Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

Quantitation Report (Not Reviewed)

Data File : VL033710.D
Acq On : 17 May 2019 10:43
Operator : SY/AP
Sample : K2893-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Quant Time: May 17 23:19:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1137973	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2669123	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2750755	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2269106	10.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	11945	0.050	ppbv		97
4) Chloromethane	3.24	50	5900	0.079	ppbv	#	74
9) Propene	3.24	41	215826	3.893	ppbv		95
10) Heptane	8.25	43	48586	0.309	ppbv		98
11) Trichlorofluoromethane	4.00	101	8106	0.035	ppbv		95
13) Ethanol	3.65	45	39652	2.213	ppbv	#	21
15) Acetone	3.90	43	611395	3.872	ppbv		90
16) 1,3-Butadiene	3.34	39	22597	0.359	ppbv	#	19
17) tert-Butyl alcohol	4.37	59	10320	0.081	ppbv	#	72
18) 1,1-Dichloroethene	4.06	96	2022	0.030	ppbv	#	1
19) Isopropyl Alcohol	4.06	45	216107	2.123	ppbv	#	1
20) Methylene Chloride	4.41	84	21939	0.361	ppbv	#	93
21) Allyl Chloride	4.43	41	1210	0.012	ppbv	#	1
23) Vinyl Acetate	5.15	43	3241	0.016	ppbv	#	1
25) Ethyl Acetate	5.78	43	91344	0.329	ppbv	#	91
26) Hexane	5.78	57	96480	0.809	ppbv	#	48
27) Carbon Disulfide	4.62	76	57891	0.354	ppbv	#	79
30) Cyclohexane	7.25	84	5457	0.054	ppbv	#	1
34) 2-Butanone	5.34	43	37350	0.226	ppbv		100
36) Benzene	7.00	78	36175	0.149	ppbv	#	91
39) 1,2-Dichloropropane	7.29	63	690480	7.628	ppbv	#	24
41) Tetrahydrofuran	6.16	42	15141	0.163	ppbv		96
53) Toluene	9.94	91	290261	1.108	ppbv		98
58) Ethyl Benzene	12.86	91	321849	0.884	ppbv		92
59) m/p-Xylene	13.15	91	180288	0.566	ppbv	#	31
60) o-Xylene	13.84	91	185812	0.579	ppbv		98
76) 1,4-Dichlorobenzene	17.30	146	4704	0.021	ppbv	#	9
78) Hexachloro-1,3-Butadiene	23.53	225	2066	0.012	ppbv	#	19

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

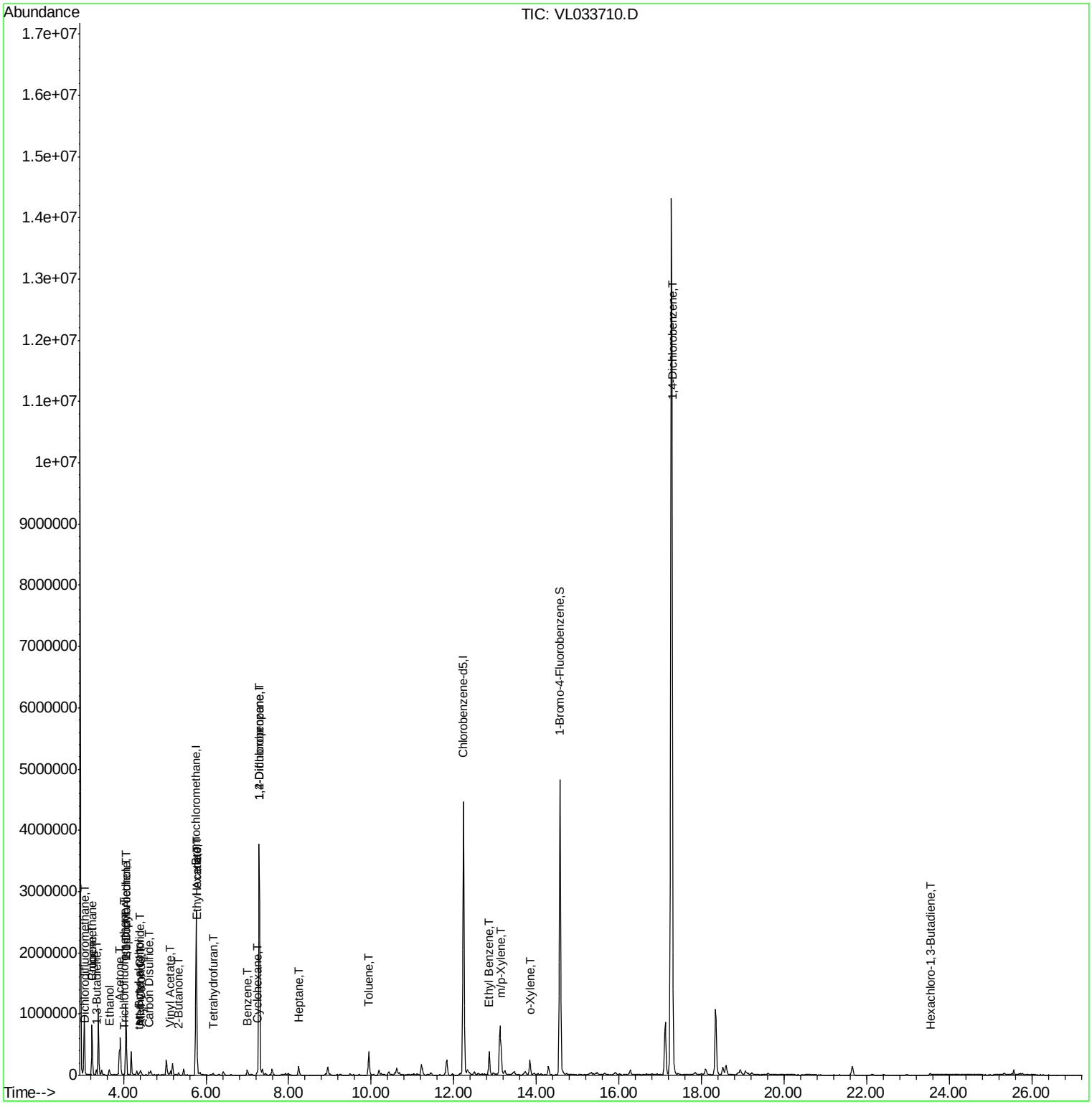
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

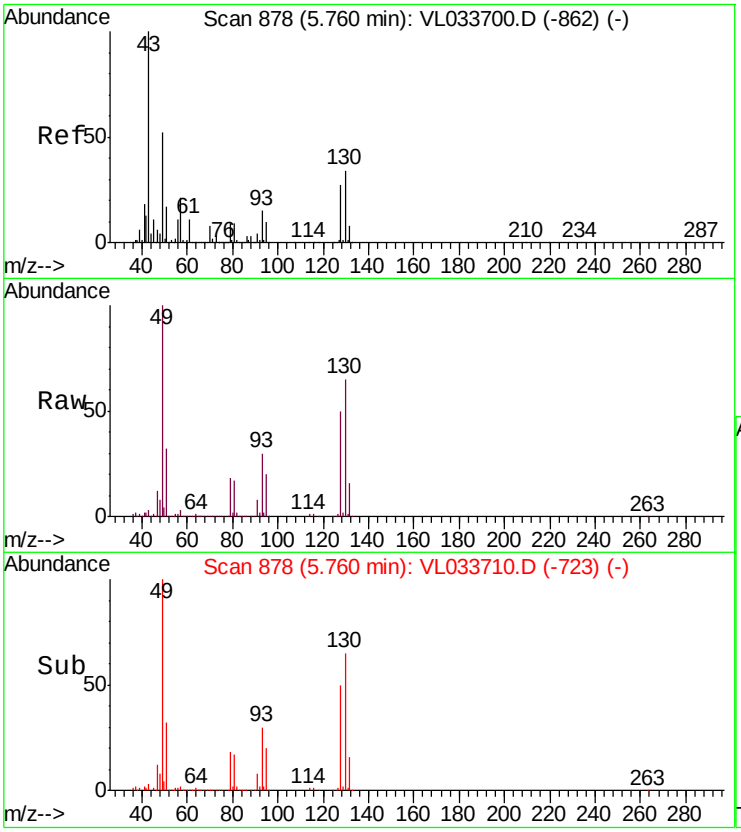
Quantitation Report (Not Reviewed)

Data File : VL033710.D
Acq On : 17 May 2019 10:43
Operator : SY/AP
Sample : K2893-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Quant Time: May 17 23:19:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



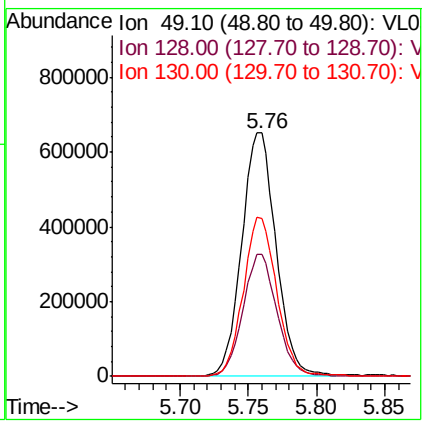


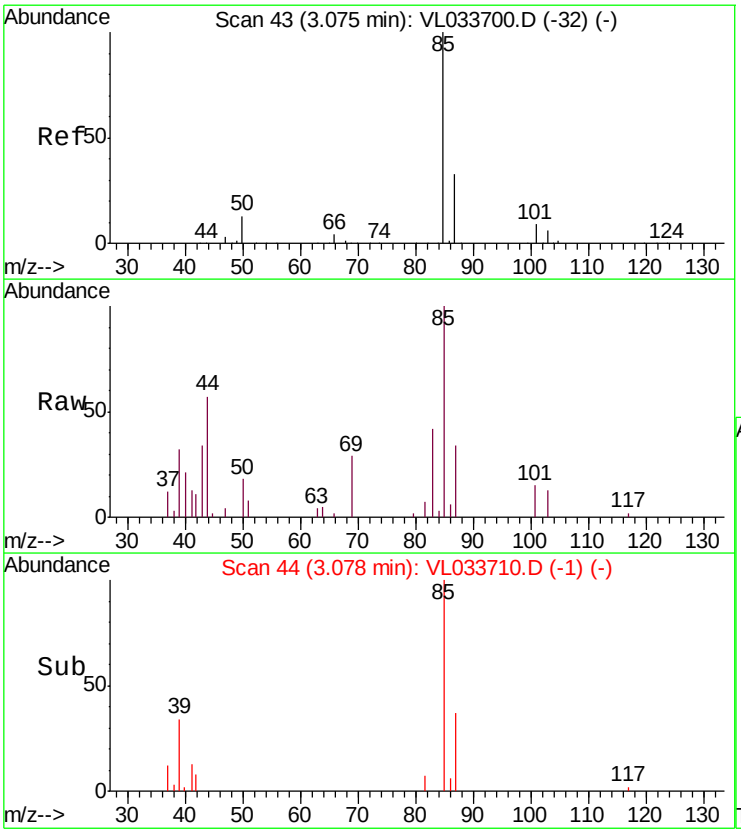
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 49 Resp: 1137973

Ion	Ratio	Lower	Upper
49	100		
128	50.0	25.2	75.6
130	64.2	32.5	97.5

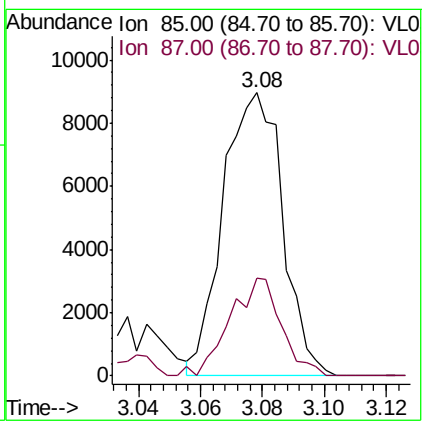


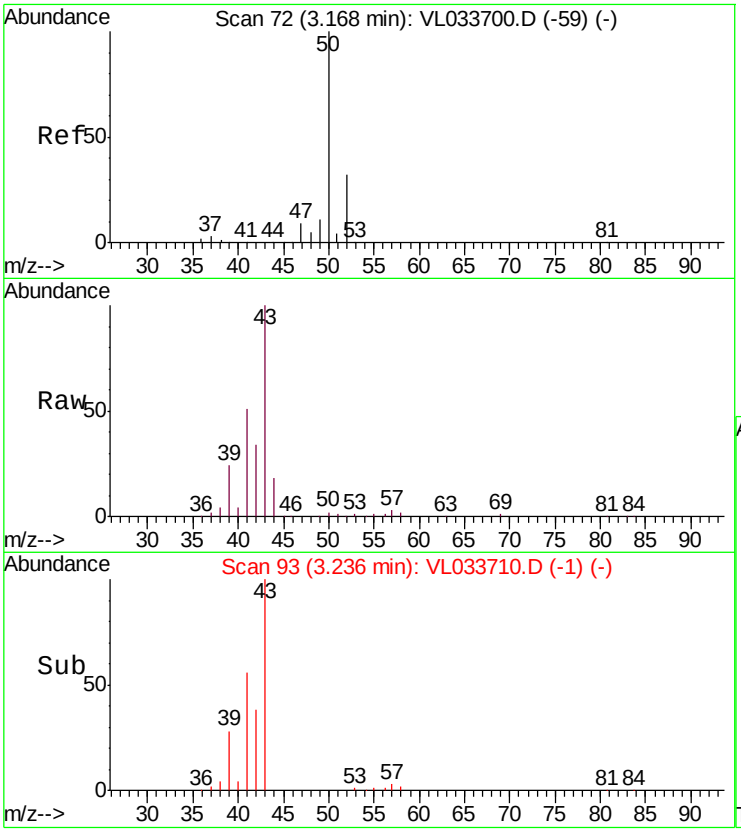


#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 85 Resp: 11945

Ion	Ratio	Lower	Upper
85	100		
87	34.3	26.3	39.5



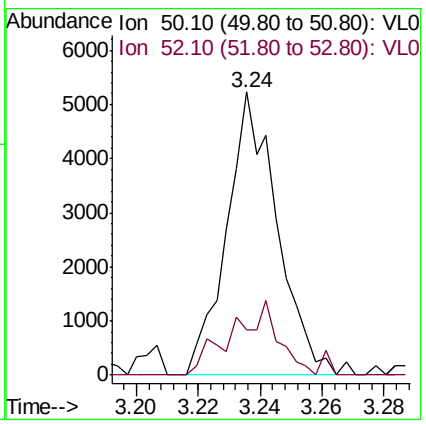


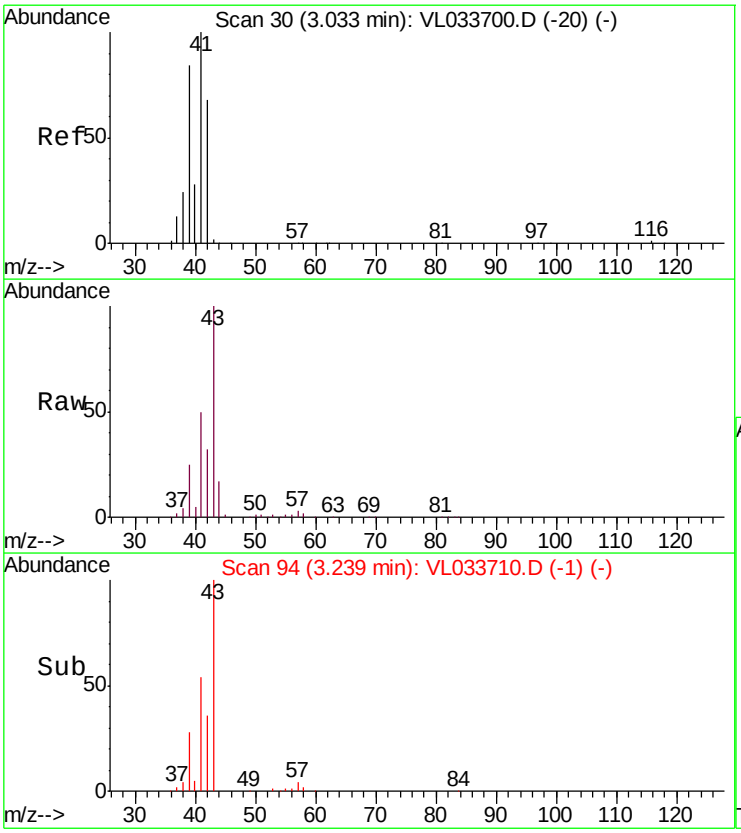
#4
Chloromethane
Concen: 0.079 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.07 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 50 Resp: 5900

Ion	Ratio	Lower	Upper
50	100		
52	17.6	25.7	38.5#

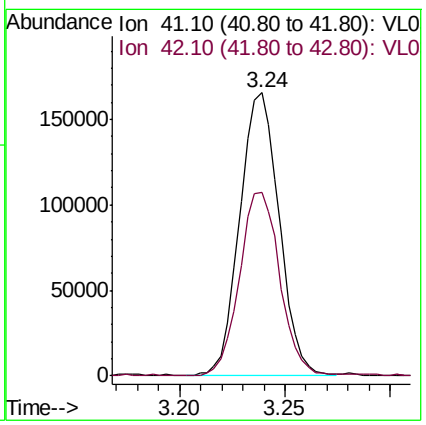


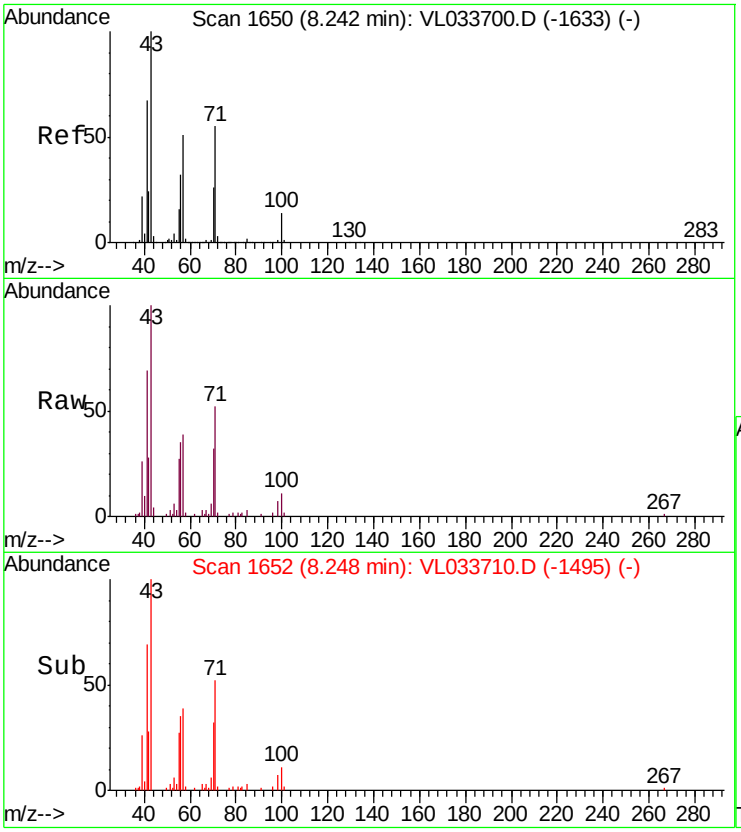


#9
Propene
Concen: 3.893 ppbv
RT: 3.24 min Scan# 94
Delta R.T. 0.21 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 41 Resp: 215826

Ion	Ratio	Lower	Upper
41	100		
42	65.8	56.1	84.1



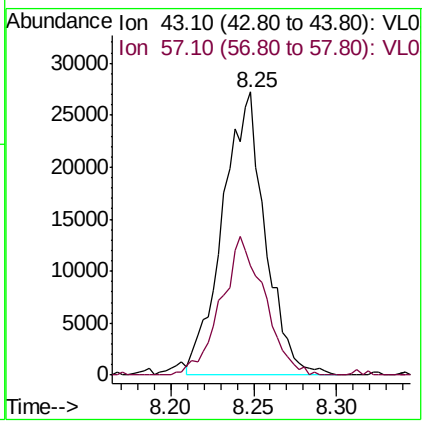


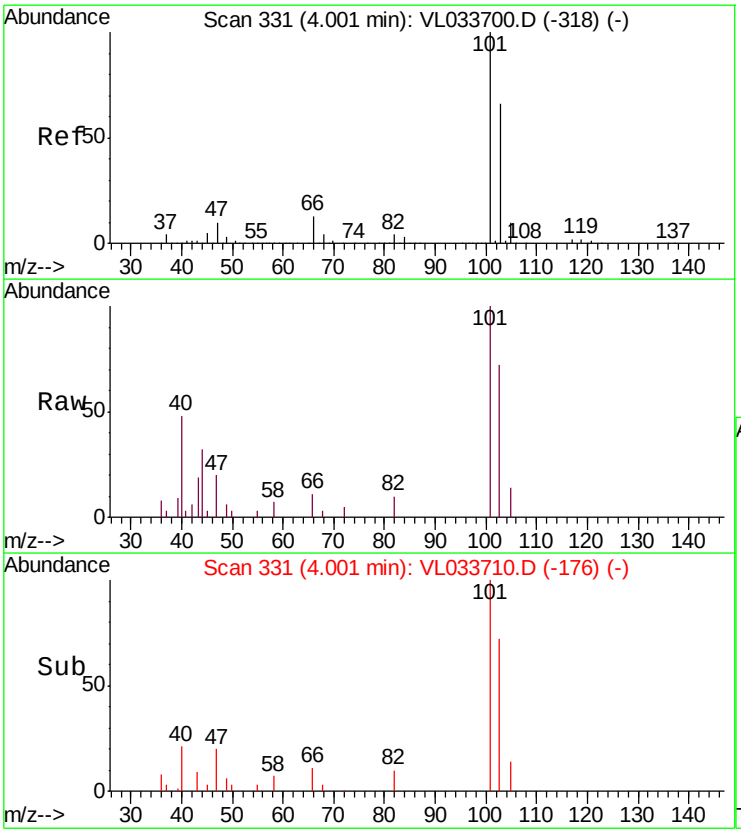
#10
Heptane
Concen: 0.309 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 43 Resp: 48586

Ion	Ratio	Lower	Upper
43	100		
57	50.1	41.4	62.0

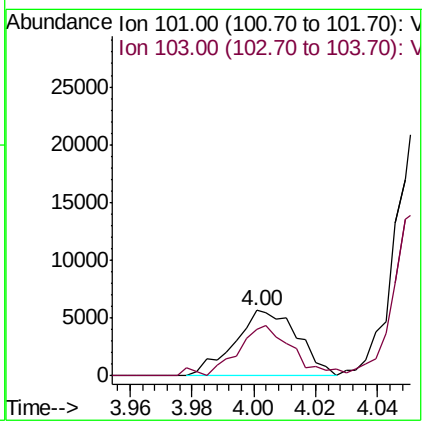


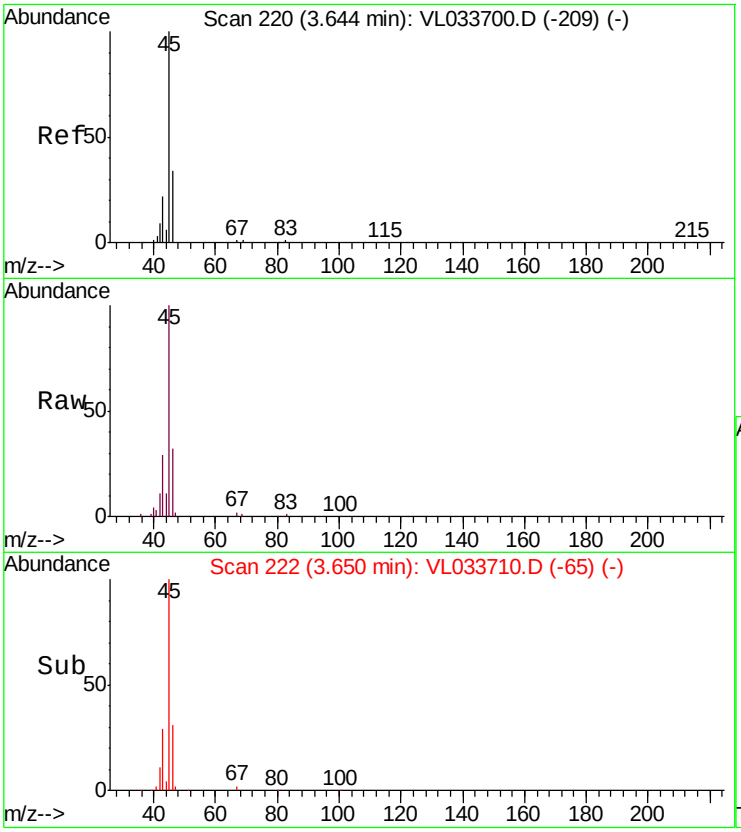


#11
Trichlorofluoromethane
Concen: 0.035 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion:101 Resp: 8106

Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.6	78.8



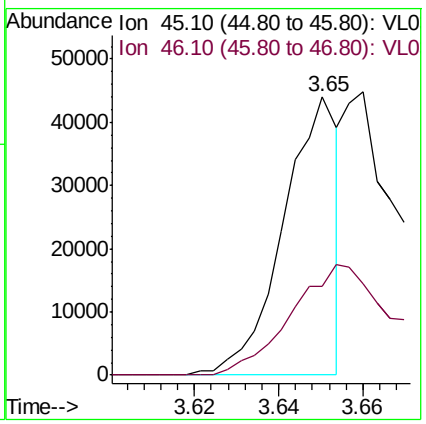


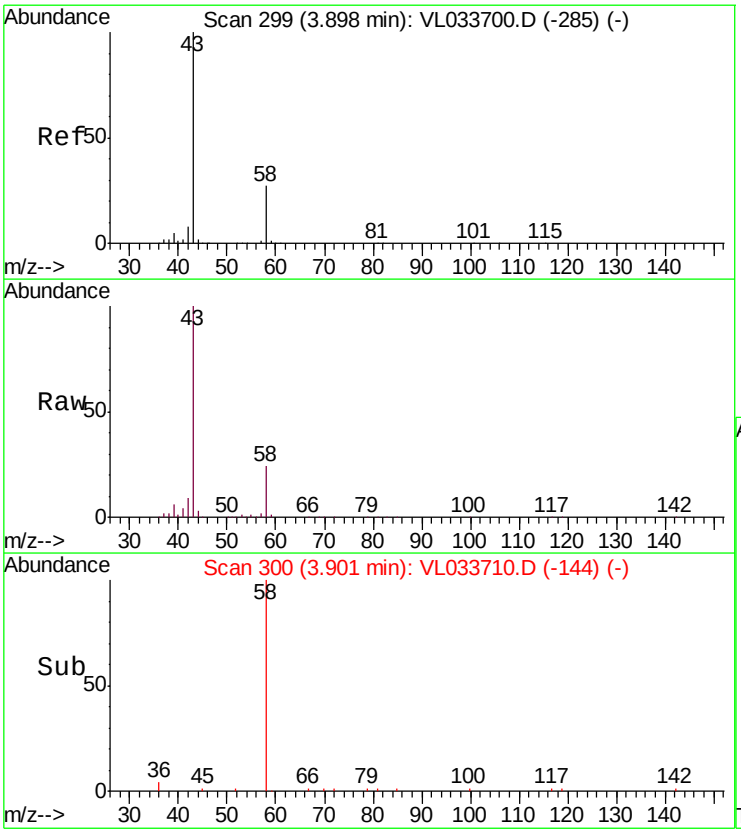
#13
Ethanol
Concen: 2.213 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 45 Resp: 39652

Ion	Ratio	Lower	Upper
45	100		
46	83.7	14.8	59.0#

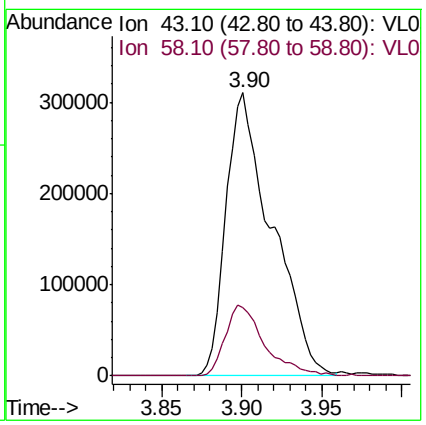


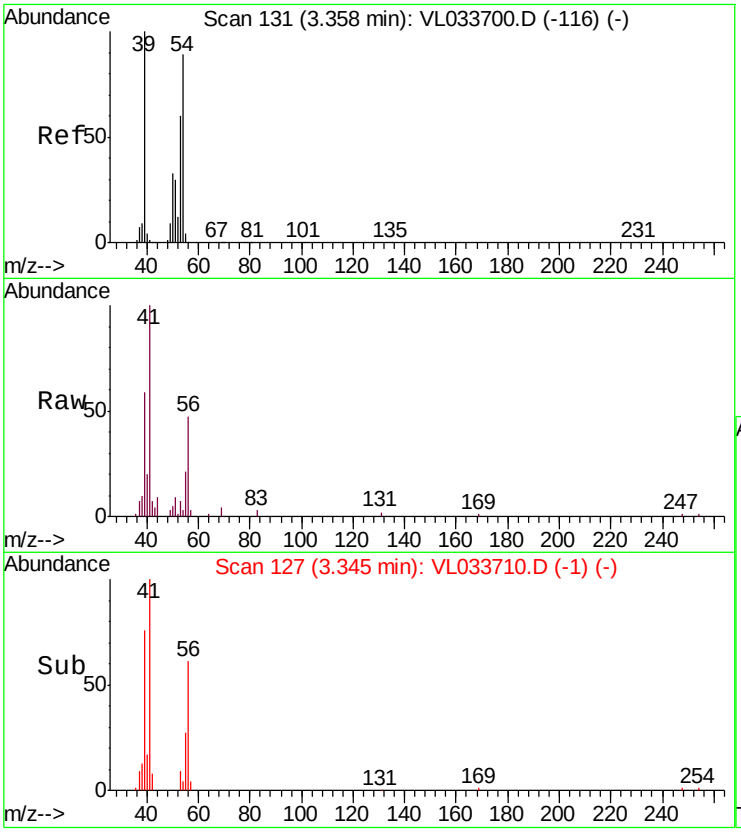


#15
Acetone
Concen: 3.872 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 43 Resp: 611395

Ion	Ratio	Lower	Upper
43	100		
58	21.6	21.3	31.9



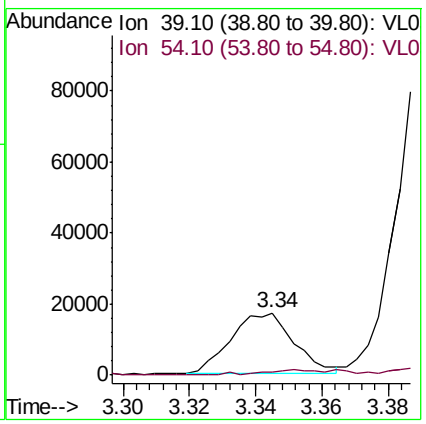


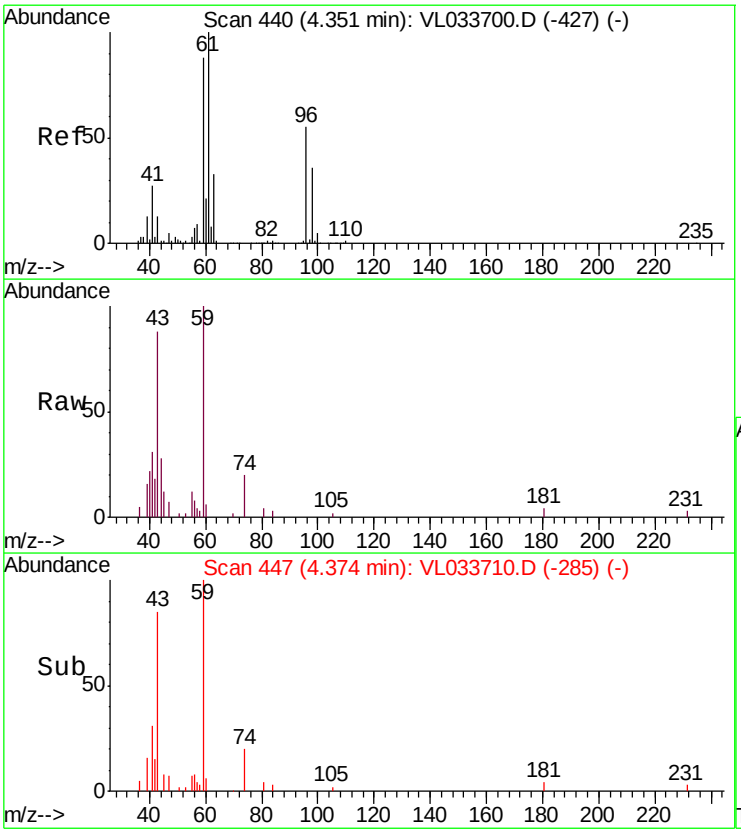
#16
1,3-Butadiene
Concen: 0.359 ppbv
RT: 3.34 min Scan# 127
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 39 Resp: 22597

Ion	Ratio	Lower	Upper
39	100		
54	11.7	69.0	103.6#

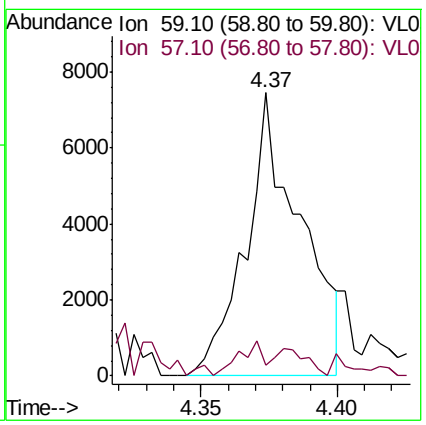


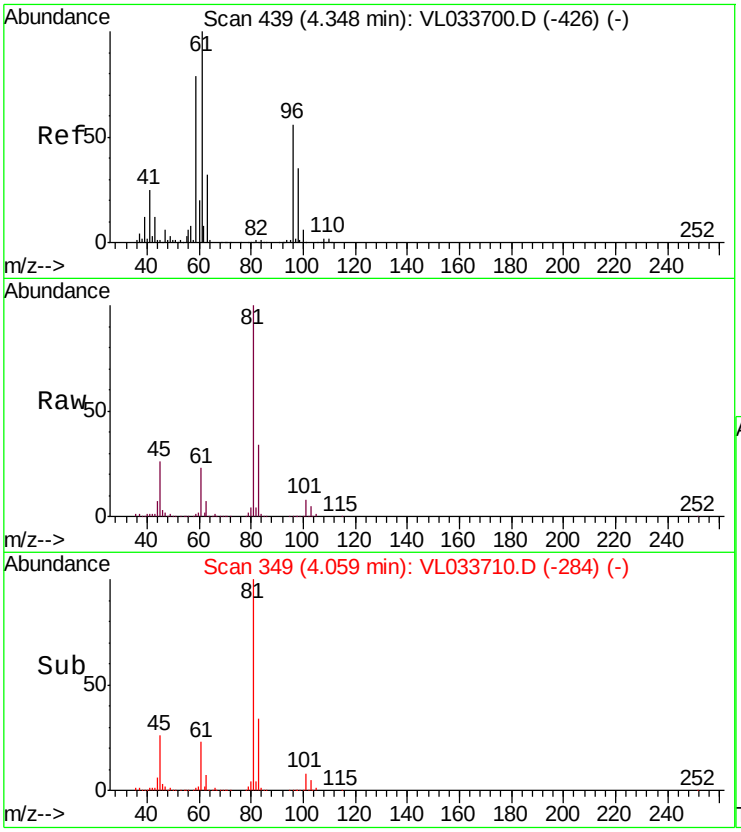


#17
tert-Butyl alcohol
Concen: 0.081 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 59 Resp: 10320

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#



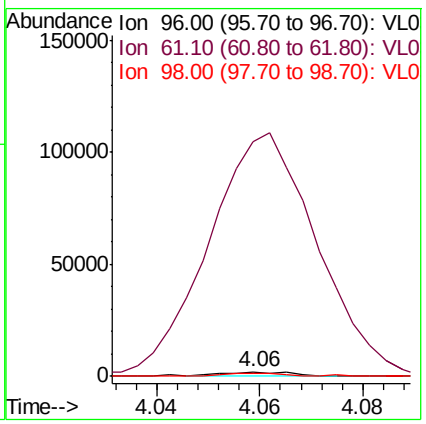


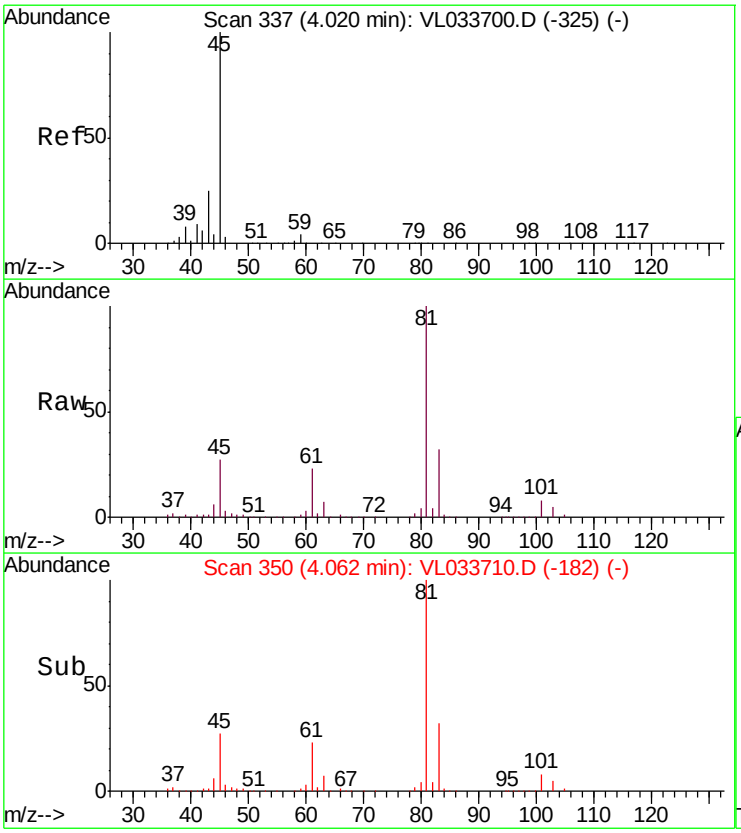
#18
1,1-Dichloroethene
Concen: 0.030 ppbv
RT: 4.06 min Scan# 349
Delta R.T. -0.29 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Tgt Ion: 96 Resp: 2022

Ion	Ratio	Lower	Upper
96	100		
61	4087.6	143.1	214.7#
98	47.8	49.5	74.3#

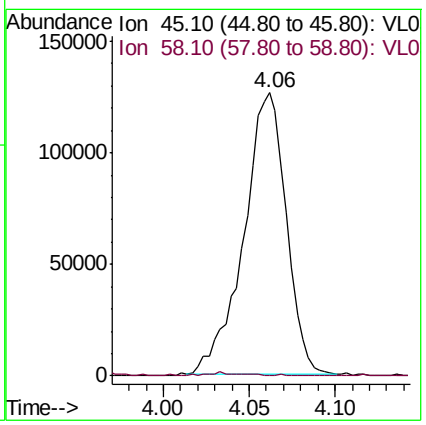


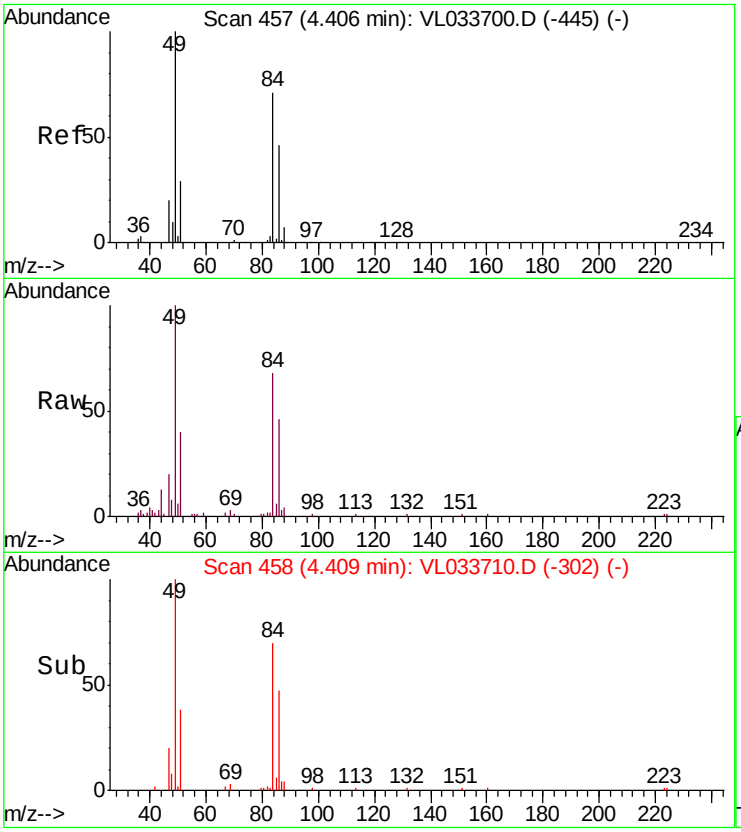


#19
Isopropyl Alcohol
Concen: 2.123 ppbv
RT: 4.06 min Scan# 350
Delta R.T. 0.04 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 45 Resp: 216107

Ion	Ratio	Lower	Upper
45	100		
58	61.3	1.6	2.4#



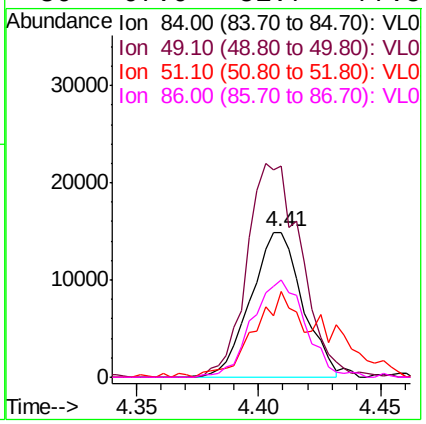


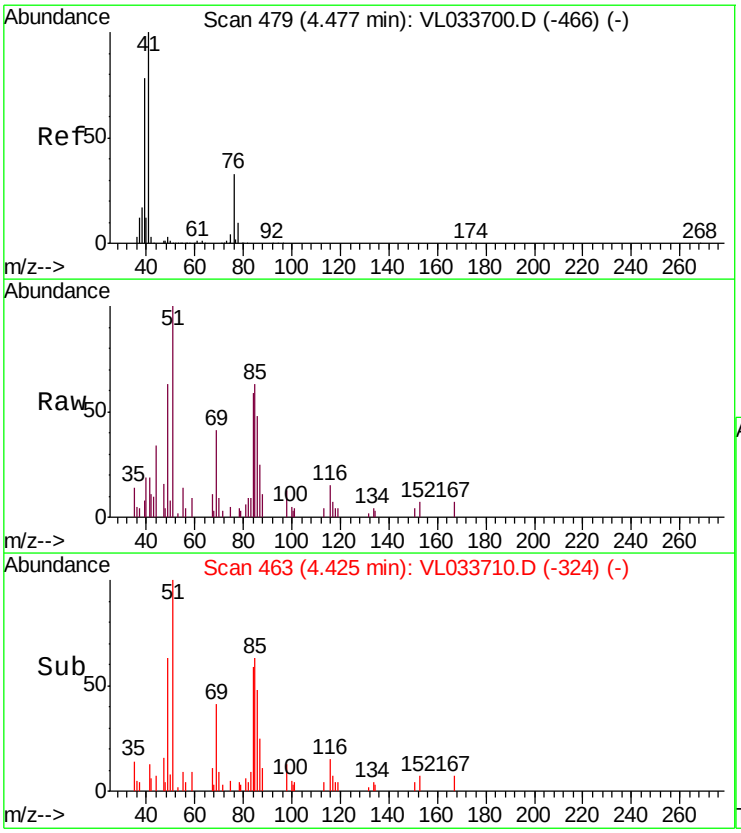
#20
Methylene Chloride
Concen: 0.361 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Tgt Ion: 84 Resp: 21939

Ion	Ratio	Lower	Upper
84	100		
49	146.0	112.8	169.2
51	57.3	33.4	50.0#
86	67.0	51.7	77.5

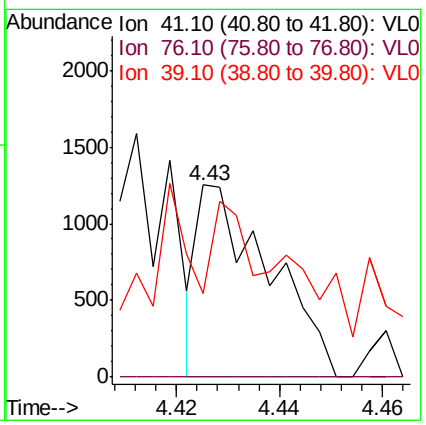


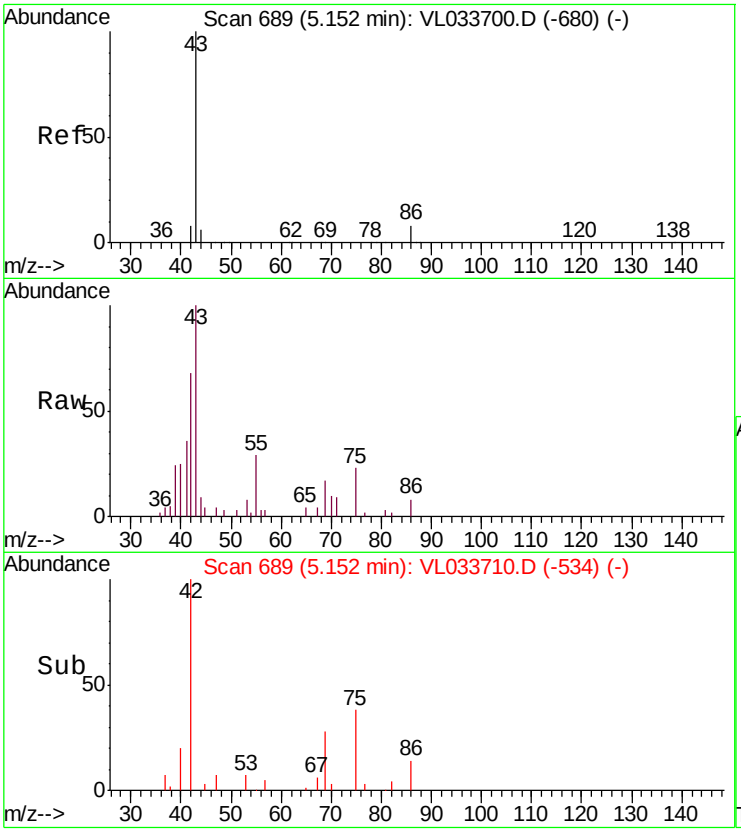


#21
Allyl Chloride
Concen: 0.012 ppbv
RT: 4.43 min Scan# 463
Delta R.T. -0.05 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 41 Resp: 1210

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	245.6	64.6	97.0#



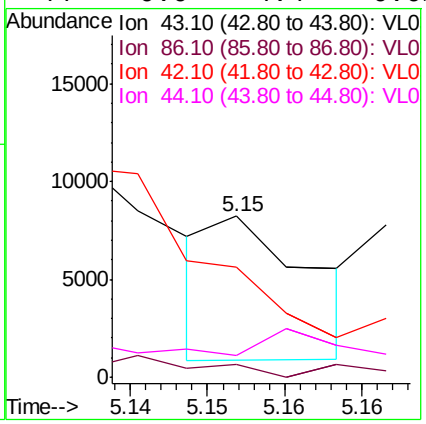


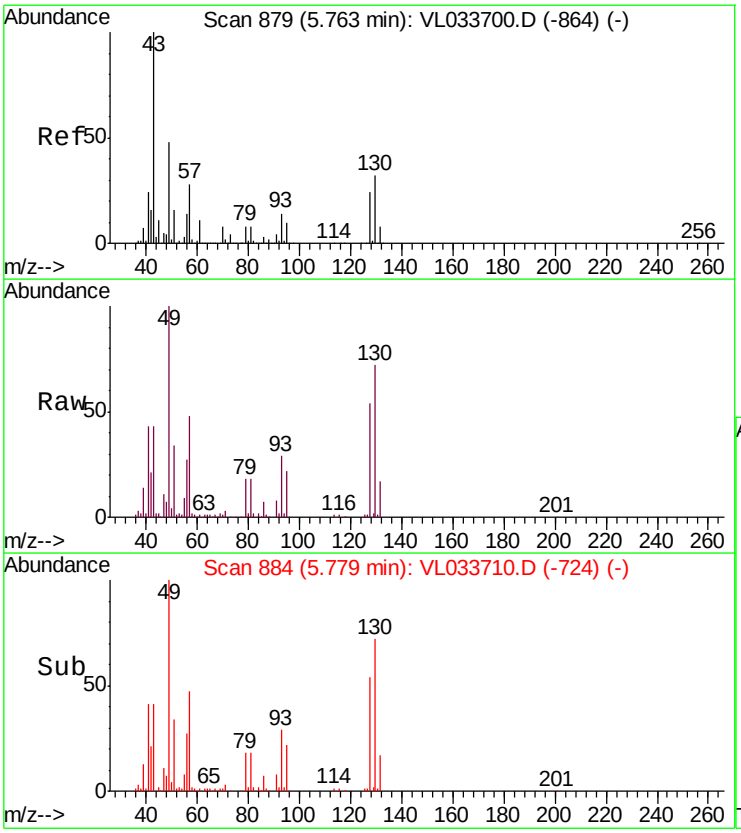
#23
Vinyl Acetate
Concen: 0.016 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Tgt Ion: 43 Resp: 3241

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0
42	135.2	7.5	11.3#
44	0.0	4.4	6.6#

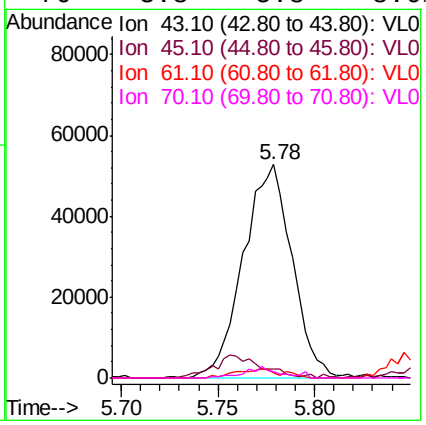


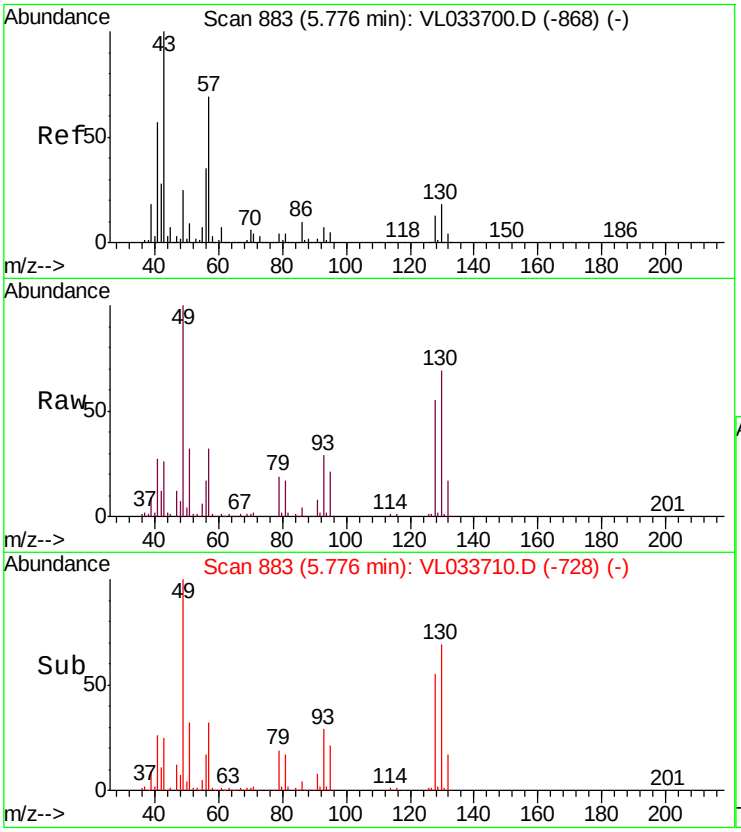


#25
Ethyl Acetate
Concen: 0.329 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.02 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 43 Resp: 91344

Ion	Ratio	Lower	Upper
43	100		
45	11.1	7.9	11.9
61	4.0	7.7	11.5#
70	3.8	5.8	8.6#



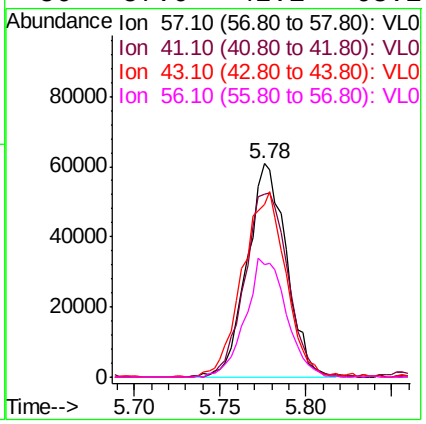


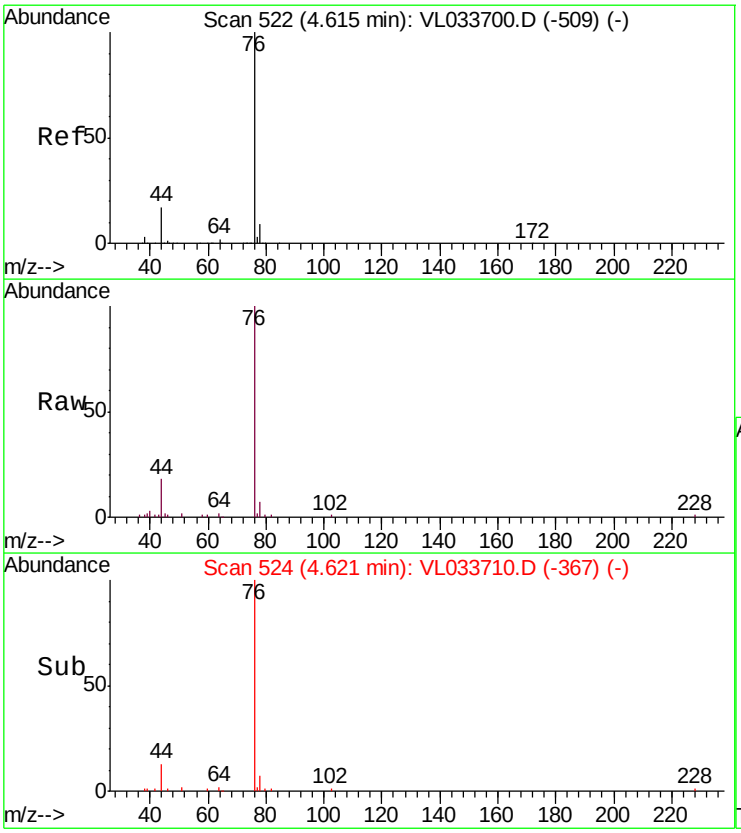
#26
Hexane
Concen: 0.809 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 57 Resp: 96480

Ion	Ratio	Lower	Upper
57	100		
41	94.5	69.8	104.6
43	97.8	181.8	272.6#
56	57.6	42.1	63.1

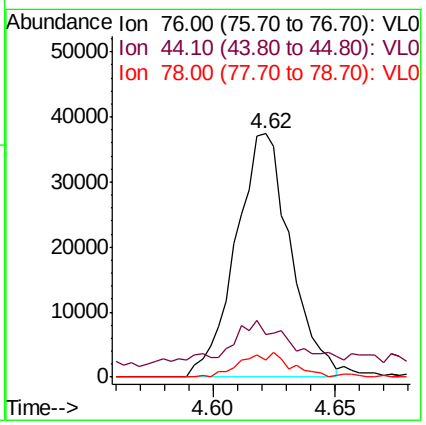


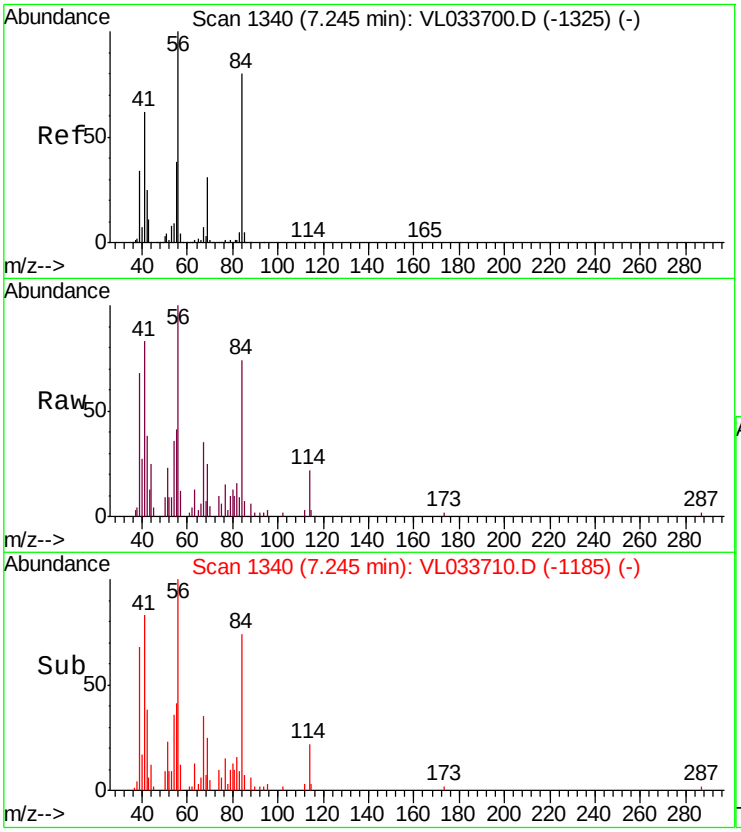


#27
Carbon Disulfide
Concen: 0.354 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 76 Resp: 57891

Ion	Ratio	Lower	Upper
76	100		
44	31.1	13.8	20.8#
78	9.6	7.4	11.0



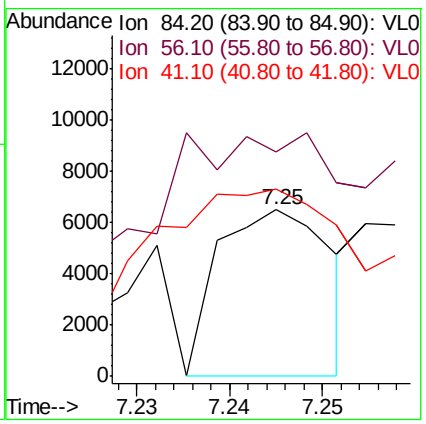


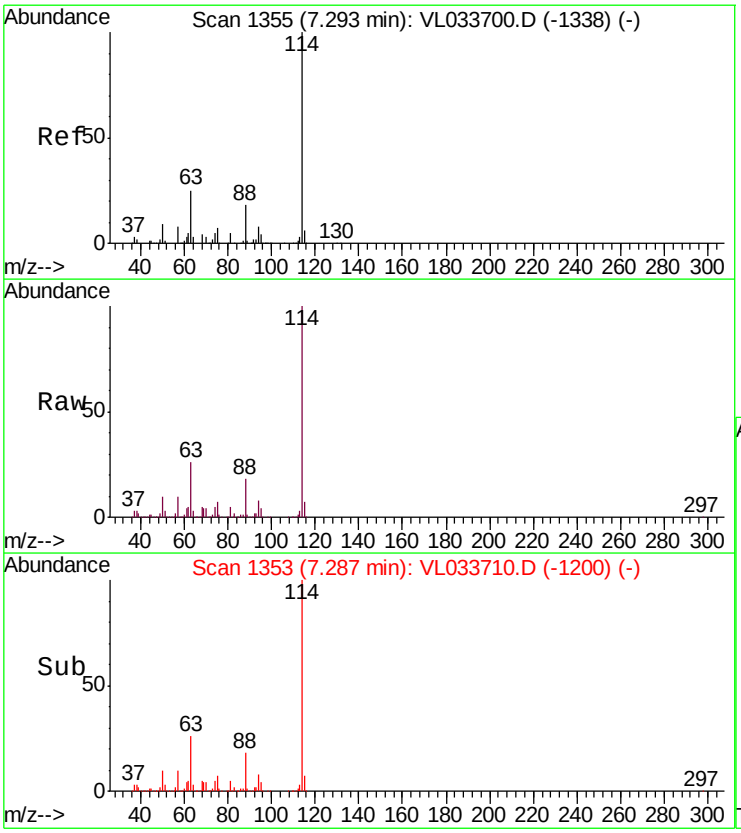
#30
Cyclohexane
Concen: 0.054 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Tgt Ion: 84 Resp: 5457

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	309.6	66.0	99.0#

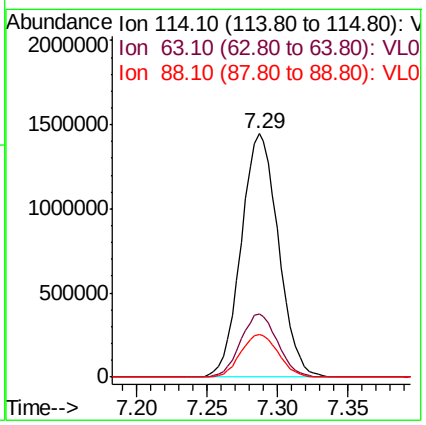


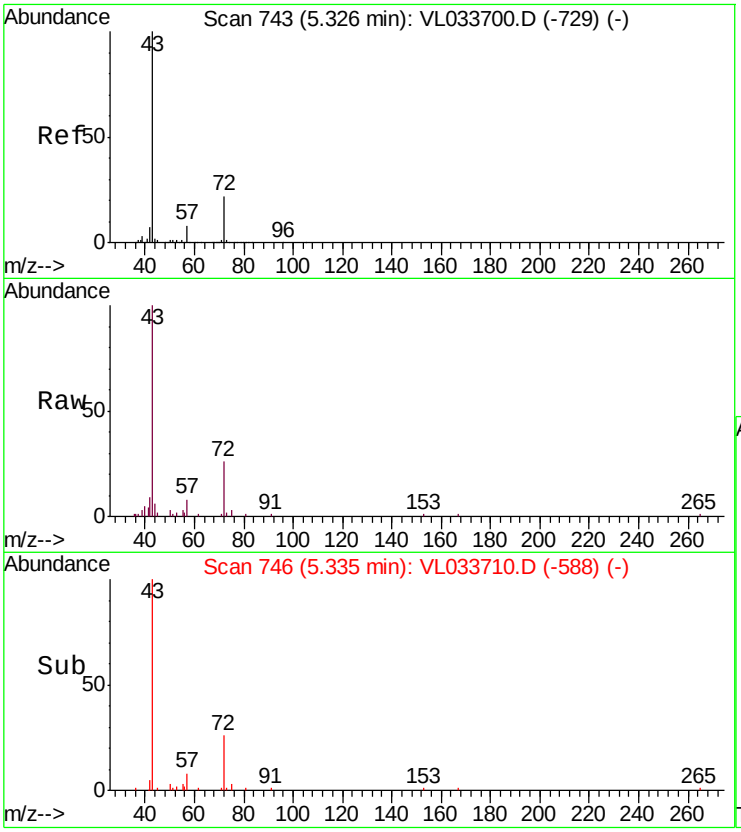


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion:114 Resp: 2669123

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	17.8	14.3	21.5



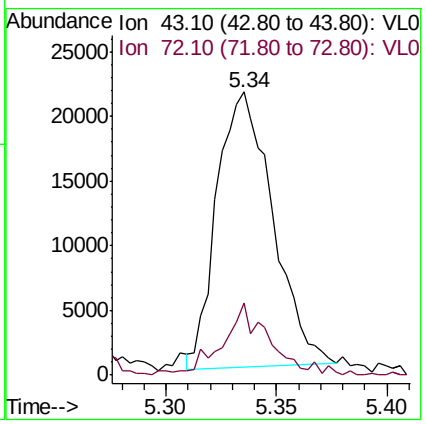


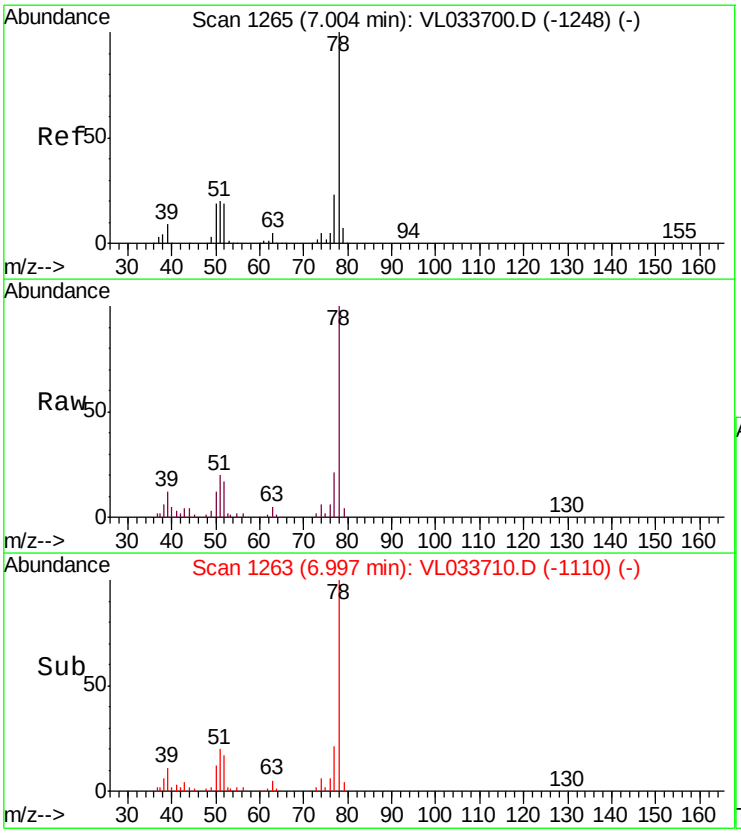
#34
2-Butanone
Concen: 0.226 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 43 Resp: 37350

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.8	26.6

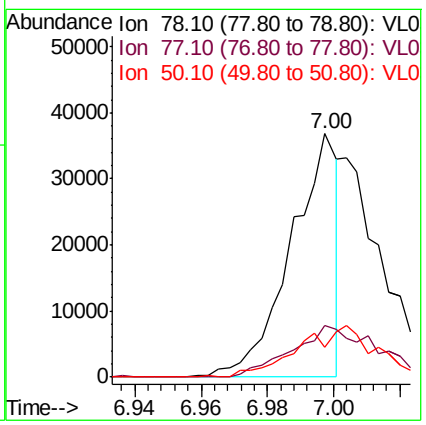


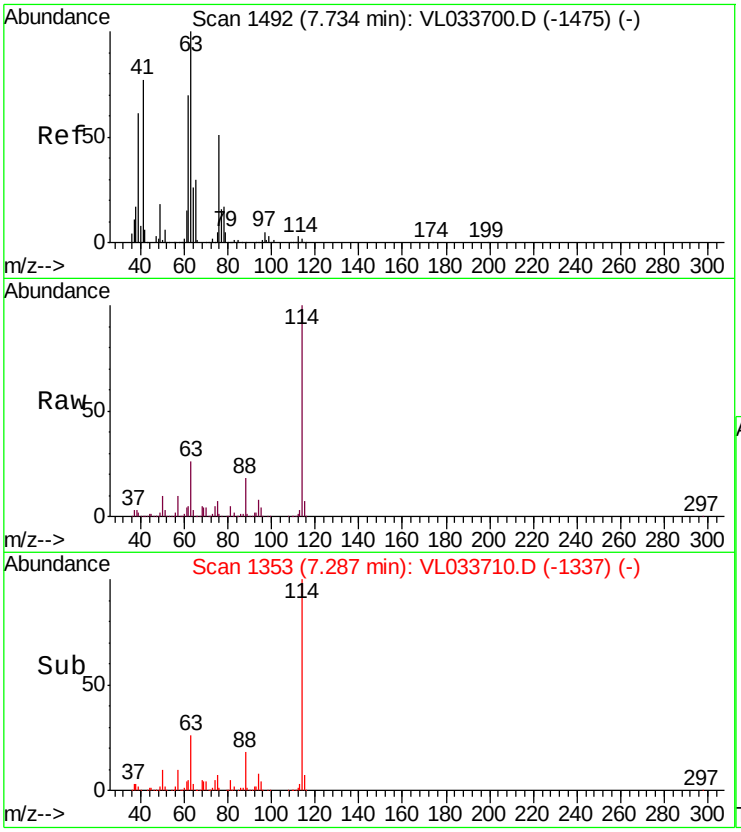


#36
Benzene
Concen: 0.149 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 78 Resp: 36175

Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.4	27.6
50	12.5	15.5	23.3#



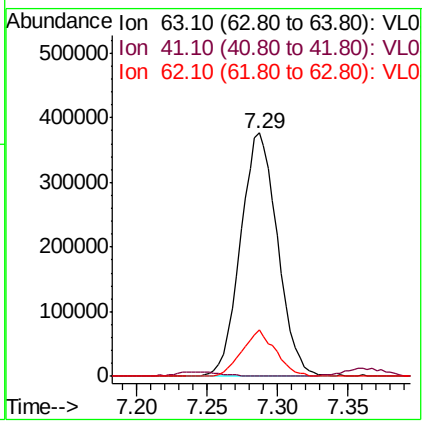


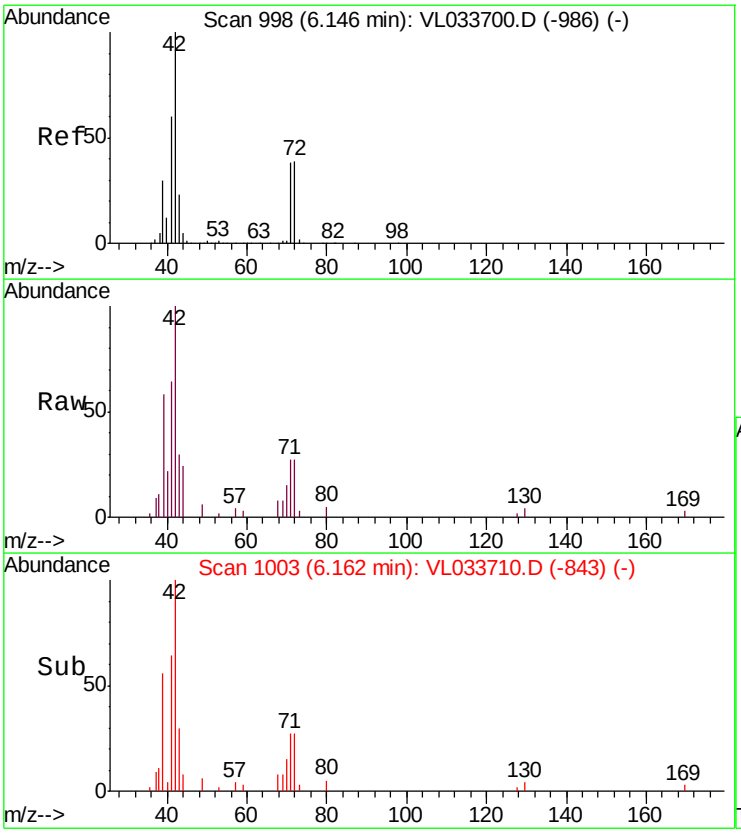
#39
1,2-Dichloropropane
Concen: 7.628 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Tgt Ion: 63 Resp: 690480

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	18.9	56.2	84.4#

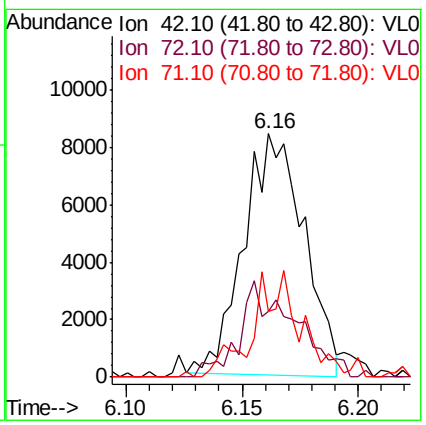


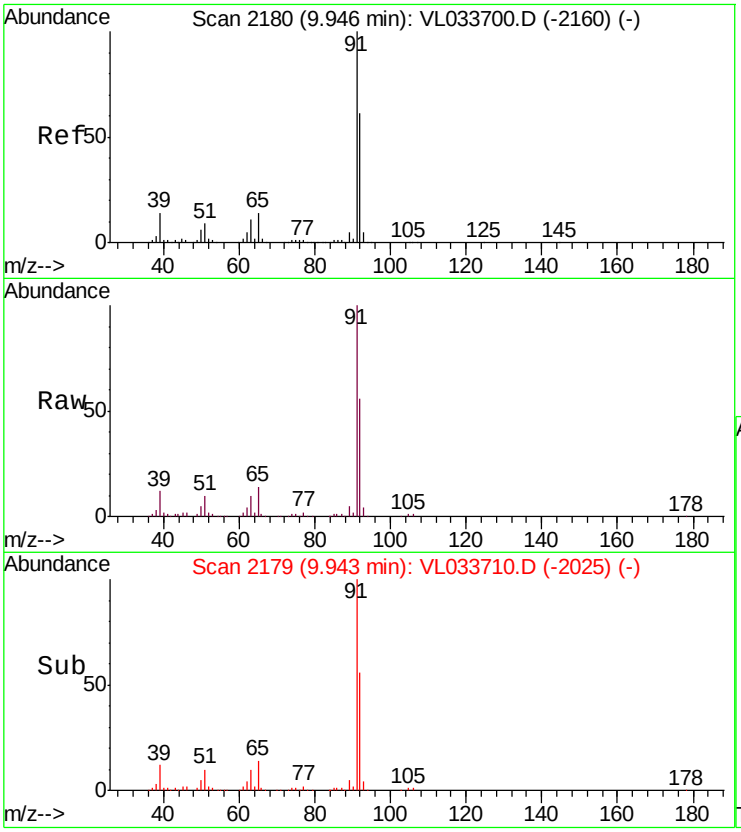


#41
Tetrahydrofuran
Concen: 0.163 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.02 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 42 Resp: 15141

Ion	Ratio	Lower	Upper
42	100		
72	37.0	32.0	48.0
71	36.2	30.4	45.6



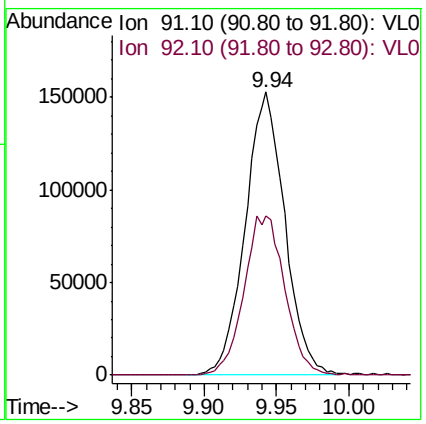


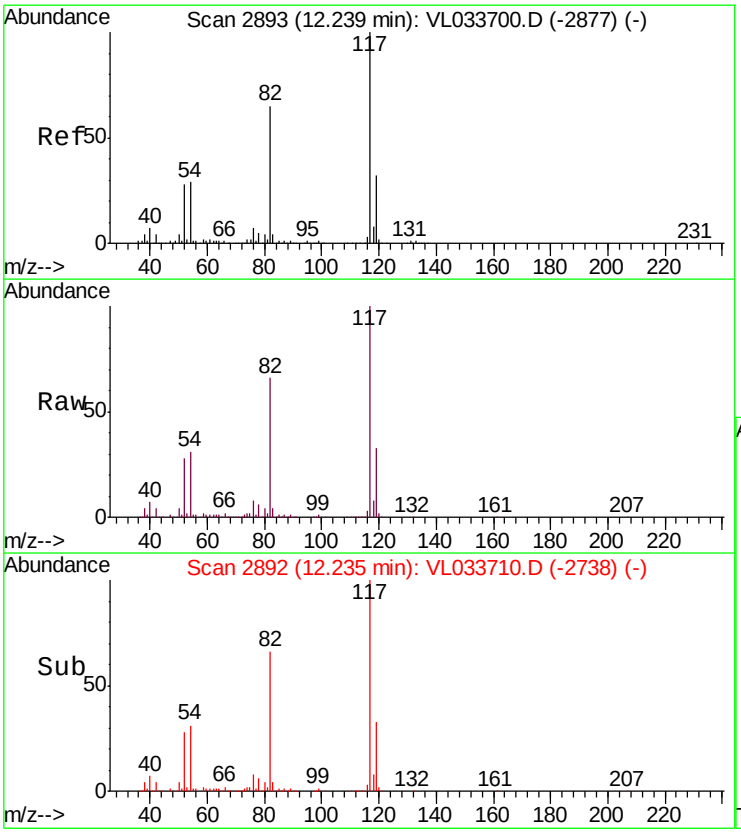
#53
Toluene
Concen: 1.108 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument : MSVOA_L
ClientSampleId : SV-02DL

Tgt Ion: 91 Resp: 290261

Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.6	71.4

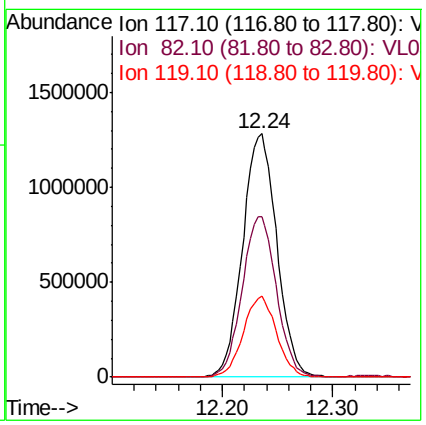


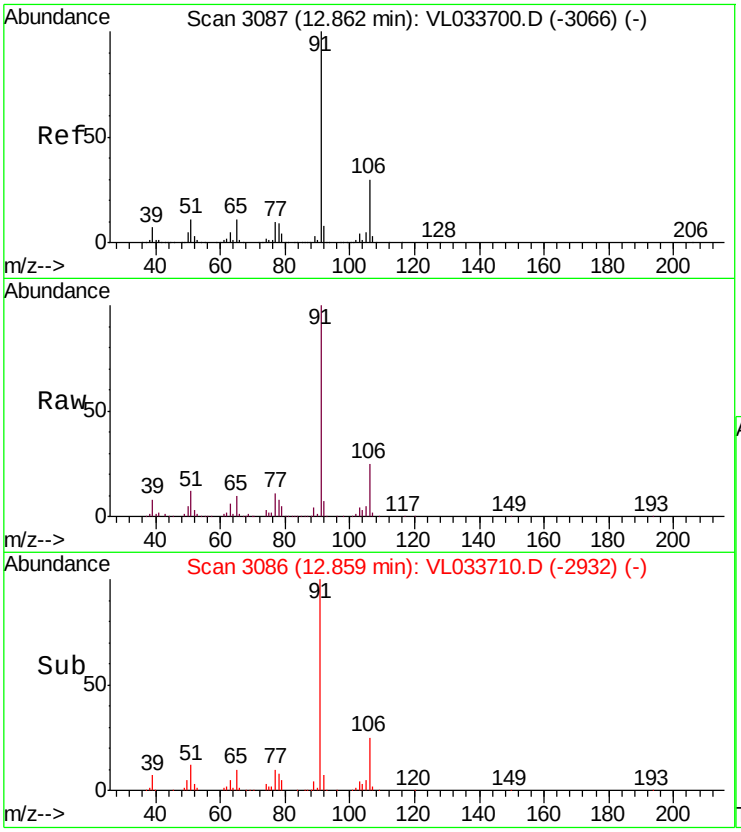


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion:117 Resp: 2750755

Ion	Ratio	Lower	Upper
117	100		
82	66.1	49.4	74.0
119	32.5	24.9	37.3



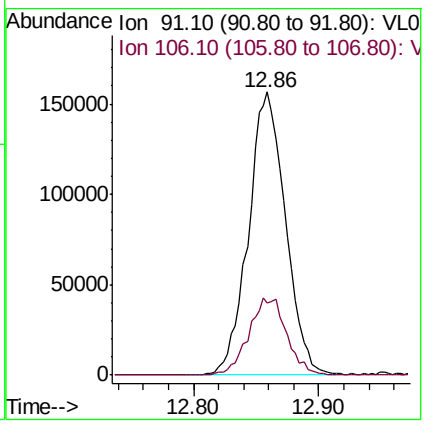


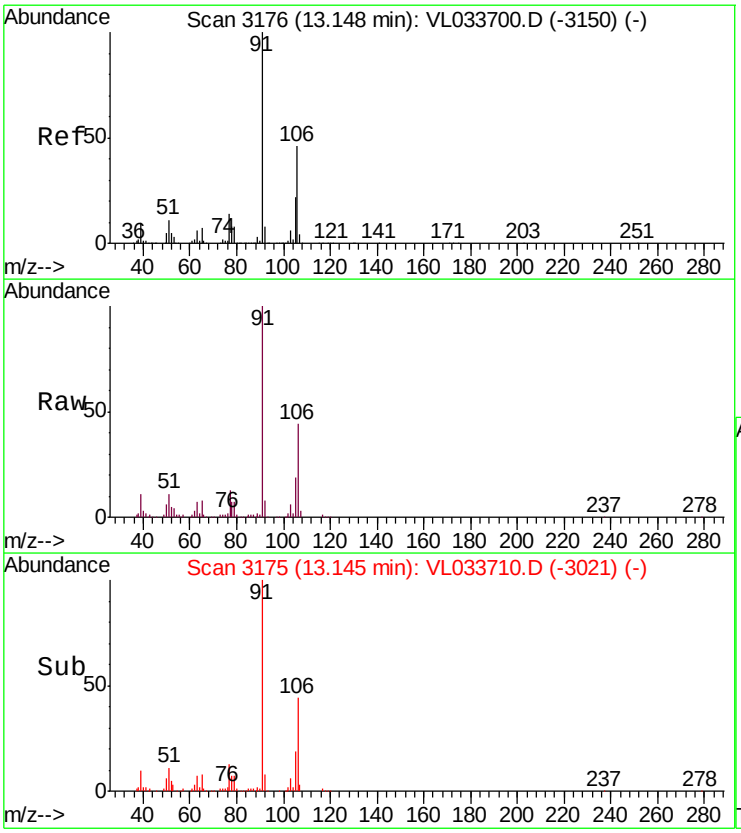
#58
Ethyl Benzene
Concen: 0.884 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 91 Resp: 321849

Ion	Ratio	Lower	Upper
91	100		
106	25.4	23.9	35.9

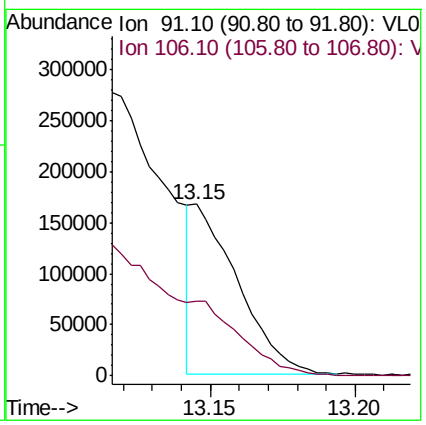


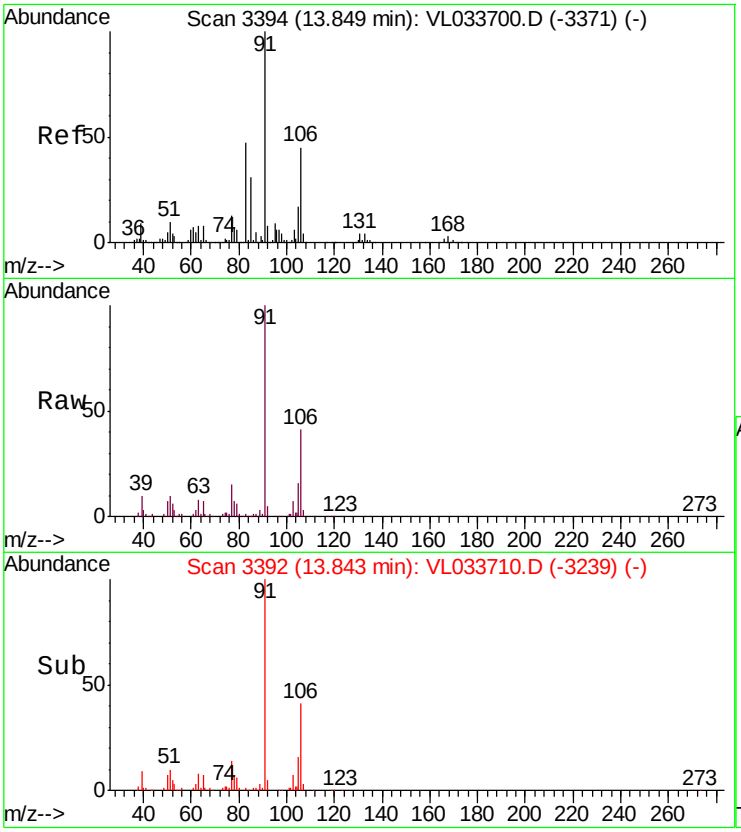


#59
m/p-Xylene
Concen: 0.566 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 91 Resp: 180288

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#



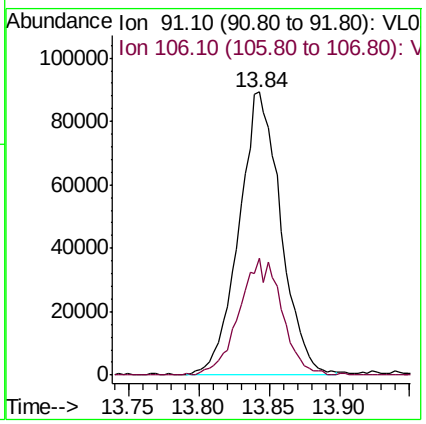


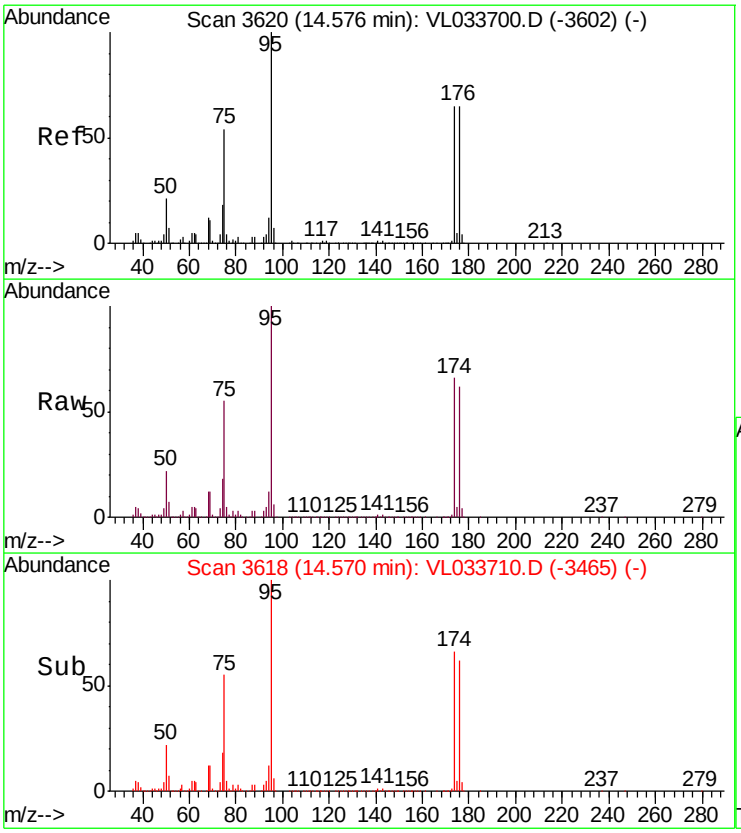
#60
o-Xylene
Concen: 0.579 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion: 91 Resp: 185812

Ion	Ratio	Lower	Upper
91	100		
106	42.2	21.6	64.8

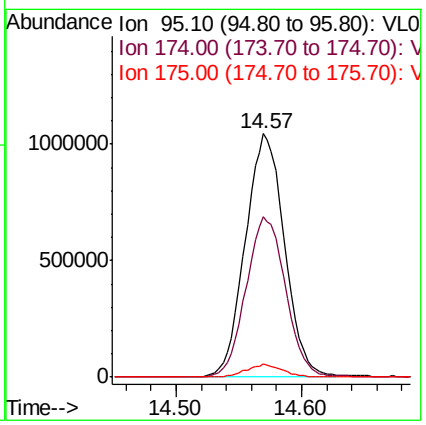


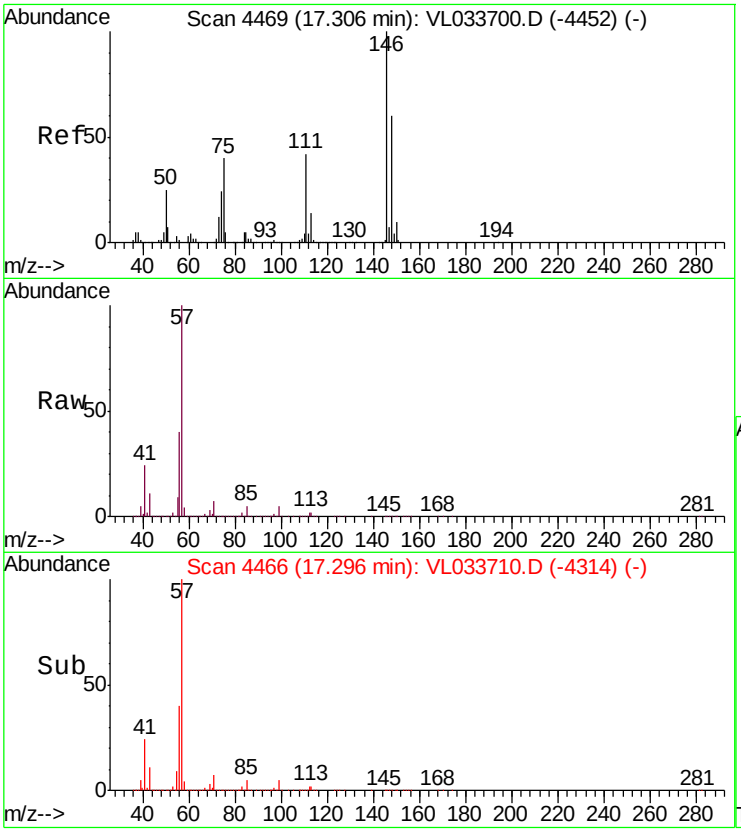


#68
1-Bromo-4-Fluorobenzene
Concen: 10.175 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion: 95 Resp: 2269106

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.9	80.9
175	4.8	3.8	5.8



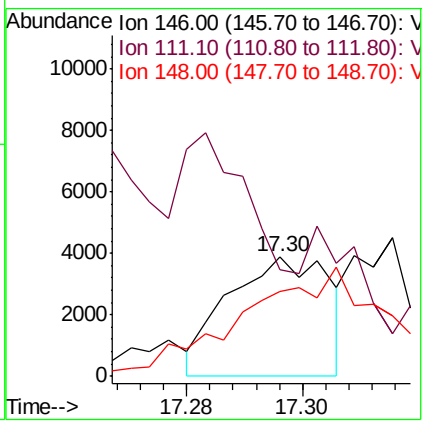


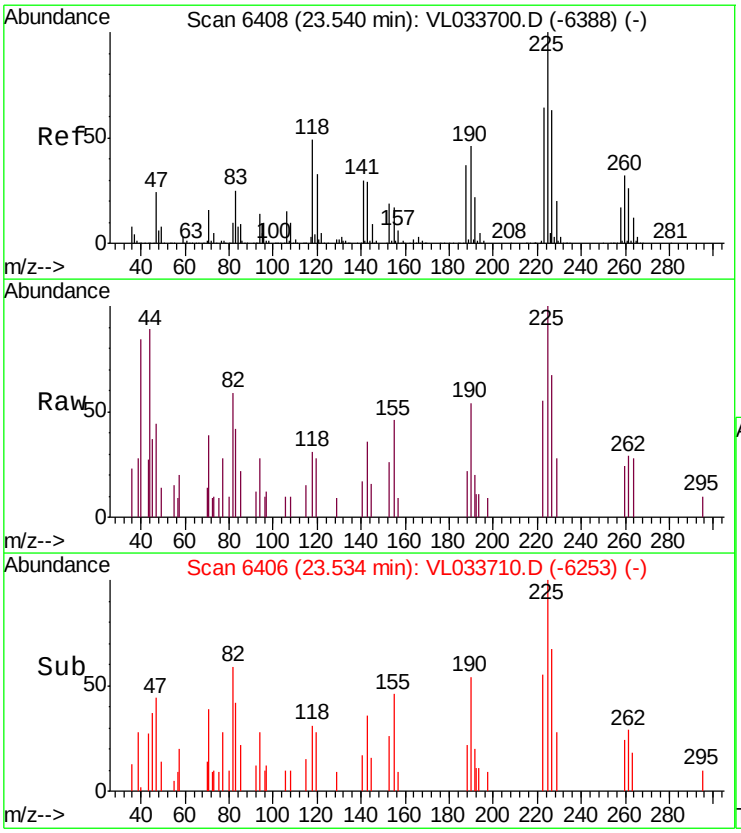
#76
1,4-Dichlorobenzene
Concen: 0.021 ppbv
RT: 17.30 min Scan# 4466
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Tgt Ion:146 Resp: 4704

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.9	65.8#
148	147.8	32.1	96.3#





#78
Hexachloro-1,3-Butadiene
Concen: 0.012 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033710.D
Acq: 17 May 2019 10:43

Tgt Ion:225 Resp: 2066

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	0.0	50.7	76.1#