Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034263.D
Acq On : 9 Oct 2019 00:32
Operator : SY/AP
Sample : K5243-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA3

Quant Time: Oct 09 05:21:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1038033	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.21	114	1726119	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.15	117	1678823	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1519861	10.42	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	1042689	6.800	ppbv		99
3) Chlorodifluoromethane	2.94	51	345333	2.837	ppbv	#	69
4) Chloromethane	3.12	50	43195	0.604	ppbv		96
8) Dichlorotetrafluoroethane	3.03	85	1042689	7.705	ppbv	#	21
9) Propene	3.19	41	334606	5.572	ppbv		98
10) Heptane	8.16	43	17572	0.112	ppbv	#	59
11) Trichlorofluoromethane	3.94	101	99349	0.712	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4264	0.047	ppbv	#	54
13) Ethanol	3.64	45	7938077	545.921	ppbv	#	36
15) Acetone	3.84	43	4015504	28.863	ppbv		94
16) 1,3-Butadiene	3.29	39	7942	0.131	ppbv	#	38
17) tert-Butyl alcohol	4.03	59	928552	10.534	ppbv	#	89
19) Isopropyl Alcohol	4.02	45	22522375	263.258	ppbv		100
20) Methylene Chloride	4.35	84	76169	1.899	ppbv		92
21) Allyl Chloride	4.19	41	63754	0.811	ppbv	#	1
23) Vinyl Acetate	5.07	43	72044	0.351	ppbv	#	24
25) Ethyl Acetate	5.70	43	160802	0.611	ppbv	#	94
26) Hexane	5.70	57	53209	0.486	ppbv	#	37
29) Chloroform	5.77	83	66173	0.423	ppbv	#	83
30) Cyclohexane	7.17	84	56907	0.720	ppbv		93
34) 2-Butanone	5.26	43	233838	1.327	ppbv		99
36) Benzene	6.92	78	31862	0.167	ppbv	#	91
37) 1,2-Dichloroethane	6.33	62	14850	0.110	ppbv	#	95
38) Trichloroethene	7.88	130	17201	0.253	ppbv	#	81
39) 1,2-Dichloropropane	7.21	63	575430	6.718	ppbv	#	20
41) Tetrahydrofuran	6.08	42	6475	0.065	ppbv	#	50
44) 2,2,4-Trimethylpentane	7.91	57	12787	0.035	ppbv	#	1
53) Toluene	9.86	91	159314	0.765	ppbv		96
58) Ethyl Benzene	12.78	91	35472	0.131	ppbv		92
59) m/p-Xylene	13.06	91	19887	0.089	ppbv	#	32
60) o-Xylene	13.76	91	25069	0.112	ppbv		74
61) Styrene	13.60	104	7680	0.048	ppbv	#	9
72) 4-Ethyltoluene	15.91	105	8310	0.033	ppbv	#	11
73) 1,3,5-Trimethylbenzene	16.07	105	16267	0.066	ppbv	#	78
74) 1,2,4-Trimethylbenzene	16.84	105	57223	0.220	ppbv	#	61
76) 1,4-Dichlorobenzene	17.21	146	6604	0.046	ppbv	#	22
79) Naphthalene	22.30	128	38905	0.170	ppbv	#	88

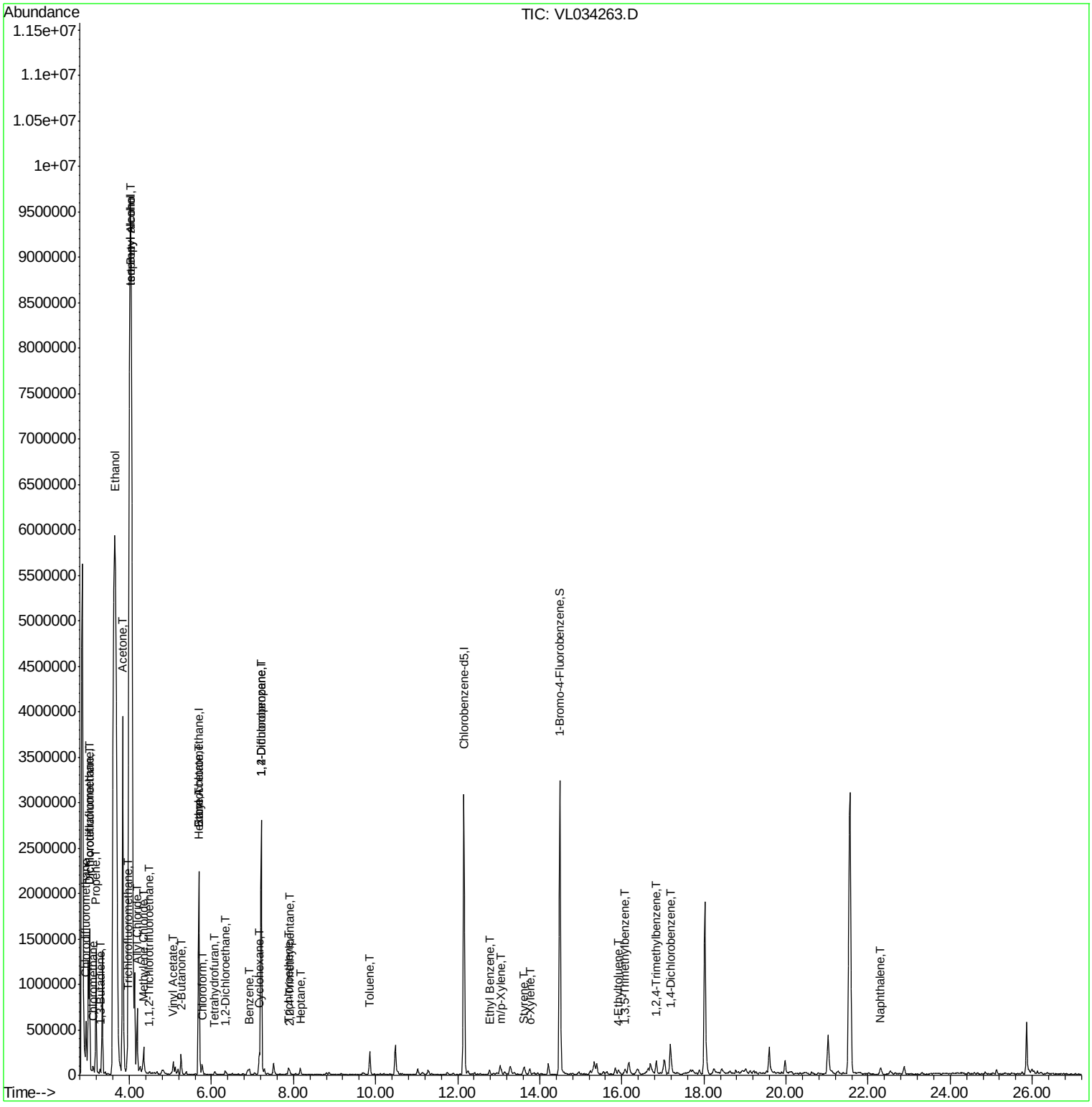
(#) = qualifier out of range (m) = manual integration (+) = signals summed

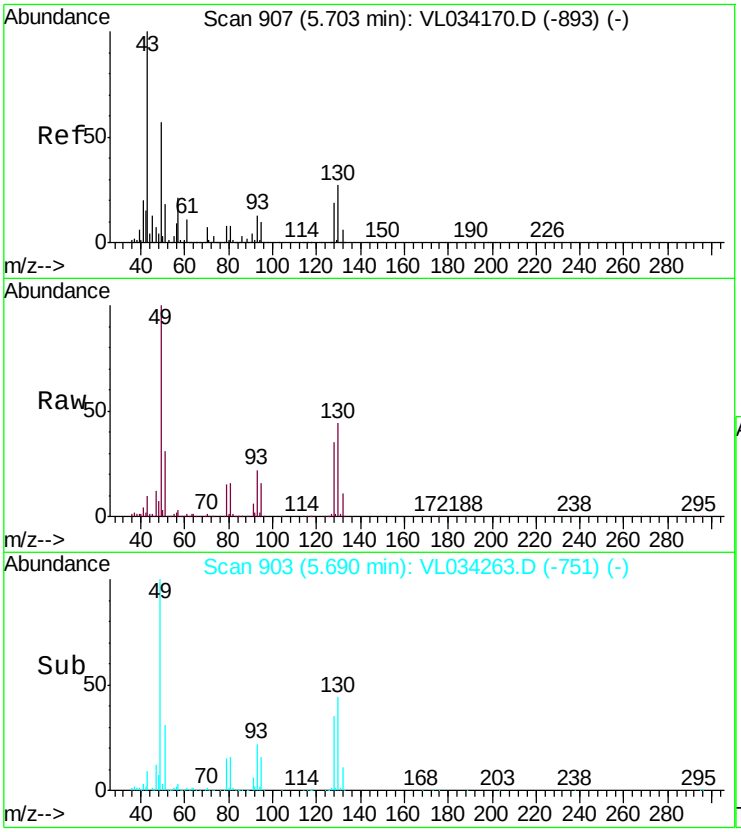
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034263.D
Acq On : 9 Oct 2019 00:32
Operator : SY/AP
Sample : K5243-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA3

Quant Time: Oct 09 05:21:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



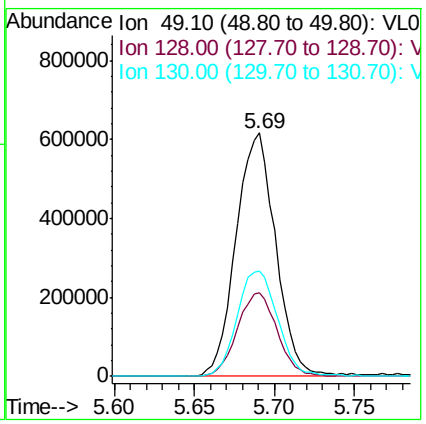


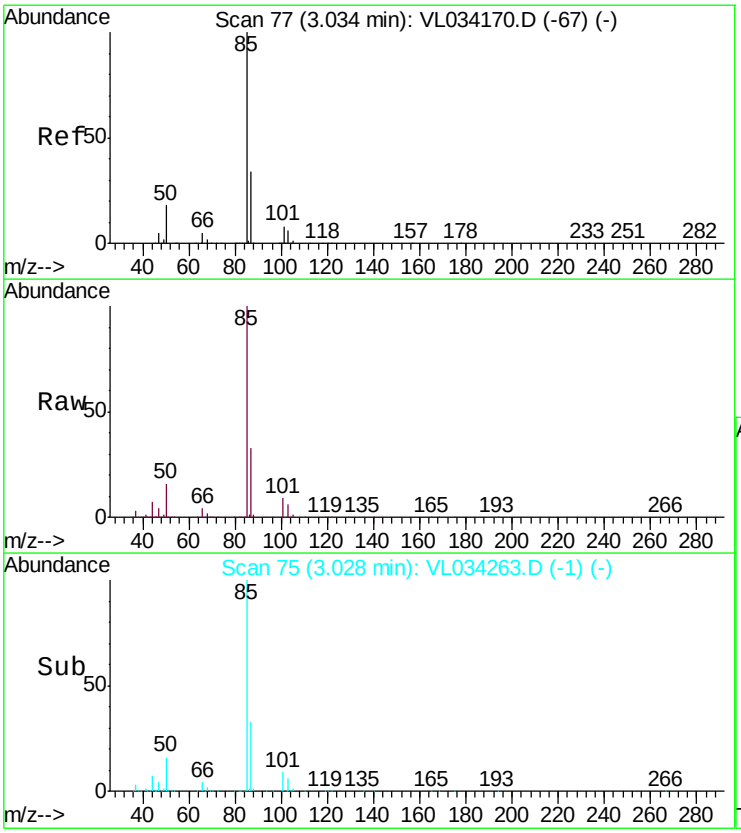
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 49 Resp: 1038033

Ion	Ratio	Lower	Upper
49	100		
128	34.7	17.6	52.9
130	44.7	22.3	66.9

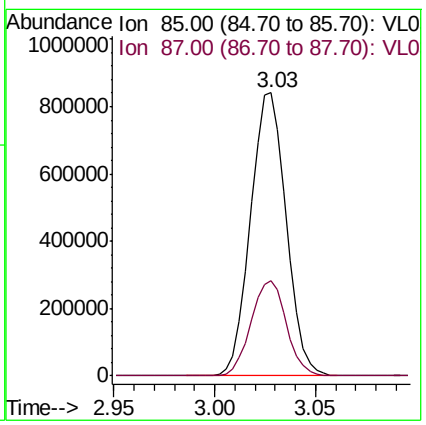


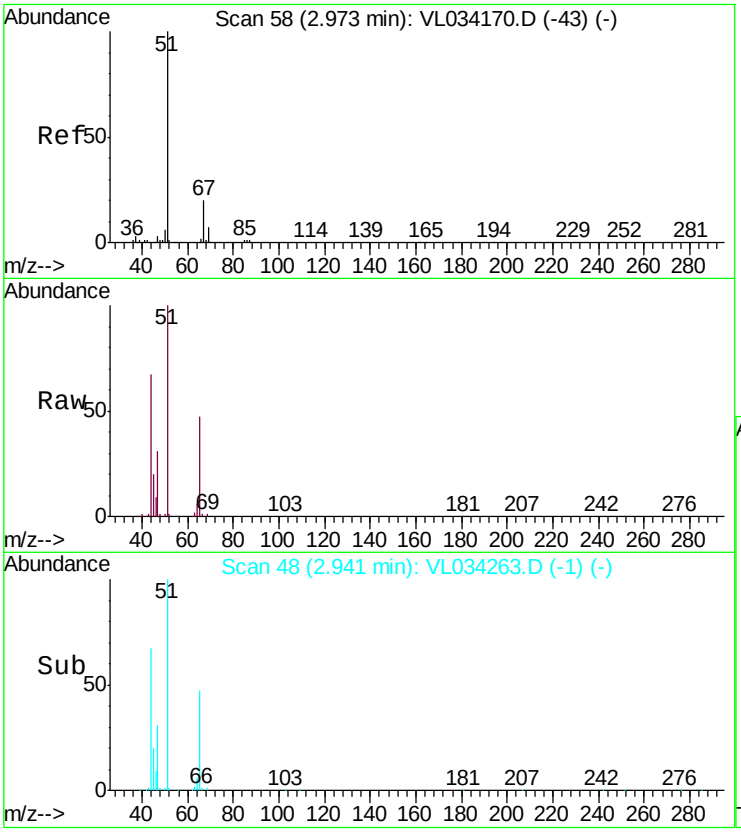


#2
Dichlorodifluoromethane
Concen: 6.800 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 85 Resp: 1042689

Ion	Ratio	Lower	Upper
85	100		
87	33.5	27.2	40.8



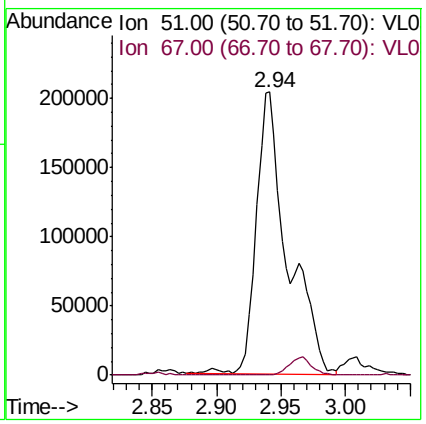


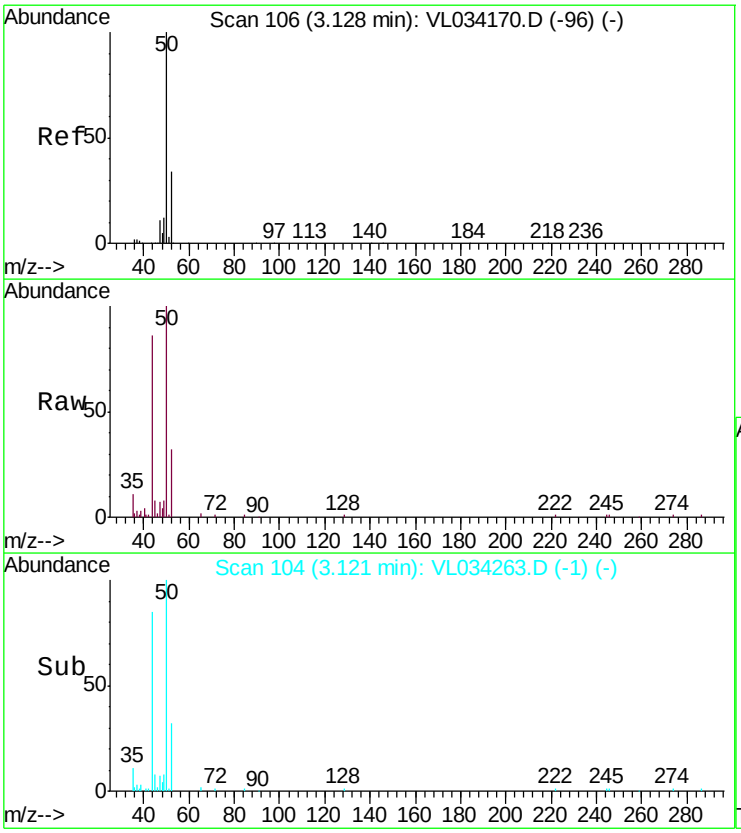
#3
Chlorodifluoromethane
Concen: 2.837 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.03 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 51 Resp: 345333

Ion	Ratio	Lower	Upper
51	100		
67	4.7	14.8	22.2#

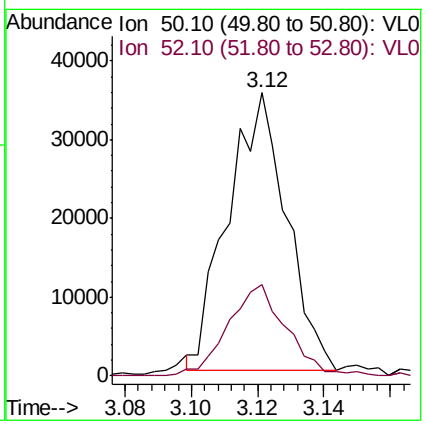


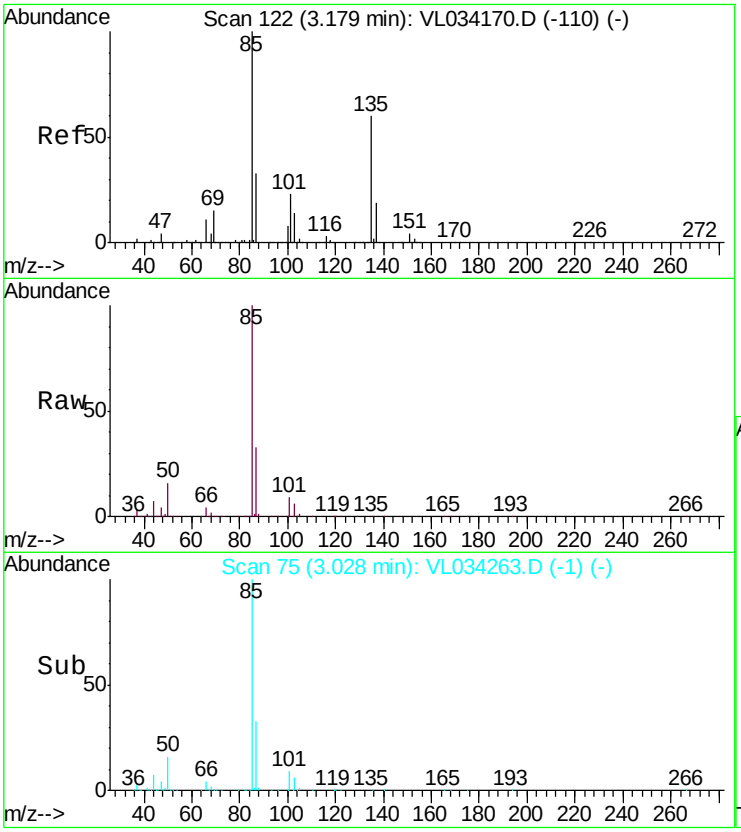


#4
Chloromethane
Concen: 0.604 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 50 Resp: 43195

Ion	Ratio	Lower	Upper
50	100		
52	31.4	27.1	40.7



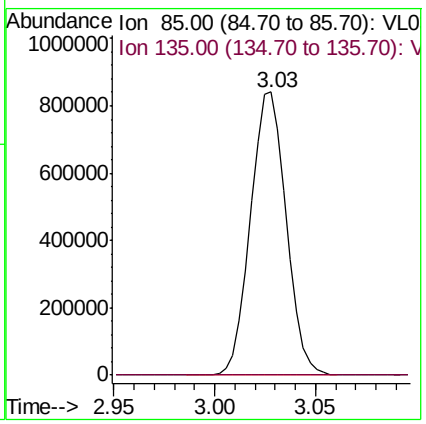


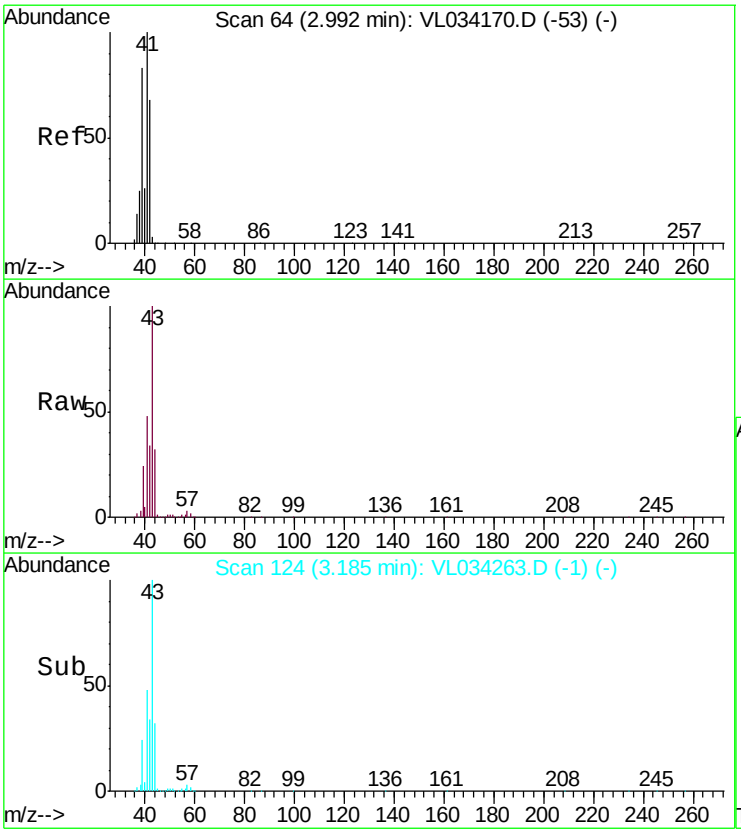
#8
Dichlorotetrafluoroethane
Concen: 7.705 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.15 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 85 Resp: 1042689

Ion	Ratio	Lower	Upper
85	100		
135	0.0	47.3	70.9#

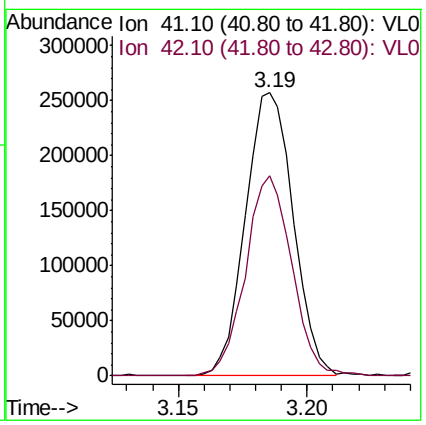


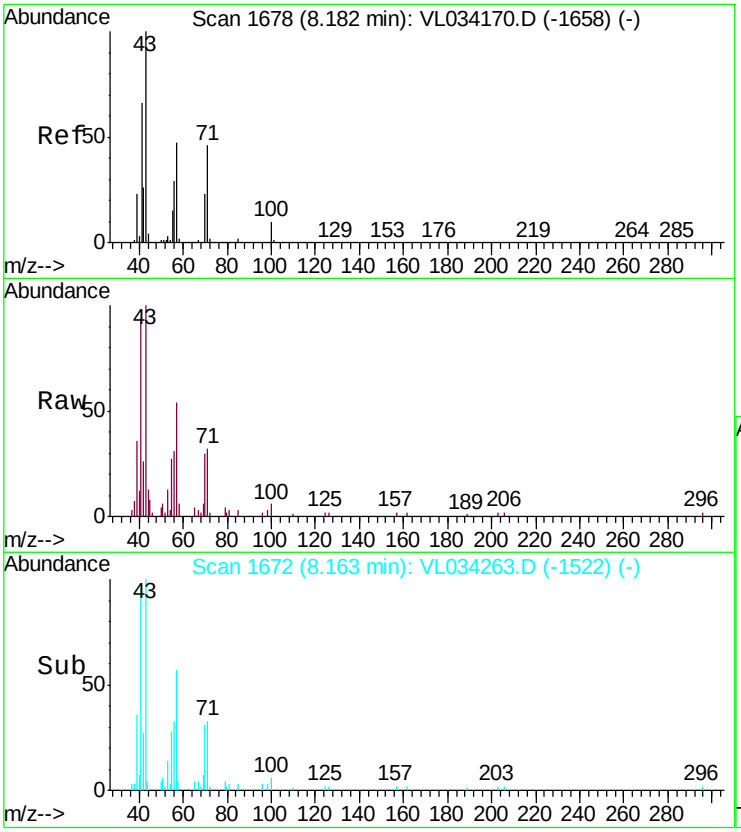


#9
Propene
Concen: 5.572 ppbv
RT: 3.19 min Scan# 124
Delta R.T. 0.19 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 41 Resp: 334606

Ion	Ratio	Lower	Upper
41	100		
42	68.4	55.8	83.6



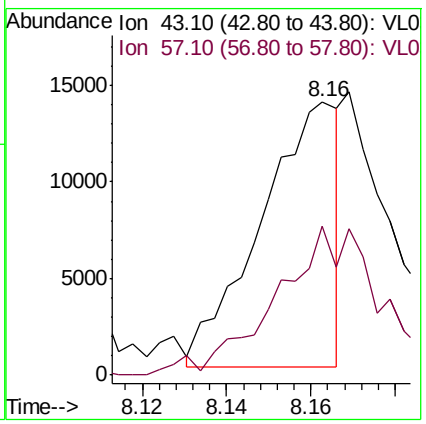


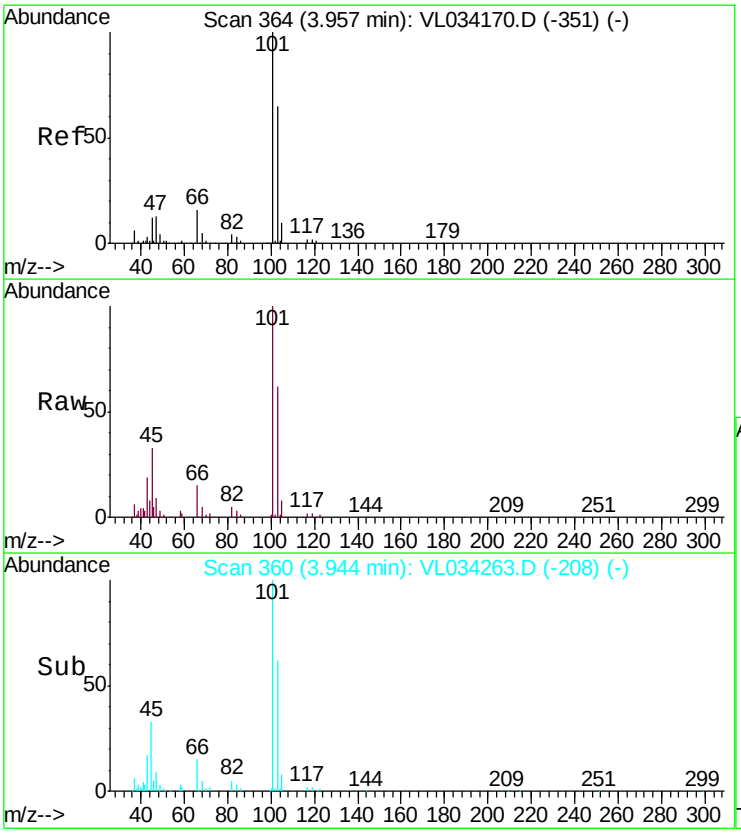
#10
Heptane
Concen: 0.112 ppbv
RT: 8.16 min Scan# 1672
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 43 Resp: 17572

Ion	Ratio	Lower	Upper
43	100		
57	74.1	37.5	56.3#

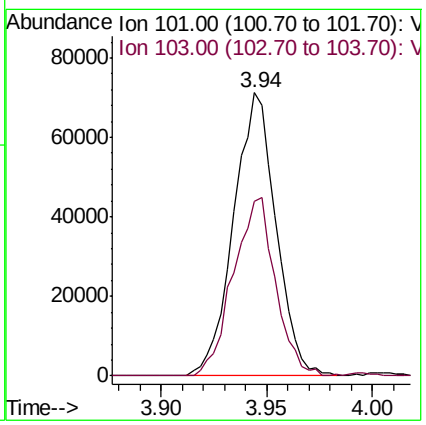


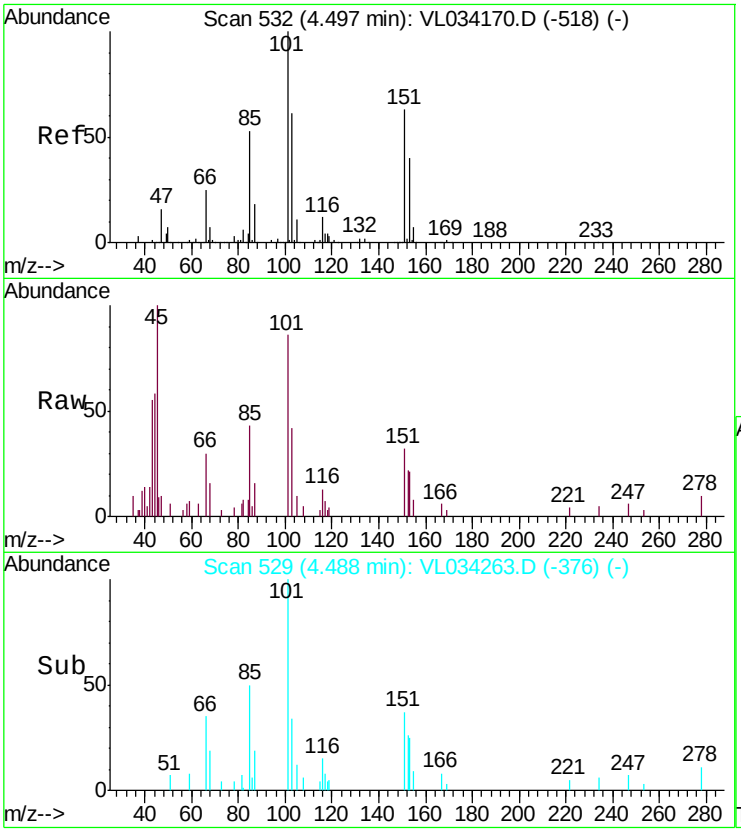


#11
Trichlorofluoromethane
Concen: 0.712 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion:101 Resp: 99349

Ion	Ratio	Lower	Upper
101	100		
103	61.6	52.1	78.1



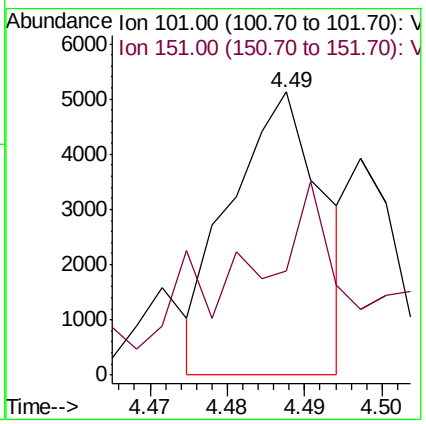


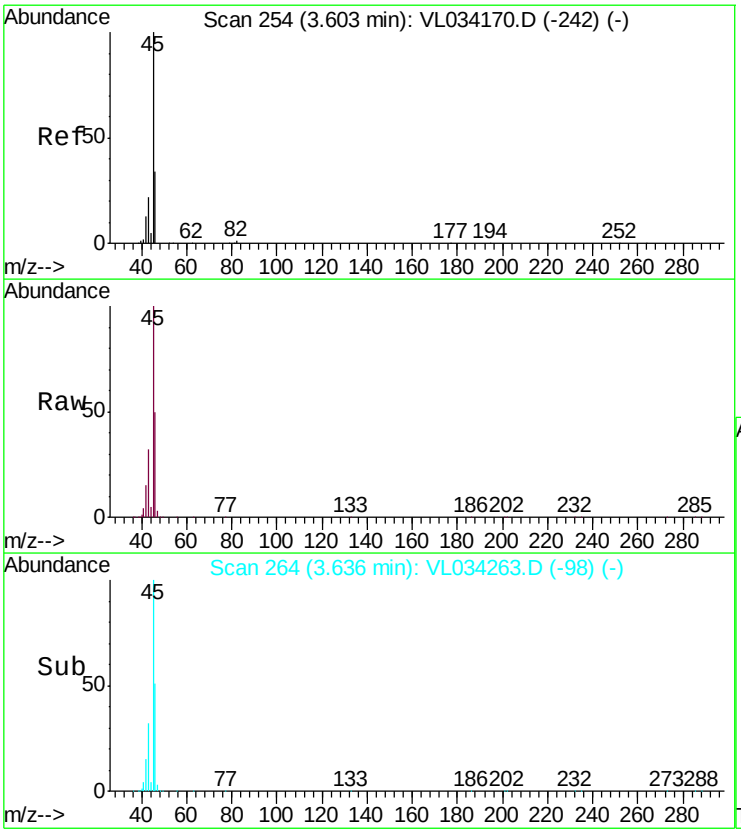
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.047 ppbv
RT: 4.49 min Scan# 529
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion:101 Resp: 4264

Ion	Ratio	Lower	Upper
101	100		
151	100.7	51.8	77.8#

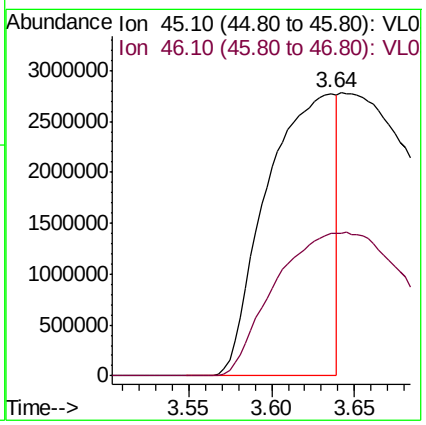


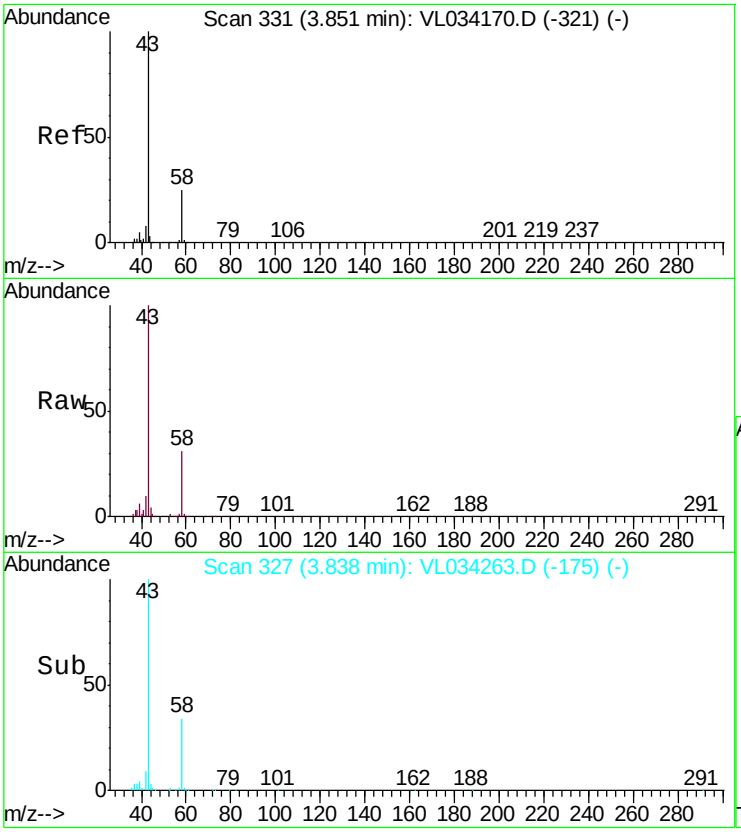


#13
Ethanol
Concen: 545.921 ppbv
RT: 3.64 min Scan# 264
Delta R.T. 0.03 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 45 Resp: 7938077

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.5	61.9#



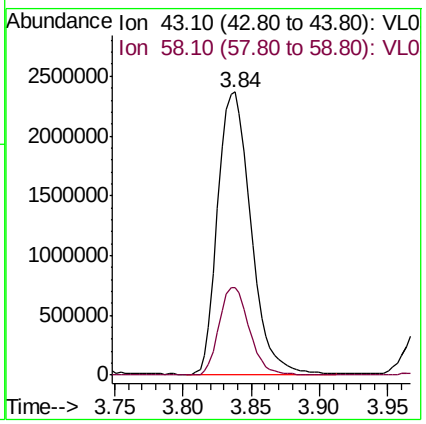


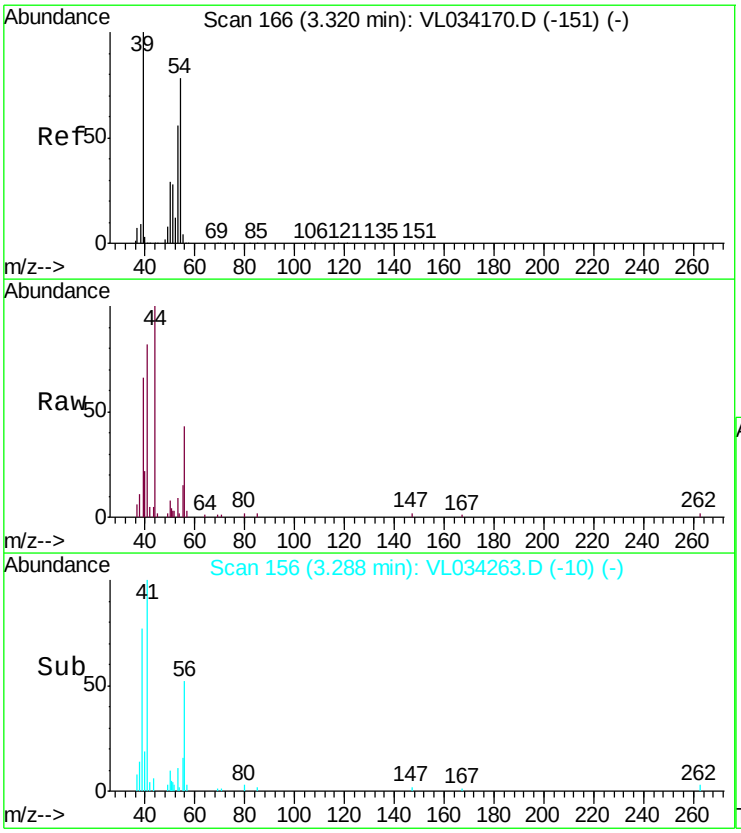
#15
Acetone
Concen: 28.863 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 43 Resp: 4015504

Ion	Ratio	Lower	Upper
43	100		
58	28.4	20.5	30.7

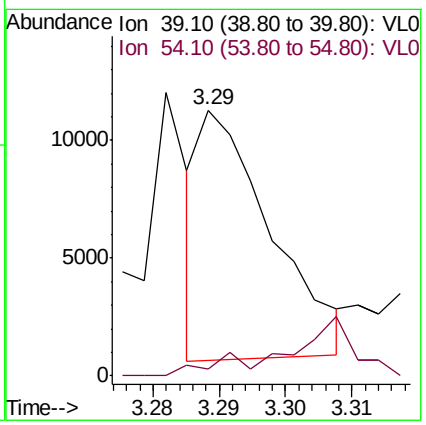


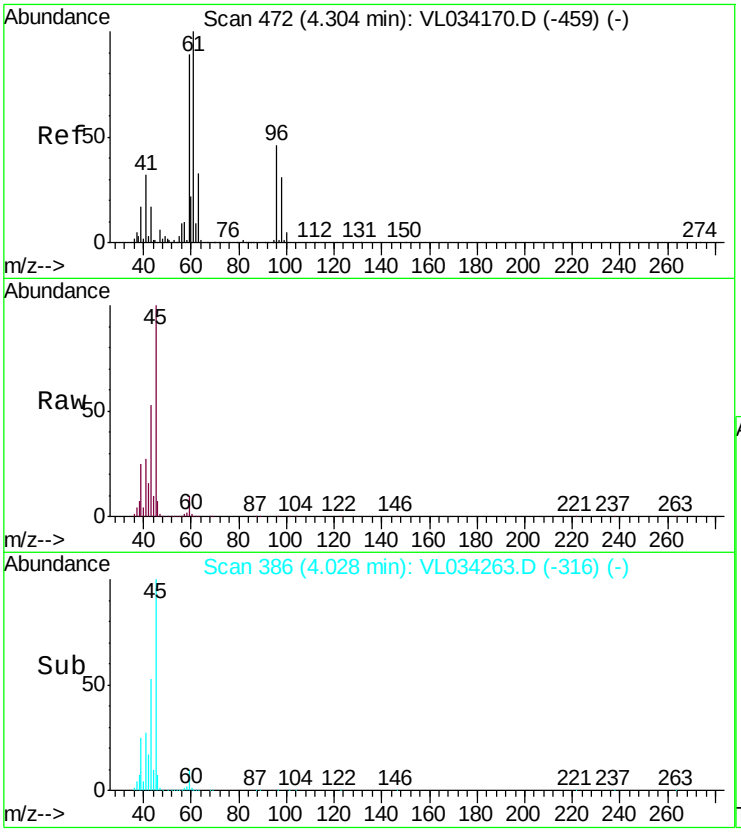


#16
1,3-Butadiene
Concen: 0.131 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.03 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 39 Resp: 7942

Ion	Ratio	Lower	Upper
39	100		
54	24.5	63.4	95.0#



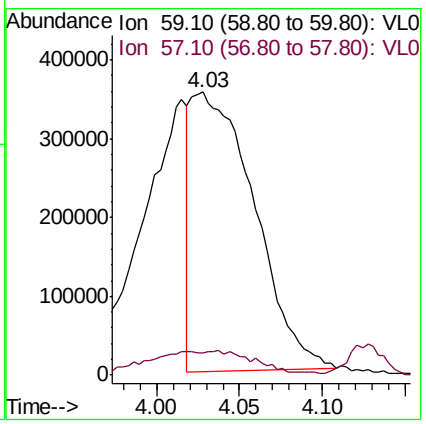


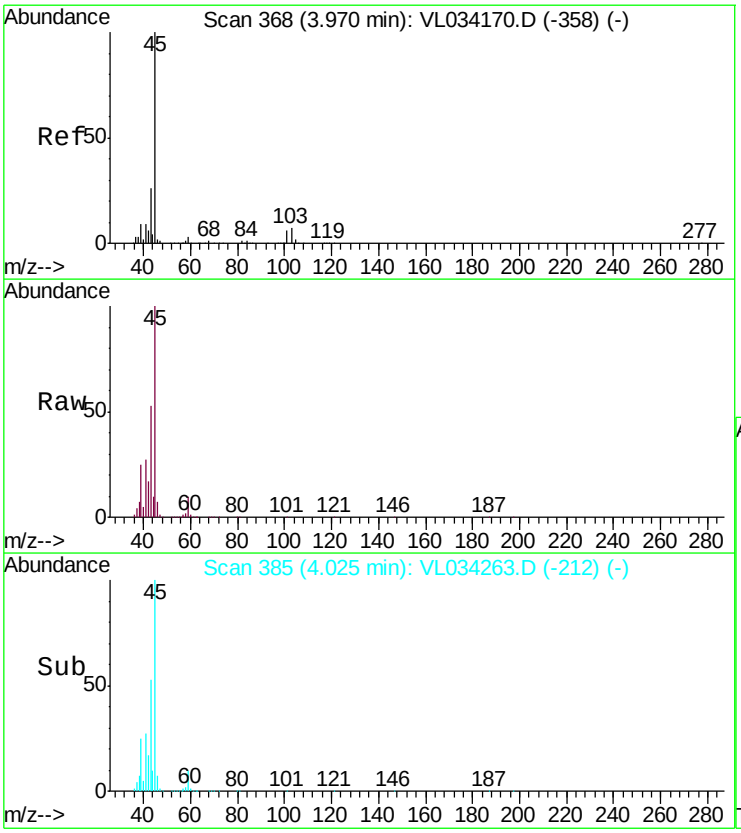
#17
tert-Butyl alcohol
Concen: 10.534 ppbv
RT: 4.03 min Scan# 386
Delta R.T. -0.28 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 59 Resp: 928552

Ion	Ratio	Lower	Upper
59	100		
57	15.2	8.7	13.1#

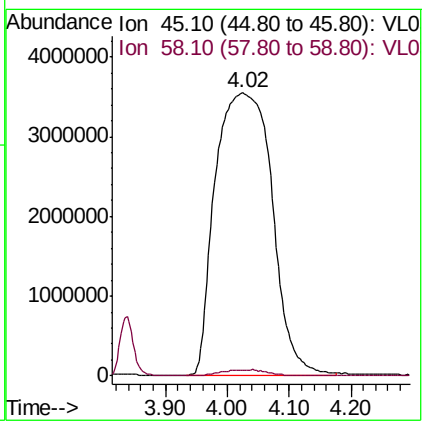


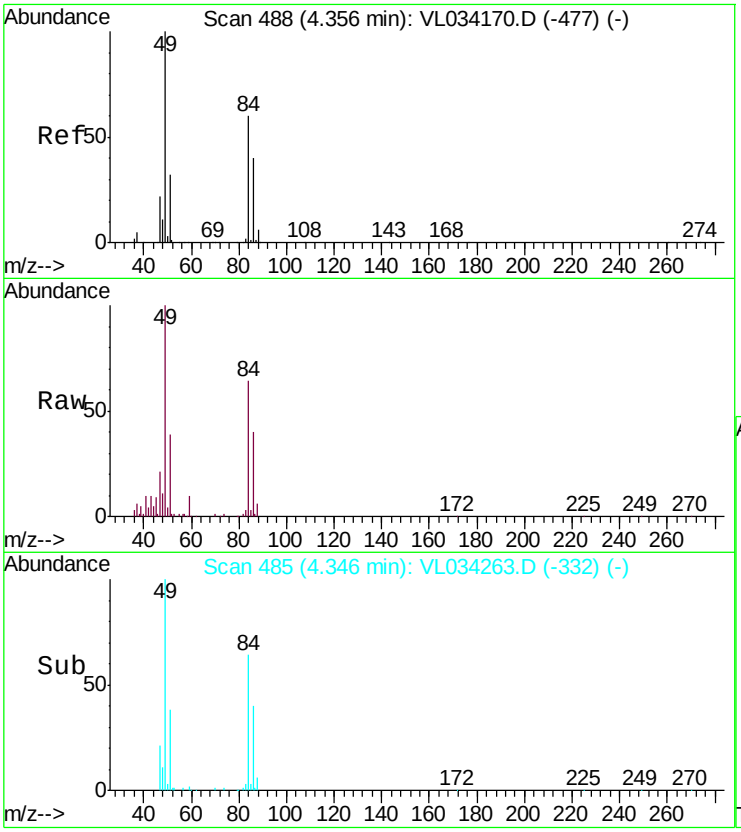


#19
Isopropyl Alcohol
Concen: 263.258 ppbv
RT: 4.02 min Scan# 385
Delta R.T. 0.05 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 45 Resp:22522375

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.0



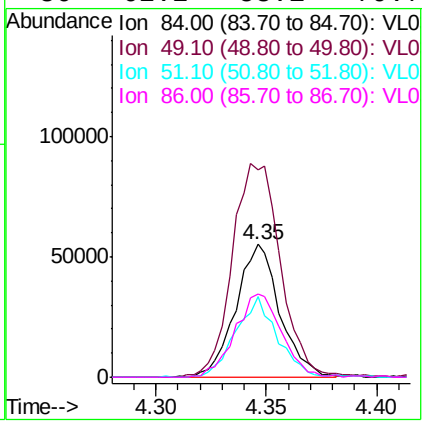


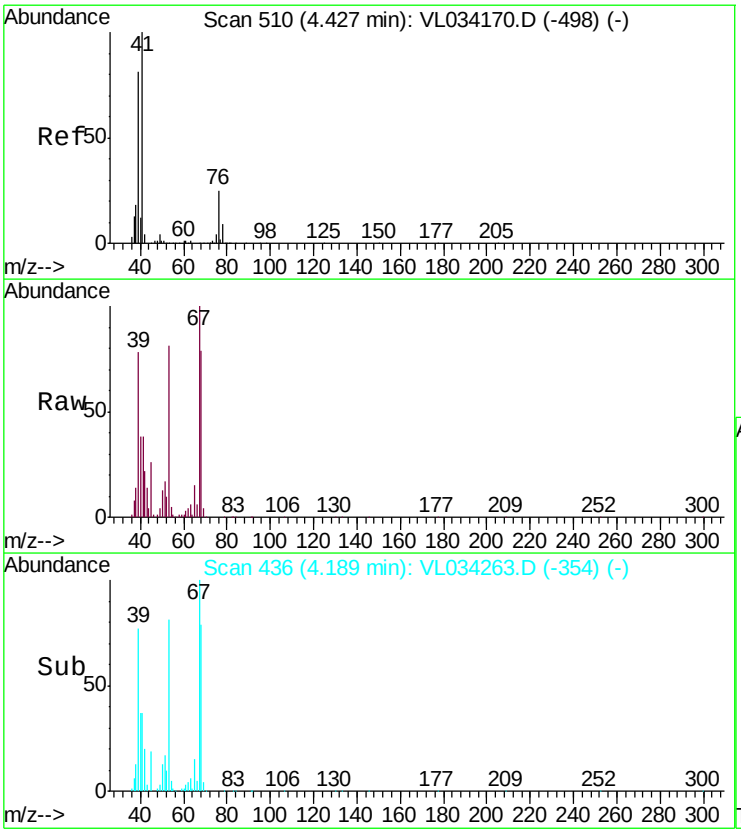
#20
Methylene Chloride
Concen: 1.899 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 84 Resp: 76169

Ion	Ratio	Lower	Upper
84	100		
49	155.6	133.8	200.8
51	60.5	43.6	65.4
86	62.2	53.1	79.7

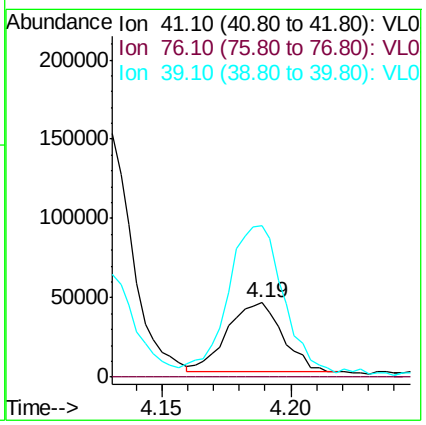


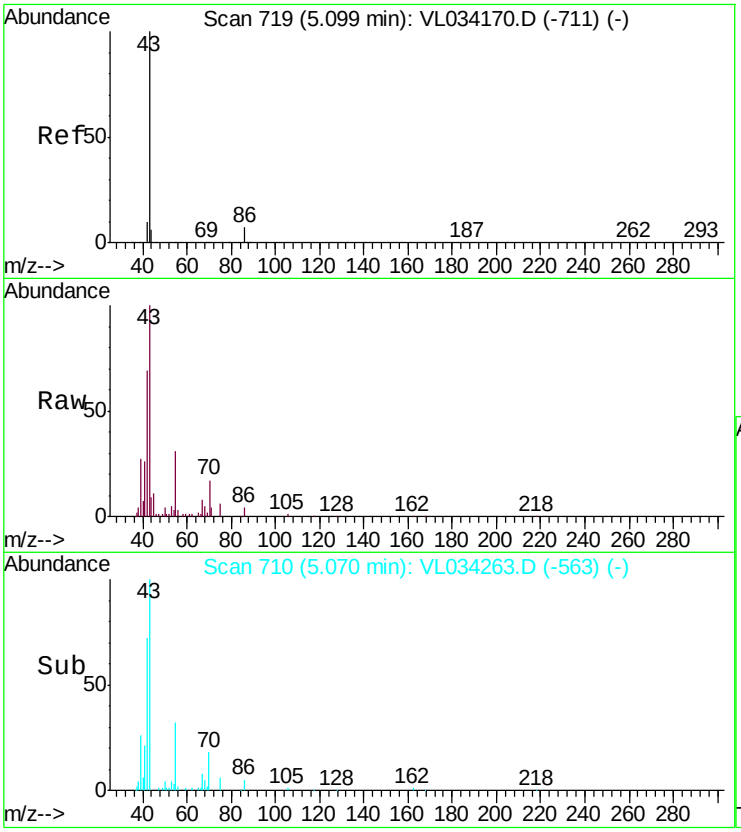


#21
Allyl Chloride
Concen: 0.811 ppbv
RT: 4.19 min Scan# 436
Delta R.T. -0.24 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 41 Resp: 63754

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.8	32.6#
39	231.9	64.8	97.2#



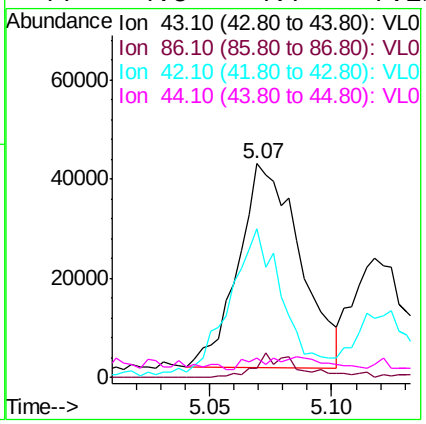


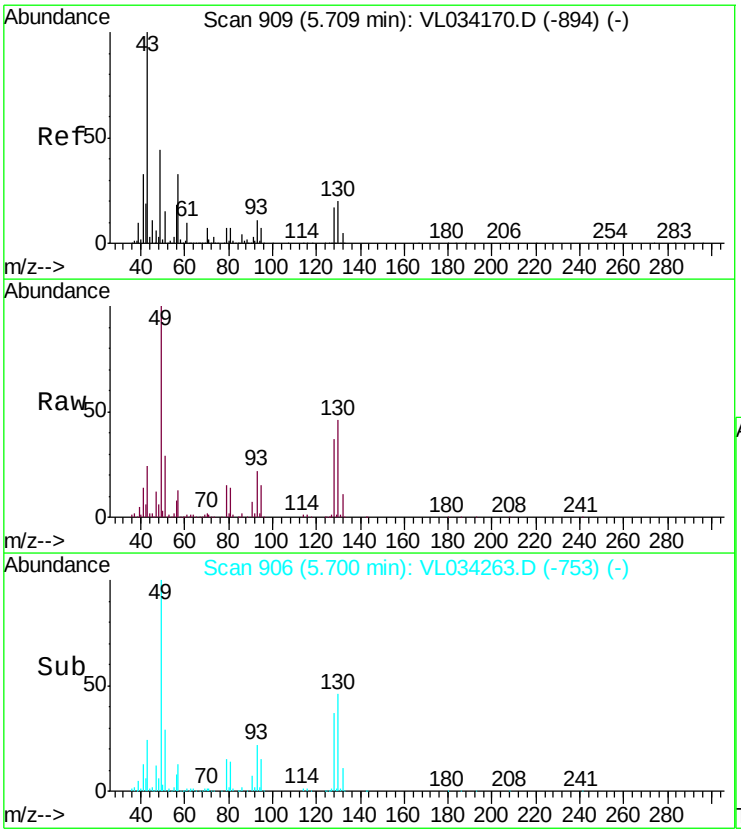
#23
Vinyl Acetate
Concen: 0.351 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.03 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 43 Resp: 72044

Ion	Ratio	Lower	Upper
43	100		
86	4.5	5.1	7.7#
42	70.0	8.6	12.8#
44	4.5	4.7	7.1#

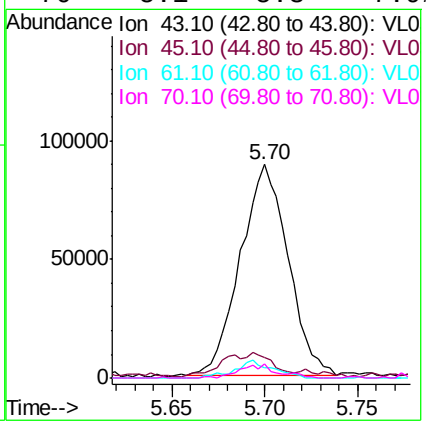


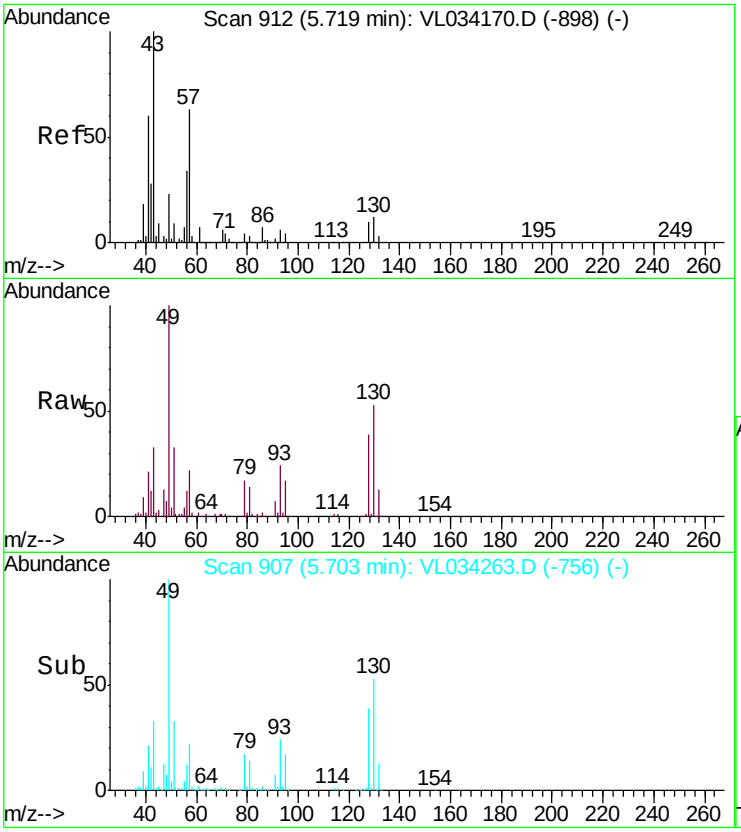


#25
Ethyl Acetate
Concen: 0.611 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 43 Resp: 160802

Ion	Ratio	Lower	Upper
43	100		
45	13.0	8.4	12.6#
61	6.6	7.2	10.8#
70	5.1	5.3	7.9#



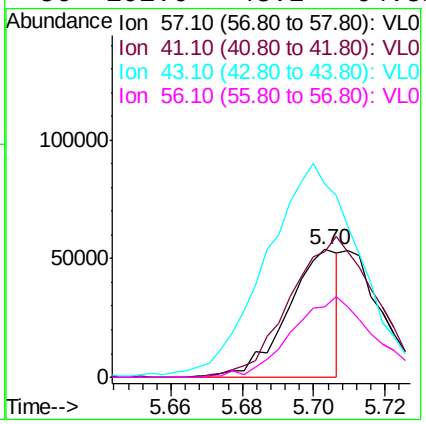


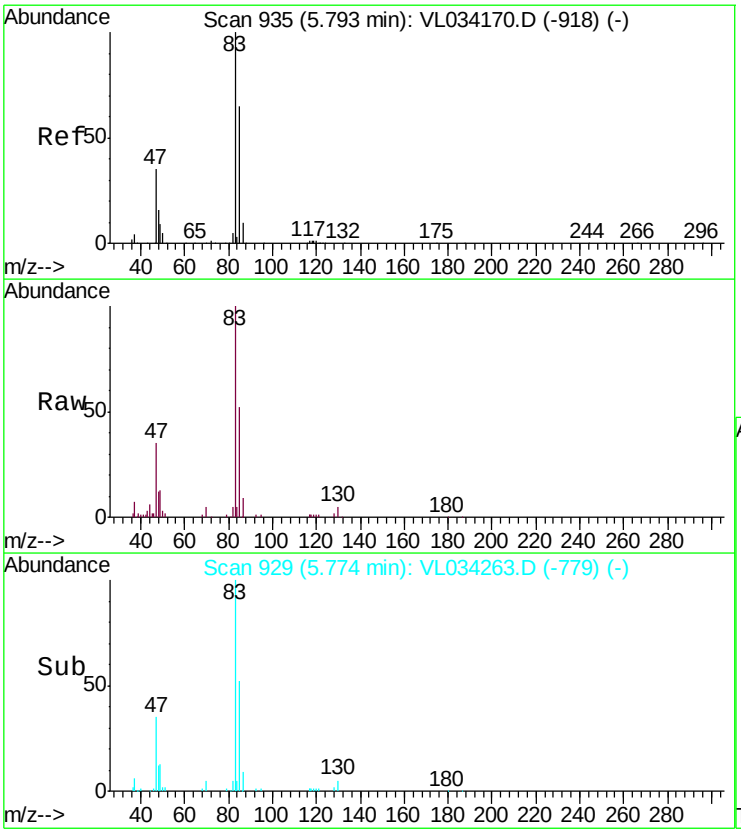
#26
Hexane
Concen: 0.486 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 57 Resp: 53209

Ion	Ratio	Lower	Upper
57	100		
41	192.4	78.5	117.7#
43	319.8	189.5	284.3#
56	101.6	43.2	64.8#

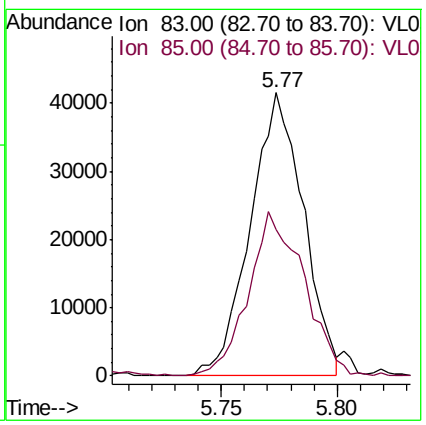


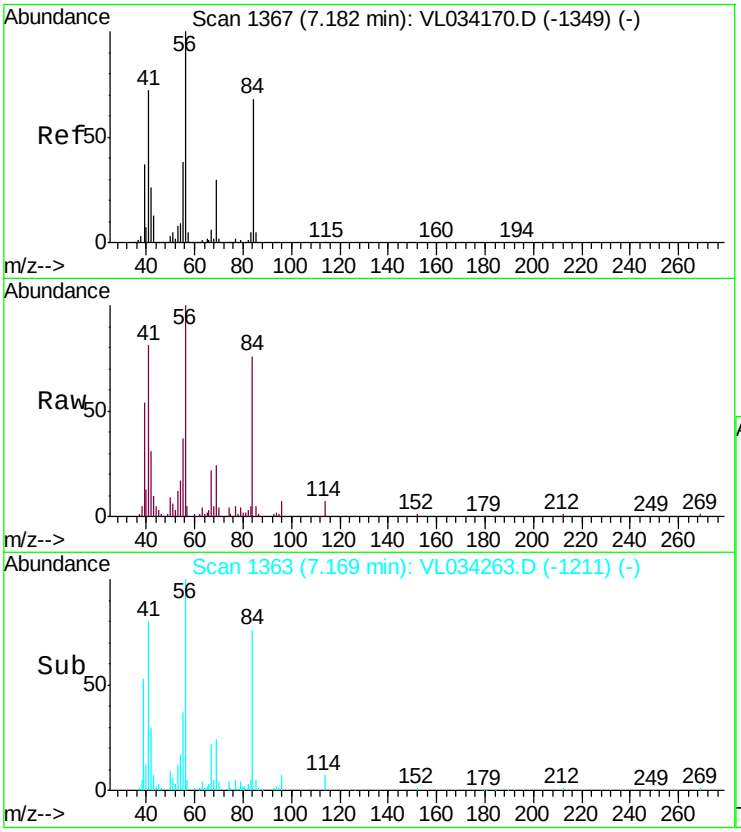


#29
Chloroform
Concen: 0.423 ppbv
RT: 5.77 min Scan# 929
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 83 Resp: 66173

Ion	Ratio	Lower	Upper
83	100		
85	51.6	52.3	78.5#



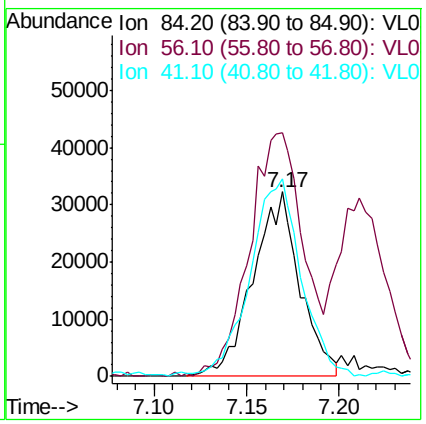


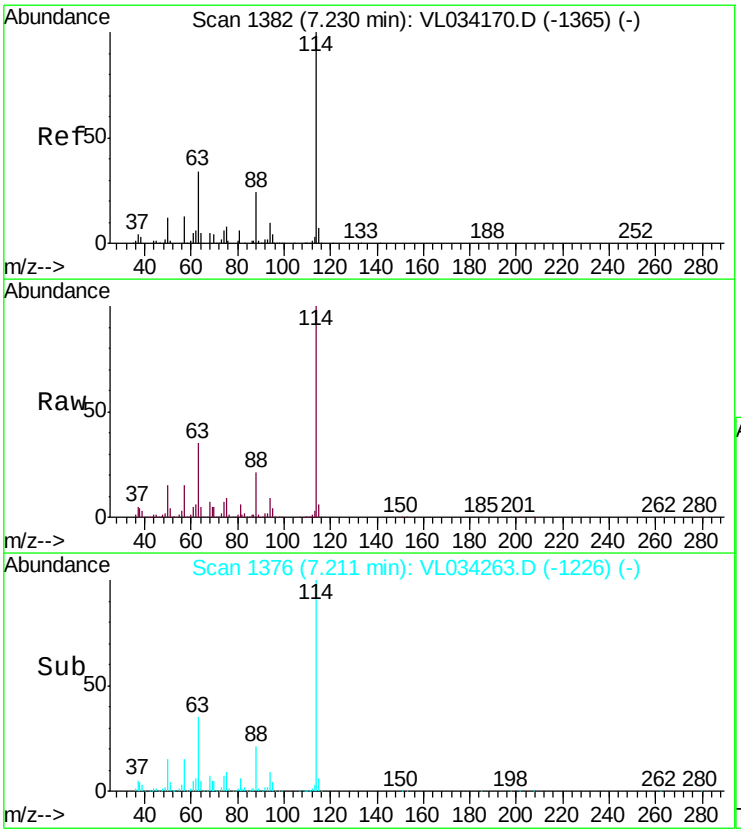
#30
Cyclohexane
Concen: 0.720 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 84 Resp: 56907

Ion	Ratio	Lower	Upper
84	100		
56	148.6	126.2	189.2
41	115.3	85.8	128.8

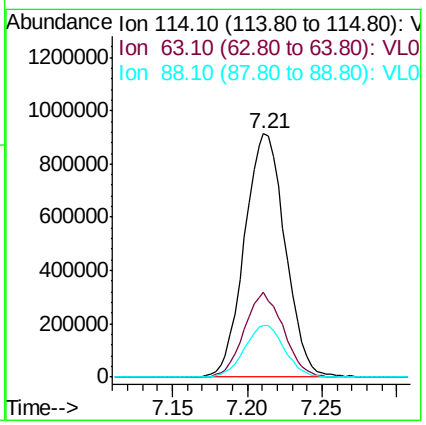


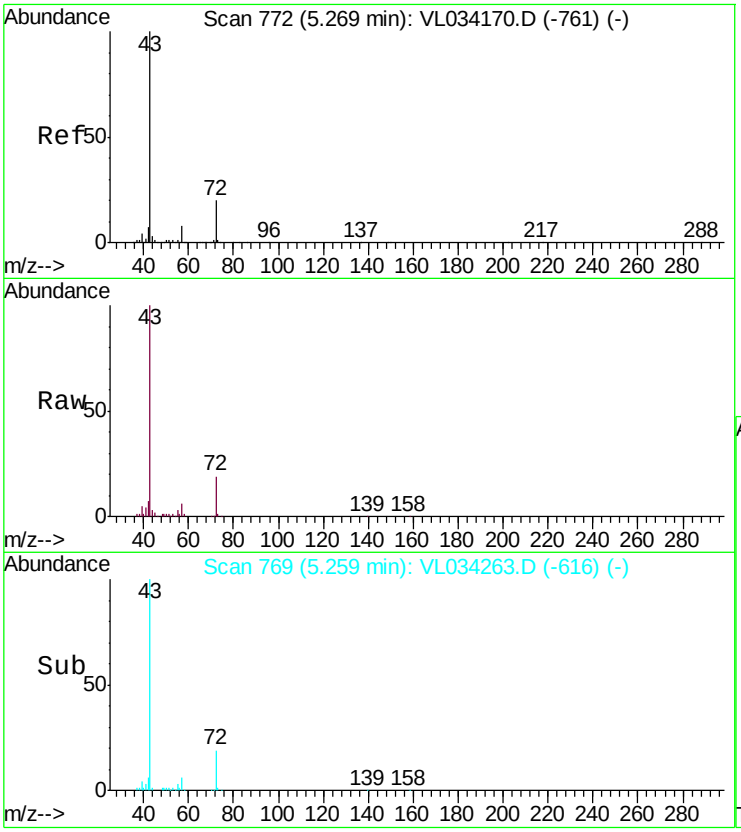


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion:114 Resp: 1726119

Ion	Ratio	Lower	Upper
114	100		
63	33.7	27.8	41.6
88	20.9	17.1	25.7



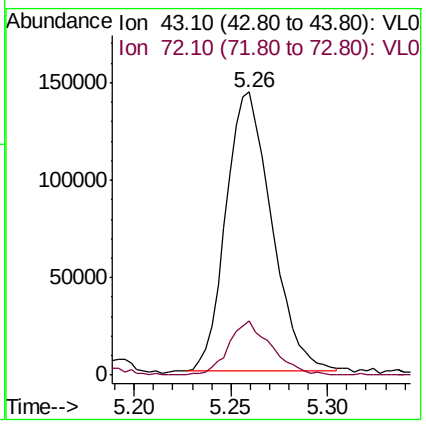


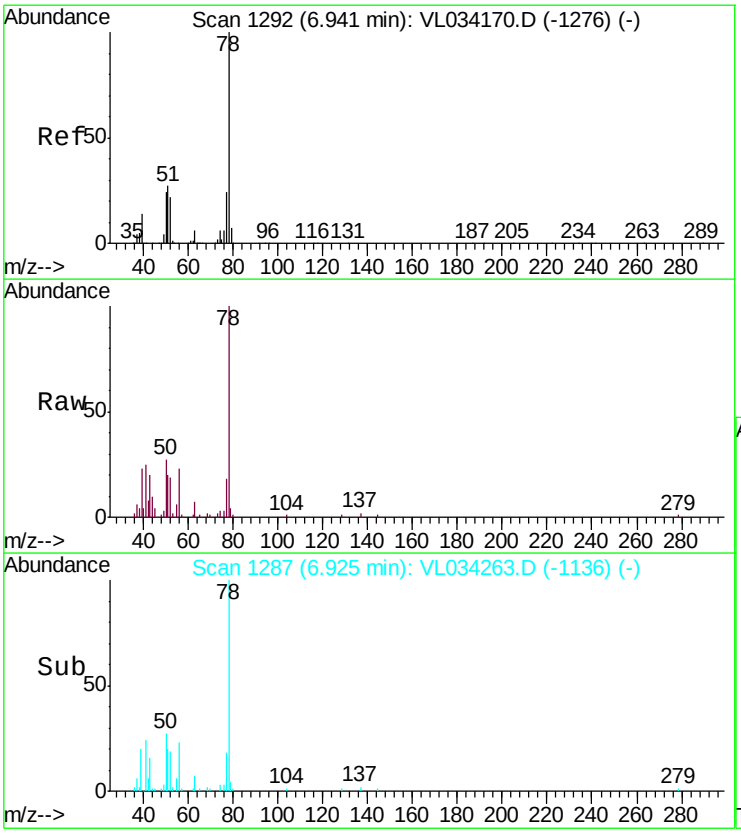
#34
2-Butanone
Concen: 1.327 ppbv
RT: 5.26 min Scan# 769
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 43 Resp: 233838

Ion	Ratio	Lower	Upper
43	100		
72	18.5	15.0	22.6

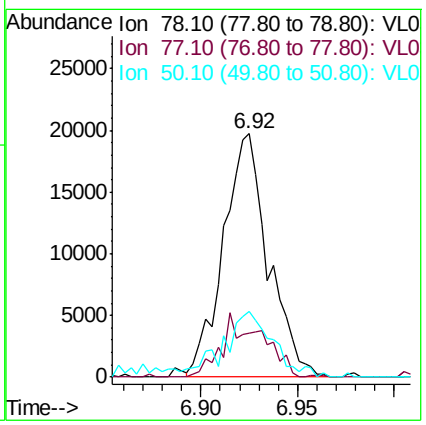


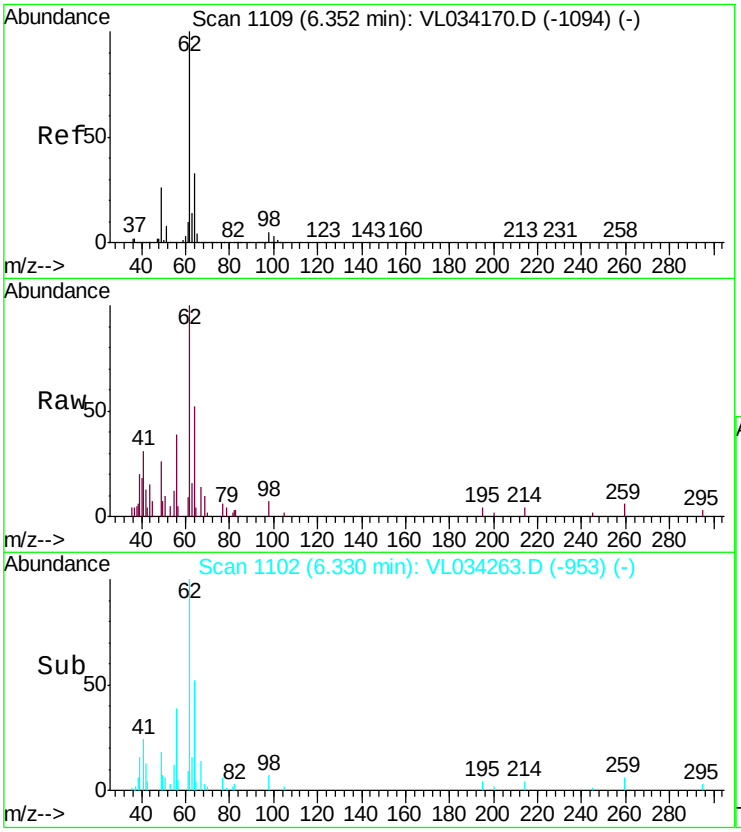


#36
Benzene
Concen: 0.167 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 78 Resp: 31862

Ion	Ratio	Lower	Upper
78	100		
77	18.0	19.0	28.4#
50	26.7	18.9	28.3



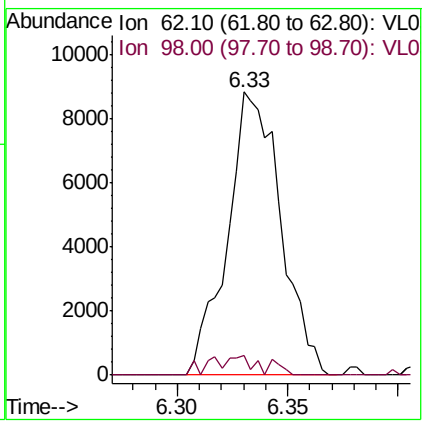


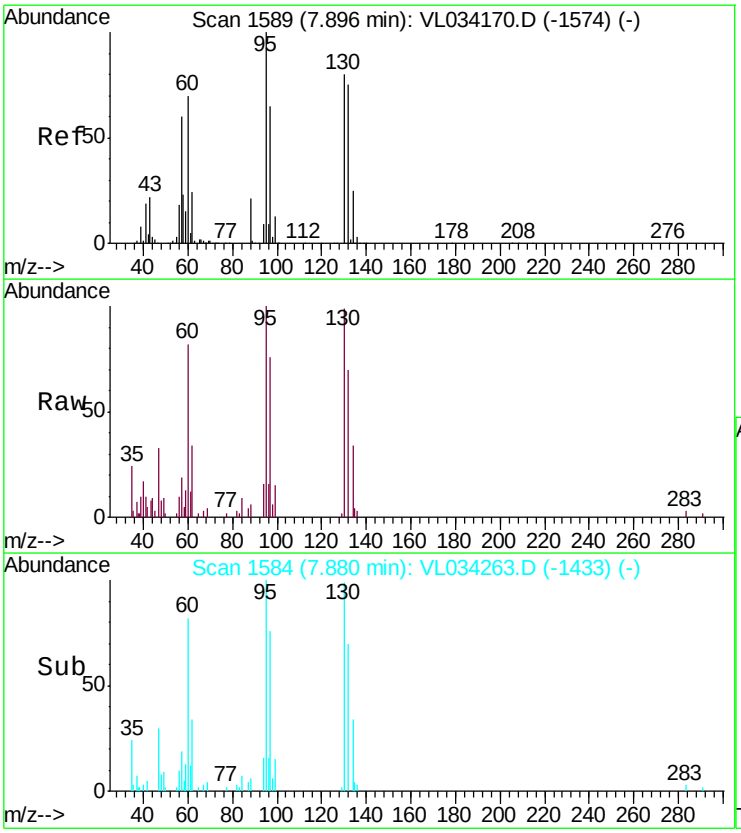
#37
1,2-Dichloroethane
Concen: 0.110 ppbv
RT: 6.33 min Scan# 1102
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 62 Resp: 14850

Ion	Ratio	Lower	Upper
62	100		
98	6.5	3.8	5.8#

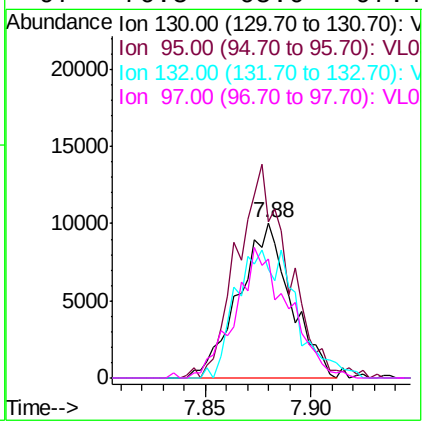


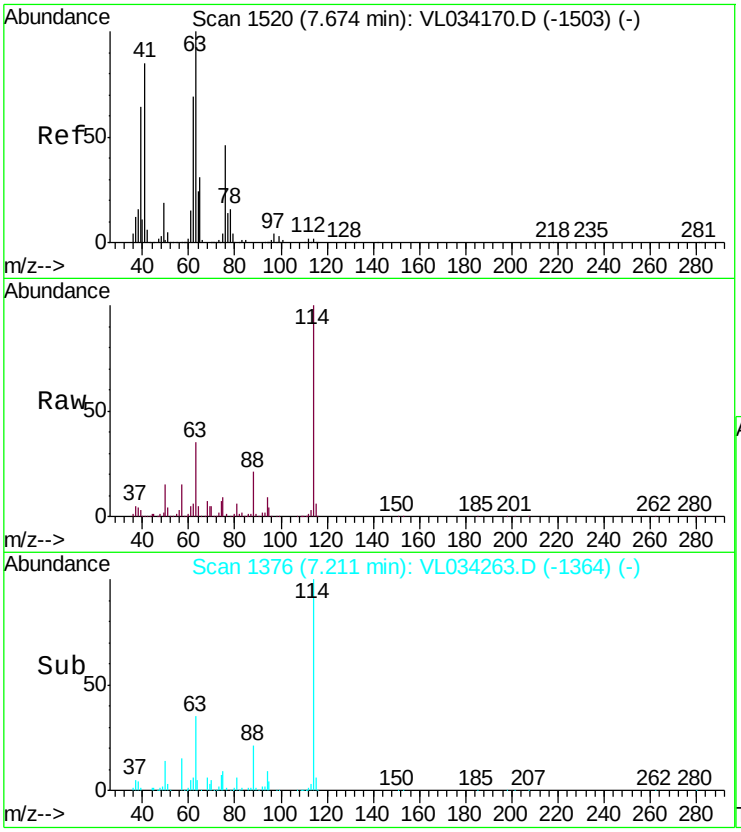


#38
Trichloroethene
Concen: 0.253 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion:130 Resp: 17201

Ion	Ratio	Lower	Upper
130	100		
95	99.1	99.8	149.6#
132	70.0	75.2	112.8#
97	76.5	65.0	97.4



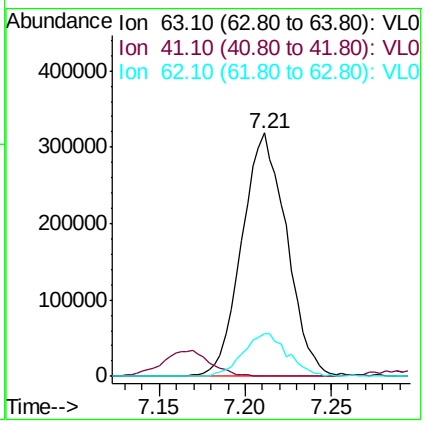


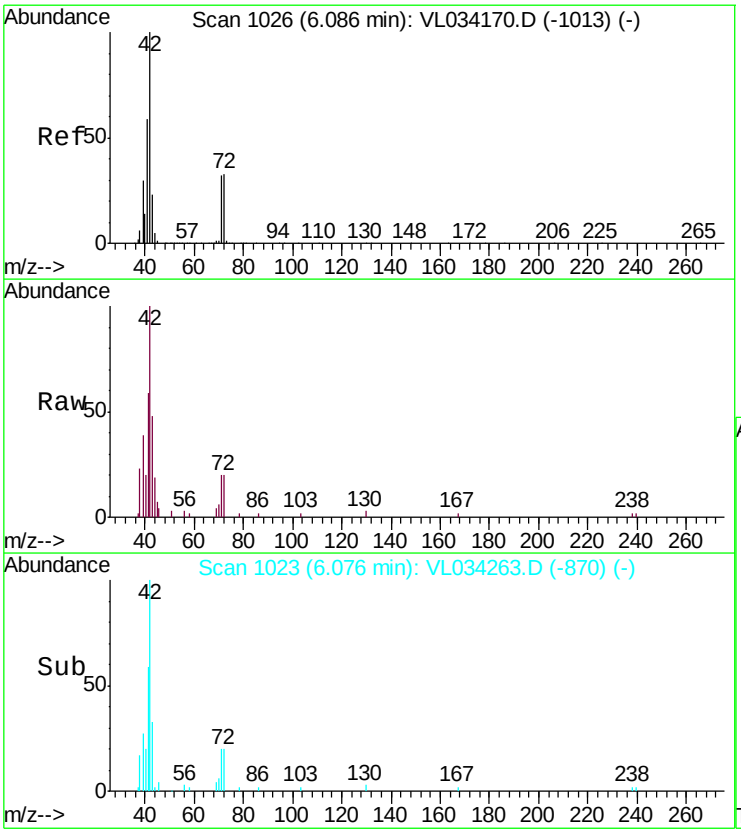
#39
1,2-Dichloropropane
Concen: 6.718 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. -0.46 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 63 Resp: 575430

Ion	Ratio	Lower	Upper
63	100		
41	0.0	68.4	102.6#
62	17.6	55.4	83.2#

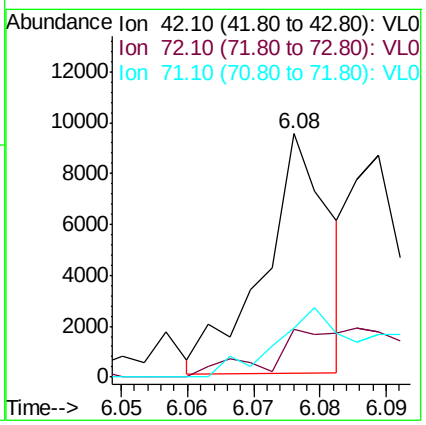


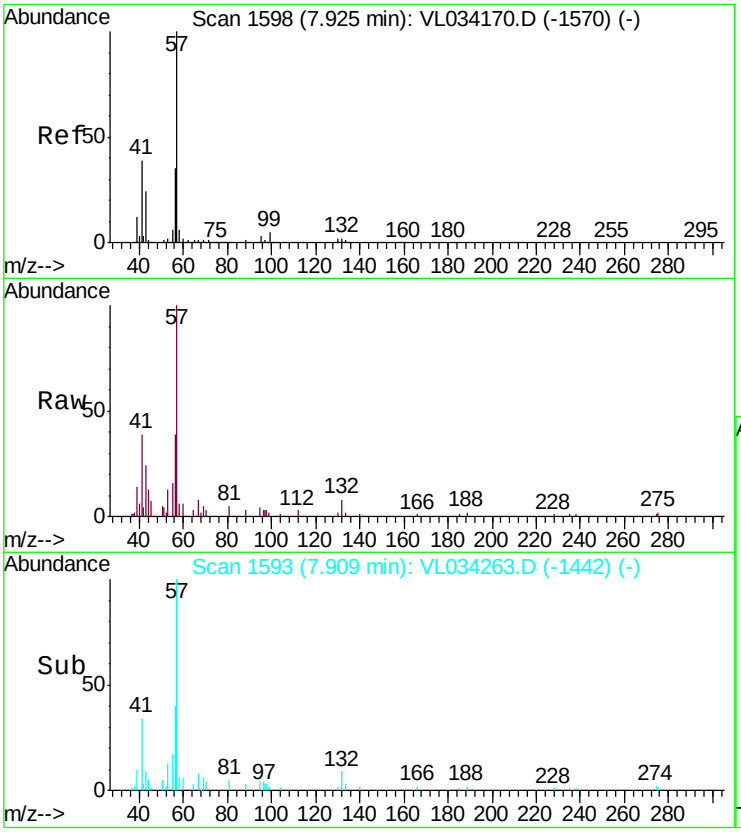


#41
Tetrahydrofuran
Concen: 0.065 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 42 Resp: 6475

Ion	Ratio	Lower	Upper
42	100		
72	0.0	26.6	40.0#
71	54.5	25.1	37.7#



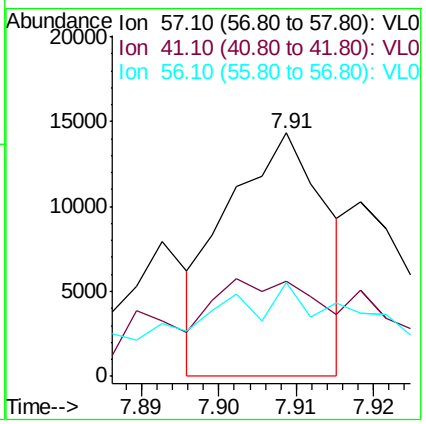


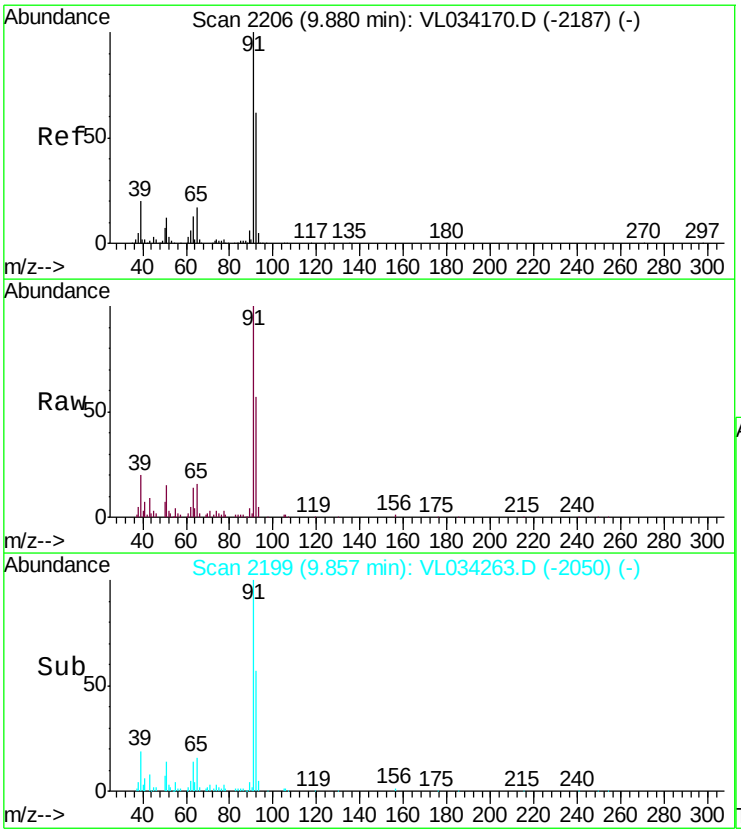
#44
2,2,4-Trimethylpentane
Concen: 0.035 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion: 57 Resp: 12787

Ion	Ratio	Lower	Upper
57	100		
41	97.5	29.8	44.6#
56	89.6	25.9	38.9#

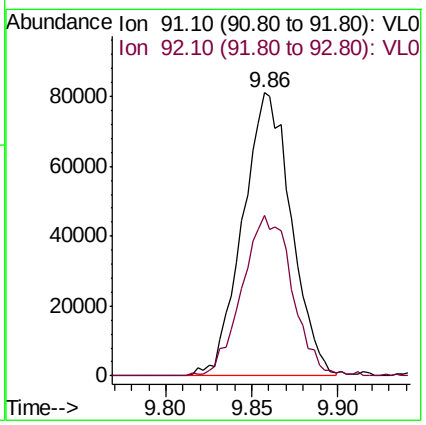


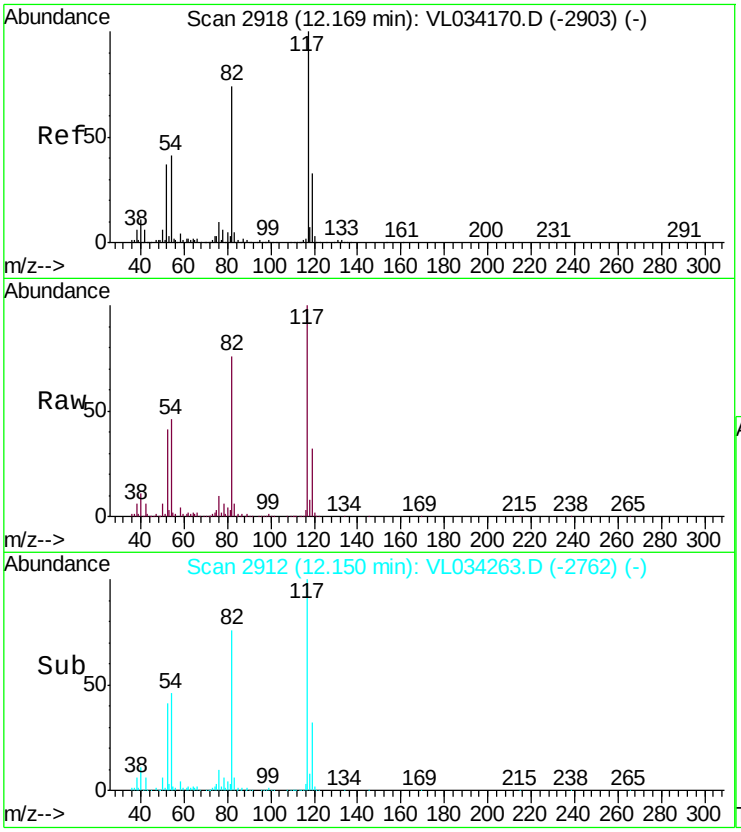


#53
Toluene
Concen: 0.765 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 91 Resp: 159314

Ion	Ratio	Lower	Upper
91	100		
92	58.4	49.0	73.6



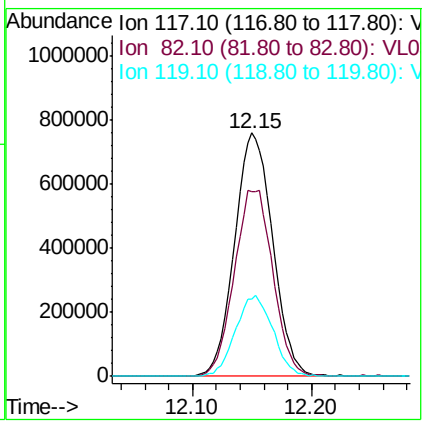


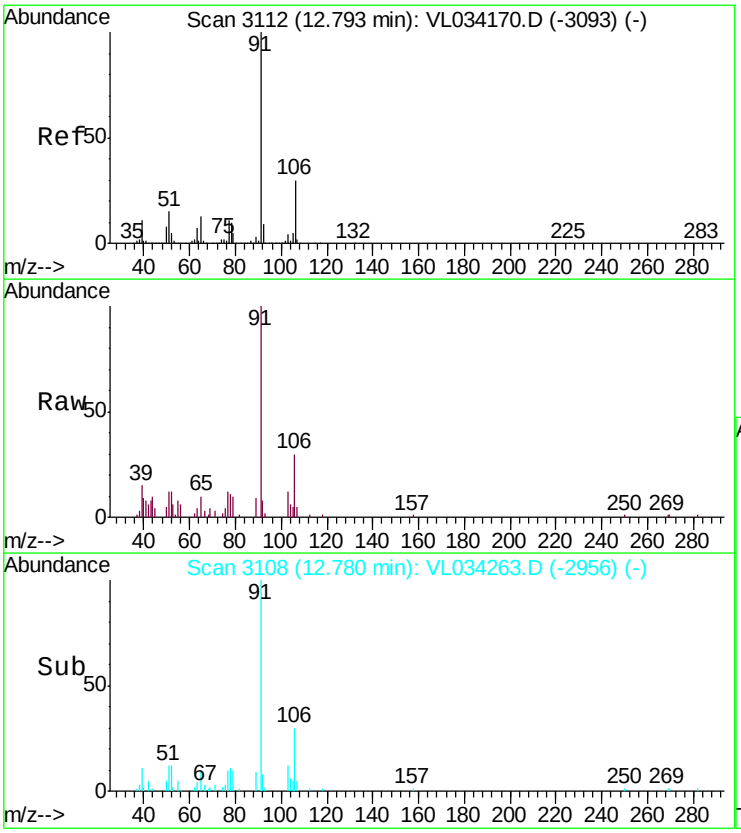
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion:117 Resp: 1678823

Ion	Ratio	Lower	Upper
117	100		
82	77.7	58.2	87.4
119	32.8	23.7	35.5

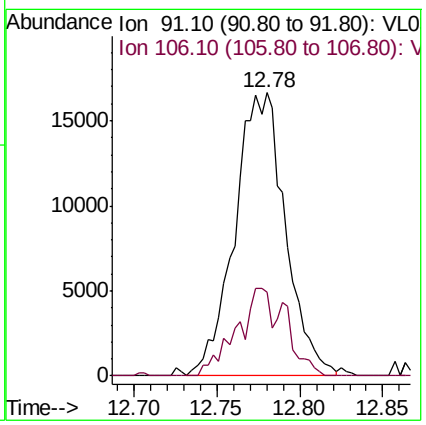


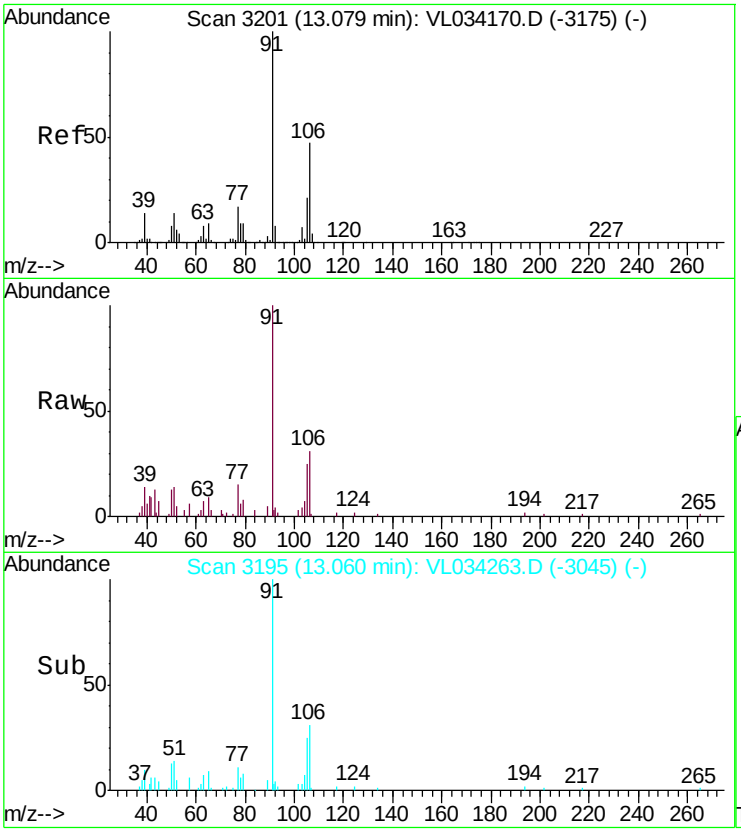


#58
Ethyl Benzene
Concen: 0.131 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. -0.01 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 91 Resp: 35472

Ion	Ratio	Lower	Upper
91	100		
106	34.5	24.2	36.4



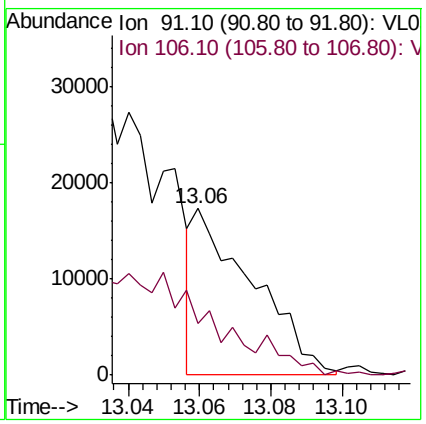


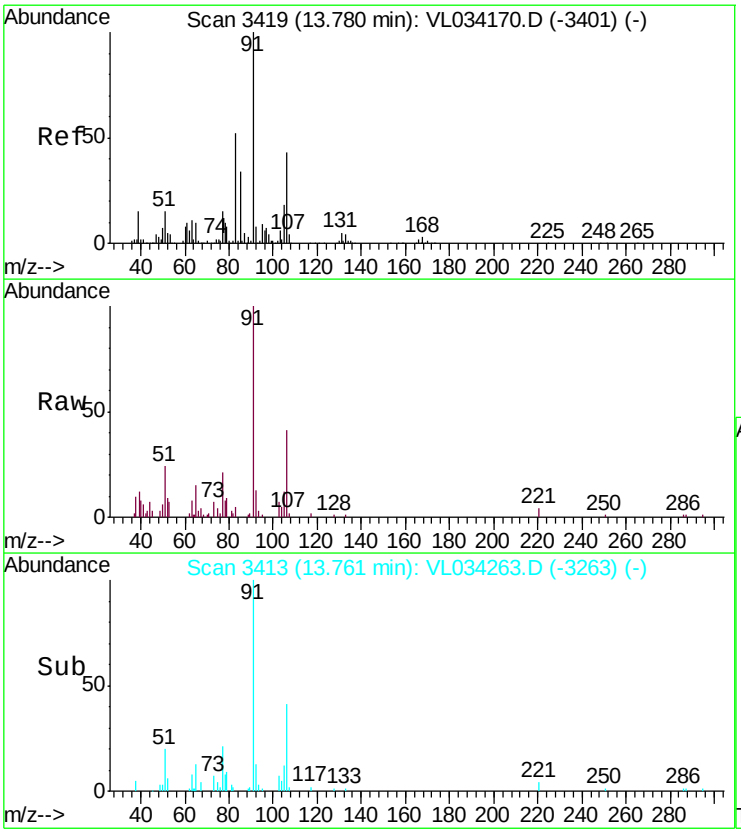
#59
m/p-Xylene
Concen: 0.089 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion: 91 Resp: 19887

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.5	53.3#

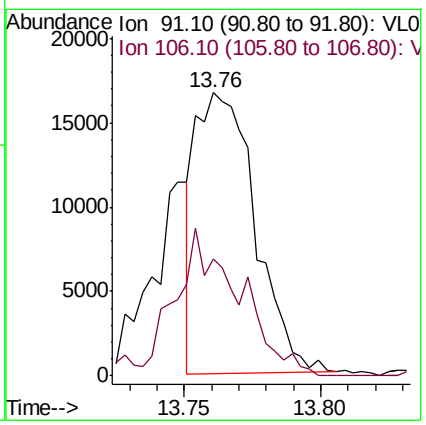


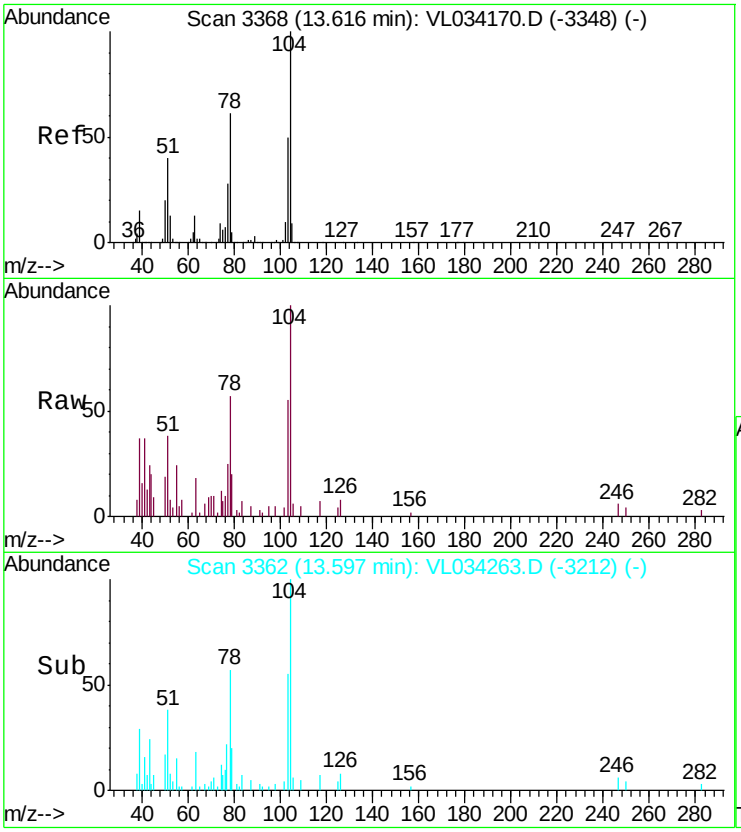


#60
o-Xylene
Concen: 0.112 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 91 Resp: 25069

Ion	Ratio	Lower	Upper
91	100		
106	59.0	21.2	63.6



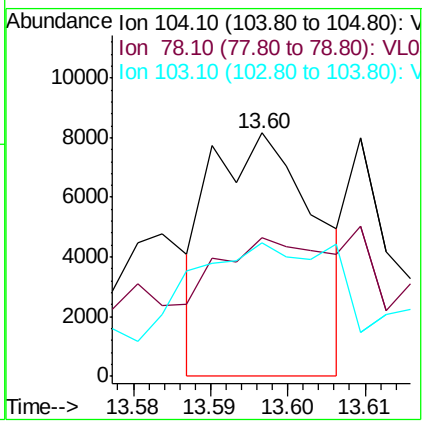


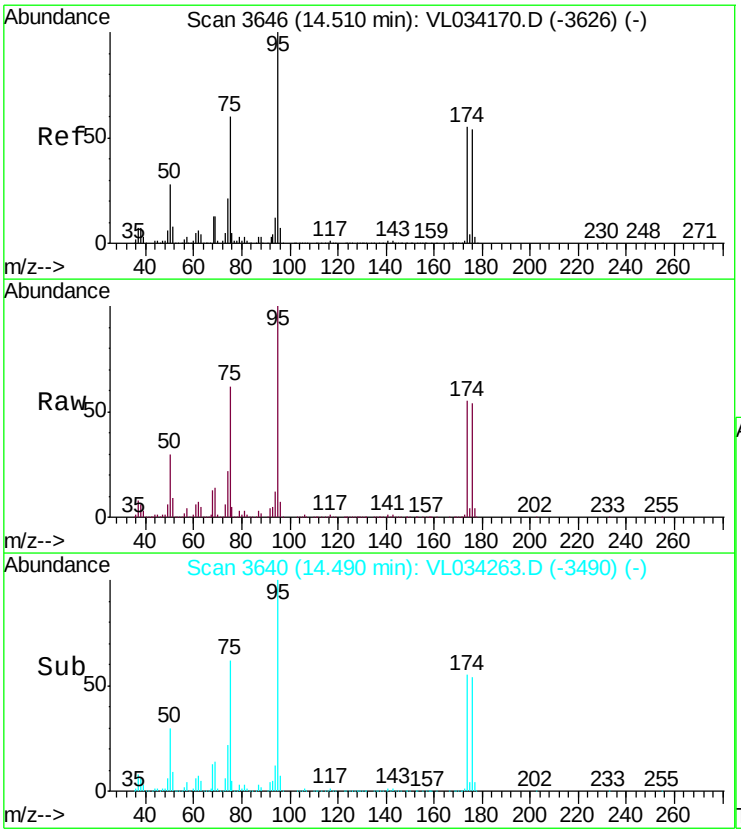
#61
Styrene
Concen: 0.048 ppbv
RT: 13.60 min Scan# 3362
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion:104 Resp: 7680

Ion	Ratio	Lower	Upper
104	100		
78	0.0	49.7	74.5#
103	118.1	38.4	57.6#

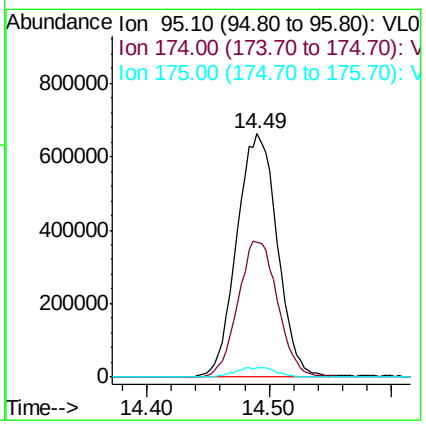


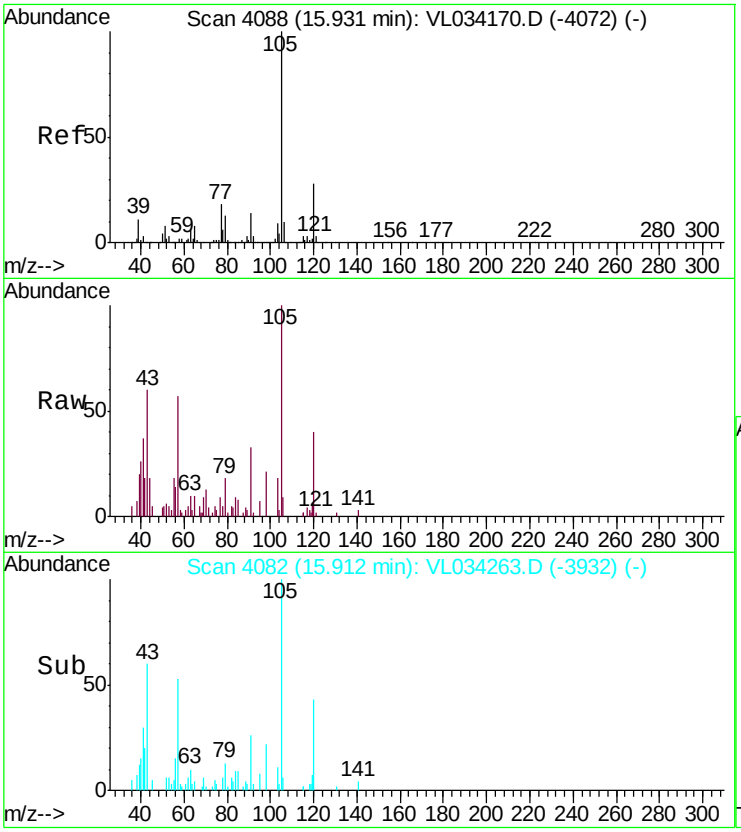


#68
1-Bromo-4-Fluorobenzene
Concen: 10.419 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion: 95 Resp: 1519861

Ion	Ratio	Lower	Upper
95	100		
174	54.8	45.1	67.7
175	3.9	3.3	4.9



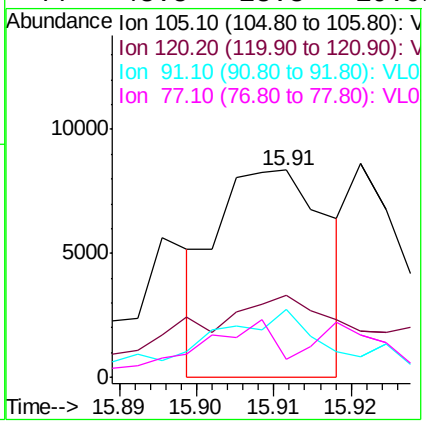


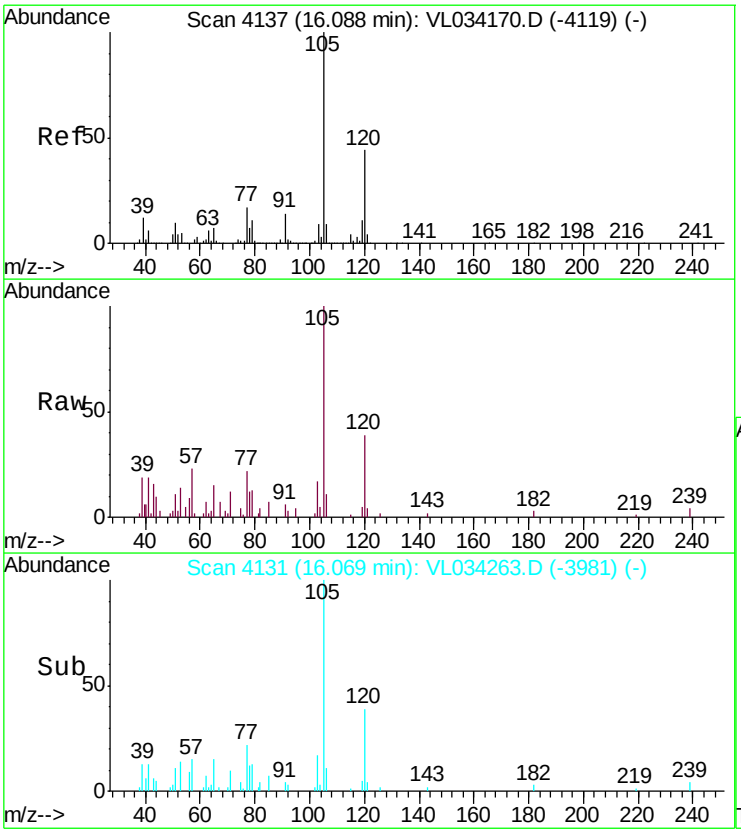
#72
4-Ethyltoluene
Concen: 0.033 ppbv
RT: 15.91 min Scan# 4082
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument : MSVOA_L
ClientSampleId : IA3

Tgt Ion:105 Resp: 8310

Ion	Ratio	Lower	Upper
105	100		
120	77.4	23.3	34.9#
91	56.2	11.4	17.2#
77	48.5	13.3	19.9#

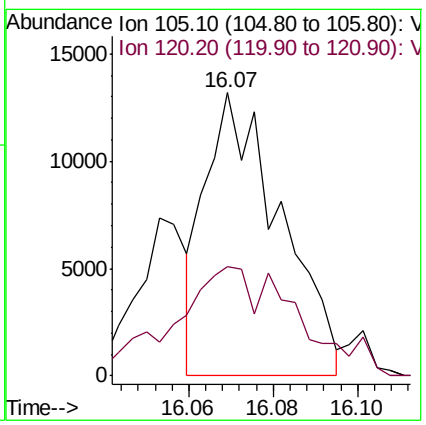


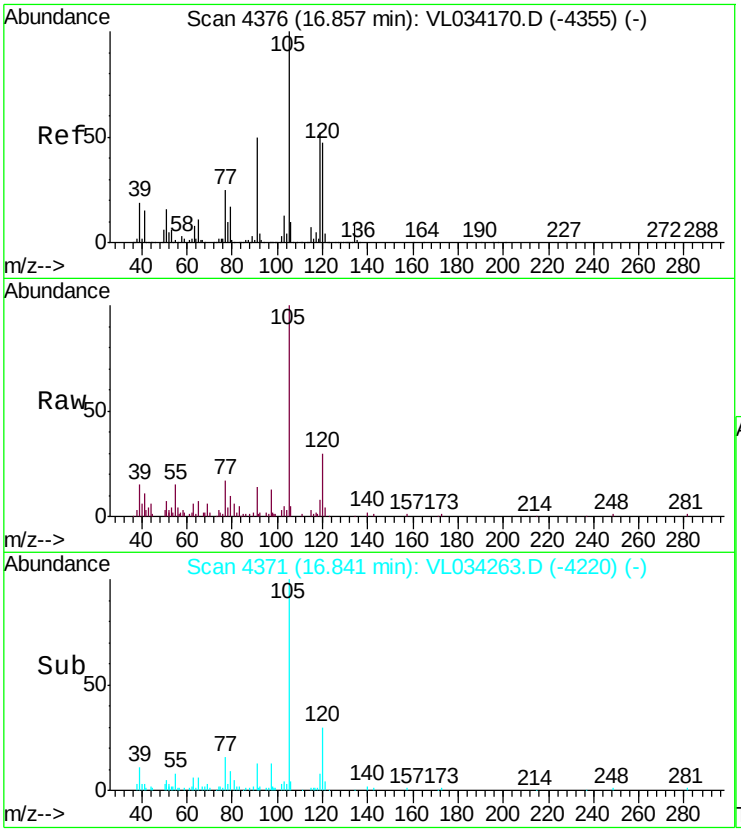


#73
1,3,5-Trimethylbenzene
Concen: 0.066 ppbv
RT: 16.07 min Scan# 4131
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion:105 Resp: 16267

Ion	Ratio	Lower	Upper
105	100		
120	29.9	35.6	53.4#



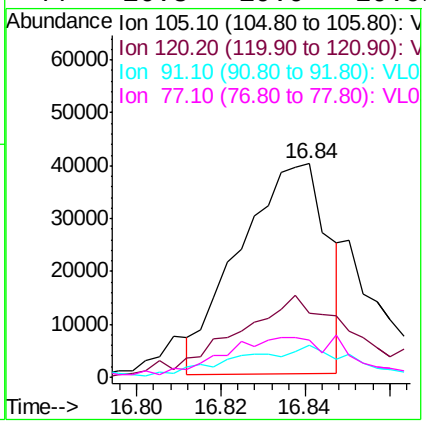


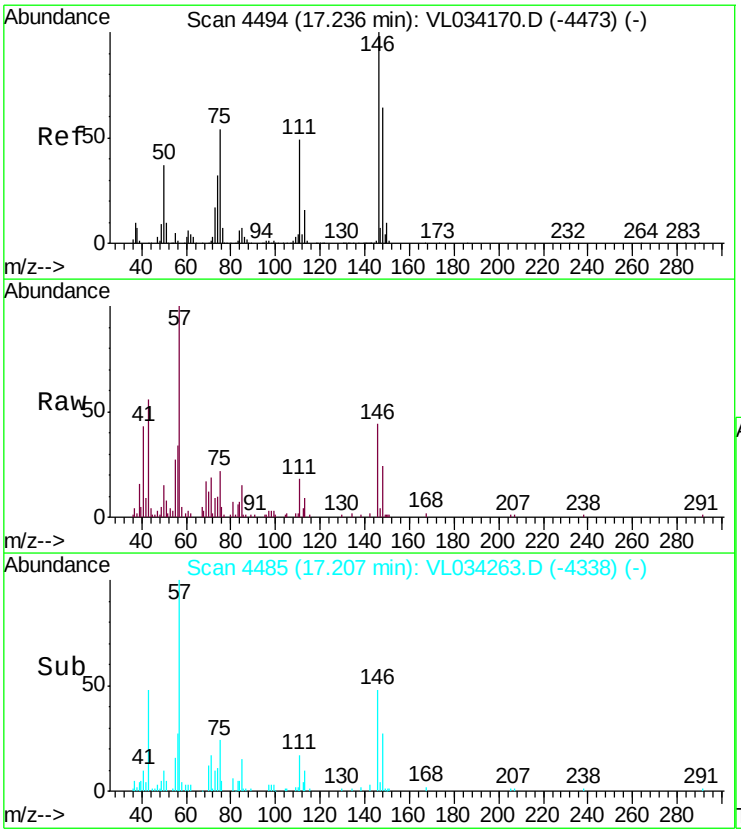
#74
1,2,4-Trimethylbenzene
Concen: 0.220 ppbv
RT: 16.84 min Scan# 4371
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion:105 Resp: 57223

Ion	Ratio	Lower	Upper
105	100		
120	25.4	37.5	56.3#
91	12.3	41.1	61.7#
77	16.8	19.9	29.9#

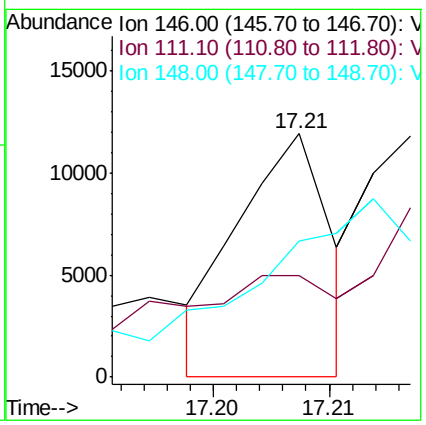


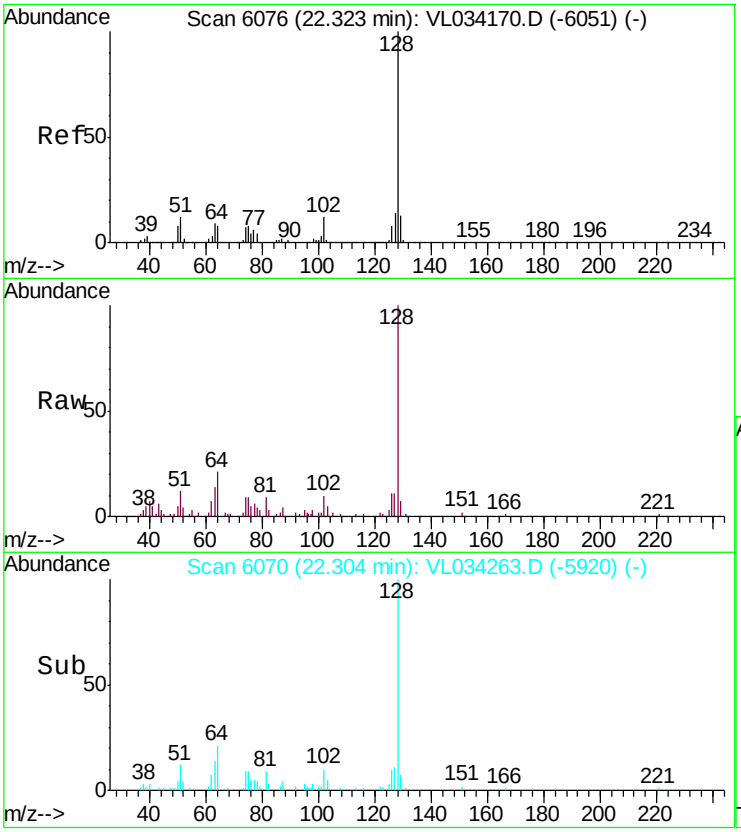


#76
1,4-Dichlorobenzene
Concen: 0.046 ppbv
RT: 17.21 min Scan# 4485
Delta R.T. -0.03 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Tgt Ion:146 Resp: 6604

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.6	74.0#
148	0.0	32.4	97.0#





#79
Naphthalene
Concen: 0.170 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. -0.02 min
Lab File: VL034263.D
Acq: 9 Oct 2019 00:32

Instrument :
MSVOA_L
ClientSampleId :
IA3

Tgt Ion:128 Resp: 38905

Ion	Ratio	Lower	Upper
128	100		
127	10.4	11.1	16.7#
129	7.0	10.2	15.4#