Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\

Quantitation Report (Not Reviewed)

Data File : VL034604.D
Acq On : 6 Feb 2020 18:11
Operator : SY/AP
Sample : L1435-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Feb 07 07:37:41 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	5.69	49	902759	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.21	114	1877413	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.15	117	1824013	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1590637	10.32	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	100690	0.506	ppbv		100
3) Chlorodifluoromethane	2.87	51	26720	0.245	ppbv		96
4) Chloromethane	3.12	50	17229	0.258	ppbv		93
9) Propene	3.19	41	120859	2.846	ppbv		90
10) Heptane	8.17	43	4683	0.044	ppbv	#	1
11) Trichlorofluoromethane	3.95	101	45306	0.251	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	4369	0.037	ppbv	#	1
13) Ethanol	3.60	45	241915	21.265	ppbv		99
15) Acetone	3.84	43	717516	5.408	ppbv		97
16) 1,3-Butadiene	3.29	39	7903	0.150	ppbv	#	63
19) Isopropyl Alcohol	3.97	45	199556	2.577	ppbv	#	94
20) Methylene Chloride	4.35	84	152570	3.020	ppbv		95
23) Vinyl Acetate	5.08	43	11249	0.074	ppbv	#	26
25) Ethyl Acetate	5.70	43	93813	0.437	ppbv	#	83
26) Hexane	5.71	57	117201	1.303	ppbv	#	40
29) Chloroform	5.77	83	10236	0.064	ppbv		97
30) Cyclohexane	7.17	84	2496	0.037	ppbv	#	1
34) 2-Butanone	5.26	43	5811	0.043	ppbv	#	54
35) Carbon Tetrachloride	7.05	117	11258	0.063	ppbv	#	93
36) Benzene	6.93	78	60676	0.363	ppbv	#	90
39) 1,2-Dichloropropane	7.21	63	540347	7.807	ppbv	#	20
44) 2,2,4-Trimethylpentane	7.90	57	15371	0.051	ppbv	#	41
52) Tetrachloroethene	11.29	164	15148	0.226	ppbv	#	75
53) Toluene	9.86	91	373158	2.035	ppbv		99
58) Ethyl Benzene	13.07	91	16638	0.068	ppbv		94
59) m/p-Xylene	13.07	91	16638	0.077	ppbv	#	32
60) o-Xylene	13.77	91	6733	0.031	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.84	105	11631	0.045	ppbv	#	75

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

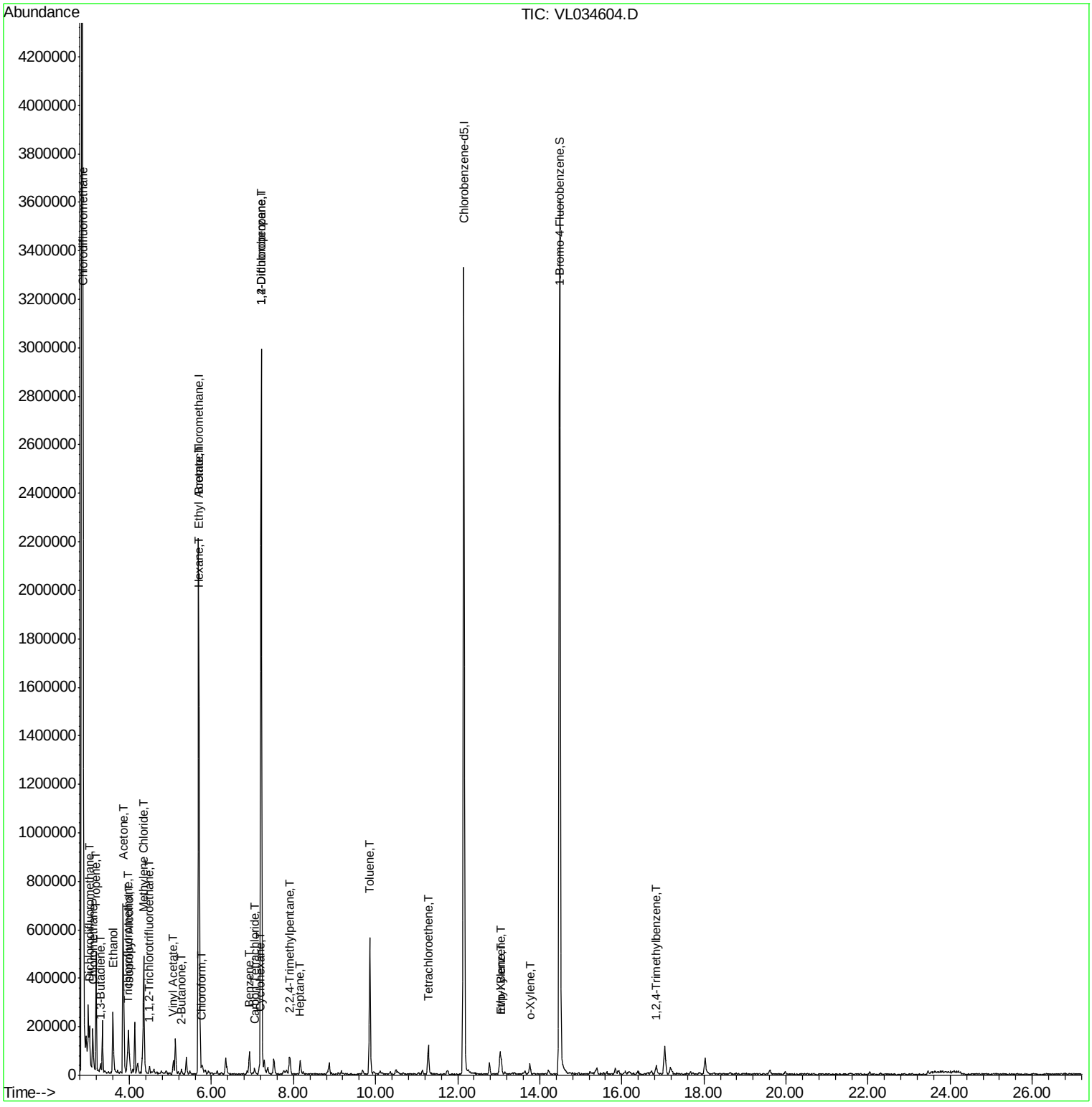
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020620\

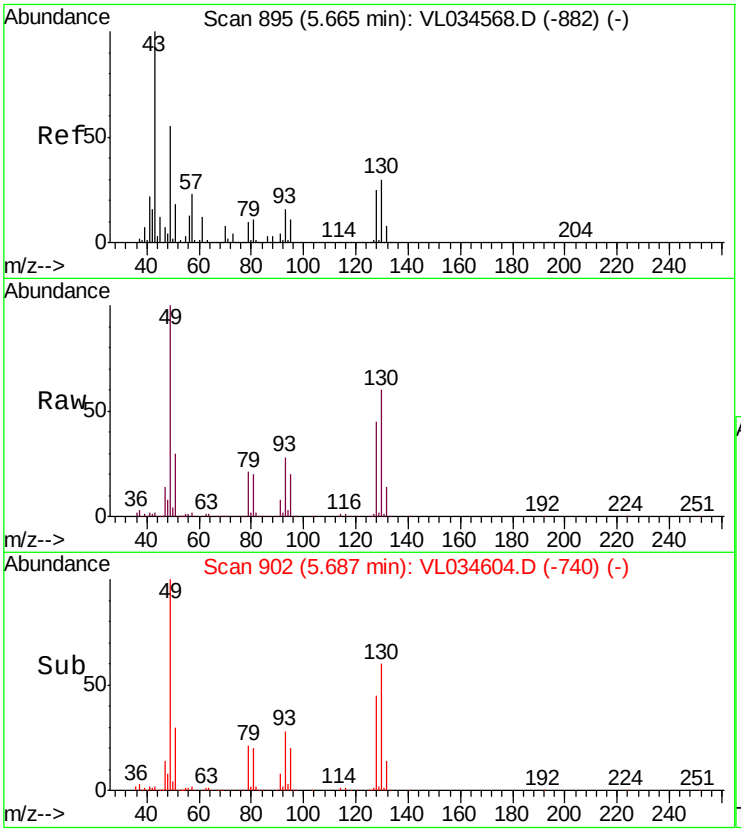
Quantitation Report (Not Reviewed)

Data File : VL034604.D
Acq On : 6 Feb 2020 18:11
Operator : SY/AP
Sample : L1435-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Feb 07 07:37:41 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



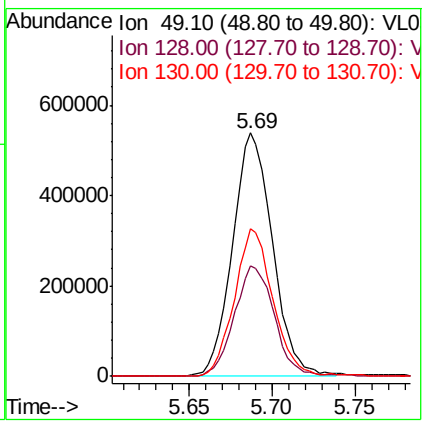


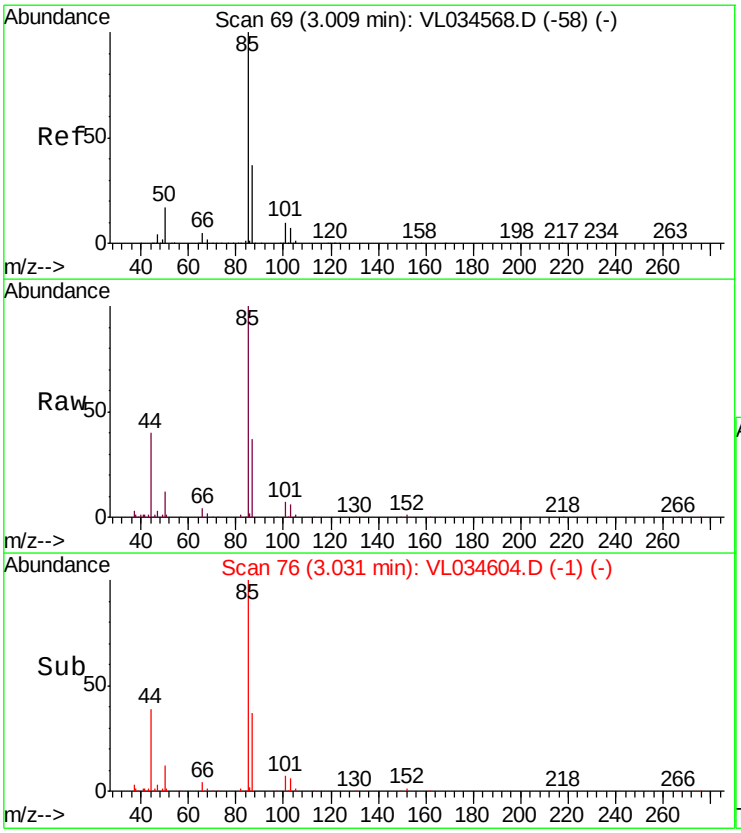
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 902759

Ion	Ratio	Lower	Upper
49	100		
128	45.9	22.7	68.1
130	59.1	28.6	85.8

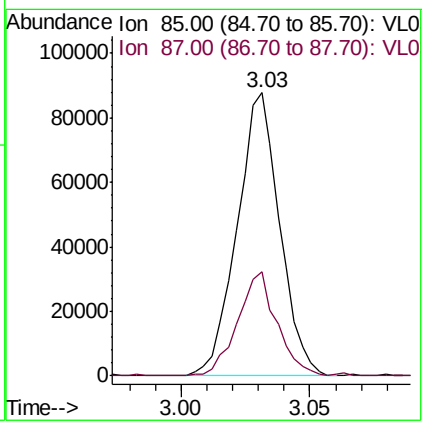


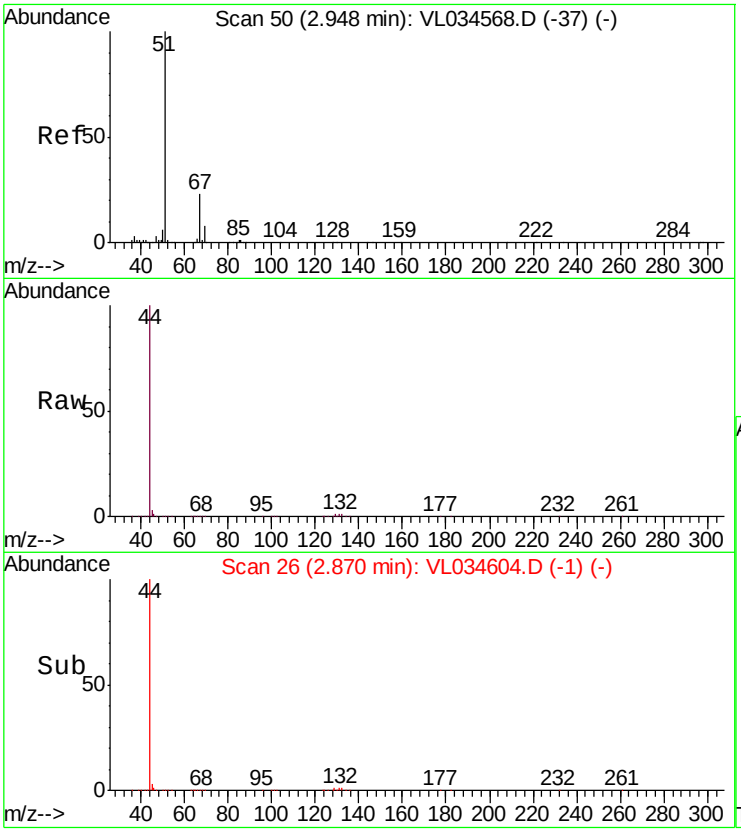


#2
Dichlorodifluoromethane
Concen: 0.506 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.02 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 85 Resp: 100690

Ion	Ratio	Lower	Upper
85	100		
87	36.6	29.5	44.3



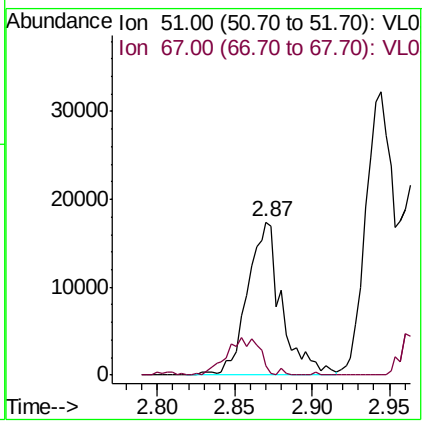


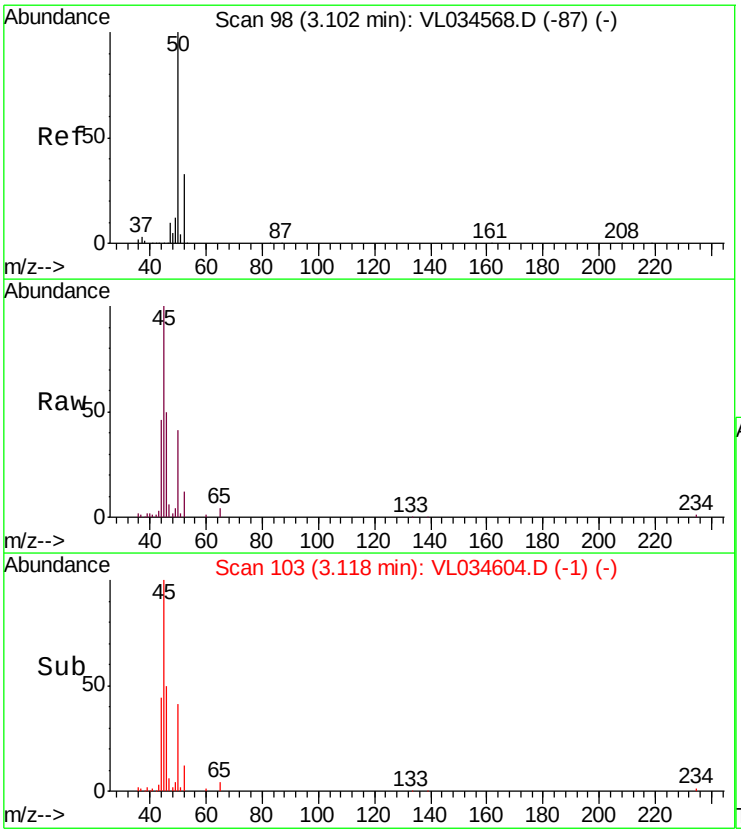
#3
Chlorodifluoromethane
Concen: 0.245 ppbv
RT: 2.87 min Scan# 26
Delta R.T. -0.08 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 51 Resp: 26720

Ion	Ratio	Lower	Upper
51	100		
67	24.4	17.8	26.8

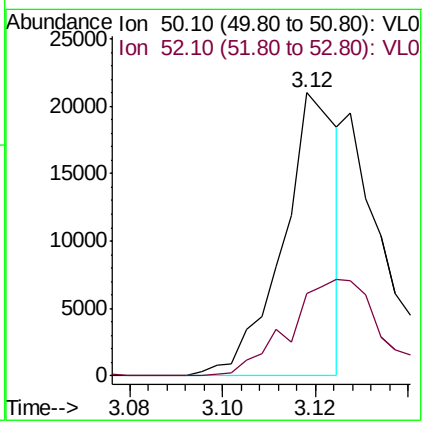


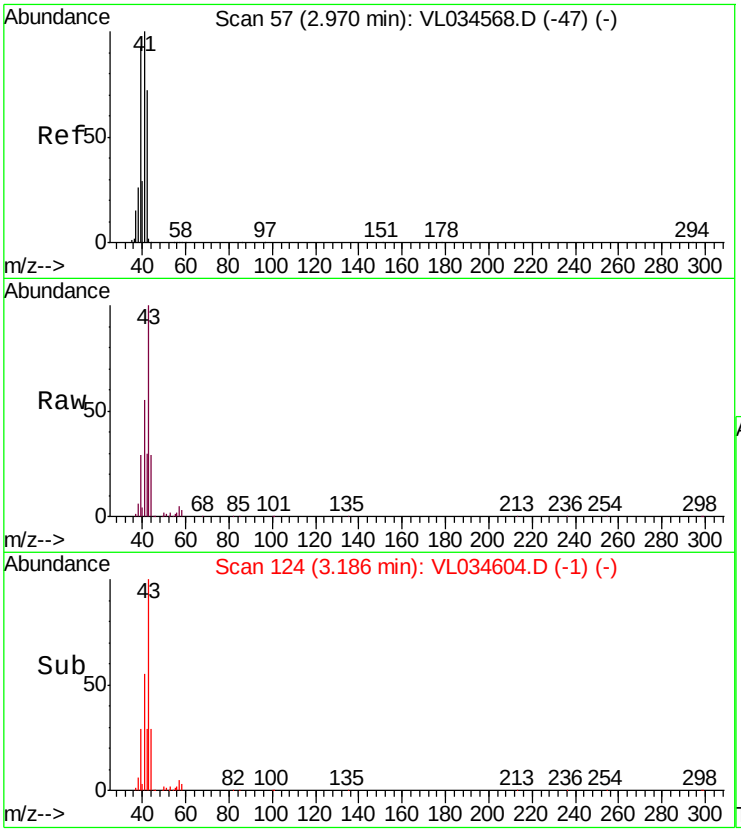


#4
Chloromethane
Concen: 0.258 ppbv
RT: 3.12 min Scan# 103
Delta R.T. 0.02 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 50 Resp: 17229

Ion	Ratio	Lower	Upper
50	100		
52	29.0	26.6	39.8



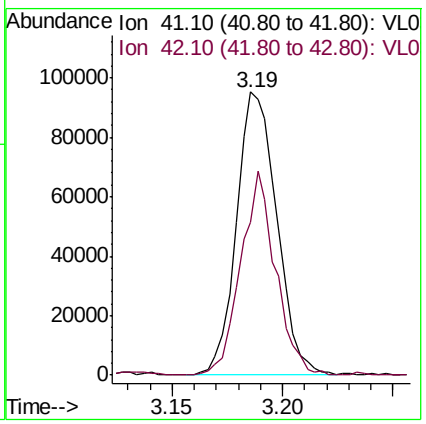


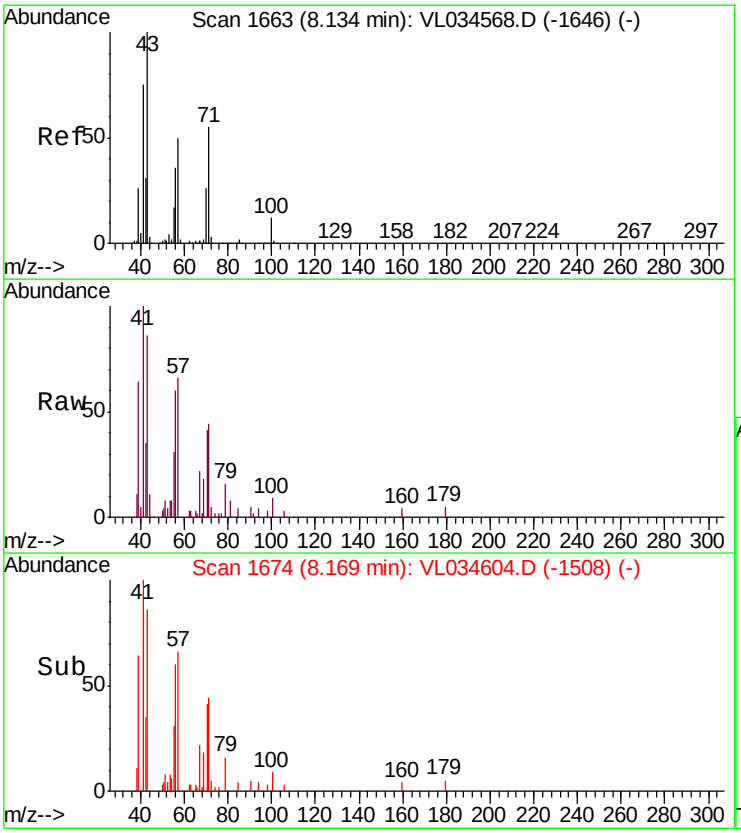
#9
Propene
Concen: 2.846 ppbv
RT: 3.19 min Scan# 124
Delta R.T. 0.22 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 41 Resp: 120859

Ion	Ratio	Lower	Upper
41	100		
42	63.2	57.0	85.4

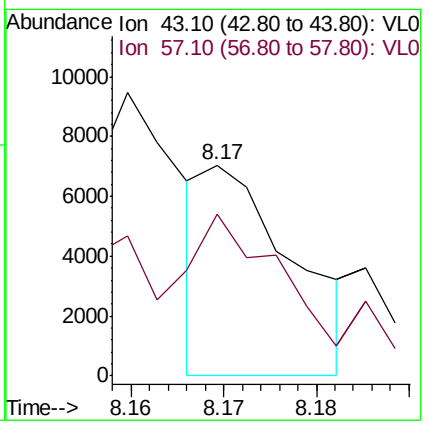


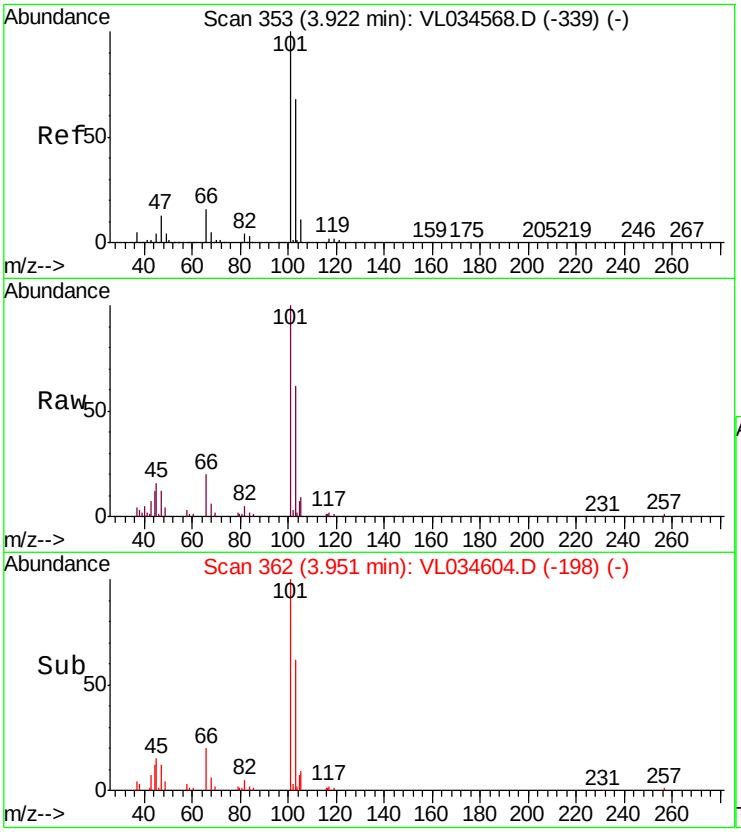


#10
Heptane
Concen: 0.044 ppbv
RT: 8.17 min Scan# 1674
Delta R.T. 0.04 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 43 Resp: 4683

Ion	Ratio	Lower	Upper
43	100		
57	194.1	41.2	61.8#



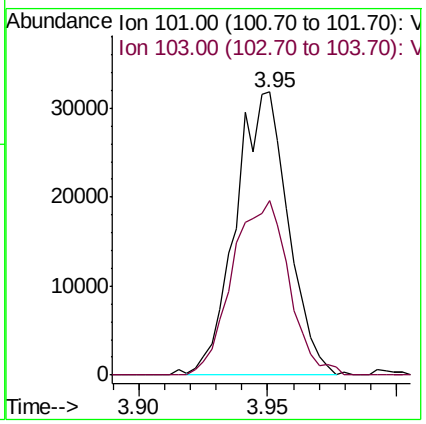


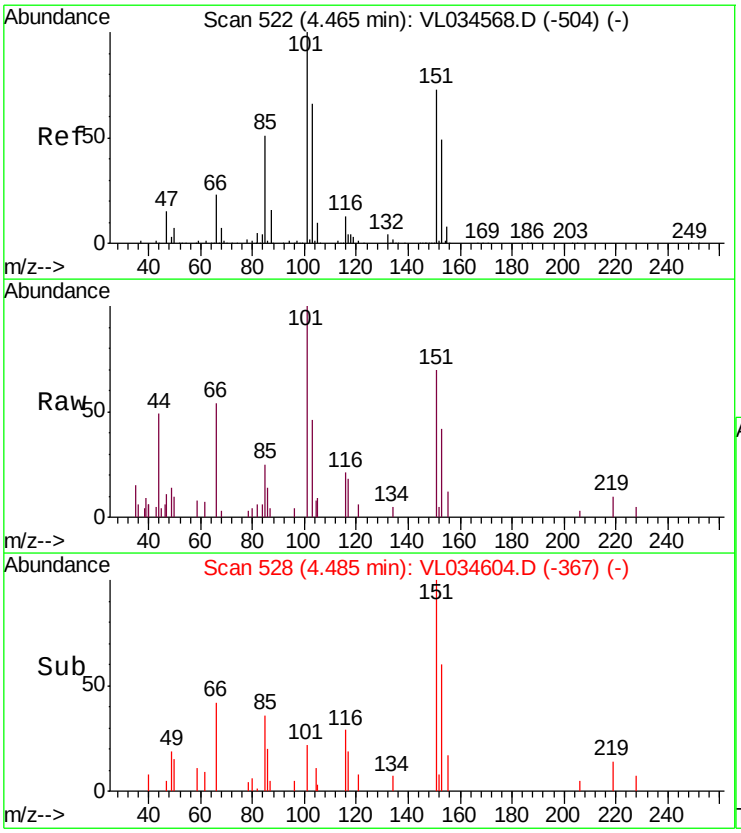
#11
Trichlorofluoromethane
Concen: 0.251 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:101 Resp: 45306

Ion	Ratio	Lower	Upper
101	100		
103	63.3	54.4	81.6

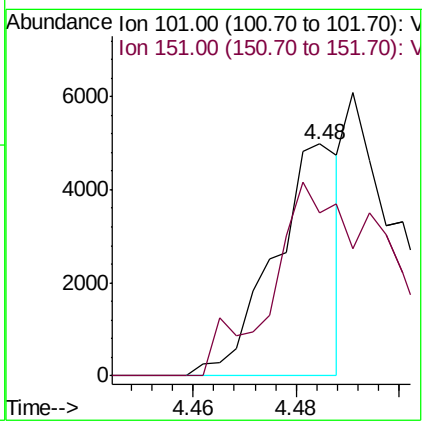


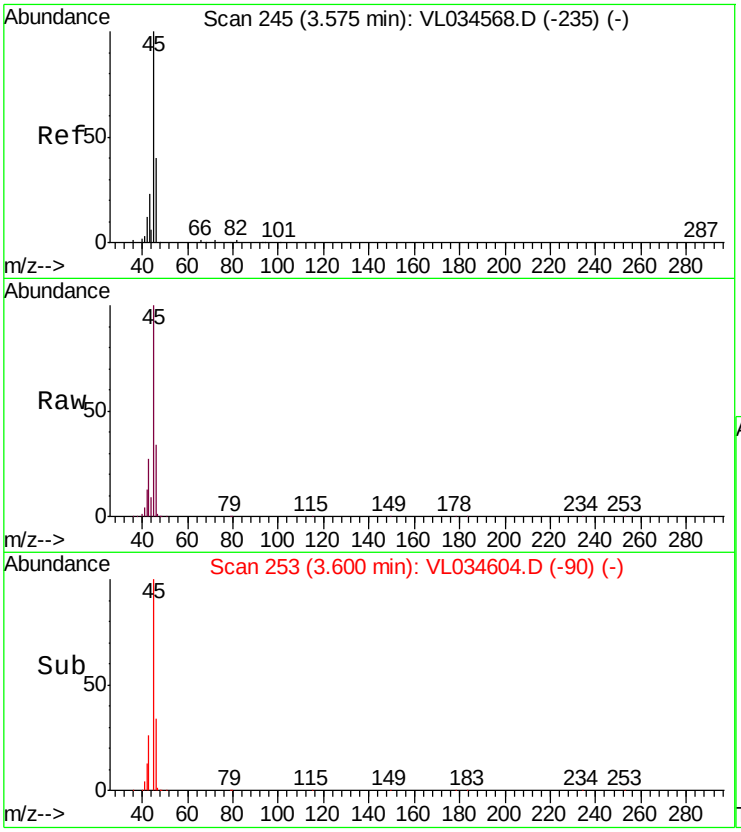


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.037 ppbv
RT: 4.48 min Scan# 528
Delta R.T. 0.02 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion:101 Resp: 4369

Ion	Ratio	Lower	Upper
101	100		
151	155.7	57.0	85.6#



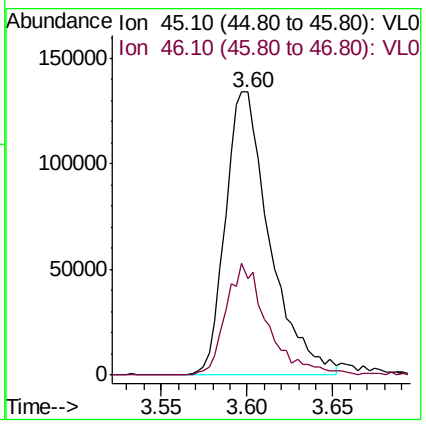


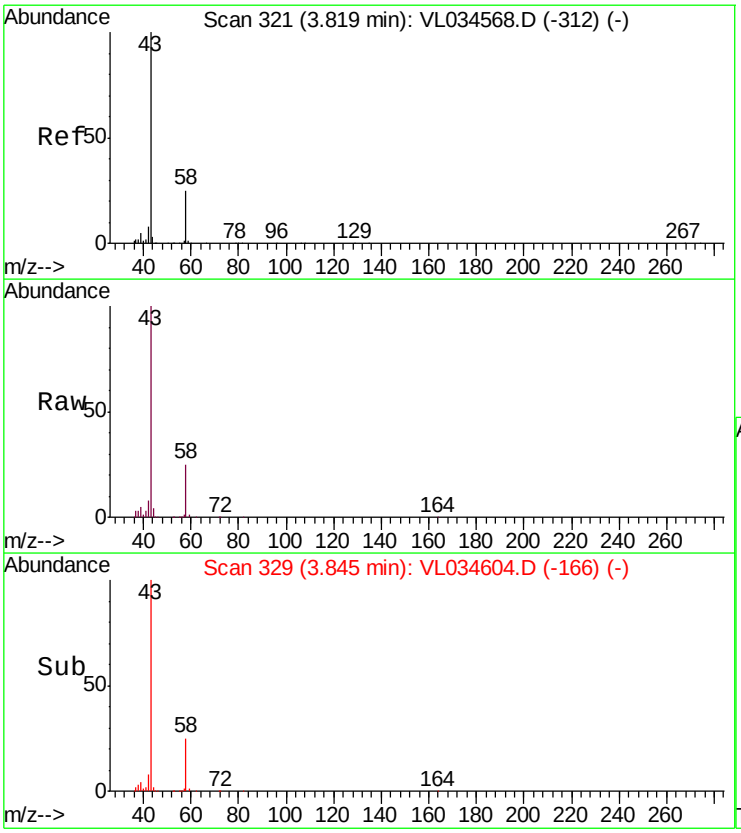
#13
Ethanol
Concen: 21.265 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 45 Resp: 241915

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.8	59.2

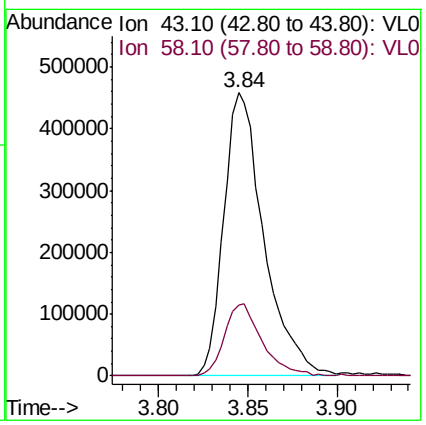


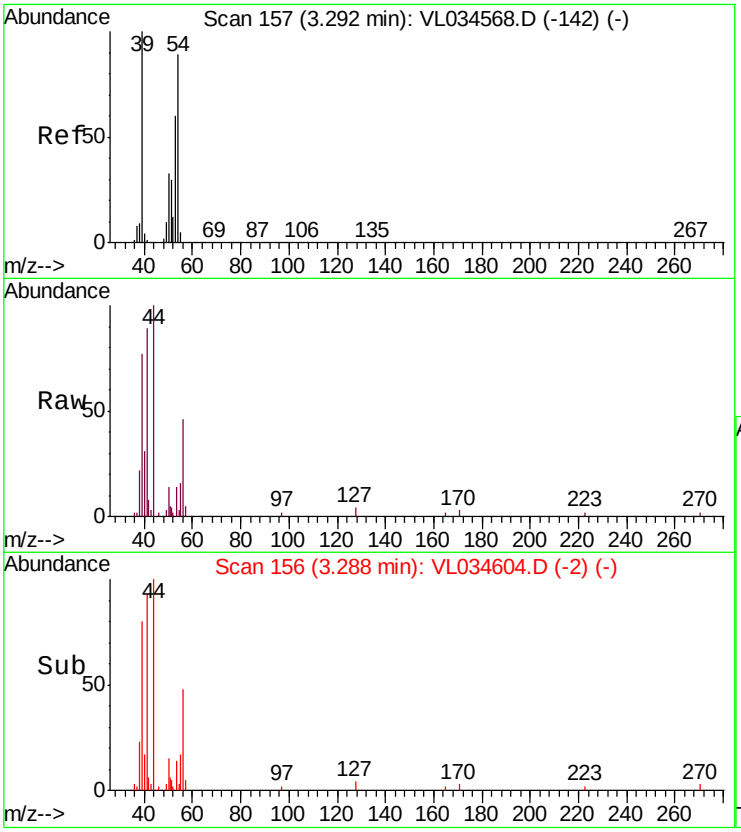


#15
Acetone
Concen: 5.408 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 43 Resp: 717516

Ion	Ratio	Lower	Upper
43	100		
58	24.1	20.3	30.5



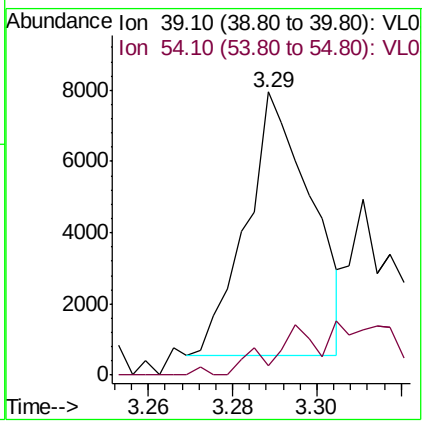


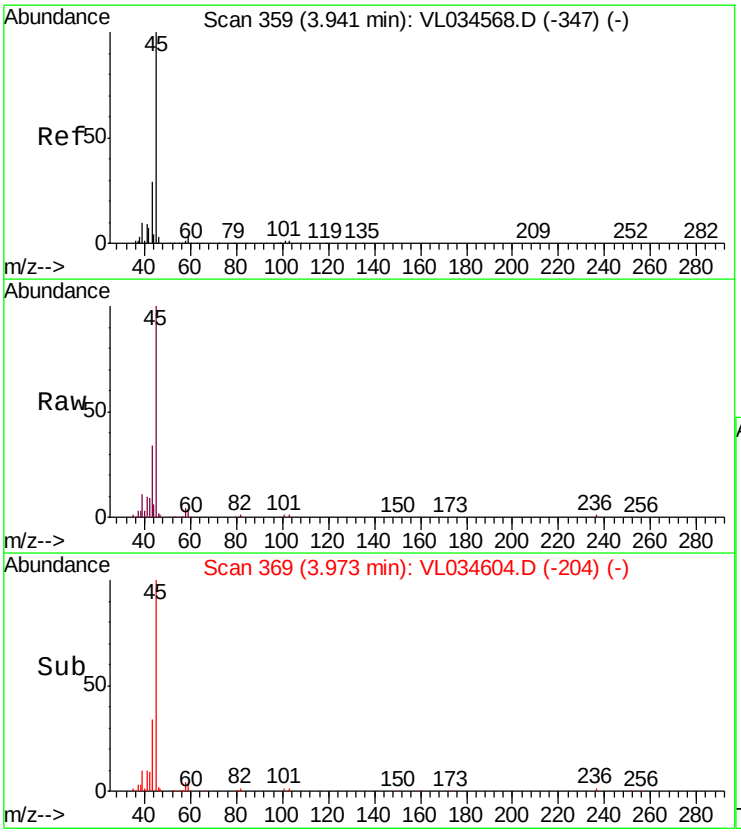
#16
1,3-Butadiene
Concen: 0.150 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.00 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 39 Resp: 7903

Ion	Ratio	Lower	Upper
39	100		
54	49.6	66.7	100.1#

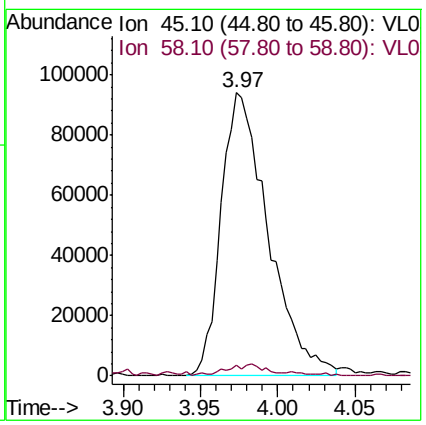


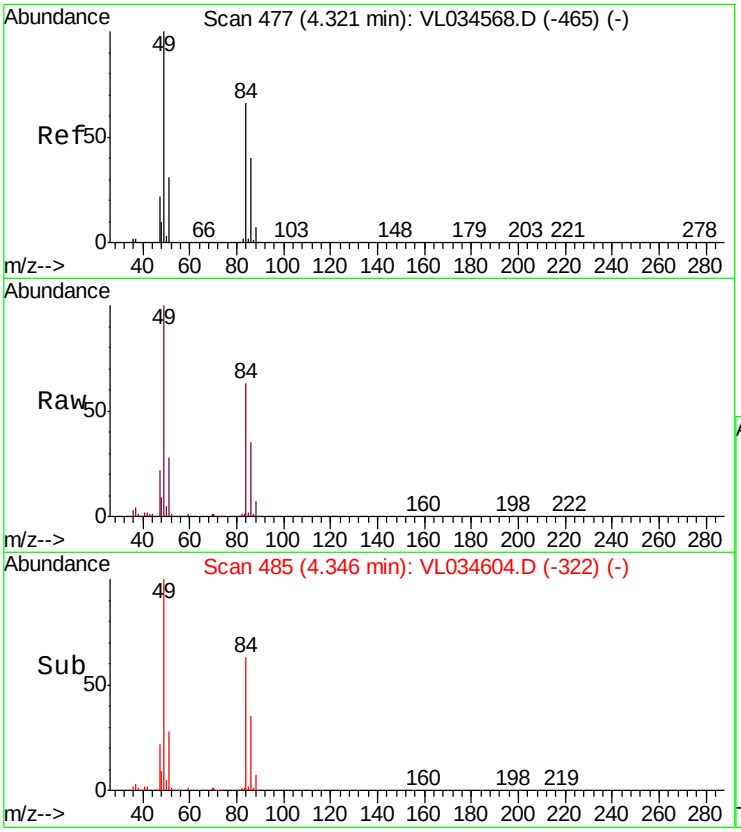


#19
Isopropyl Alcohol
Concen: 2.577 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 45 Resp: 199556

Ion	Ratio	Lower	Upper
45	100		
58	4.2	1.7	2.5#



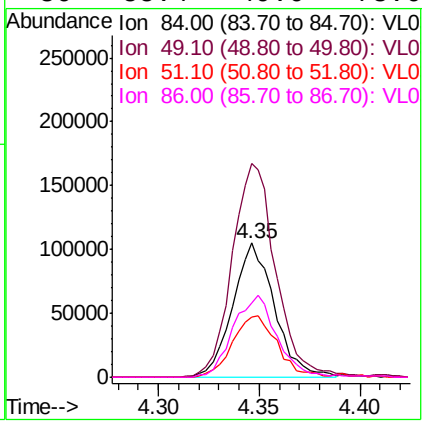


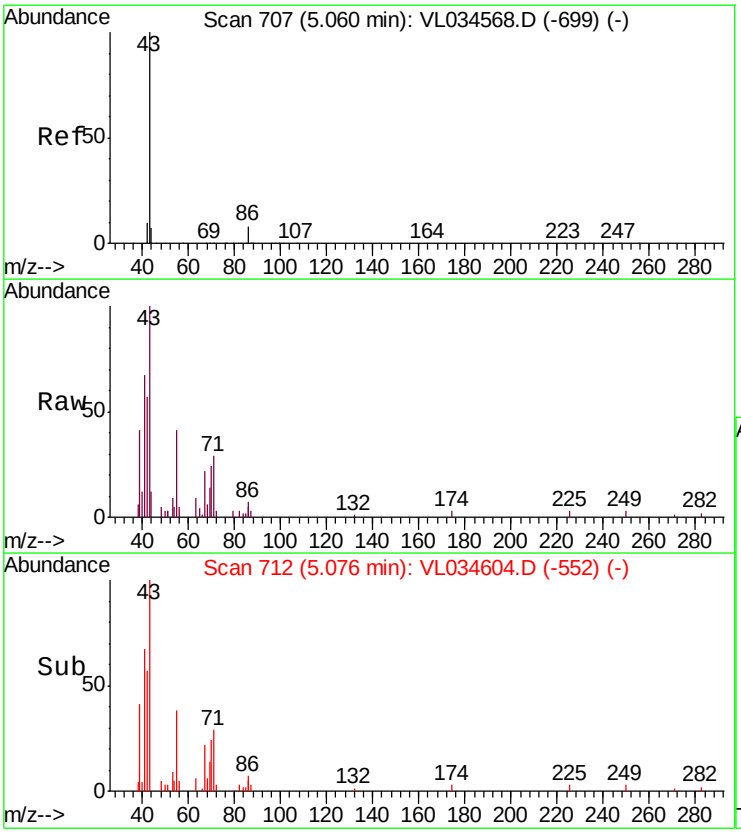
#20
Methylene Chloride
Concen: 3.020 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 84 Resp: 152570

Ion	Ratio	Lower	Upper
84	100		
49	158.3	122.4	183.6
51	44.9	38.6	57.8
86	55.4	49.0	73.6

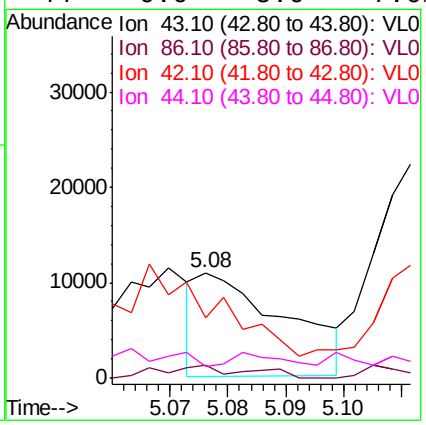


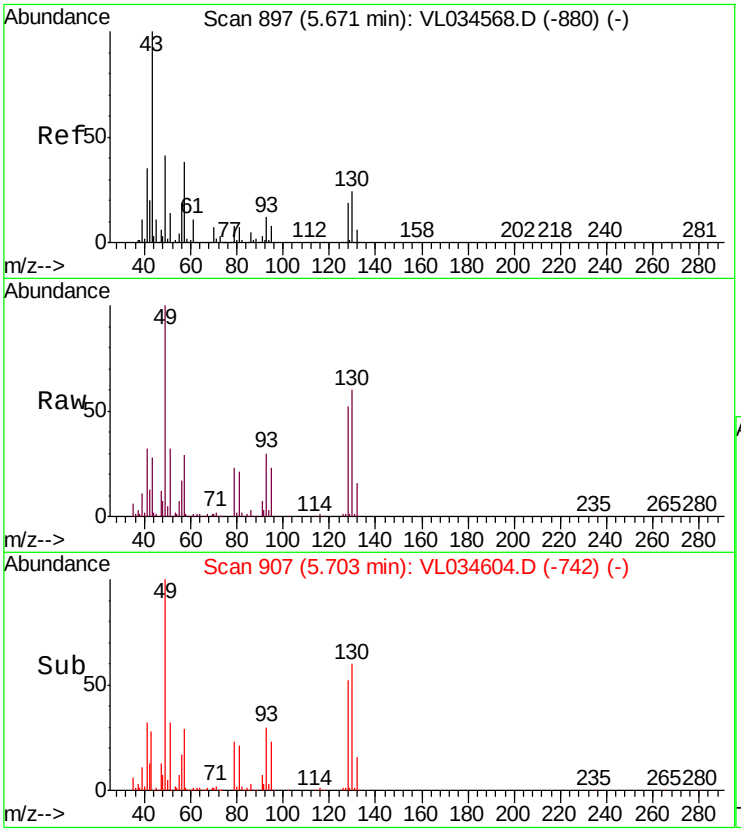


#23
Vinyl Acetate
Concen: 0.074 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.02 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 43 Resp: 11249

Ion	Ratio	Lower	Upper
43	100		
86	23.0	5.9	8.9#
42	58.6	8.8	13.2#
44	0.0	5.0	7.6#



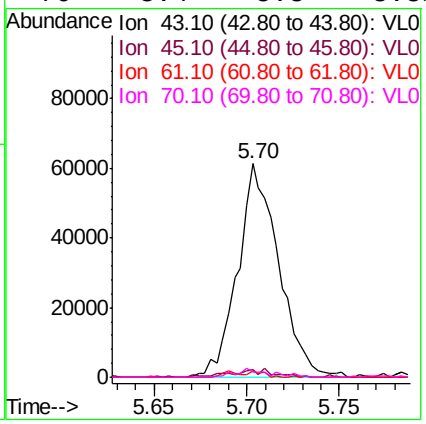


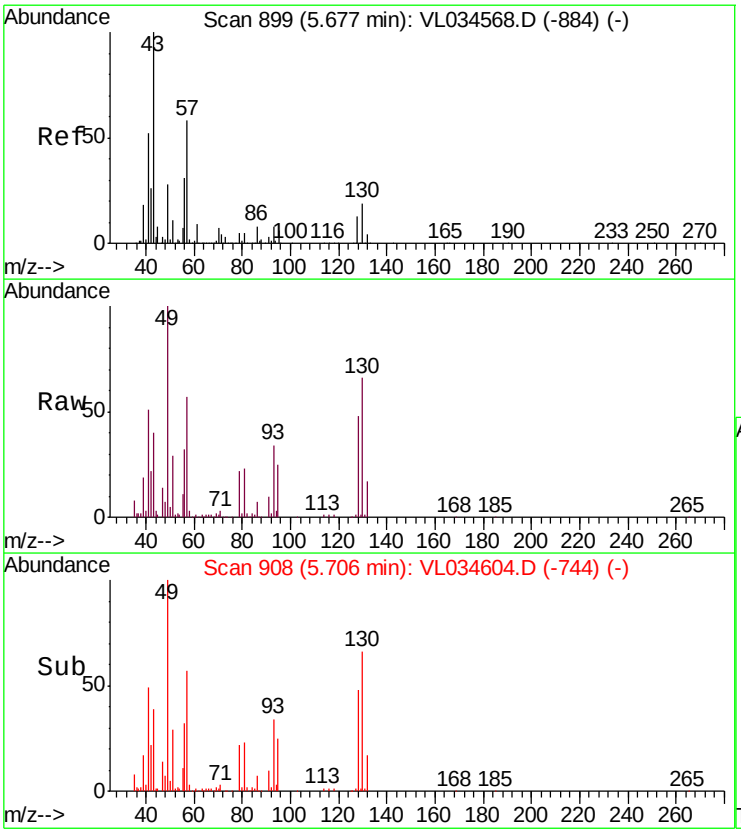
#25
Ethyl Acetate
Concen: 0.437 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 43 Resp: 93813

Ion	Ratio	Lower	Upper
43	100		
45	3.9	8.5	12.7#
61	2.2	7.8	11.6#
70	3.4	5.8	8.8#

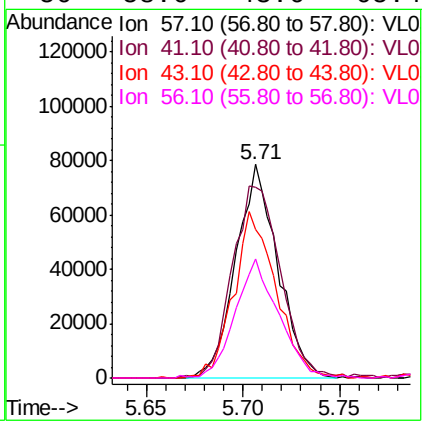


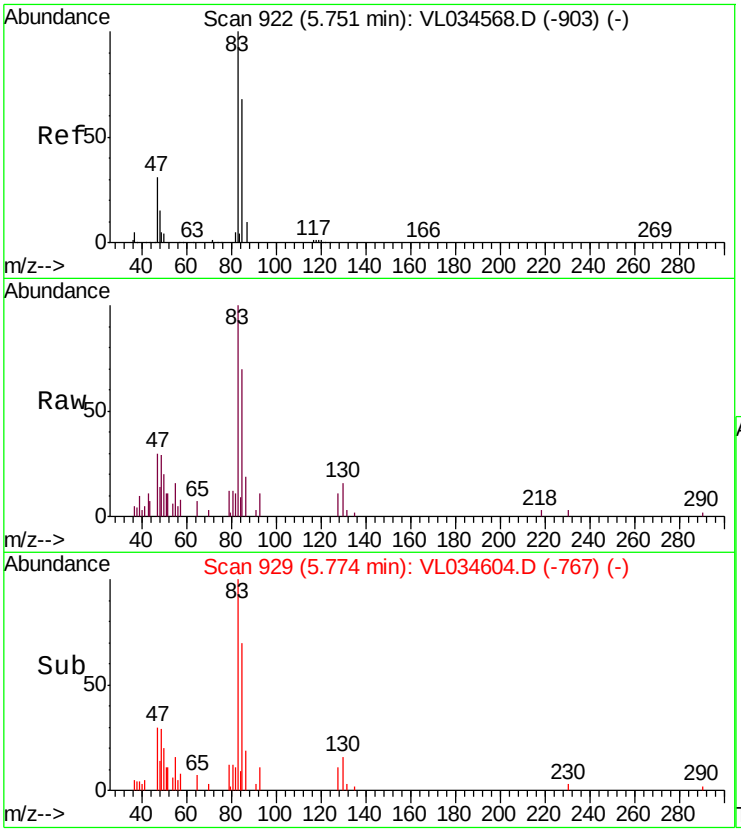


#26
Hexane
Concen: 1.303 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 57 Resp: 117201

Ion	Ratio	Lower	Upper
57	100		
41	105.6	76.2	114.2
43	80.5	189.9	284.9#
56	58.6	43.6	65.4



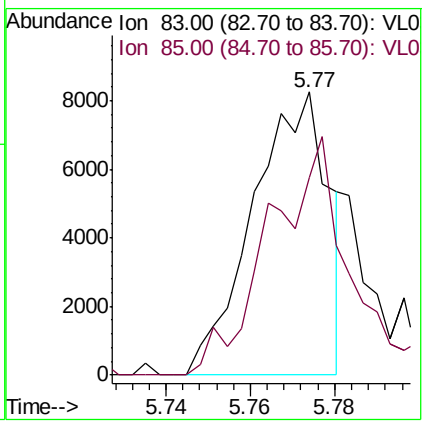


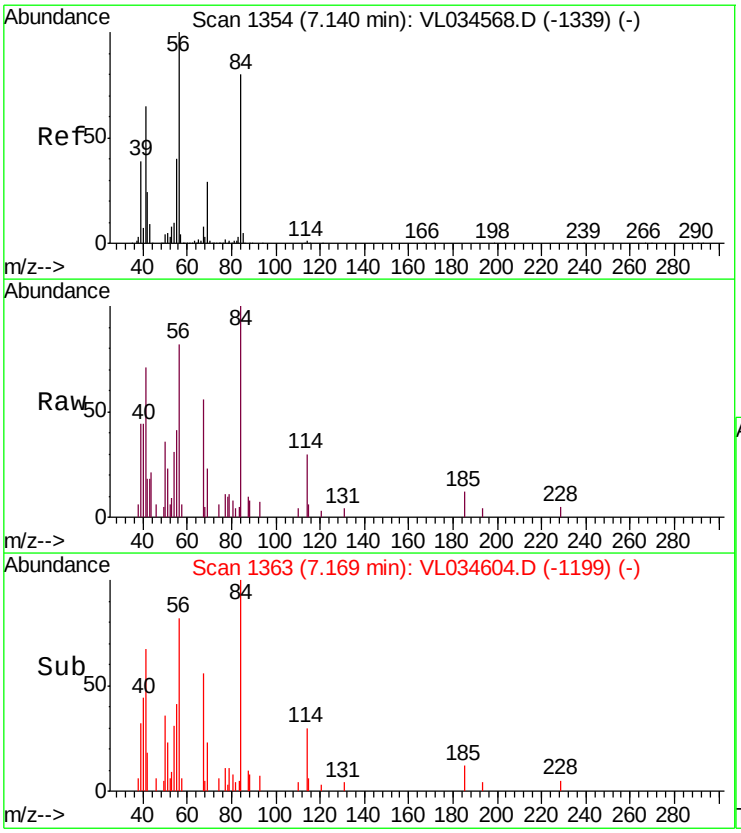
#29
Chloroform
Concen: 0.064 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 83 Resp: 10236

Ion	Ratio	Lower	Upper
83	100		
85	70.0	54.0	81.0

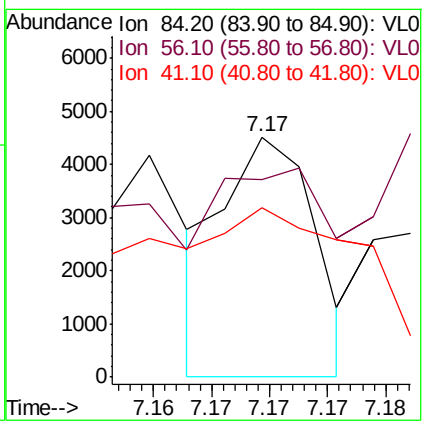


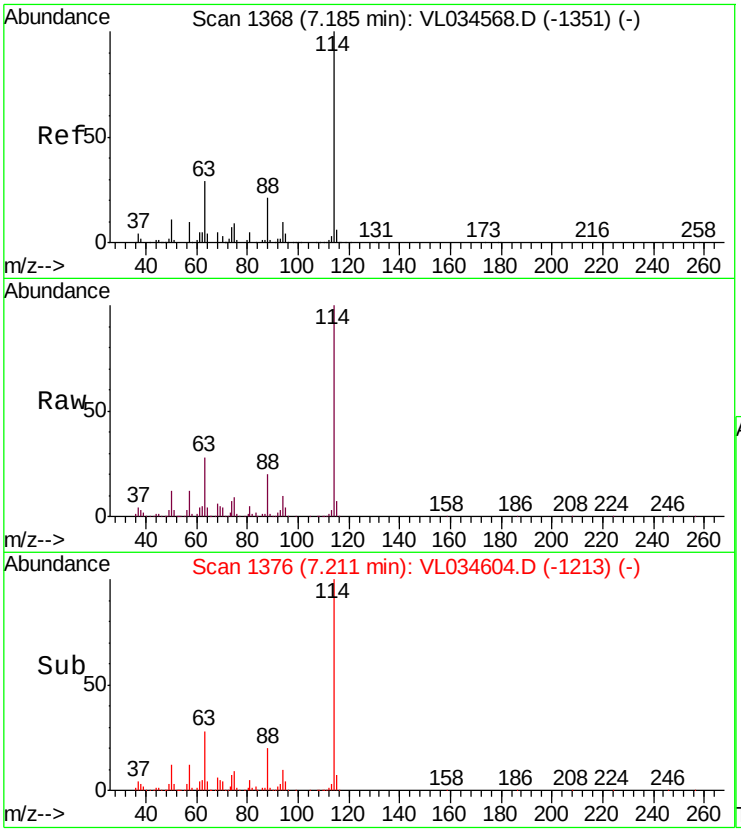


#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 84 Resp: 2496

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.5	165.7#
41	267.2	71.9	107.9#



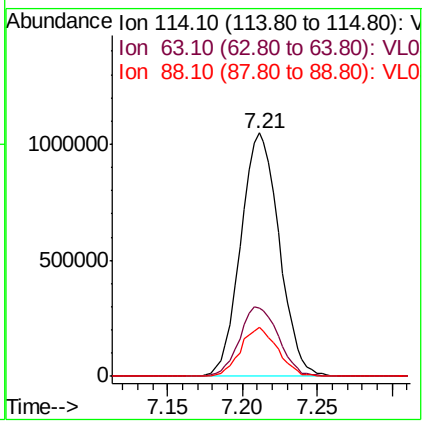


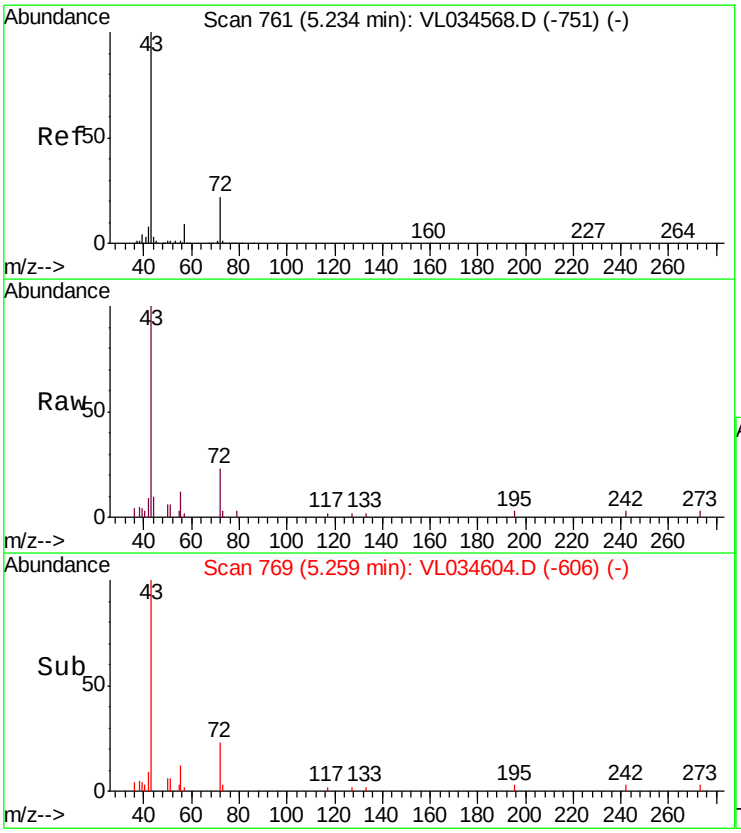
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1376
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:114 Resp: 1877413

Ion	Ratio	Lower	Upper
114	100		
63	29.0	24.1	36.1
88	19.4	15.9	23.9

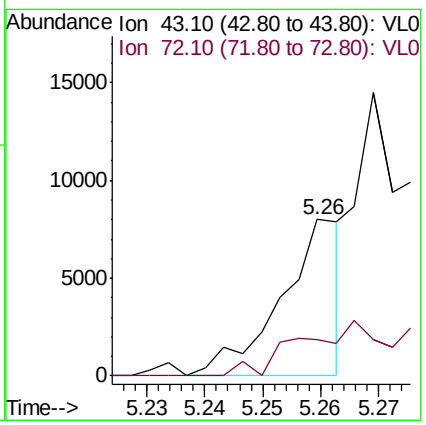


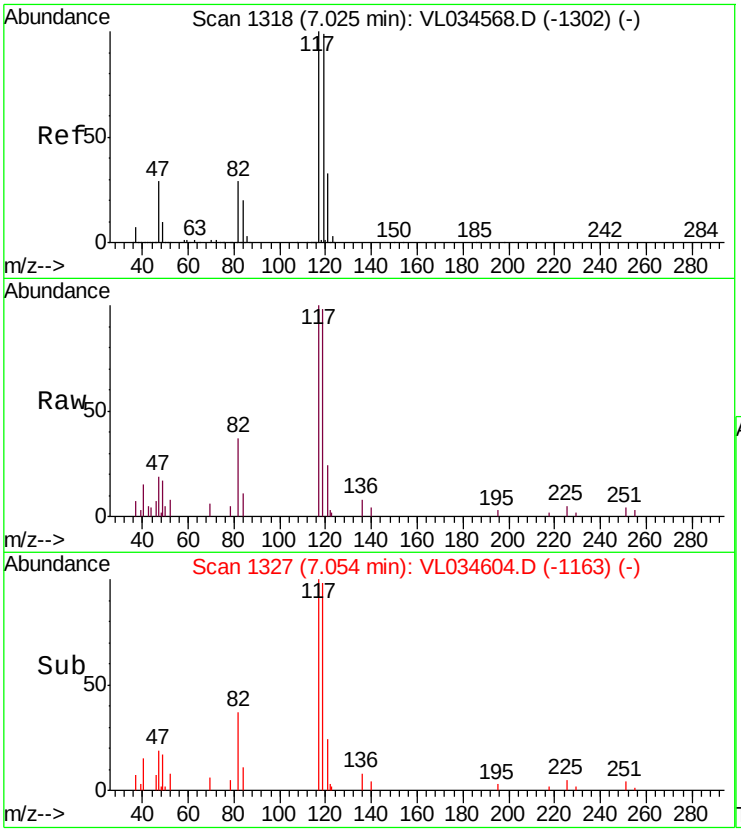


#34
2-Butanone
Concen: 0.043 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 43 Resp: 5811

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.2	25.8#



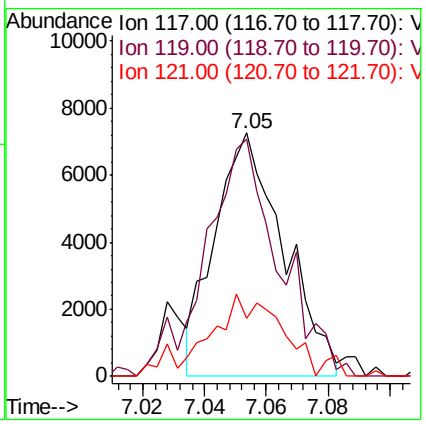


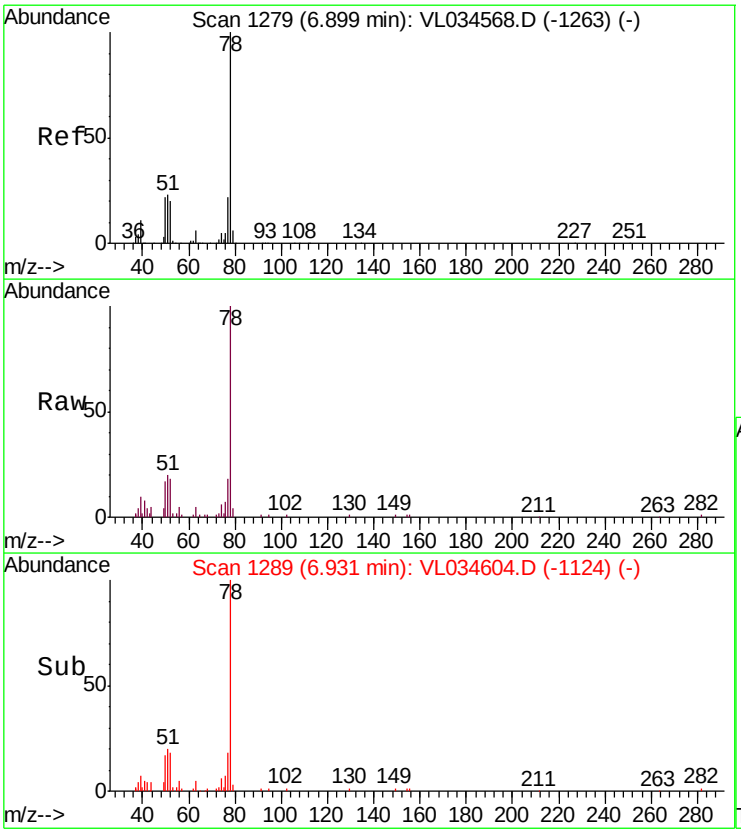
#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 7.05 min Scan# 1327
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 11258

Ion	Ratio	Lower	Upper
117	100		
119	100.0	79.5	119.3
121	17.2	26.2	39.2#

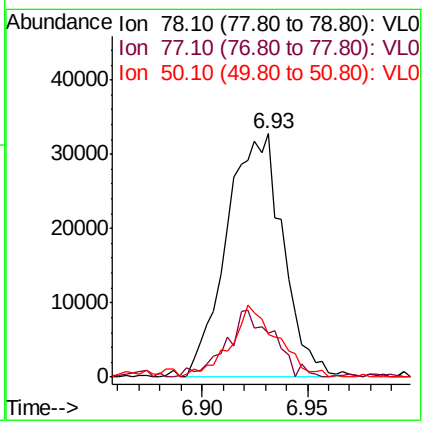


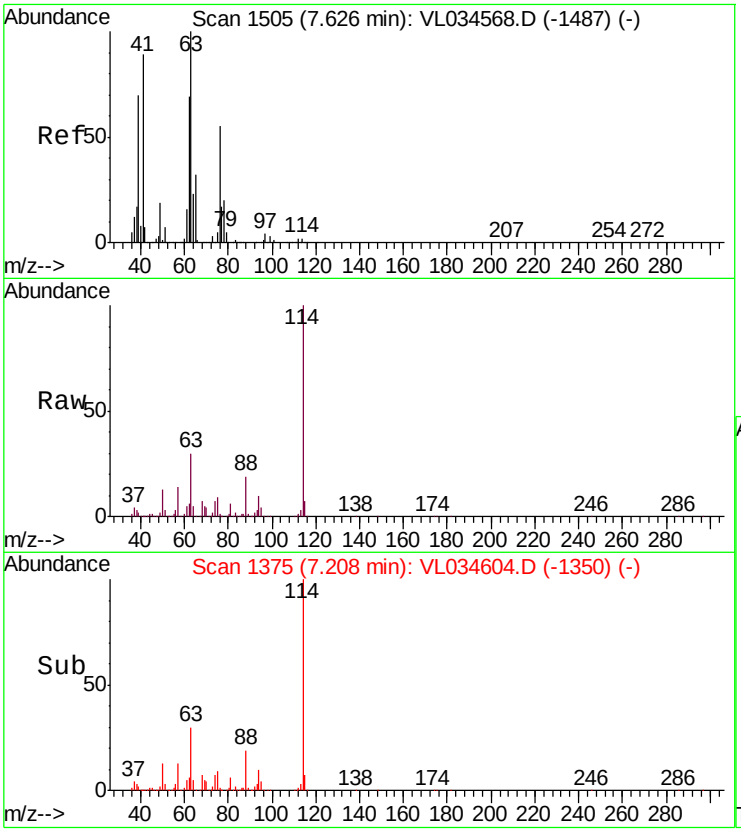


#36
Benzene
Concen: 0.363 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 78 Resp: 60676

Ion	Ratio	Lower	Upper
78	100		
77	17.3	17.3	25.9
50	16.4	17.4	26.2#



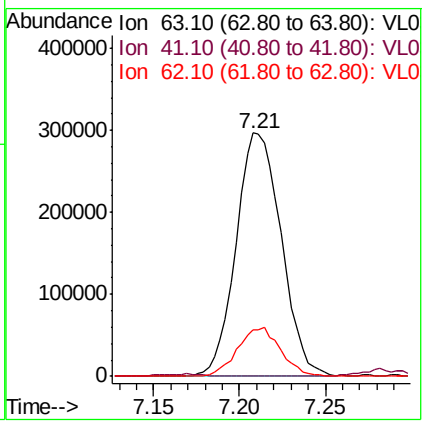


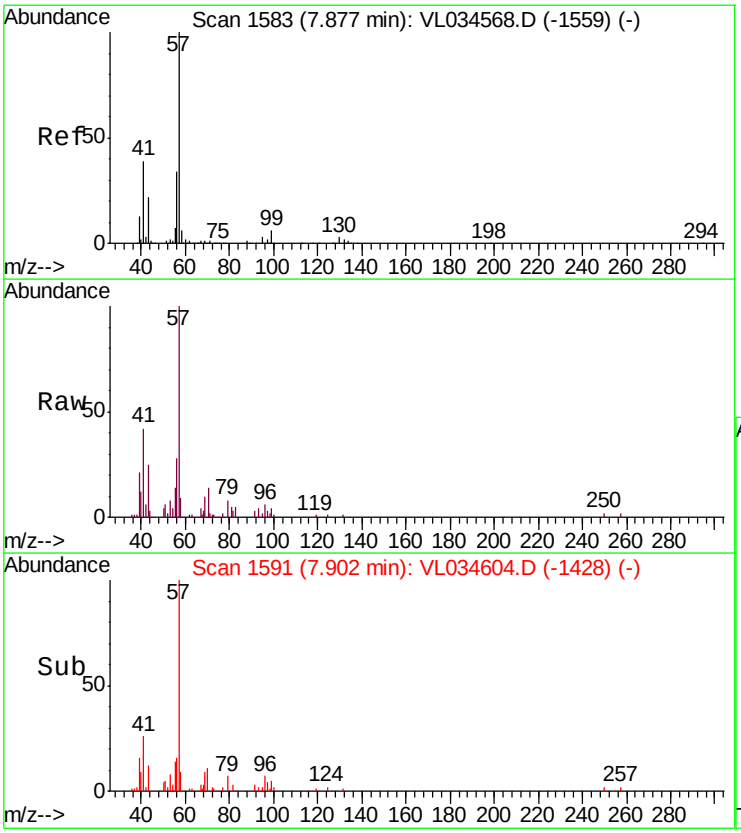
#39
1,2-Dichloropropane
Concen: 7.807 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.42 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 63 Resp: 540347

Ion	Ratio	Lower	Upper
63	100		
41	0.0	71.0	106.4#
62	18.9	55.4	83.0#

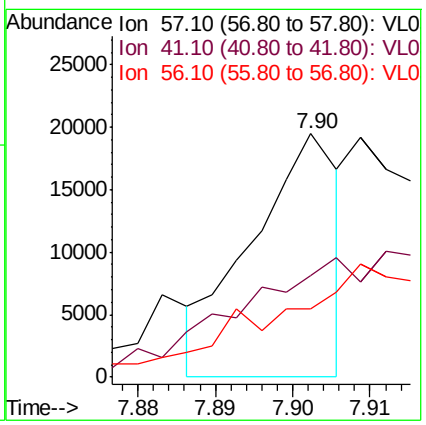


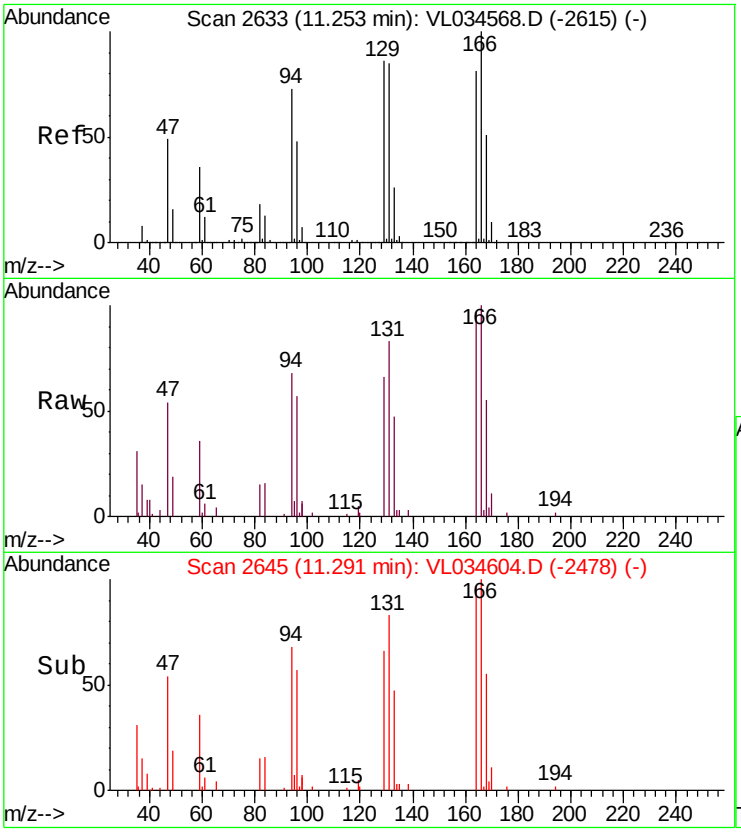


#44
2,2,4-Trimethylpentane
Concen: 0.051 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 57 Resp: 15371

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.9	43.3#
56	0.0	25.5	38.3#



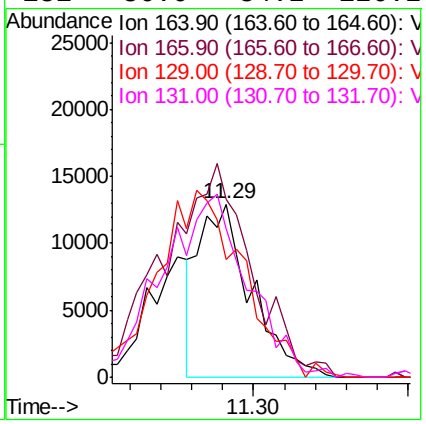


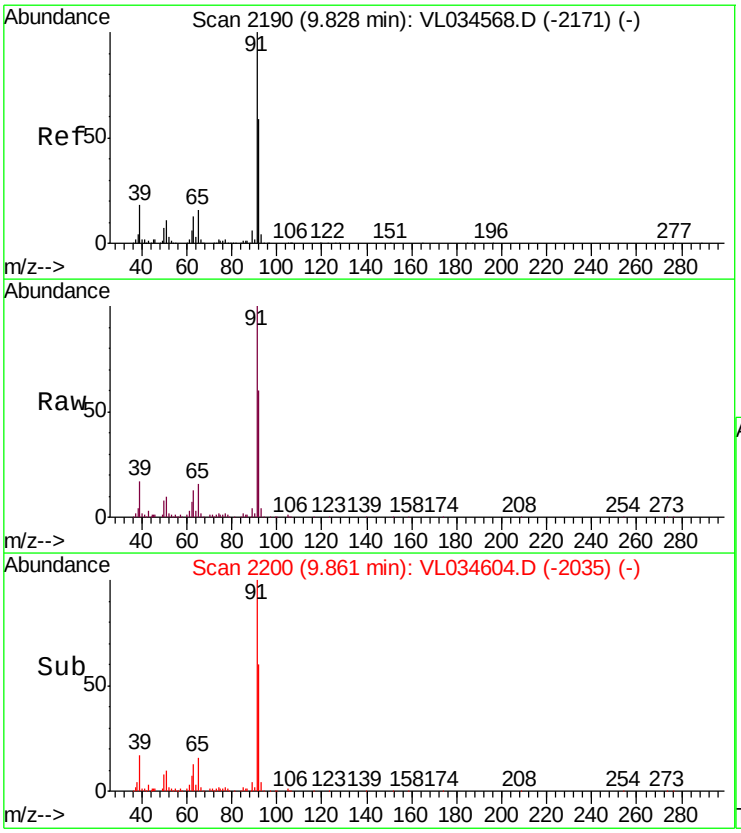
#52
Tetrachloroethene
Concen: 0.226 ppbv
RT: 11.29 min Scan# 2645
Delta R.T. 0.04 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:164 Resp: 15148

Ion	Ratio	Lower	Upper
164	100		
166	103.0	99.0	148.4
129	66.8	85.3	127.9#
131	86.0	84.2	126.2

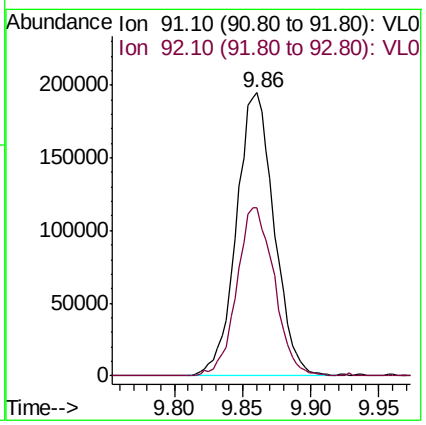


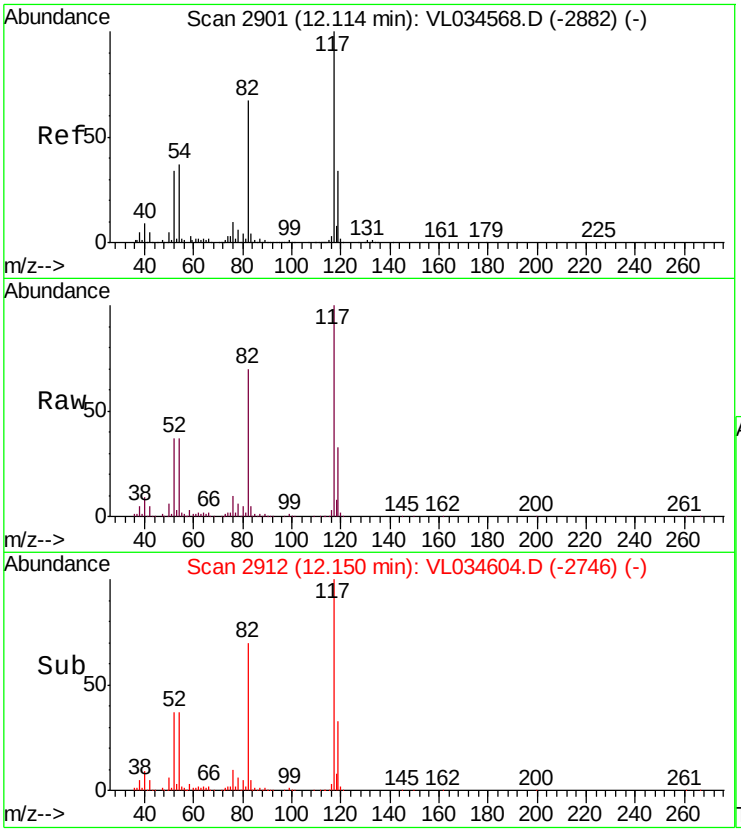


#53
Toluene
Concen: 2.035 ppbv
RT: 9.86 min Scan# 2200
Delta R.T. 0.03 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 91 Resp: 373158

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.2	72.2



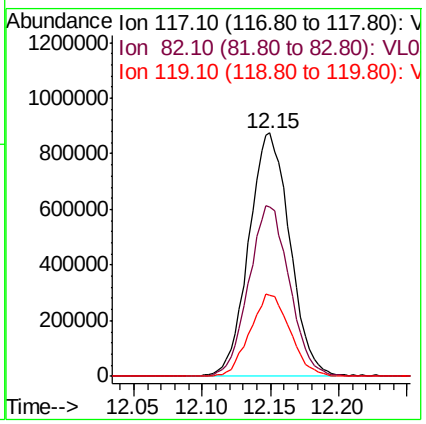


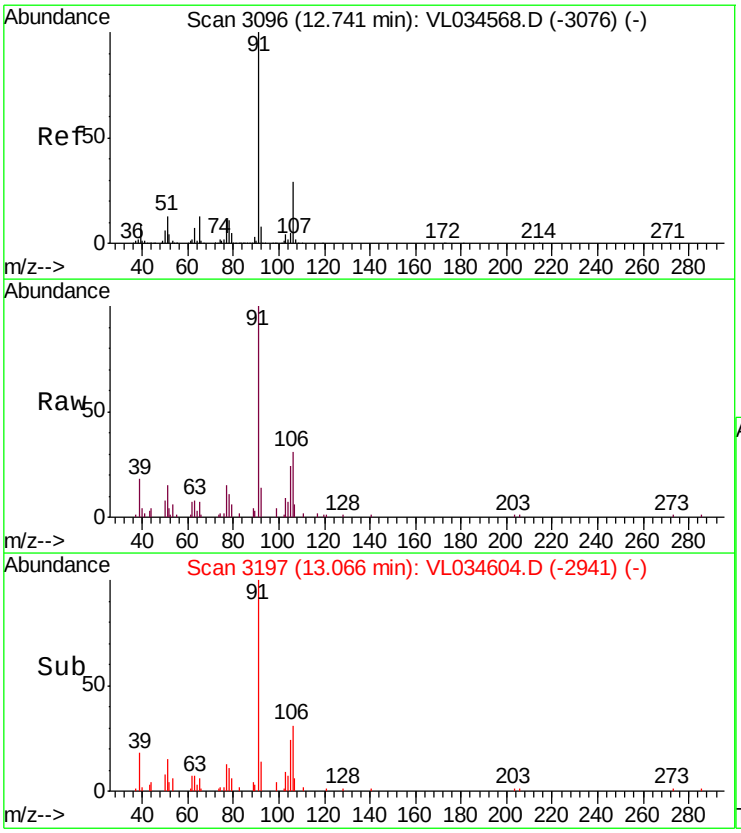
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.04 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion:117 Resp: 1824013

Ion	Ratio	Lower	Upper
117	100		
82	69.8	54.2	81.4
119	33.1	26.1	39.1

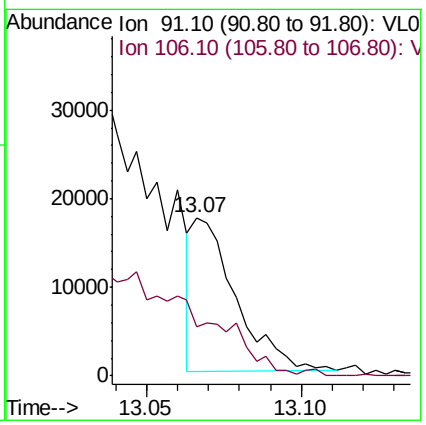


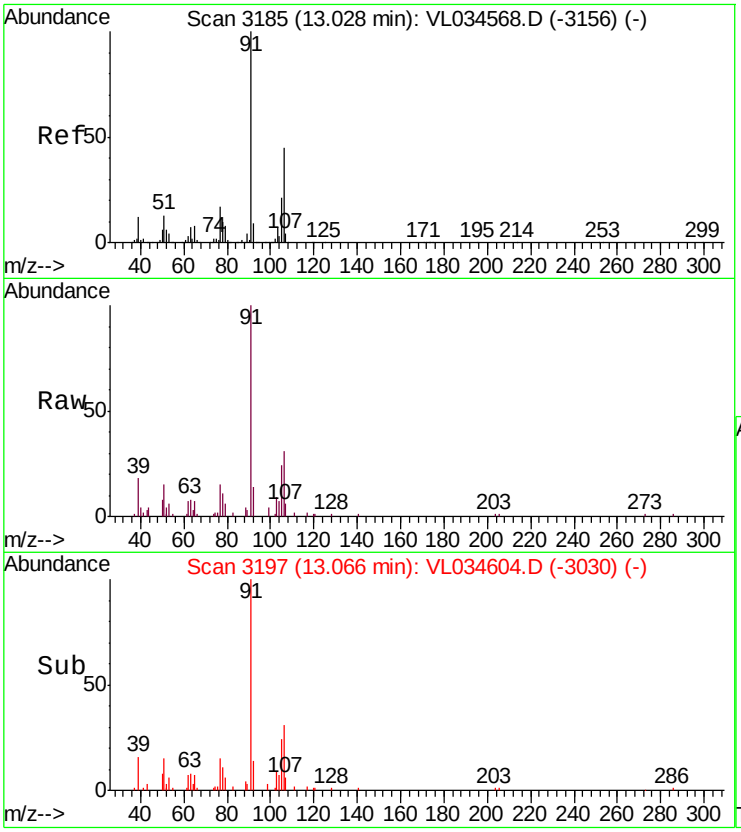


#58
Ethyl Benzene
Concen: 0.068 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. 0.32 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 91 Resp: 16638

Ion	Ratio	Lower	Upper
91	100		
106	32.4	23.3	34.9



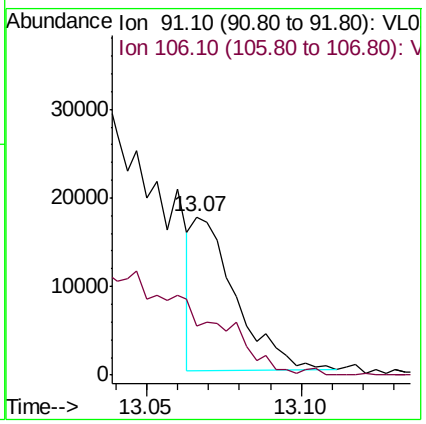


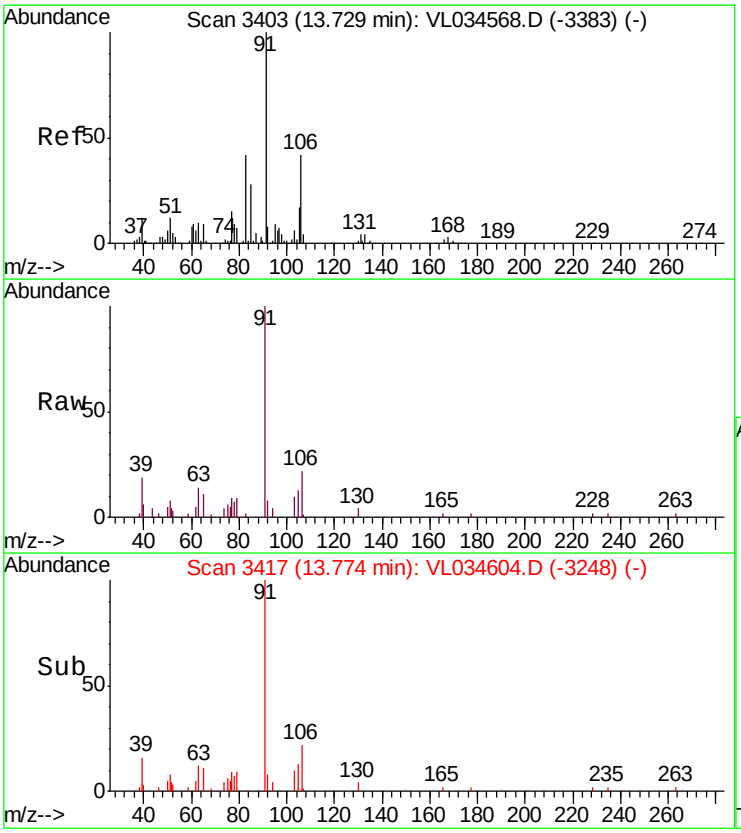
#59
m/p-Xylene
Concen: 0.077 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. 0.04 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 91 Resp: 16638

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#

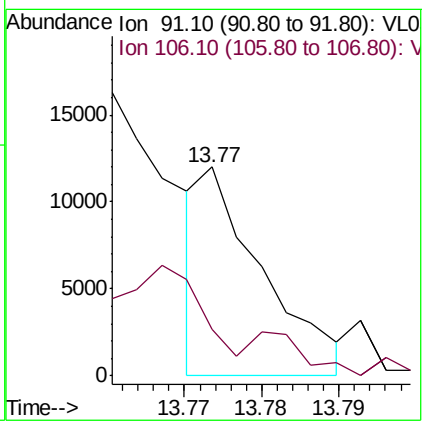


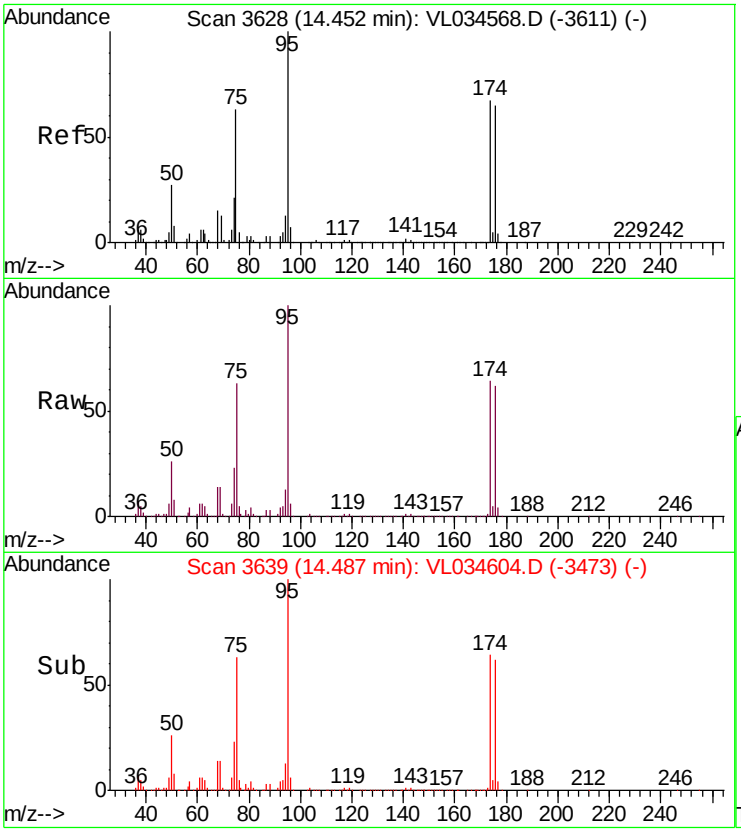


#60
o-Xylene
Concen: 0.031 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. 0.04 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion: 91 Resp: 6733

Ion	Ratio	Lower	Upper
91	100		
106	194.0	21.6	65.0#



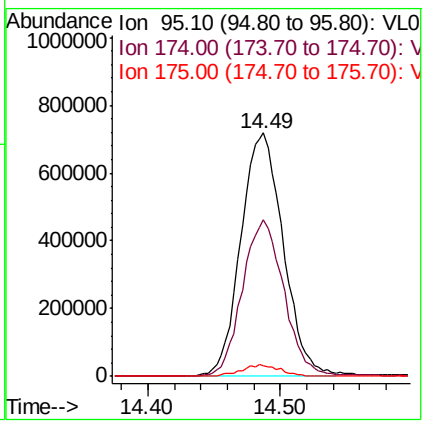


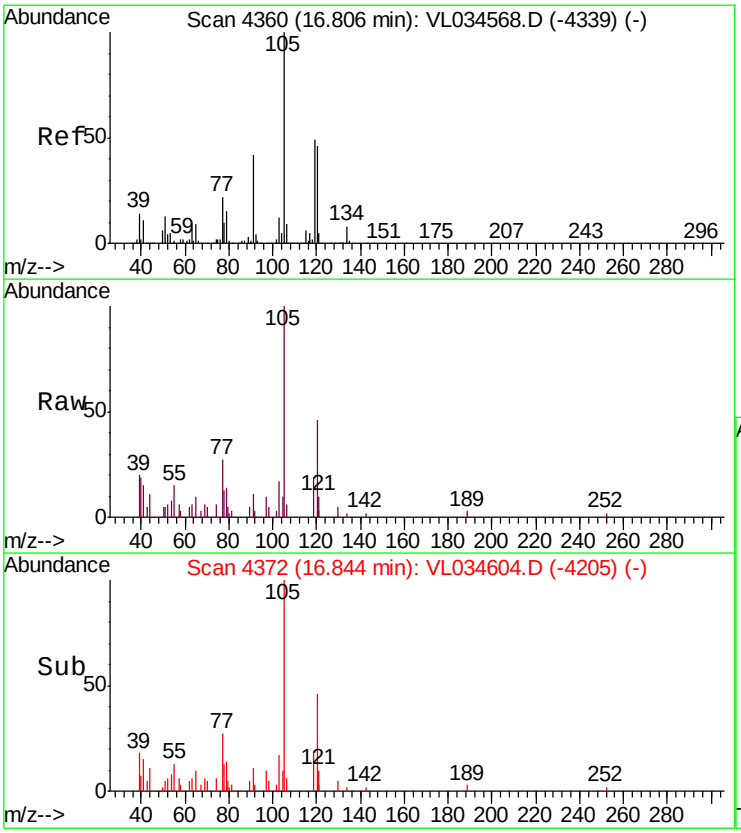
#68
1-Bromo-4-Fluorobenzene
Concen: 10.318 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. 0.04 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 95 Resp: 1590637

Ion	Ratio	Lower	Upper
95	100		
174	64.2	52.3	78.5
175	4.5	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.045 ppbv
RT: 16.84 min Scan# 4372
Delta R.T. 0.04 min
Lab File: VL034604.D
Acq: 6 Feb 2020 18:11

Tgt Ion:105 Resp: 11631

Ion	Ratio	Lower	Upper
105	100		
120	39.8	37.1	55.7
91	12.2	34.3	51.5#
77	27.2	17.5	26.3#