Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032755.D
Acq On : 14 Nov 2018 12:25
Operator : SY/AP
Sample : J5891-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Quant Time: Nov 15 04:53:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1391906	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3447922	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3274050	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2421708	9.89	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	108146	0.541	ppbv		98
3) Chlorodifluoromethane	3.02	51	173490	1.572	ppbv	#	81
4) Chloromethane	3.18	50	33539	0.548	ppbv	#	81
9) Propene	3.25	41	75145	1.702	ppbv		85
10) Heptane	8.25	43	90437	0.536	ppbv		98
11) Trichlorofluoromethane	4.01	101	42768	0.227	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.55	101	5990	0.039	ppbv	#	14
13) Ethanol	3.66	45	1579148	109.175	ppbv		99
15) Acetone	3.91	43	775557	6.101	ppbv		97
16) 1,3-Butadiene	3.36	39	3677	0.075	ppbv	#	22
17) tert-Butyl alcohol	4.37	59	4044	0.101	ppbv	#	73
19) Isopropyl Alcohol	4.04	45	209469	2.474	ppbv	#	1
20) Methylene Chloride	4.41	84	323427	4.915	ppbv		95
21) Allyl Chloride	4.44	41	12620	0.118	ppbv	#	52
23) Vinyl Acetate	5.15	43	26456	0.114	ppbv	#	1
25) Ethyl Acetate	5.78	43	401990	1.357	ppbv	#	81
26) Hexane	5.79	57	541089	4.103	ppbv	#	45
29) Chloroform	5.85	83	14418	0.061	ppbv		99
30) Cyclohexane	7.25	84	20418	0.177	ppbv	#	13
34) 2-Butanone	5.34	43	112063	0.627	ppbv		97
35) Carbon Tetrachloride	7.14	117	12894	0.047	ppbv		90
36) Benzene	7.01	78	131908	0.480	ppbv		99
39) 1,2-Dichloropropane	7.30	63	850959	8.135	ppbv	#	24
41) Tetrahydrofuran	6.16	42	7573	0.074	ppbv	#	35
44) 2,2,4-Trimethylpentane	7.99	57	416874	0.909	ppbv	#	86
51) 2-Hexanone	10.25	43	13726	0.076	ppbv	#	48
53) Toluene	9.95	91	3369624	11.764	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.44	131	12708	0.083	ppbv	#	1
58) Ethyl Benzene	12.87	91	223289	0.567	ppbv		94
59) m/p-Xylene	13.13	91	585343	1.669	ppbv	#	82
60) o-Xylene	13.85	91	285426	0.809	ppbv		100
62) Isopropylbenzene	14.83	105	17922	0.038	ppbv	#	50
64) n-propylbenzene	15.72	120	18961	0.151	ppbv	#	1
67) sec-Butylbenzene	17.46	105	18746	0.030	ppbv		98
69) p-Isopropyltoluene	17.81	119	28005	0.057	ppbv	#	83
70) n-Butylbenzene	18.71	91	16570	0.033	ppbv	#	31
72) 4-Ethyltoluene	16.00	105	150303	0.389	ppbv		97
73) 1,3,5-Trimethylbenzene	16.16	105	76136	0.201	ppbv		91
74) 1,2,4-Trimethylbenzene	16.93	105	243217	0.601	ppbv	#	71
79) Naphthalene	22.42	128	18830	0.071	ppbv	#	95
80) Naphthalene,2-methyl-	25.12	142	3052	0.046	ppbv	#	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

Quantitation Report (Not Reviewed)

Data File : VL032755.D
Acq On : 14 Nov 2018 12:25
Operator : SY/AP
Sample : J5891-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Quant Time: Nov 15 04:53:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

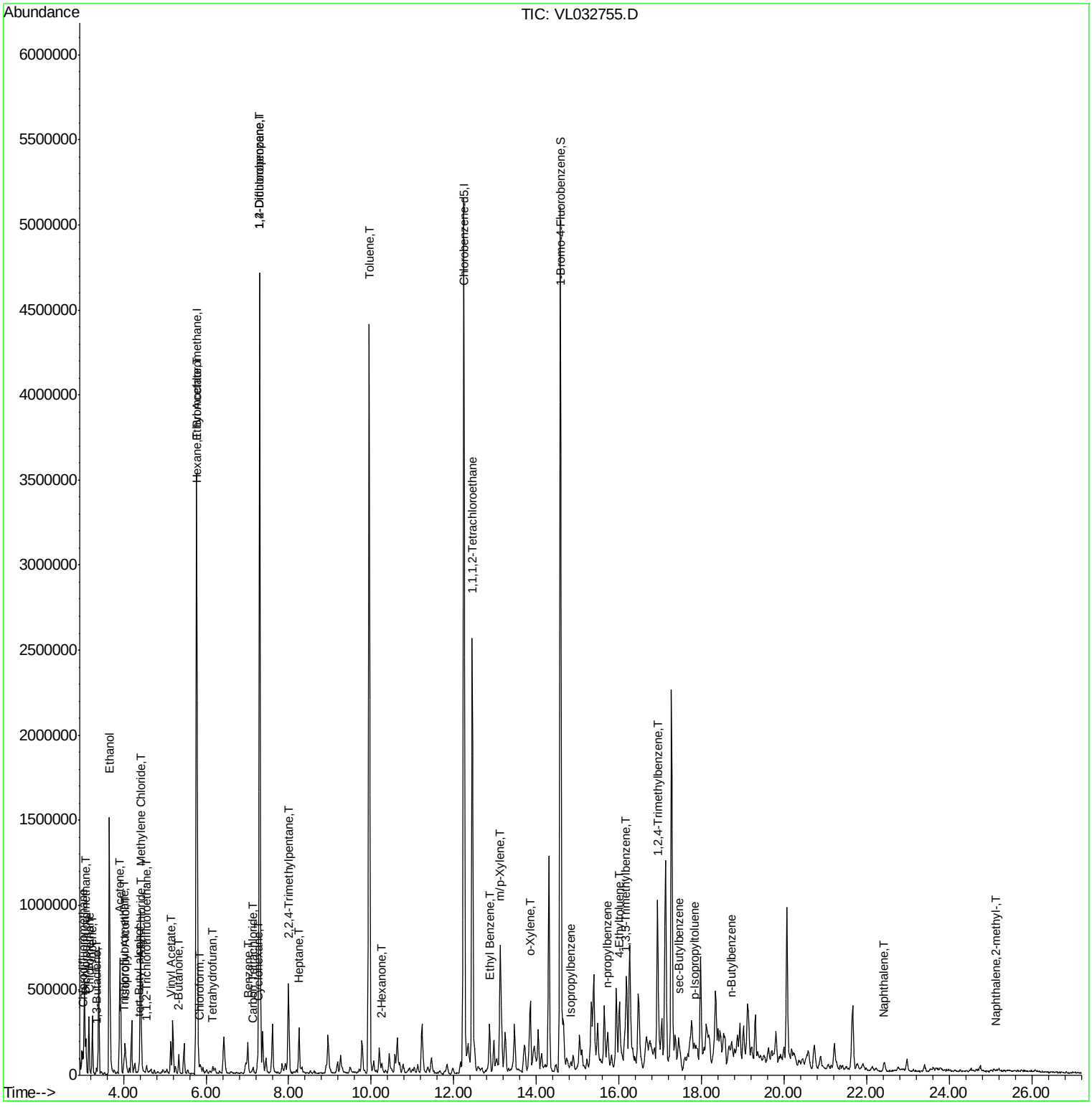
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111418\

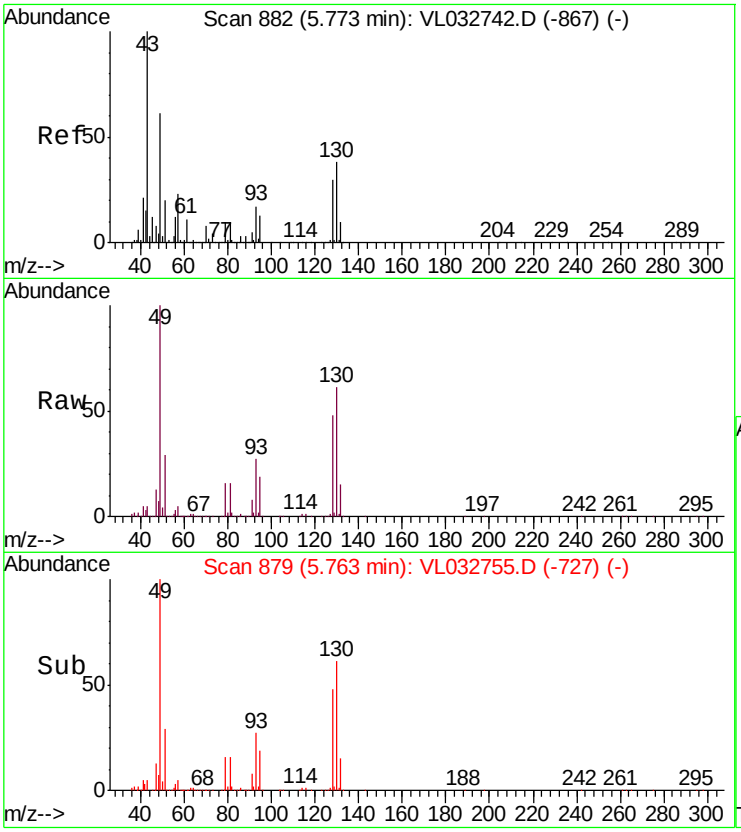
Quantitation Report (Not Reviewed)

Data File : VL032755.D
Acq On : 14 Nov 2018 12:25
Operator : SY/AP
Sample : J5891-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Quant Time: Nov 15 04:53:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



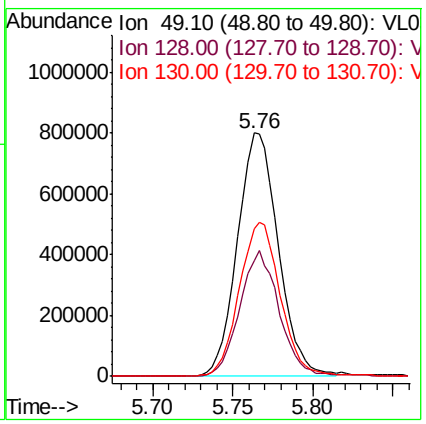


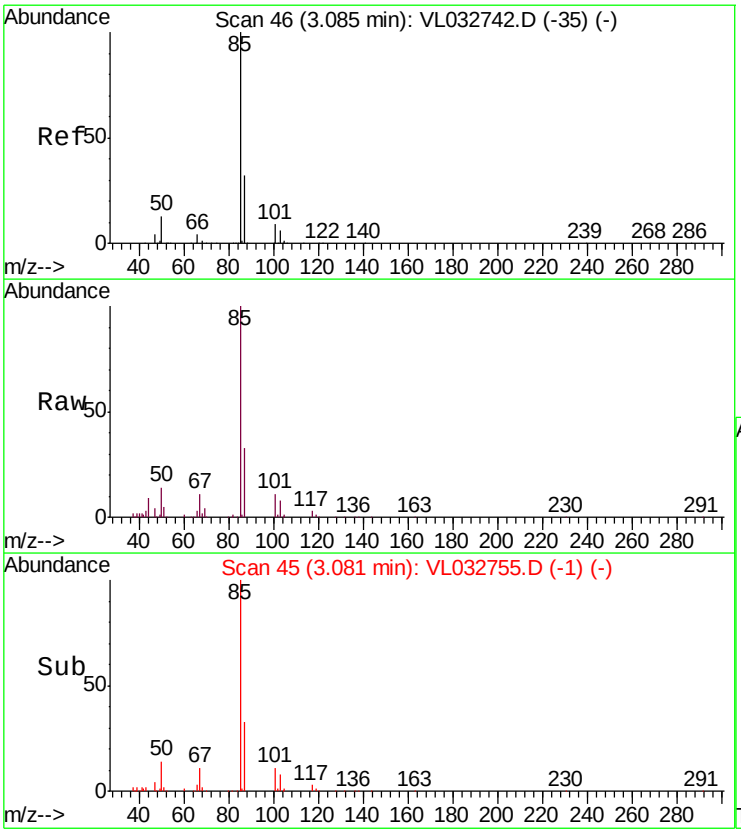
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion: 49 Resp: 1391906

Ion	Ratio	Lower	Upper
49	100		
128	50.5	24.9	74.6
130	64.2	31.4	94.2

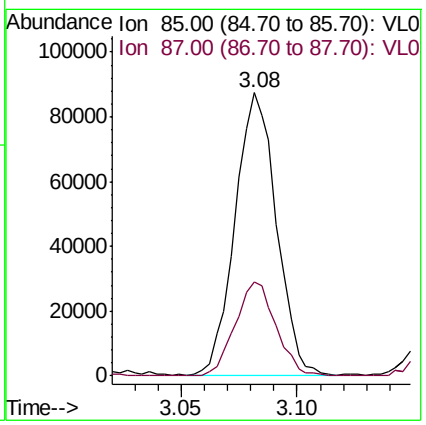


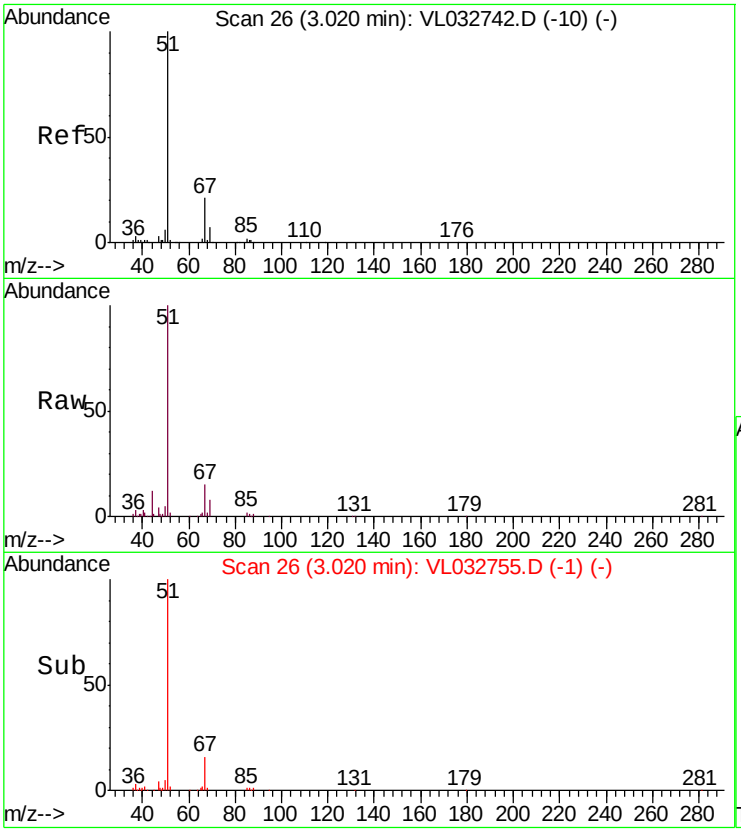


#2
Dichlorodifluoromethane
Concen: 0.541 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 85 Resp: 108146

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.0	39.0



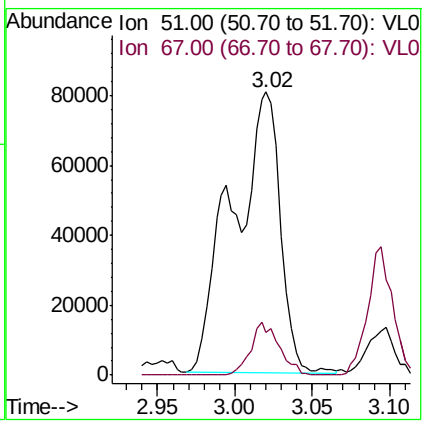


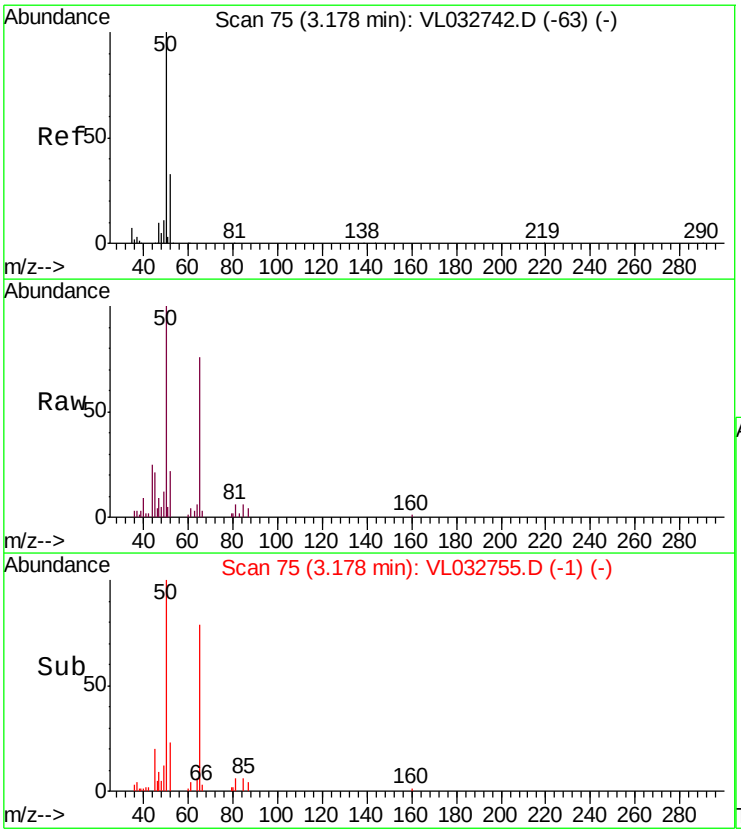
#3
Chlorodifluoromethane
Concen: 1.572 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion: 51 Resp: 173490

Ion	Ratio	Lower	Upper
51	100		
67	11.2	16.1	24.1#

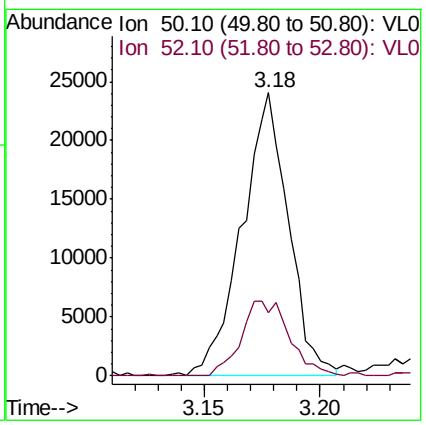


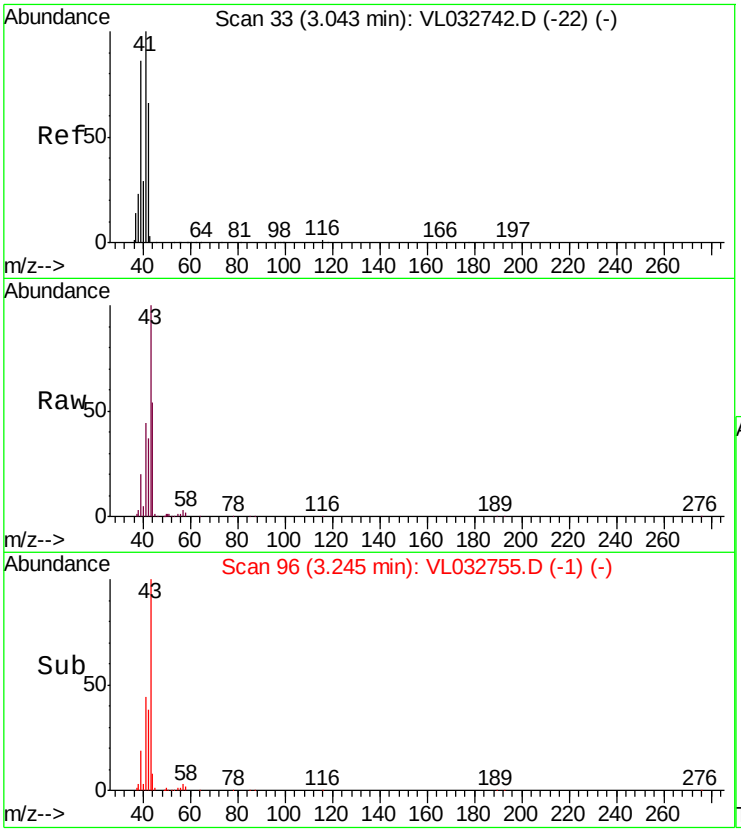


#4
Chloromethane
Concen: 0.548 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 50 Resp: 33539

Ion	Ratio	Lower	Upper
50	100		
52	22.4	26.6	40.0#



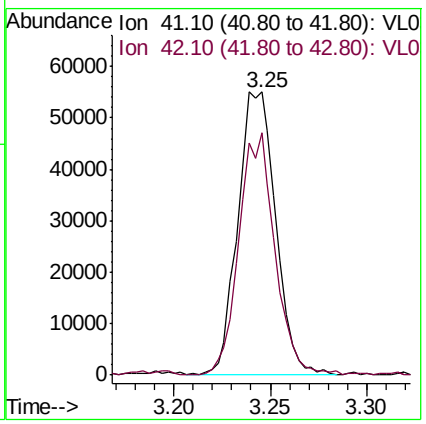


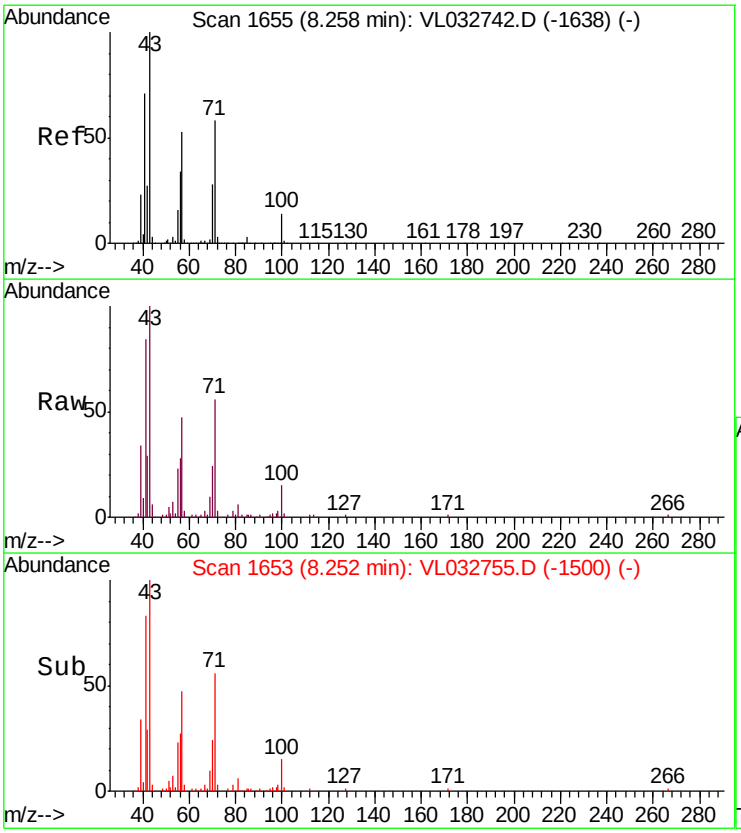
#9
Propene
Concen: 1.702 ppbv
RT: 3.25 min Scan# 96
Delta R.T. 0.20 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion: 41 Resp: 75145

Ion	Ratio	Lower	Upper
41	100		
42	81.2	55.0	82.6

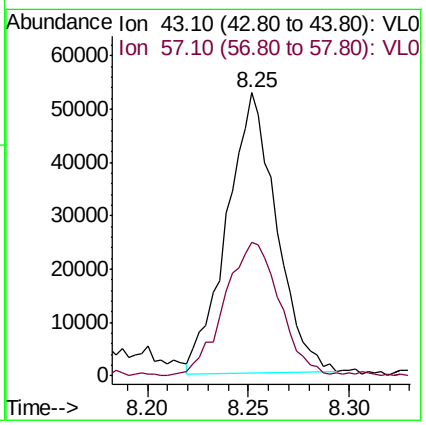


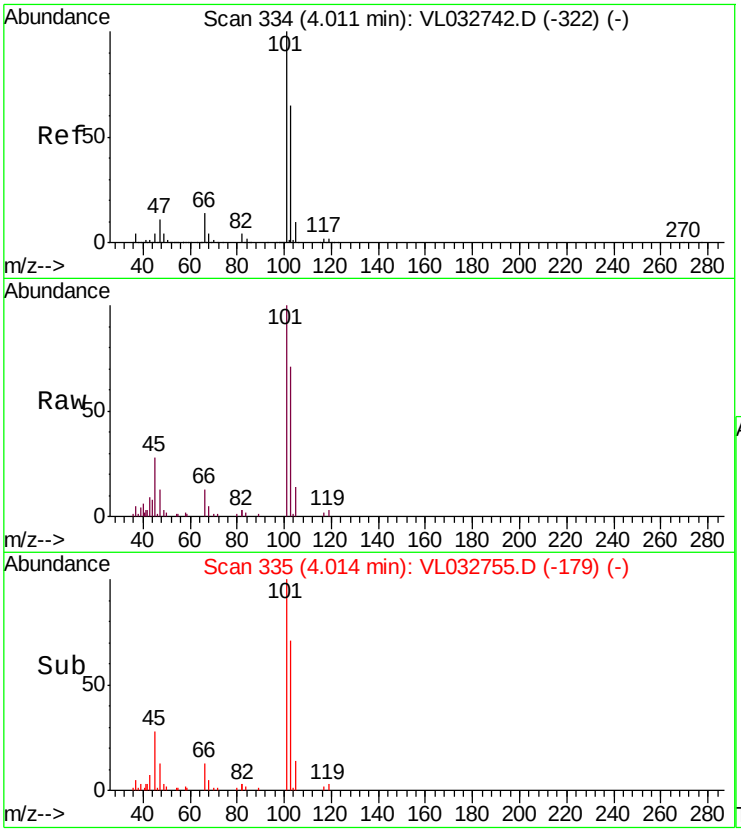


#10
Heptane
Concen: 0.536 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 43 Resp: 90437

Ion	Ratio	Lower	Upper
43	100		
57	53.9	41.8	62.8



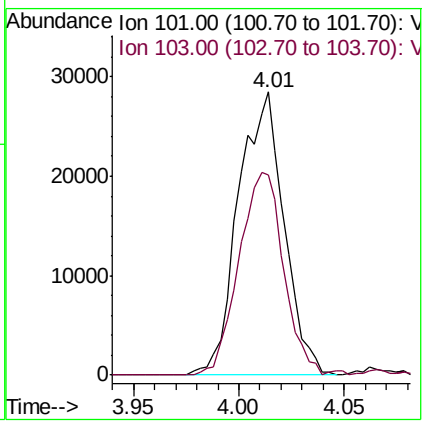


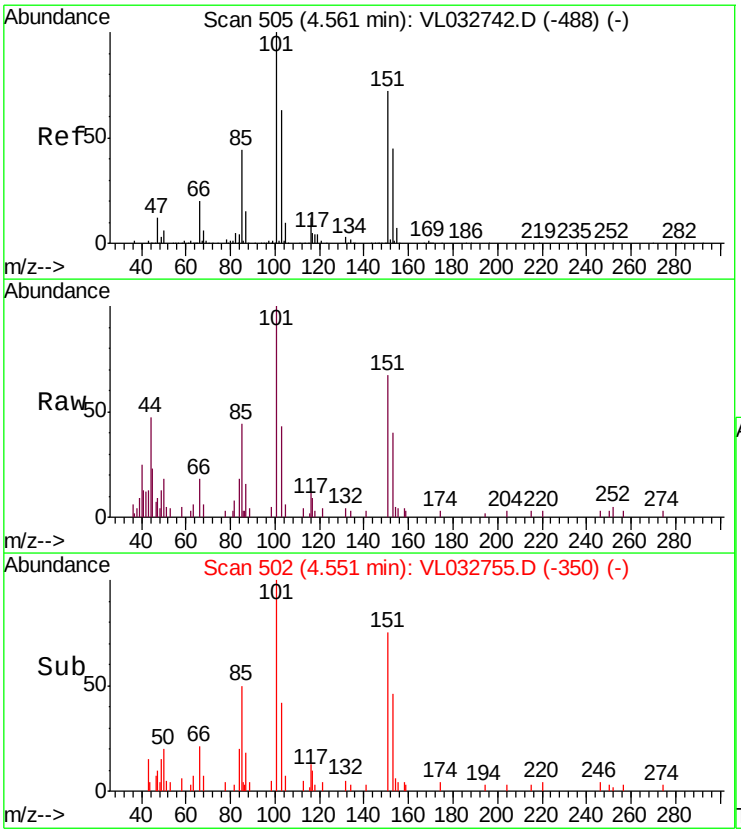
#11
Trichlorofluoromethane
Concen: 0.227 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion:101 Resp: 42768

Ion	Ratio	Lower	Upper
101	100		
103	70.5	51.6	77.4

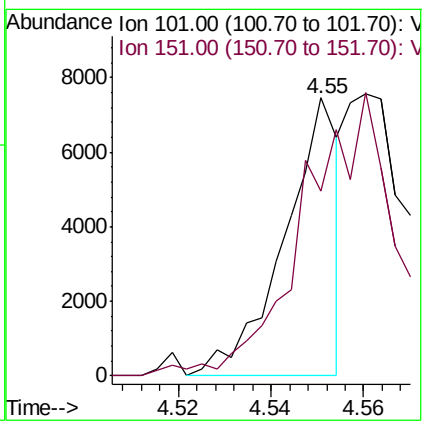


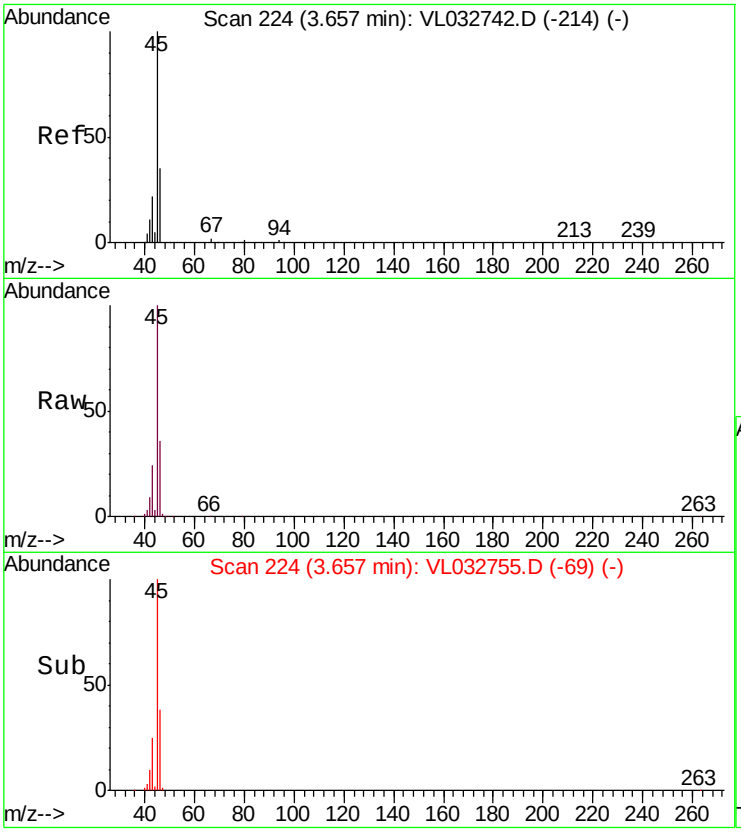


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.039 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion:101 Resp: 5990

Ion	Ratio	Lower	Upper
101	100		
151	0.0	56.7	85.1#



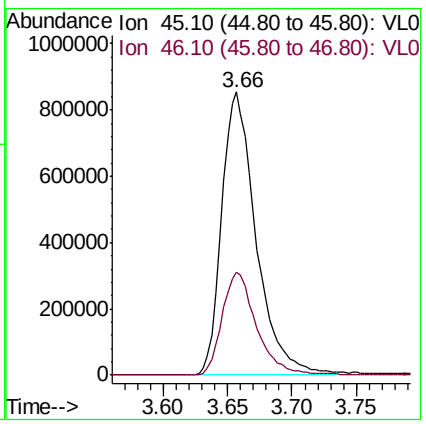


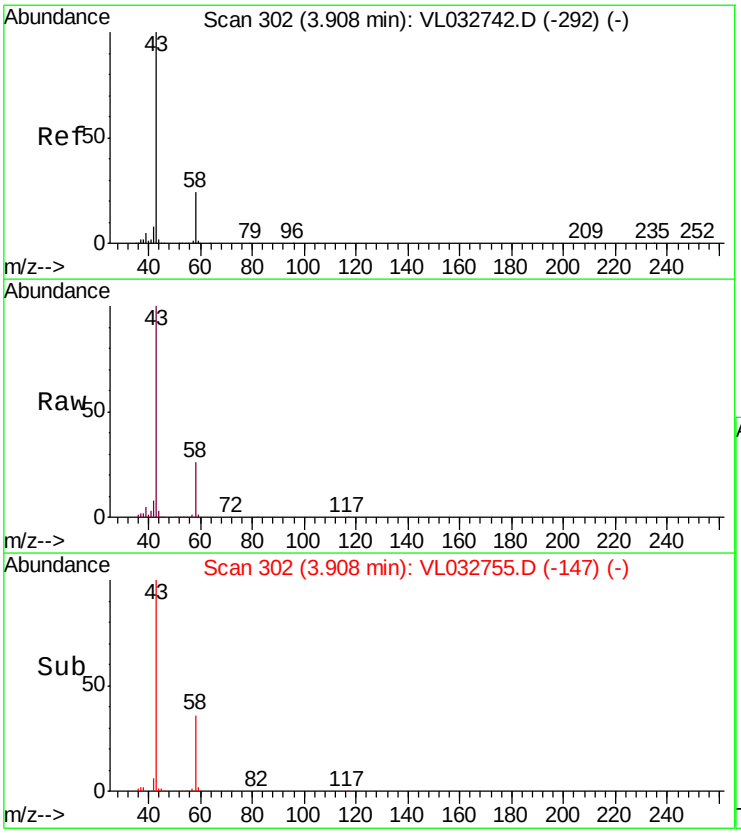
#13
Ethanol
Concen: 109.175 ppbv
RT: 3.66 min Scan# 224
Delta R.T. -0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion: 45 Resp: 1579148

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.5	57.9

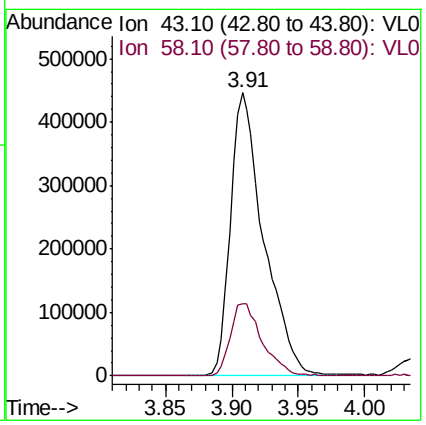


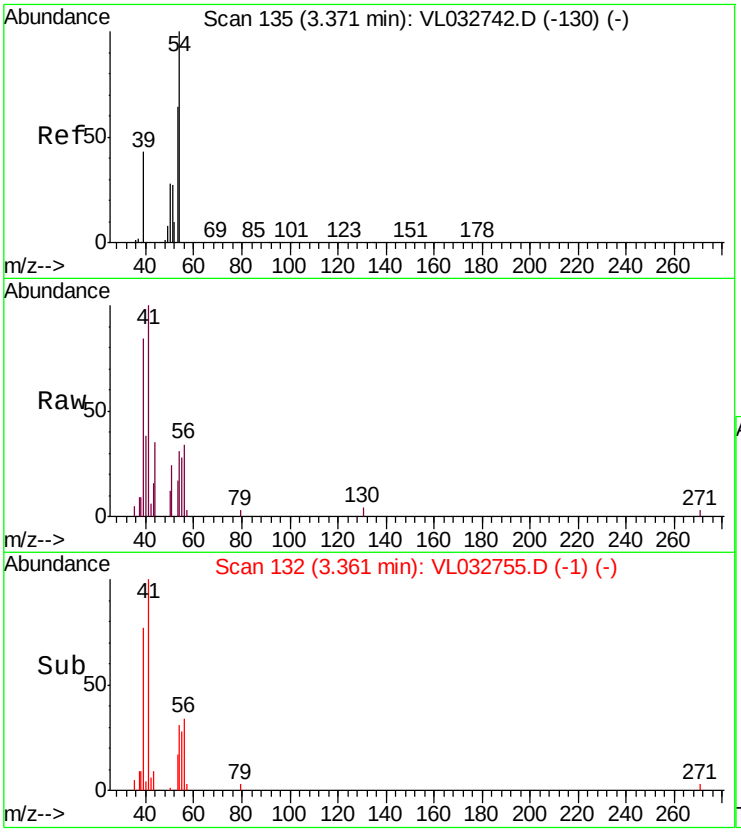


#15
Acetone
Concen: 6.101 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 43 Resp: 775557

Ion	Ratio	Lower	Upper
43	100		
58	24.8	21.1	31.7



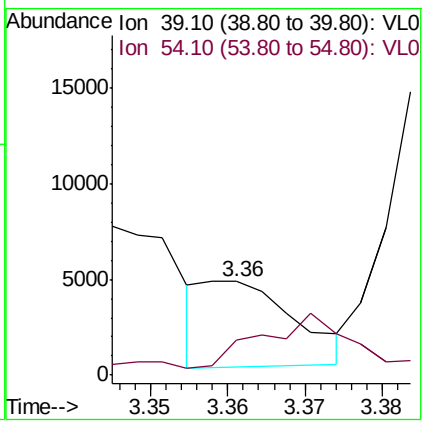


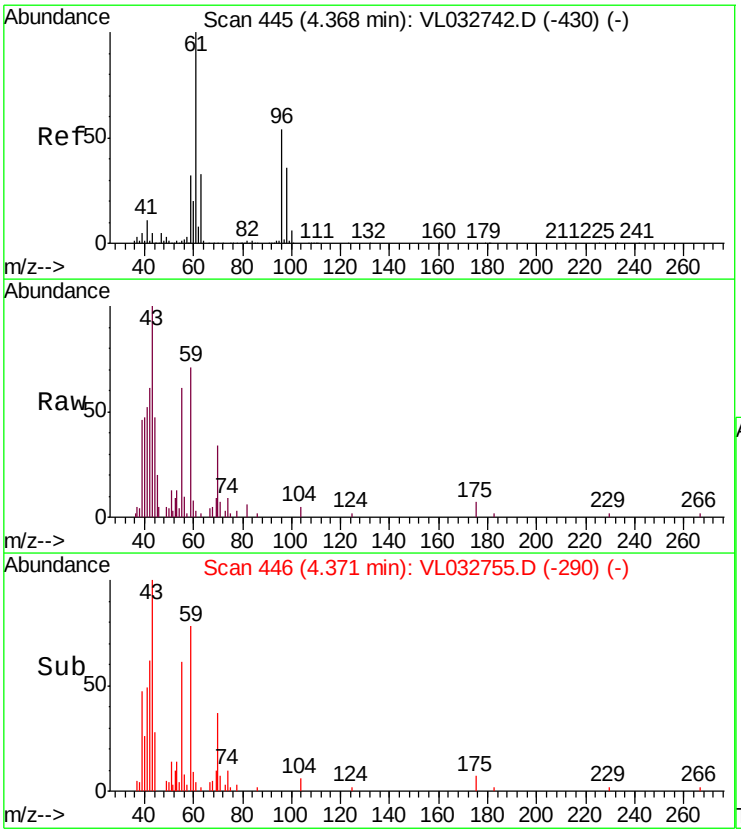
#16
1,3-Butadiene
Concen: 0.075 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion: 39 Resp: 3677

Ion	Ratio	Lower	Upper
39	100		
54	157.7	68.9	103.3#

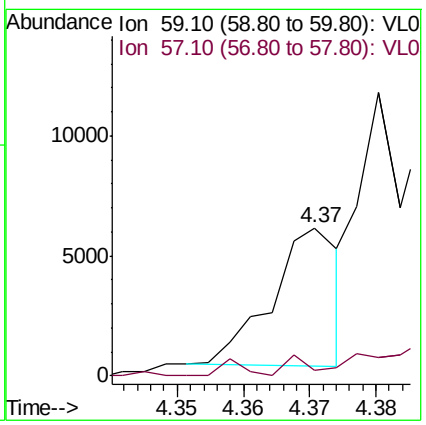


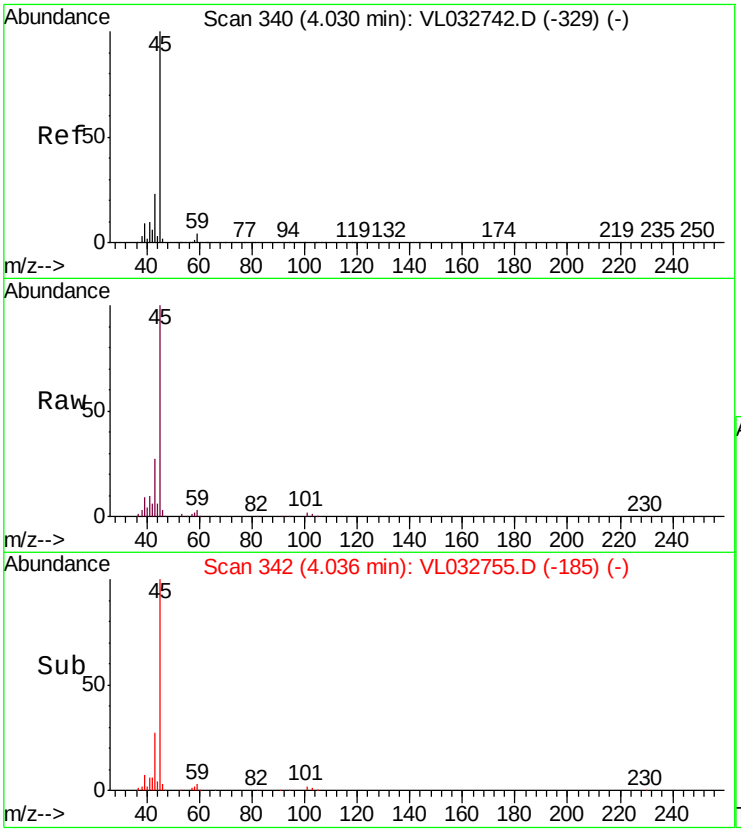


#17
tert-Butyl alcohol
Concen: 0.101 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 59 Resp: 4044

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



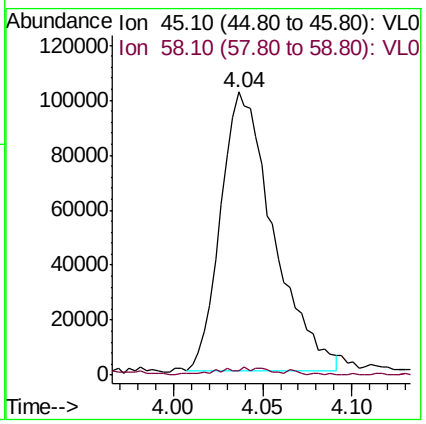


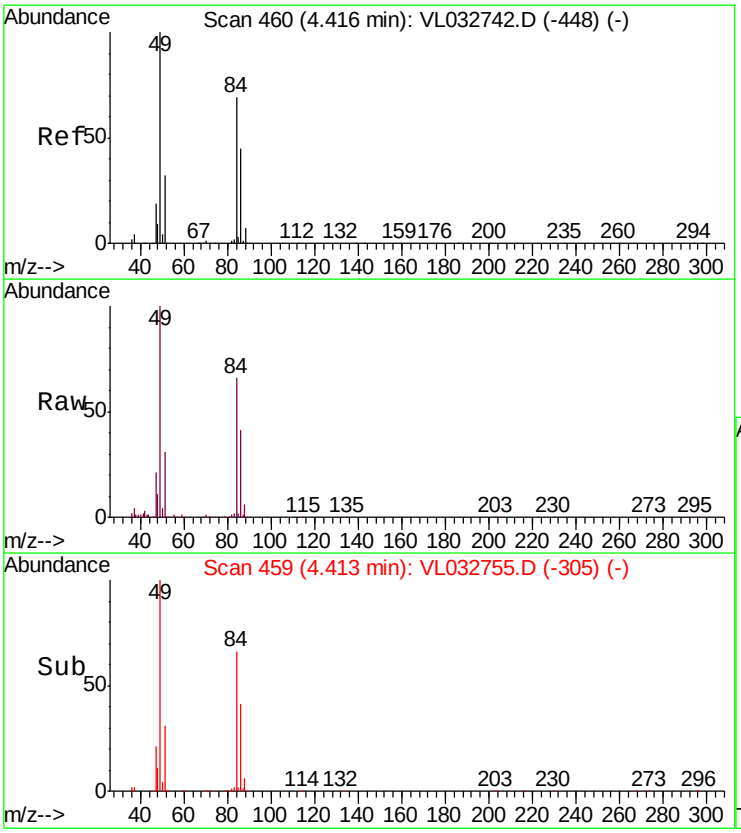
#19
Isopropyl Alcohol
Concen: 2.474 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion: 45 Resp: 209469

Ion	Ratio	Lower	Upper
45	100		
58	91.8	1.4	2.0#

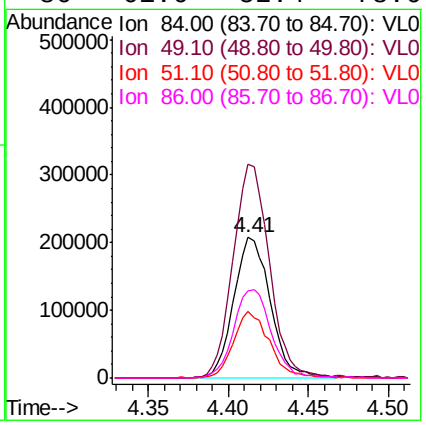


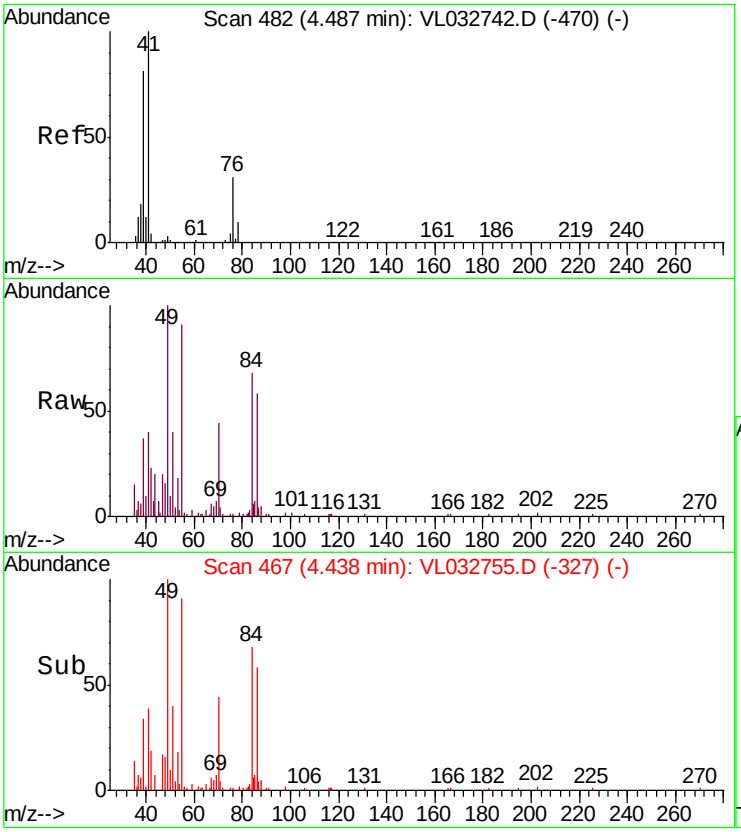


#20
Methylene Chloride
Concen: 4.915 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 84 Resp: 323427

Ion	Ratio	Lower	Upper
84	100		
49	151.7	115.8	173.6
51	47.2	36.9	55.3
86	61.6	52.4	78.6



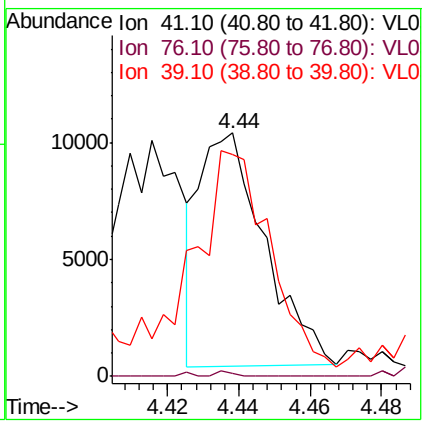


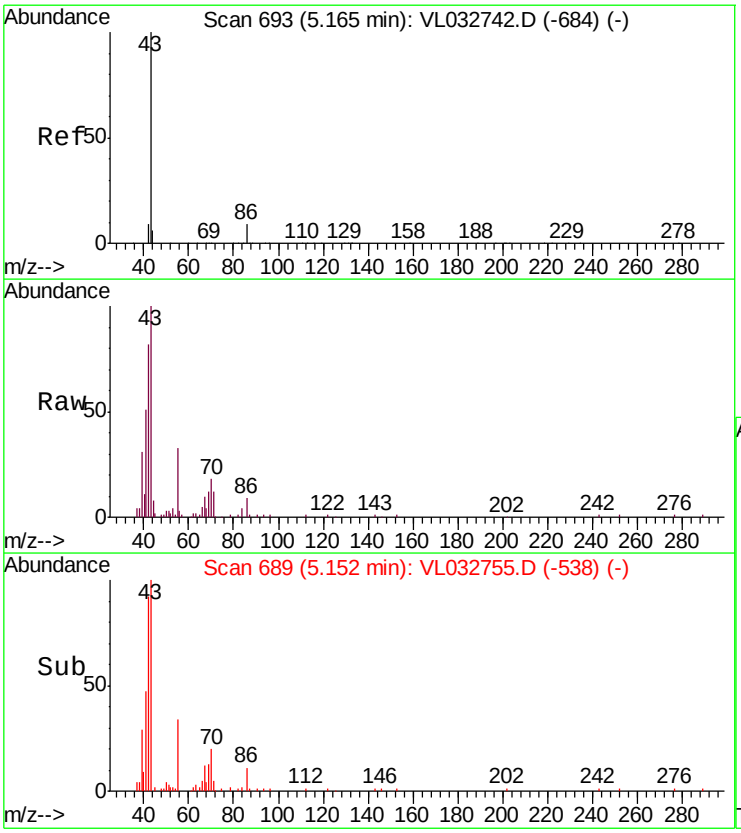
#21
Allyl Chloride
Concen: 0.118 ppbv
RT: 4.44 min Scan# 467
Delta R.T. -0.05 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion: 41 Resp: 12620

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	118.4	63.5	95.3#

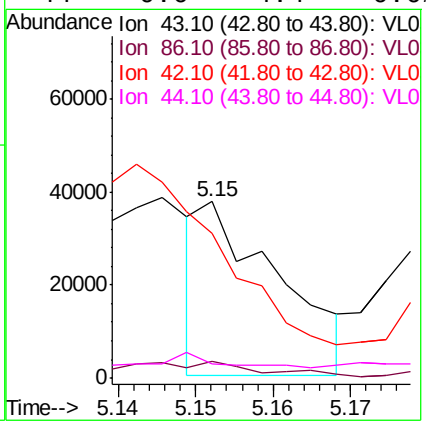


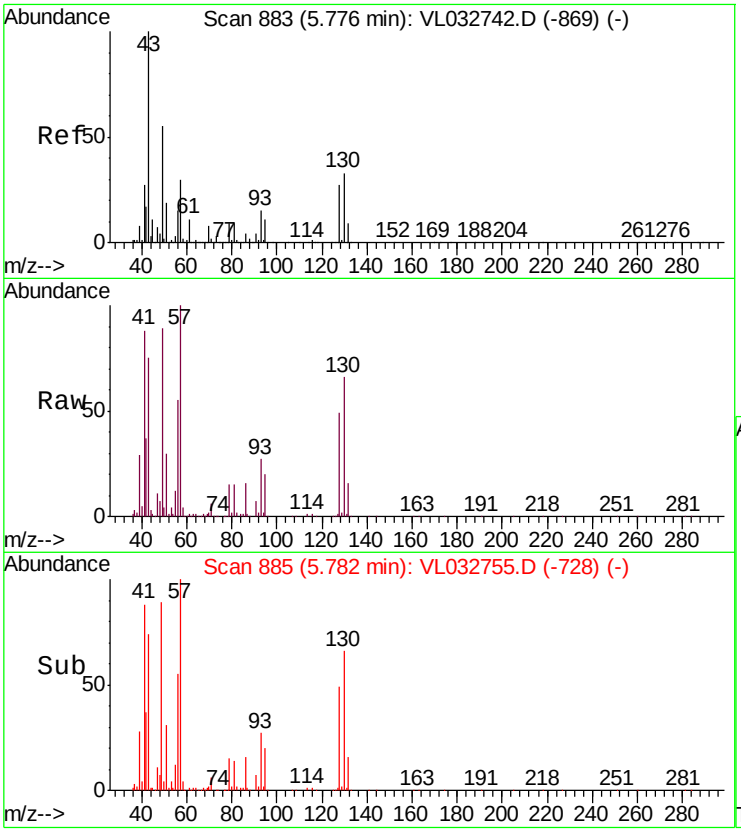


#23
Vinyl Acetate
Concen: 0.114 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 43 Resp: 26456

Ion	Ratio	Lower	Upper
43	100		
86	11.1	6.2	9.4#
42	100.0	7.8	11.6#
44	0.6	4.4	6.6#



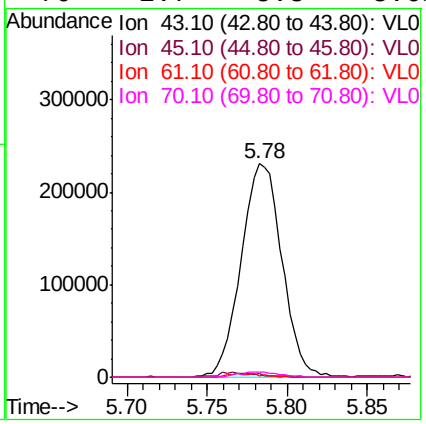


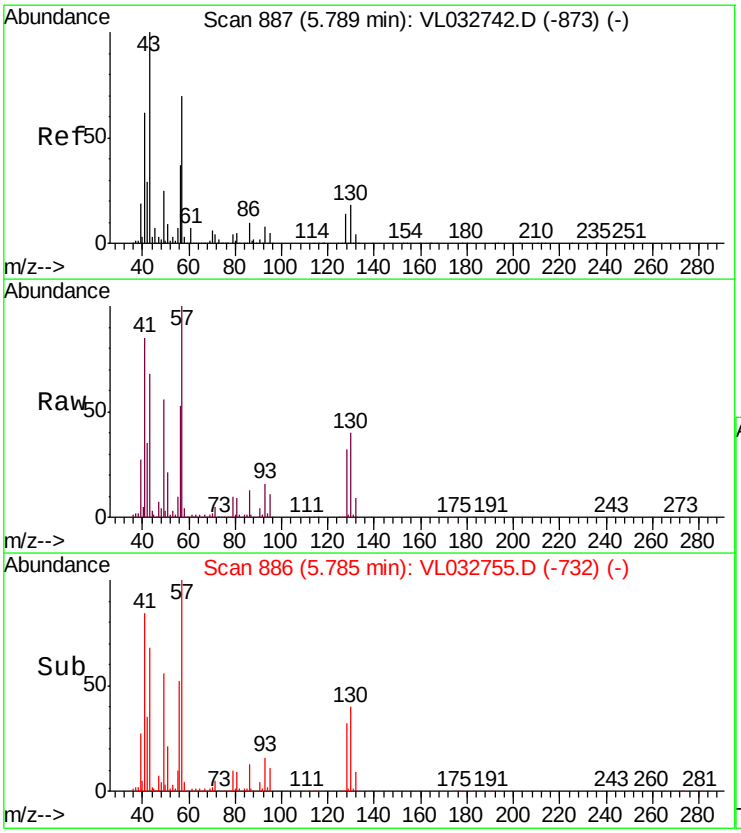
#25
Ethyl Acetate
Concen: 1.357 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion: 43 Resp: 401990

Ion	Ratio	Lower	Upper
43	100		
45	2.5	7.9	11.9#
61	1.5	7.8	11.6#
70	2.7	5.8	8.6#

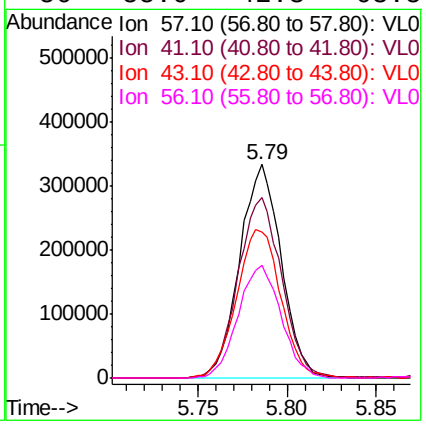


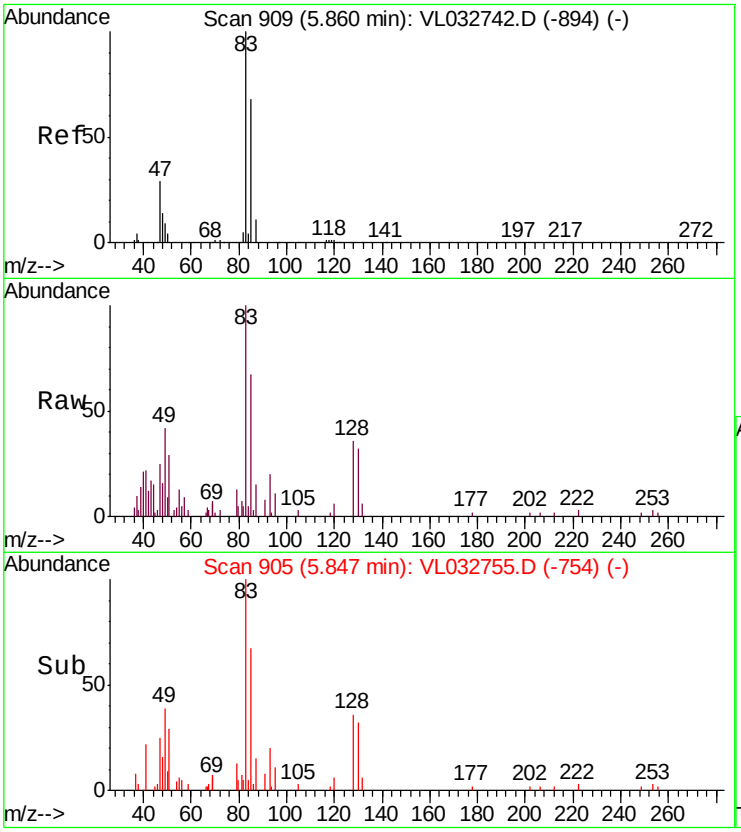


#26
Hexane
Concen: 4.103 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 57 Resp: 541089

Ion	Ratio	Lower	Upper
57	100		
41	89.4	70.3	105.5
43	74.5	174.0	261.0#
56	55.0	42.3	63.5



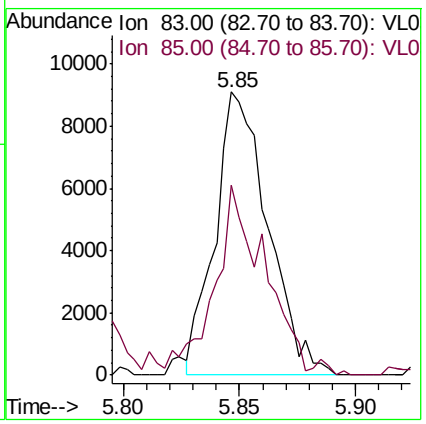


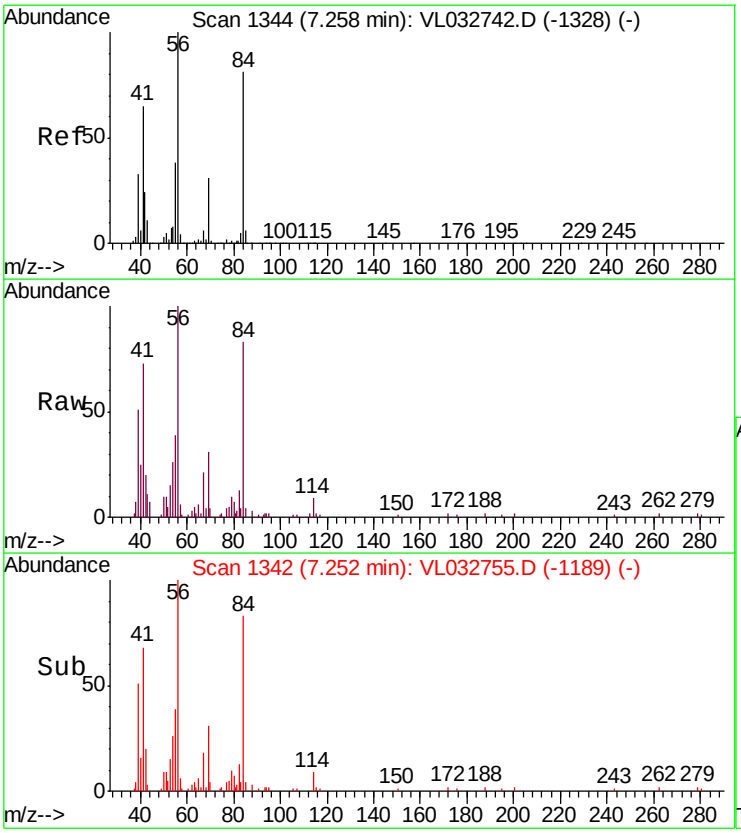
#29
Chloroform
Concen: 0.061 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion: 83 Resp: 14418

Ion	Ratio	Lower	Upper
83	100		
85	67.2	54.2	81.4

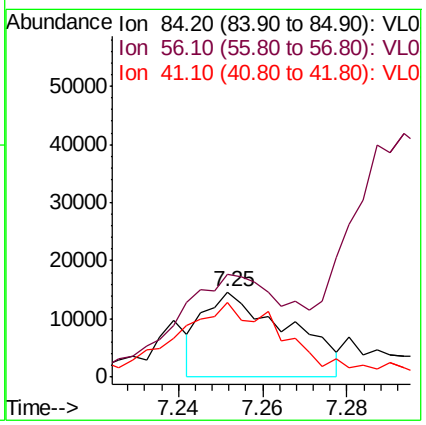


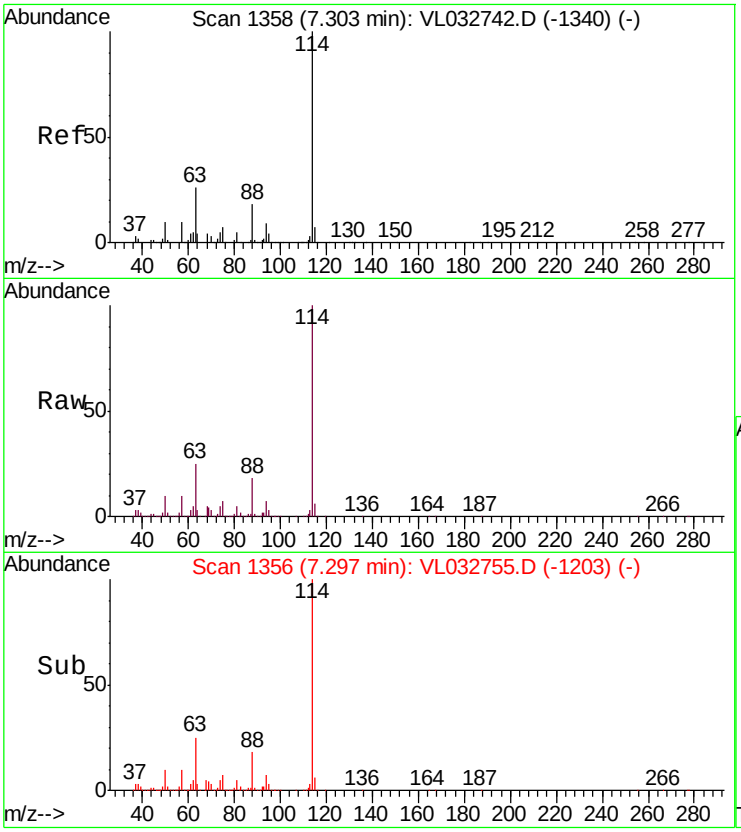


#30
Cyclohexane
Concen: 0.177 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 84 Resp: 20418

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	123.1	65.3	97.9#



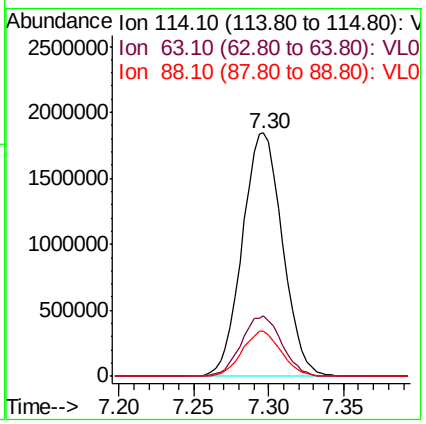


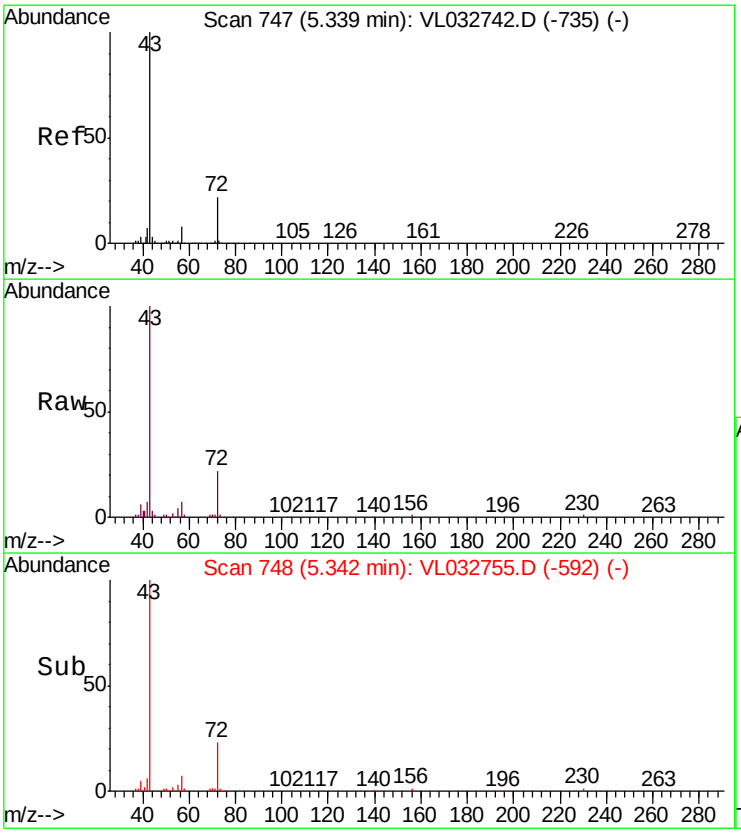
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion:114 Resp: 3447922

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.9	31.3
88	18.1	14.4	21.6

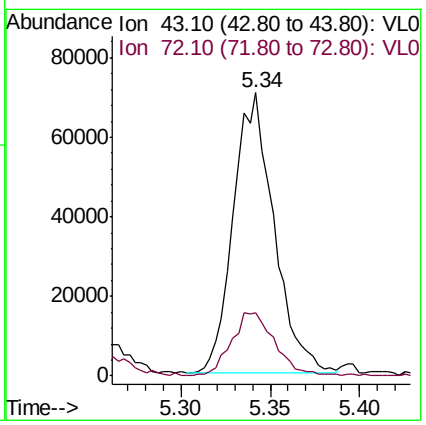


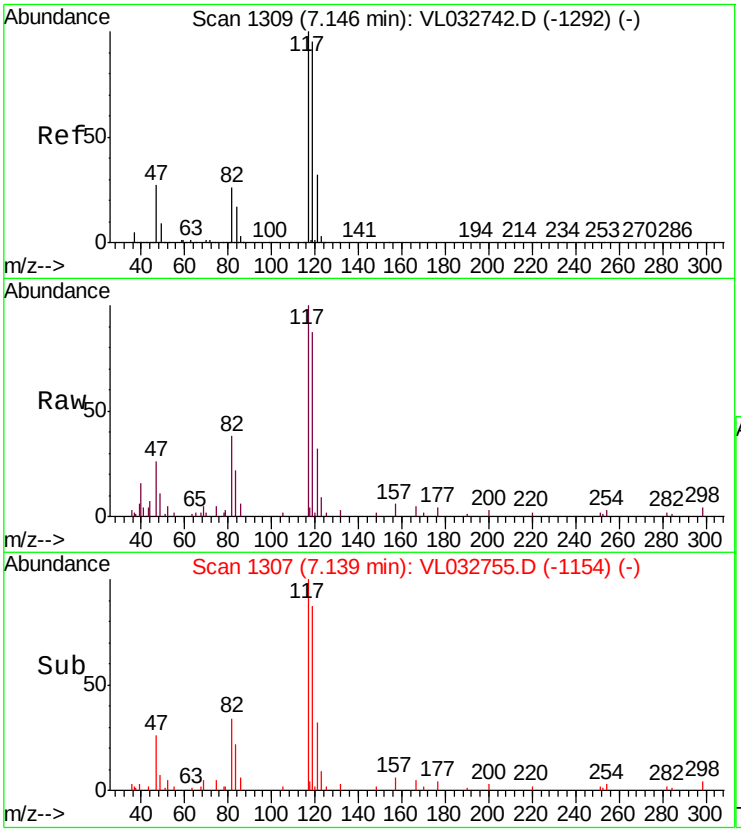


#34
2-Butanone
Concen: 0.627 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.00 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 43 Resp: 112063

Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.4	27.6



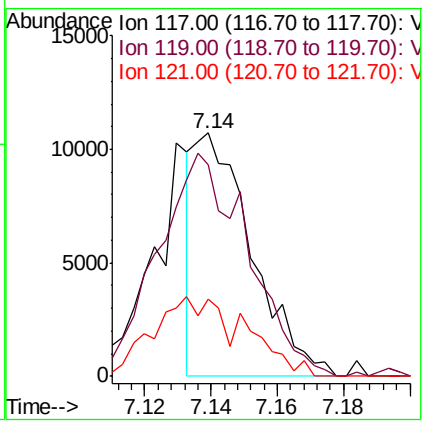


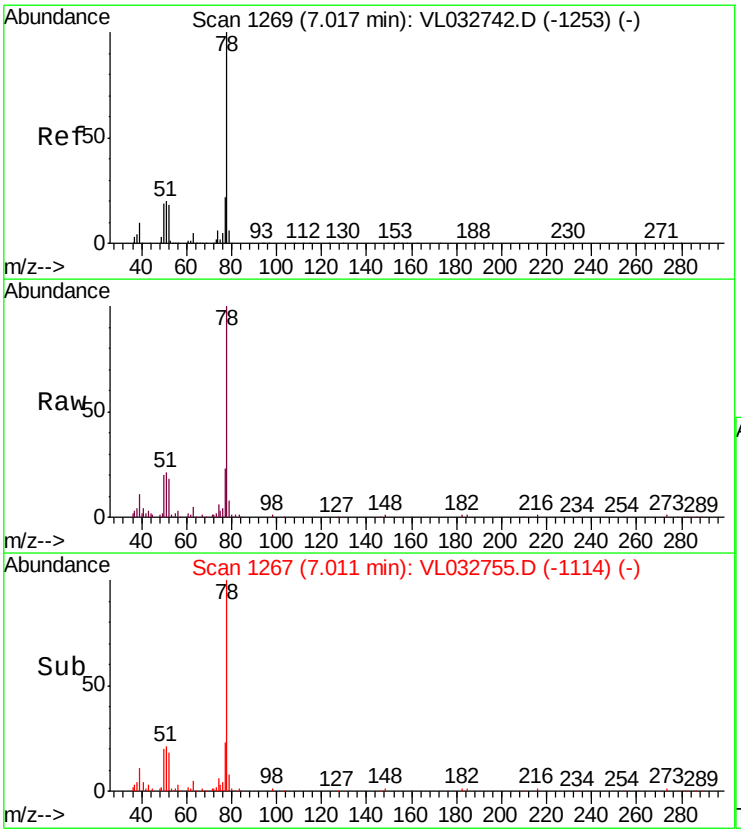
#35
Carbon Tetrachloride
Concen: 0.047 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion:117 Resp: 12894

Ion	Ratio	Lower	Upper
117	100		
119	83.3	76.1	114.1
121	30.5	25.4	38.0

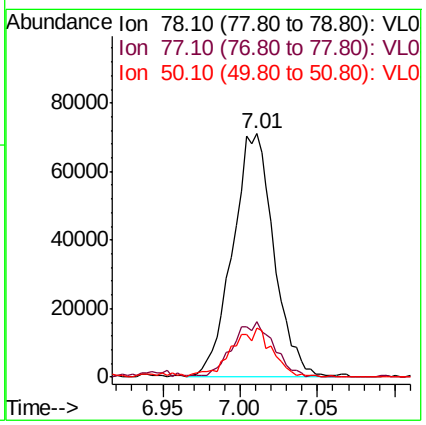


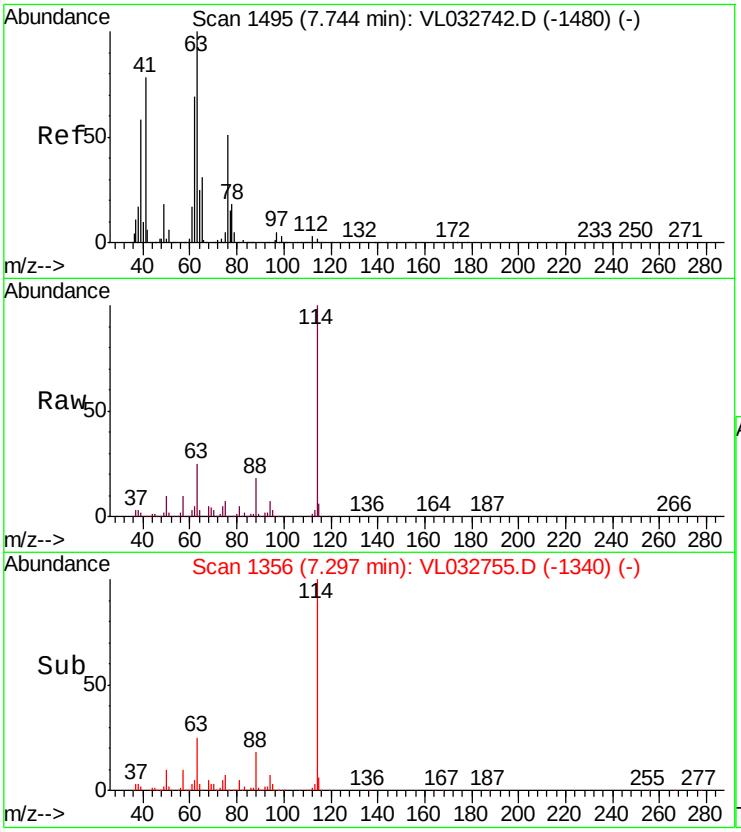


#36
Benzene
Concen: 0.480 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 78 Resp: 131908

Ion	Ratio	Lower	Upper
78	100		
77	22.6	17.8	26.8
50	19.9	15.4	23.0



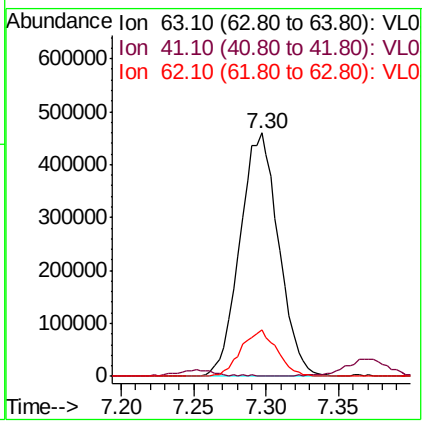


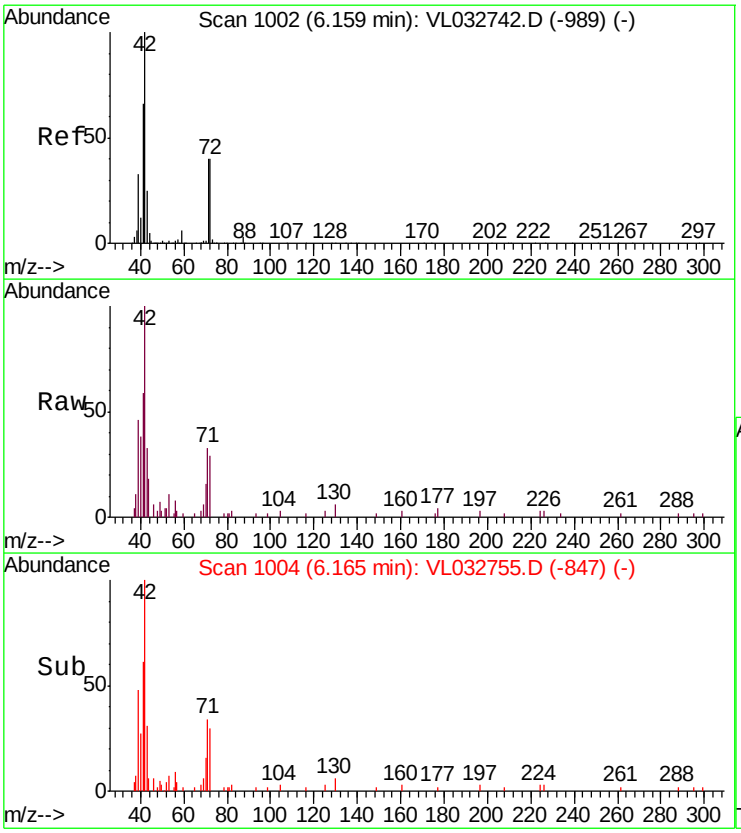
#39
1,2-Dichloropropane
Concen: 8.135 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion: 63 Resp: 850959

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	18.9	55.4	83.2#

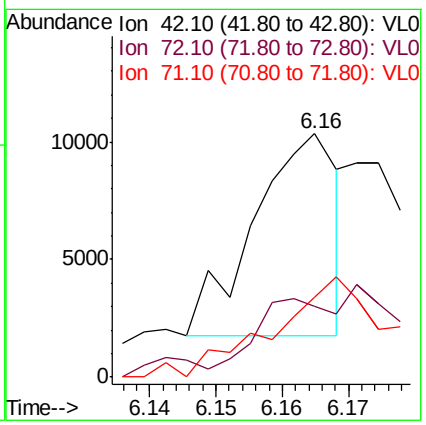


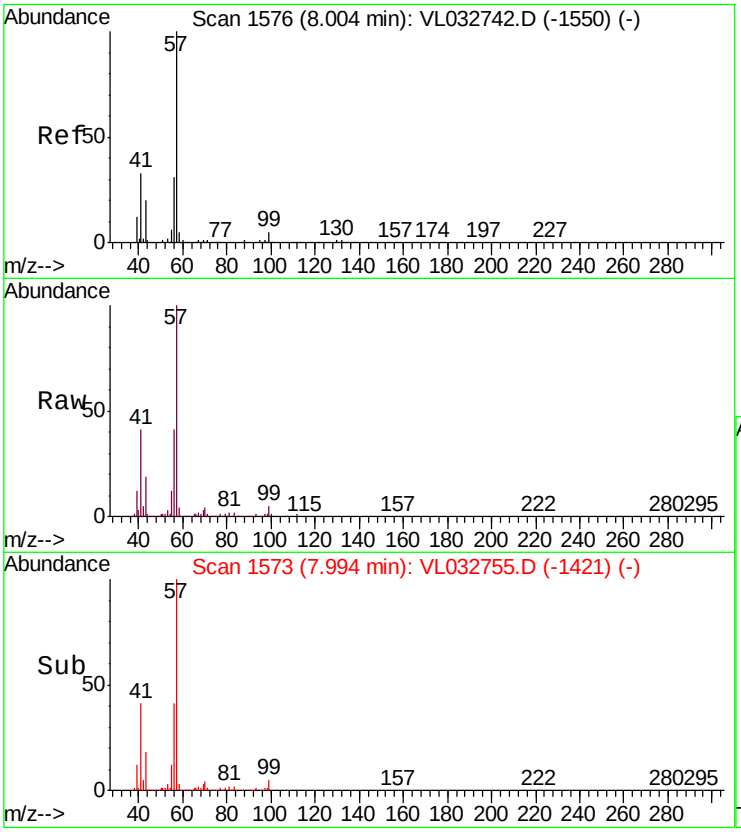


#41
Tetrahydrofuran
Concen: 0.074 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 42 Resp: 7573

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.4	48.6#
71	0.0	31.6	47.4#



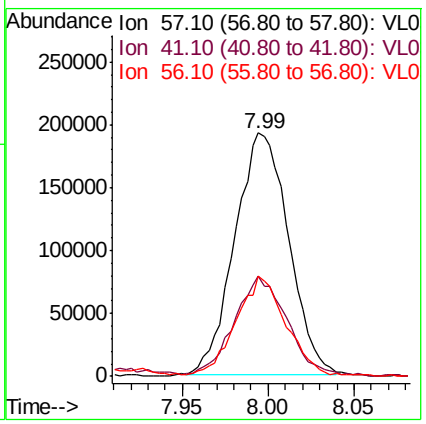


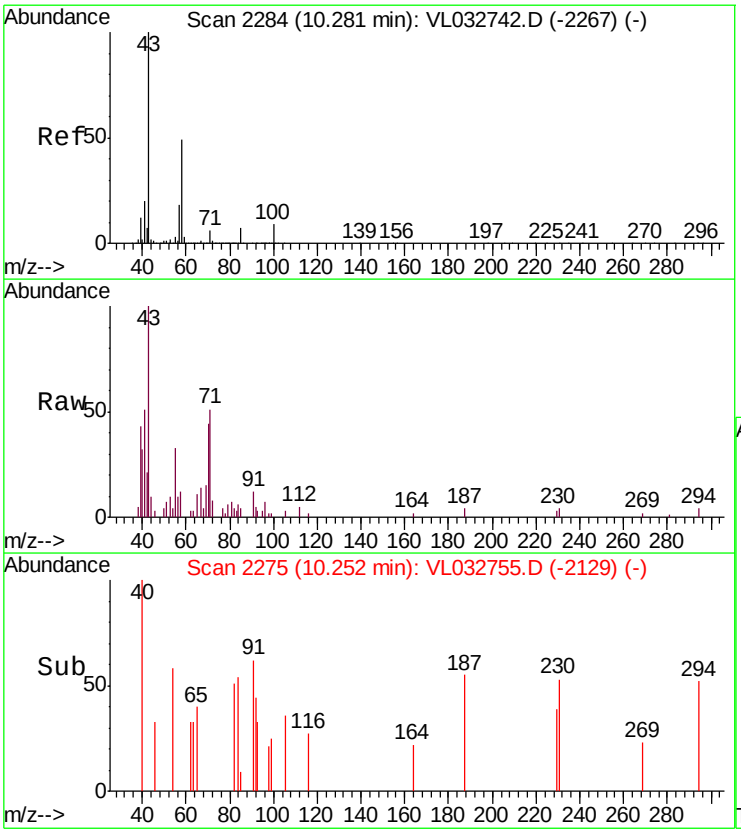
#44
2,2,4-Trimethylpentane
Concen: 0.909 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion: 57 Resp: 416874

Ion	Ratio	Lower	Upper
57	100		
41	40.3	26.6	39.8#
56	39.0	24.8	37.2#

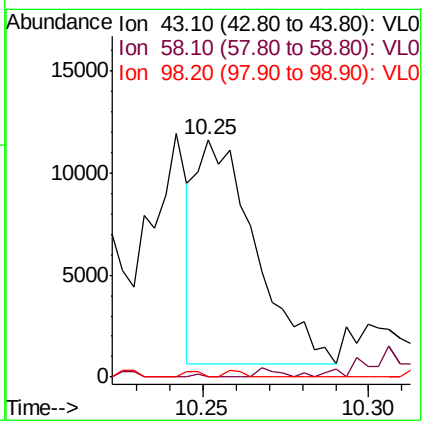


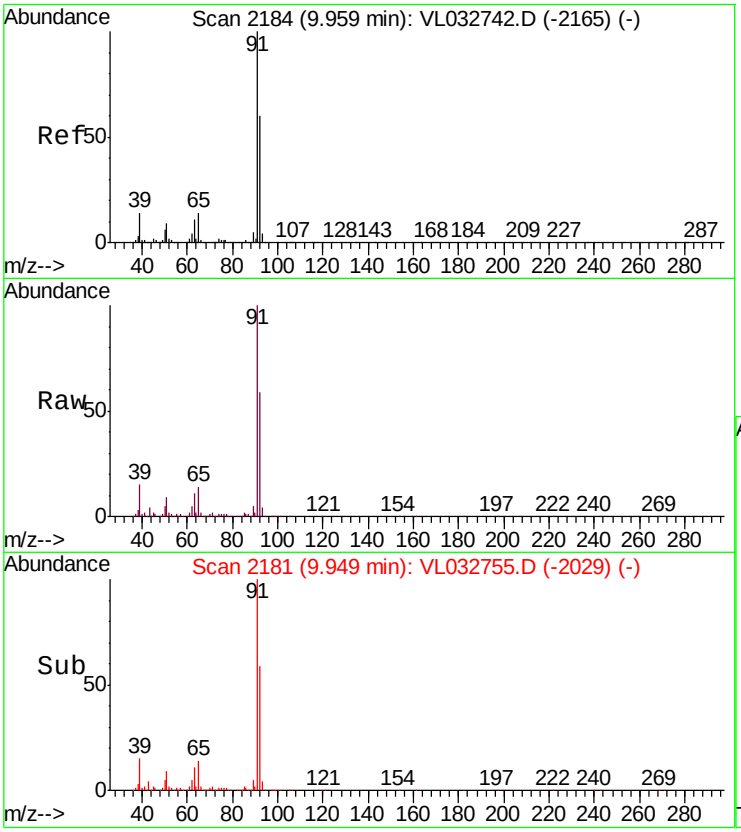


#51
2-Hexanone
Concen: 0.076 ppbv
RT: 10.25 min Scan# 2275
Delta R.T. -0.03 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 43 Resp: 13726

Ion	Ratio	Lower	Upper
43	100		
58	13.1	38.9	58.3#
98	1.1	0.2	0.4#



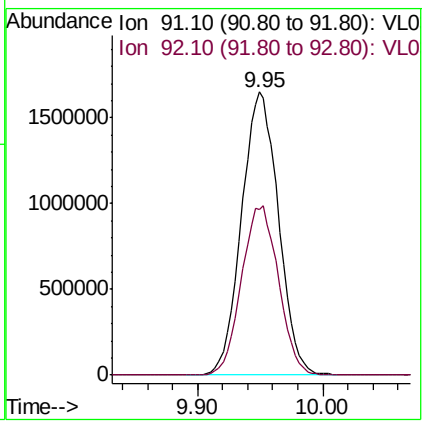


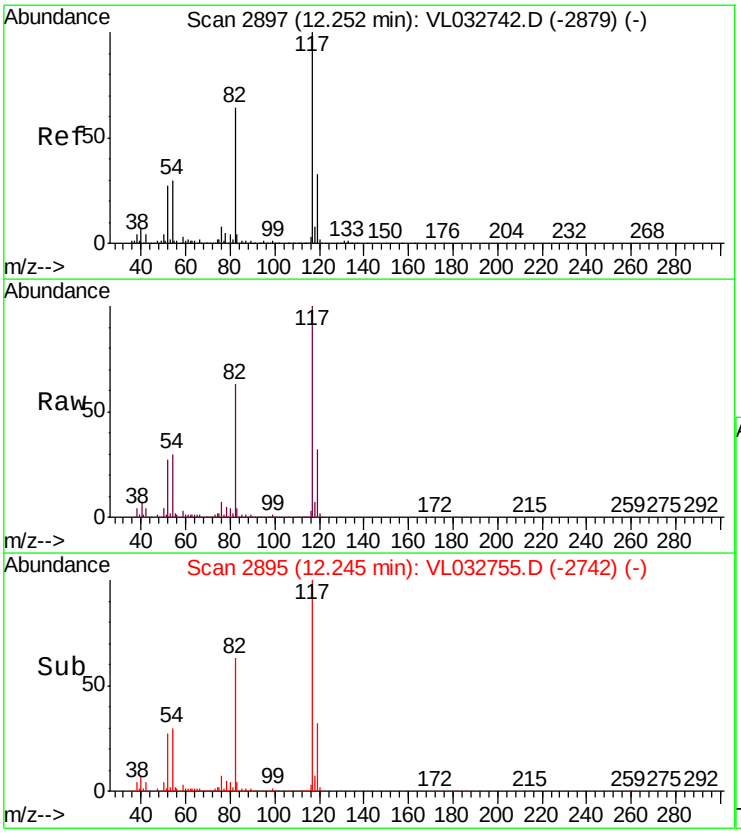
#53
Toluene
Concen: 11.764 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument :
MSVOA_L
ClientSampleId :
IASC1DUP

Tgt Ion: 91 Resp: 3369624

Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.9	71.9

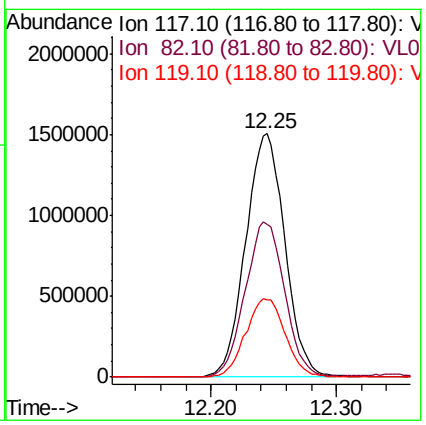


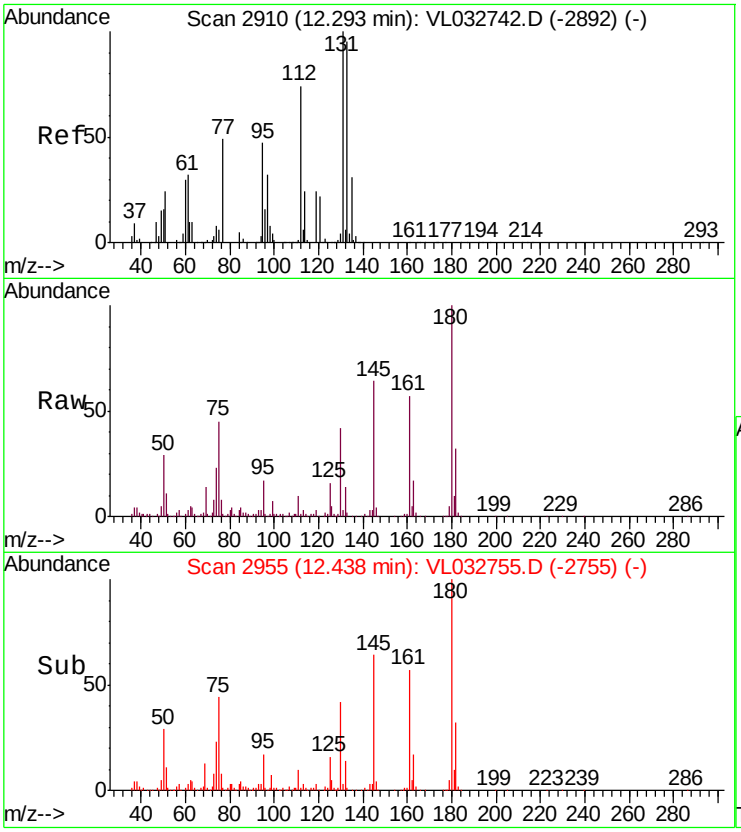


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion:117 Resp: 3274050

Ion	Ratio	Lower	Upper
117	100		
82	64.1	51.0	76.6
119	32.8	28.0	42.0



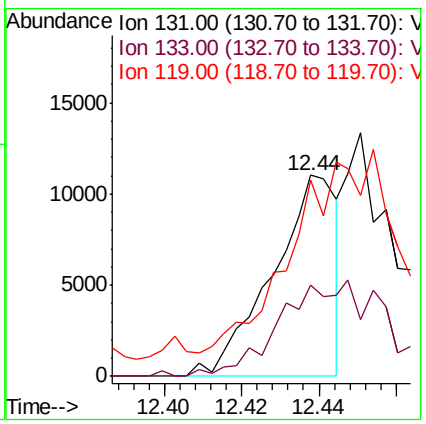


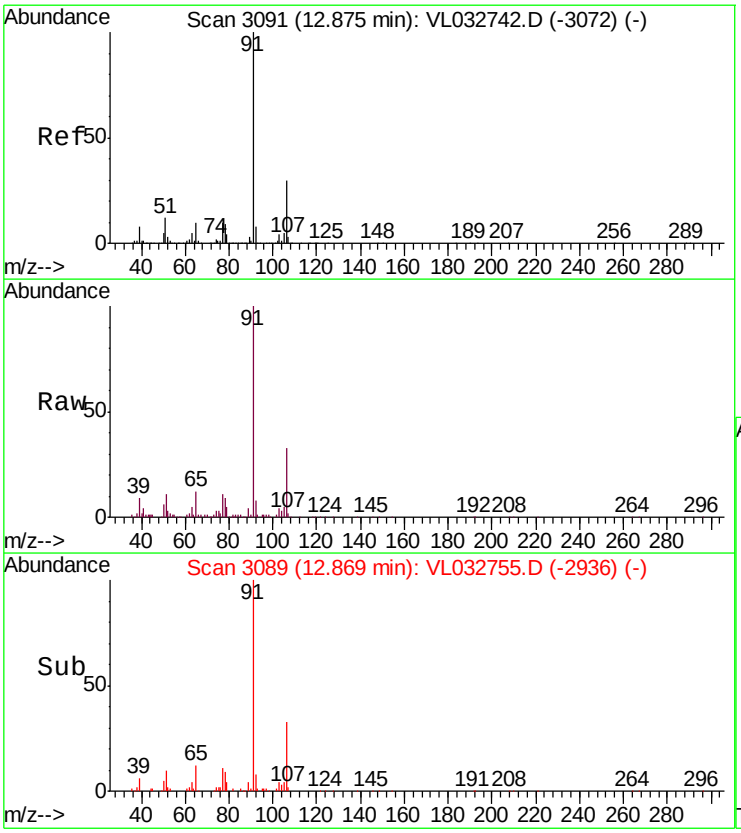
#56
1,1,1,2-Tetrachloroethane
Concen: 0.083 ppbv
RT: 12.44 min Scan# 2955
Delta R.T. 0.14 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion:131 Resp: 12708

Ion	Ratio	Lower	Upper
131	100		
133	4.0	75.8	113.6#
119	8446.6	45.2	67.8#

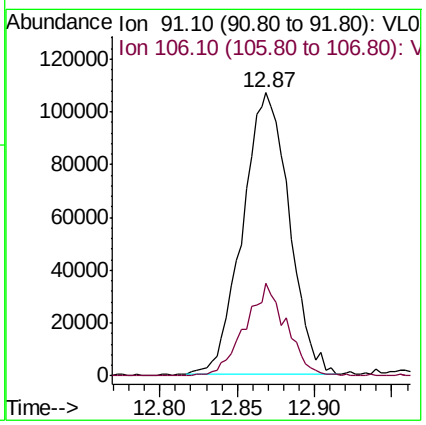


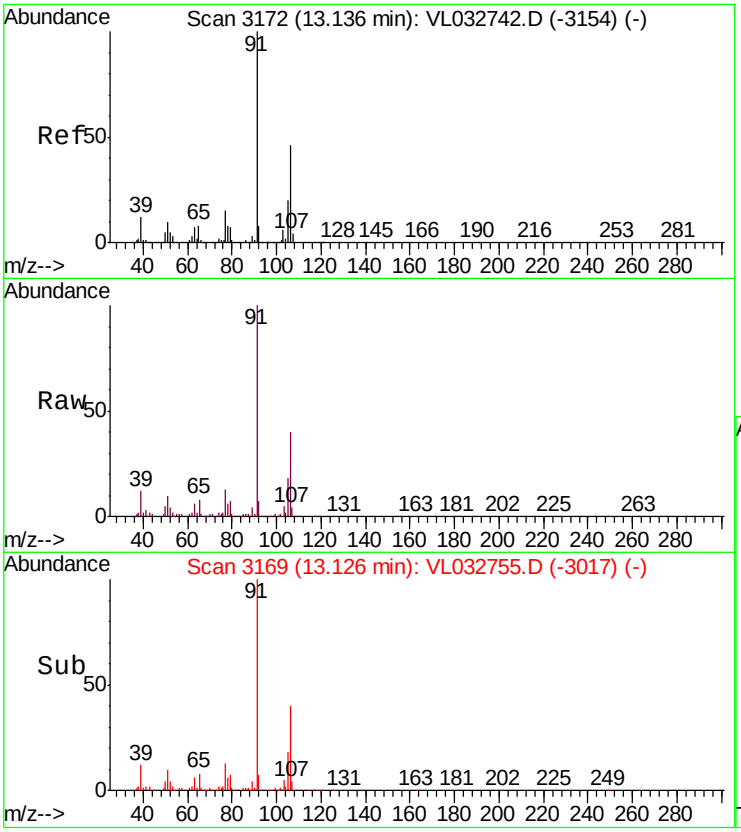


#58
Ethyl Benzene
Concen: 0.567 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 91 Resp: 223289

Ion	Ratio	Lower	Upper
91	100		
106	32.8	23.6	35.4



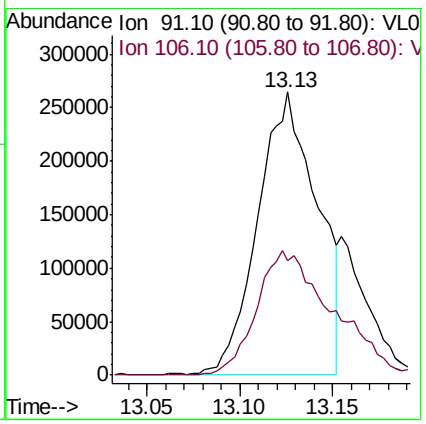


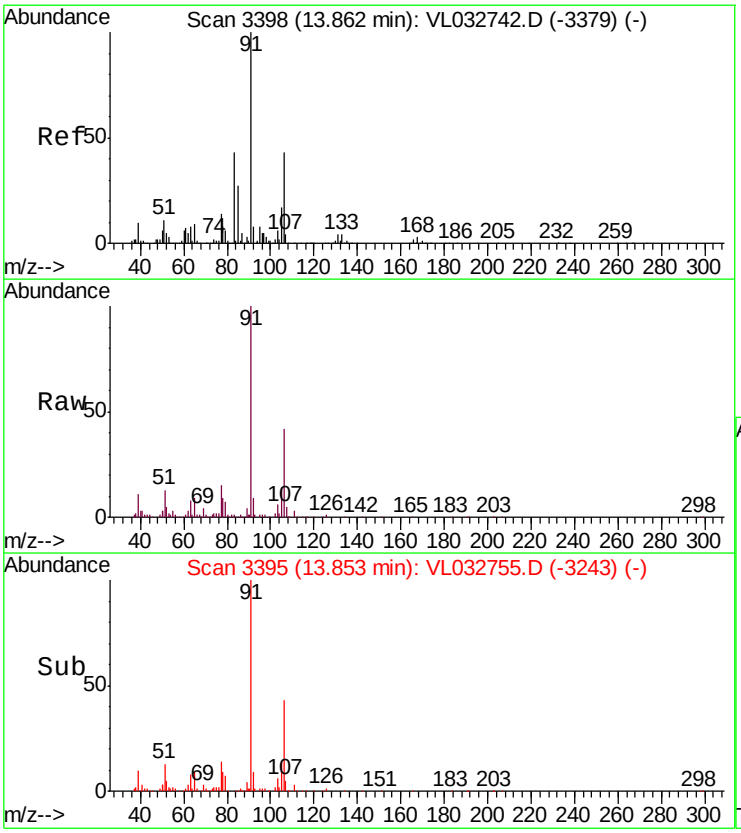
#59
m/p-Xylene
Concen: 1.669 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Instrument : MSVOA_L
ClientSampleId : IASC1DUP

Tgt Ion: 91 Resp: 585343

Ion	Ratio	Lower	Upper
91	100		
106	56.7	36.1	54.1#





#60
o-Xylene
Concen: 0.809 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032755.D
Acq: 14 Nov 2018 12:25

Tgt Ion: 91 Resp: 285426

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.9	65.7