Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
Data File : VL037735.D
Acq On : 30 Sep 2021 9:58
Operator : SY/AP
Sample : M3948-04DUPDL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV4DL2DUP

Quant Time: Oct 01 01:18:57 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1116729	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3565324	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	3145397	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2290504	10.08	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.80%				
Target Compounds							Qvalue
9) Propene	3.01	41	192873	2.596	ppbv		90
10) Heptane	8.12	43	5368	0.031	ppbv	#	1
13) Ethanol	3.61	45	2030	0.279	ppbv	#	33
15) Acetone	3.85	43	1602720	13.813	ppbv		99
16) 1,3-Butadiene	3.31	39	122940	1.696	ppbv	#	25
20) Methylene Chloride	4.34	84	18339	0.331	ppbv	#	86
25) Ethyl Acetate	5.68	43	11736	0.042	ppbv	#	90
26) Hexane	5.68	57	16567	0.124	ppbv	#	29
27) Carbon Disulfide	4.54	76	6315	0.052	ppbv	#	65
30) Cyclohexane	7.12	84	15738	0.138	ppbv	#	19
34) 2-Butanone	5.25	43	159039	1.098	ppbv	#	85
36) Benzene	6.89	78	22604	0.076	ppbv		94
39) 1,2-Dichloropropane	7.16	63	821945	7.218	ppbv	#	25
51) 2-Hexanone	10.14	43	6531	0.080	ppbv	#	29
52) Tetrachloroethene	11.21	164	5795	0.051	ppbv	#	24
58) Ethyl Benzene	12.97	91	41706	0.100	ppbv		89
59) m/p-Xylene	12.97	91	41706	0.115	ppbv	#	31
60) o-Xylene	13.68	91	32566	0.094	ppbv	#	30
62) Isopropylbenzene	14.65	105	25939	0.054	ppbv	#	57
64) n-propylbenzene	15.54	120	4345	0.035	ppbv	#	1
73) 1,3,5-Trimethylbenzene	15.99	105	12838	0.035	ppbv		94
74) 1,2,4-Trimethylbenzene	16.74	105	79137	0.203	ppbv	#	76

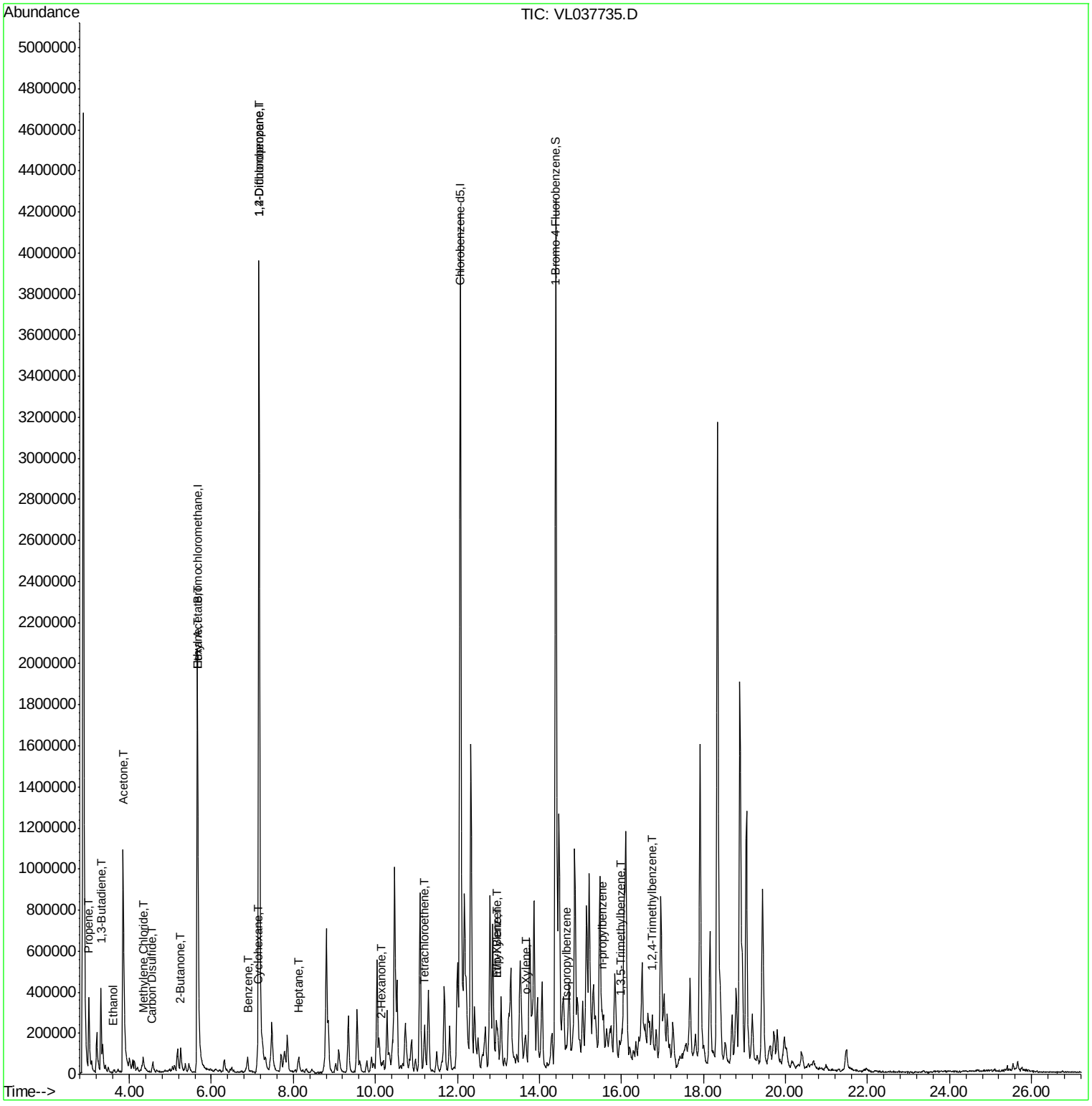
(#) = qualifier out of range (m) = manual integration (+) = signals summed

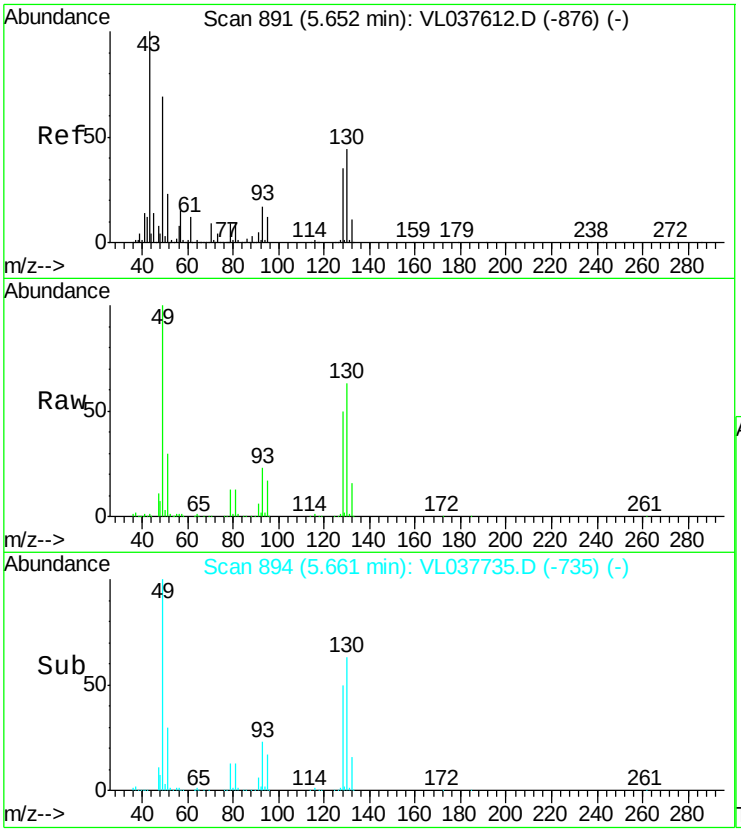
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
Data File : VL037735.D
Acq On : 30 Sep 2021 9:58
Operator : SY/AP
Sample : M3948-04DUPDL2 100X
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Quant Time: Oct 01 01:18:57 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration



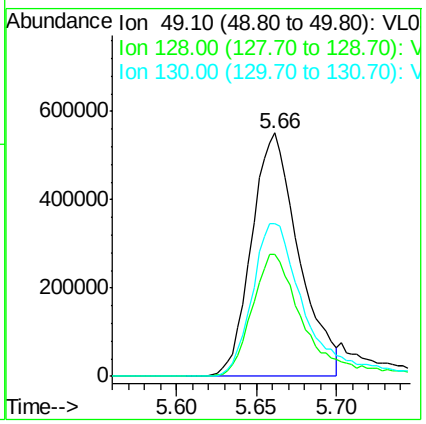


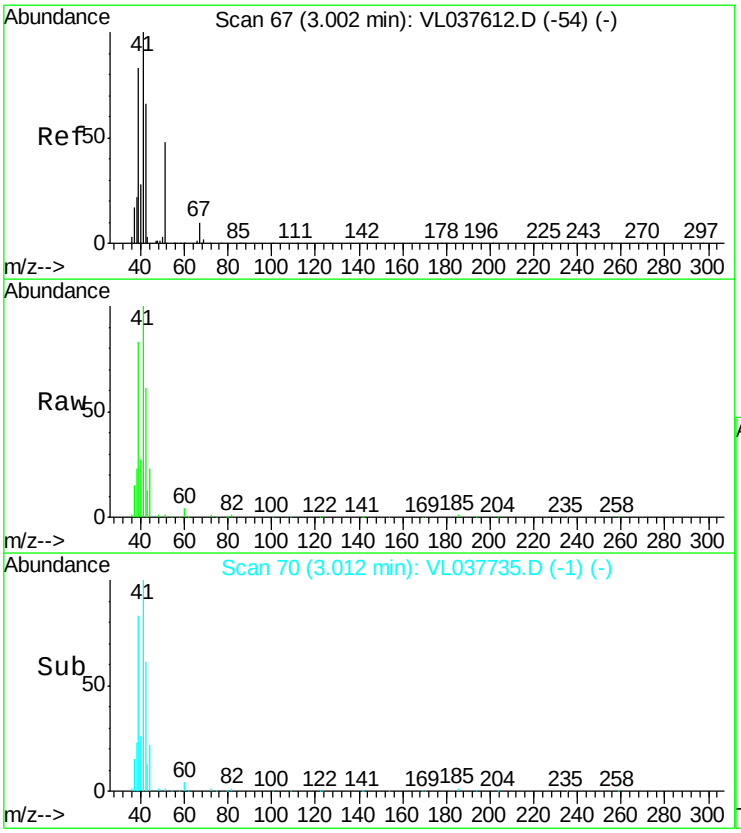
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion: 49 Resp: 1116729

Ion	Ratio	Lower	Upper
49	100		
128	57.7	27.9	83.6
130	73.0	33.9	101.7

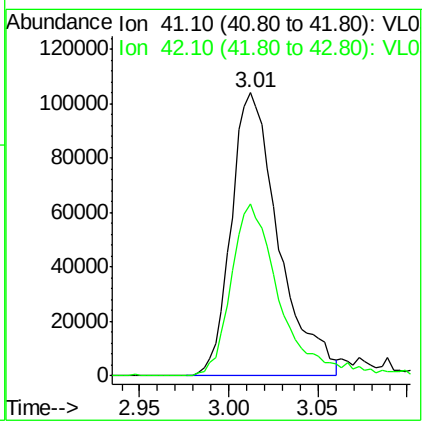


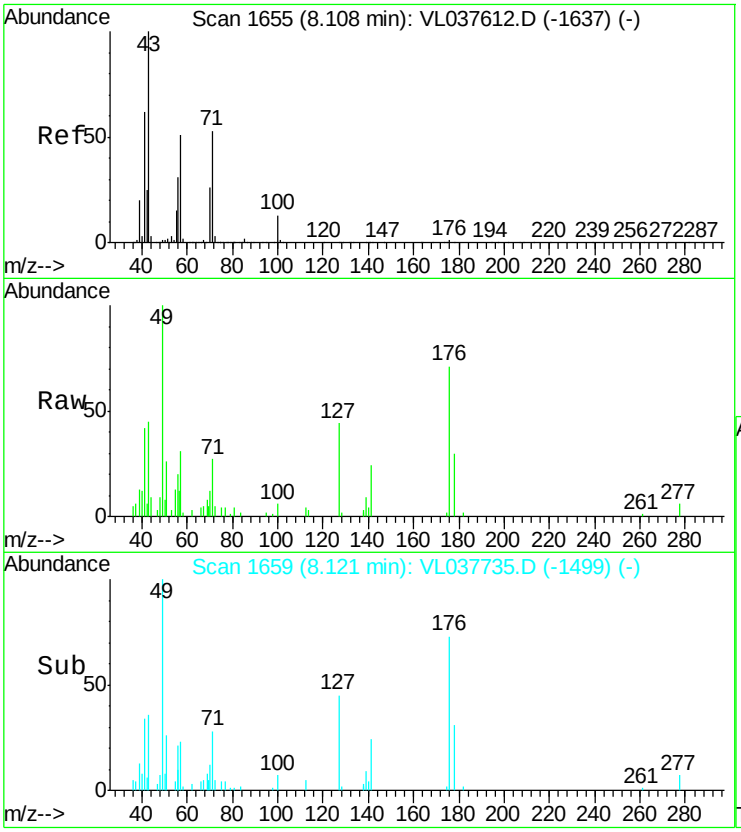


#9
Propene
Concen: 2.596 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 41 Resp: 192873

Ion	Ratio	Lower	Upper
41	100		
42	63.3	57.2	85.8



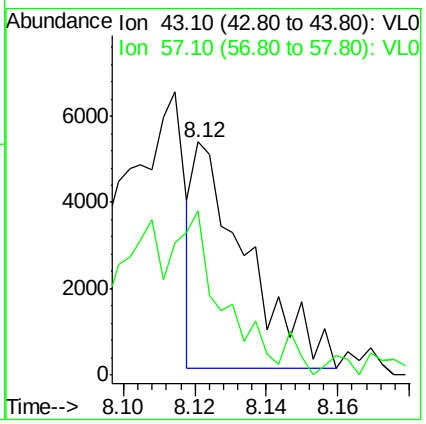


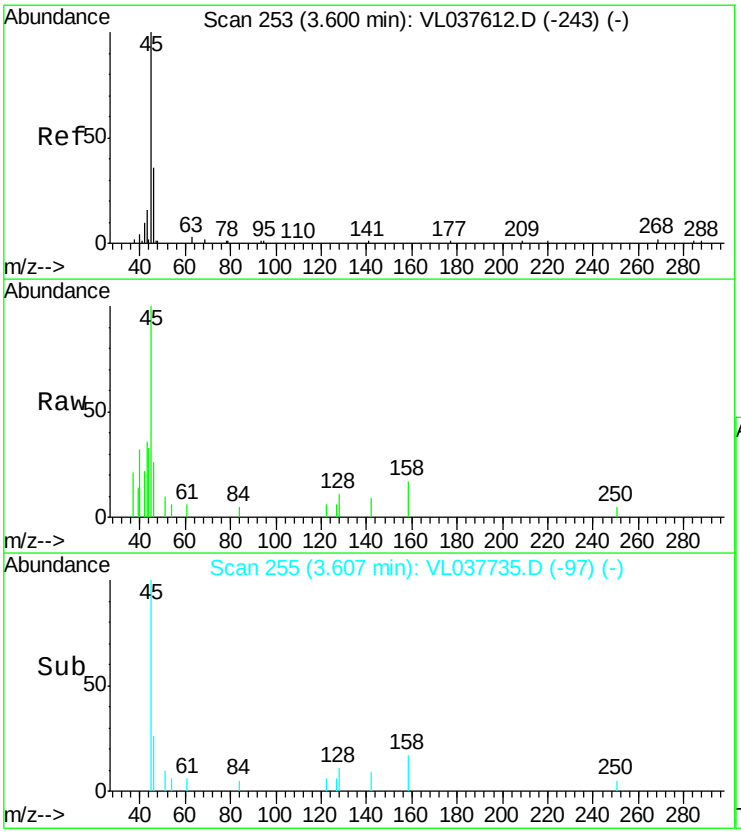
#10
Heptane
Concen: 0.031 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion: 43 Resp: 5368

Ion	Ratio	Lower	Upper
43	100		
57	152.0	40.1	60.1#

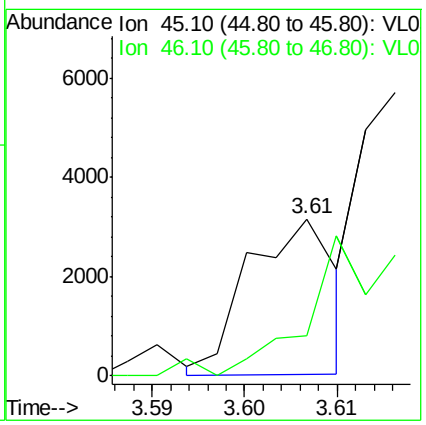


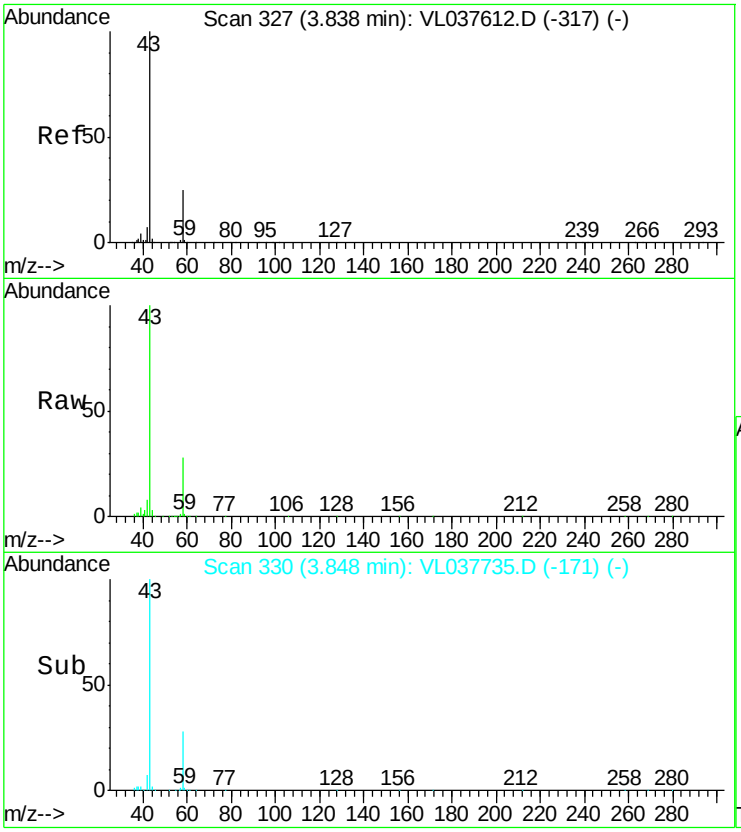


#13
Ethanol
Concen: 0.279 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 45 Resp: 2030

Ion	Ratio	Lower	Upper
45	100		
46	0.0	17.2	68.8#



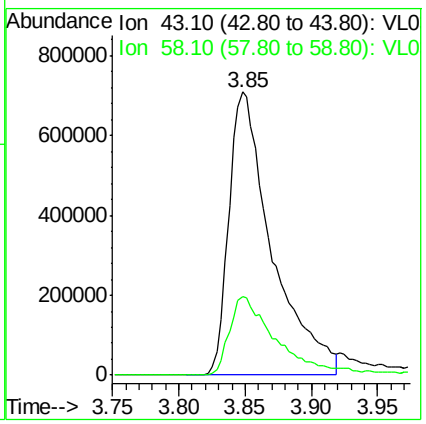


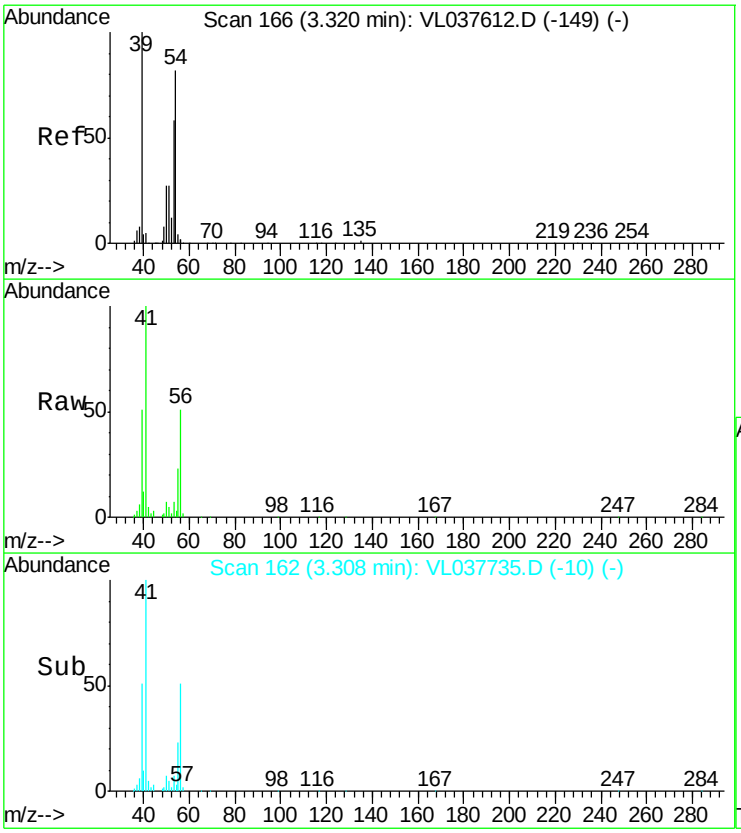
#15
Acetone
Concen: 13.813 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion: 43 Resp: 1602720

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.9	37.3

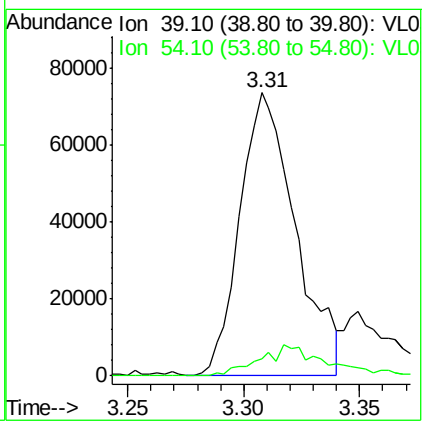


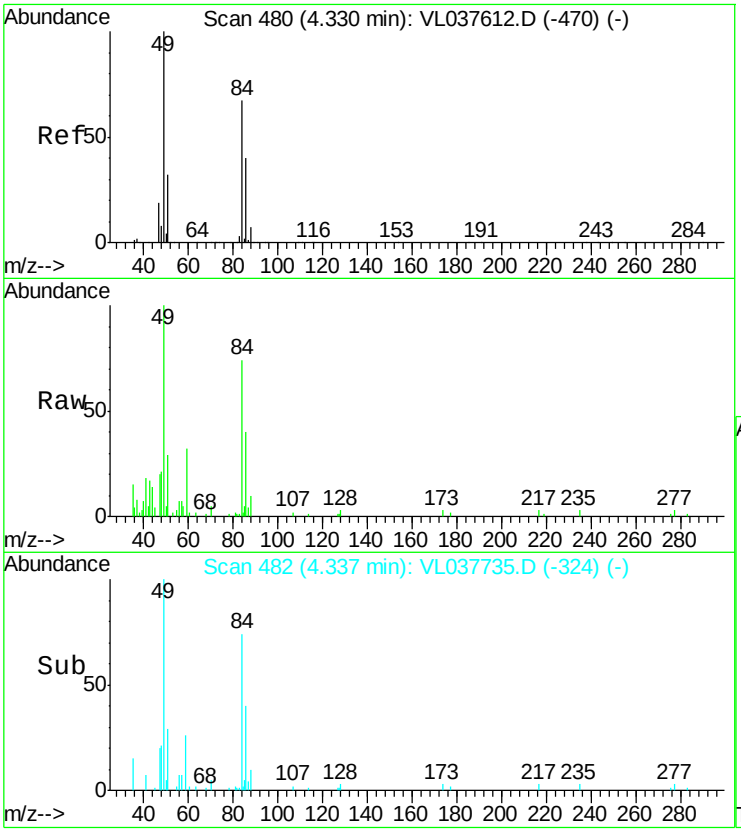


#16
1,3-Butadiene
Concen: 1.696 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 39 Resp: 122940

Ion	Ratio	Lower	Upper
39	100		
54	13.2	62.6	93.8#



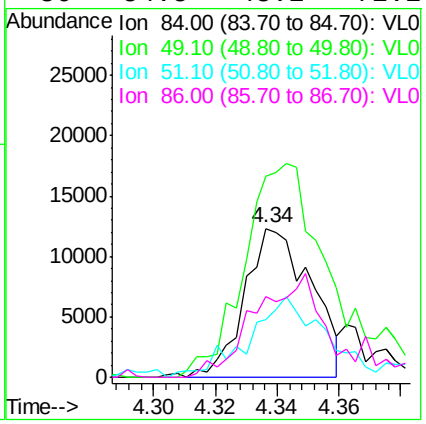


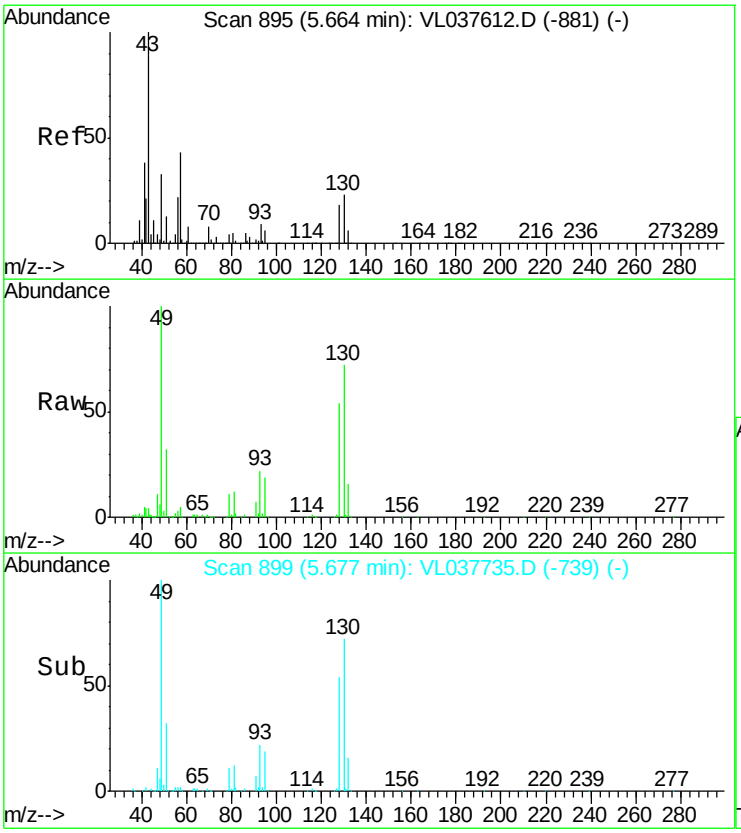
#20
Methylene Chloride
Concen: 0.331 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument : MSVOA_L
ClientSampleId : SV4DL2DUP

Tgt Ion: 84 Resp: 18339

Ion	Ratio	Lower	Upper
84	100		
49	130.3	120.0	180.0
51	34.5	38.0	57.0#
86	54.5	48.2	72.2

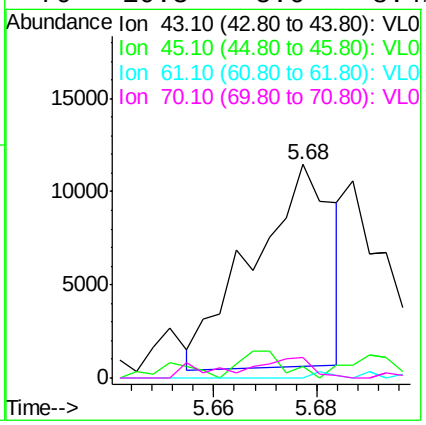


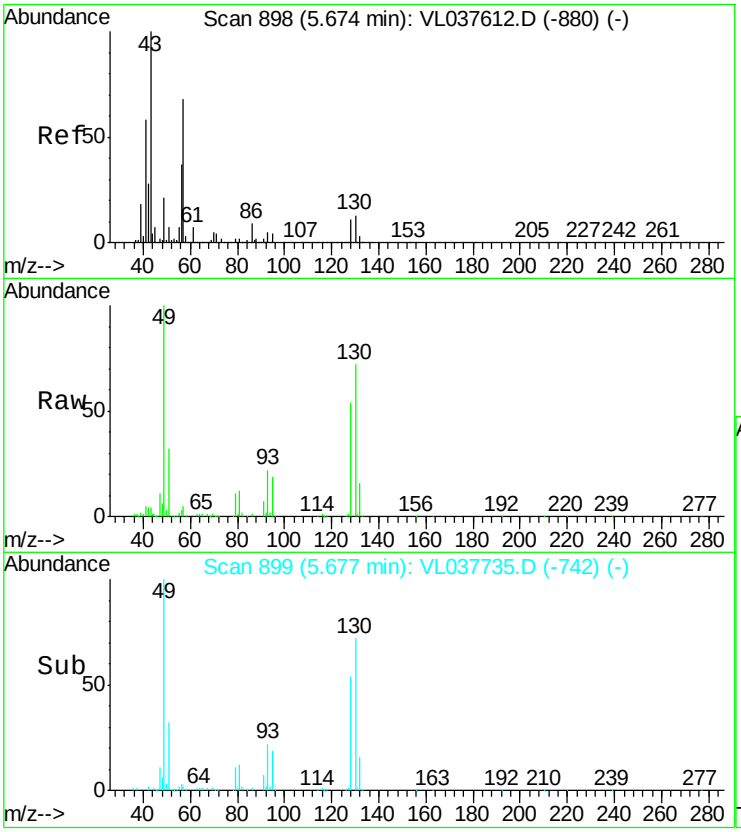


#25
Ethyl Acetate
Concen: 0.042 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 43 Resp: 11736

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.0	12.0
61	1.7	7.5	11.3#
70	10.3	5.6	8.4#



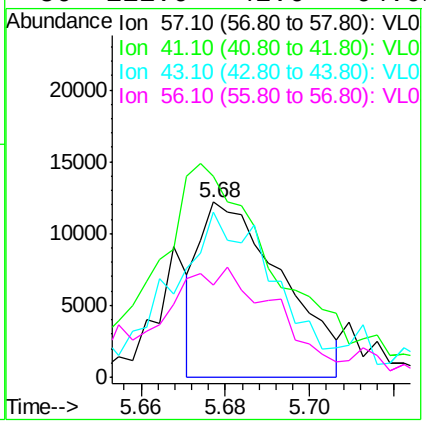


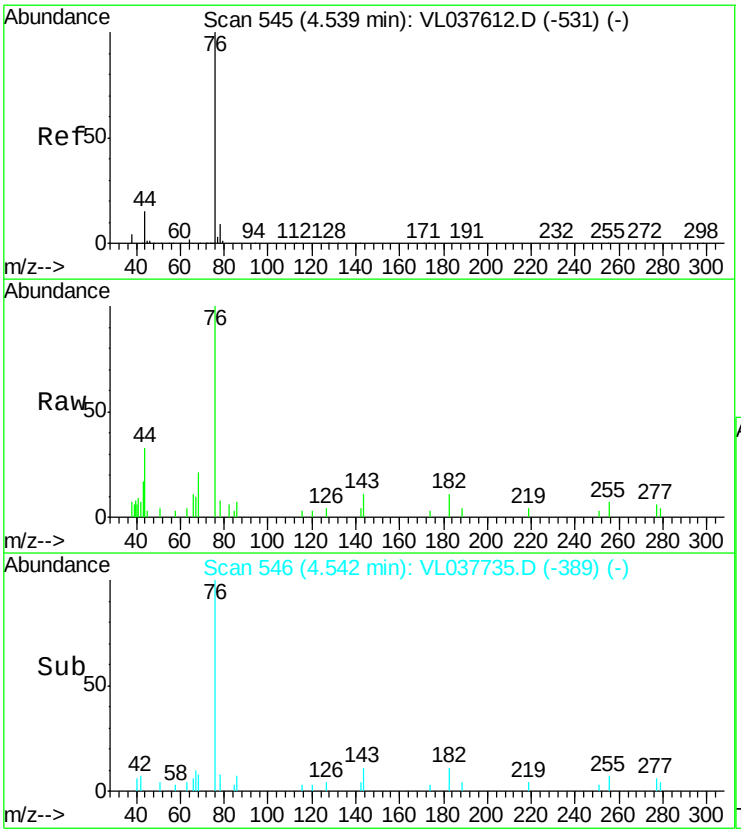
#26
Hexane
Concen: 0.124 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion: 57 Resp: 16567

Ion	Ratio	Lower	Upper
57	100		
41	203.9	70.9	106.3#
43	139.6	170.4	255.6#
56	111.6	42.6	64.0#

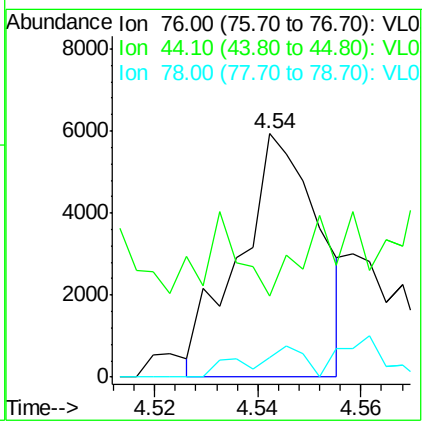


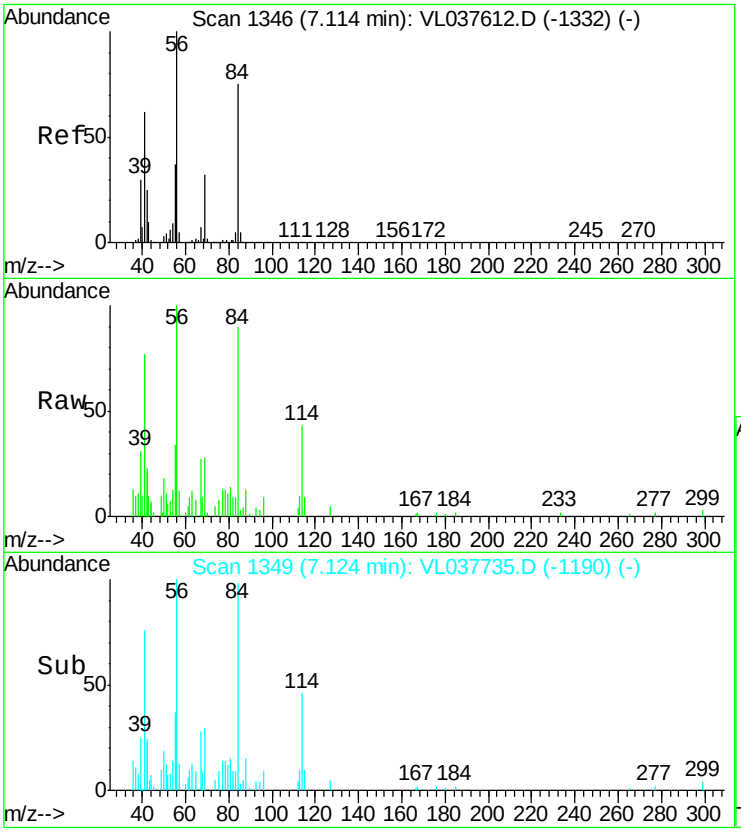


#27
Carbon Disulfide
Concen: 0.052 ppbv
RT: 4.54 min Scan# 546
Delta R.T. 0.00 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 76 Resp: 6315

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.2	21.2#
78	0.0	7.4	11.0#



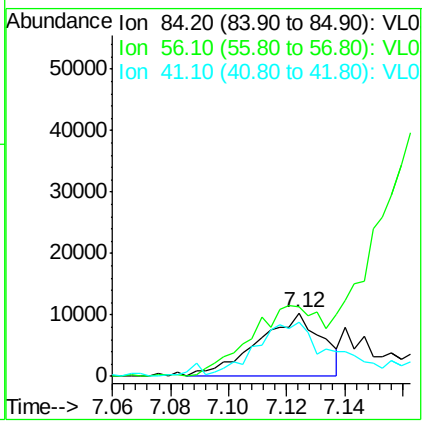


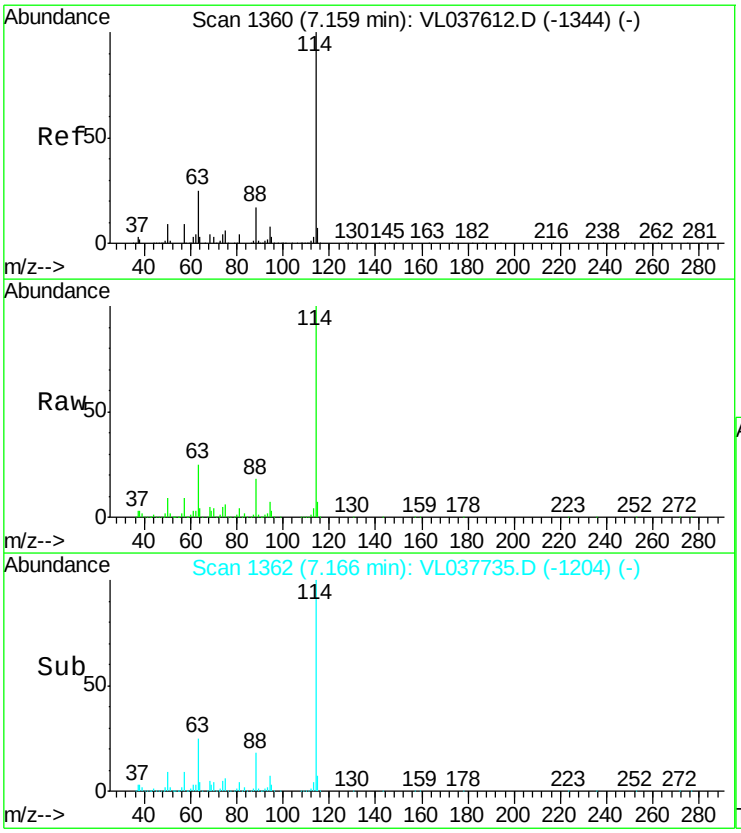
#30
Cyclohexane
Concen: 0.138 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument : MSVOA_L
ClientSampleId : SV4DL2DUP

Tgt Ion: 84 Resp: 15738

Ion	Ratio	Lower	Upper
84	100		
56	0.0	113.6	170.4#
41	106.2	67.9	101.9#

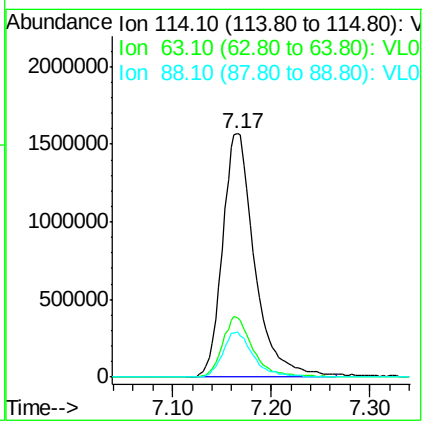


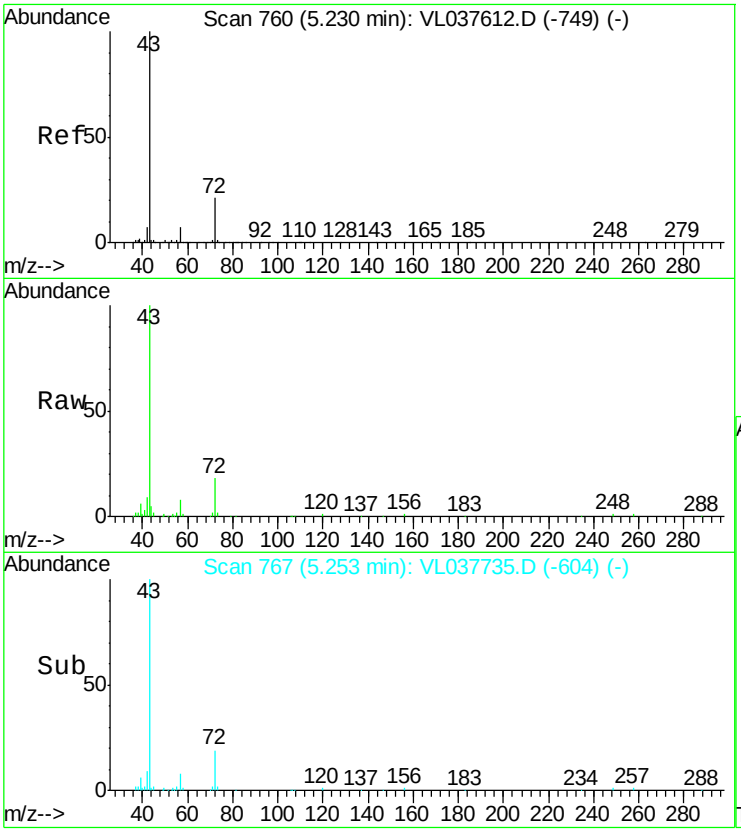


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion:114 Resp: 3565324

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.6	29.4
88	18.1	14.2	21.4



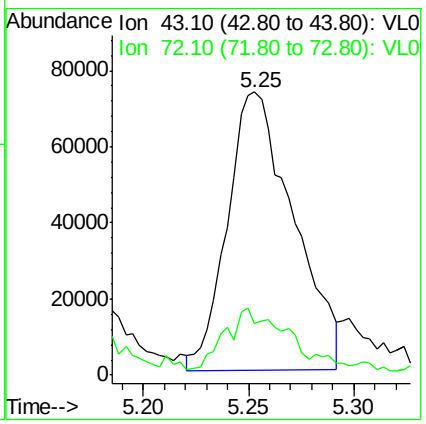


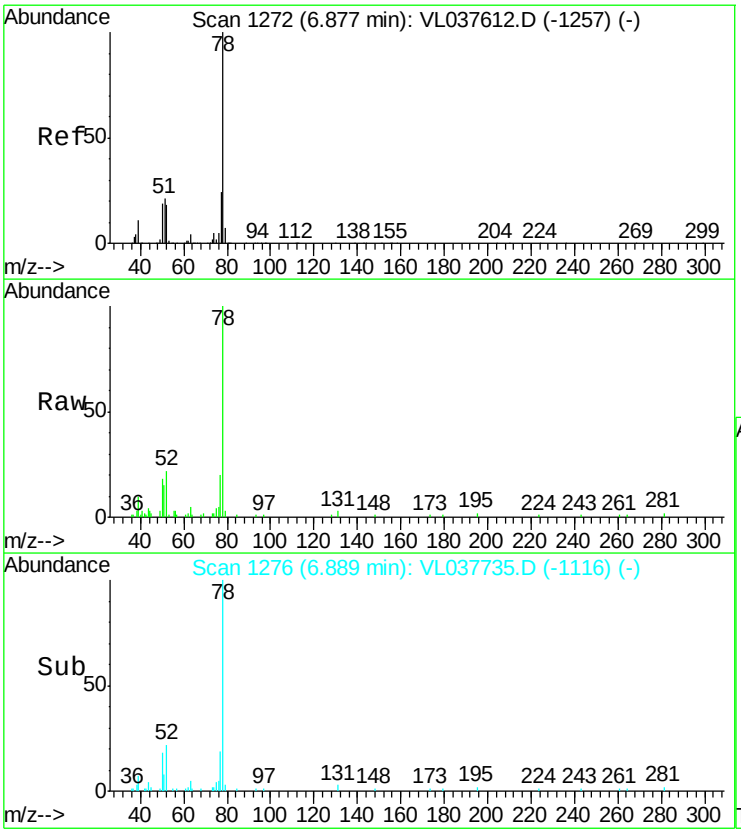
#34
2-Butanone
Concen: 1.098 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.02 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion: 43 Resp: 159039

Ion	Ratio	Lower	Upper
43	100		
72	30.1	18.4	27.6#

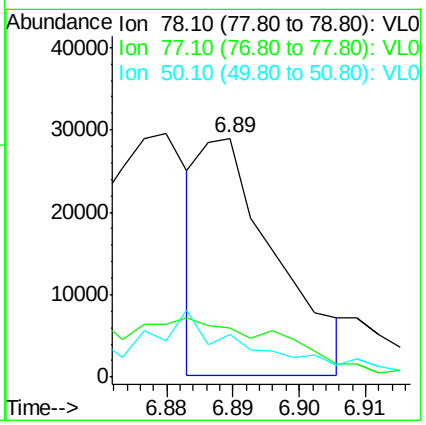


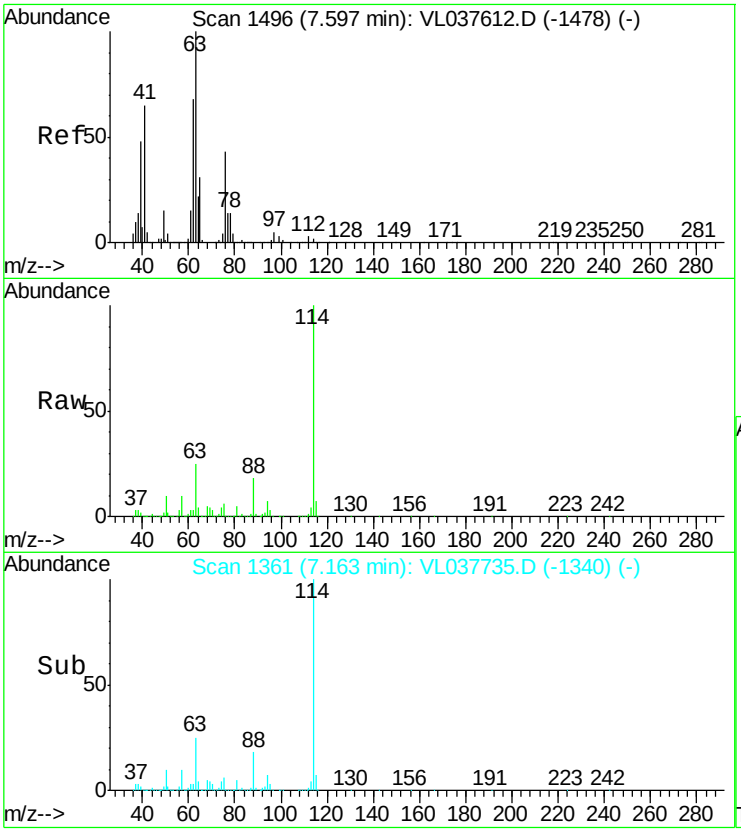


#36
Benzene
Concen: 0.076 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 78 Resp: 22604

Ion	Ratio	Lower	Upper
78	100		
77	19.8	19.0	28.4
50	16.6	14.8	22.2



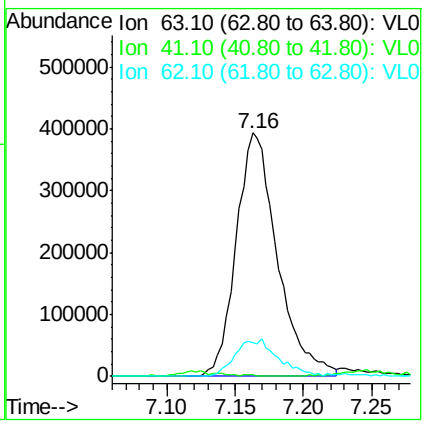


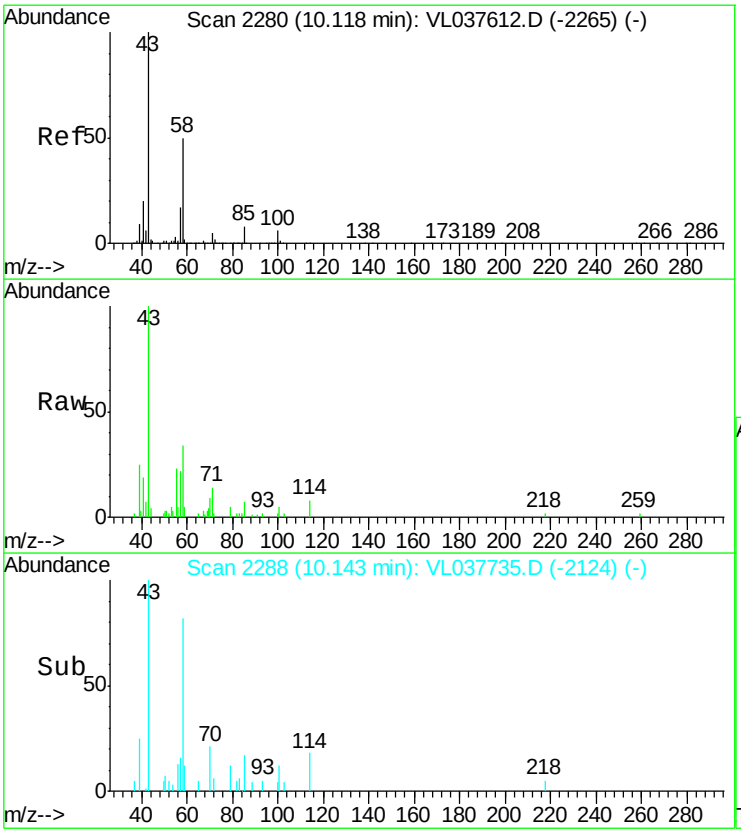
#39
1,2-Dichloropropane
Concen: 7.218 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.43 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument : MSVOA_L
ClientSampleId : SV4DL2DUP

Tgt Ion: 63 Resp: 821945

Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	13.7	54.6	81.8#

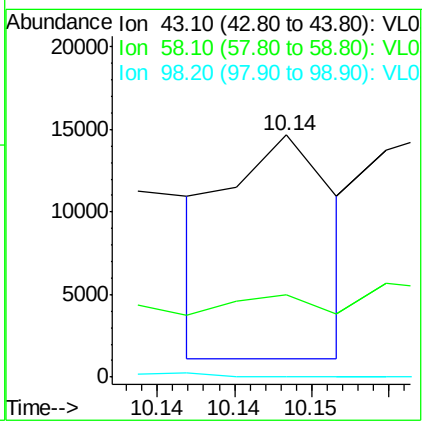


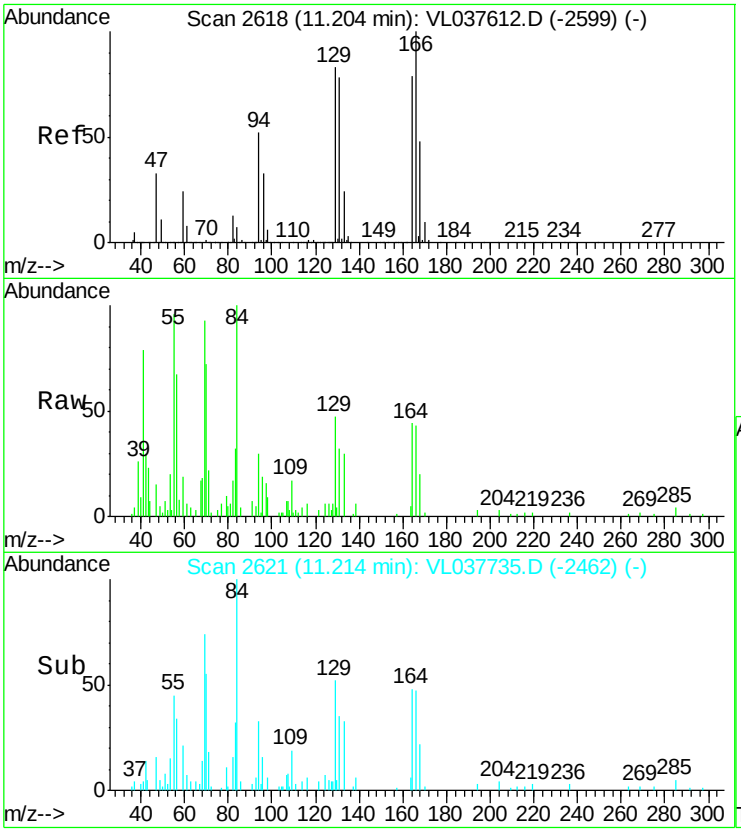


#51
2-Hexanone
Concen: 0.080 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.03 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 43 Resp: 6531

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.3	58.9#
98	0.0	0.4	0.6#



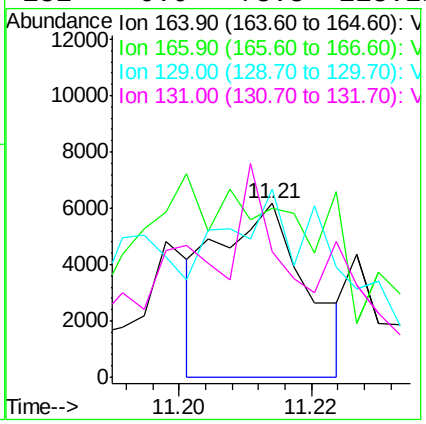


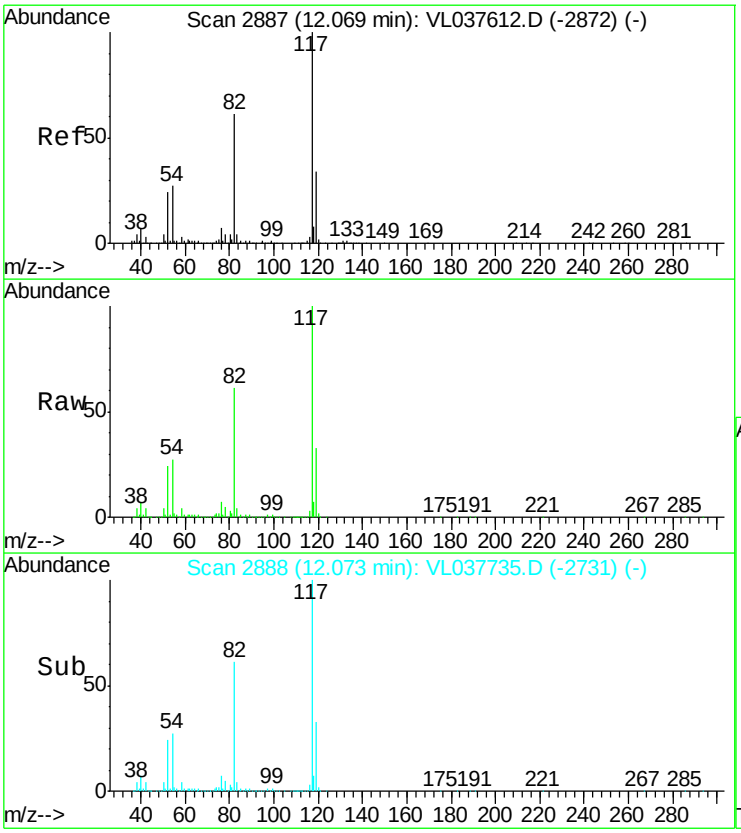
#52
Tetrachloroethene
Concen: 0.051 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument : MSVOA_L
ClientSampleId : SV4DL2DUP

Tgt Ion:164 Resp: 5795

Ion	Ratio	Lower	Upper
164	100		
166	0.0	101.2	151.8#
129	92.2	84.0	126.0
131	0.0	78.8	118.2#

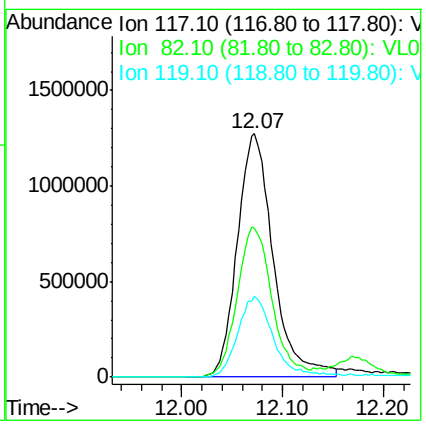


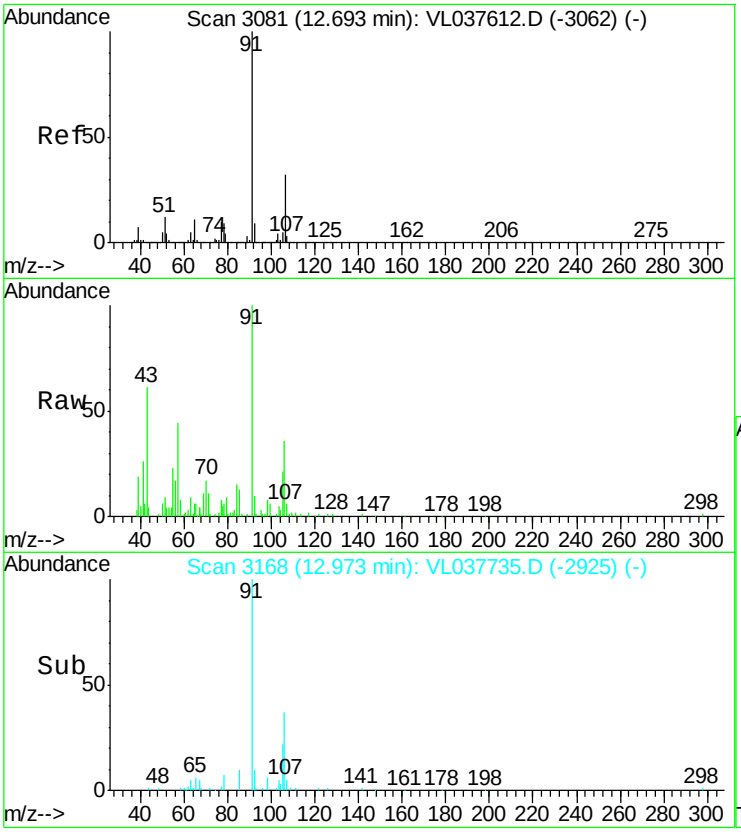


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion:117 Resp: 3145397

Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.6	75.8
119	32.9	26.2	39.2



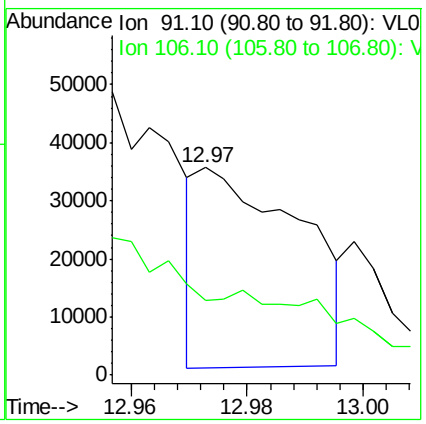


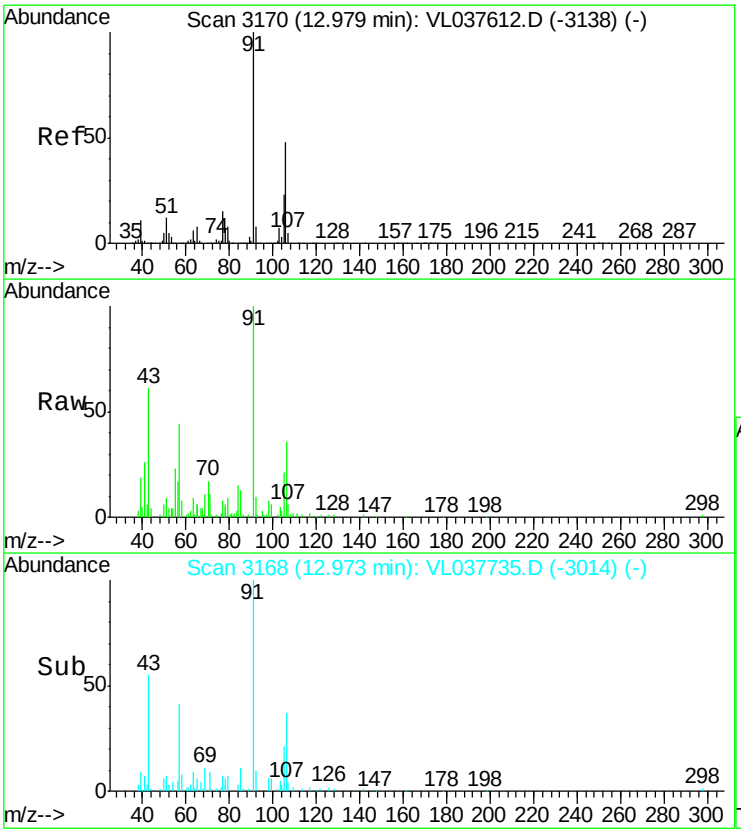
#58
Ethyl Benzene
Concen: 0.100 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. 0.28 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument : MSVOA_L
ClientSampleId : SV4DL2DUP

Tgt Ion: 91 Resp: 41706

Ion	Ratio	Lower	Upper
91	100		
106	25.3	25.3	37.9

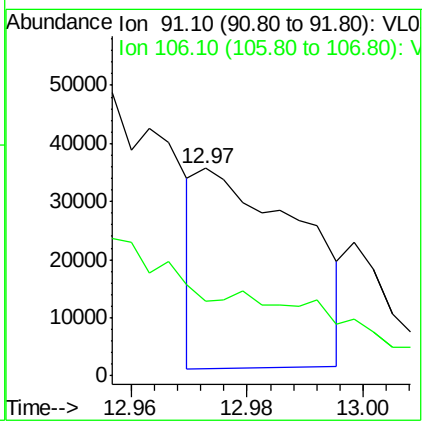


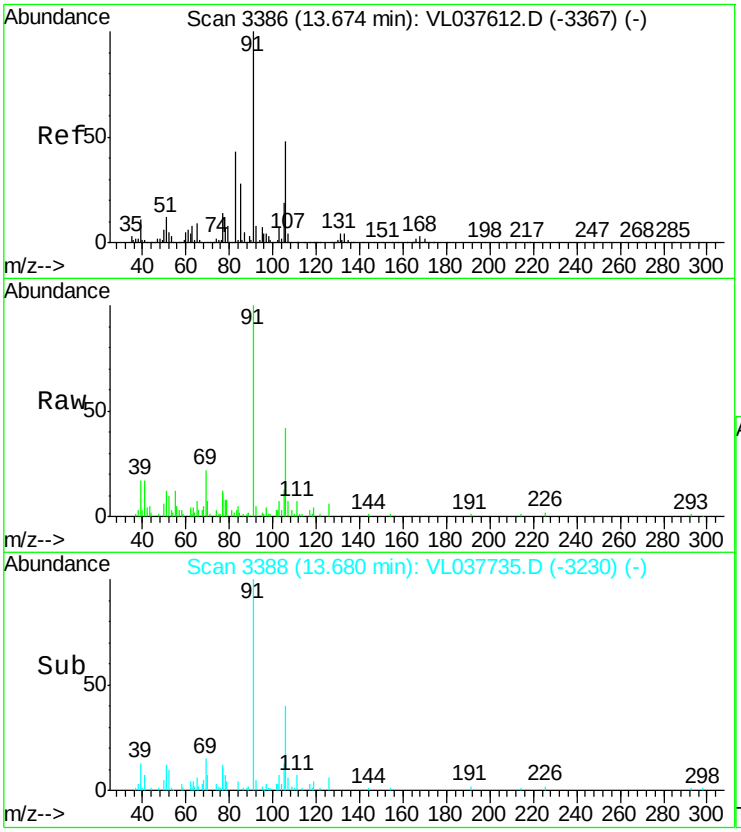


#59
m/p-Xylene
Concen: 0.115 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 91 Resp: 41706

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#



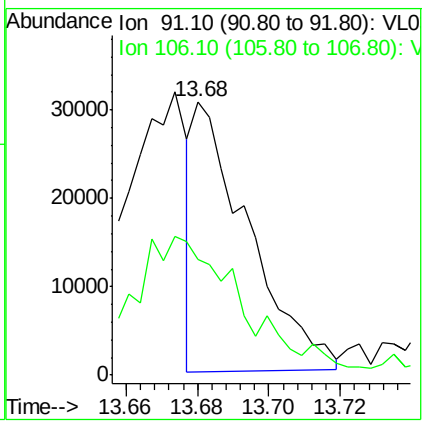


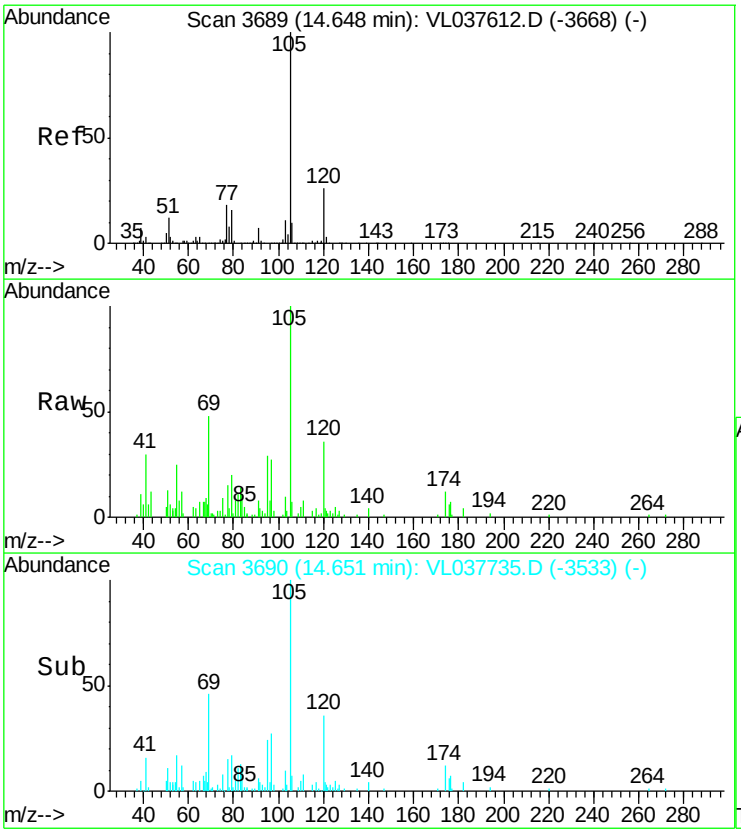
#60
o-Xylene
Concen: 0.094 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion: 91 Resp: 32566

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.0	69.0#

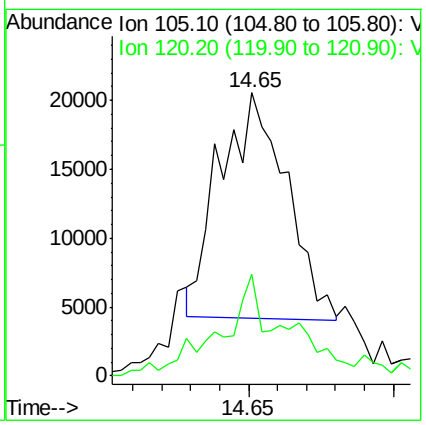


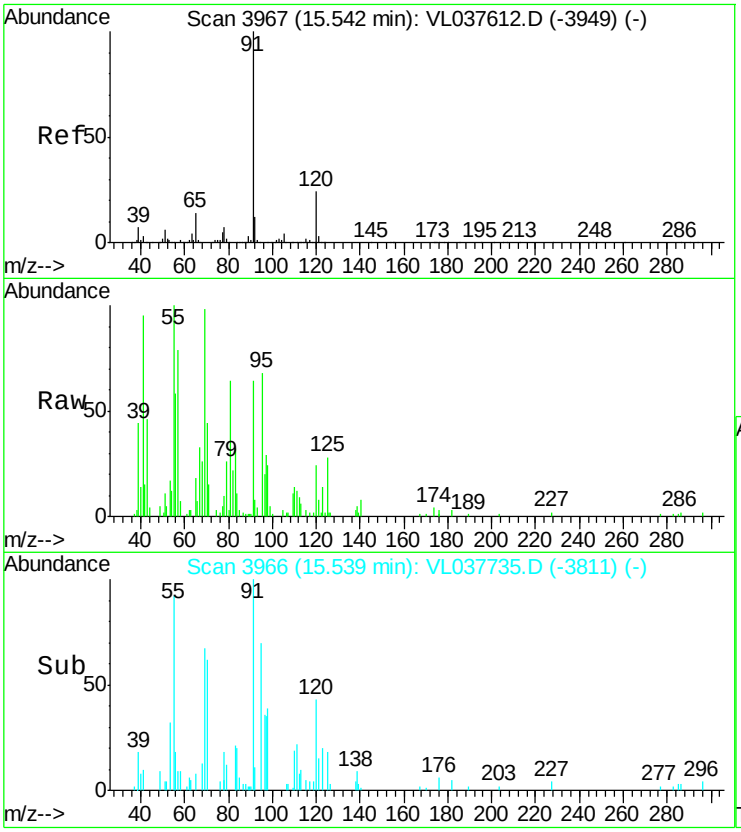


#62
Isopropylbenzene
Concen: 0.054 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.00 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion:105 Resp: 25939

Ion	Ratio	Lower	Upper
105	100		
120	48.8	21.4	32.0#



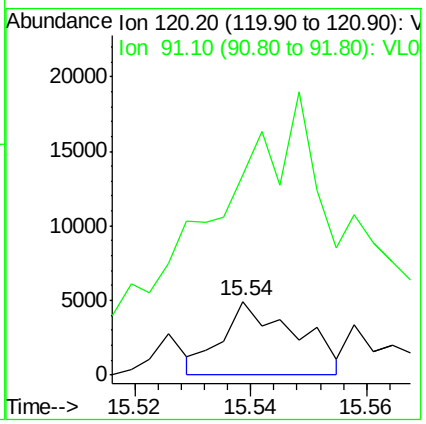


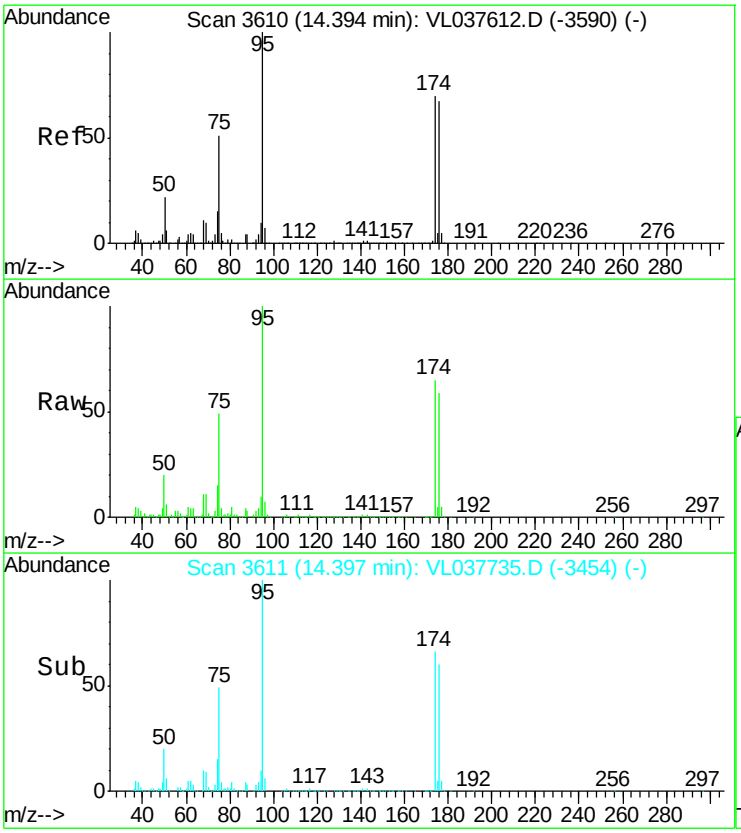
#64
n-propylbenzene
Concen: 0.035 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. -0.00 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion:120 Resp: 4345

Ion	Ratio	Lower	Upper
120	100		
91	869.0	345.0	517.4#

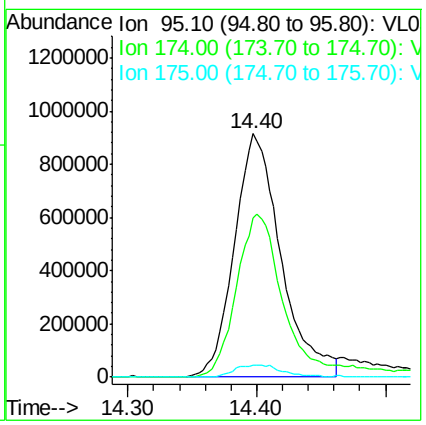


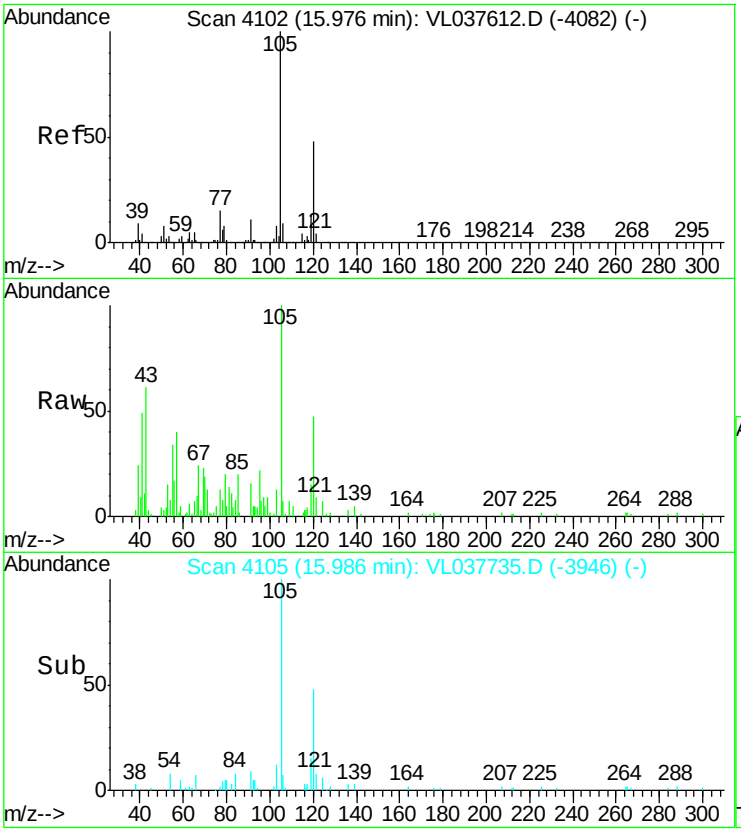


#68
1-Bromo-4-Fluorobenzene
Concen: 10.076 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion: 95 Resp: 2290504

Ion	Ratio	Lower	Upper
95	100		
174	74.1	56.3	84.5
175	5.6	4.4	6.6



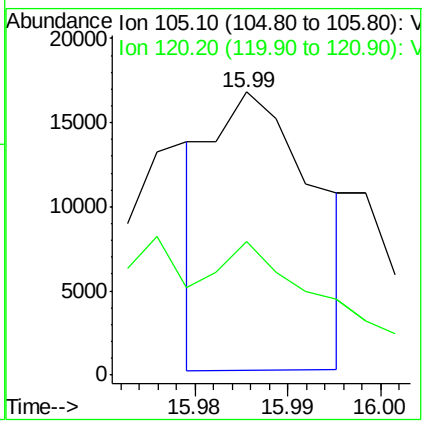


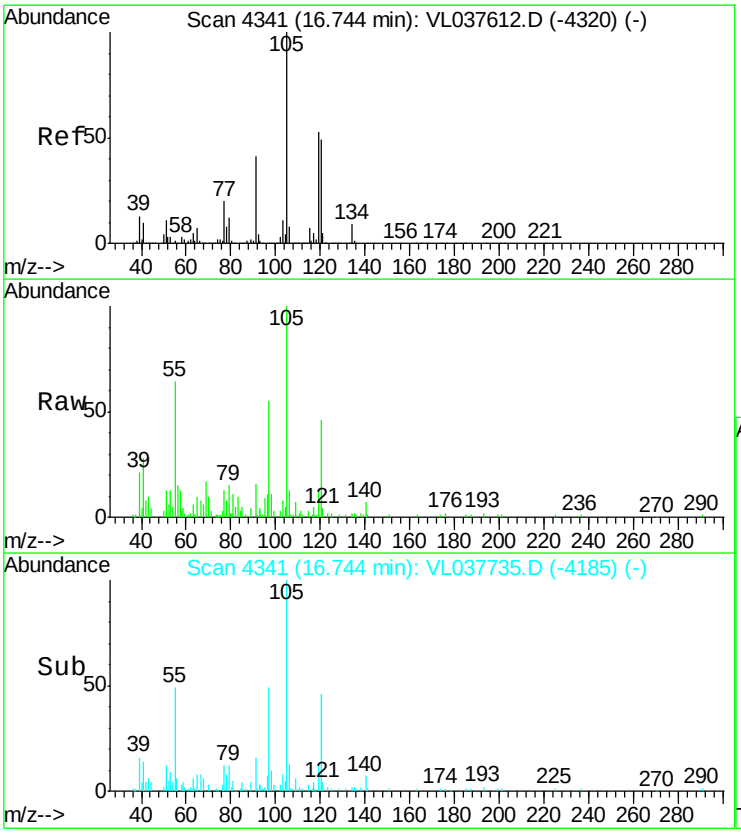
#73
1,3,5-Trimethylbenzene
Concen: 0.035 ppbv
RT: 15.99 min Scan# 4105
Delta R.T. 0.01 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2DUP

Tgt Ion:105 Resp: 12838

Ion	Ratio	Lower	Upper
105	100		
120	52.0	38.3	57.5





#74
1,2,4-Trimethylbenzene
Concen: 0.203 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.00 min
Lab File: VL037735.D
Acq: 30 Sep 2021 9:58

Tgt Ion:105 Resp: 79137

Ion	Ratio	Lower	Upper
105	100		
120	42.6	39.4	59.0
91	13.9	33.3	49.9#
77	11.7	15.7	23.5#