Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033294.D
Acq On : 12 Mar 2019 22:19
Operator : SY/AP
Sample : K1805-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Quant Time: Mar 13 07:56:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	811547	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	1768387	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.27	117	1655597	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	1350565	10.56	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.60%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.01	51	66232	0.615	ppbv	#	78
4) Chloromethane	3.17	50	3765	0.065	ppbv	#	71
7) Chloroethane	3.60	64	1811	0.089	ppbv	#	86
9) Propene	3.24	41	63011	1.284	ppbv		98
10) Heptane	8.25	43	7700	0.070	ppbv	#	28
11) Trichlorofluoromethane	4.00	101	31007	0.191	ppbv		88
12) 1,1,2-Trichlorotrifluoroet	4.55	101	3822	0.041	ppbv	#	58
13) Ethanol	3.65	45	40560	2.709	ppbv	#	41
15) Acetone	3.92	43	242160	1.945	ppbv	#	79
16) 1,3-Butadiene	3.34	39	21669	0.482	ppbv	#	7
18) 1,1-Dichloroethene	4.35	96	2694	0.066	ppbv		85
19) Isopropyl Alcohol	4.05	45	10082	0.134	ppbv	#	95
20) Methylene Chloride	4.41	84	97432	2.354	ppbv		94
21) Allyl Chloride	4.43	41	5230	0.085	ppbv	#	1
22) trans-1,2-Dichloroethene	4.96	96	52579	1.200	ppbv		93
23) Vinyl Acetate	5.15	43	3242	0.021	ppbv	#	1
24) 1,1-Dichloroethane	4.96	63	27909	0.247	ppbv	#	1
25) Ethyl Acetate	5.78	43	93905	0.490	ppbv	#	76
26) Hexane	5.78	57	135186	1.501	ppbv	#	40
29) Chloroform	5.84	83	32976	0.241	ppbv		93
30) Cyclohexane	7.25	84	2134	0.031	ppbv	#	1
31) cis-1,2-Dichloroethene	5.64	61	8247460	95.549	ppbv	#	88
34) 2-Butanone	5.35	43	20687	0.177	ppbv		94
36) Benzene	7.01	78	68949	0.423	ppbv	#	92
38) Trichloroethene	7.98	130	15000802	235.961	ppbv		90
39) 1,2-Dichloropropane	7.96	63	29163	0.475	ppbv	#	1
41) Tetrahydrofuran	6.42	42	1935	0.030	ppbv	#	37
42) Bromodichloromethane	7.97	83	131143	0.974	ppbv		97
44) 2,2,4-Trimethylpentane	8.01	57	51042	0.184	ppbv	#	67
52) Tetrachloroethene	11.50	164	52775114	882.760	ppbv		87
53) Toluene	9.95	91	435013	2.314	ppbv		98
57) Chlorobenzene	12.34	112	5542	0.044	ppbv	#	37
58) Ethyl Benzene	12.89	91	10684	0.047	ppbv		95
59) m/p-Xylene	13.15	91	20387	0.107	ppbv	#	1

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

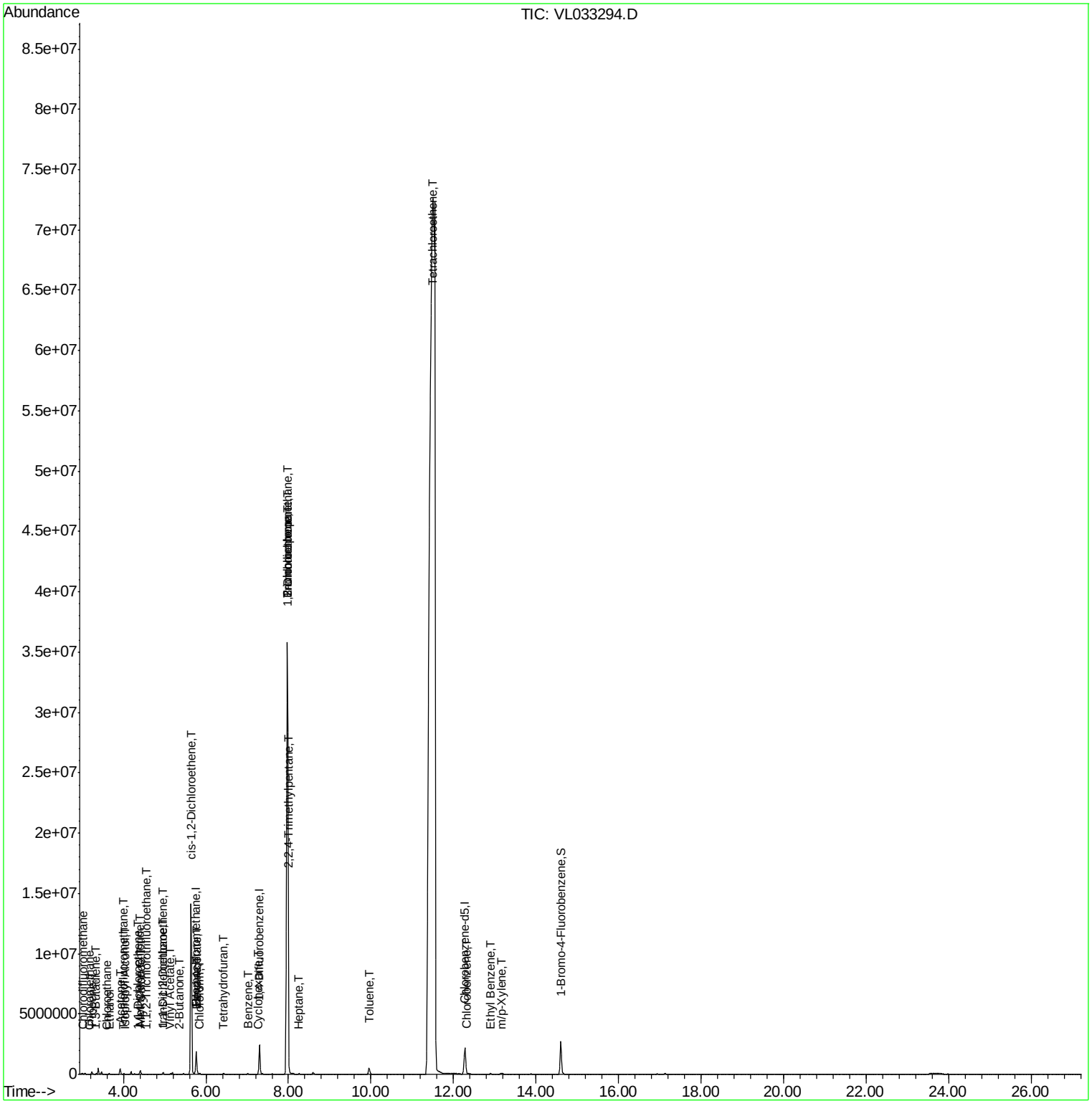
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

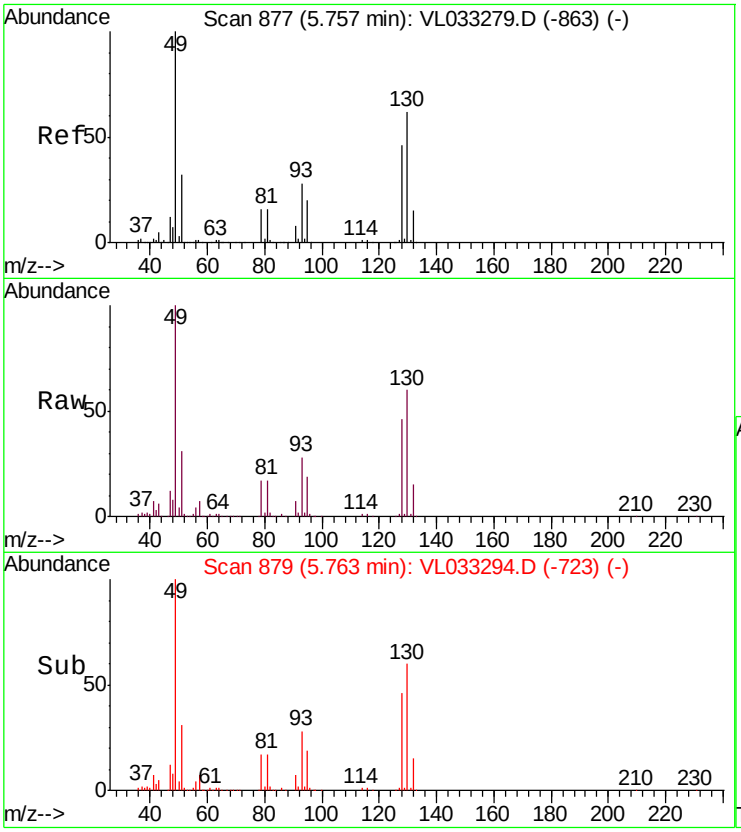
Quantitation Report (Not Reviewed)

Data File : VL033294.D
Acq On : 12 Mar 2019 22:19
Operator : SY/AP
Sample : K1805-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Quant Time: Mar 13 07:56:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 07:17:55 2019
QLast Update : Wed Mar 13 07:17:55 2019
Response via : Initial Calibration



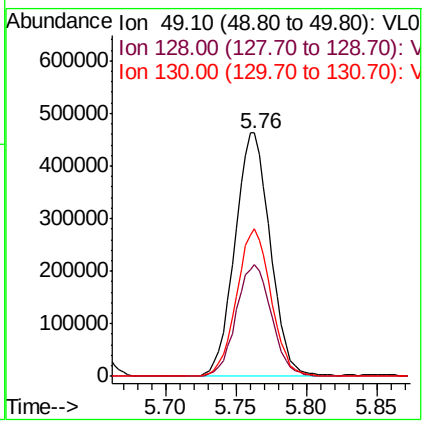


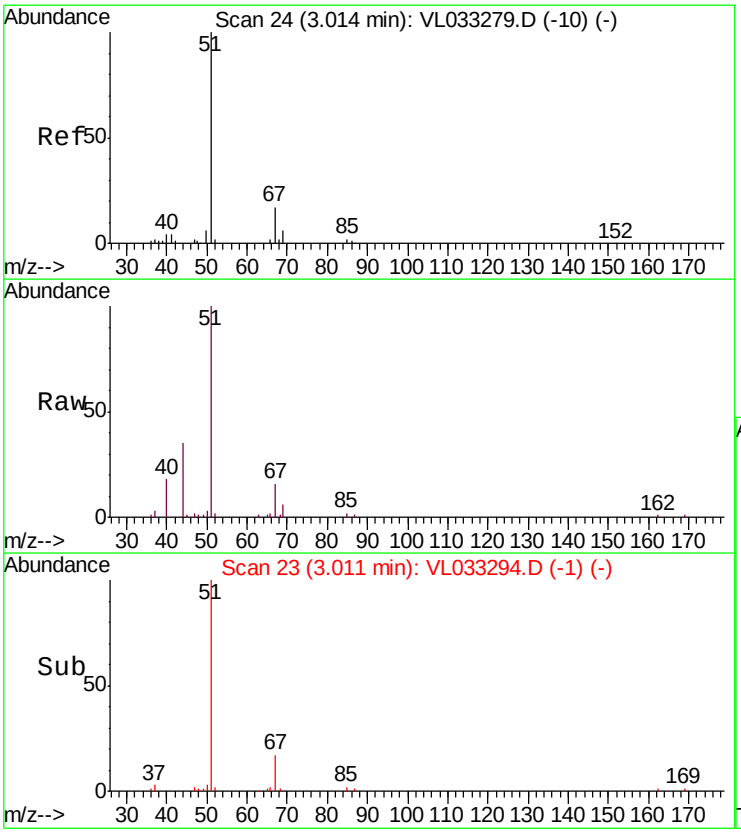
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 49 Resp: 811547

Ion	Ratio	Lower	Upper
49	100		
128	46.1	23.3	69.9
130	59.3	30.0	90.1

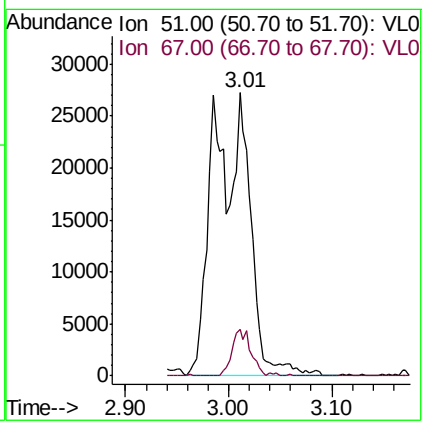


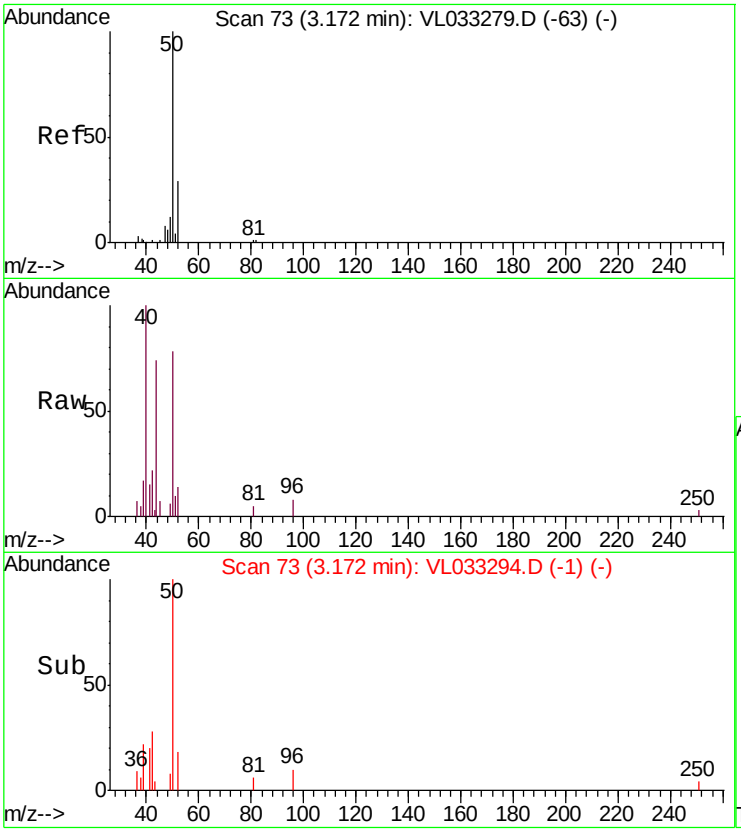


#3
Chlorodifluoromethane
Concen: 0.615 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 51 Resp: 66232

Ion	Ratio	Lower	Upper
51	100		
67	8.8	15.0	22.4#



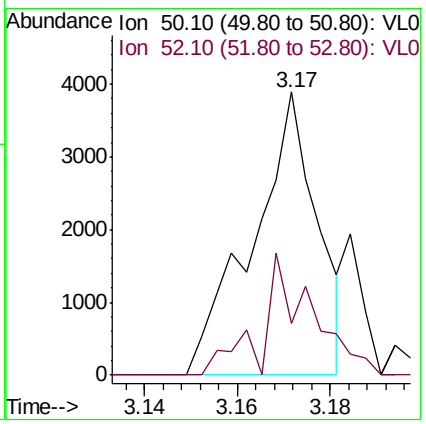


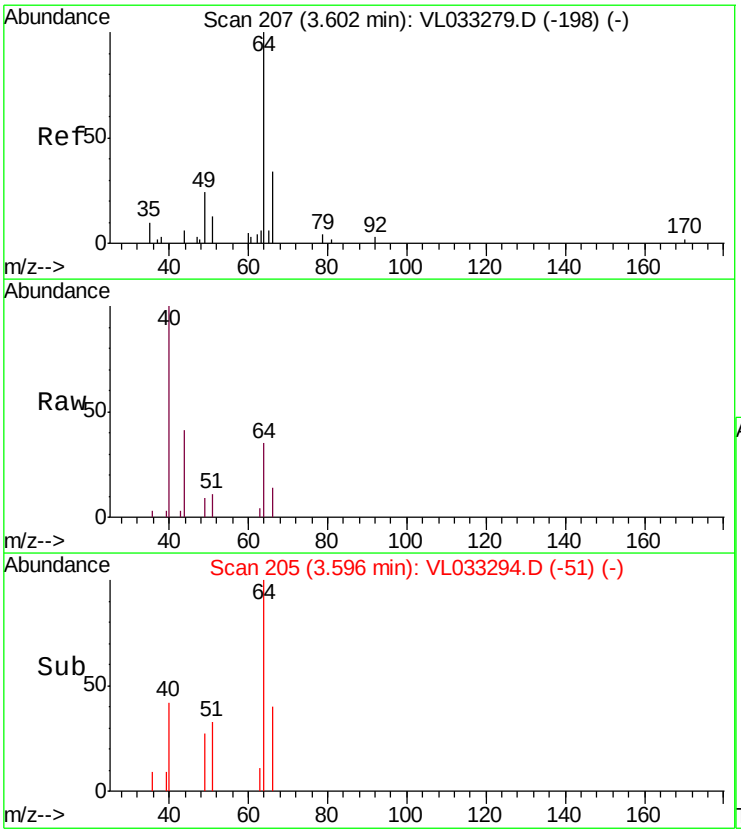
#4
Chloromethane
Concen: 0.065 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 50 Resp: 3765

Ion	Ratio	Lower	Upper
50	100		
52	16.7	26.6	39.8#

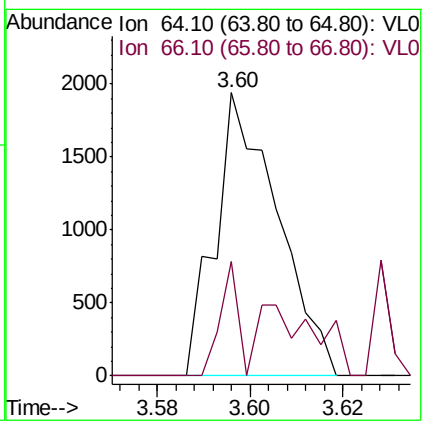


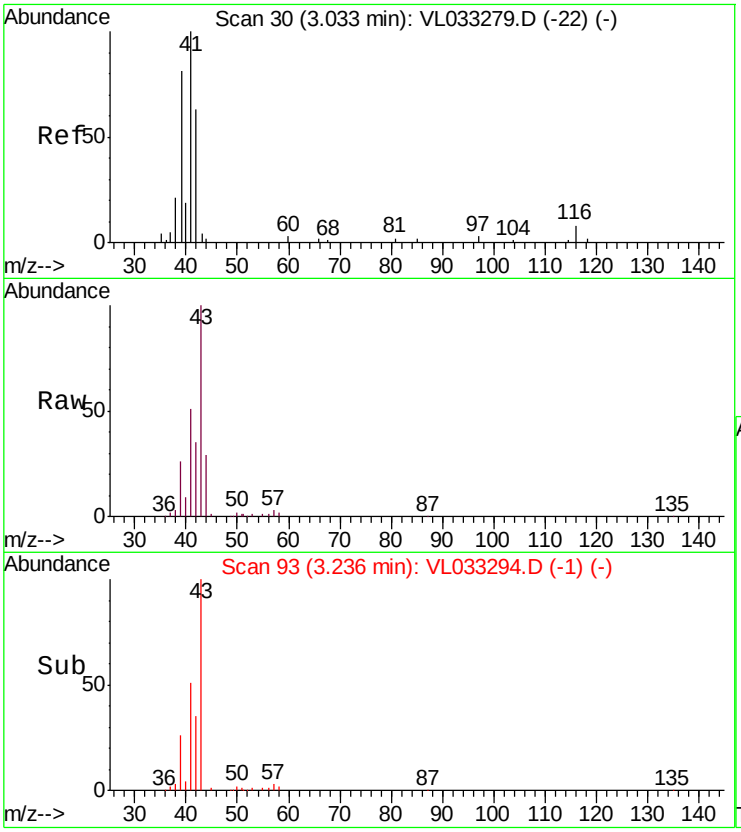


#7
Chloroethane
Concen: 0.089 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 64 Resp: 1811

Ion	Ratio	Lower	Upper
64	100		
66	40.3	26.2	39.2#



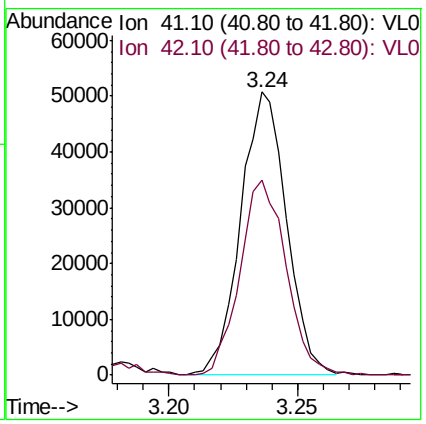


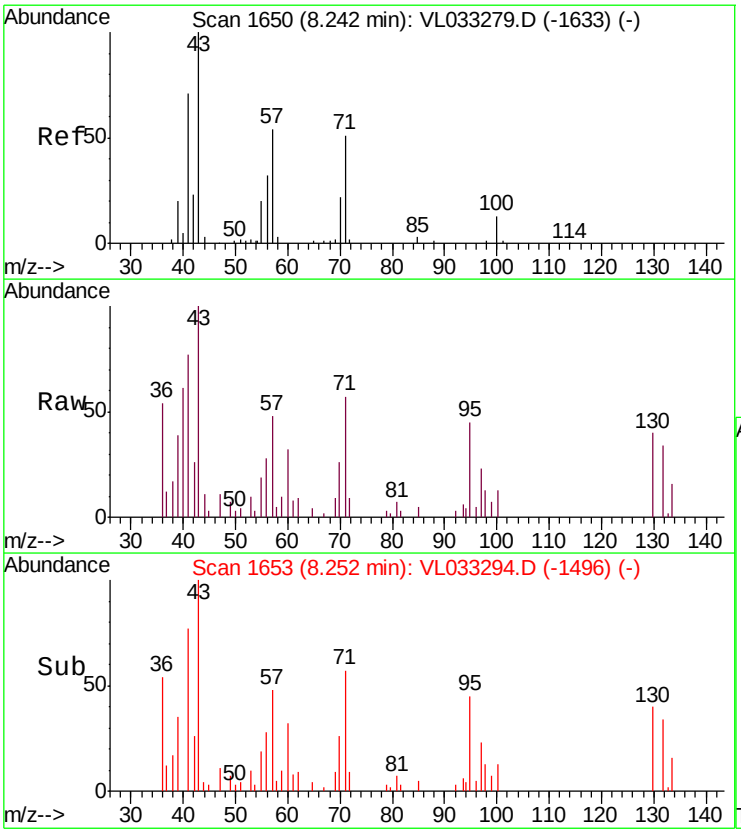
#9
Propene
Concen: 1.284 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 41 Resp: 63011

Ion	Ratio	Lower	Upper
41	100		
42	69.8	54.6	82.0

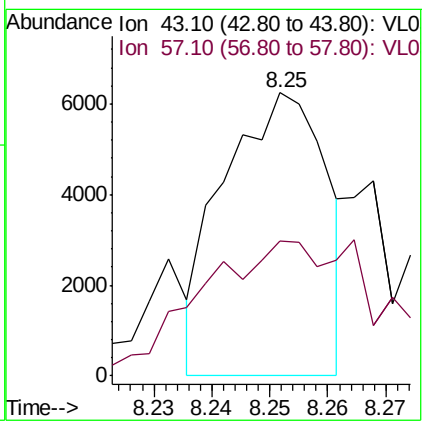


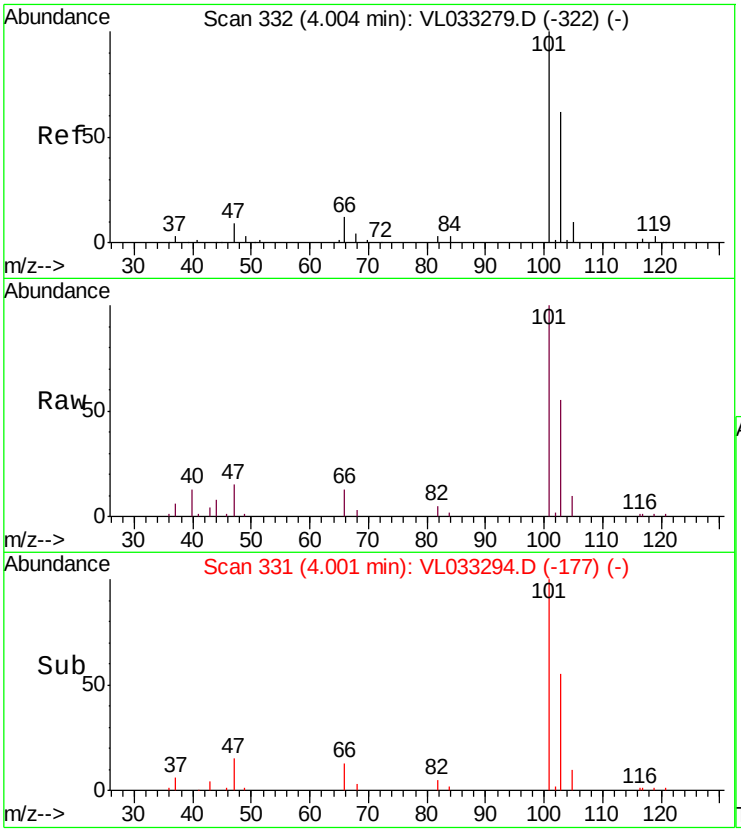


#10
Heptane
Concen: 0.070 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 43 Resp: 7700

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.8	59.8#



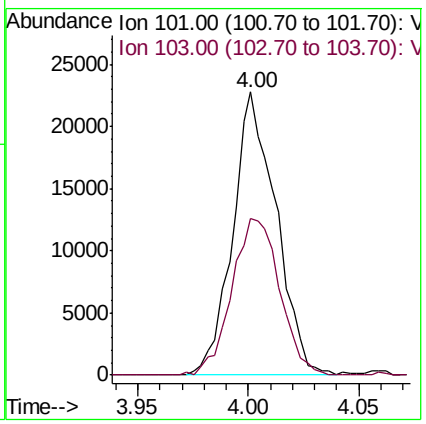


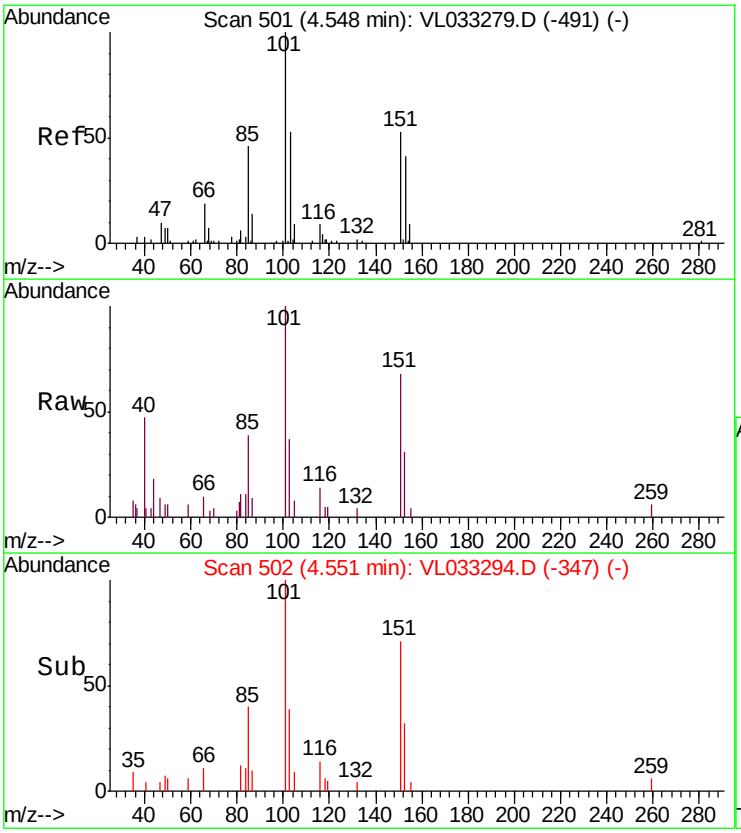
#11
Trichlorofluoromethane
Concen: 0.191 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion:101 Resp: 31007

Ion	Ratio	Lower	Upper
101	100		
103	55.4	51.8	77.8

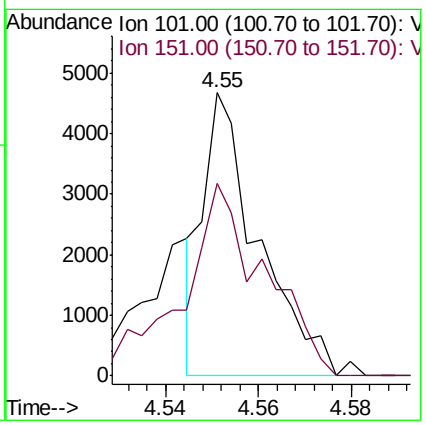


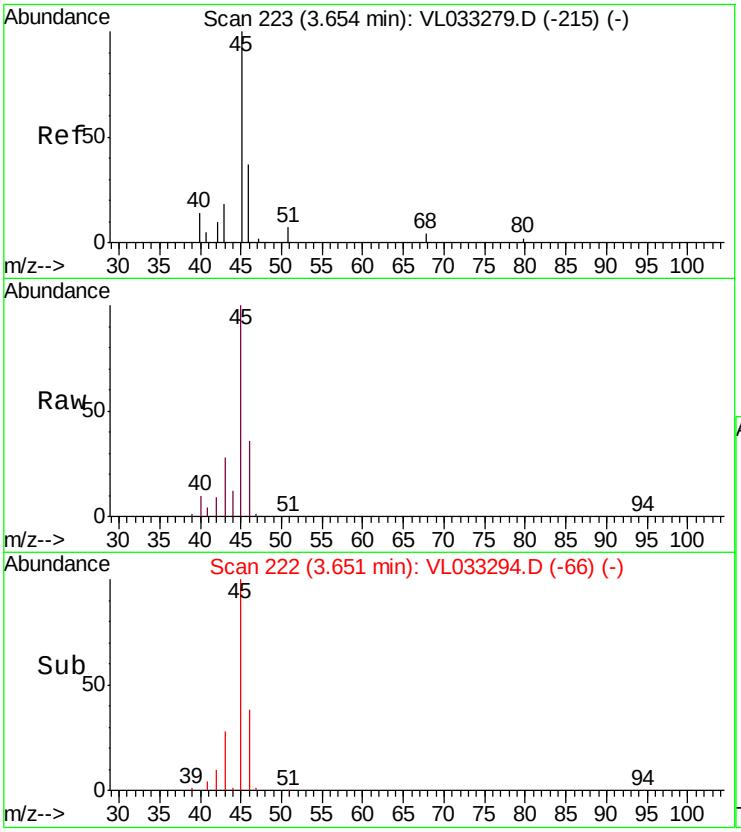


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.041 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion:101 Resp: 3822

Ion	Ratio	Lower	Upper
101	100		
151	106.1	56.9	85.3#



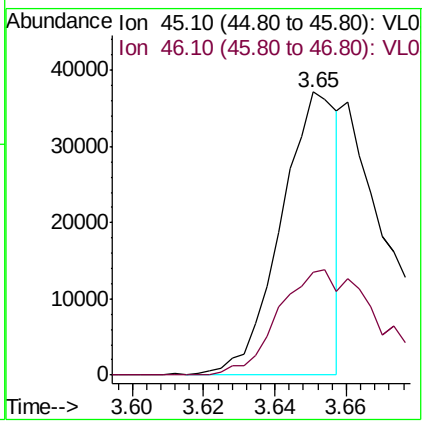


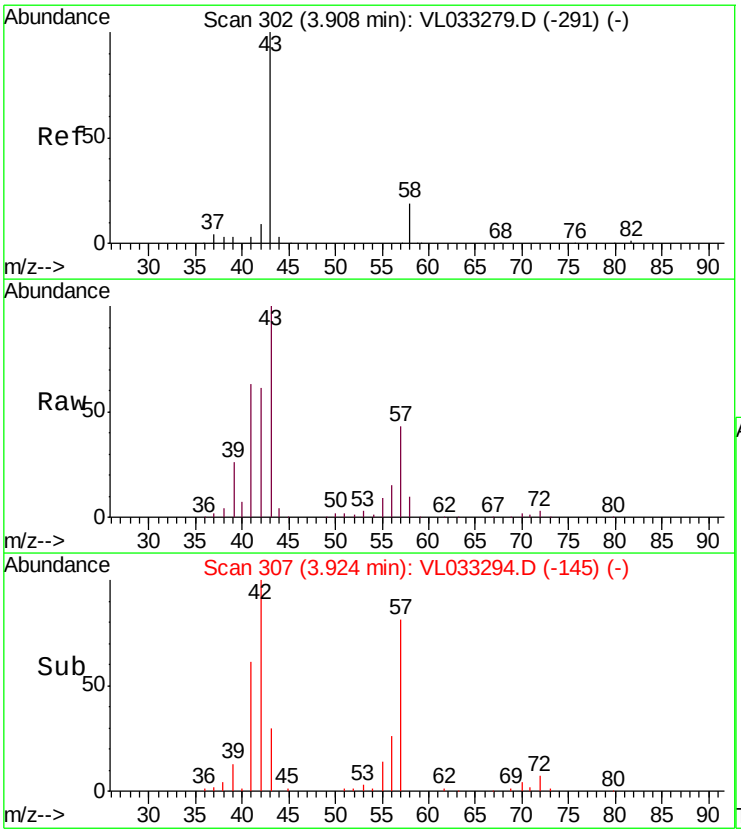
#13
Ethanol
Concen: 2.709 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 45 Resp: 40560

Ion	Ratio	Lower	Upper
45	100		
46	69.0	13.9	55.7#

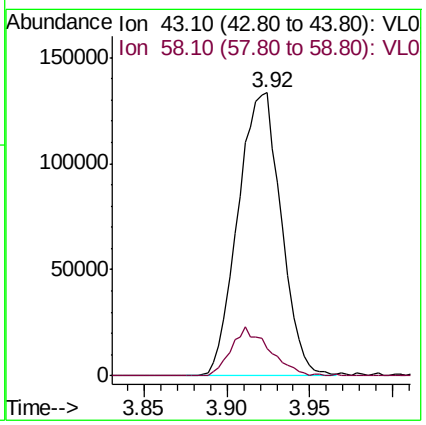


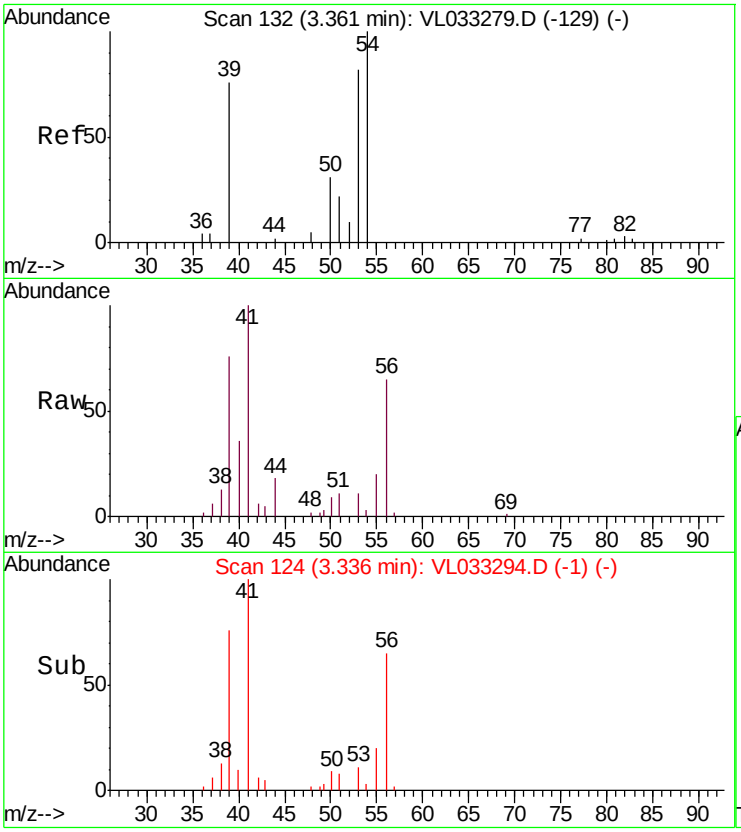


#15
Acetone
Concen: 1.945 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.02 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 43 Resp: 242160

Ion	Ratio	Lower	Upper
43	100		
58	15.5	21.1	31.7#



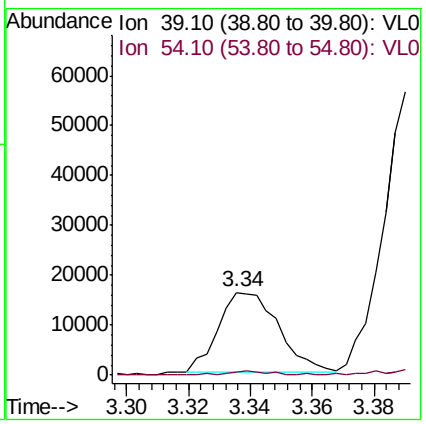


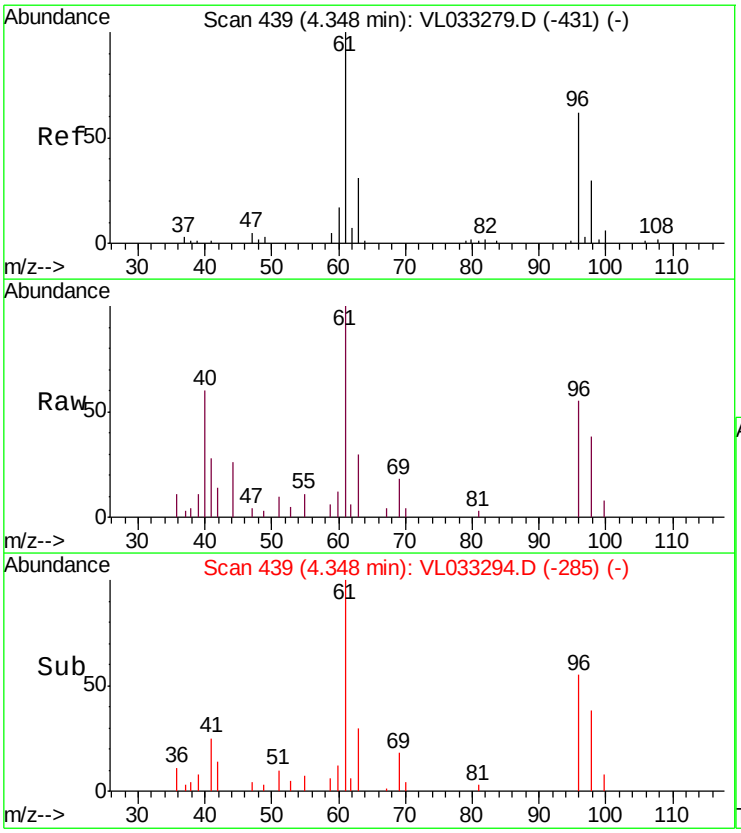
#16
1,3-Butadiene
Concen: 0.482 ppbv
RT: 3.34 min Scan# 124
Delta R.T. -0.03 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 39 Resp: 21669

Ion	Ratio	Lower	Upper
39	100		
54	4.7	76.6	114.8#

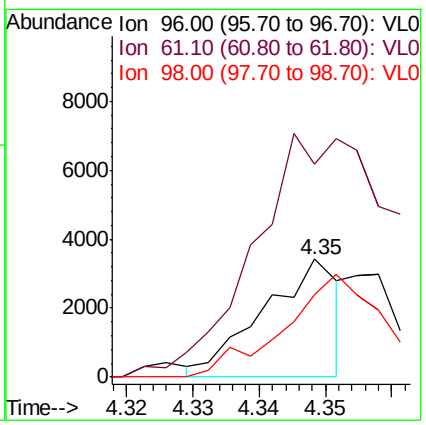


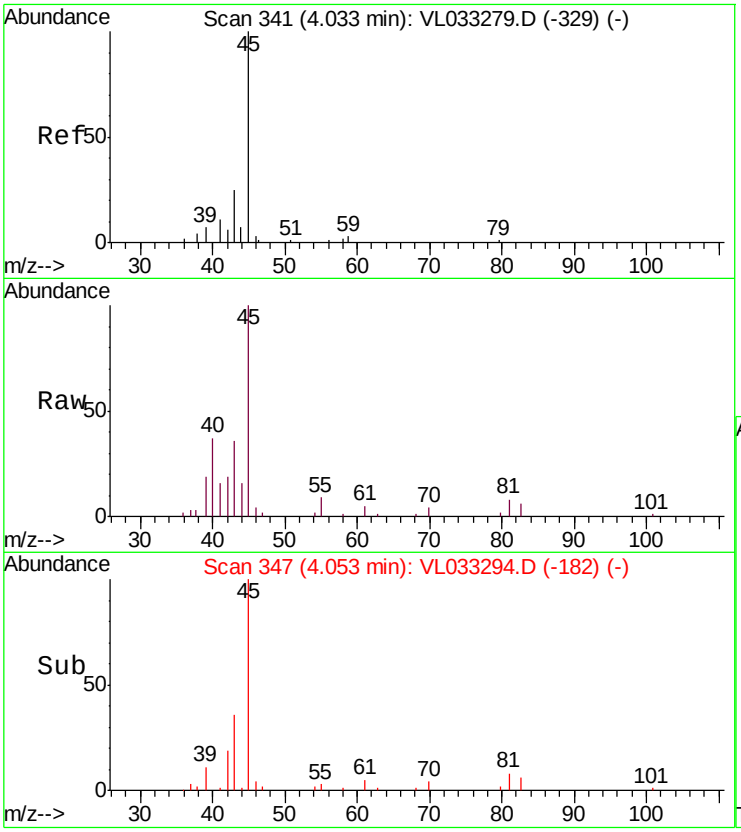


#18
1,1-Dichloroethene
Concen: 0.066 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 96 Resp: 2694

Ion	Ratio	Lower	Upper
96	100		
61	175.8	158.9	238.3
98	76.4	52.4	78.6



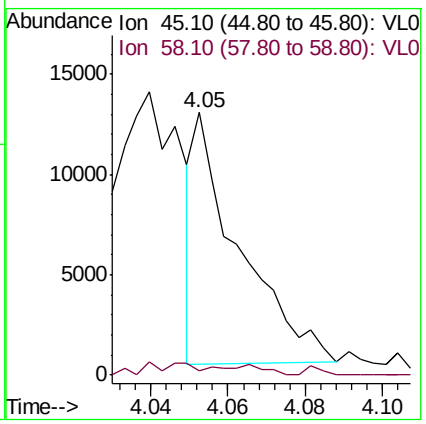


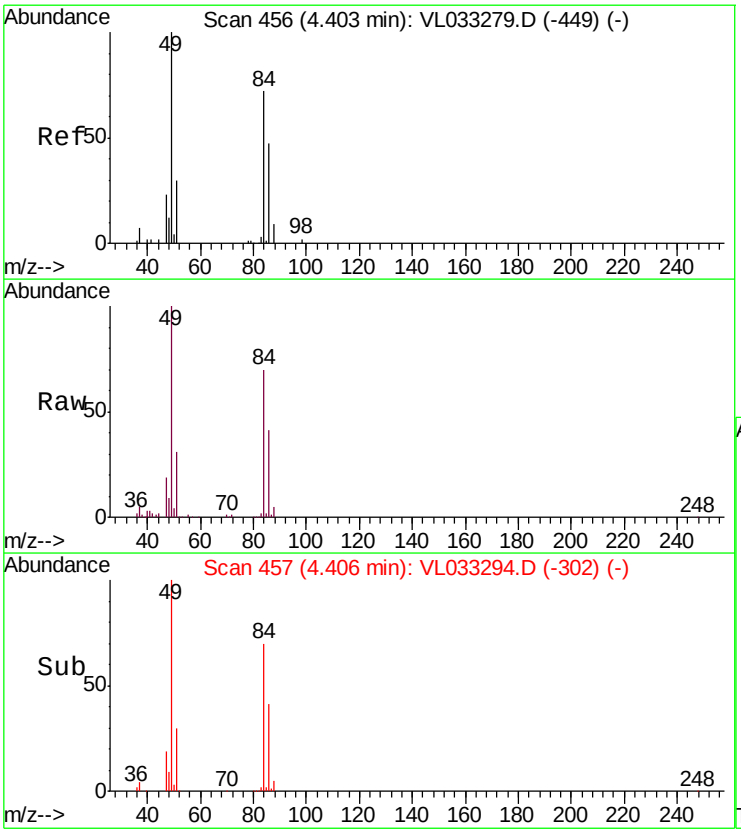
#19
Isopropyl Alcohol
Concen: 0.134 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.03 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 45 Resp: 10082

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

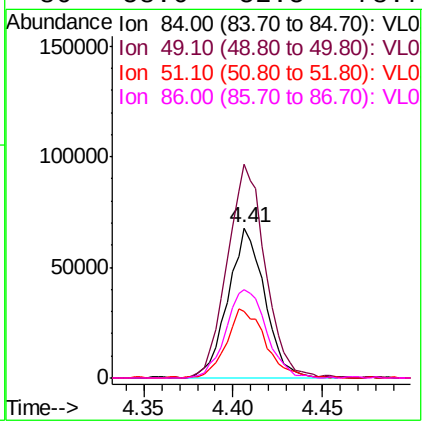


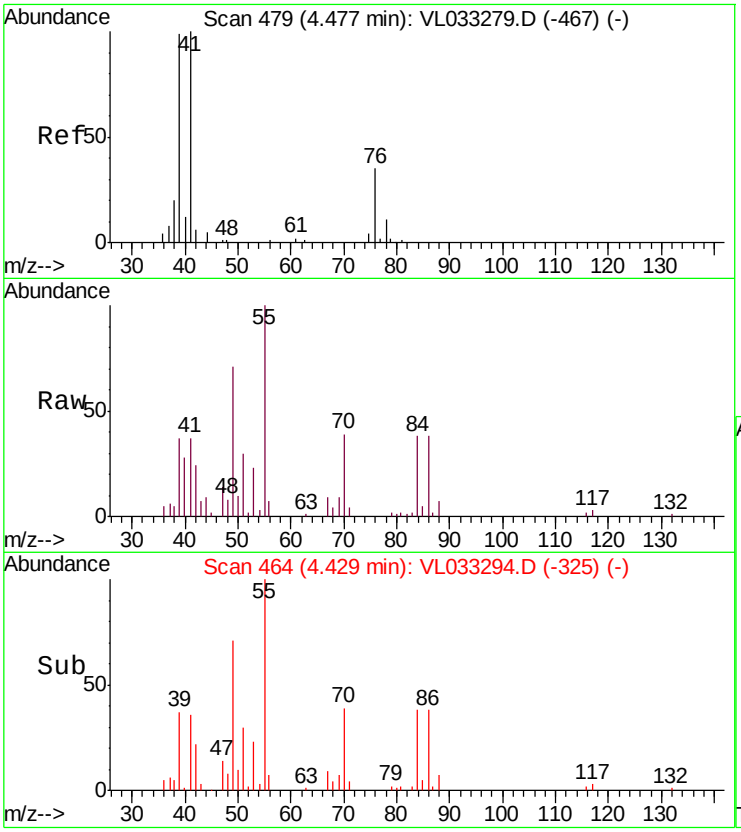


#20
Methylene Chloride
Concen: 2.354 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 84 Resp: 97432

Ion	Ratio	Lower	Upper
84	100		
49	141.8	120.3	180.5
51	44.3	36.2	54.4
86	58.6	52.5	78.7



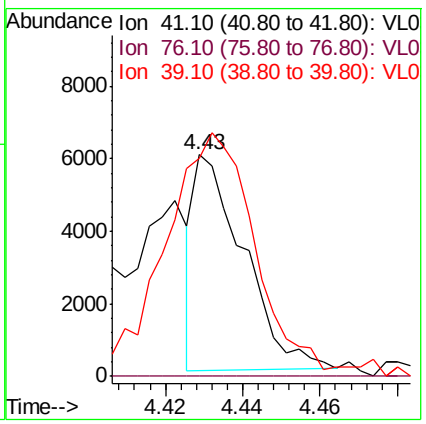


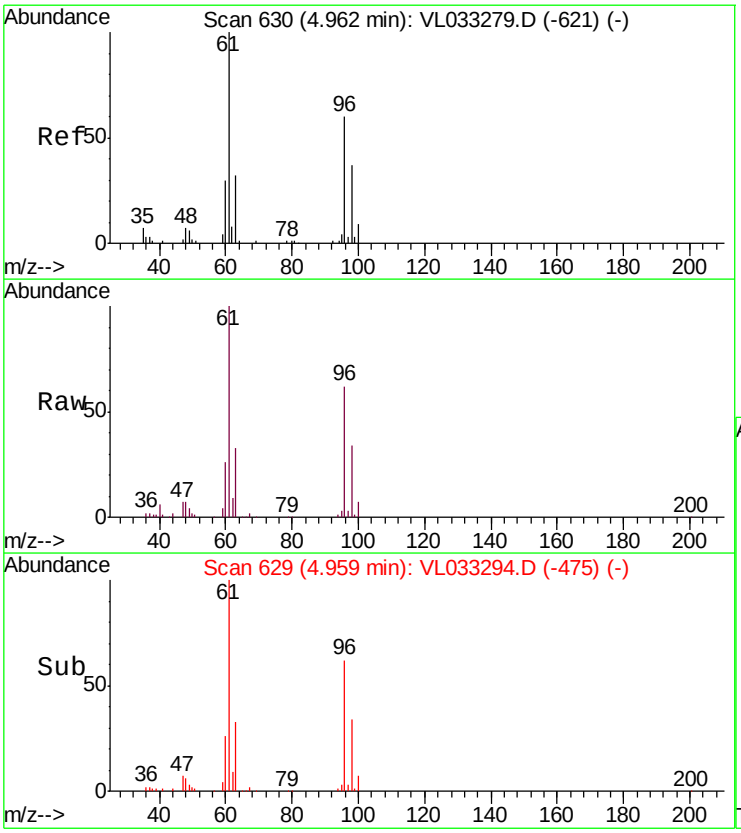
#21
Allyl Chloride
Concen: 0.085 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.05 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 41 Resp: 5230

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.4#
39	213.1	64.2	96.4#

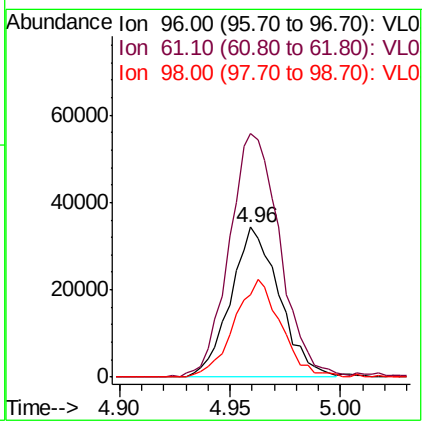


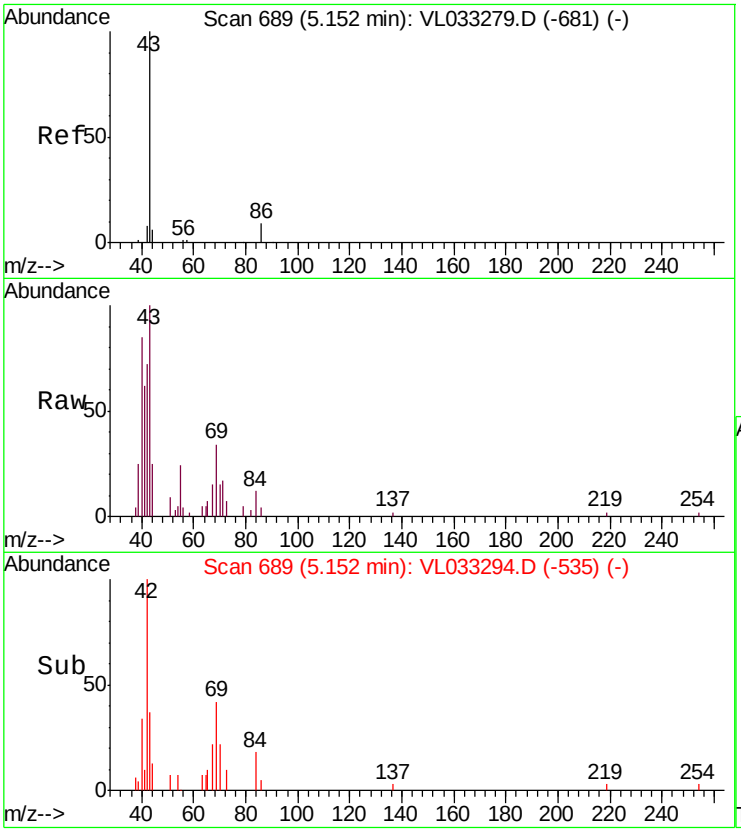


#22
trans-1,2-Dichloroethene
Concen: 1.200 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 96 Resp: 52579

Ion	Ratio	Lower	Upper
96	100		
61	160.0	131.6	197.4
98	55.1	54.1	81.1



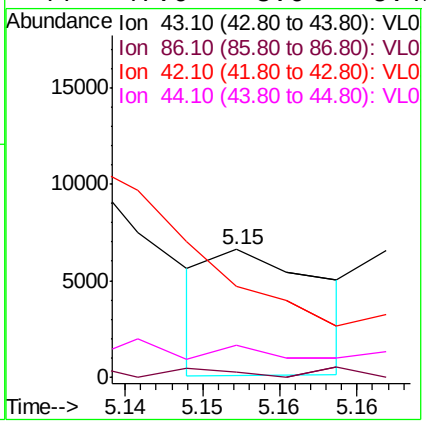


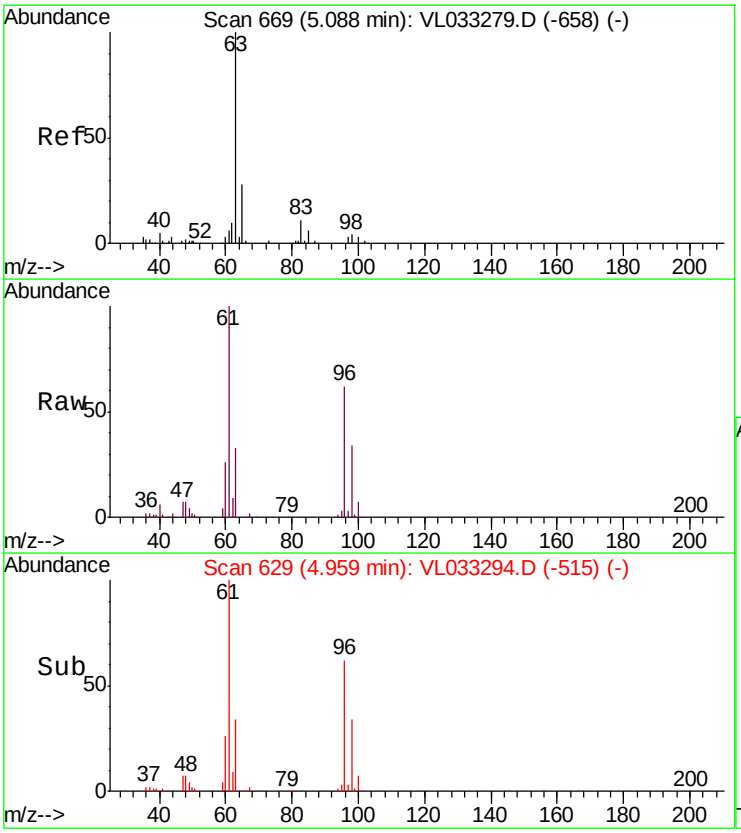
#23
Vinyl Acetate
Concen: 0.021 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 43 Resp: 3242

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	134.4	7.8	11.6#
44	47.6	3.6	5.4#

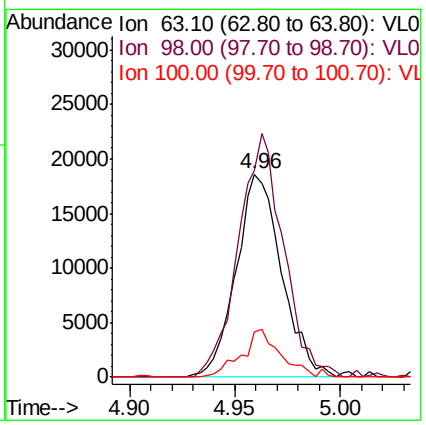


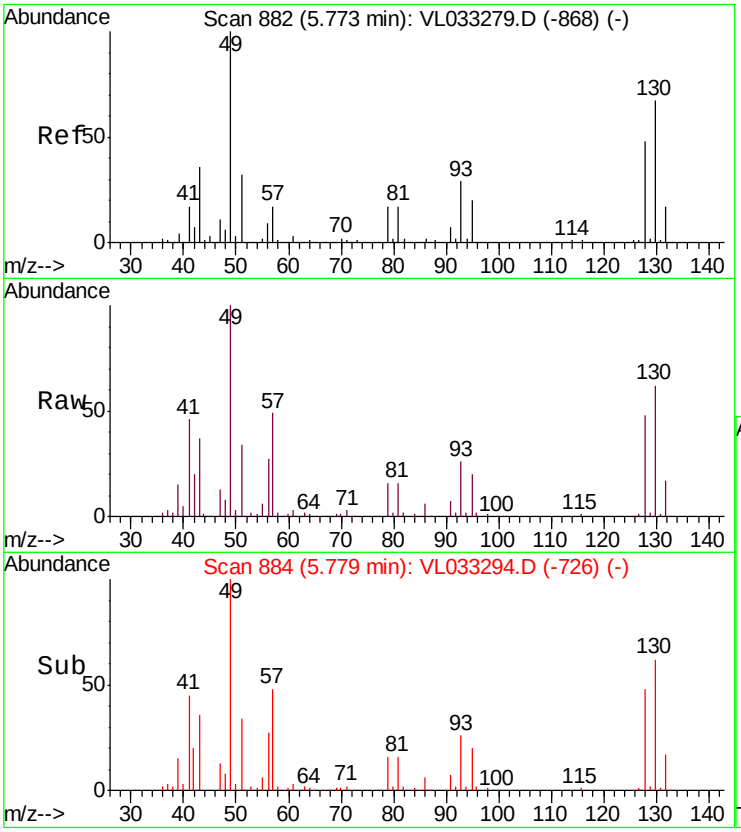


#24
1,1-Dichloroethane
Concen: 0.247 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.13 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 63 Resp: 27909

Ion	Ratio	Lower	Upper
63	100		
98	101.5	2.2	6.6#
100	22.3	1.5	4.4#



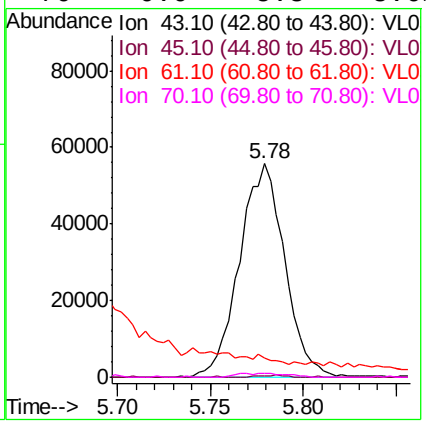


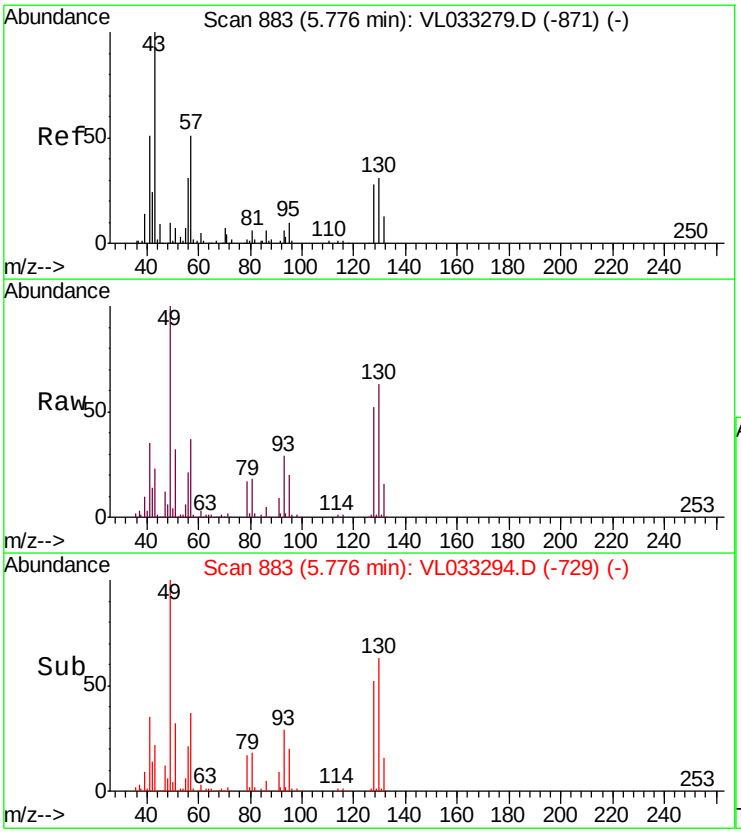
#25
Ethyl Acetate
Concen: 0.490 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 43 Resp: 93905

Ion	Ratio	Lower	Upper
43	100		
45	0.5	7.8	11.6#
61	0.0	7.3	10.9#
70	0.0	5.8	8.6#

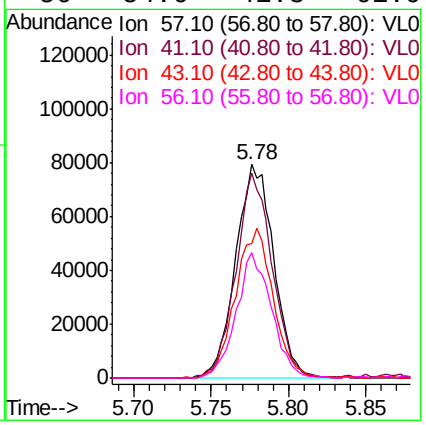


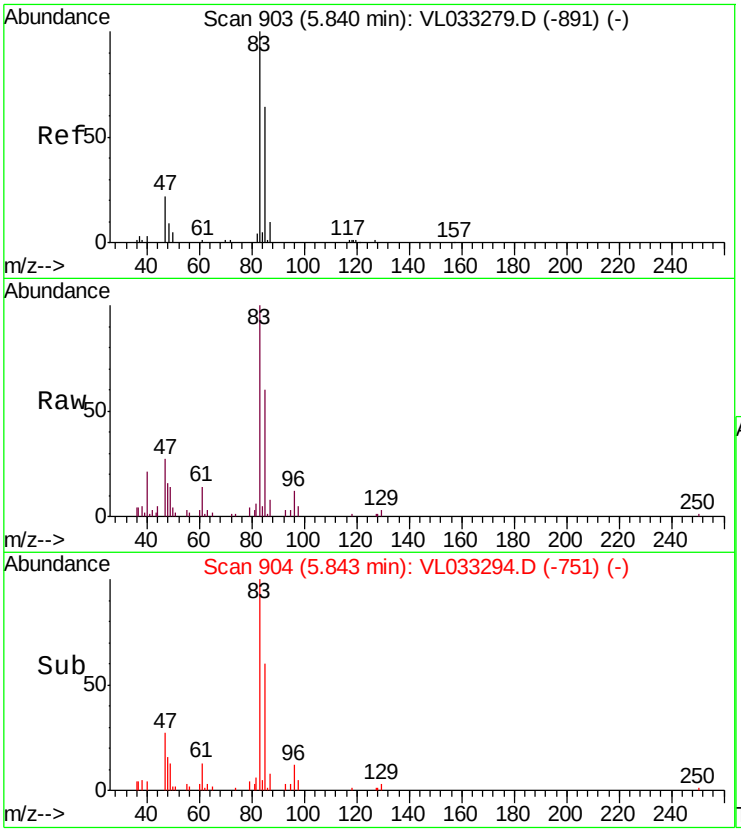


#26
Hexane
Concen: 1.501 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 57 Resp: 135186

Ion	Ratio	Lower	Upper
57	100		
41	92.5	70.7	106.1
43	70.0	178.6	267.8#
56	54.6	41.3	61.9



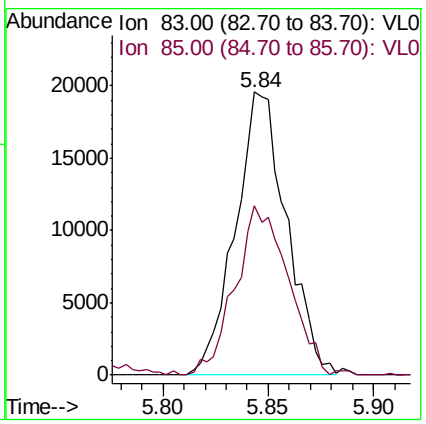


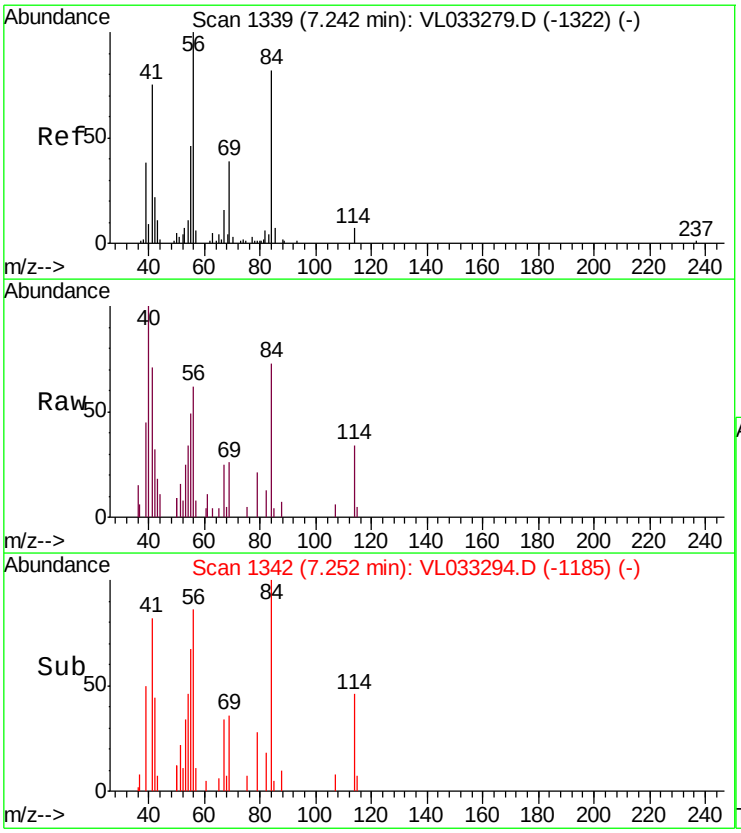
#29
Chloroform
Concen: 0.241 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 83 Resp: 32976

Ion	Ratio	Lower	Upper
83	100		
85	59.9	52.5	78.7

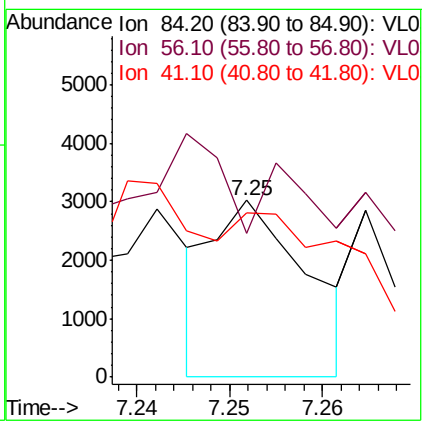


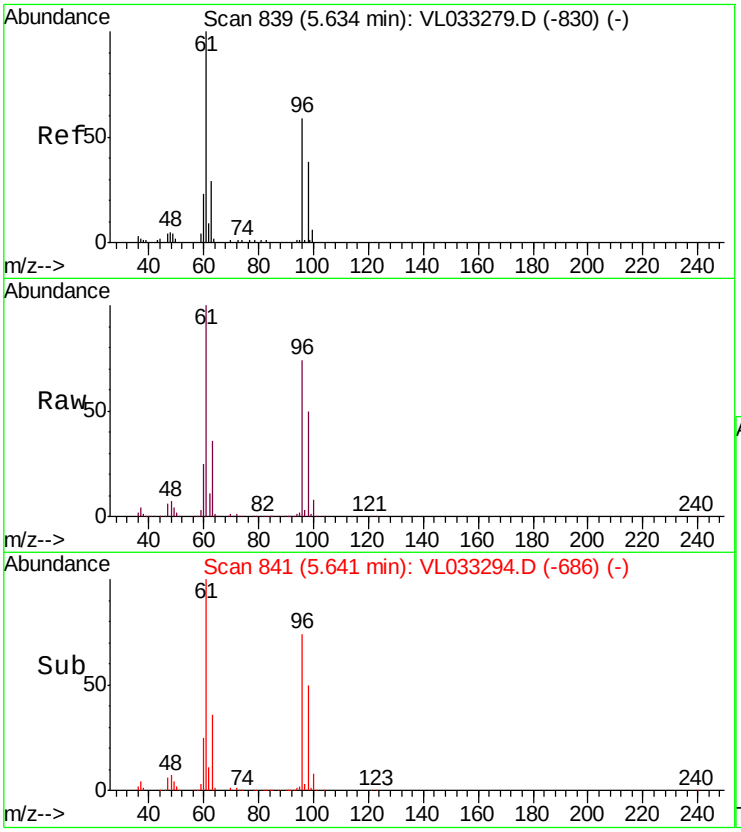


#30
Cyclohexane
Concen: 0.031 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 84 Resp: 2134

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.0	168.0#
41	0.0	69.9	104.9#



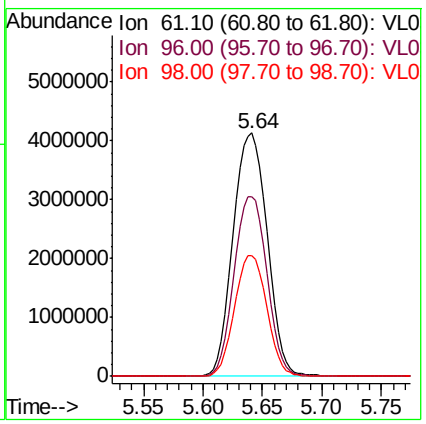


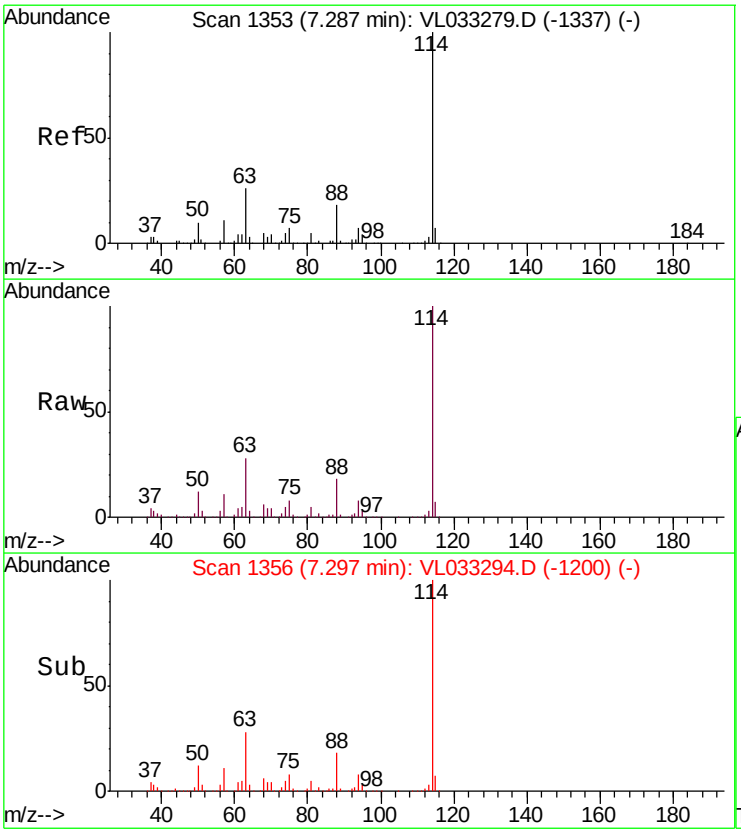
#31
cis-1,2-Dichloroethene
Concen: 95.549 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 61 Resp: 8247460

Ion	Ratio	Lower	Upper
61	100		
96	73.9	51.8	77.8
98	49.7	32.9	49.3#

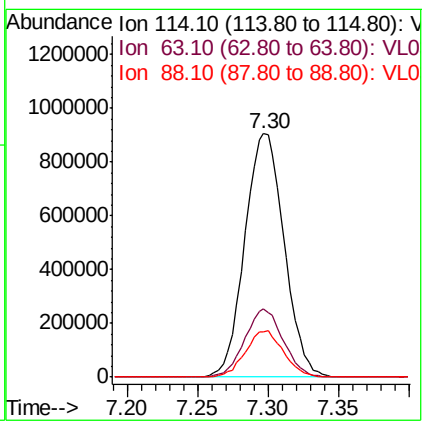


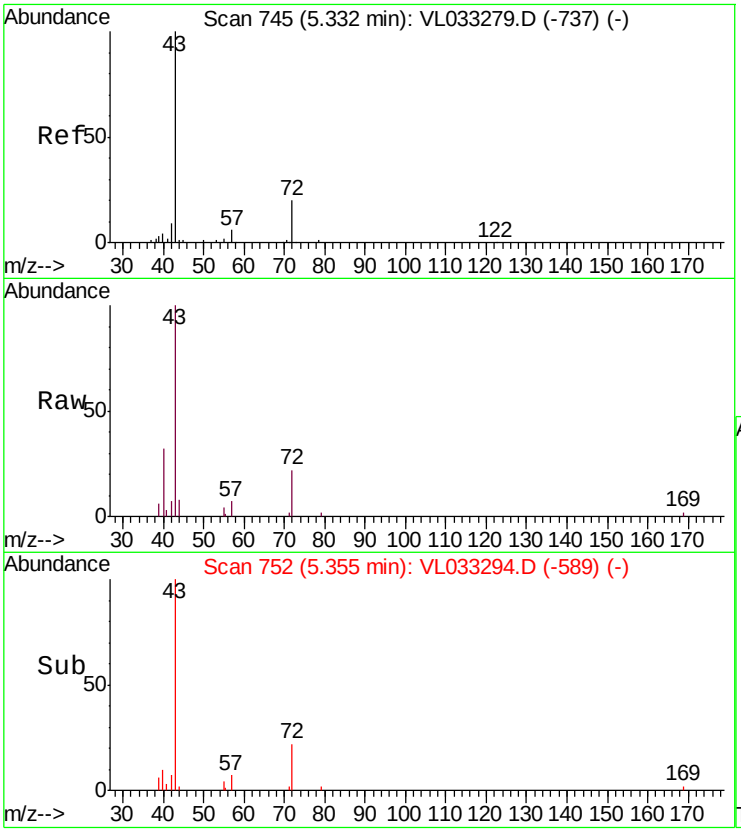


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion:114 Resp: 1768387

Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.5	32.3
88	18.4	14.6	22.0



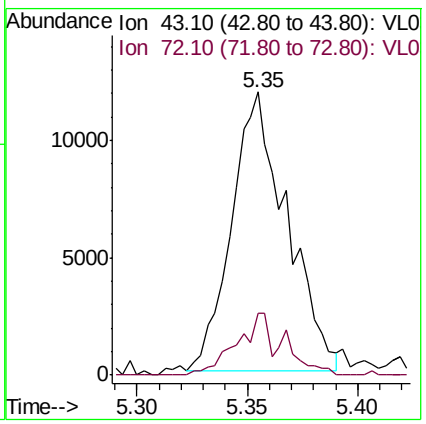


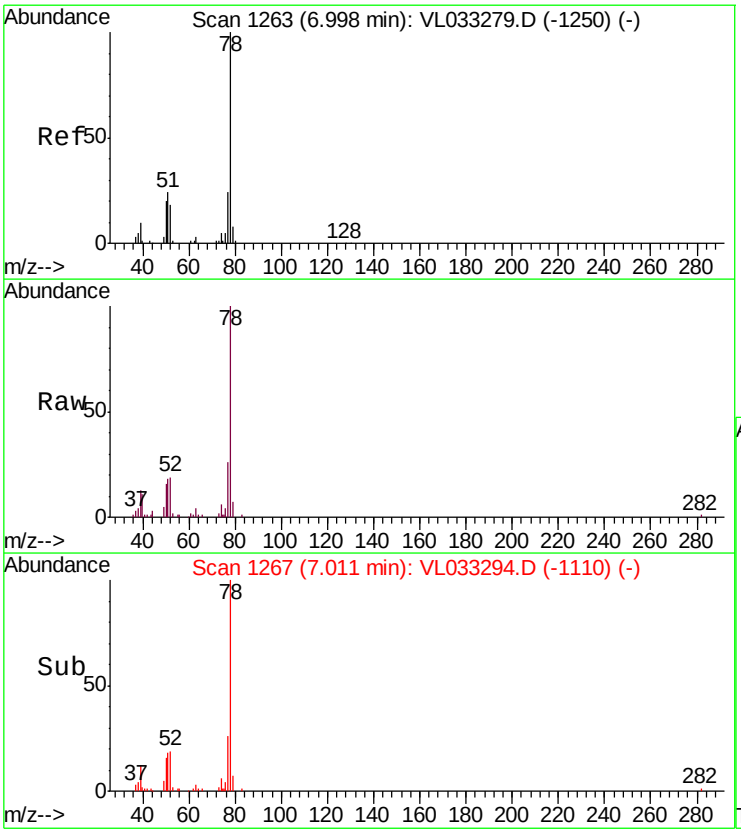
#34
2-Butanone
Concen: 0.177 ppbv
RT: 5.35 min Scan# 752
Delta R.T. 0.02 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 43 Resp: 20687

Ion	Ratio	Lower	Upper
43	100		
72	18.4	17.0	25.6

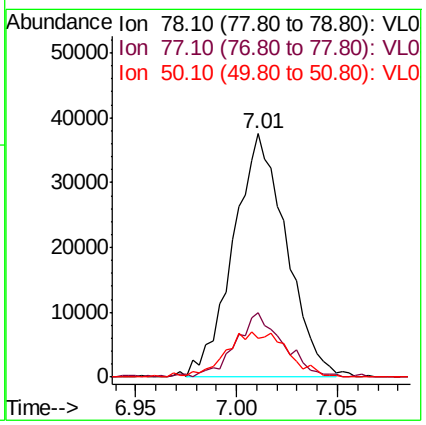


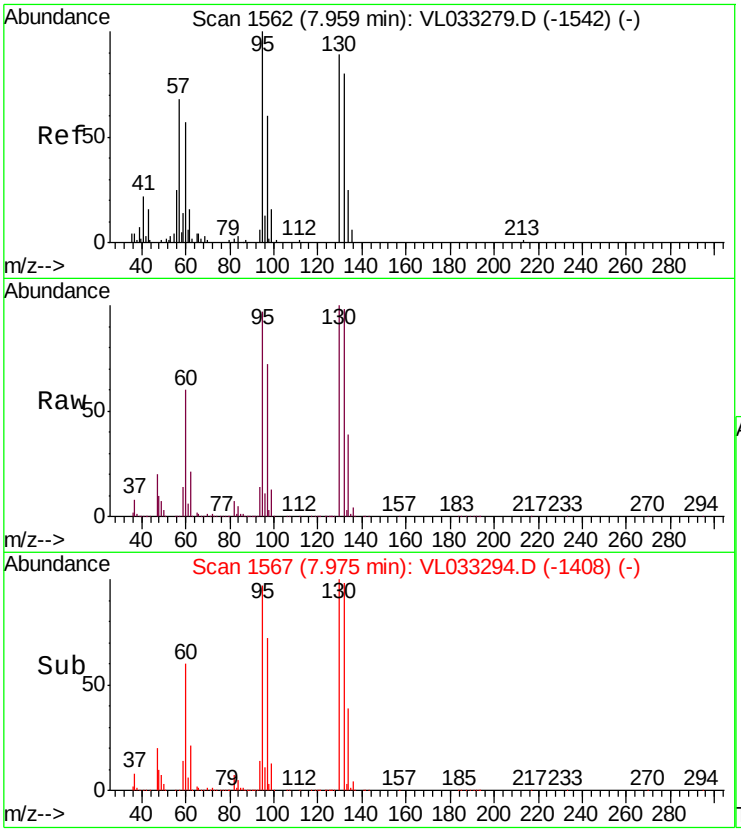


#36
Benzene
Concen: 0.423 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 78 Resp: 68949

Ion	Ratio	Lower	Upper
78	100		
77	25.2	17.7	26.5
50	15.3	15.7	23.5#



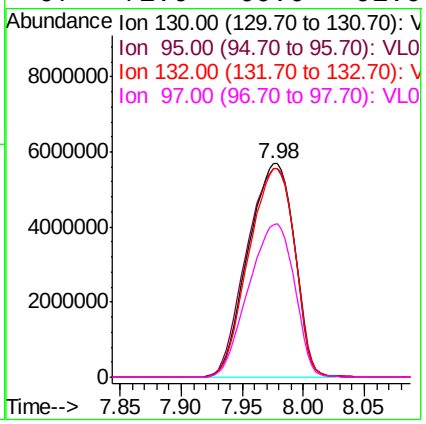


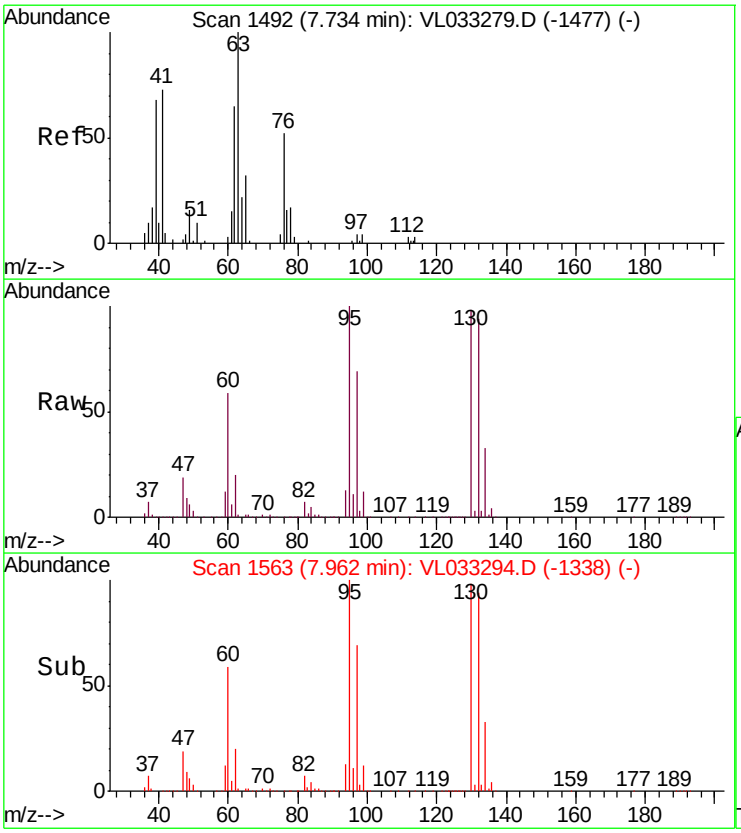
#38
Trichloroethene
Concen: 235.961 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion:130 Resp:15000802

Ion	Ratio	Lower	Upper
130	100		
95	97.4	93.3	139.9
132	98.0	75.4	113.2
97	71.6	60.6	91.0

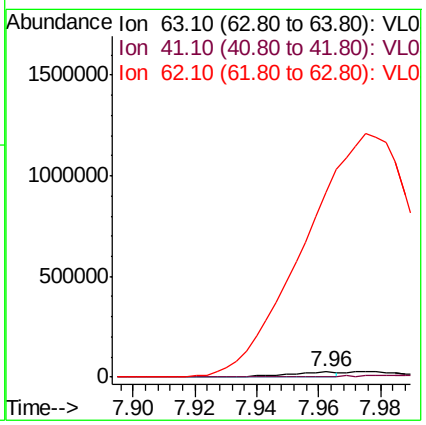


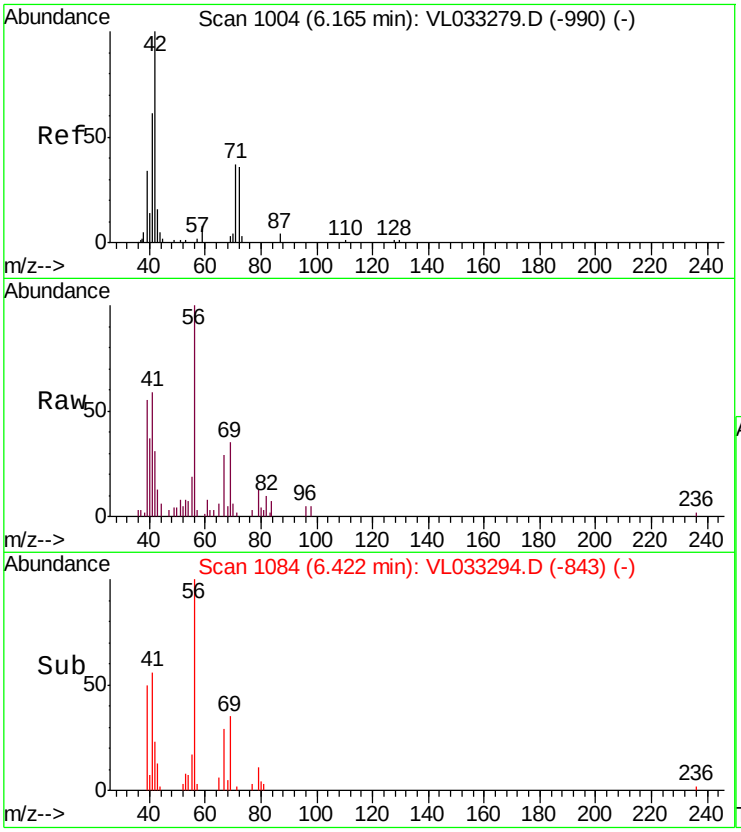


#39
1,2-Dichloropropane
Concen: 0.475 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.22 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 63 Resp: 29163

Ion	Ratio	Lower	Upper
63	100		
41	11.9	58.3	87.5#
62	3604.0	55.3	82.9#



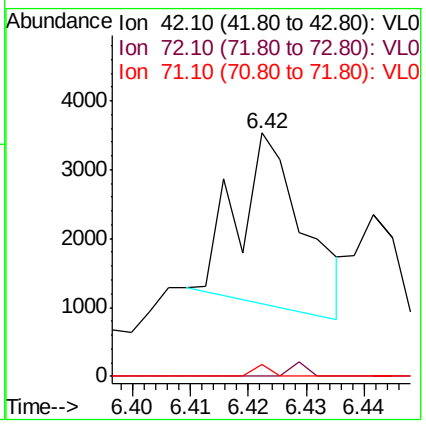


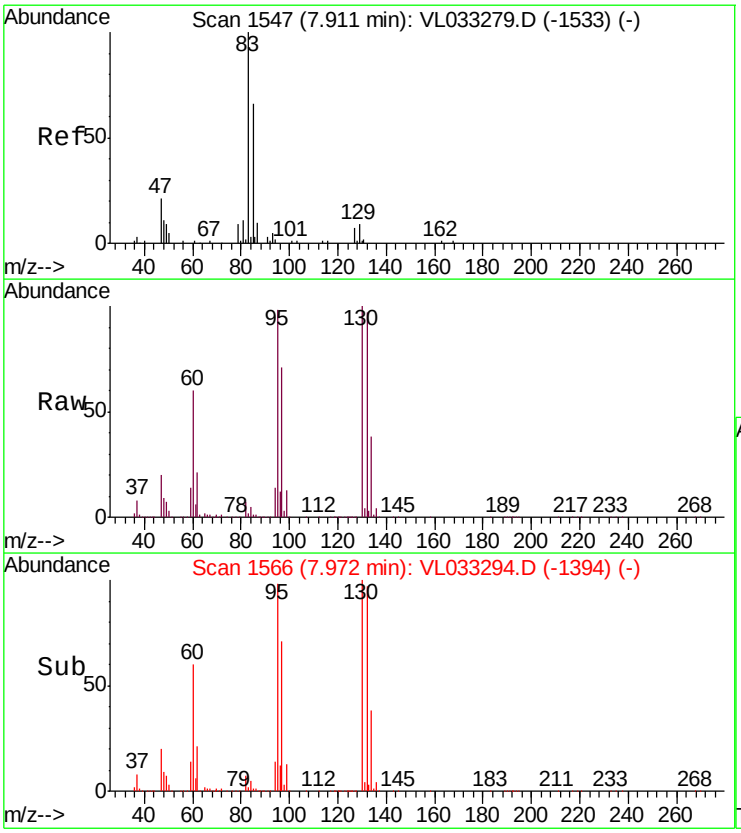
#41
Tetrahydrofuran
Concen: 0.030 ppbv
RT: 6.42 min Scan# 1084
Delta R.T. 0.27 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 42 Resp: 1935

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.6	46.0#
71	0.0	29.7	44.5#

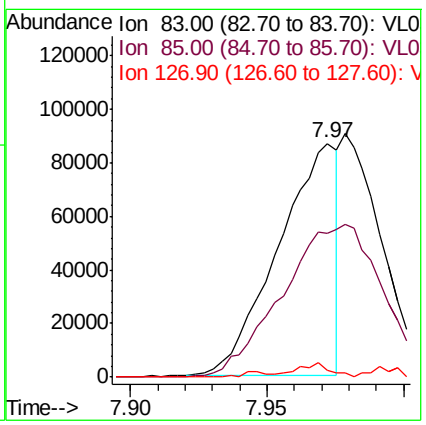


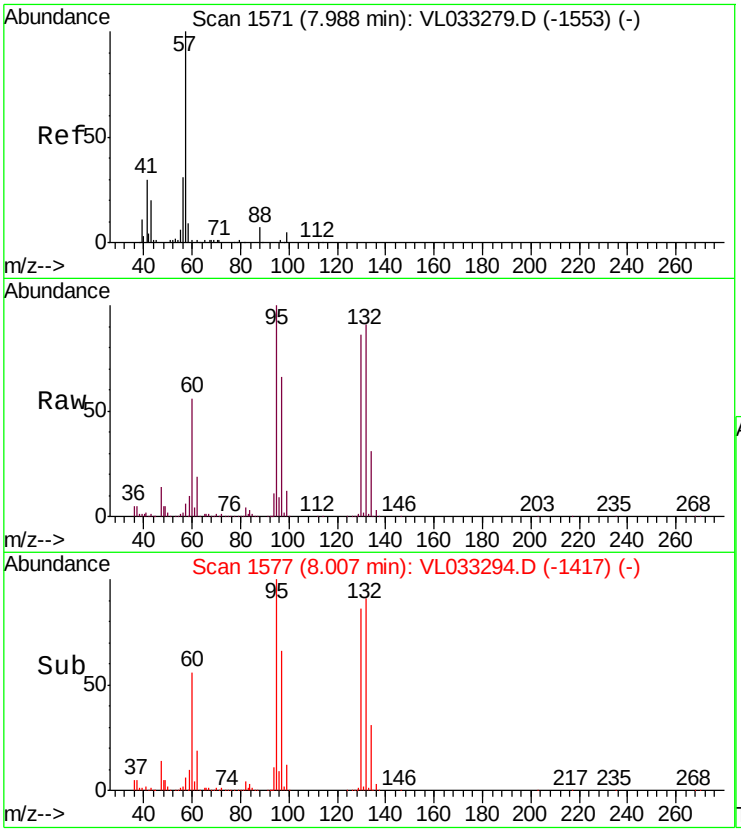


#42
Bromodichloromethane
Concen: 0.974 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.05 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 83 Resp: 131143

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.0	76.4
127	7.9	6.0	9.0



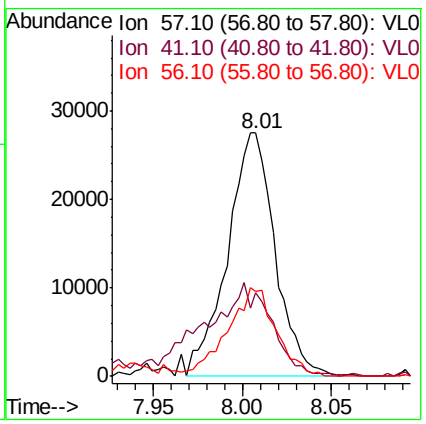


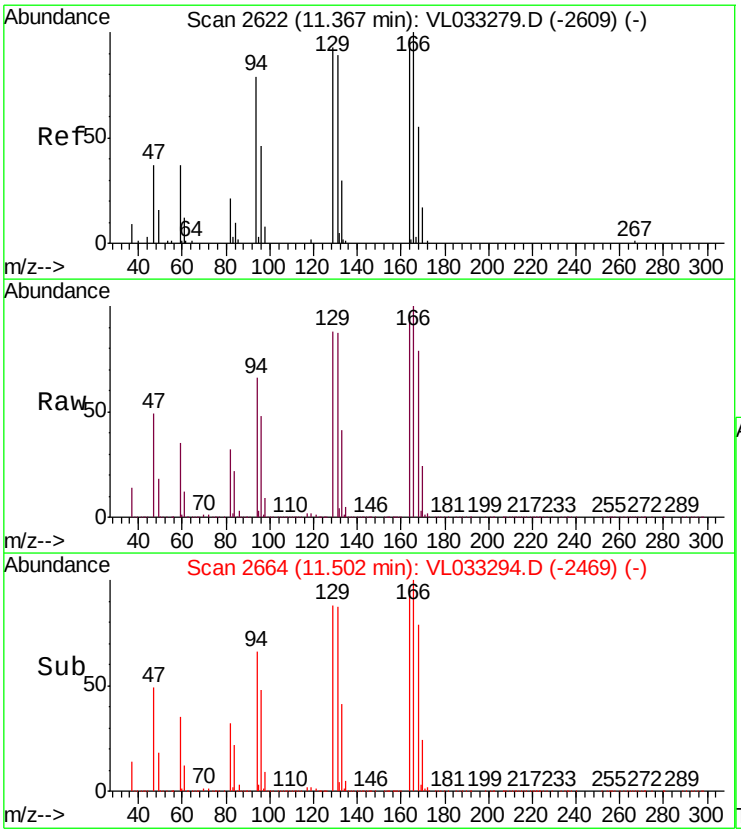
#44
2,2,4-Trimethylpentane
Concen: 0.184 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion: 57 Resp: 51042

Ion	Ratio	Lower	Upper
57	100		
41	62.4	26.2	39.2#
56	37.2	24.8	37.2

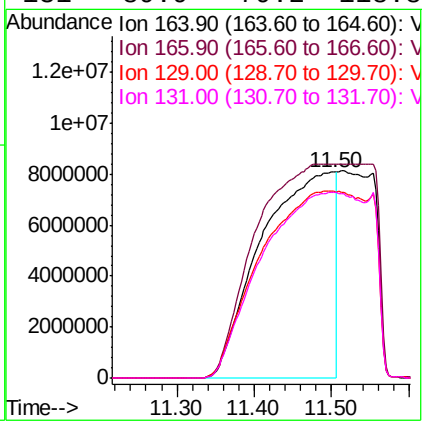


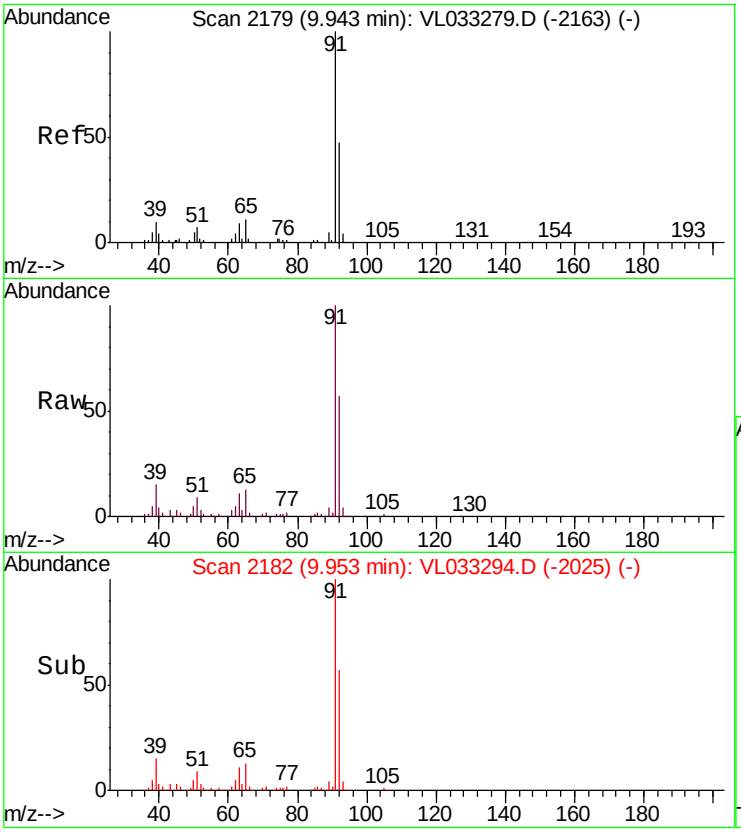


#52
Tetrachloroethene
Concen: 882.760 ppbv
RT: 11.50 min Scan# 2664
Delta R.T. 0.13 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion:164 Resp:52775114

Ion	Ratio	Lower	Upper
164	100		
166	103.7	100.8	151.2
129	90.9	80.6	121.0
131	89.9	79.2	118.8



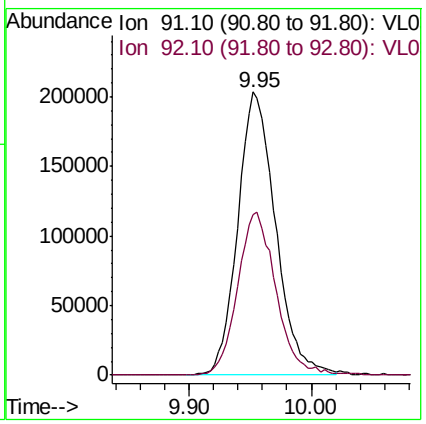


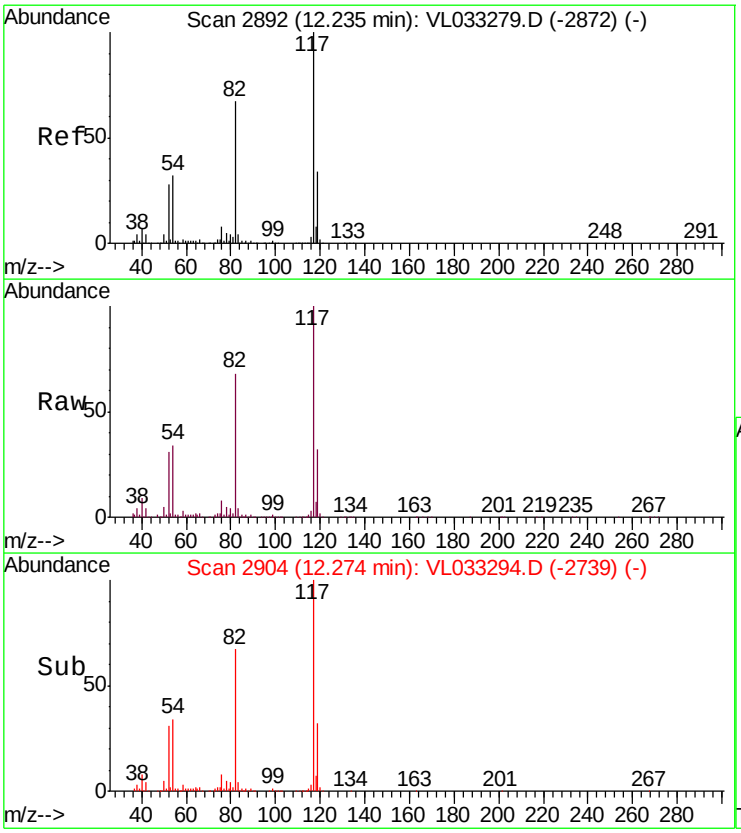
#53
Toluene
Concen: 2.314 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 91 Resp: 435013

Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.8	71.8

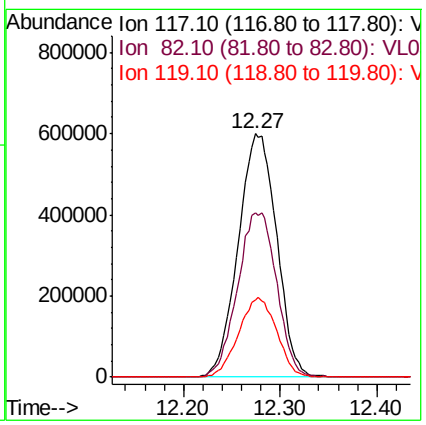


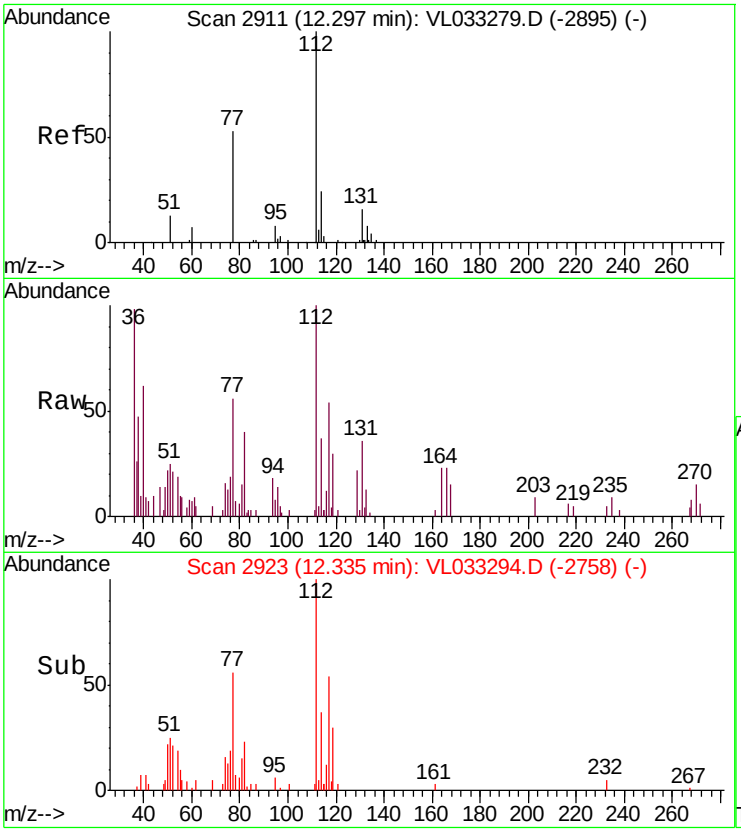


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. 0.03 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion:117 Resp: 1655597

Ion	Ratio	Lower	Upper
117	100		
82	69.2	51.1	76.7
119	32.3	43.6	65.4#



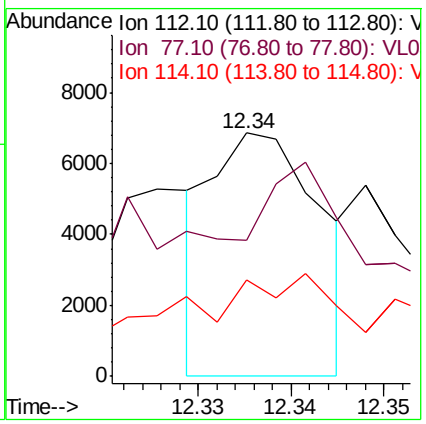


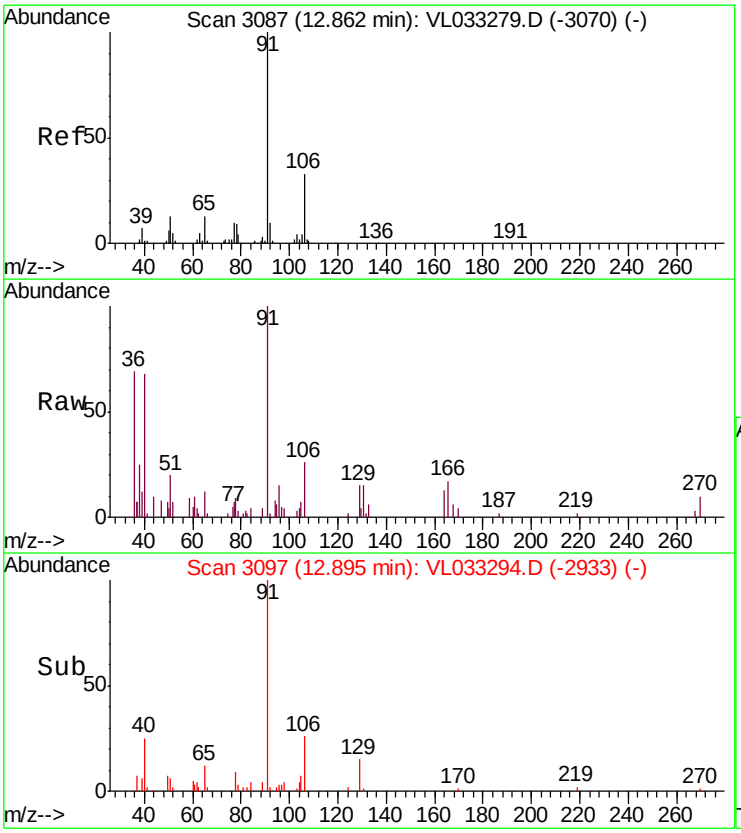
#57
Chlorobenzene
Concen: 0.044 ppbv
RT: 12.34 min Scan# 2923
Delta R.T. 0.03 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument :
MSVOA_L
ClientSampleId :
ST-SS-2

Tgt Ion:112 Resp: 5542

Ion	Ratio	Lower	Upper
112	100		
77	0.0	55.8	83.8#
114	24.8	29.5	36.1#

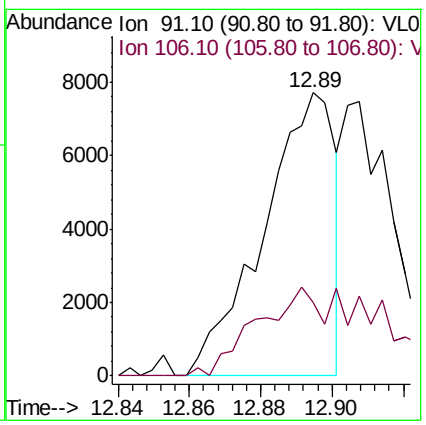


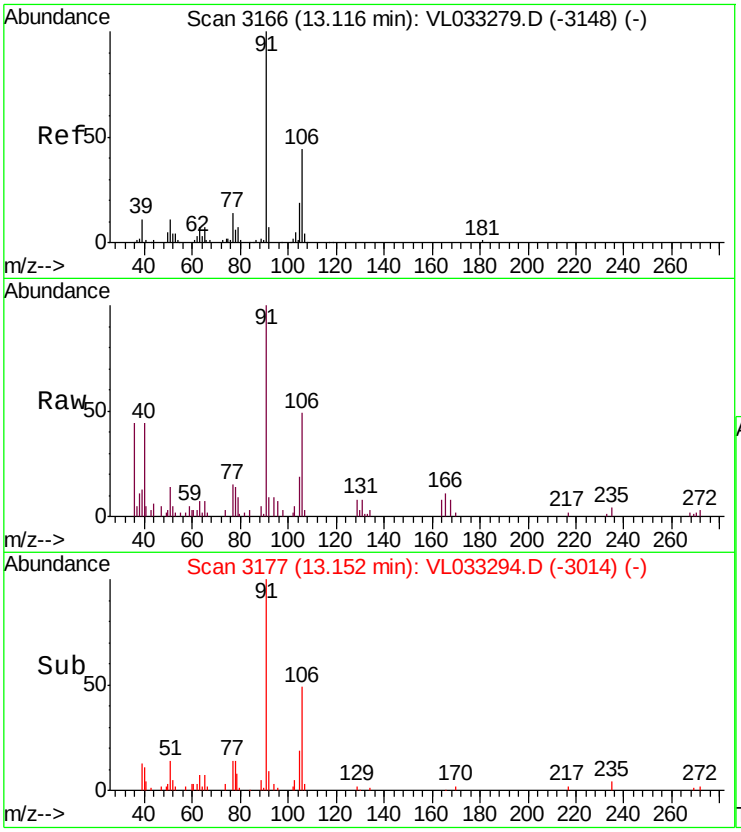


#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 12.89 min Scan# 3097
Delta R.T. 0.03 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 91 Resp: 10684

Ion	Ratio	Lower	Upper
91	100		
106	25.3	22.5	33.7



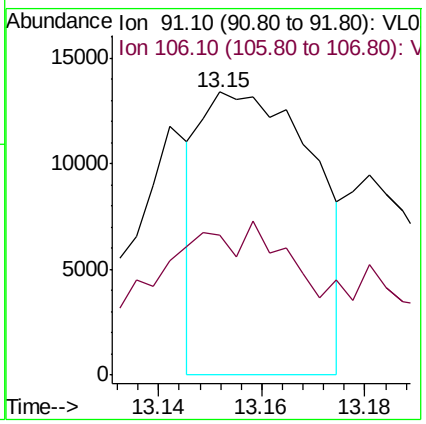


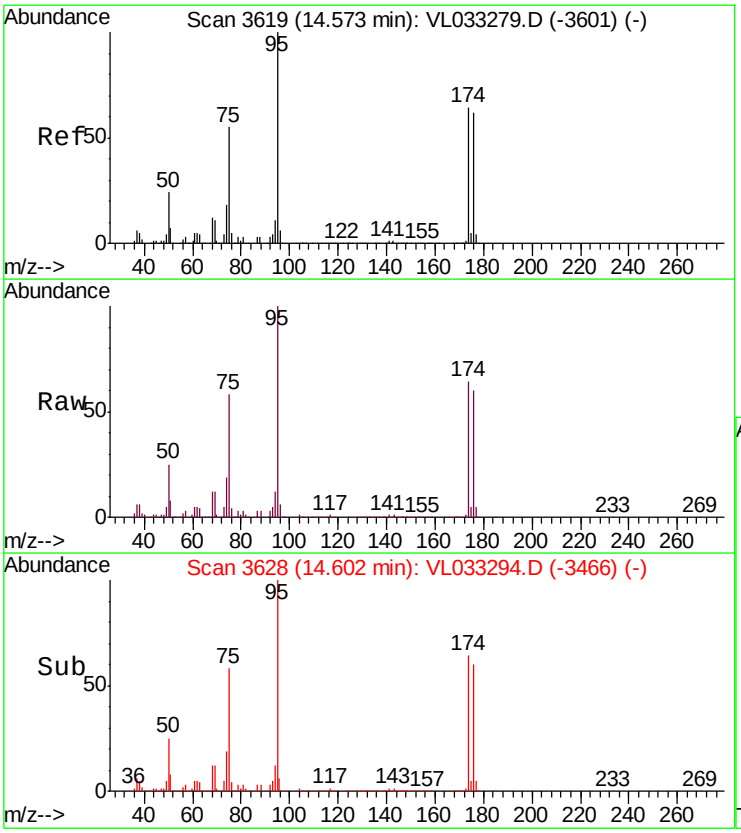
#59
m/p-Xylene
Concen: 0.107 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Instrument : MSVOA_L
ClientSampleId : ST-SS-2

Tgt Ion: 91 Resp: 20387

Ion	Ratio	Lower	Upper
91	100		
106	109.4	35.5	53.3#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.564 ppbv
RT: 14.60 min Scan# 3628
Delta R.T. 0.02 min
Lab File: VL033294.D
Acq: 12 Mar 2019 22:19

Tgt Ion: 95 Resp: 1350565

Ion	Ratio	Lower	Upper
95	100		
174	64.0	51.7	77.5
175	4.7	3.7	5.5