Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033741.D
Acq On : 22 May 2019 12:10
Operator : SY/AP
Sample : VL0522ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Quant Time: May 23 04:18:44 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	991362	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2632958	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	3338949	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2221093	8.21	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	1631422	7.809	ppbv		99
3) Chlorodifluoromethane	3.01	51	1085285	9.557	ppbv		97
4) Chloromethane	3.17	50	630672	9.710	ppbv		99
5) Vinyl Chloride	3.29	62	636411	9.619	ppbv		95
6) Bromomethane	3.51	94	405908	10.055	ppbv		99
7) Chloroethane	3.59	64	240320	10.221	ppbv		94
8) Dichlorotetrafluoroethane	3.21	85	1648011	9.784	ppbv		99
9) Propene	3.03	41	462162	9.569	ppbv		100
10) Heptane	8.24	43	1425255	10.420	ppbv		100
11) Trichlorofluoromethane	4.00	101	1959259	9.826	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1311636	9.420	ppbv		99
13) Ethanol	3.64	45	88750	5.685	ppbv		97
14) Bromoethene	3.78	108	530685	10.367	ppbv		99
15) Acetone	3.89	43	1192429	8.669	ppbv		100
16) 1,3-Butadiene	3.36	39	568303	10.375	ppbv		99
17) tert-Butyl alcohol	4.35	59	1129702	10.157	ppbv		100
18) 1,1-Dichloroethene	4.35	96	581733	9.898	ppbv		98
19) Isopropyl Alcohol	4.02	45	798451	9.003	ppbv	#	99
20) Methylene Chloride	4.40	84	491838	9.287	ppbv		99
21) Allyl Chloride	4.47	41	845420	9.854	ppbv		99
22) trans-1,2-Dichloroethene	4.96	96	594113	9.862	ppbv		94
23) Vinyl Acetate	5.15	43	1824267	10.059	ppbv		99
24) 1,1-Dichloroethane	5.08	63	1301642	9.442	ppbv		99
25) Ethyl Acetate	5.76	43	2255248	9.334	ppbv		100
26) Hexane	5.77	57	978811	9.423	ppbv		97
27) Carbon Disulfide	4.61	76	1467548	10.298	ppbv		99
28) Methyl tert-Butyl Ether	5.10	73	1657970	9.791	ppbv		99
29) Chloroform	5.84	83	1712522	8.950	ppbv		99
30) Cyclohexane	7.24	84	963036	11.028	ppbv		99
31) cis-1,2-Dichloroethene	5.63	61	1017319	9.877	ppbv		98
32) 1,1,1-Trichloroethane	6.61	97	2031290	10.632	ppbv		99
34) 2-Butanone	5.32	43	1447745	8.871	ppbv		100
35) Carbon Tetrachloride	7.12	117	2177133	10.322	ppbv		97
36) Benzene	7.00	78	2328044	9.720	ppbv		99
37) 1,2-Dichloroethane	6.41	62	1513873	9.799	ppbv		99
38) Trichloroethene	7.95	130	950020	10.690	ppbv		94
39) 1,2-Dichloropropane	7.73	63	853289	9.556	ppbv		99
40) 1,4-Dioxane	7.94	88	317912	8.511	ppbv	#	97
41) Tetrahydrofuran	6.14	42	800517	8.754	ppbv		99
42) Bromodichloromethane	7.91	83	2107570	9.964	ppbv		94
43) Methyl Methacrylate	8.13	69	918040	10.415	ppbv		99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033741.D
Acq On : 22 May 2019 12:10
Operator : SY/AP
Sample : VL0522ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Quant Time: May 23 04:18:44 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)
44) 2,2,4-Trimethylpentane	7.98	57	3861622	9.540	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	1245098	11.142	ppbv		95
46) cis-1,3-Dichloropropene	8.83	75	1409788	10.775	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	971068	9.573	ppbv		97
48) Dibromochloromethane	10.44	129	1789699	10.182	ppbv		99
49) Bromoform	13.19	173	1659702	11.222	ppbv		100
50) 4-Methyl-2-Pentanone	8.86	43	2466839	9.827	ppbv		99
51) 2-Hexanone	10.26	43	2039698	10.411	ppbv	#	100
52) Tetrachloroethene	11.36	164	881844	10.474	ppbv		97
53) Toluene	9.94	91	2703371	10.465	ppbv		99
54) 1,2-Dibromoethane	10.75	107	1530936	9.889	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.27	131	1235329	7.995	ppbv		97
57) Chlorobenzene	12.29	112	2131812	7.756	ppbv		99
58) Ethyl Benzene	12.86	91	3789563	8.571	ppbv		99
59) m/p-Xylene	13.14	91	3076709	7.960	ppbv	#	25
60) o-Xylene	13.84	91	3234893	8.302	ppbv		100
61) Styrene	13.68	104	2386024	9.096	ppbv		99
62) Isopropylbenzene	14.82	105	4332946	8.258	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.83	83	2273511	8.024	ppbv		100
64) n-propylbenzene	15.71	120	1133708	8.353	ppbv		99
65) tert-Butylbenzene	16.90	119	4041765	8.437	ppbv		99
66) Benzyl Chloride	17.15	91	2114466	9.267	ppbv		99
67) sec-Butylbenzene	17.45	105	5547036	8.272	ppbv		100
69) p-Isopropyltoluene	17.81	119	4612526	8.322	ppbv		99
70) n-Butylbenzene	18.71	91	4739000	7.974	ppbv		100
71) 2-Chlorotoluene	15.61	91	3295789	8.466	ppbv		100
72) 4-Ethyltoluene	15.99	105	3886727	8.724	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3692389	8.495	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	3849829	8.138	ppbv		99
75) 1,3-Dichlorobenzene	17.15	146	2205141	7.607	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	2173495	7.889	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	2122245	7.792	ppbv		100
78) Hexachloro-1,3-Butadiene	23.53	225	1393504	6.767	ppbv		100
79) Naphthalene	22.40	128	3010170	6.851	ppbv		99
80) Naphthalene,2-methyl-	25.10	142	945789	5.665	ppbv		96
81) 1,2,4-Trichlorobenzene	22.13	180	1717143	6.674	ppbv		99

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

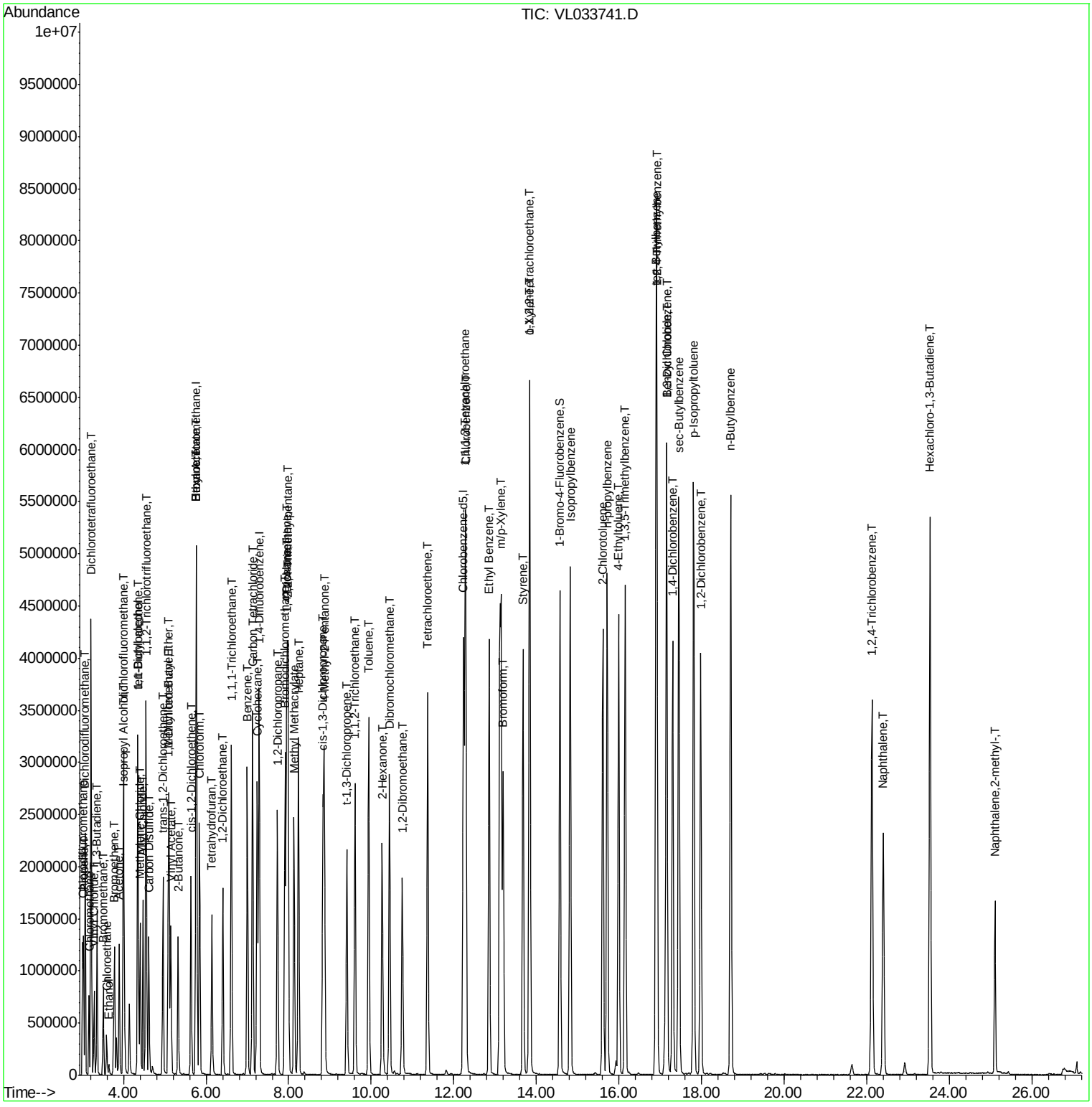
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

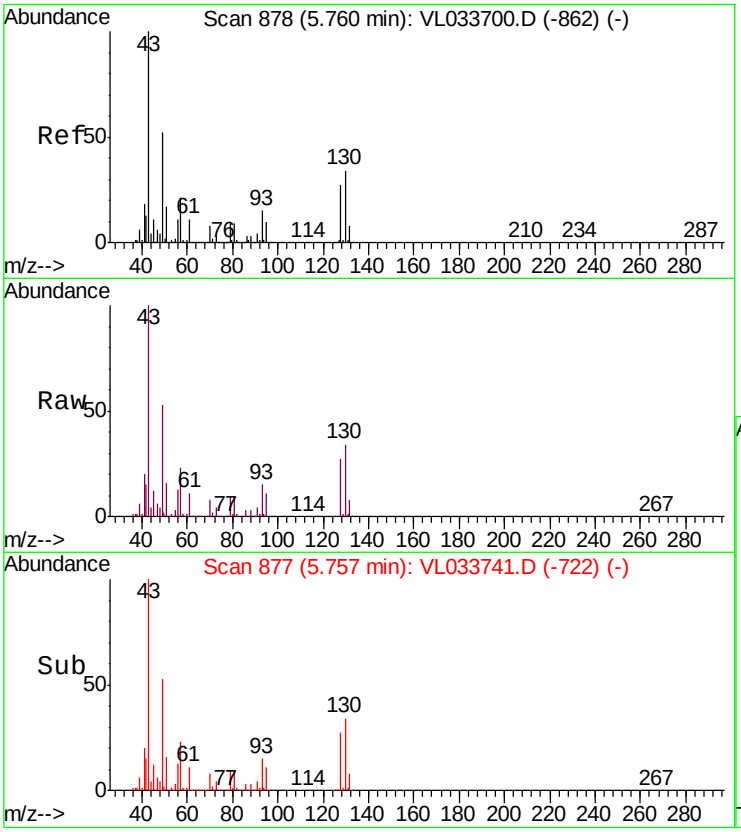
Quantitation Report (Not Reviewed)

Data File : VL033741.D
Acq On : 22 May 2019 12:10
Operator : SY/AP
Sample : VL0522ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Quant Time: May 23 04:18:44 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



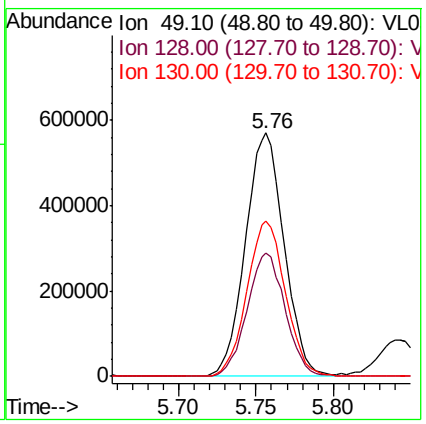


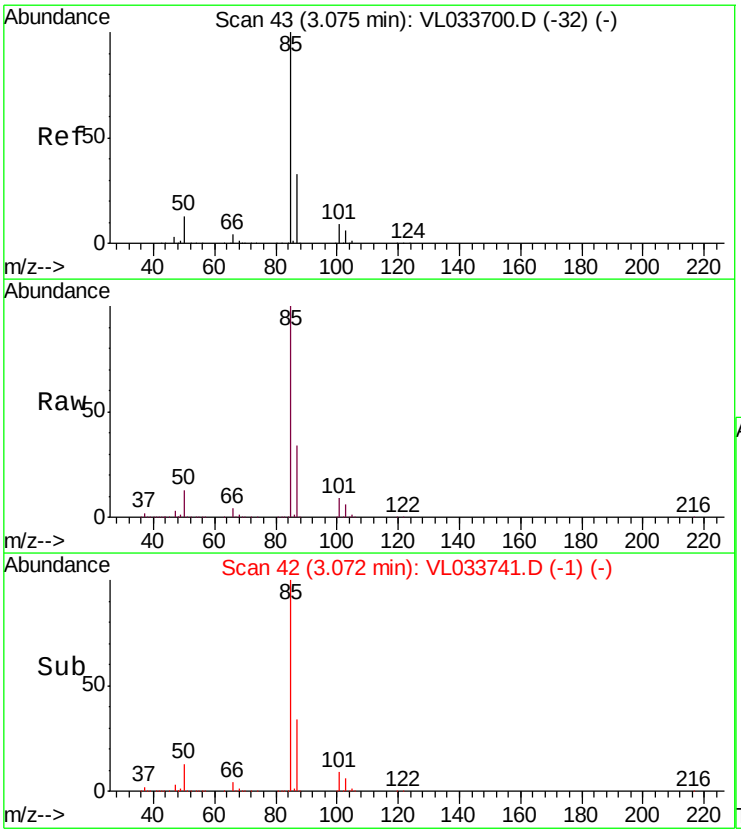
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 49 Resp: 991362

Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.2	75.6
130	63.8	32.5	97.5

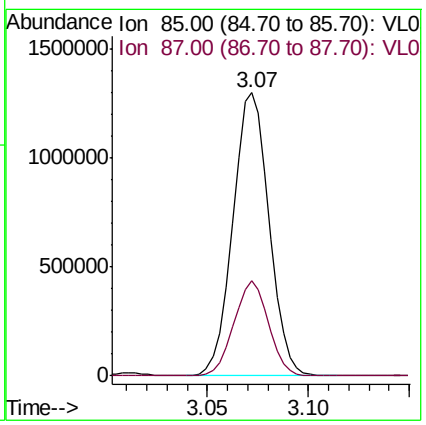


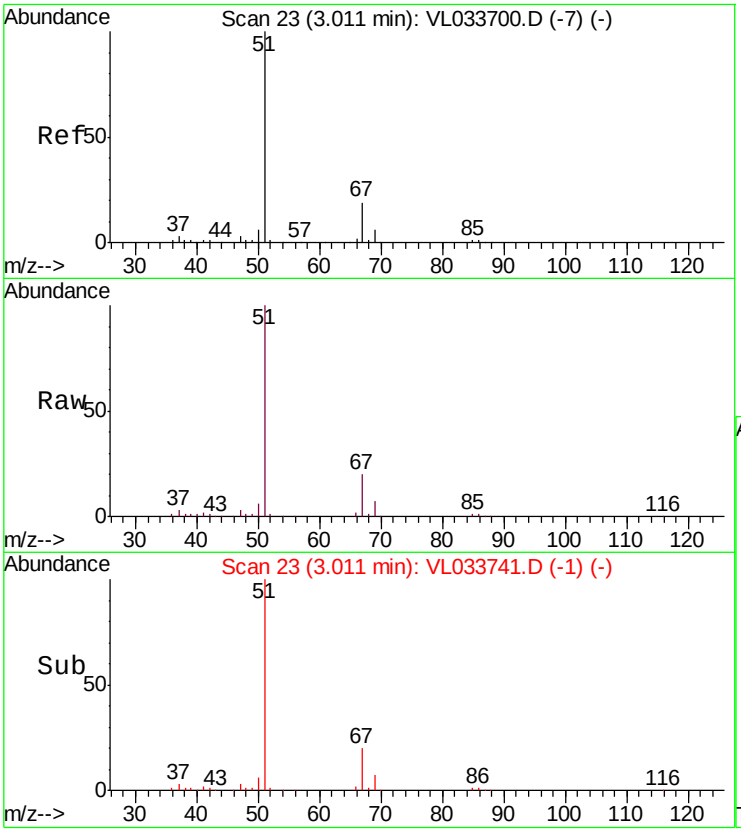


#2
Dichlorodifluoromethane
Concen: 7.809 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 85 Resp: 1631422

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.3	39.5



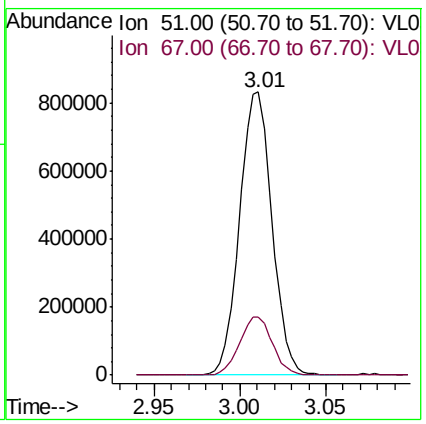


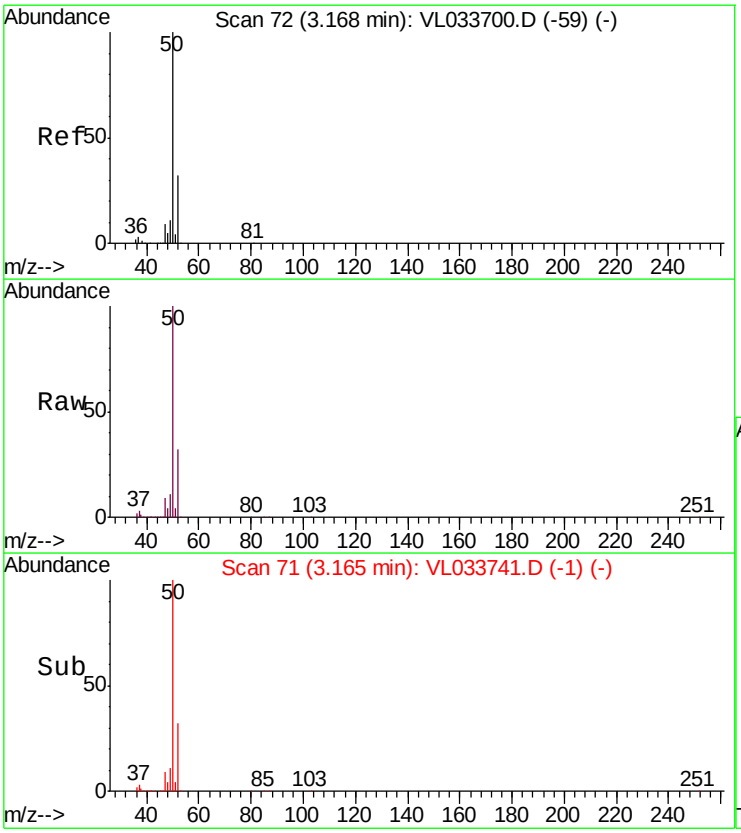
#3
Chlorodifluoromethane
Concen: 9.557 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 51 Resp: 1085285

Ion	Ratio	Lower	Upper
51	100		
67	20.7	15.6	23.4

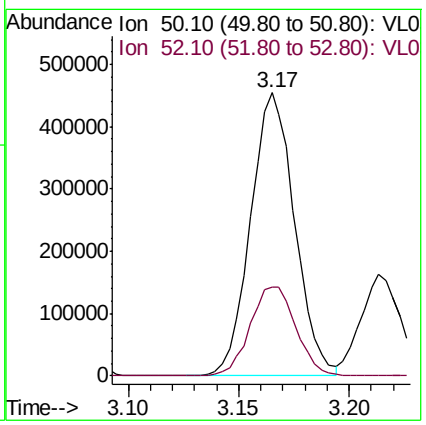


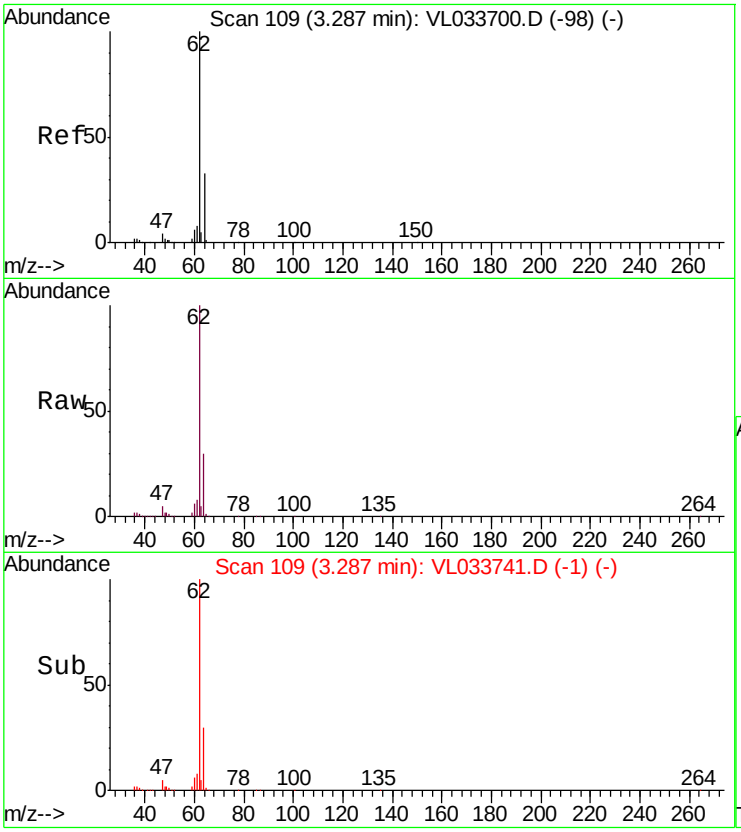


#4
Chloromethane
Concen: 9.710 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 50 Resp: 630672

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.7	38.5



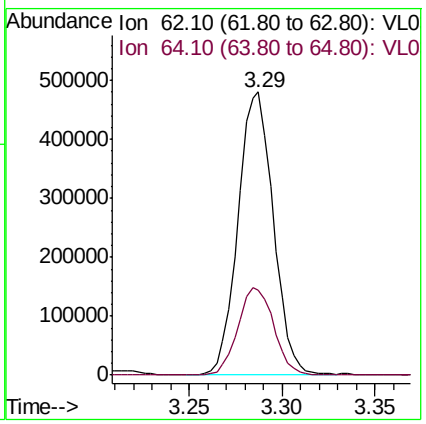


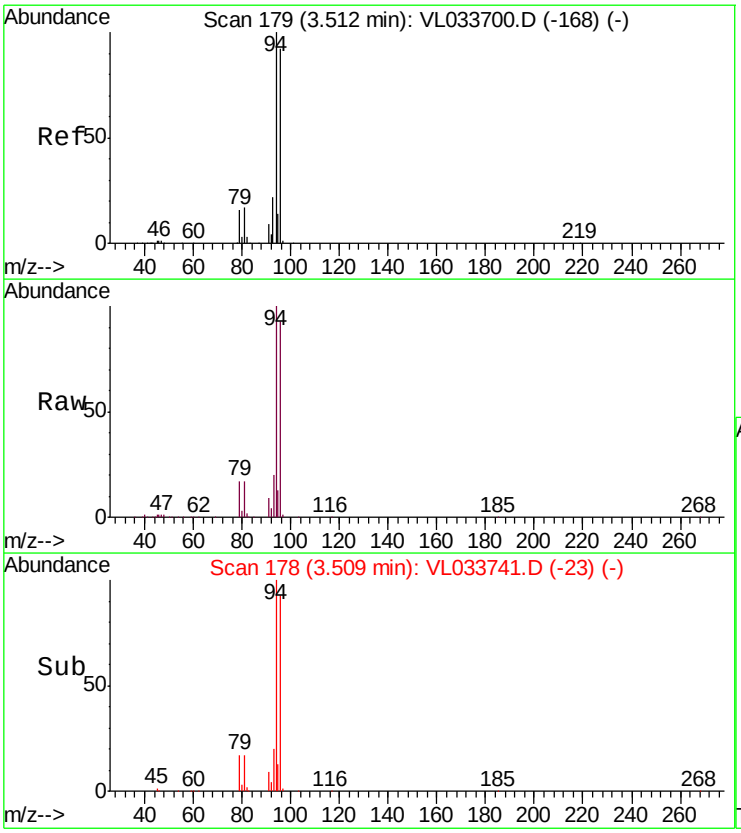
#5
Vinyl Chloride
Concen: 9.619 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 62 Resp: 636411

Ion	Ratio	Lower	Upper
62	100		
64	30.2	26.4	39.6

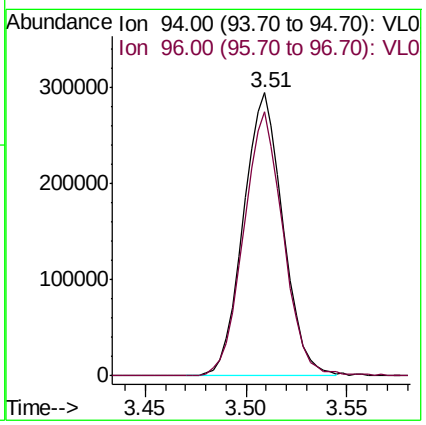


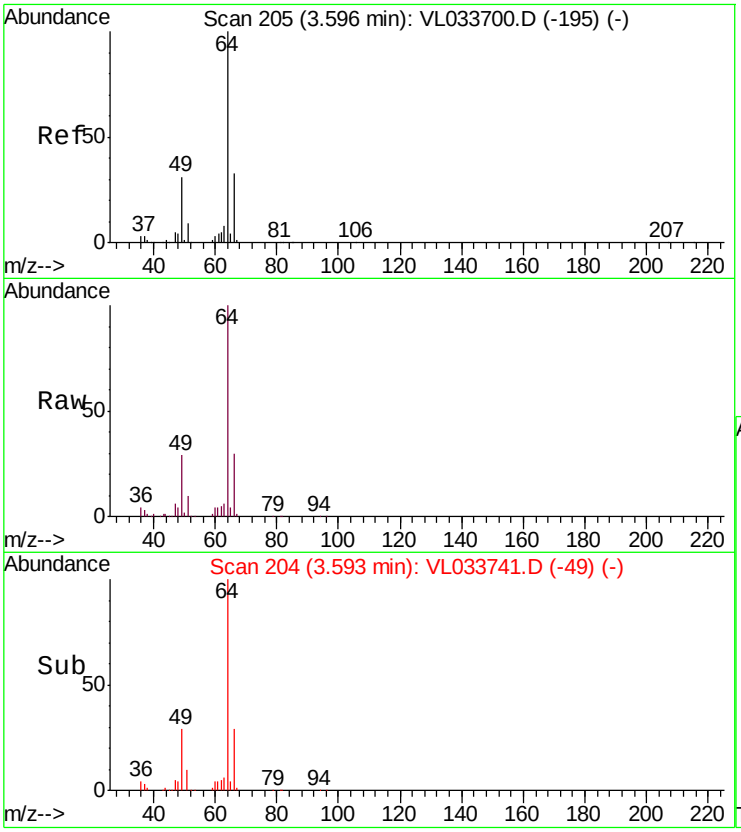


#6
Bromomethane
Concen: 10.055 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 94 Resp: 405908

Ion	Ratio	Lower	Upper
94	100		
96	93.2	73.6	110.4



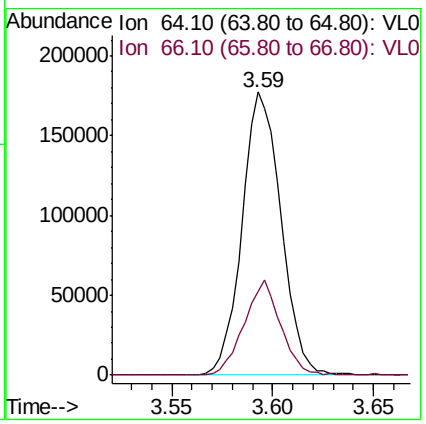


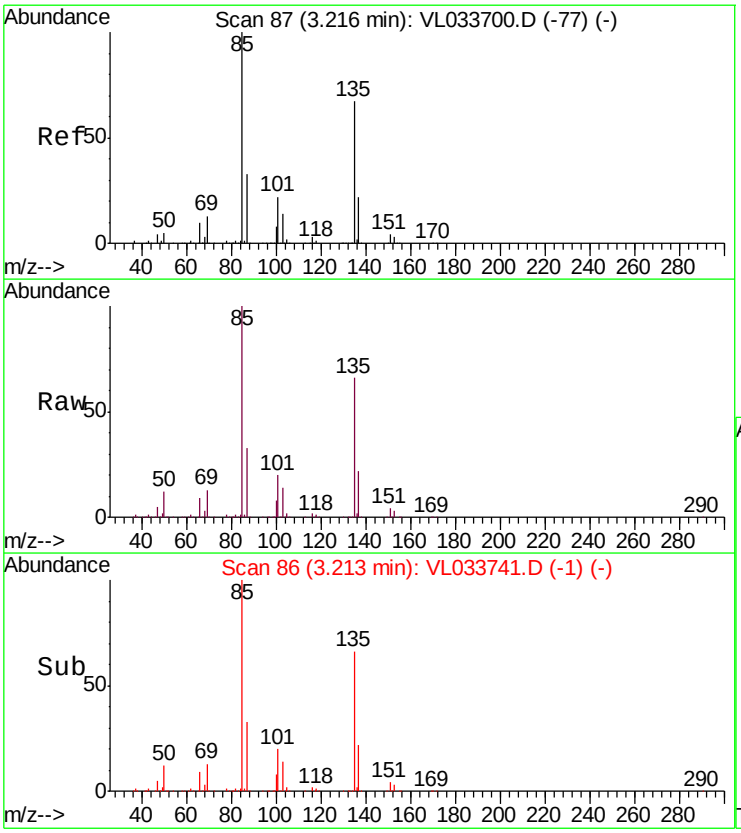
#7
Chloroethane
Concen: 10.221 ppbv
RT: 3.59 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 64 Resp: 240320

Ion	Ratio	Lower	Upper
64	100		
66	29.6	26.6	40.0

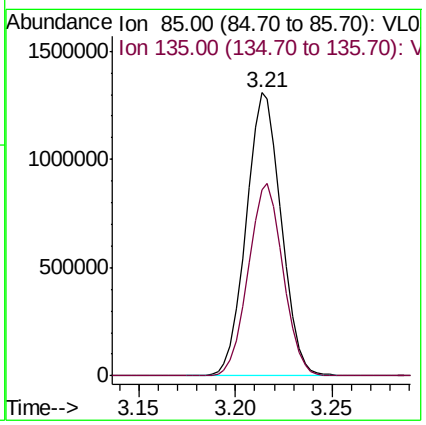


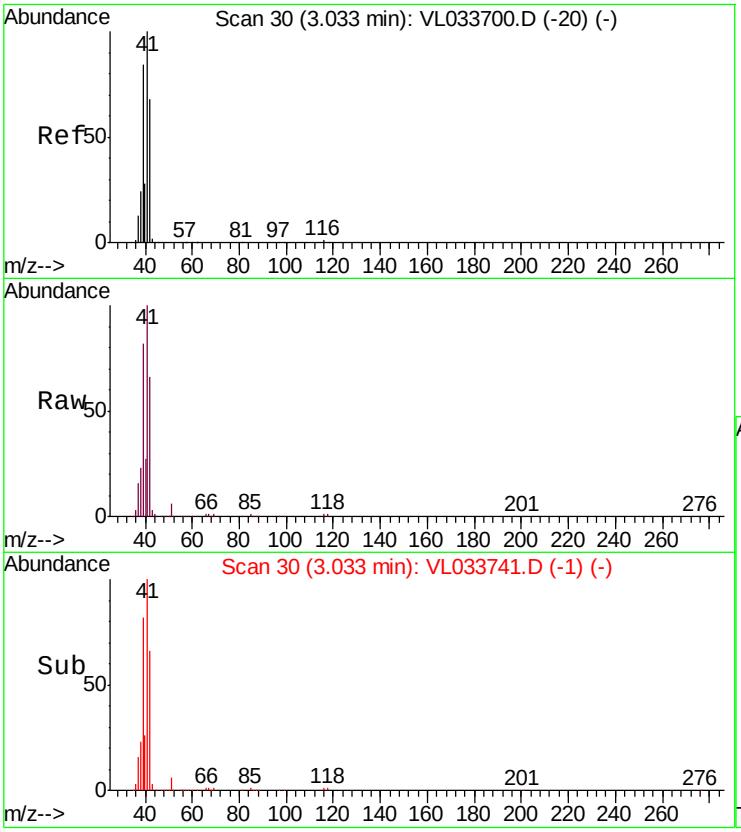


#8
Dichlorotetrafluoroethane
Concen: 9.784 ppbv
RT: 3.21 min Scan# 86
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 85 Resp: 1648011

Ion	Ratio	Lower	Upper
85	100		
135	67.6	54.5	81.7



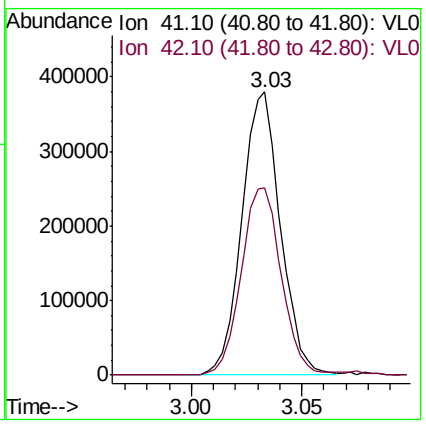


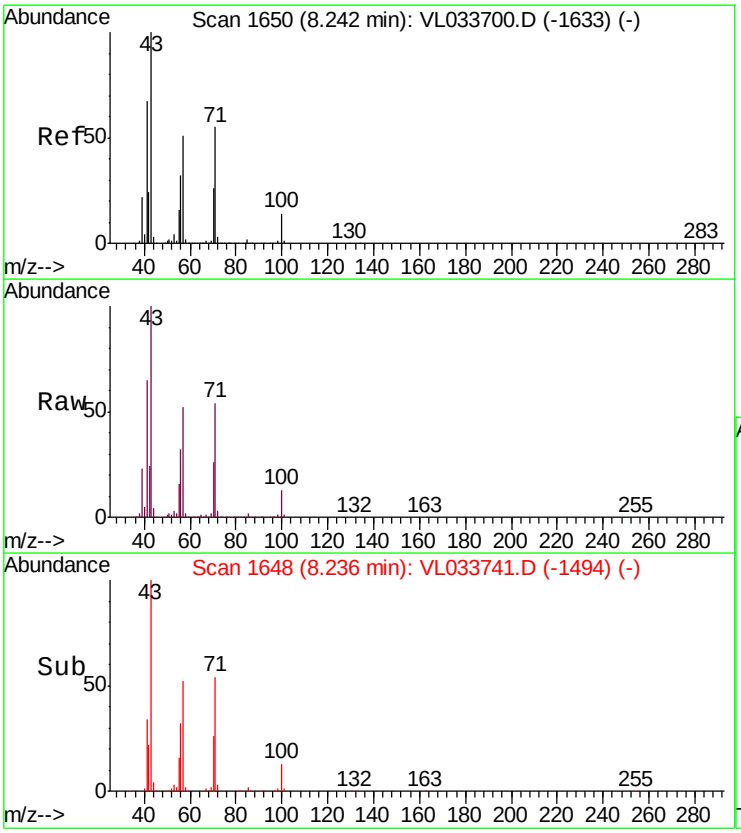
#9
Propene
Concen: 9.569 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 41 Resp: 462162

Ion	Ratio	Lower	Upper
41	100		
42	69.8	56.1	84.1

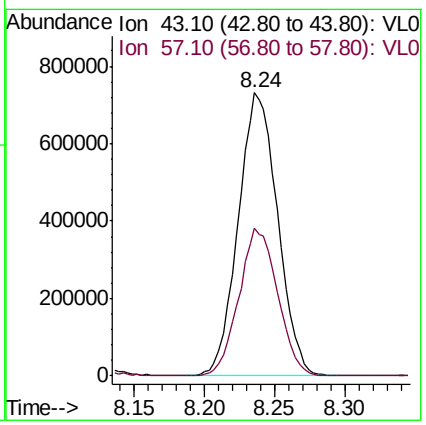


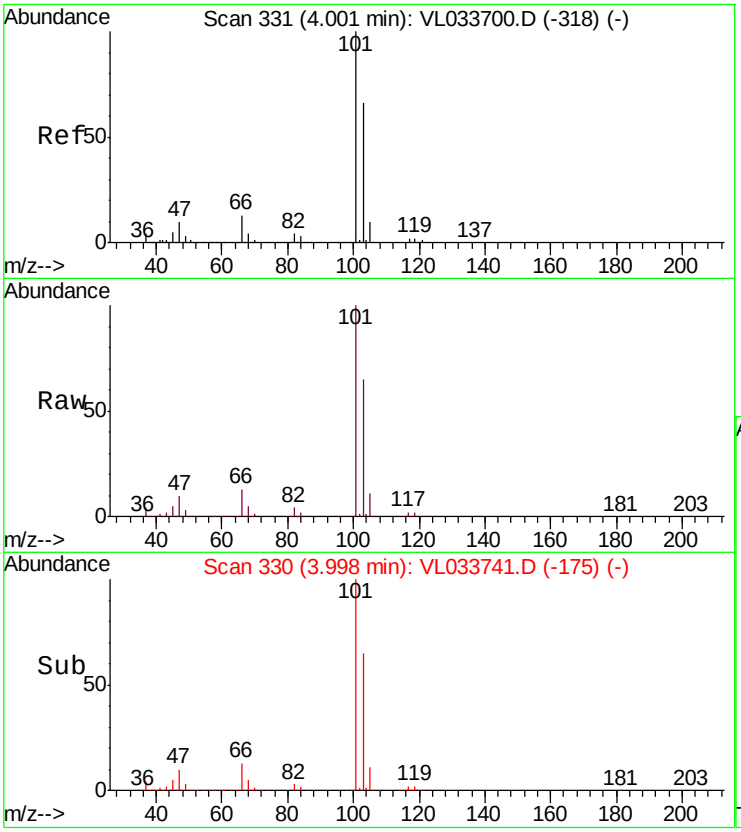


#10
Heptane
Concen: 10.420 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 43 Resp: 1425255

Ion	Ratio	Lower	Upper
43	100		
57	51.6	41.4	62.0



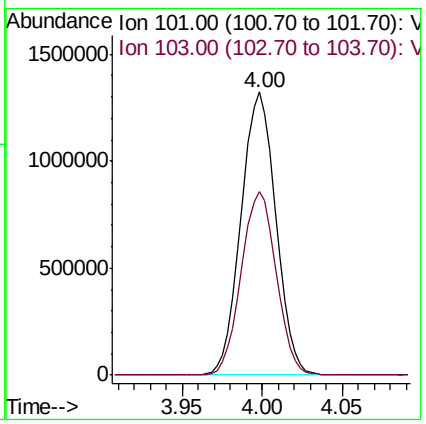


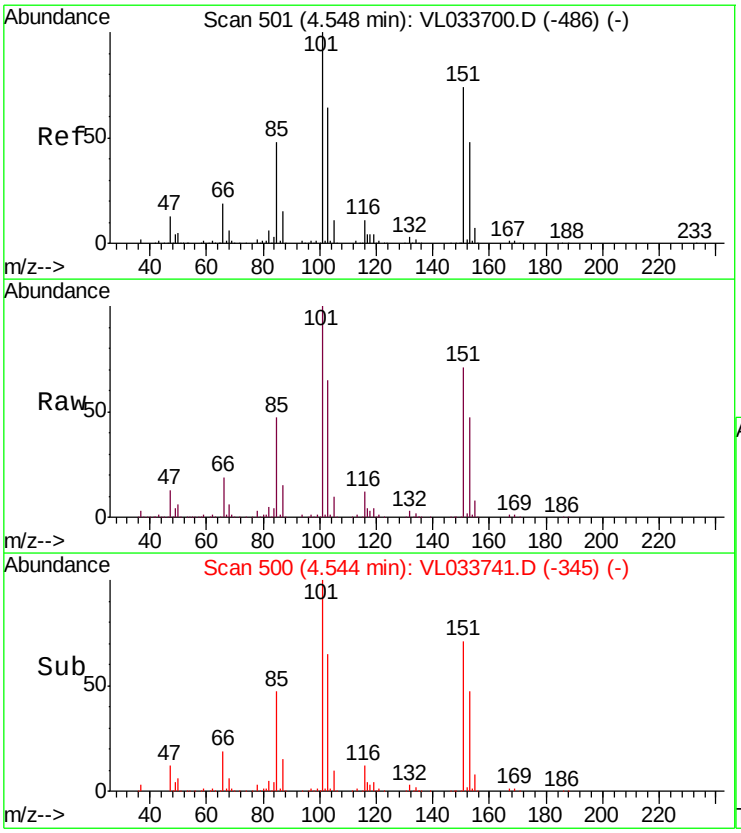
#11
Trichlorofluoromethane
Concen: 9.826 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:101 Resp: 1959259

Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8

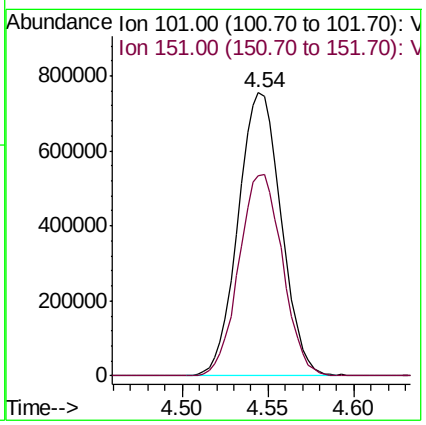


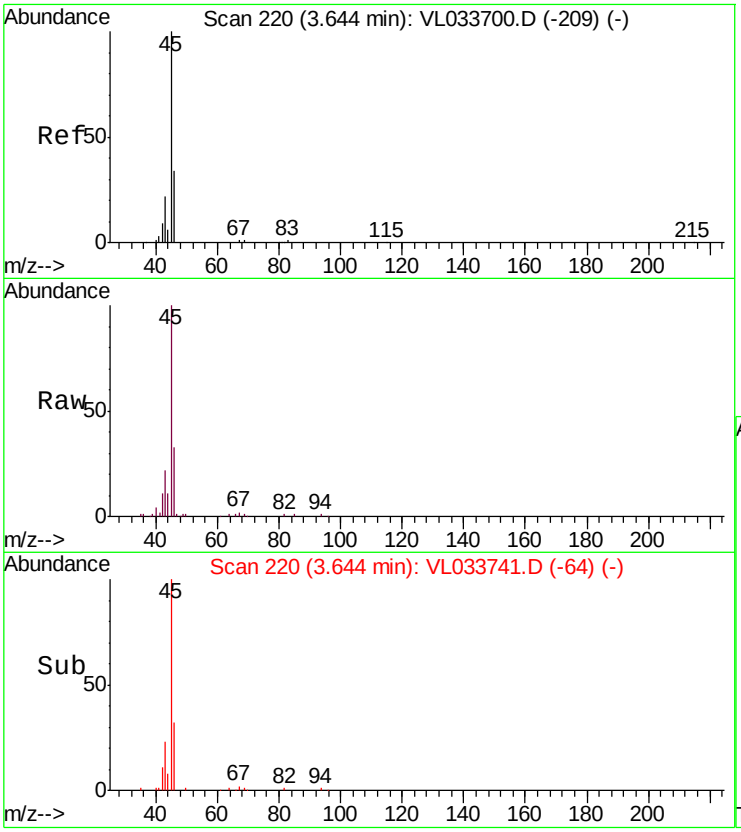


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.420 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:101 Resp: 1311636

Ion	Ratio	Lower	Upper
101	100		
151	72.2	58.2	87.4



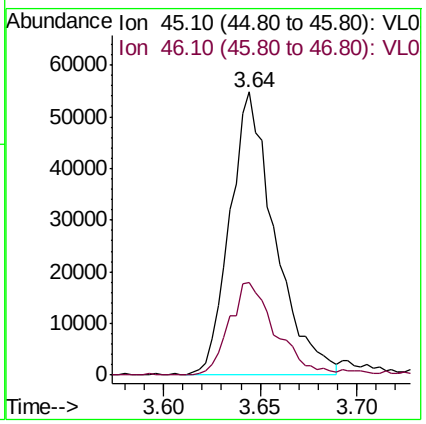


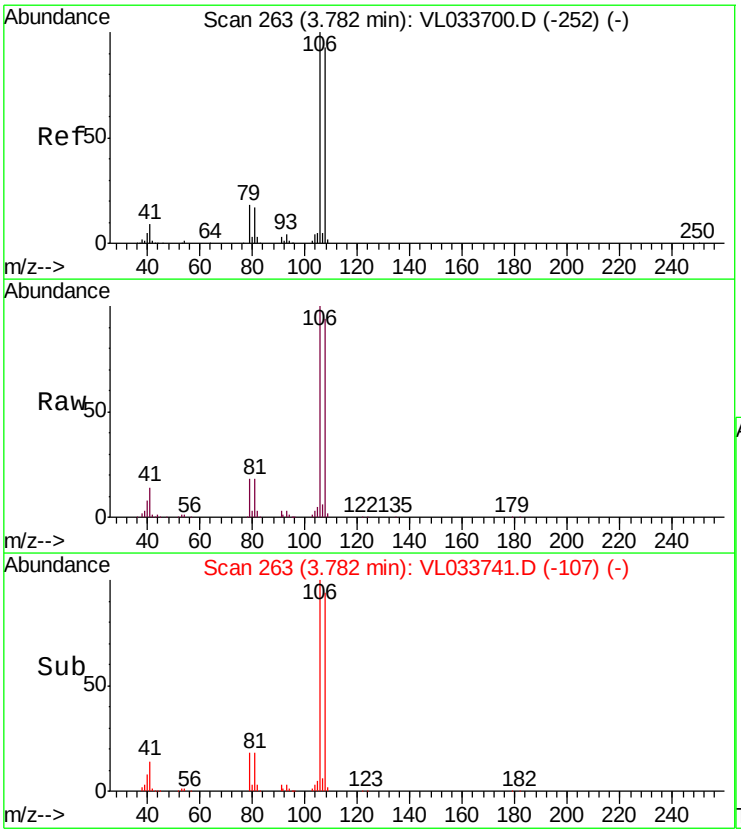
#13
Ethanol
Concen: 5.685 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 45 Resp: 88750

Ion	Ratio	Lower	Upper
45	100		
46	35.2	14.8	59.0

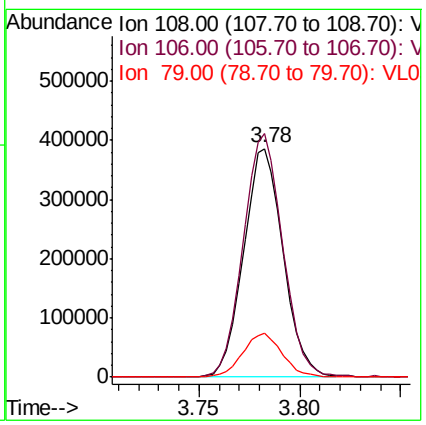


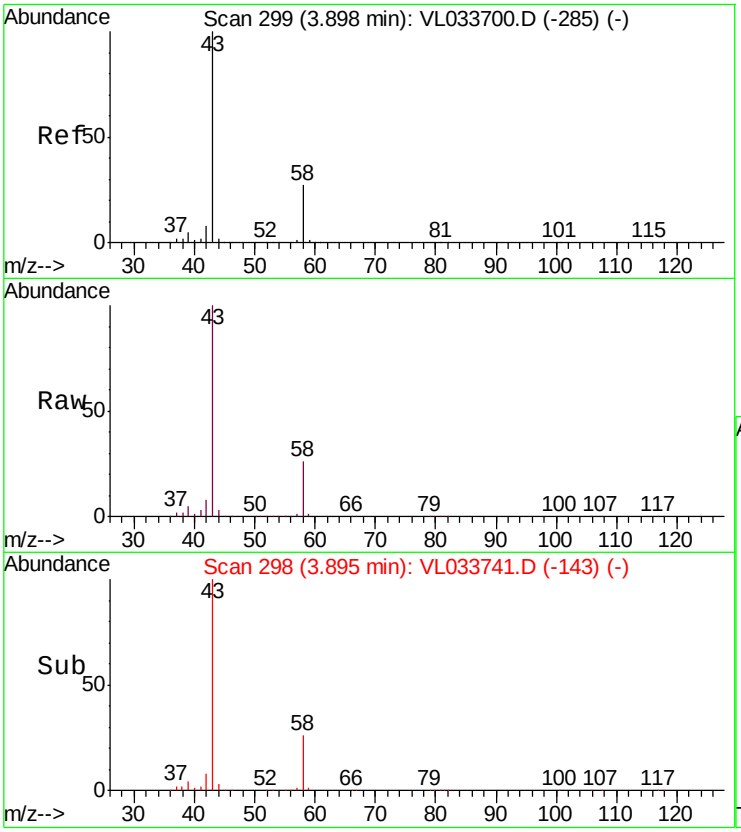


#14
Bromoethene
Concen: 10.367 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:108 Resp: 530685

Ion	Ratio	Lower	Upper
108	100		
106	107.3	86.5	129.7
79	19.7	15.1	22.7



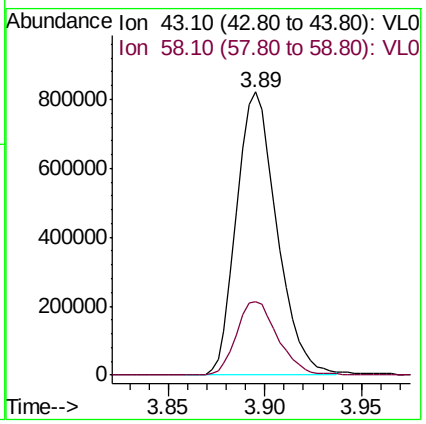


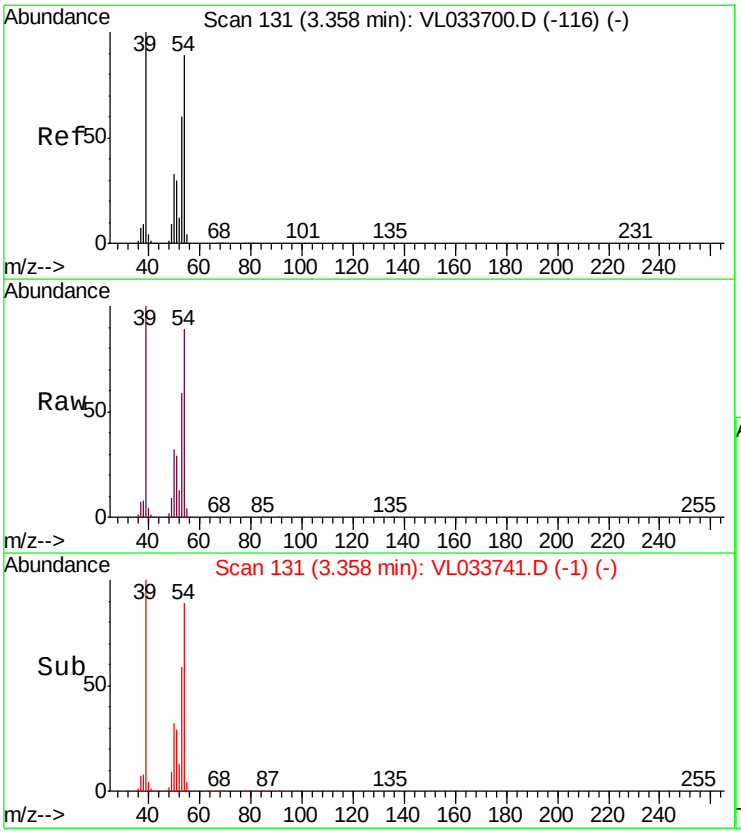
#15
Acetone
Concen: 8.669 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 1192429

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.3	31.9

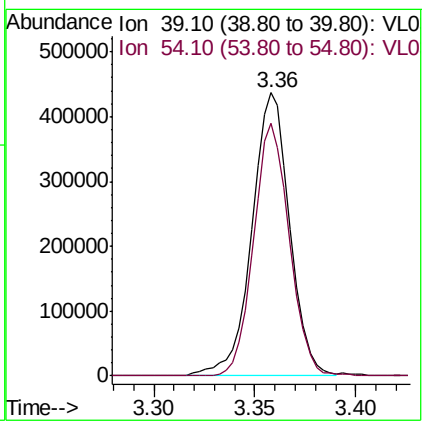


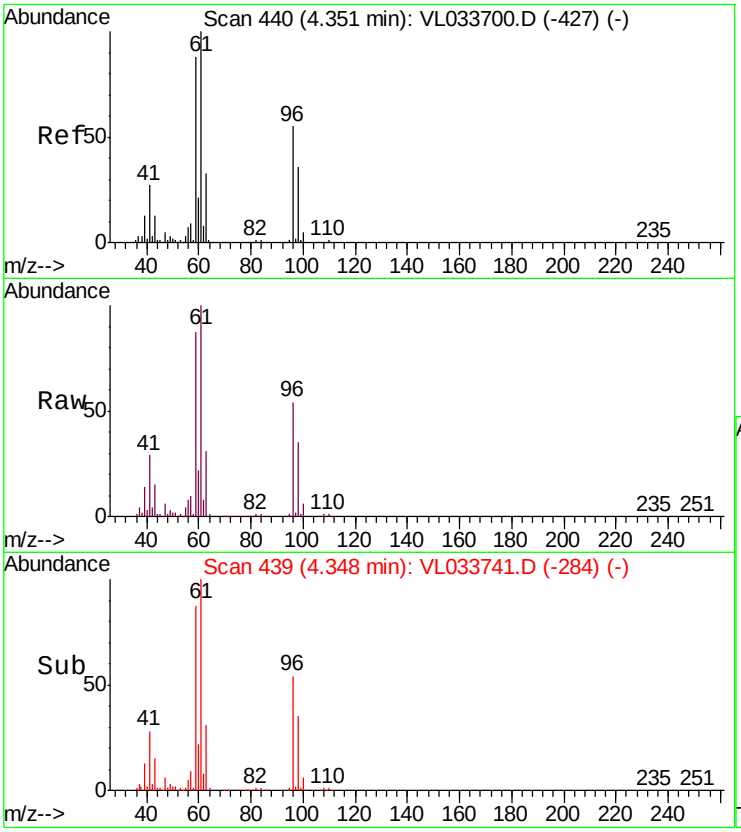


#16
1,3-Butadiene
Concen: 10.375 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 39 Resp: 568303

Ion	Ratio	Lower	Upper
39	100		
54	85.3	69.0	103.6



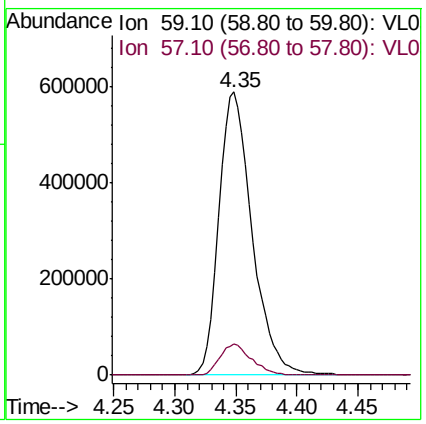


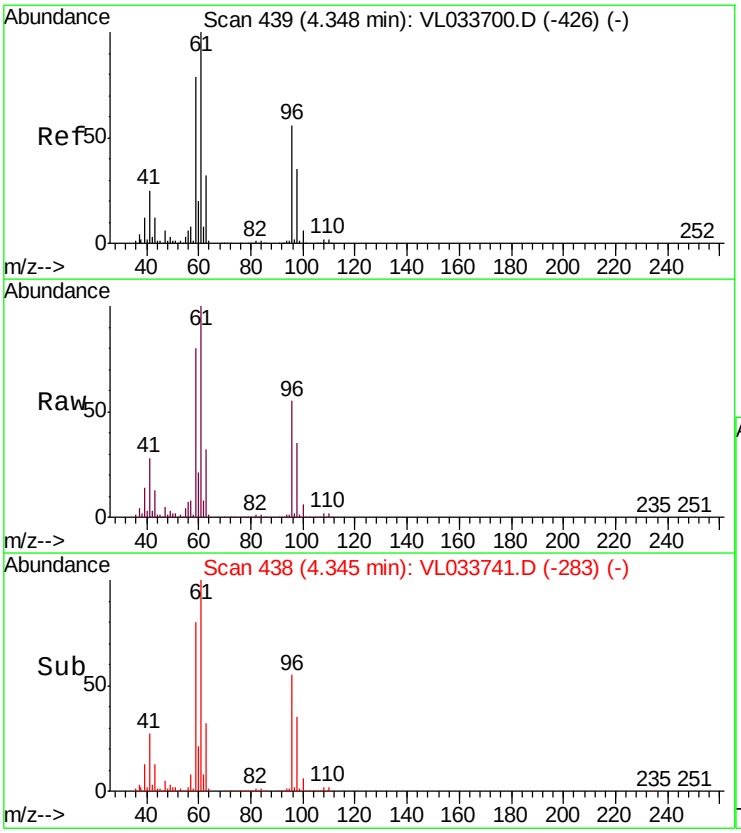
#17
tert-Butyl alcohol
Concen: 10.157 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 59 Resp: 1129702

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

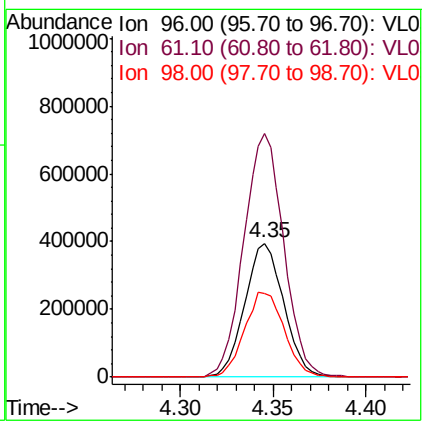


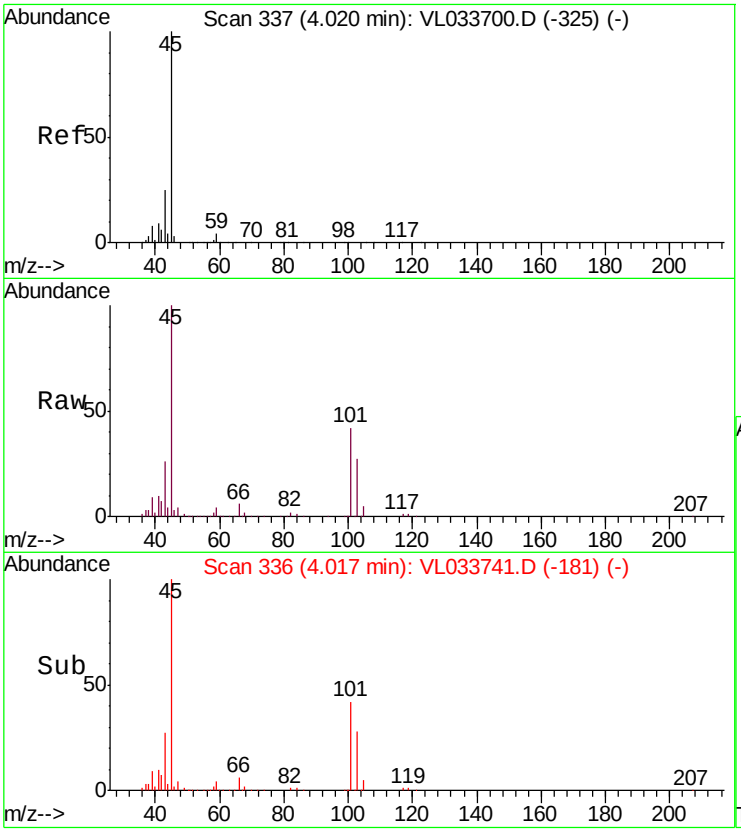


#18
1,1-Dichloroethene
Concen: 9.898 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 96 Resp: 581733

Ion	Ratio	Lower	Upper
96	100		
61	181.6	143.1	214.7
98	62.8	49.5	74.3



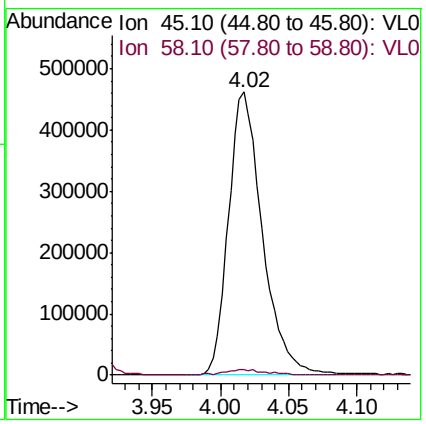


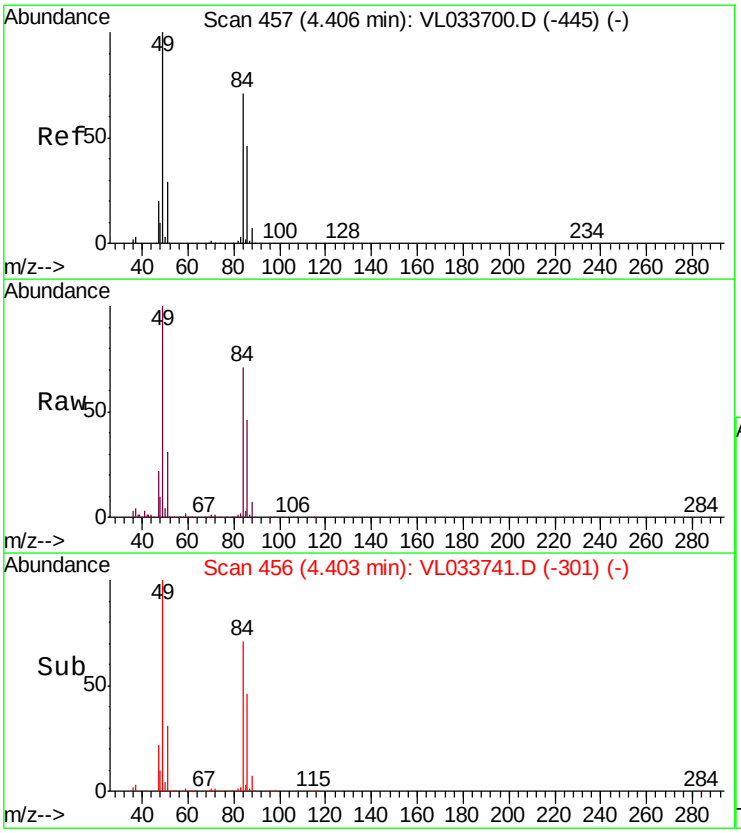
#19
Isopropyl Alcohol
Concen: 9.003 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 45 Resp: 798451

Ion	Ratio	Lower	Upper
45	100		
58	2.5	1.6	2.4#

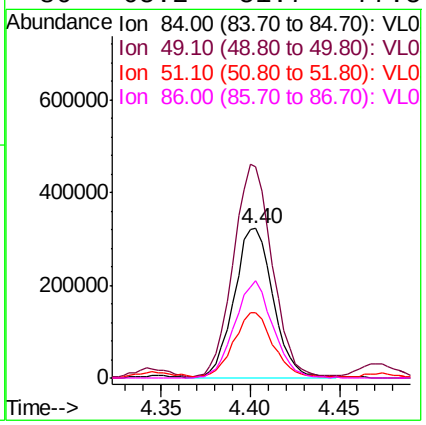


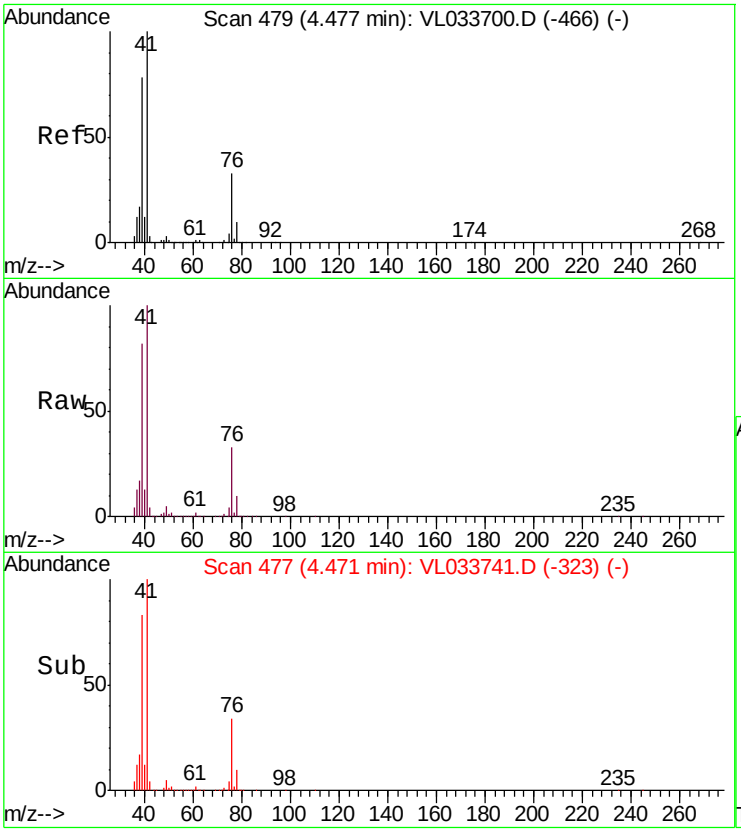


#20
Methylene Chloride
Concen: 9.287 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 84 Resp: 491838

Ion	Ratio	Lower	Upper
84	100		
49	140.6	112.8	169.2
51	42.6	33.4	50.0
86	65.2	51.7	77.5



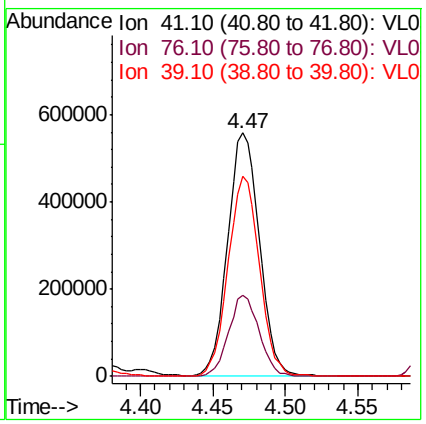


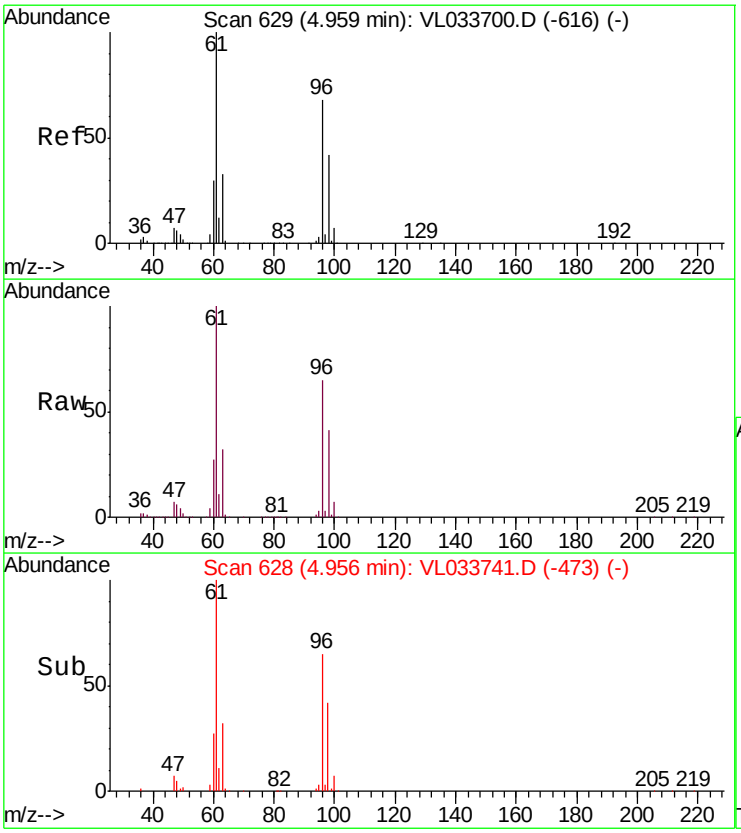
#21
Allyl Chloride
Concen: 9.854 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 41 Resp: 845420

Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.9	38.9
39	81.7	64.6	97.0

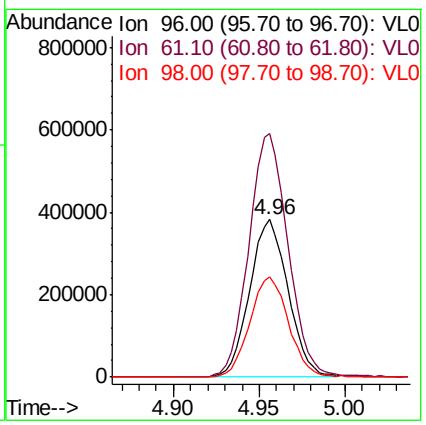


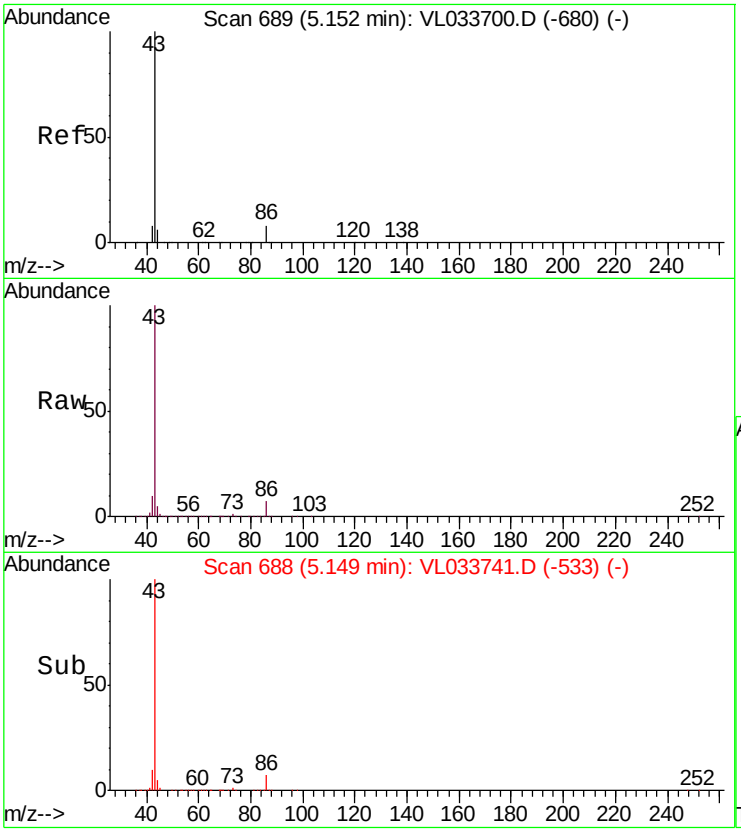


#22
trans-1,2-Dichloroethene
Concen: 9.862 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 96 Resp: 594113

Ion	Ratio	Lower	Upper
96	100		
61	154.4	116.8	175.2
98	63.7	49.4	74.0



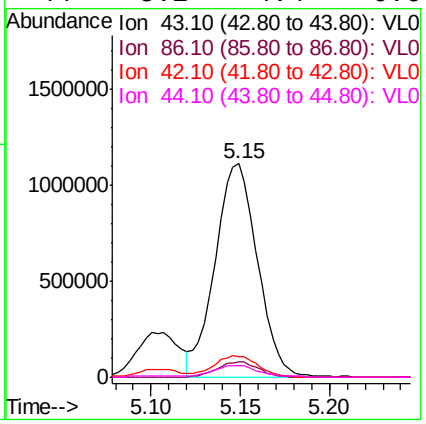


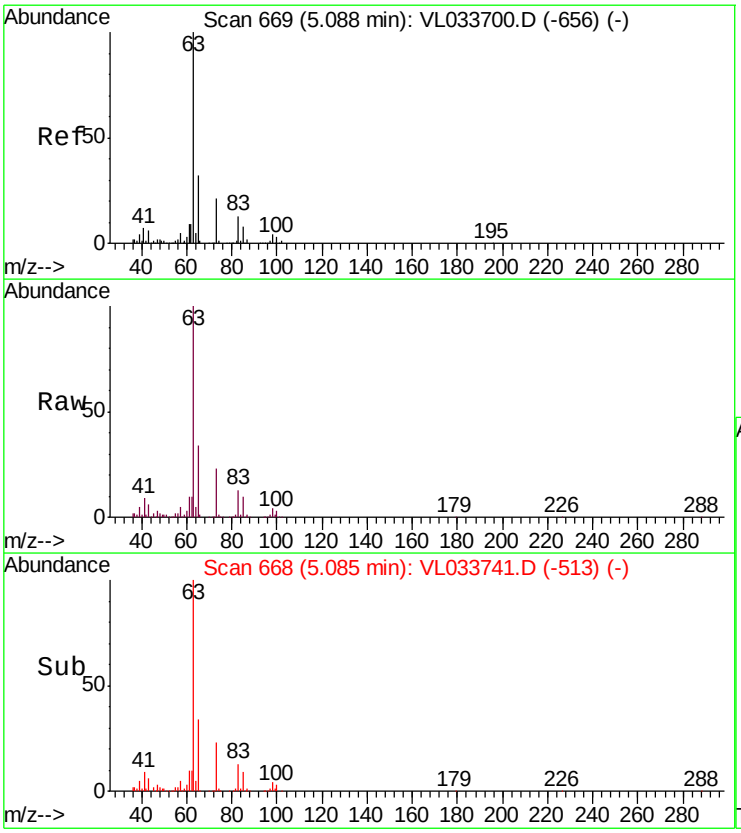
#23
Vinyl Acetate
Concen: 10.059 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 1824267

Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.0	9.0
42	9.7	7.5	11.3
44	5.2	4.4	6.6

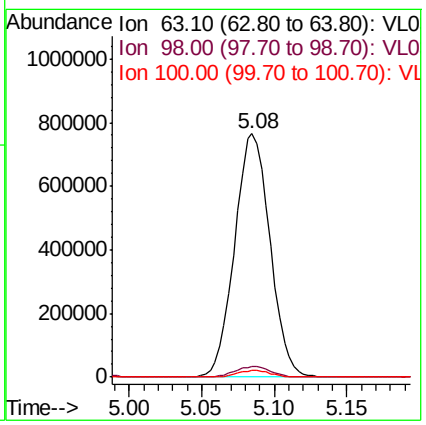


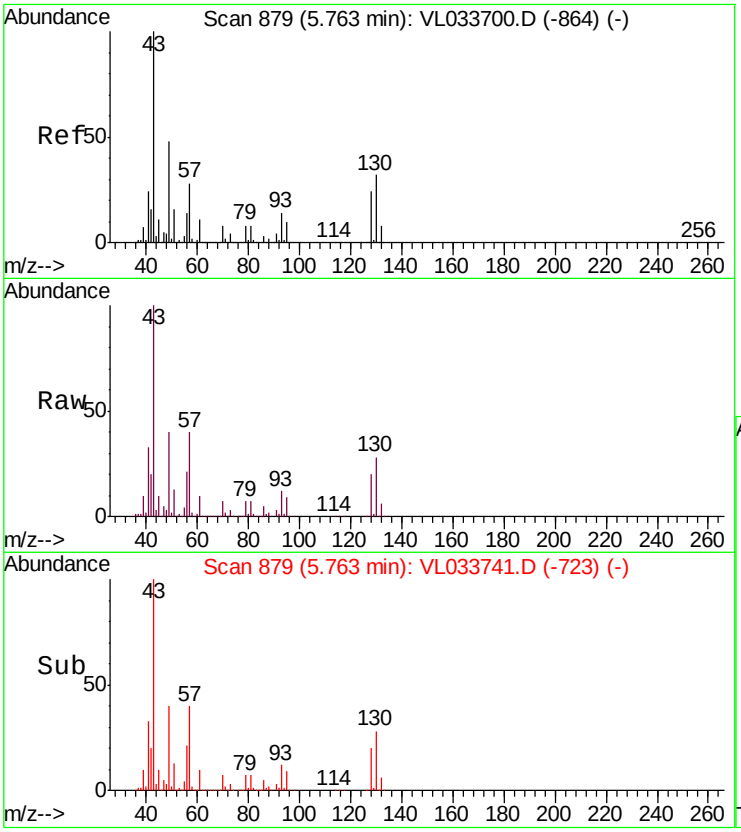


#24
1,1-Dichloroethane
Concen: 9.442 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 63 Resp: 1301642

Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.8	5.5
100	2.9	1.4	4.2



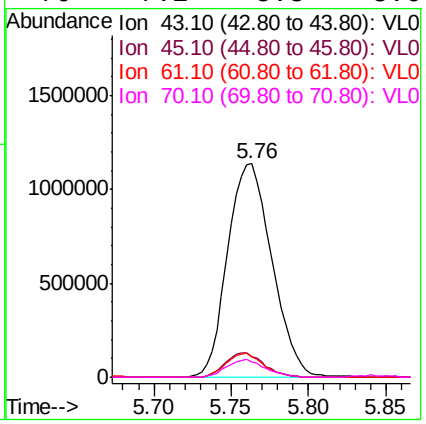


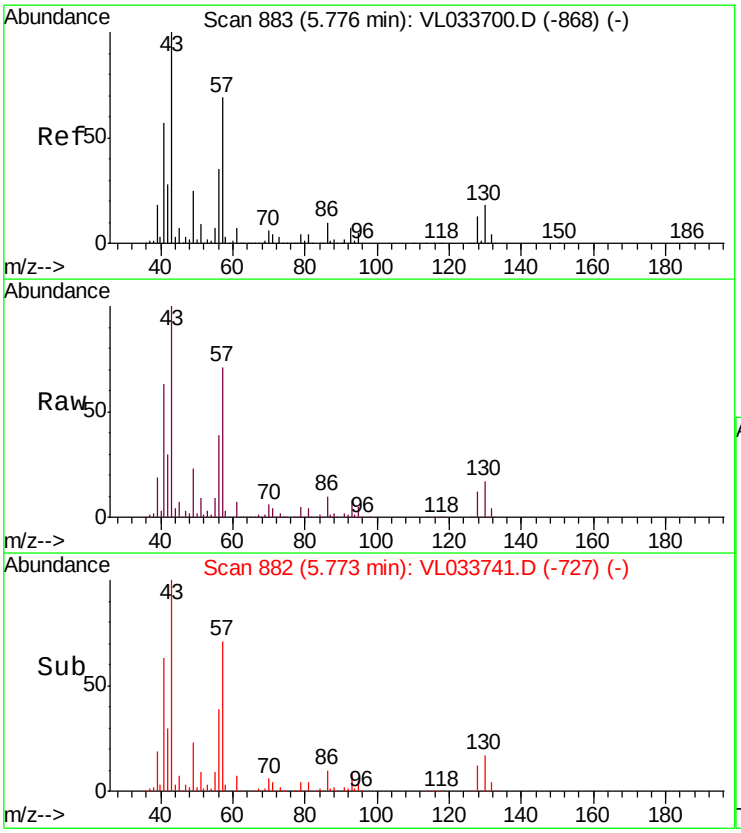
#25
Ethyl Acetate
Concen: 9.334 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 2255248

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.7	7.7	11.5
70	7.2	5.8	8.6

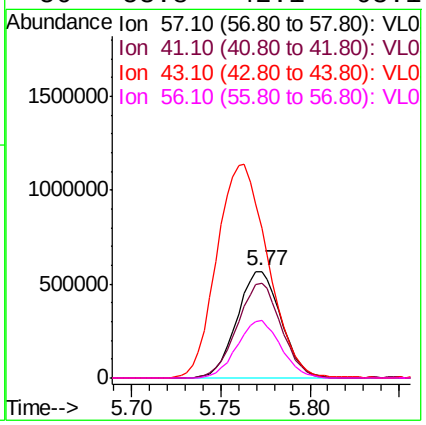


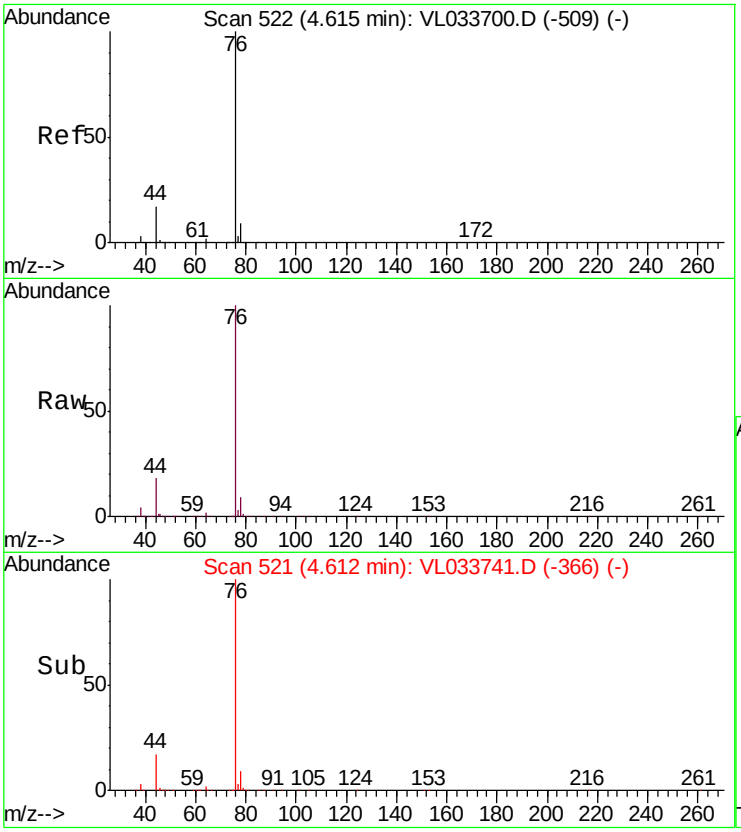


#26
Hexane
Concen: 9.423 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 57 Resp: 978811

Ion	Ratio	Lower	Upper
57	100		
41	89.1	69.8	104.6
43	232.0	181.8	272.6
56	53.8	42.1	63.1



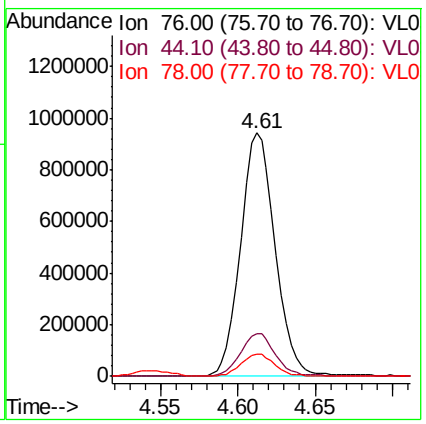


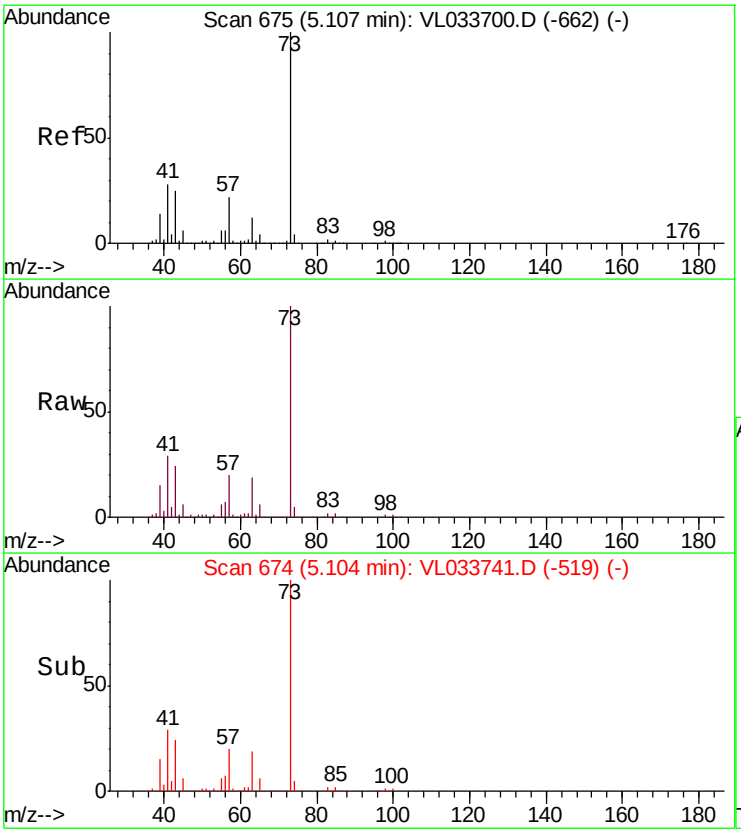
#27
Carbon Disulfide
Concen: 10.298 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 76 Resp: 1467548

Ion	Ratio	Lower	Upper
76	100		
44	17.7	13.8	20.8
78	8.8	7.4	11.0

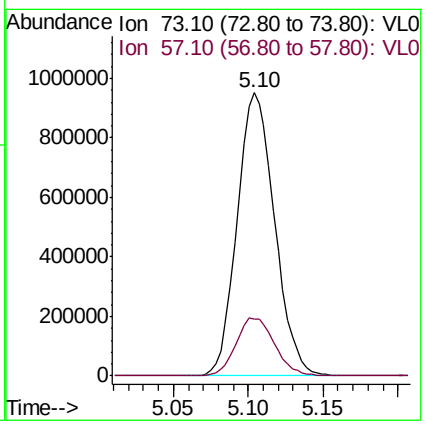


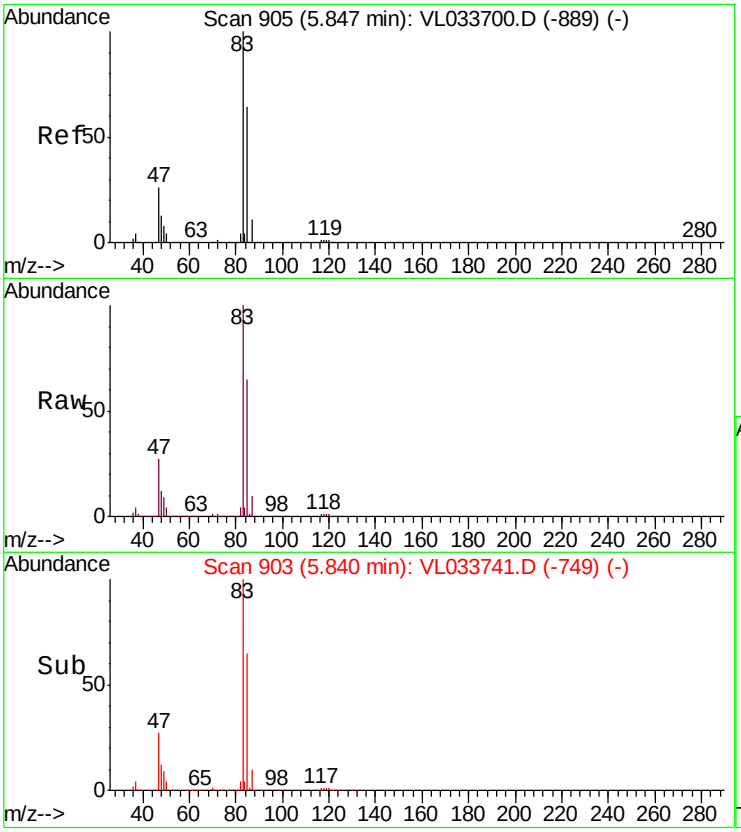


#28
Methyl tert-Butyl Ether
Concen: 9.791 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 73 Resp: 1657970

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.2



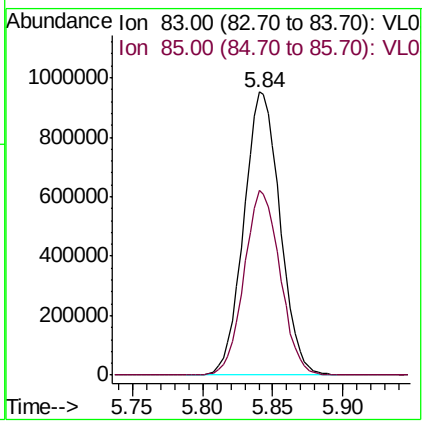


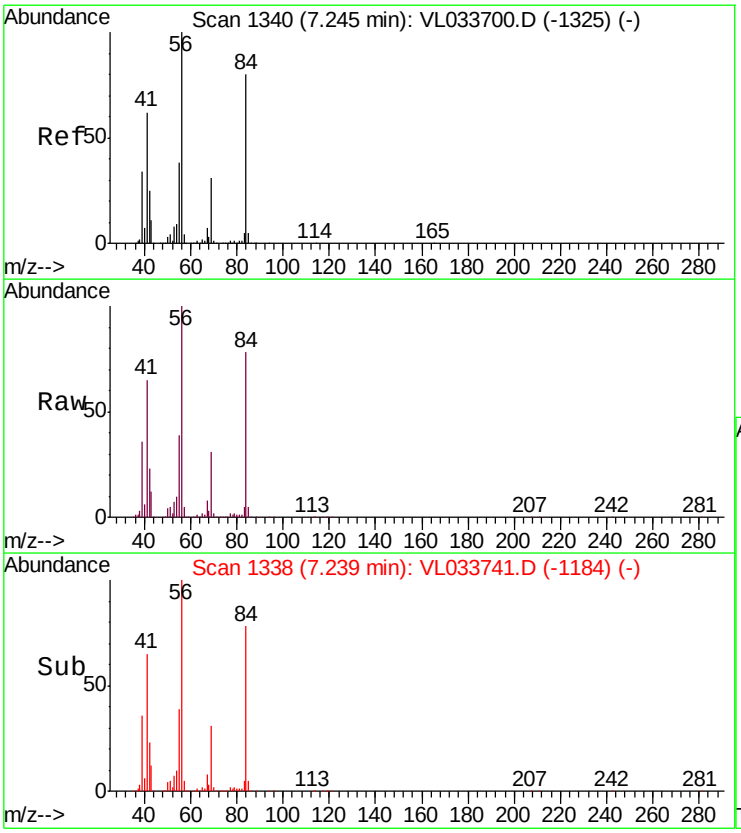
#29
Chloroform
Concen: 8.950 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 83 Resp: 1712522

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3

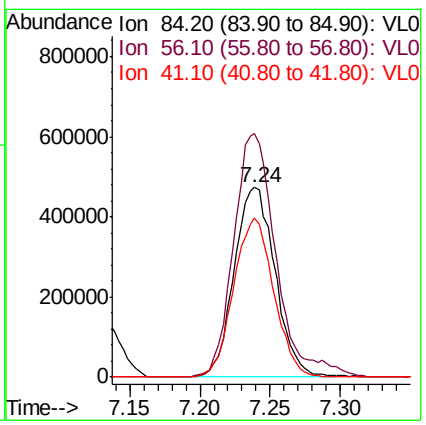


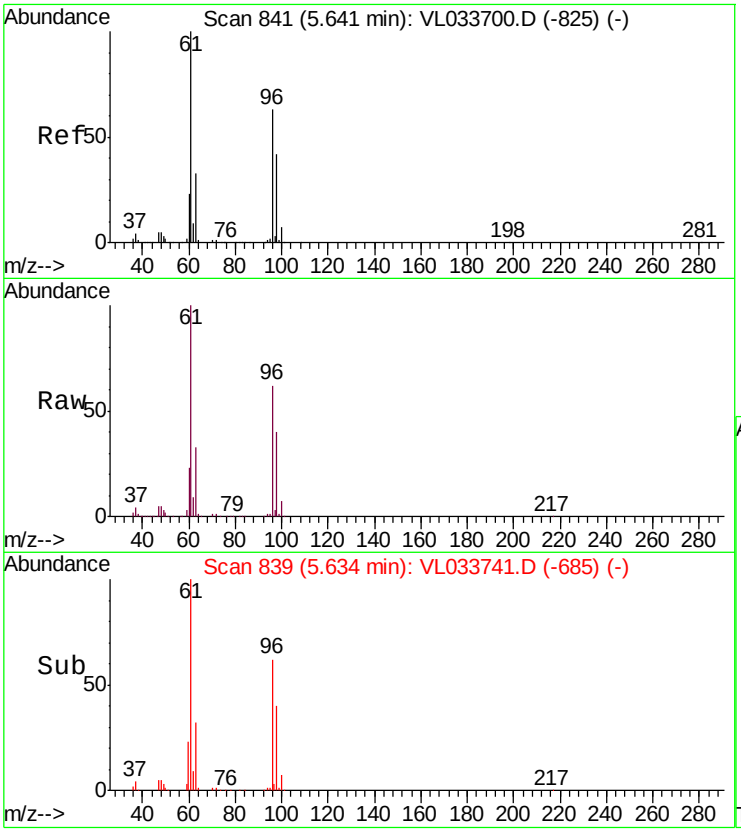


#30
Cyclohexane
Concen: 11.028 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 84 Resp: 963036

Ion	Ratio	Lower	Upper
84	100		
56	133.6	107.7	161.5
41	82.4	66.0	99.0



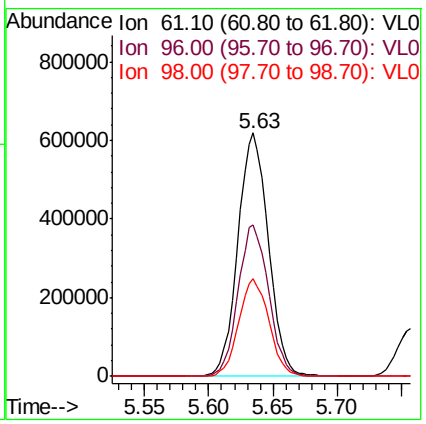


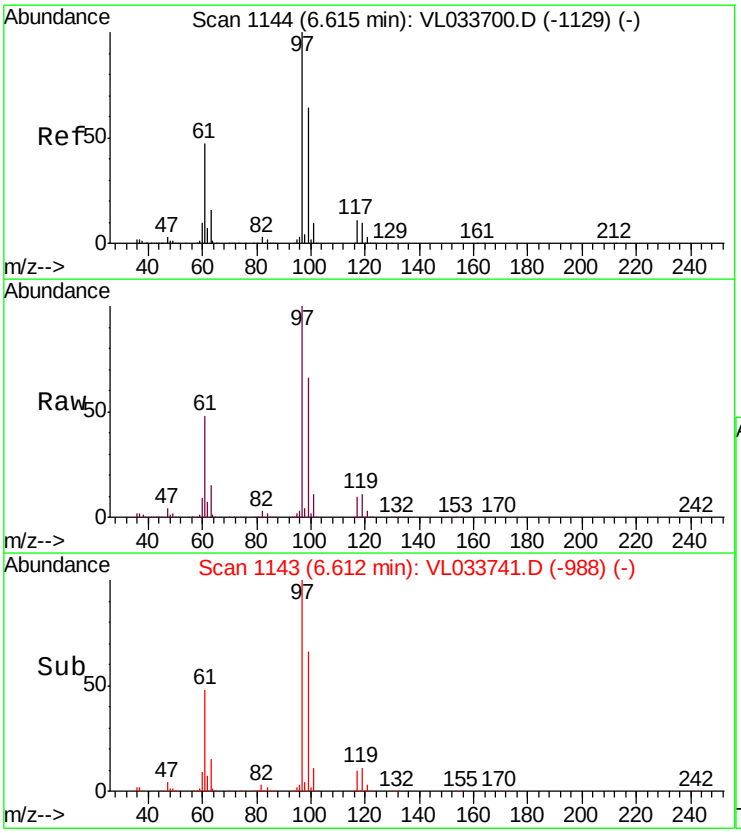
#31
cis-1,2-Dichloroethene
Concen: 9.877 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 61 Resp: 1017319

Ion	Ratio	Lower	Upper
61	100		
96	62.3	50.8	76.2
98	40.1	33.3	49.9

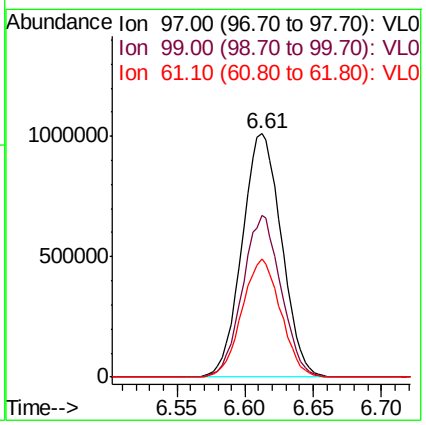


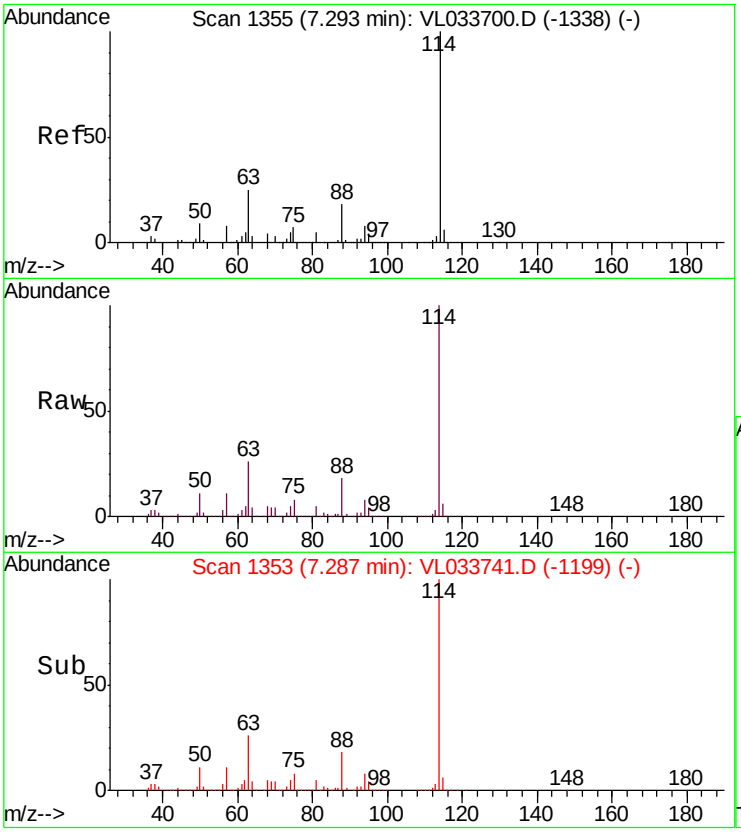


#32
1,1,1-Trichloroethane
Concen: 10.632 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 97 Resp: 2031290

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	47.8	37.8	56.8



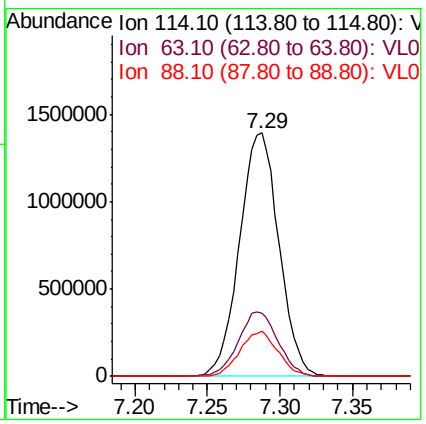


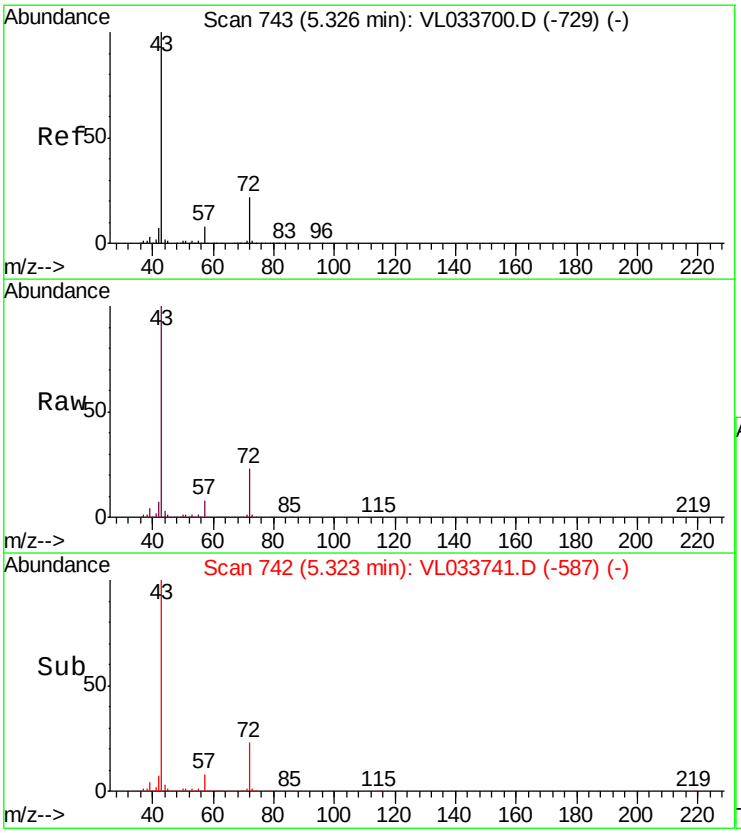
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:114 Resp: 2632958

Ion	Ratio	Lower	Upper
114	100		
63	27.1	20.9	31.3
88	18.0	14.3	21.5

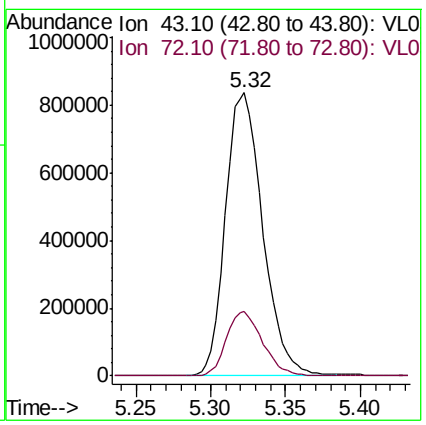


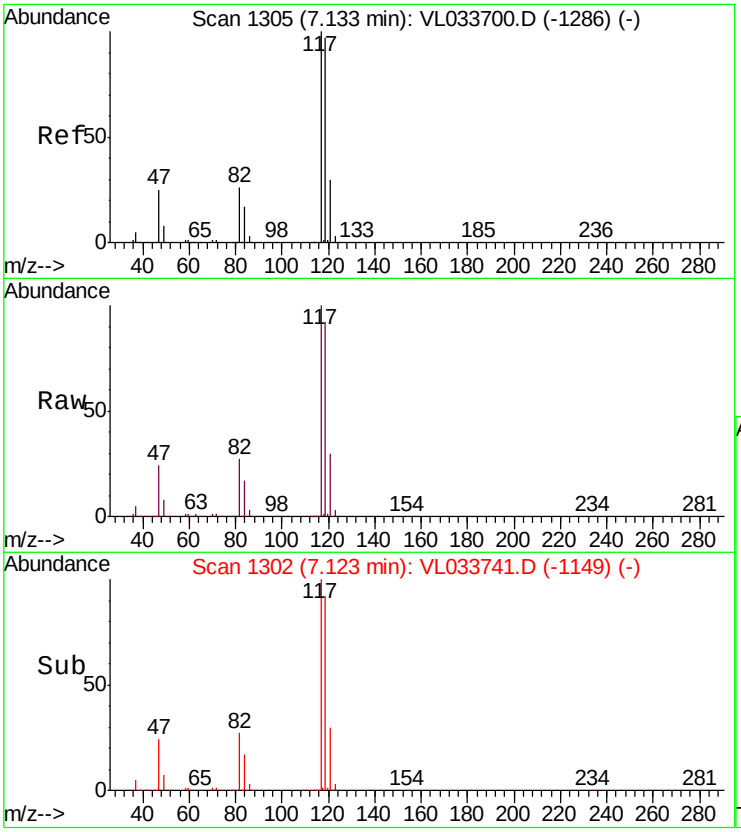


#34
2-Butanone
Concen: 8.871 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 43 Resp: 1447745

Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6



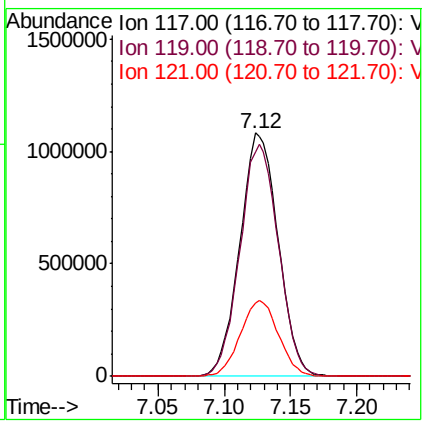


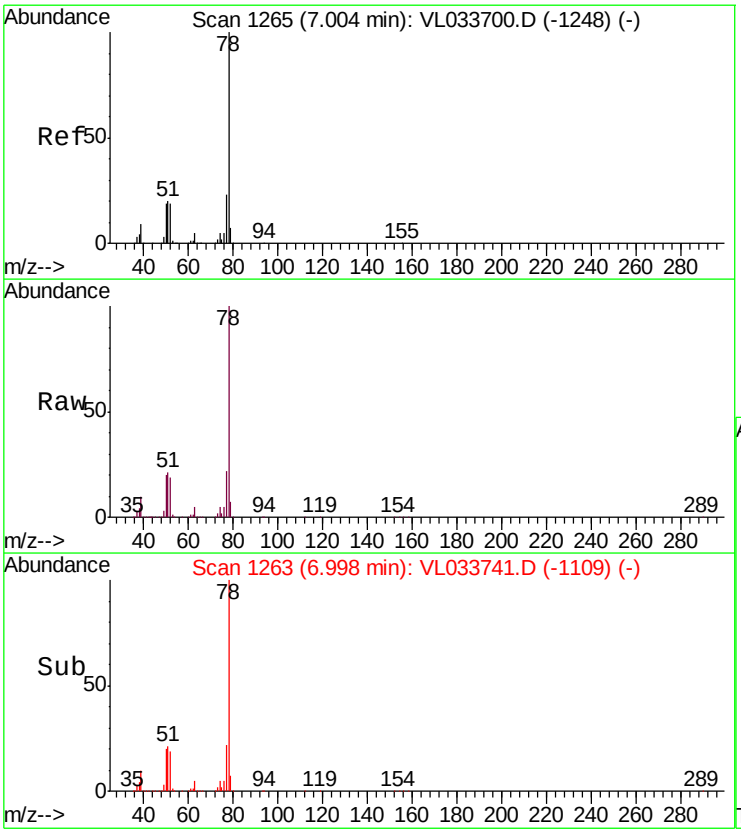
#35
Carbon Tetrachloride
Concen: 10.322 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:117 Resp: 2177133

Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.2	115.8
121	30.0	24.1	36.1

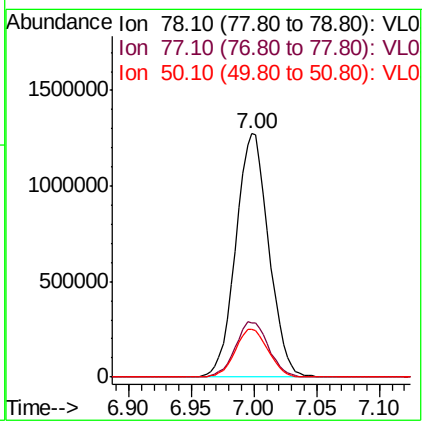


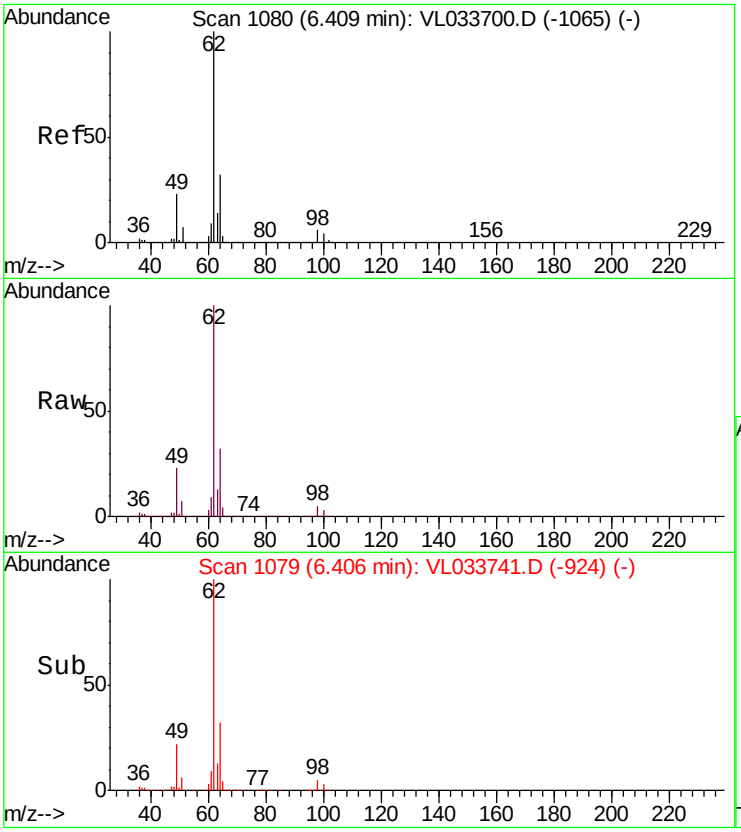


#36
Benzene
Concen: 9.720 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 78 Resp: 2328044

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.4	27.6
50	19.6	15.5	23.3



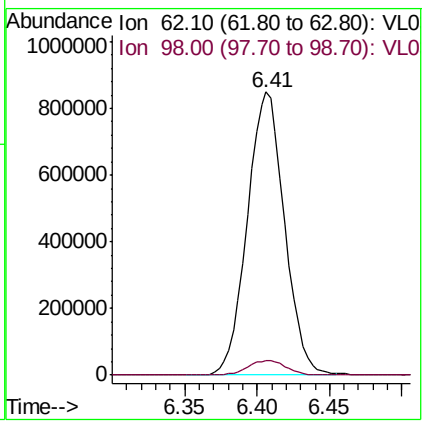


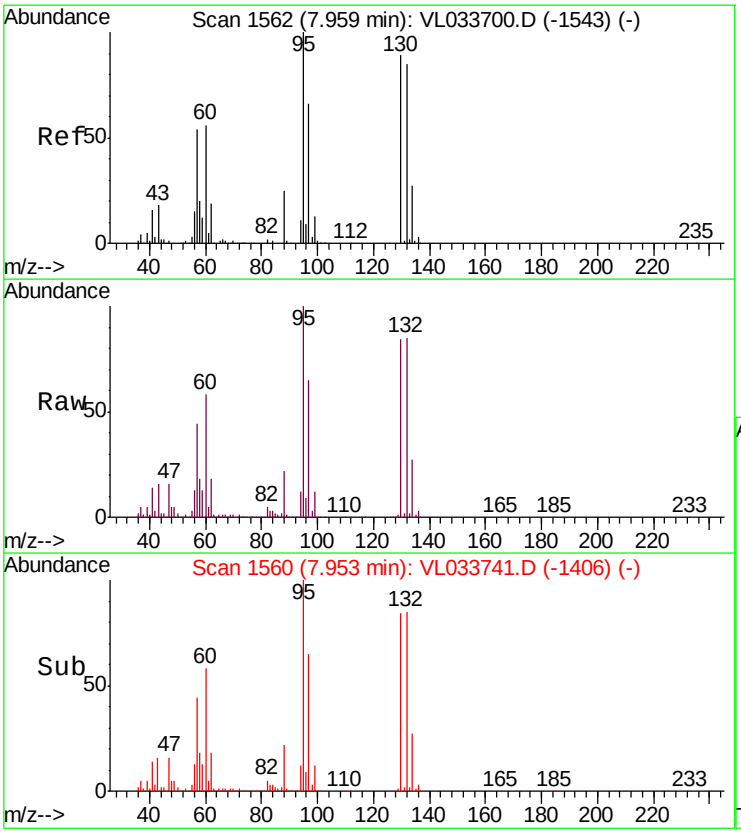
#37
1,2-Dichloroethane
Concen: 9.799 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 62 Resp: 1513873

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.5	6.7

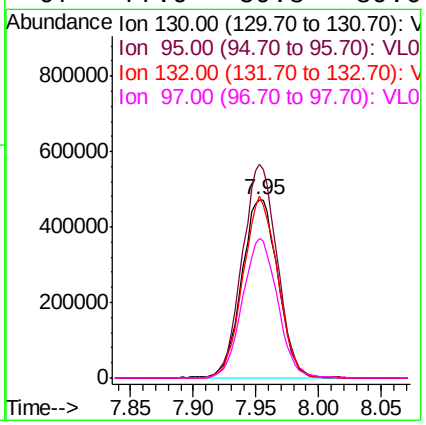


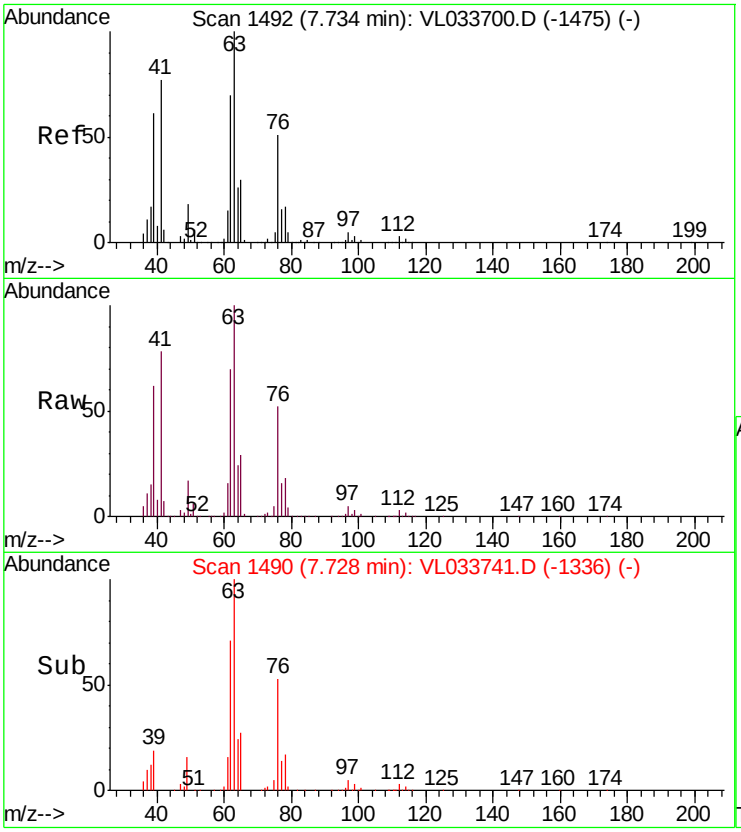


#38
Trichloroethene
Concen: 10.690 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:130 Resp: 950020

Ion	Ratio	Lower	Upper
130	100		
95	119.6	90.2	135.4
132	101.9	76.4	114.6
97	77.9	59.8	89.6



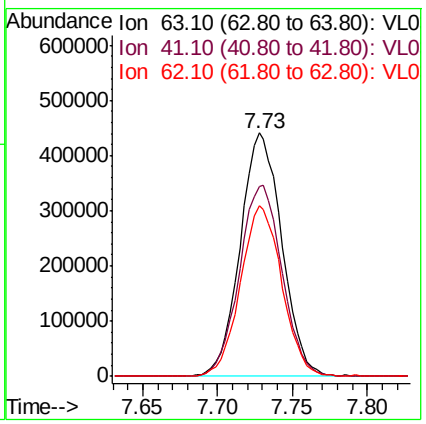


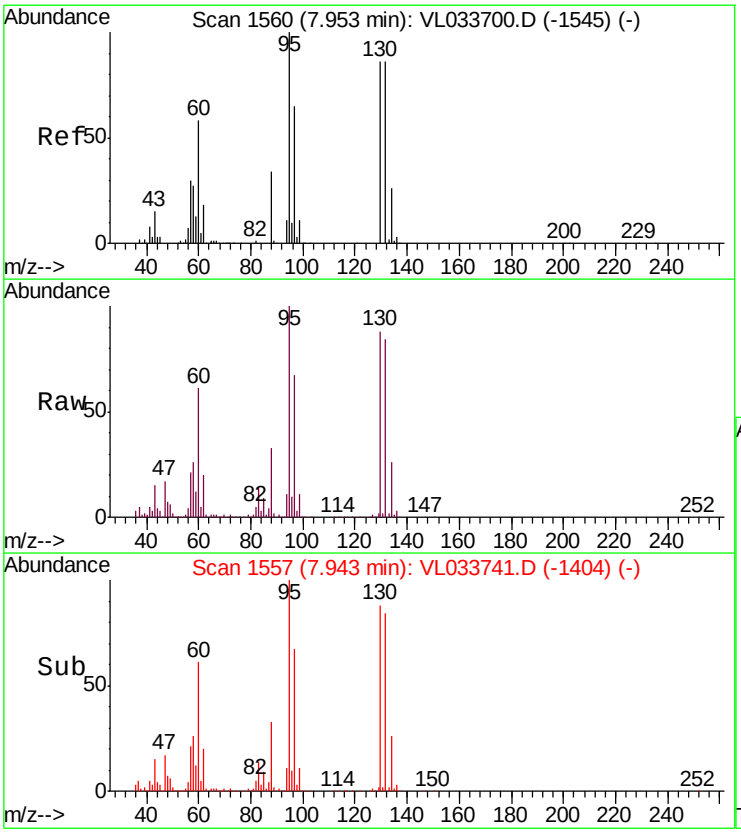
#39
1,2-Dichloropropane
Concen: 9.556 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 63 Resp: 853289

Ion	Ratio	Lower	Upper
63	100		
41	77.8	61.5	92.3
62	70.1	56.2	84.4

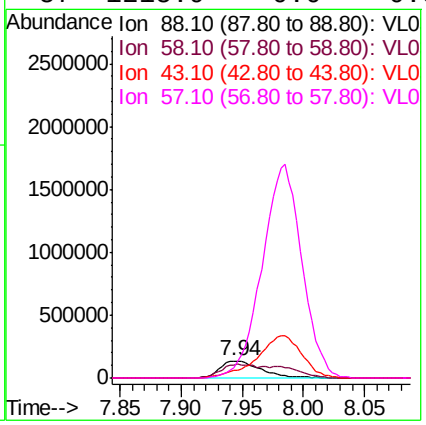


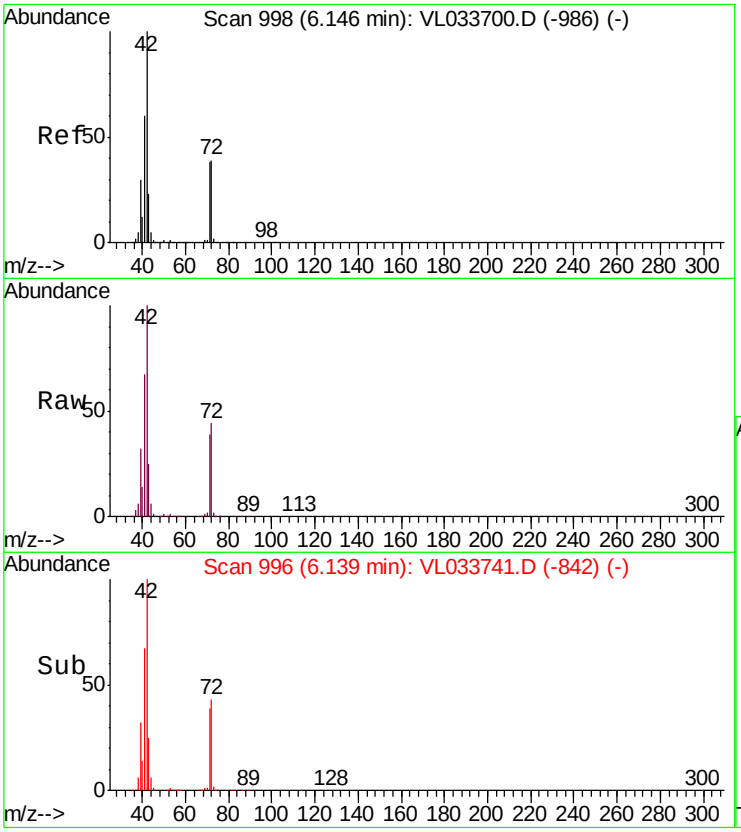


#40
1,4-Dioxane
Concen: 8.511 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 88 Resp: 317912

Ion	Ratio	Lower	Upper
88	100		
58	131.2	101.8	152.6
43	272.4	0.0	0.0#
57	1215.9	0.0	0.0#



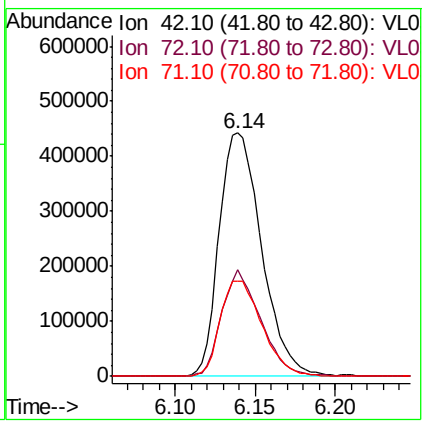


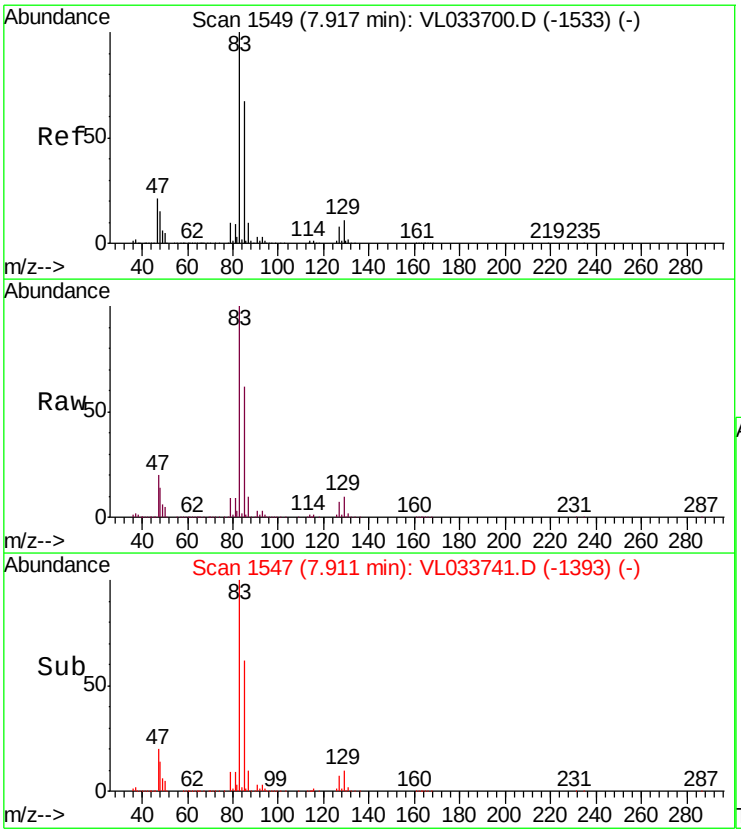
#41
Tetrahydrofuran
Concen: 8.754 ppbv
RT: 6.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 42 Resp: 800517

Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.0	48.0
71	39.1	30.4	45.6

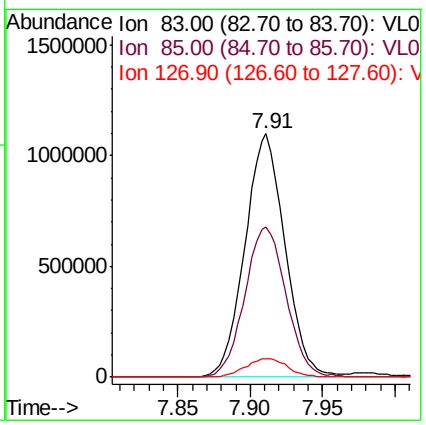


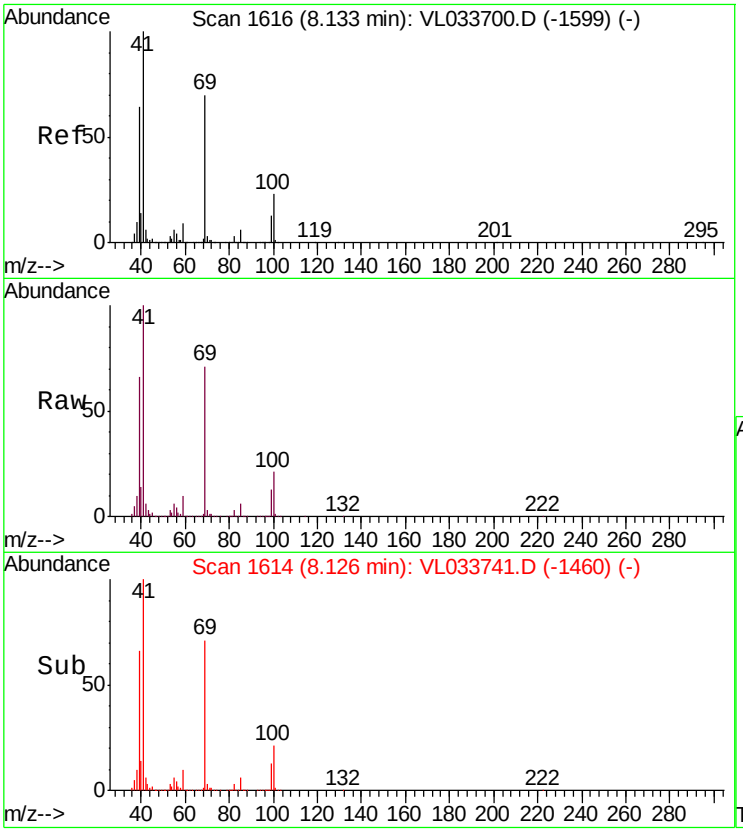


#42
Bromodichloromethane
Concen: 9.964 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 83 Resp: 2107570

Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.3	79.9
127	7.3	6.5	9.7



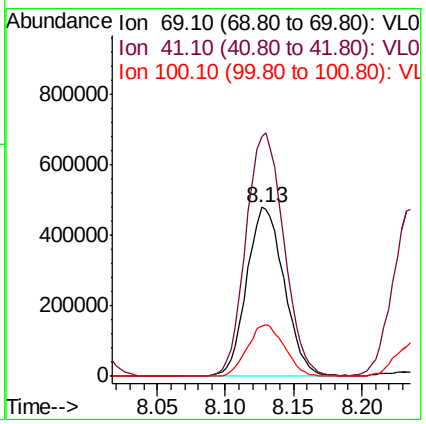


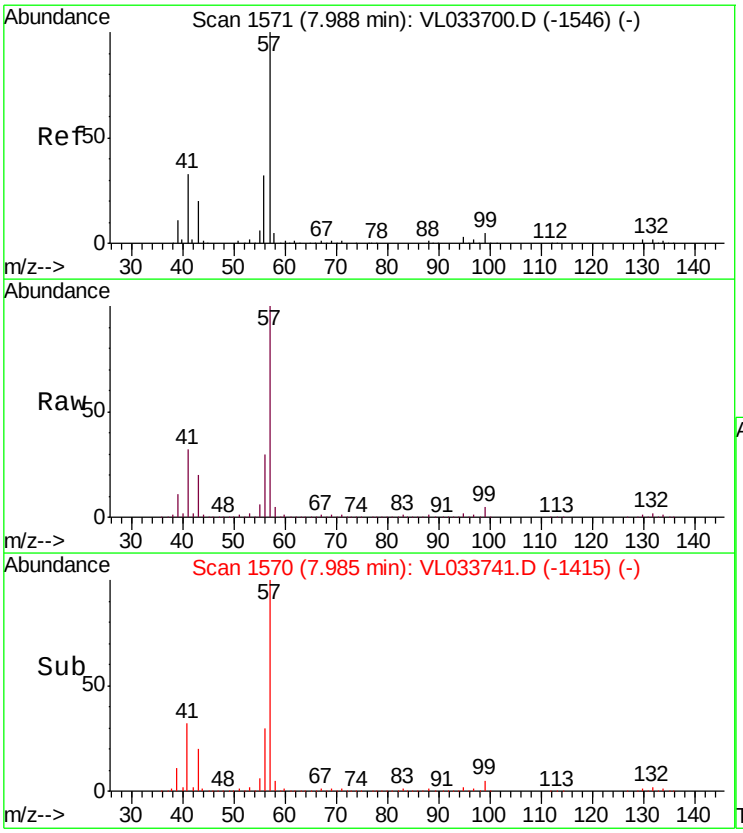
#43
Methyl Methacrylate
Concen: 10.415 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 69 Resp: 918040

Ion	Ratio	Lower	Upper
69	100		
41	145.5	116.3	174.5
100	30.2	25.3	37.9

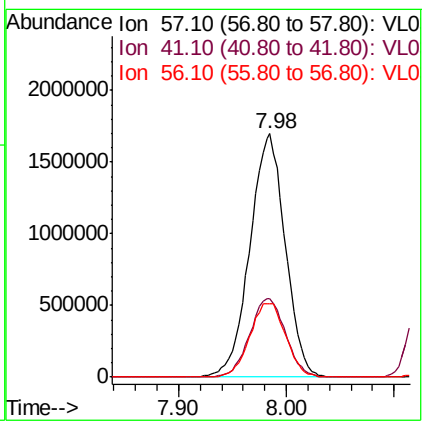


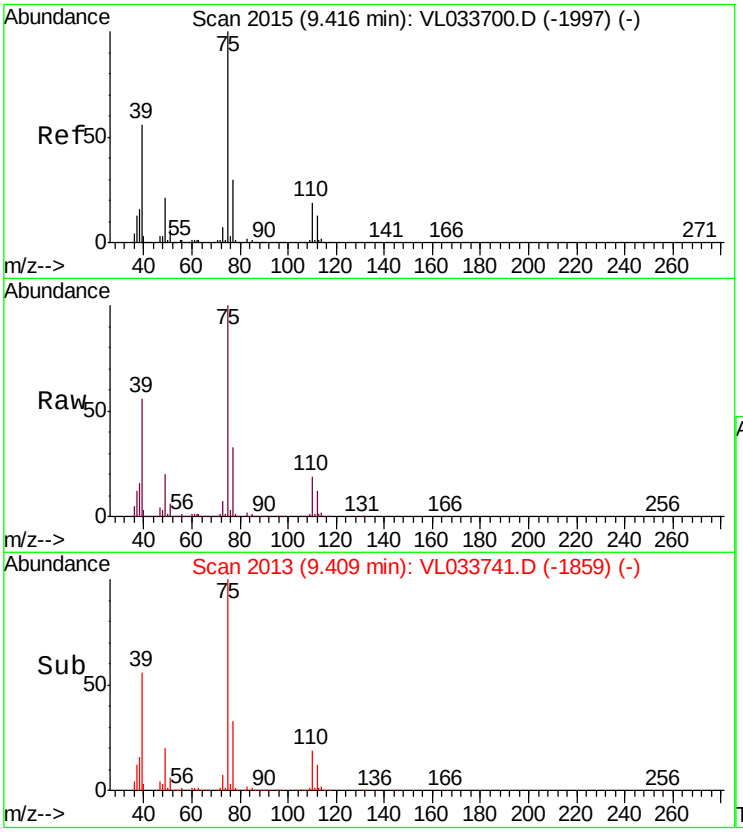


#44
2,2,4-Trimethylpentane
Concen: 9.540 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 57 Resp: 3861622

Ion	Ratio	Lower	Upper
57	100		
41	32.7	25.4	38.0
56	30.9	24.7	37.1



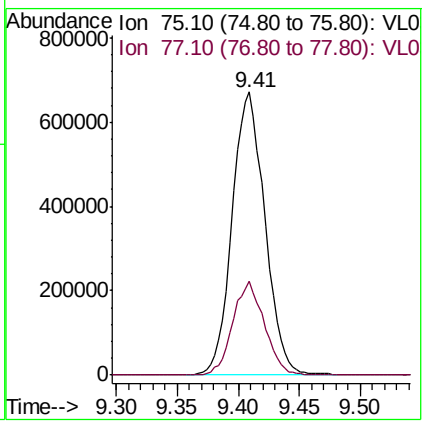


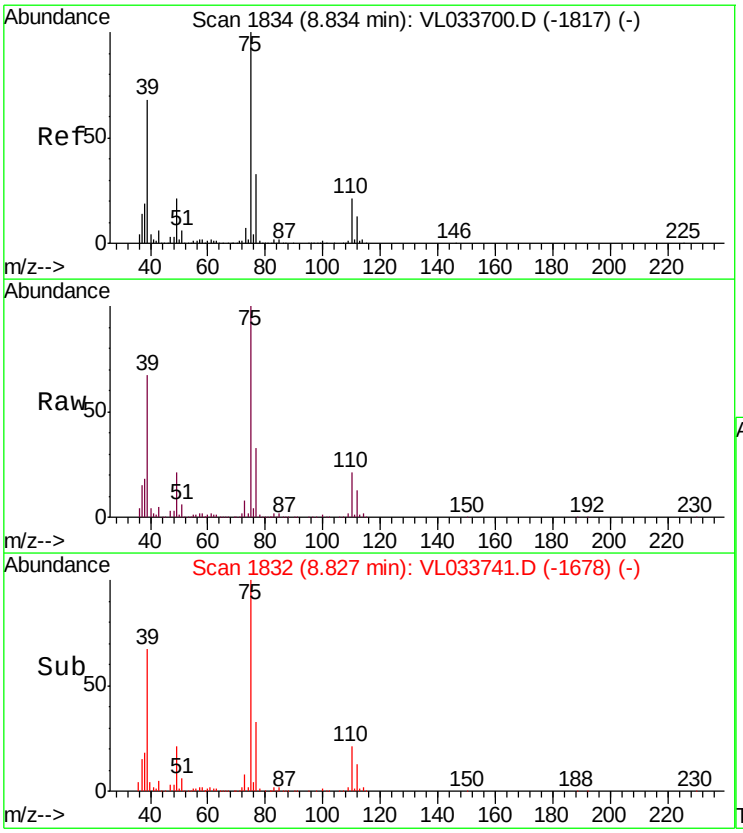
#45
t-1,3-Dichloropropene
Concen: 11.142 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 75 Resp: 1245098

Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.4	36.6

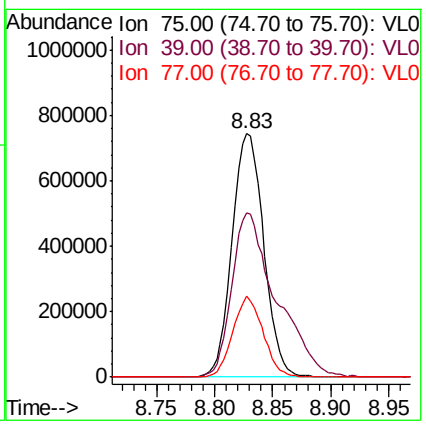


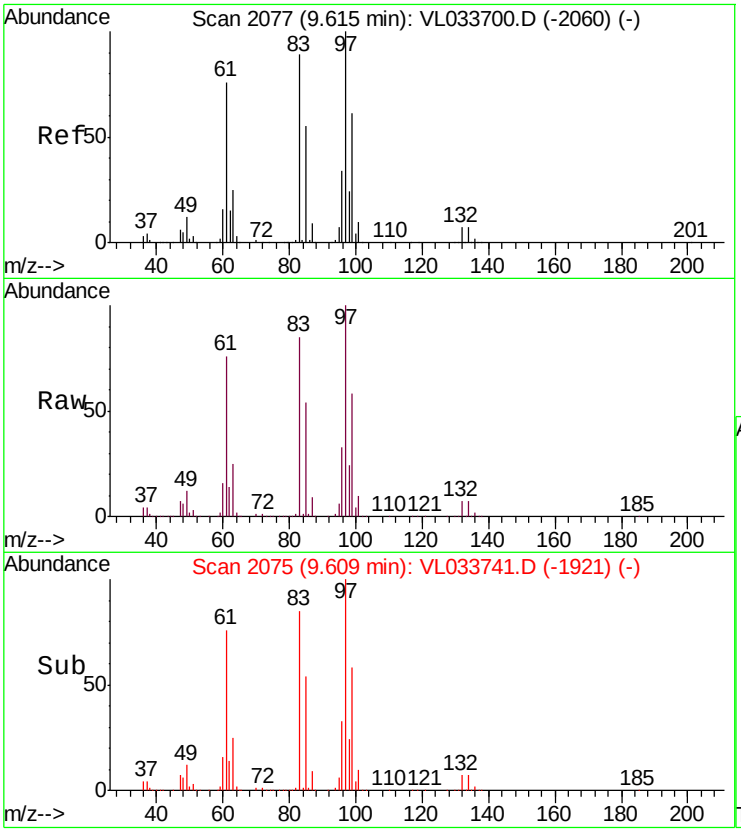


#46
cis-1,3-Dichloropropene
Concen: 10.775 ppbv
RT: 8.83 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 75 Resp: 1409788

Ion	Ratio	Lower	Upper
75	100		
39	67.2	54.4	81.6
77	33.4	26.6	39.8



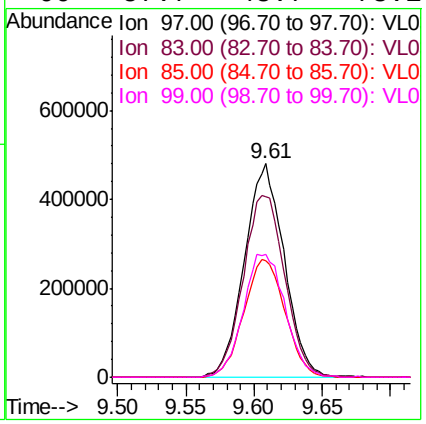


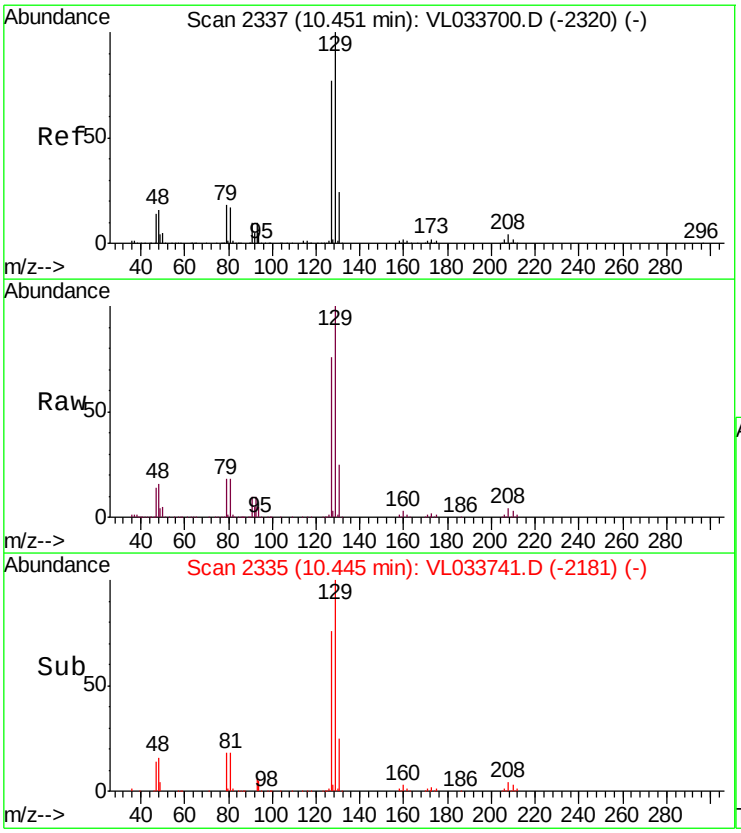
#47
1,1,2-Trichloroethane
Concen: 9.573 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 97 Resp: 971068

Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.8	106.2
85	54.2	43.7	65.5
99	57.7	48.7	73.1

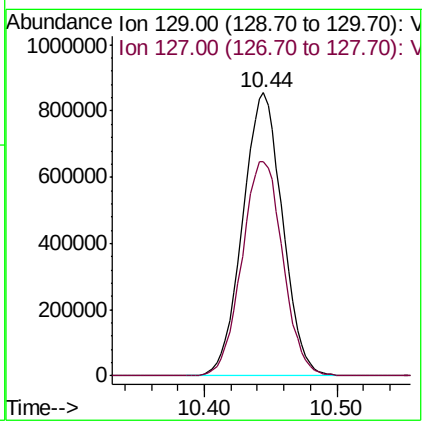


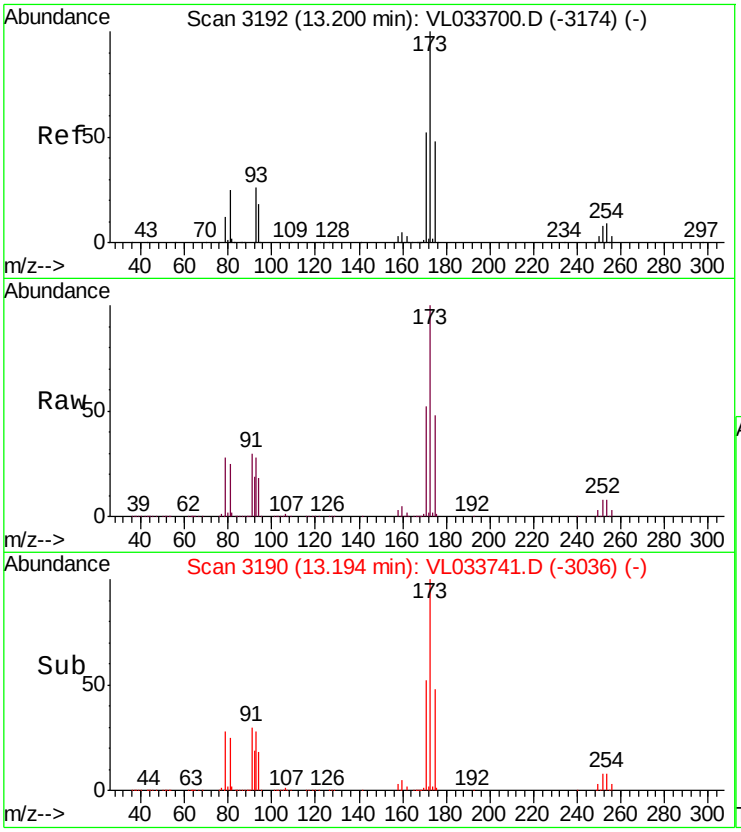


#48
Dibromochloromethane
Concen: 10.182 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:129 Resp: 1789699

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0



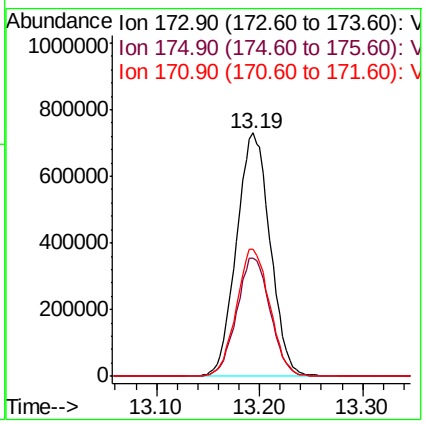


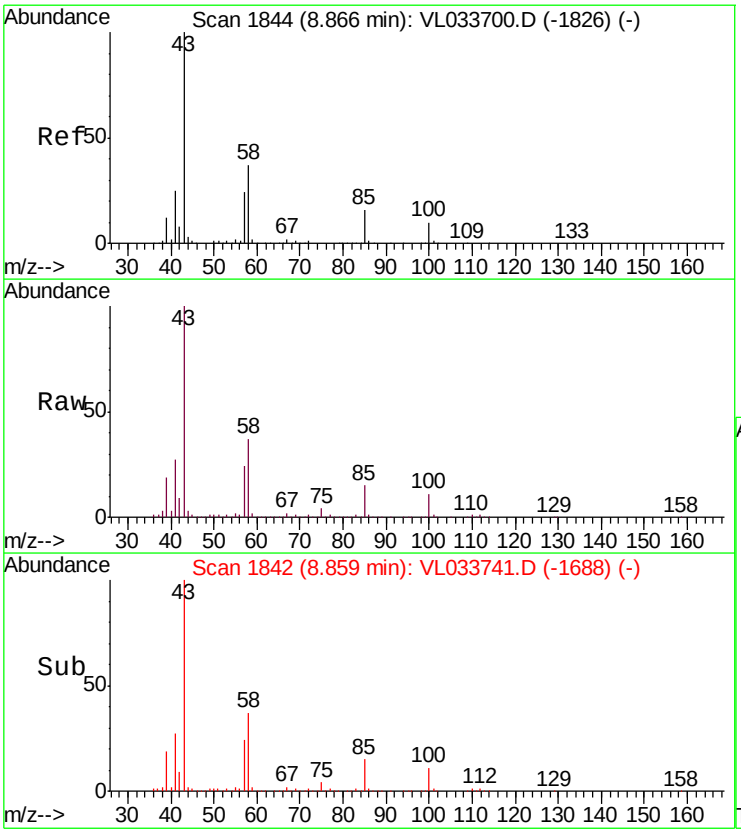
#49
Bromoform
Concen: 11.222 ppbv
RT: 13.19 min Scan# 3190
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:173 Resp: 1659702

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
171	51.8	41.5	62.3

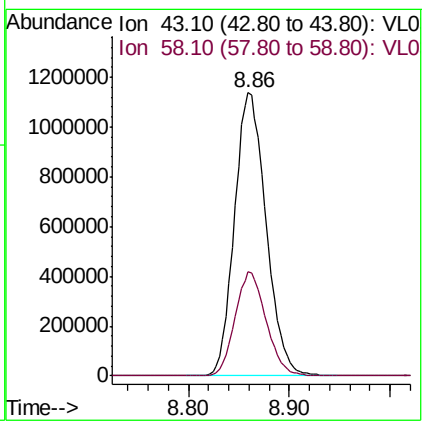


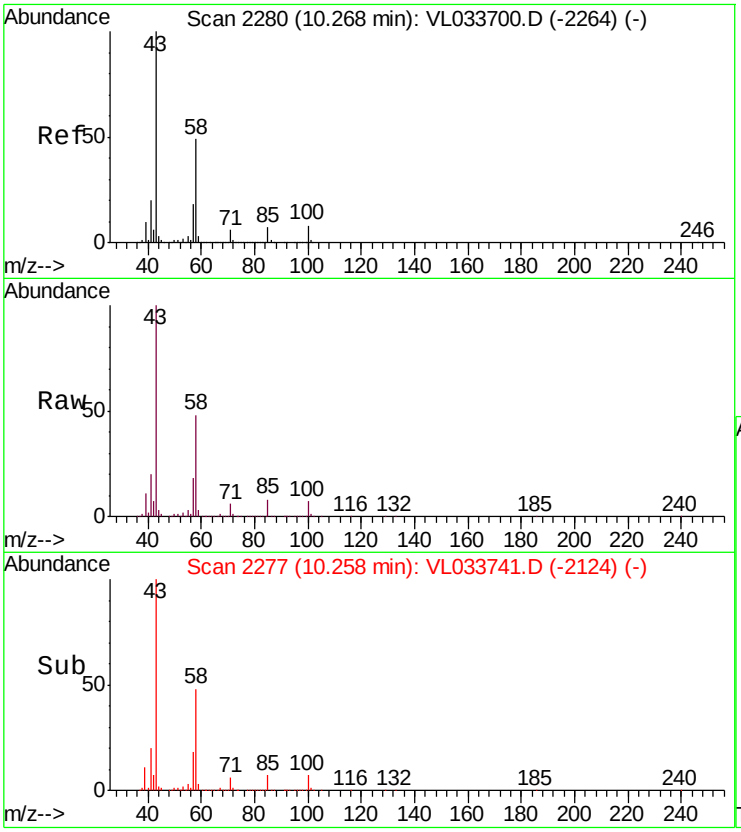


#50
4-Methyl-2-Pentanone
Concen: 9.827 ppbv
RT: 8.86 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 43 Resp: 2466839

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.6	43.0



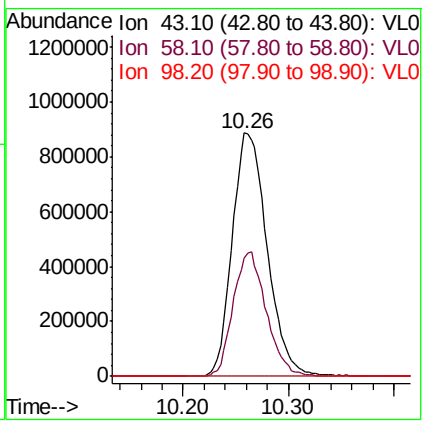


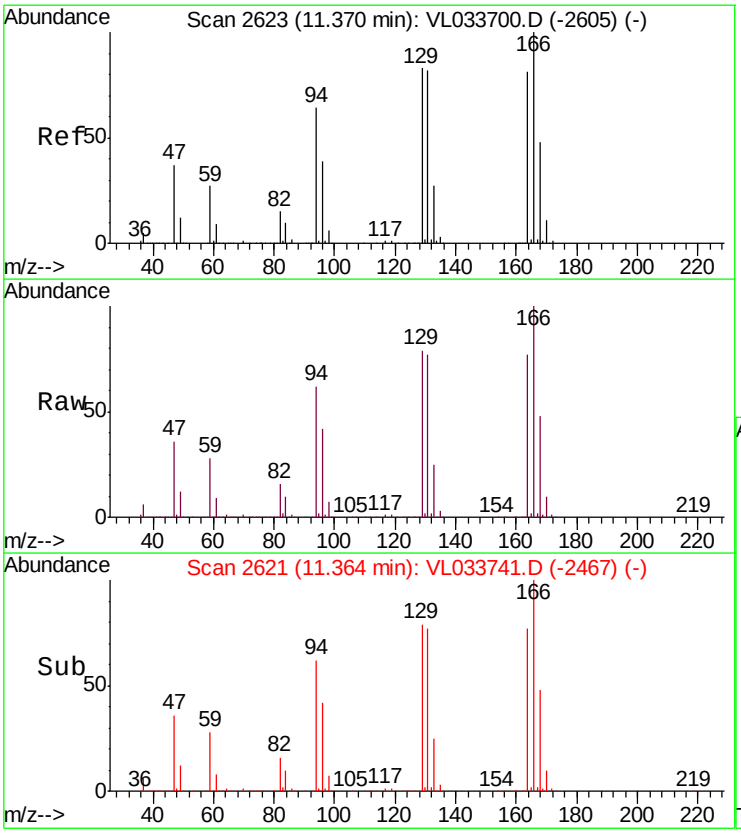
#51
2-Hexanone
Concen: 10.411 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 2039698

Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.7	58.1
98	0.2	0.2	0.4#

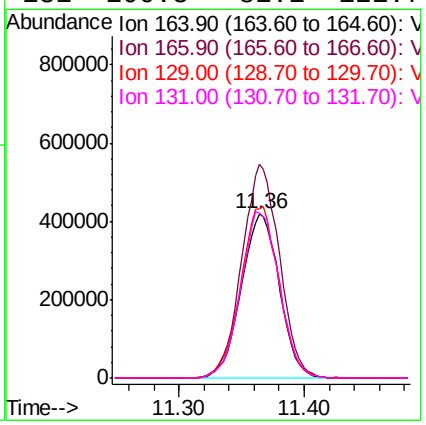


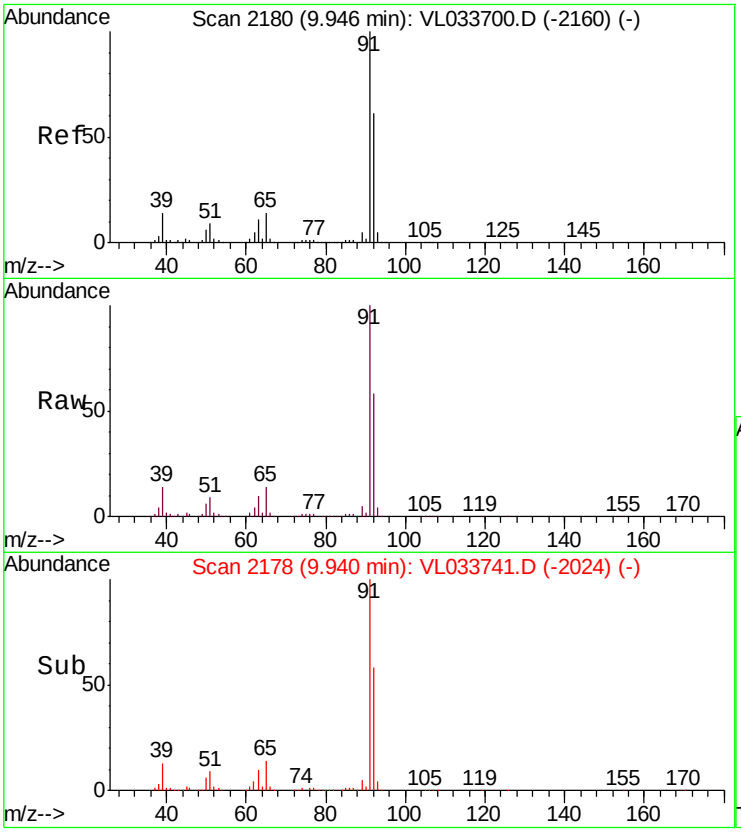


#52
Tetrachloroethene
Concen: 10.474 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:164 Resp: 881844

Ion	Ratio	Lower	Upper
164	100		
166	129.9	98.9	148.3
129	102.5	81.8	122.6
131	100.3	81.1	121.7



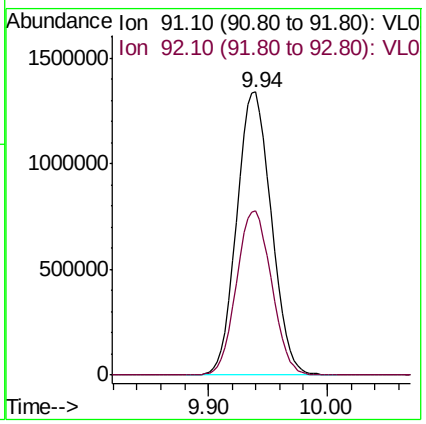


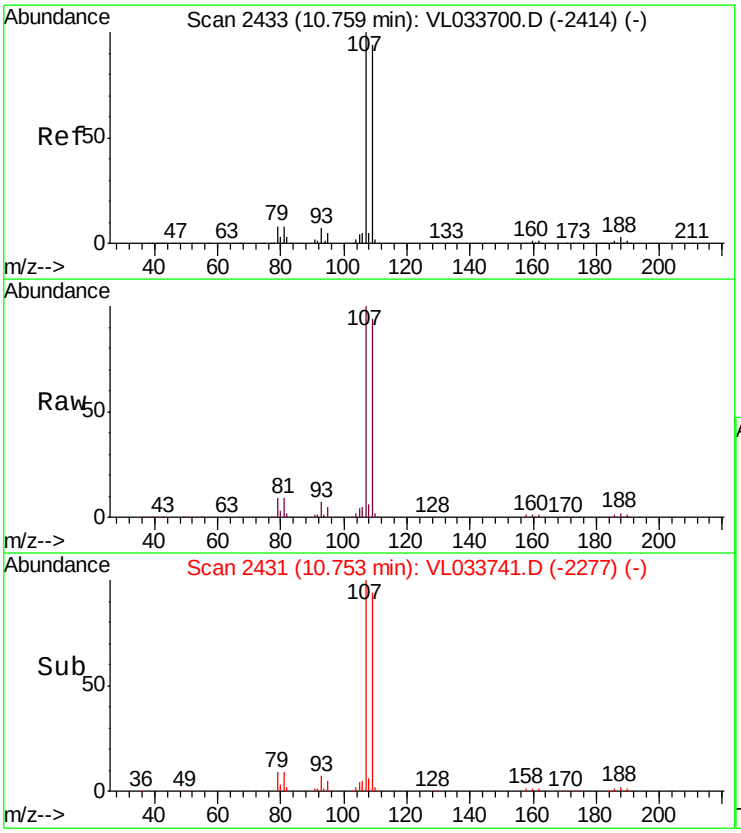
#53
Toluene
Concen: 10.465 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 91 Resp: 2703371

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.6	71.4

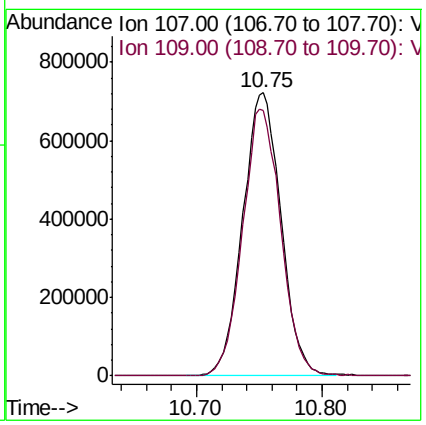


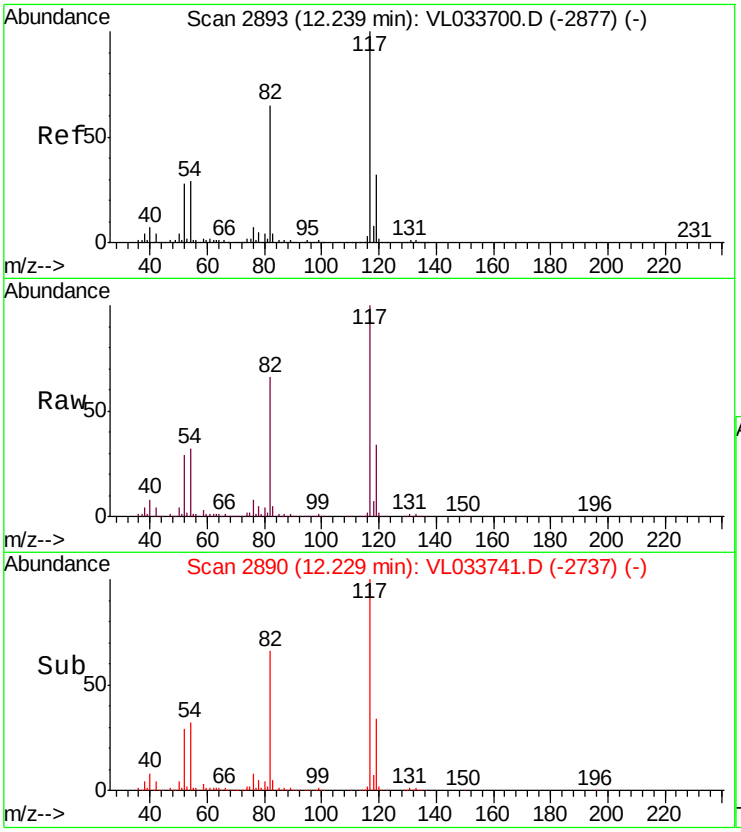


#54
1,2-Dibromoethane
Concen: 9.889 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:107 Resp: 1530936

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.2	112.8



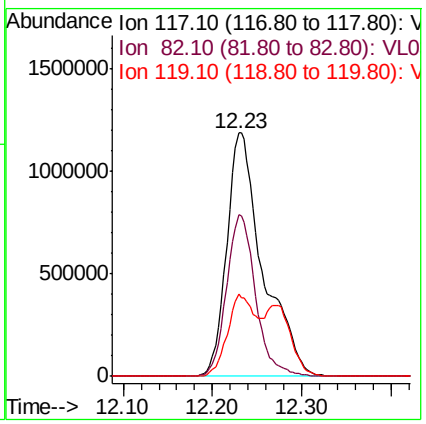


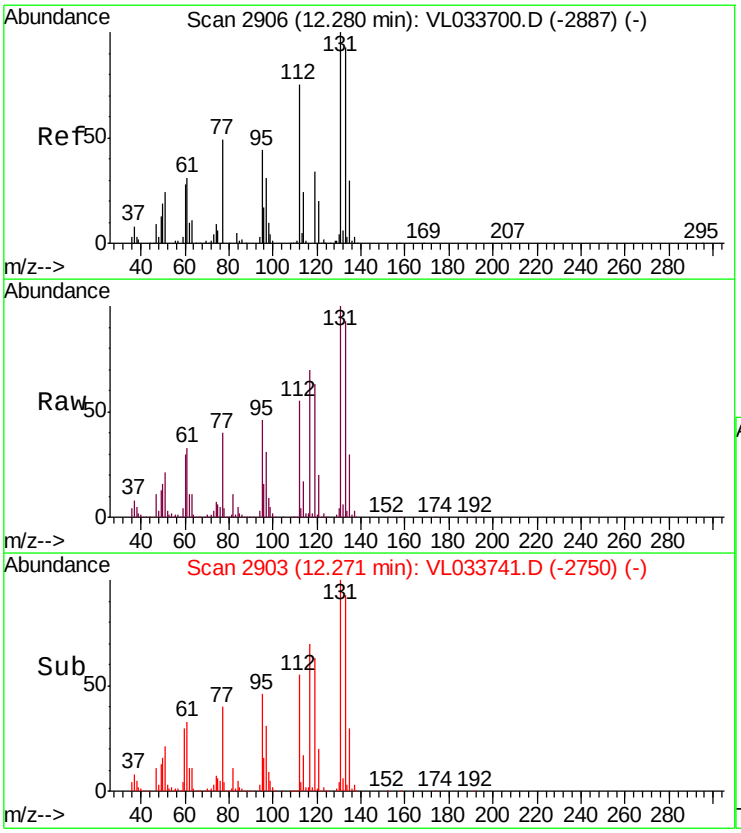
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:117 Resp: 3338949

Ion	Ratio	Lower	Upper
117	100		
82	53.4	49.4	74.0
119	28.4	24.9	37.3

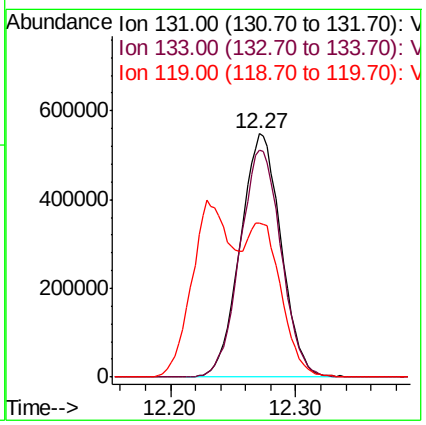


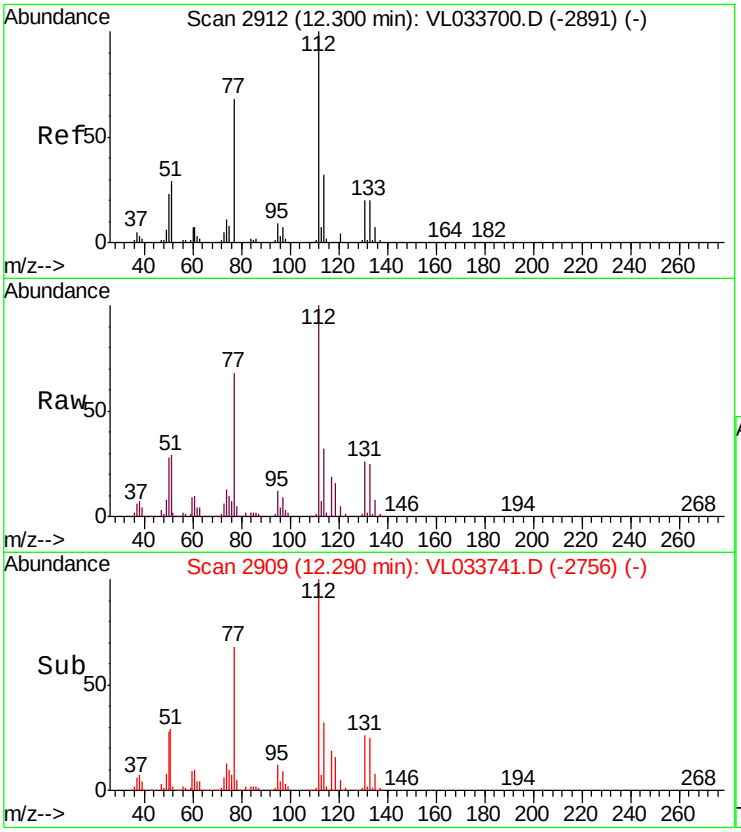


#56
1,1,1,2-Tetrachloroethane
Concen: 7.995 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:131 Resp: 1235329

Ion	Ratio	Lower	Upper
131	100		
133	94.9	76.6	114.8
119	56.9	49.0	73.4



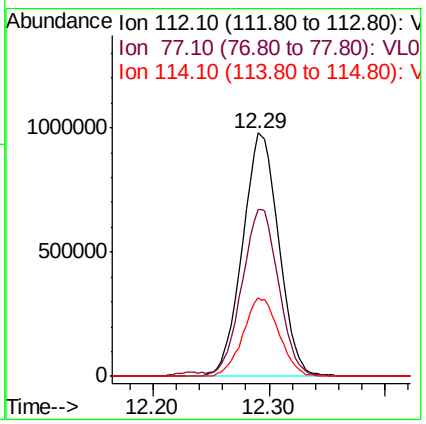


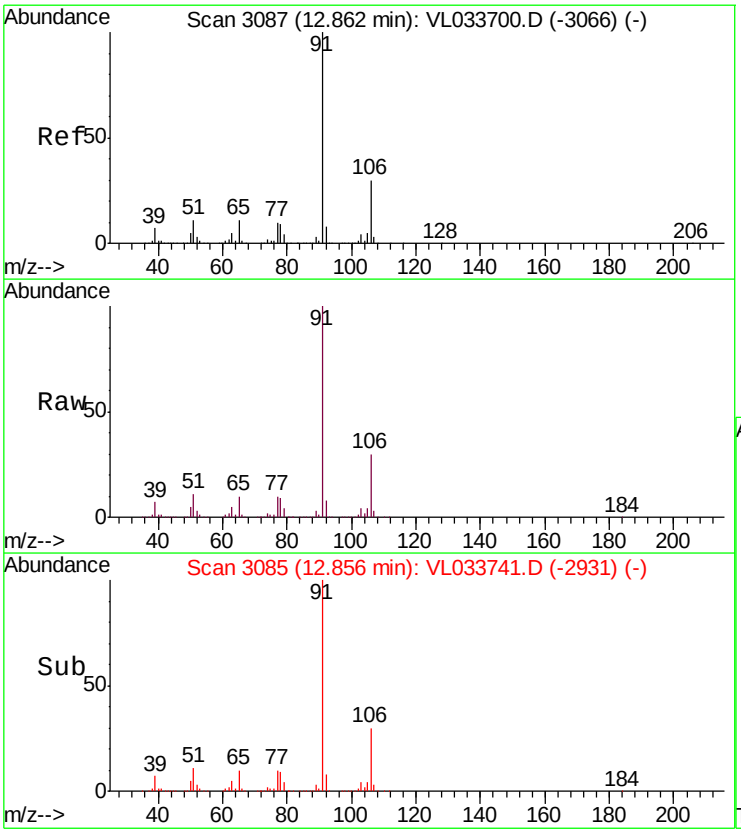
#57
Chlorobenzene
Concen: 7.756 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:112 Resp: 2131812

Ion	Ratio	Lower	Upper
112	100		
77	68.0	55.4	83.0
114	32.0	29.3	35.8

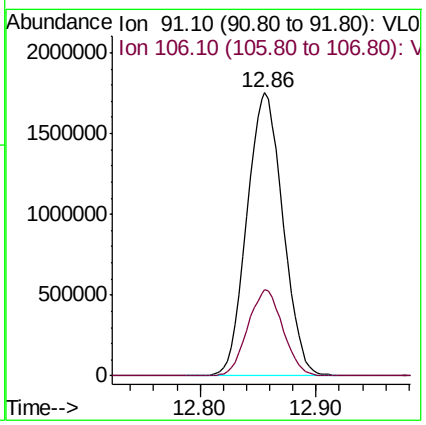


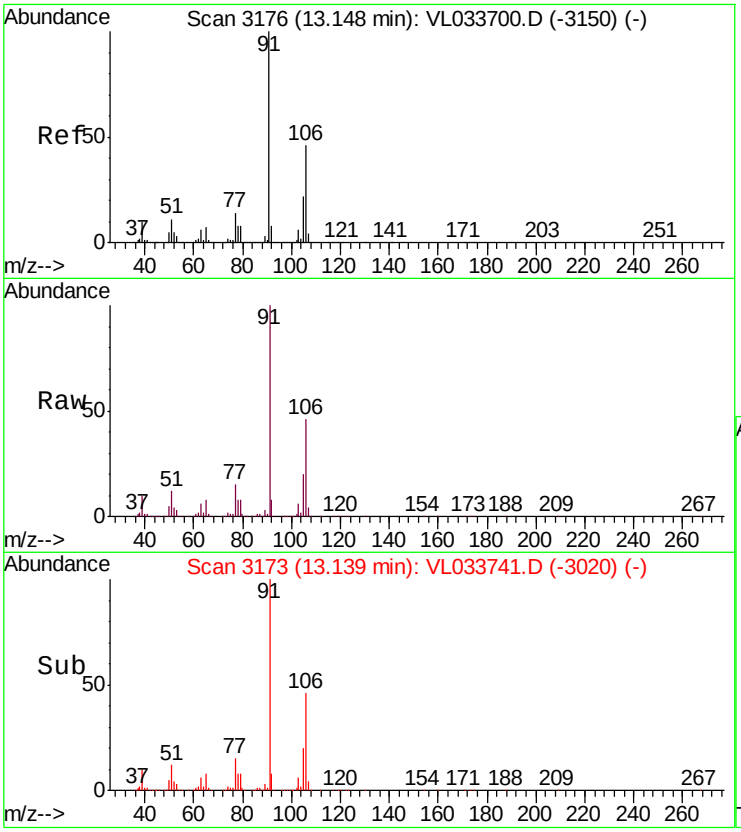


#58
Ethyl Benzene
Concen: 8.571 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 91 Resp: 3789563

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.9	35.9



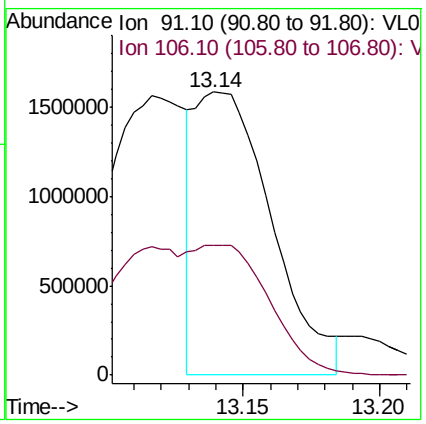


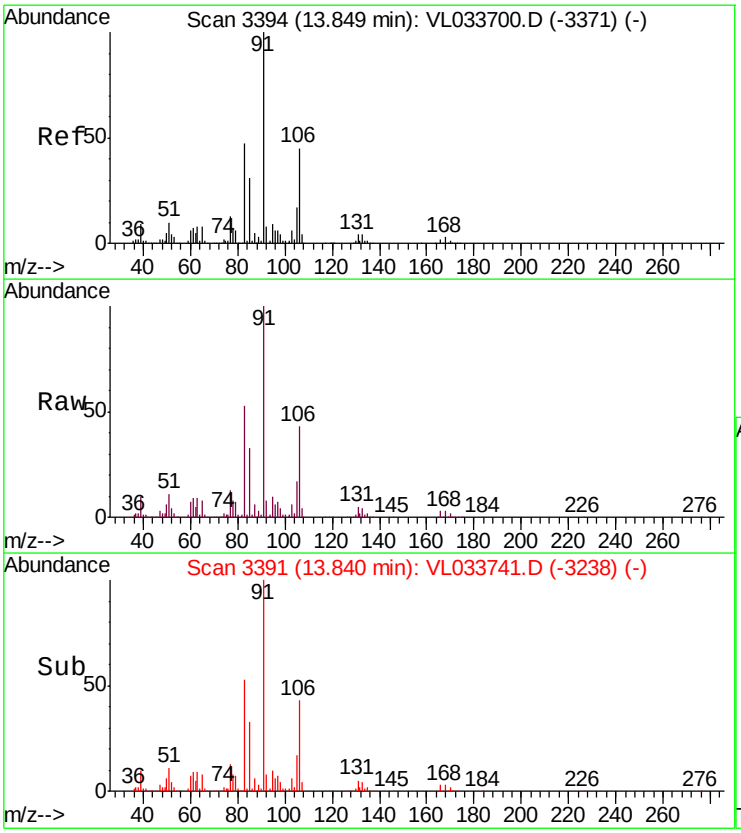
#59
m/p-Xylene
Concen: 7.960 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 91 Resp: 3076709

Ion	Ratio	Lower	Upper
91	100		
106	93.3	35.8	53.6#

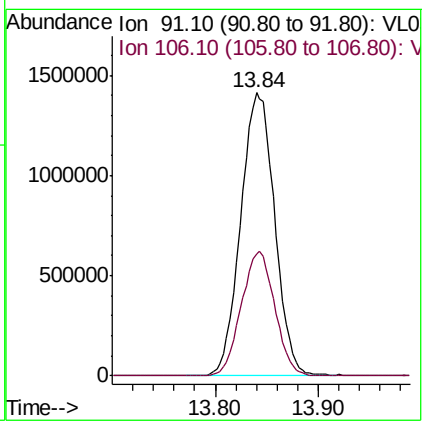


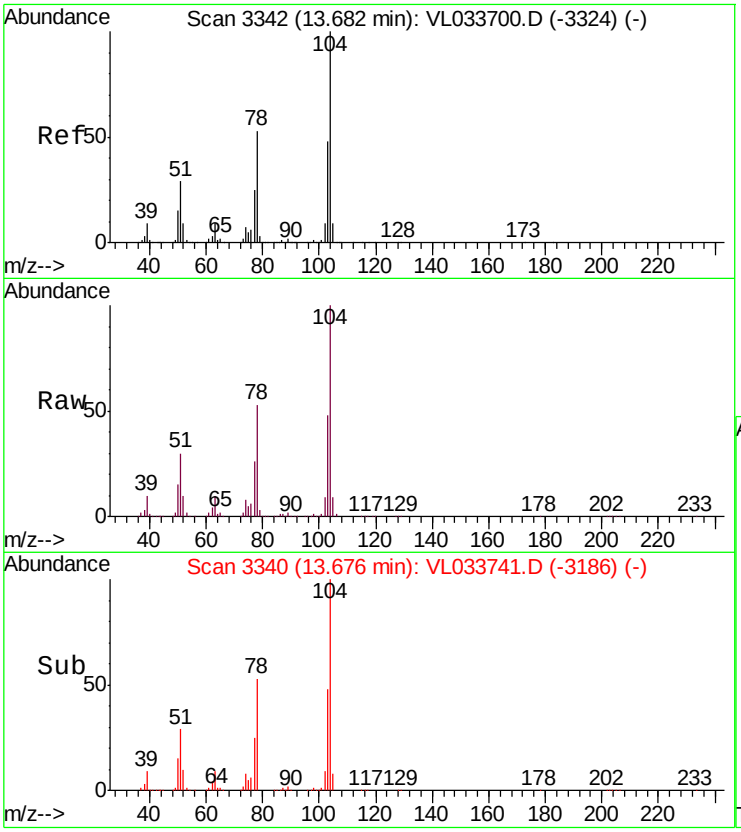


#60
o-Xylene
Concen: 8.302 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 91 Resp: 3234893

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.6	64.8



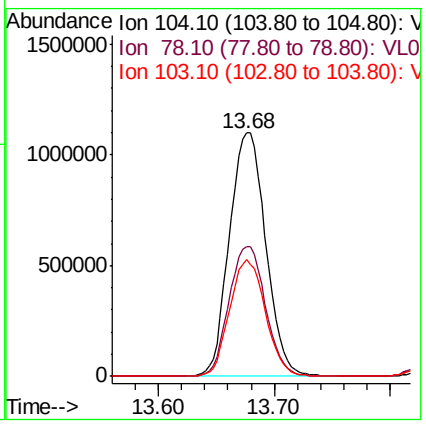


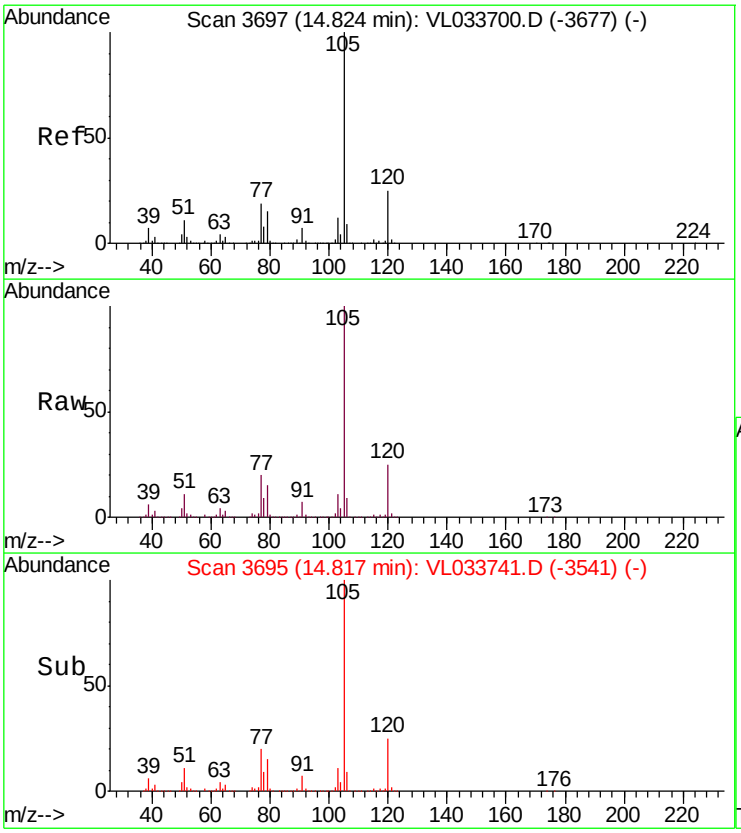
#61
Styrene
Concen: 9.096 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:104 Resp: 2386024

Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.6	64.0
103	47.3	37.8	56.6

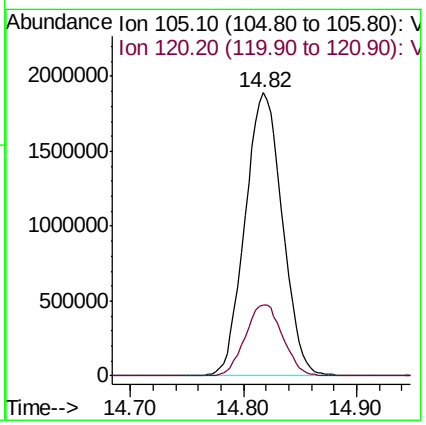


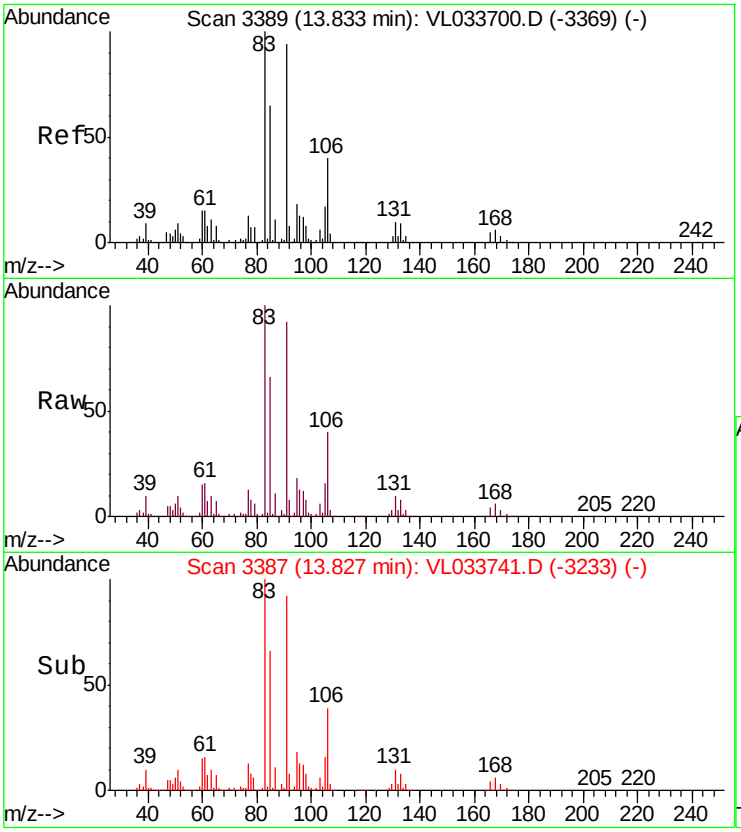


#62
Isopropylbenzene
Concen: 8.258 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:105 Resp: 4332946

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1



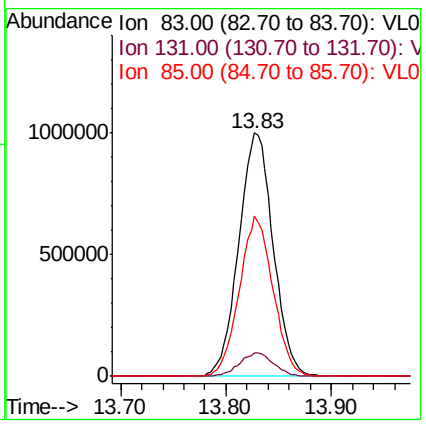


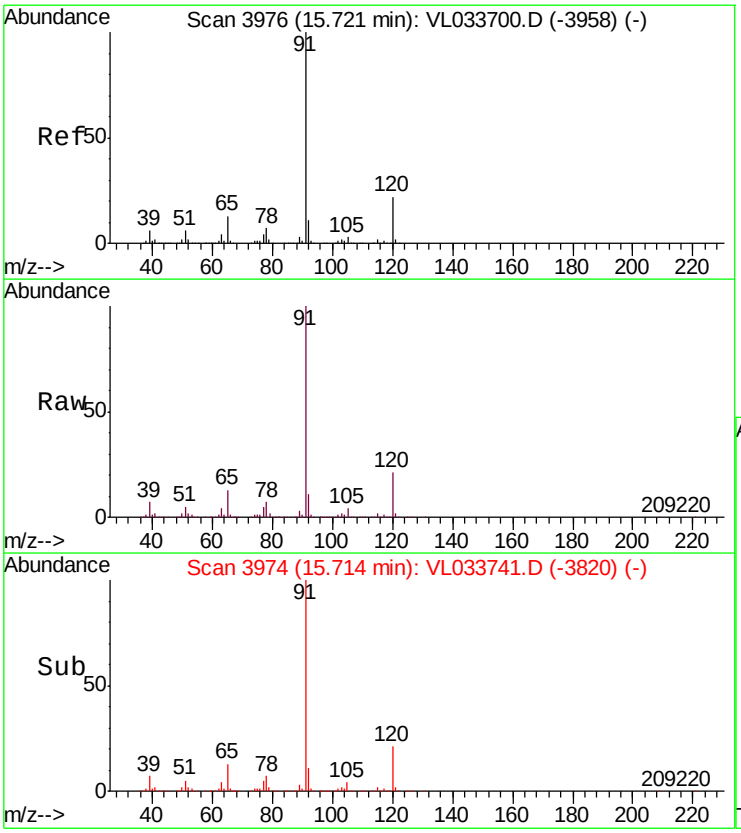
#63
1,1,2,2-Tetrachloroethane
Concen: 8.024 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 83 Resp: 2273511

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	64.5	32.3	96.9

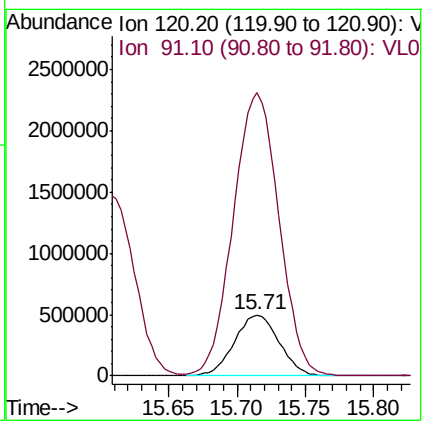


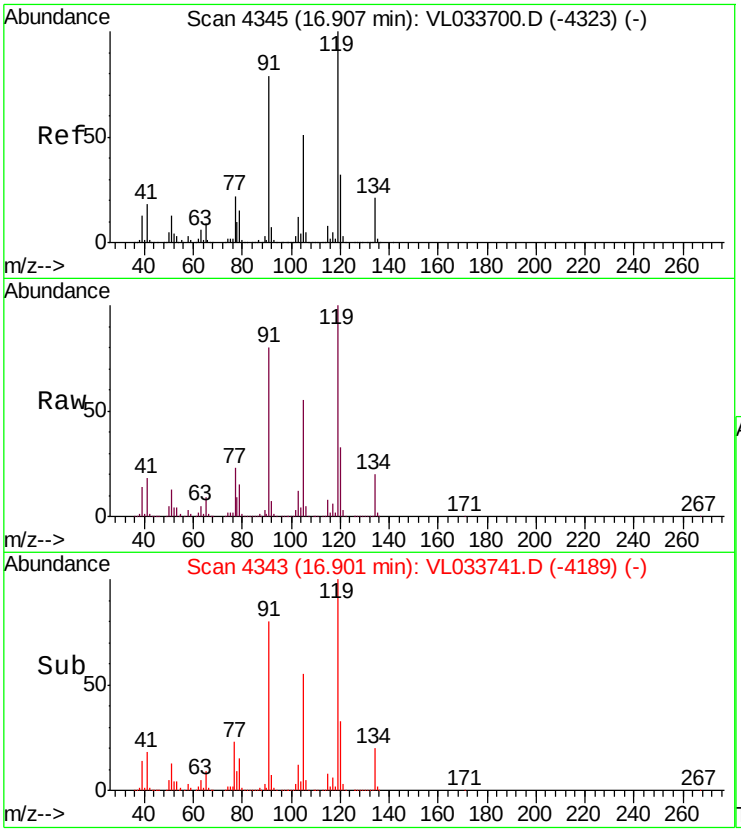


#64
n-propylbenzene
Concen: 8.353 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:120 Resp: 1133708

Ion	Ratio	Lower	Upper
120	100		
91	475.6	379.1	568.7



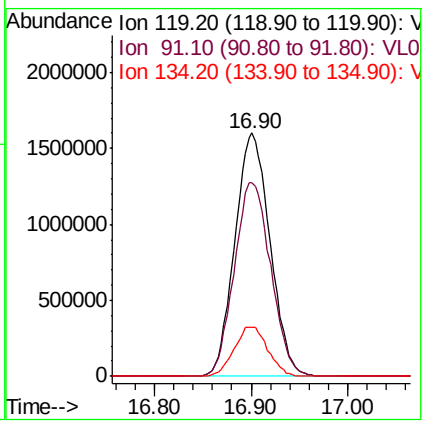


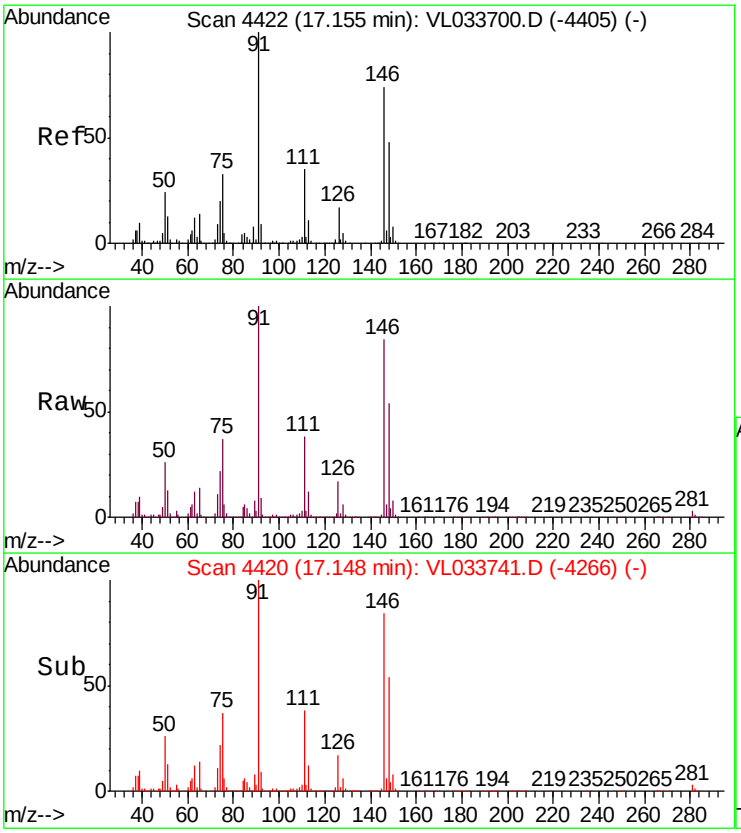
#65
tert-Butylbenzene
Concen: 8.437 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:119 Resp: 4041765

Ion	Ratio	Lower	Upper
119	100		
91	82.9	65.3	97.9
134	19.5	15.7	23.5

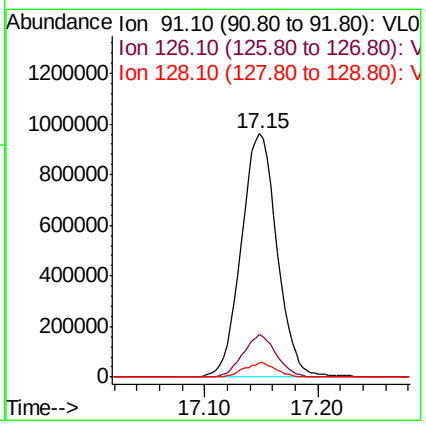


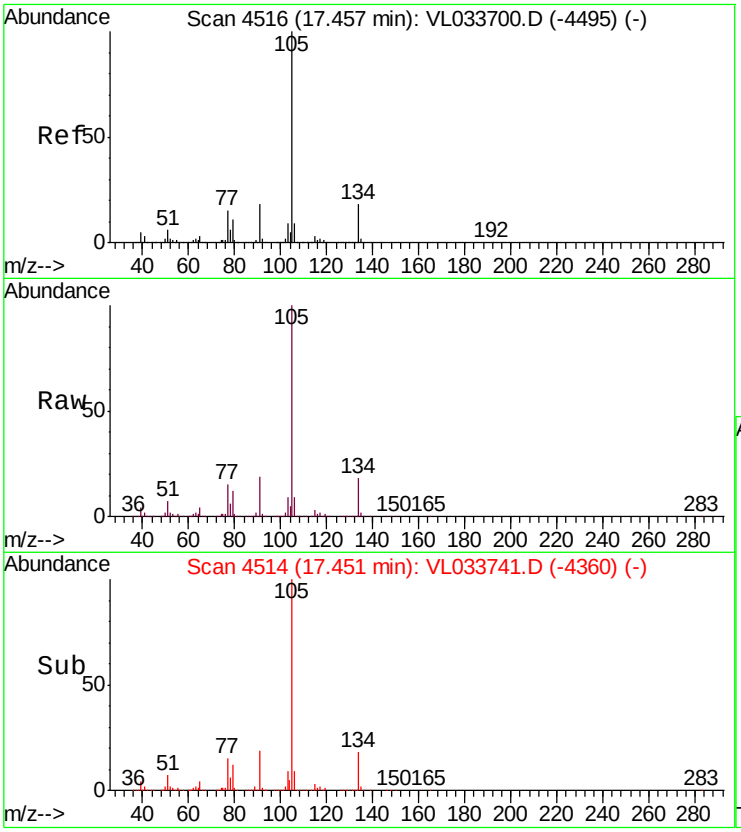


#66
Benzyl Chloride
Concen: 9.267 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 91 Resp: 2114466

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.5	20.3
128	5.3	4.3	6.5



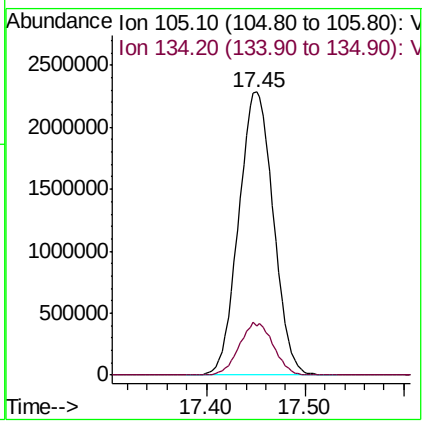


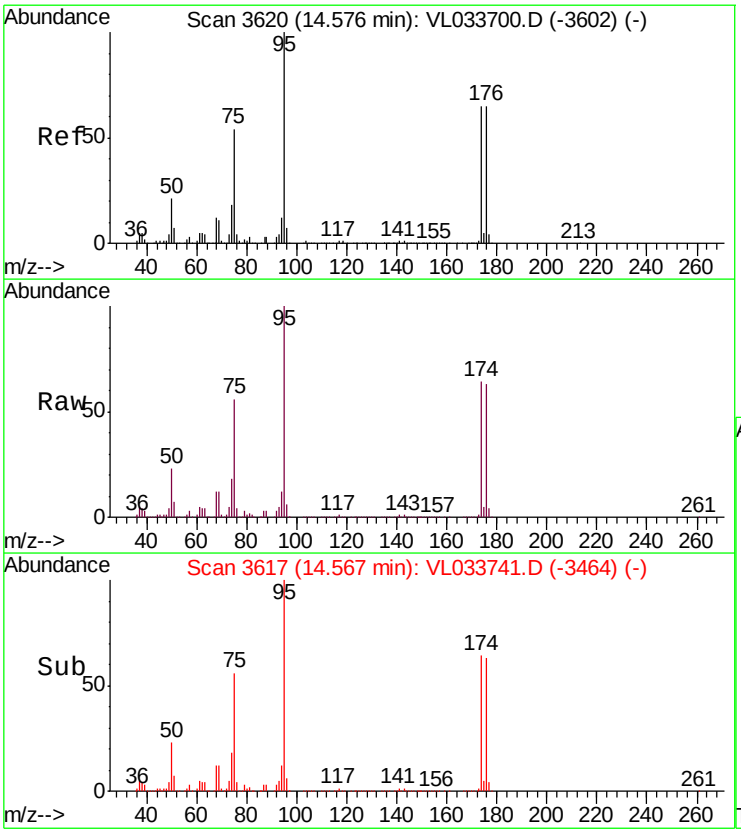
#67
sec-Butylbenzene
Concen: 8.272 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:105 Resp: 5547036

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	22.0

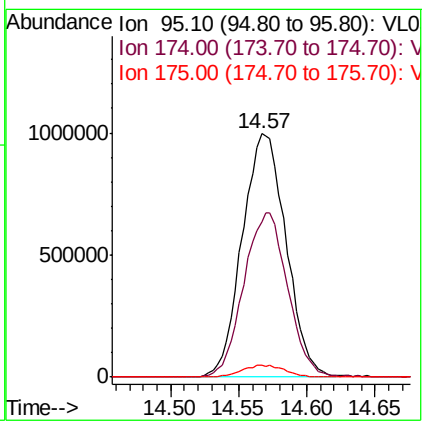


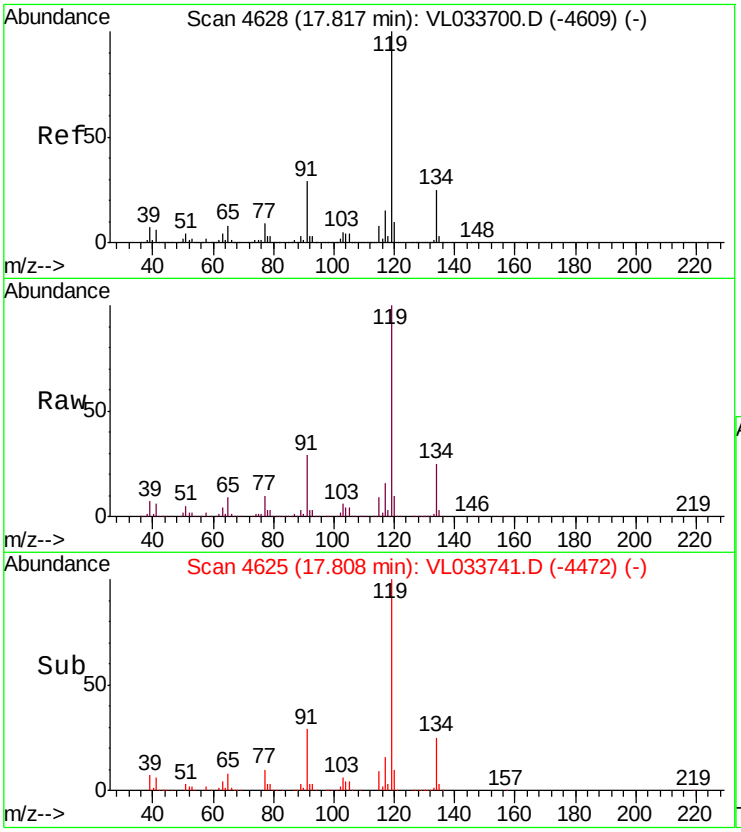


#68
1-Bromo-4-Fluorobenzene
Concen: 8.206 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 95 Resp: 2221093

Ion	Ratio	Lower	Upper
95	100		
174	67.6	53.9	80.9
175	4.9	3.8	5.8



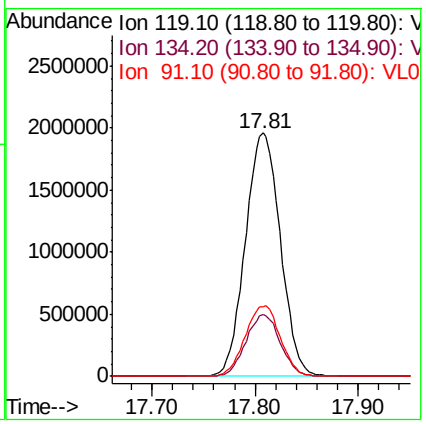


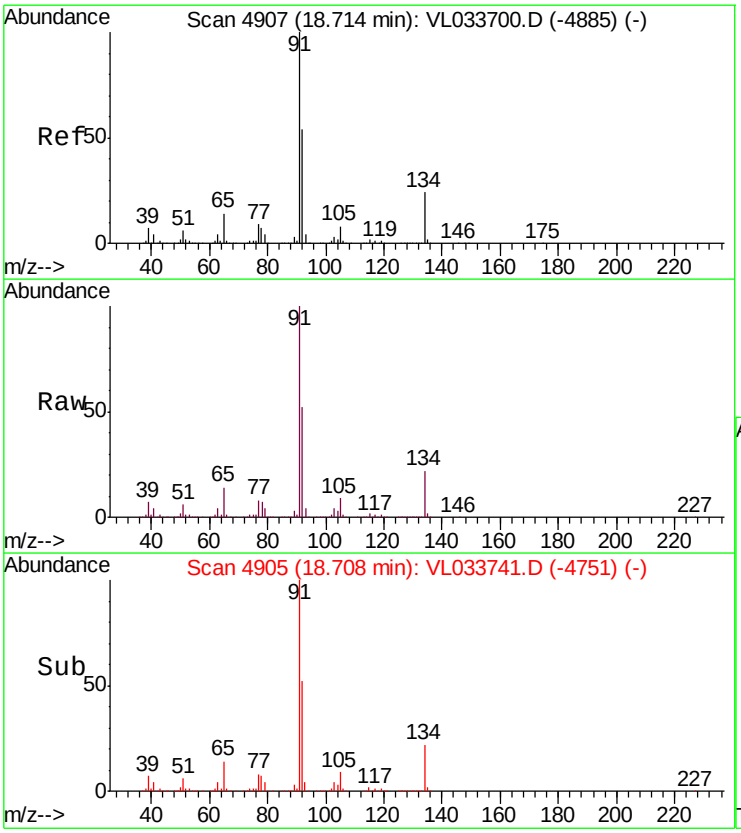
#69
p-Isopropyltoluene
Concen: 8.322 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:119 Resp: 4612526

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.2	23.1	34.7

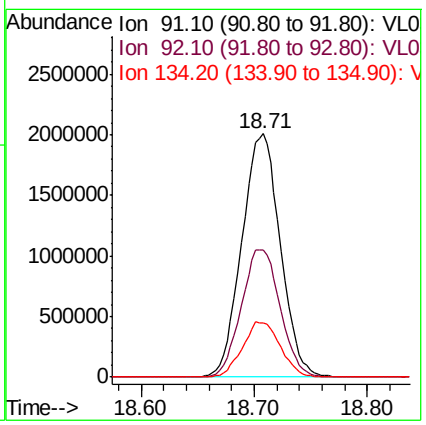


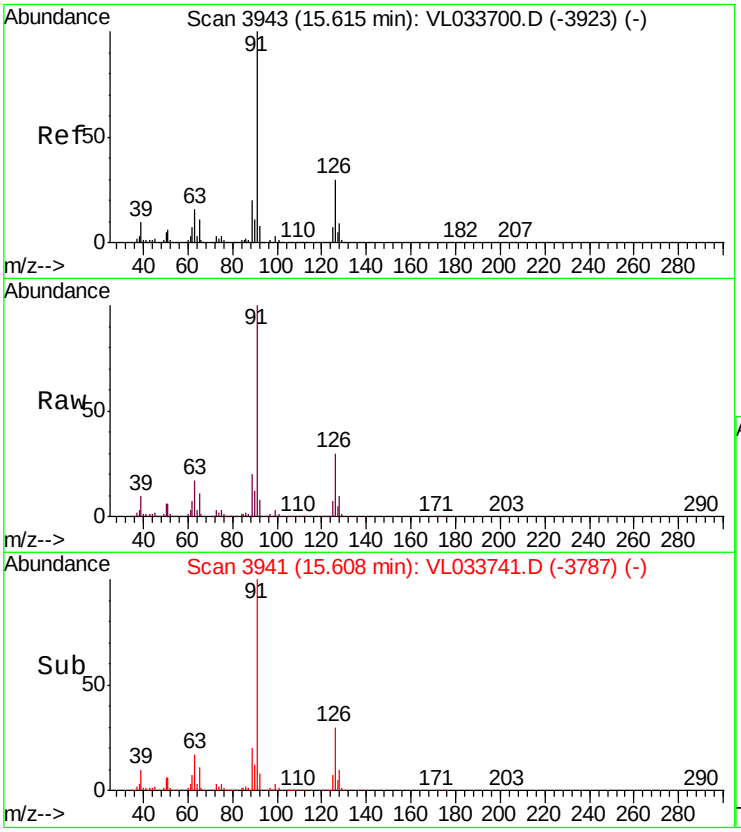


#70
n-Butylbenzene
Concen: 7.974 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion: 91 Resp: 4739000

Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	63.8
134	22.3	18.1	27.1



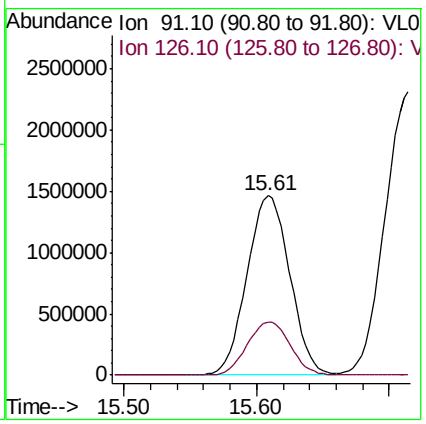


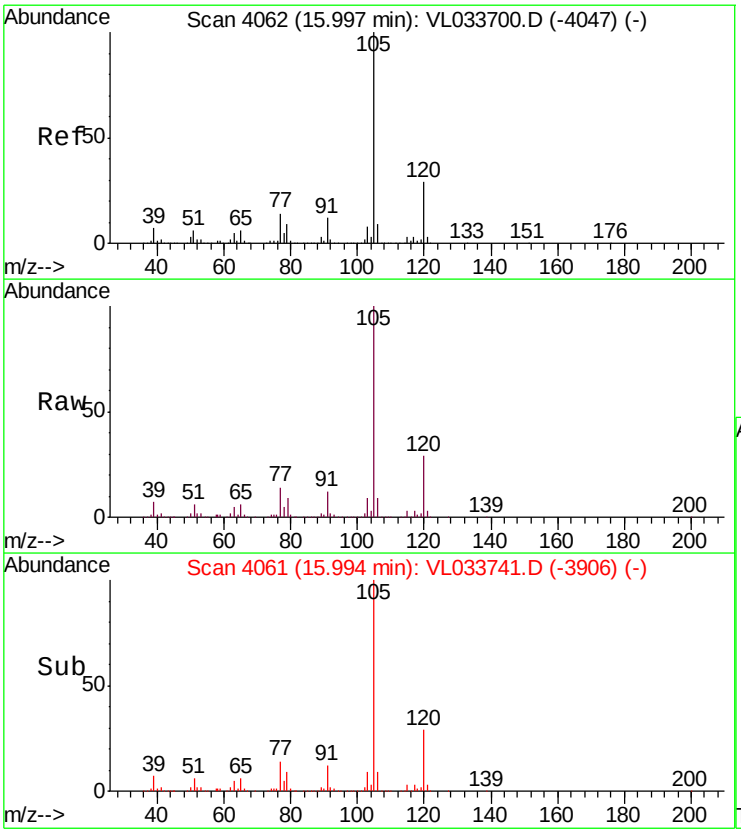
#71
2-Chlorotoluene
Concen: 8.466 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 91 Resp: 3295789

Ion	Ratio	Lower	Upper
91	100		
126	29.7	12.0	47.8

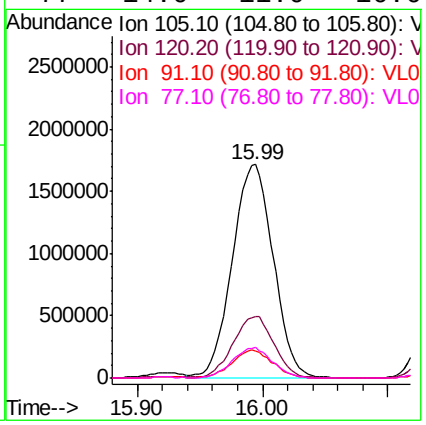


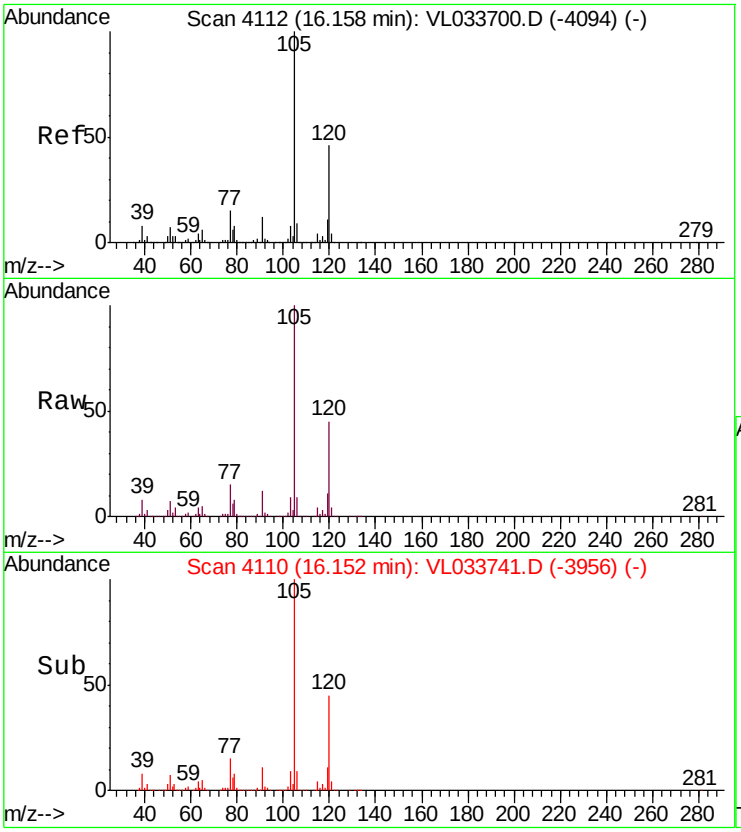


#72
4-Ethyltoluene
Concen: 8.724 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:105 Resp: 3886727

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.1	34.7
91	12.9	10.4	15.6
77	14.0	11.0	16.6



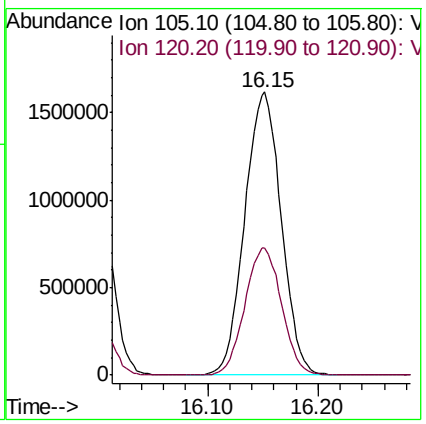


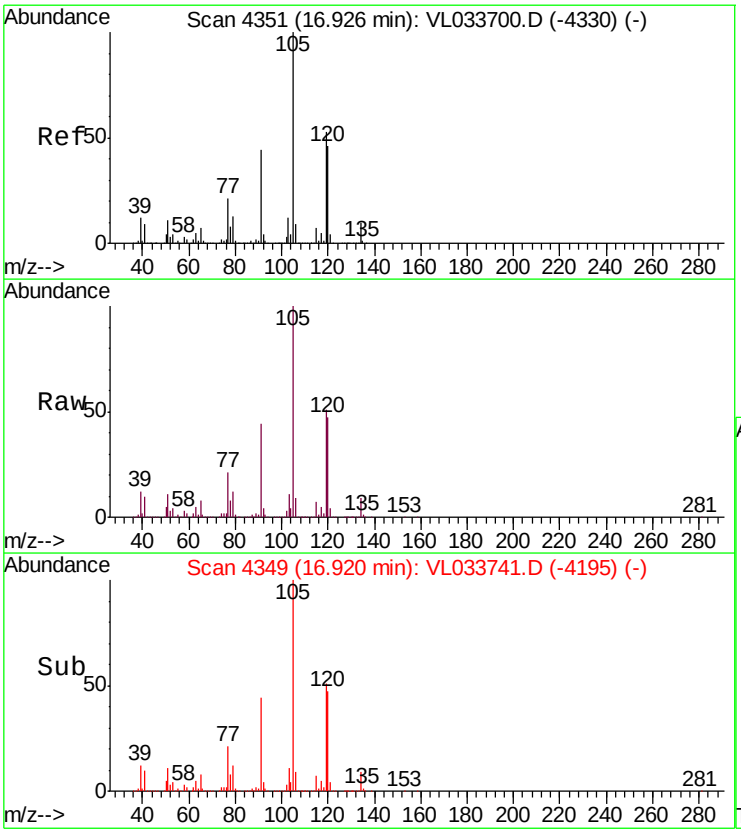
#73
1,3,5-Trimethylbenzene
Concen: 8.495 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:105 Resp: 3692389

Ion	Ratio	Lower	Upper
105	100		
120	44.9	37.0	55.4

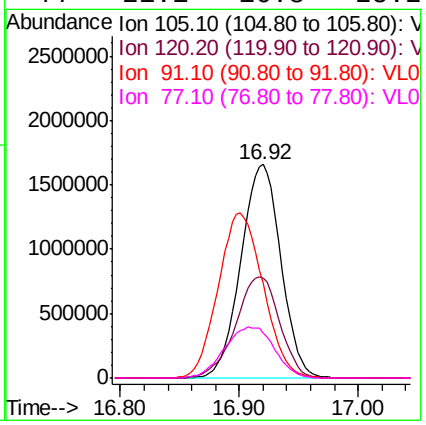


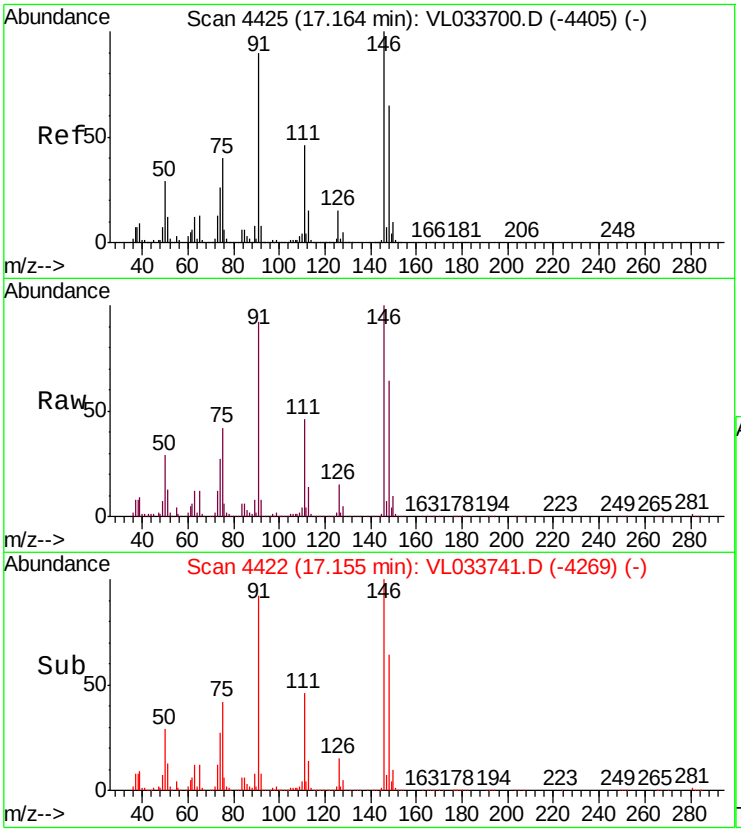


#74
1,2,4-Trimethylbenzene
Concen: 8.138 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:105 Resp: 3849829

Ion	Ratio	Lower	Upper
105	100		
120	46.7	36.8	55.2
91	44.2	35.4	53.0
77	21.1	16.8	25.2



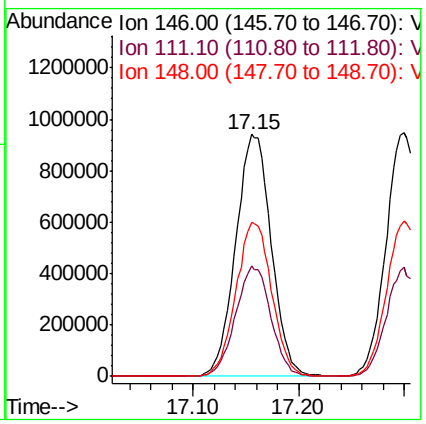


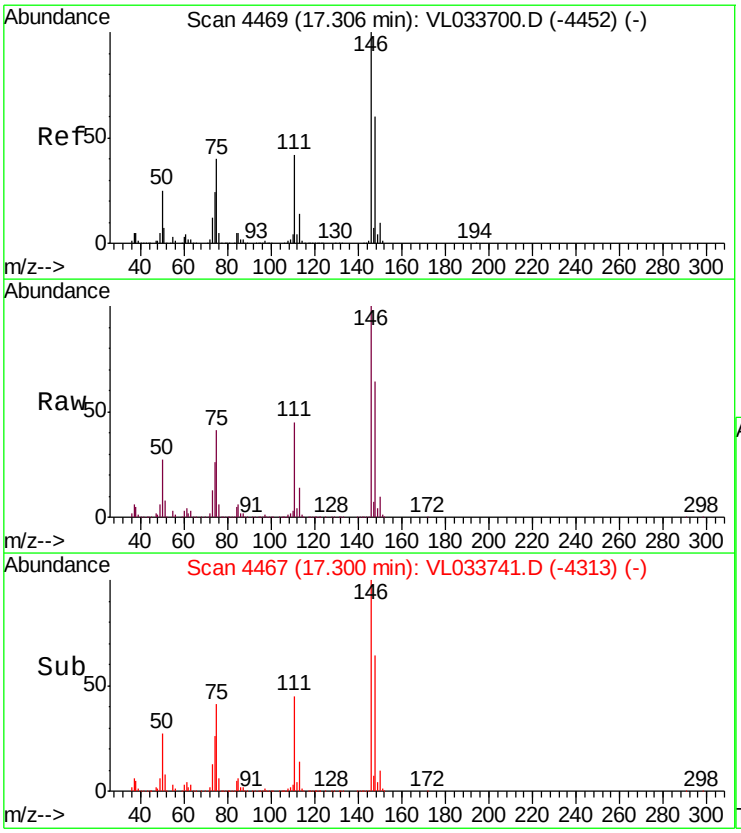
#75
1,3-Dichlorobenzene
Concen: 7.607 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:146 Resp: 2205141

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.9	68.8
148	64.2	32.0	96.2

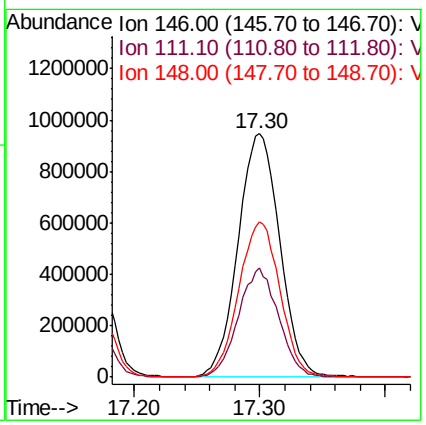


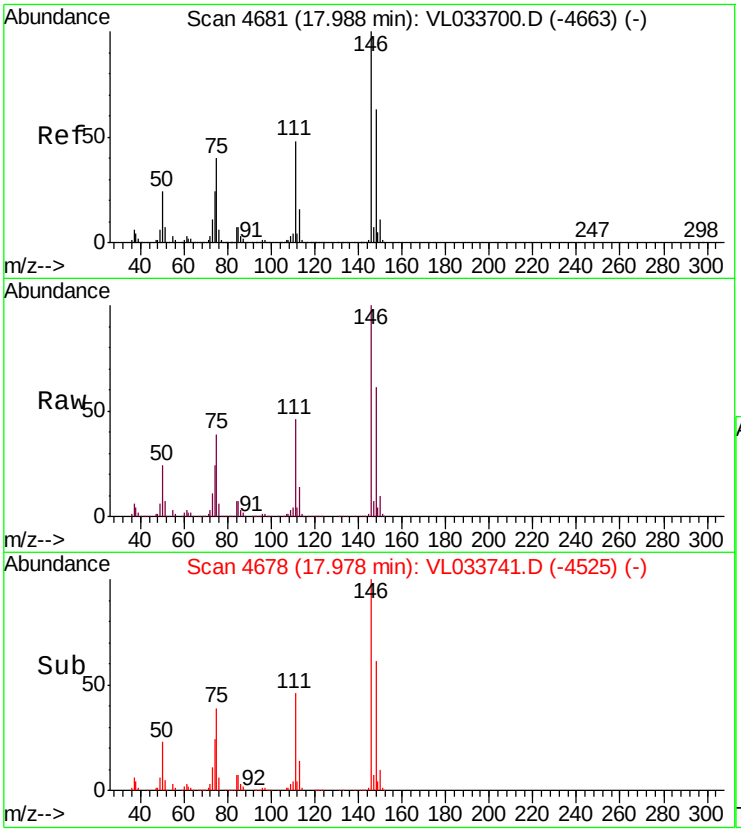


#76
1,4-Dichlorobenzene
Concen: 7.889 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:146 Resp: 2173495

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.8
148	63.9	32.1	96.3



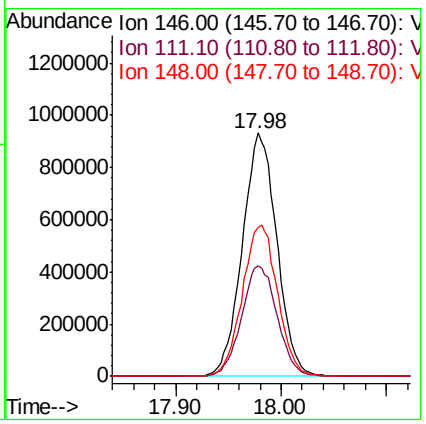


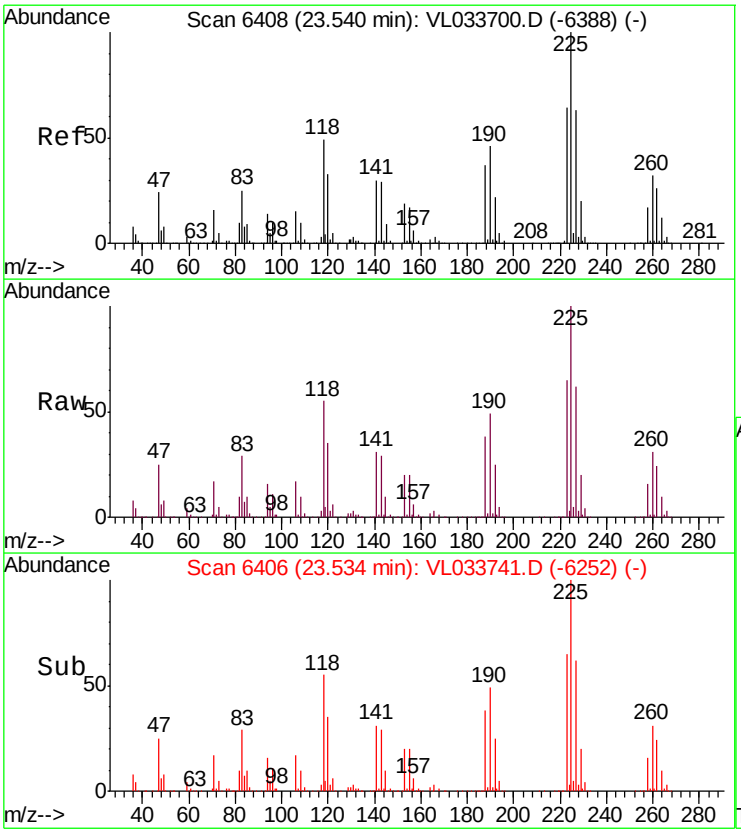
#77
1,2-Dichlorobenzene
Concen: 7.792 ppbv
RT: 17.98 min Scan# 4678
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:146 Resp: 2122245

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.5
148	63.7	32.1	96.3

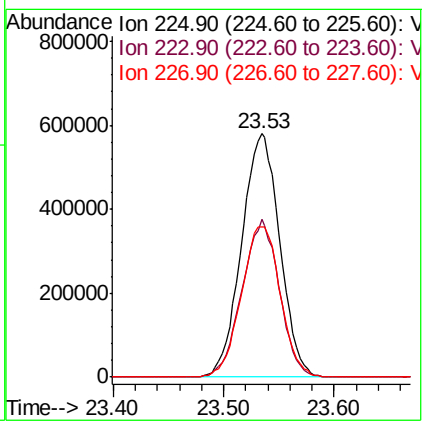


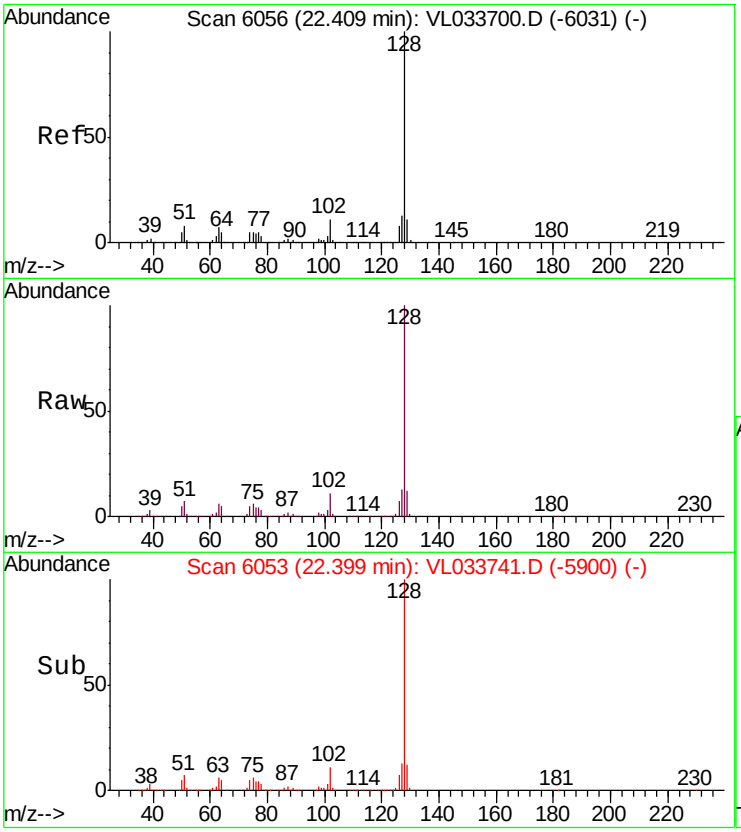


#78
Hexachloro-1,3-Butadiene
Concen: 6.767 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:225 Resp: 1393504

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.2	75.4
227	63.2	50.7	76.1



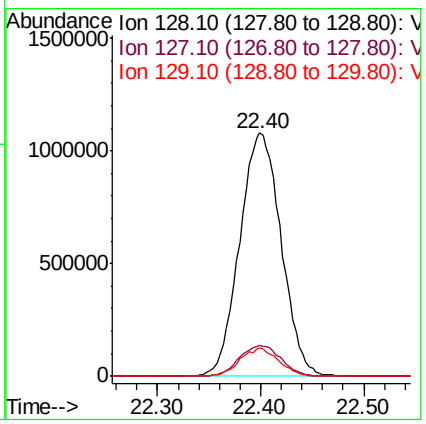


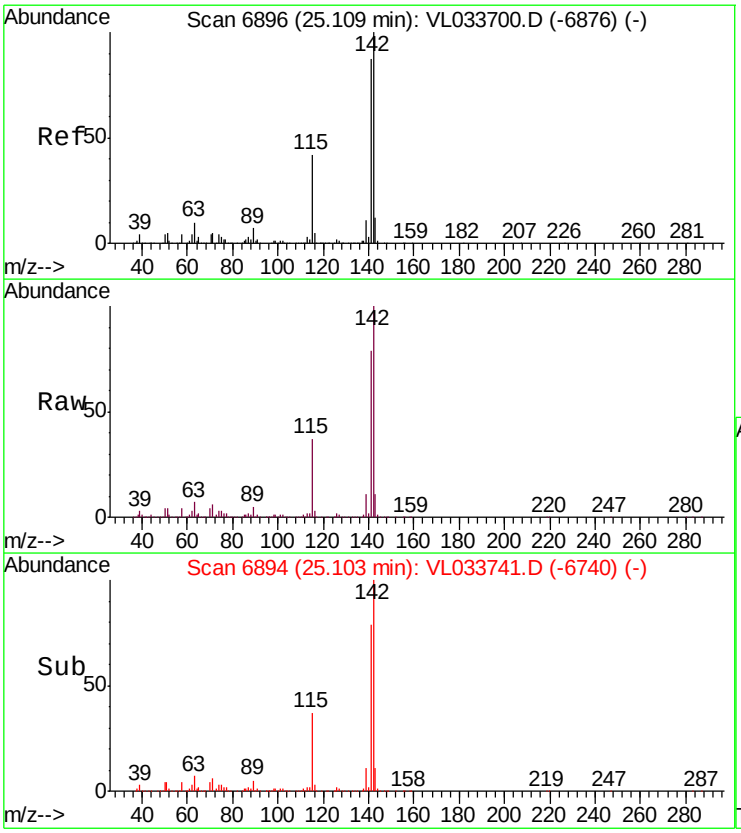
#79
Naphthalene
Concen: 6.851 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:128 Resp: 3010170

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	11.5	8.9	13.3





#80
Naphthalene,2-methyl-
Concen: 5.665 ppbv
RT: 25.10 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL033741.D
Acq: 22 May 2019 12:10

Tgt Ion:142 Resp: 945789

Ion	Ratio	Lower	Upper
142	100		
141	82.5	67.2	100.8
115	36.8	34.1	51.1