Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

Quantitation Report (Not Reviewed)

Data File : VL034639.D
Acq On : 19 Feb 2020 00:58
Operator : SY/AP
Sample : L1554-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1

Quant Time: Feb 19 06:07:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	834720	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	1777312	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2044094	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	1897890	10.99	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	48031	0.261	ppbv	#	84
3) Chlorodifluoromethane	2.95	51	40464	0.401	ppbv	#	86
4) Chloromethane	3.10	50	3635	0.059	ppbv	#	25
10) Heptane	8.12	43	3777	0.038	ppbv	#	26
11) Trichlorofluoromethane	3.92	101	47074	0.282	ppbv		84
12) 1,1,2-Trichlorotrifluoroet	4.46	101	3696	0.034	ppbv	#	14
13) Ethanol	3.57	45	221559	21.063	ppbv		96
15) Acetone	3.82	43	534740	4.359	ppbv		96
16) 1,3-Butadiene	3.28	39	2670	0.055	ppbv	#	45
17) tert-Butyl alcohol	4.27	59	61682	0.684	ppbv	#	66
19) Isopropyl Alcohol	3.95	45	42962	0.600	ppbv	#	73
20) Methylene Chloride	4.32	84	83252	1.782	ppbv	#	96
23) Vinyl Acetate	5.16	43	31180	0.223	ppbv	#	35
25) Ethyl Acetate	5.67	43	50313	0.253	ppbv	#	58
26) Hexane	5.68	57	34390	0.413	ppbv	#	5
27) Carbon Disulfide	4.53	76	517840	4.613	ppbv		98
34) 2-Butanone	5.22	43	1904804	14.760	ppbv		98
36) Benzene	6.89	78	10251	0.065	ppbv	#	77
37) 1,2-Dichloroethane	6.30	62	4341	0.033	ppbv	#	86
39) 1,2-Dichloropropane	7.18	63	528083	8.060	ppbv	#	20
43) Methyl Methacrylate	8.02	69	5657	0.089	ppbv	#	35
51) 2-Hexanone	10.15	43	5423	0.037	ppbv	#	1
52) Tetrachloroethene	11.25	164	14129	0.223	ppbv	#	74
53) Toluene	9.82	91	1076585	6.200	ppbv		100
58) Ethyl Benzene	12.74	91	1522296	5.565	ppbv		100
59) m/p-Xylene	13.00	91	1998775	8.266	ppbv		99
60) o-Xylene	13.73	91	698233	2.875	ppbv		97
61) Styrene	13.57	104	10869589	67.132	ppbv	#	86
62) Isopropylbenzene	14.71	105	14446152	45.908	ppbv	#	71
63) 1,1,2,2-Tetrachloroethane	13.72	83	44808	0.239	ppbv	#	25
64) n-propylbenzene	15.60	120	13885	0.172	ppbv	#	1
69) p-Isopropyltoluene	17.69	119	11090	0.035	ppbv	#	57
72) 4-Ethyltoluene	15.87	105	125467	0.470	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.04	105	37673	0.145	ppbv	#	73
74) 1,2,4-Trimethylbenzene	16.80	105	138458	0.480	ppbv	#	72

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

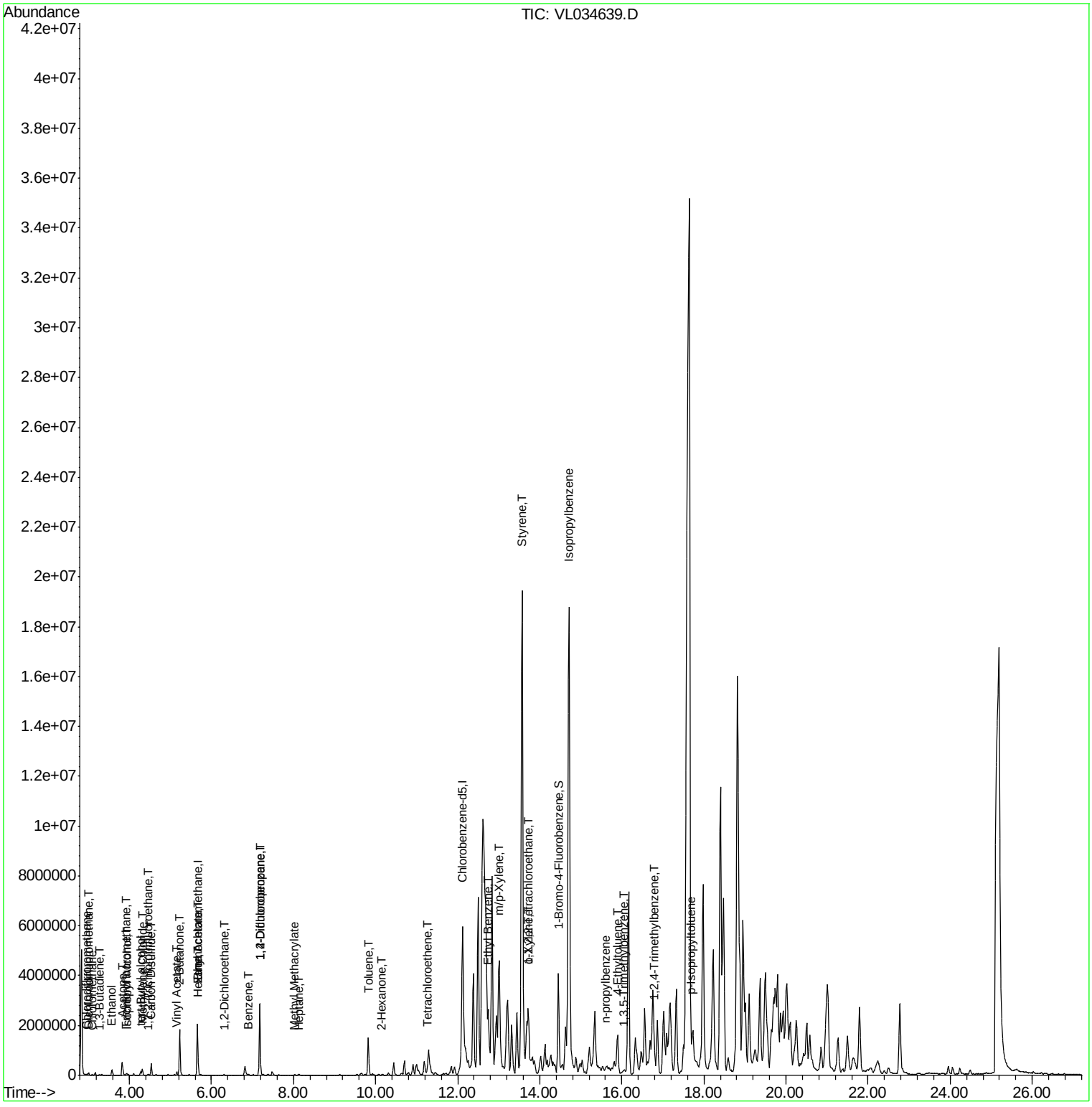
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

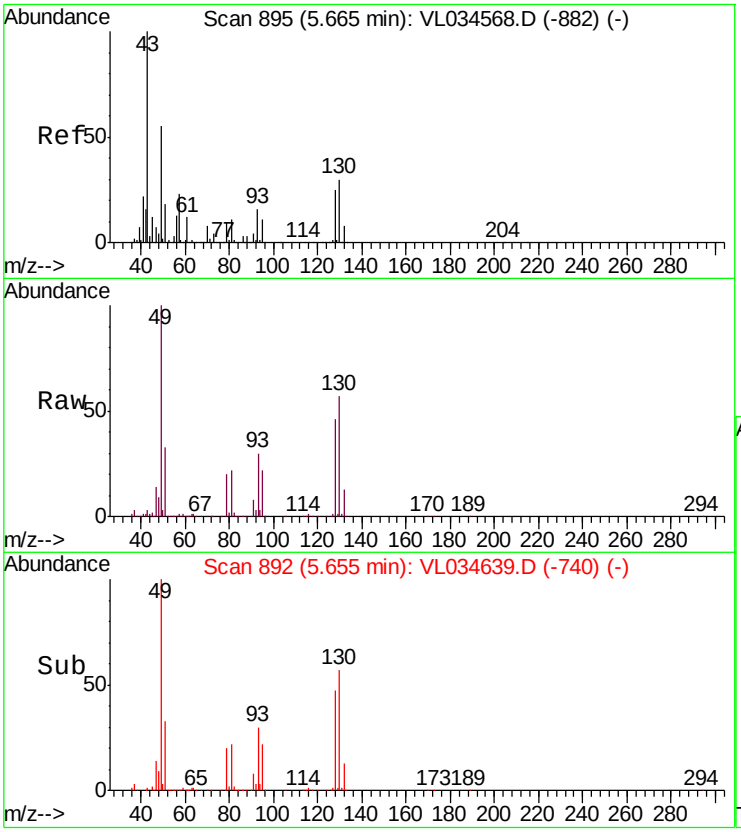
Quantitation Report (Not Reviewed)

Data File : VL034639.D
Acq On : 19 Feb 2020 00:58
Operator : SY/AP
Sample : L1554-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-1

Quant Time: Feb 19 06:07:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



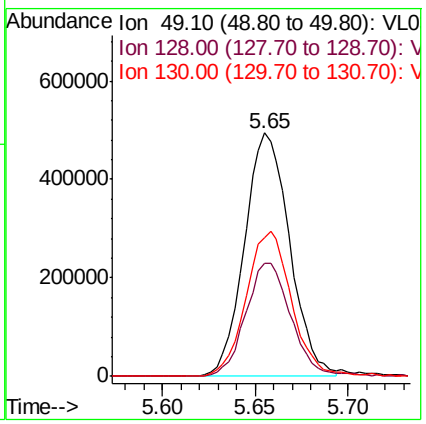


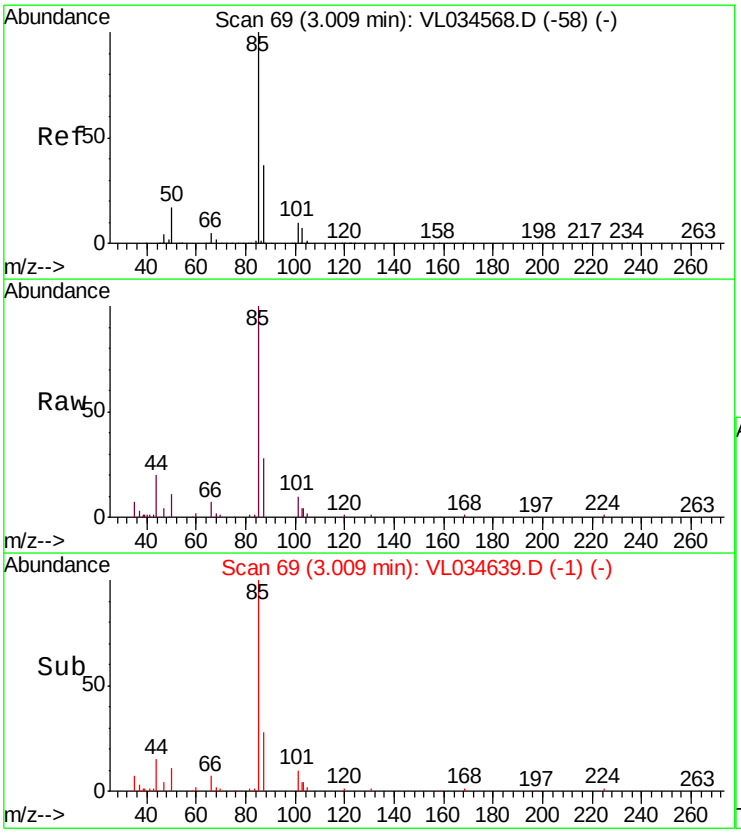
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 49 Resp: 834720

Ion	Ratio	Lower	Upper
49	100		
128	47.0	22.7	68.1
130	60.3	28.6	85.8

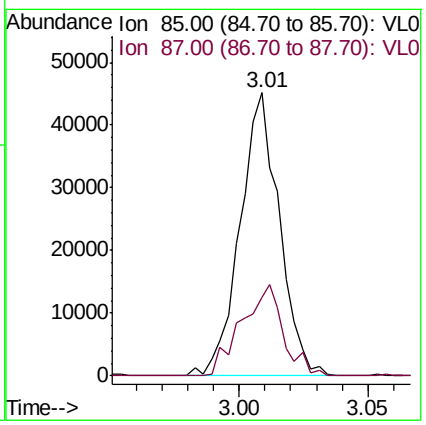


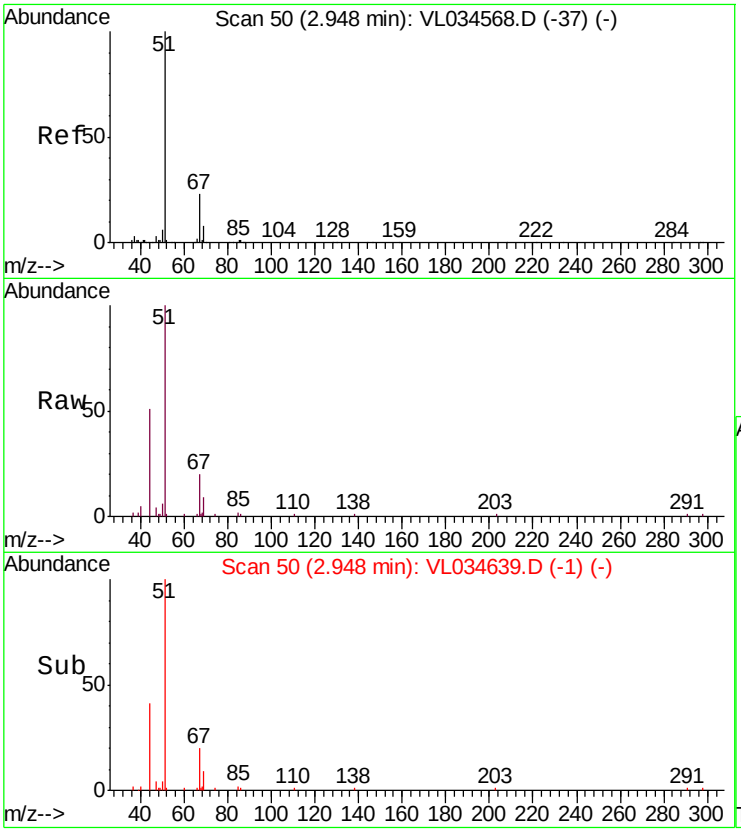


#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 85 Resp: 48031

Ion	Ratio	Lower	Upper
85	100		
87	27.6	29.5	44.3#



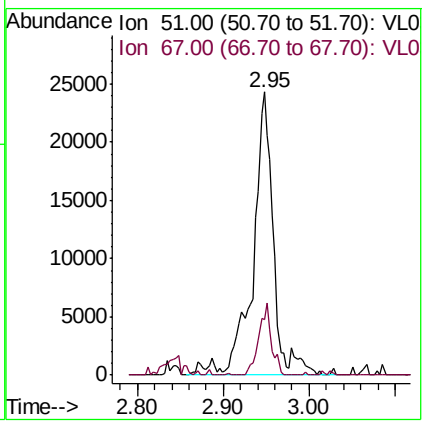


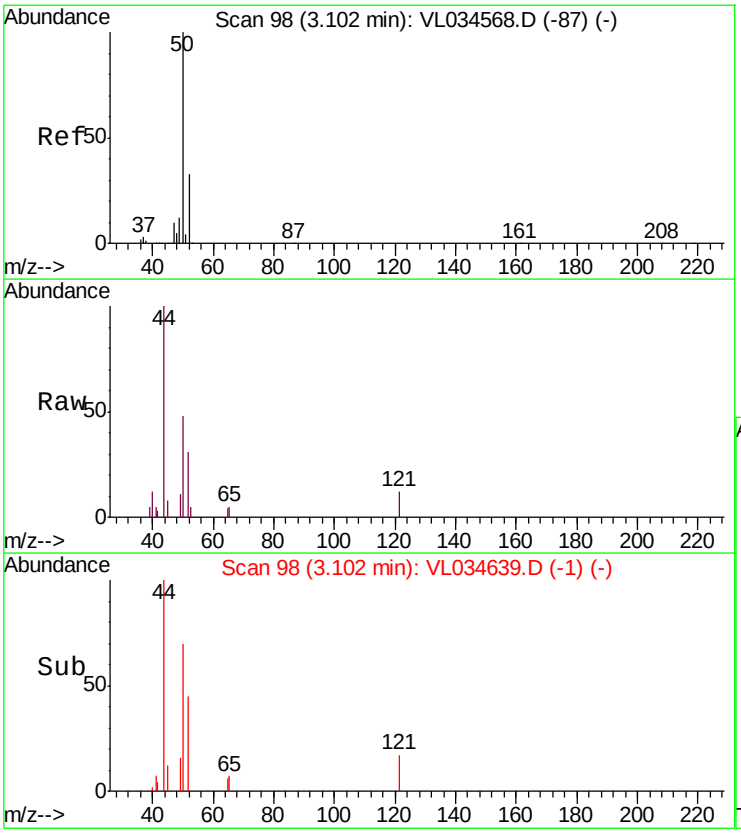
#3
Chlorodifluoromethane
Concen: 0.401 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 51 Resp: 40464

Ion	Ratio	Lower	Upper
51	100		
67	15.6	17.8	26.8#

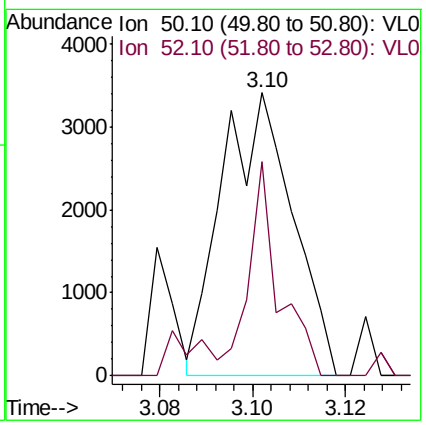


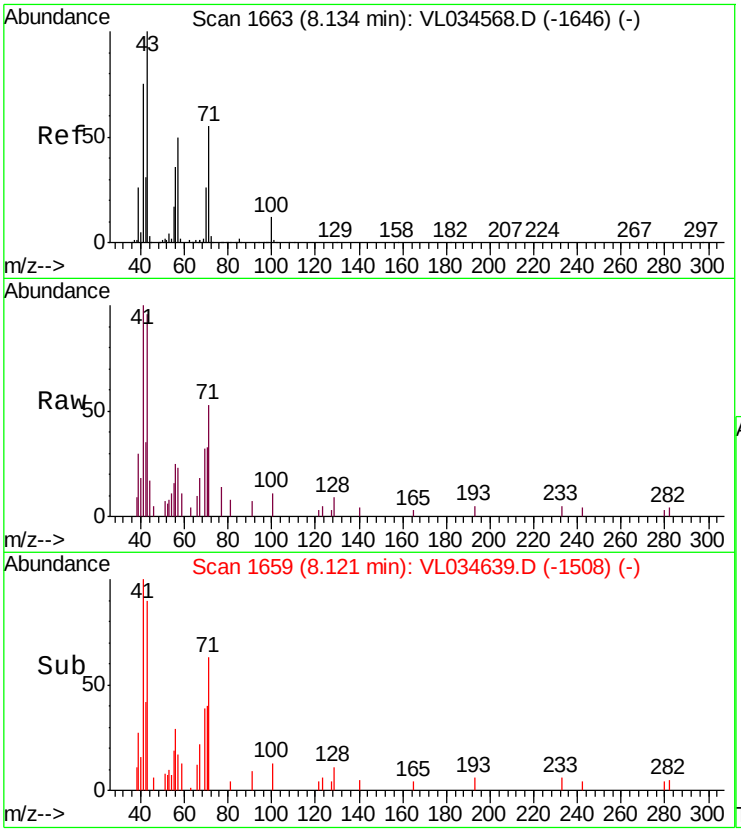


#4
Chloromethane
Concen: 0.059 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 50 Resp: 3635

Ion	Ratio	Lower	Upper
50	100		
52	75.5	26.6	39.8#



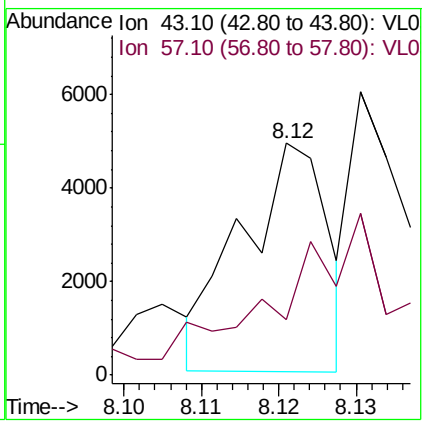


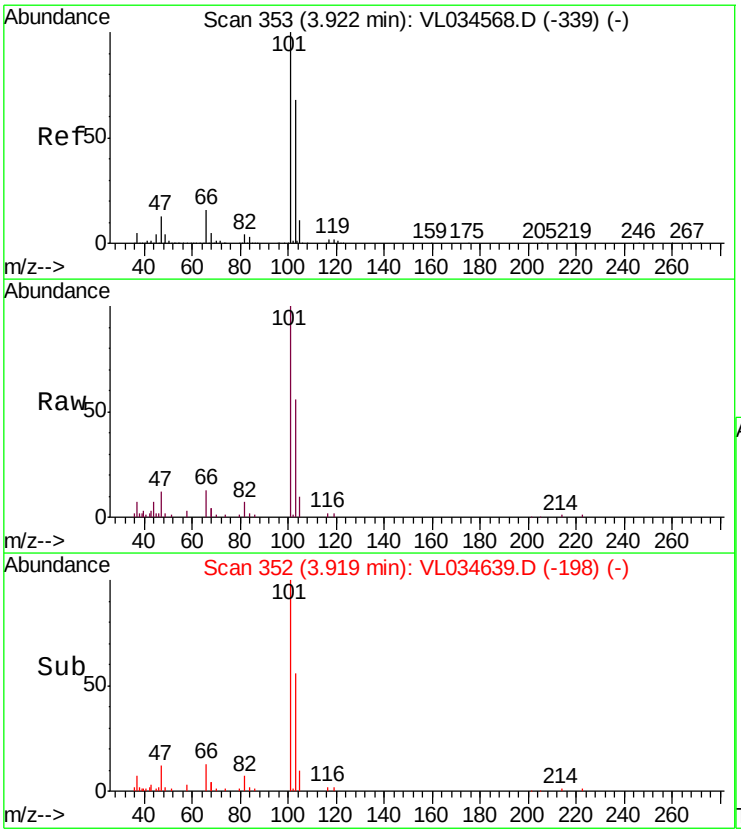
#10
Heptane
Concen: 0.038 ppbv
RT: 8.12 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 43 Resp: 3777

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.2	61.8#

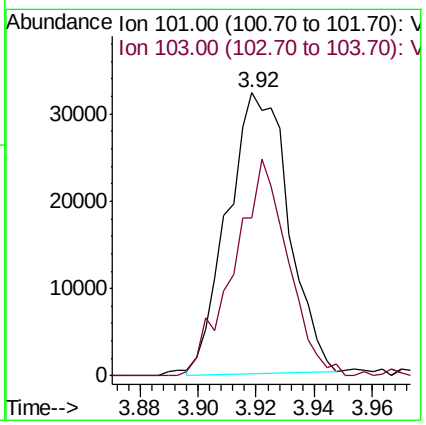


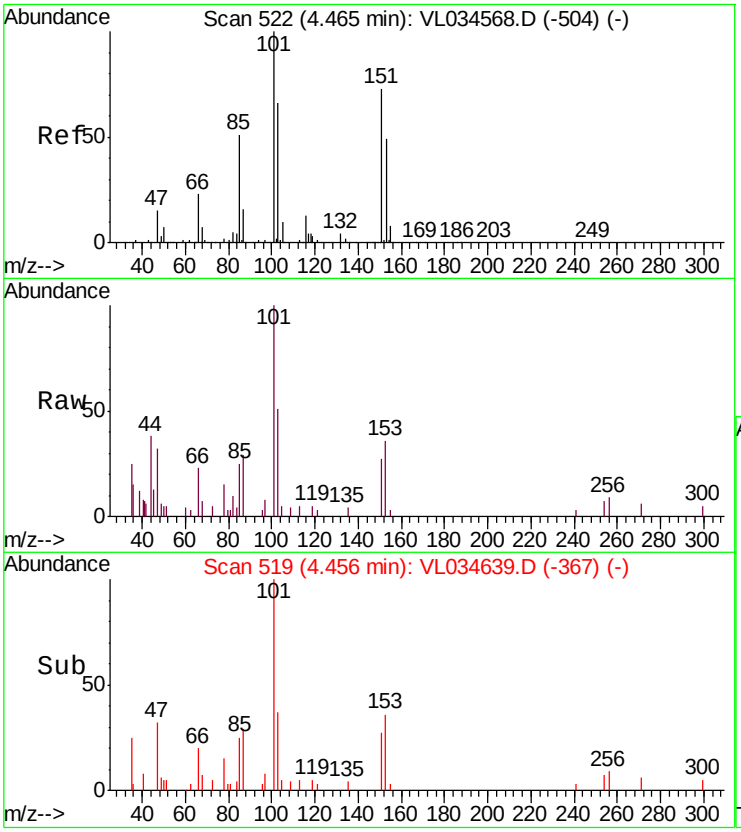


#11
Trichlorofluoromethane
Concen: 0.282 ppbv
RT: 3.92 min Scan# 352
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion:101 Resp: 47074

Ion	Ratio	Lower	Upper
101	100		
103	55.2	54.4	81.6



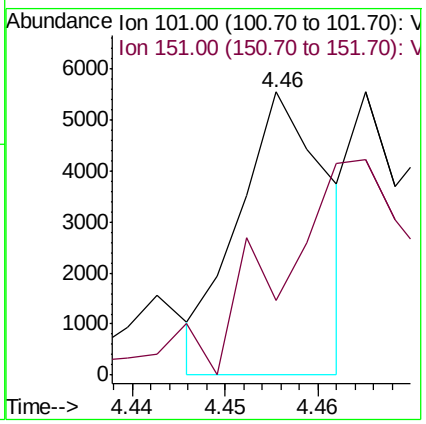


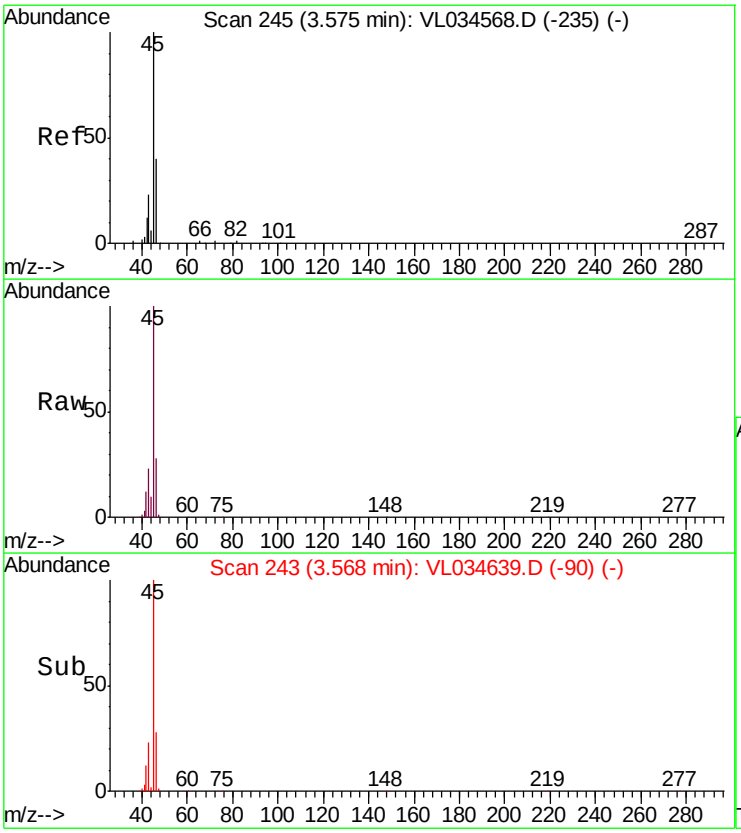
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.034 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion:101 Resp: 3696

Ion	Ratio	Lower	Upper
101	100		
151	0.0	57.0	85.6#

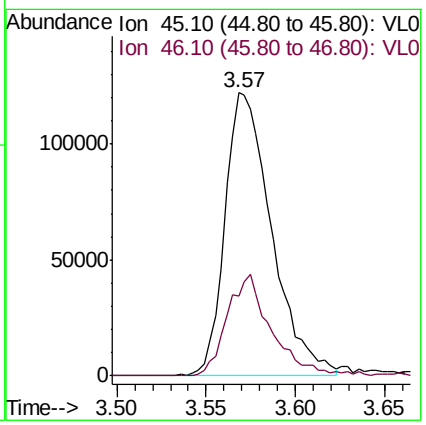


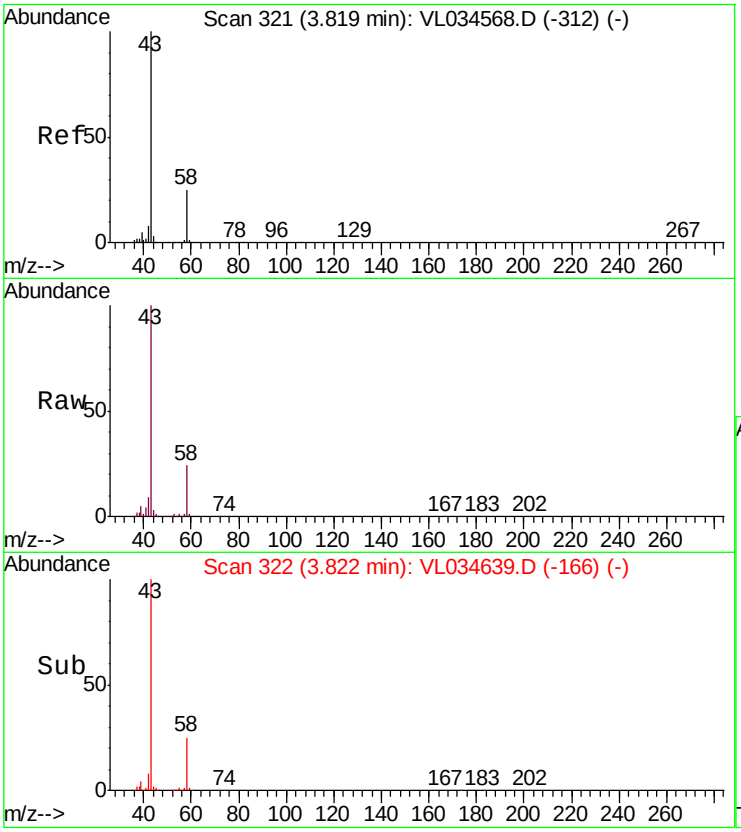


#13
Ethanol
Concen: 21.063 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 45 Resp: 221559

Ion	Ratio	Lower	Upper
45	100		
46	34.8	14.8	59.2



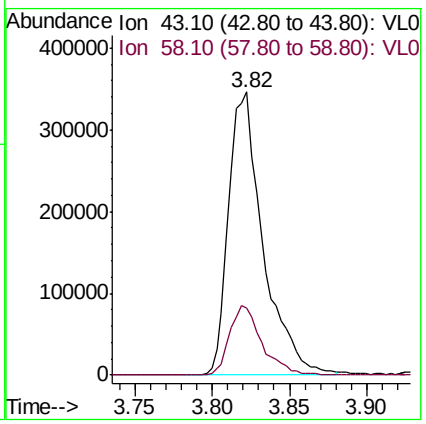


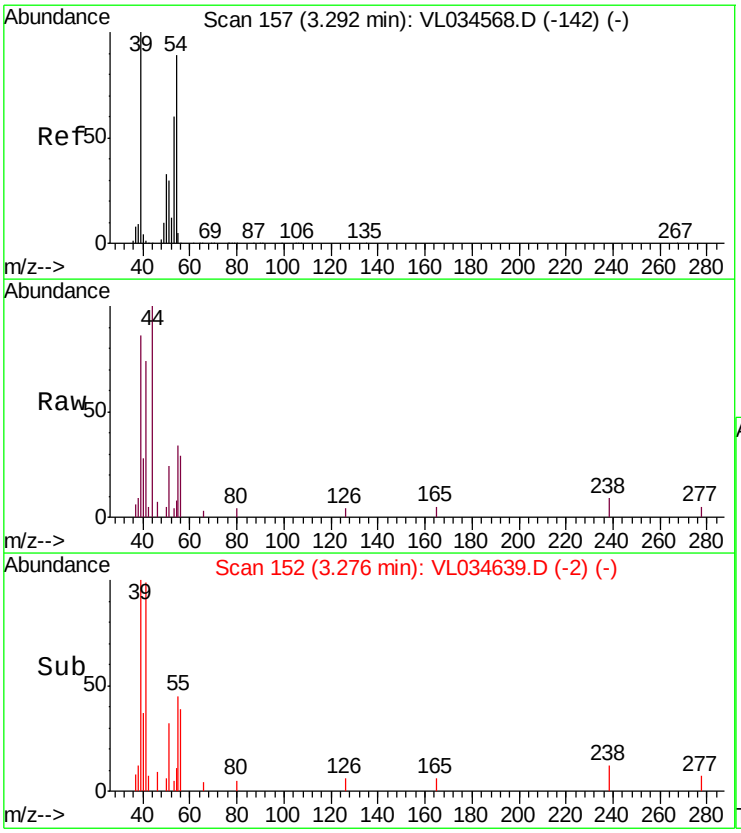
#15
Acetone
Concen: 4.359 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 43 Resp: 534740

Ion	Ratio	Lower	Upper
43	100		
58	23.2	20.3	30.5

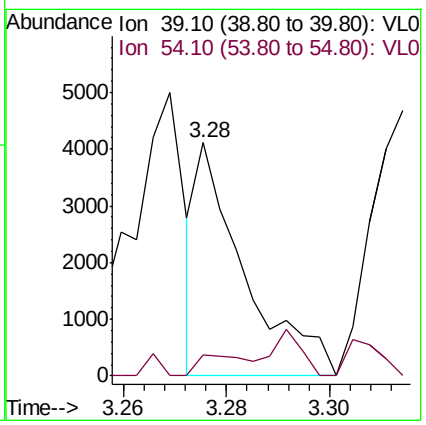


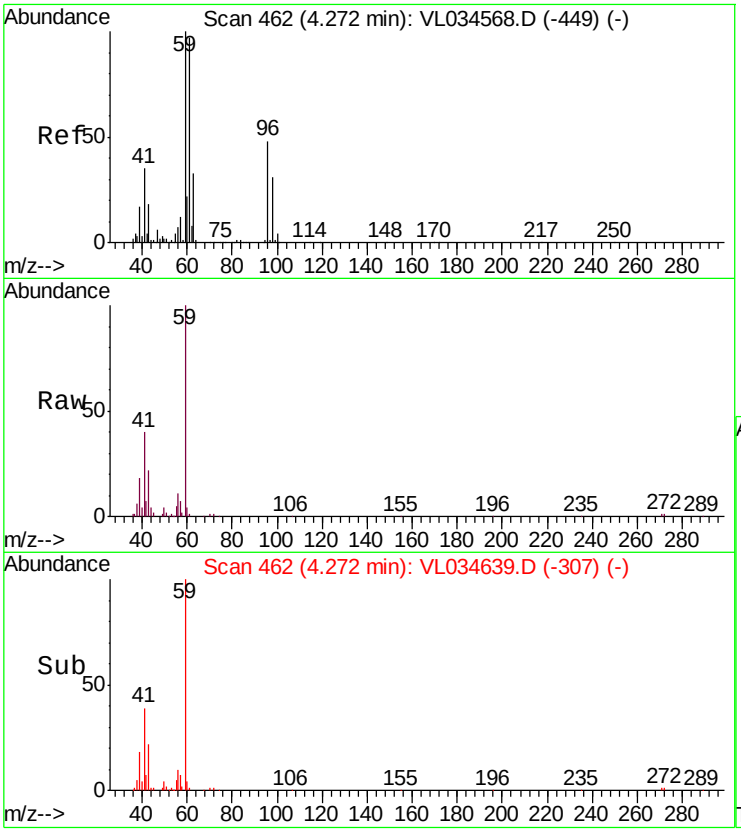


#16
1,3-Butadiene
Concen: 0.055 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.02 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 39 Resp: 2670

Ion	Ratio	Lower	Upper
39	100		
54	33.3	66.7	100.1#



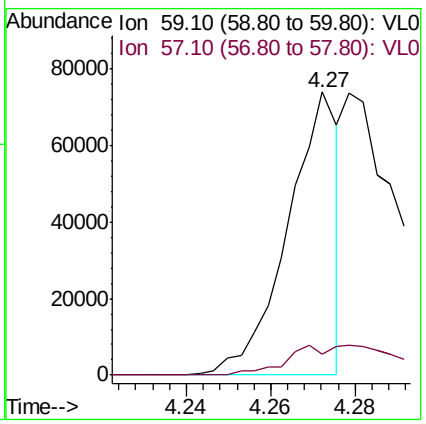


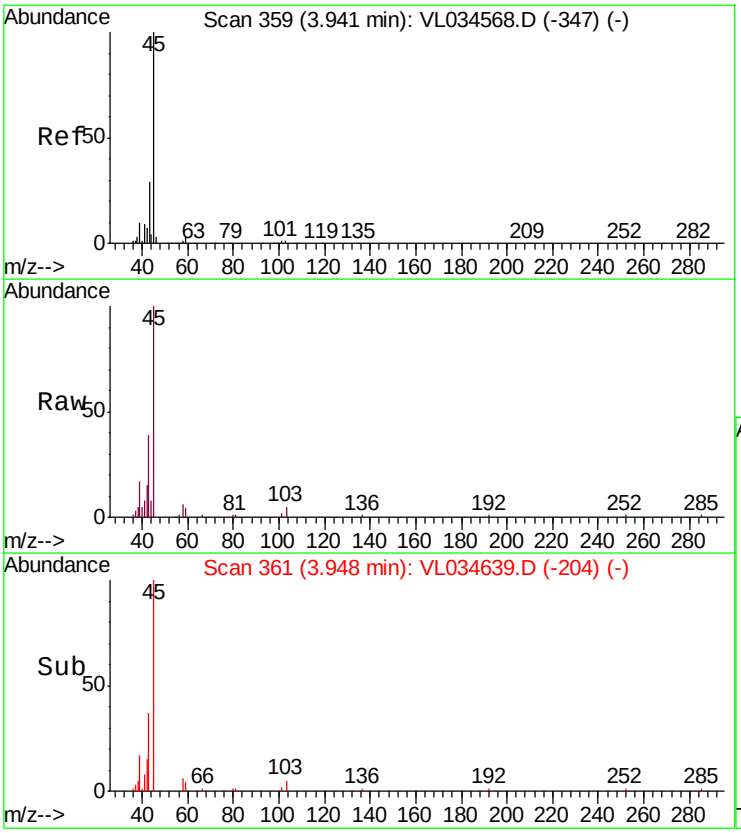
#17
tert-Butyl alcohol
Concen: 0.684 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 59 Resp: 61682

Ion	Ratio	Lower	Upper
59	100		
57	23.7	8.7	13.1#

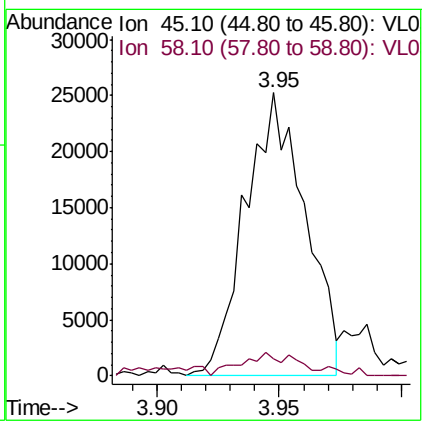


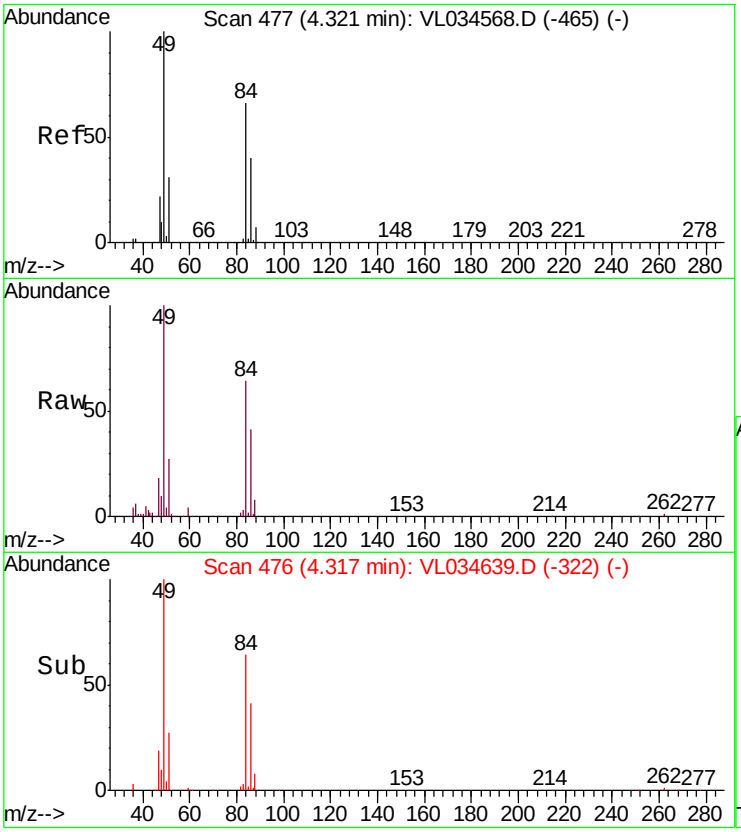


#19
Isopropyl Alcohol
Concen: 0.600 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 45 Resp: 42962

Ion	Ratio	Lower	Upper
45	100		
58	11.5	1.7	2.5#



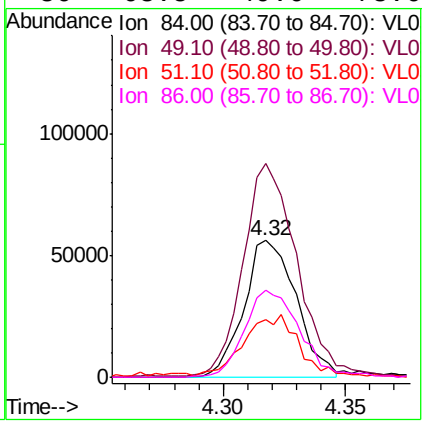


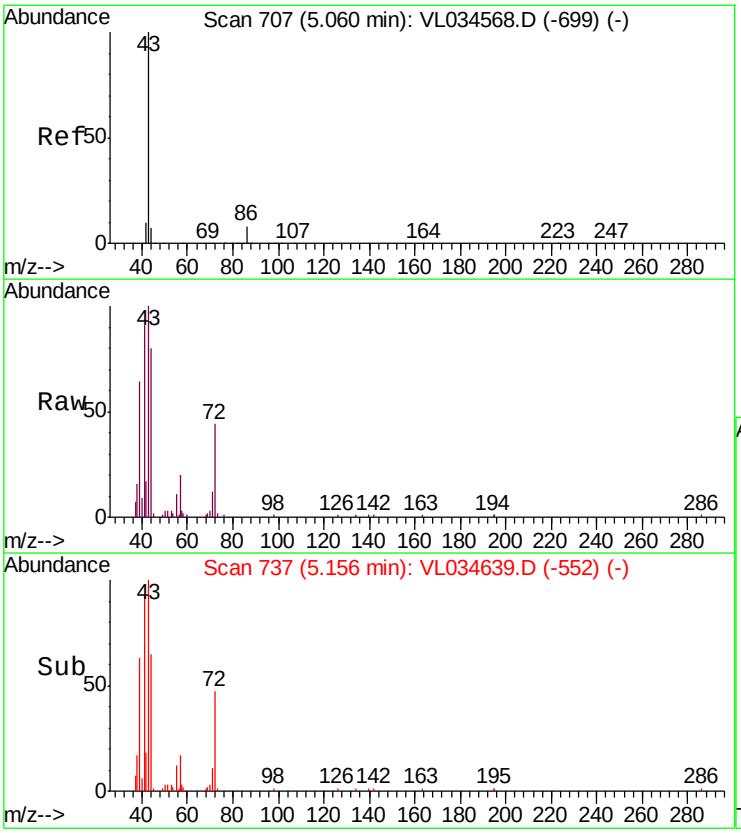
#20
Methylene Chloride
Concen: 1.782 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument : MSVOA_L
ClientSampleId : SS-1

Tgt Ion: 84 Resp: 83252

Ion	Ratio	Lower	Upper
84	100		
49	155.3	122.4	183.6
51	38.5	38.6	57.8#
86	63.5	49.0	73.6

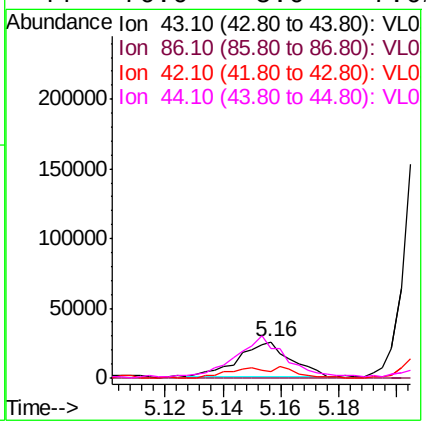


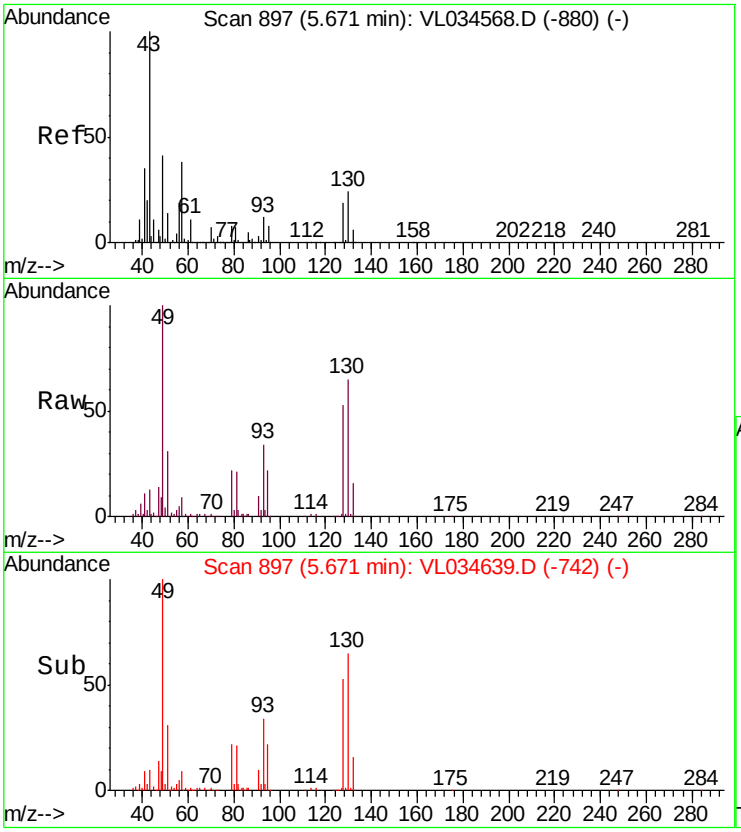


#23
Vinyl Acetate
Concen: 0.223 ppbv
RT: 5.16 min Scan# 737
Delta R.T. 0.10 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 43 Resp: 31180

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	16.5	8.8	13.2#
44	76.0	5.0	7.6#



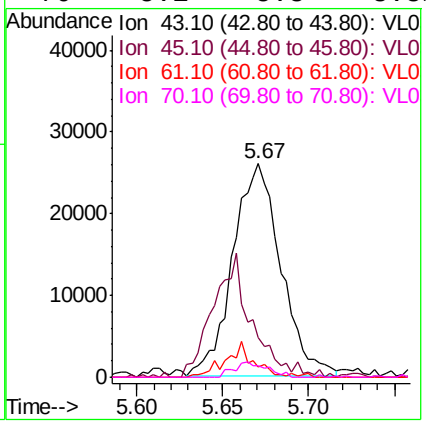


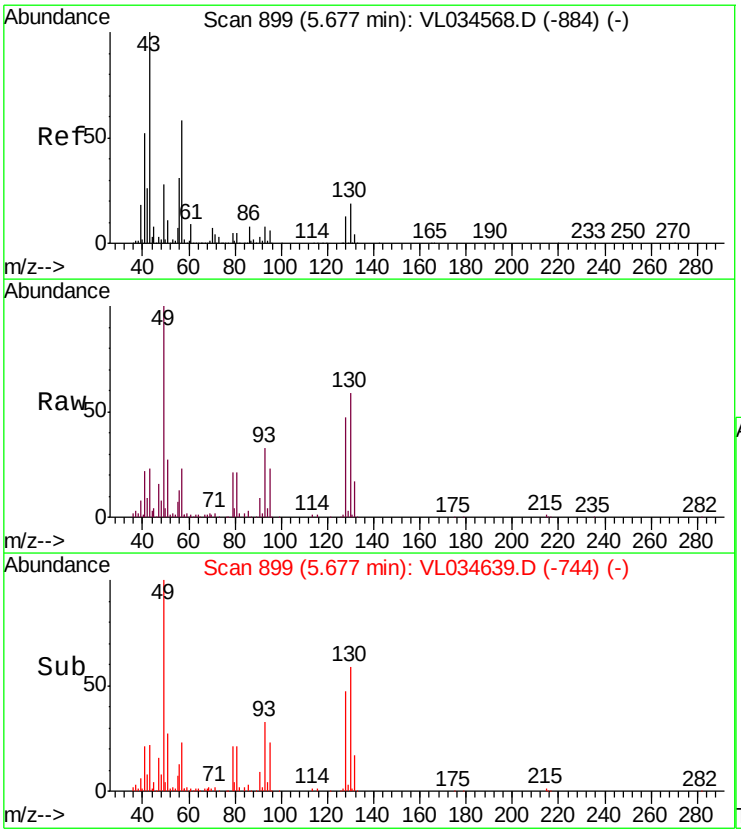
#25
Ethyl Acetate
Concen: 0.253 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument : MSVOA_L
ClientSampleId : SS-1

Tgt Ion: 43 Resp: 50313

Ion	Ratio	Lower	Upper
43	100		
45	49.2	8.5	12.7#
61	10.1	7.8	11.6
70	5.1	5.8	8.8#

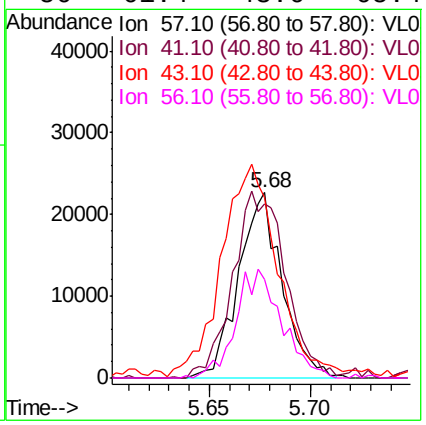


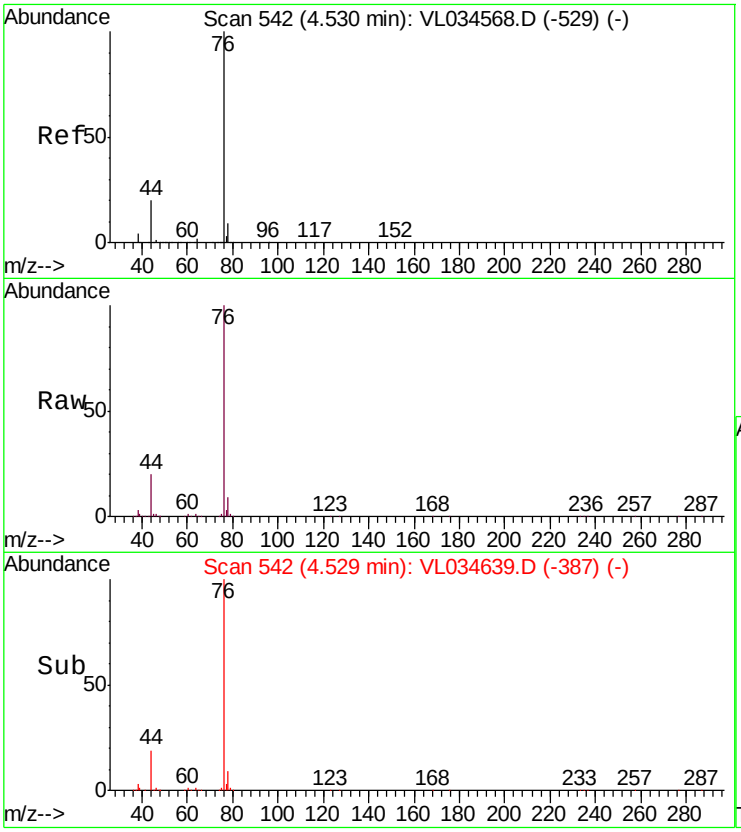


#26
Hexane
Concen: 0.413 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 57 Resp: 34390

Ion	Ratio	Lower	Upper
57	100		
41	122.8	76.2	114.2#
43	0.0	189.9	284.9#
56	61.4	43.6	65.4



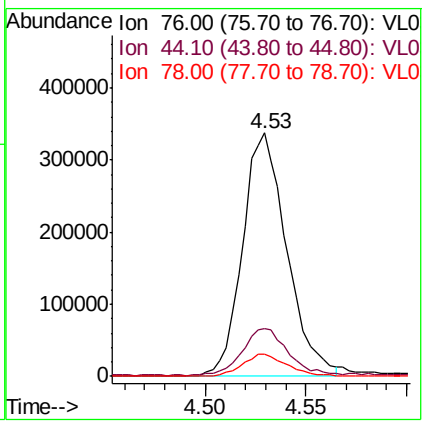


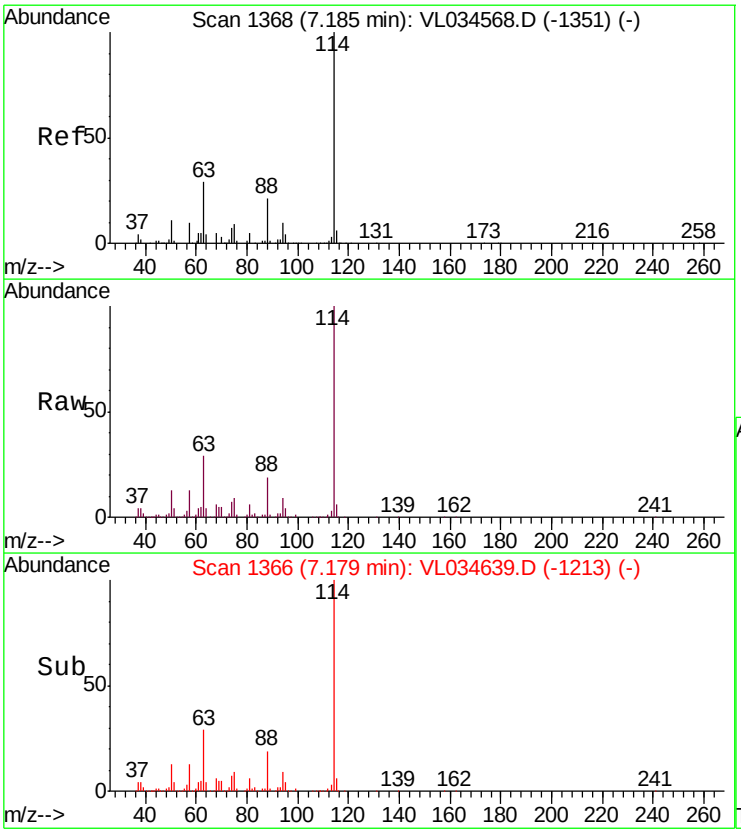
#27
Carbon Disulfide
Concen: 4.613 ppbv
RT: 4.53 min Scan# 542
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 76 Resp: 517840

Ion	Ratio	Lower	Upper
76	100		
44	21.3	16.3	24.5
78	9.6	7.4	11.2

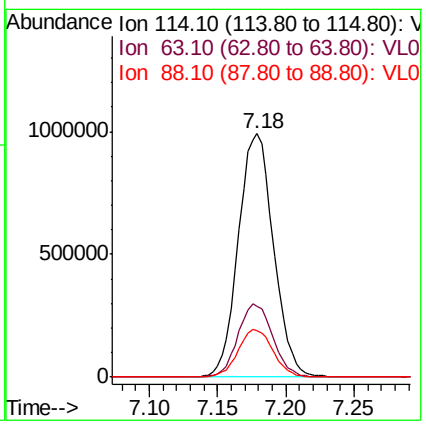


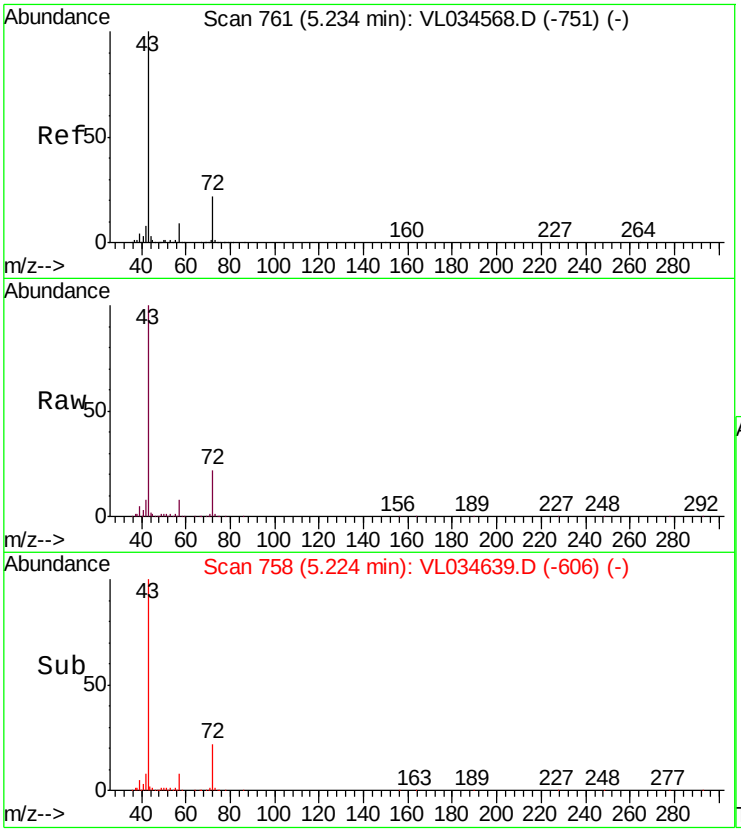


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion:114 Resp: 1777312

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.1	36.1
88	19.6	15.9	23.9



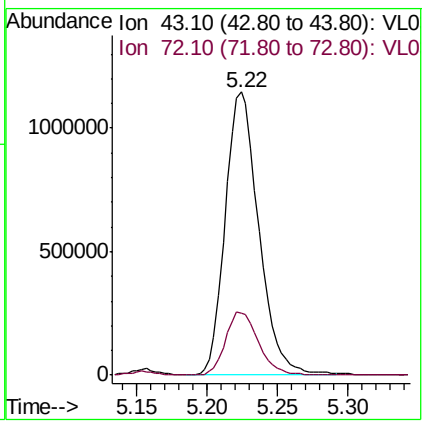


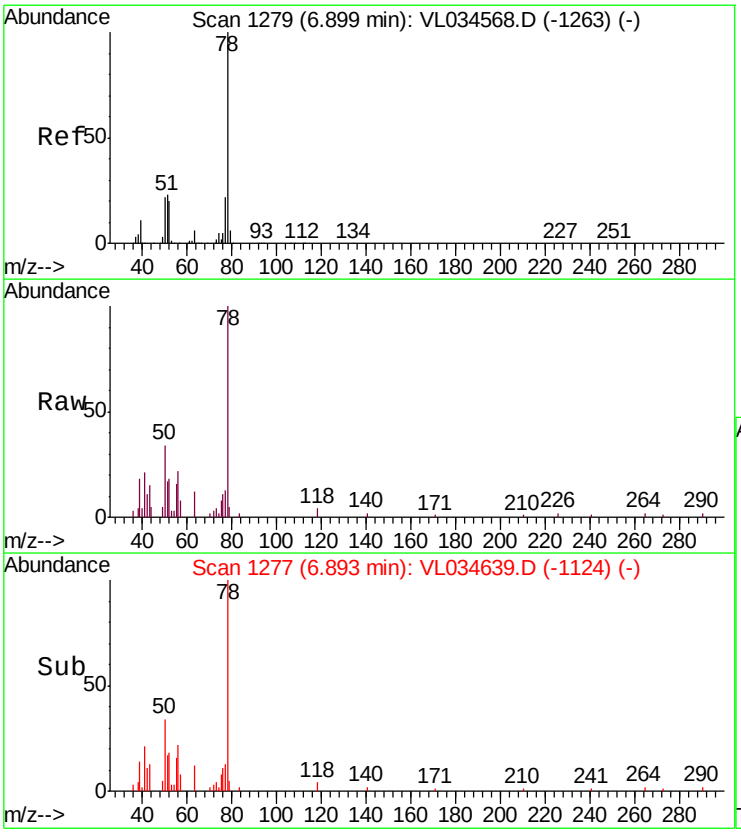
#34
2-Butanone
Concen: 14.760 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 43 Resp: 1904804

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.2	25.8

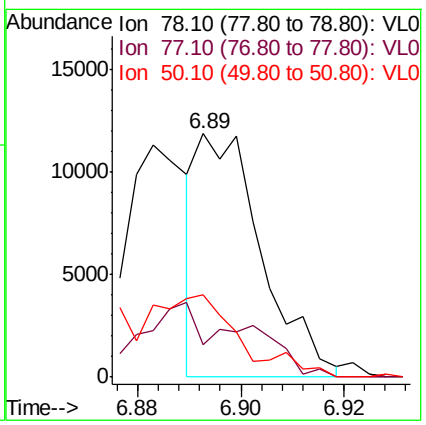


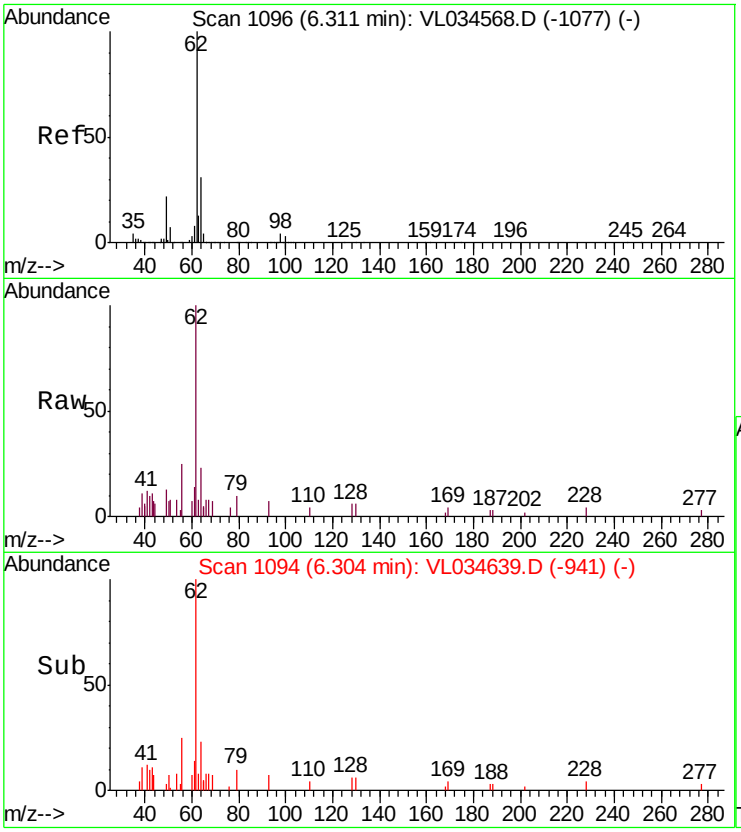


#36
Benzene
Concen: 0.065 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 78 Resp: 10251

Ion	Ratio	Lower	Upper
78	100		
77	8.8	17.3	25.9#
50	30.9	17.4	26.2#



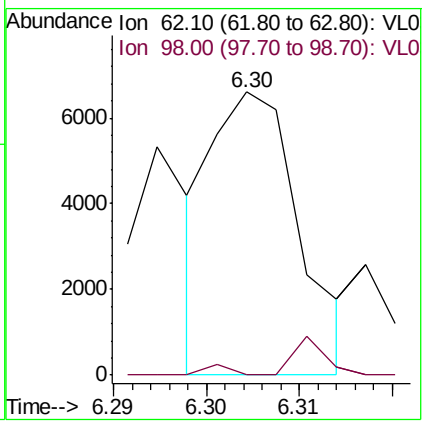


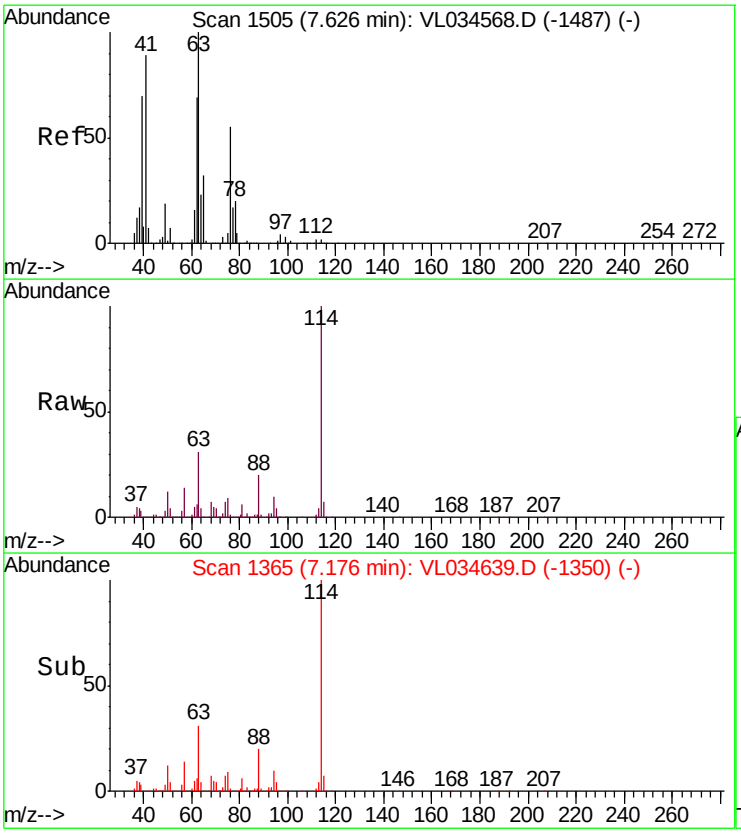
#37
1,2-Dichloroethane
Concen: 0.033 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 62 Resp: 4341

Ion	Ratio	Lower	Upper
62	100		
98	0.0	3.7	5.5#

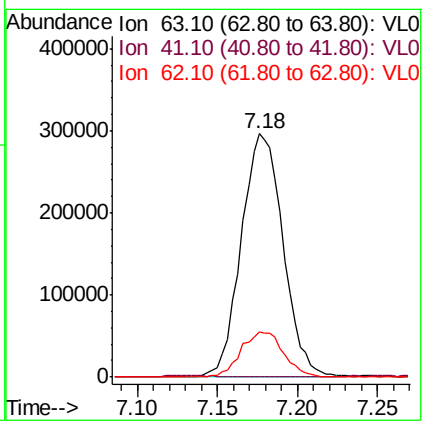


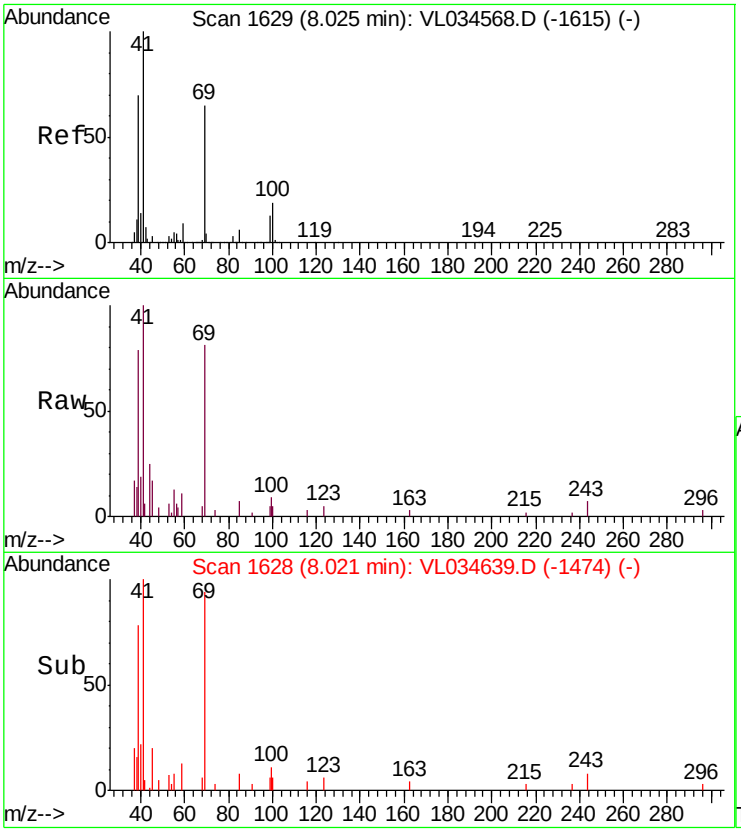


#39
1,2-Dichloropropane
Concen: 8.060 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.45 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 63 Resp: 528083

Ion	Ratio	Lower	Upper
63	100		
41	0.0	71.0	106.4#
62	18.8	55.4	83.0#



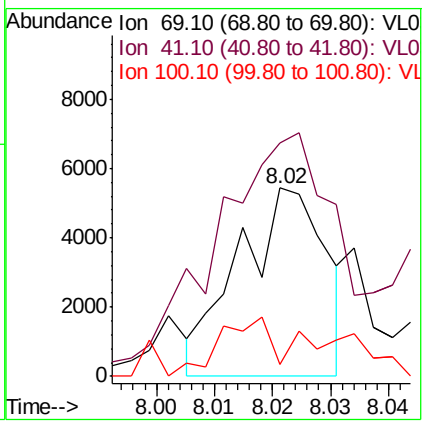


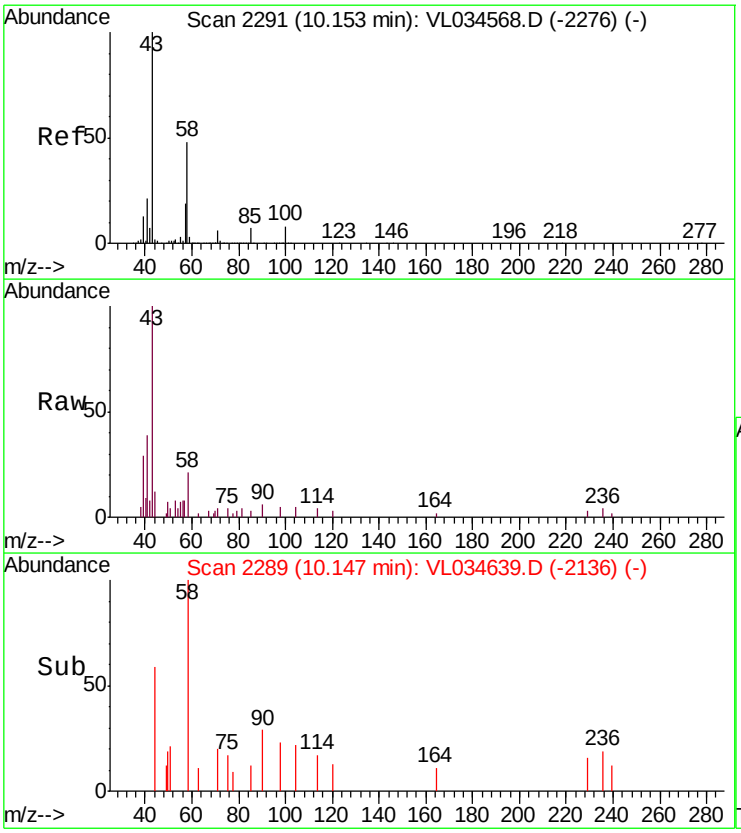
#43
Methyl Methacrylate
Concen: 0.089 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 69 Resp: 5657

Ion	Ratio	Lower	Upper
69	100		
41	249.6	123.9	185.9#
100	41.5	24.1	36.1#

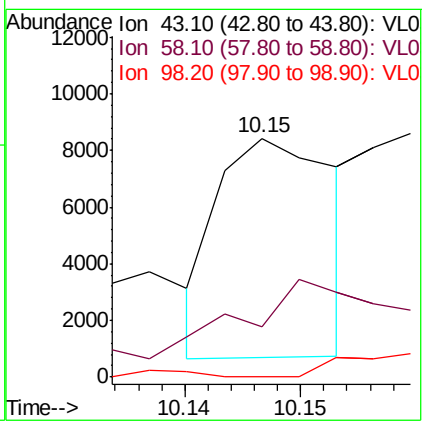


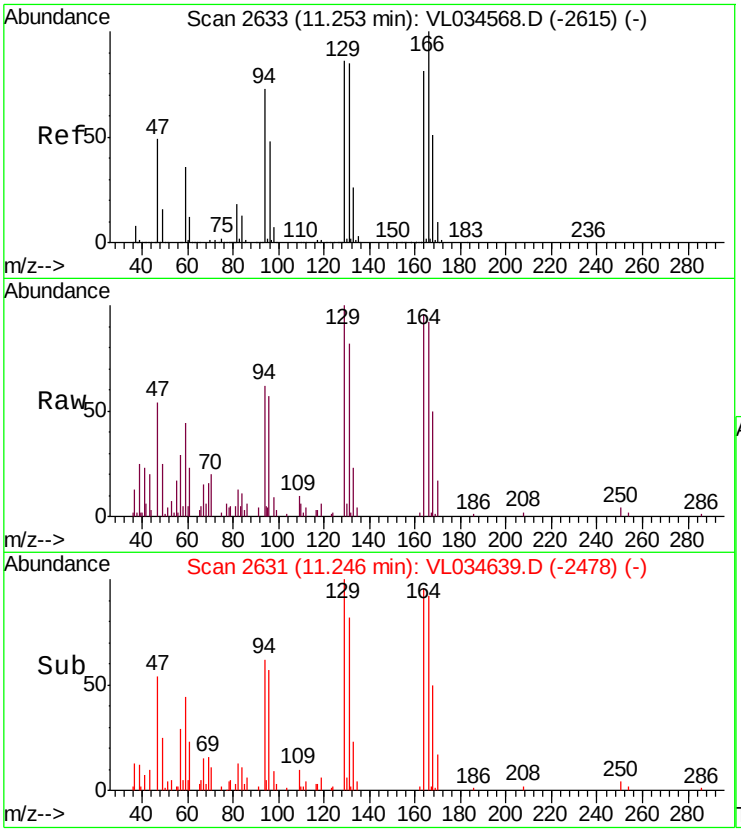


#51
2-Hexanone
Concen: 0.037 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 43 Resp: 5423

Ion	Ratio	Lower	Upper
43	100		
58	138.2	37.9	56.9#
98	0.0	0.3	0.5#



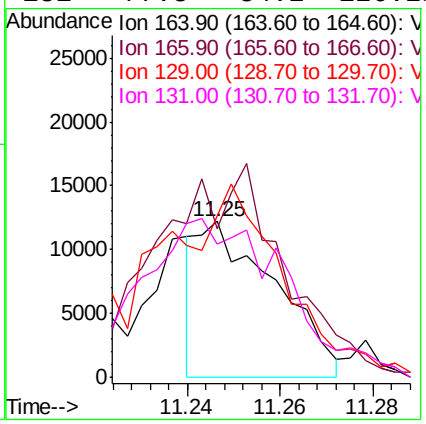


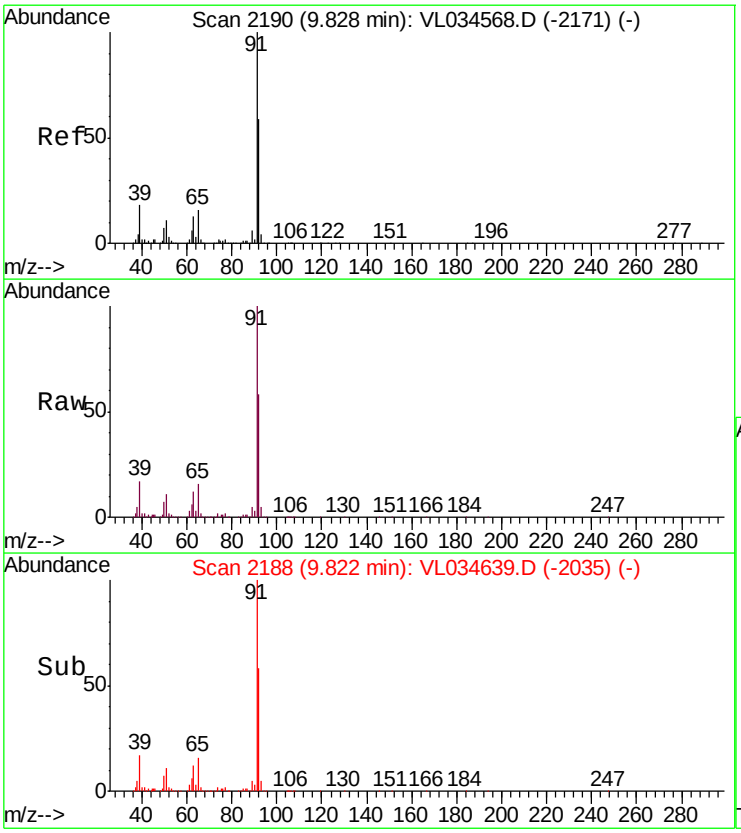
#52
Tetrachloroethene
Concen: 0.223 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion:164 Resp: 14129

Ion	Ratio	Lower	Upper
164	100		
166	77.0	99.0	148.4#
129	97.4	85.3	127.9
131	77.8	84.2	126.2#

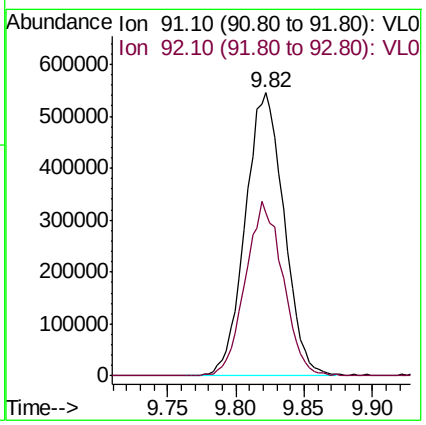


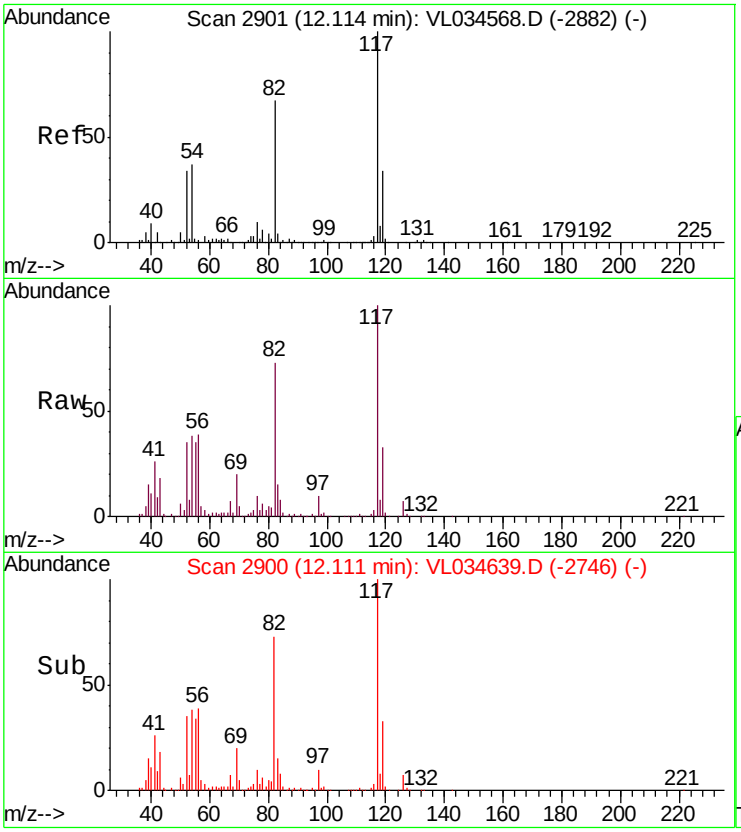


#53
Toluene
Concen: 6.200 ppbv
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 91 Resp: 1076585

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.2	72.2



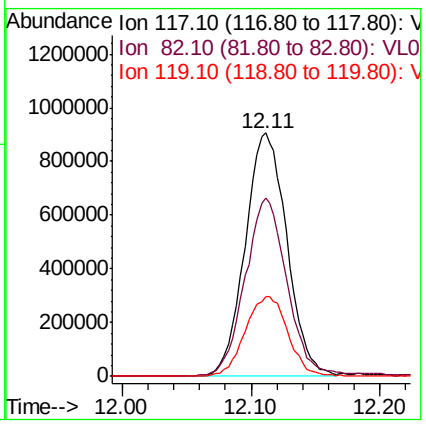


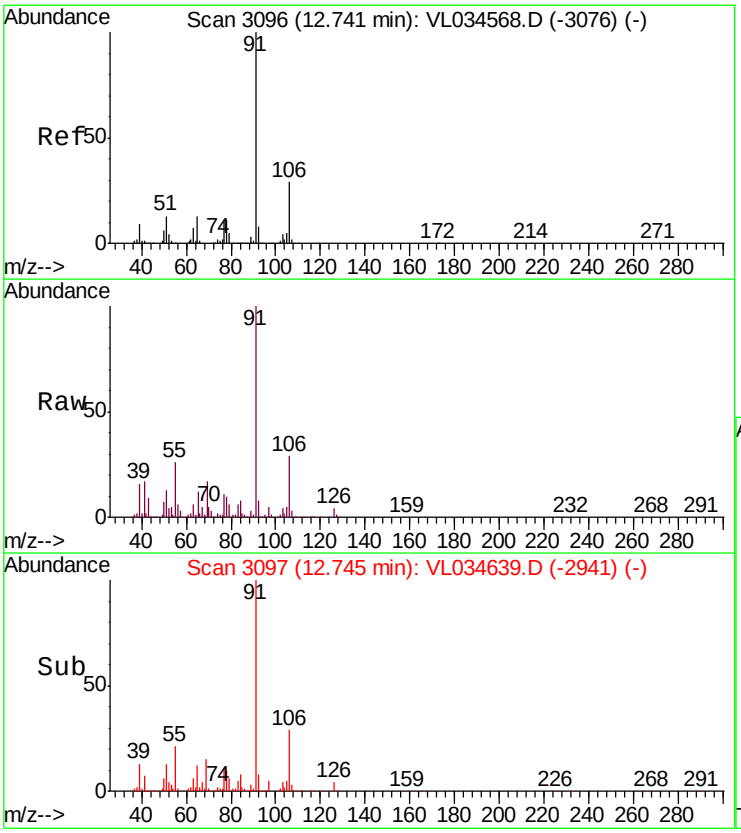
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion:117 Resp: 2044094

Ion	Ratio	Lower	Upper
117	100		
82	75.3	54.2	81.4
119	33.7	26.1	39.1

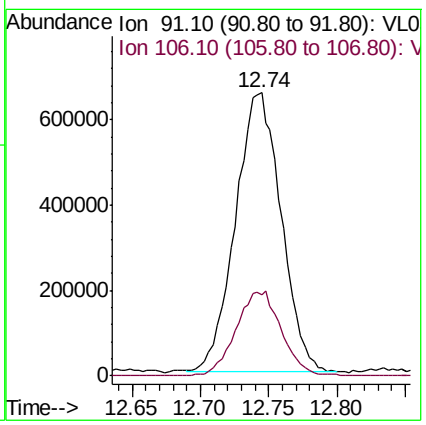


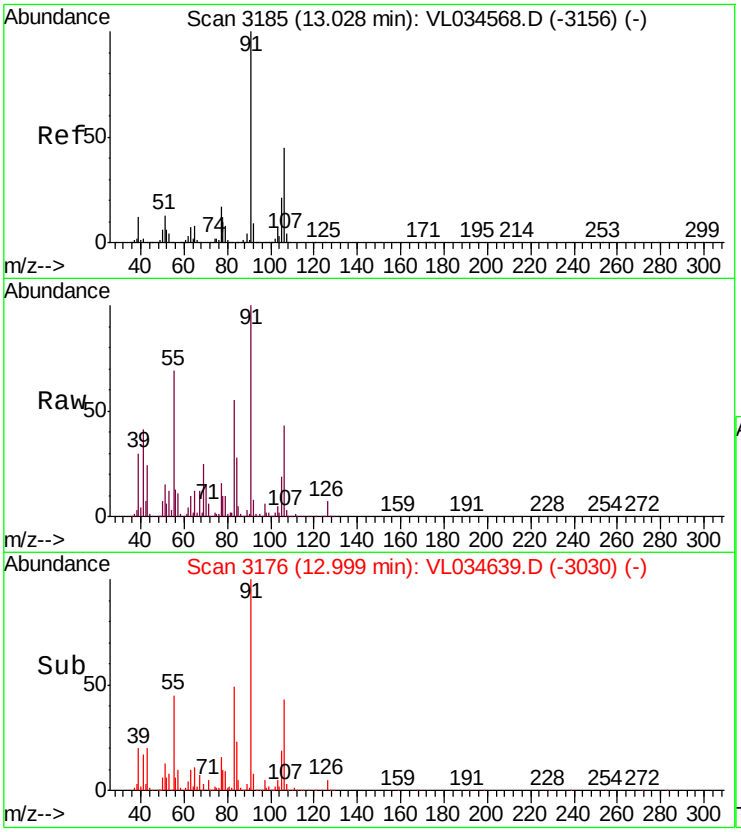


#58
Ethyl Benzene
Concen: 5.565 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 91 Resp: 1522296

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.3	34.9



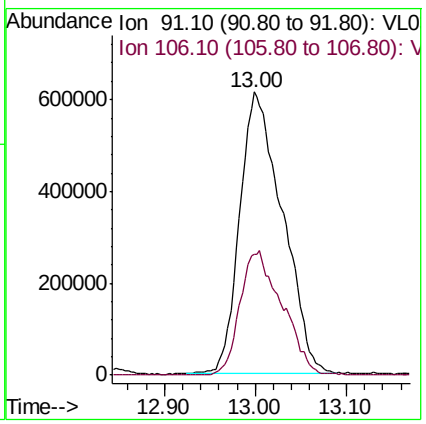


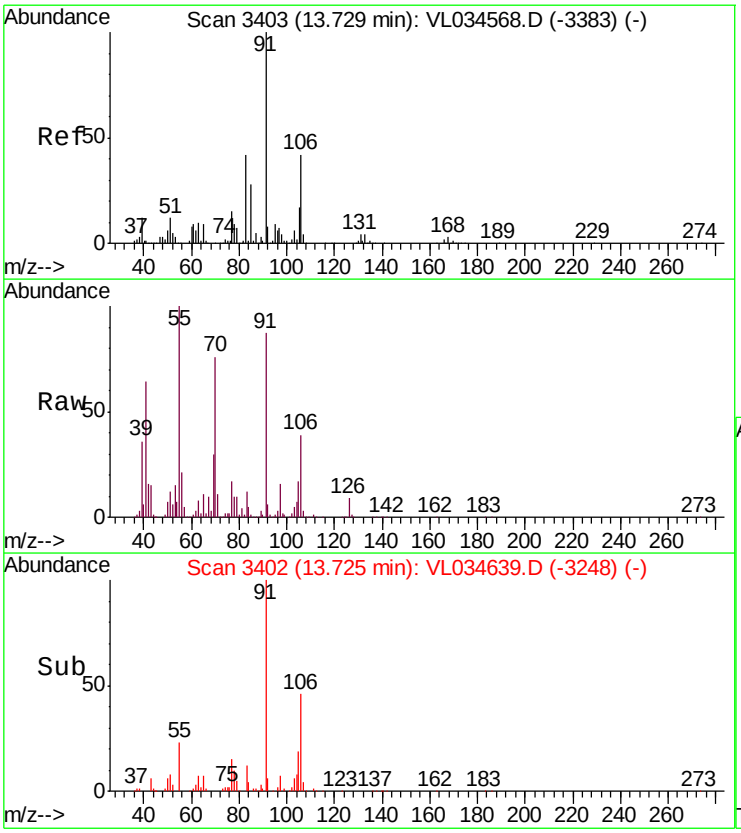
#59
m/p-Xylene
Concen: 8.266 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.03 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 91 Resp: 1998775

Ion	Ratio	Lower	Upper
91	100		
106	43.7	35.3	52.9

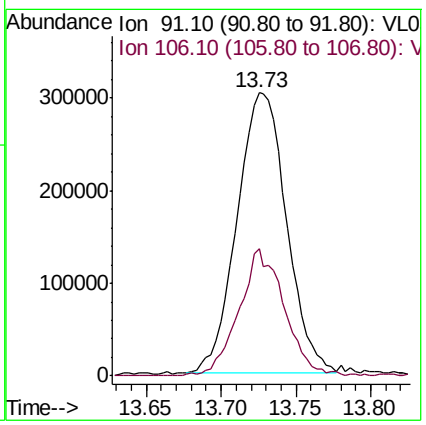


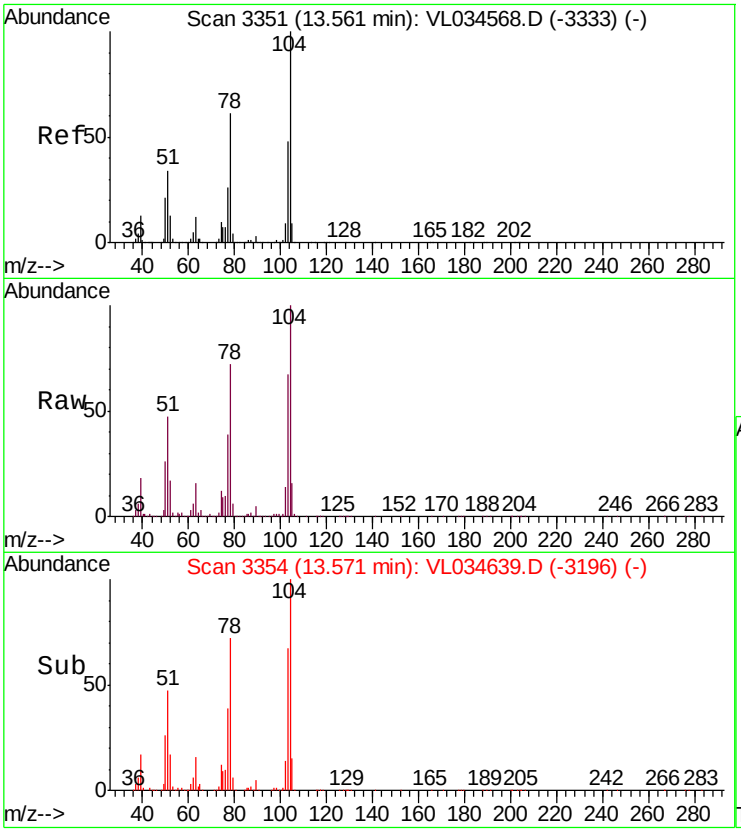


#60
o-Xylene
Concen: 2.875 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion: 91 Resp: 698233

Ion	Ratio	Lower	Upper
91	100		
106	41.6	21.6	65.0



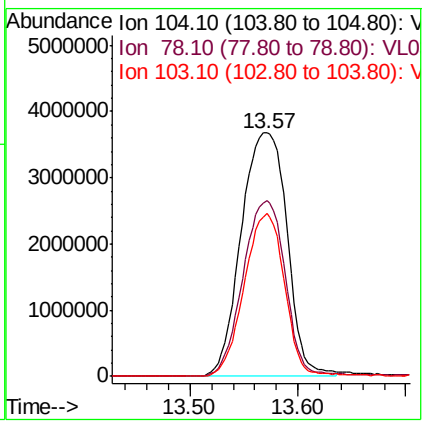


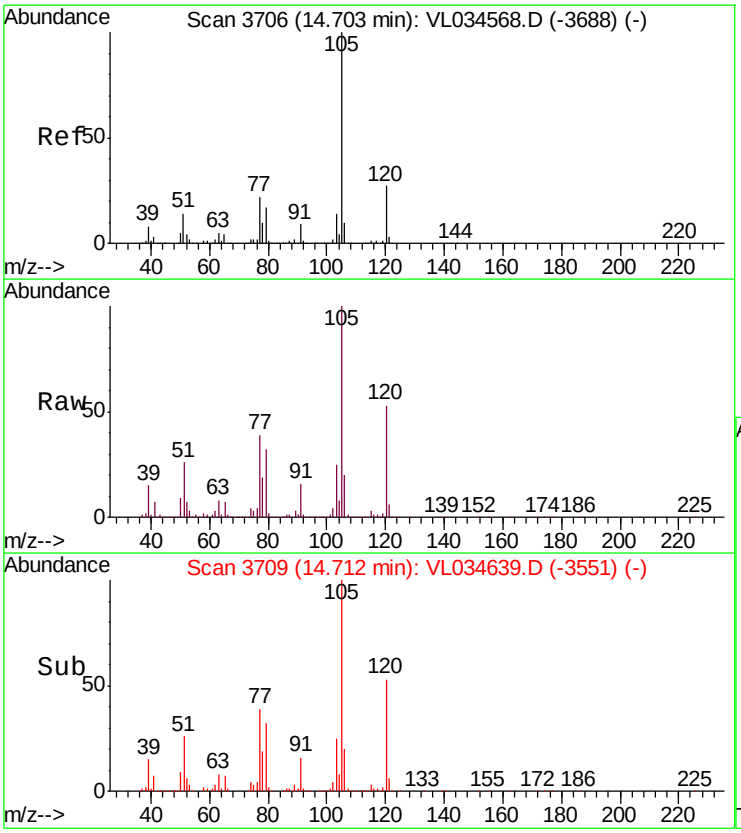
#61
Styrene
Concen: 67.132 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion:104 Resp:10869589

Ion	Ratio	Lower	Upper
104	100		
78	67.2	47.0	70.6
103	59.2	38.5	57.7#

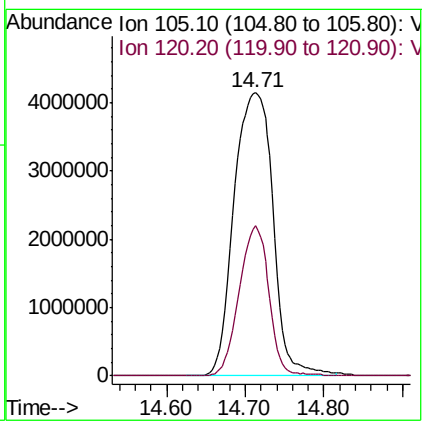


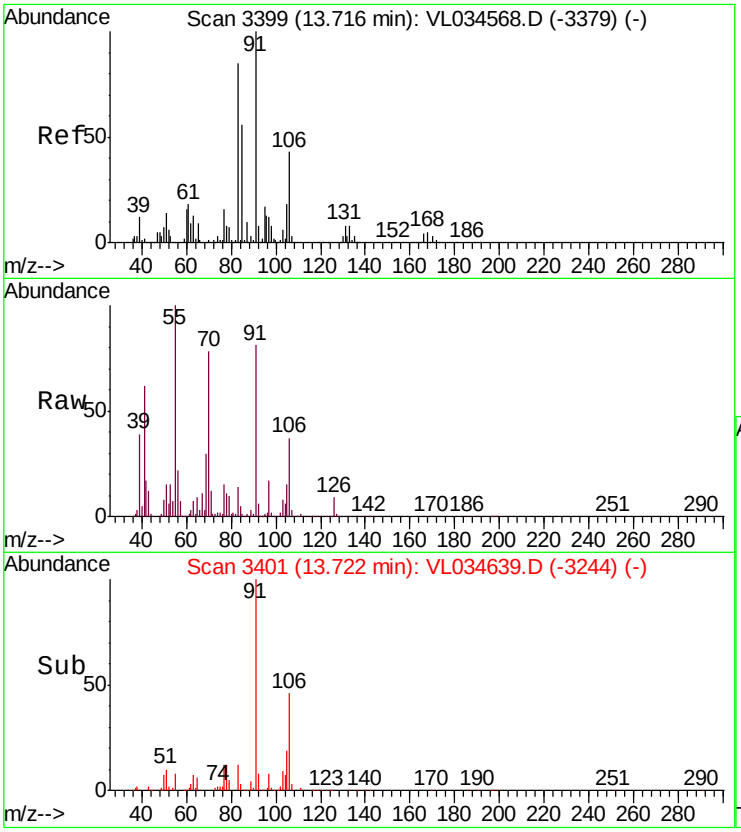


#62
Isopropylbenzene
Concen: 45.908 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion:105 Resp:14446152

Ion	Ratio	Lower	Upper
105	100		
120	40.8	20.7	31.1#



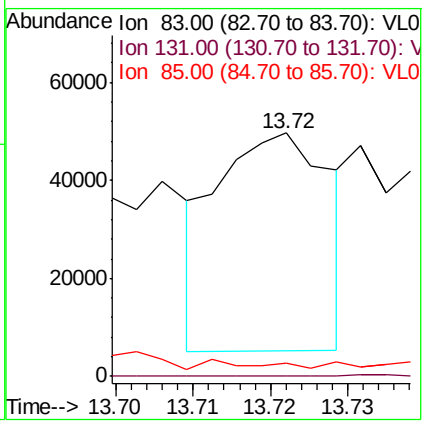


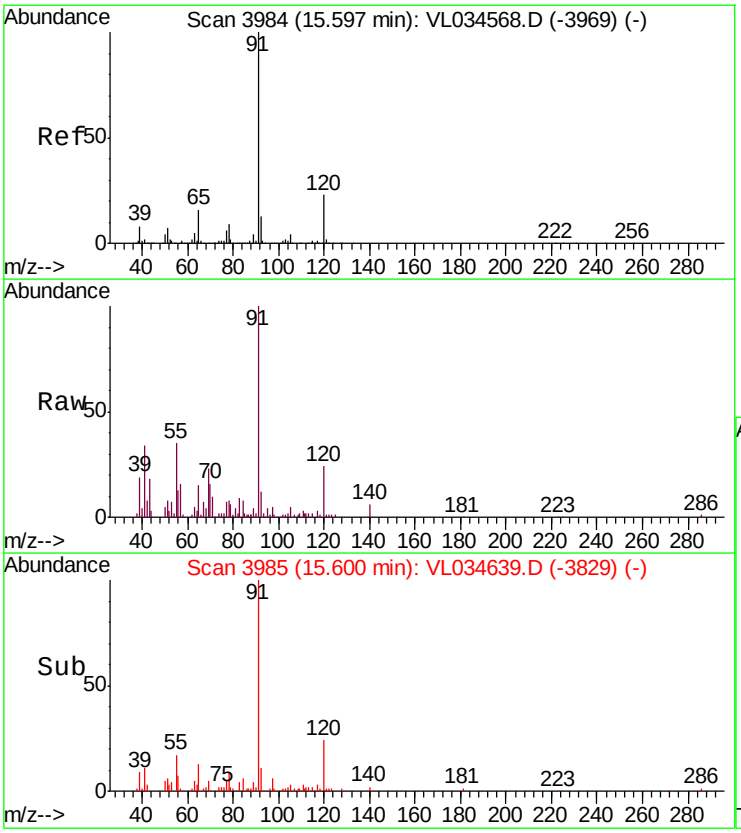
#63
1,1,2,2-Tetrachloroethane
Concen: 0.239 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.01 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion: 83 Resp: 44808

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.6	98.0#

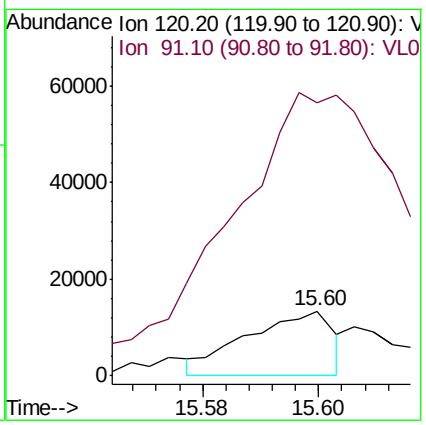


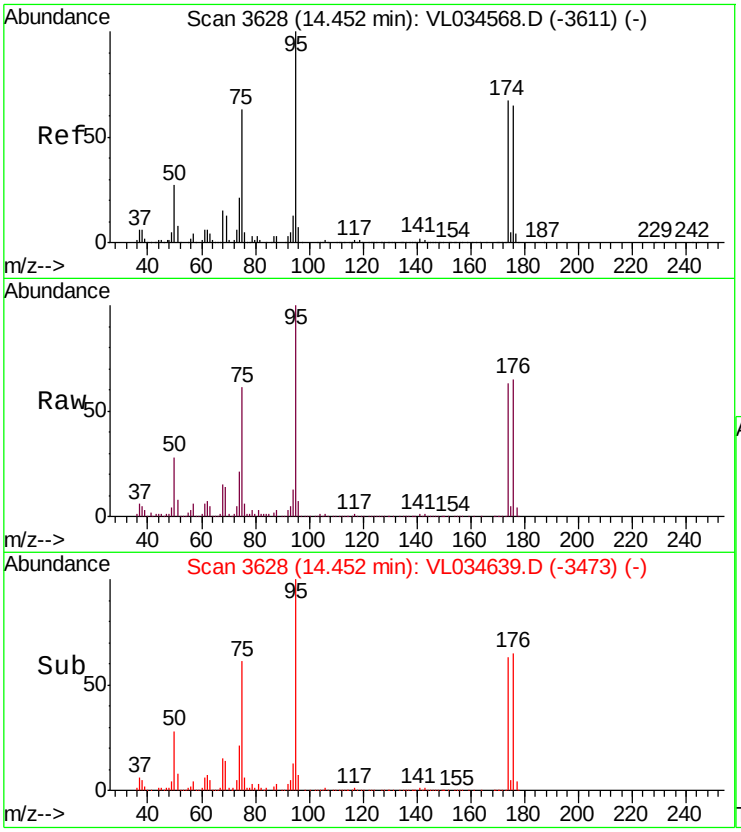


#64
n-propylbenzene
Concen: 0.172 ppbv
RT: 15.60 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion:120 Resp: 13885

Ion	Ratio	Lower	Upper
120	100		
91	938.5	365.3	547.9#



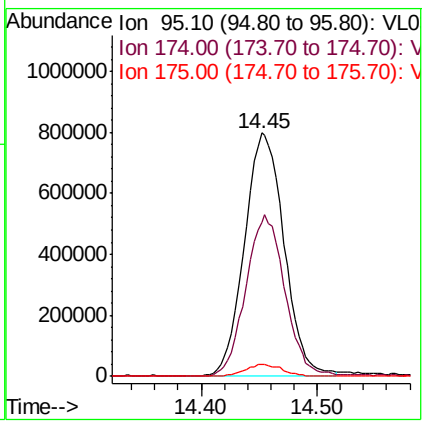


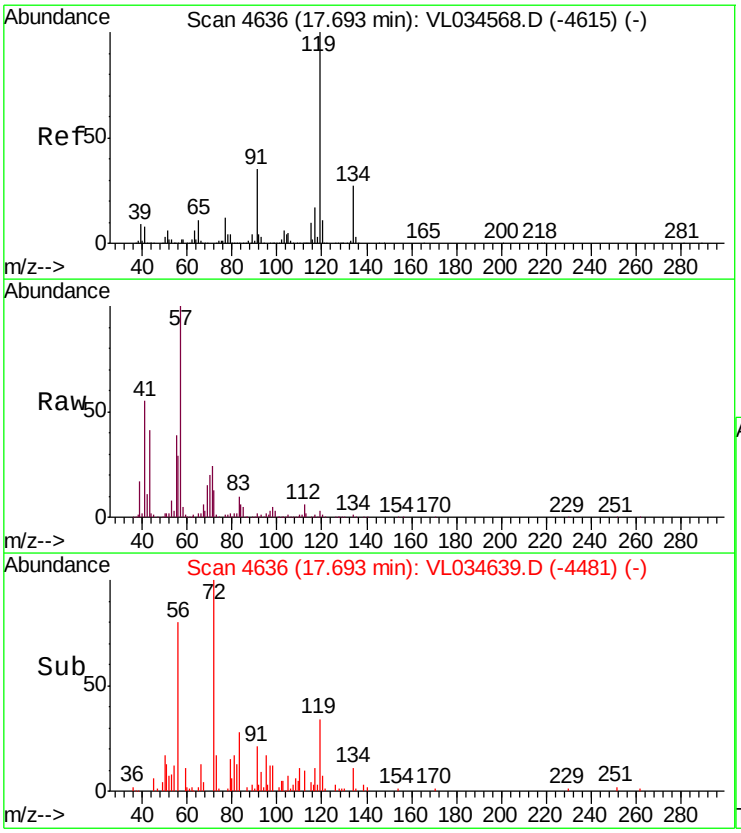
#68
1-Bromo-4-Fluorobenzene
Concen: 10.986 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument : MSVOA_L
ClientSampleId : SS-1

Tgt Ion: 95 Resp: 1897890

Ion	Ratio	Lower	Upper
95	100		
174	66.4	52.3	78.5
175	4.6	3.8	5.6

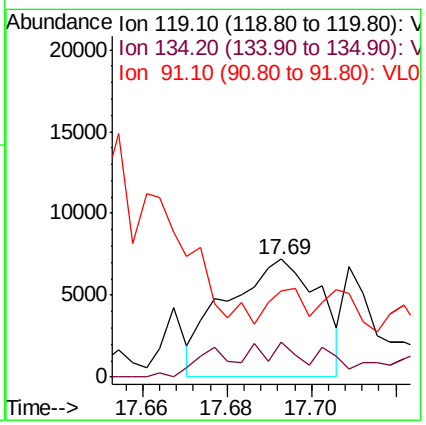


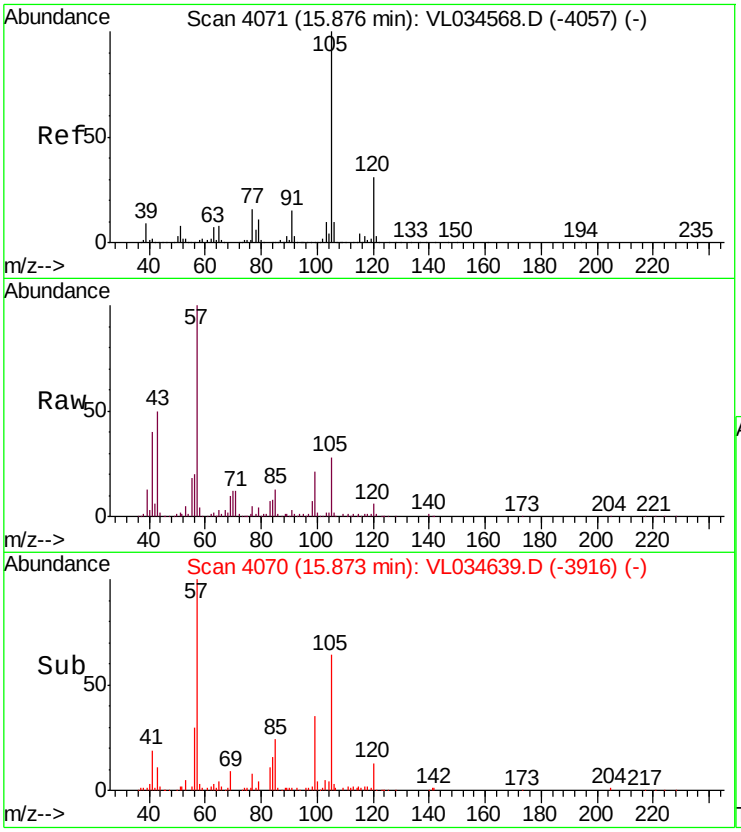


#69
p-Isopropyltoluene
Concen: 0.035 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion:119 Resp: 11090

Ion	Ratio	Lower	Upper
119	100		
134	37.5	20.7	31.1#
91	0.0	26.9	40.3#



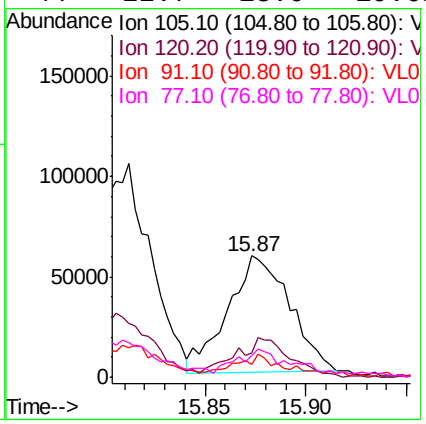


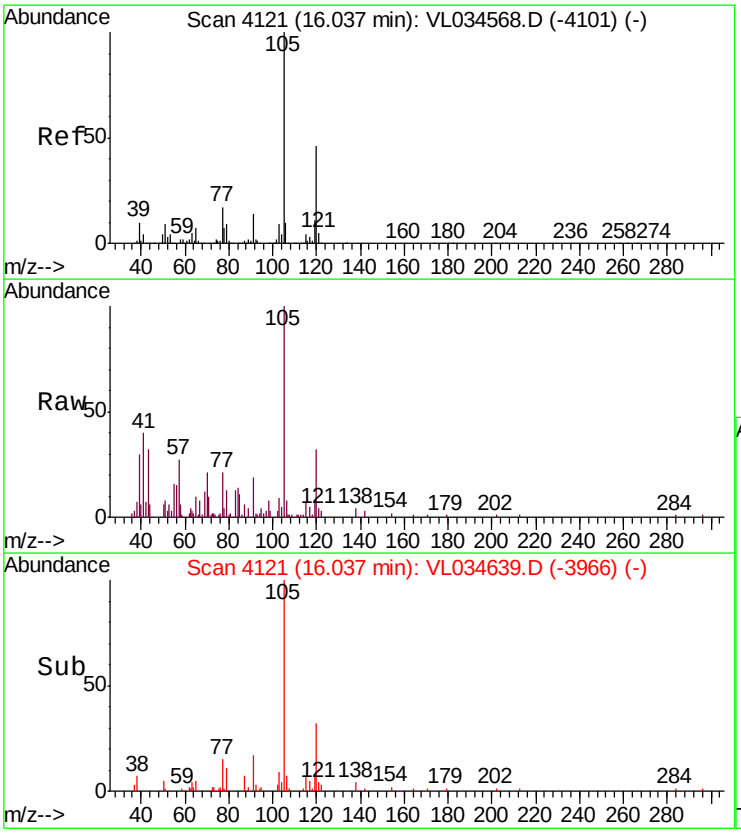
#72
4-Ethyltoluene
Concen: 0.470 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion:105 Resp: 125467

Ion	Ratio	Lower	Upper
105	100		
120	30.6	23.8	35.6
91	15.7	11.8	17.8
77	22.7	13.0	19.6#

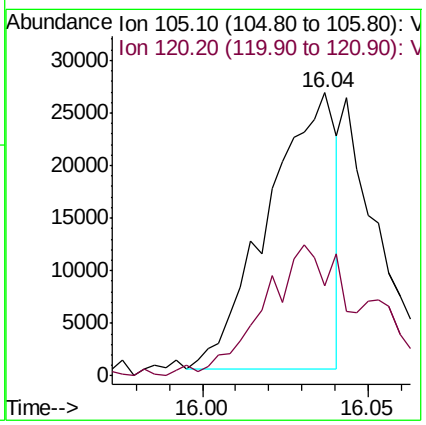


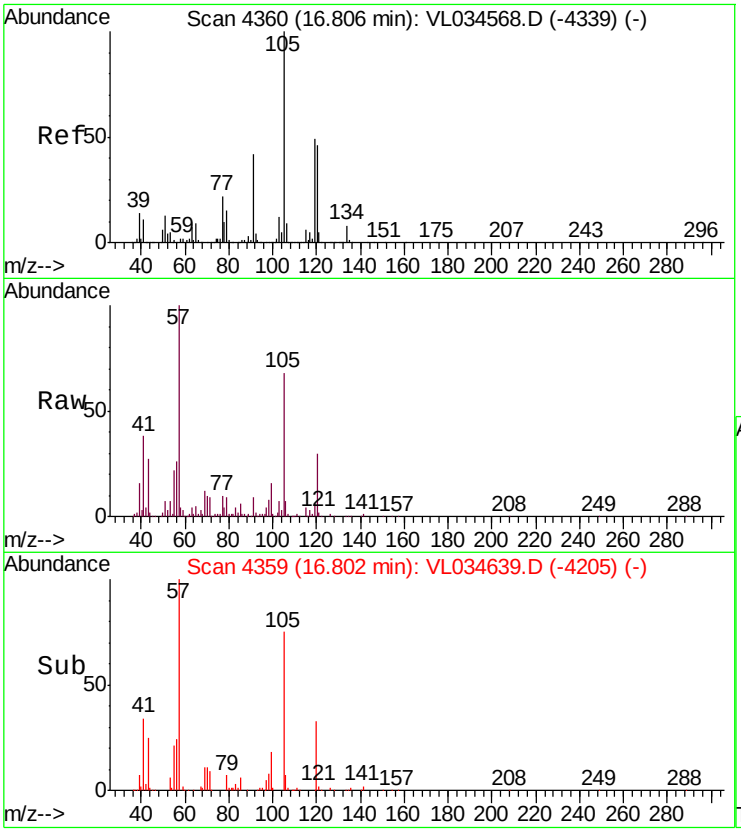


#73
1,3,5-Trimethylbenzene
Concen: 0.145 ppbv
RT: 16.04 min Scan# 4121
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Tgt Ion:105 Resp: 37673

Ion	Ratio	Lower	Upper
105	100		
120	28.4	37.0	55.6#





#74
1,2,4-Trimethylbenzene
Concen: 0.480 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.00 min
Lab File: VL034639.D
Acq: 19 Feb 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tgt Ion:105 Resp: 138458

Ion	Ratio	Lower	Upper
105	100		
120	44.3	37.1	55.7
91	8.7	34.3	51.5#
77	7.2	17.5	26.3#