Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033010.D
Acq On : 18 Dec 2018 00:30
Operator : SY/AP
Sample : J6444-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 18 01:17:50 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	899125	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2705126	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2081215	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2181990	14.19	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 141.90%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	80686	0.672	ppbv		96
3) Chlorodifluoromethane	3.02	51	71154	1.045	ppbv	#	85
4) Chloromethane	3.17	50	30801	0.777	ppbv		91
5) Vinyl Chloride	3.05	62	1248	0.031	ppbv	#	81
9) Propene	3.24	41	267369	9.930	ppbv		95
10) Heptane	8.25	43	28566	0.282	ppbv		94
11) Trichlorofluoromethane	4.01	101	38644	0.342	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	7896	0.082	ppbv		100
13) Ethanol	3.65	45	504505	54.420	ppbv		97
15) Acetone	3.90	43	997040	12.919	ppbv		98
16) 1,3-Butadiene	3.35	39	40356	1.318	ppbv	#	30
19) Isopropyl Alcohol	4.03	45	143047	2.952	ppbv	#	1
20) Methylene Chloride	4.41	84	41022	1.088	ppbv		95
21) Allyl Chloride	4.44	41	6312	0.100	ppbv	#	15
23) Vinyl Acetate	5.15	43	47172	0.361	ppbv	#	1
25) Ethyl Acetate	5.79	43	142677	0.783	ppbv	#	89
26) Hexane	5.78	57	146927	1.746	ppbv	#	54
27) Carbon Disulfide	4.62	76	21420	0.204	ppbv	#	27
30) Cyclohexane	7.25	84	6076	0.087	ppbv	#	1
34) 2-Butanone	5.34	43	53240	0.452	ppbv		99
36) Benzene	7.01	78	148593	0.747	ppbv		95
39) 1,2-Dichloropropane	7.30	63	646427	8.567	ppbv	#	21
43) Methyl Methacrylate	8.15	69	7762	0.105	ppbv	#	1
44) 2,2,4-Trimethylpentane	8.00	57	91935	0.272	ppbv	#	73
51) 2-Hexanone	10.20	43	13842	0.108	ppbv	#	55
52) Tetrachloroethene	11.38	164	9779	0.135	ppbv		86
53) Toluene	9.97	91	23254373	110.200	ppbv	#	83
58) Ethyl Benzene	12.87	91	65143	0.293	ppbv		95
59) m/p-Xylene	13.16	91	41911	0.208	ppbv	#	100
60) o-Xylene	13.86	91	39602	0.195	ppbv	#	32
65) tert-Butylbenzene	16.93	119	10042	0.038	ppbv	#	1
66) Benzyl Chloride	16.95	91	5701	0.039	ppbv	#	67
71) 2-Chlorotoluene	15.72	91	9607	0.046	ppbv	#	48
72) 4-Ethyltoluene	16.01	105	13465	0.059	ppbv	#	1
73) 1,3,5-Trimethylbenzene	16.16	105	24207	0.109	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.94	105	125294	0.501	ppbv	#	71

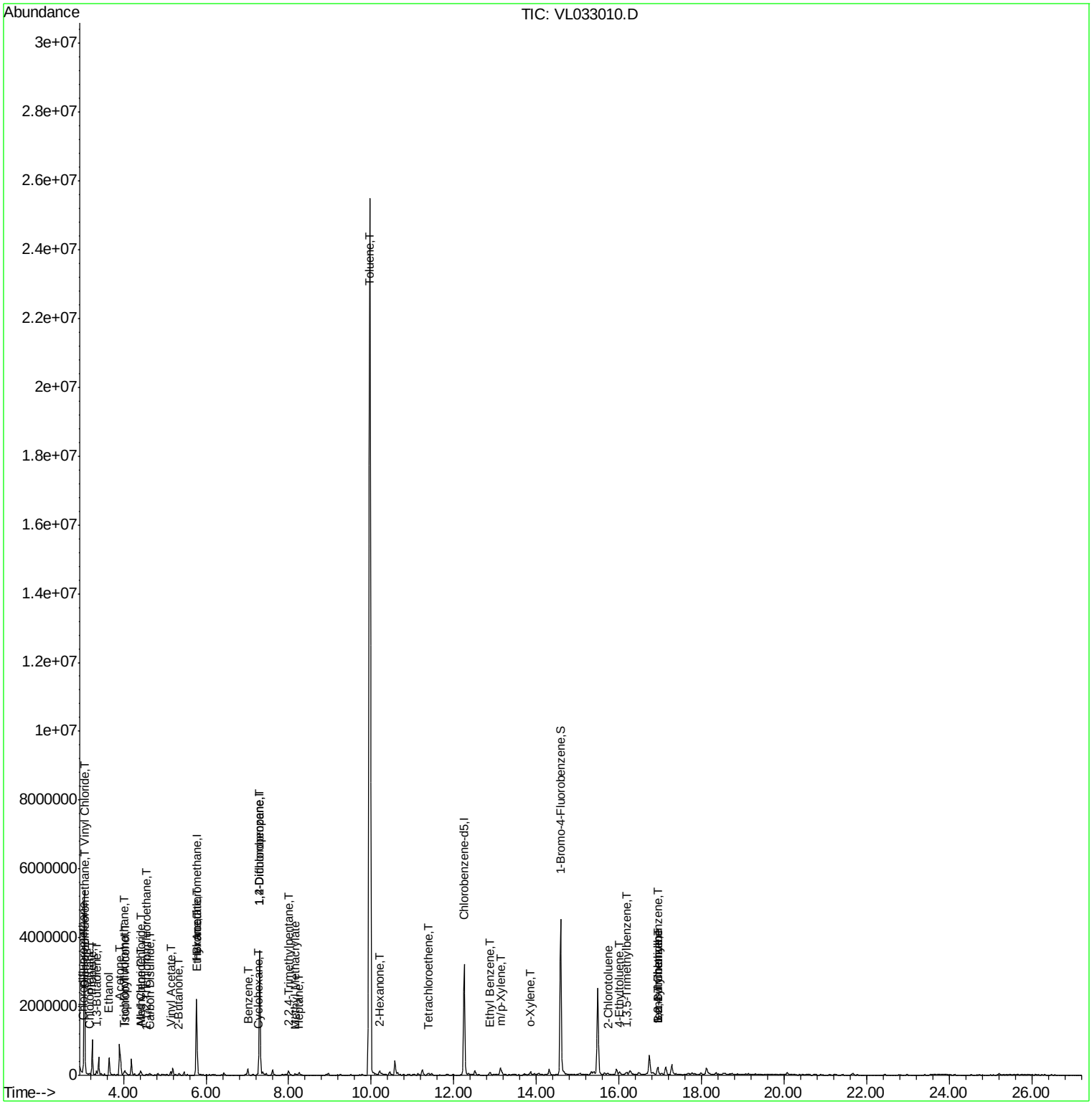
(#) = qualifier out of range (m) = manual integration (+) = signals summed

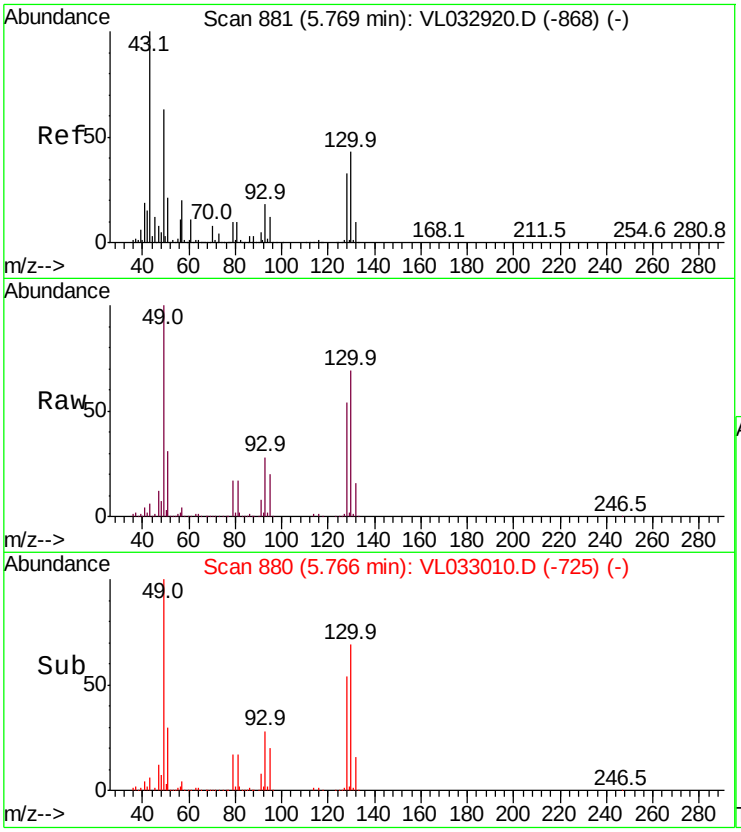
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033010.D
Acq On : 18 Dec 2018 00:30
Operator : SY/AP
Sample : J6444-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 01:17:50 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



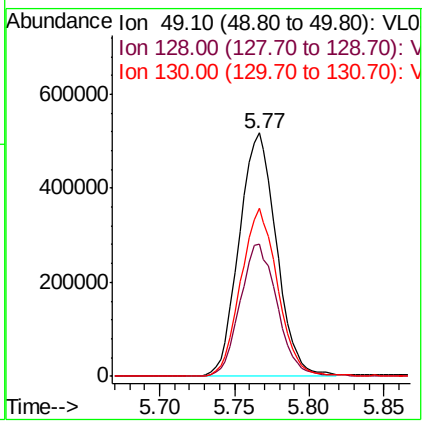


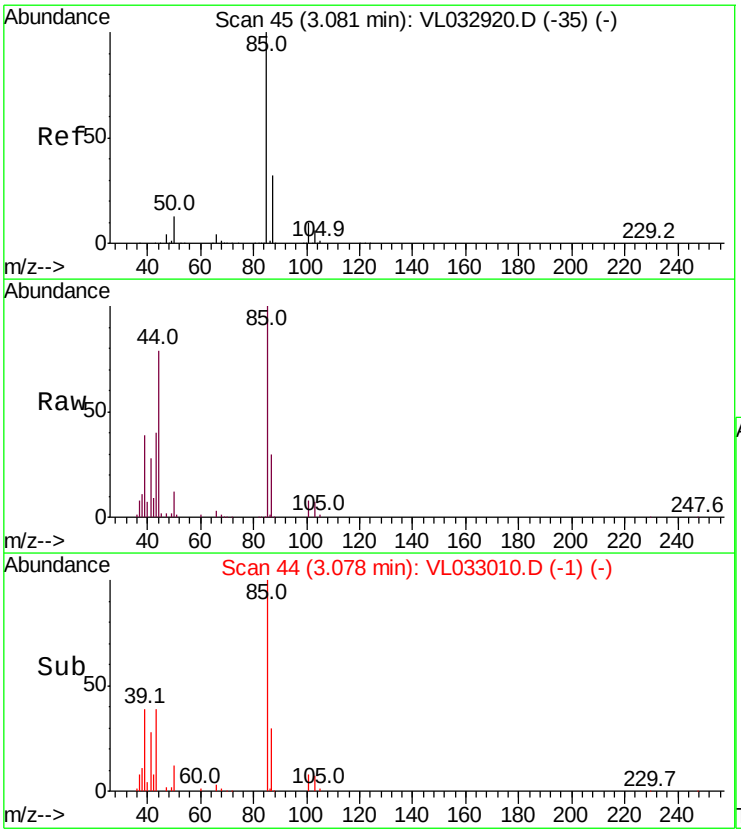
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 899125

Ion	Ratio	Lower	Upper
49	100		
128	54.0	26.3	78.8
130	69.1	33.9	101.7

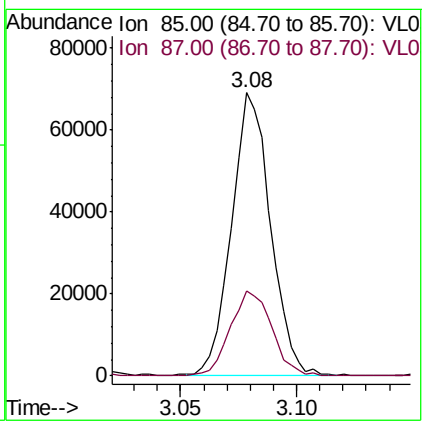


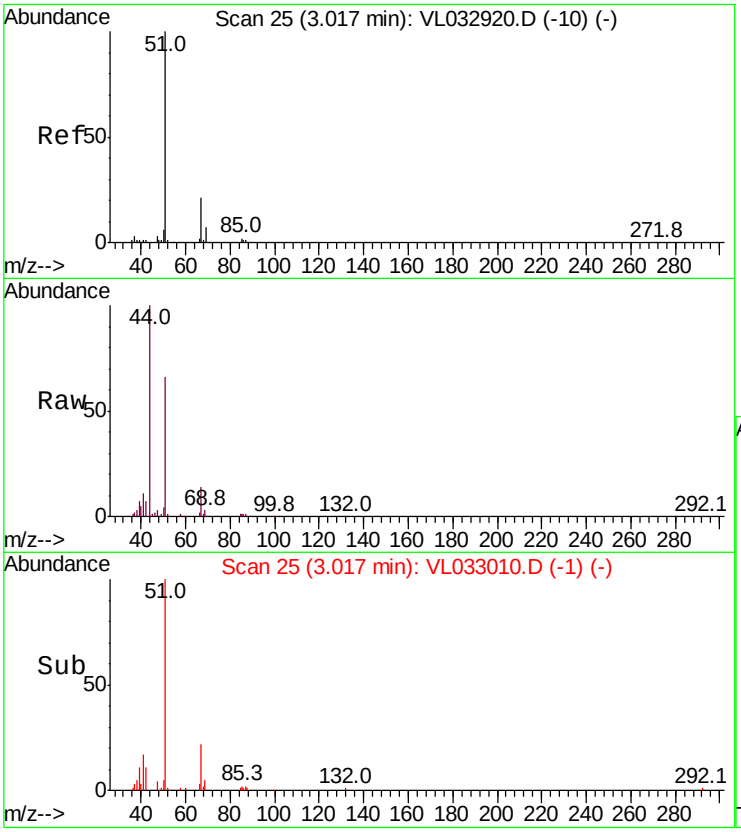


#2
Dichlorodifluoromethane
Concen: 0.672 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 85 Resp: 80686

Ion	Ratio	Lower	Upper
85	100		
87	30.1	25.7	38.5



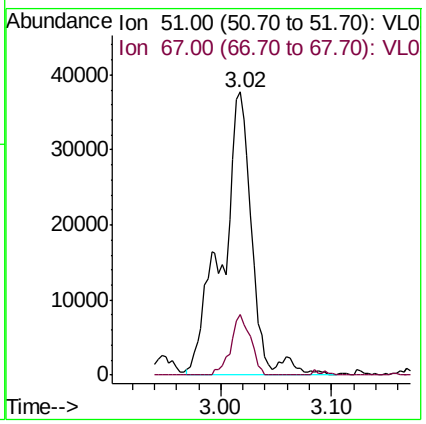


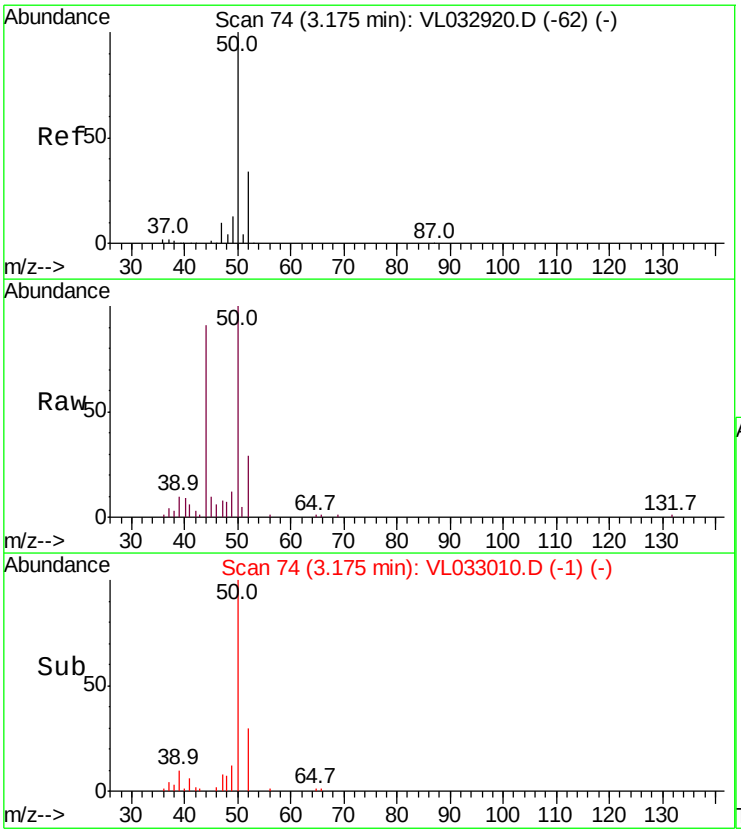
#3
Chlorodifluoromethane
Concen: 1.045 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 71154

Ion	Ratio	Lower	Upper
51	100		
67	14.0	16.8	25.2#

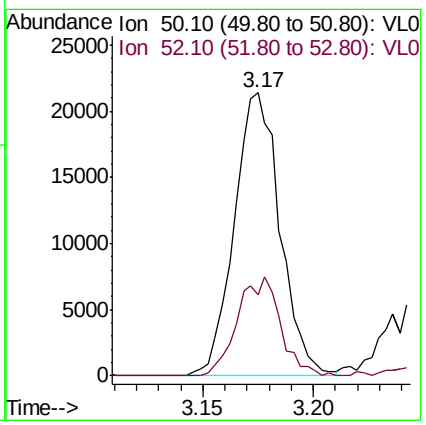


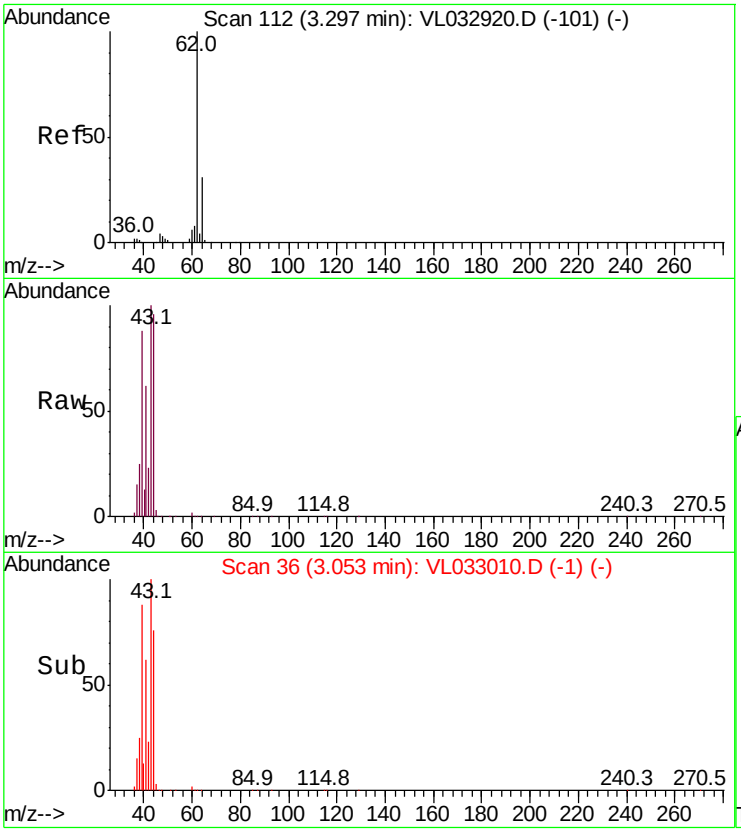


#4
Chloromethane
Concen: 0.777 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 50 Resp: 30801

Ion	Ratio	Lower	Upper
50	100		
52	28.9	27.3	40.9



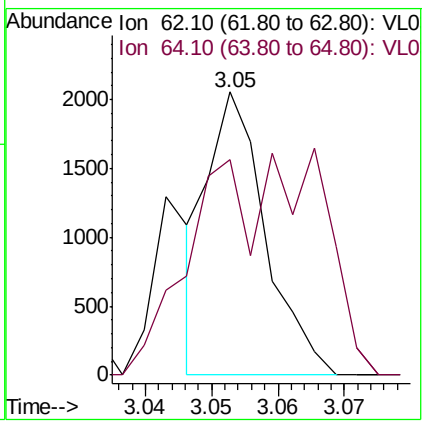


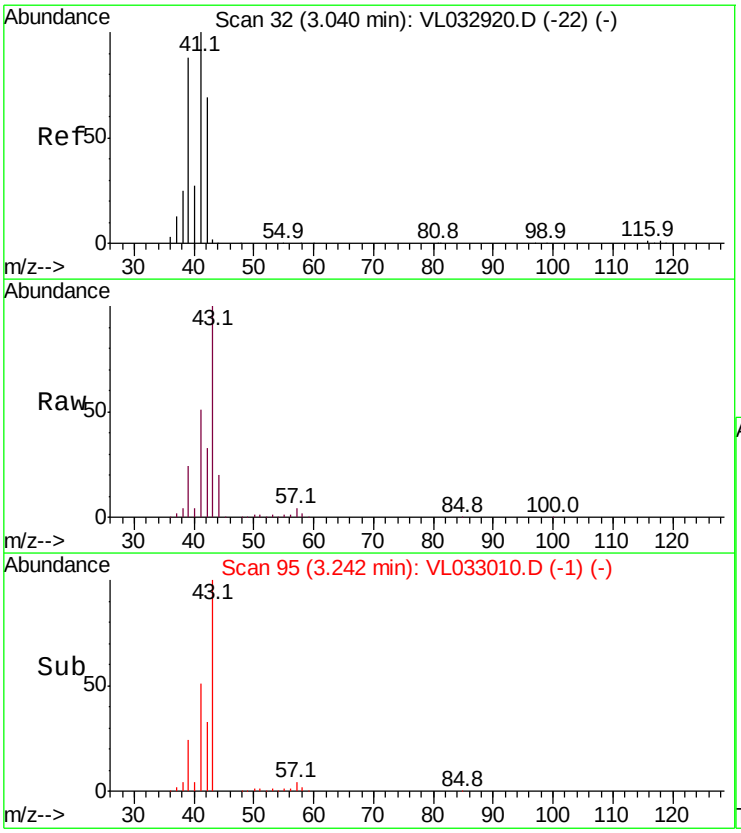
#5
Vinyl Chloride
Concen: 0.031 ppbv
RT: 3.05 min Scan# 36
Delta R.T. -0.24 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1248

Ion	Ratio	Lower	Upper
62	100		
64	41.2	24.8	37.2#

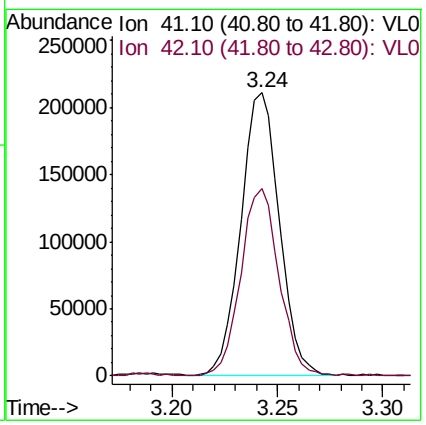


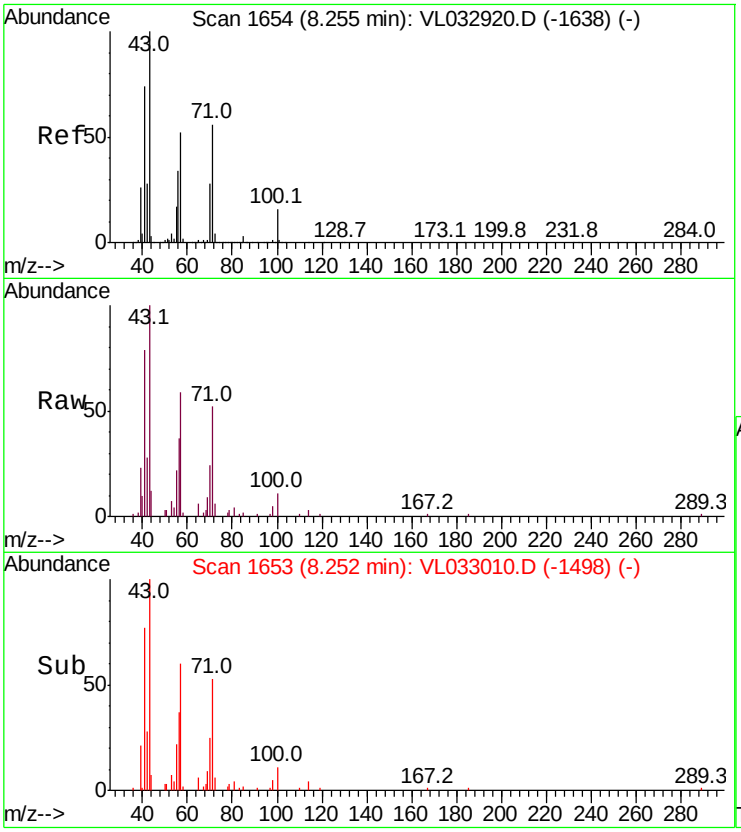


#9
Propene
Concen: 9.930 ppbv
RT: 3.24 min Scan# 95
Delta R.T. 0.20 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 41 Resp: 267369

Ion	Ratio	Lower	Upper
41	100		
42	66.2	56.2	84.2



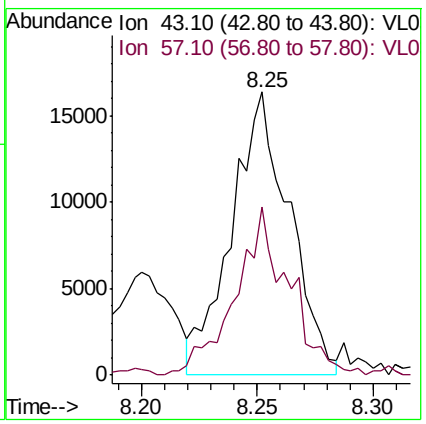


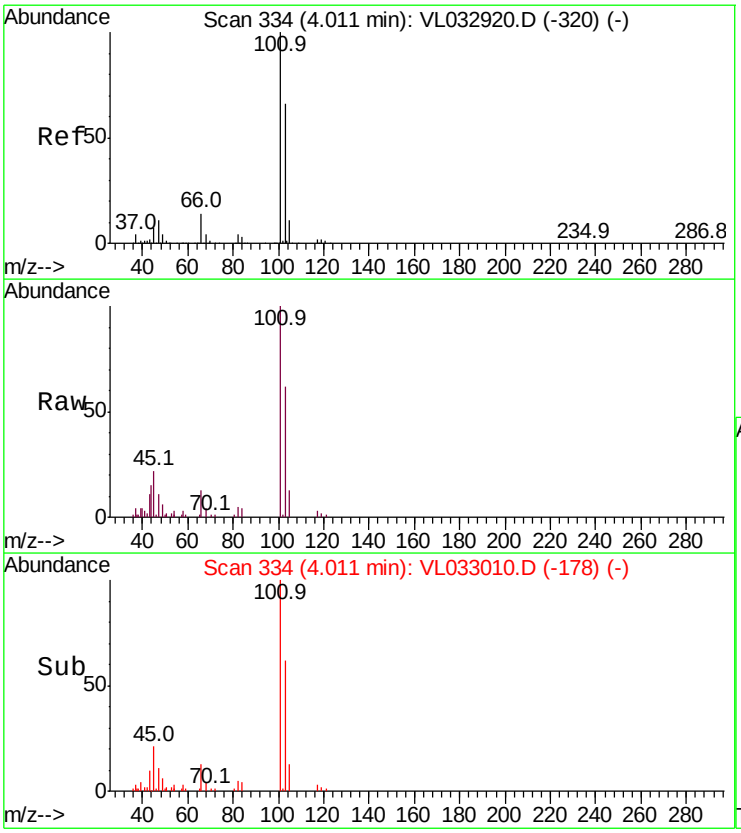
#10
Heptane
Concen: 0.282 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 28566

Ion	Ratio	Lower	Upper
43	100		
57	56.6	41.8	62.6

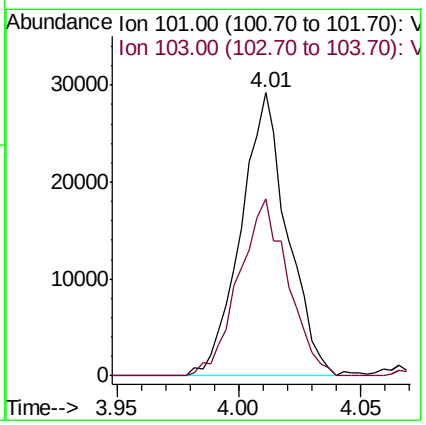


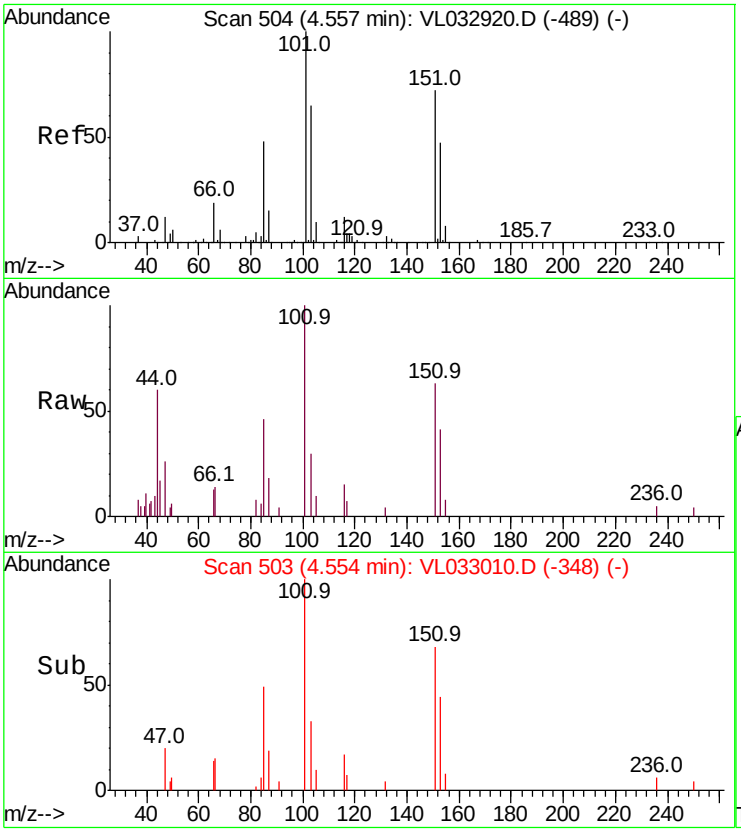


#11
Trichlorofluoromethane
Concen: 0.342 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:101 Resp: 38644

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.7	79.1



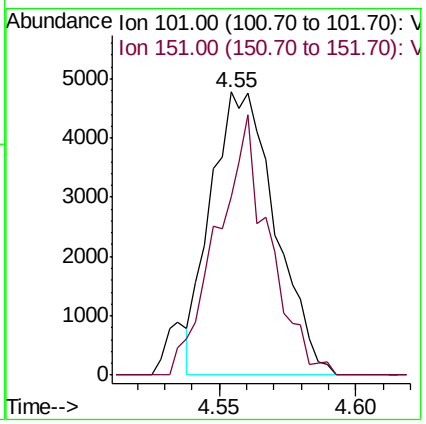


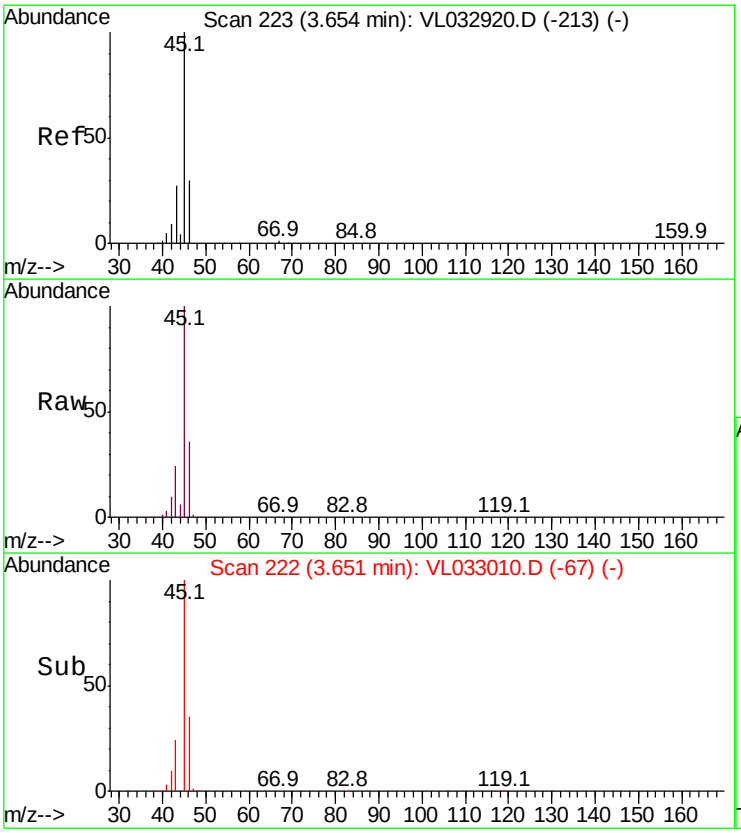
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.082 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 7896

Ion	Ratio	Lower	Upper
101	100		
151	74.1	59.3	88.9

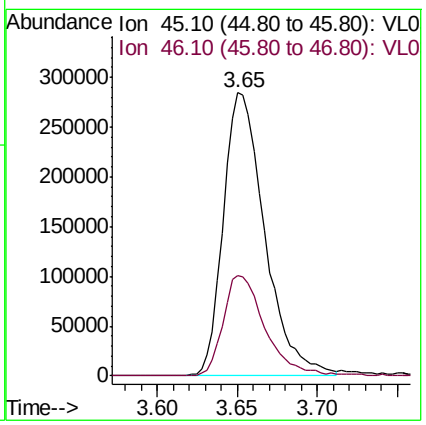


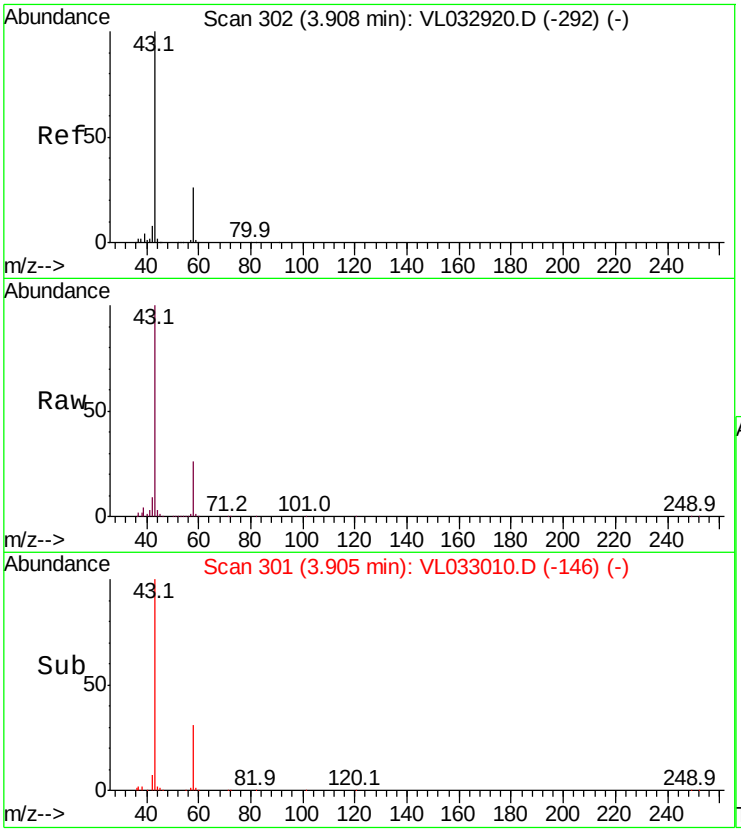


#13
Ethanol
Concen: 54.420 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 45 Resp: 504505

Ion	Ratio	Lower	Upper
45	100		
46	36.3	13.8	55.4



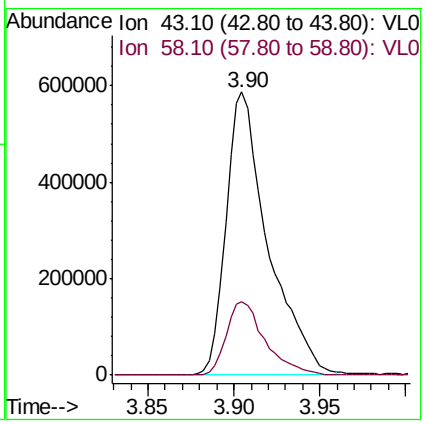


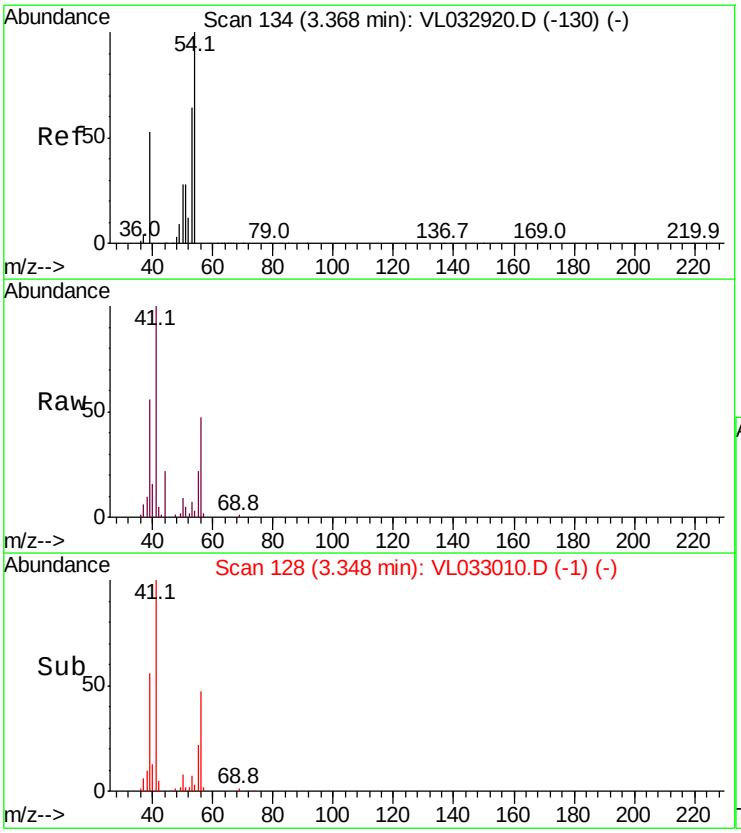
#15
Acetone
Concen: 12.919 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 997040

Ion	Ratio	Lower	Upper
43	100		
58	24.5	20.6	30.8

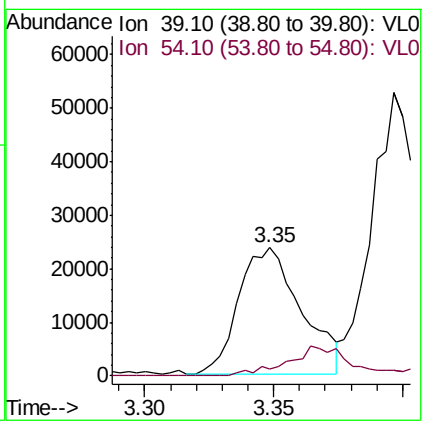


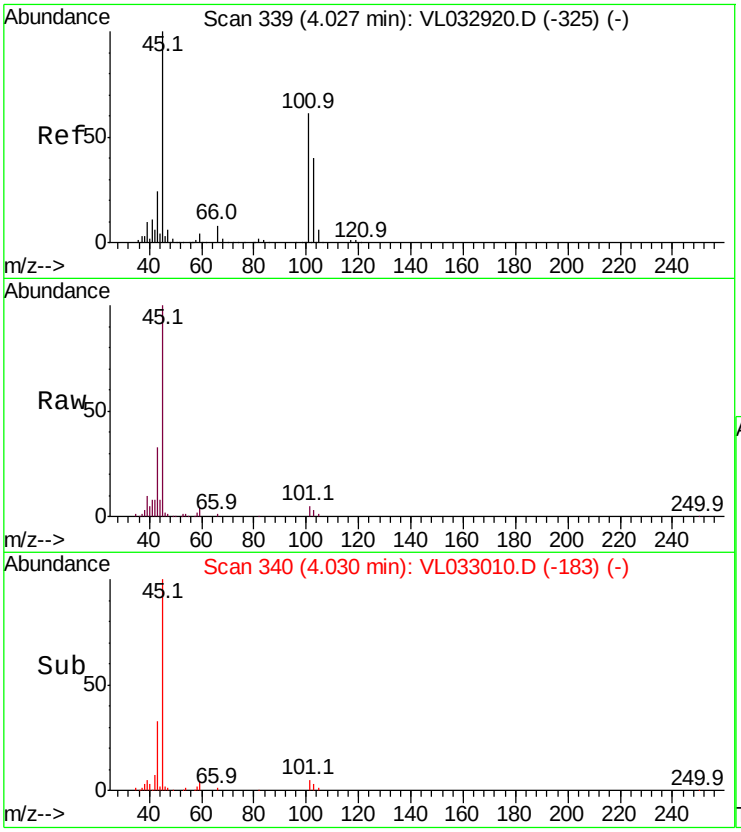


#16
1,3-Butadiene
Concen: 1.318 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 39 Resp: 40356

Ion	Ratio	Lower	Upper
39	100		
54	24.3	72.7	109.1#



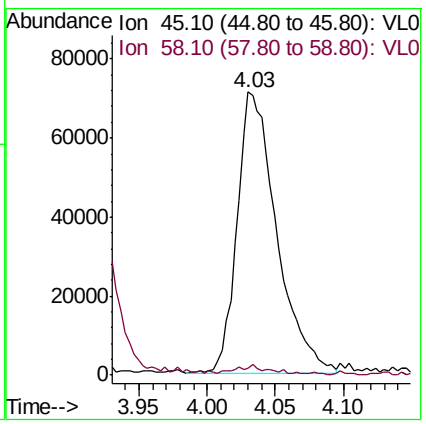


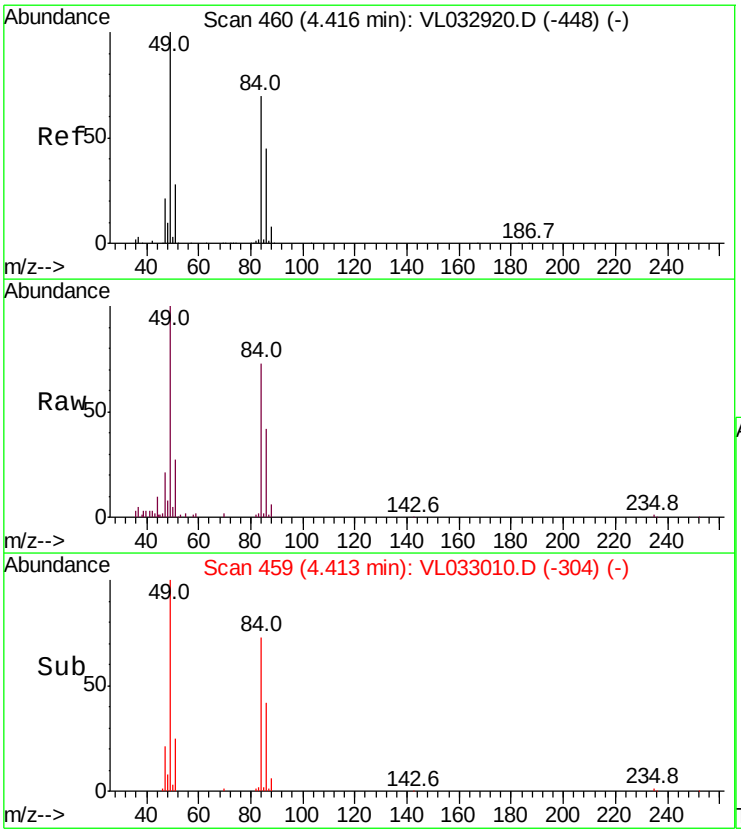
#19
Isopropyl Alcohol
Concen: 2.952 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 143047

Ion	Ratio	Lower	Upper
45	100		
58	170.7	1.4	2.2#

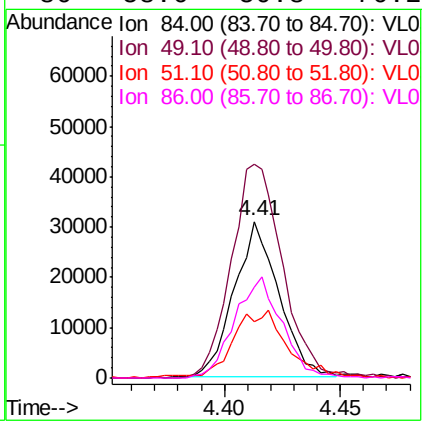


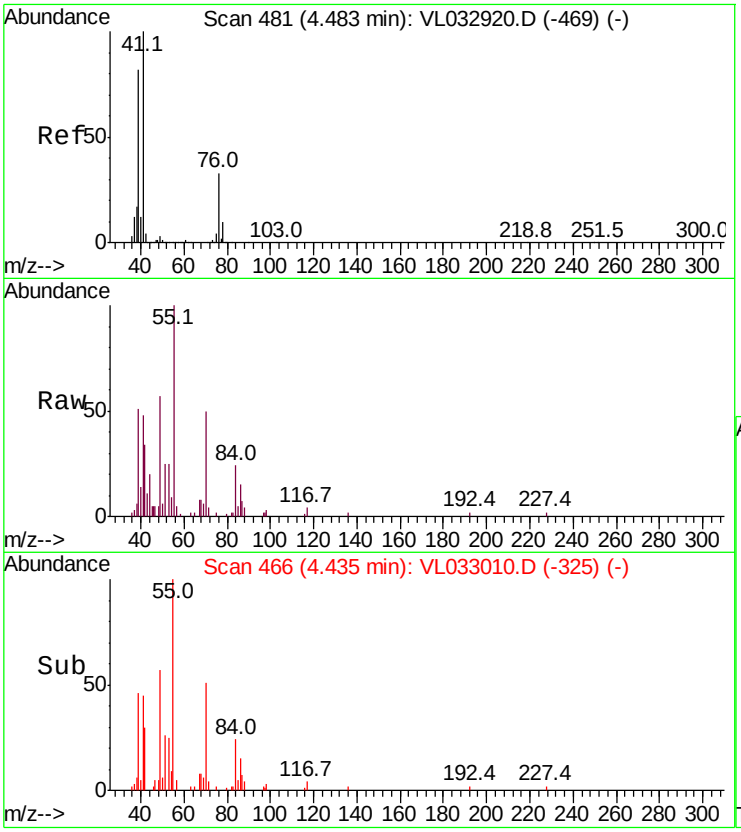


#20
Methylene Chloride
Concen: 1.088 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 84 Resp: 41022

Ion	Ratio	Lower	Upper
84	100		
49	137.1	113.8	170.8
51	35.1	31.8	47.8
86	58.6	50.8	76.2



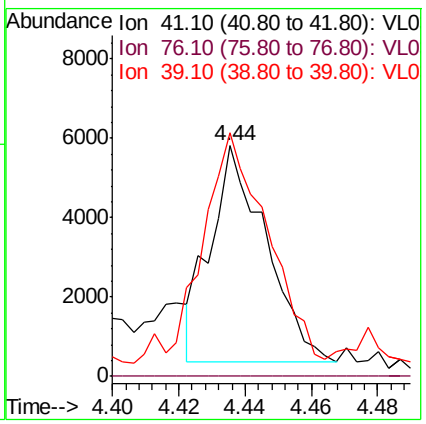


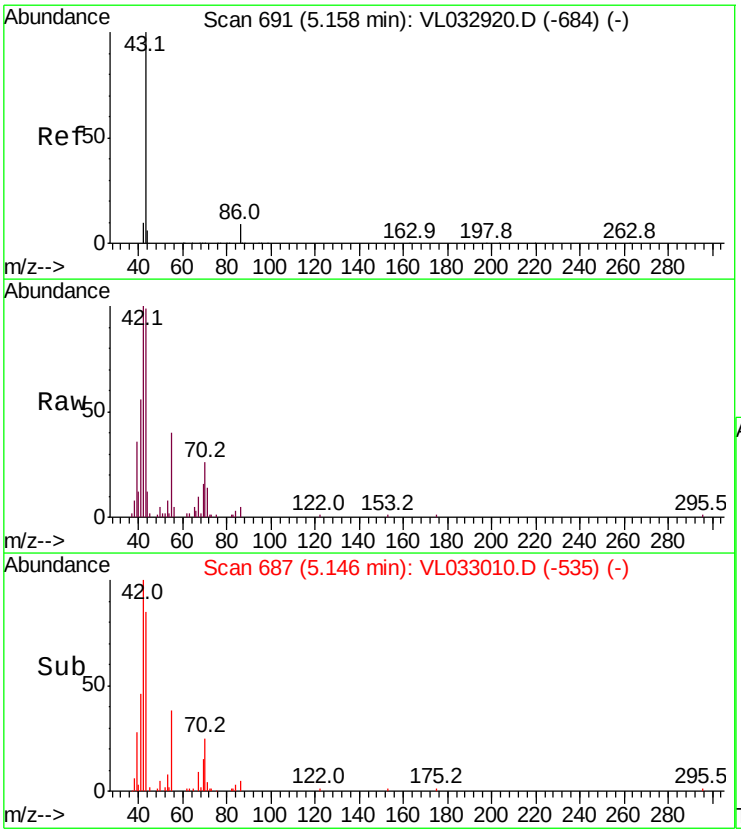
#21
Allvl Chloride
Concen: 0.100 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.05 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 6312

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	167.4	65.2	97.8#

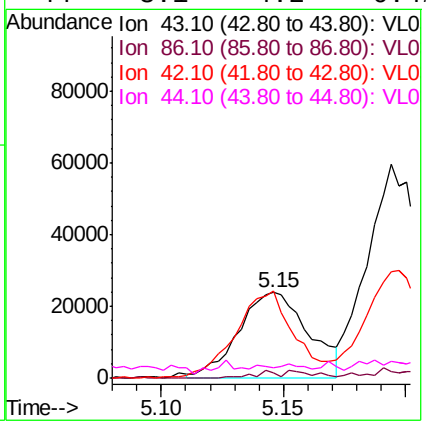


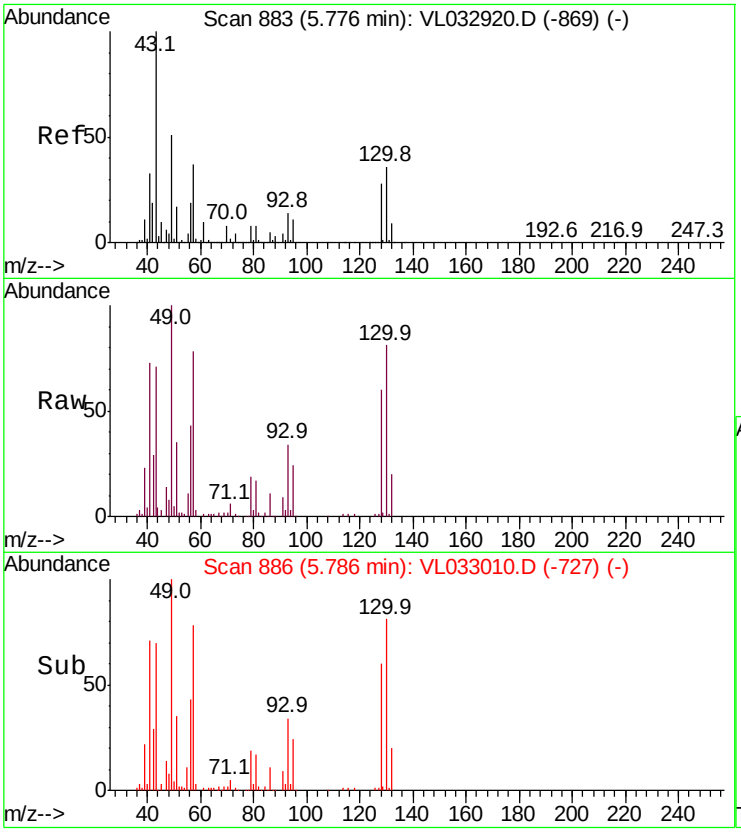


#23
Vinyl Acetate
Concen: 0.361 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 43 Resp: 47172

Ion	Ratio	Lower	Upper
43	100		
86	5.6	6.6	9.8#
42	103.0	8.3	12.5#
44	3.1	4.2	6.4#



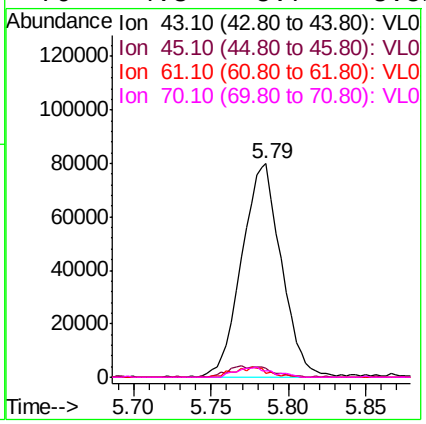


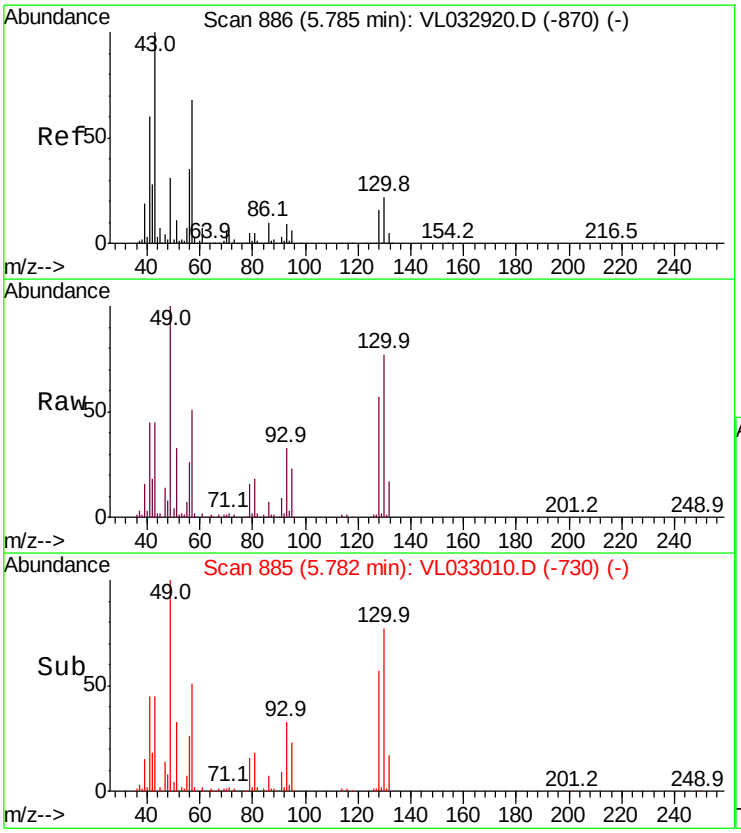
#25
Ethyl Acetate
Concen: 0.783 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 142677

Ion	Ratio	Lower	Upper
43	100		
45	6.1	7.8	11.6#
61	4.3	7.4	11.2#
70	4.3	5.7	8.5#

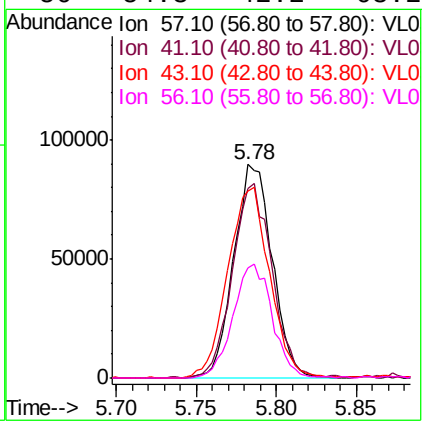


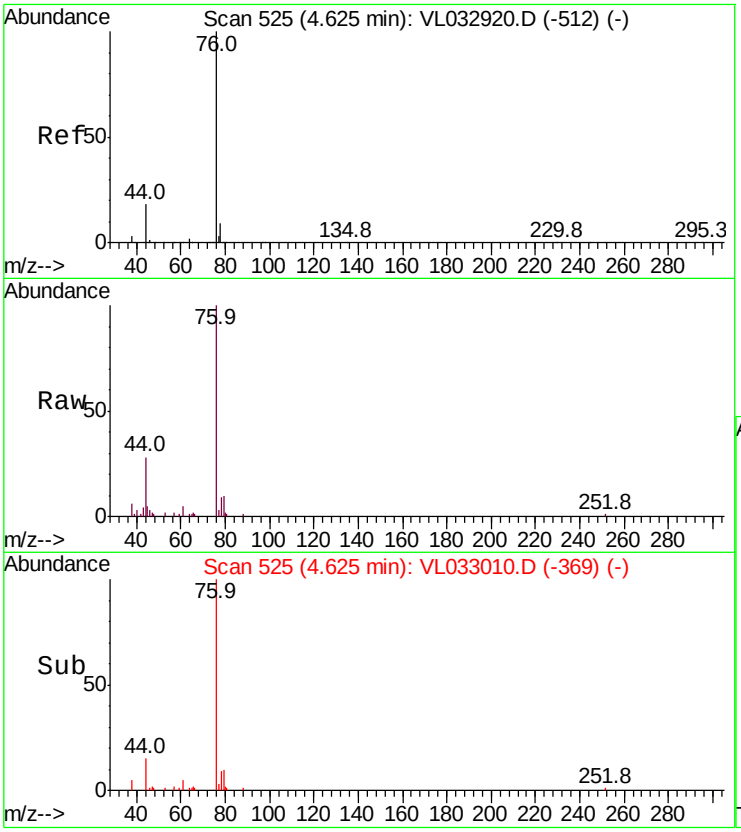


#26
Hexane
Concen: 1.746 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 57 Resp: 146927

Ion	Ratio	Lower	Upper
57	100		
41	94.0	72.2	108.2
43	98.0	171.9	257.9#
56	54.3	42.2	63.2



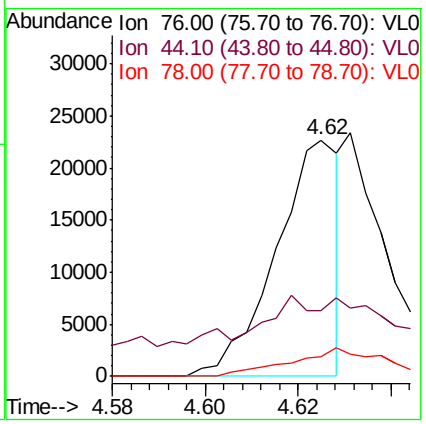


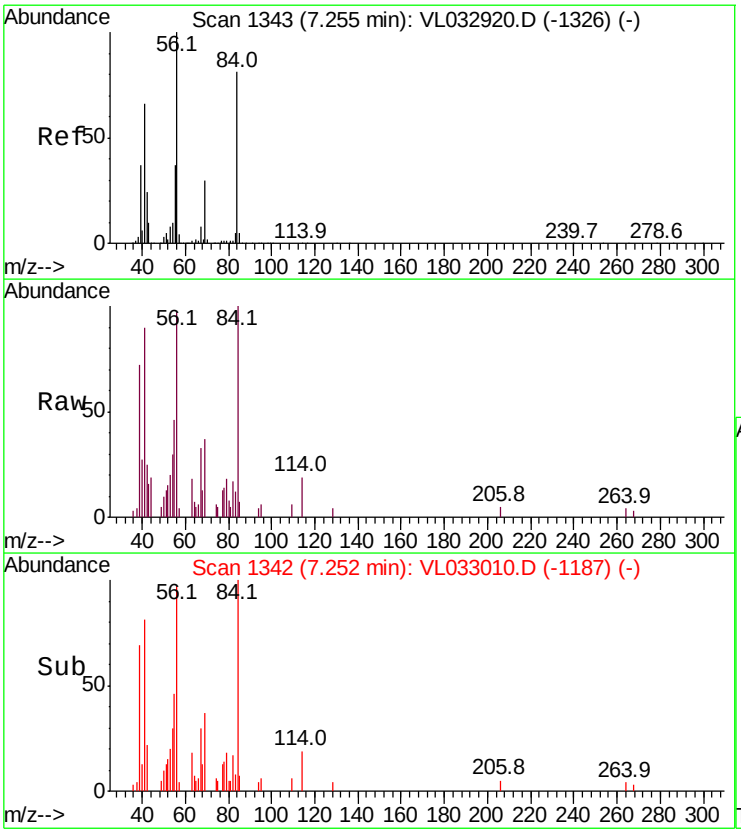
#27
Carbon Disulfide
Concen: 0.204 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 21420

Ion	Ratio	Lower	Upper
76	100		
44	61.8	14.7	22.1#
78	0.0	7.4	11.2#

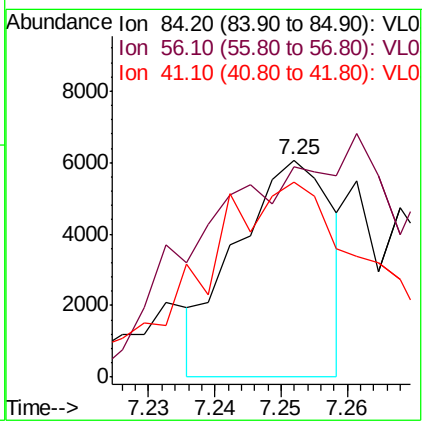


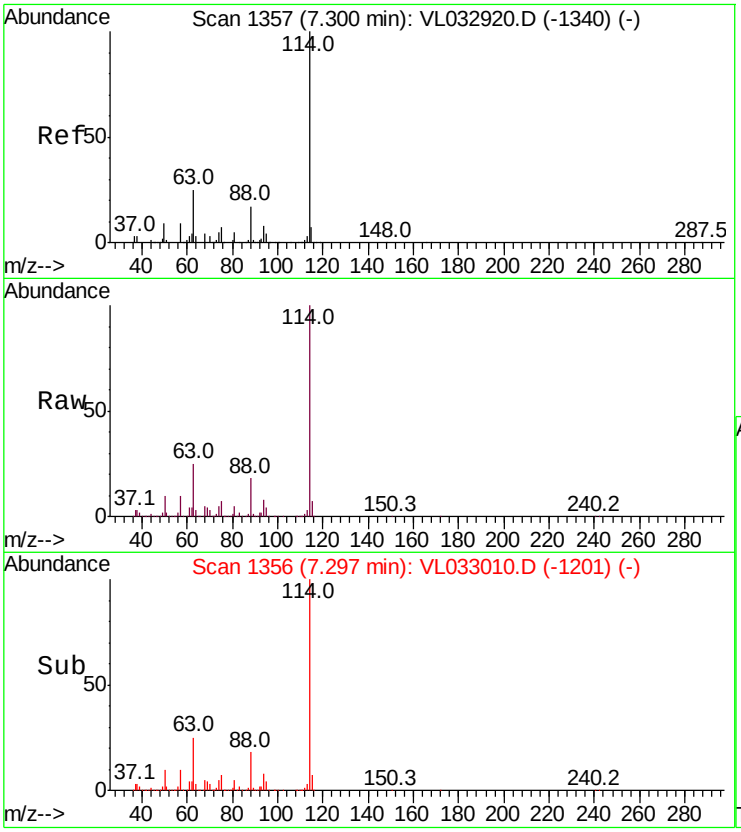


#30
Cyclohexane
Concen: 0.087 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 84 Resp: 6076

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.5	153.7#
41	180.0	64.1	96.1#



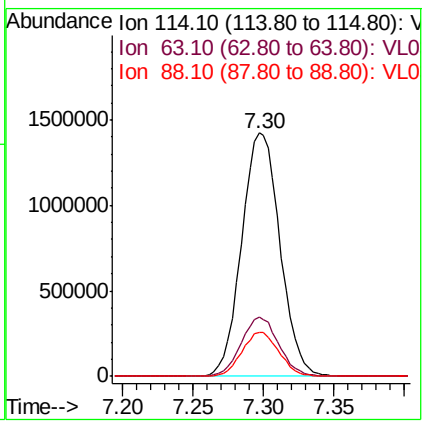


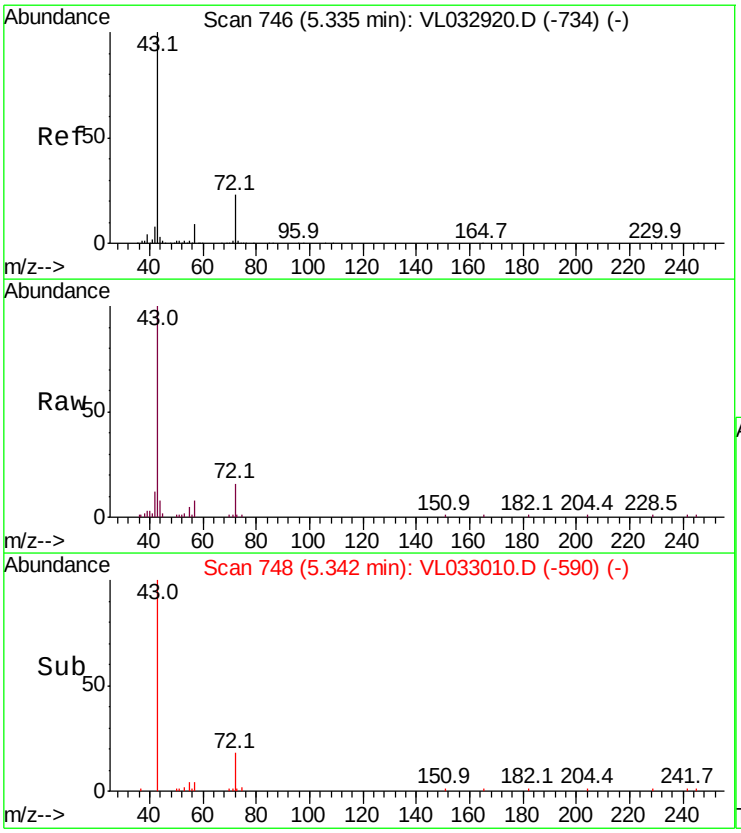
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2705126

Ion	Ratio	Lower	Upper
114	100		
63	24.0	20.1	30.1
88	17.7	14.2	21.4

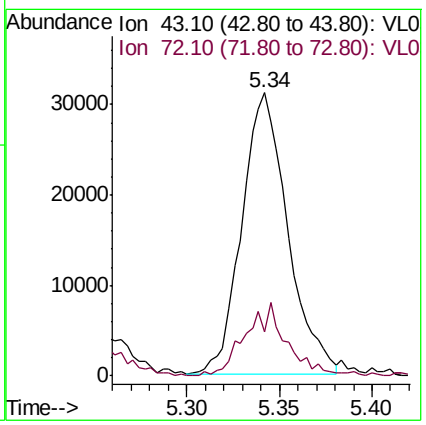


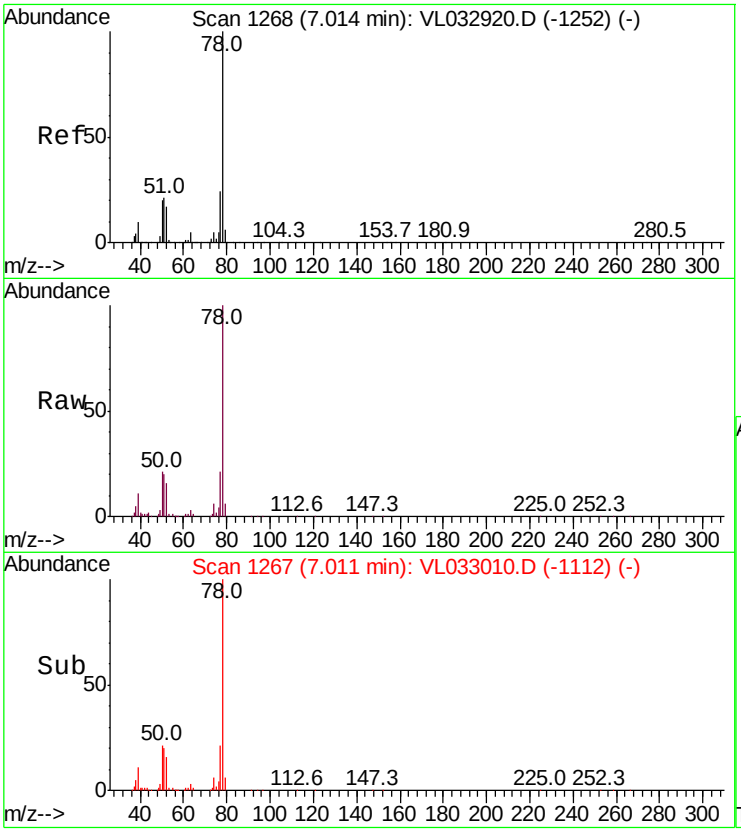


#34
2-Butanone
Concen: 0.452 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 43 Resp: 53240

Ion	Ratio	Lower	Upper
43	100		
72	24.1	18.8	28.2



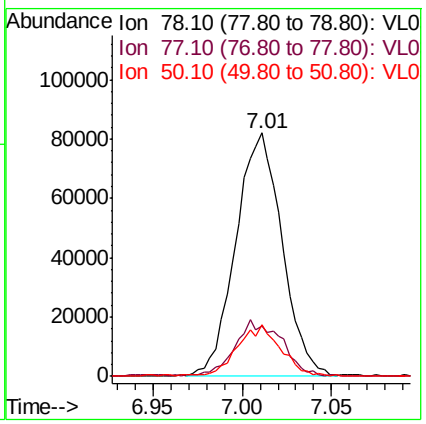


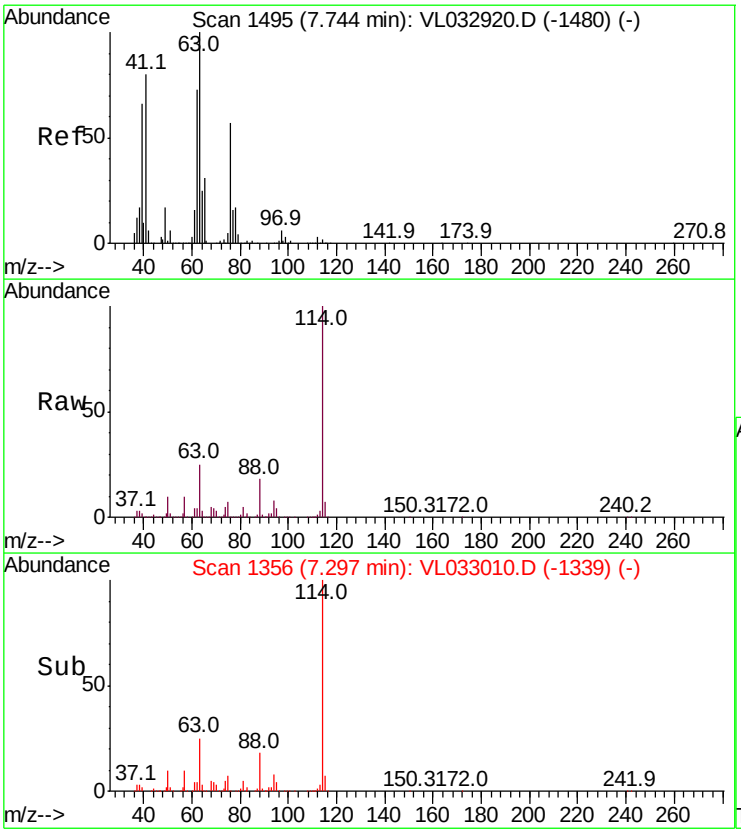
#36
Benzene
Concen: 0.747 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 148593

Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.9	28.3
50	20.8	16.1	24.1

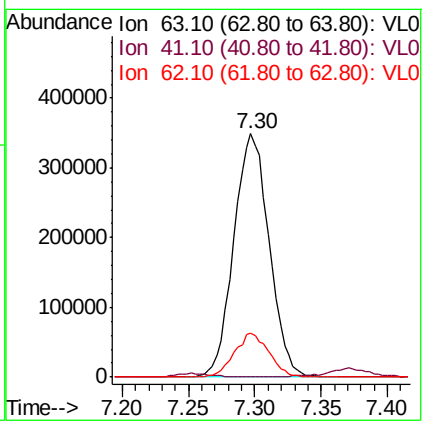


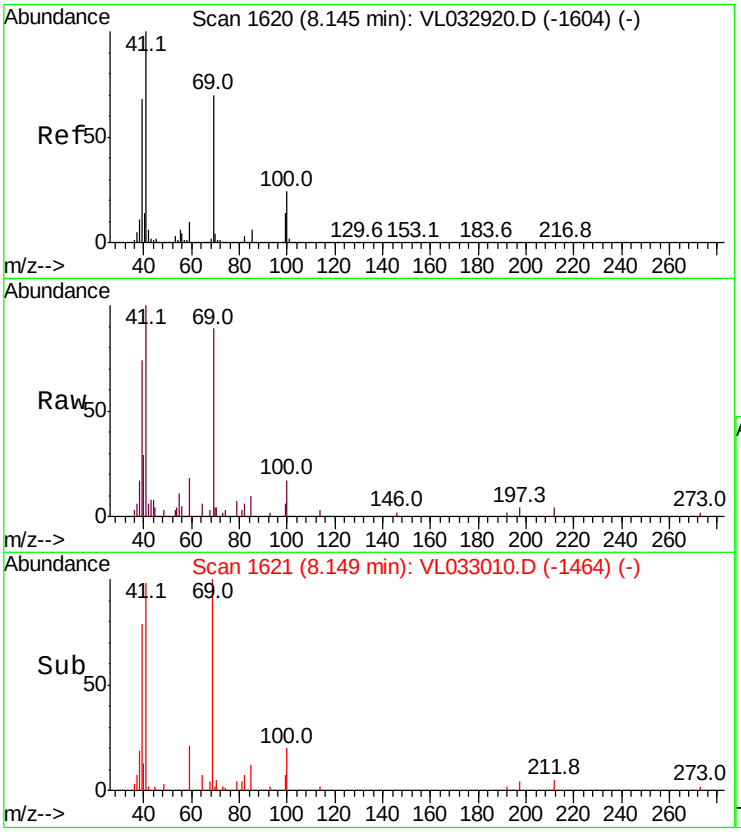


#39
1,2-Dichloropropane
Concen: 8.567 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 63 Resp: 646427

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	18.0	58.8	88.2#



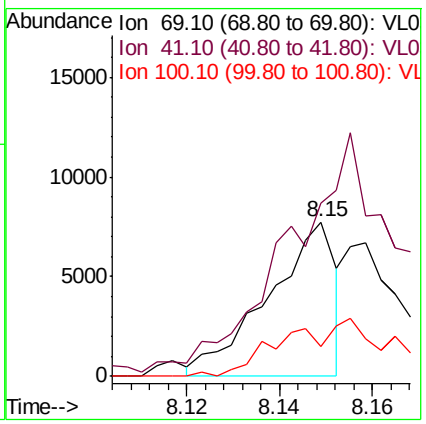


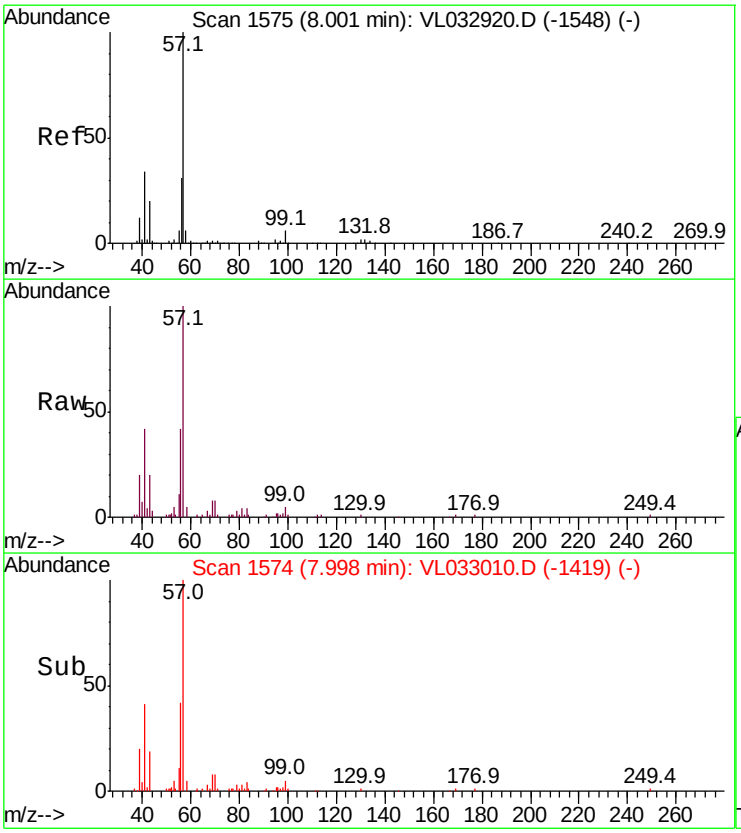
#43
Methyl Methacrylate
Concen: 0.105 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 7762

Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.6	175.0#
100	0.0	26.5	39.7#

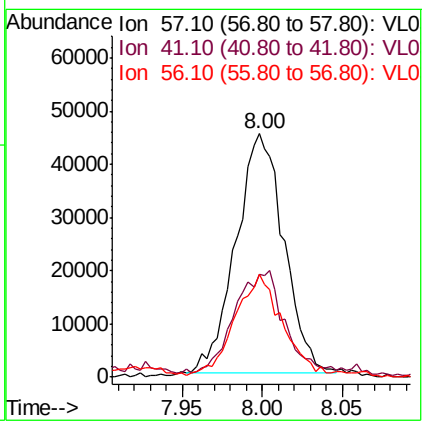


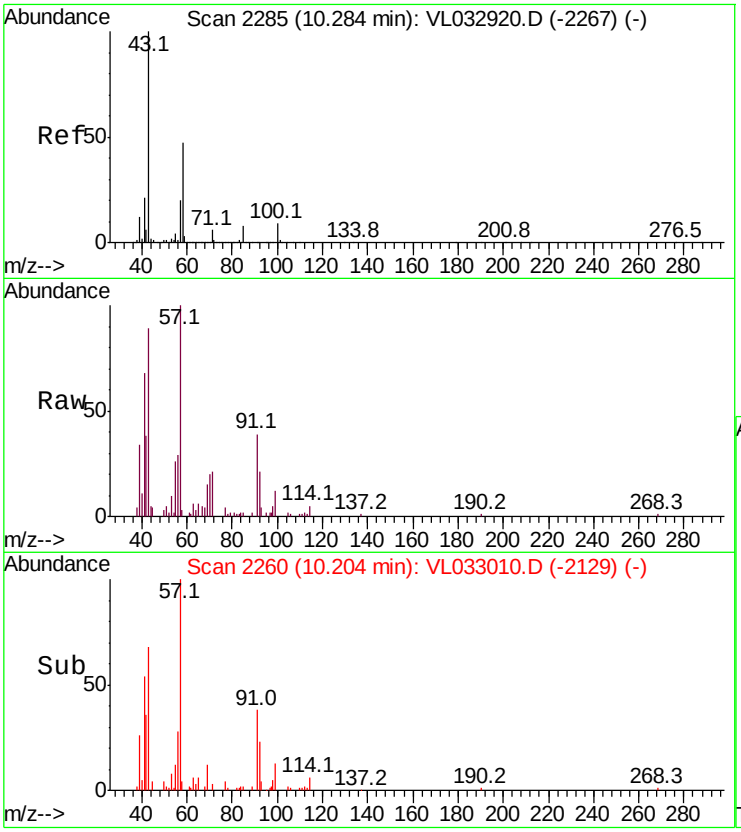


#44
2,2,4-Trimethylpentane
Concen: 0.272 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 57 Resp: 91935

Ion	Ratio	Lower	Upper
57	100		
41	49.7	27.0	40.4#
56	45.1	24.6	37.0#



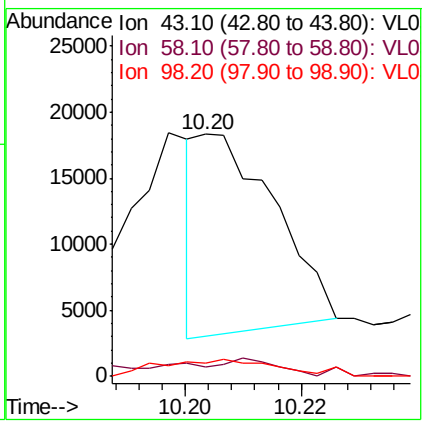


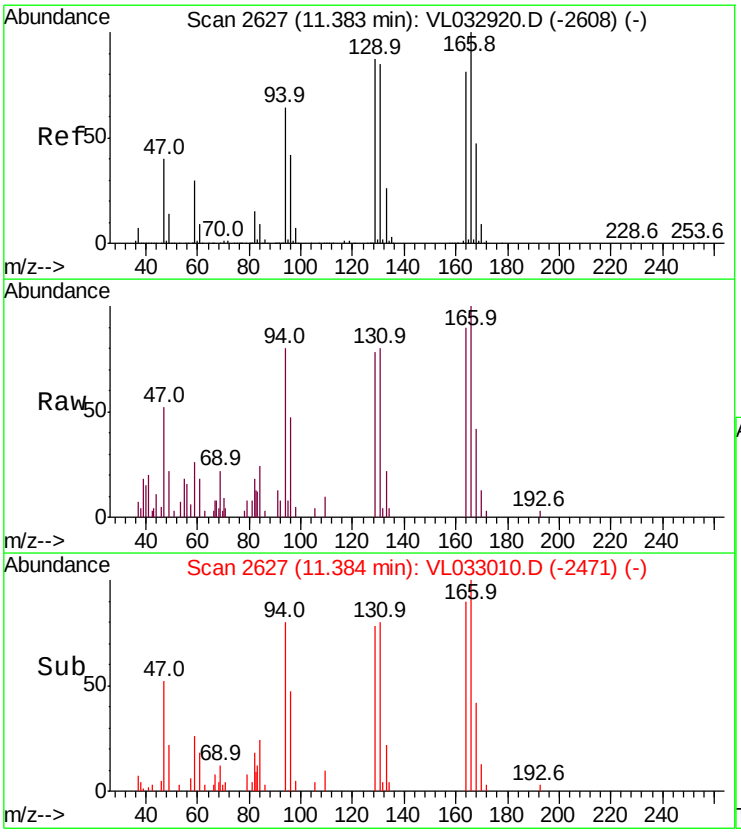
#51
2-Hexanone
Concen: 0.108 ppbv
RT: 10.20 min Scan# 2260
Delta R.T. -0.08 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 13842

Ion	Ratio	Lower	Upper
43	100		
58	17.3	38.1	57.1#
98	15.2	0.4	0.6#

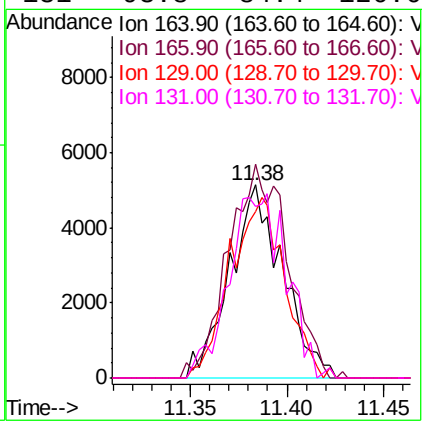


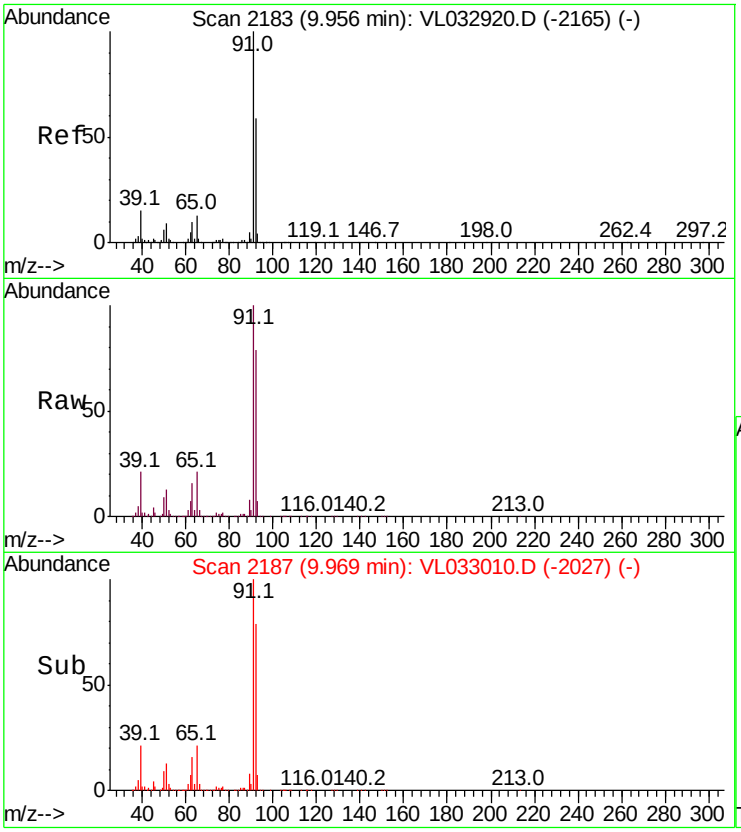


#52
Tetrachloroethene
Concen: 0.135 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:164 Resp: 9779

Ion	Ratio	Lower	Upper
164	100		
166	110.5	98.8	148.2
129	86.4	85.5	128.3
131	93.8	84.4	126.6



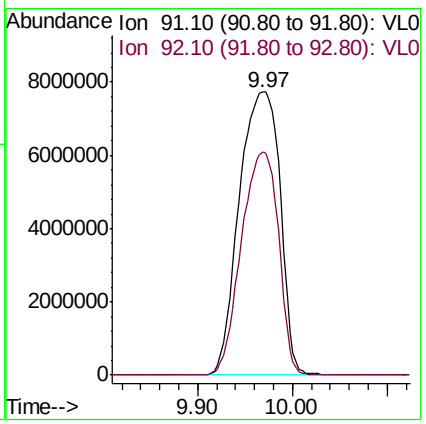


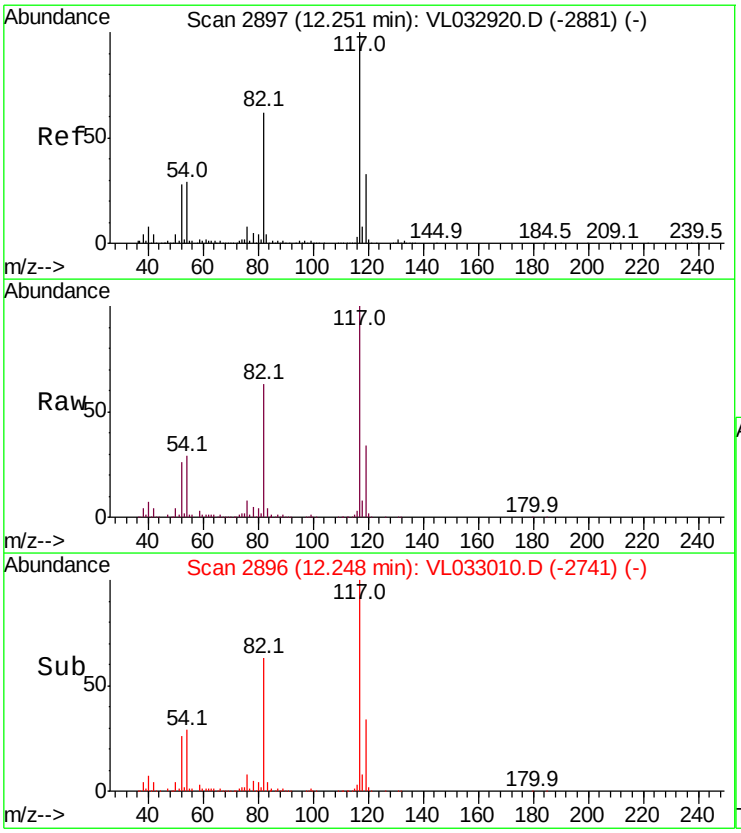
#53
Toluene
Concen: 110.200 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp:23254373

Ion	Ratio	Lower	Upper
91	100		
92	71.9	47.4	71.0#

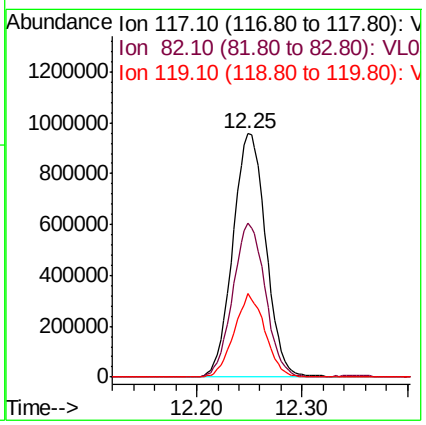


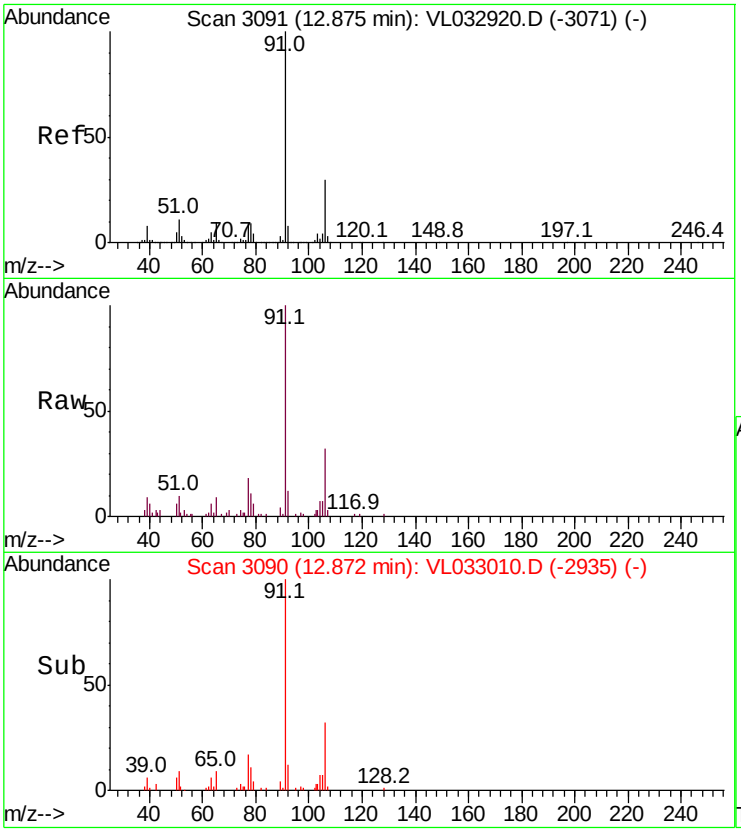


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:117 Resp: 2081215

Ion	Ratio	Lower	Upper
117	100		
82	62.2	47.8	71.8
119	32.0	43.1	64.7#



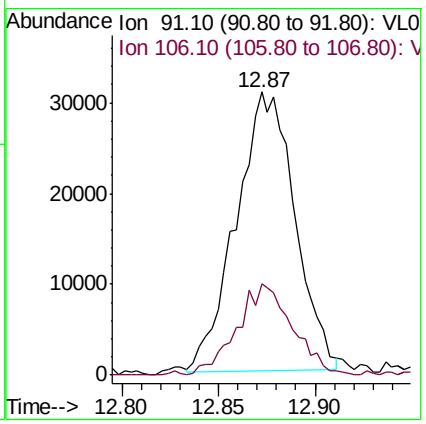


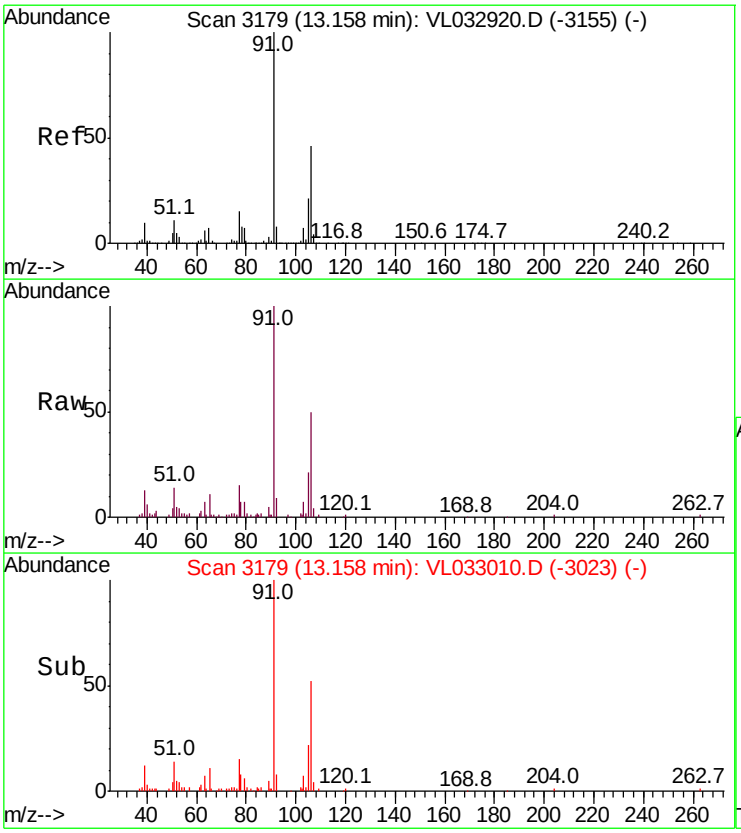
#58
Ethyl Benzene
Concen: 0.293 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 65143

Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.9	35.9

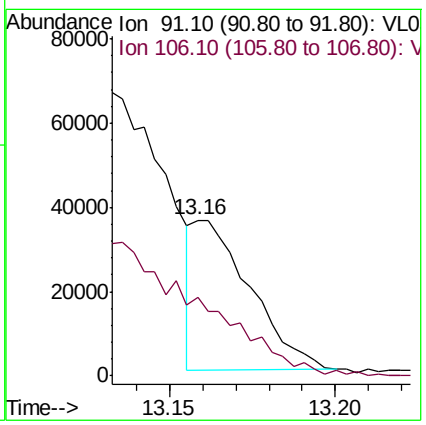


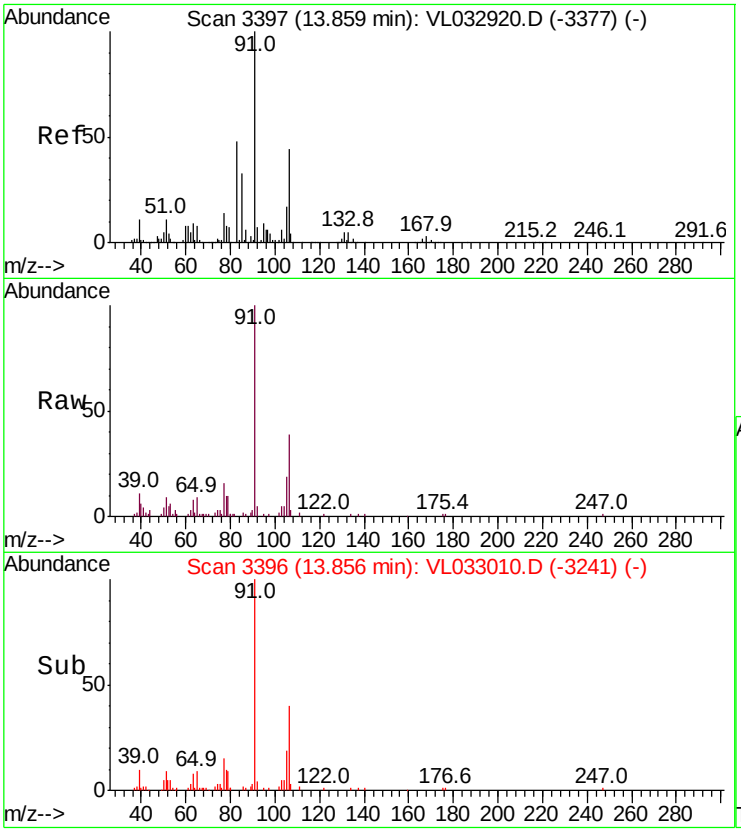


#59
m/p-Xylene
Concen: 0.208 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 91 Resp: 41911

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



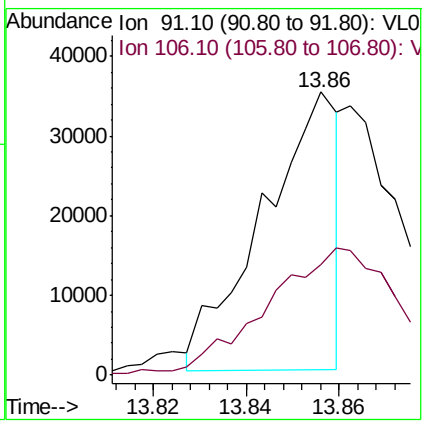


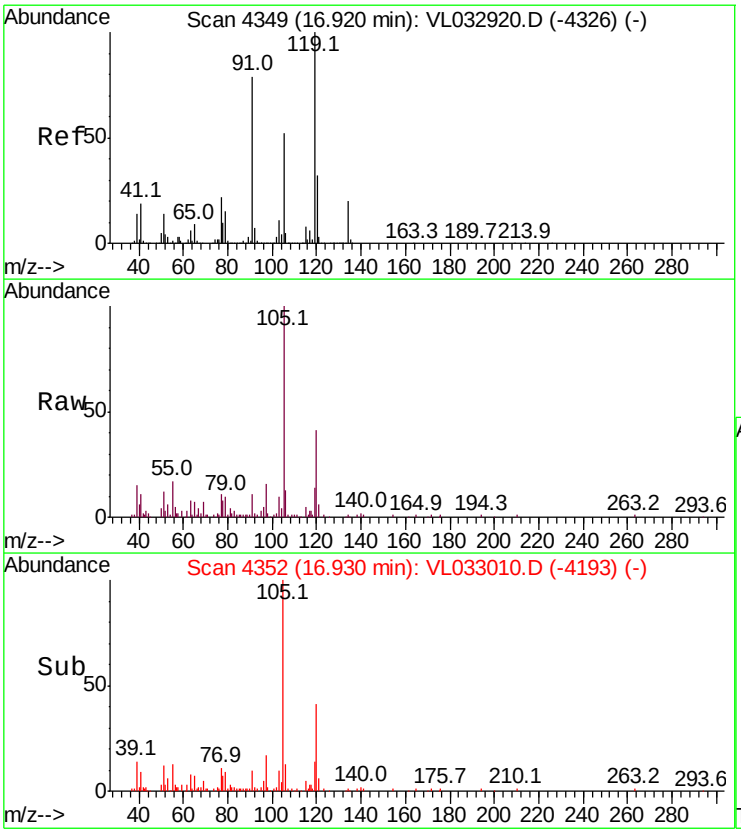
#60
o-Xylene
Concen: 0.195 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 39602

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.8#

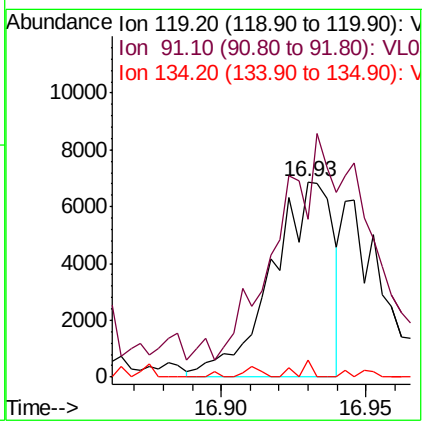


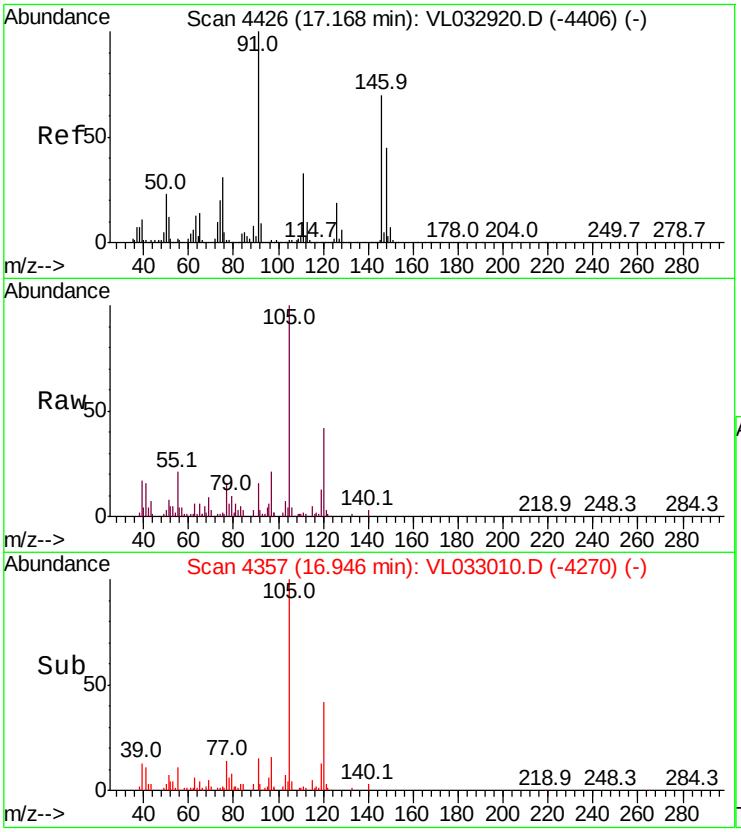


#65
tert-Butylbenzene
Concen: 0.038 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:119 Resp: 10042

Ion	Ratio	Lower	Upper
119	100		
91	185.1	64.5	96.7#
134	2.4	15.7	23.5#



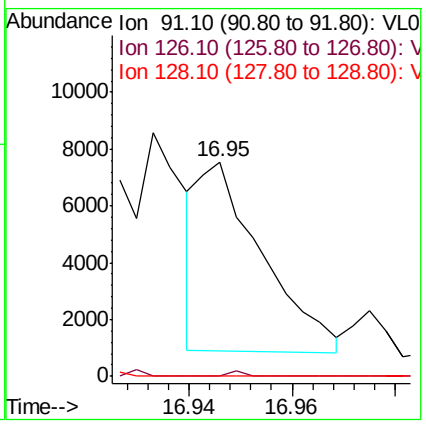


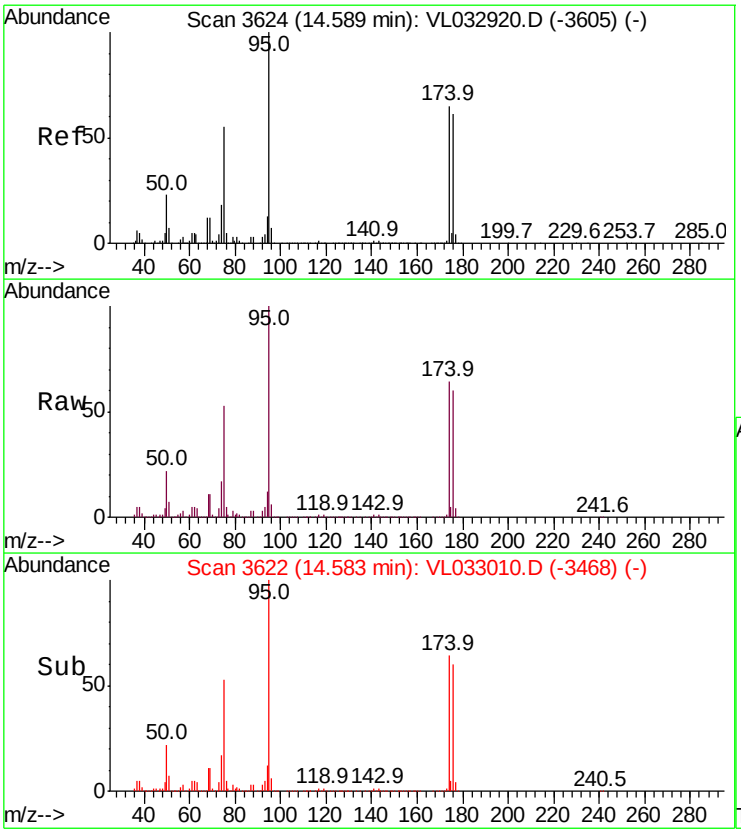
#66
Benzyl Chloride
Concen: 0.039 ppbv
RT: 16.95 min Scan# 4357
Delta R.T. -0.22 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 5701

Ion	Ratio	Lower	Upper
91	100		
126	0.8	14.1	21.1#
128	0.0	4.5	6.7#

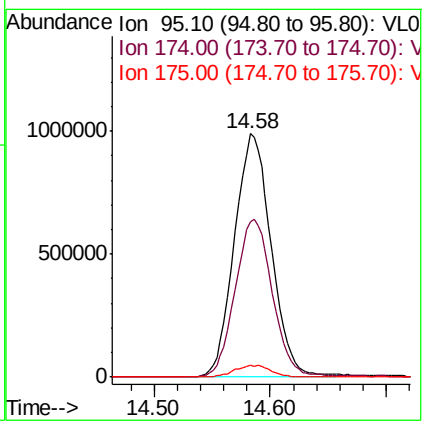


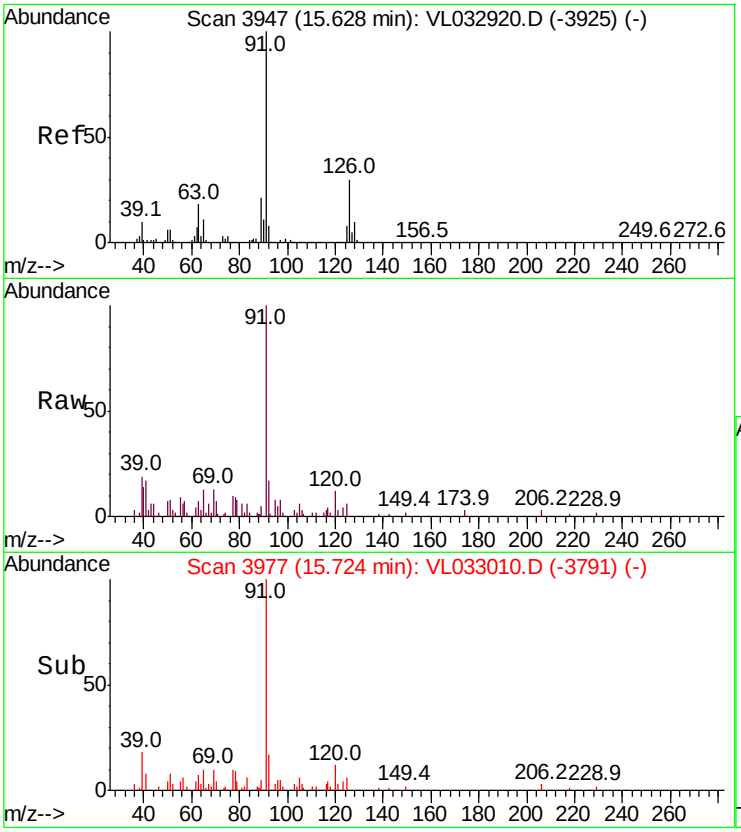


#68
1-Bromo-4-Fluorobenzene
Concen: 14.191 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion: 95 Resp: 2181990

Ion	Ratio	Lower	Upper
95	100		
174	66.5	51.4	77.0
175	4.9	3.8	5.6



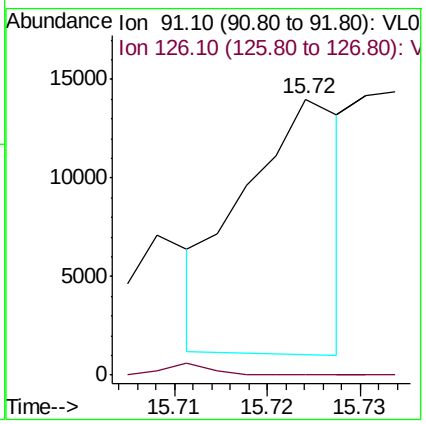


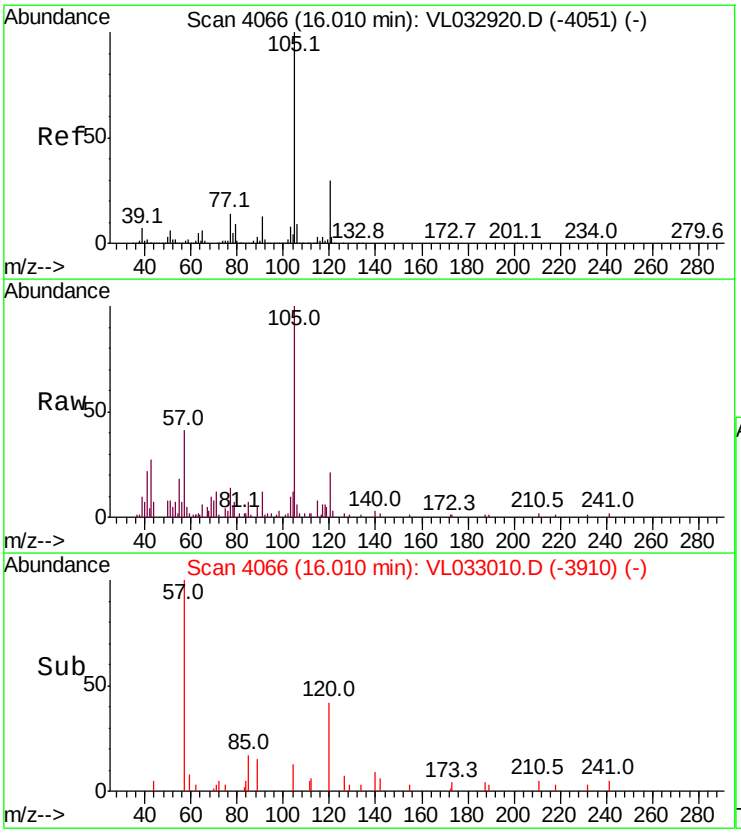
#71
2-Chlorotoluene
Concen: 0.046 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.10 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 9607

Ion	Ratio	Lower	Upper
91	100		
126	2.1	12.3	49.3#

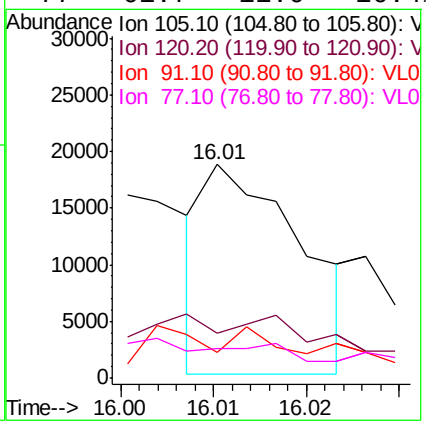


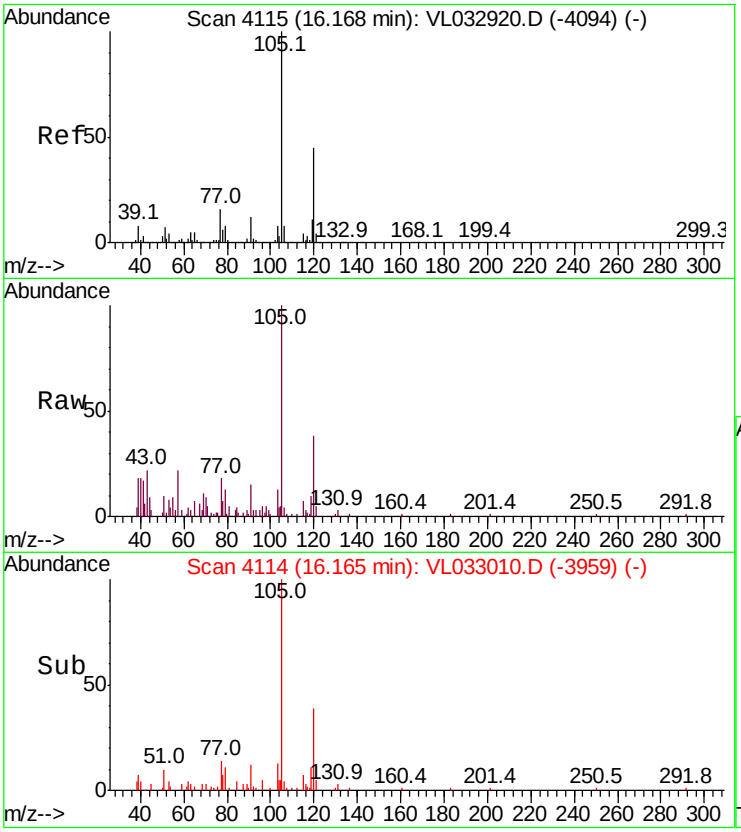


#72
4-Ethyltoluene
Concen: 0.059 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:105 Resp: 13465

Ion	Ratio	Lower	Upper
105	100		
120	78.5	23.0	34.4#
91	58.0	10.4	15.6#
77	61.7	11.0	16.4#



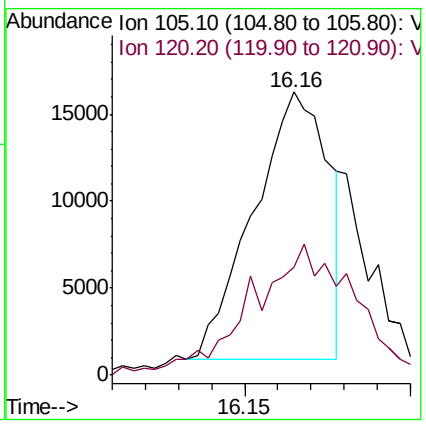


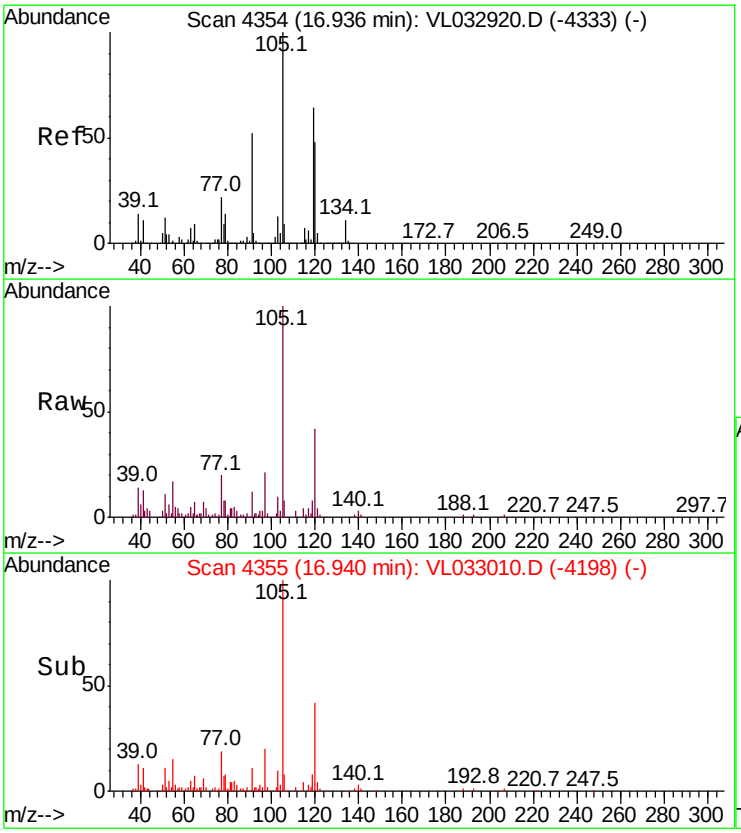
#73
1,3,5-Trimethylbenzene
Concen: 0.109 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 24207

Ion	Ratio	Lower	Upper
105	100		
120	34.5	36.0	54.0#





#74
1,2,4-Trimethylbenzene
Concen: 0.501 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL033010.D
Acq: 18 Dec 2018 00:30

Tgt Ion:105 Resp: 125294

Ion	Ratio	Lower	Upper
105	100		
120	43.5	38.6	58.0
91	10.8	41.7	62.5#
77	19.1	17.4	26.2