Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033408.D
Acq On : 21 Mar 2019 2:56
Operator : SY/AP
Sample : K1975-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV2

Quant Time: Mar 21 12:41:51 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	787233	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1918755	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1812560	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1377558	10.26	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.01	51	3849	0.043	ppbv	#	57
9) Propene	3.04	41	49235	1.221	ppbv		89
10) Heptane	8.25	43	26979	0.270	ppbv		90
11) Trichlorofluoromethane	4.00	101	28406	0.206	ppbv		91
13) Ethanol	3.66	45	33866	1.761	ppbv		99
15) Acetone	3.90	43	1599053	13.067	ppbv		98
16) 1,3-Butadiene	3.35	39	50833	1.279	ppbv	#	16
19) Isopropyl Alcohol	4.06	45	34313	0.589	ppbv	#	95
20) Methylene Chloride	4.41	84	16562	0.415	ppbv		92
23) Vinyl Acetate	5.14	43	34332	0.242	ppbv	#	17
25) Ethyl Acetate	5.78	43	28964	0.163	ppbv	#	80
26) Hexane	5.78	57	42618	0.536	ppbv	#	37
27) Carbon Disulfide	4.62	76	8423	0.092	ppbv	#	55
30) Cyclohexane	7.25	84	4010	0.063	ppbv	#	1
32) 1,1,1-Trichloroethane	6.62	97	1123614	8.788	ppbv		99
34) 2-Butanone	5.33	43	139468	1.107	ppbv		96
36) Benzene	7.01	78	29147	0.170	ppbv		98
37) 1,2-Dichloroethane	6.62	62	76098	0.701	ppbv	#	1
39) 1,2-Dichloropropane	7.29	63	488862	7.602	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.99	57	56393	0.198	ppbv	#	60
52) Tetrachloroethene	11.38	164	4841761	67.680	ppbv		97
53) Toluene	9.95	91	259453	1.330	ppbv		99
58) Ethyl Benzene	12.86	91	27755	0.108	ppbv		89
59) m/p-Xylene	13.13	91	17817	0.081	ppbv	#	100
60) o-Xylene	13.85	91	41336	0.192	ppbv		97
72) 4-Ethyltoluene	16.00	105	9796	0.040	ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.15	105	9671	0.041	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	30933	0.123	ppbv	#	70

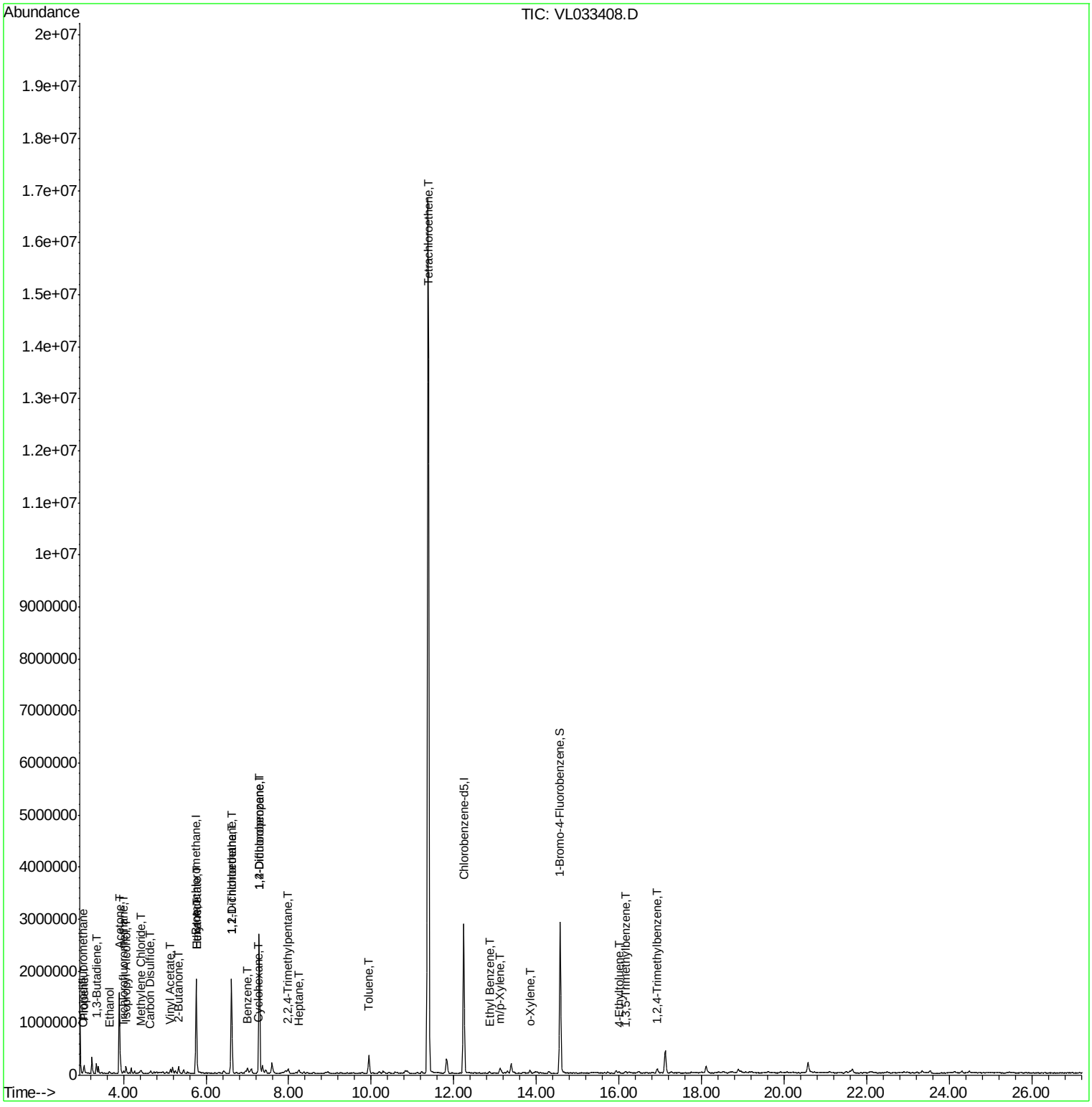
(#) = qualifier out of range (m) = manual integration (+) = signals summed

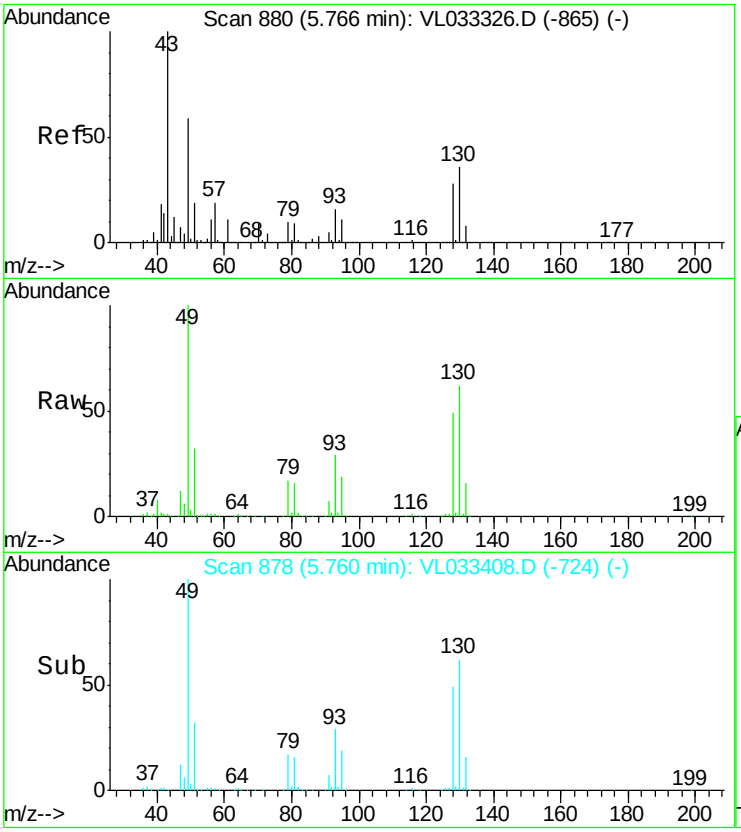
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033408.D
Acq On : 21 Mar 2019 2:56
Operator : SY/AP
Sample : K1975-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV2

Quant Time: Mar 21 12:41:51 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



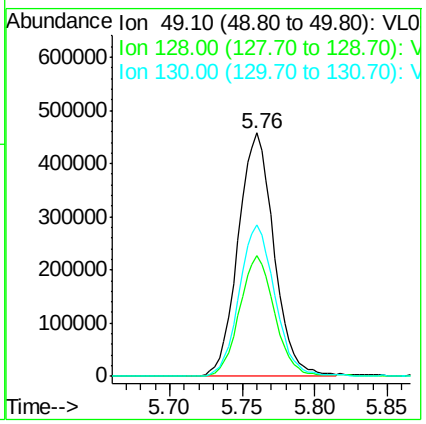


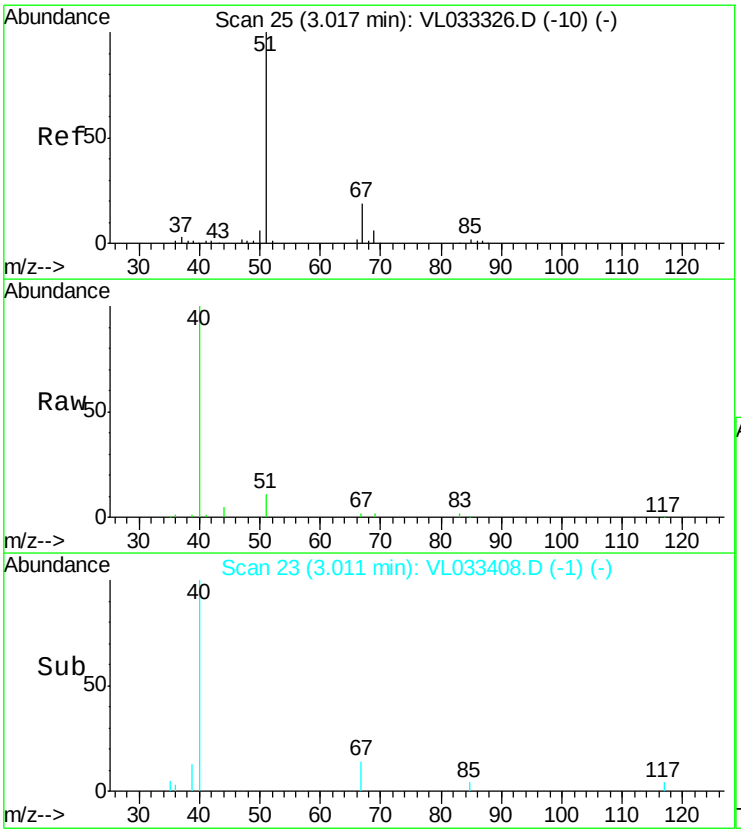
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 787233

Ion	Ratio	Lower	Upper
49	100		
128	48.7	23.5	70.6
130	62.2	30.1	90.3

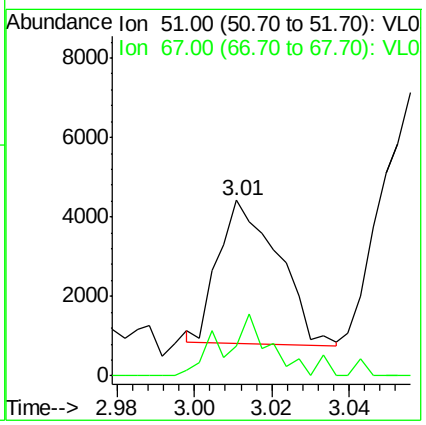




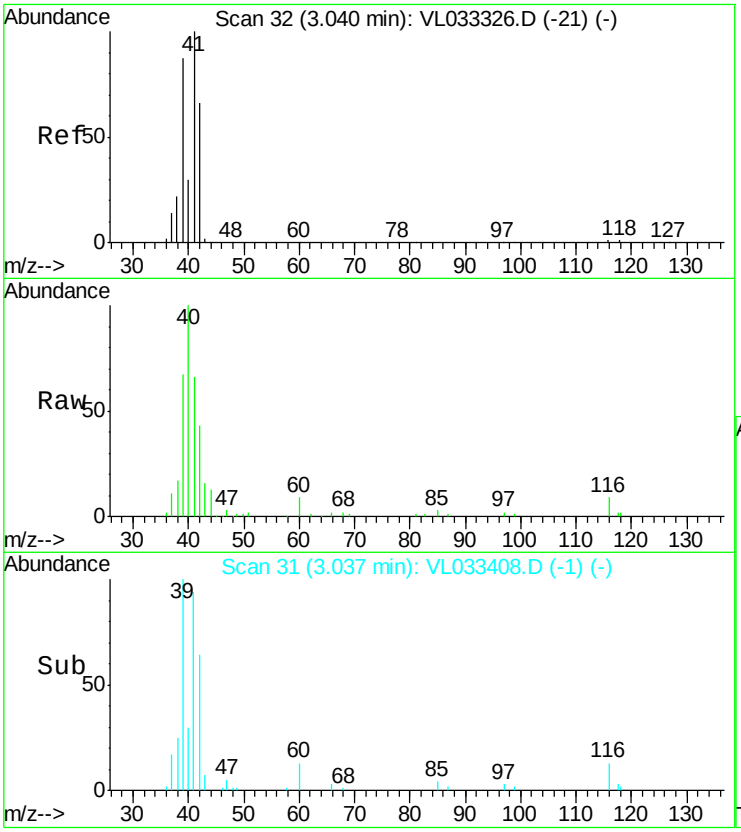
#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 51 Resp: 3849

Ion	Ratio	Lower	Upper
51	100		
67	37.8	14.9	22.3#



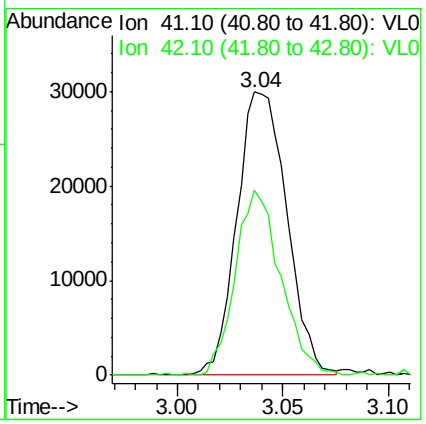
Instrument : MSVOA_L
ClientSampleId : SV2

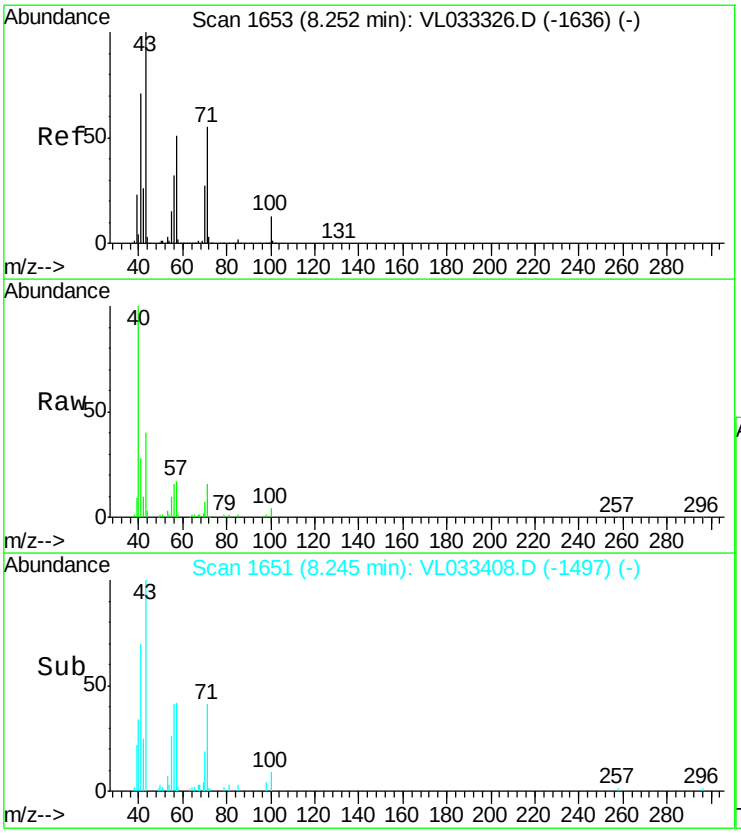


#9
Propene
Concen: 1.221 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 41 Resp: 49235

Ion	Ratio	Lower	Upper
41	100		
42	59.8	55.2	82.8

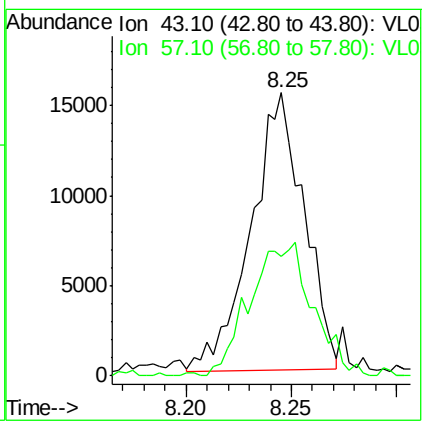


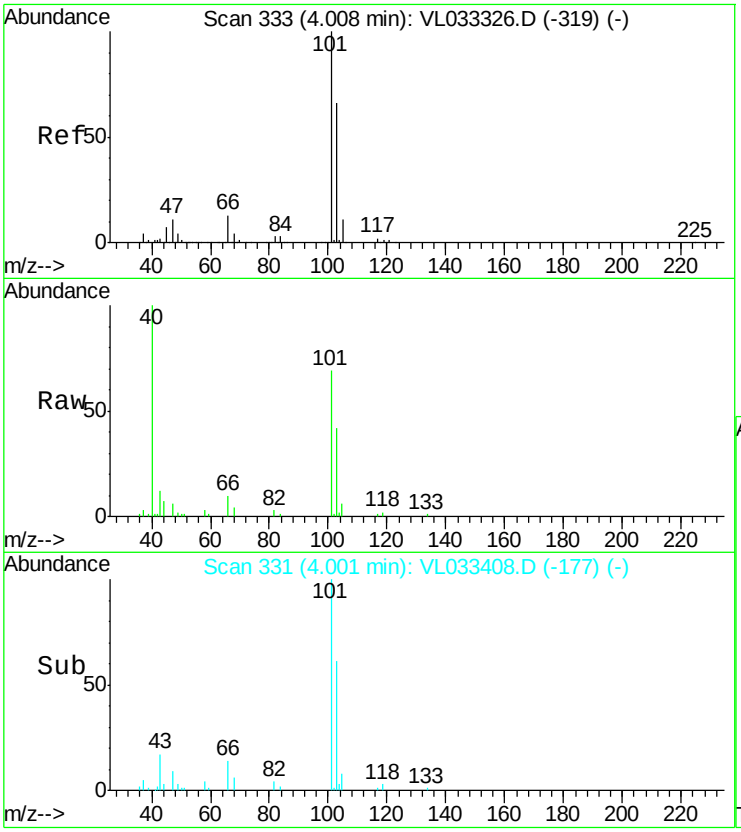


#10
Heptane
Concen: 0.270 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 43 Resp: 26979

Ion	Ratio	Lower	Upper
43	100		
57	57.3	40.4	60.6



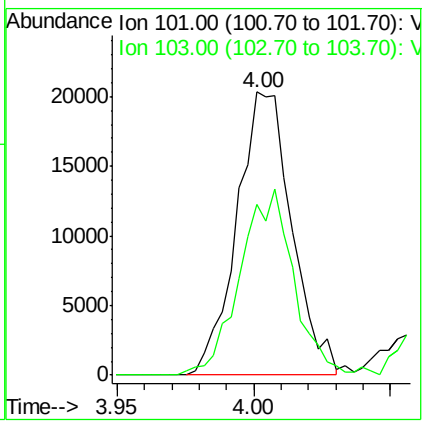


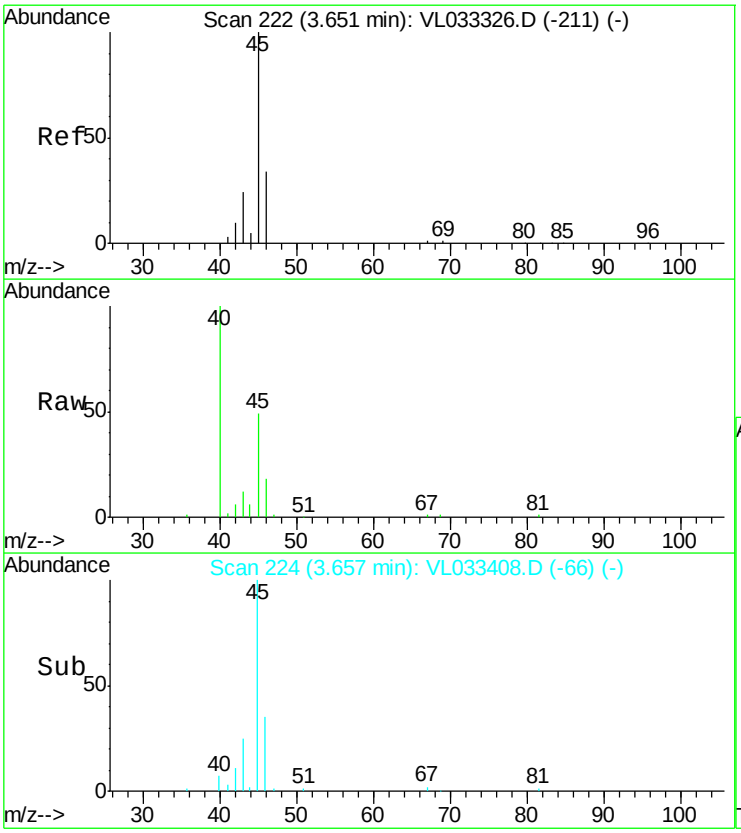
#11
Trichlorofluoromethane
Concen: 0.206 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:101 Resp: 28406

Ion	Ratio	Lower	Upper
101	100		
103	59.0	52.9	79.3

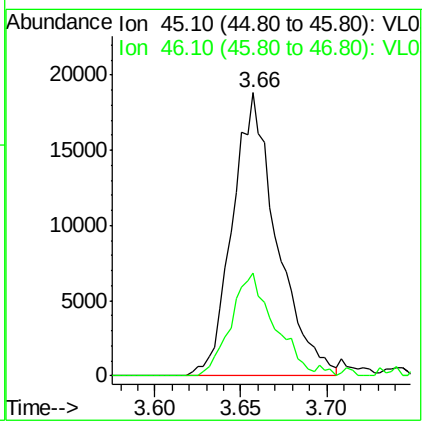


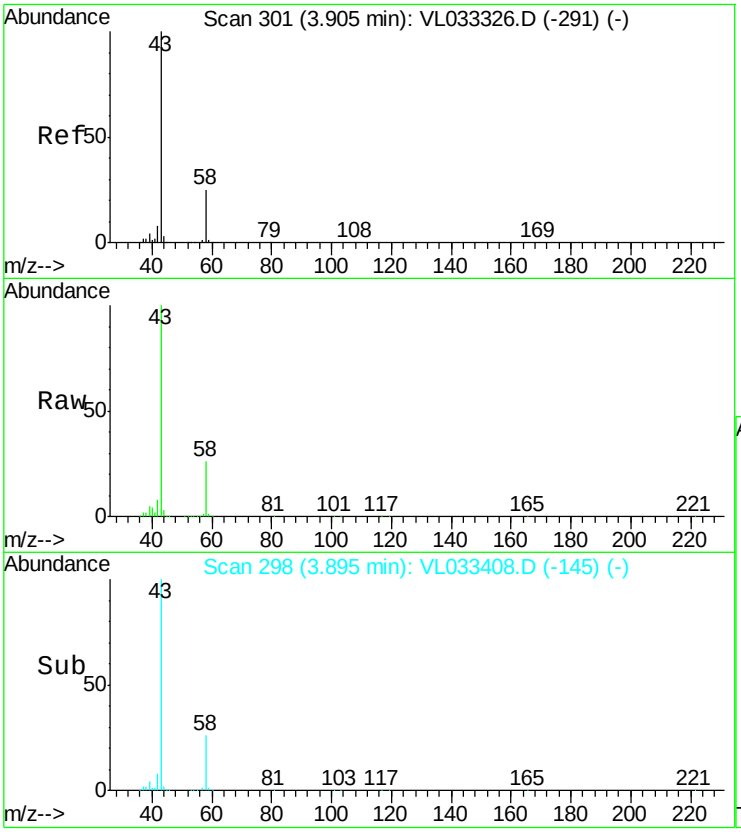


#13
Ethanol
Concen: 1.761 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 45 Resp: 33866

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.9	59.7



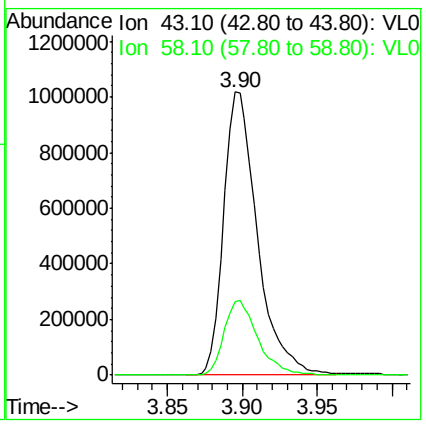


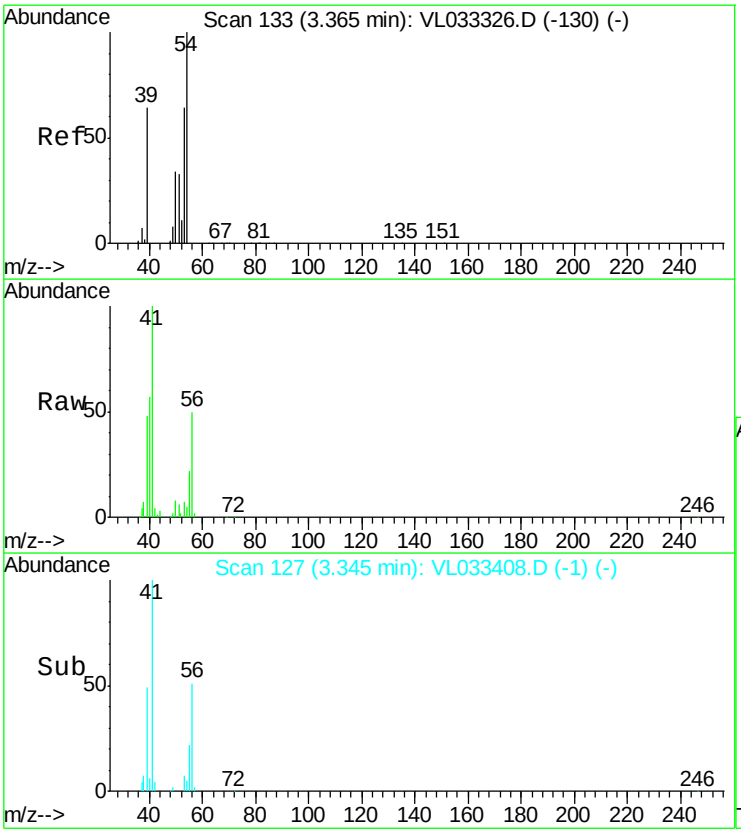
#15
Acetone
Concen: 13.067 ppbv
RT: 3.90 min Scan# 298
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 1599053

Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.4	30.6

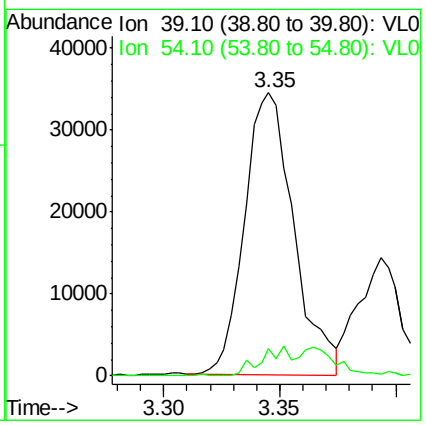


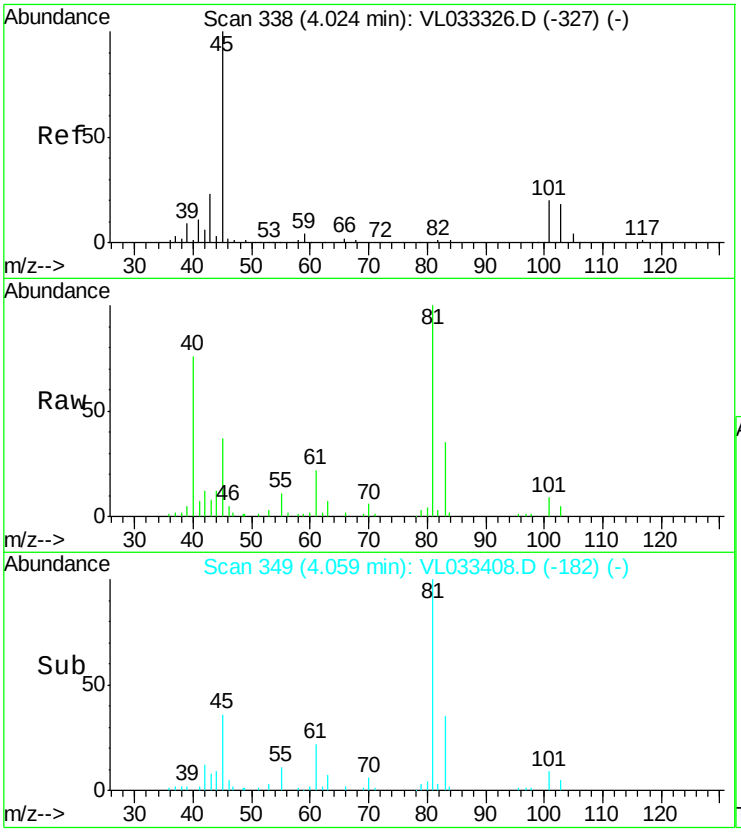


#16
1,3-Butadiene
Concen: 1.279 ppbv
RT: 3.35 min Scan# 127
Delta R.T. -0.02 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 39 Resp: 50833

Ion	Ratio	Lower	Upper
39	100		
54	14.0	76.8	115.2#



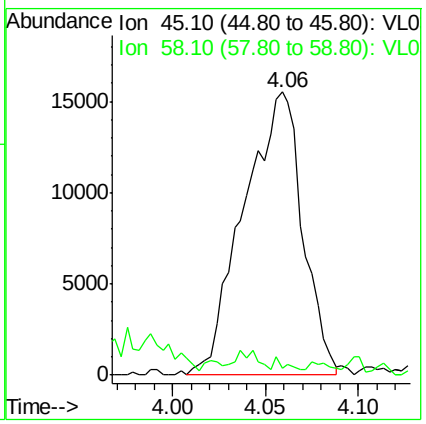


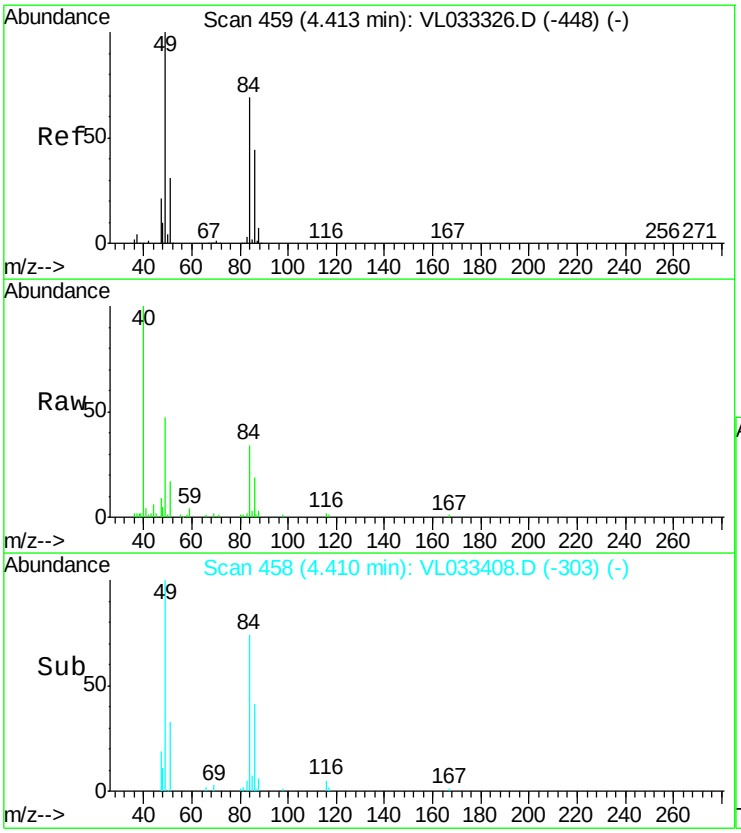
#19
Isopropyl Alcohol
Concen: 0.589 ppbv
RT: 4.06 min Scan# 349
Delta R.T. 0.04 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument : MSVOA_L
ClientSampleId : SV2

Tgt Ion: 45 Resp: 34313

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.5	2.3#

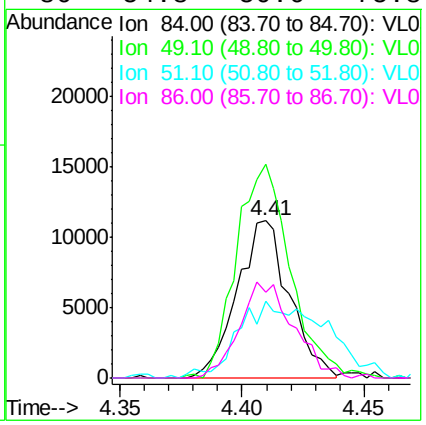


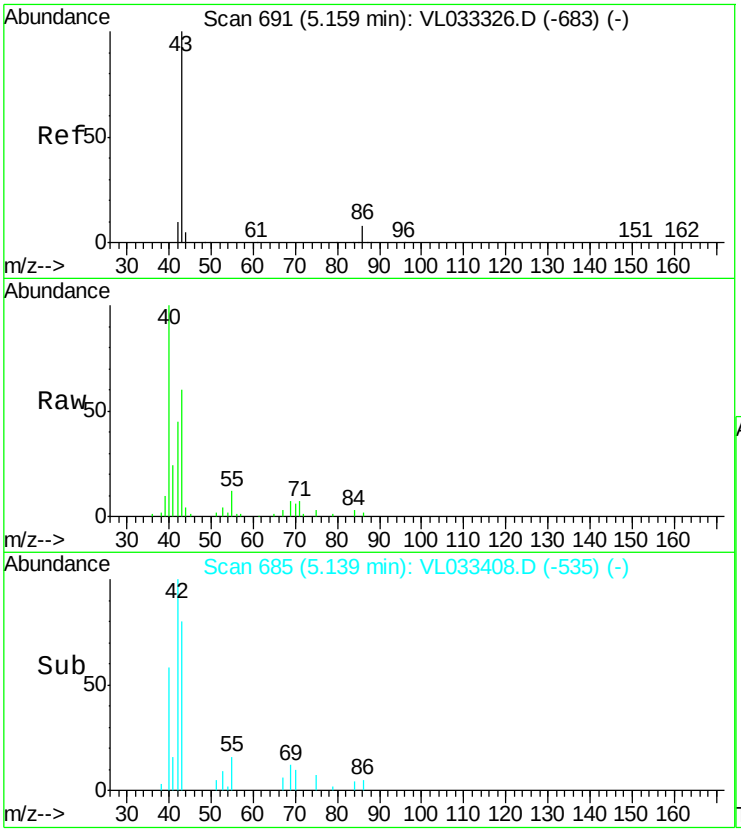


#20
Methylene Chloride
Concen: 0.415 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 84 Resp: 16562

Ion	Ratio	Lower	Upper
84	100		
49	134.4	115.4	173.0
51	46.7	35.8	53.6
86	54.8	50.6	75.8



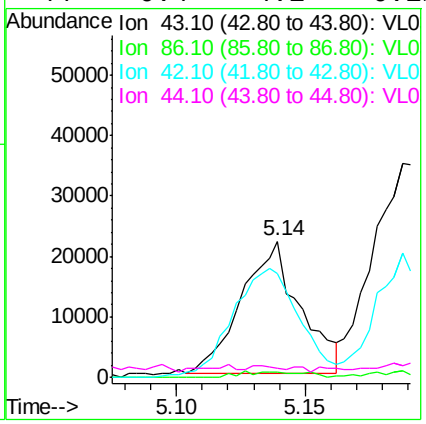


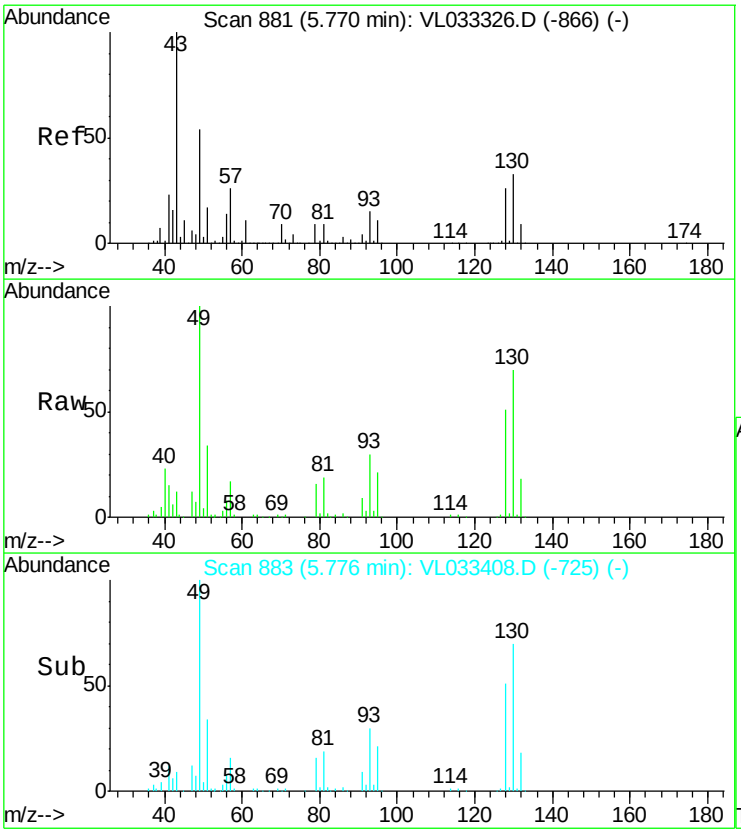
#23
Vinyl Acetate
Concen: 0.242 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.02 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument : MSVOA_L
ClientSampleId : SV2

Tgt Ion: 43 Resp: 34332

Ion	Ratio	Lower	Upper
43	100		
86	3.6	6.2	9.2#
42	74.4	8.1	12.1#
44	0.4	4.1	6.1#

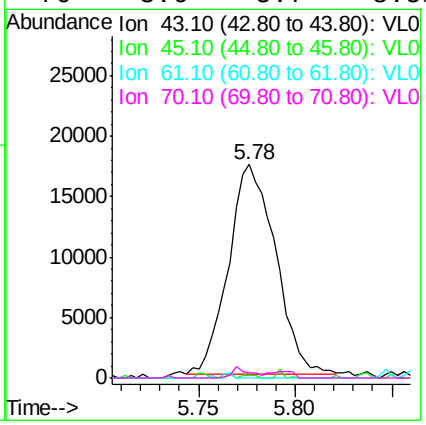


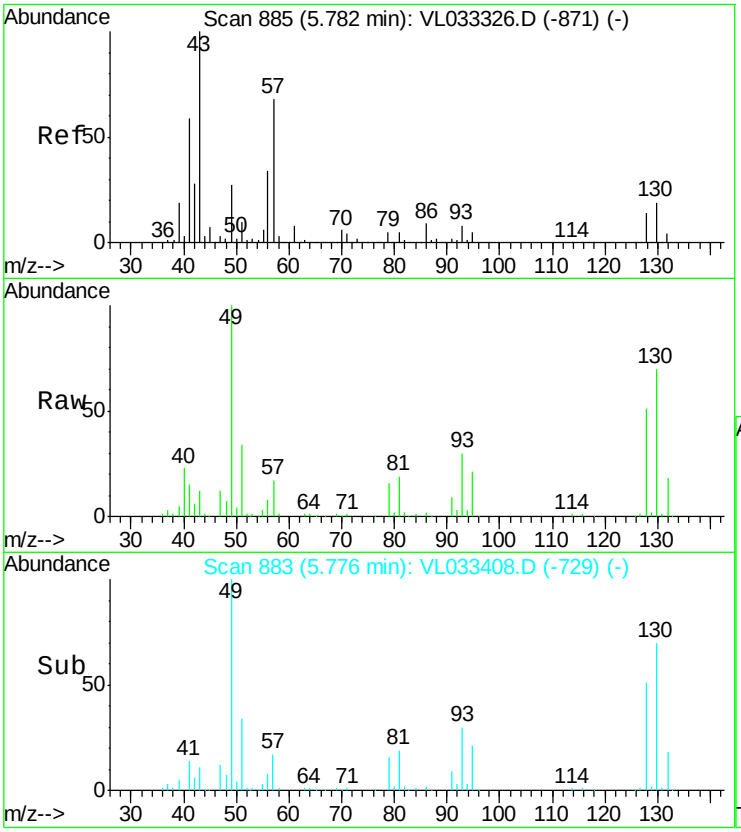


#25
Ethyl Acetate
Concen: 0.163 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 43 Resp: 28964

Ion	Ratio	Lower	Upper
43	100		
45	1.5	7.9	11.9#
61	0.7	7.4	11.2#
70	3.6	5.7	8.5#



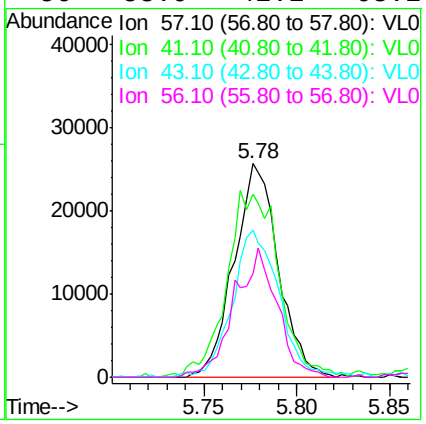


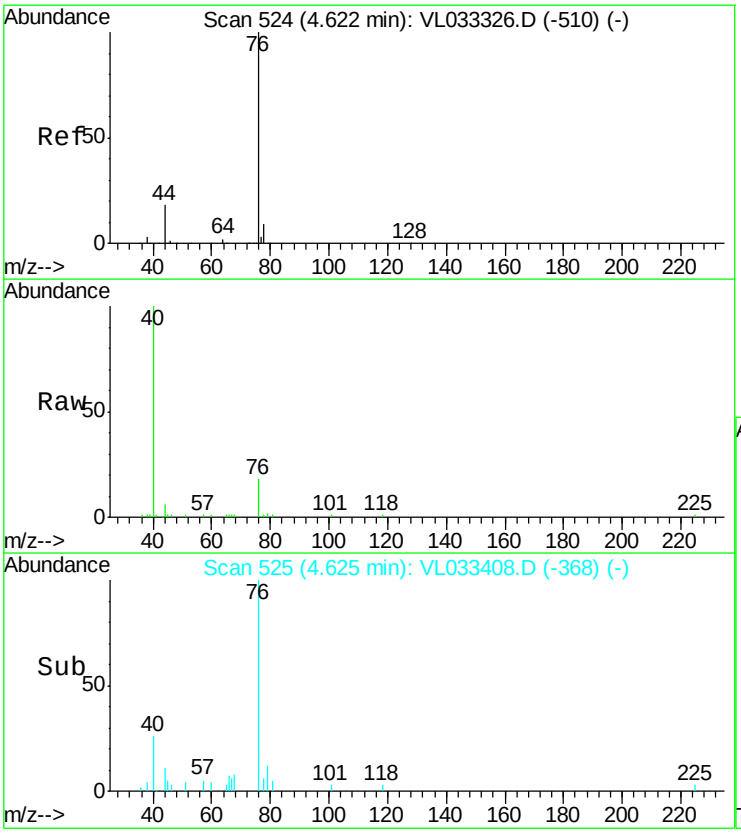
#26
Hexane
Concen: 0.536 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument : MSVOA_L
ClientSampleId : SV2

Tgt Ion: 57 Resp: 42618

Ion	Ratio	Lower	Upper
57	100		
41	103.0	70.5	105.7
43	74.1	181.8	272.8#
56	58.9	42.2	63.2

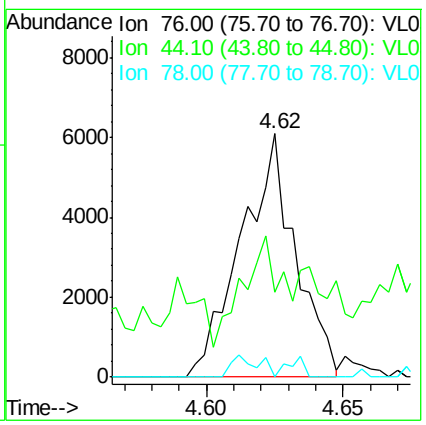


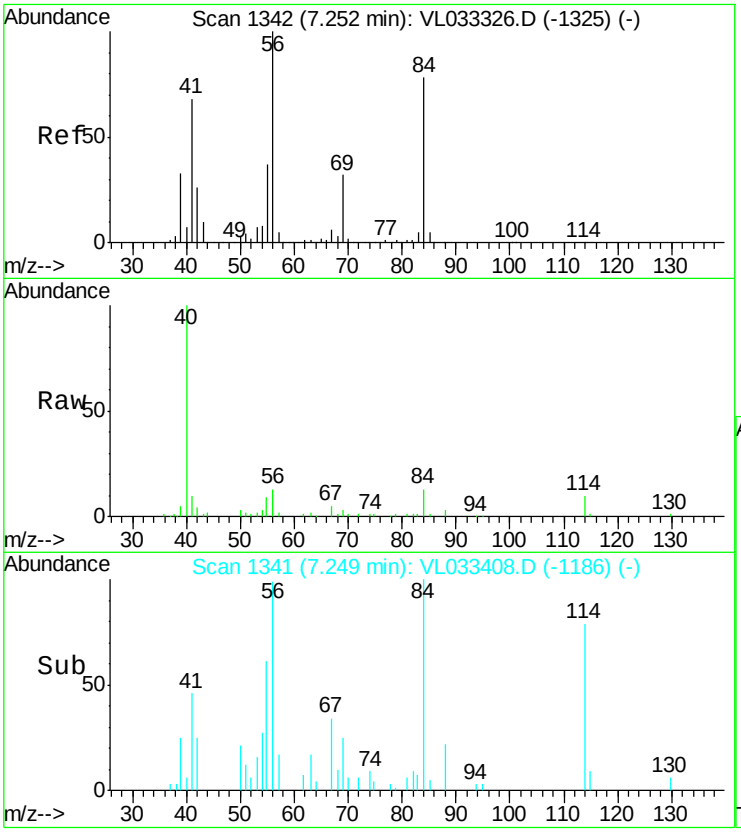


#27
Carbon Disulfide
Concen: 0.092 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 76 Resp: 8423

Ion	Ratio	Lower	Upper
76	100		
44	47.7	15.2	22.8#
78	7.1	7.2	10.8#



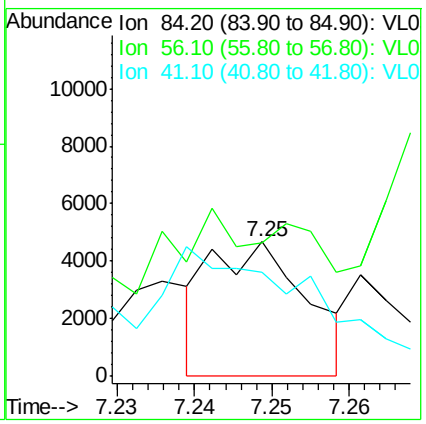


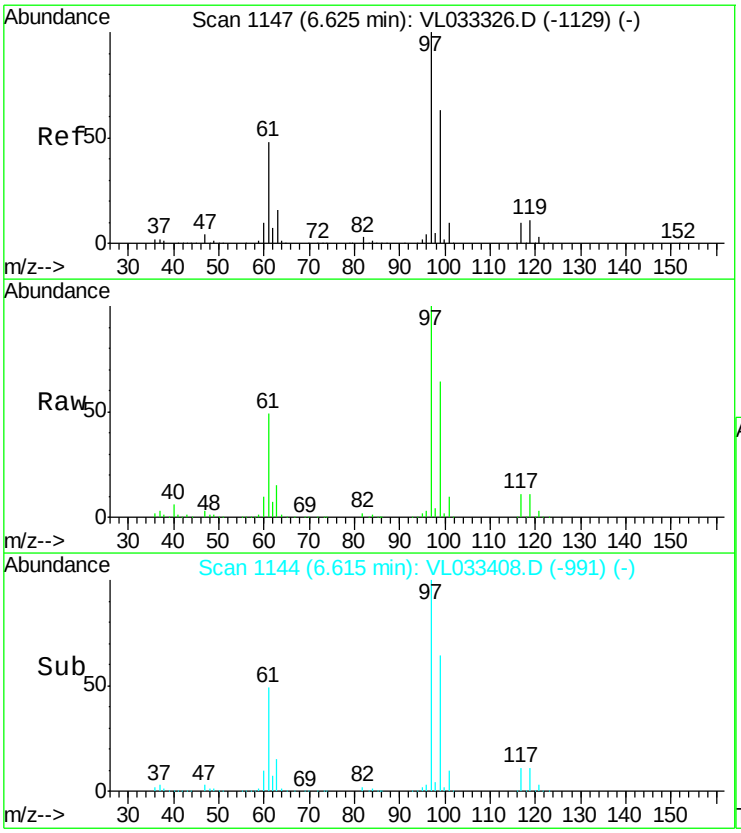
#30
Cyclohexane
Concen: 0.063 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 84 Resp: 4010

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.3	166.9#
41	0.0	69.6	104.4#

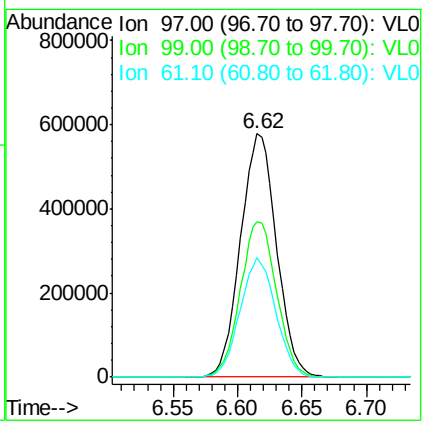


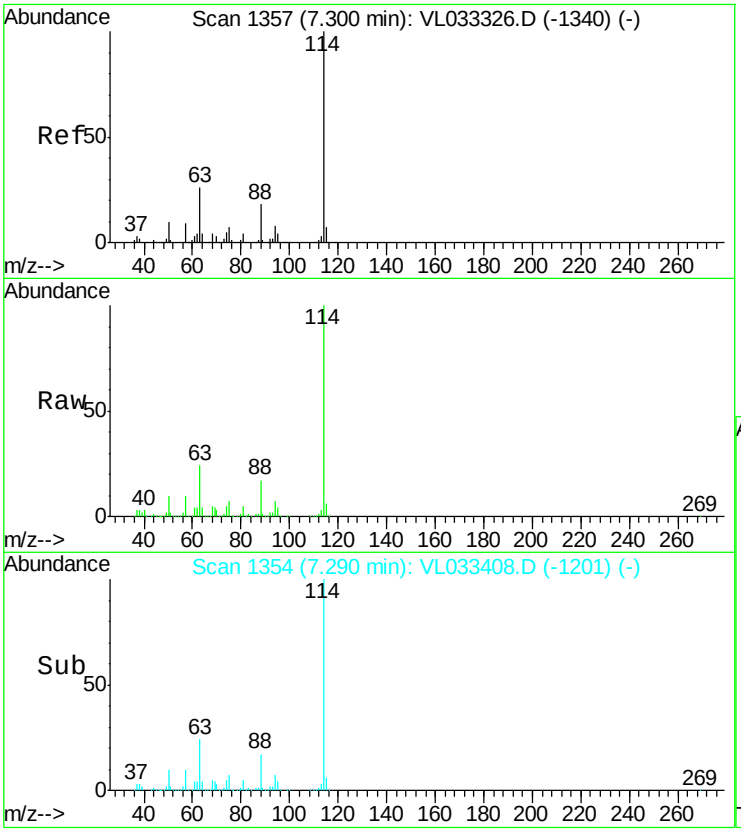


#32
1,1,1-Trichloroethane
Concen: 8.788 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 97 Resp: 1123614

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	48.8	39.3	58.9



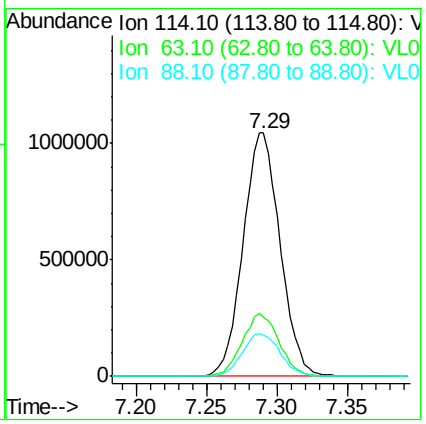


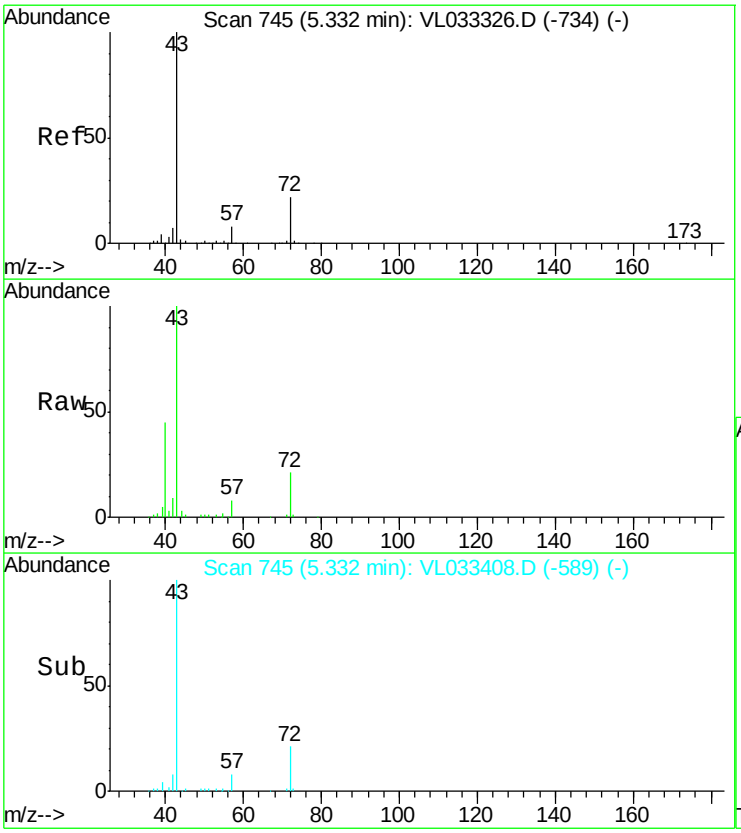
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:114 Resp: 1918755

Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.4	32.2
88	18.0	14.5	21.7

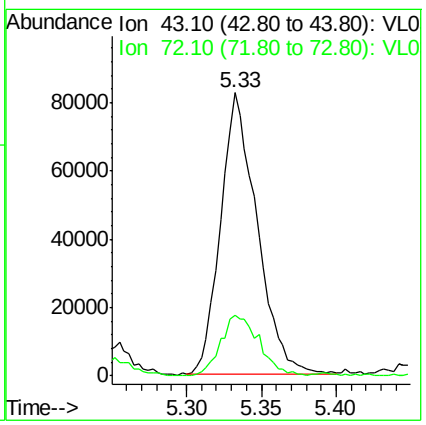


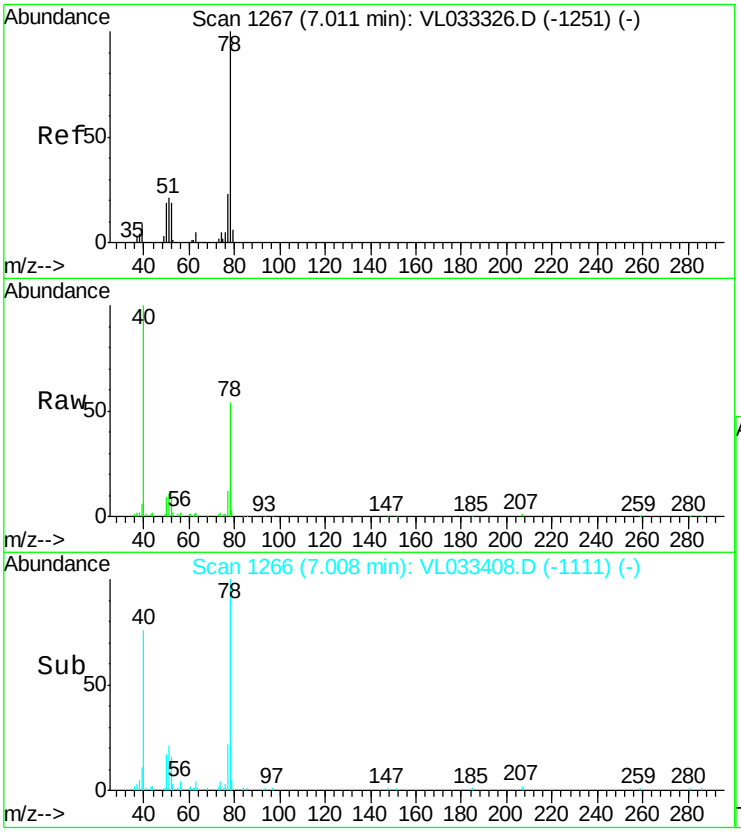


#34
2-Butanone
Concen: 1.107 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 43 Resp: 139468

Ion	Ratio	Lower	Upper
43	100		
72	23.9	17.7	26.5



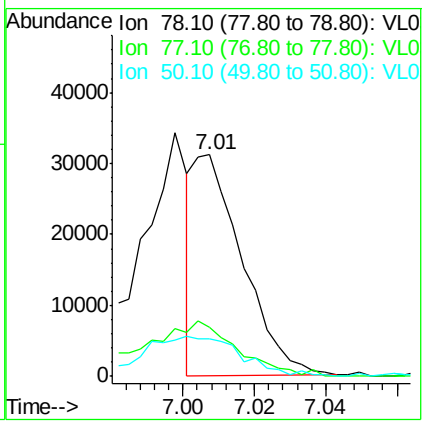


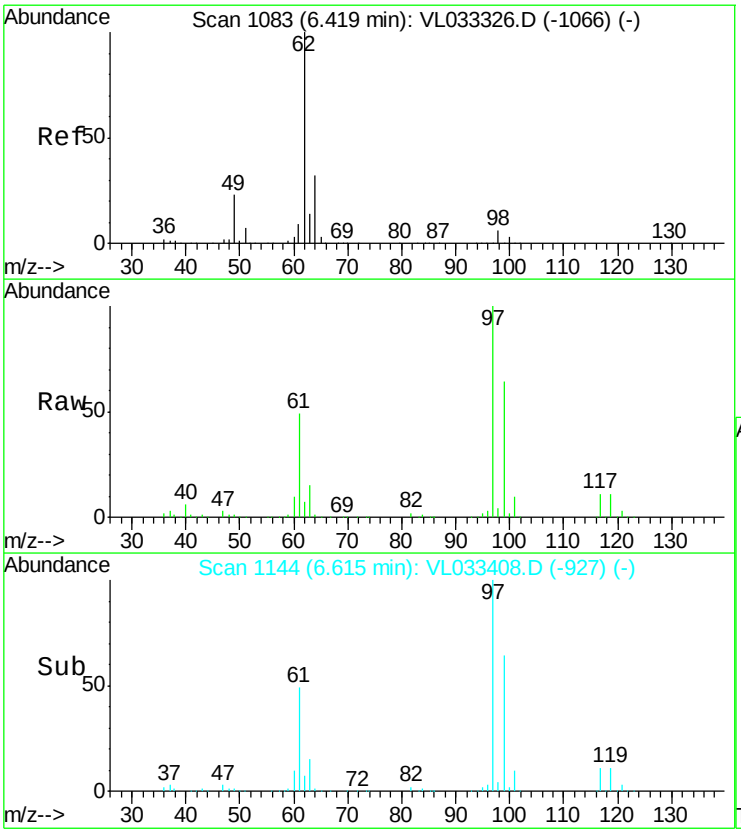
#36
Benzene
Concen: 0.170 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument : MSVOA_L
ClientSampleId : SV2

Tgt Ion: 78 Resp: 29147

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.1	27.1
50	17.2	15.2	22.8

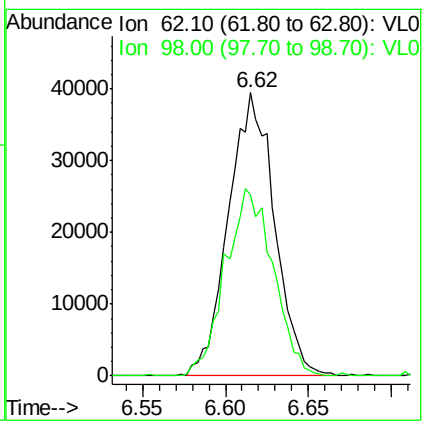


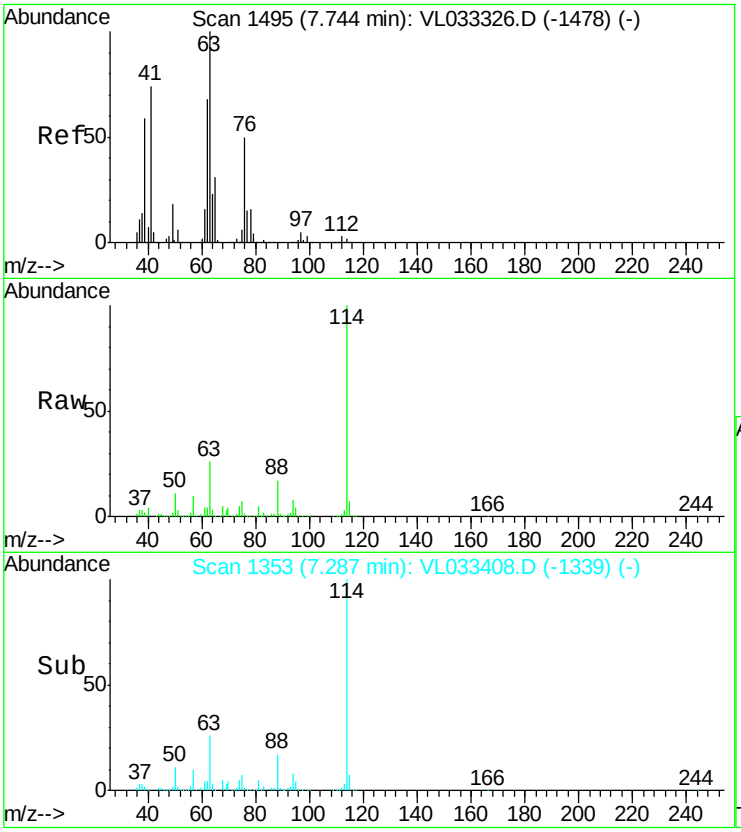


#37
1,2-Dichloroethane
Concen: 0.701 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.20 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 62 Resp: 76098

Ion	Ratio	Lower	Upper
62	100		
98	68.7	4.5	6.7#



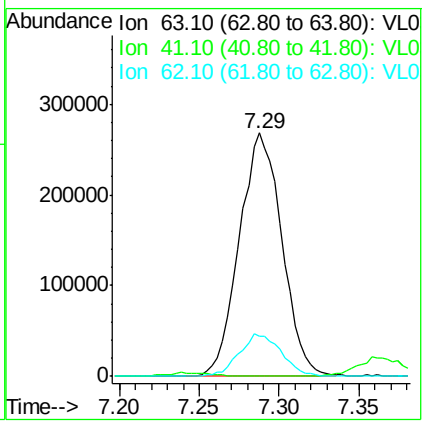


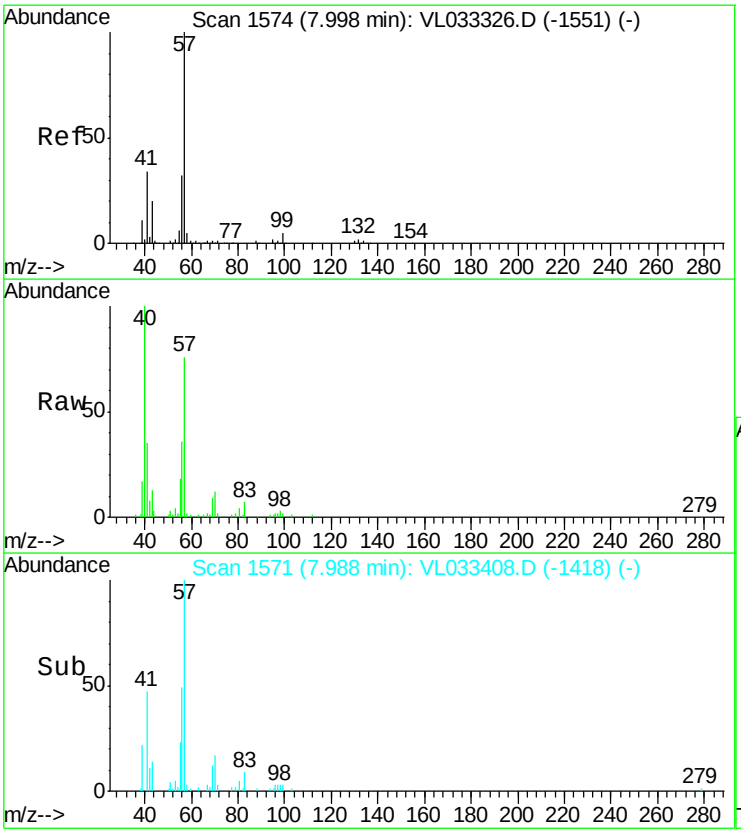
#39
1,2-Dichloropropane
Concen: 7.602 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument : MSVOA_L
ClientSampleId : SV2

Tgt Ion: 63 Resp: 488862

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	16.4	54.7	82.1#

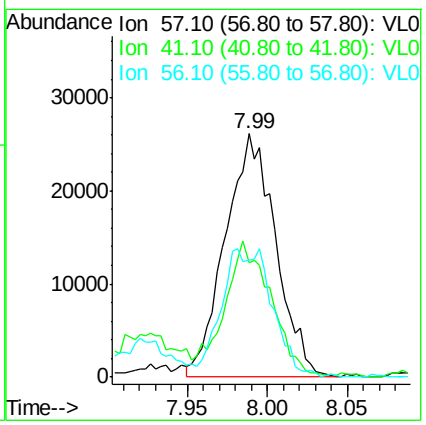


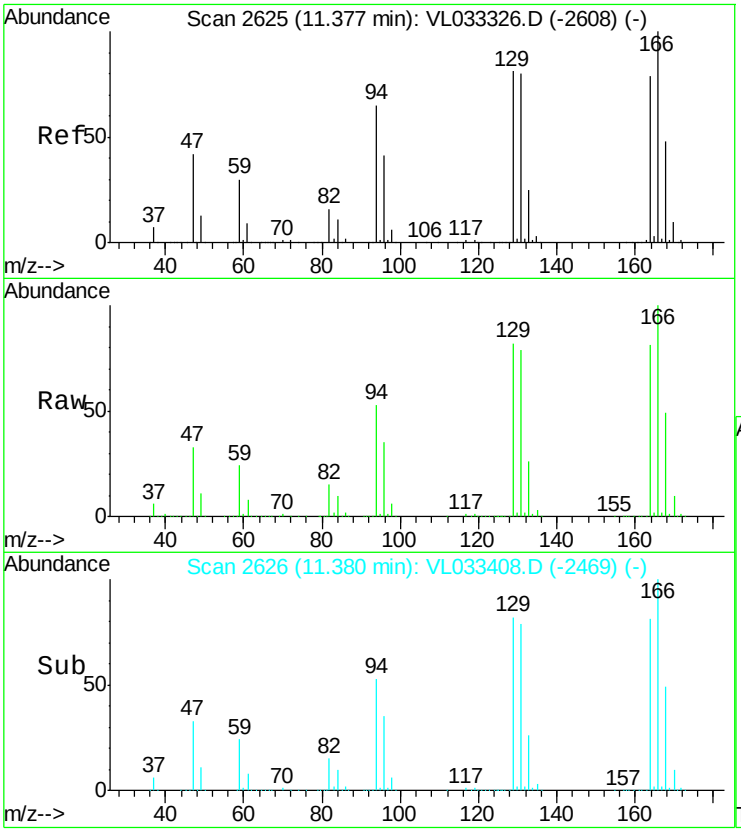


#44
2,2,4-Trimethylpentane
Concen: 0.198 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 57 Resp: 56393

Ion	Ratio	Lower	Upper
57	100		
41	53.4	26.0	39.0#
56	54.1	24.6	36.8#



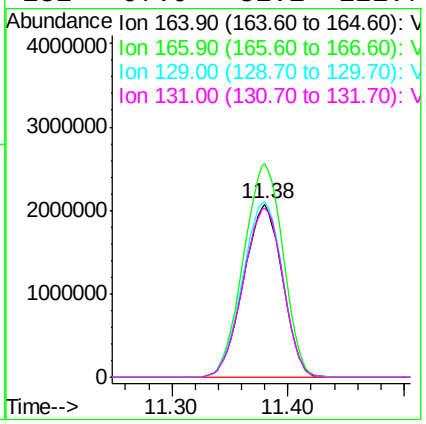


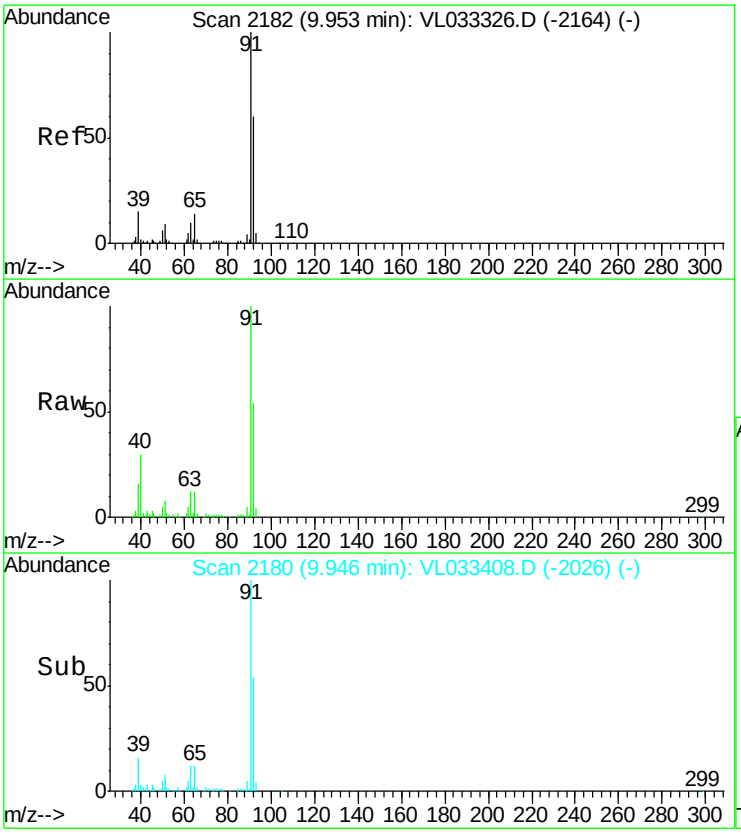
#52
Tetrachloroethene
Concen: 67.680 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument : MSVOA_L
ClientSampleId : SV2

Tgt Ion:164 Resp: 4841761

Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.5	152.3
129	101.2	82.2	123.2
131	97.9	81.1	121.7

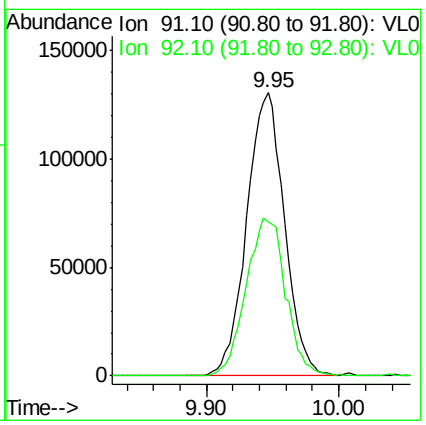


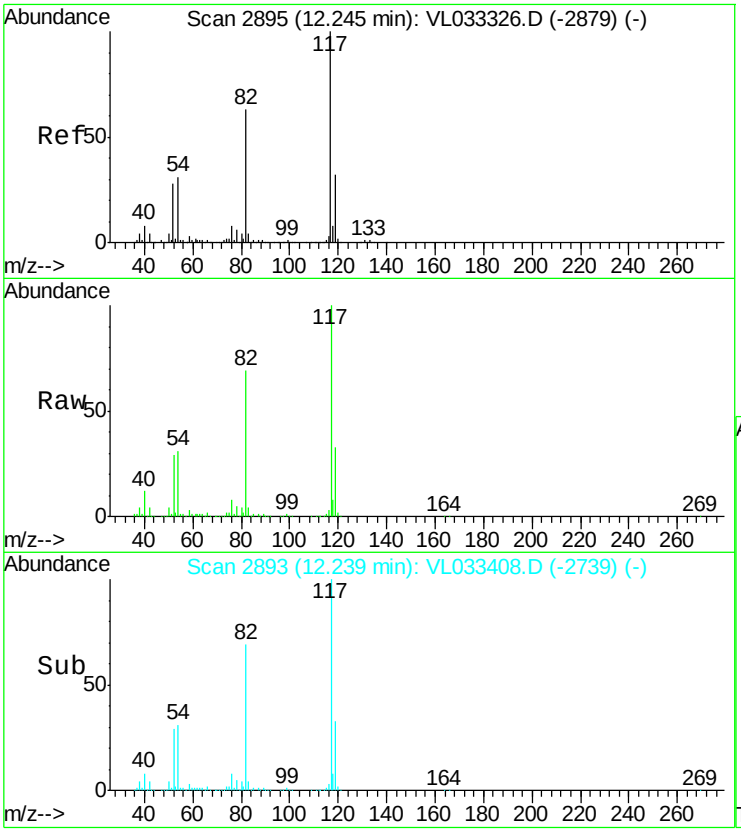


#53
Toluene
Concen: 1.330 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 91 Resp: 259453

Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.4	71.0



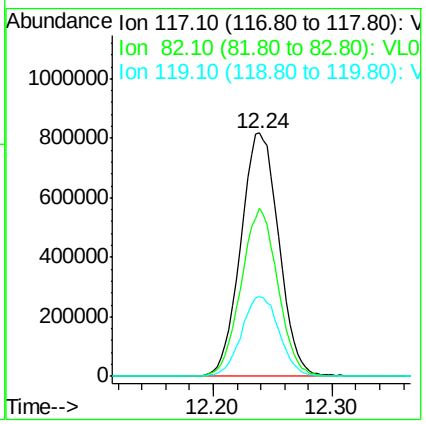


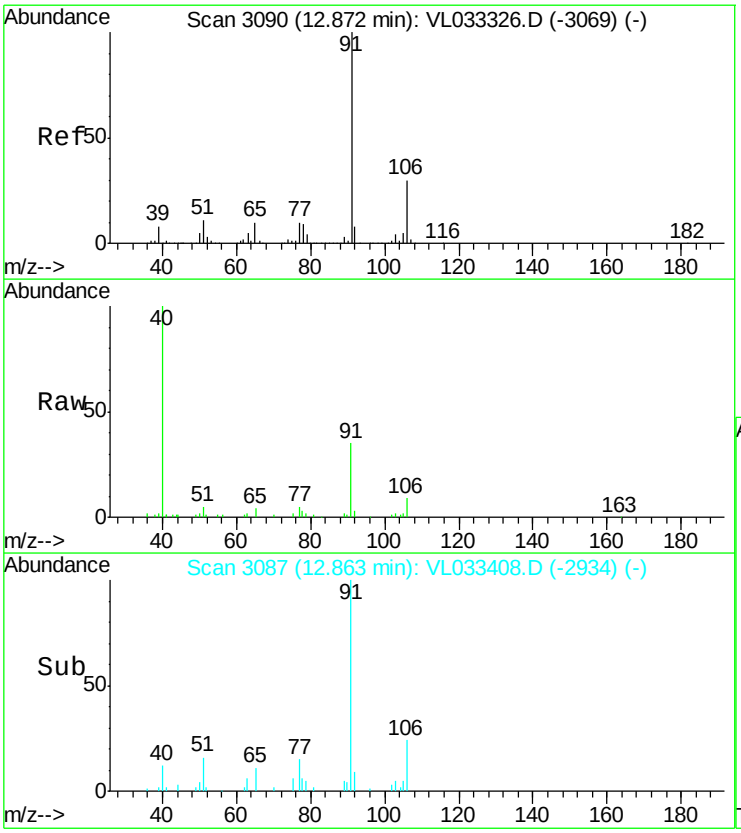
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:117 Resp: 1812560

Ion	Ratio	Lower	Upper
117	100		
82	66.6	53.4	80.2
119	32.5	27.3	40.9

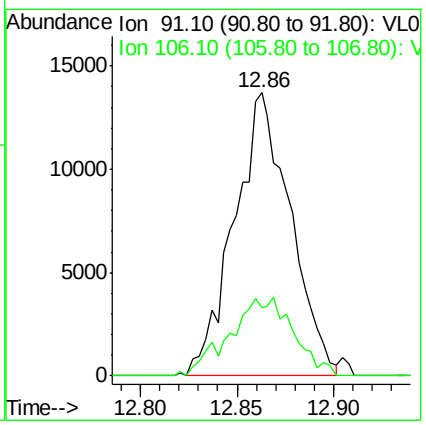


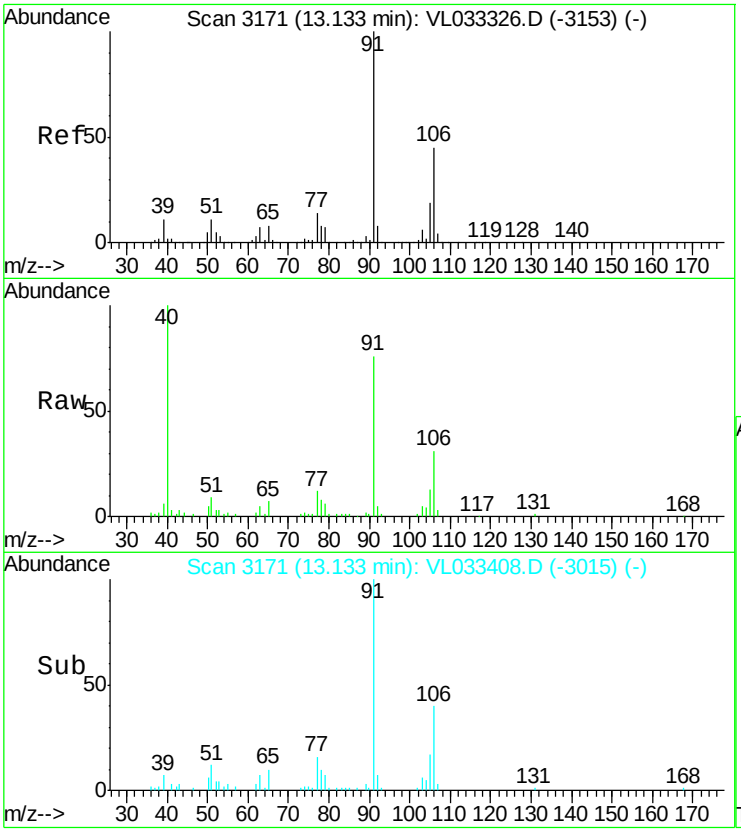


#58
Ethyl Benzene
Concen: 0.108 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 91 Resp: 27755

Ion	Ratio	Lower	Upper
91	100		
106	24.3	24.2	36.2



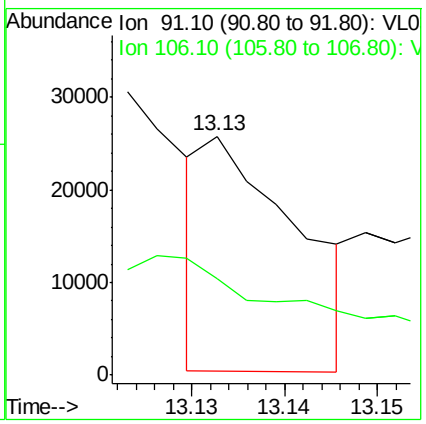


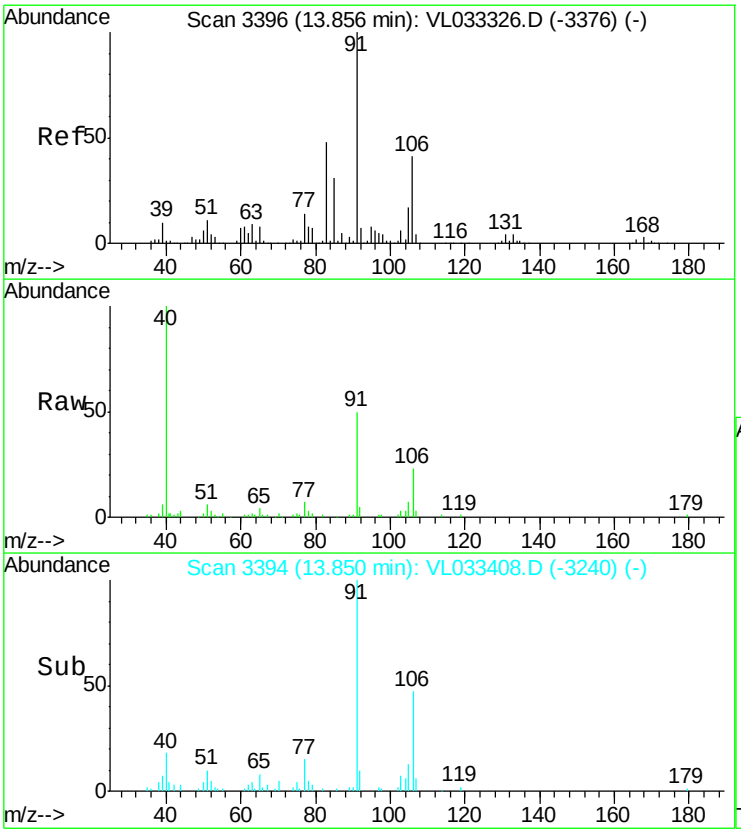
#59
m/p-Xylene
Concen: 0.081 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 17817

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

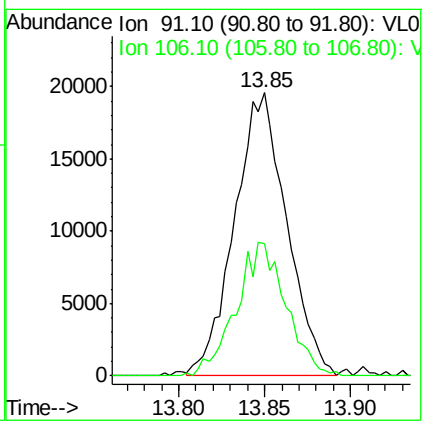


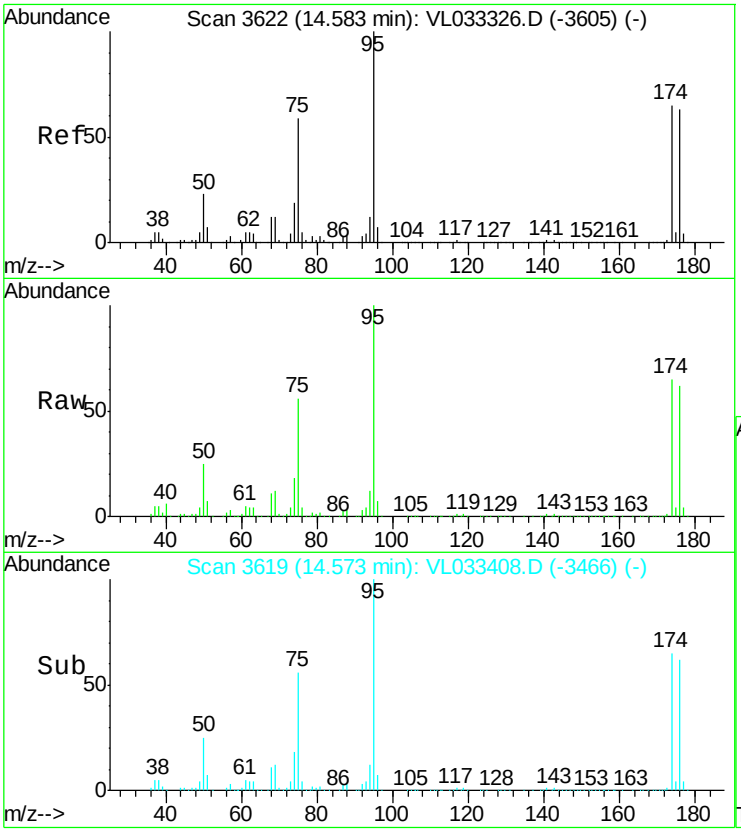


#60
o-Xylene
Concen: 0.192 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion: 91 Resp: 41336

Ion	Ratio	Lower	Upper
91	100		
106	44.7	21.3	63.9



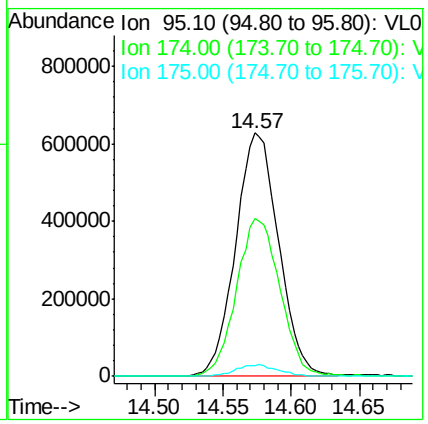


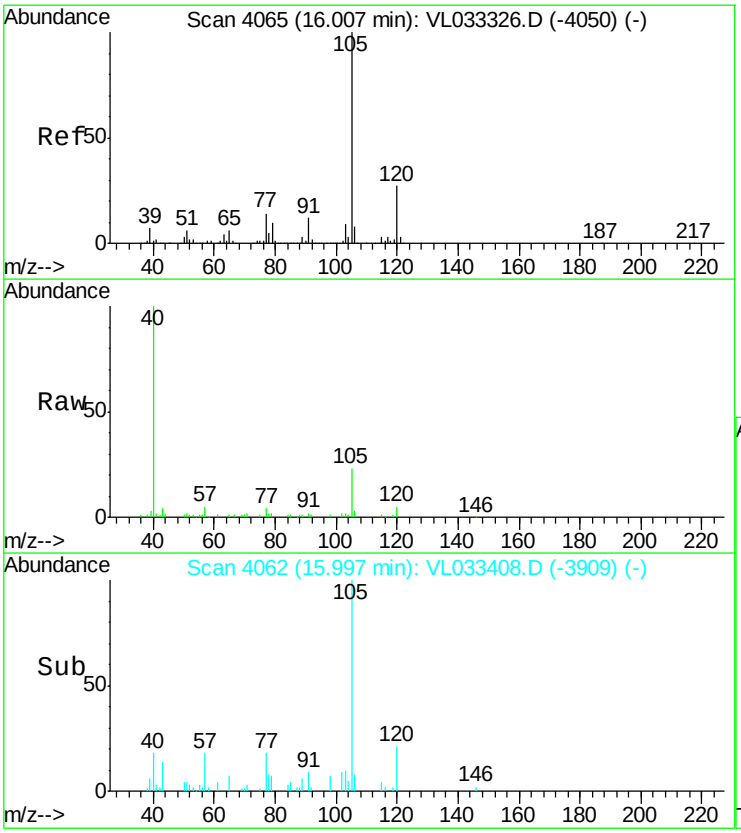
#68
1-Bromo-4-Fluorobenzene
Concen: 10.257 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 95 Resp: 1377558

Ion	Ratio	Lower	Upper
95	100		
174	66.1	51.5	77.3
175	4.6	3.8	5.6

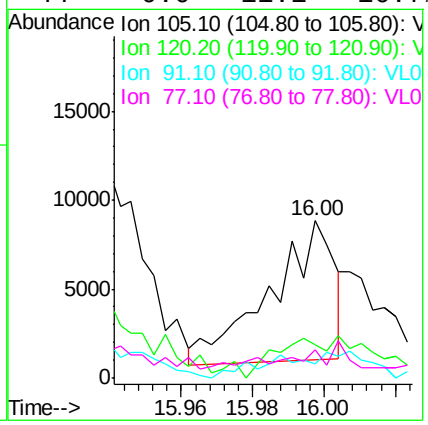


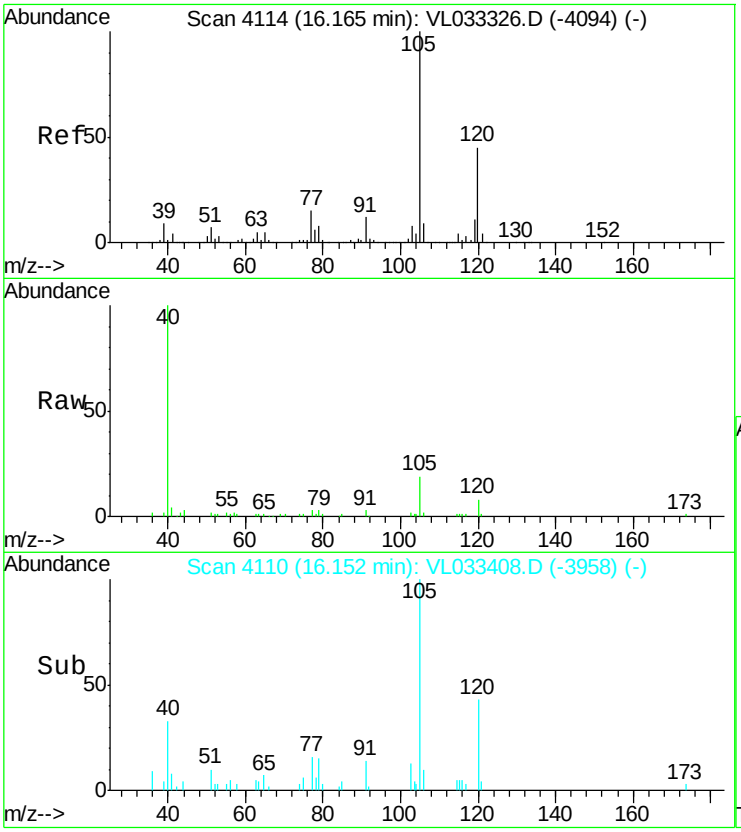


#72
4-Ethyltoluene
Concen: 0.040 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion:105 Resp: 9796

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.9	34.3#
91	0.0	10.2	15.2#
77	0.0	11.1	16.7#



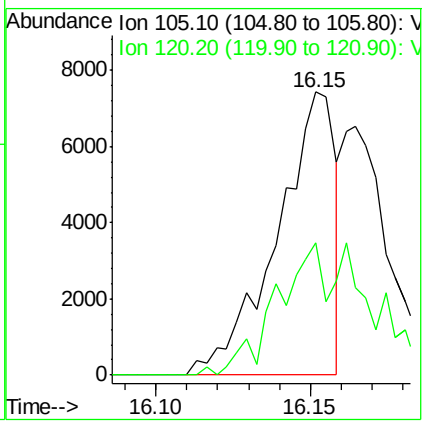


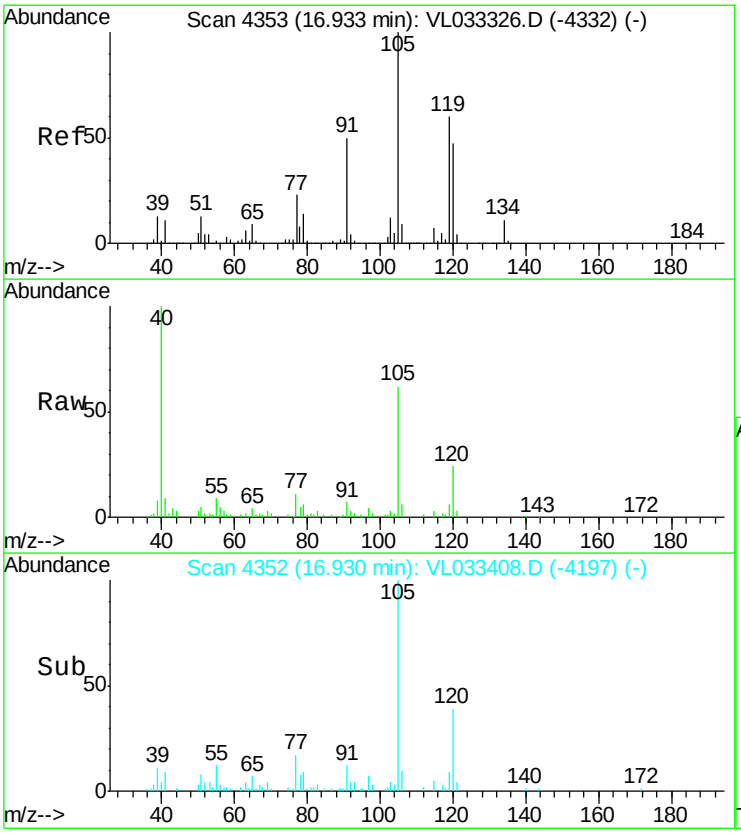
#73
1,3,5-Trimethylbenzene
Concen: 0.041 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:105 Resp: 9671

Ion	Ratio	Lower	Upper
105	100		
120	46.9	36.2	54.4





#74
1,2,4-Trimethylbenzene
Concen: 0.123 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033408.D
Acq: 21 Mar 2019 2:56

Tgt Ion:105 Resp: 30933

Ion	Ratio	Lower	Upper
105	100		
120	38.8	37.4	56.2
91	12.2	41.0	61.4#
77	17.5	18.5	27.7#