Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

Quantitation Report (Not Reviewed)

Data File : VL033375.D
Acq On : 19 Mar 2019 1:58
Operator : SY/AP
Sample : K1805-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Quant Time: Mar 19 06:58:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	751222	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1663495	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	1597691	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1248376	10.54	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	71638	0.542	ppbv		94
3) Chlorodifluoromethane	3.01	51	64672	0.750	ppbv	#	81
4) Chloromethane	3.17	50	30558	0.654	ppbv	#	84
9) Propene	3.24	41	196319	5.100	ppbv		90
10) Heptane	8.25	43	31554	0.331	ppbv		99
11) Trichlorofluoromethane	4.00	101	33585	0.255	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	3970	0.045	ppbv	#	43
13) Ethanol	3.67	45	5701674	310.730	ppbv		99
15) Acetone	3.90	43	1842978	15.782	ppbv		96
16) 1,3-Butadiene	3.34	39	7166	0.189	ppbv	#	2
17) tert-Butyl alcohol	4.39	59	1094	0.067	ppbv	#	74
19) Isopropyl Alcohol	4.05	45	252763	4.550	ppbv	#	1
20) Methylene Chloride	4.41	84	392576	10.308	ppbv		99
21) Allyl Chloride	4.40	41	16556	0.292	ppbv	#	37
23) Vinyl Acetate	5.14	43	21715	0.161	ppbv	#	50
25) Ethyl Acetate	5.77	43	171232	1.009	ppbv	#	82
26) Hexane	5.78	57	215762	2.843	ppbv	#	43
29) Chloroform	5.85	83	3780	0.030	ppbv		84
34) 2-Butanone	5.33	43	55722	0.510	ppbv		98
35) Carbon Tetrachloride	7.13	117	7739	0.066	ppbv		97
36) Benzene	6.99	78	15131	0.102	ppbv	#	92
39) 1,2-Dichloropropane	7.29	63	439650	7.886	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.99	57	8204	0.033	ppbv	#	1
52) Tetrachloroethene	11.38	164	3939	0.064	ppbv		89
53) Toluene	9.94	91	1529204	9.040	ppbv		100
58) Ethyl Benzene	13.12	91	21732	0.096	ppbv		91
59) m/p-Xylene	13.13	91	7230	0.037	ppbv	#	100
60) o-Xylene	13.85	91	12776	0.067	ppbv		93
74) 1,2,4-Trimethylbenzene	16.92	105	27907	0.126	ppbv	#	70

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

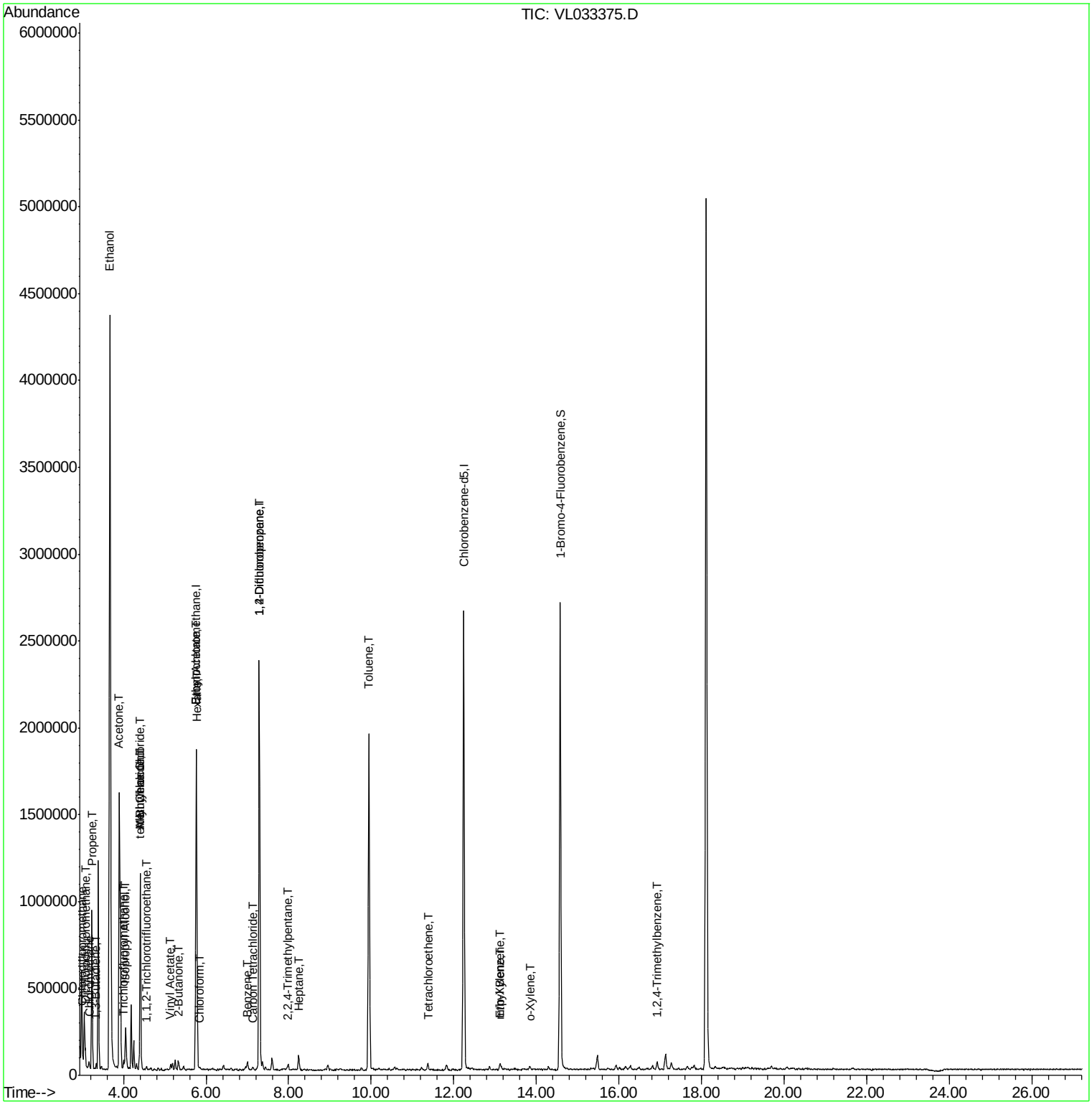
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

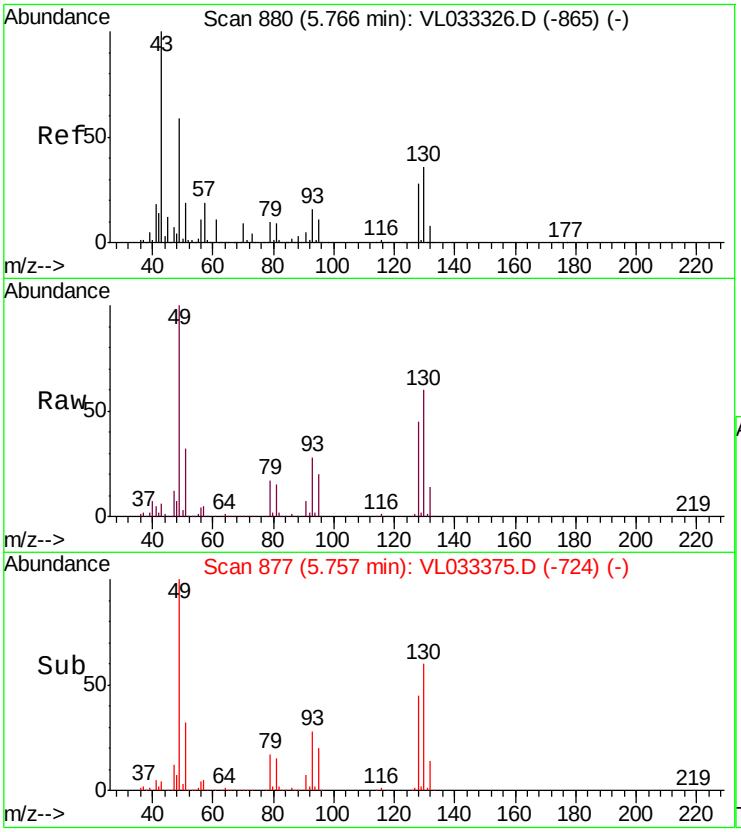
Quantitation Report (Not Reviewed)

Data File : VL033375.D
Acq On : 19 Mar 2019 1:58
Operator : SY/AP
Sample : K1805-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Quant Time: Mar 19 06:58:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



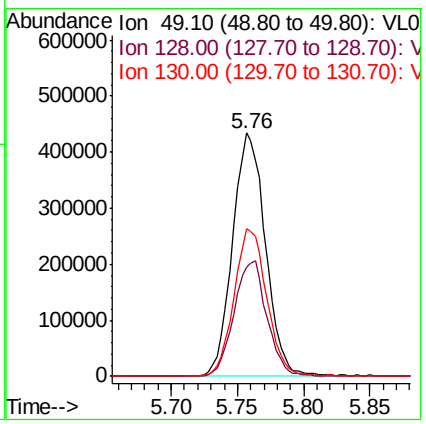


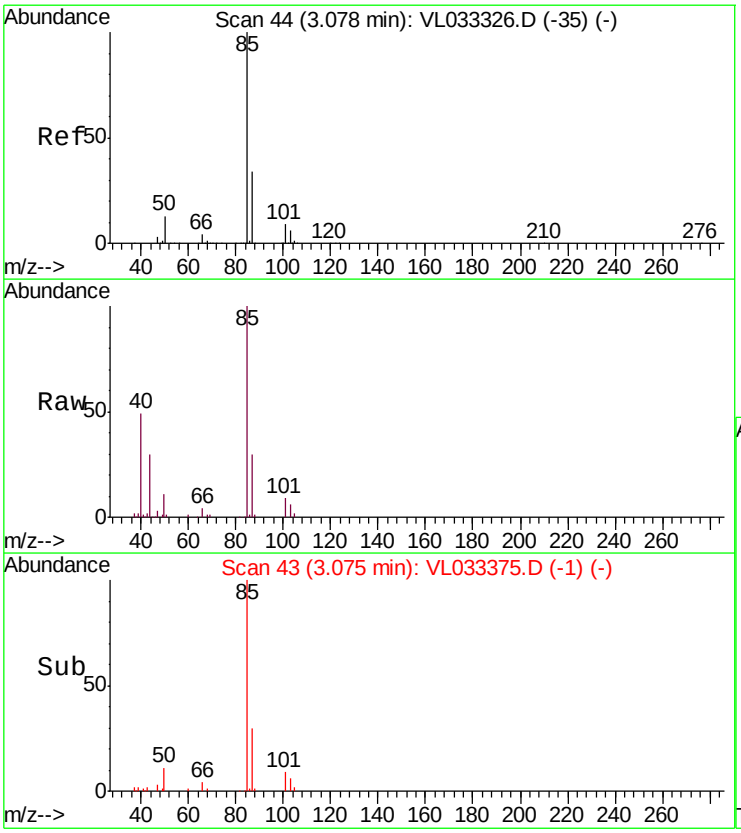
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA3

Tgt Ion: 49 Resp: 751222

Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.5	70.6
130	60.4	30.1	90.3

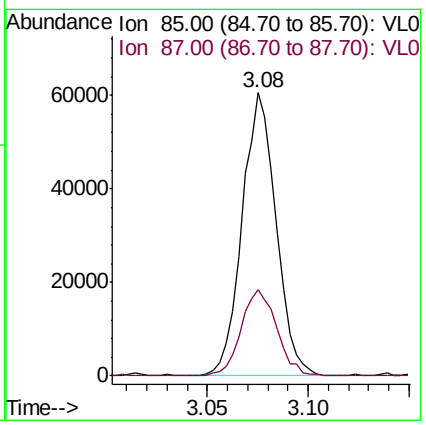


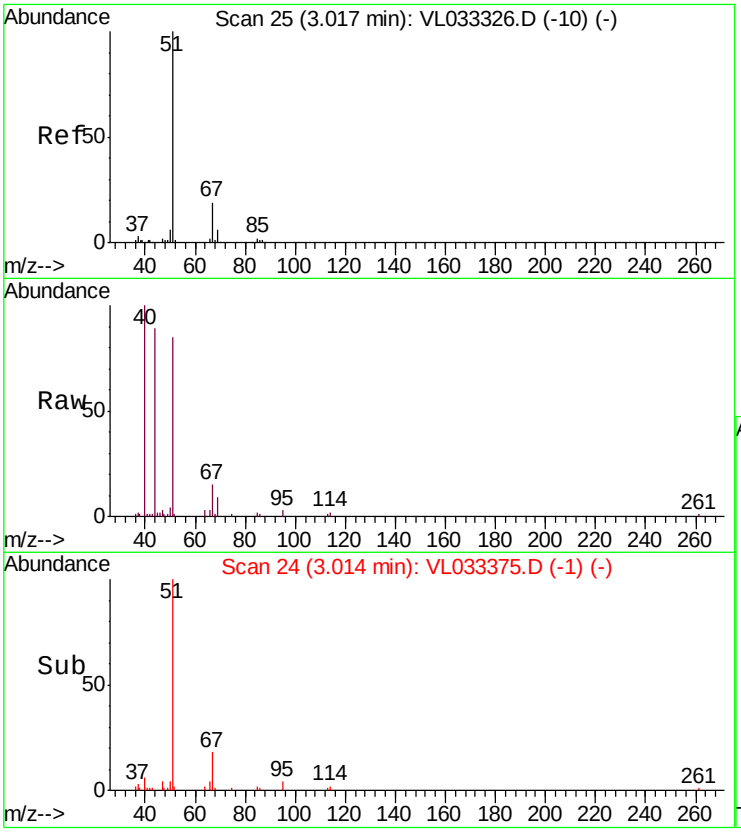


#2
Dichlorodifluoromethane
Concen: 0.542 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 85 Resp: 71638

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.9	40.3



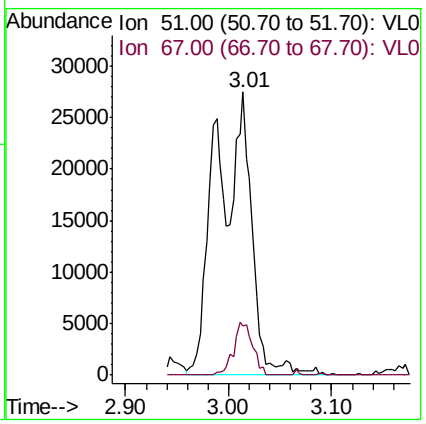


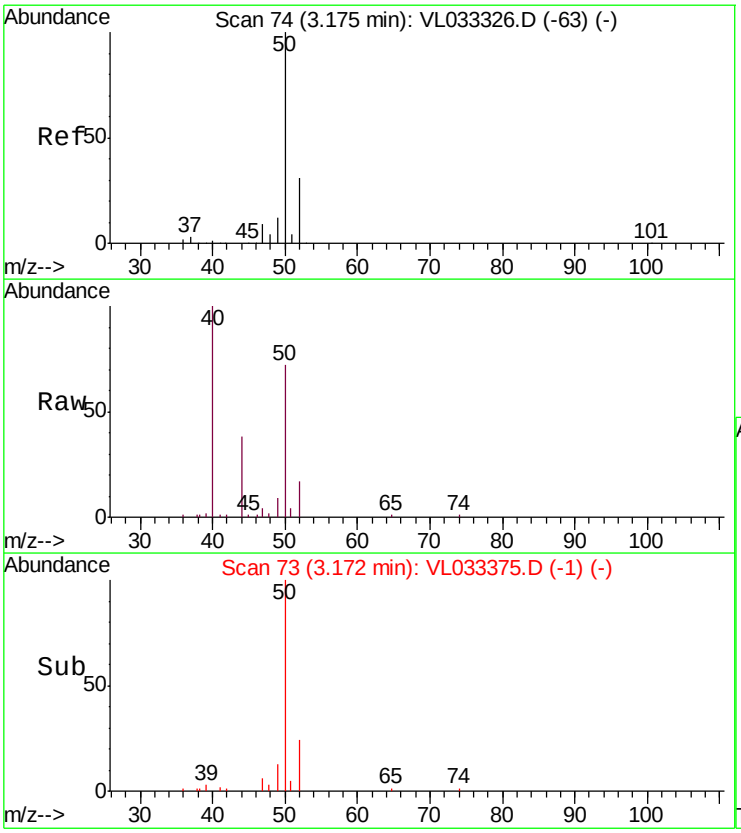
#3
Chlorodifluoromethane
Concen: 0.750 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 51 Resp: 64672

Ion	Ratio	Lower	Upper
51	100		
67	10.2	14.9	22.3#

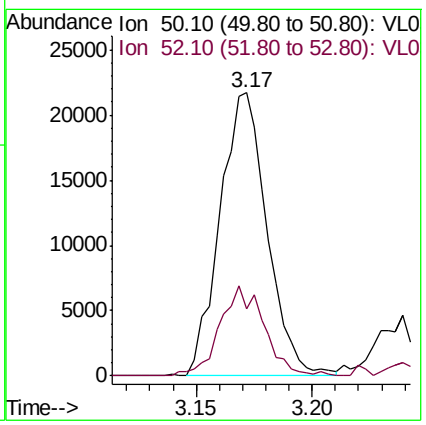


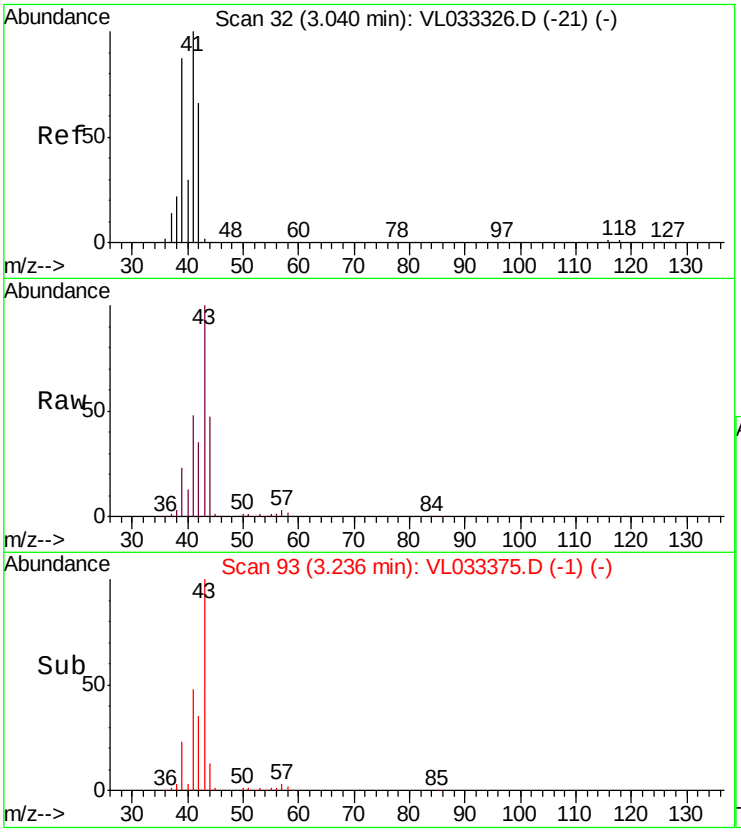


#4
Chloromethane
Concen: 0.654 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 50 Resp: 30558

Ion	Ratio	Lower	Upper
50	100		
52	22.6	25.0	37.6#



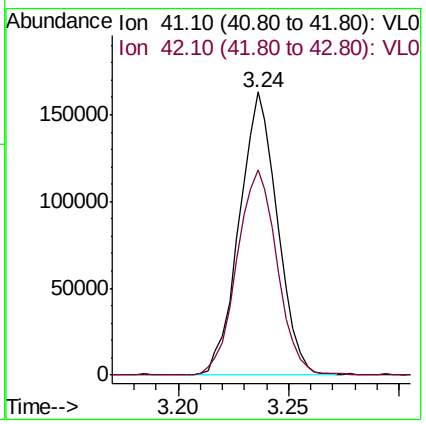


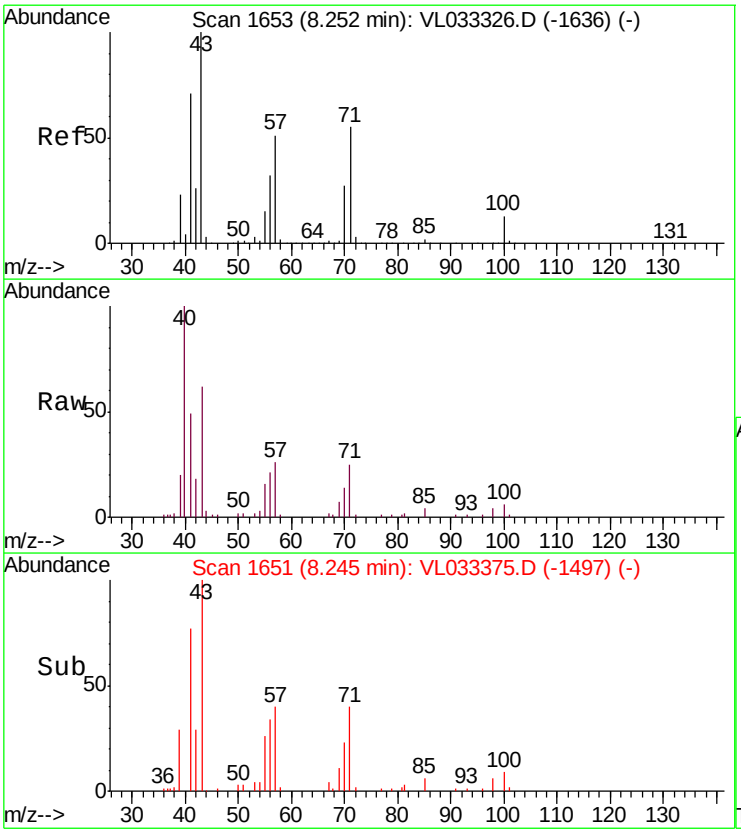
#9
Propene
Concen: 5.100 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA3

Tgt Ion: 41 Resp: 196319

Ion	Ratio	Lower	Upper
41	100		
42	76.9	55.2	82.8

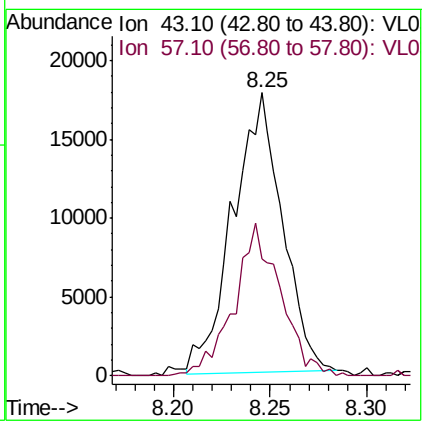


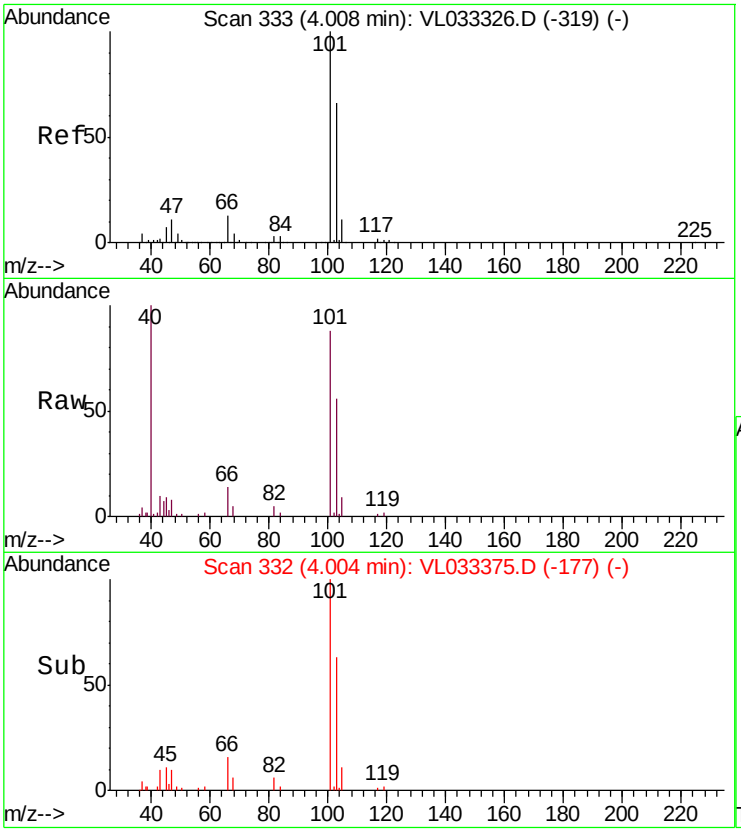


#10
Heptane
Concen: 0.331 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 43 Resp: 31554

Ion	Ratio	Lower	Upper
43	100		
57	50.9	40.4	60.6



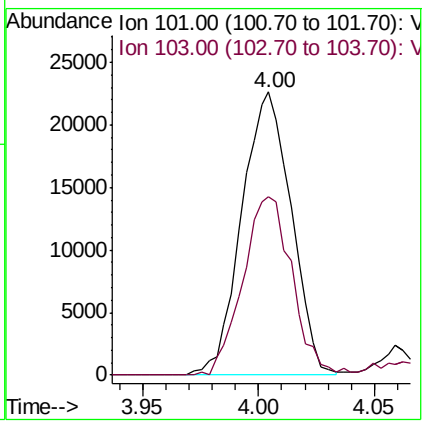


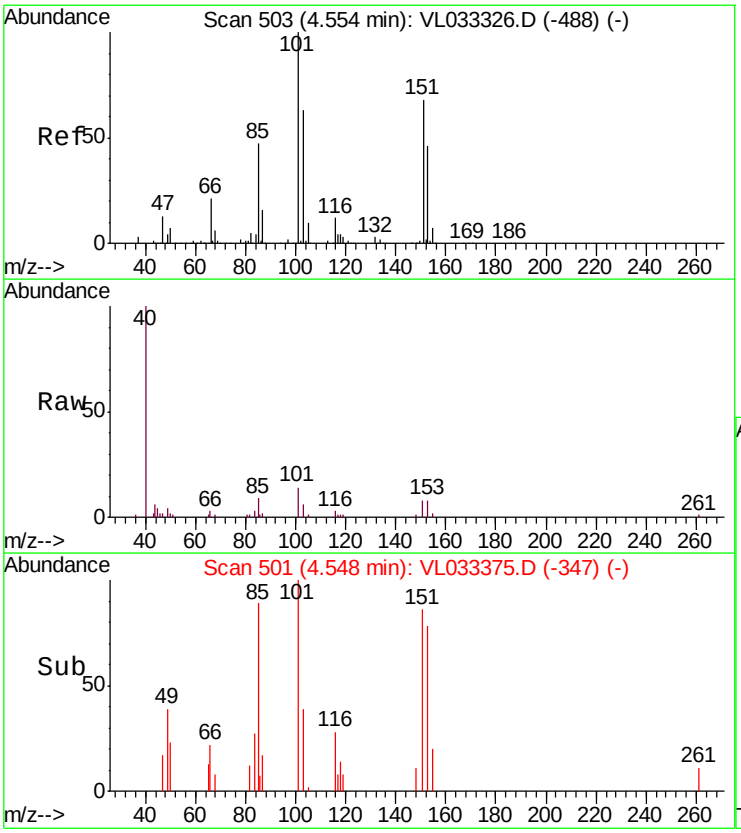
#11
Trichlorofluoromethane
Concen: 0.255 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion:101 Resp: 33585

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.9	79.3

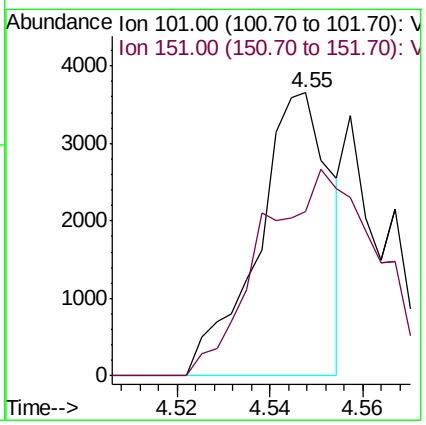


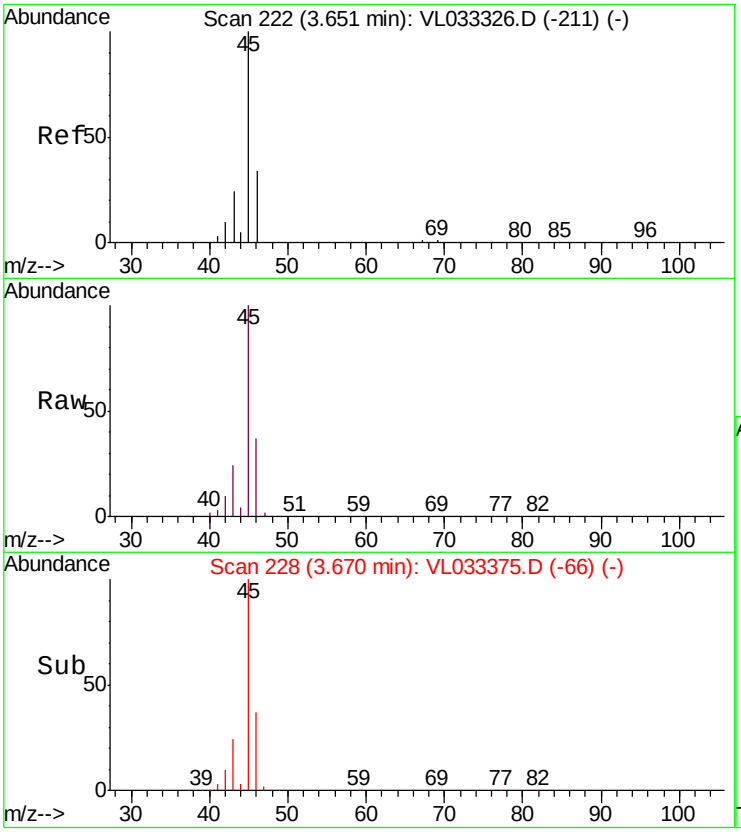


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.045 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion:101 Resp: 3970

Ion	Ratio	Lower	Upper
101	100		
151	117.3	56.3	84.5#



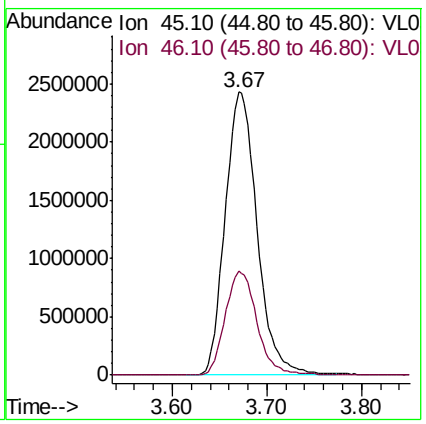


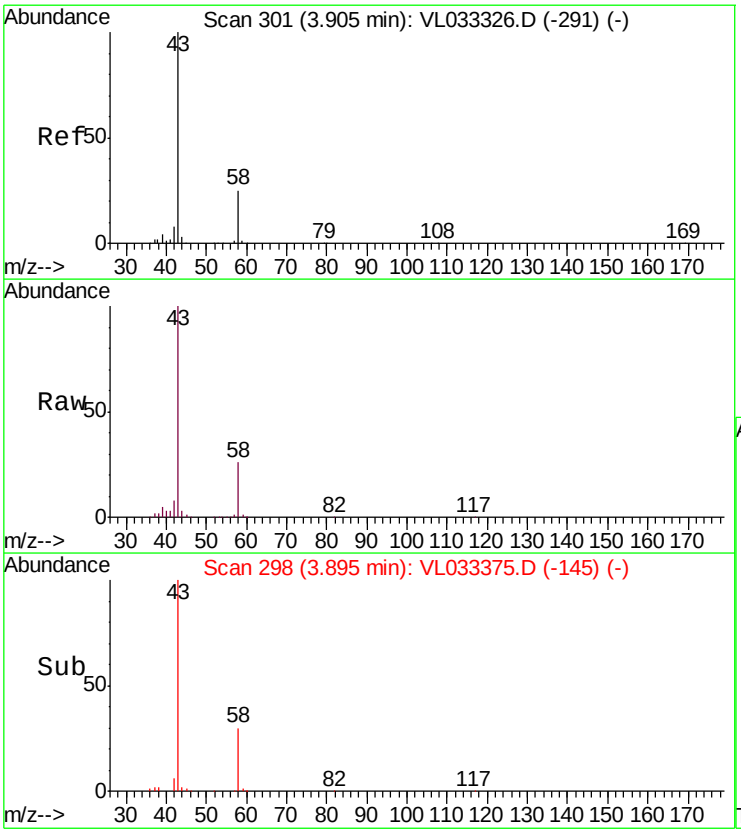
#13
Ethanol
Concen: 310.730 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 45 Resp: 5701674

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.9	59.7

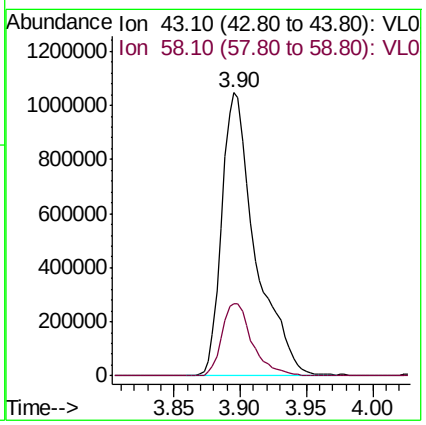


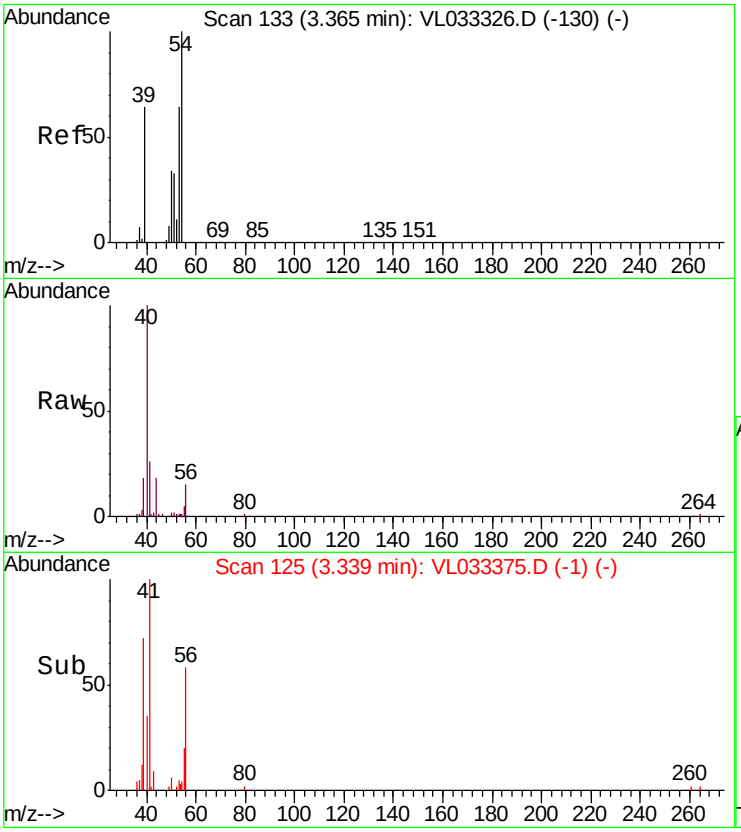


#15
Acetone
Concen: 15.782 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 43 Resp: 1842978

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.4	30.6



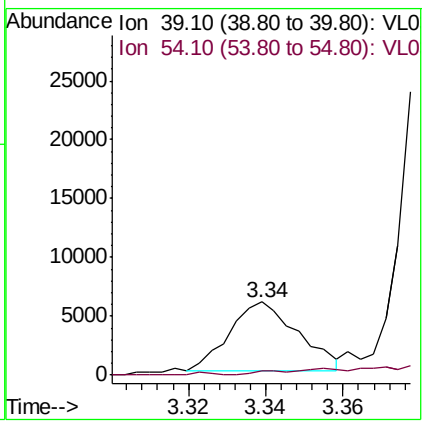


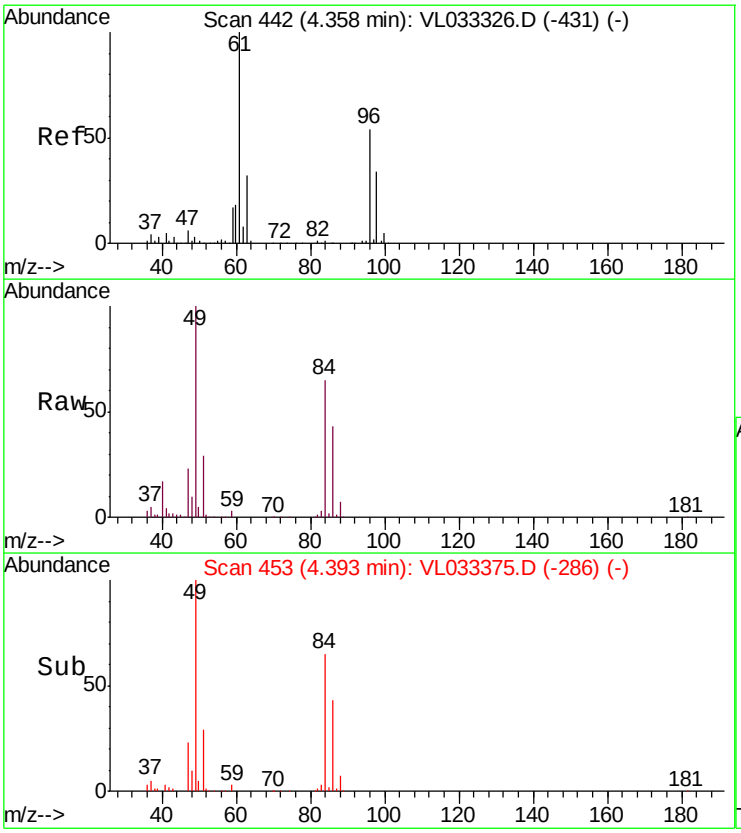
#16
1,3-Butadiene
Concen: 0.189 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.03 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 39 Resp: 7166

Ion	Ratio	Lower	Upper
39	100		
54	0.0	76.8	115.2#

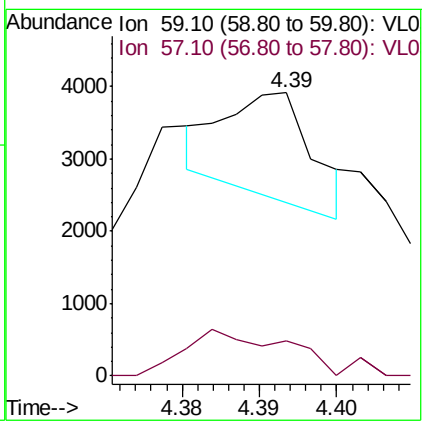


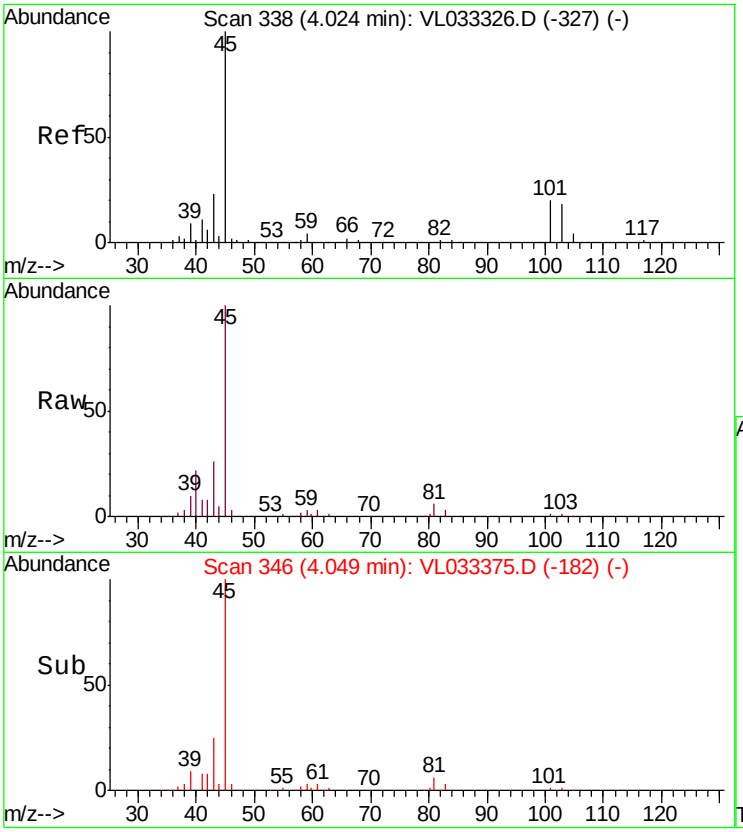


#17
tert-Butyl alcohol
Concen: 0.067 ppbv
RT: 4.39 min Scan# 453
Delta R.T. 0.04 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 59 Resp: 1094

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#



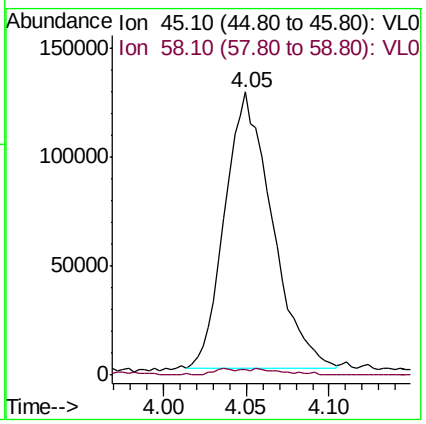


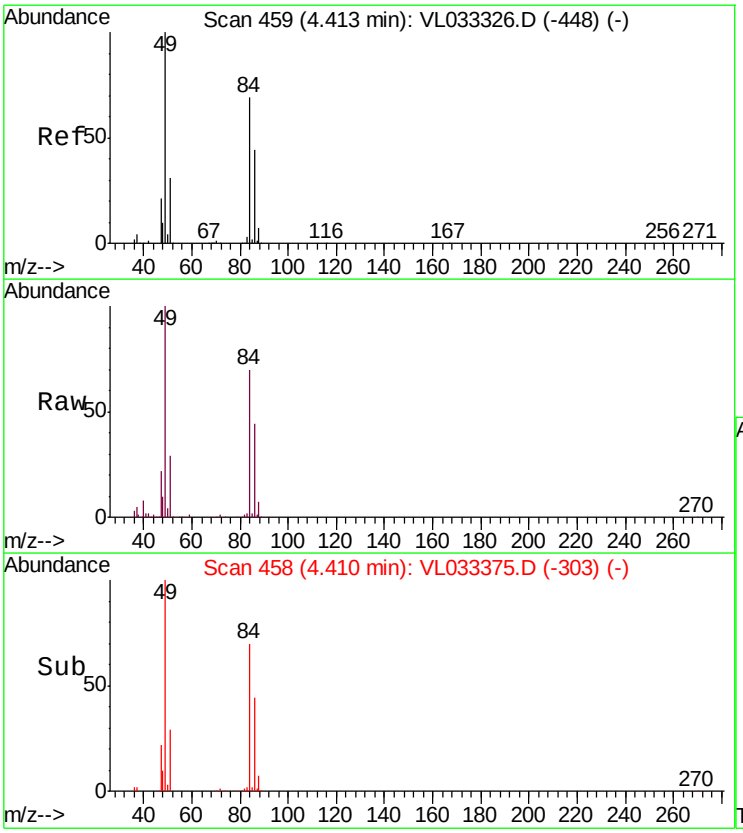
#19
Isopropyl Alcohol
Concen: 4.550 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.03 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 45 Resp: 252763

Ion	Ratio	Lower	Upper
45	100		
58	168.9	1.5	2.3#

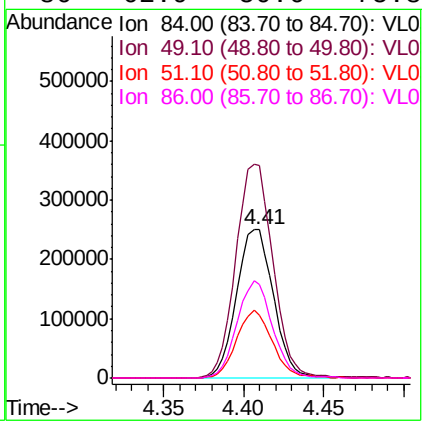


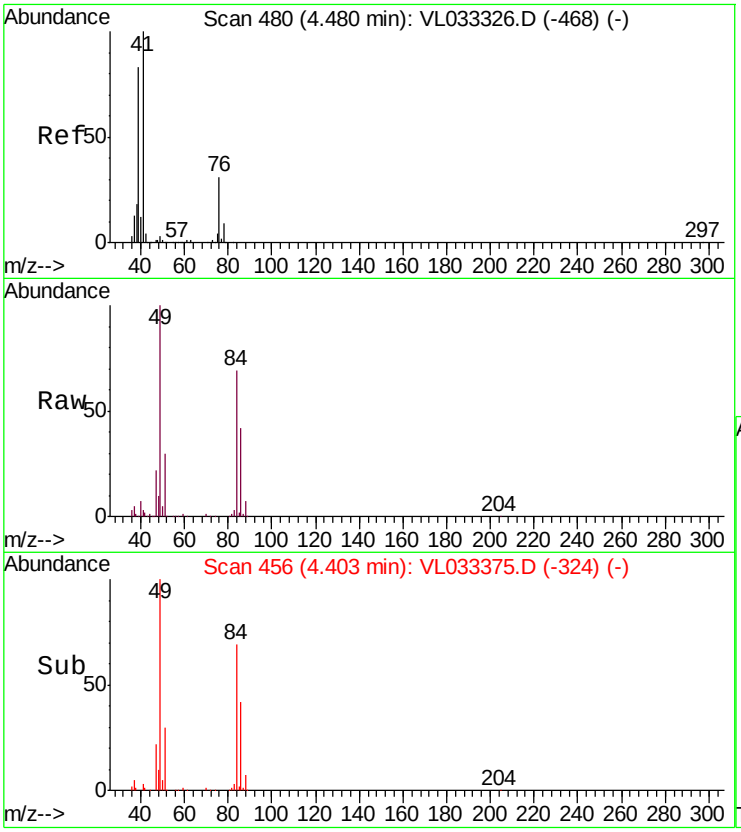


#20
Methylene Chloride
Concen: 10.308 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 84 Resp: 392576

Ion	Ratio	Lower	Upper
84	100		
49	143.3	115.4	173.0
51	42.0	35.8	53.6
86	62.9	50.6	75.8



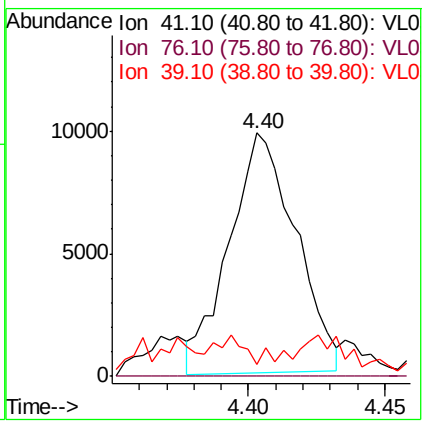


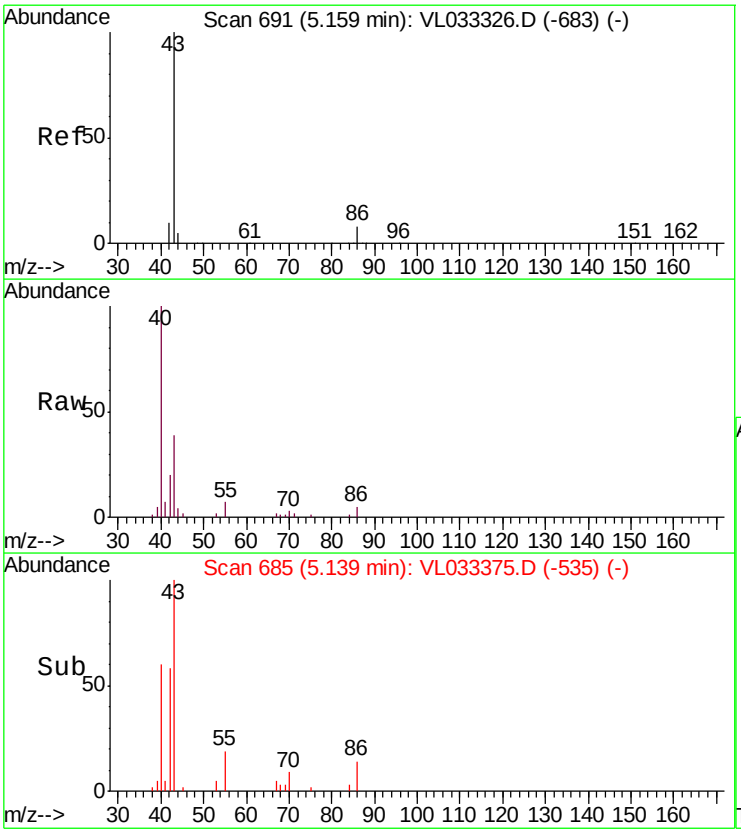
#21
Allyl Chloride
Concen: 0.292 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.08 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 41 Resp: 16556

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.4#
39	23.3	65.9	98.9#

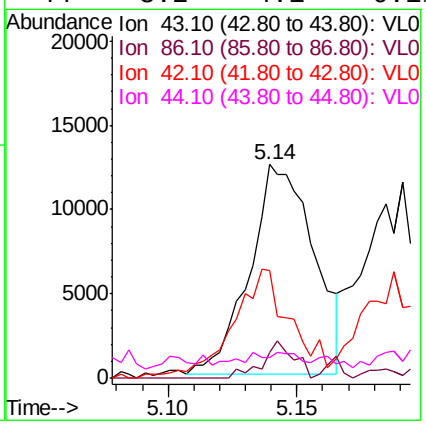


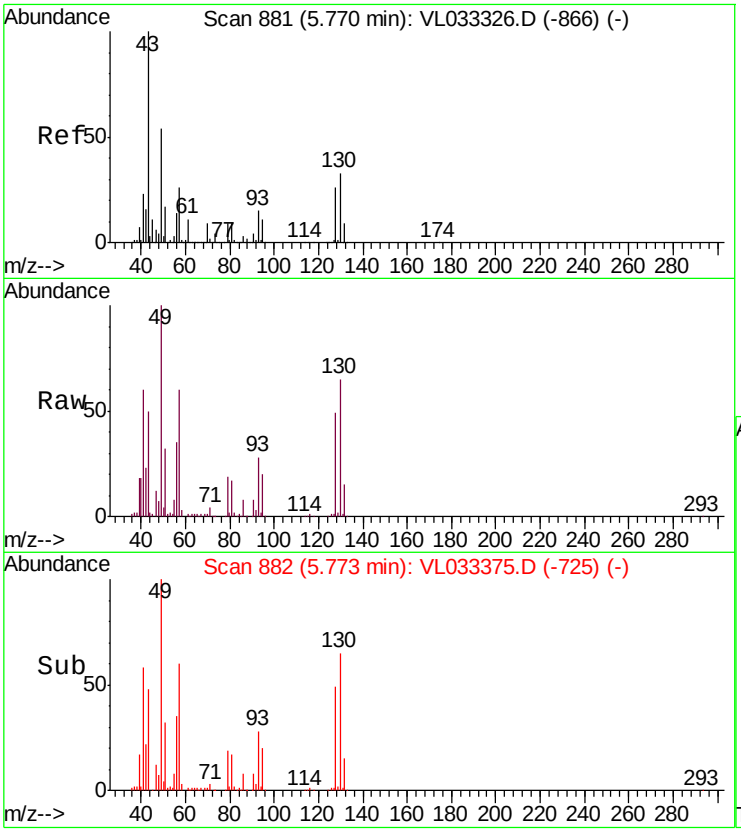


#23
Vinyl Acetate
Concen: 0.161 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.02 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 43 Resp: 21715

Ion	Ratio	Lower	Upper
43	100		
86	11.9	6.2	9.2#
42	48.0	8.1	12.1#
44	3.2	4.1	6.1#



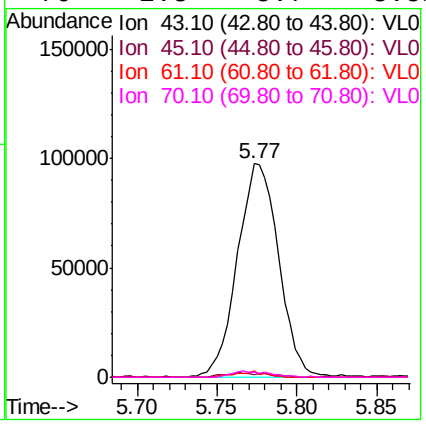


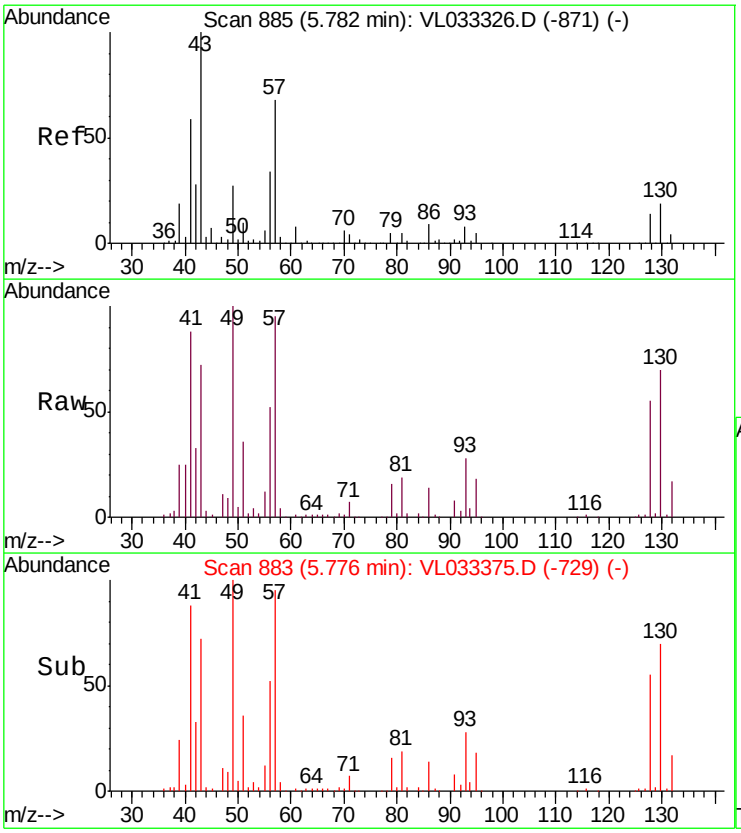
#25
Ethyl Acetate
Concen: 1.009 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 43 Resp: 171232

Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.9	11.9#
61	1.9	7.4	11.2#
70	2.8	5.7	8.5#

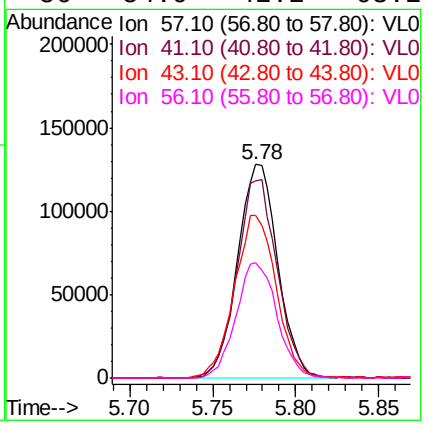


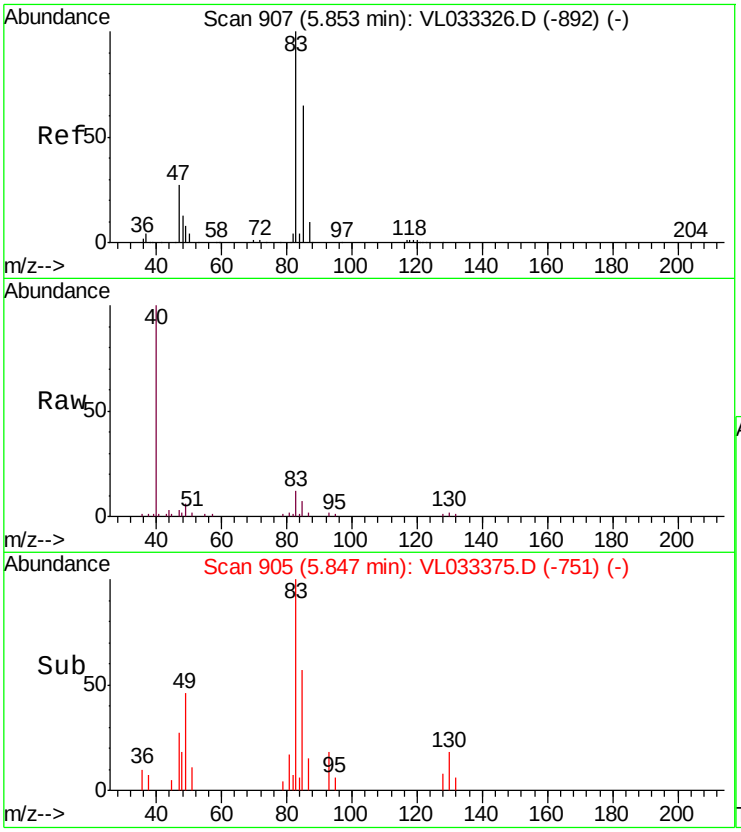


#26
Hexane
Concen: 2.843 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 57 Resp: 215762

Ion	Ratio	Lower	Upper
57	100		
41	93.6	70.5	105.7
43	79.8	181.8	272.8#
56	54.9	42.2	63.2



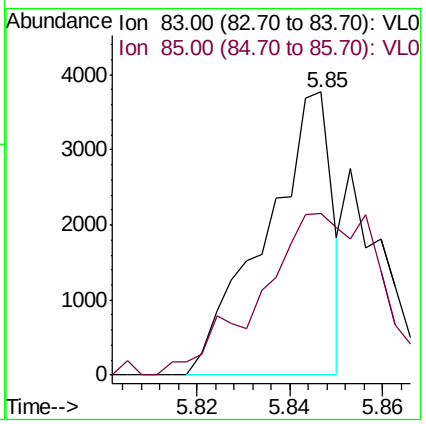


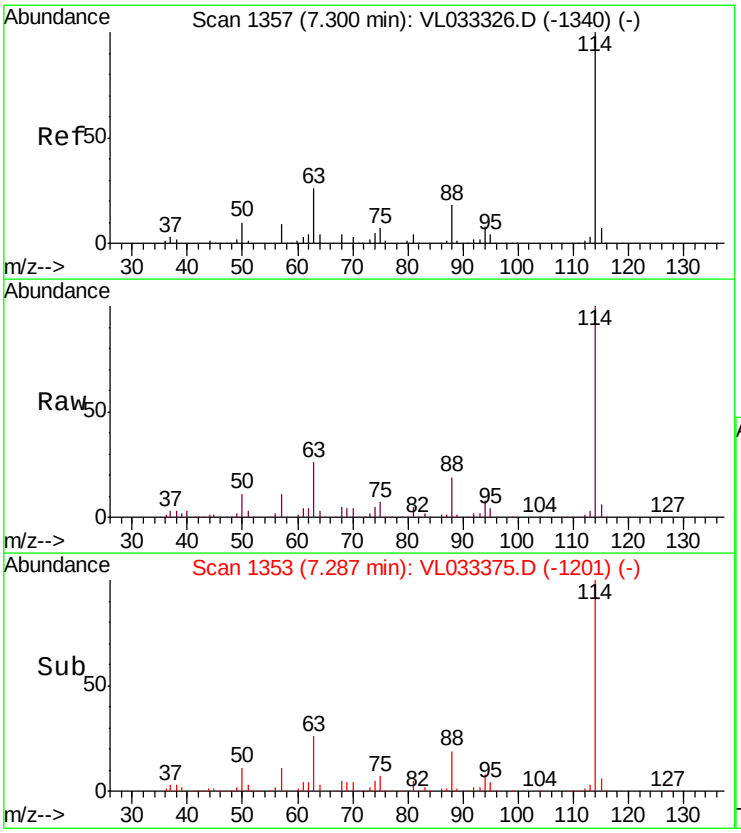
#29
Chloroform
Concen: 0.030 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA3

Tgt Ion: 83 Resp: 3780

Ion	Ratio	Lower	Upper
83	100		
85	52.3	52.0	78.0

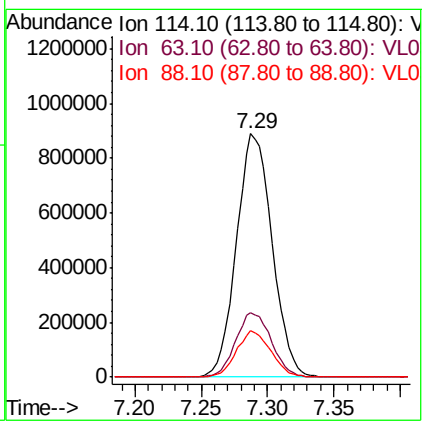


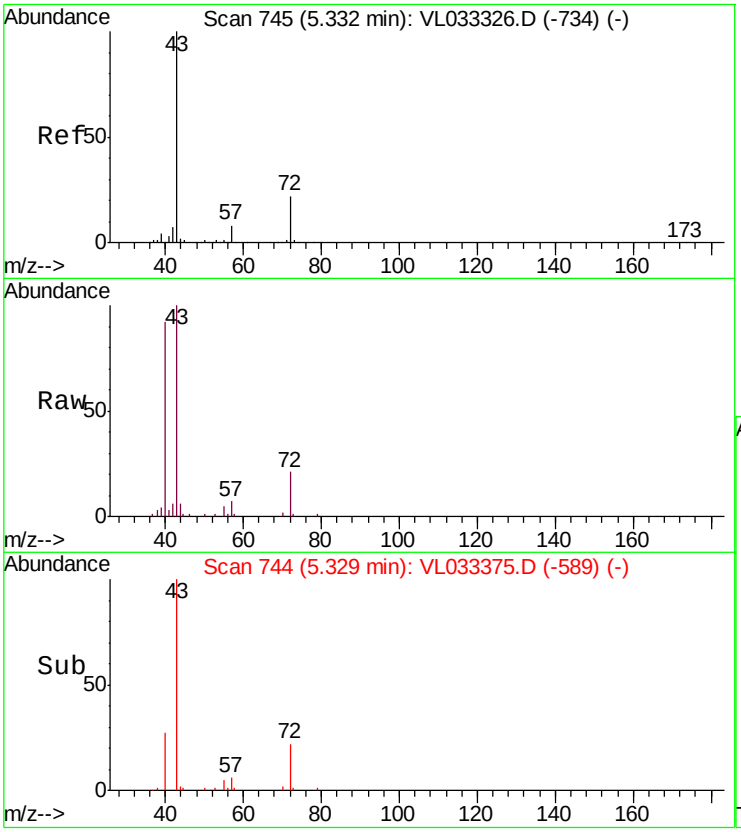


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion:114 Resp: 1663495

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.4	32.2
88	18.4	14.5	21.7



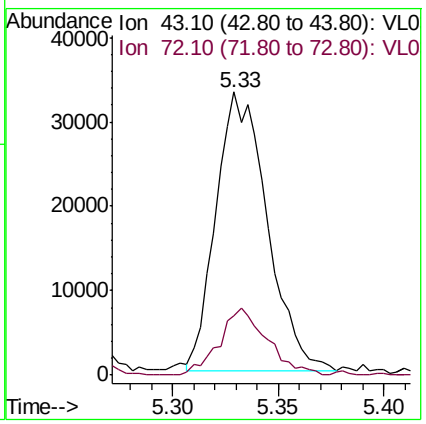


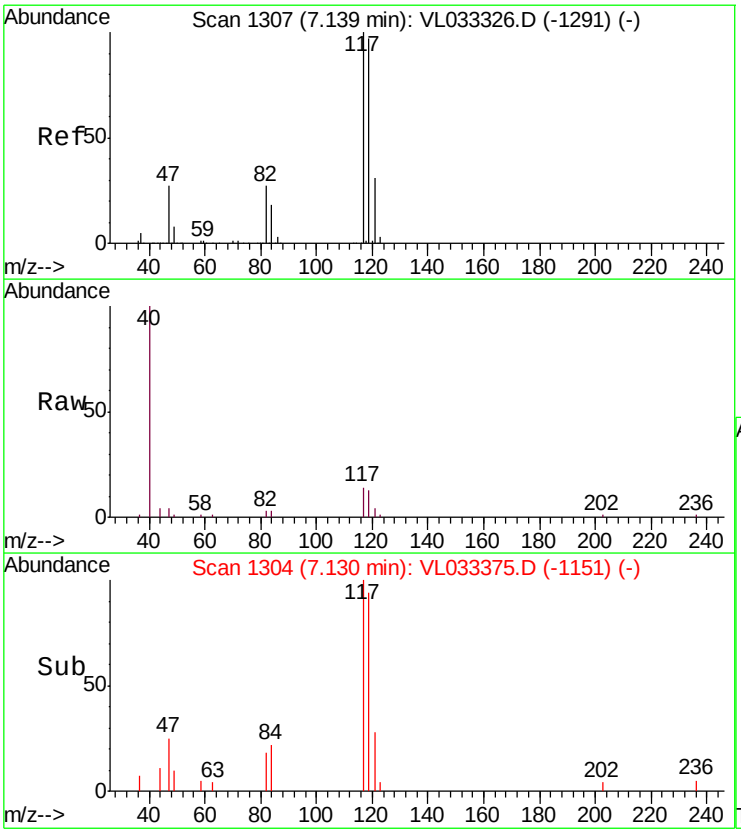
#34
2-Butanone
Concen: 0.510 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 43 Resp: 55722

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.7	26.5

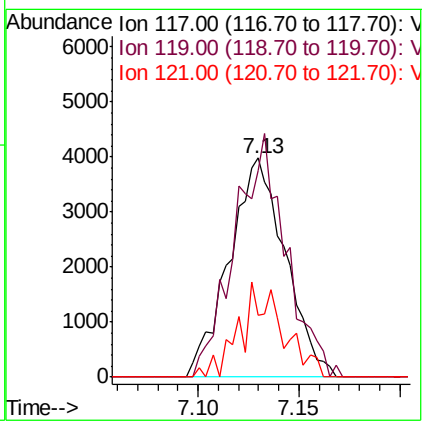


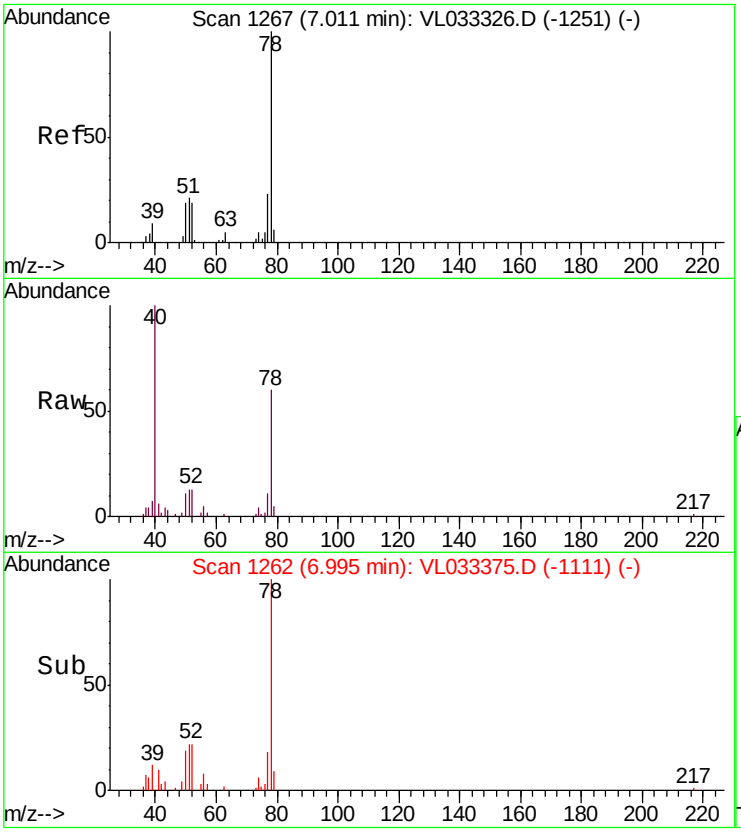


#35
Carbon Tetrachloride
Concen: 0.066 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion:117 Resp: 7739

Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.4	116.0
121	28.1	24.9	37.3



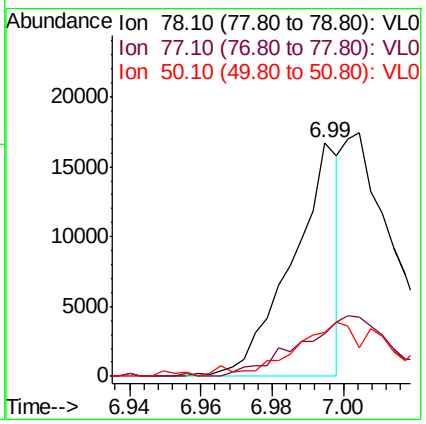


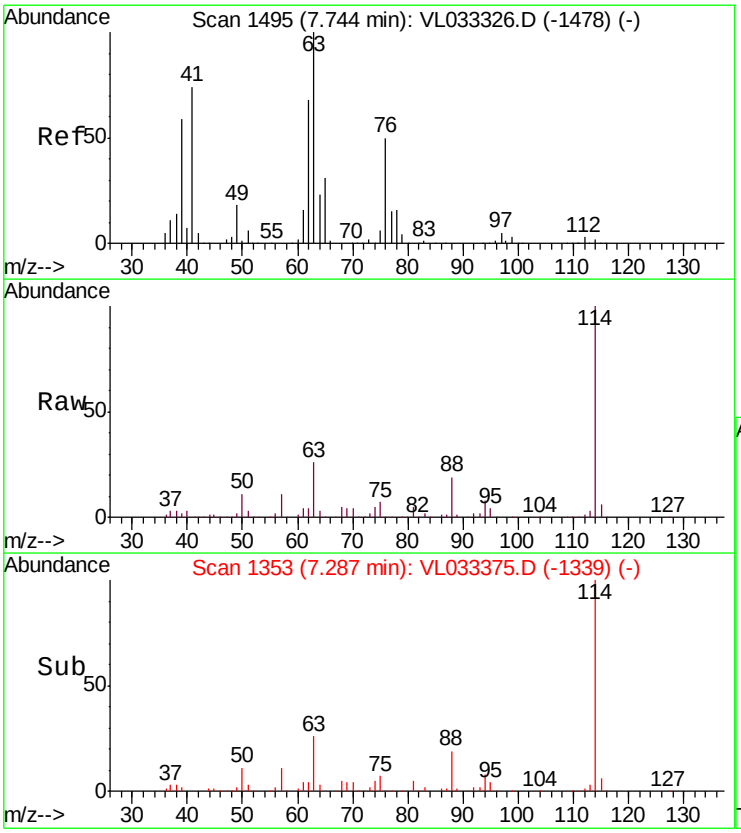
#36
Benzene
Concen: 0.102 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA3

Tgt Ion: 78 Resp: 15131

Ion	Ratio	Lower	Upper
78	100		
77	17.1	18.1	27.1#
50	17.3	15.2	22.8

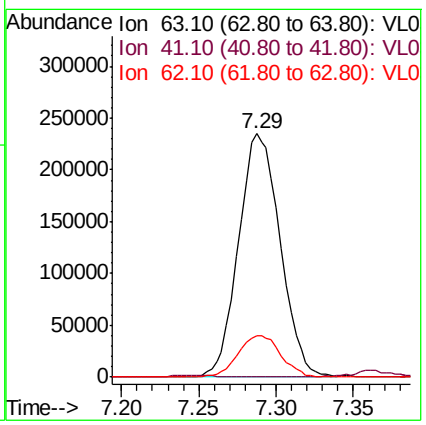


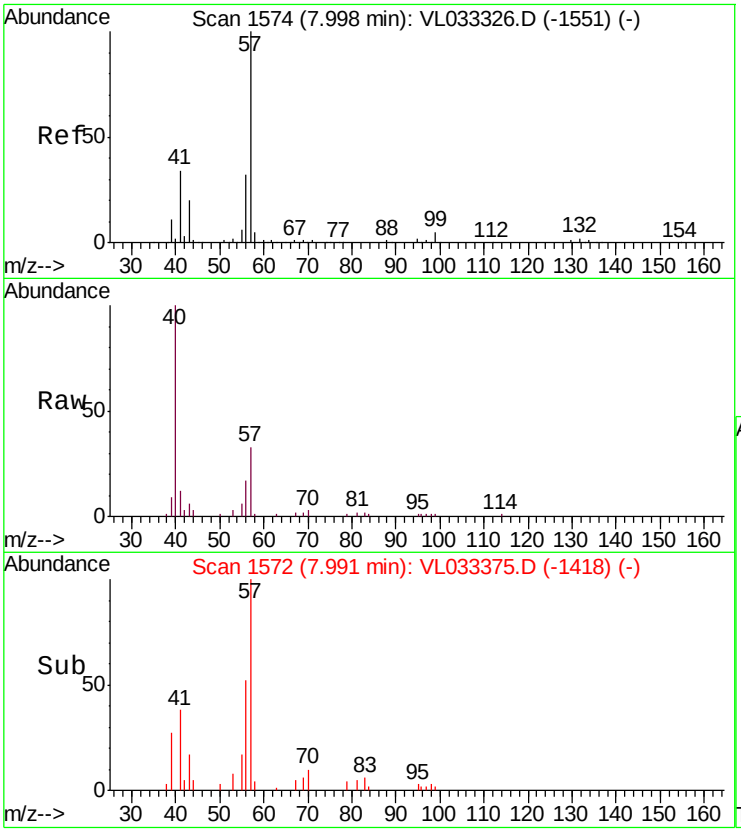


#39
1,2-Dichloropropane
Concen: 7.886 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 63 Resp: 439650

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	16.9	54.7	82.1#



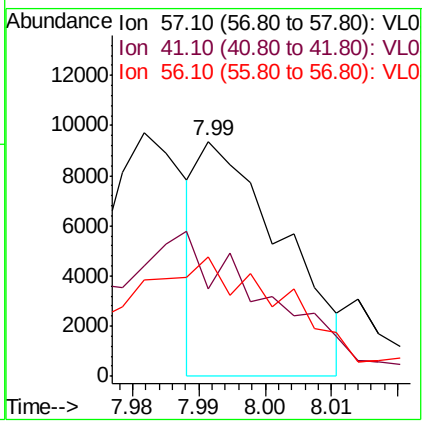


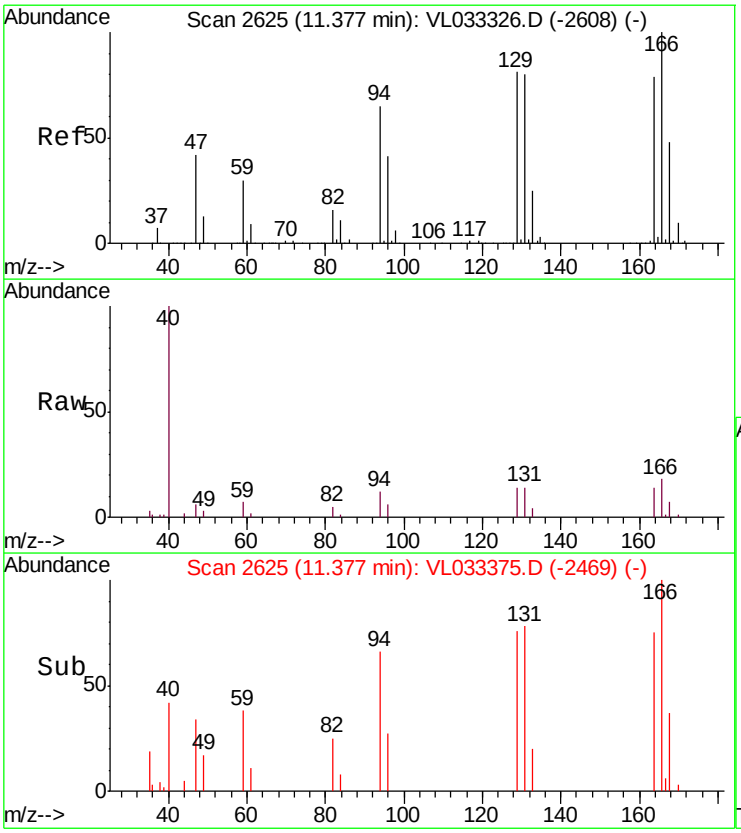
#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 57 Resp: 8204

Ion	Ratio	Lower	Upper
57	100		
41	135.6	26.0	39.0#
56	115.6	24.6	36.8#

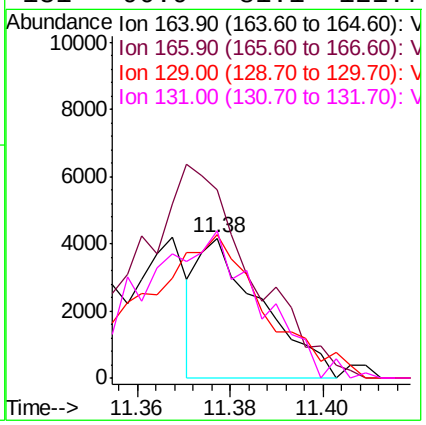


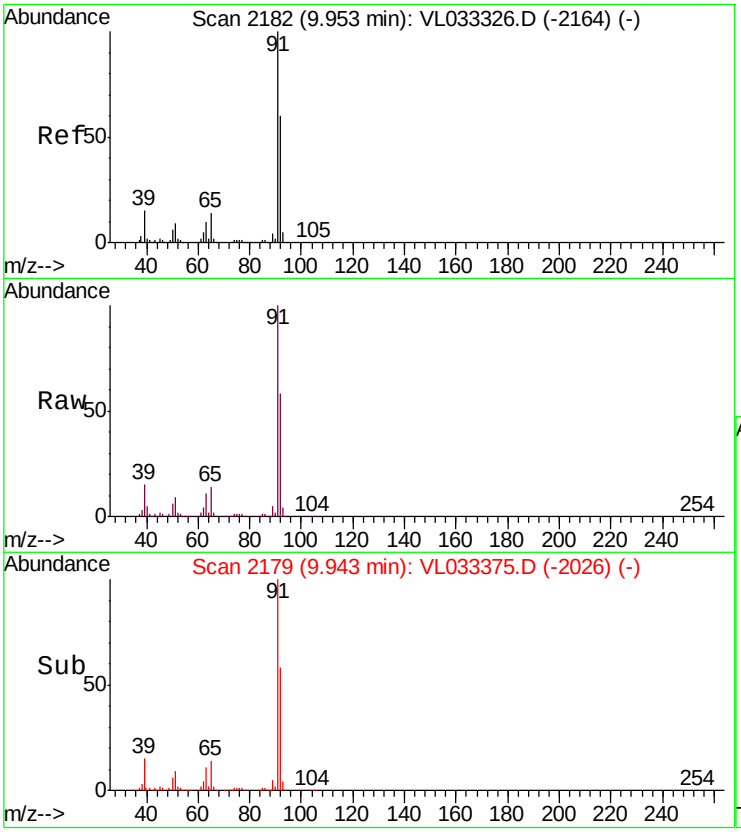


#52
Tetrachloroethene
Concen: 0.064 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion:164 Resp: 3939

Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.5	152.3
129	83.6	82.2	123.2
131	90.9	81.1	121.7



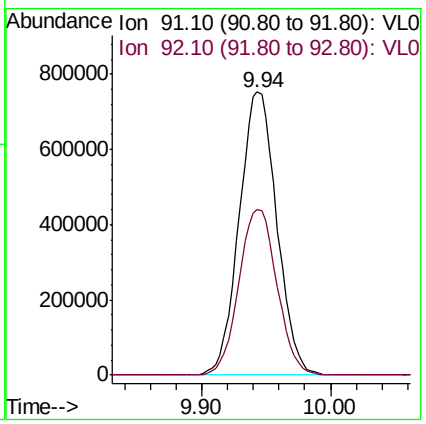


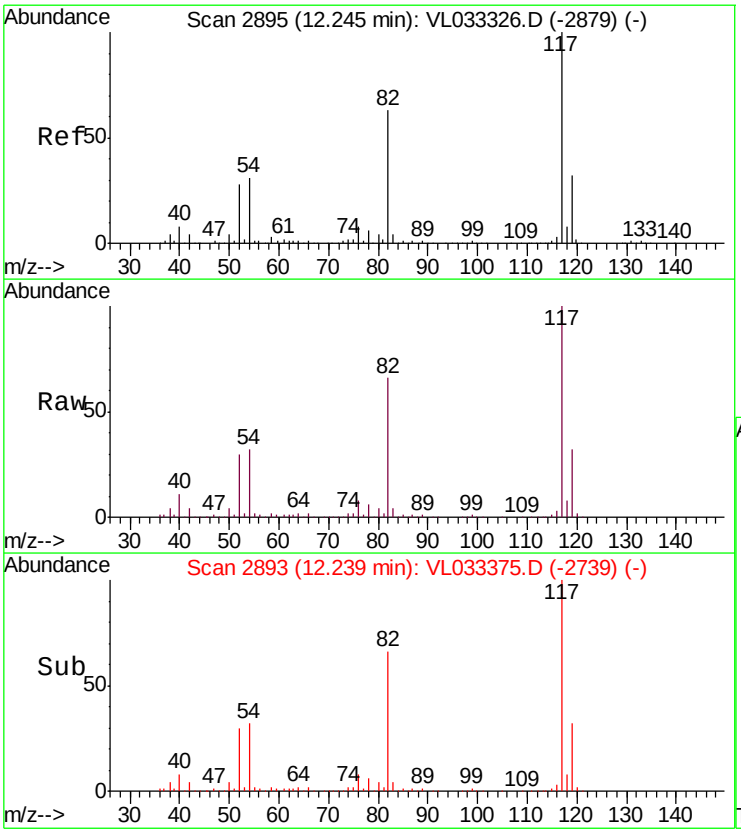
#53
Toluene
Concen: 9.040 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 91 Resp: 1529204

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.4	71.0

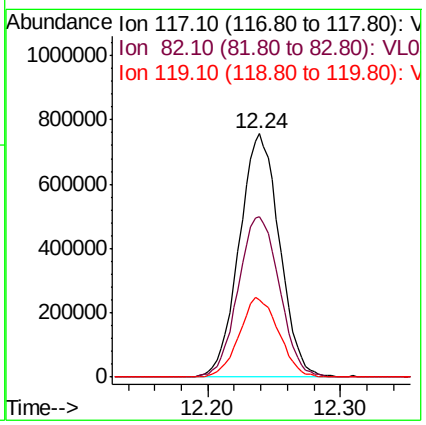


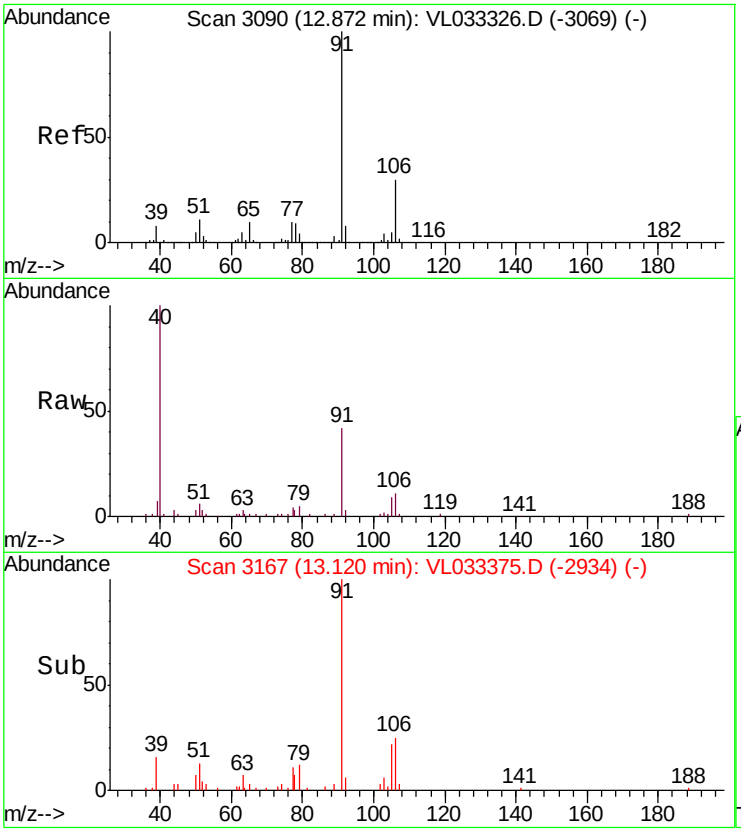


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion:117 Resp: 1597691

Ion	Ratio	Lower	Upper
117	100		
82	68.1	53.4	80.2
119	32.4	27.3	40.9



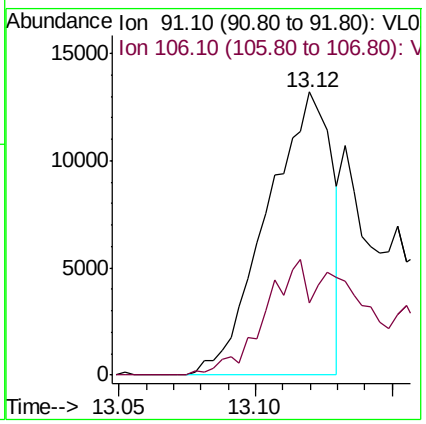


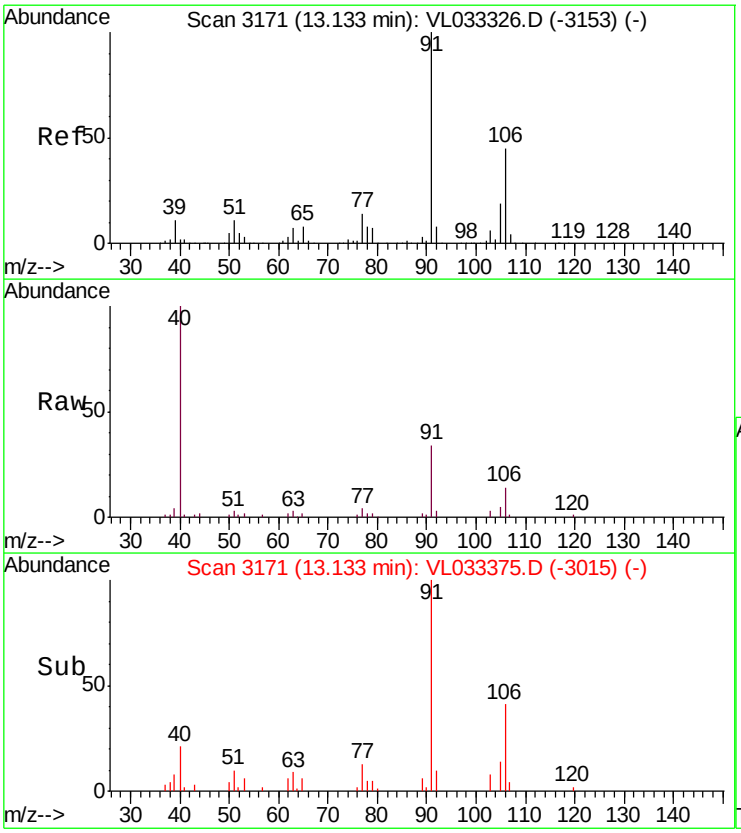
#58
Ethyl Benzene
Concen: 0.096 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. 0.25 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument : MSVOA_L
ClientSampleId : L1HA-IA3

Tgt Ion: 91 Resp: 21732

Ion	Ratio	Lower	Upper
91	100		
106	25.4	24.2	36.2

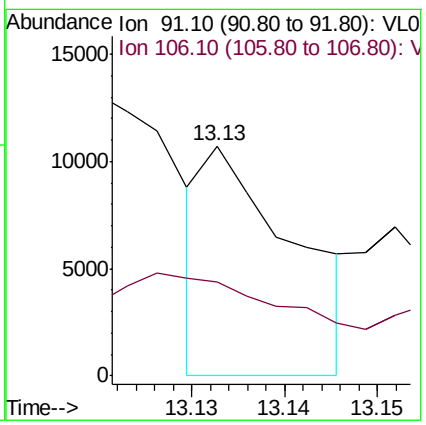


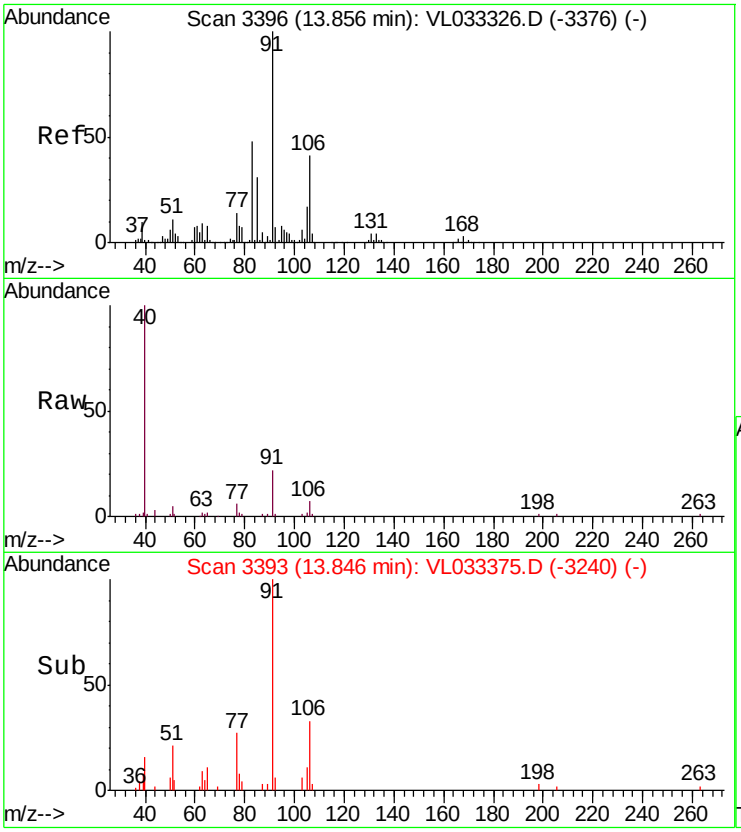


#59
m/p-Xylene
Concen: 0.037 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 91 Resp: 7230

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



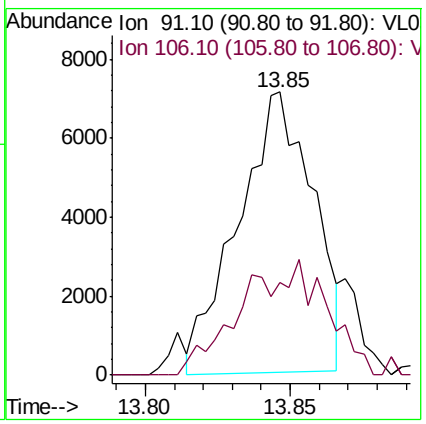


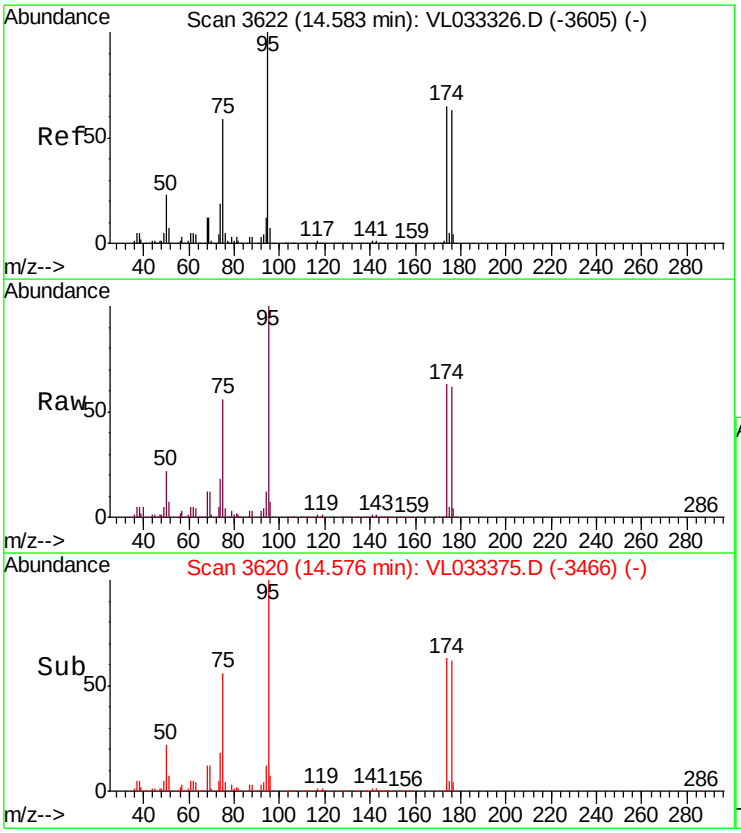
#60
o-Xylene
Concen: 0.067 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA3

Tgt Ion: 91 Resp: 12776

Ion	Ratio	Lower	Upper
91	100		
106	47.2	21.3	63.9

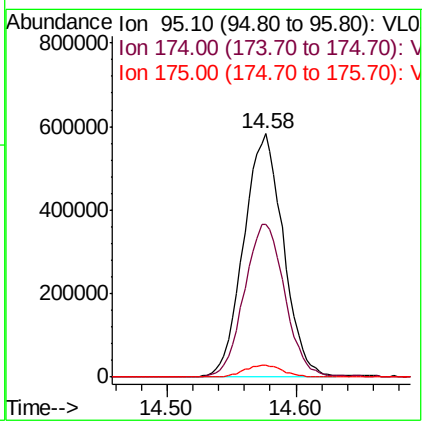


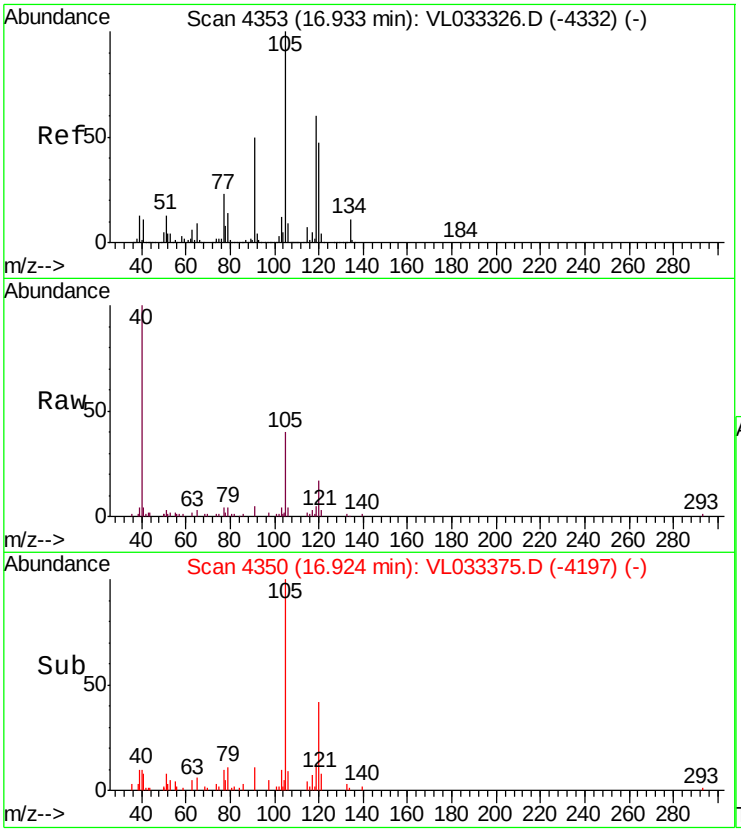


#68
1-Bromo-4-Fluorobenzene
Concen: 10.545 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Tgt Ion: 95 Resp: 1248376

Ion	Ratio	Lower	Upper
95	100		
174	64.7	51.5	77.3
175	4.8	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.126 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033375.D
Acq: 19 Mar 2019 1:58

Instrument :
MSVOA_L
ClientSampleId :
L1HA-IA3

Tgt Ion:105 Resp: 27907

Ion	Ratio	Lower	Upper
105	100		
120	49.8	37.4	56.2
91	12.8	41.0	61.4#
77	10.2	18.5	27.7#