

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039916.D
 Acq On : 21 Nov 2022 18:59
 Operator : SY/AP
 Sample : N5724-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Nov 22 03:50:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Nov 22 03:45:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1009683	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	3064712	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2720557	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2136785	10.283	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

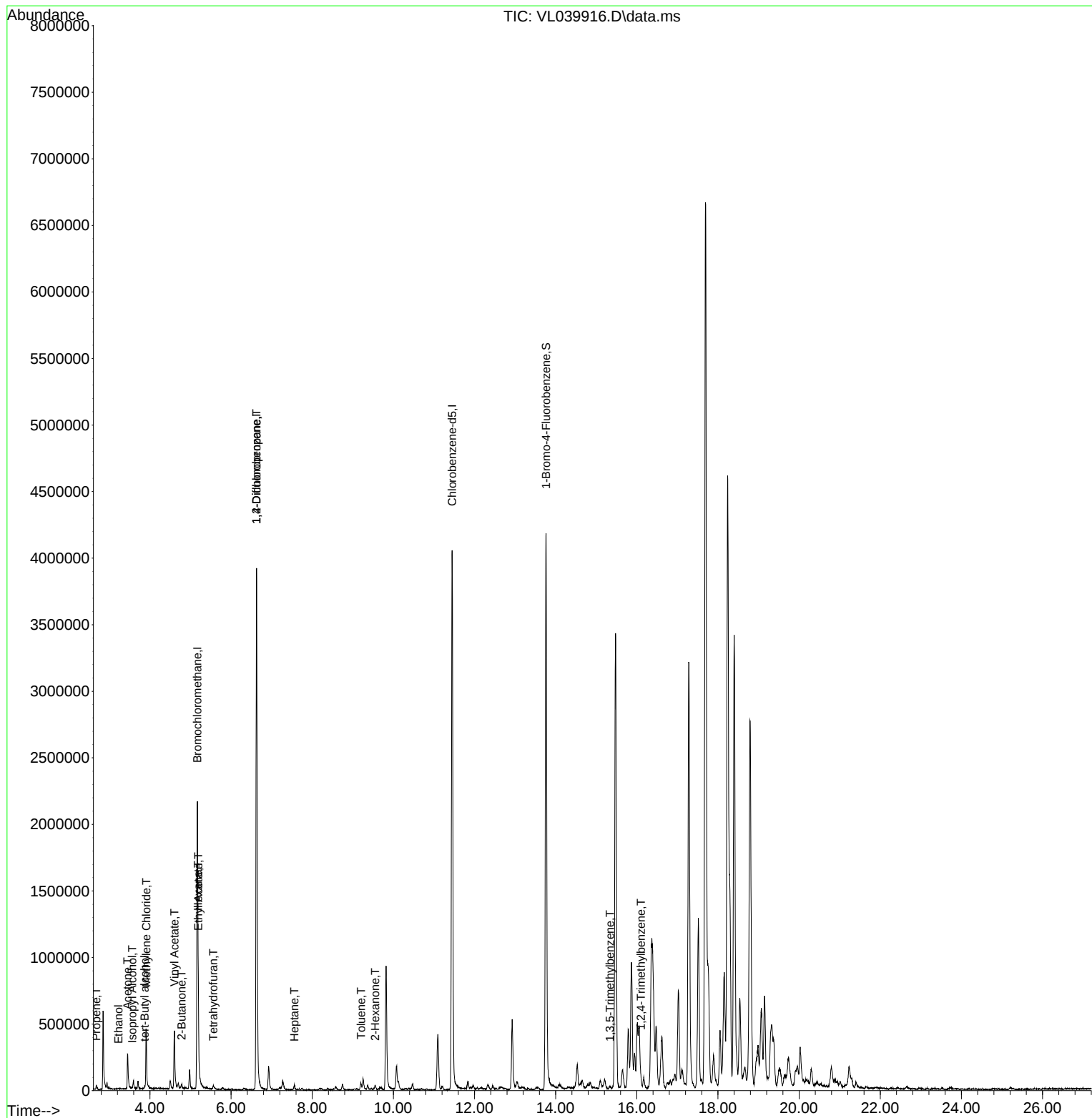
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.678	41	6410	0.098	ppbv #	82
10) Heptane	7.562	43	6399	0.040	ppbv #	1
13) Ethanol	3.224	45	5081	1.014	ppbv #	42
15) Acetone	3.449	43	272322	2.033	ppbv	91
17) tert-Butyl alcohol	3.874	59	8943	0.058	ppbv #	54
19) Isopropyl Alcohol	3.565	45	4452	0.061	ppbv #	29
20) Methylene Chloride	3.909	84	139993	2.158	ppbv	99
23) Vinyl Acetate	4.604	43	607188	11.036	ppbv	98
25) Ethyl Acetate	5.192	43	144939	0.589	ppbv #	78
26) Hexane	5.189	57	222310	2.070	ppbv #	36
34) 2-Butanone	4.780	43	26717	0.182	ppbv #	75
39) 1,2-Dichloropropane	6.629	63	754678	7.436	ppbv #	26
41) Tetrahydrofuran	5.565	42	13546	0.134	ppbv	94
51) 2-Hexanone	9.549	43	14673	0.072	ppbv #	27
53) Toluene	9.205	91	15112	0.051	ppbv #	19
73) 1,3,5-Trimethylbenzene	15.339	105	13992	0.046	ppbv	91
74) 1,2,4-Trimethylbenzene	16.101	105	23575	0.073	ppbv #	74

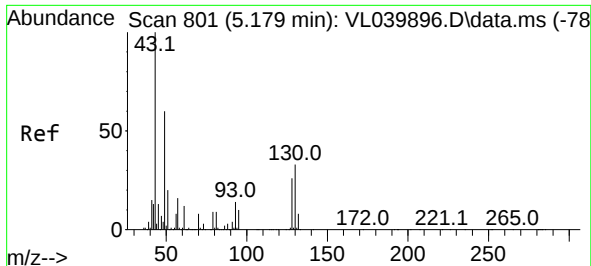
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
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Quant Time: Nov 22 03:50:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration

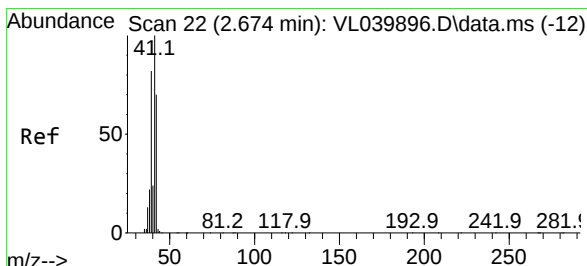
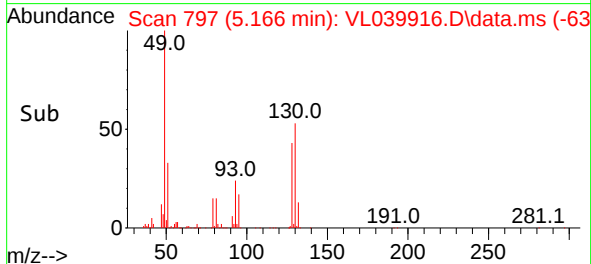
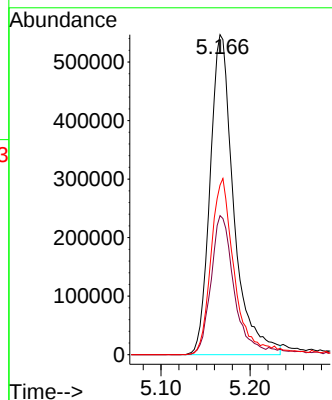
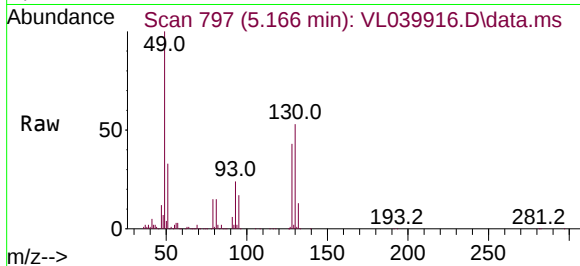




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

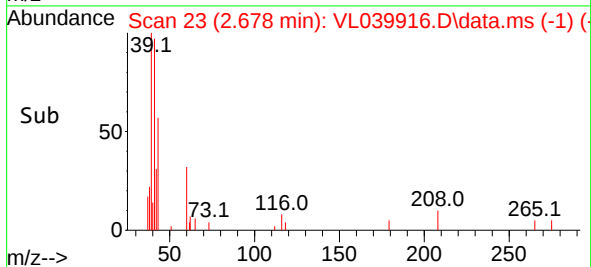
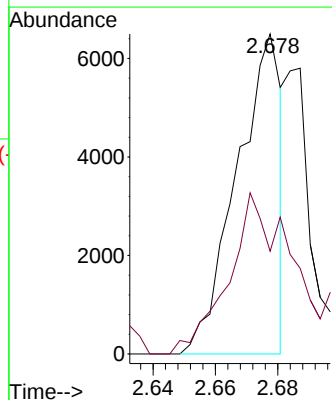
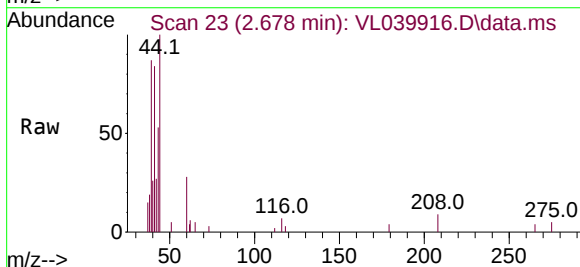
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

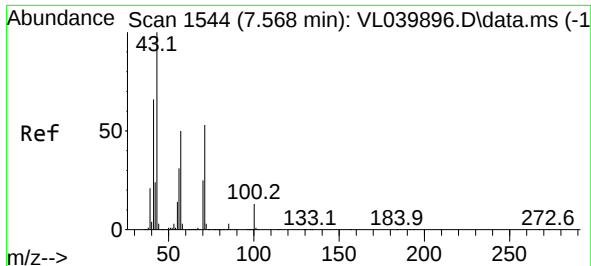
Tgt Ion: 49 Resp: 1009683
Ion Ratio Lower Upper
49 100
128 44.4 22.1 66.3
130 56.9 27.7 83.1



#9
Propene
Concen: 0.098 ppbv
RT: 2.678 min Scan# 23
Delta R.T. 0.016 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 41 Resp: 6410
Ion Ratio Lower Upper
41 100
42 84.7 55.8 83.6#

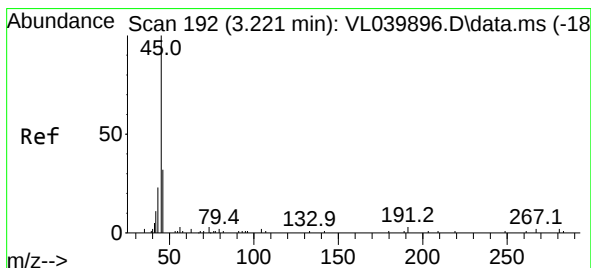
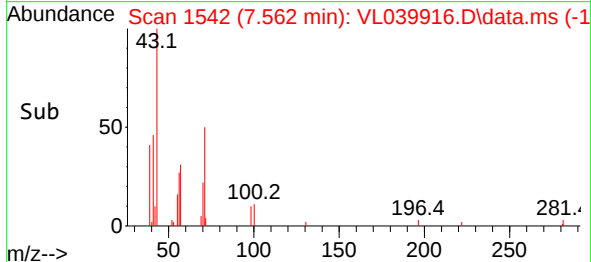
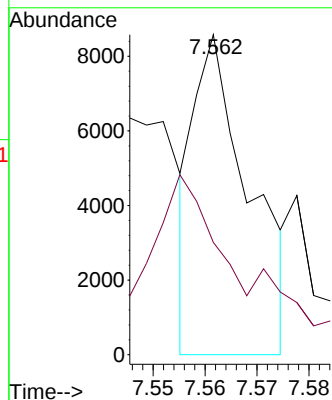
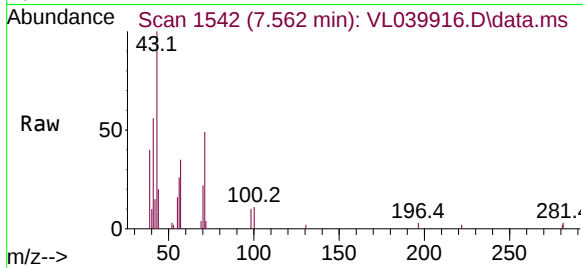




#10
 Heptane
 Concen: 0.040 ppbv
 RT: 7.562 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VL039916.D
 Acq: 21 Nov 2022 18:59

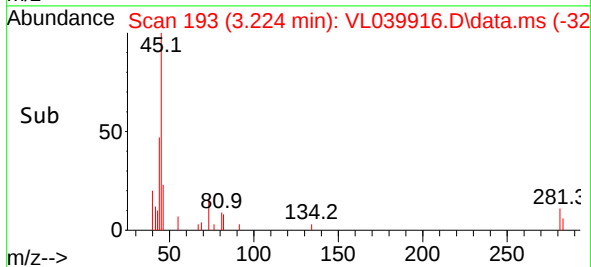
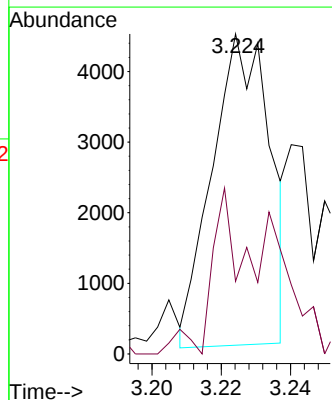
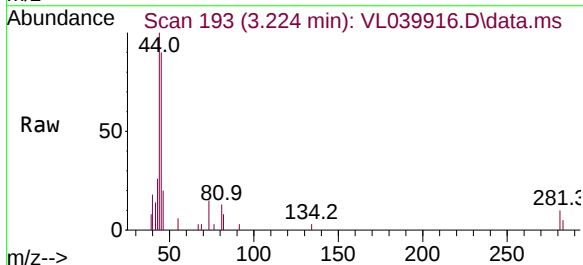
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

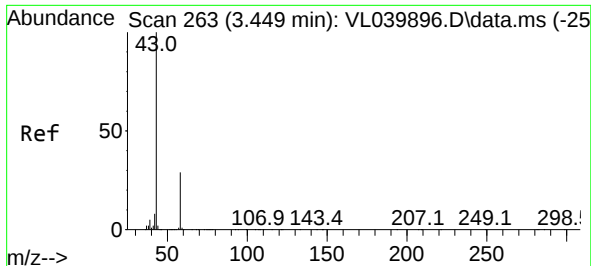
Tgt Ion: 43 Resp: 6399
 Ion Ratio Lower Upper
 43 100
 57 125.9 40.7 61.1#



#13
 Ethanol
 Concen: 1.014 ppbv
 RT: 3.224 min Scan# 193
 Delta R.T. 0.016 min
 Lab File: VL039916.D
 Acq: 21 Nov 2022 18:59

Tgt Ion: 45 Resp: 5081
 Ion Ratio Lower Upper
 45 100
 46 70.9 14.6 58.2#

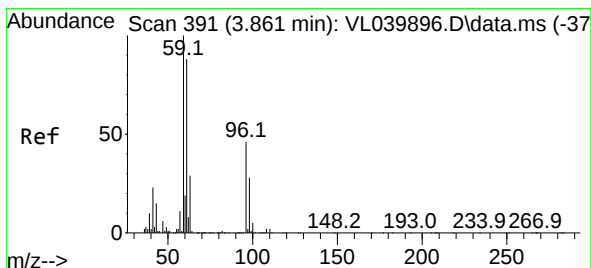
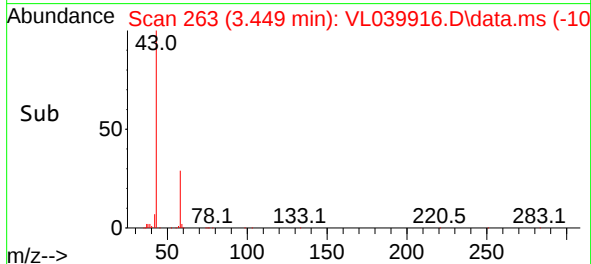
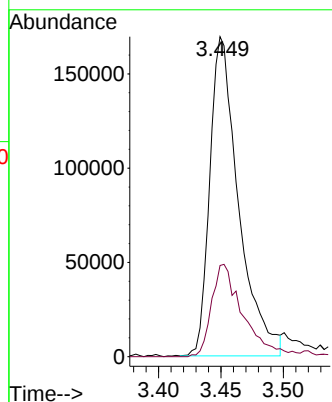
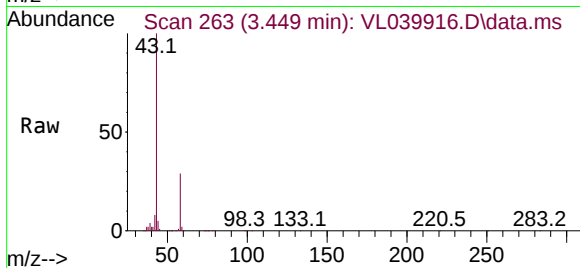




#15
Acetone
Concen: 2.033 ppbv
RT: 3.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

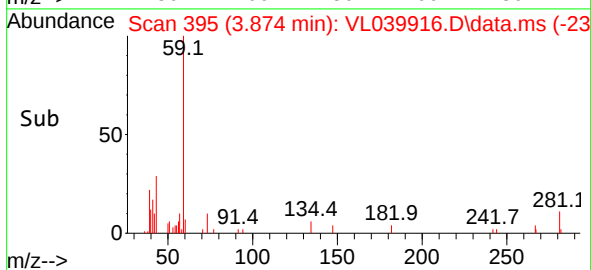
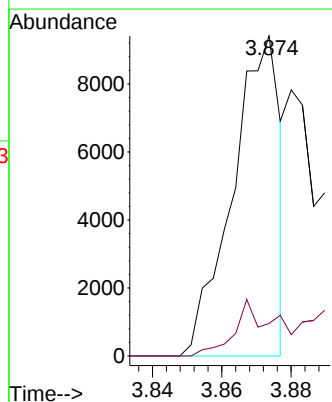
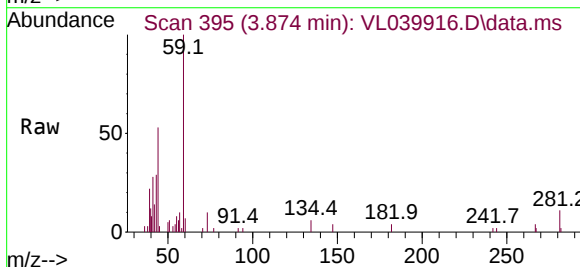
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

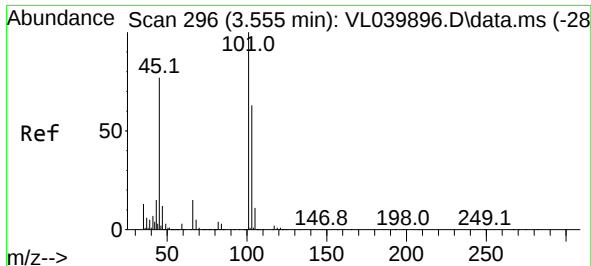
Tgt Ion: 43 Resp: 272322
Ion Ratio Lower Upper
43 100
58 33.1 22.9 34.3



#17
tert-Butyl alcohol
Concen: 0.058 ppbv
RT: 3.874 min Scan# 395
Delta R.T. 0.029 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 59 Resp: 8943
Ion Ratio Lower Upper
59 100
57 27.7 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 0.061 ppbv

RT: 3.565 min Scan# 296

Delta R.T. 0.023 min

Lab File: VL039916.D

Acq: 21 Nov 2022 18:59

Instrument :

MSVOA_L

ClientSampleId :

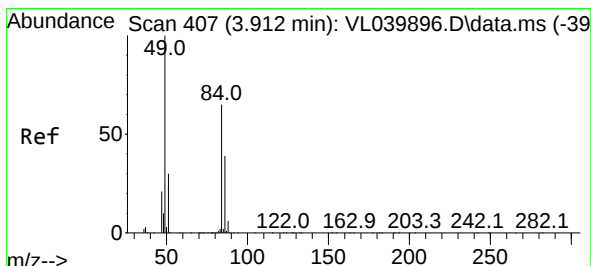
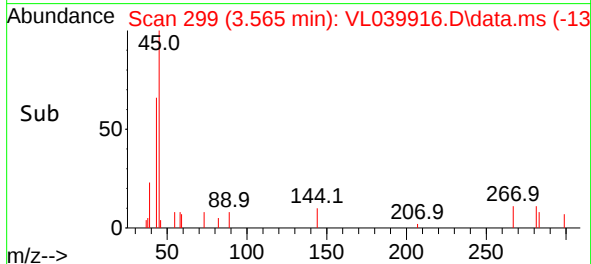
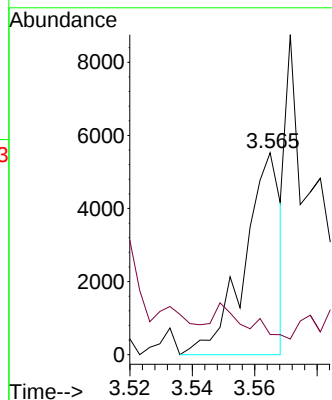
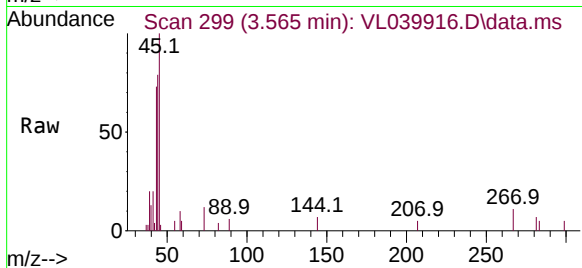
SV2DL

Tgt Ion: 45 Resp: 4452

Ion Ratio Lower Upper

45 100

58 0.0 38.7 58.1#



#20

Methylene Chloride

Concen: 2.158 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.010 min

Lab File: VL039916.D

Acq: 21 Nov 2022 18:59

Tgt Ion: 84 Resp: 139993

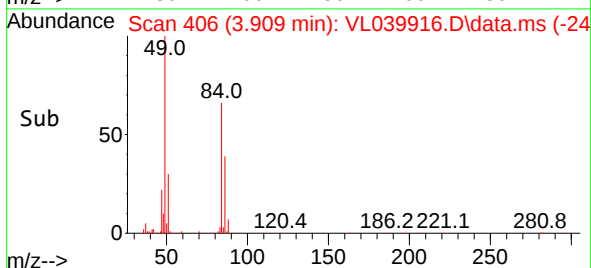
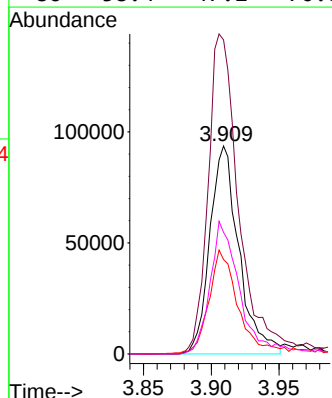
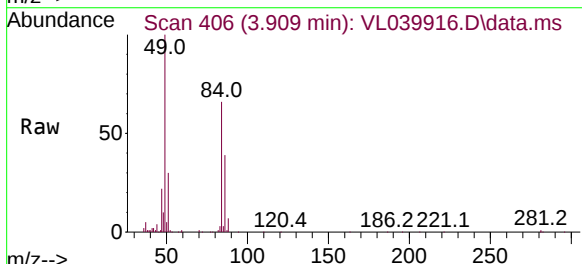
Ion Ratio Lower Upper

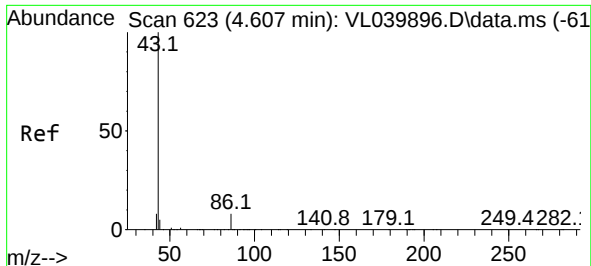
84 100

49 150.7 122.2 183.4

51 44.8 36.3 54.5

86 58.4 47.2 70.8



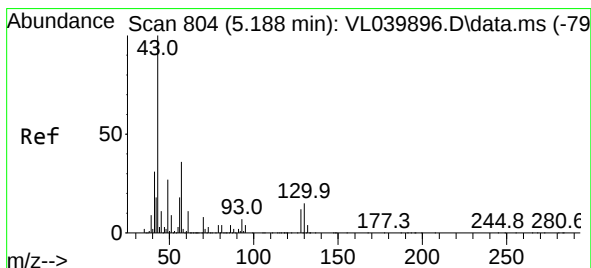
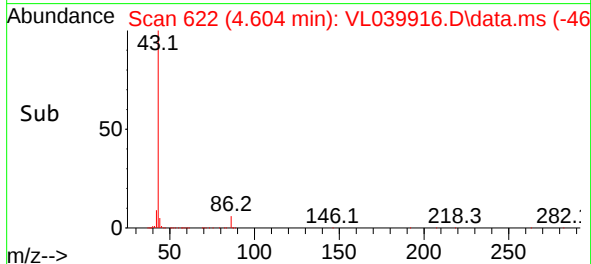
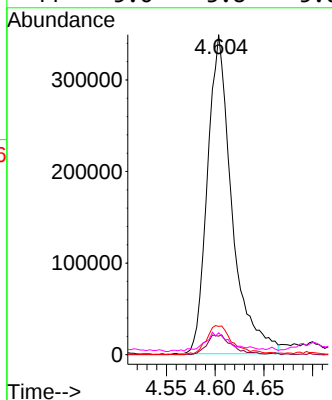
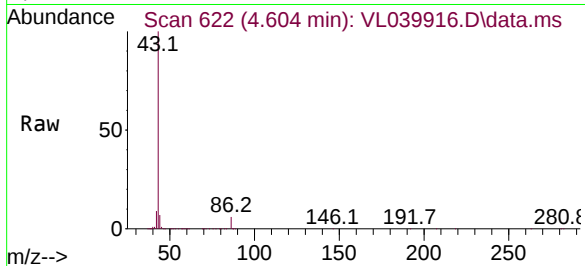


#23
 Vinyl Acetate
 Concen: 11.036 ppbv
 RT: 4.604 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VL039916.D
 Acq: 21 Nov 2022 18:59

Instrument :
 MSVOA_1
 ClientSampleId :
 SV2DL

Tgt Ion: 43 Resp: 607188

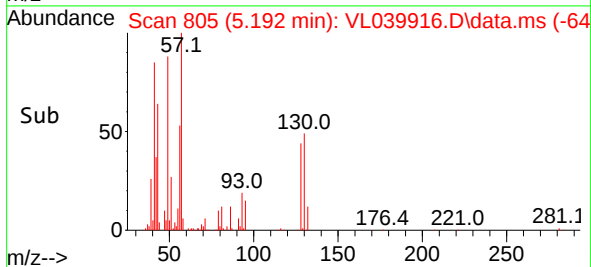
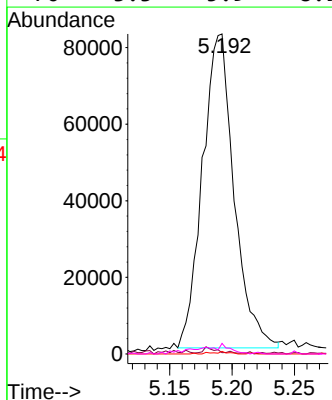
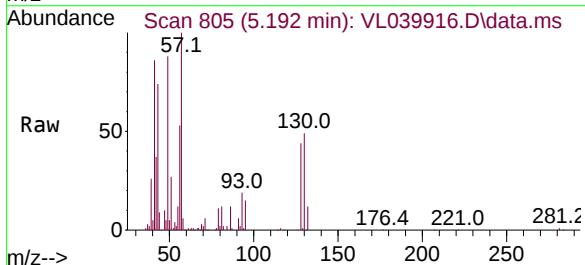
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.0	7.4
42	8.8	7.6	11.4
44	5.6	3.8	5.6

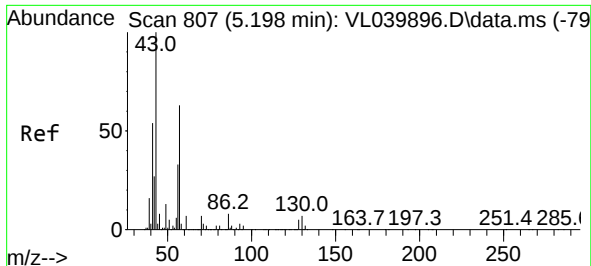


#25
 Ethyl Acetate
 Concen: 0.589 ppbv
 RT: 5.192 min Scan# 805
 Delta R.T. 0.023 min
 Lab File: VL039916.D
 Acq: 21 Nov 2022 18:59

Tgt Ion: 43 Resp: 144939

Ion	Ratio	Lower	Upper
43	100		
45	1.4	8.4	12.6#
61	0.4	8.5	12.7#
70	3.3	5.9	8.9#

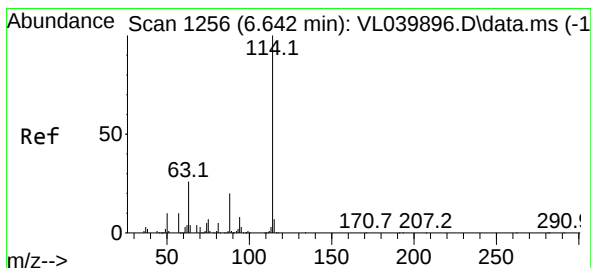
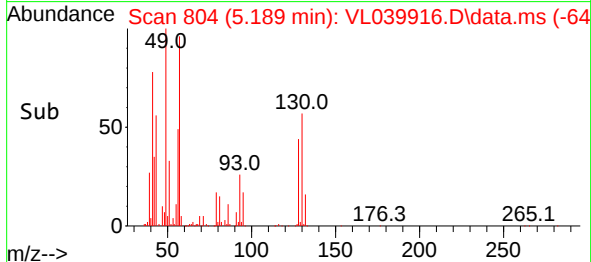
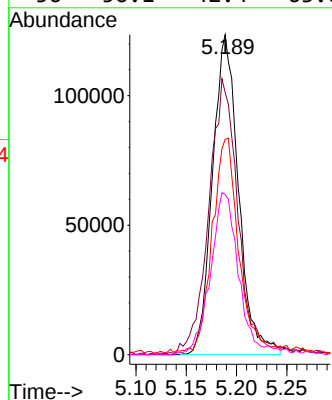
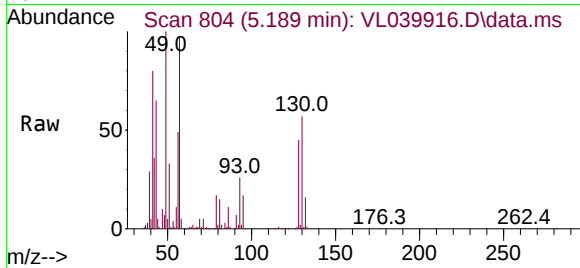




#26
Hexane
Concen: 2.070 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.007 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

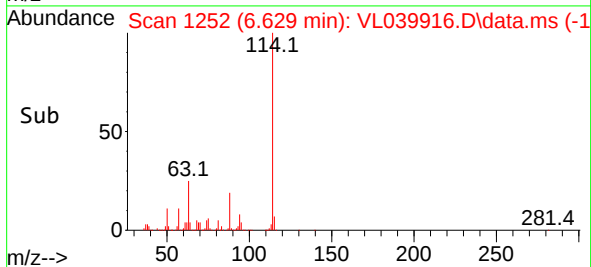
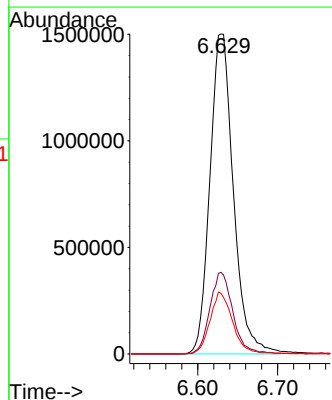
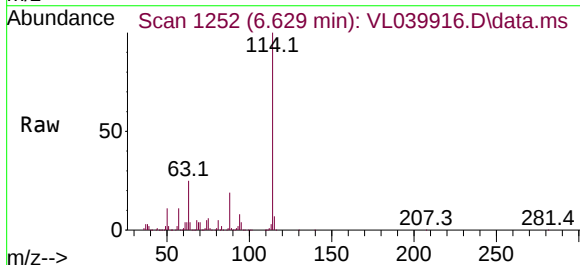
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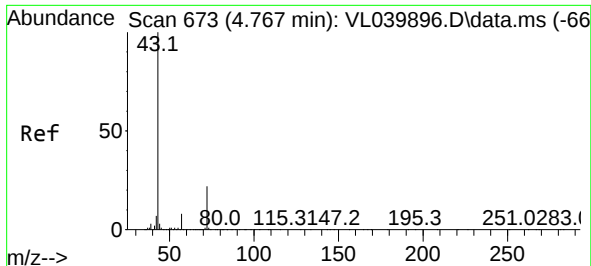
Tgt Ion: 57 Resp: 222310
Ion Ratio Lower Upper
57 100
41 98.3 72.3 108.5
43 70.2 188.7 283.1#
56 56.1 42.4 63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 114 Resp: 3064712
Ion Ratio Lower Upper
114 100
63 25.2 21.4 32.0
88 18.7 15.3 22.9

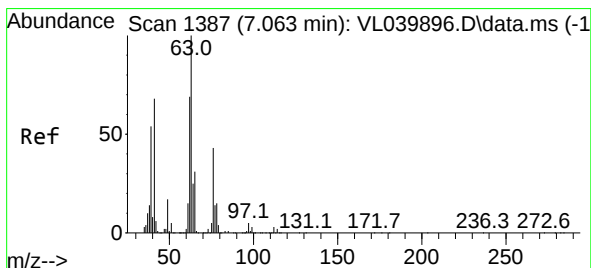
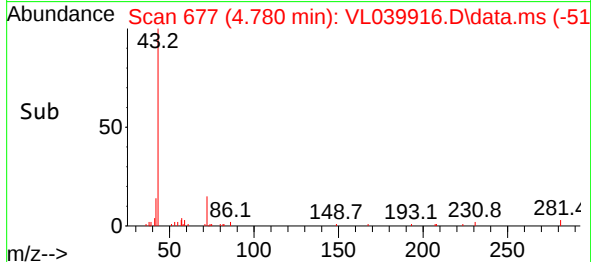
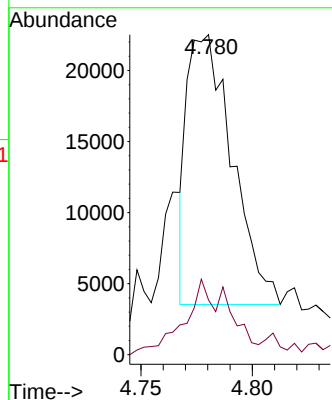
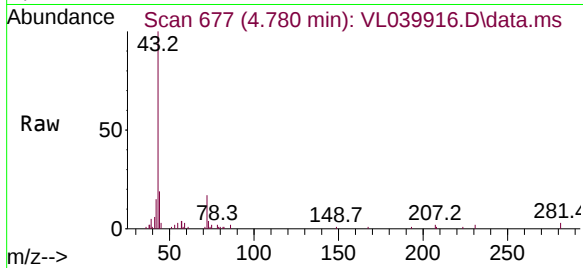




#34
2-Butanone
Concen: 0.182 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

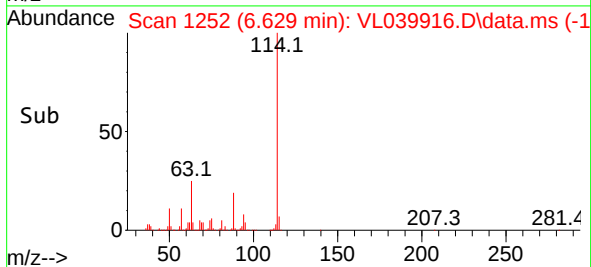
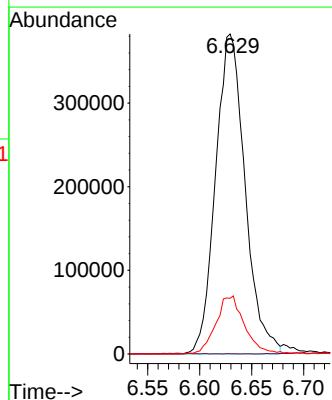
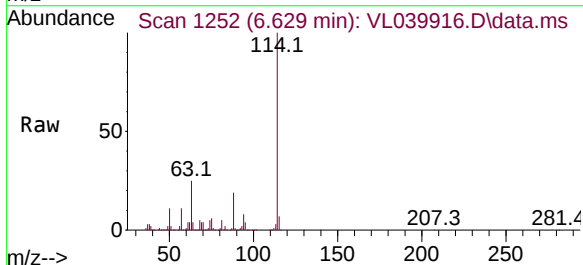
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

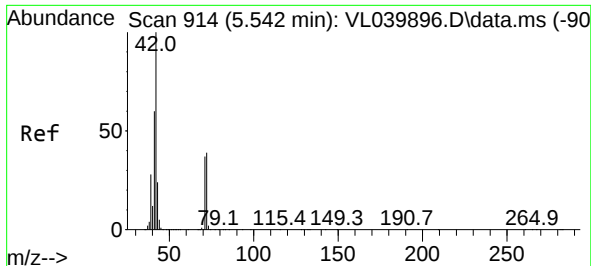
Tgt Ion: 43 Resp: 26717
Ion Ratio Lower Upper
43 100
72 33.9 17.4 26.2#



#39
1,2-Dichloropropane
Concen: 7.436 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.411 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 63 Resp: 754678
Ion Ratio Lower Upper
63 100
41 0.0 54.7 82.1#
62 17.4 55.0 82.6#

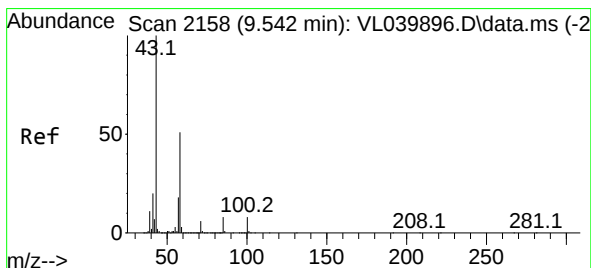
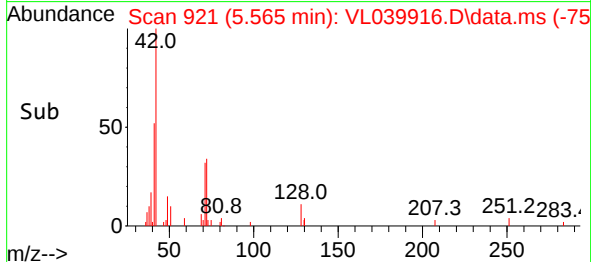
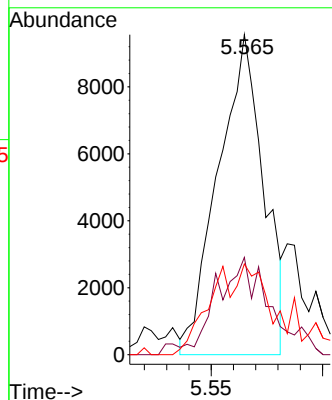
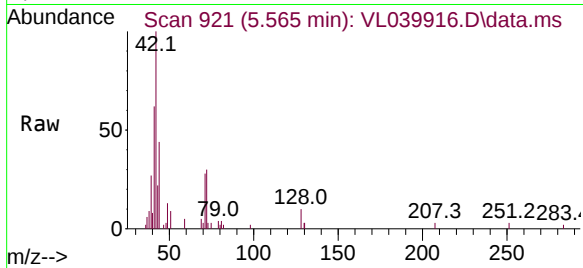




#41
Tetrahydrofuran
Concen: 0.134 ppbv
RT: 5.565 min Scan# 914
Delta R.T. 0.042 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

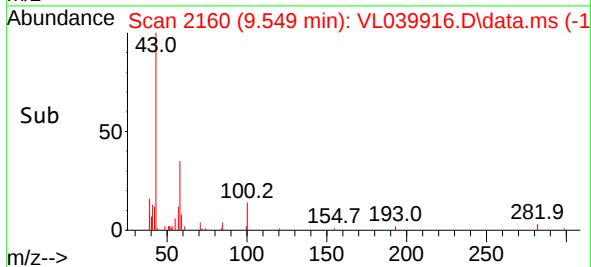
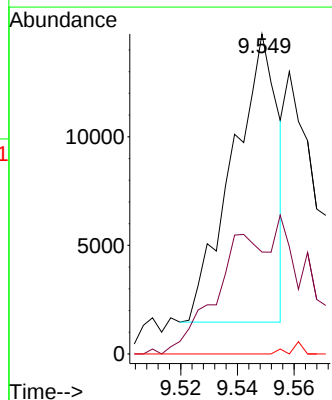
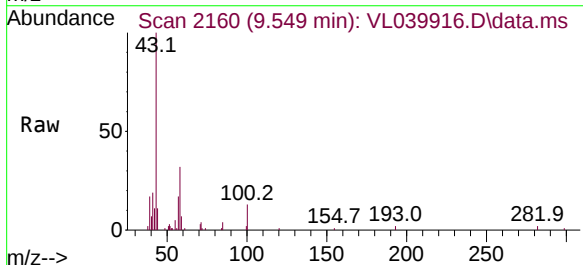
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

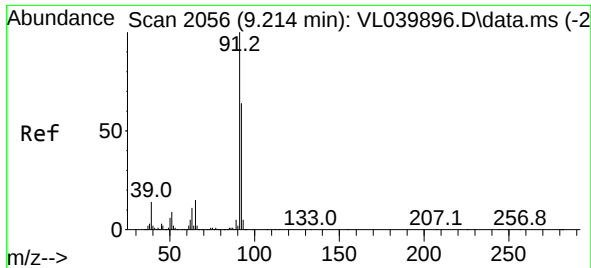
Tgt Ion: 42 Resp: 13546
Ion Ratio Lower Upper
42 100
72 36.7 31.6 47.4
71 43.6 31.2 46.8



#51
2-Hexanone
Concen: 0.072 ppbv
RT: 9.549 min Scan# 2160
Delta R.T. 0.023 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 43 Resp: 14673
Ion Ratio Lower Upper
43 100
58 0.0 40.2 60.4#
98 0.0 0.1 0.1#

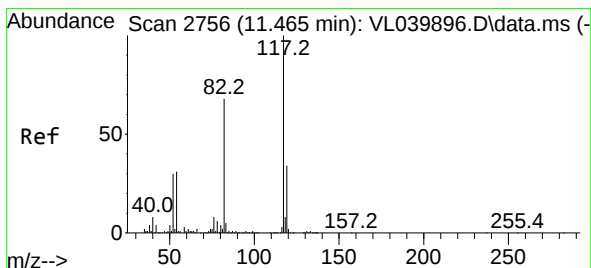
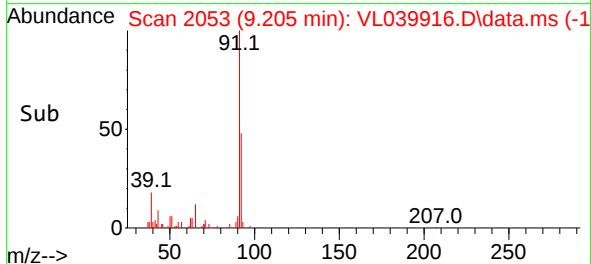
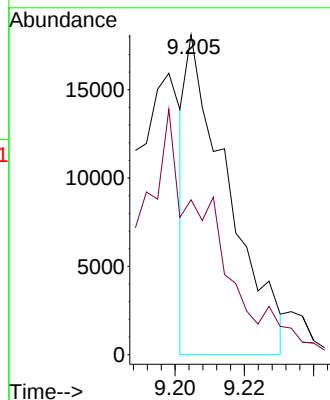
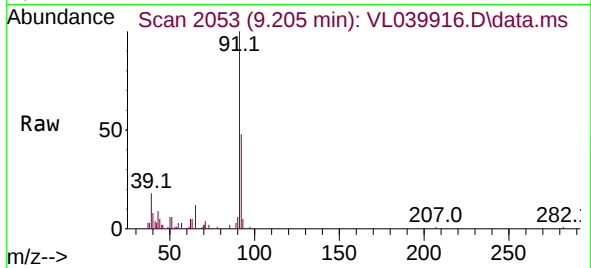




#53
Toluene
Concen: 0.051 ppbv
RT: 9.205 min Scan# 2053
Delta R.T. 0.013 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

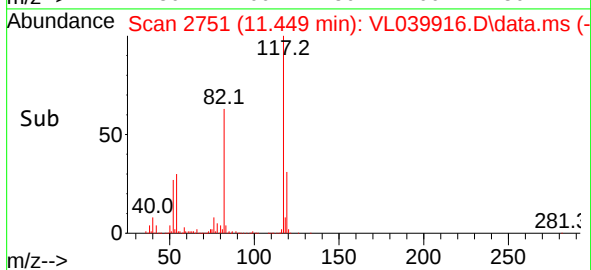
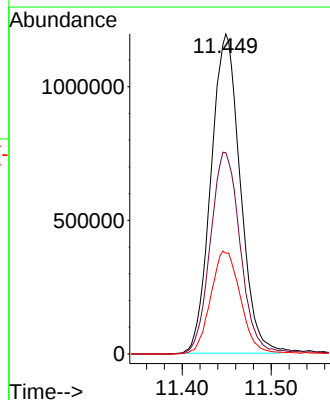
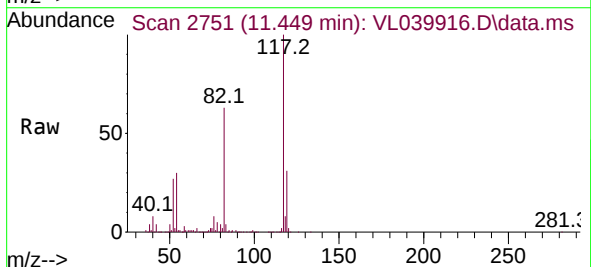
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

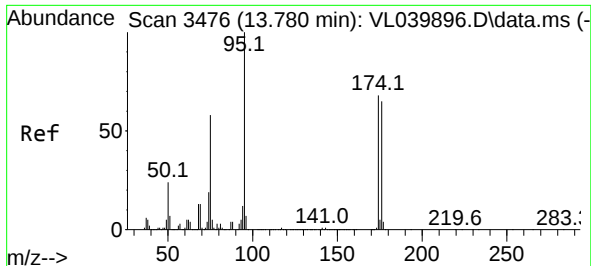
Tgt Ion: 91 Resp: 15112
Ion Ratio Lower Upper
91 100
92 0.0 49.8 74.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 117 Resp: 2720557
Ion Ratio Lower Upper
117 100
82 66.1 52.3 78.5
119 33.7 25.7 38.5

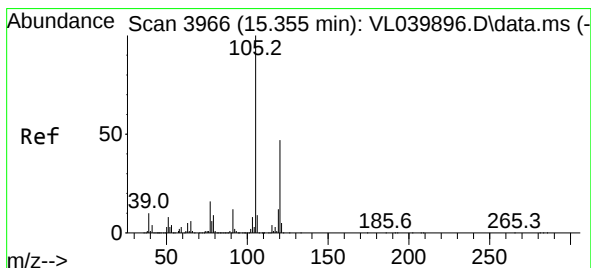
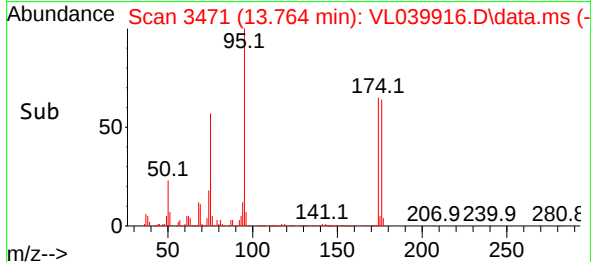
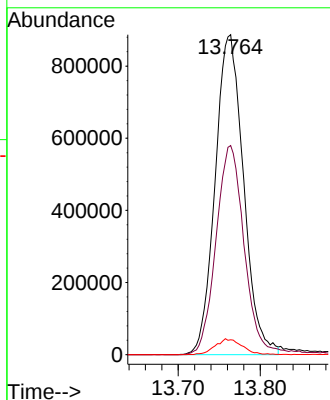
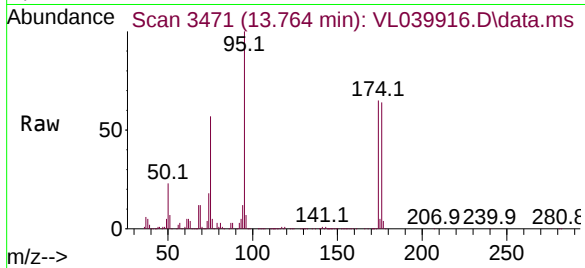




#68
1-Bromo-4-Fluorobenzene
Concen: 10.283 ppbv
RT: 13.764 min Scan# 3476
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

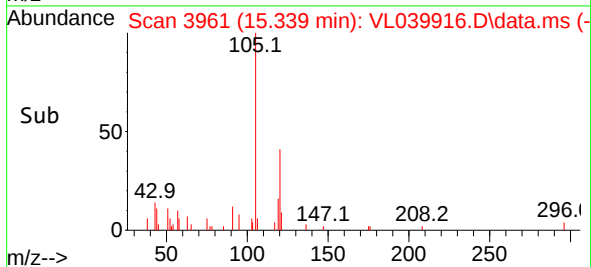
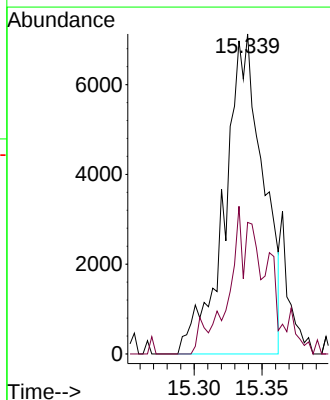
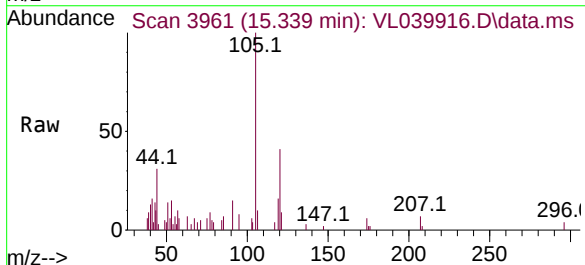
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

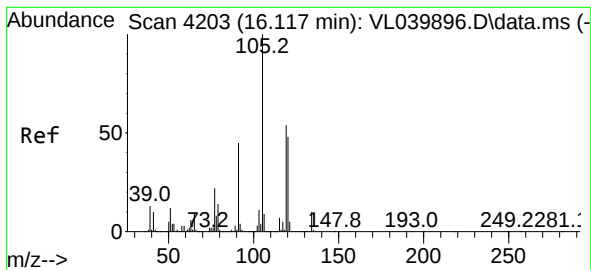
Tgt Ion: 95 Resp: 2136785
Ion Ratio Lower Upper
95 100
174 65.7 53.7 80.5
175 4.7 4.0 6.0



#73
1,3,5-Trimethylbenzene
Concen: 0.046 ppbv
RT: 15.339 min Scan# 3961
Delta R.T. 0.007 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

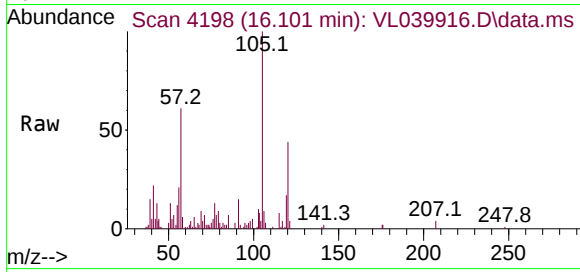
Tgt Ion: 105 Resp: 13992
Ion Ratio Lower Upper
105 100
120 41.1 37.9 56.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.073 ppbv
 RT: 16.101 min Scan# 4198
 Delta R.T. 0.010 min
 Lab File: VL039916.D
 Acq: 21 Nov 2022 18:59

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL



Tgt Ion:	105	Resp:	23575
Ion	Ratio	Lower	Upper
105	100		
120	43.0	38.7	58.1
91	13.7	36.4	54.6#
77	13.6	17.4	26.0#

