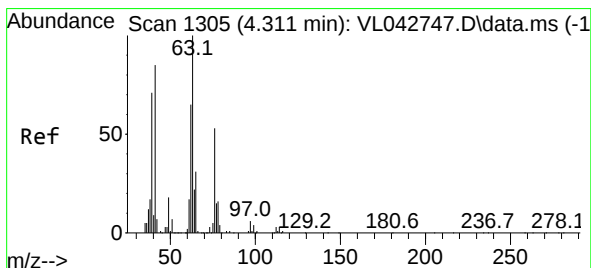
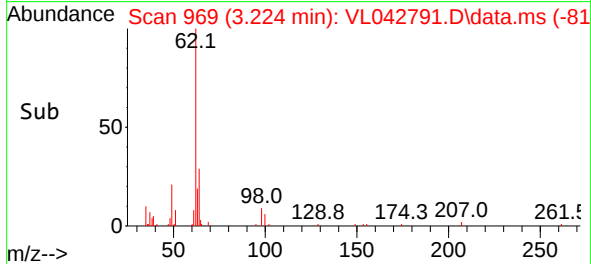
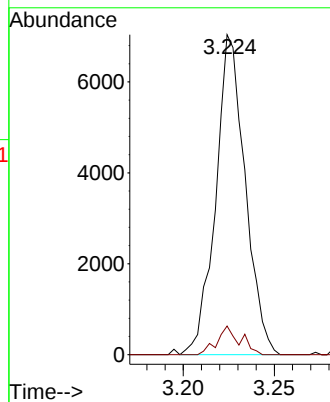
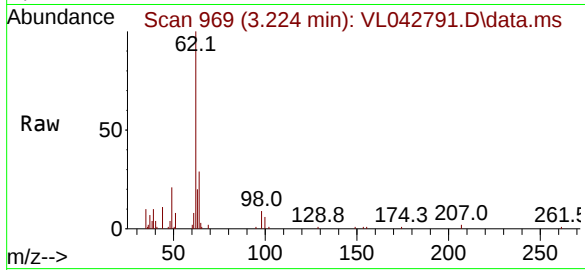
AE073-1100

Tgt Ion: 62 Resp: 7926

Ion Ratio Lower Upper

62 100

98 7.0 5.2 7.8



#39

1,2-Dichloropropane

Concen: 7.314 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.346 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

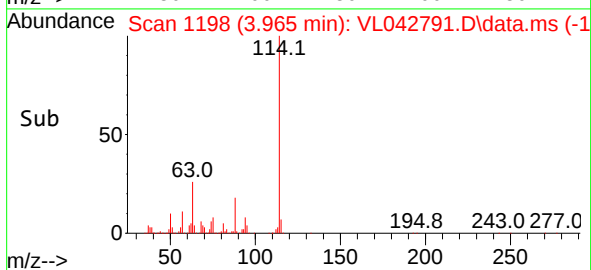
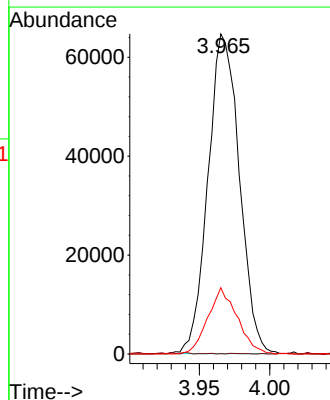
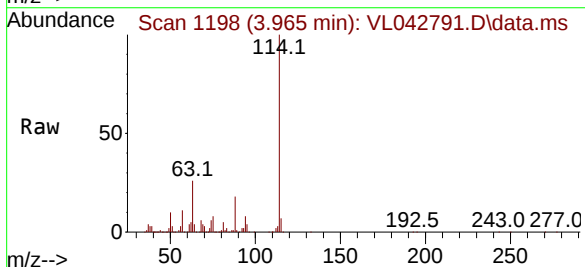
Tgt Ion: 63 Resp: 100143

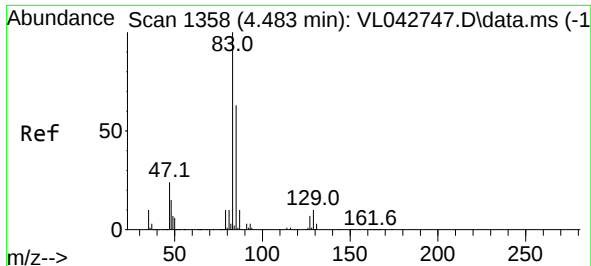
Ion Ratio Lower Upper

63 100

41 0.1 68.2 102.4#

62 20.5 52.0 78.0#

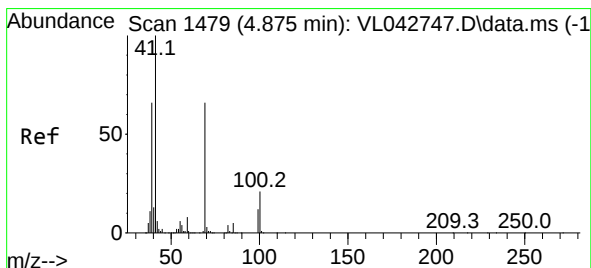
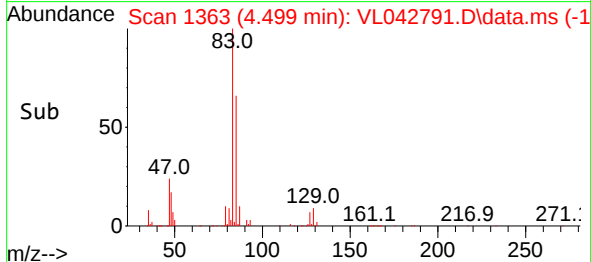
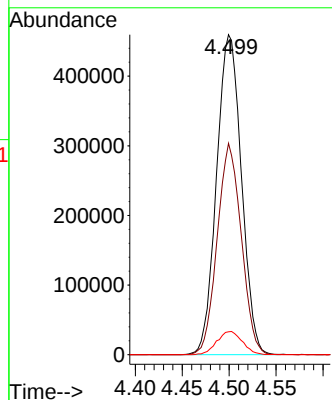
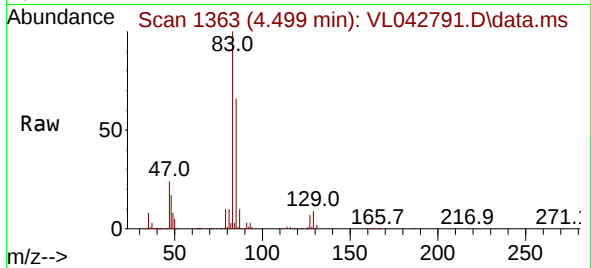




#42
Bromodichloromethane
Concen: 29.087 ppbv
RT: 4.499 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

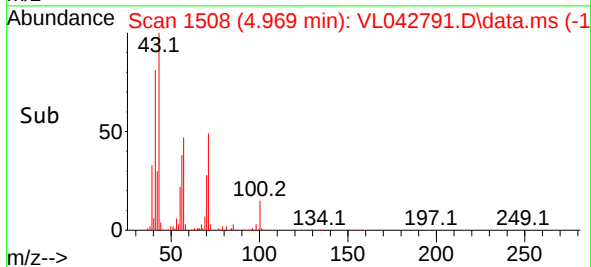
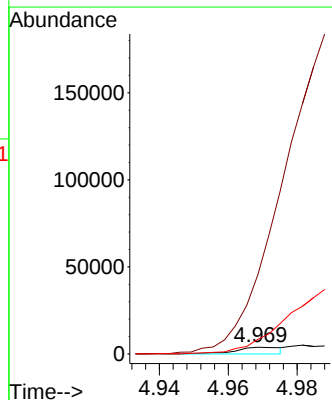
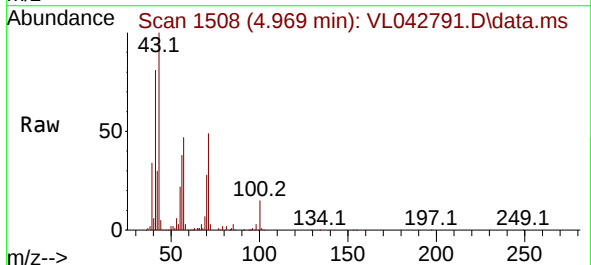
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

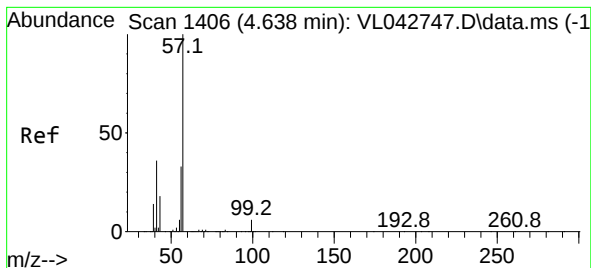
Tgt Ion: 83 Resp: 846413
Ion Ratio Lower Upper
83 100
85 66.0 50.2 75.4
127 7.2 5.4 8.2



#43
Methyl Methacrylate
Concen: 0.270 ppbv
RT: 4.969 min Scan# 1508
Delta R.T. 0.094 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 69 Resp: 3560
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5#
100 0.0 28.6 42.8#





#44

2,2,4-Trimethylpentane

Concen: 4.525 ppbv

RT: 4.991 min Scan# 11

Delta R.T. 0.353 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

AE073-1100

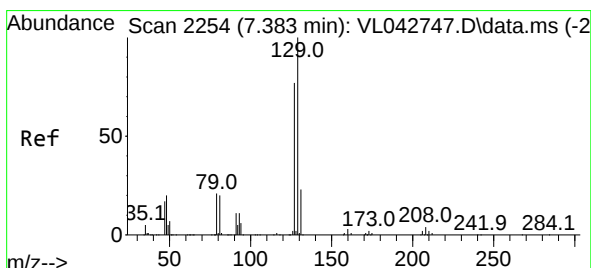
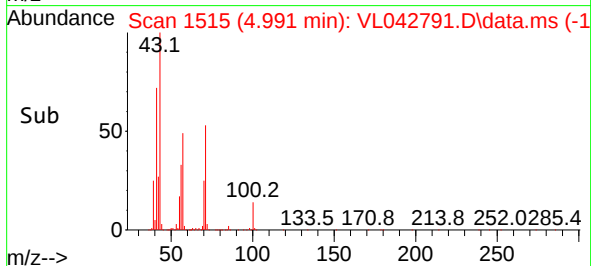
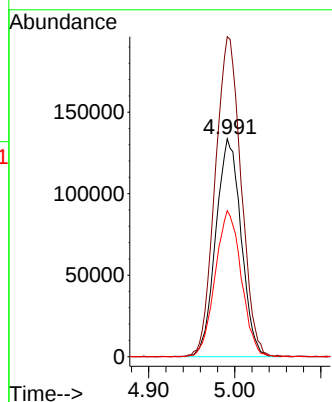
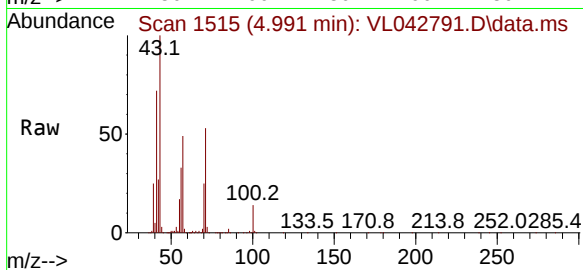
Tgt Ion: 57 Resp: 273531

Ion Ratio Lower Upper

57 100

41 150.2 28.3 42.5#

56 69.1 25.8 38.6#



#48

Dibromochloromethane

Concen: 0.082 ppbv

RT: 7.403 min Scan# 2260

Delta R.T. 0.019 min

Lab File: VL042791.D

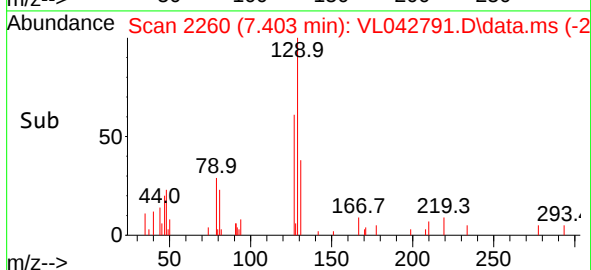
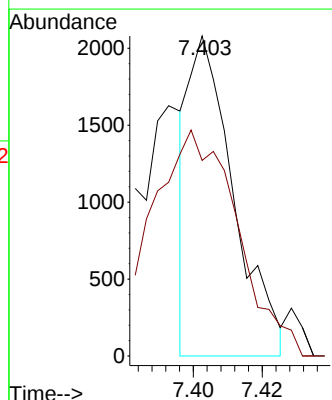
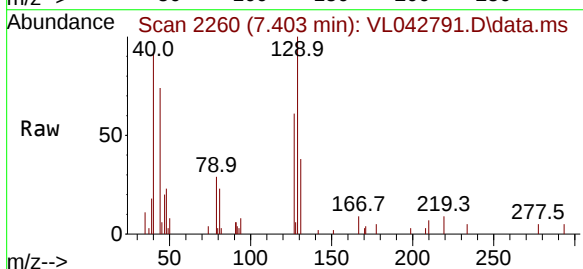
Acq: 31 Jul 2025 12:03

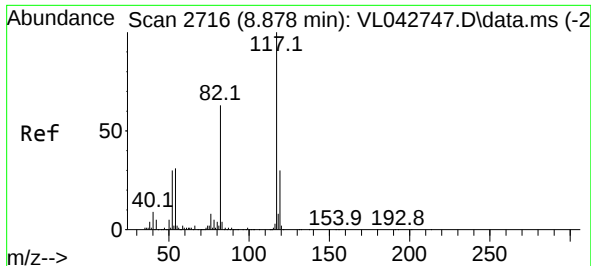
Tgt Ion: 129 Resp: 1892

Ion Ratio Lower Upper

129 100

127 137.4 38.7 116.1#

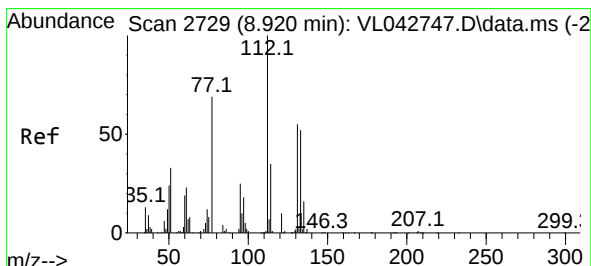
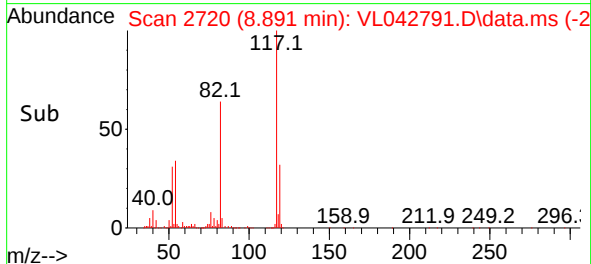
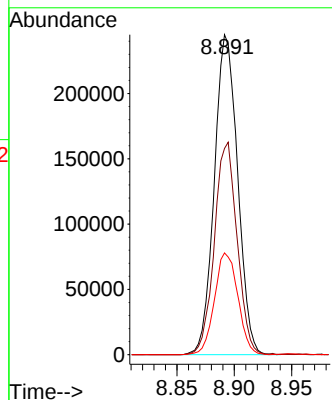
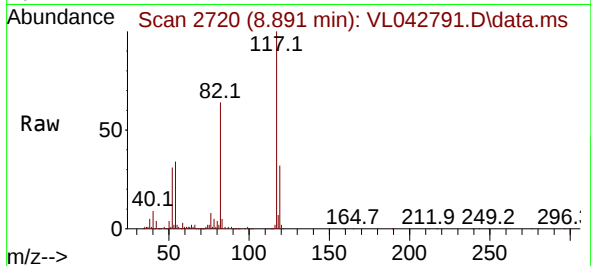




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2716
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

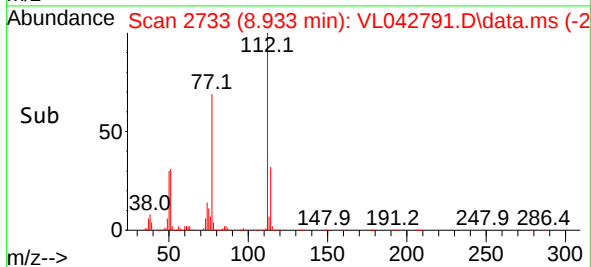
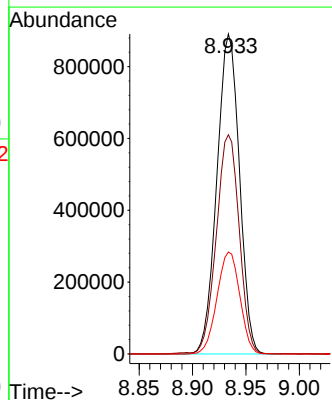
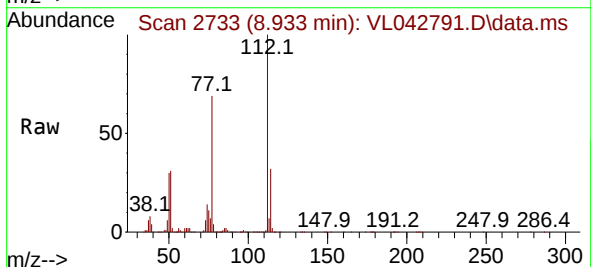
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

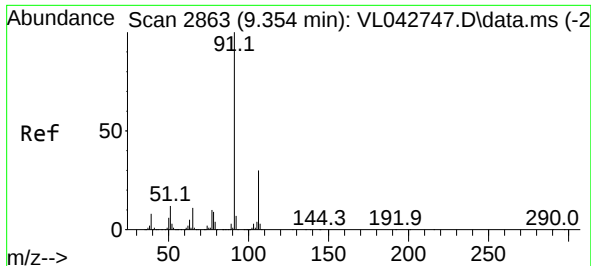
Tgt Ion:117 Resp: 346534
Ion Ratio Lower Upper
117 100
82 64.9 53.3 79.9
119 32.0 25.8 38.6



#57
Chlorobenzene
Concen: 39.019 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion:112 Resp: 1308615
Ion Ratio Lower Upper
112 100
77 68.4 56.4 84.6
114 31.8 31.2 38.2

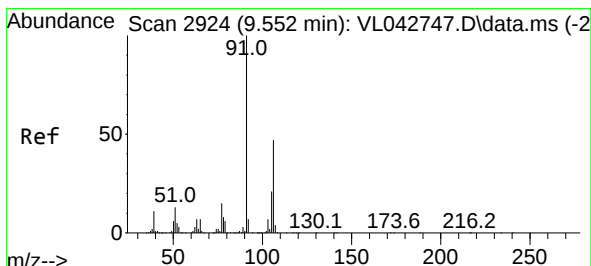
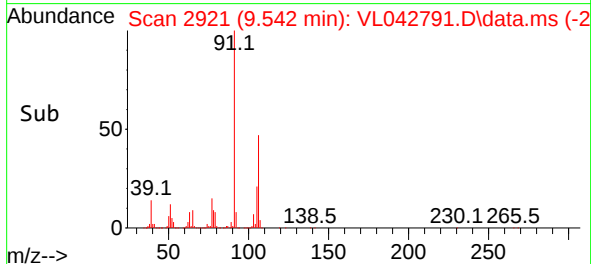
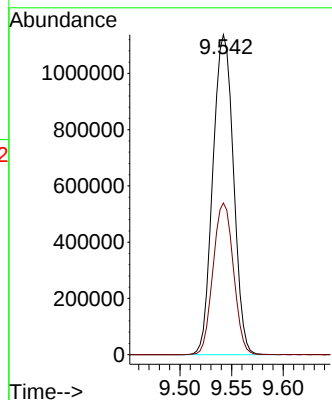
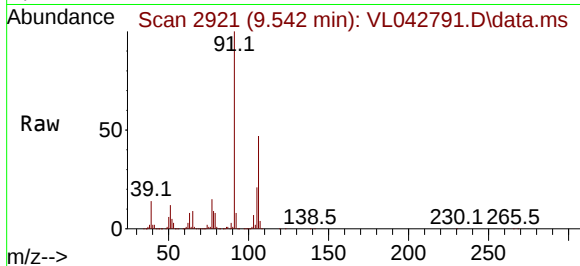




#58
Ethyl Benzene
Concen: 28.826 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.188 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

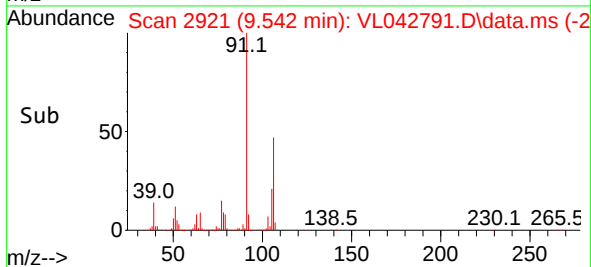
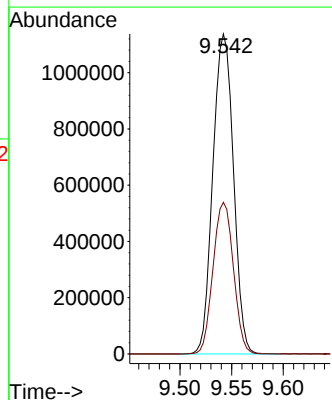
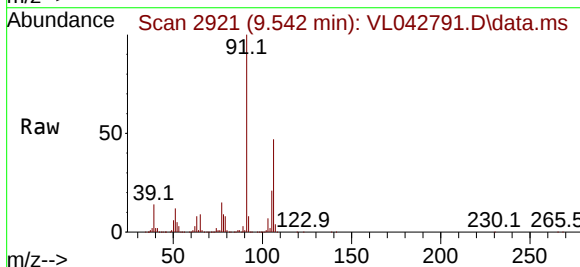
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

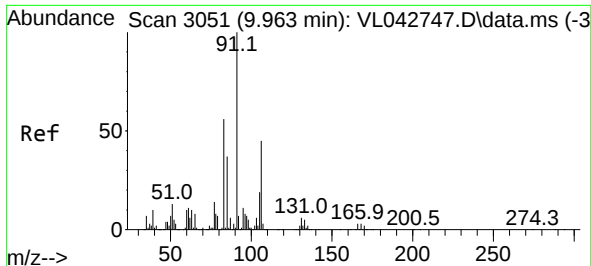
Tgt Ion: 91 Resp: 1577519
Ion Ratio Lower Upper
91 100
106 47.4 23.8 35.6#



#59
m/p-Xylene
Concen: 36.070 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. -0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 91 Resp: 1577519
Ion Ratio Lower Upper
91 100
106 46.9 37.4 56.2

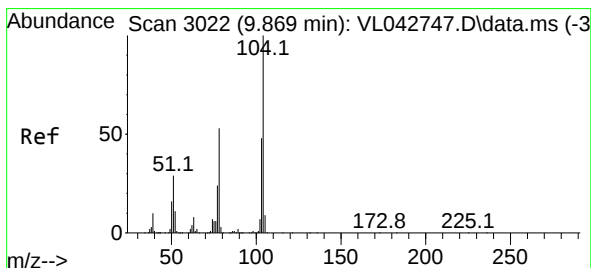
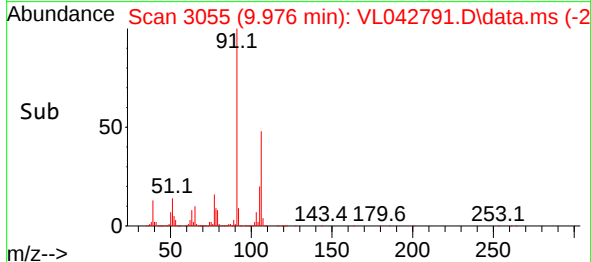
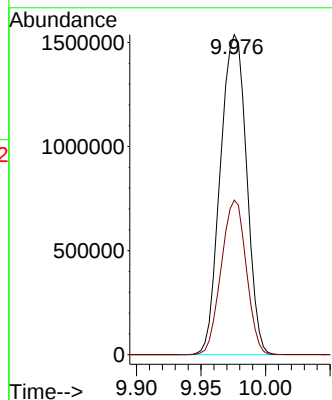
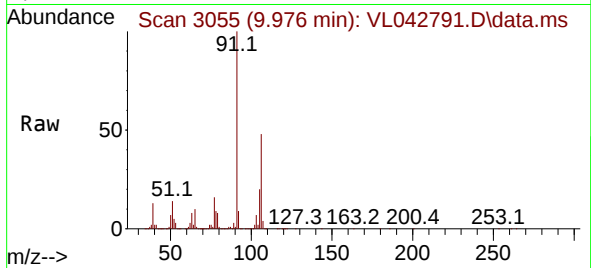




#60
o-Xylene
Concen: 49.739 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

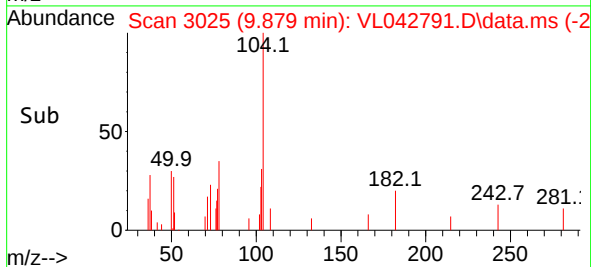
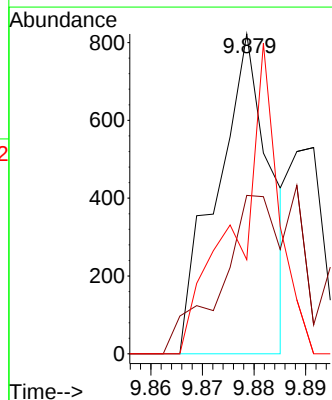
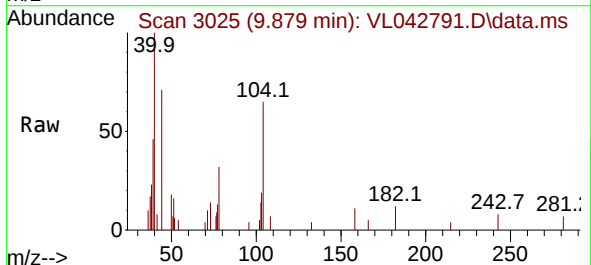
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

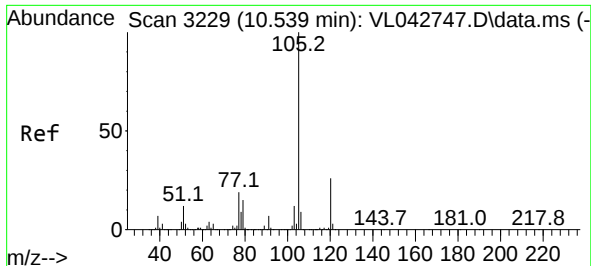
Tgt Ion: 91 Resp: 2173699
Ion Ratio Lower Upper
91 100
106 46.1 22.0 66.0



#61
Styrene
Concen: 0.032 ppbv
RT: 9.879 min Scan# 3025
Delta R.T. 0.010 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 104 Resp: 589
Ion Ratio Lower Upper
104 100
78 0.0 41.5 62.3#
103 0.0 37.5 56.3#

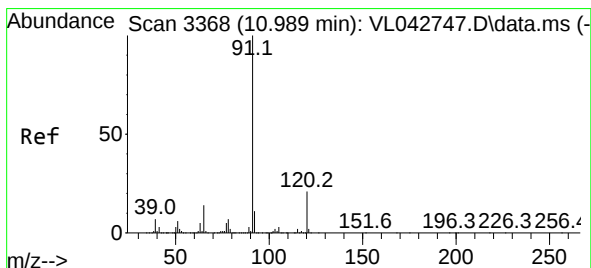
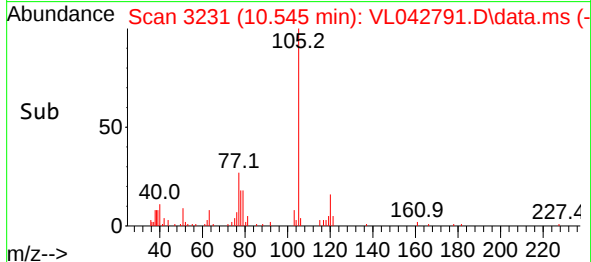
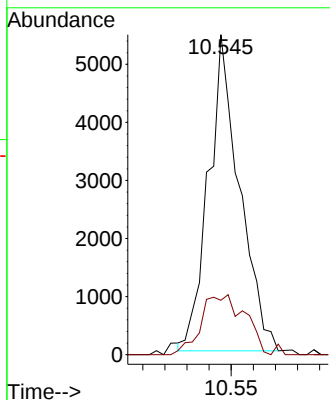
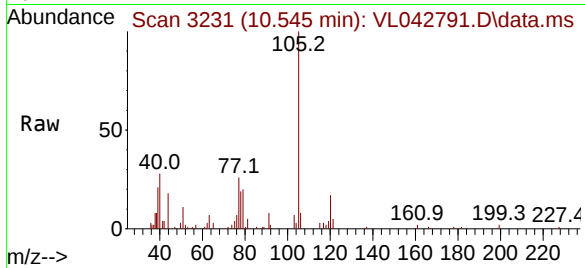




#62
Isopropylbenzene
Concen: 0.082 ppbv
RT: 10.545 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

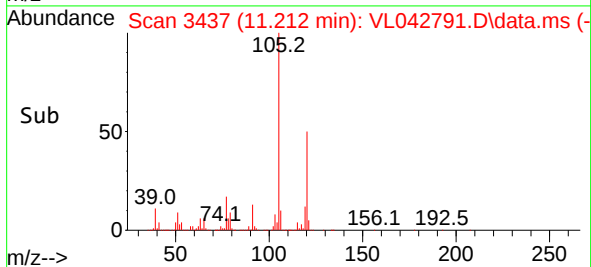
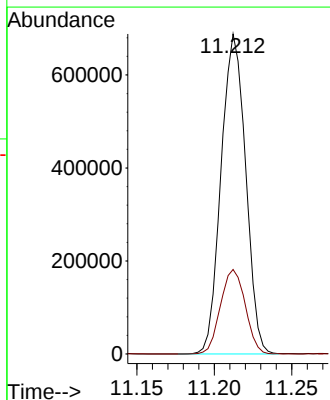
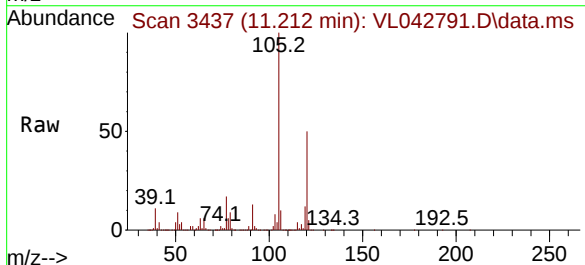
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

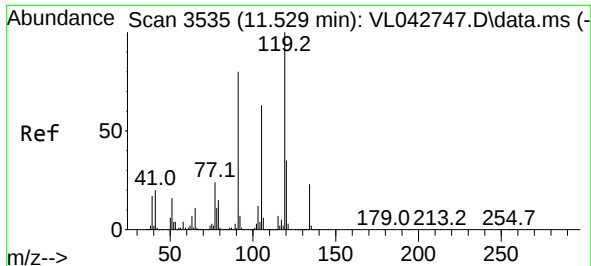
Tgt Ion:105 Resp: 5306
Ion Ratio Lower Upper
105 100
120 27.4 20.5 30.7



#64
n-propylbenzene
Concen: 45.193 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.223 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion:120 Resp: 759494
Ion Ratio Lower Upper
120 100
91 26.6 372.7 559.1#

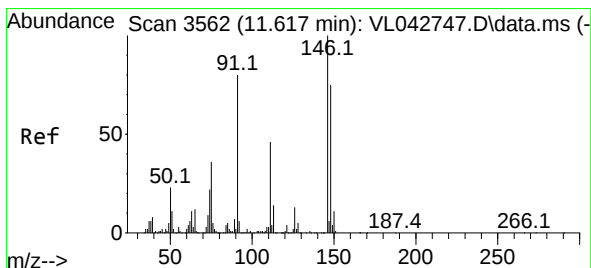
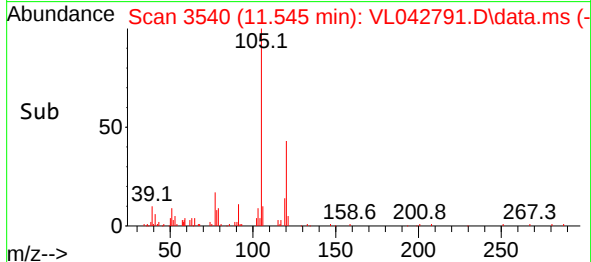
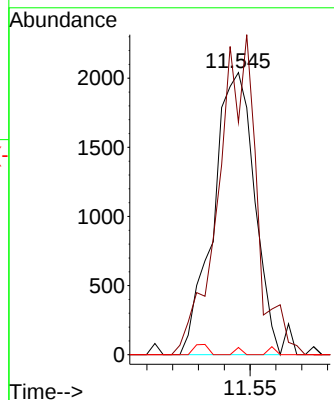
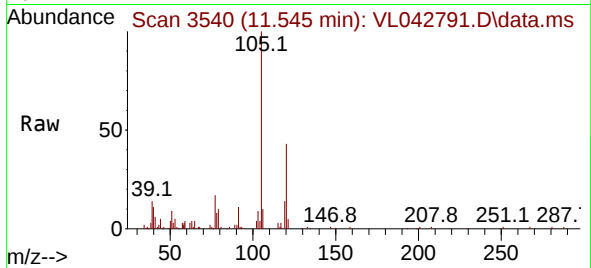




#65
tert-Butylbenzene
Concen: 0.039 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.016 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

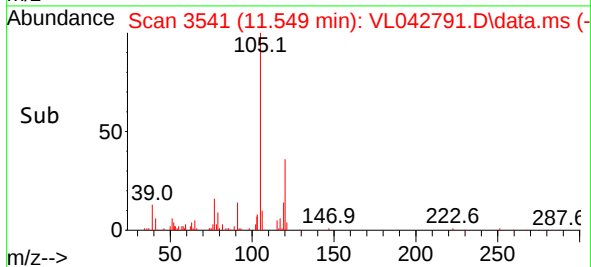
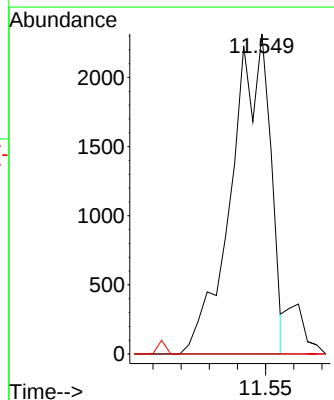
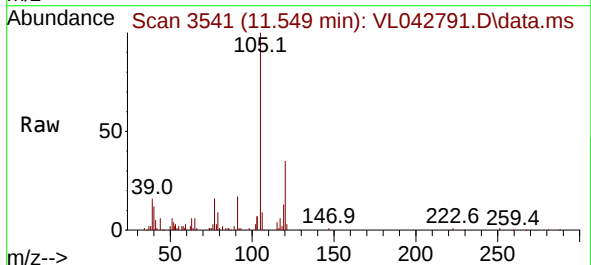
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

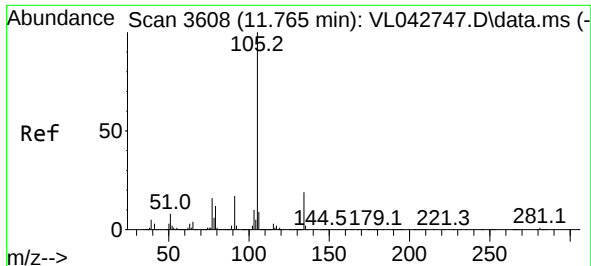
Tgt Ion:119 Resp: 2258
Ion Ratio Lower Upper
119 100
91 0.0 64.0 96.0#
134 1.7 17.3 25.9#



#66
Benzyl Chloride
Concen: 0.470 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.068 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion: 91 Resp: 2211
Ion Ratio Lower Upper
91 100
126 1.9 14.4 21.6#
128 0.9 5.2 7.8#

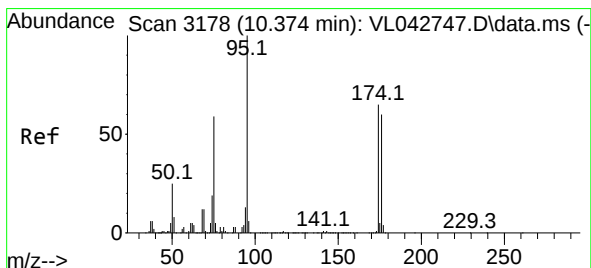
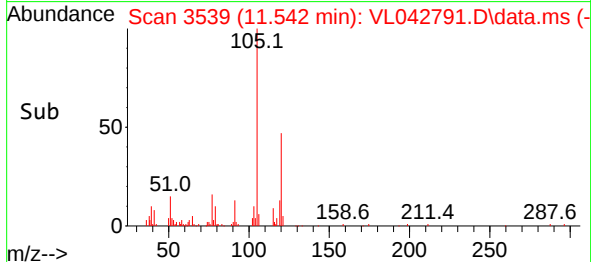
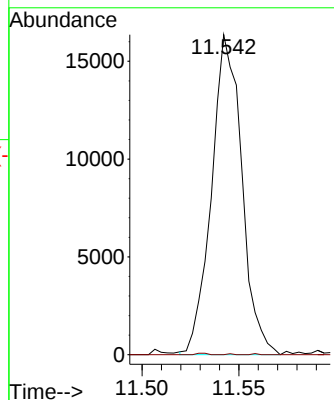
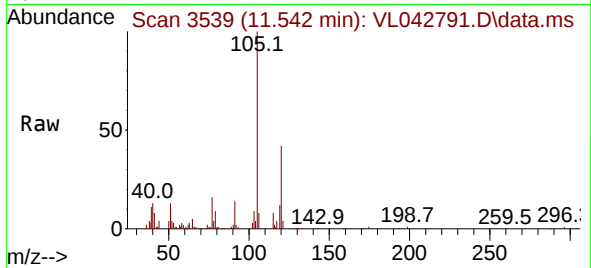




#67
 sec-Butylbenzene
 Concen: 0.218 ppbv
 RT: 11.542 min Scan# 3181
 Delta R.T. -0.223 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

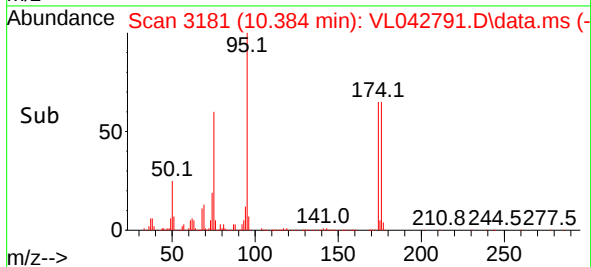
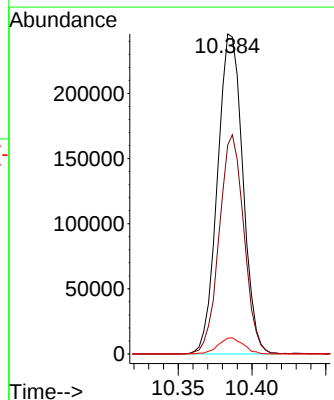
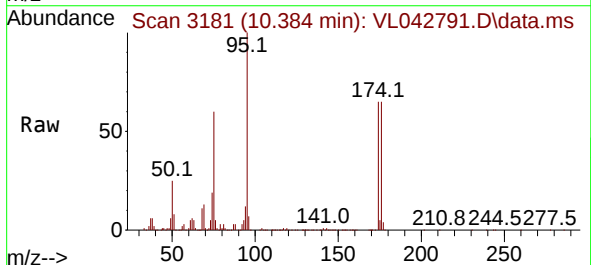
Instrument :
 MSVOA_L
 ClientSampleId :
 AE073-1100

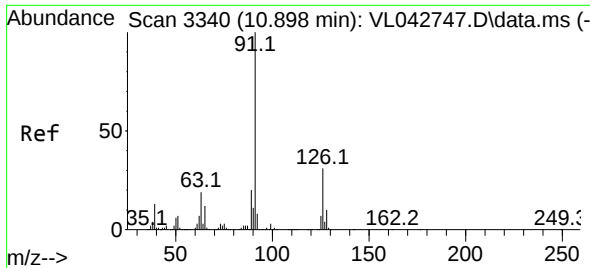
Tgt Ion:105 Resp: 17780
 Ion Ratio Lower Upper
 105 100
 134 0.3 15.5 23.3#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.705 ppbv
 RT: 10.384 min Scan# 3181
 Delta R.T. 0.010 min
 Lab File: VL042791.D
 Acq: 31 Jul 2025 12:03

Tgt Ion: 95 Resp: 293791
 Ion Ratio Lower Upper
 95 100
 174 66.9 53.8 80.6
 175 5.0 4.0 6.0

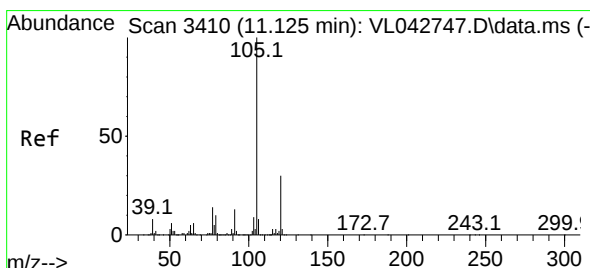
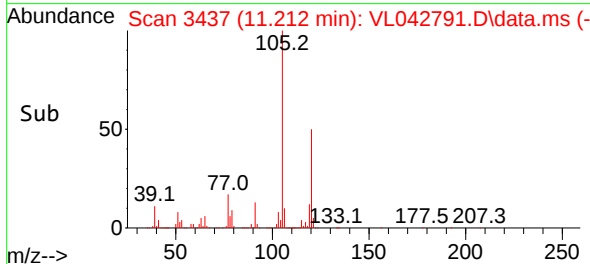
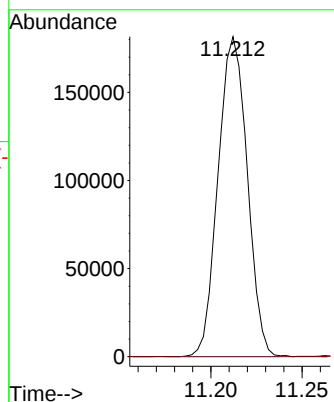
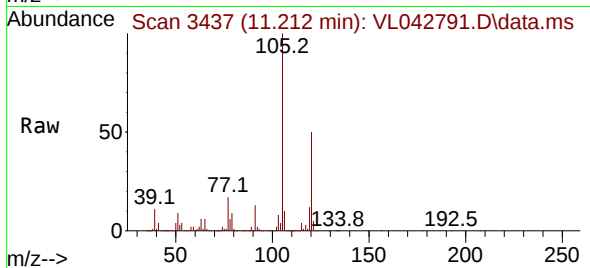




#71
2-Chlorotoluene
Concen: 4.086 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.314 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

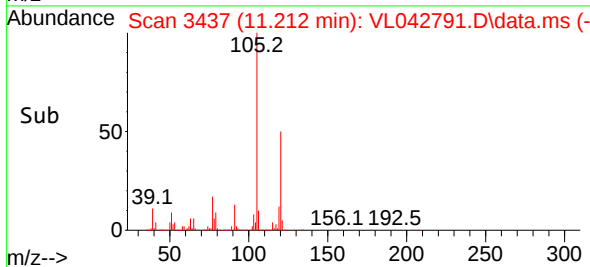
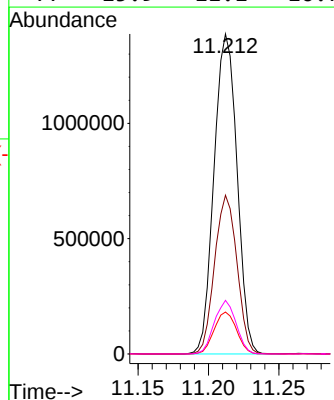
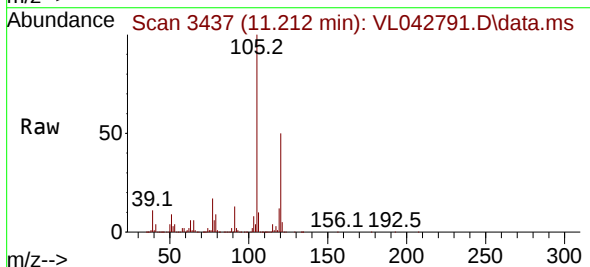
Instrument :
MSVOA_1
ClientSampleId :
AE073-1100

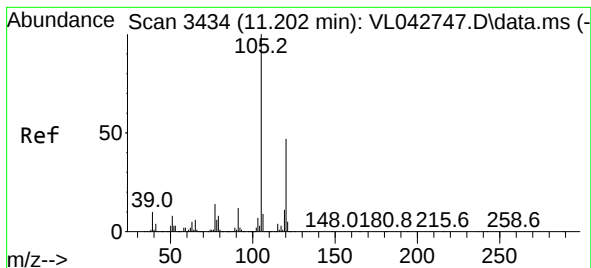
Tgt Ion: 91 Resp: 201987
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 30.225 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.087 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion:105 Resp: 1577511
Ion Ratio Lower Upper
105 100
120 48.2 24.4 36.6#
91 12.8 10.6 15.8
77 15.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 36.711 ppbv

RT: 11.212 min Scan# 3434

Delta R.T. 0.010 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Instrument :

MSVOA_L

ClientSampleId :

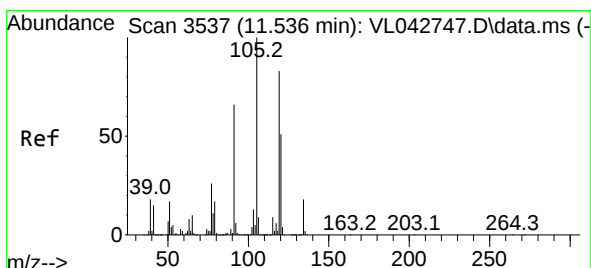
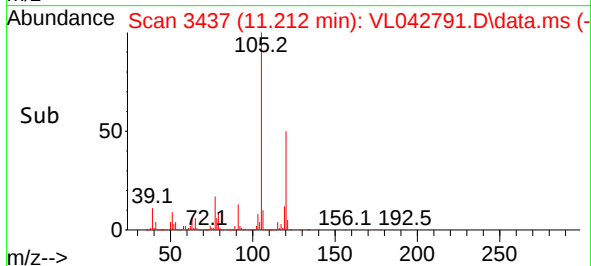
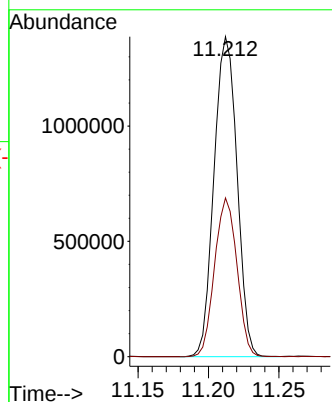
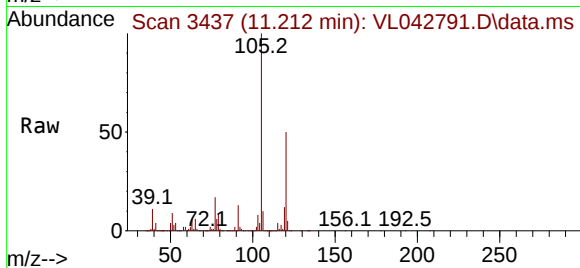
AE073-1100

Tgt Ion:105 Resp: 1577511

Ion Ratio Lower Upper

105 100

120 49.6 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.379 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Tgt Ion:105 Resp: 17780

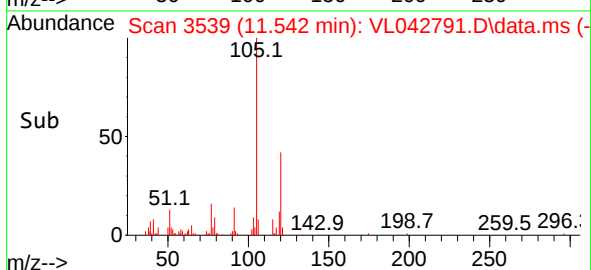
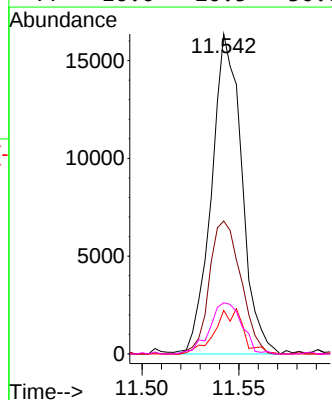
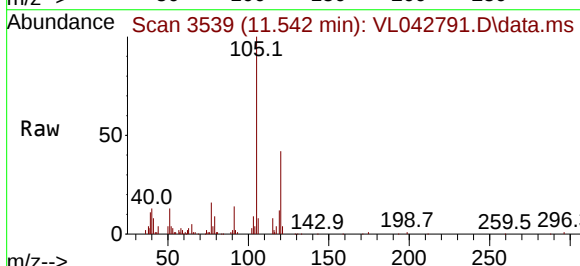
Ion Ratio Lower Upper

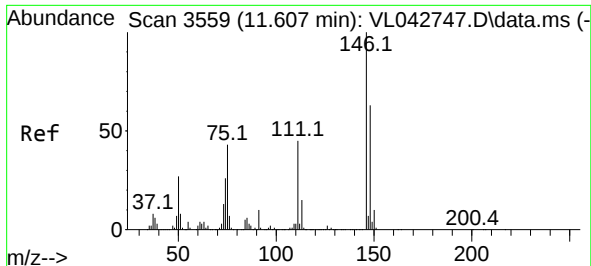
105 100

120 41.5 40.8 61.2

91 13.6 53.0 79.4#

77 16.0 20.5 30.7#

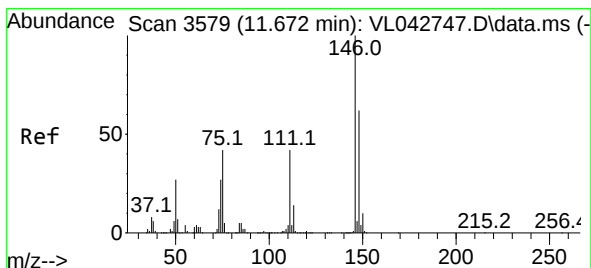
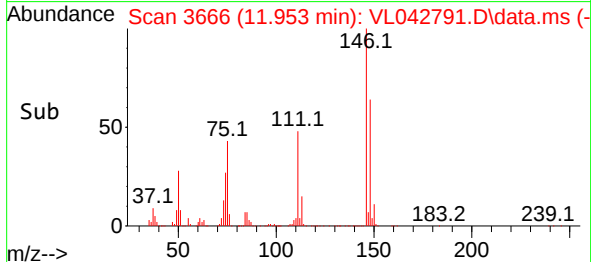
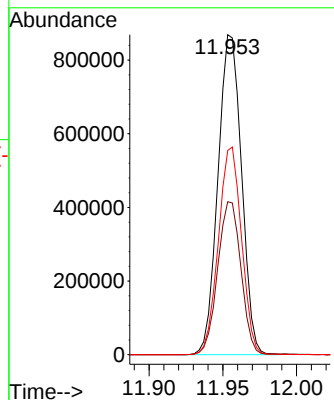
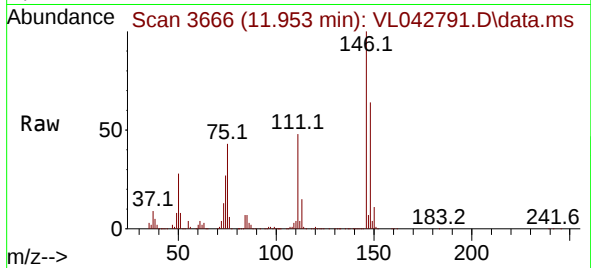




#75
1,3-Dichlorobenzene
Concen: 29.412 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.346 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

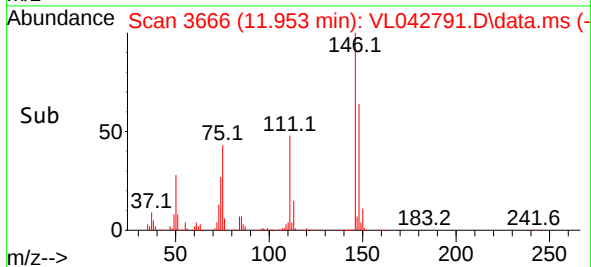
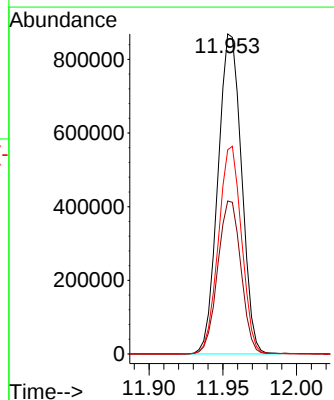
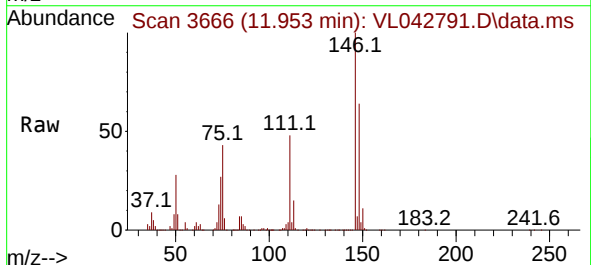
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

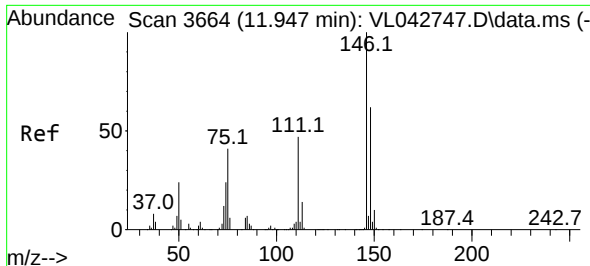
Tgt Ion:146 Resp: 966653
Ion Ratio Lower Upper
146 100
111 47.2 22.7 68.0
148 63.8 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 30.057 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.282 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion:146 Resp: 966653
Ion Ratio Lower Upper
146 100
111 47.2 21.4 64.2
148 63.8 32.1 96.3

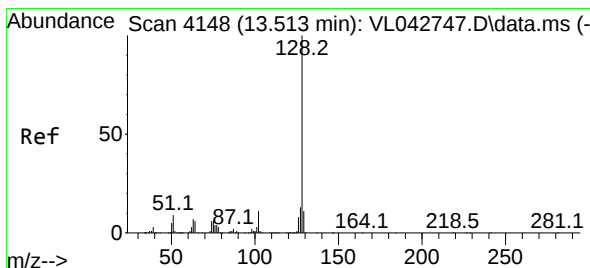
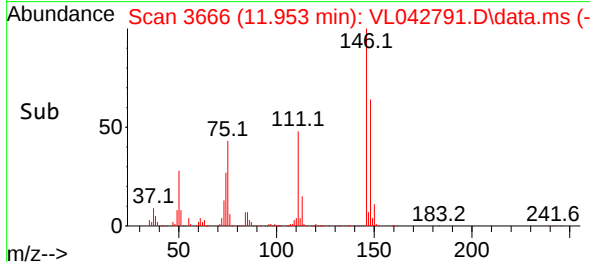
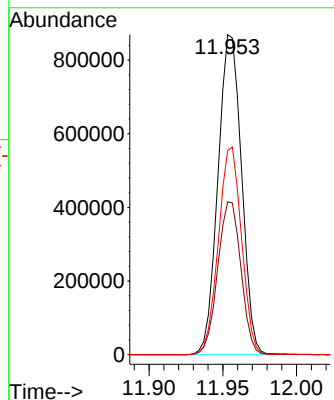
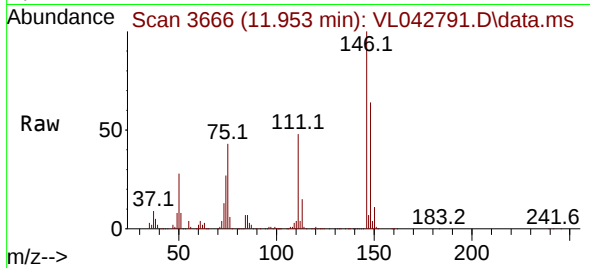




#77
1,2-Dichlorobenzene
Concen: 29.926 ppbv
RT: 11.953 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

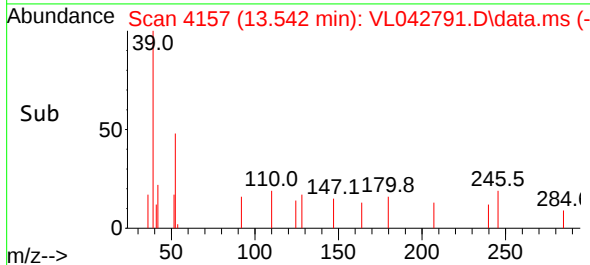
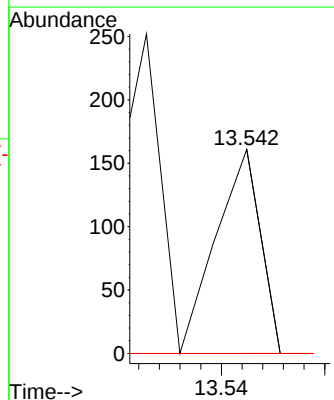
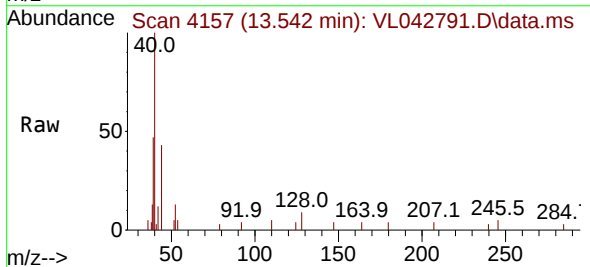
Instrument :
MSVOA_L
ClientSampleId :
AE073-1100

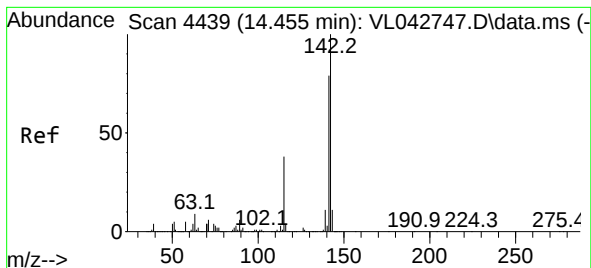
Tgt Ion:146 Resp: 966653
Ion Ratio Lower Upper
146 100
111 47.2 23.7 71.1
148 63.8 32.6 97.7



#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.542 min Scan# 4157
Delta R.T. 0.029 min
Lab File: VL042791.D
Acq: 31 Jul 2025 12:03

Tgt Ion:128 Resp: 48
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#





#80

Naphthalene, 2-methyl-

Concen: 1.131 ppbv

RT: 14.507 min Scan# 4439

Delta R.T. 0.052 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

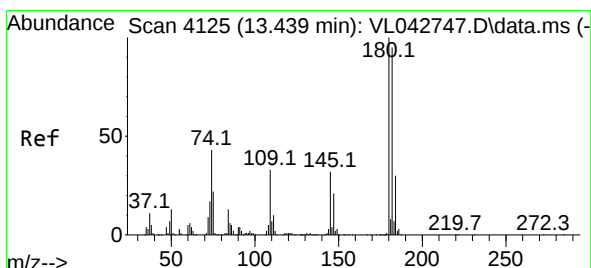
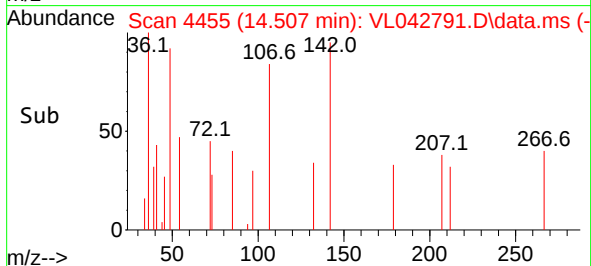
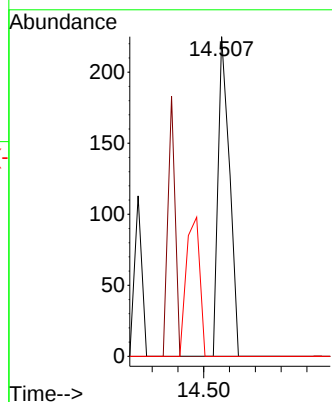
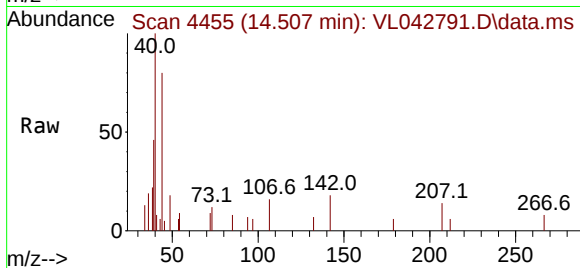
Instrument :

MSVOA_L

ClientSampleId :

AE073-1100

Tgt Ion:	142	Resp:	68
Ion Ratio	Lower	Upper	
142	100		
141	0.0	65.8	98.8#
115	16.2	31.2	46.8#



#81

1,2,4-Trichlorobenzene

Concen: 0.621 ppbv

RT: 13.449 min Scan# 4128

Delta R.T. 0.010 min

Lab File: VL042791.D

Acq: 31 Jul 2025 12:03

Tgt Ion:	180	Resp:	5549
Ion Ratio	Lower	Upper	
180	100		
182	106.5	76.2	114.2
184	31.5	24.8	37.2

