

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041508.D
 Acq On : 8 Aug 2024 11:41
 Operator : SY/MD
 Sample : P3454-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL

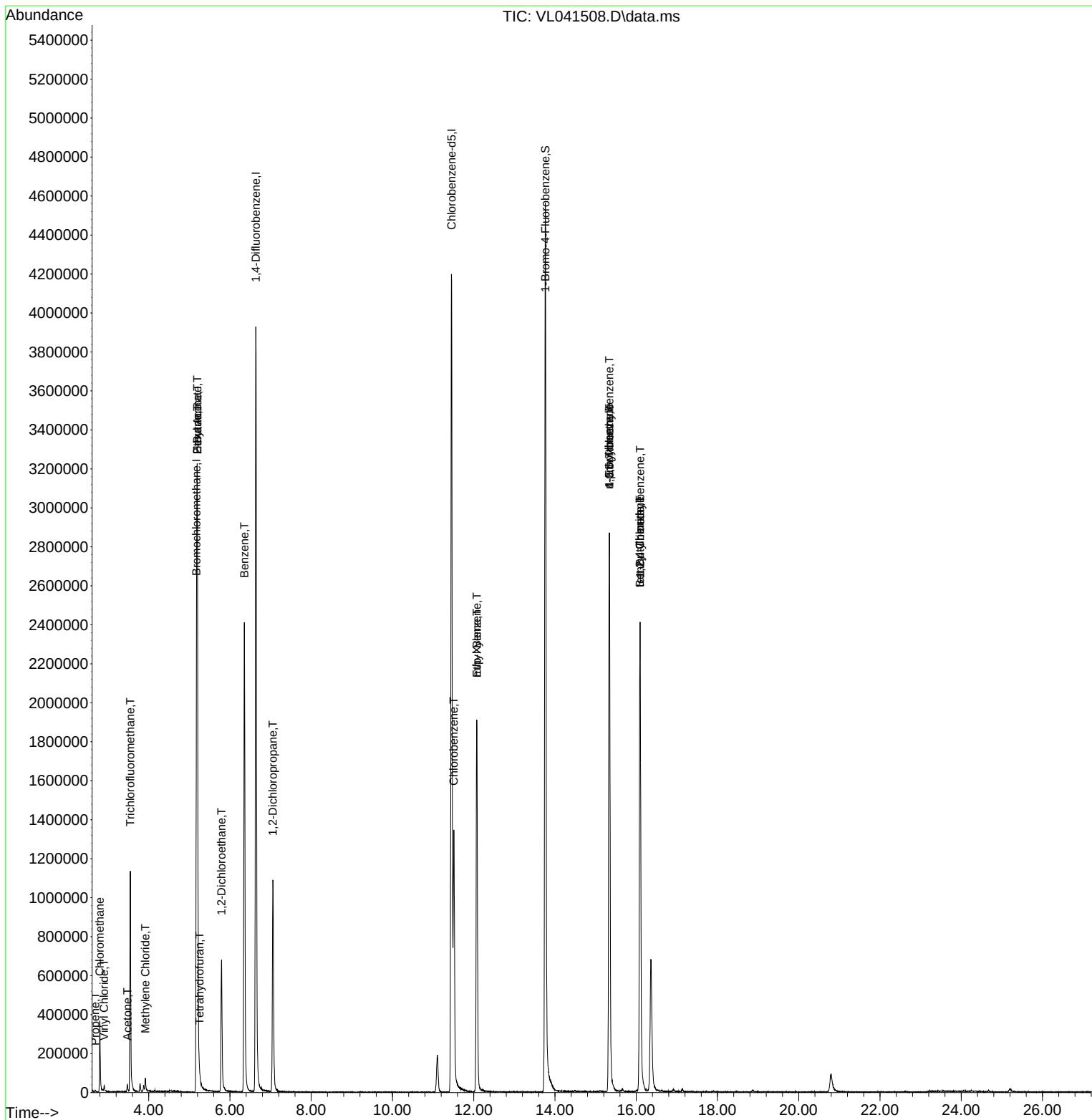
Quant Time: Aug 09 05:53:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

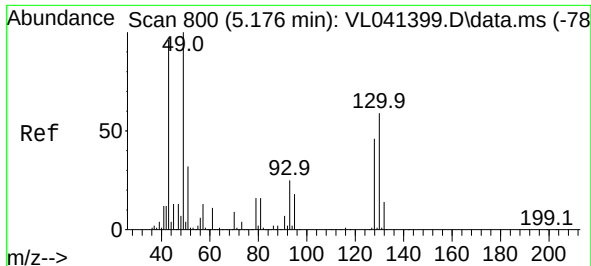
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1093918	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	2968543	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2764278	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2200195	10.343	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.400%	
Target Compounds						
					Qvalue	
4) Chloromethane	2.796	50	295465	4.266	ppbv	98
5) Vinyl Chloride	2.902	62	23270	0.341	ppbv	91
9) Propene	2.684	41	2919	0.049	ppbv	83
11) Trichlorofluoromethane	3.546	101	732015	4.380	ppbv	98
15) Acetone	3.475	43	23978	0.193	ppbv #	81
20) Methylene Chloride	3.918	84	20323	0.438	ppbv	88
25) Ethyl Acetate	5.198	43	694053	2.811	ppbv #	75
26) Hexane	5.198	57	992836	9.693	ppbv #	37
34) 2-Butanone	5.198	43	689704	4.803	ppbv #	54
36) Benzene	6.356	78	2022211	9.323	ppbv	100
37) 1,2-Dichloroethane	5.793	62	586595	4.832	ppbv	100
39) 1,2-Dichloropropane	7.057	63	382718	4.609	ppbv	96
41) Tetrahydrofuran	5.253	42	4423	0.054	ppbv #	39
57) Chlorobenzene	11.510	112	813133	4.132	ppbv	99
58) Ethyl Benzene	12.076	91	1733818	5.442	ppbv	98
59) m/p-Xylene	12.076	91	1733818	6.304	ppbv #	78
64) n-propylbenzene	15.336	120	1074987	10.396	ppbv #	1
65) tert-Butylbenzene	16.092	119	224119	0.627	ppbv #	66
66) Benzyl Chloride	16.092	91	235553	10.280	ppbv #	66
72) 4-Ethyltoluene	15.339	105	2337633	7.631	ppbv #	82
73) 1,3,5-Trimethylbenzene	15.339	105	2337633	8.858	ppbv	98
74) 1,2,4-Trimethylbenzene	16.095	105	2031342	6.621	ppbv #	70

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

Quant Time: Aug 09 05:53:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

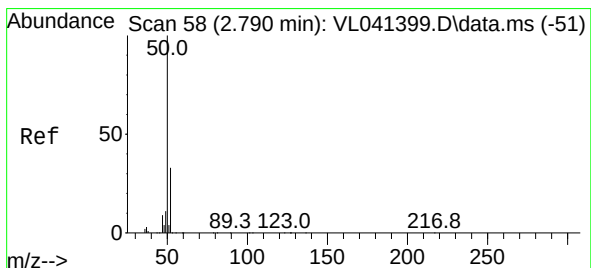
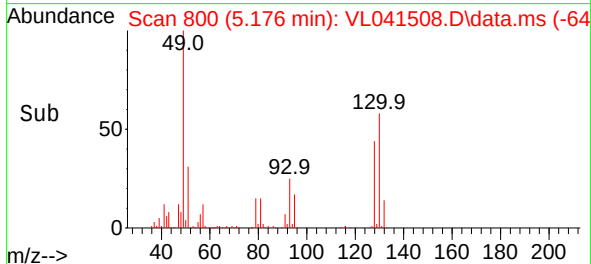
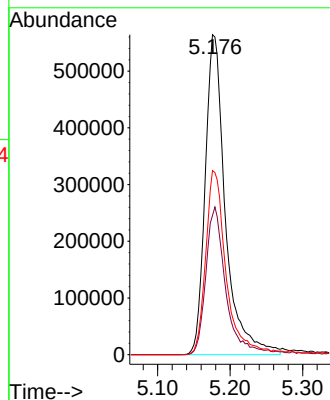
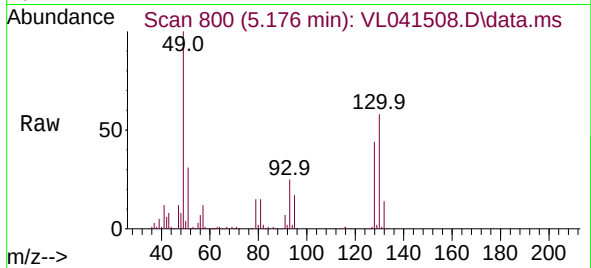




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

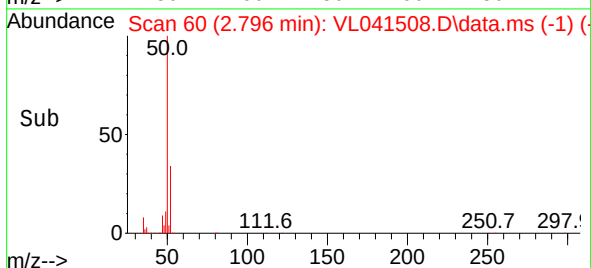
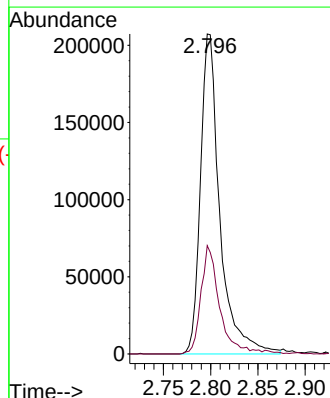
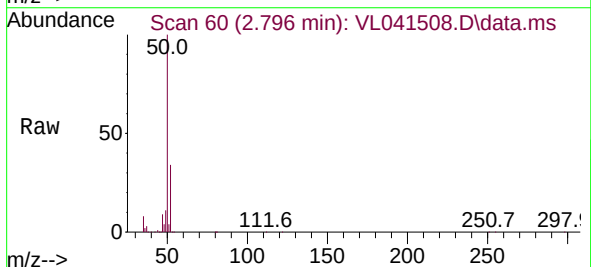
Instrument :
MSVOA_L
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E069-1100DL

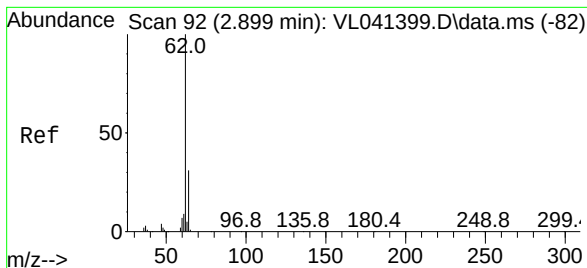
Tgt Ion: 49 Resp: 1093918
Ion Ratio Lower Upper
49 100
128 46.6 23.8 71.4
130 60.3 30.8 92.4



#4
Chloromethane
Concen: 4.266 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion: 50 Resp: 295465
Ion Ratio Lower Upper
50 100
52 33.9 26.1 39.1

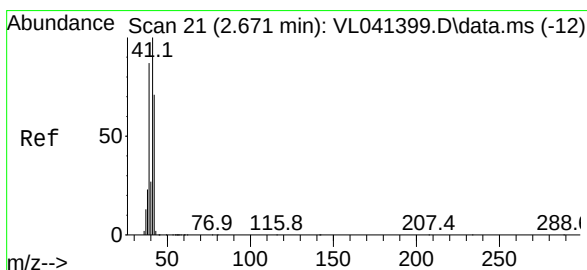
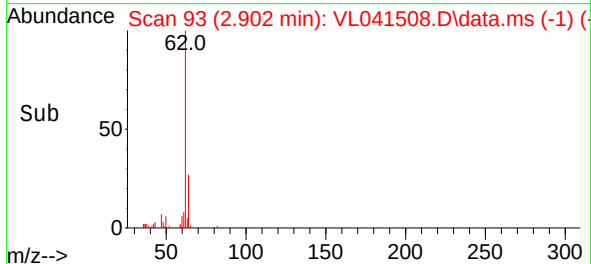
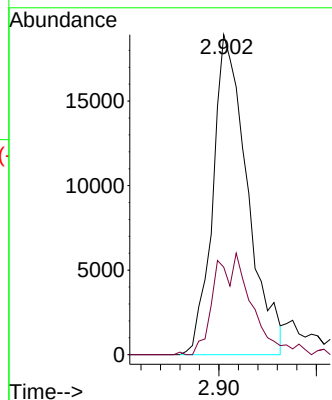
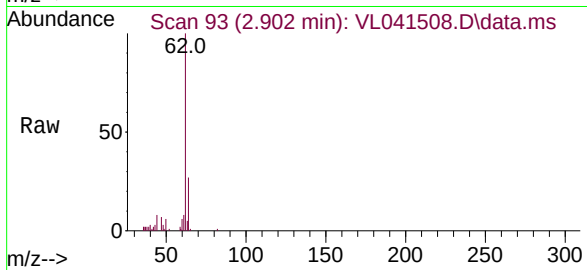




#5
Vinyl Chloride
Concen: 0.341 ppbv
RT: 2.902 min Scan# 91
Delta R.T. -0.019 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

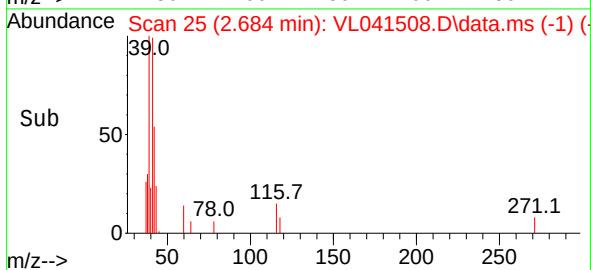
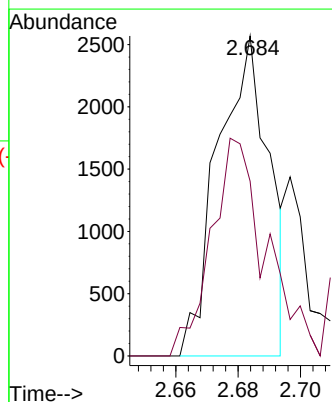
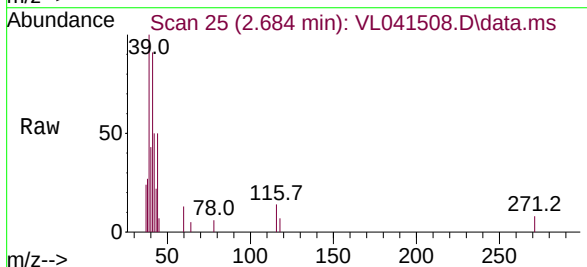
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

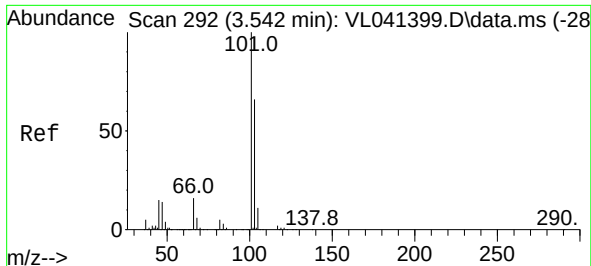
Tgt Ion: 62 Resp: 23270
Ion Ratio Lower Upper
62 100
64 26.5 25.0 37.4



#9
Propene
Concen: 0.049 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion: 41 Resp: 2919
Ion Ratio Lower Upper
41 100
42 83.5 55.9 83.9





#11

Trichlorofluoromethane

Concen: 4.380 ppbv

RT: 3.546 min Scan# 20

Delta R.T. -0.016 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_L

ClientSampleId :

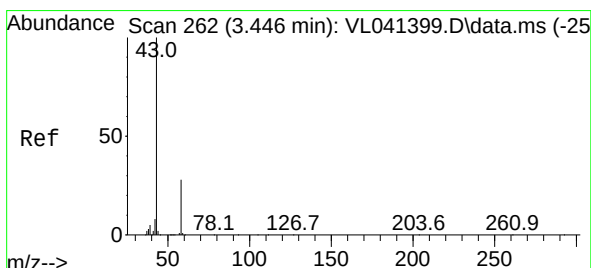
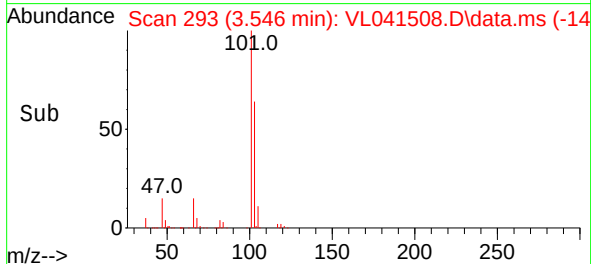
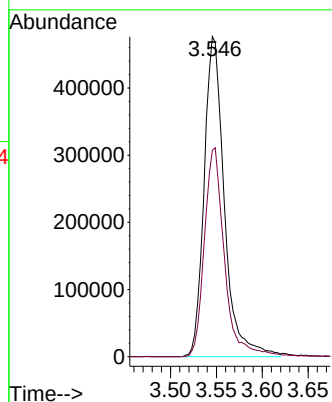
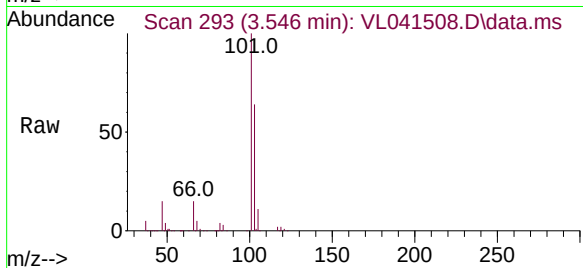
E069-1100DL

Tgt Ion:101 Resp: 732015

Ion Ratio Lower Upper

101 100

103 64.5 52.6 79.0



#15

Acetone

Concen: 0.193 ppbv

RT: 3.475 min Scan# 271

Delta R.T. 0.006 min

Lab File: VL041508.D

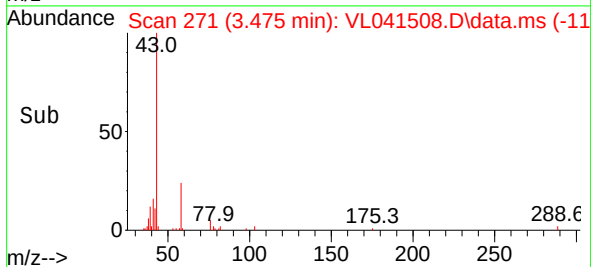
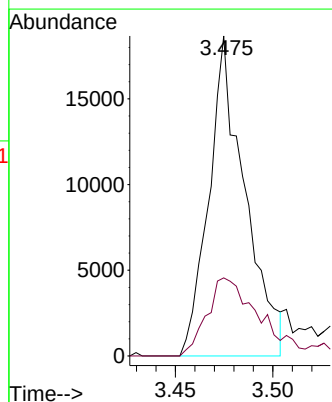
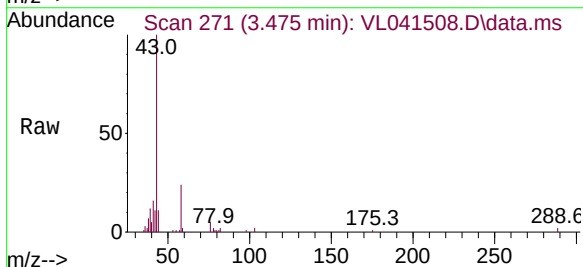
Acq: 8 Aug 2024 11:41

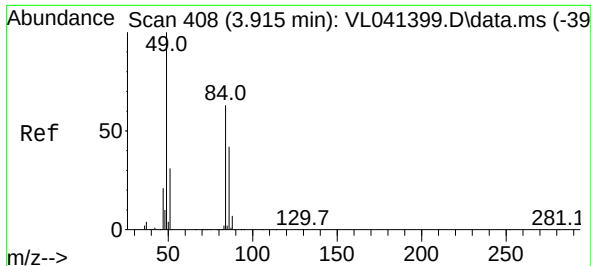
Tgt Ion: 43 Resp: 23978

Ion Ratio Lower Upper

43 100

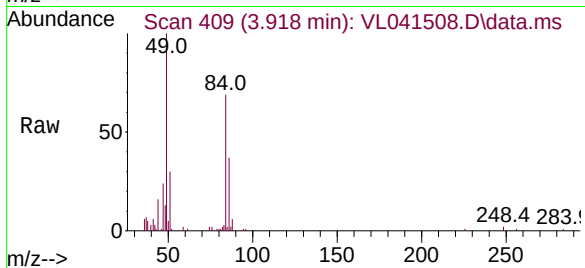
58 36.6 21.4 32.2#



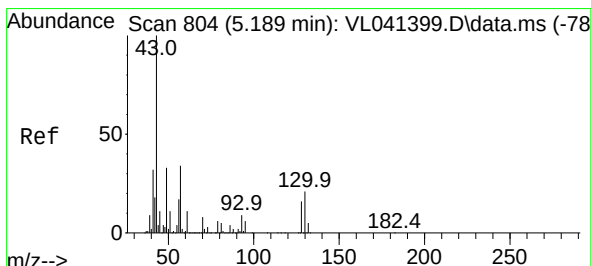
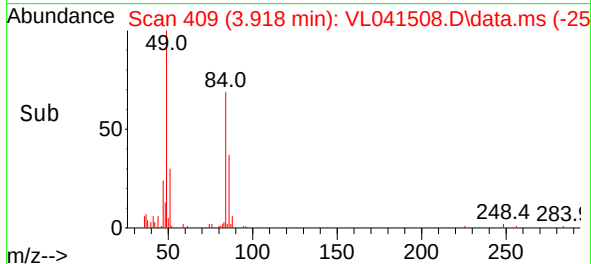
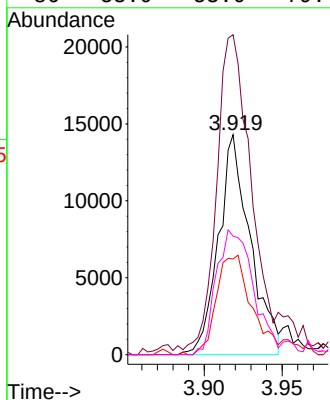


#20
Methylene Chloride
Concen: 0.438 ppbv
RT: 3.918 min Scan# 408
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

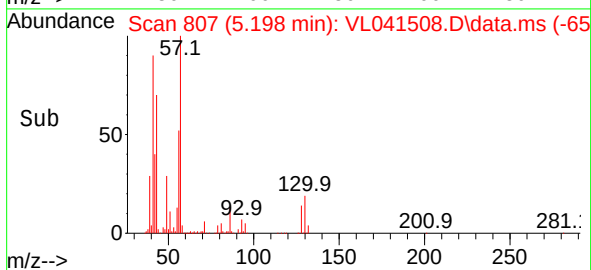
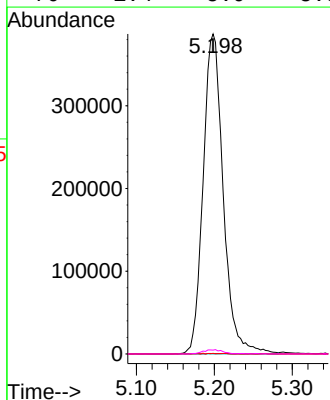
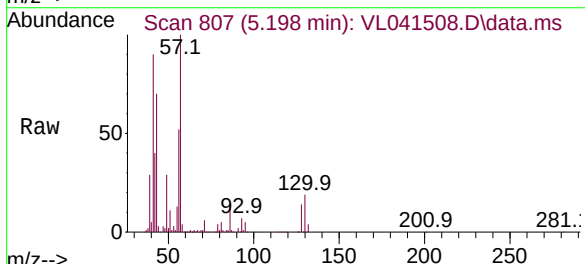


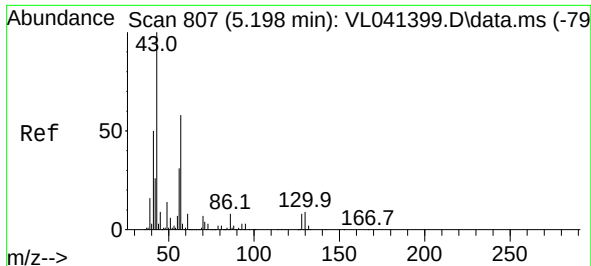
Tgt Ion:	84	Resp:	20323
Ion	Ratio	Lower	Upper
84	100		
49	141.5	126.6	190.0
51	43.5	38.6	58.0
86	53.9	53.0	79.4



#25
Ethyl Acetate
Concen: 2.811 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.003 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

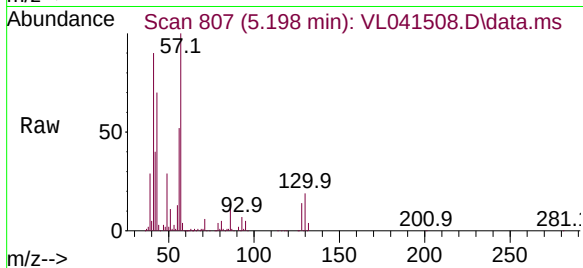
Tgt Ion:	43	Resp:	694053
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.5	12.7#
61	0.2	8.0	12.0#
70	1.4	5.9	8.9#



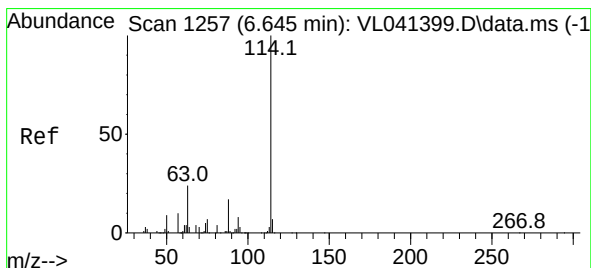
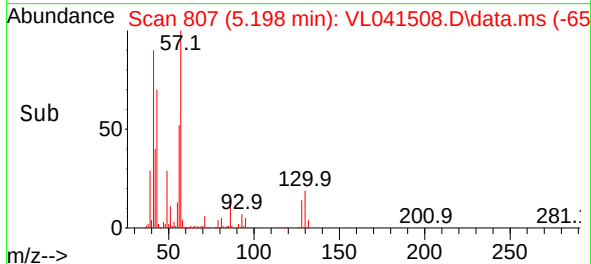
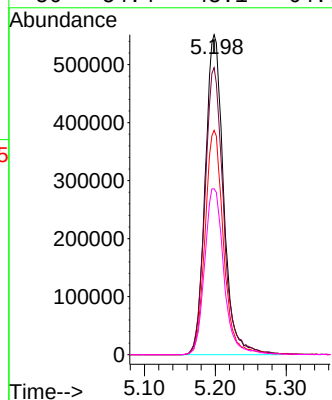


#26
Hexane
Concen: 9.693 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

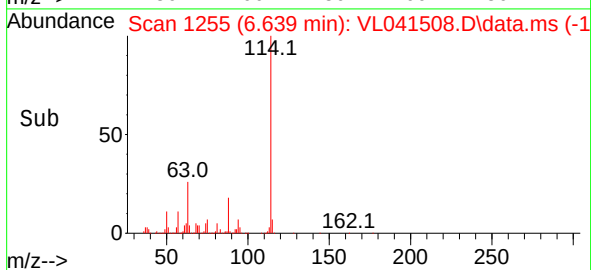
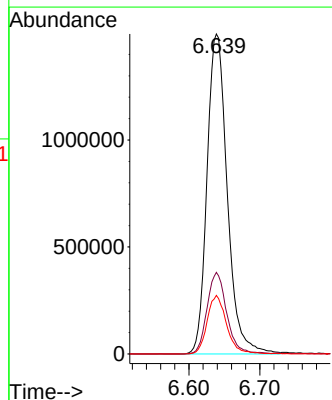
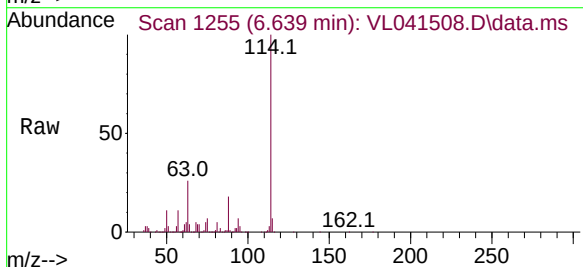


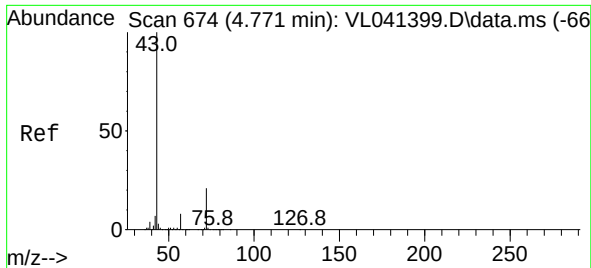
Tgt Ion:	57	Resp:	992836
Ion	Ratio	Lower	Upper
57	100		
41	91.4	74.0	111.0
43	70.3	193.6	290.4
56	54.4	43.1	64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.010 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion:	114	Resp:	2968543
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.3	30.5
88	17.7	14.3	21.5

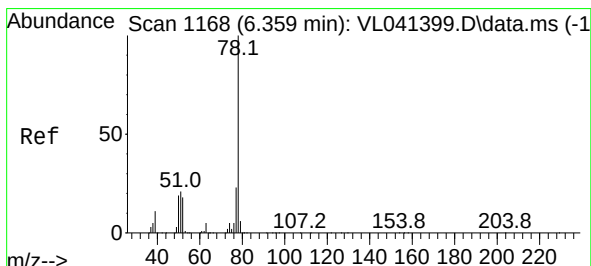
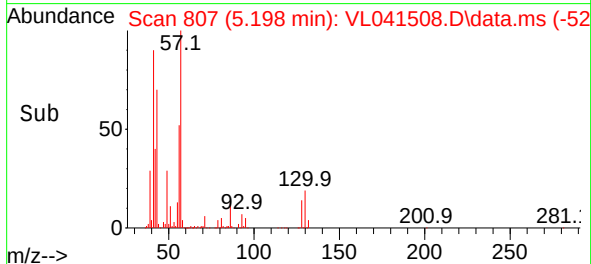
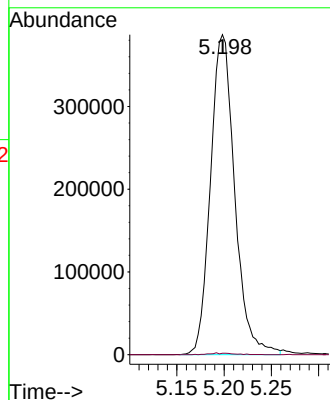
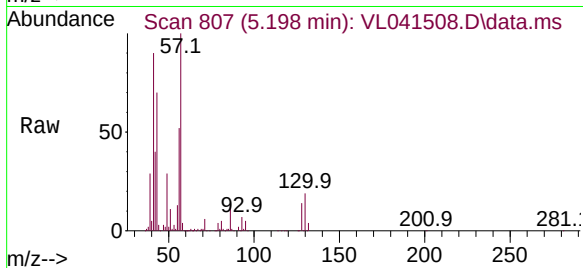




#34
2-Butanone
Concen: 4.803 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.415 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

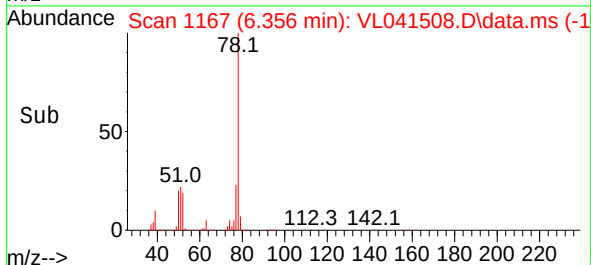
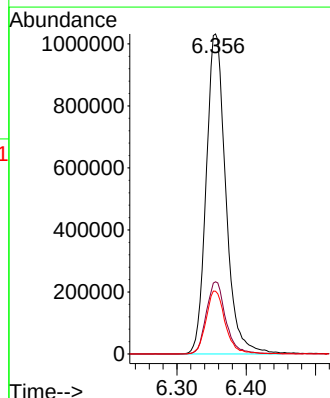
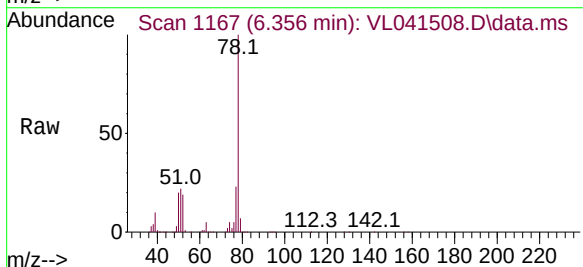
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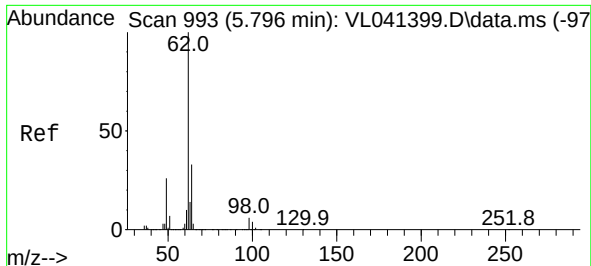
Tgt Ion: 43 Resp: 689704
Ion Ratio Lower Upper
43 100
72 0.0 17.3 25.9#



#36
Benzene
Concen: 9.323 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion: 78 Resp: 2022211
Ion Ratio Lower Upper
78 100
77 22.6 18.1 27.1
50 19.6 15.5 23.3

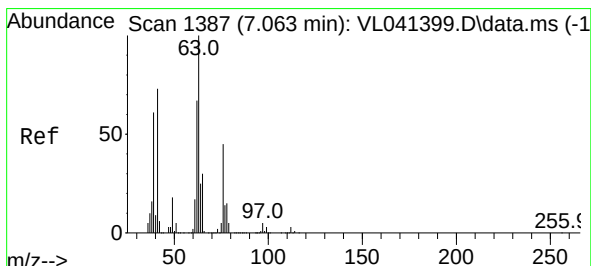
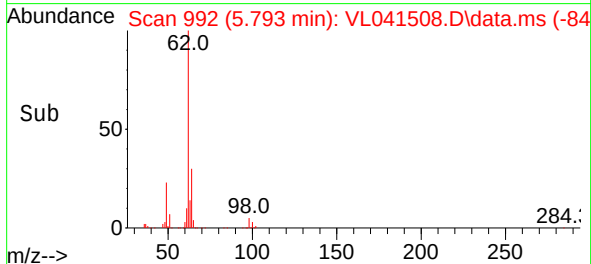
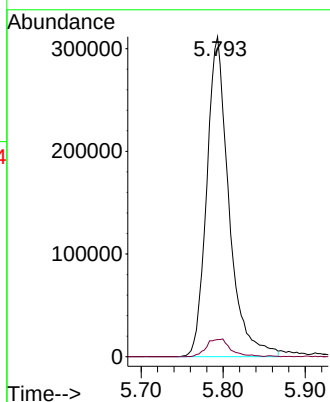
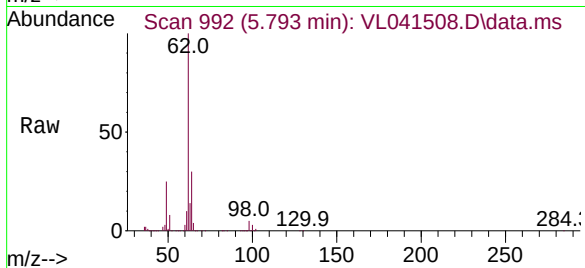




#37
1,2-Dichloroethane
Concen: 4.832 ppbv
RT: 5.793 min Scan# 993
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

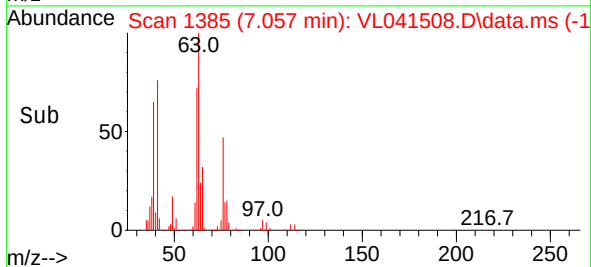
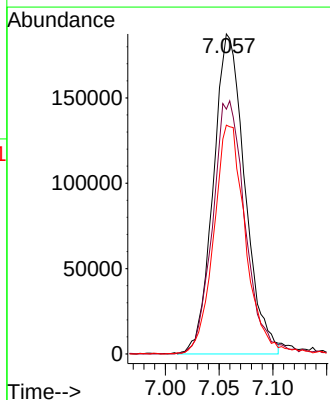
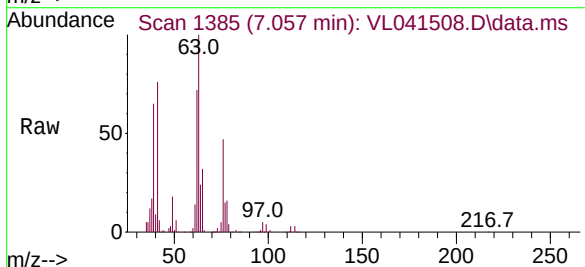
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

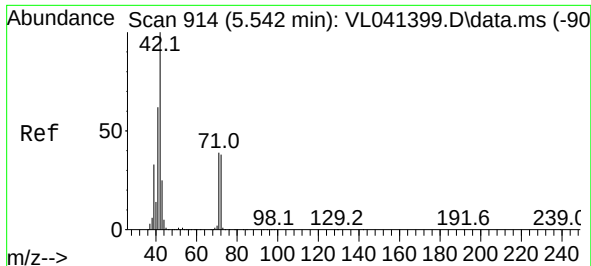
Tgt Ion: 62 Resp: 586595
Ion Ratio Lower Upper
62 100
98 6.1 5.0 7.4



#39
1,2-Dichloropropane
Concen: 4.609 ppbv
RT: 7.057 min Scan# 1385
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion: 63 Resp: 382718
Ion Ratio Lower Upper
63 100
41 76.2 58.3 87.5
62 71.2 53.9 80.9

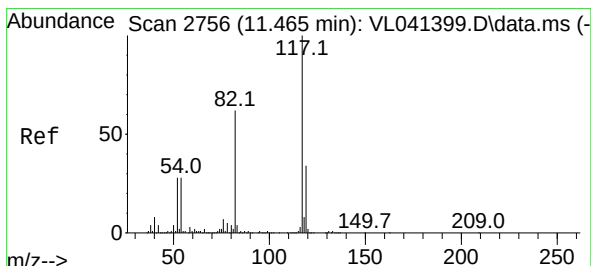
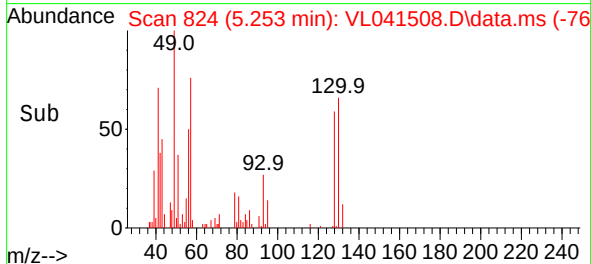
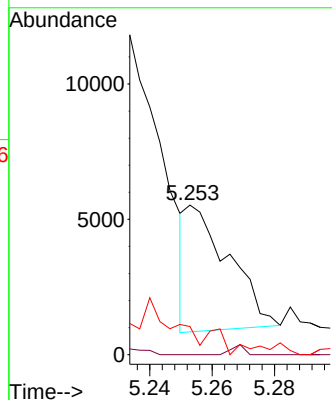
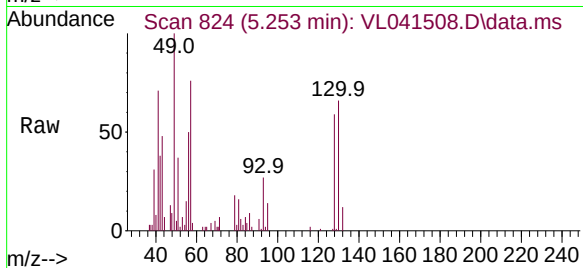




#41
Tetrahydrofuran
Concen: 0.054 ppbv
RT: 5.253 min Scan# 81
Delta R.T. -0.299 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

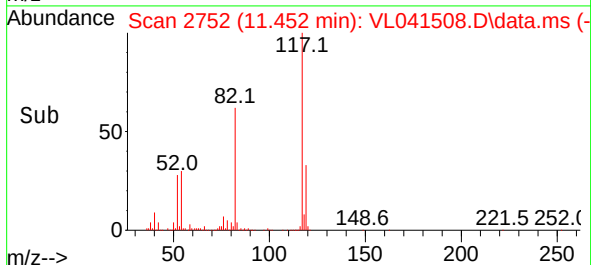
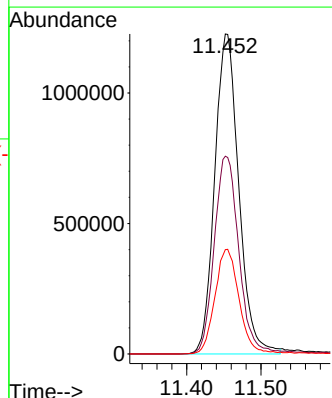
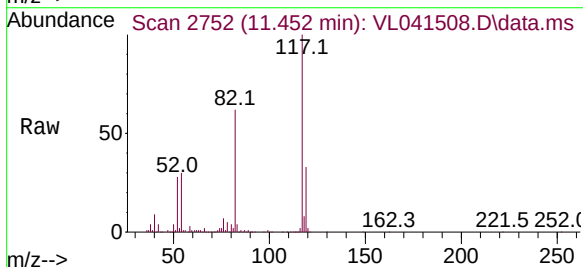
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

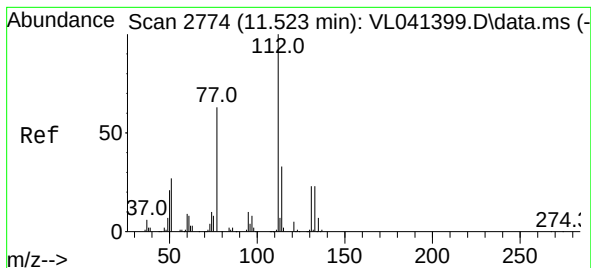
Tgt Ion: 42 Resp: 4423
Ion Ratio Lower Upper
42 100
72 2.4 31.2 46.8#
71 0.0 30.5 45.7#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.010 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion:117 Resp: 2764278
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 33.6 45.2 67.8#

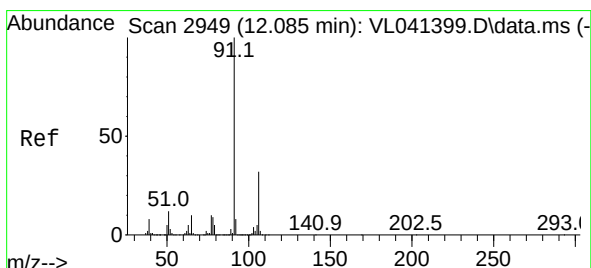
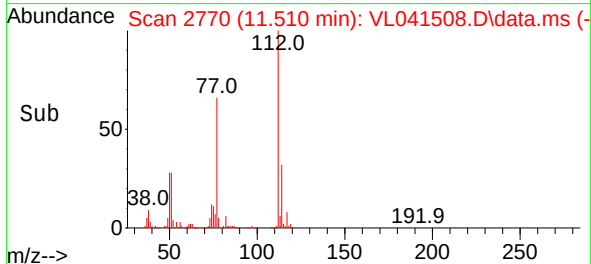
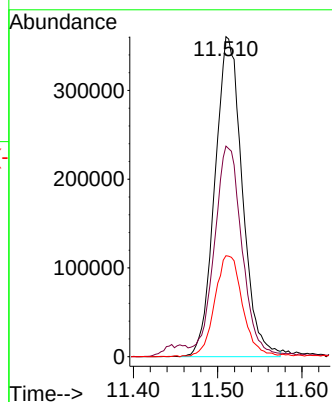
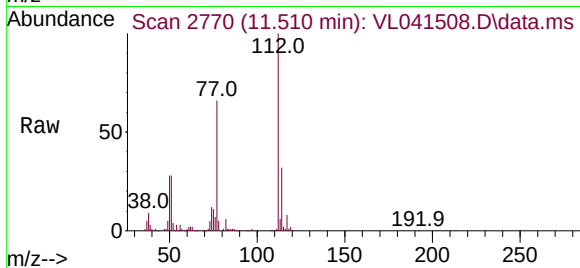




#57
Chlorobenzene
Concen: 4.132 ppbv
RT: 11.510 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

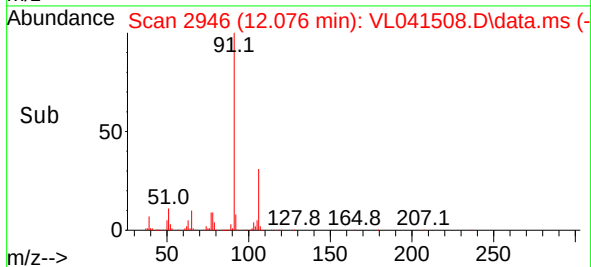
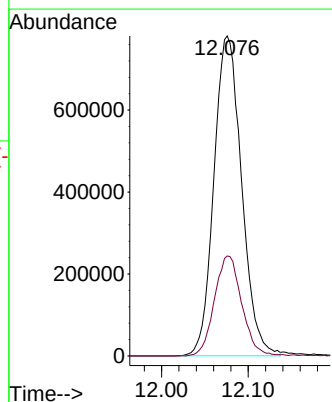
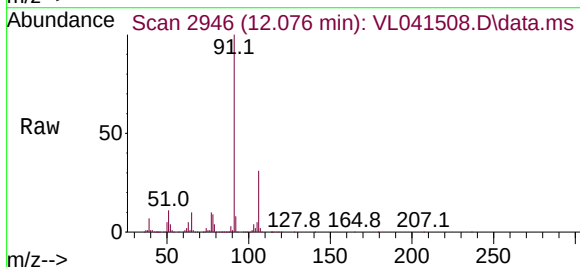
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

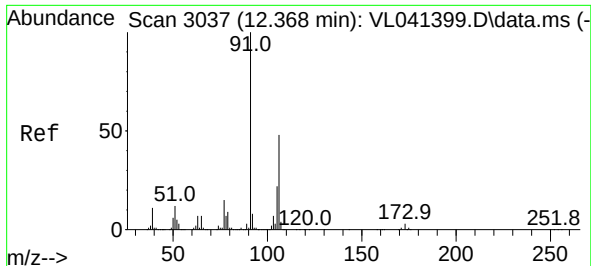
Tgt Ion:112 Resp: 813133
Ion Ratio Lower Upper
112 100
77 64.7 51.1 76.7
114 31.6 29.5 36.1



#58
Ethyl Benzene
Concen: 5.442 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.010 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion: 91 Resp: 1733818
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8





#59

m/p-Xylene

Concen: 6.304 ppbv

RT: 12.076 min Scan# 20

Delta R.T. -0.293 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_1

ClientSampleId :

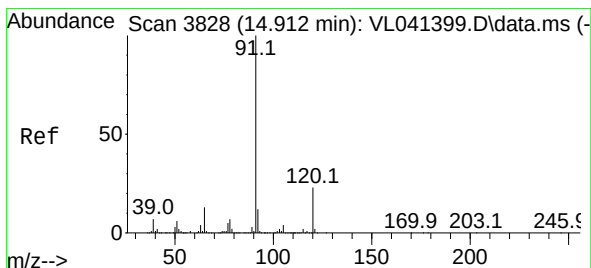
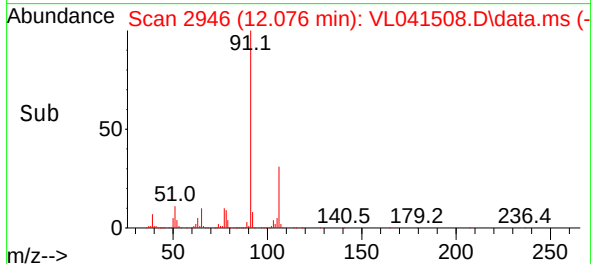
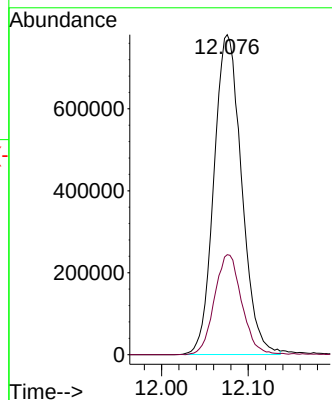
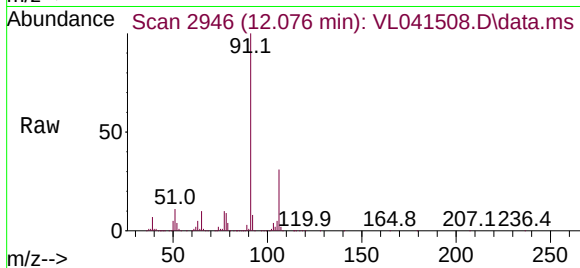
E069-1100DL

Tgt Ion: 91 Resp: 1733818

Ion Ratio Lower Upper

91 100

106 31.2 36.3 54.5#



#64

n-propylbenzene

Concen: 10.396 ppbv

RT: 15.336 min Scan# 3960

Delta R.T. 0.424 min

Lab File: VL041508.D

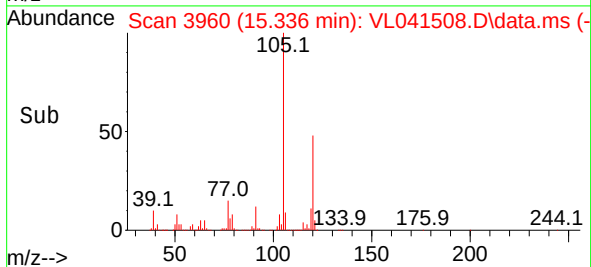
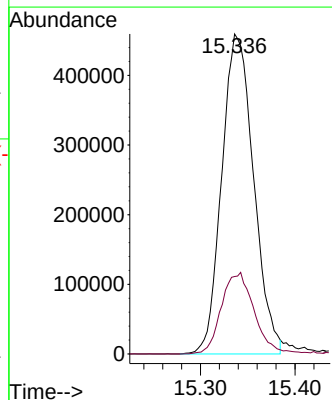
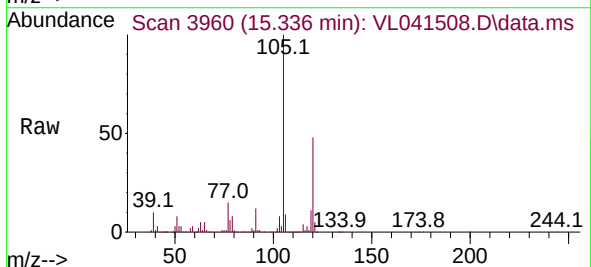
Acq: 8 Aug 2024 11:41

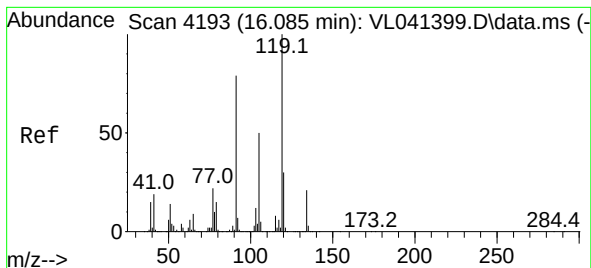
Tgt Ion:120 Resp: 1074987

Ion Ratio Lower Upper

120 100

91 0.0 361.4 542.0#





#65

tert-Butylbenzene

Concen: 0.627 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. 0.010 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_L

ClientSampleId :

E069-1100DL

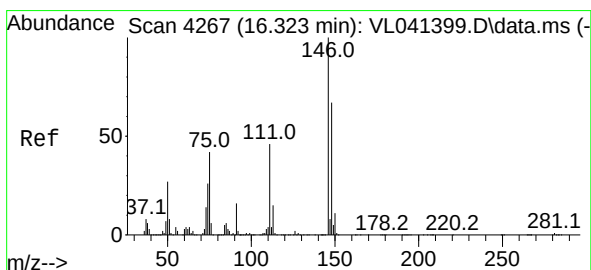
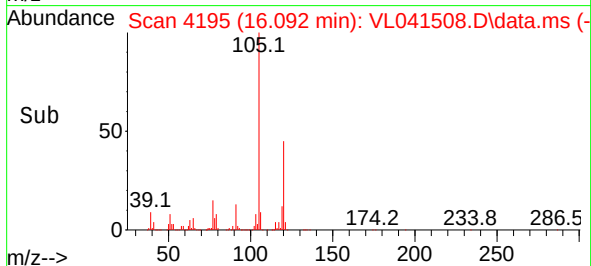
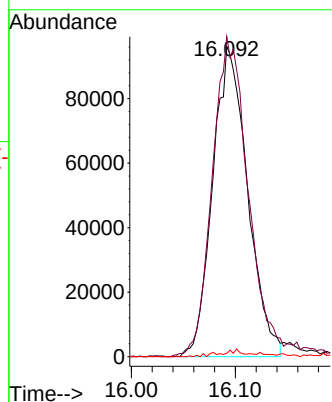
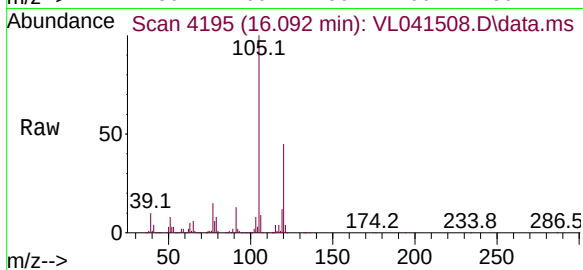
Tgt Ion:119 Resp: 224119

Ion Ratio Lower Upper

119 100

91 109.4 64.2 96.2#

134 1.9 15.7 23.5#



#66

Benzyl Chloride

Concen: 10.280 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. -0.228 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

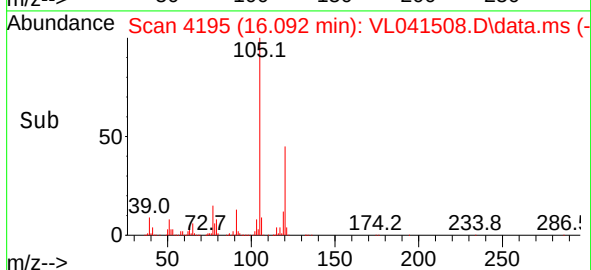
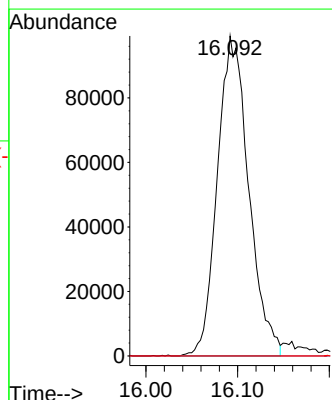
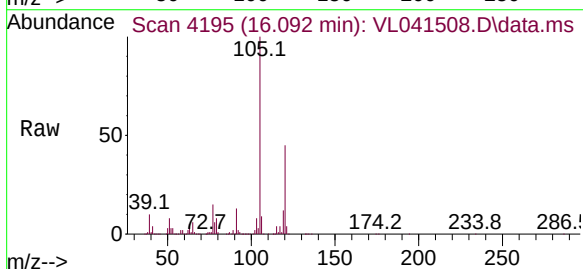
Tgt Ion: 91 Resp: 235553

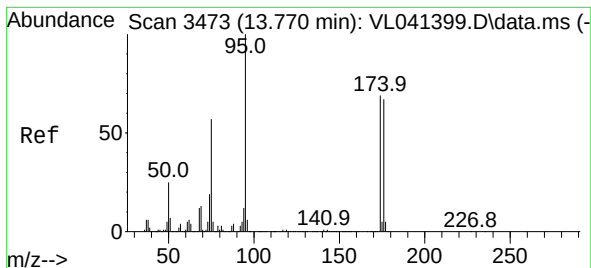
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.8#

128 0.0 4.4 6.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.343 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. -0.003 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_L

ClientSampleId :

E069-1100DL

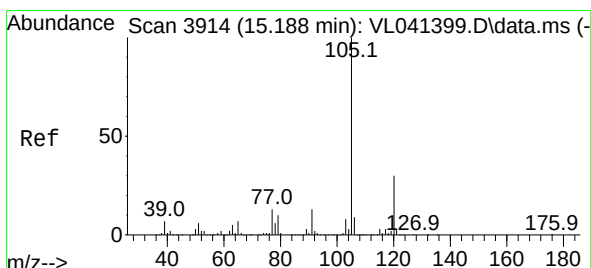
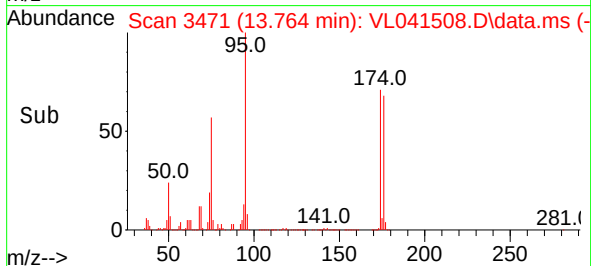
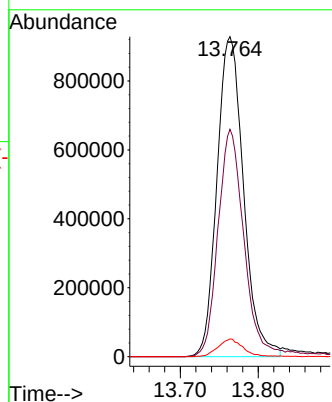
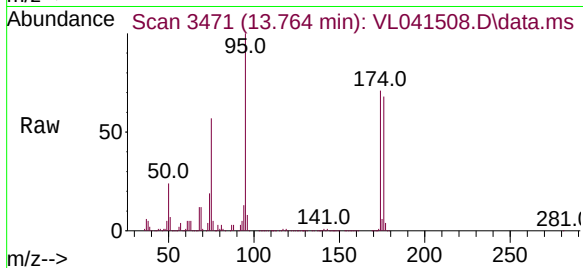
Tgt Ion: 95 Resp: 2200195

Ion Ratio Lower Upper

95 100

174 71.7 56.3 84.5

175 5.3 4.0 6.0



#72

4-Ethyltoluene

Concen: 7.631 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. 0.151 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Tgt Ion:105 Resp: 2337633

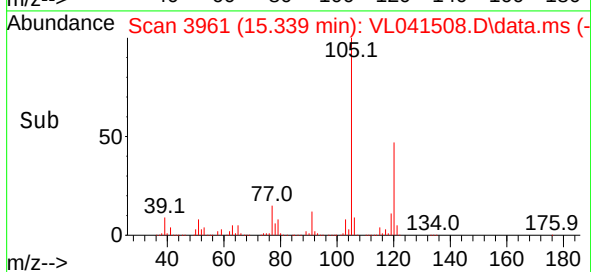
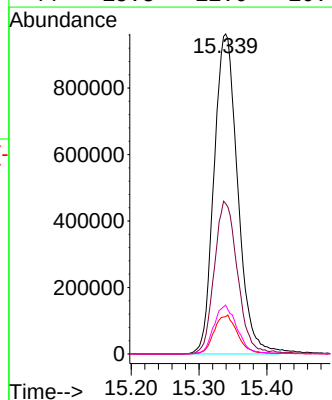
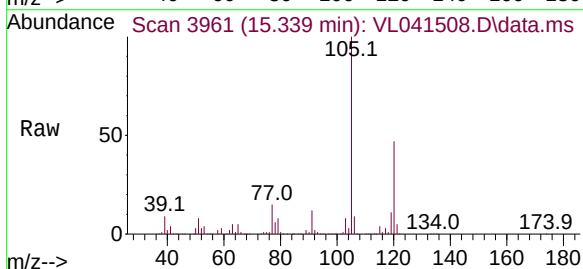
Ion Ratio Lower Upper

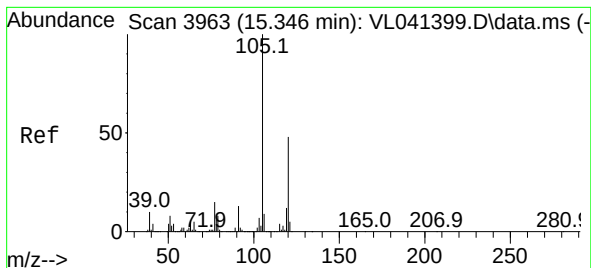
105 100

120 47.3 24.2 36.2#

91 12.3 10.4 15.6

77 15.3 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 8.858 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. -0.006 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_L

ClientSampleId :

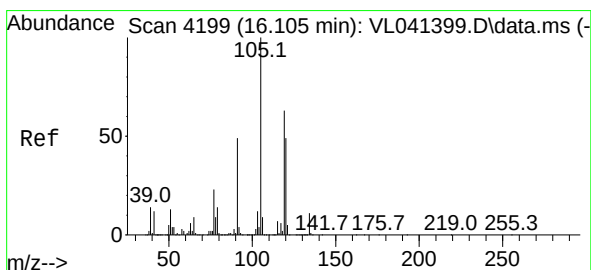
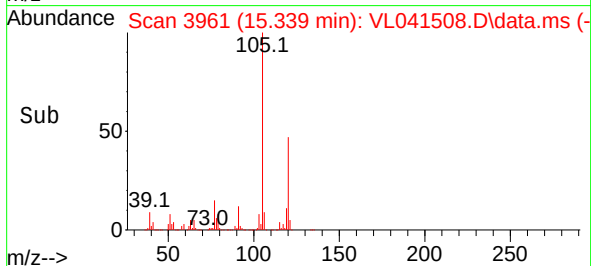
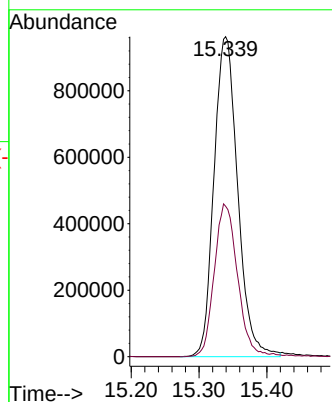
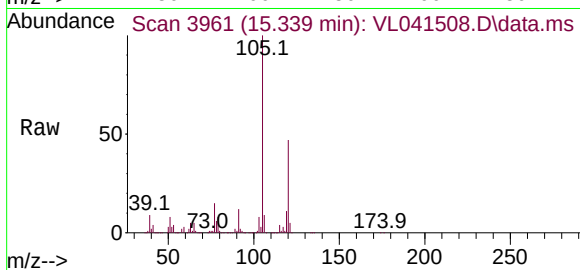
E069-1100DL

Tgt Ion:105 Resp: 2337633

Ion Ratio Lower Upper

105 100

120 47.0 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 6.621 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.006 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Tgt Ion:105 Resp: 2031342

Ion Ratio Lower Upper

105 100

120 43.6 39.5 59.3

91 11.2 39.8 59.8#

77 13.8 18.2 27.4#

