Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035928.D
Acq On : 13 Nov 2020 00:38
Operator : SY/AP
Sample : L4721-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Nov 13 03:40:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1128354	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3977789	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3608401	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2703207	10.54	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	45979	0.216	ppbv		96
3) Chlorodifluoromethane	2.98	51	85430	0.632	ppbv	#	84
4) Chloromethane	3.13	50	35717	0.544	ppbv	#	88
9) Propene	3.01	41	65135	1.317	ppbv	#	79
10) Heptane	8.12	43	16205	0.119	ppbv		97
11) Trichlorofluoromethane	3.94	101	67651	0.254	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	6343	0.032	ppbv	#	13
13) Ethanol	3.63	45	17746254	1653.981	ppbv		96
15) Acetone	3.84	43	1561546	12.945	ppbv		94
16) 1,3-Butadiene	3.34	39	83905	1.616	ppbv	#	4
17) tert-Butyl alcohol	4.01	59	323964	2.026	ppbv		100
19) Isopropyl Alcohol	4.01	45	6834275	92.191	ppbv	#	97
20) Methylene Chloride	4.34	84	102538	1.207	ppbv		96
21) Allyl Chloride	4.30	41	14621	0.224	ppbv	#	5
23) Vinyl Acetate	5.06	43	39041	0.231	ppbv	#	50
25) Ethyl Acetate	5.68	43	286009	1.204	ppbv	#	76
26) Hexane	5.68	57	424584	3.240	ppbv	#	47
29) Chloroform	5.74	83	50197	0.195	ppbv		88
30) Cyclohexane	7.12	84	12594	0.088	ppbv	#	6
34) 2-Butanone	5.24	43	55923	0.433	ppbv		92
36) Benzene	6.88	78	109965	0.372	ppbv		95
39) 1,2-Dichloropropane	7.17	63	825682	8.293	ppbv	#	29
44) 2,2,4-Trimethylpentane	7.86	57	99204	0.254	ppbv	#	73
53) Toluene	9.80	91	962907	2.699	ppbv		97
58) Ethyl Benzene	12.71	91	40349	0.092	ppbv	#	80
59) m/p-Xylene	12.97	91	126829	0.341	ppbv		99
60) o-Xylene	13.69	91	49762	0.138	ppbv		98
72) 4-Ethyltoluene	15.84	105	16010	0.036	ppbv	#	83
74) 1,2,4-Trimethylbenzene	16.76	105	61590	0.143	ppbv	#	67
76) 1,4-Dichlorobenzene	17.14	146	8160	0.031	ppbv	#	49

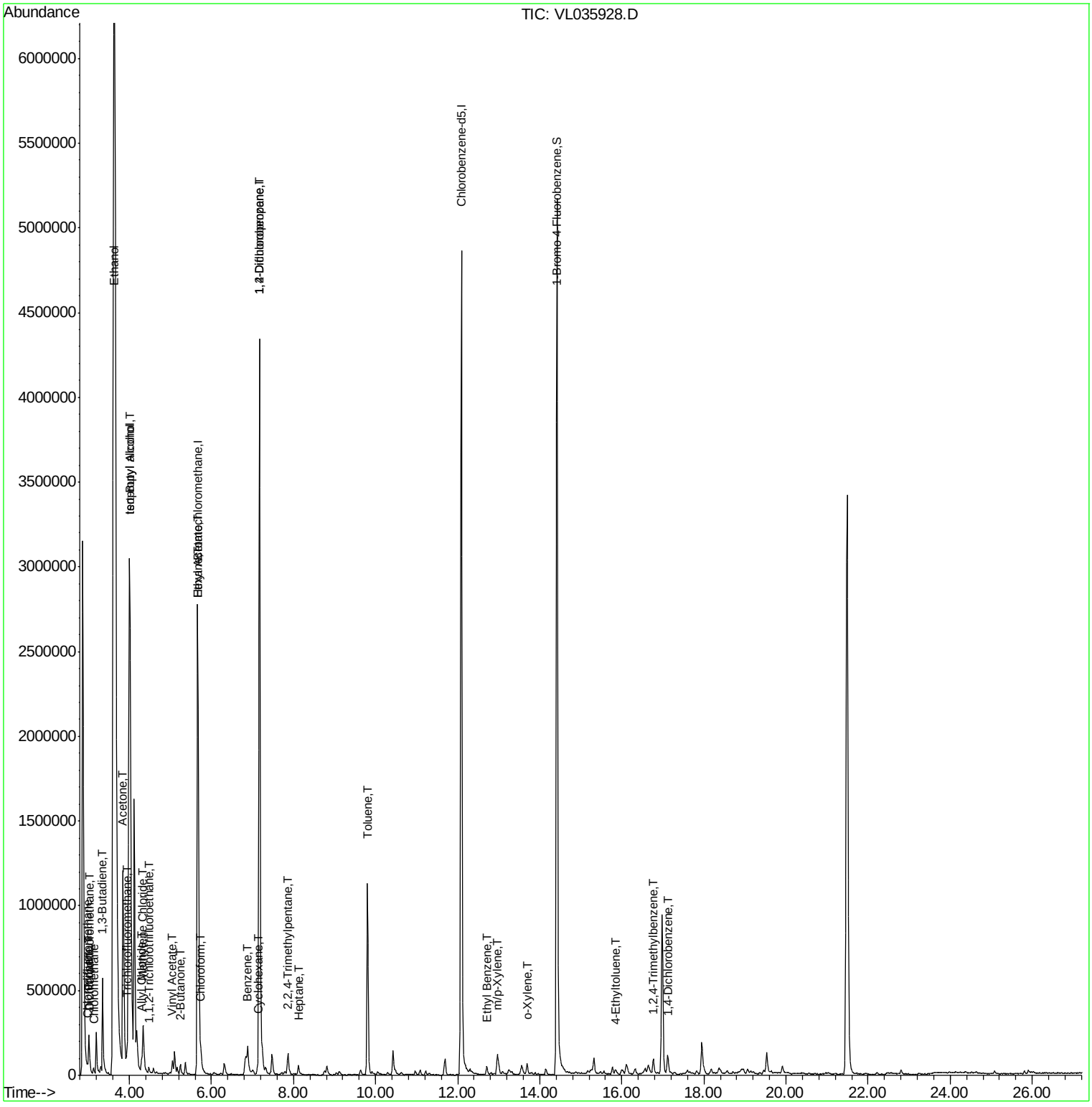
(#) = qualifier out of range (m) = manual integration (+) = signals summed

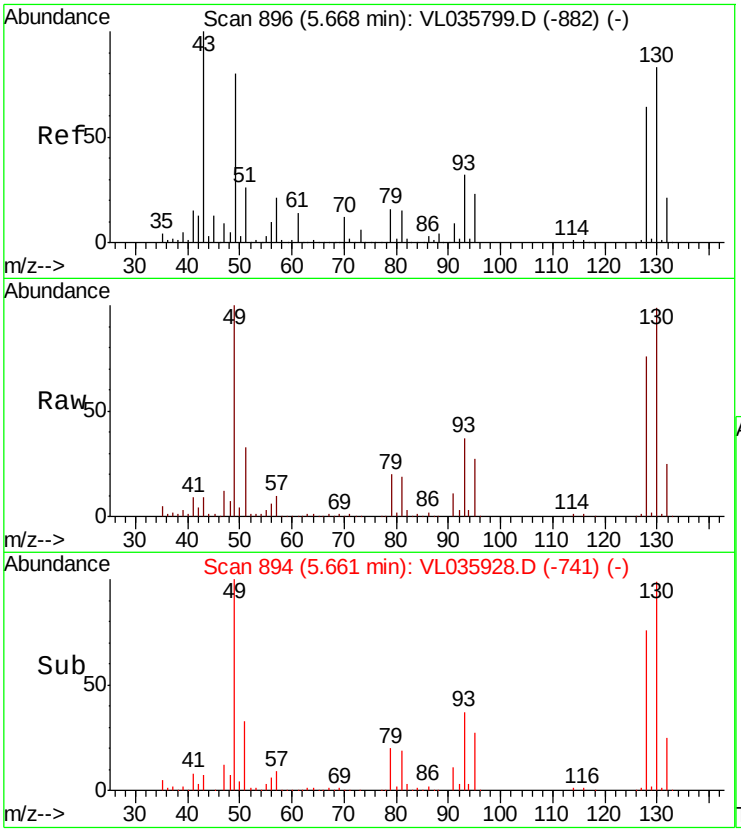
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111220\
Data File : VL035928.D
Acq On : 13 Nov 2020 00:38
Operator : SY/AP
Sample : L4721-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BFB

Quant Time: Nov 13 03:40:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



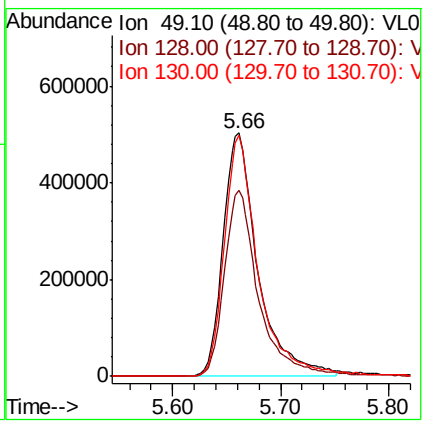


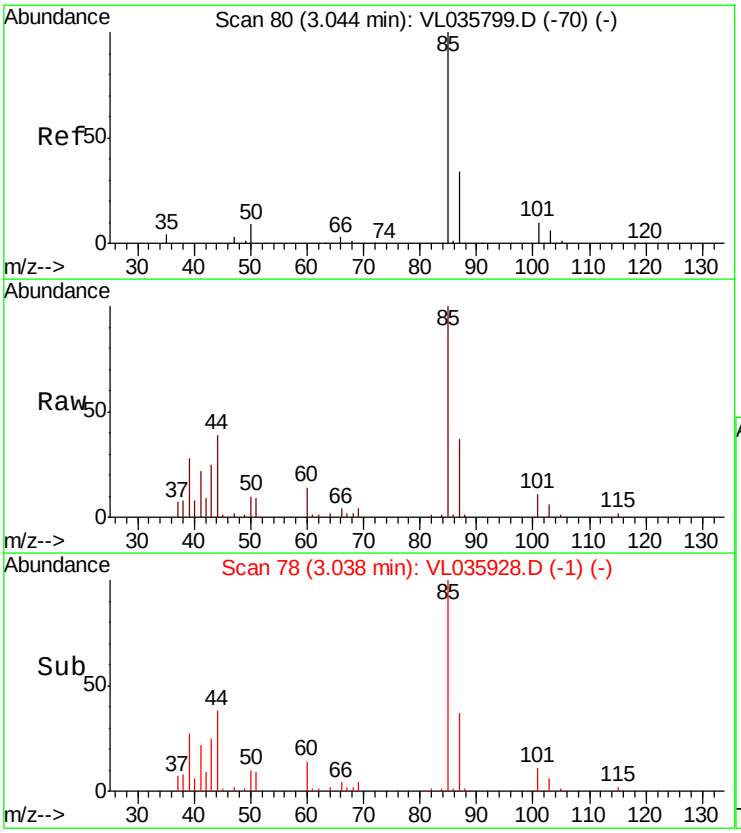
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 49 Resp: 1128354

Ion	Ratio	Lower	Upper
49	100		
128	75.9	41.5	124.6
130	98.2	53.7	161.1

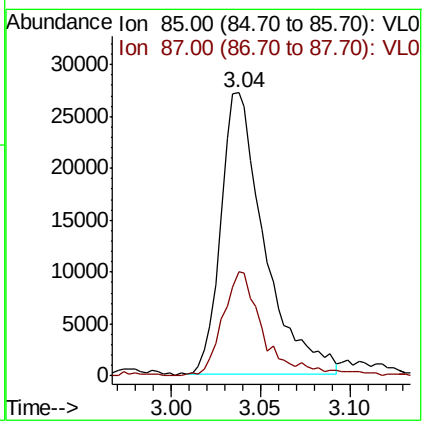


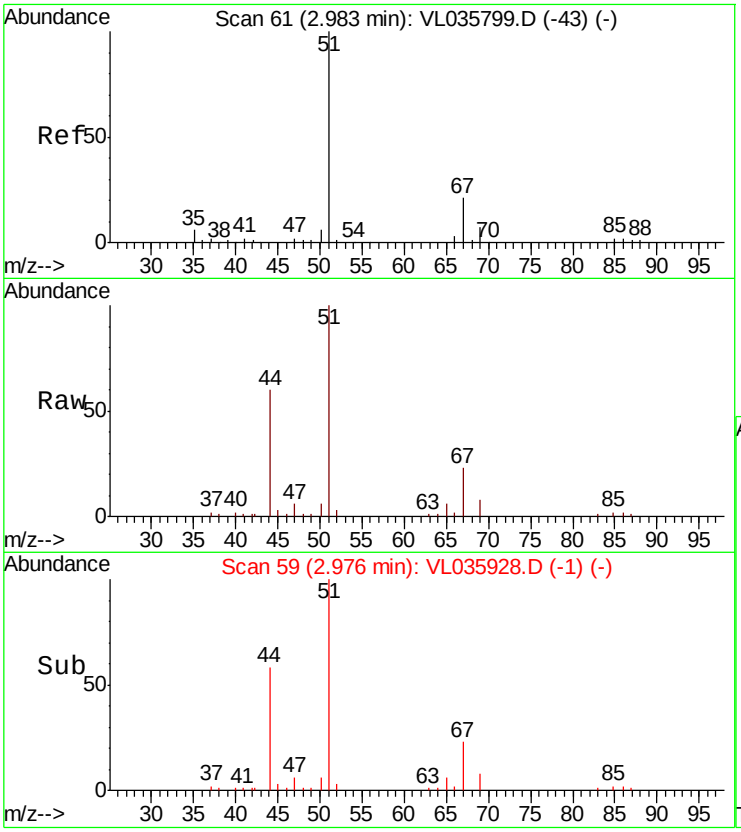


#2
Dichlorodifluoromethane
Concen: 0.216 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 85 Resp: 45979

Ion	Ratio	Lower	Upper
85	100		
87	36.2	27.1	40.7



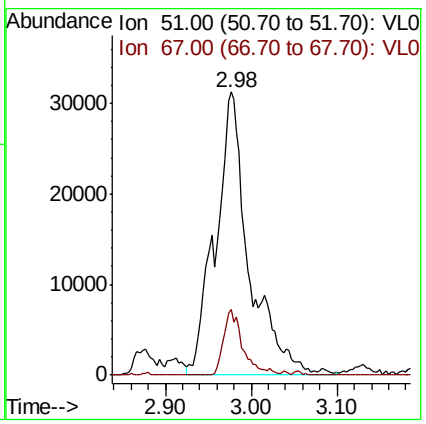


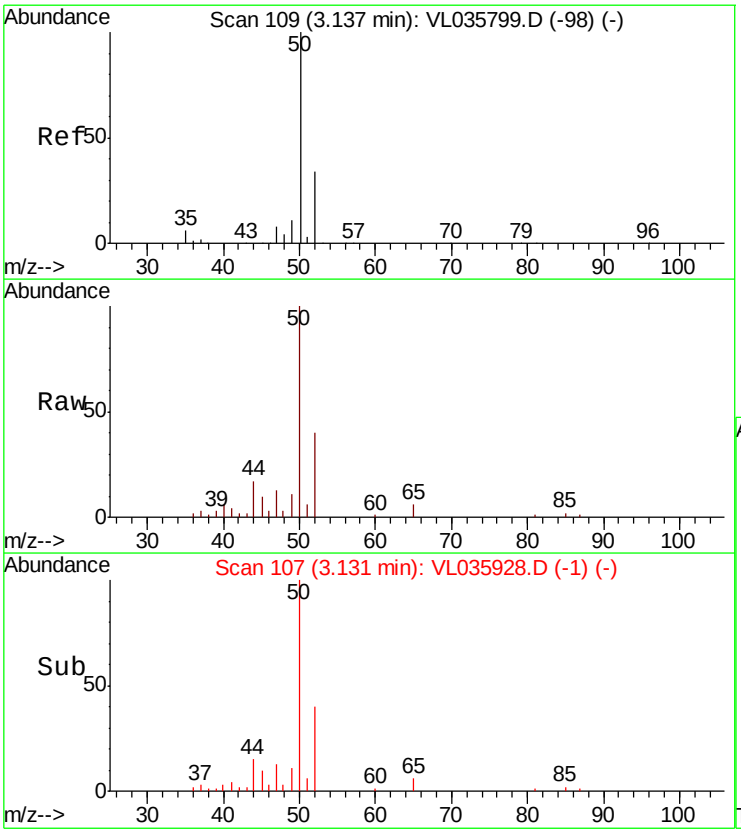
#3
Chlorodifluoromethane
Concen: 0.632 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 51 Resp: 85430

Ion	Ratio	Lower	Upper
51	100		
67	13.7	17.0	25.4#

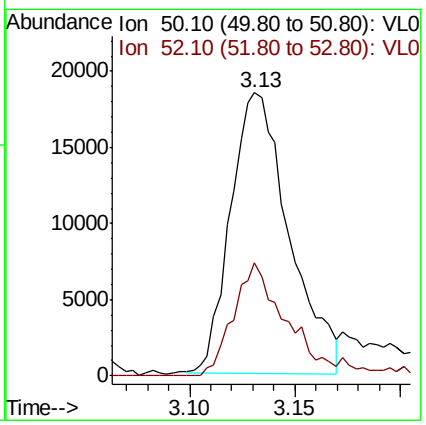


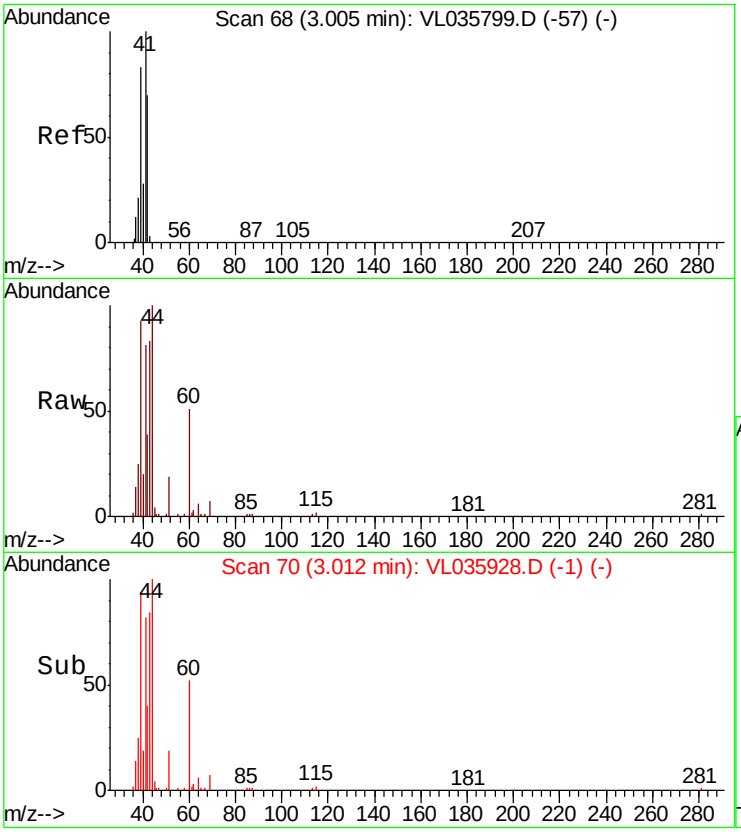


#4
Chloromethane
Concen: 0.544 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 50 Resp: 35717

Ion	Ratio	Lower	Upper
50	100		
52	40.7	27.1	40.7#



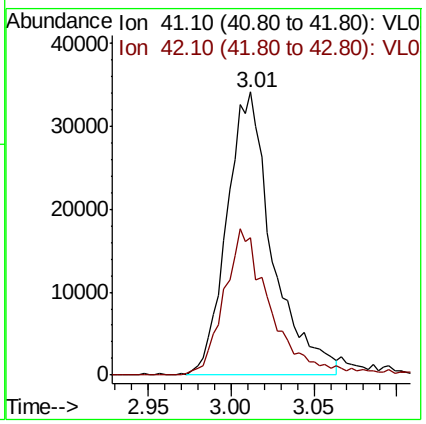


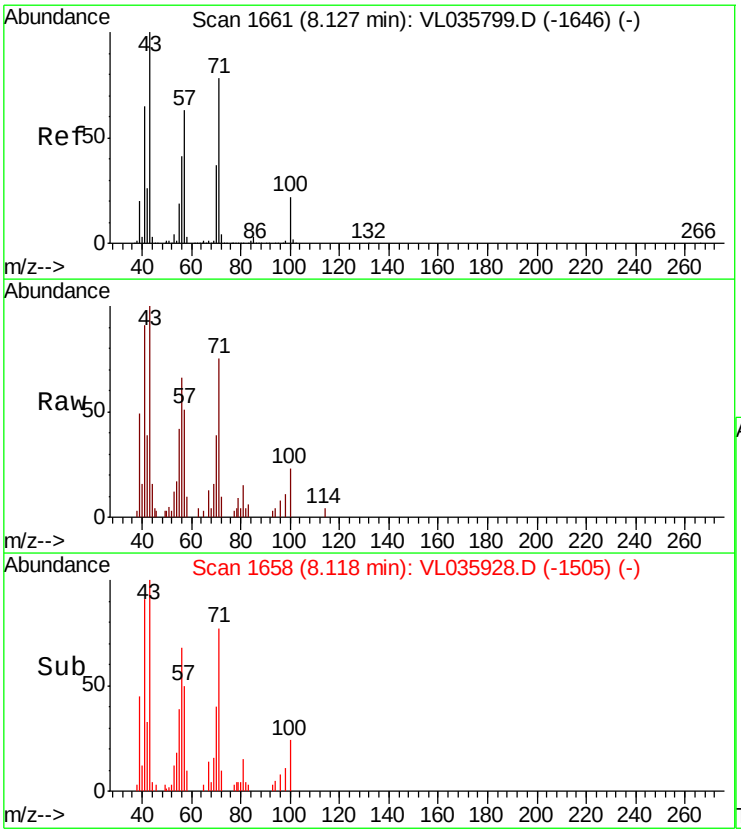
#9
Propene
Concen: 1.317 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 41 Resp: 65135

Ion	Ratio	Lower	Upper
41	100		
42	53.2	56.2	84.4#

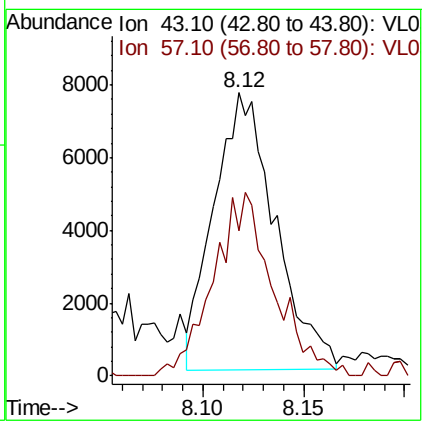


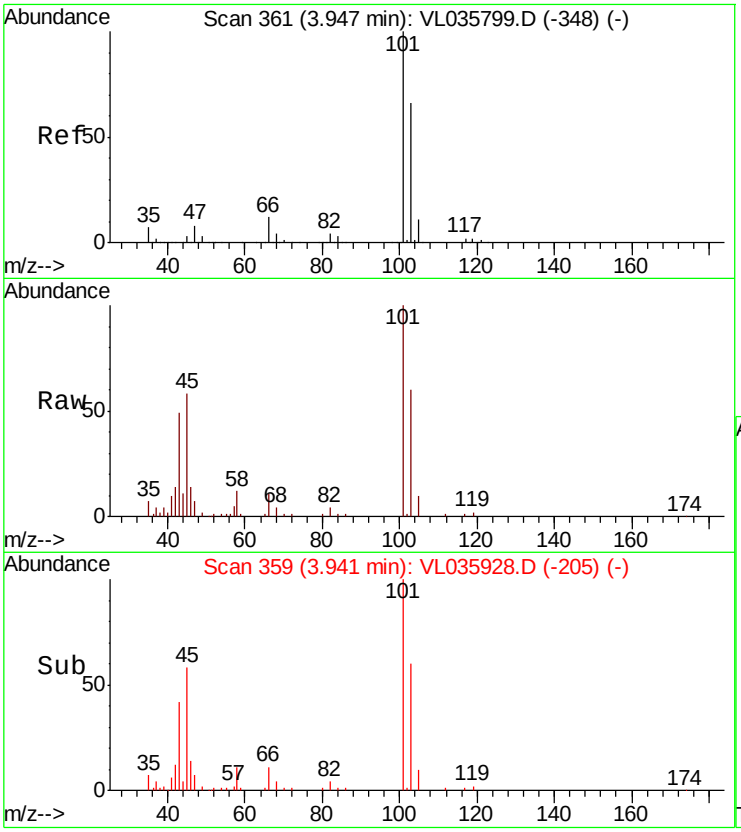


#10
Heptane
Concen: 0.119 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 43 Resp: 16205

Ion	Ratio	Lower	Upper
43	100		
57	64.5	50.0	75.0



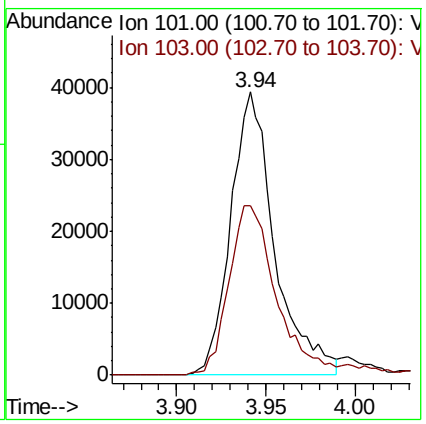


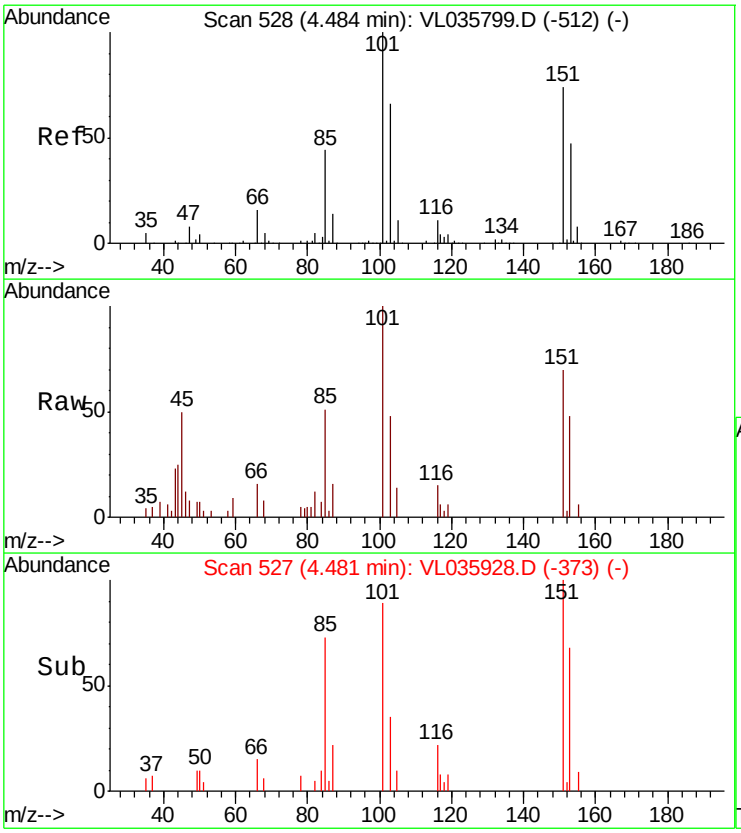
#11
Trichlorofluoromethane
Concen: 0.254 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:101 Resp: 67651

Ion	Ratio	Lower	Upper
101	100		
103	60.1	53.0	79.4

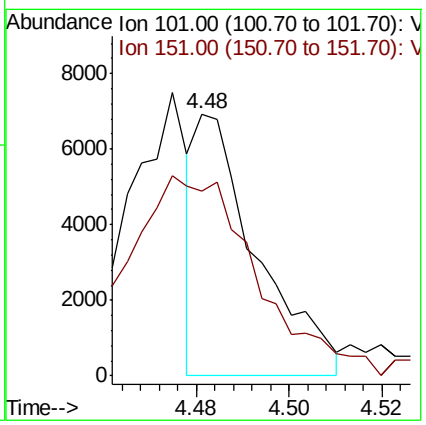


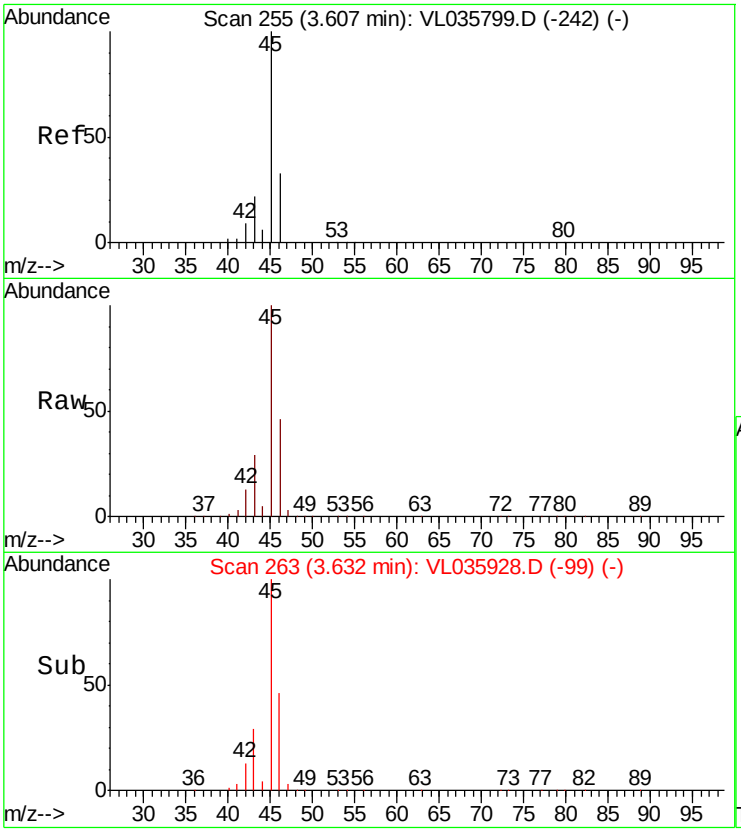


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.032 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion:101 Resp: 6343

Ion	Ratio	Lower	Upper
101	100		
151	0.0	58.9	88.3#



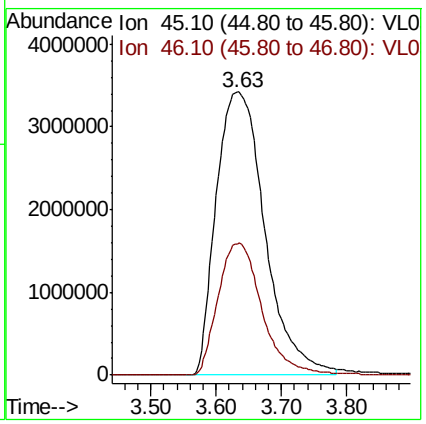


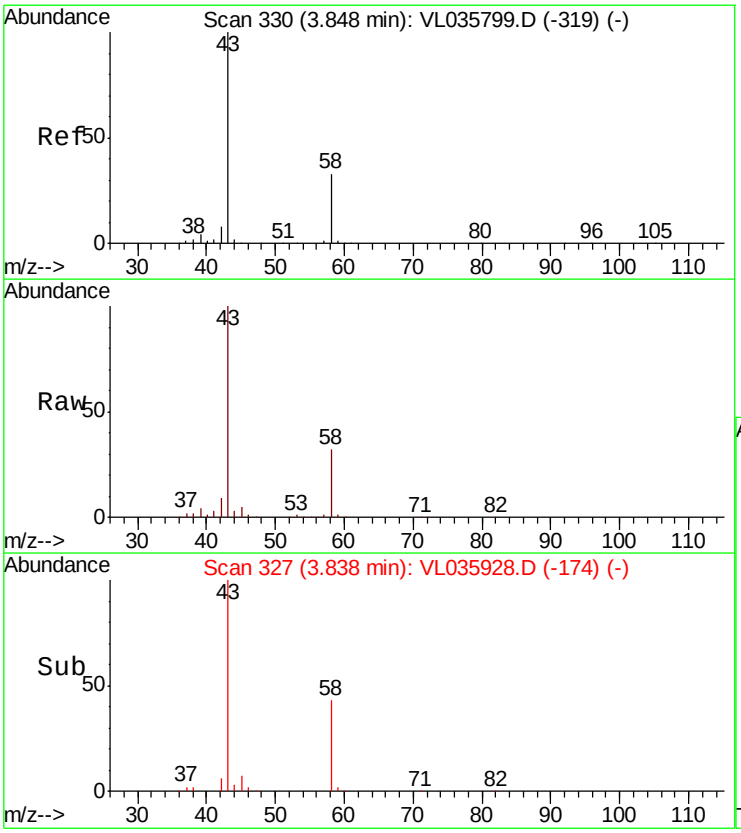
#13
Ethanol
Concen: 1653.981 ppbv
RT: 3.63 min Scan# 263
Delta R.T. 0.03 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 45 Resp:17746254

Ion	Ratio	Lower	Upper
45	100		
46	42.5	16.1	64.5

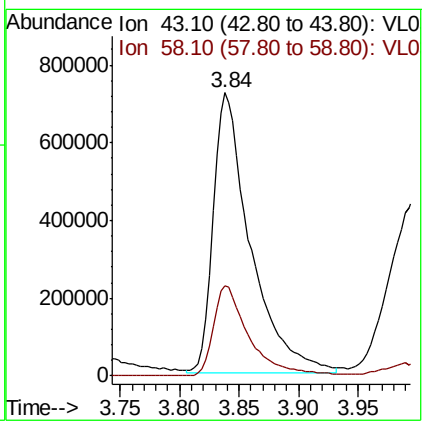


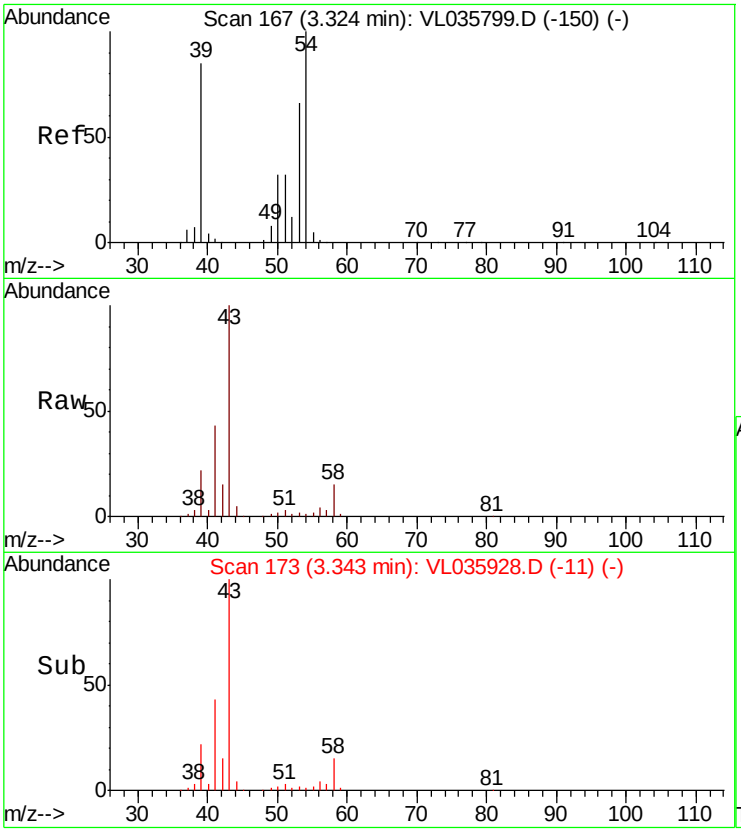


#15
Acetone
Concen: 12.945 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 43 Resp: 1561546

Ion	Ratio	Lower	Upper
43	100		
58	30.8	27.5	41.3



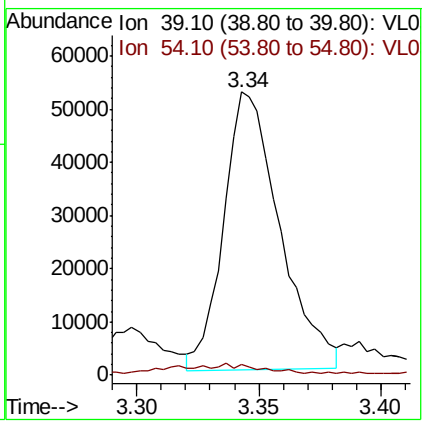


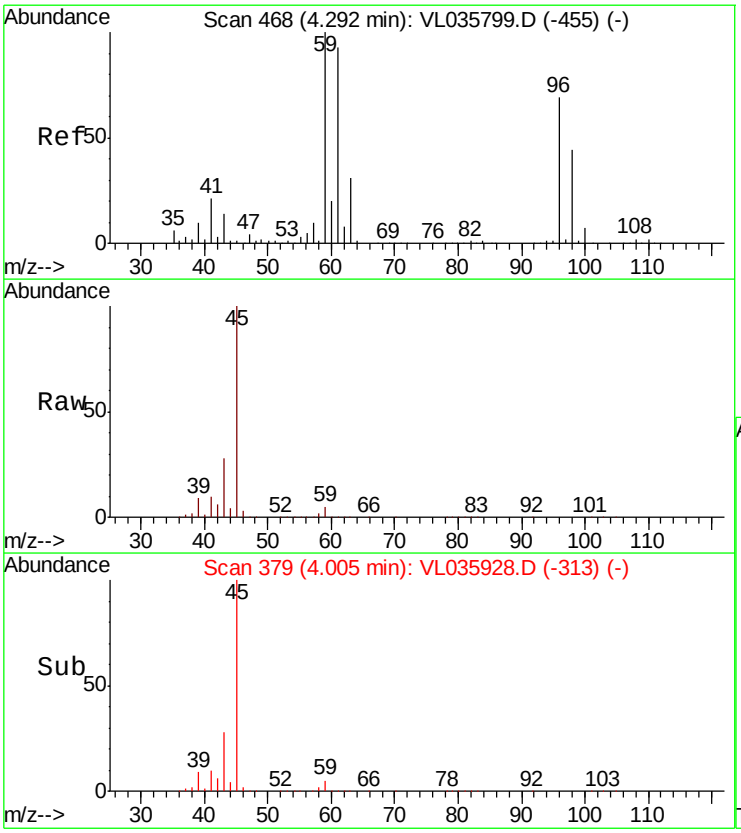
#16
1,3-Butadiene
Concen: 1.616 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.02 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 39 Resp: 83905

Ion	Ratio	Lower	Upper
39	100		
54	8.5	87.1	130.7#

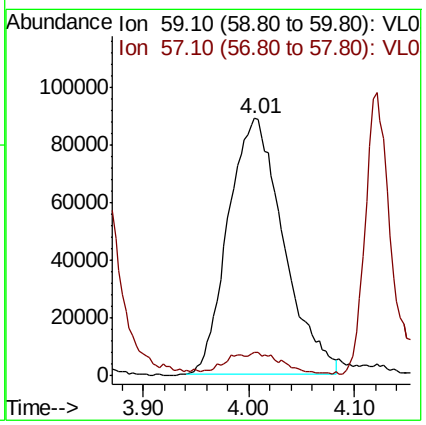


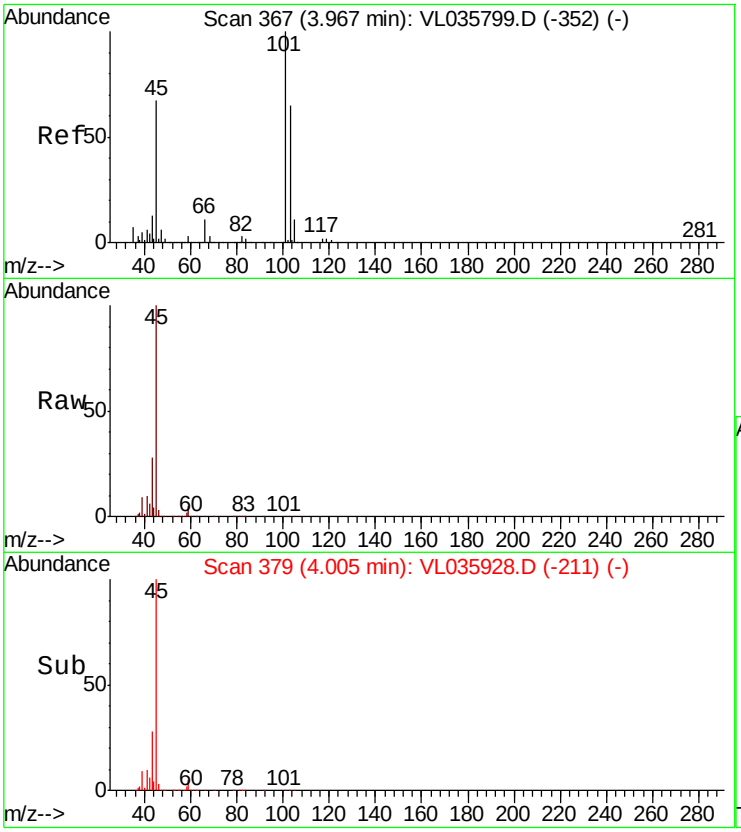


#17
tert-Butyl alcohol
Concen: 2.026 ppbv
RT: 4.01 min Scan# 379
Delta R.T. -0.29 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 59 Resp: 323964

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4



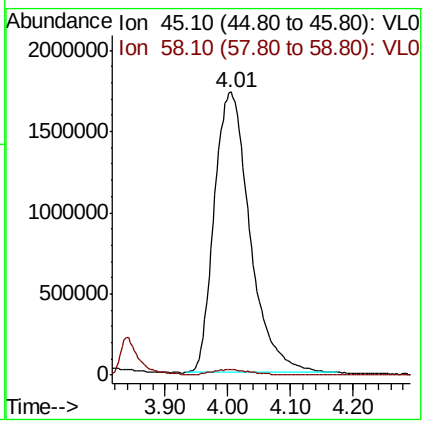


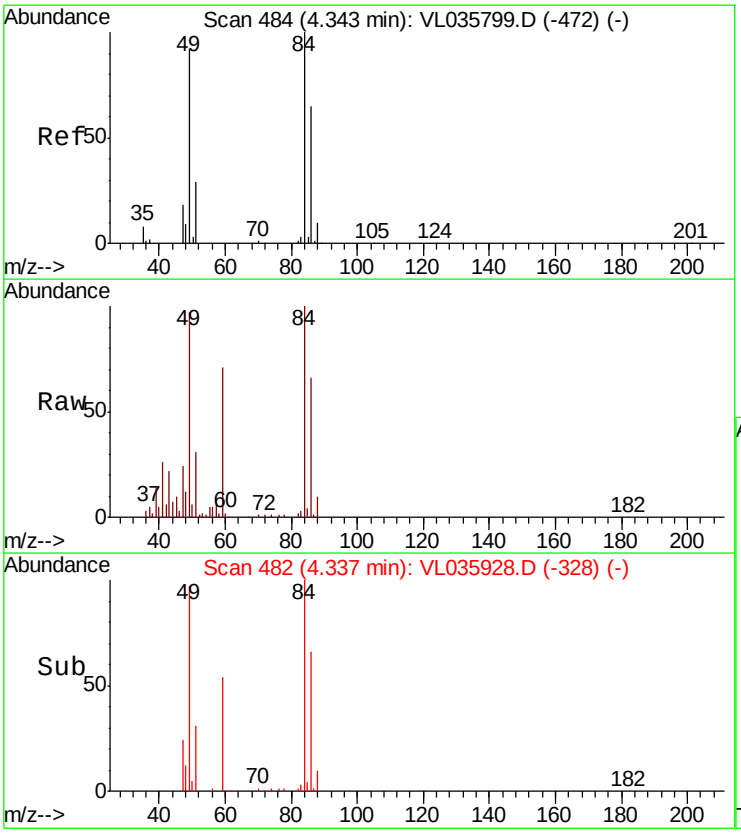
#19
Isopropyl Alcohol
Concen: 92.191 ppbv
RT: 4.01 min Scan# 379
Delta R.T. 0.04 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 45 Resp: 6834275

Ion	Ratio	Lower	Upper
45	100		
58	2.3	2.6	3.8#

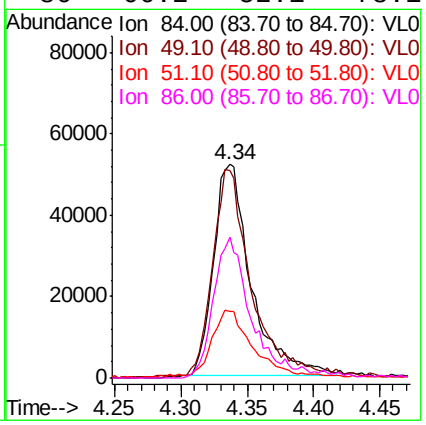


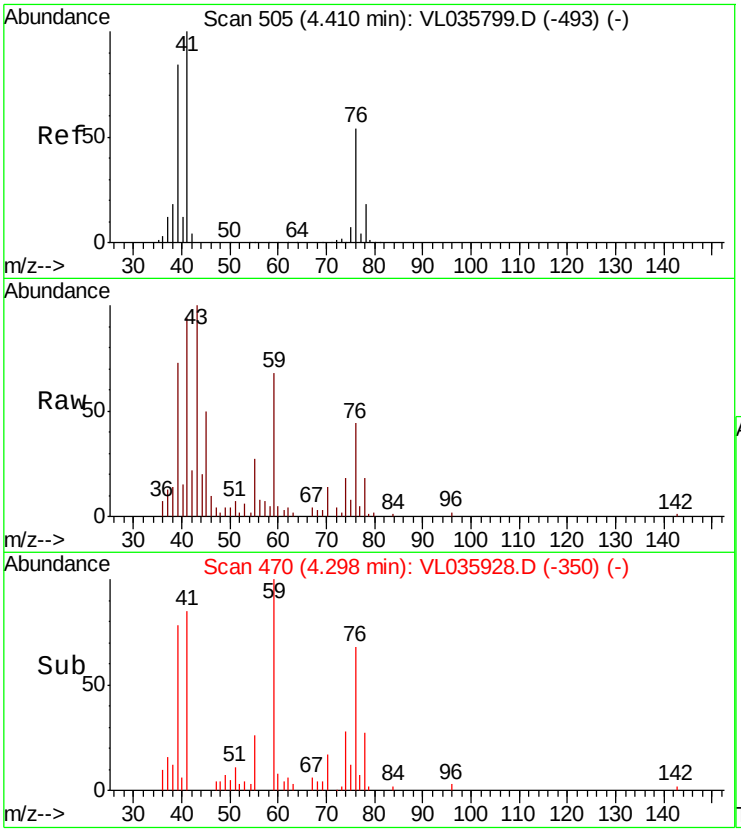


#20
Methylene Chloride
Concen: 1.207 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 84 Resp: 102538

Ion	Ratio	Lower	Upper
84	100		
49	97.1	73.8	110.8
51	30.6	23.0	34.4
86	66.2	52.1	78.1



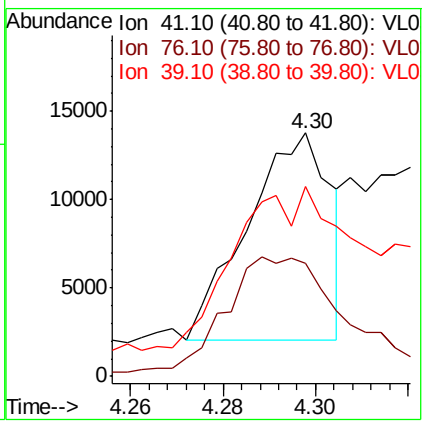


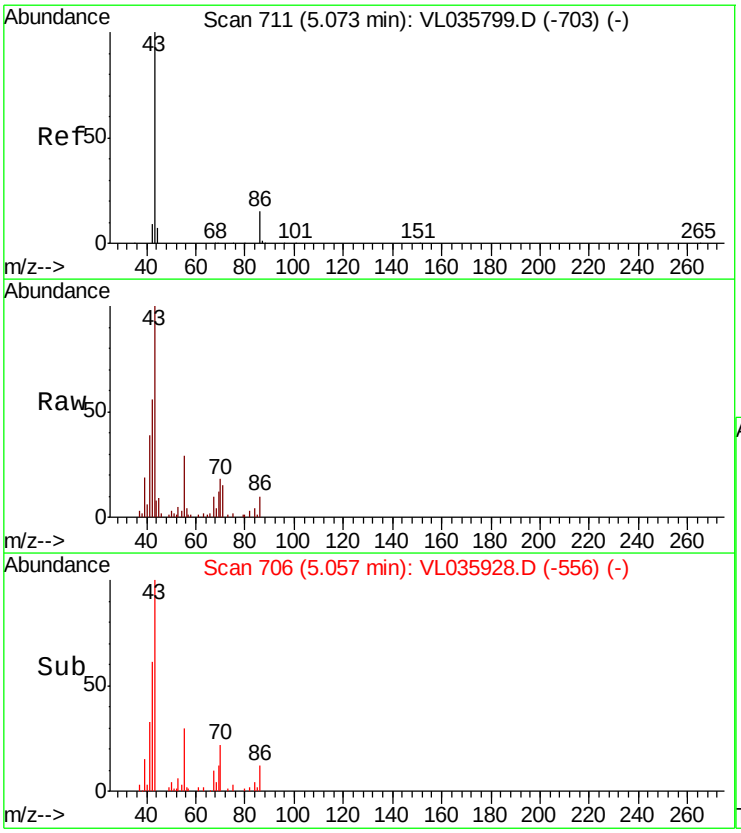
#21
Allvl Chloride
Concen: 0.224 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.11 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 41 Resp: 14621

Ion	Ratio	Lower	Upper
41	100		
76	93.0	42.6	63.8#
39	192.3	67.0	100.4#

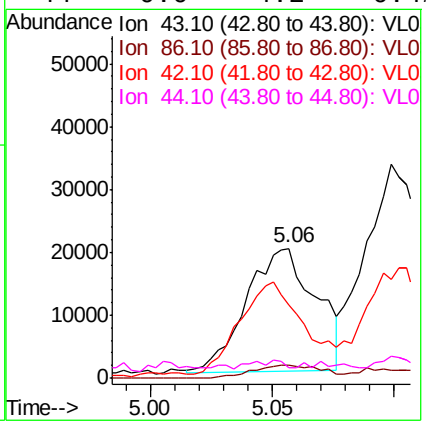


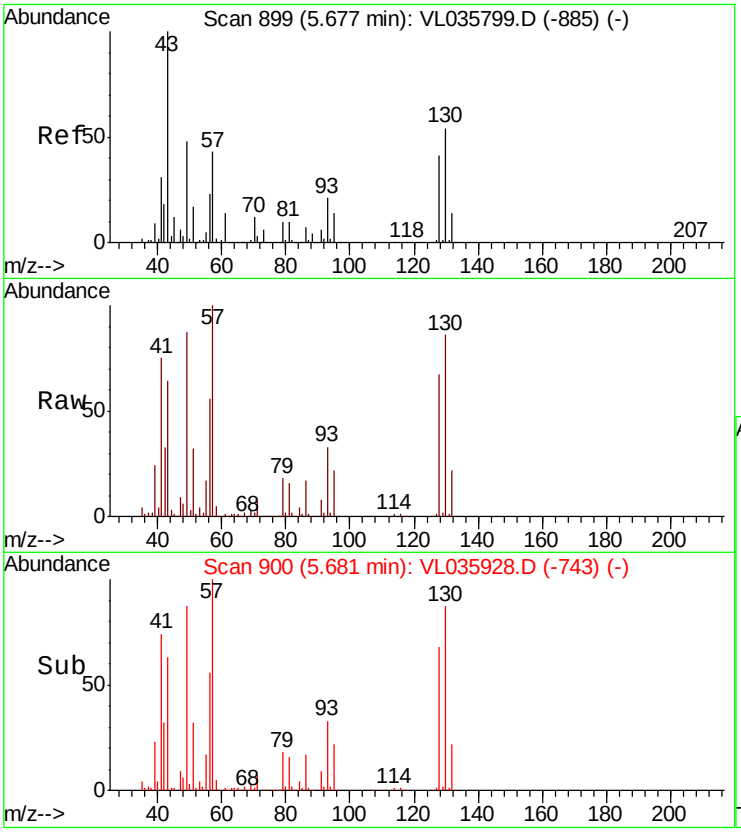


#23
Vinyl Acetate
Concen: 0.231 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.02 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 43 Resp: 39041

Ion	Ratio	Lower	Upper
43	100		
86	10.2	9.8	14.6
42	55.7	8.1	12.1#
44	0.0	4.2	6.4#



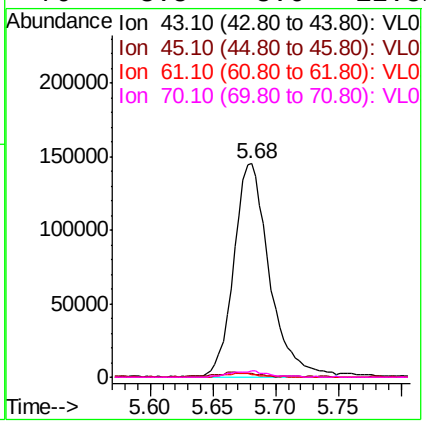


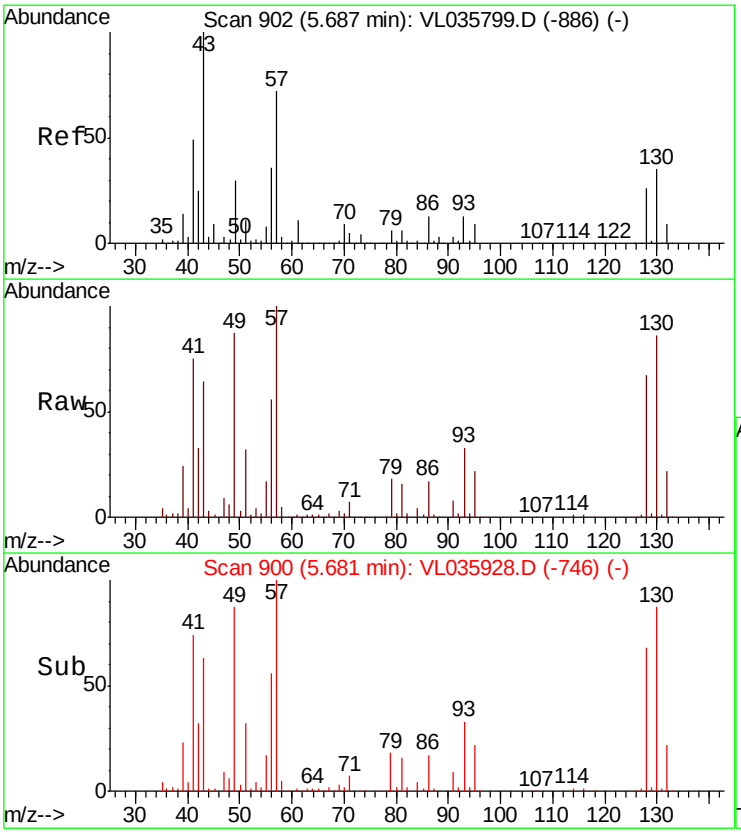
#25
Ethyl Acetate
Concen: 1.204 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 43 Resp: 286009

Ion	Ratio	Lower	Upper
43	100		
45	2.4	8.5	12.7#
61	1.9	10.7	16.1#
70	3.5	8.6	12.8#

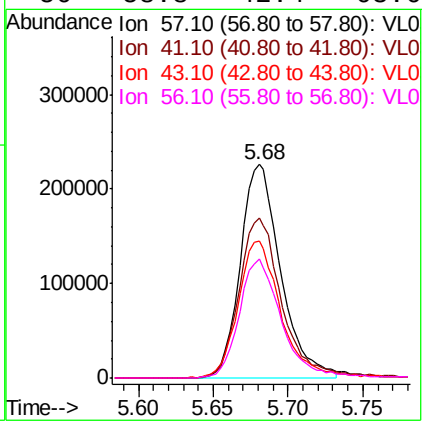


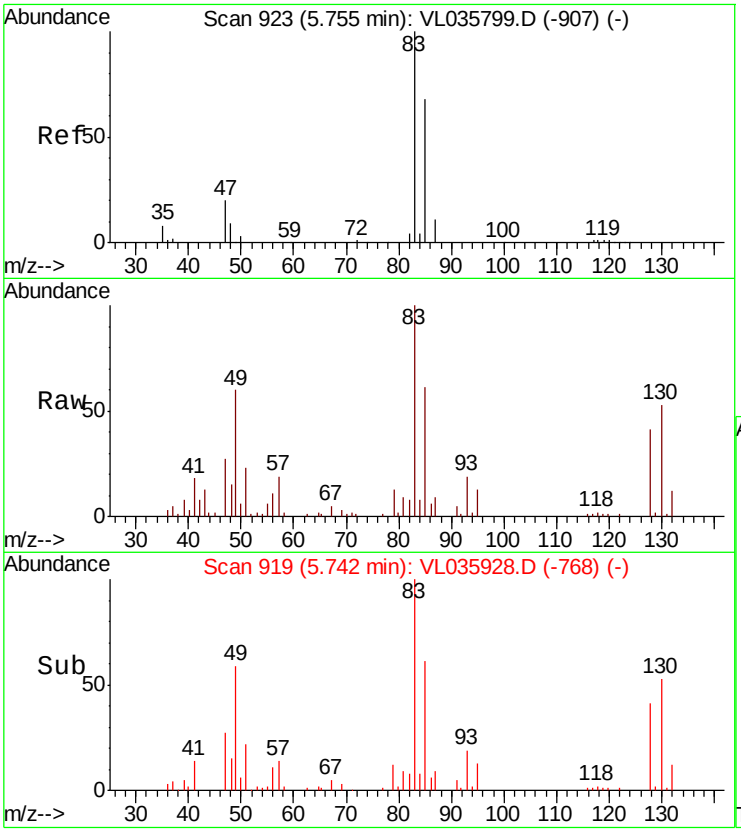


#26
Hexane
Concen: 3.240 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 57 Resp: 424584

Ion	Ratio	Lower	Upper
57	100		
41	81.2	58.9	88.3
43	67.9	150.2	225.2#
56	58.8	42.4	63.6



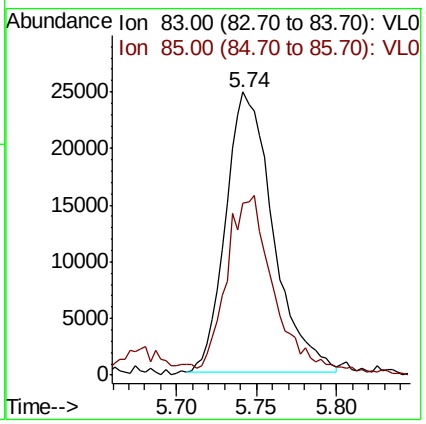


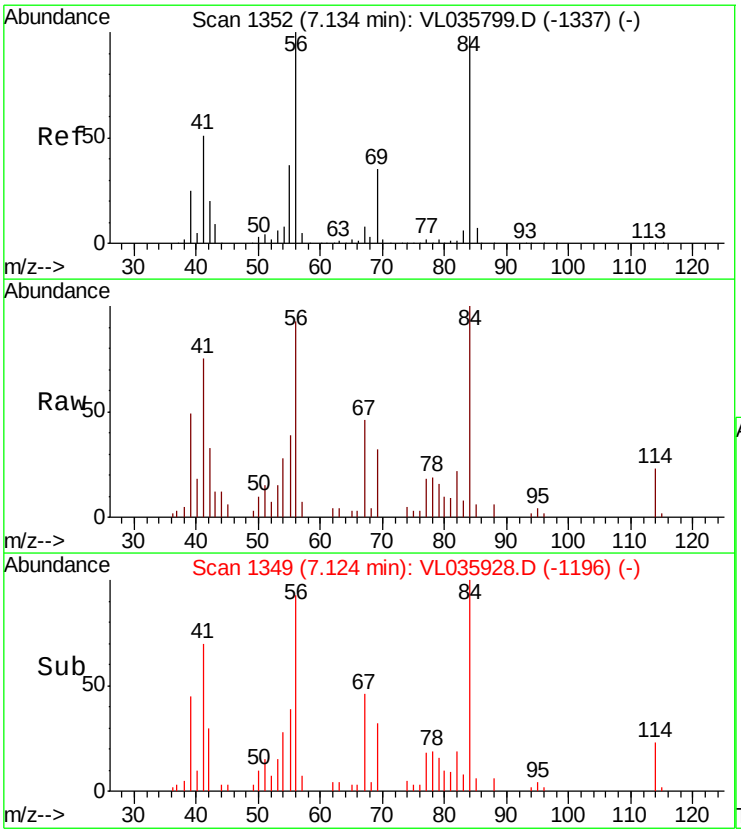
#29
Chloroform
Concen: 0.195 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 83 Resp: 50197

Ion	Ratio	Lower	Upper
83	100		
85	58.6	54.6	81.8

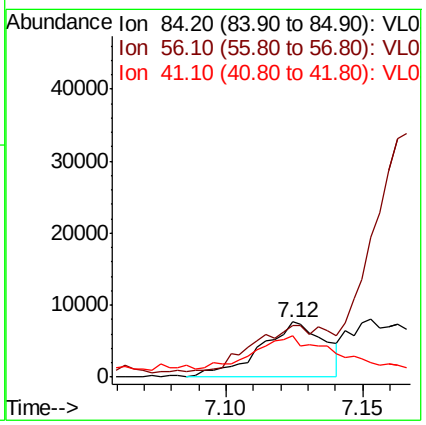


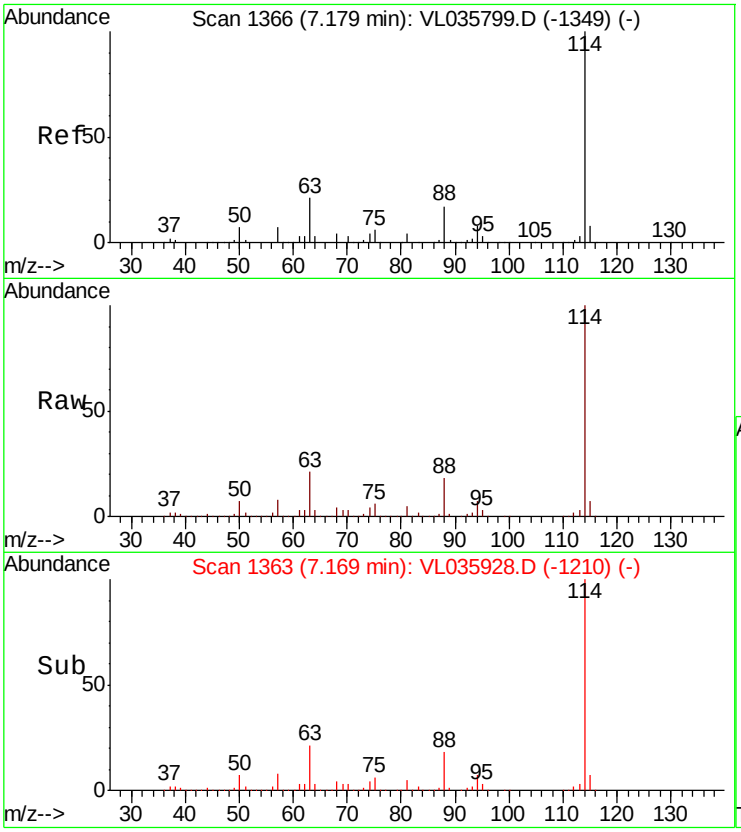


#30
Cyclohexane
Concen: 0.088 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 84 Resp: 12594

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	104.6	42.1	63.1#



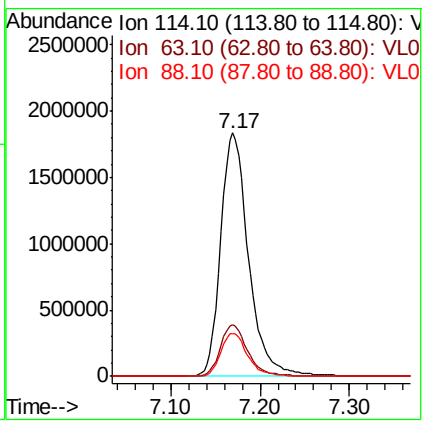


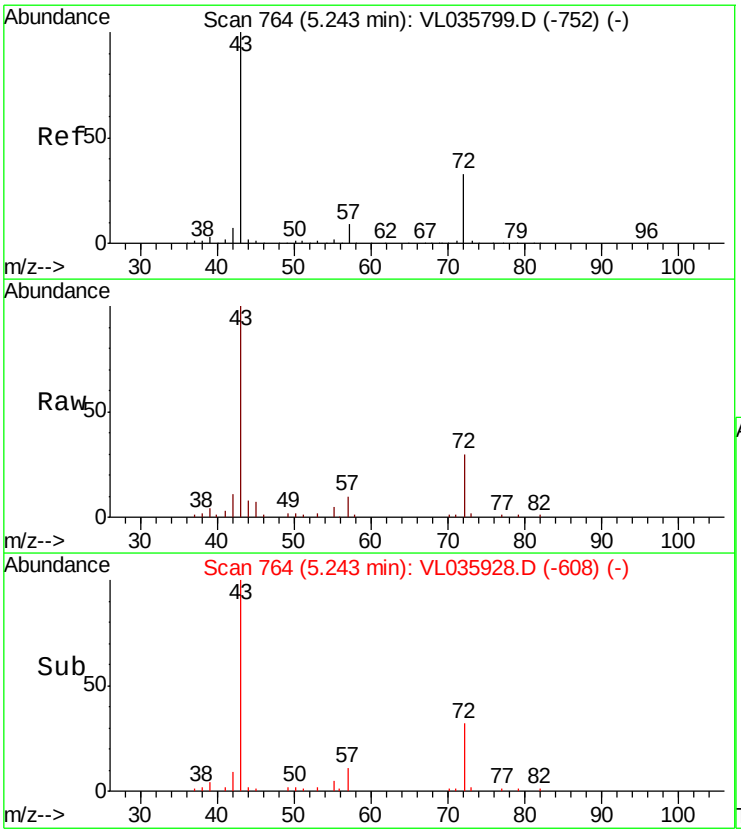
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:114 Resp: 3977789

Ion	Ratio	Lower	Upper
114	100		
63	20.9	16.1	24.1
88	17.4	13.7	20.5

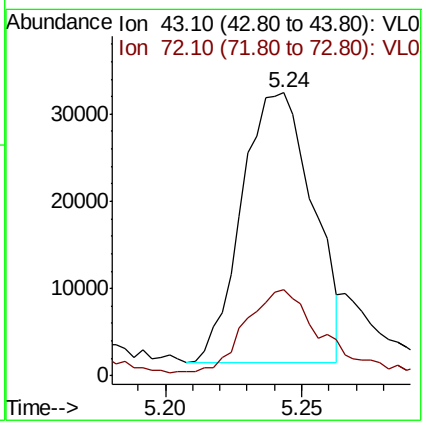


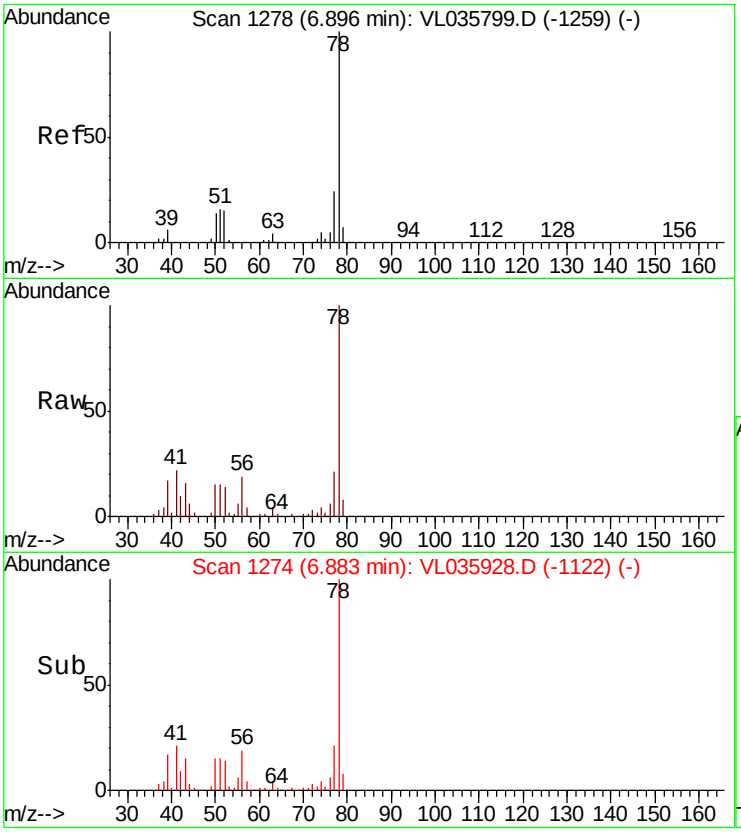


#34
2-Butanone
Concen: 0.433 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.00 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 43 Resp: 55923

Ion	Ratio	Lower	Upper
43	100		
72	37.9	26.5	39.7



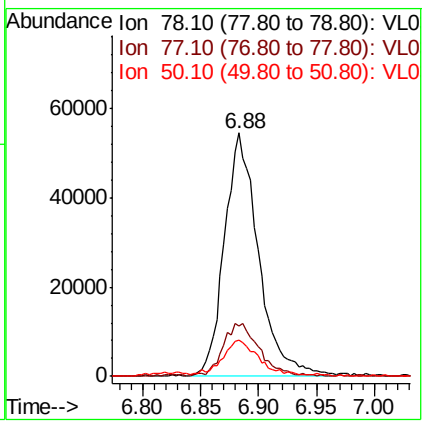


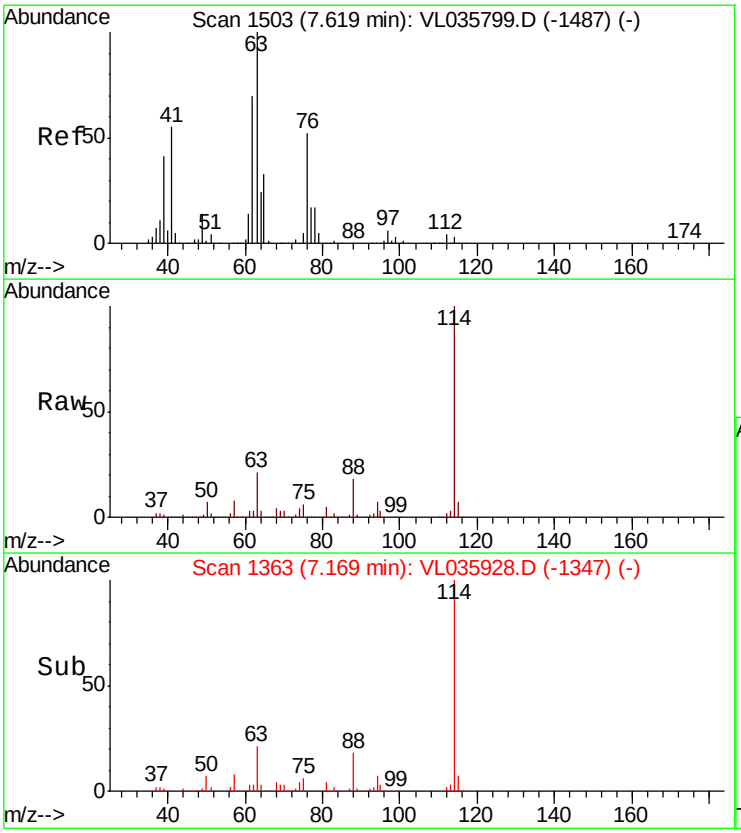
#36
Benzene
Concen: 0.372 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 78 Resp: 109965

Ion	Ratio	Lower	Upper
78	100		
77	20.5	19.3	28.9
50	14.4	11.4	17.2

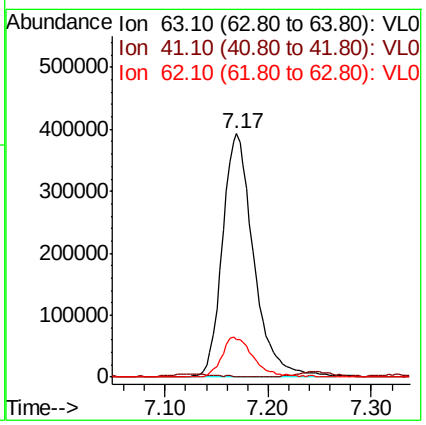


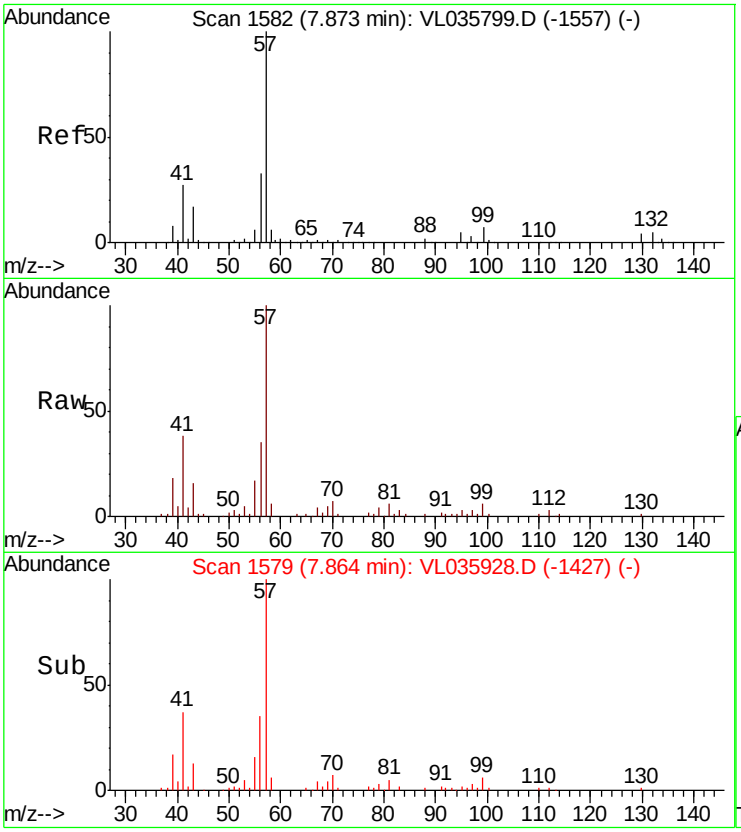


#39
1,2-Dichloropropane
Concen: 8.293 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 63 Resp: 825682

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	15.6	56.2	84.2#



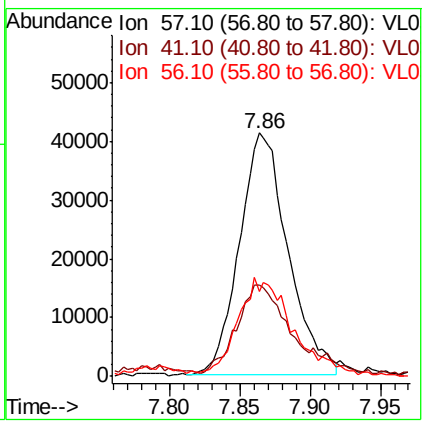


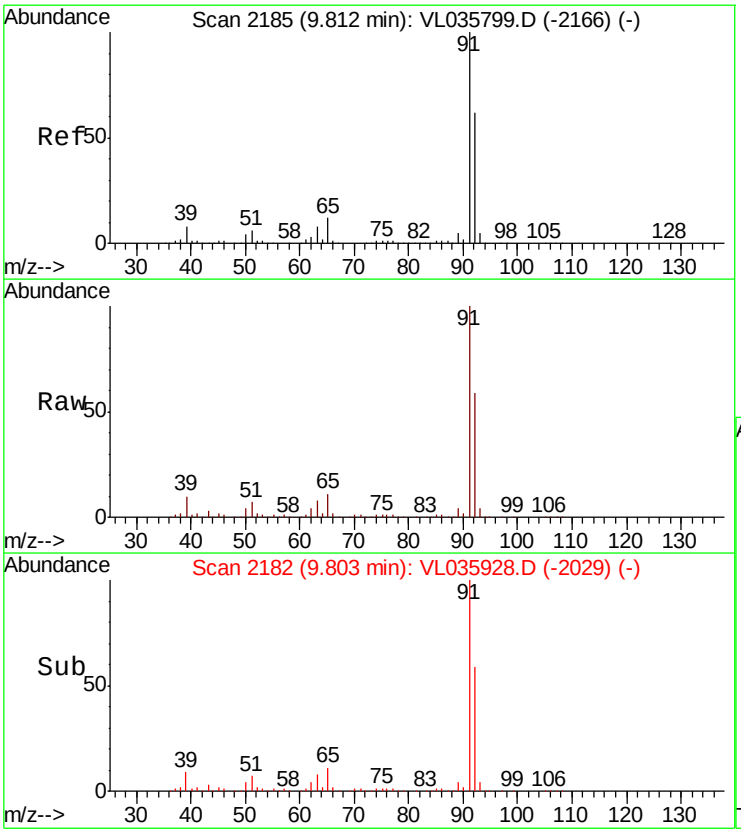
#44
2,2,4-Trimethylpentane
Concen: 0.254 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 57 Resp: 99204

Ion	Ratio	Lower	Upper
57	100		
41	41.6	21.0	31.4#
56	45.2	25.4	38.0#

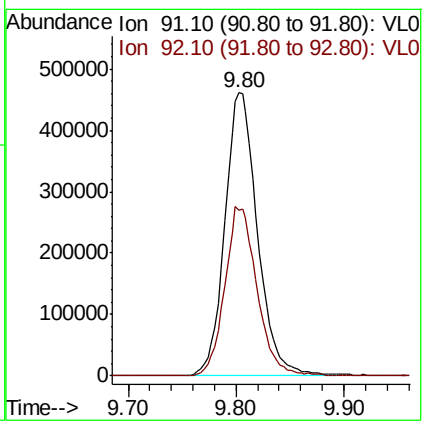


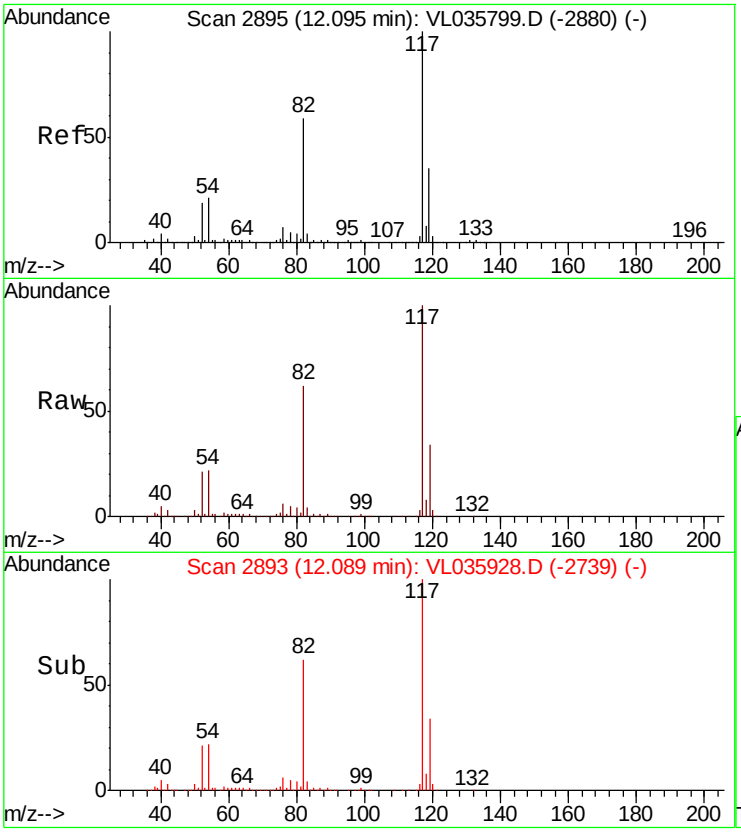


#53
Toluene
Concen: 2.699 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 91 Resp: 962907

Ion	Ratio	Lower	Upper
91	100		
92	59.9	49.8	74.6



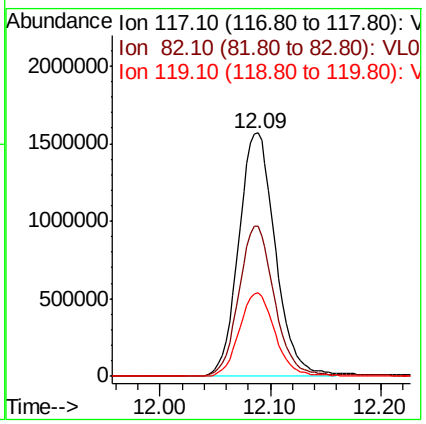


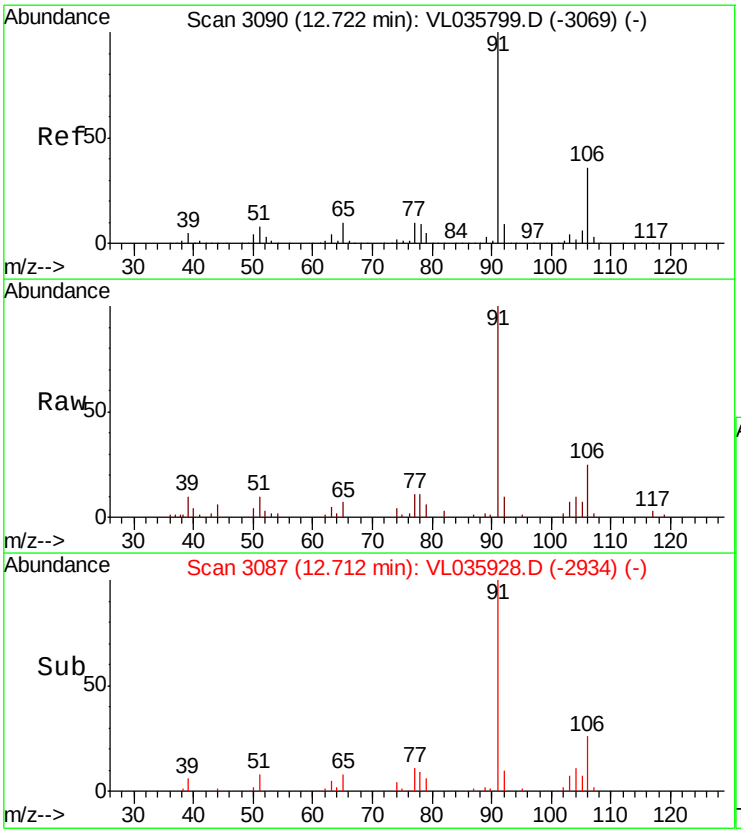
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:117 Resp: 3608401

Ion	Ratio	Lower	Upper
117	100		
82	61.4	50.6	76.0
119	33.8	52.6	78.8#

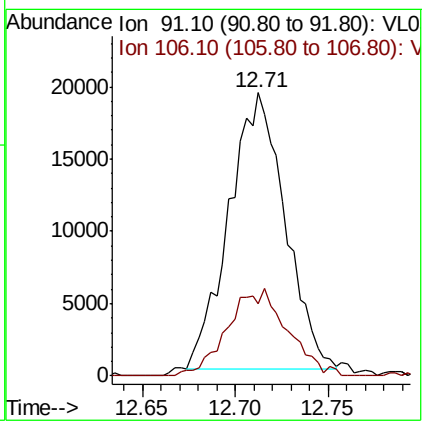


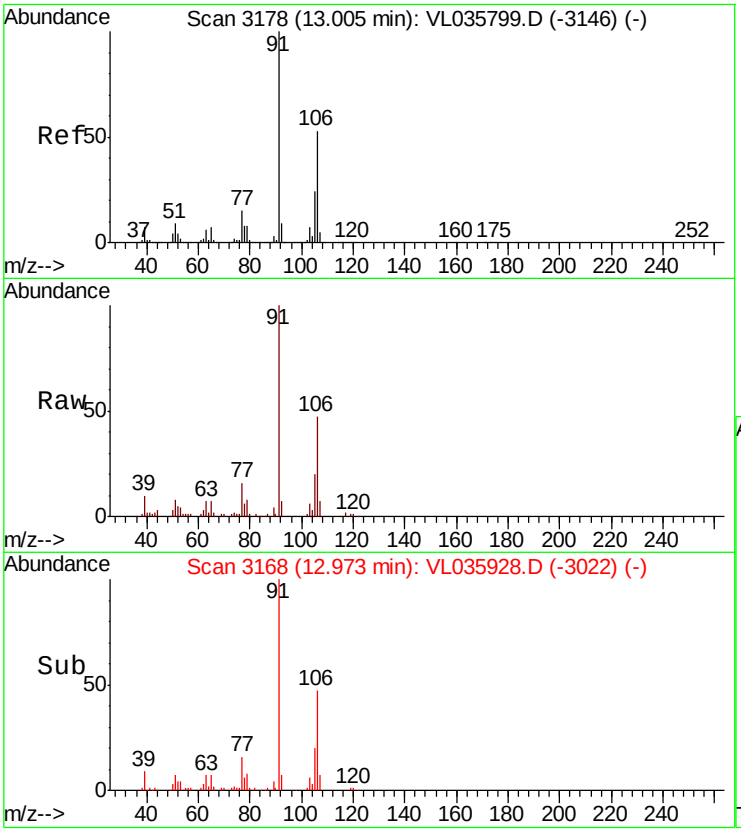


#58
Ethyl Benzene
Concen: 0.092 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 91 Resp: 40349

Ion	Ratio	Lower	Upper
91	100		
106	24.0	28.6	43.0#



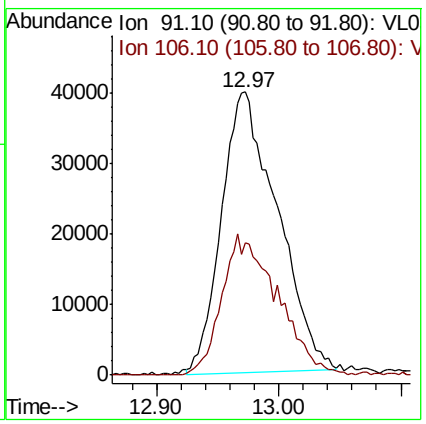


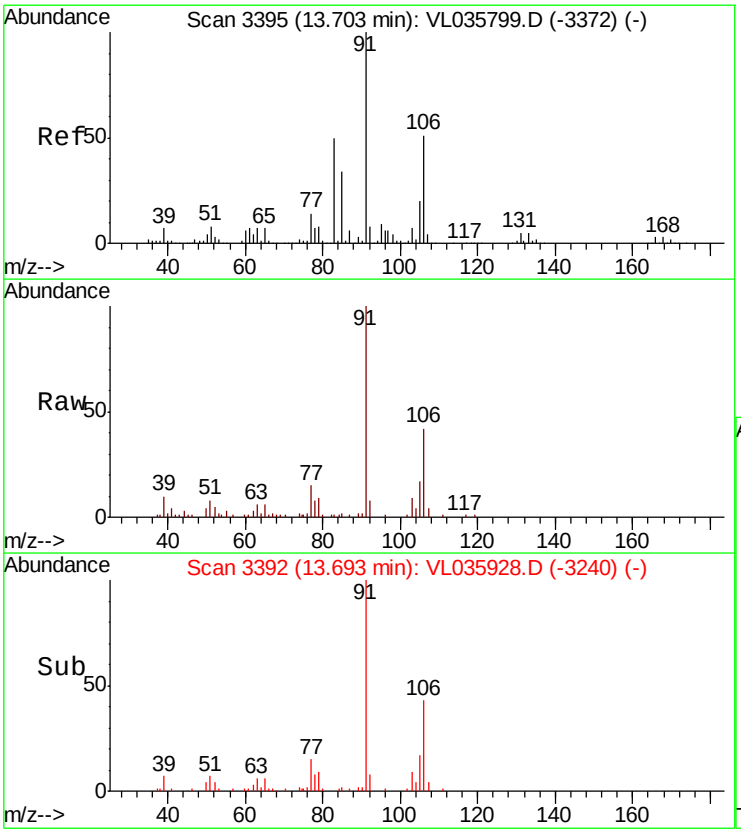
#59
m/p-Xylene
Concen: 0.341 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion: 91 Resp: 126829

Ion	Ratio	Lower	Upper
91	100		
106	50.0	39.5	59.3

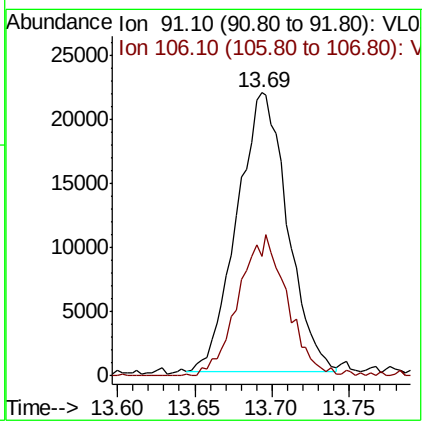


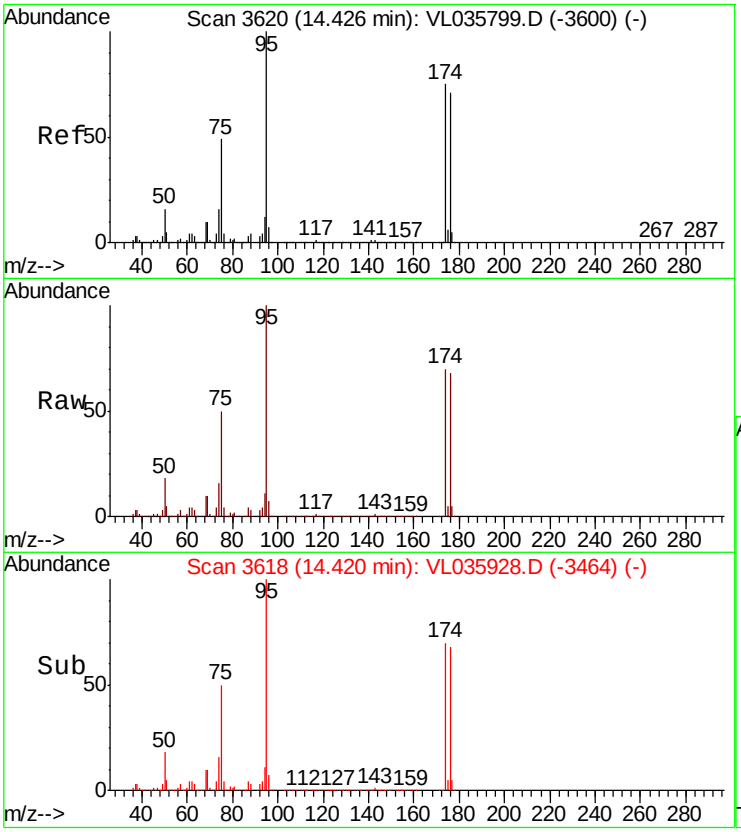


#60
o-Xylene
Concen: 0.138 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion: 91 Resp: 49762

Ion	Ratio	Lower	Upper
91	100		
106	48.3	24.8	74.4



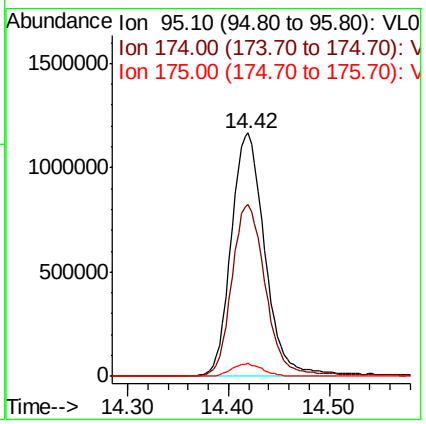


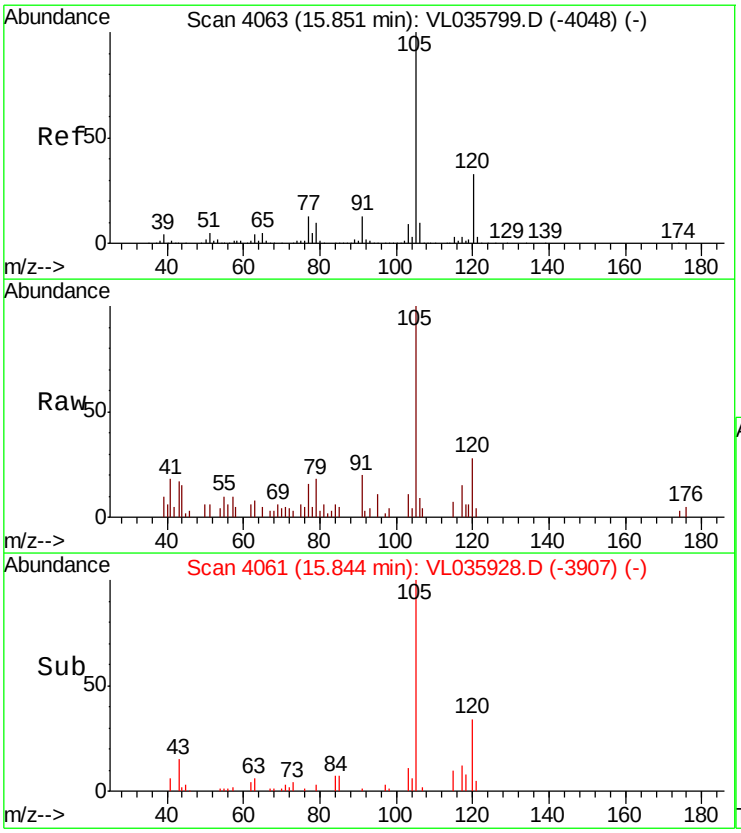
#68
1-Bromo-4-Fluorobenzene
Concen: 10.544 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 95 Resp: 2703207

Ion	Ratio	Lower	Upper
95	100		
174	72.1	59.8	89.6
175	5.1	4.3	6.5

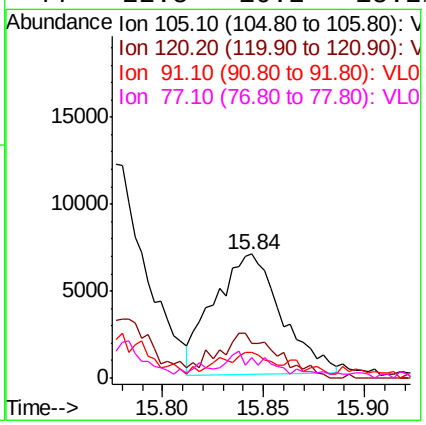


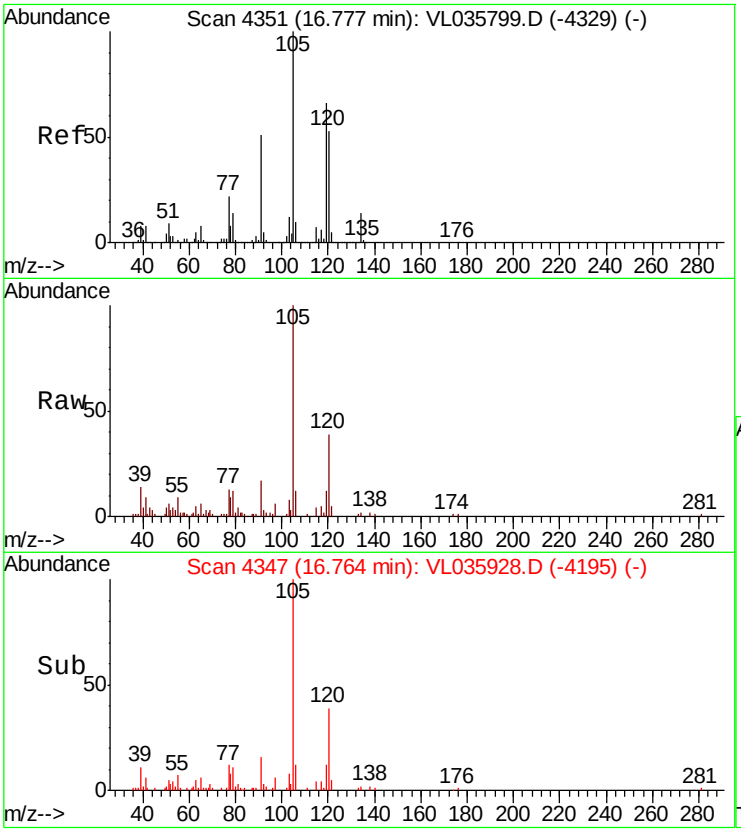


#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 15.84 min Scan# 4061
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion:105 Resp: 16010

Ion	Ratio	Lower	Upper
105	100		
120	35.4	25.9	38.9
91	27.0	9.9	14.9#
77	22.5	10.2	15.2#



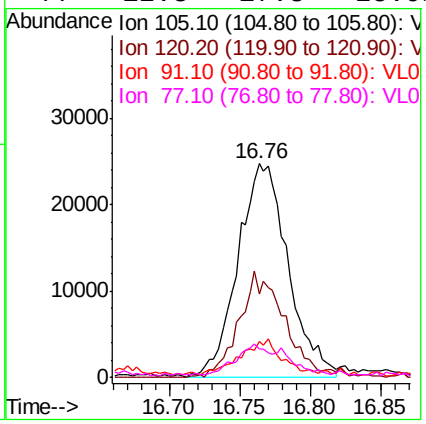


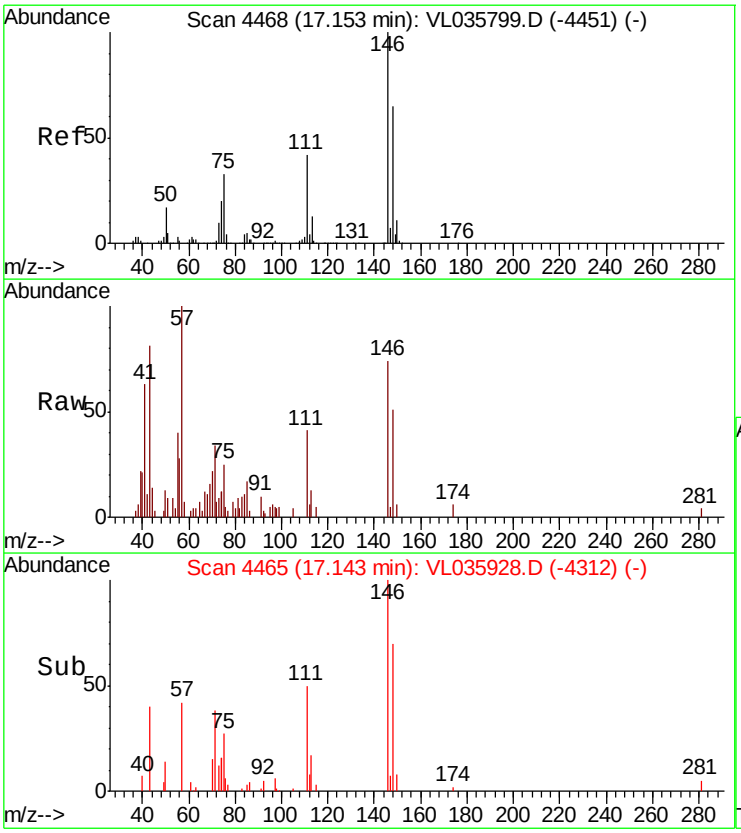
#74
1,2,4-Trimethylbenzene
Concen: 0.143 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Instrument : MSVOA_L
ClientSampleId : BFB

Tgt Ion:105 Resp: 61590

Ion	Ratio	Lower	Upper
105	100		
120	39.1	42.0	63.0#
91	14.9	41.0	61.6#
77	12.3	17.3	25.9#





#76
1,4-Dichlorobenzene
Concen: 0.031 ppbv
RT: 17.14 min Scan# 4465
Delta R.T. -0.01 min
Lab File: VL035928.D
Acq: 13 Nov 2020 00:38

Tgt Ion:146 Resp: 8160

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.3	63.7#
148	99.0	33.0	99.0#