Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033014.D
Acq On : 18 Dec 2018 3:08
Operator : SY/AP
Sample : J6444-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 18 09:18:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1130301	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2690486	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2539946	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2147248	11.44	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 114.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	92271	0.612	ppbv		99
3) Chlorodifluoromethane	3.02	51	74806	0.874	ppbv	#	88
4) Chloromethane	3.18	50	33467	0.672	ppbv	#	87
9) Propene	3.25	41	283826	8.385	ppbv		93
10) Heptane	8.25	43	22332	0.176	ppbv	#	78
11) Trichlorofluoromethane	4.01	101	41169	0.290	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.56	101	6768	0.056	ppbv	#	78
13) Ethanol	3.66	45	397055	34.070	ppbv		97
15) Acetone	3.91	43	845055	8.710	ppbv		96
16) 1,3-Butadiene	3.35	39	32309	0.839	ppbv	#	33
17) tert-Butyl alcohol	4.37	59	998	0.040	ppbv	#	98
19) Isopropyl Alcohol	4.05	45	61236	1.005	ppbv	#	77
20) Methylene Chloride	4.42	84	127645	2.692	ppbv		95
21) Allyl Chloride	4.44	41	3669	0.046	ppbv	#	1
23) Vinyl Acetate	5.15	43	36928	0.225	ppbv	#	1
25) Ethyl Acetate	5.79	43	155771	0.680	ppbv	#	85
26) Hexane	5.79	57	183922	1.738	ppbv	#	49
27) Carbon Disulfide	4.63	76	17528	0.132	ppbv	#	79
29) Chloroform	5.86	83	6725	0.036	ppbv		94
30) Cyclohexane	7.25	84	4845	0.055	ppbv	#	1
34) 2-Butanone	5.34	43	46540	0.397	ppbv		100
35) Carbon Tetrachloride	7.14	117	13473	0.064	ppbv		88
36) Benzene	7.01	78	148119	0.748	ppbv	#	94
39) 1,2-Dichloropropane	7.30	63	653620	8.709	ppbv	#	21
44) 2,2,4-Trimethylpentane	8.00	57	100189	0.298	ppbv	#	81
53) Toluene	9.96	91	14598794	69.559	ppbv		92
58) Ethyl Benzene	12.88	91	23828	0.088	ppbv		99
59) m/p-Xylene	13.13	91	154579	0.629	ppbv	#	100
60) o-Xylene	13.85	91	31852	0.128	ppbv	#	46
72) 4-Ethyltoluene	16.01	105	10406	0.038	ppbv	#	53
73) 1,3,5-Trimethylbenzene	16.16	105	9388	0.035	ppbv	#	73

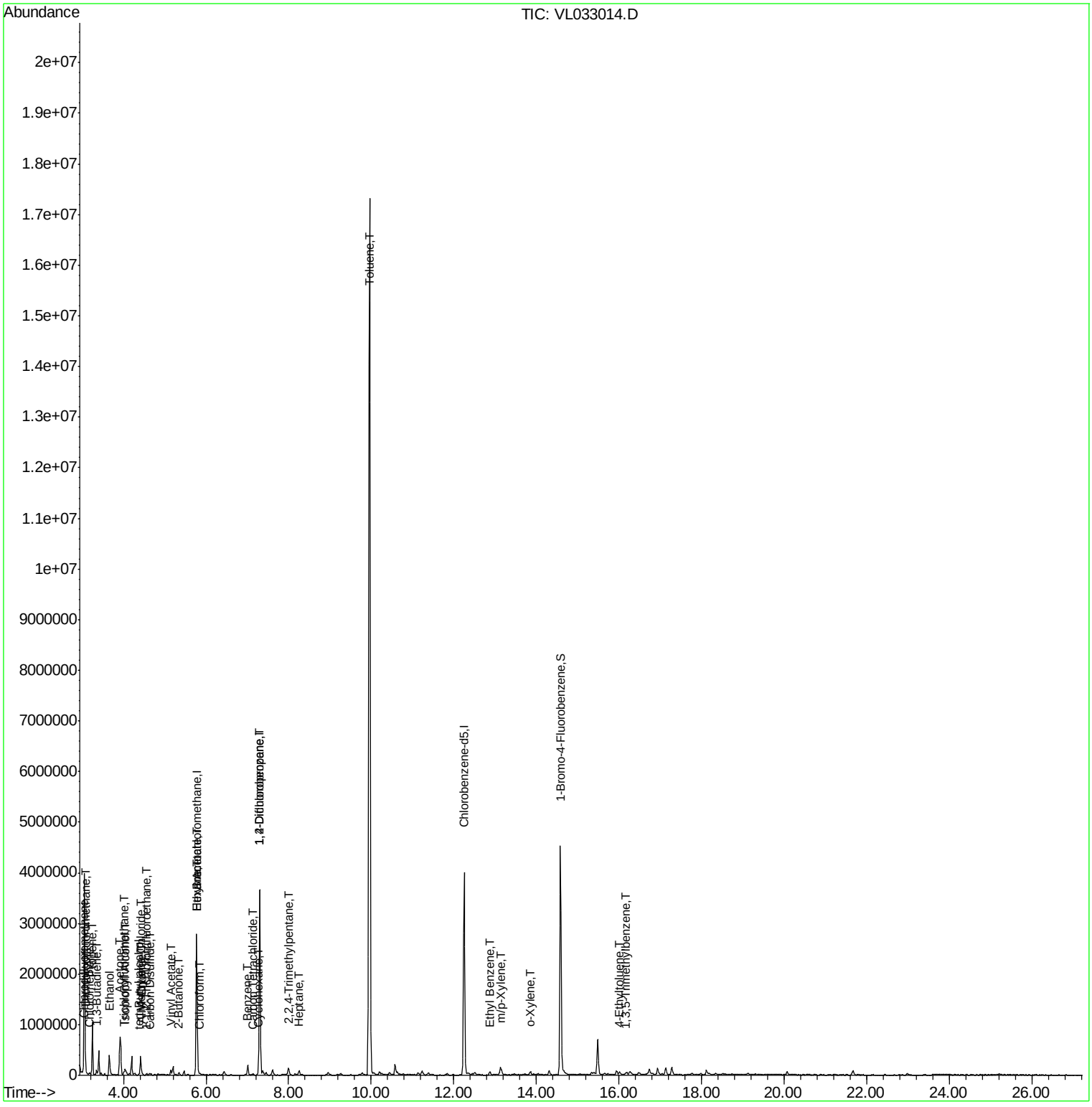
(#) = qualifier out of range (m) = manual integration (+) = signals summed

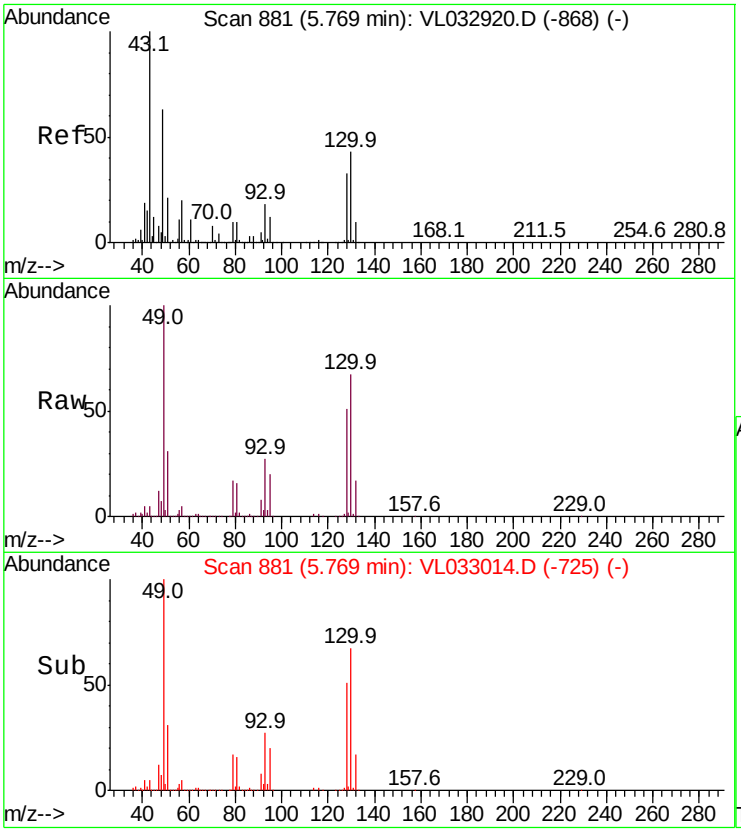
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033014.D
Acq On : 18 Dec 2018 3:08
Operator : SY/AP
Sample : J6444-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 09:18:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



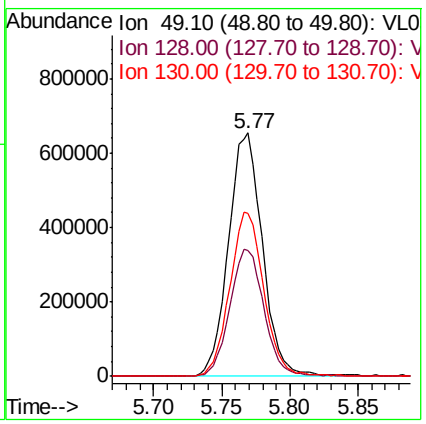


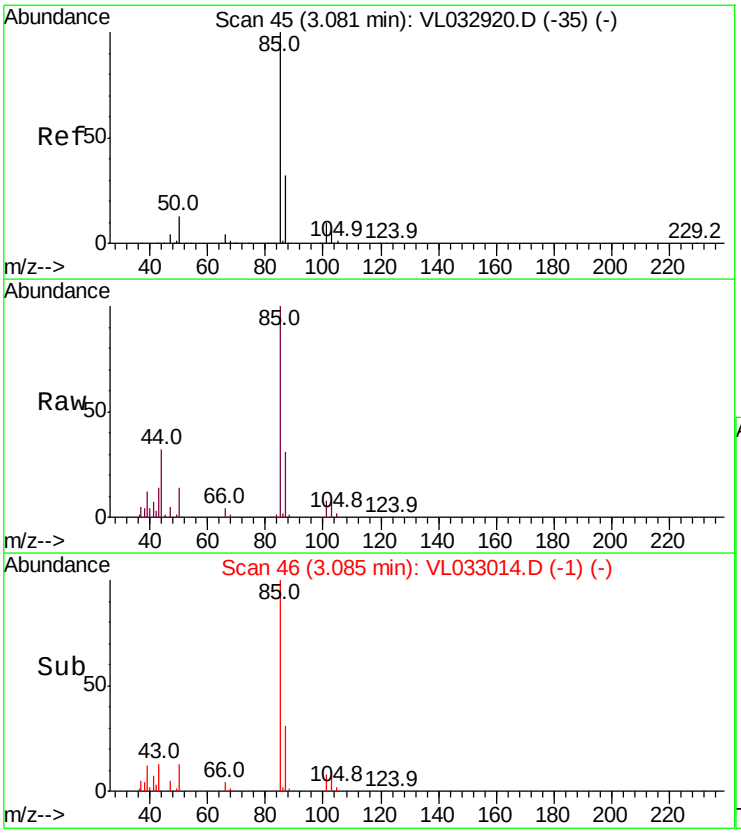
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1130301

Ion	Ratio	Lower	Upper
49	100		
128	52.6	26.3	78.8
130	68.1	33.9	101.7

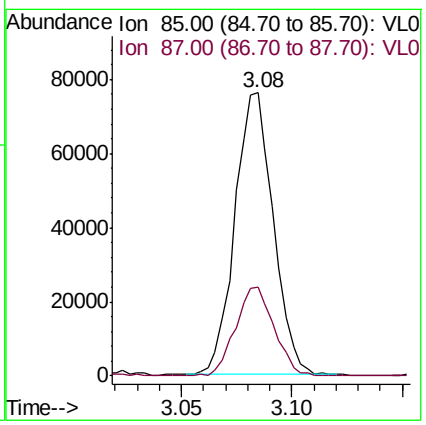


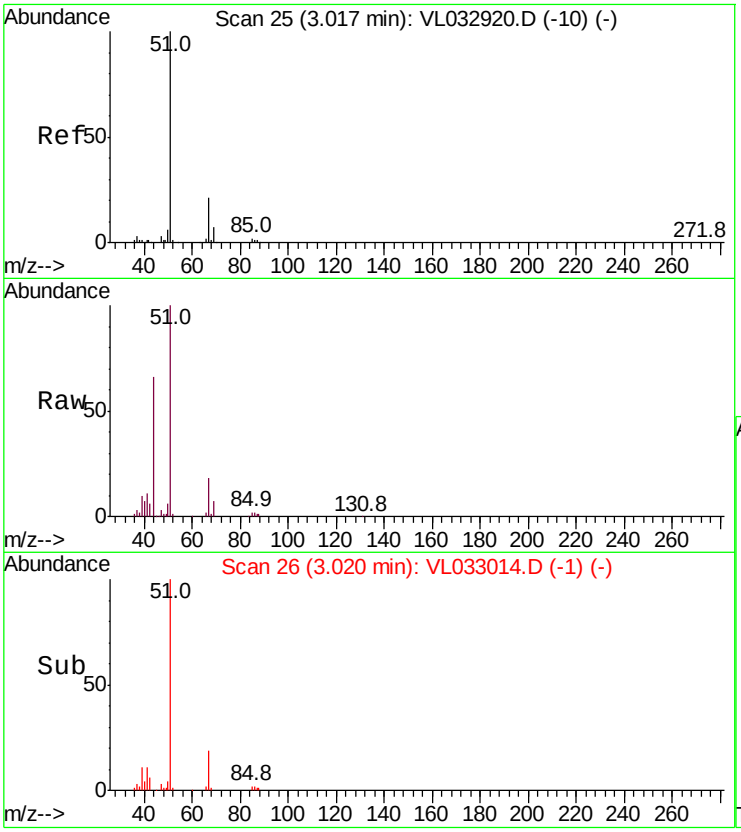


#2
Dichlorodifluoromethane
Concen: 0.612 ppbv
RT: 3.08 min Scan# 46
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 85 Resp: 92271

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.7	38.5



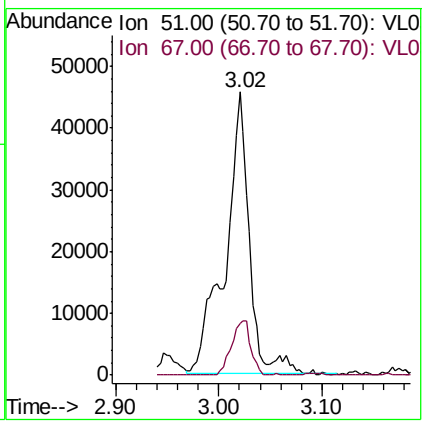


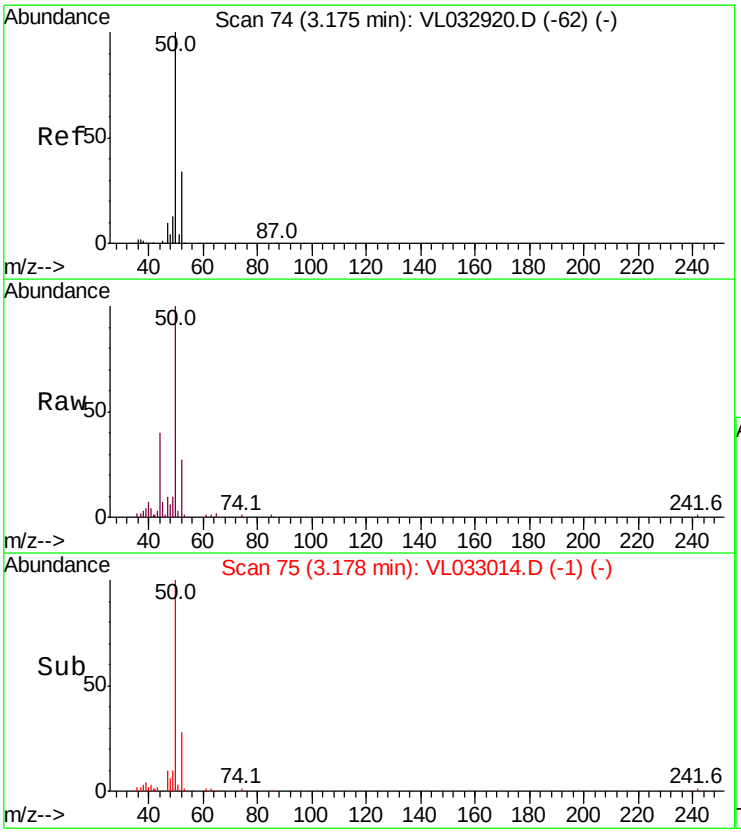
#3
Chlorodifluoromethane
Concen: 0.874 ppbv
RT: 3.02 min Scan# 26
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 51 Resp: 74806

Ion	Ratio	Lower	Upper
51	100		
67	15.2	16.8	25.2#

Instrument :
MSVOA_L
ClientSampleId :

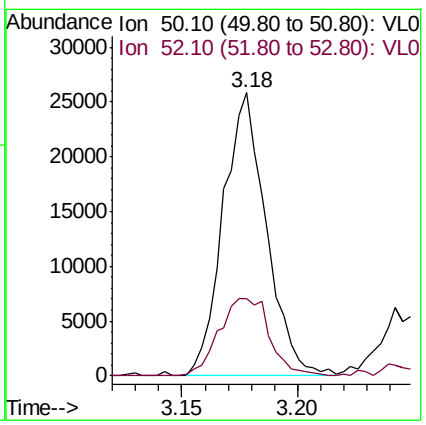


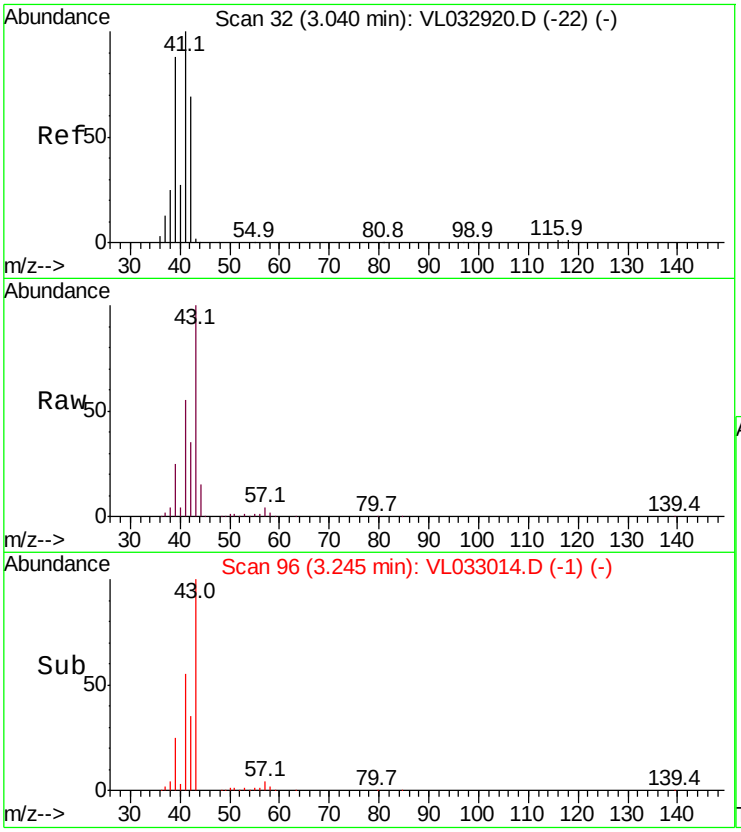


#4
Chloromethane
Concen: 0.672 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 50 Resp: 33467

Ion	Ratio	Lower	Upper
50	100		
52	26.7	27.3	40.9#



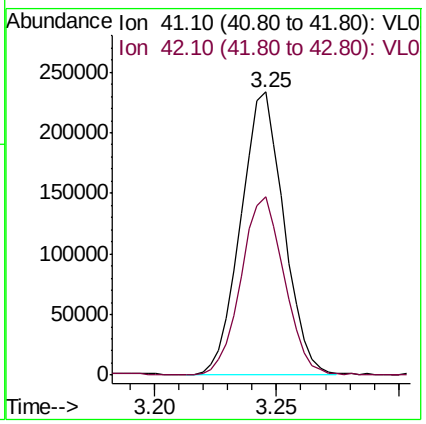


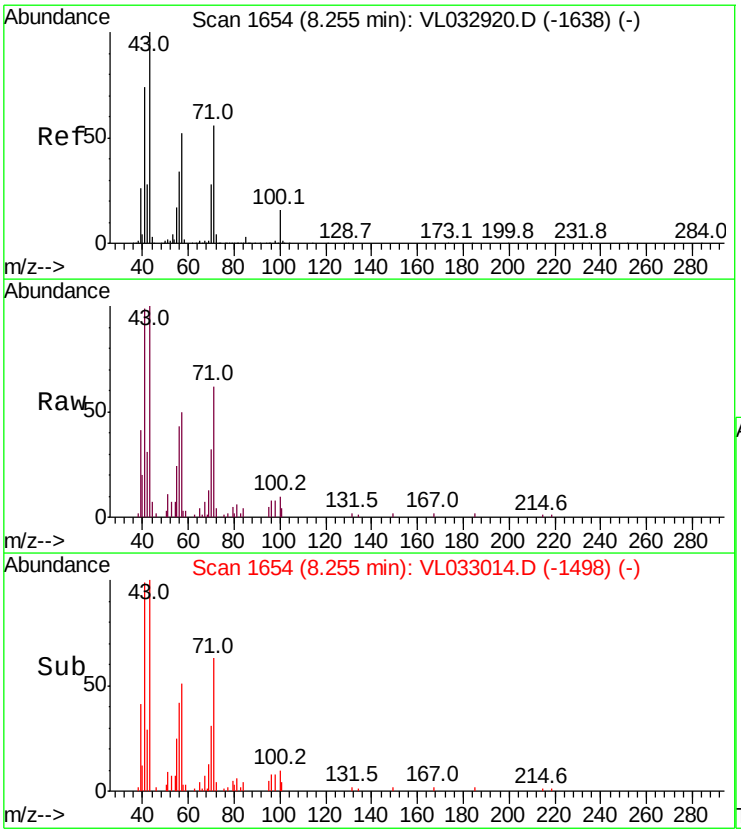
#9
Propene
Concen: 8.385 ppbv
RT: 3.25 min Scan# 96
Delta R.T. 0.21 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 283826

Ion	Ratio	Lower	Upper
41	100		
42	64.0	56.2	84.2

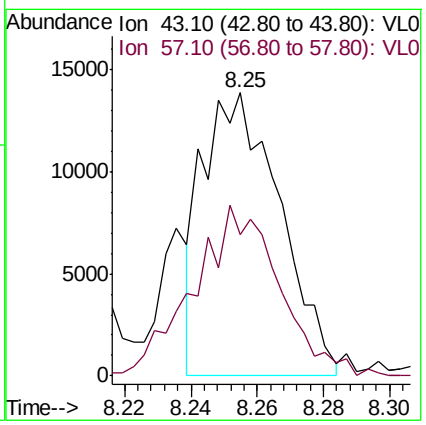


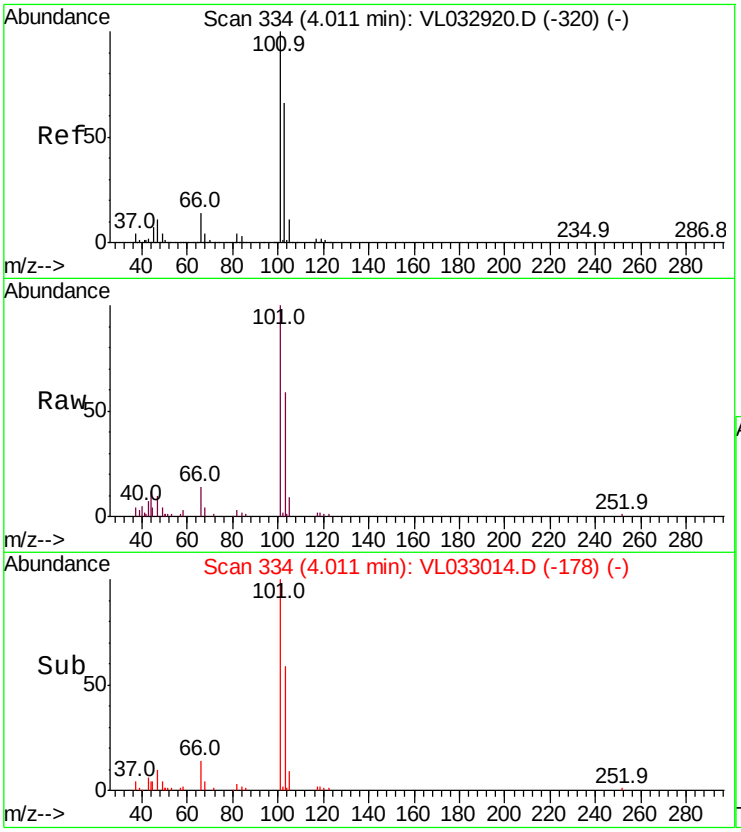


#10
Heptane
Concen: 0.176 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 43 Resp: 22332

Ion	Ratio	Lower	Upper
43	100		
57	67.6	41.8	62.6#



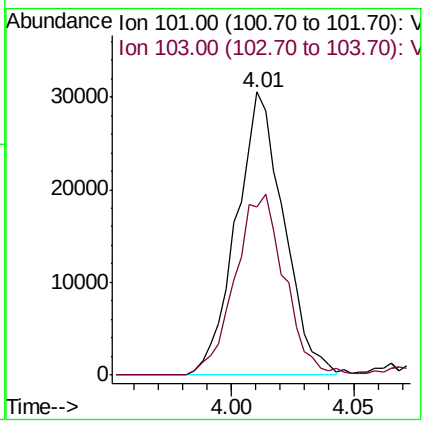


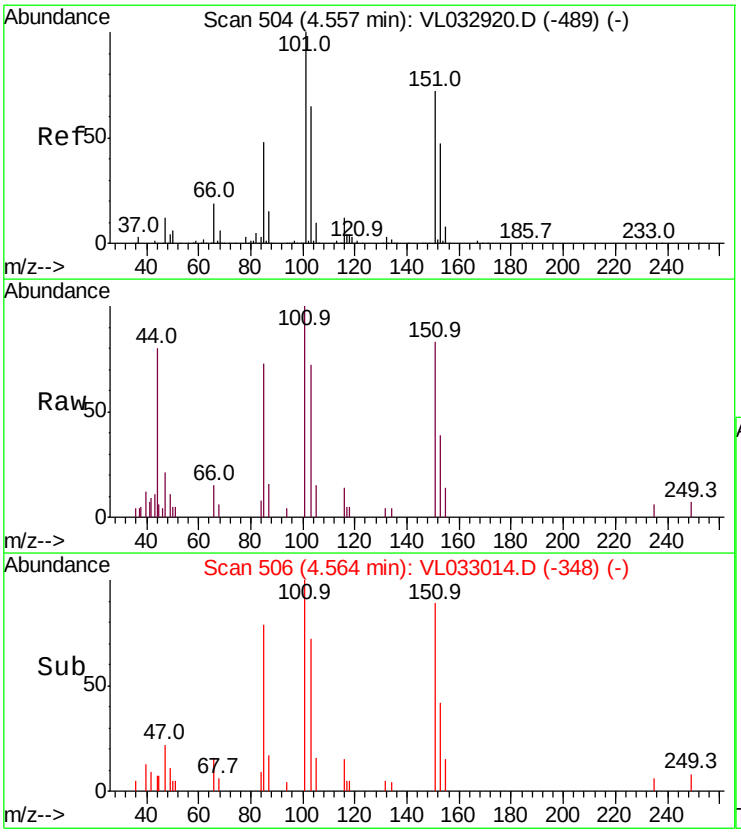
#11
Trichlorofluoromethane
Concen: 0.290 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 41169

Ion	Ratio	Lower	Upper
101	100		
103	59.4	52.7	79.1

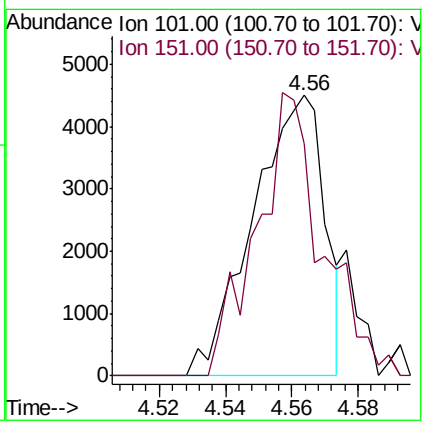


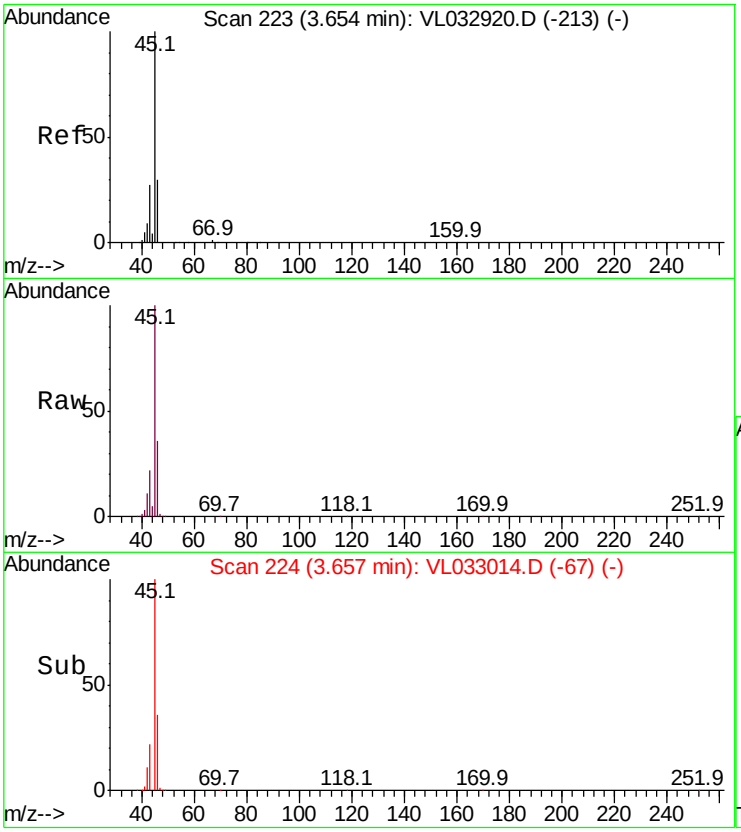


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.056 ppbv
RT: 4.56 min Scan# 506
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:101 Resp: 6768

Ion	Ratio	Lower	Upper
101	100		
151	92.4	59.3	88.9#

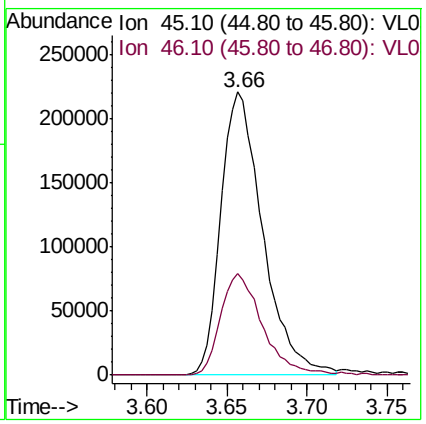




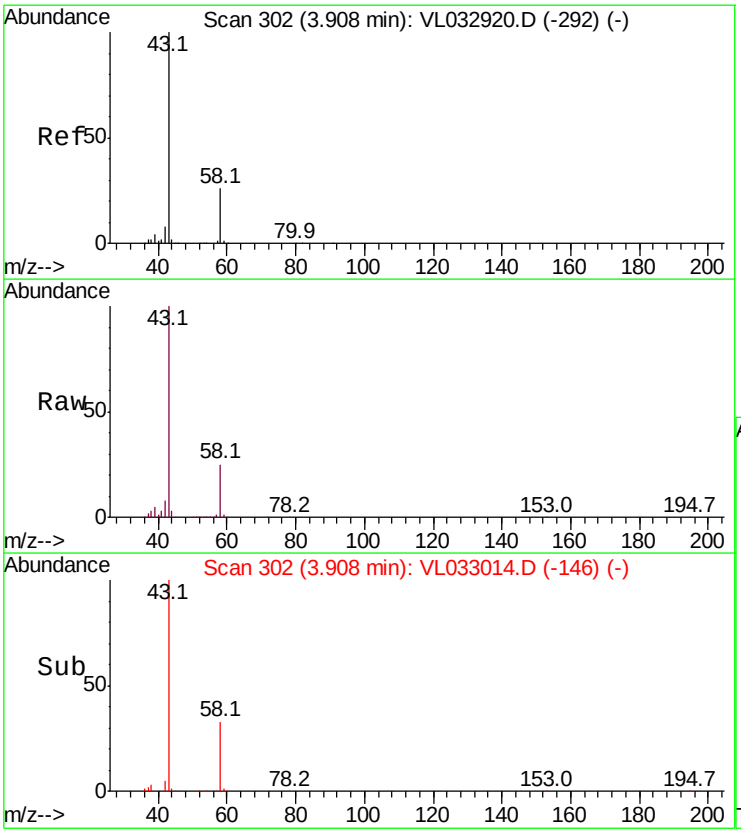
#13
Ethanol
Concen: 34.070 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 45 Resp: 397055

Ion	Ratio	Lower	Upper
45	100		
46	36.2	13.8	55.4



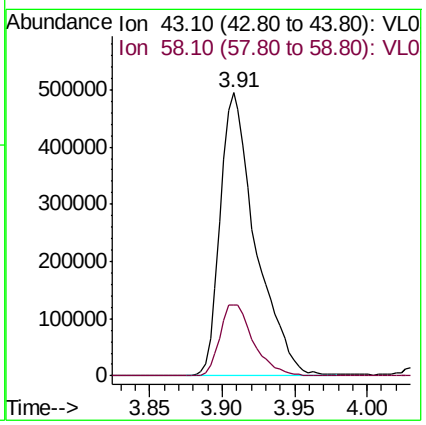
Instrument :
MSVOA_L
ClientSampleId :

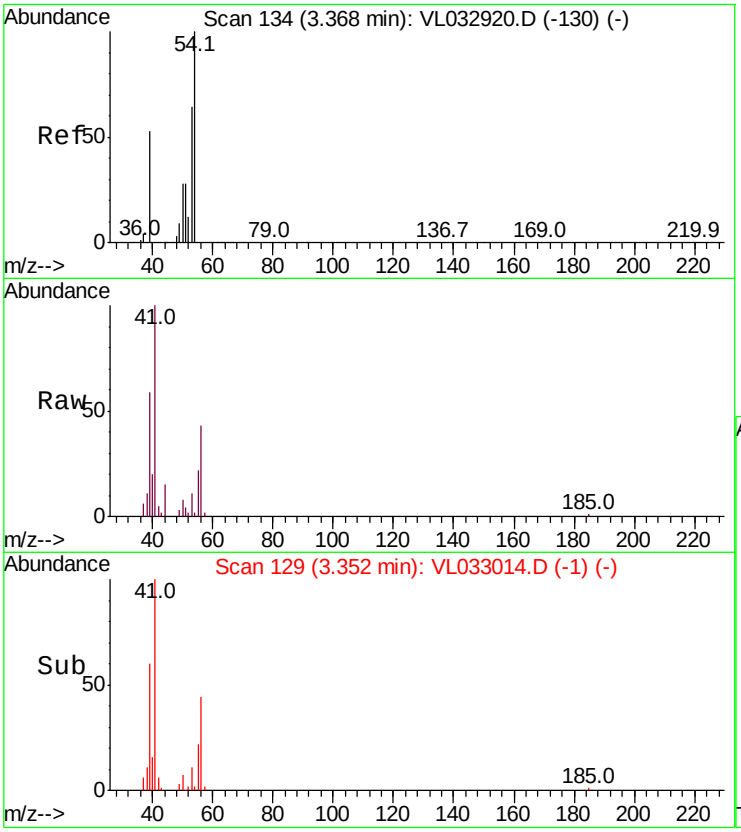


#15
Acetone
Concen: 8.710 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 43 Resp: 845055

Ion	Ratio	Lower	Upper
43	100		
58	23.9	20.6	30.8



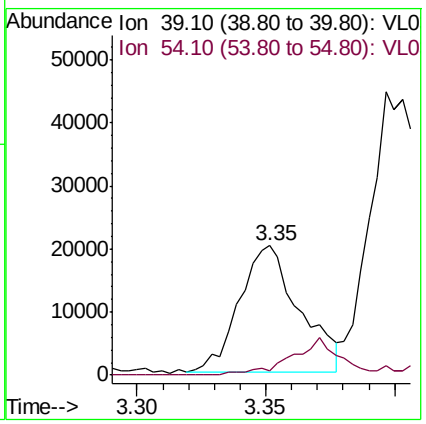


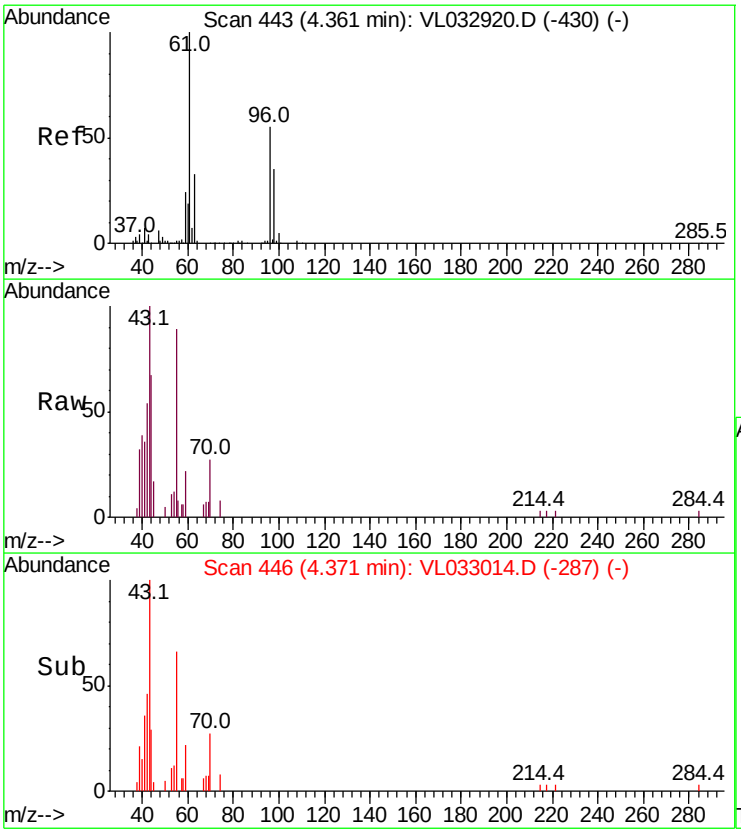
#16
1,3-Butadiene
Concen: 0.839 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.02 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 32309

Ion	Ratio	Lower	Upper
39	100		
54	27.0	72.7	109.1#

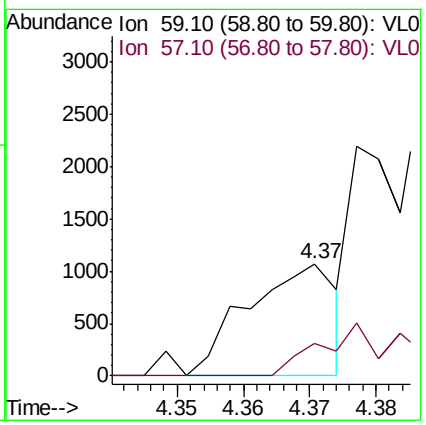


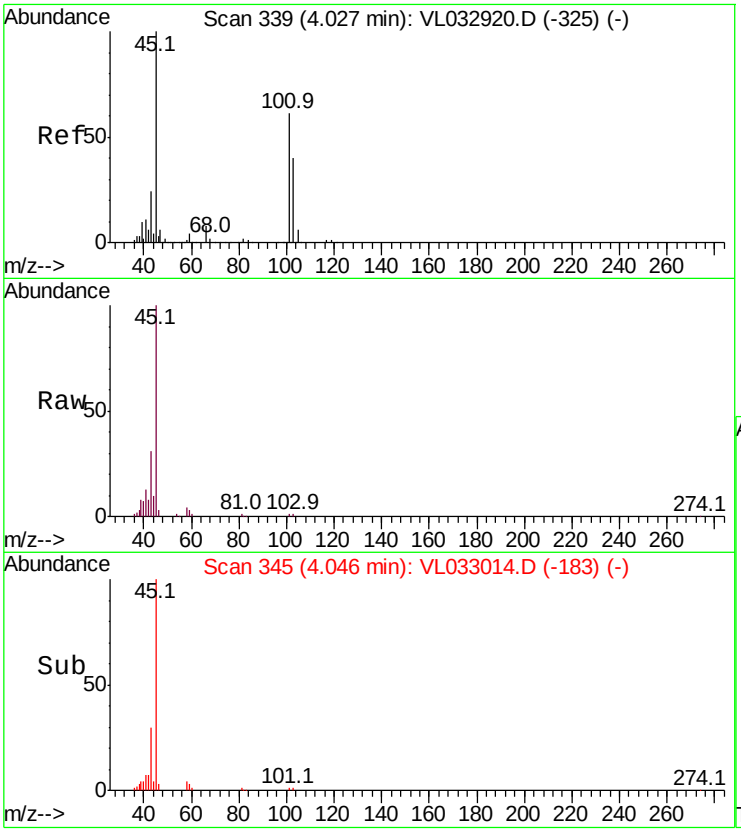


#17
tert-Butyl alcohol
Concen: 0.040 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 59 Resp: 998

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.6	1.0#



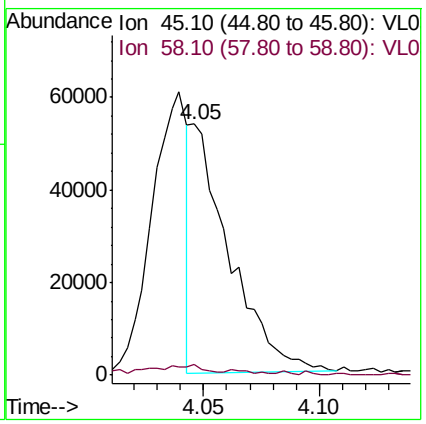


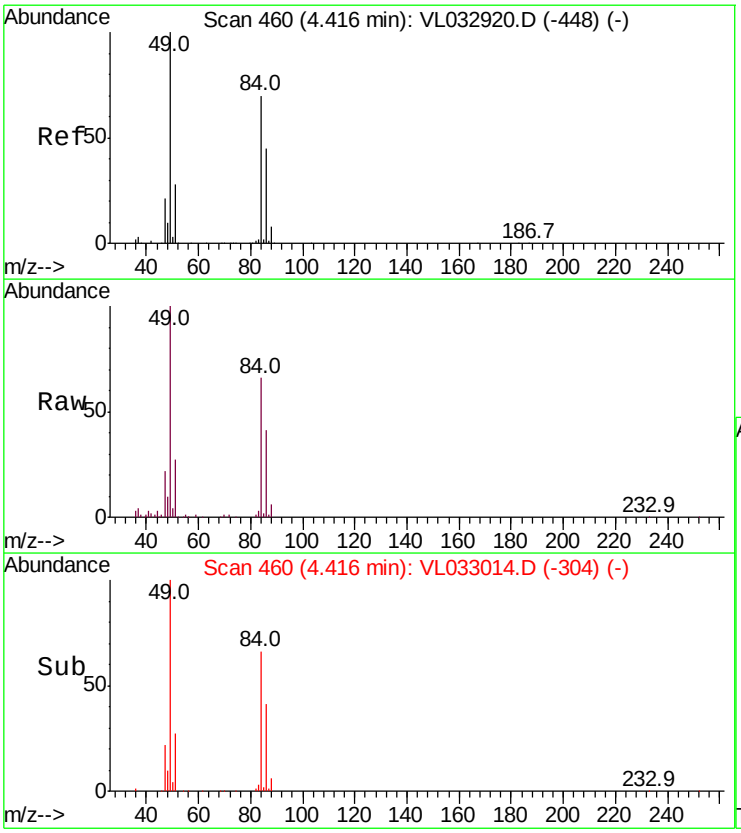
#19
Isopropyl Alcohol
Concen: 1.005 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.02 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 61236

Ion	Ratio	Lower	Upper
45	100		
58	9.9	1.4	2.2#

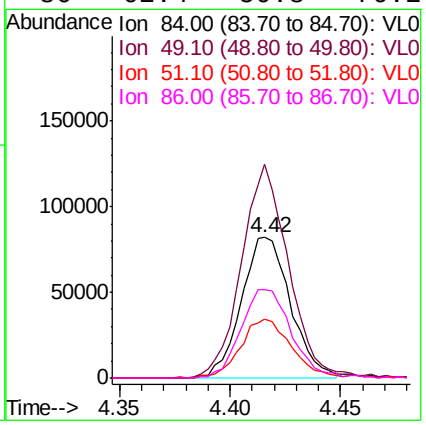


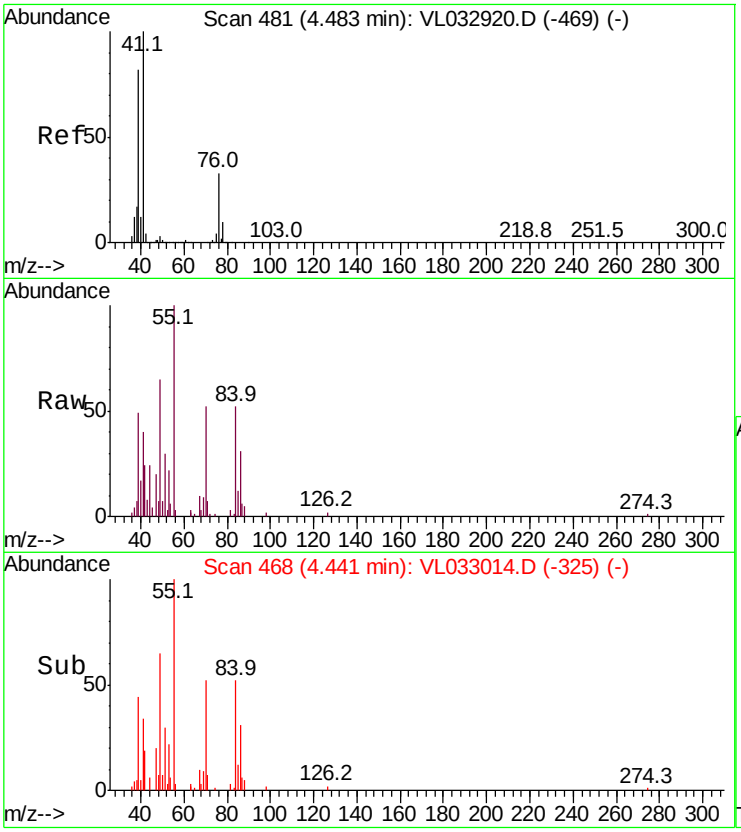


#20
Methylene Chloride
Concen: 2.692 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 84 Resp: 127645

Ion	Ratio	Lower	Upper
84	100		
49	151.5	113.8	170.8
51	41.3	31.8	47.8
86	62.4	50.8	76.2



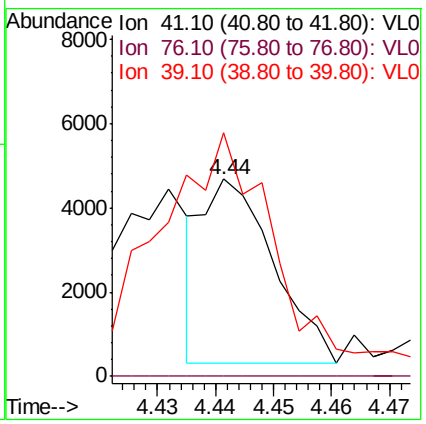


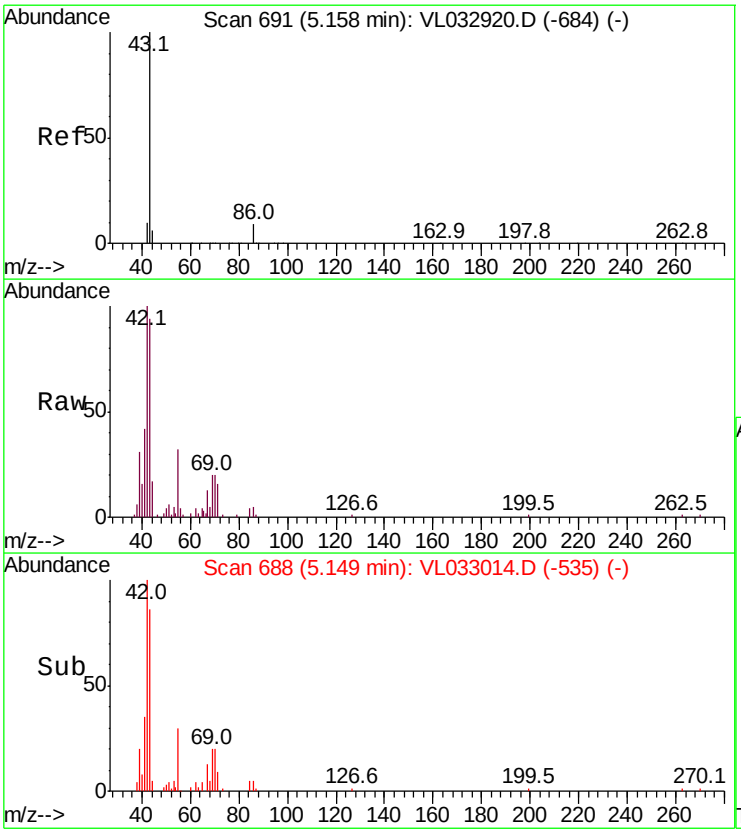
#21
Allvl Chloride
Concen: 0.046 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.04 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 3669

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	223.3	65.2	97.8#

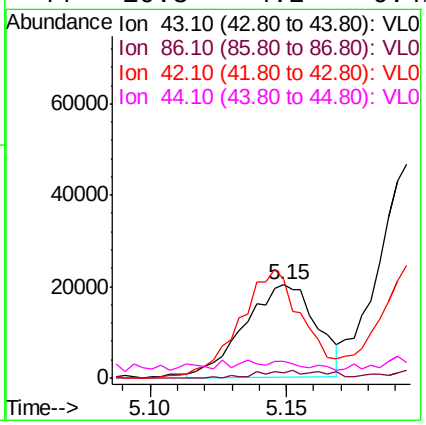


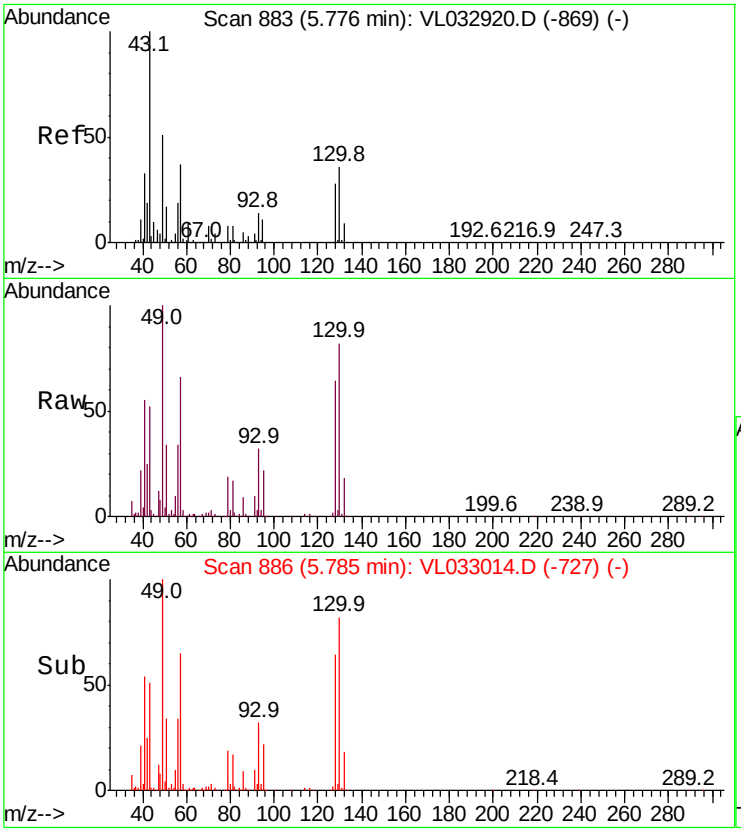


#23
Vinyl Acetate
Concen: 0.225 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 43 Resp: 36928

Ion	Ratio	Lower	Upper
43	100		
86	5.7	6.6	9.8#
42	106.1	8.3	12.5#
44	10.3	4.2	6.4#



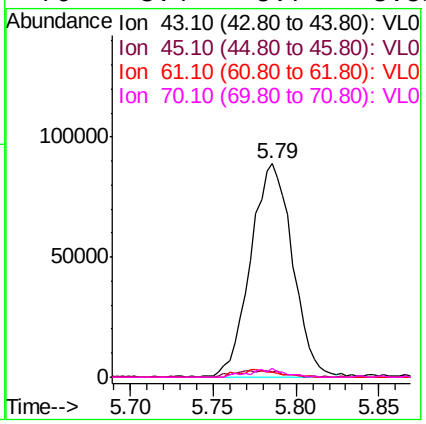


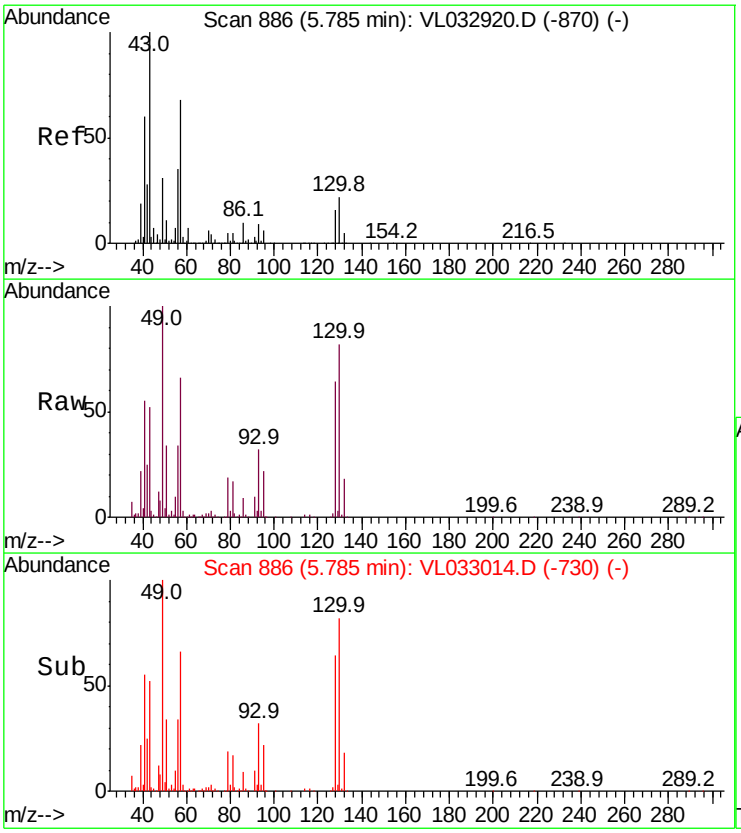
#25
Ethyl Acetate
Concen: 0.680 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 155771

Ion	Ratio	Lower	Upper
43	100		
45	3.9	7.8	11.6#
61	3.4	7.4	11.2#
70	3.4	5.7	8.5#

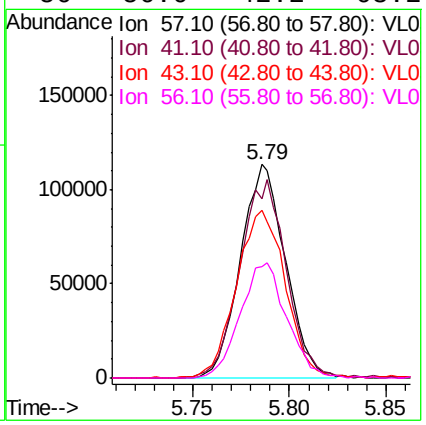


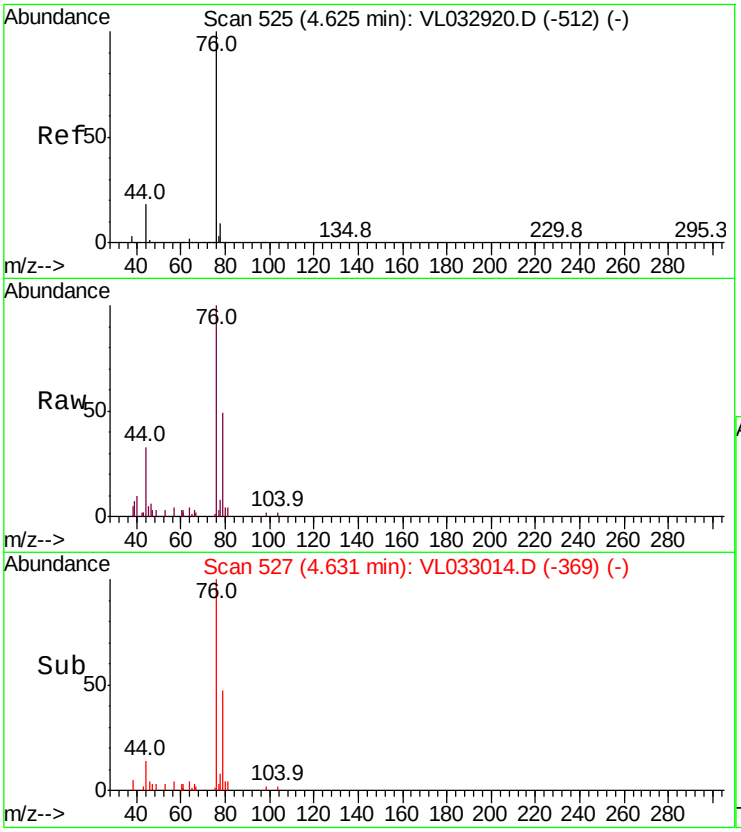


#26
Hexane
Concen: 1.738 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 57 Resp: 183922

Ion	Ratio	Lower	Upper
57	100		
41	96.4	72.2	108.2
43	87.1	171.9	257.9#
56	56.0	42.2	63.2



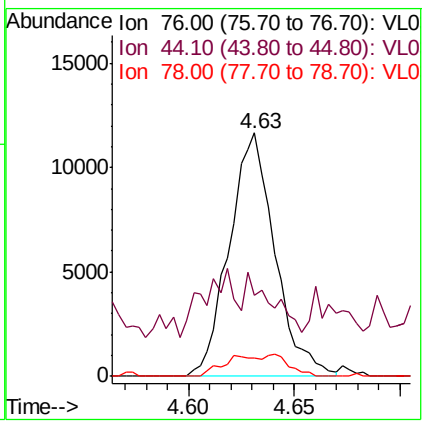


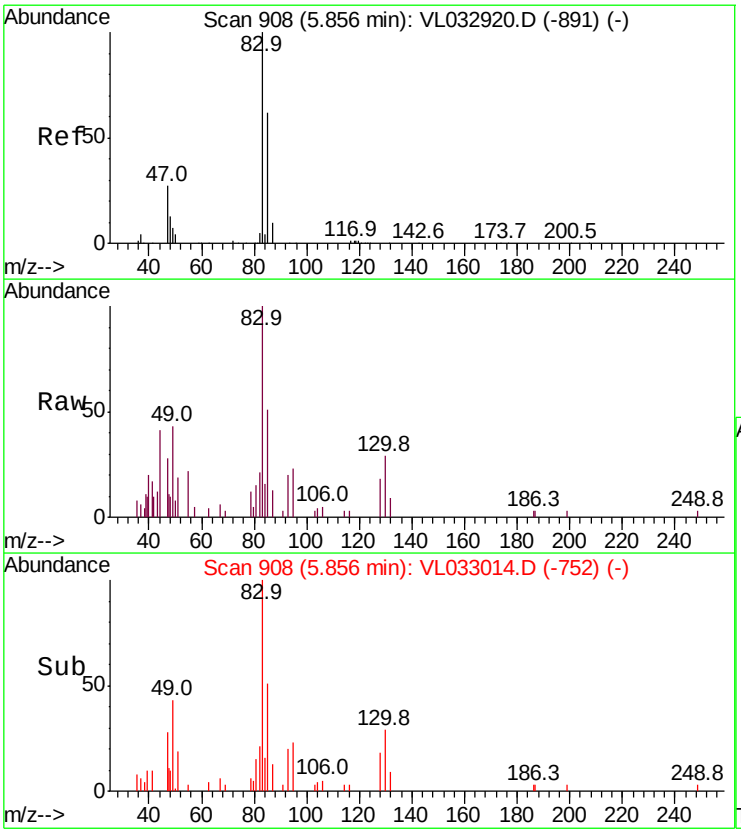
#27
Carbon Disulfide
Concen: 0.132 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 17528

Ion	Ratio	Lower	Upper
76	100		
44	31.2	14.7	22.1#
78	11.5	7.4	11.2#

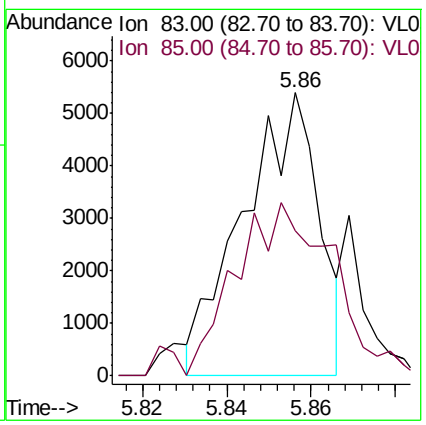


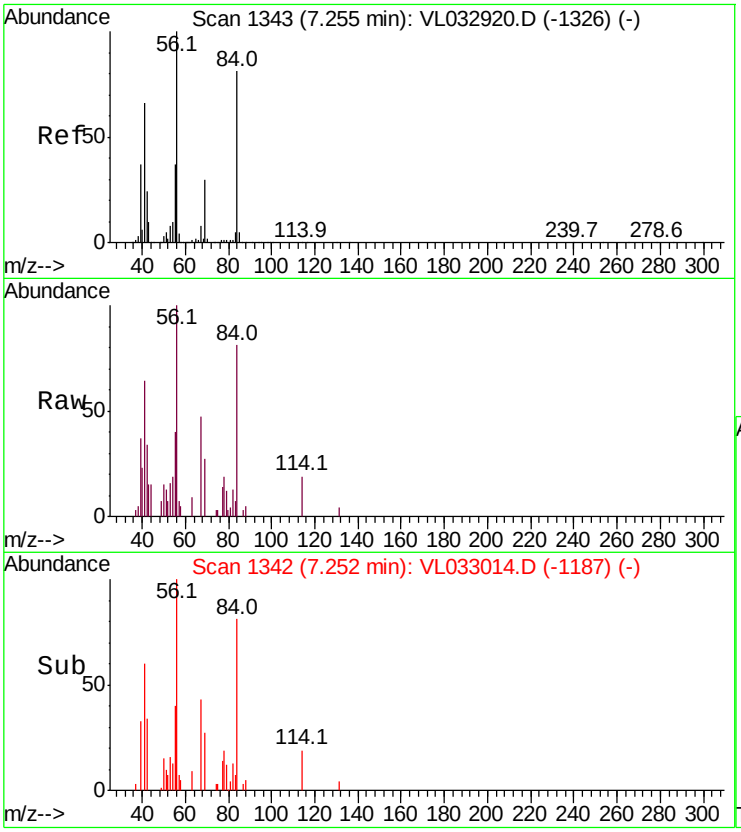


#29
Chloroform
Concen: 0.036 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 83 Resp: 6725

Ion	Ratio	Lower	Upper
83	100		
85	57.9	49.8	74.8



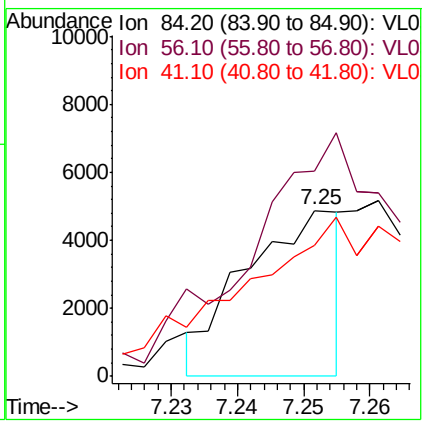


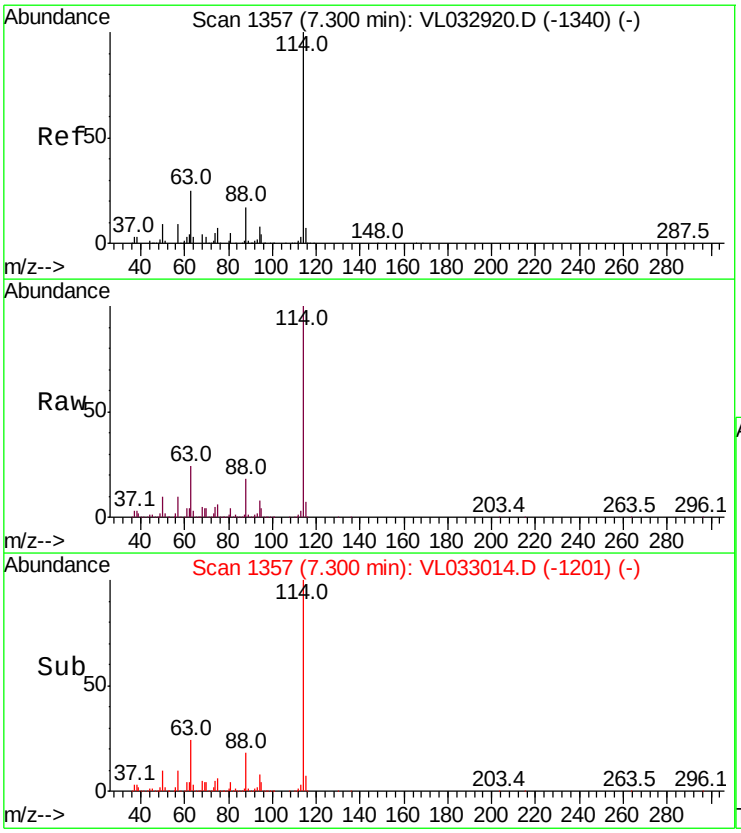
#30
Cyclohexane
Concen: 0.055 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 4845

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.5	153.7#
41	230.1	64.1	96.1#

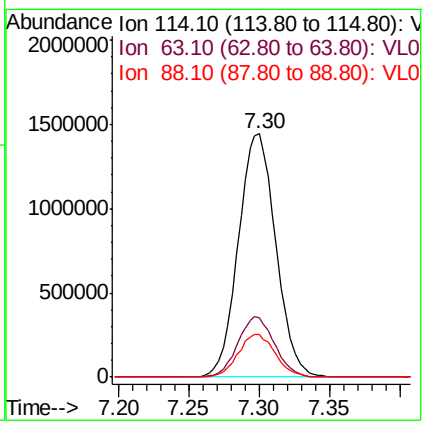


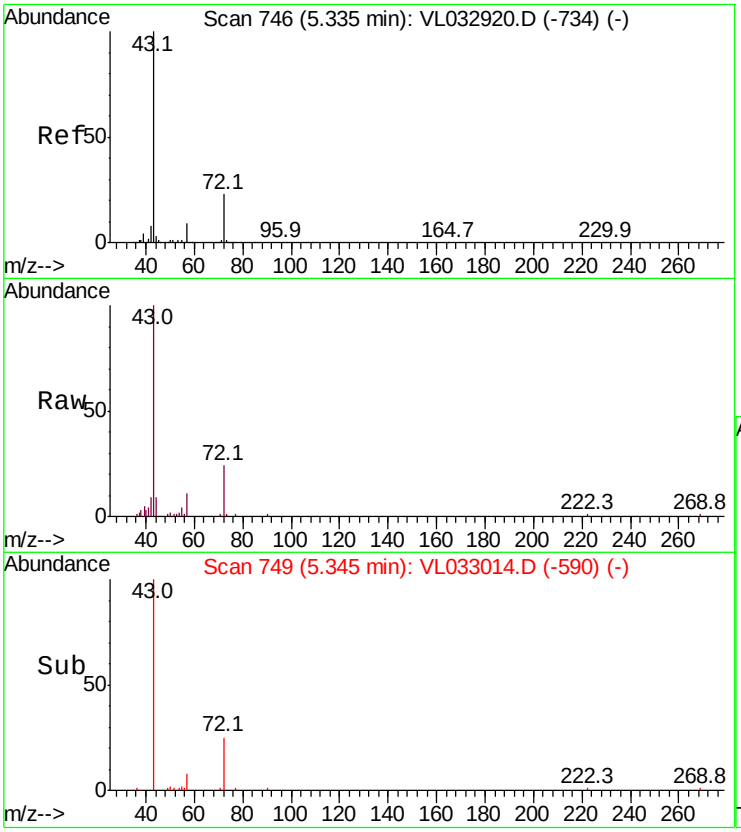


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:114 Resp: 2690486

Ion	Ratio	Lower	Upper
114	100		
63	24.3	20.1	30.1
88	17.6	14.2	21.4



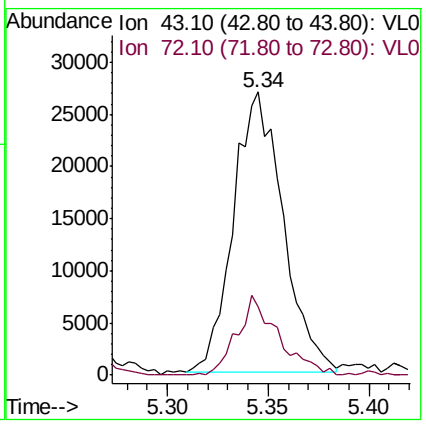


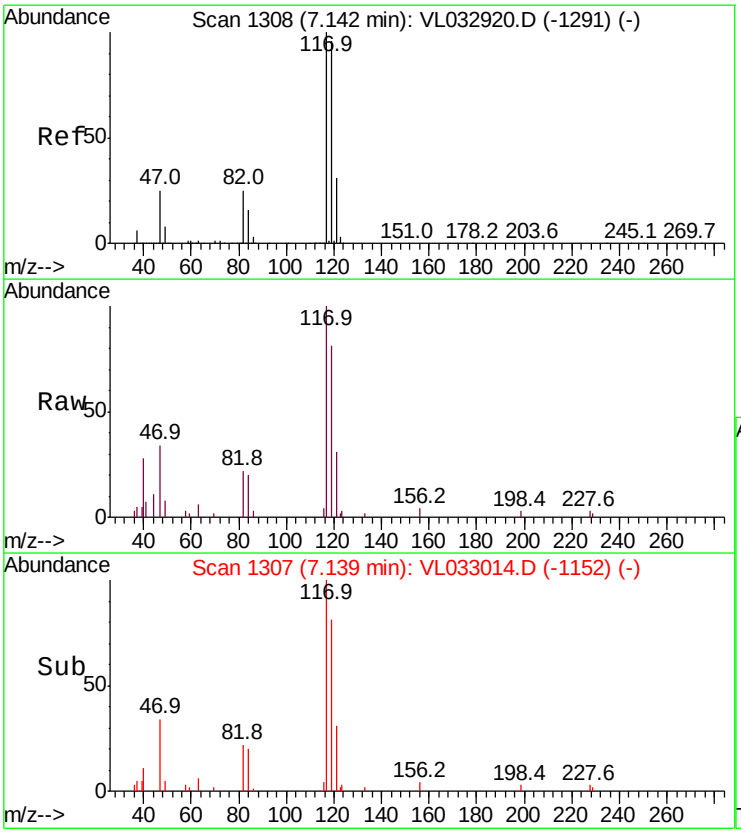
#34
2-Butanone
Concen: 0.397 ppbv
RT: 5.34 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 46540

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.8	28.2

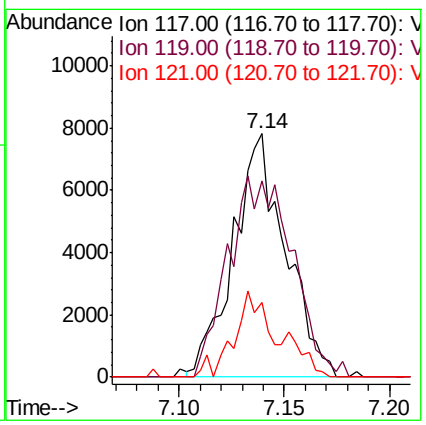


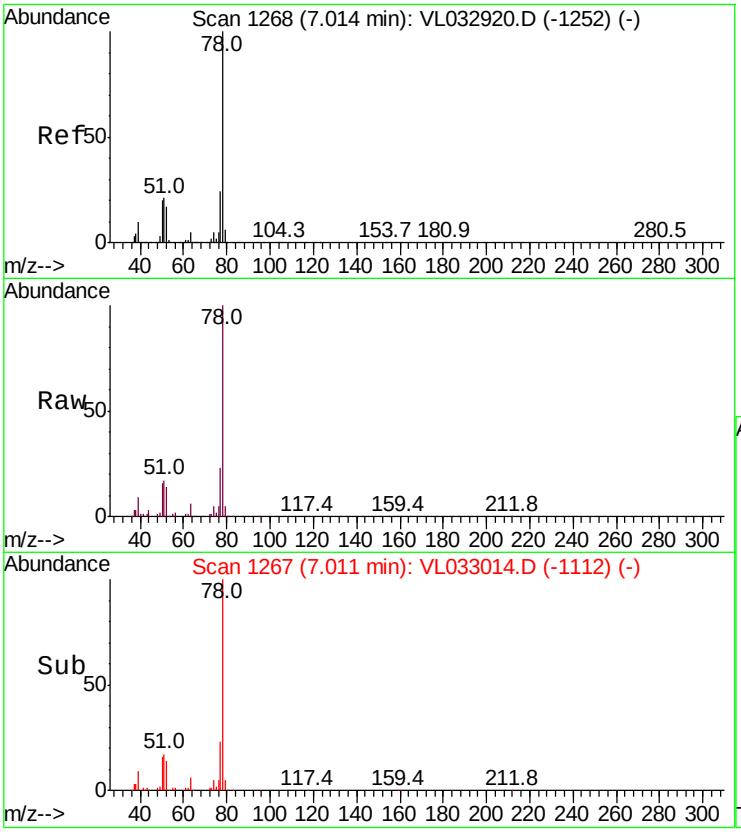


#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:117 Resp: 13473

Ion	Ratio	Lower	Upper
117	100		
119	80.8	76.5	114.7
121	30.5	24.5	36.7



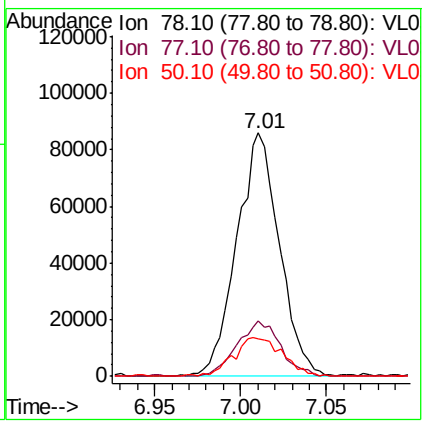


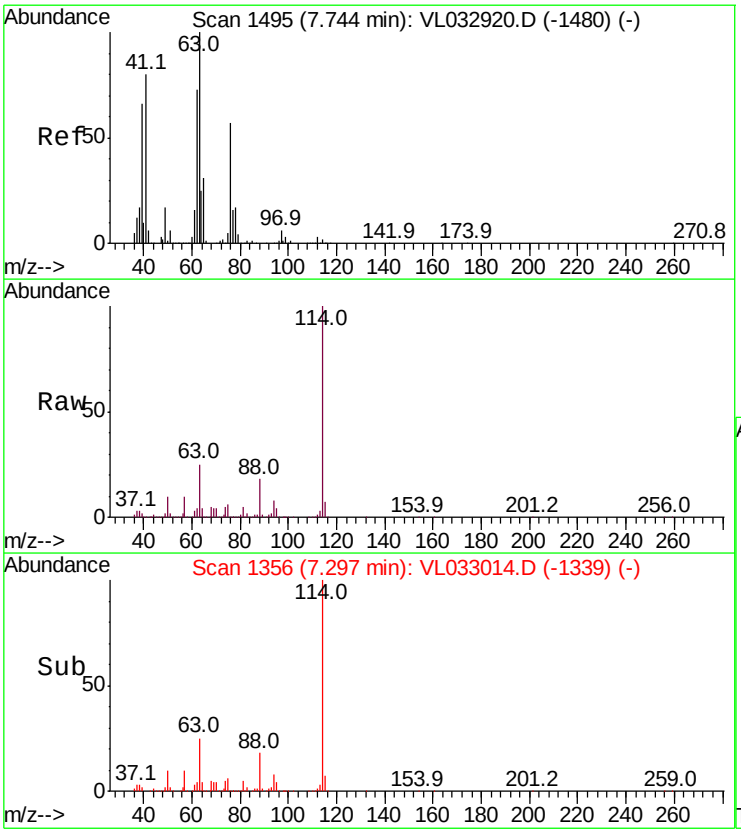
#36
Benzene
Concen: 0.748 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 148119

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.9	28.3
50	15.2	16.1	24.1#

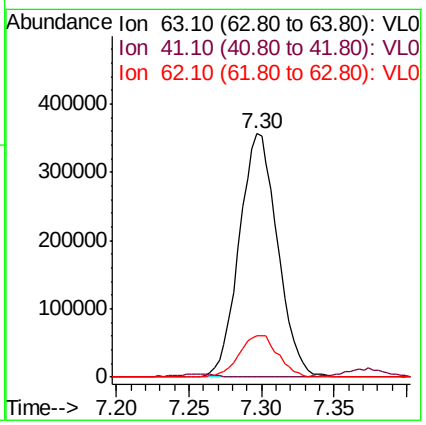


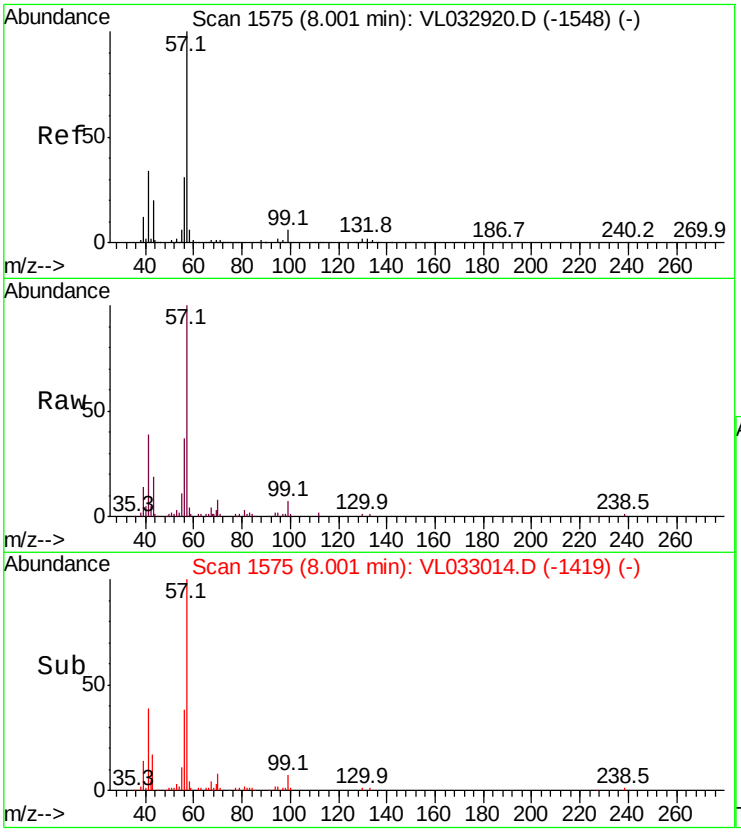


#39
1,2-Dichloropropane
Concen: 8.709 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 63 Resp: 653620

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	16.9	58.8	88.2#



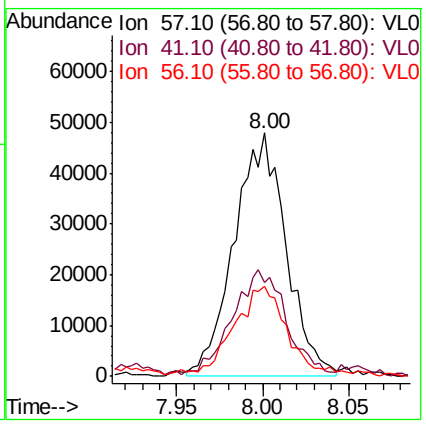


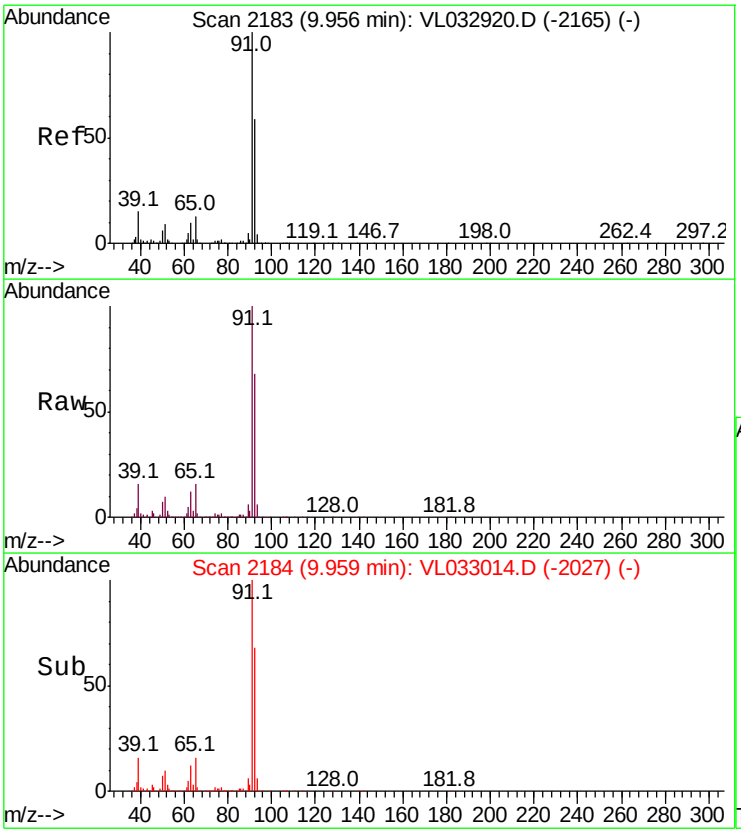
#44
2,2,4-Trimethylpentane
Concen: 0.298 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 100189

Ion	Ratio	Lower	Upper
57	100		
41	45.8	27.0	40.4#
56	40.0	24.6	37.0#

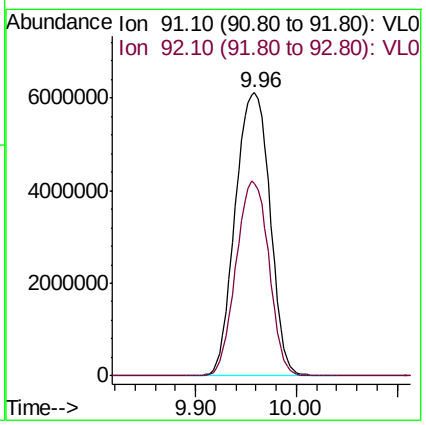


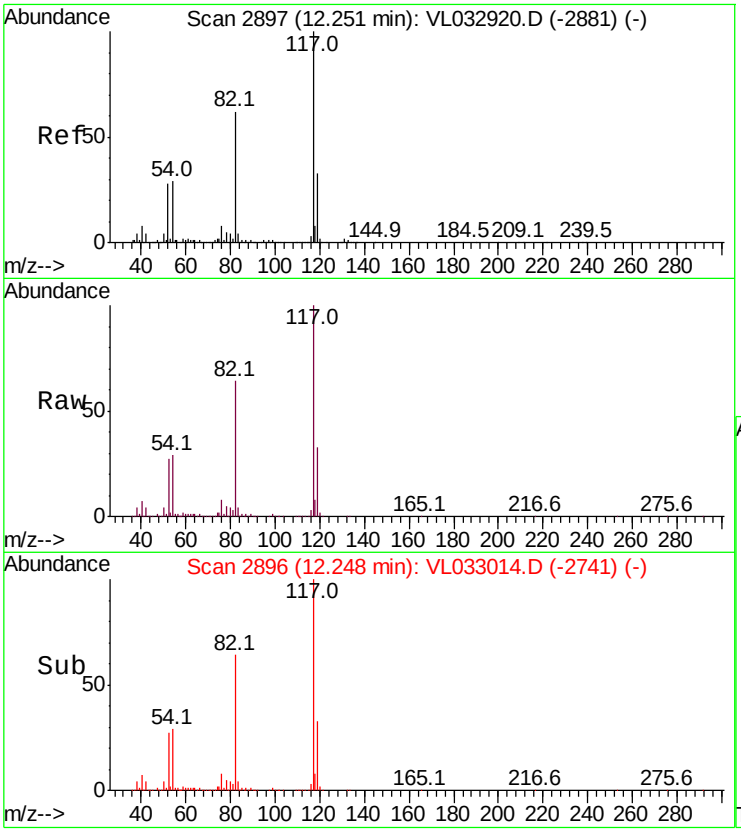


#53
Toluene
Concen: 69.559 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 91 Resp:14598794

Ion	Ratio	Lower	Upper
91	100		
92	65.1	47.4	71.0



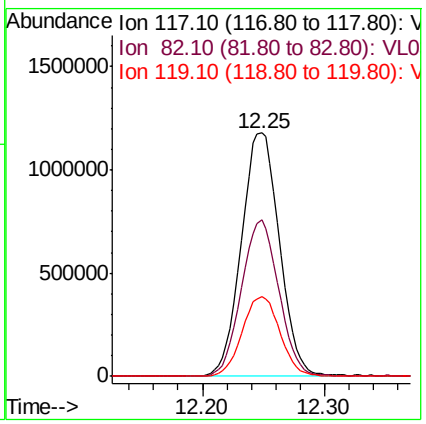


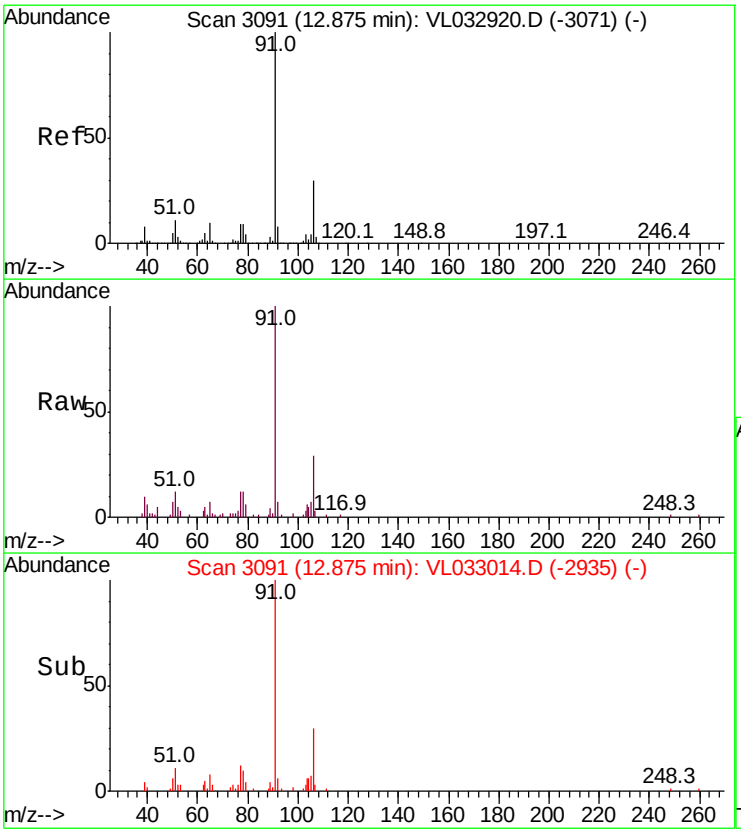
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2539946

Ion	Ratio	Lower	Upper
117	100		
82	63.1	47.8	71.8
119	32.5	43.1	64.7#

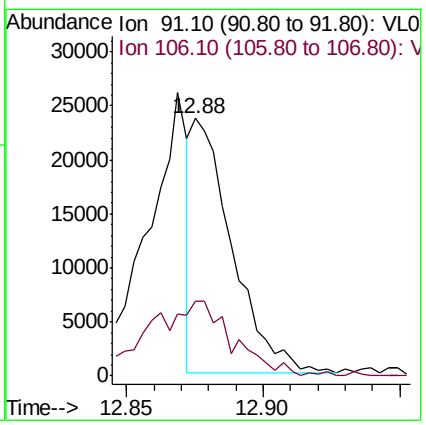


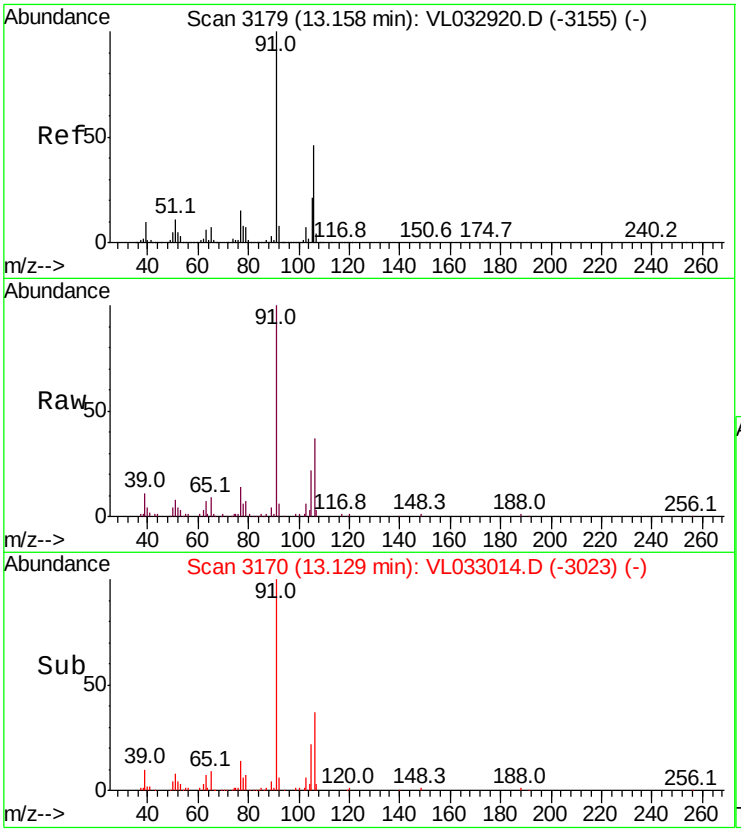


#58
Ethyl Benzene
Concen: 0.088 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 91 Resp: 23828

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9



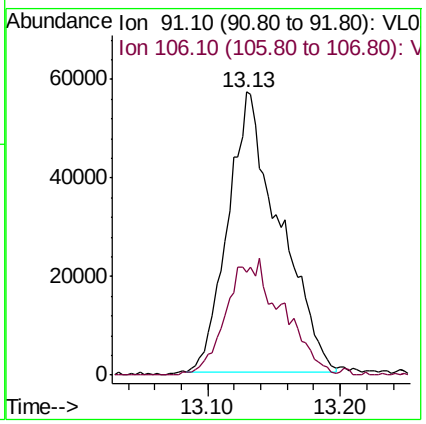


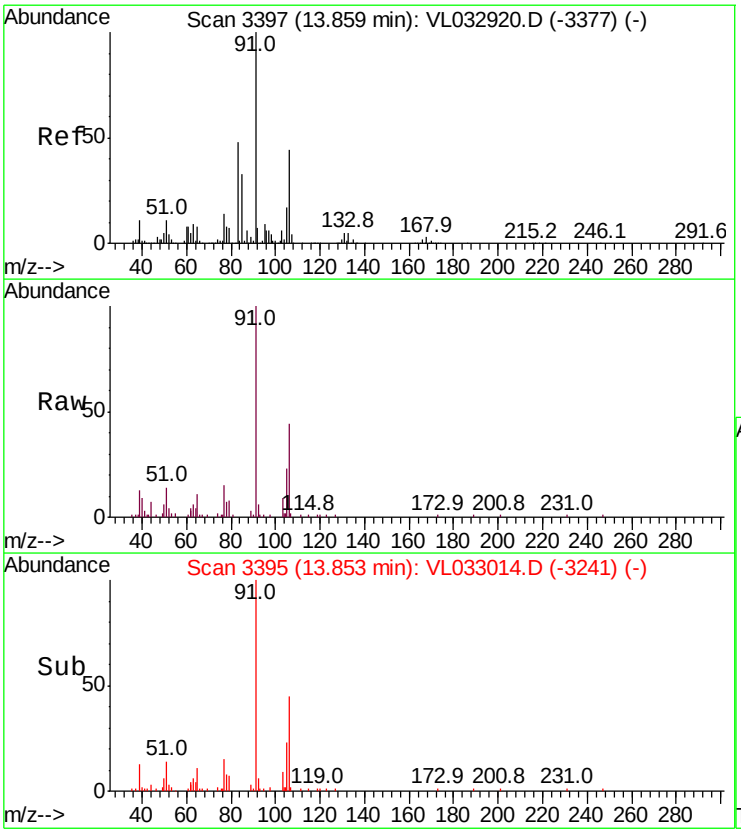
#59
m/p-Xylene
Concen: 0.629 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 154579

Ion	Ratio	Lower	Upper
91	100		
106	45.2	0.0	0.0#

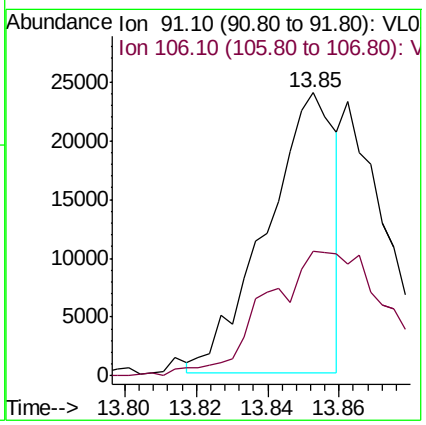


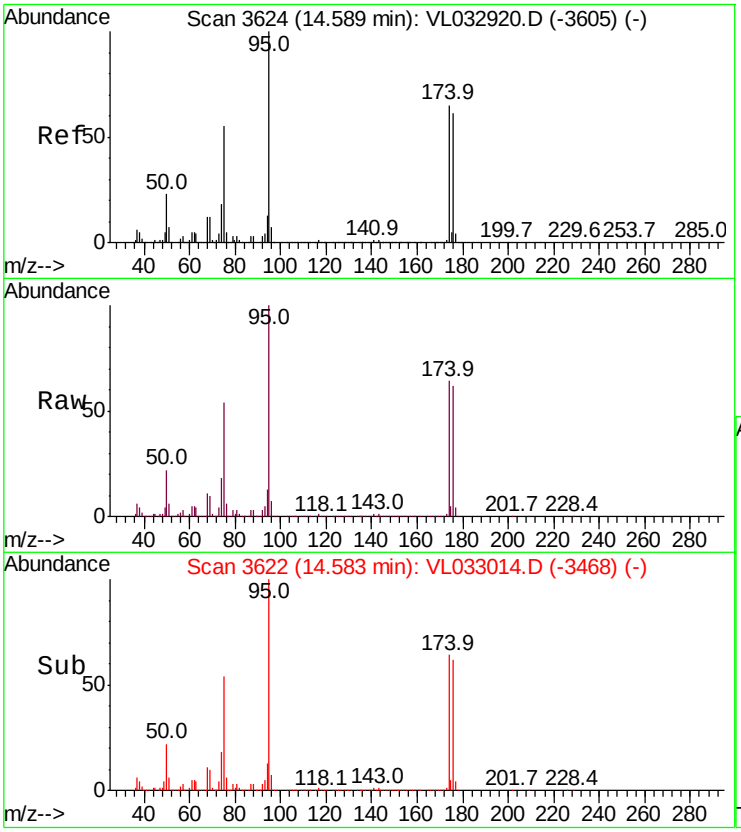


#60
o-Xylene
Concen: 0.128 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion: 91 Resp: 31852

Ion	Ratio	Lower	Upper
91	100		
106	78.5	21.9	65.8#



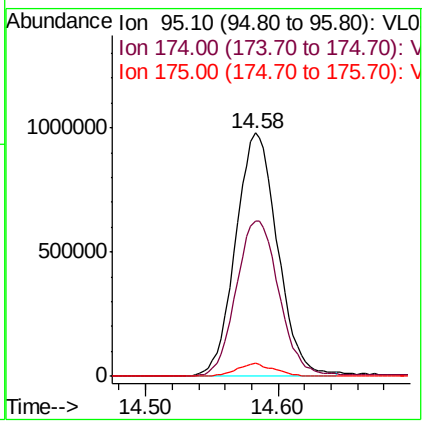


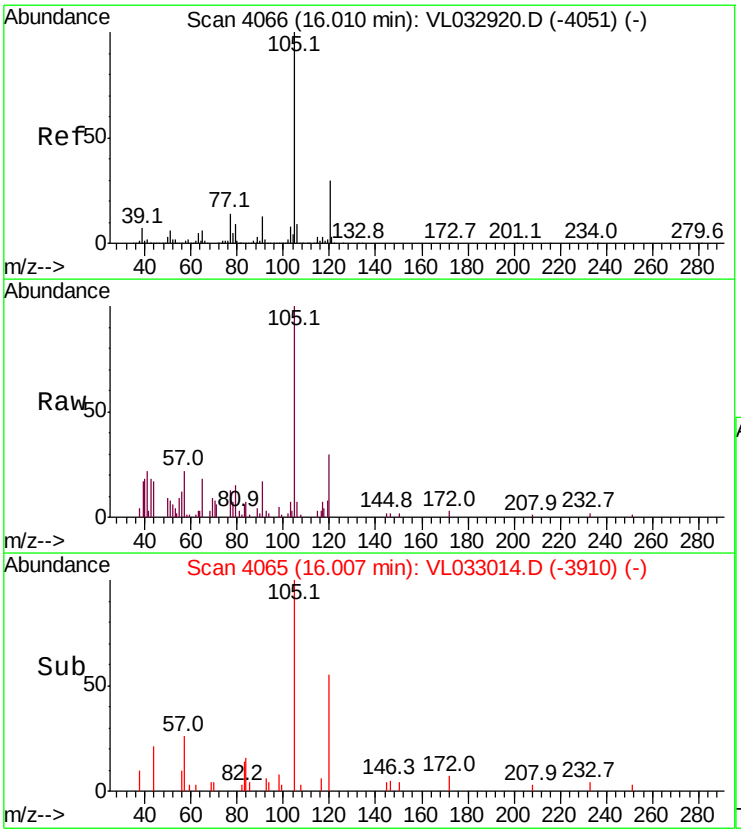
#68
1-Bromo-4-Fluorobenzene
Concen: 11.443 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2147248

Ion	Ratio	Lower	Upper
95	100		
174	67.0	51.4	77.0
175	5.0	3.8	5.6

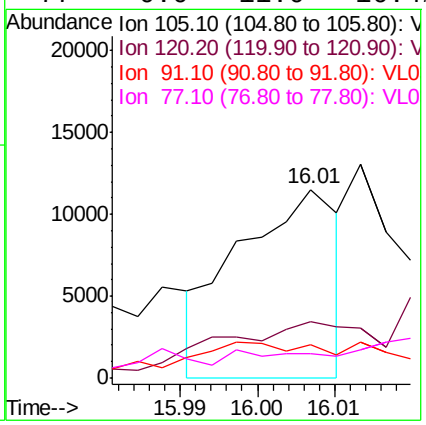


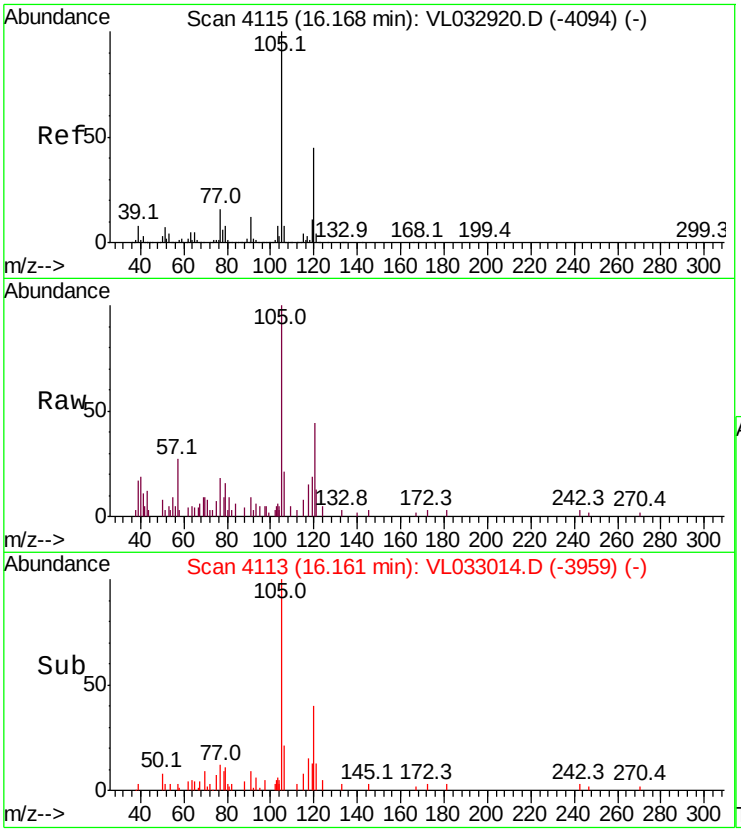


#72
4-Ethyltoluene
Concen: 0.038 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:105 Resp: 10406

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.0	34.4#
91	30.6	10.4	15.6#
77	0.0	11.0	16.4#





#73
1,3,5-Trimethylbenzene
Concen: 0.035 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.01 min
Lab File: VL033014.D
Acq: 18 Dec 2018 3:08

Tgt Ion:105 Resp: 9388

Ion	Ratio	Lower	Upper
105	100		
120	62.8	36.0	54.0#

Instrument :
MSVOA_L
ClientSampleId :