

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039701.D
 Acq On : 10 Oct 2022 18:17
 Operator : SY/AP
 Sample : N5040-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02

Quant Time: Oct 11 07:19:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

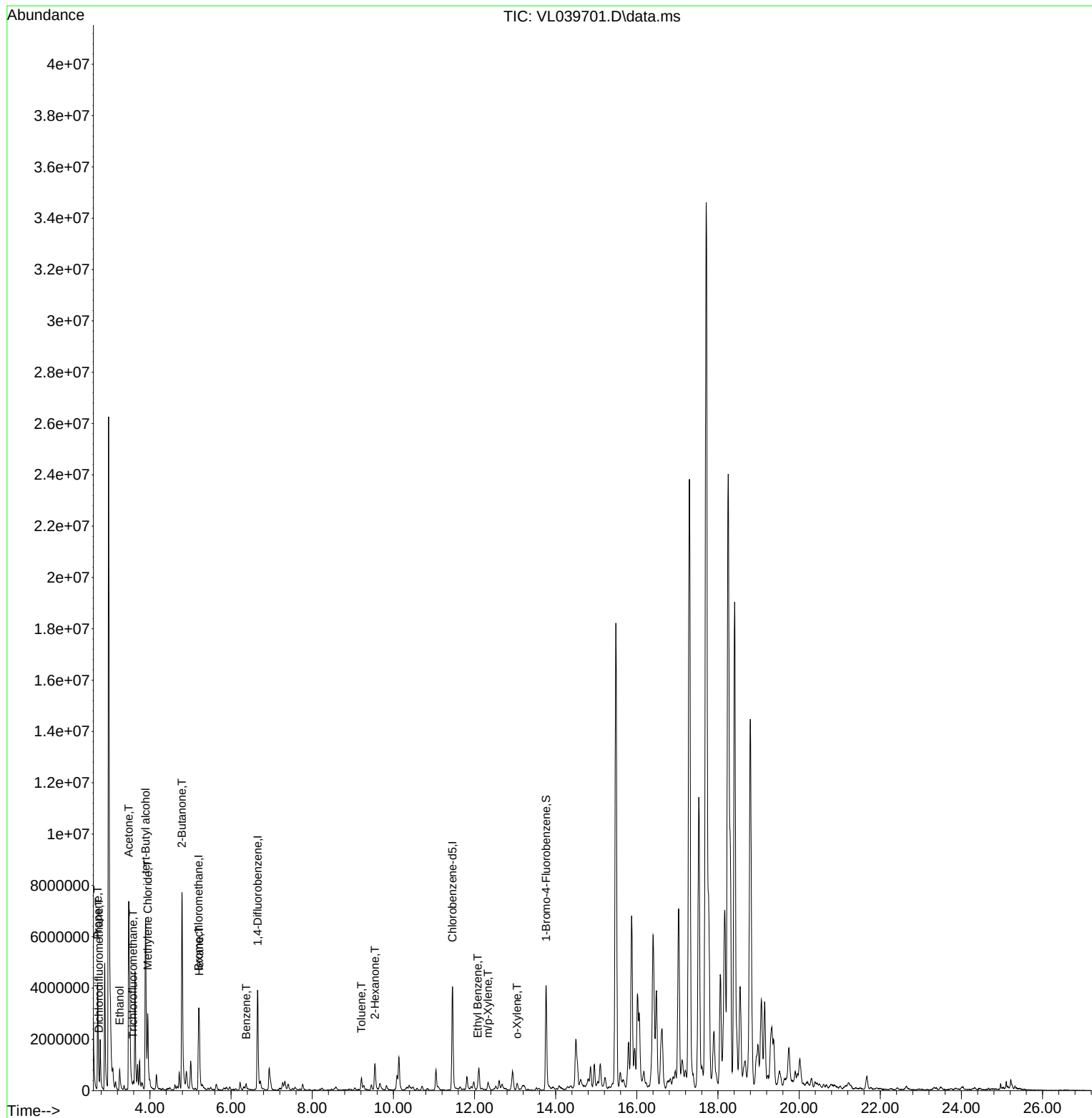
Internal Standards						
1) Bromochloromethane	5.198	49	1173022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2980929	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2732959	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2043255	10.015	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	12782	0.094	ppbv	95
9) Propene	2.713	41	1889194	29.715	ppbv	98
11) Trichlorofluoromethane	3.581	101	15934	0.095	ppbv	91
13) Ethanol	3.253	45	918101	189.527	ppbv	71
15) Acetone	3.478	43	8357491	64.028	ppbv #	41
17) tert-Butyl alcohol	3.893	59	6256725	53.413	ppbv	99
20) Methylene Chloride	3.947	84	922813	15.291	ppbv	97
26) Hexane	5.218	57	808070	6.690	ppbv #	38
34) 2-Butanone	4.790	43	9986078	68.202	ppbv	98
36) Benzene	6.372	78	195963	0.860	ppbv	96
51) 2-Hexanone	9.545	43	987009	5.795	ppbv #	100
53) Toluene	9.214	91	365134	1.441	ppbv	99
58) Ethyl Benzene	12.079	91	118546m	0.376	ppbv	
59) m/p-Xylene	12.333	91	301538m	1.075	ppbv	
60) o-Xylene	13.050	91	160751	0.600	ppbv	100

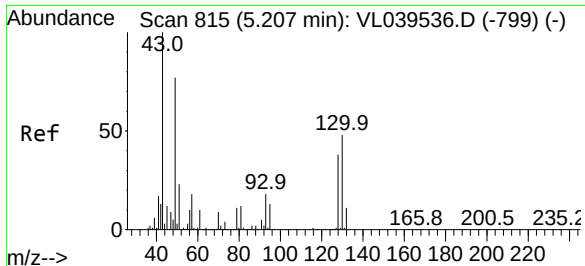
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-02

Quant Time: Oct 11 07:19:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration

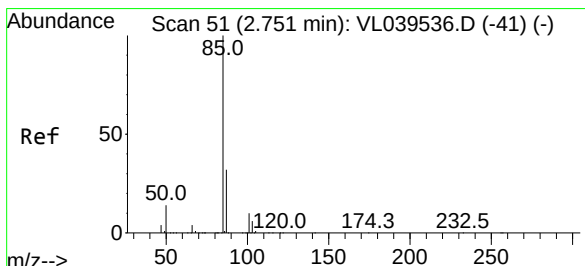
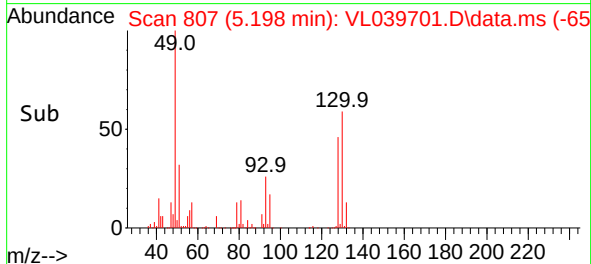
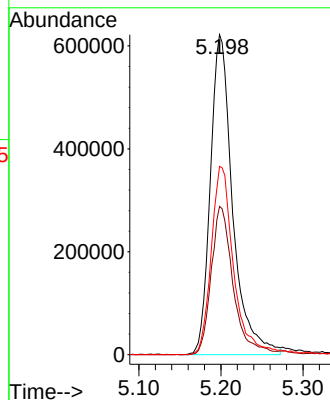
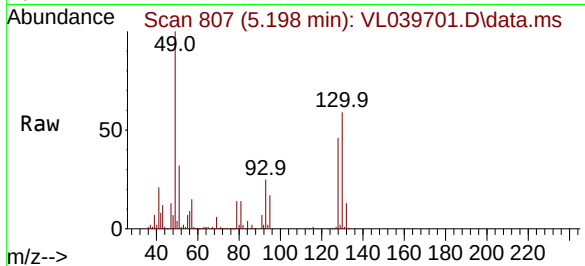




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. -0.009 min
 Lab File: VL039701.D
 Acq: 10 Oct 2022 18:17

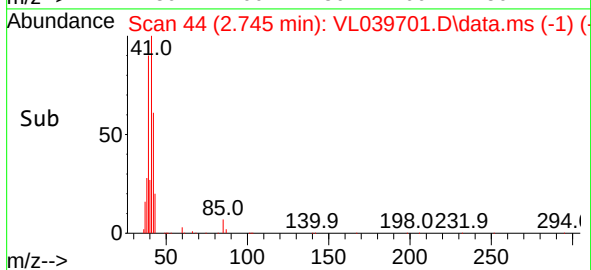
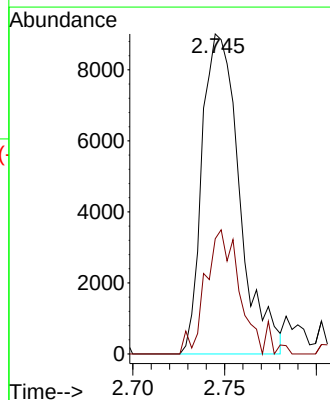
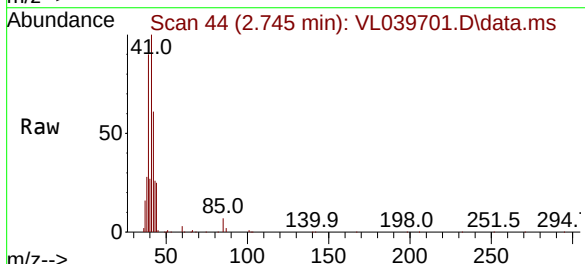
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02

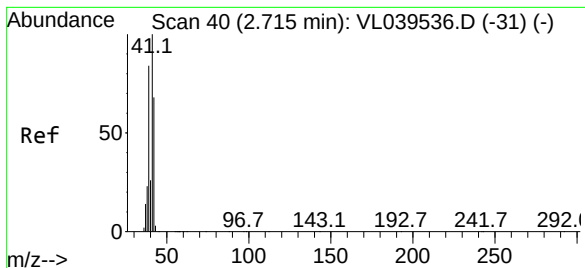
Tgt Ion: 49 Resp: 1173022
 Ion Ratio Lower Upper
 49 100
 128 47.2 26.7 80.0
 130 60.9 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.094 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. -0.006 min
 Lab File: VL039701.D
 Acq: 10 Oct 2022 18:17

Tgt Ion: 85 Resp: 12782
 Ion Ratio Lower Upper
 85 100
 87 36.0 26.7 40.1

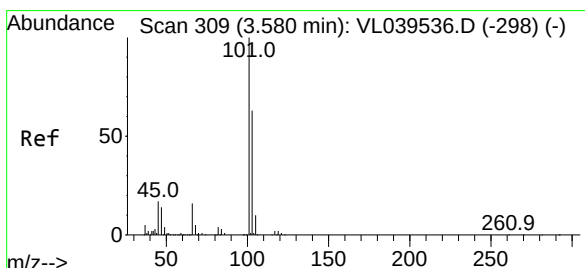
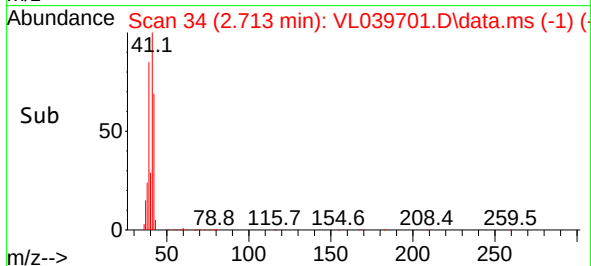
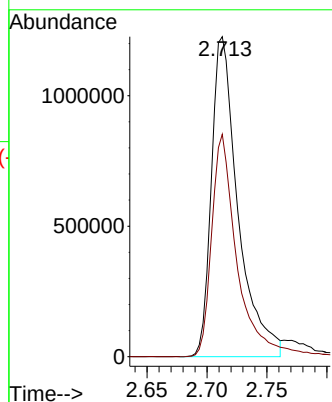
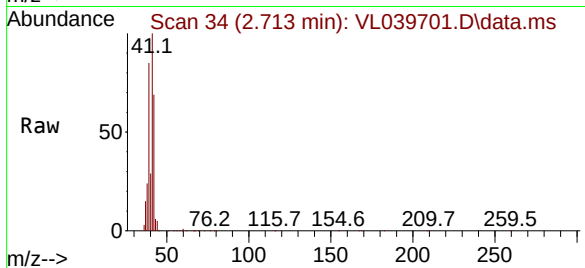




#9
 Propene
 Concen: 29.715 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL039701.D
 Acq: 10 Oct 2022 18:17

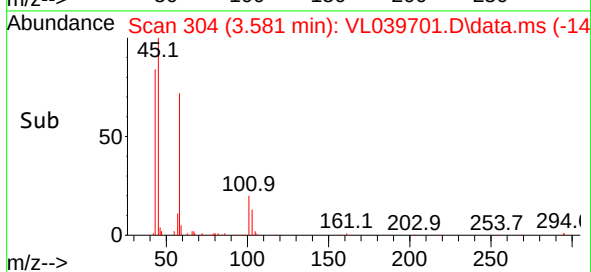
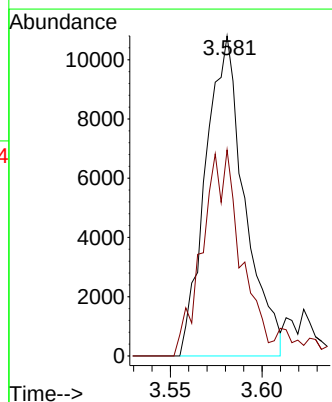
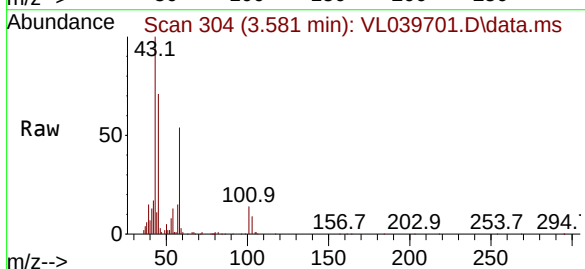
Instrument :
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 ClientSampleId :
 SVP-02

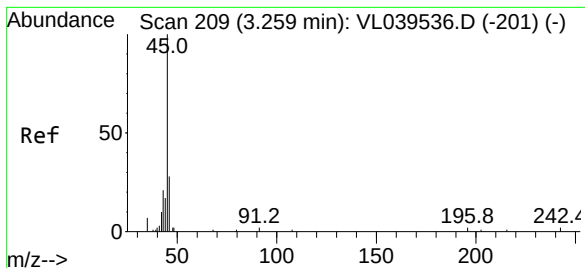
Tgt Ion: 41 Resp: 1889194
 Ion Ratio Lower Upper
 41 100
 42 67.1 55.2 82.8



#11
 Trichlorofluoromethane
 Concen: 0.095 ppbv
 RT: 3.581 min Scan# 304
 Delta R.T. 0.001 min
 Lab File: VL039701.D
 Acq: 10 Oct 2022 18:17

Tgt Ion: 101 Resp: 15934
 Ion Ratio Lower Upper
 101 100
 103 57.7 51.8 77.8

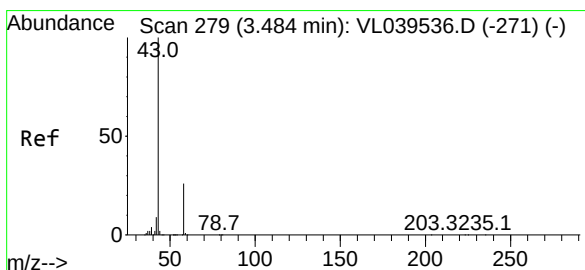
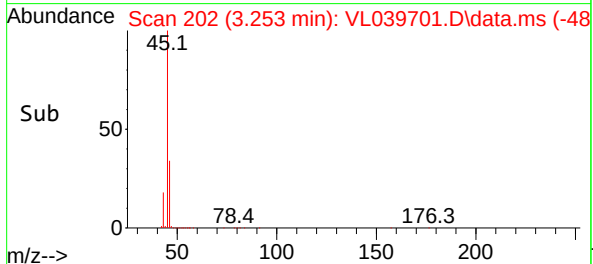
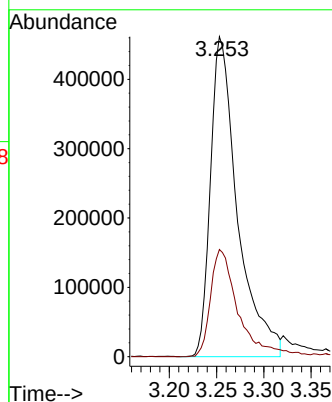
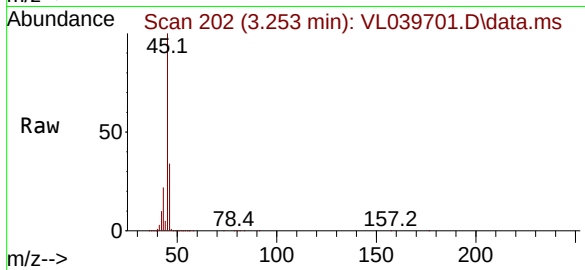




#13
Ethanol
Concen: 189.527 ppbv
RT: 3.253 min Scan# 209
Delta R.T. -0.006 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

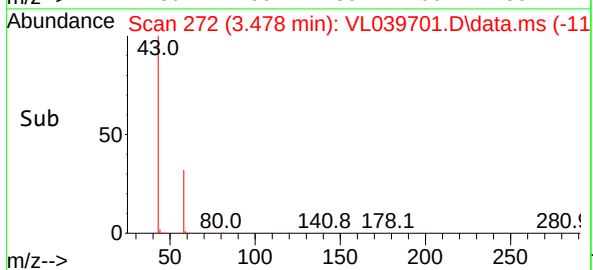
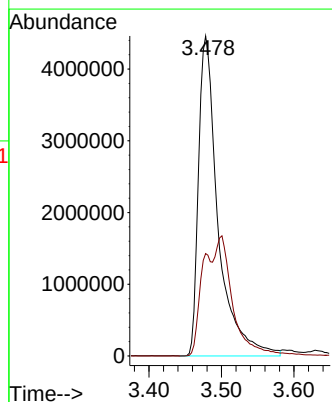
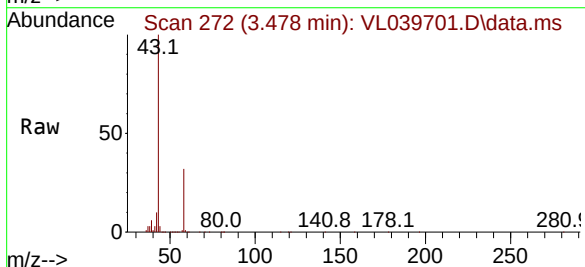
Instrument :
MSVOA_L
ClientSampleId :
SVP-02

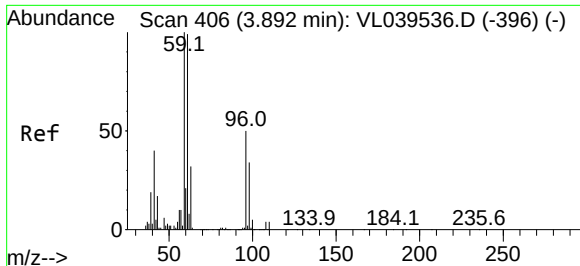
Tgt Ion: 45 Resp: 918101
Ion Ratio Lower Upper
45 100
46 35.7 22.8 91.2



#15
Acetone
Concen: 64.028 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.006 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

Tgt Ion: 43 Resp: 8357491
Ion Ratio Lower Upper
43 100
58 56.6 21.0 31.6#

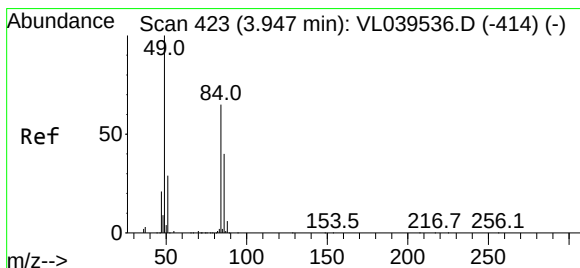
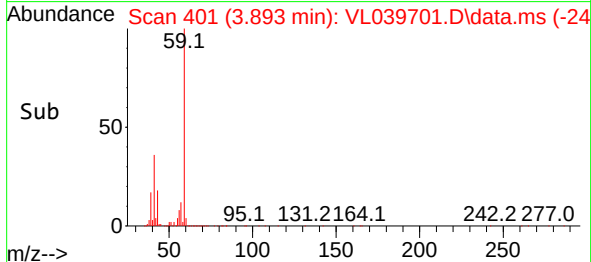
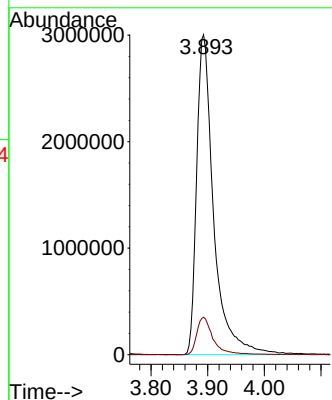
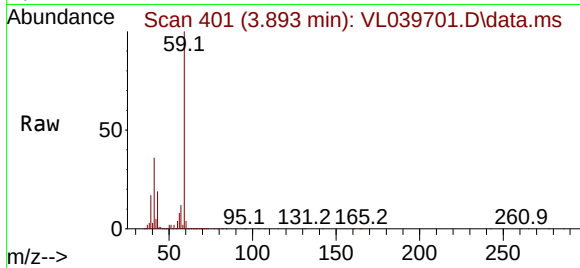




#17
tert-Butyl alcohol
Concen: 53.413 ppbv
RT: 3.893 min Scan# 406
Delta R.T. 0.001 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

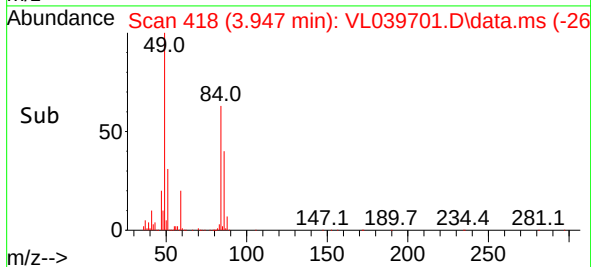
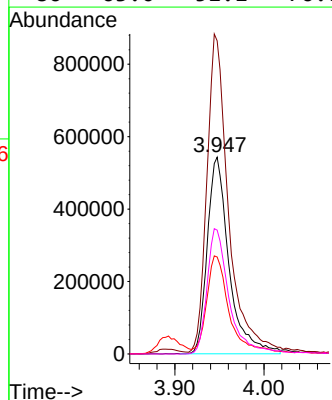
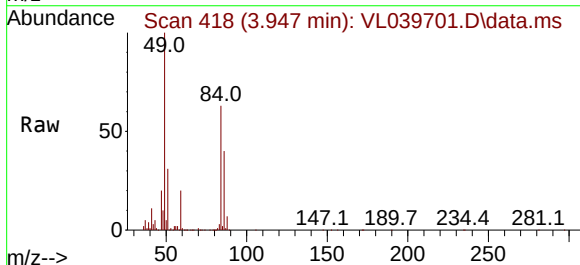
Instrument :
MSVOA_1
ClientSampleId :
SVP-02

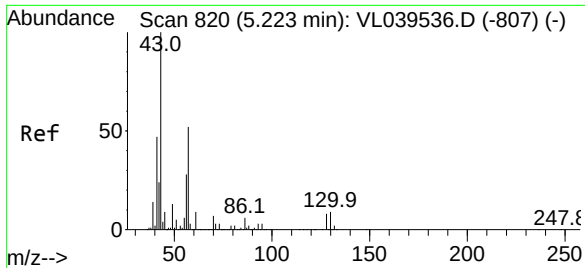
Tgt Ion: 59 Resp: 6256725
Ion Ratio Lower Upper
59 100
57 11.3 8.7 13.1



#20
Methylene Chloride
Concen: 15.291 ppbv
RT: 3.947 min Scan# 418
Delta R.T. 0.001 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

Tgt Ion: 84 Resp: 922813
Ion Ratio Lower Upper
84 100
49 157.7 123.1 184.7
51 48.0 34.4 51.6
86 63.0 51.1 76.7

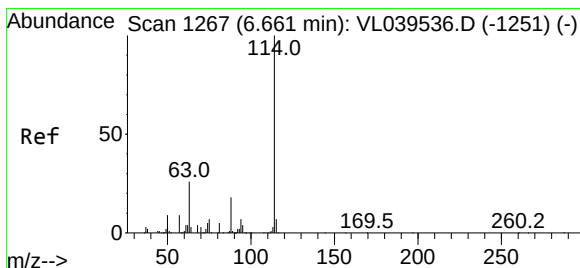
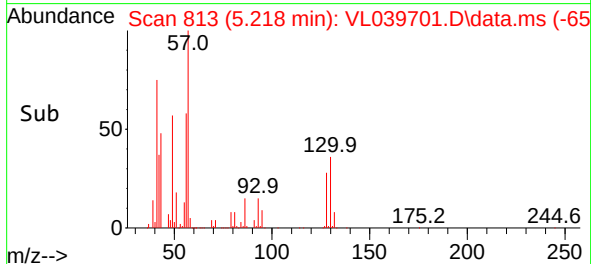
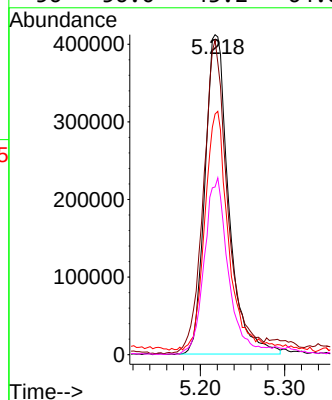
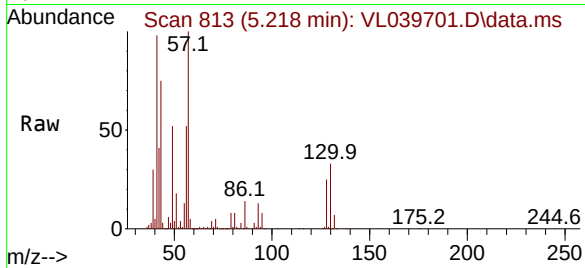




#26
Hexane
Concen: 6.690 ppbv
RT: 5.218 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

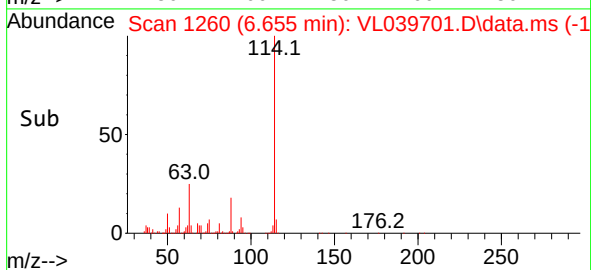
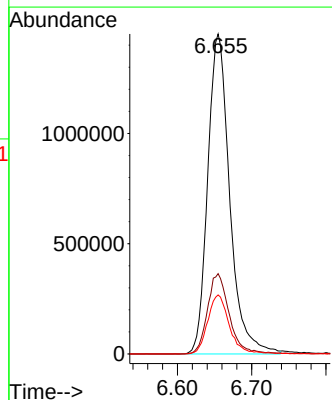
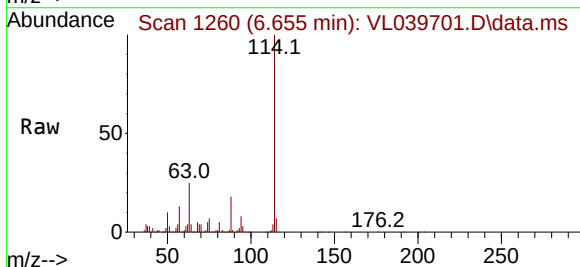
Instrument :
MSVOA_L
ClientSampleId :
SVP-02

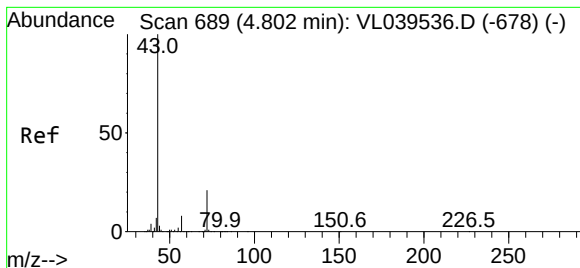
Tgt Ion: 57 Resp: 808070
Ion Ratio Lower Upper
57 100
41 105.2 76.9 115.3
43 76.2 191.0 286.6#
56 56.0 43.2 64.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

Tgt Ion:114 Resp: 2980929
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.3 14.5 21.7

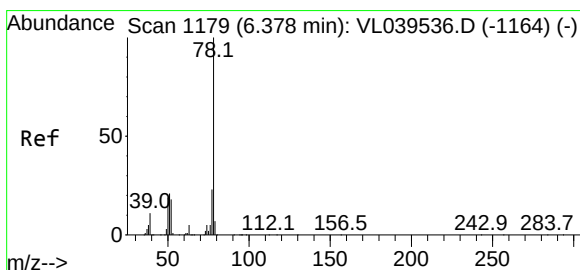
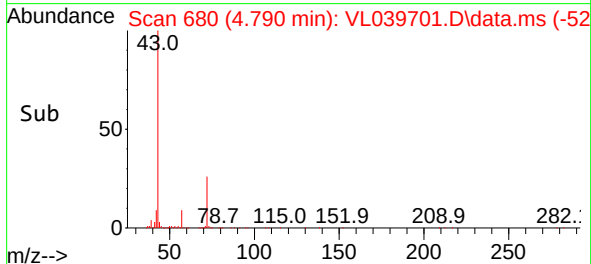
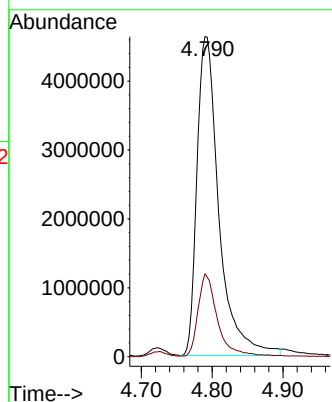
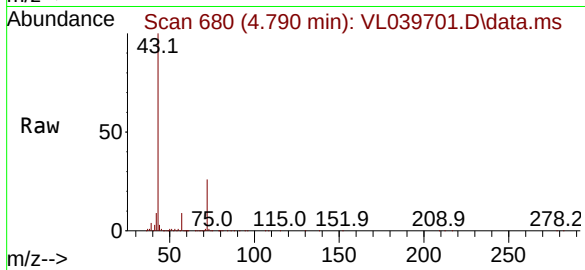




#34
2-Butanone
Concen: 68.202 ppbv
RT: 4.790 min Scan# 61
Delta R.T. -0.012 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

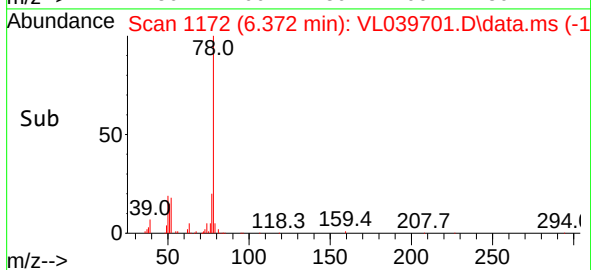
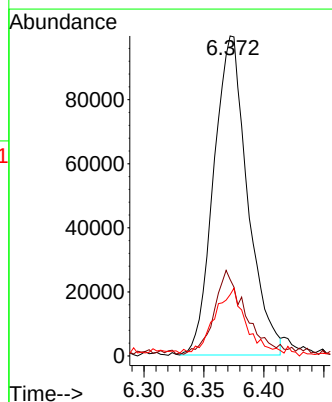
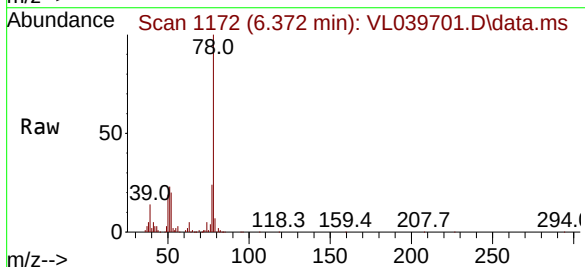
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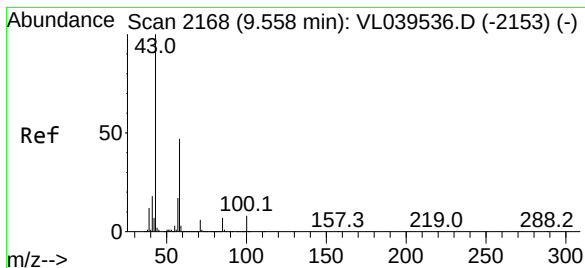
Tgt Ion: 43 Resp: 9986078
Ion Ratio Lower Upper
43 100
72 23.2 17.9 26.9



#36
Benzene
Concen: 0.860 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

Tgt Ion: 78 Resp: 195963
Ion Ratio Lower Upper
78 100
77 23.0 20.3 30.5
50 18.3 15.5 23.3

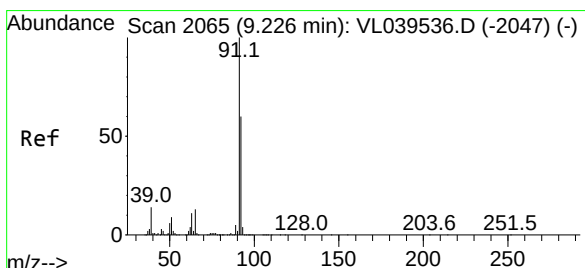
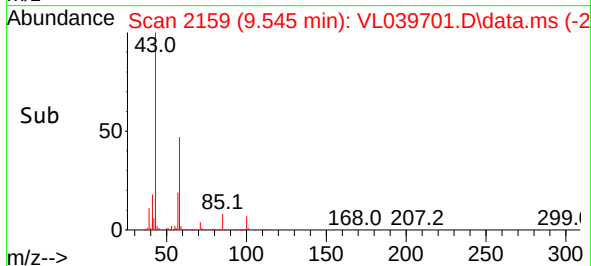
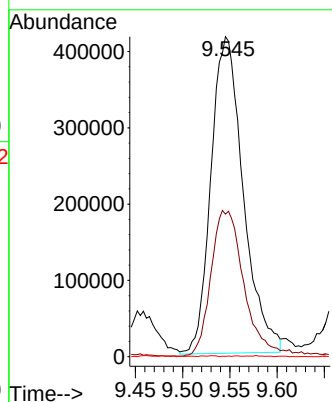
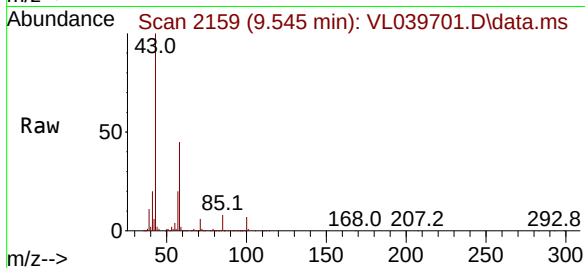




#51
2-Hexanone
Concen: 5.795 ppbv
RT: 9.545 min Scan# 2168
Delta R.T. -0.012 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

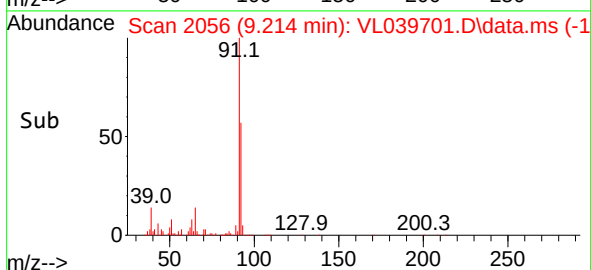
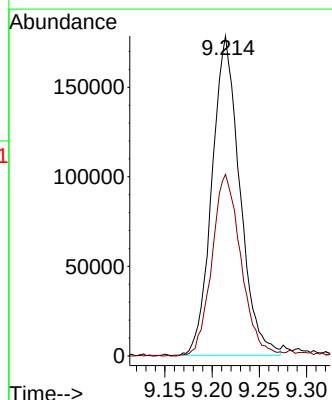
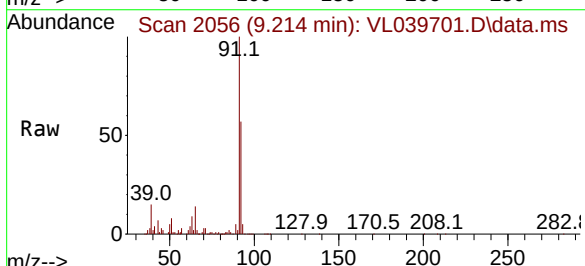
Instrument :
MSVOA_L
ClientSampleId :
SVP-02

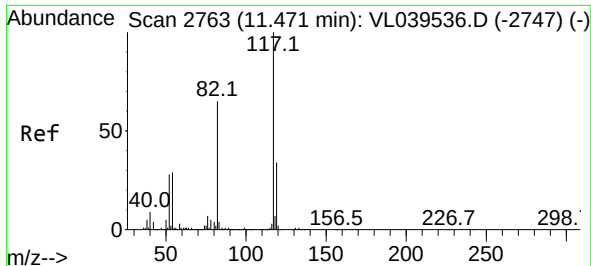
Tgt Ion: 43 Resp: 987009
Ion Ratio Lower Upper
43 100
58 48.3 38.4 57.6
98 0.2 0.3 0.5#



#53
Toluene
Concen: 1.441 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.012 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

Tgt Ion: 91 Resp: 365134
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.2

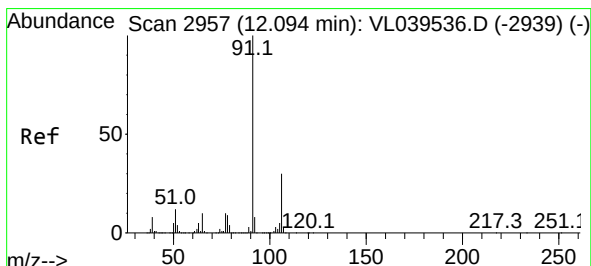
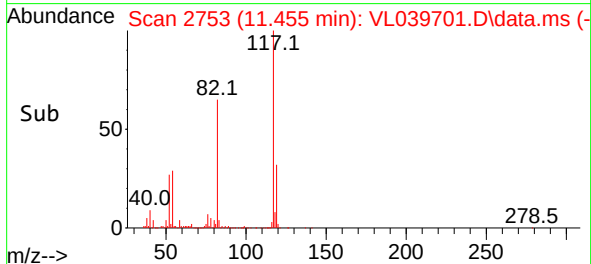
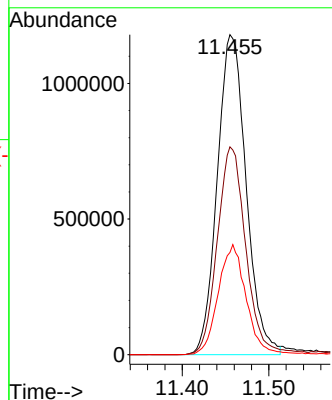
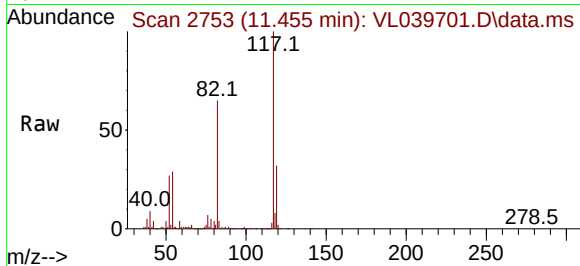




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.015 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

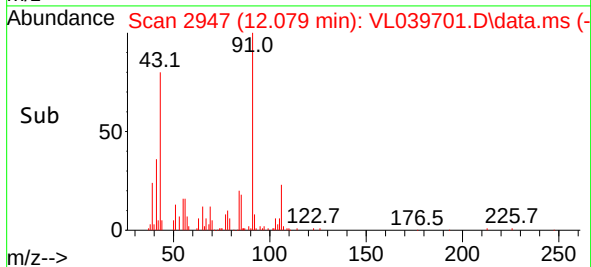
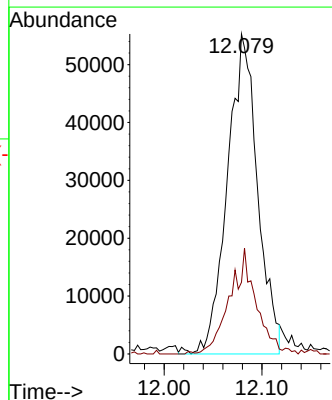
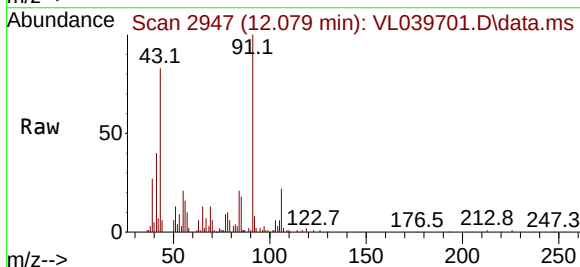
Instrument :
MSVOA_L
ClientSampleId :
SVP-02

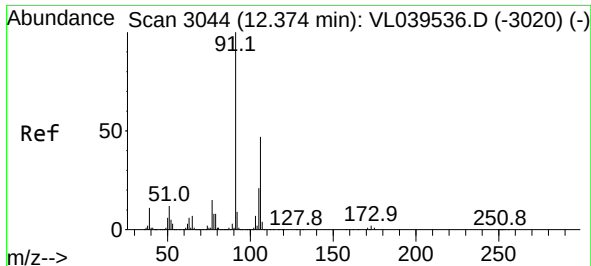
Tgt Ion:117 Resp: 2732959
Ion Ratio Lower Upper
117 100
82 65.5 50.8 76.2
119 33.6 24.1 36.1



#58
Ethyl Benzene
Concen: 0.376 ppbv m
RT: 12.079 min Scan# 2947
Delta R.T. -0.015 min
Lab File: VL039701.D
Acq: 10 Oct 2022 18:17

Tgt Ion: 91 Resp: 118546
Ion Ratio Lower Upper
91 100
106 22.4 25.4 38.0#





#59

m/p-Xylene

Concen: 1.075 ppbv m

RT: 12.333 min Scan# 3044

Delta R.T. -0.041 min

Lab File: VL039701.D

Acq: 10 Oct 2022 18:17

Instrument :

MSVOA_L

ClientSampleId :

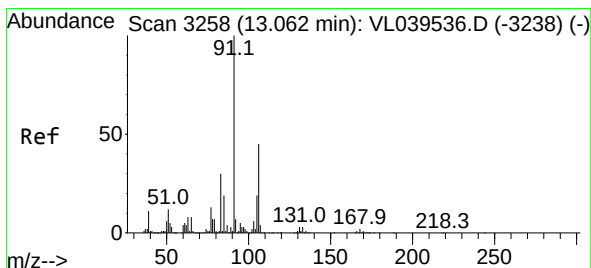
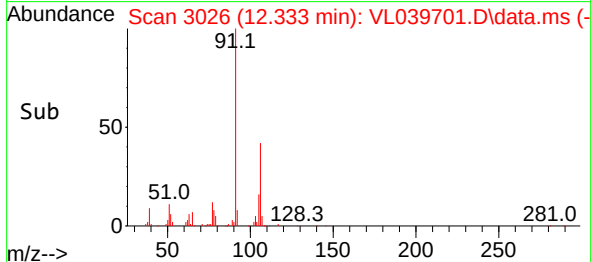
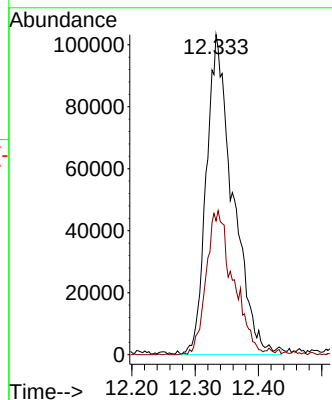
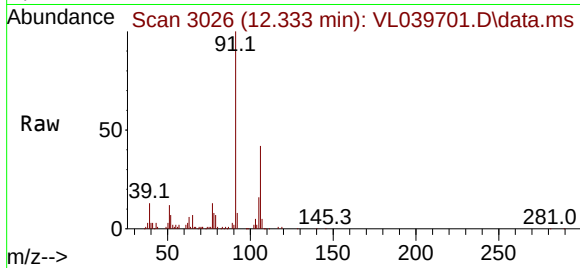
SVP-02

Tgt Ion: 91 Resp: 301538

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 0.600 ppbv

RT: 13.050 min Scan# 3249

Delta R.T. -0.012 min

Lab File: VL039701.D

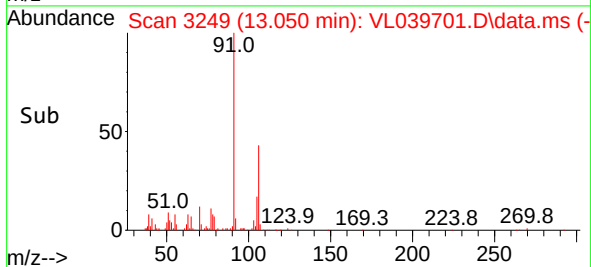
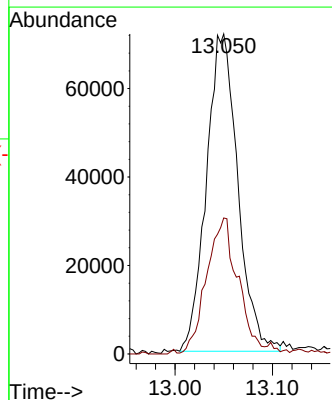
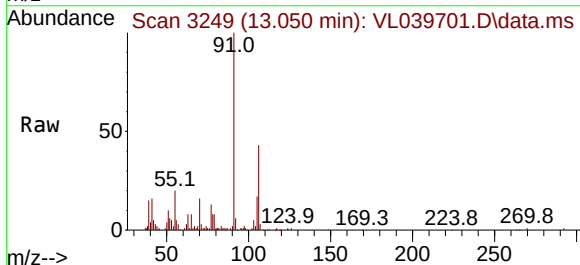
Acq: 10 Oct 2022 18:17

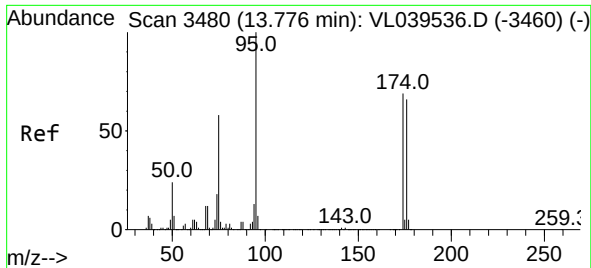
Tgt Ion: 91 Resp: 160751

Ion Ratio Lower Upper

91 100

106 45.2 22.4 67.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.015 ppbv
 RT: 13.764 min Scan# 34
 Delta R.T. -0.012 min
 Lab File: VL039701.D
 Acq: 10 Oct 2022 18:17

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-02

Tgt Ion: 95 Resp: 2043255

Ion	Ratio	Lower	Upper
95	100		
174	74.0	55.9	83.9
175	5.4	4.2	6.4

