

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039933.D
 Acq On : 23 Nov 2022 1:59
 Operator : SY/AP
 Sample : N5767-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Nov 23 04:54:34 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)

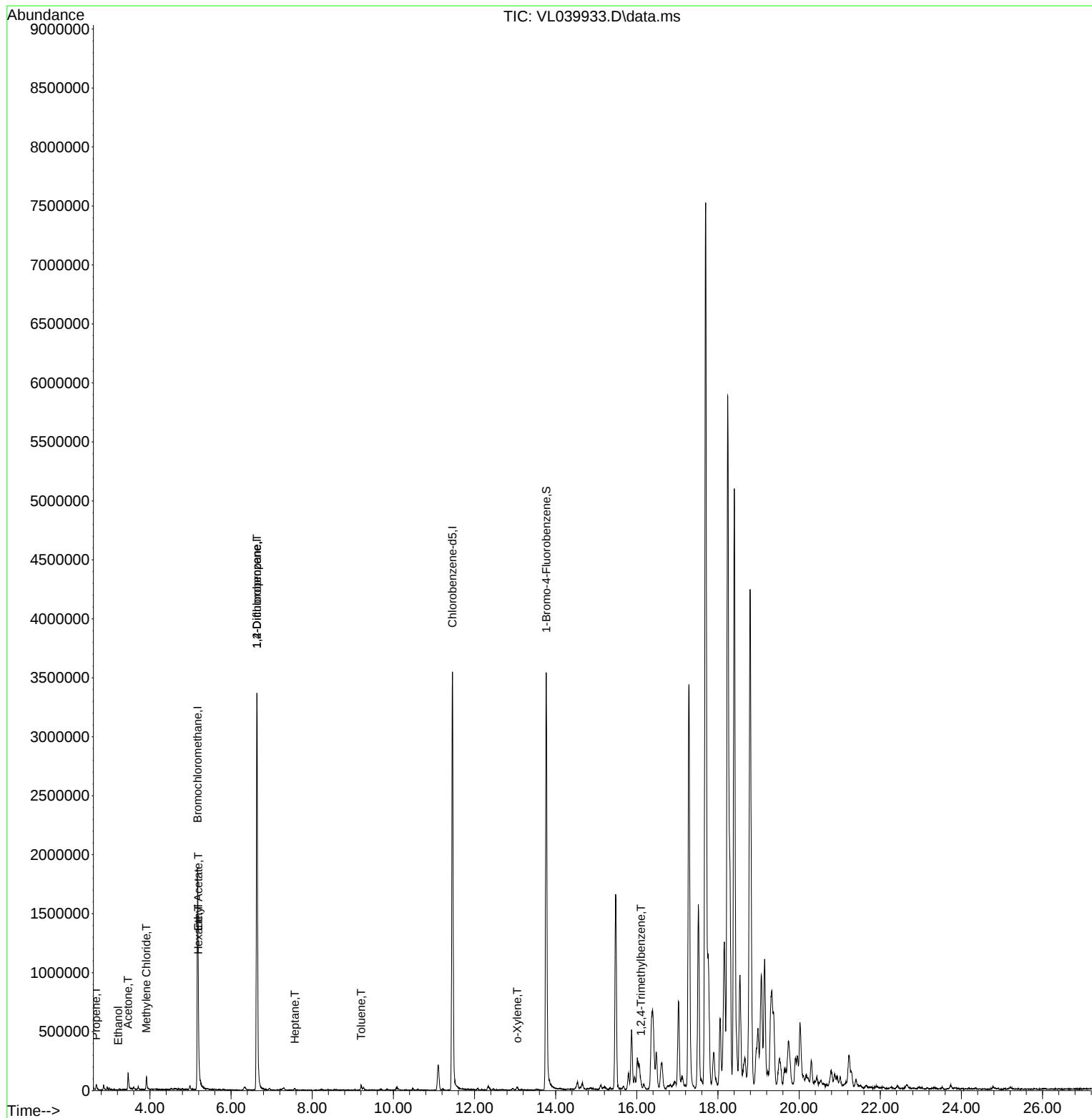
Internal Standards						
1) Bromochloromethane	5.176	49	936757	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	2678710	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	2376088	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1829103	10.078	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%
Target Compounds						
					Qvalue	
9) Propene	2.674	41	18347	0.301	ppbv	100
10) Heptane	7.568	43	4912	0.033	ppbv #	62
13) Ethanol	3.218	45	180	0.039	ppbv #	38
15) Acetone	3.462	43	147097	1.184	ppbv	95
20) Methylene Chloride	3.912	84	15419	0.256	ppbv	91
25) Ethyl Acetate	5.192	43	23006	0.101	ppbv #	78
26) Hexane	5.195	57	68021	0.683	ppbv #	35
39) 1,2-Dichloropropane	6.639	63	662201	7.465	ppbv #	27
53) Toluene	9.204	91	29499	0.114	ppbv	99
60) o-Xylene	13.053	91	13649	0.053	ppbv #	30
74) 1,2,4-Trimethylbenzene	16.101	105	27771	0.099	ppbv #	70

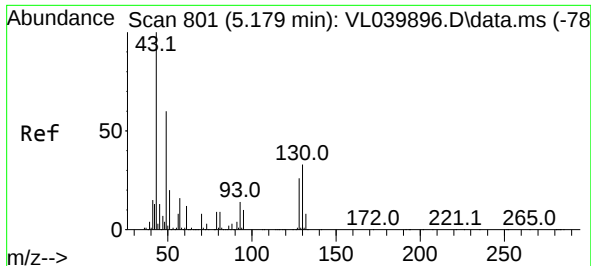
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 04:54:34 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

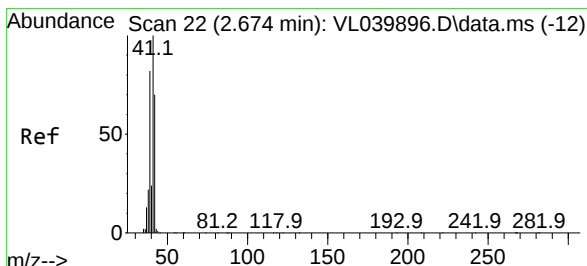
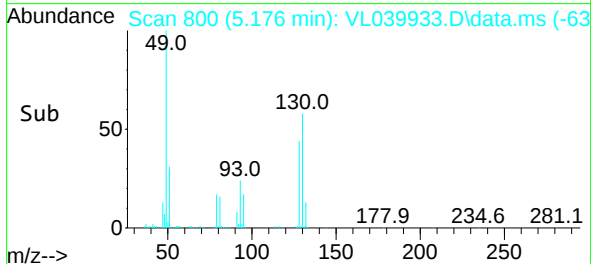
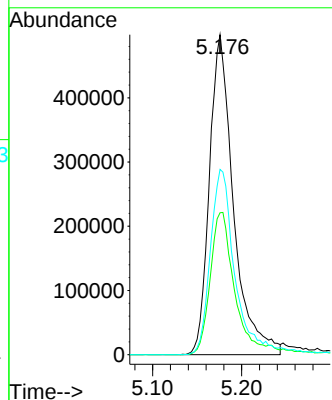
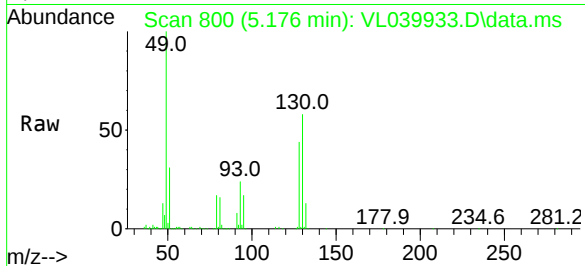




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 801
 Delta R.T. 0.020 min
 Lab File: VL039933.D
 Acq: 23 Nov 2022 1:59

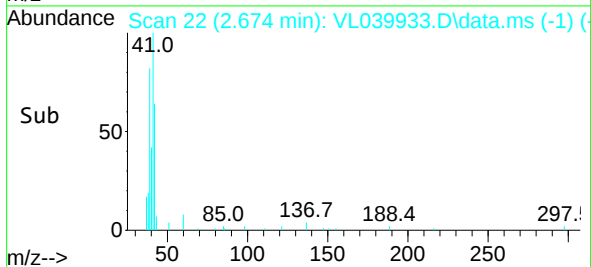
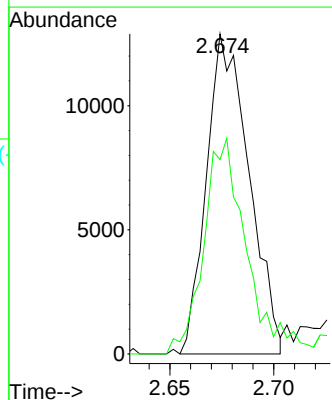
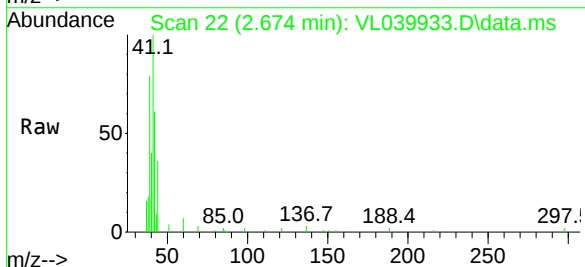
Instrument :
 MSVOA_L
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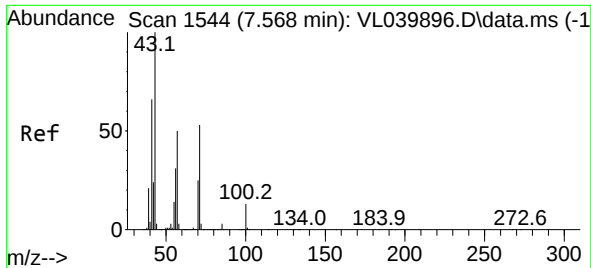
Tgt Ion: 49 Resp: 936757
 Ion Ratio Lower Upper
 49 100
 128 47.0 22.1 66.3
 130 61.6 27.7 83.1



#9
 Propene
 Concen: 0.301 ppbv
 RT: 2.674 min Scan# 22
 Delta R.T. 0.013 min
 Lab File: VL039933.D
 Acq: 23 Nov 2022 1:59

Tgt Ion: 41 Resp: 18347
 Ion Ratio Lower Upper
 41 100
 42 69.8 55.8 83.6

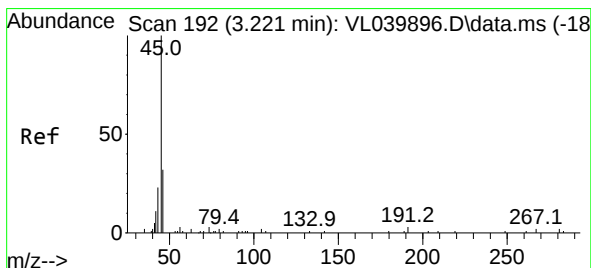
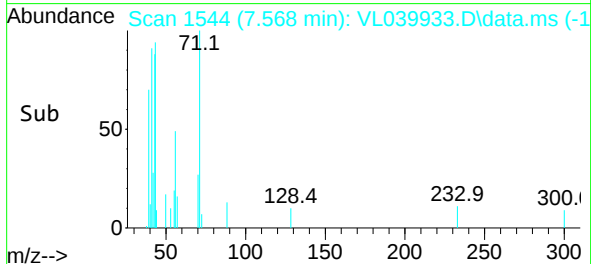
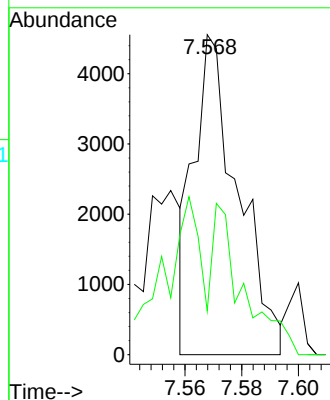
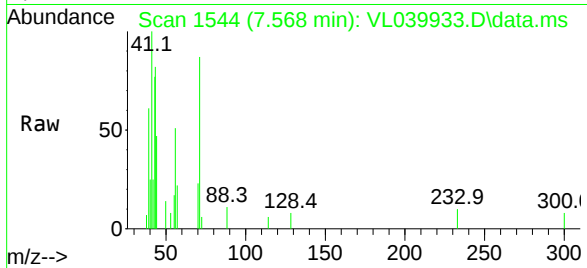




#10
 Heptane
 Concen: 0.033 ppbv
 RT: 7.568 min Scan# 11
 Delta R.T. 0.022 min
 Lab File: VL039933.D
 Acq: 23 Nov 2022 1:59

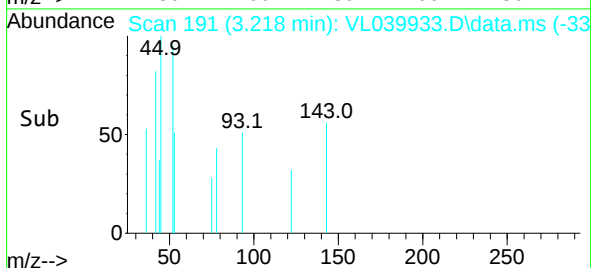
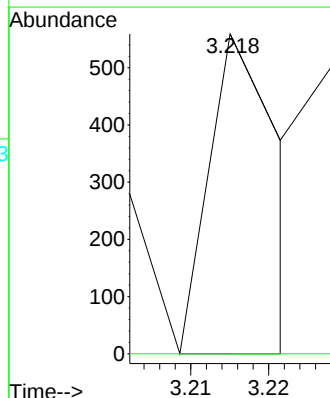
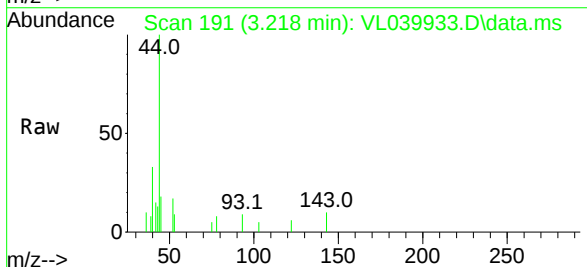
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

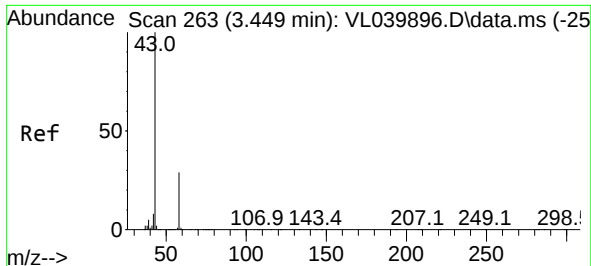
Tgt Ion: 43 Resp: 4912
 Ion Ratio Lower Upper
 43 100
 57 77.1 40.7 61.1#



#13
 Ethanol
 Concen: 0.039 ppbv
 RT: 3.218 min Scan# 191
 Delta R.T. 0.010 min
 Lab File: VL039933.D
 Acq: 23 Nov 2022 1:59

Tgt Ion: 45 Resp: 180
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.6 58.2#

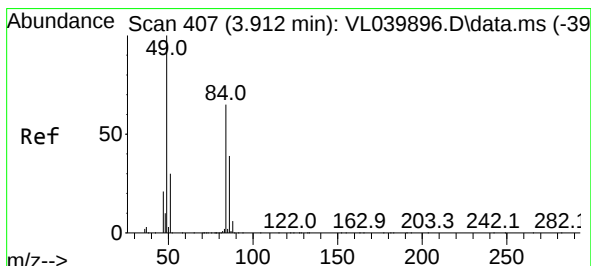
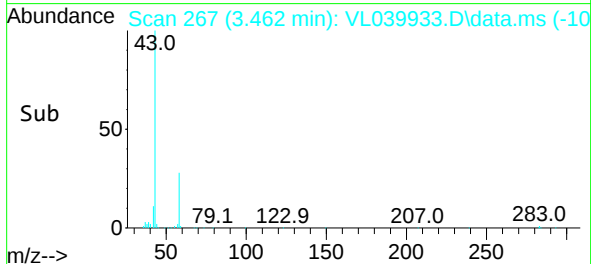
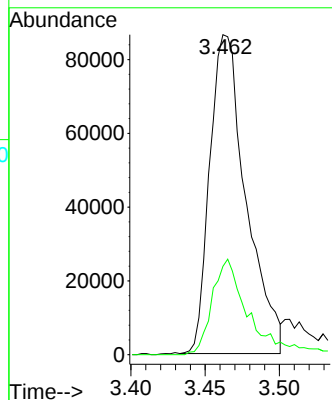
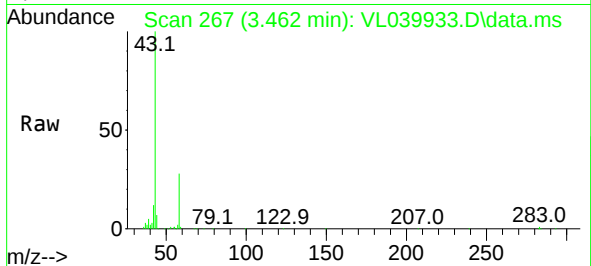




#15
Acetone
Concen: 1.184 ppbv
RT: 3.462 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

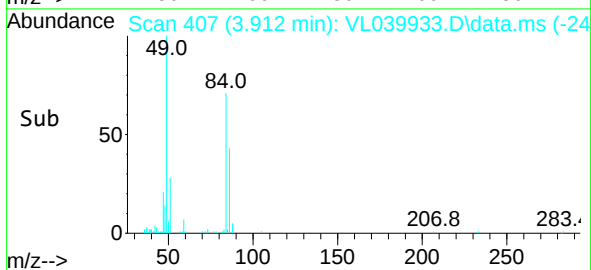
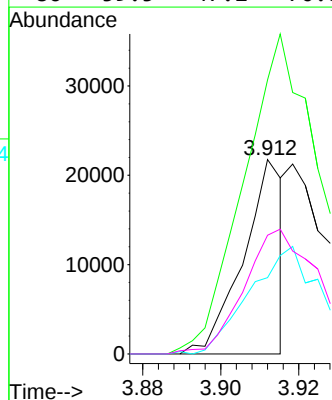
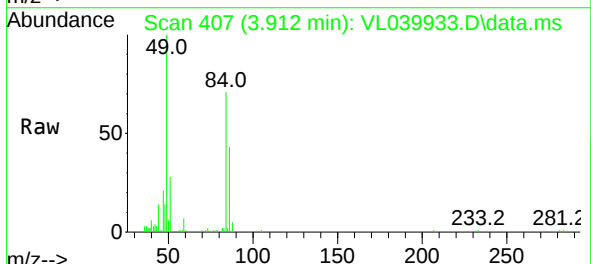
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

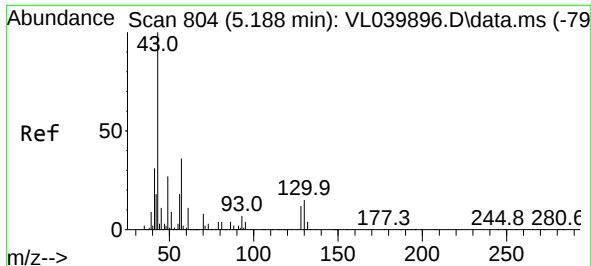
Tgt Ion: 43 Resp: 147097
Ion Ratio Lower Upper
43 100
58 31.0 22.9 34.3



#20
Methylene Chloride
Concen: 0.256 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.013 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

Tgt Ion: 84 Resp: 15419
Ion Ratio Lower Upper
84 100
49 138.0 122.2 183.4
51 38.0 36.3 54.5
86 59.5 47.2 70.8

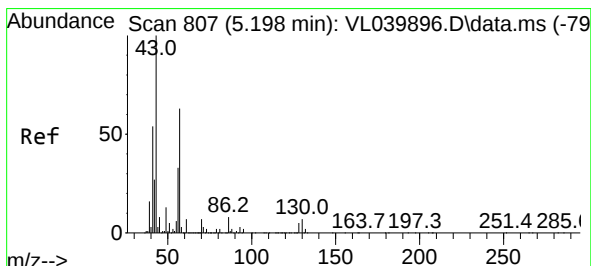
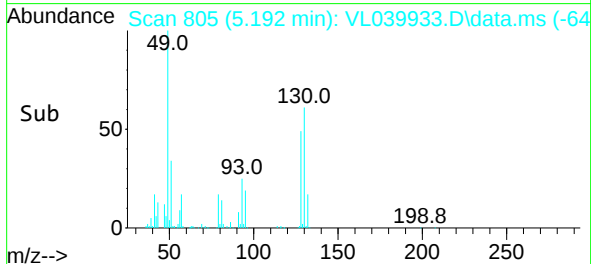
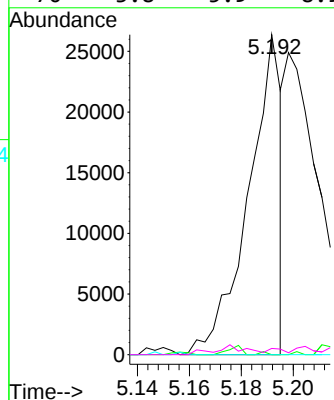
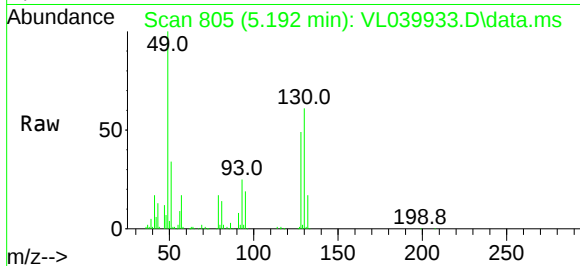




#25
Ethyl Acetate
Concen: 0.101 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.022 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

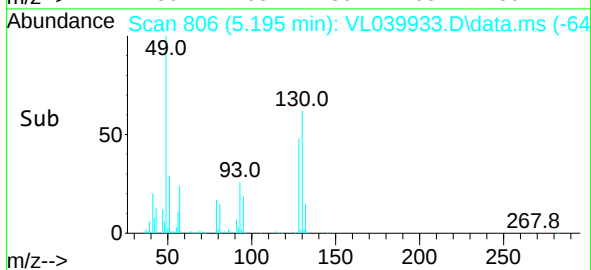
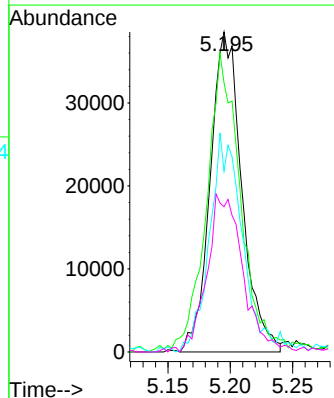
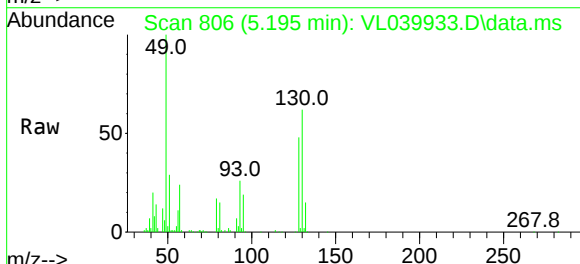
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

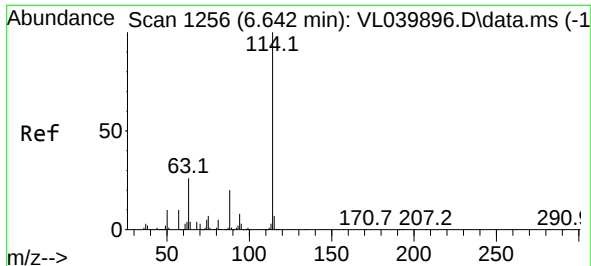
Tgt Ion:	43	Resp:	23006
Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.4	12.6#
61	0.0	8.5	12.7#
70	3.8	5.9	8.9#



#26
Hexane
Concen: 0.683 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.013 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

Tgt Ion:	57	Resp:	68021
Ion	Ratio	Lower	Upper
57	100		
41	102.2	72.3	108.5
43	70.4	188.7	283.1#
56	56.0	42.4	63.6

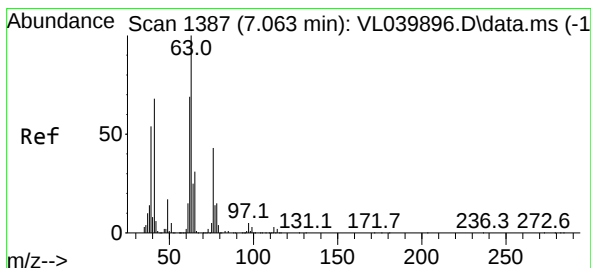
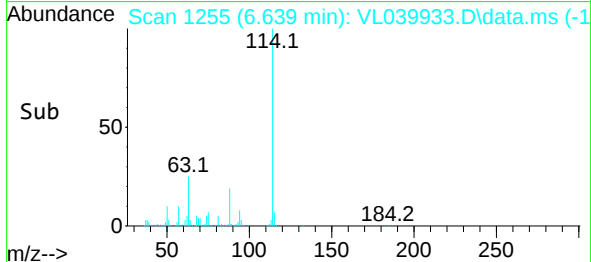
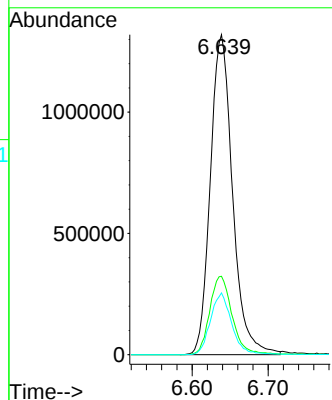
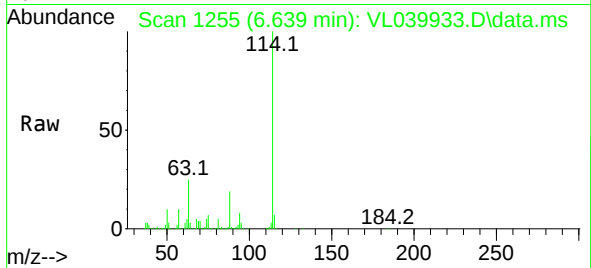




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

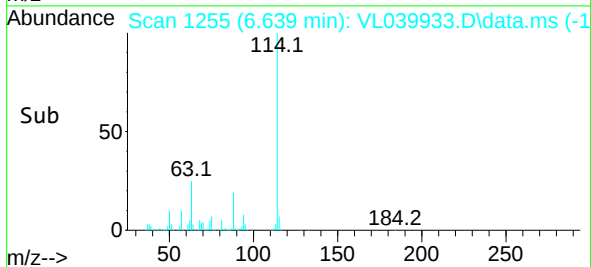
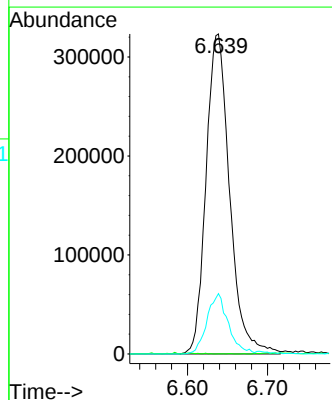
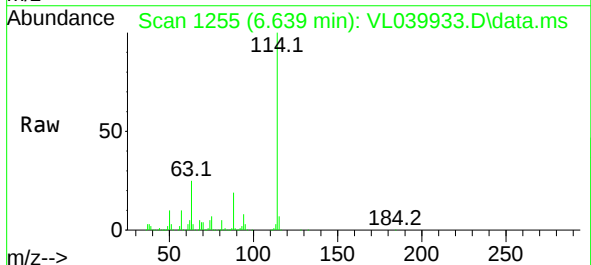
Instrument :
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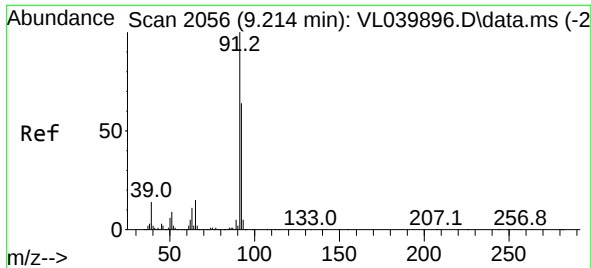
Tgt Ion:114 Resp: 2678710
Ion Ratio Lower Upper
114 100
63 25.0 21.4 32.0
88 18.6 15.3 22.9



#39
1,2-Dichloropropane
Concen: 7.465 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.402 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

Tgt Ion: 63 Resp: 662201
Ion Ratio Lower Upper
63 100
41 0.1 54.7 82.1#
62 18.8 55.0 82.6#

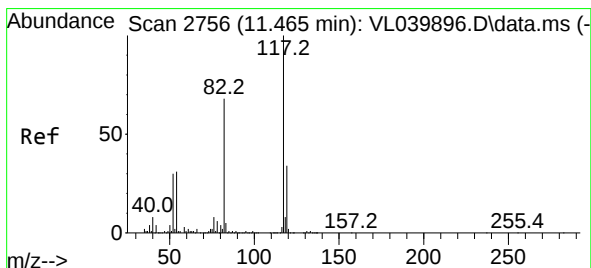
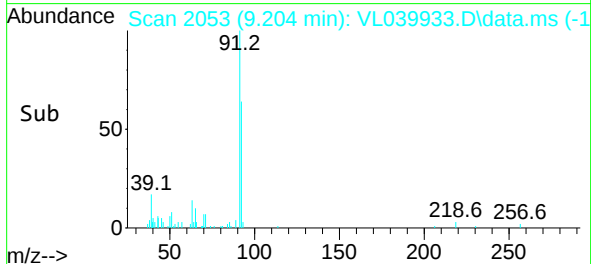
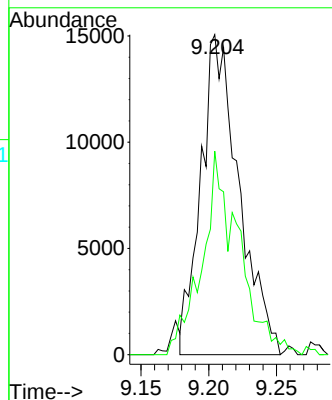
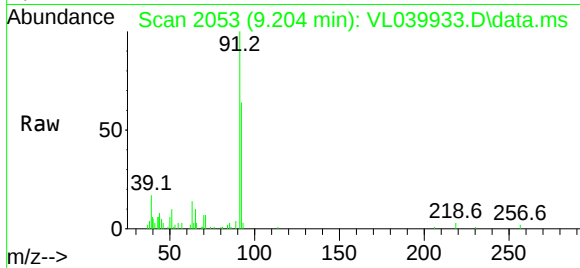




#53
Toluene
Concen: 0.114 ppbv
RT: 9.204 min Scan# 2056
Delta R.T. 0.013 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

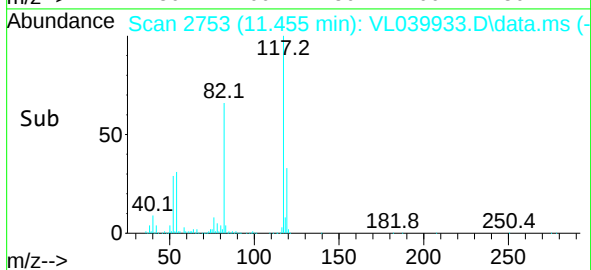
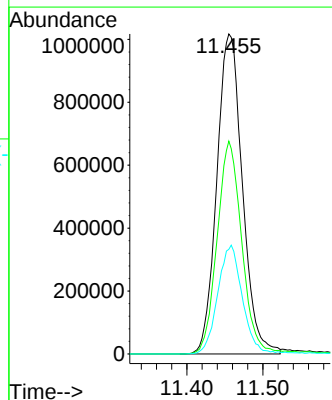
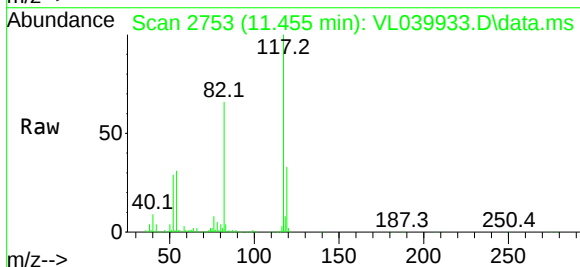
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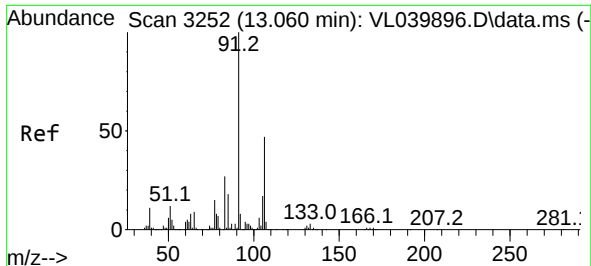
Tgt Ion: 91 Resp: 29499
Ion Ratio Lower Upper
91 100
92 61.7 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.016 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

Tgt Ion: 117 Resp: 2376088
Ion Ratio Lower Upper
117 100
82 64.8 52.3 78.5
119 33.2 25.7 38.5

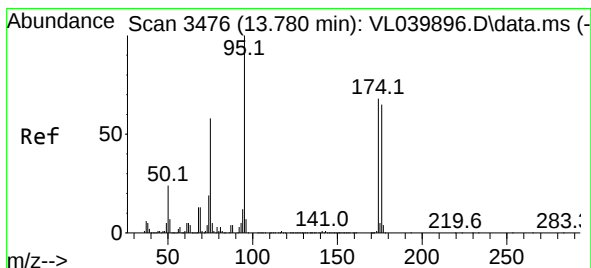
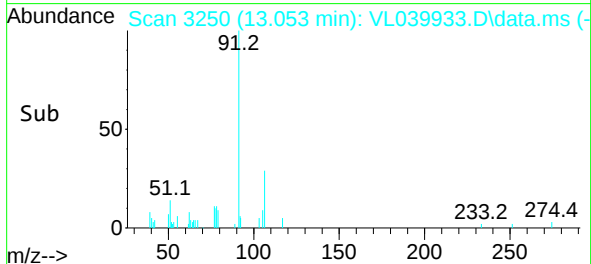
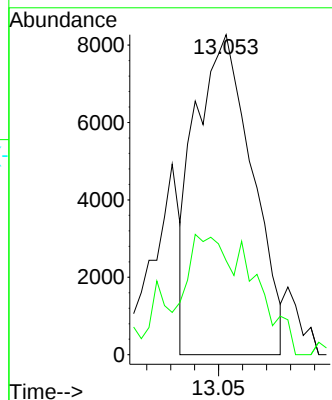
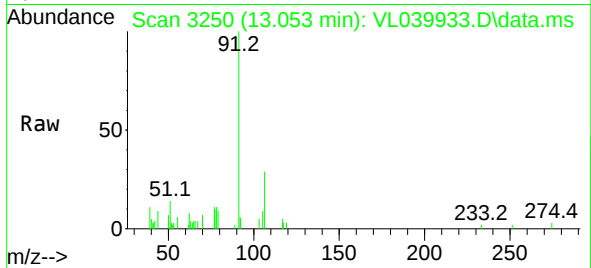




#60
o-Xylene
Concen: 0.053 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

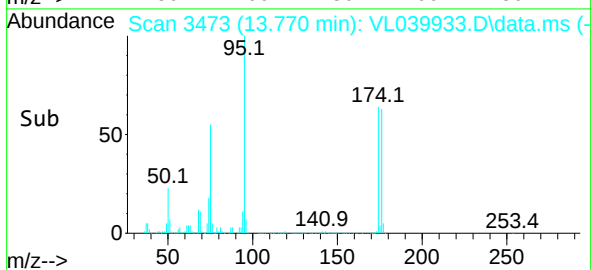
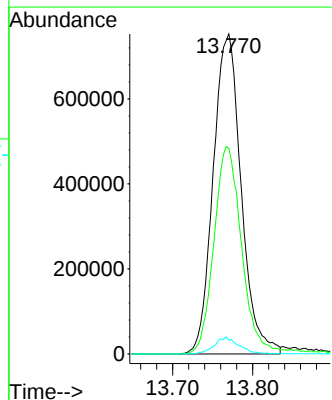
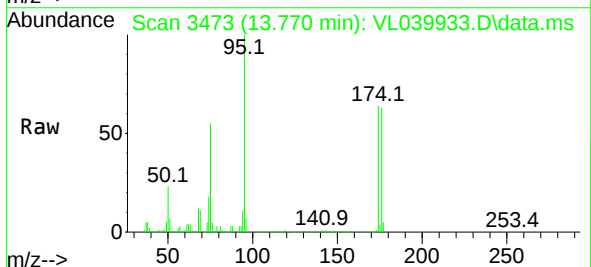
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

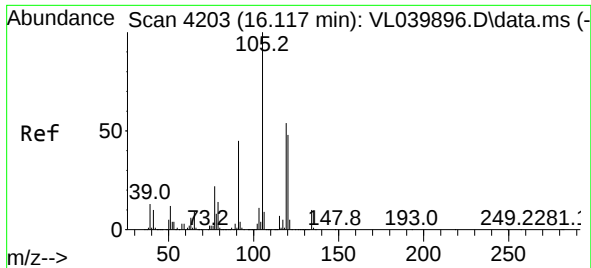
Tgt Ion: 91 Resp: 13649
Ion Ratio Lower Upper
91 100
106 0.0 23.2 69.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.078 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.016 min
Lab File: VL039933.D
Acq: 23 Nov 2022 1:59

Tgt Ion: 95 Resp: 1829103
Ion Ratio Lower Upper
95 100
174 65.5 53.7 80.5
175 4.6 4.0 6.0





#74

1,2,4-Trimethylbenzene

Concen: 0.099 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL039933.D

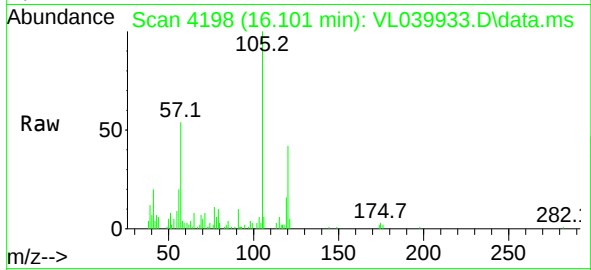
Acq: 23 Nov 2022 1:59

Instrument :

MSVOA_L

ClientSampleId :

SV2DL



Tgt Ion:105 Resp: 27771

Ion Ratio Lower Upper

105 100

120 44.0 38.7 58.1

91 7.2 36.4 54.6#

77 10.8 17.4 26.0#

