Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033338.D
Acq On : 15 Mar 2019 19:40
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:57:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	754220	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1767824	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	1848623	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1411355	10.30	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	65410	0.493	ppbv		97
3) Chlorodifluoromethane	3.02	51	41819	0.483	ppbv		98
4) Chloromethane	3.17	50	22301	0.476	ppbv		94
5) Vinyl Chloride	3.29	62	20820	0.431	ppbv		99
6) Bromomethane	3.52	94	12733	0.443	ppbv		93
7) Chloroethane	3.60	64	7946	0.470	ppbv	#	79
8) Dichlorotetrafluoroethane	3.22	85	56119	0.497	ppbv		94
9) Propene	3.04	41	17011	0.440	ppbv		94
10) Heptane	8.24	43	14020	0.146	ppbv	#	27
11) Trichlorofluoromethane	4.00	101	60713	0.460	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	38706	0.442	ppbv		98
13) Ethanol	3.66	45	13152	0.714	ppbv		95
14) Bromoethene	3.79	108	15900	0.435	ppbv	#	96
15) Acetone	3.91	43	65560	0.559	ppbv		98
16) 1,3-Butadiene	3.36	39	13942	0.366	ppbv		84
17) tert-Butyl alcohol	4.35	59	1339	0.081	ppbv	#	74
18) 1,1-Dichloroethene	4.36	96	16680	0.416	ppbv		94
19) Isopropyl Alcohol	4.04	45	30637	0.549	ppbv	#	93
20) Methylene Chloride	4.41	84	18897	0.494	ppbv		94
21) Allyl Chloride	4.48	41	24084	0.423	ppbv		95
22) trans-1,2-Dichloroethene	4.97	96	17088	0.440	ppbv		92
23) Vinyl Acetate	5.16	43	50559	0.373	ppbv	#	96
24) 1,1-Dichloroethane	5.09	63	42071	0.429	ppbv		99
25) Ethyl Acetate	5.78	43	69549	0.408	ppbv		98
26) Hexane	5.79	57	31724	0.416	ppbv		96
27) Carbon Disulfide	4.62	76	33855	0.386	ppbv	#	75
28) Methyl tert-Butyl Ether	5.13	73	43221	0.382	ppbv		99
29) Chloroform	5.85	83	55231	0.443	ppbv		96
30) Cyclohexane	7.25	84	21956	0.359	ppbv	#	24
31) cis-1,2-Dichloroethene	5.64	61	29095	0.382	ppbv	#	89
32) 1,1,1-Trichloroethane	6.62	97	50244	0.410	ppbv		95
34) 2-Butanone	5.34	43	43478	0.374	ppbv		98
35) Carbon Tetrachloride	7.14	117	52116	0.418	ppbv		86
36) Benzene	7.01	78	61257	0.387	ppbv		96
37) 1,2-Dichloroethane	6.41	62	42209	0.422	ppbv		100
38) Trichloroethene	7.96	130	8631	0.144	ppbv		88
39) 1,2-Dichloropropane	7.74	63	23515	0.397	ppbv		94
41) Tetrahydrofuran	6.17	42	21551	0.348	ppbv		98
42) Bromodichloromethane	7.92	83	53039	0.395	ppbv		97
43) Methyl Methacrylate	8.14	69	9071	0.147	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.99	57	60338	0.230	ppbv	#	43

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033338.D
Acq On : 15 Mar 2019 19:40
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:57:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.42	75	21204	0.279	ppbv		93
46) cis-1,3-Dichloropropene	8.83	75	11609	0.130	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	16901	0.258	ppbv		93
48) Dibromochloromethane	10.45	129	43482	0.396	ppbv		96
49) Bromoform	13.21	173	35039	0.336	ppbv		98
50) 4-Methyl-2-Pentanone	8.90	43	57696	0.352	ppbv		97
51) 2-Hexanone	10.29	43	23087	0.182	ppbv	#	29
52) Tetrachloroethene	11.38	164	25707	0.390	ppbv	#	80
53) Toluene	9.95	91	59296	0.330	ppbv		100
54) 1,2-Dibromoethane	10.76	107	21343	0.193	ppbv		92
56) 1,1,1,2-Tetrachloroethane	12.28	131	35927	0.434	ppbv	#	1
57) Chlorobenzene	12.31	112	28122	0.192	ppbv	#	91
58) Ethyl Benzene	12.87	91	93097	0.356	ppbv		99
59) m/p-Xylene	13.13	91	62899	0.280	ppbv	#	100
60) o-Xylene	13.86	91	60112	0.274	ppbv		76
61) Styrene	13.69	104	27109	0.177	ppbv	#	35
62) Isopropylbenzene	14.83	105	116797	0.383	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	70178	0.443	ppbv		96
64) n-propylbenzene	15.72	120	17841	0.231	ppbv		88
65) tert-Butylbenzene	16.91	119	103074	0.376	ppbv		90
66) Benzyl Chloride	17.16	91	31795	0.280	ppbv		99
67) sec-Butylbenzene	17.47	105	146826	0.378	ppbv		99
69) p-Isopropyltoluene	17.83	119	54268	0.171	ppbv	#	36
70) n-Butylbenzene	18.72	91	131239	0.387	ppbv		97
71) 2-Chlorotoluene	15.63	91	92908	0.392	ppbv		94
72) 4-Ethyltoluene	16.01	105	87476	0.351	ppbv	#	96
73) 1,3,5-Trimethylbenzene	16.16	105	90376	0.373	ppbv		96
74) 1,2,4-Trimethylbenzene	16.93	105	101750	0.396	ppbv		99
75) 1,3-Dichlorobenzene	17.17	146	66683	0.440	ppbv		98
76) 1,4-Dichlorobenzene	17.32	146	23313	0.159	ppbv	#	1
77) 1,2-Dichlorobenzene	18.00	146	30410	0.212	ppbv	#	21
78) Hexachloro-1,3-Butadiene	23.55	225	25083	0.292	ppbv	#	47
79) Naphthalene	22.42	128	66024	0.267	ppbv		97
80) Naphthalene,2-methyl-	25.12	142	36883	0.314	ppbv		96
81) 1,2,4-Trichlorobenzene	22.14	180	30898	0.245	ppbv	#	47

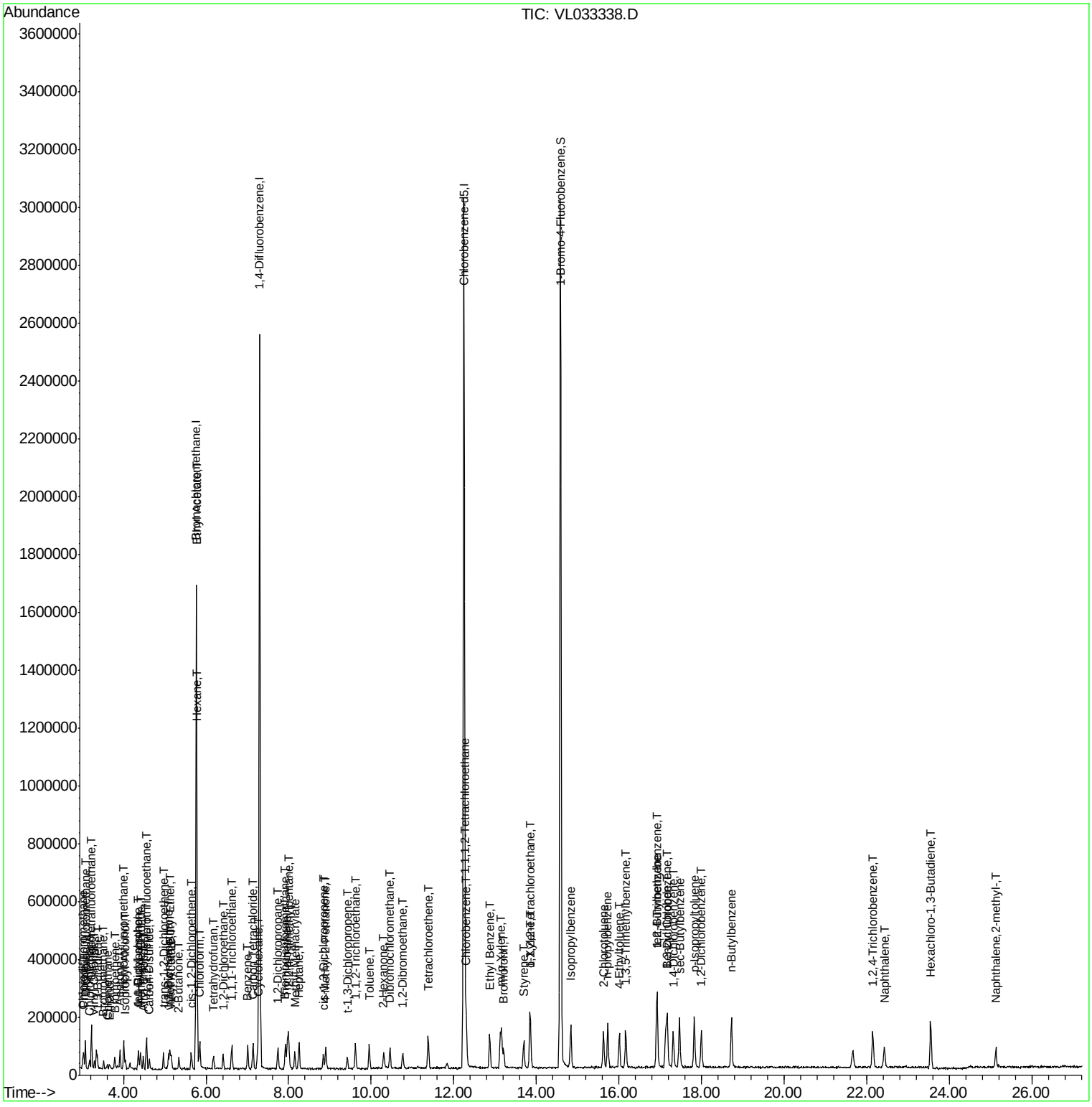
(#) = qualifier out of range (m) = manual integration (+) = signals summed

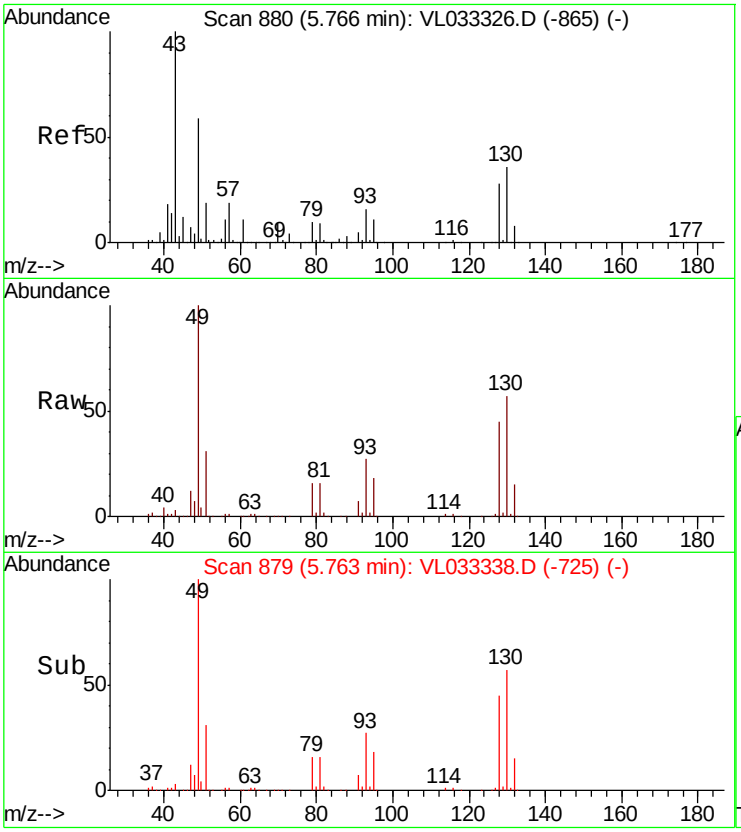
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033338.D
Acq On : 15 Mar 2019 19:40
Operator : SY/AP
Sample : 0.4 PPB MDL
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 16 03:57:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



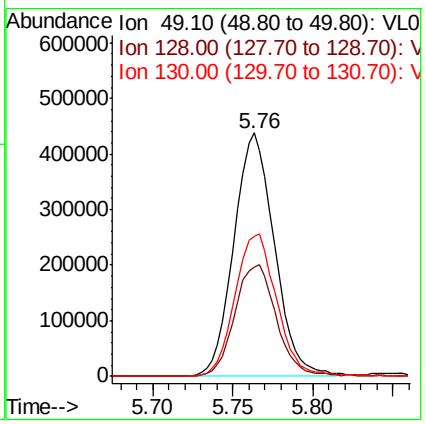


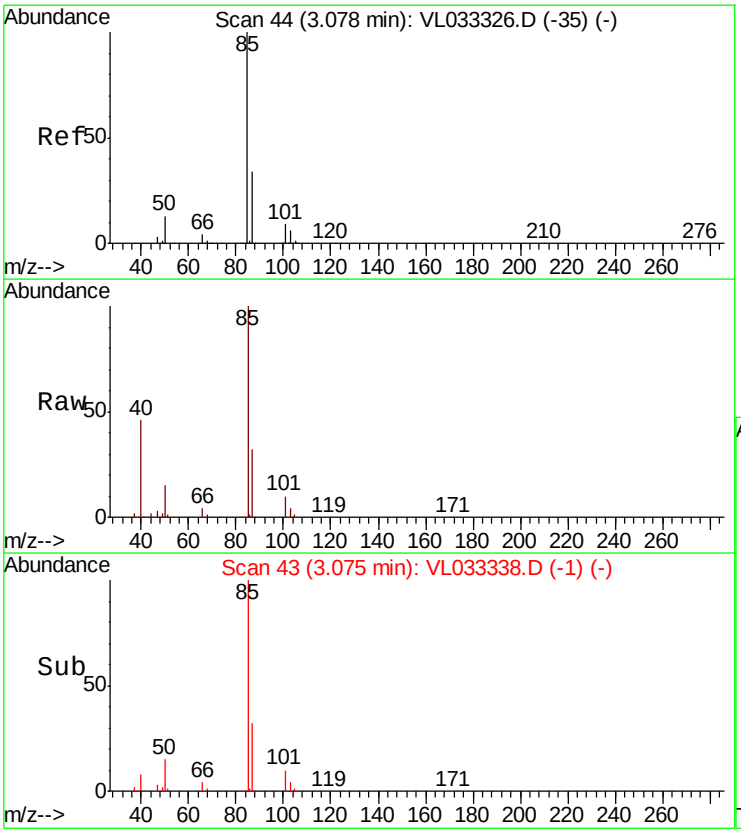
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 754220

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.5	70.6
130	61.0	30.1	90.3

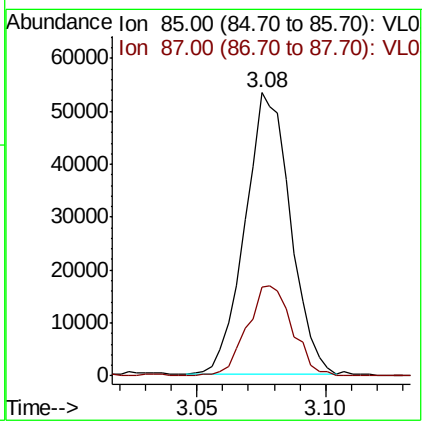


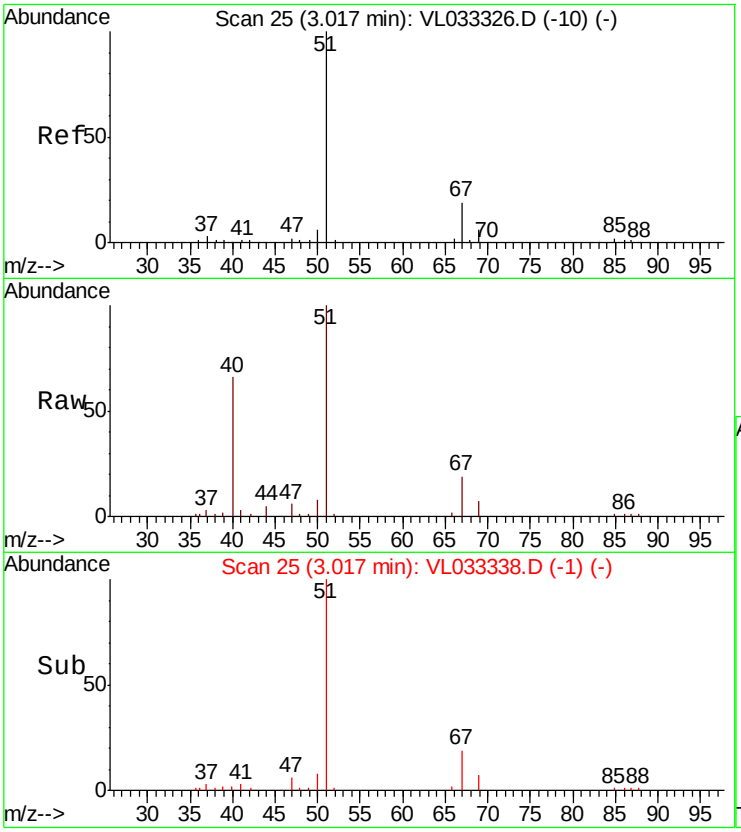


#2
Dichlorodifluoromethane
Concen: 0.493 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 85 Resp: 65410

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.9	40.3



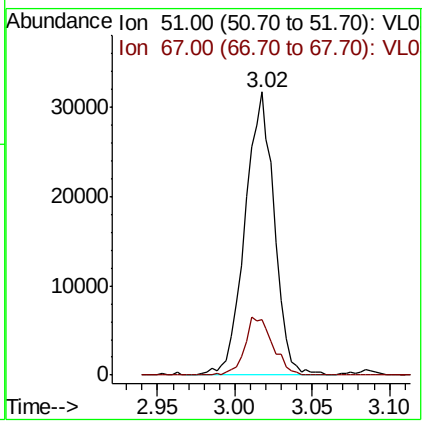


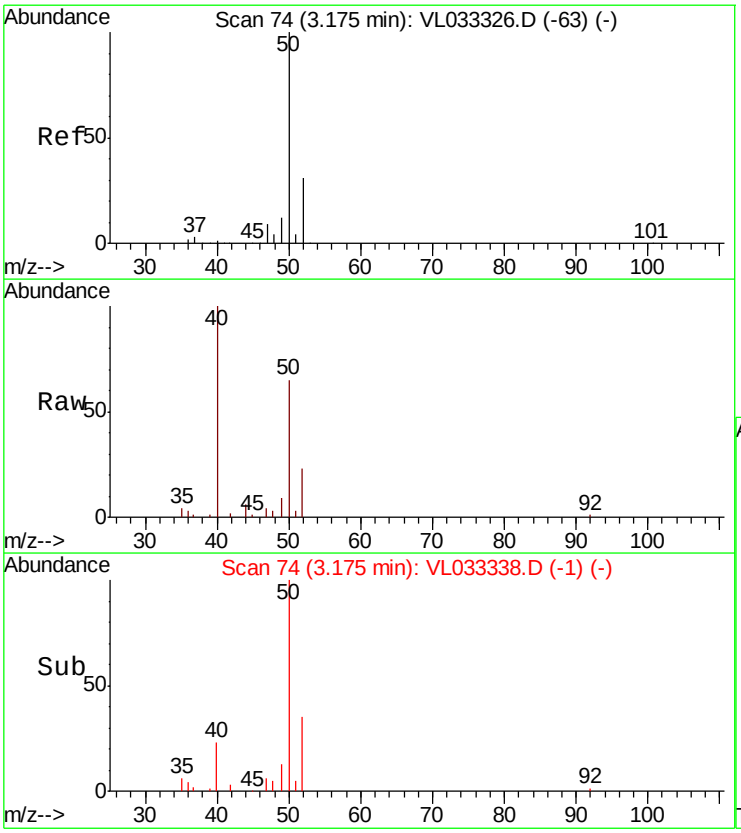
#3
Chlorodifluoromethane
Concen: 0.483 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 41819

Ion	Ratio	Lower	Upper
51	100		
67	19.4	14.9	22.3

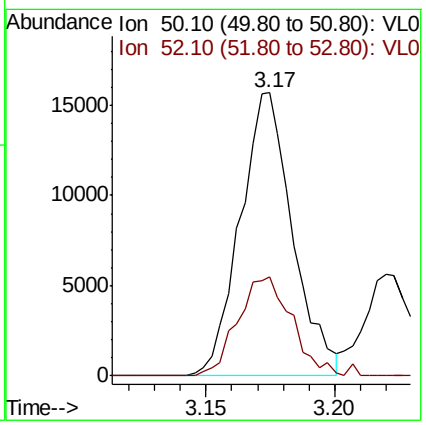


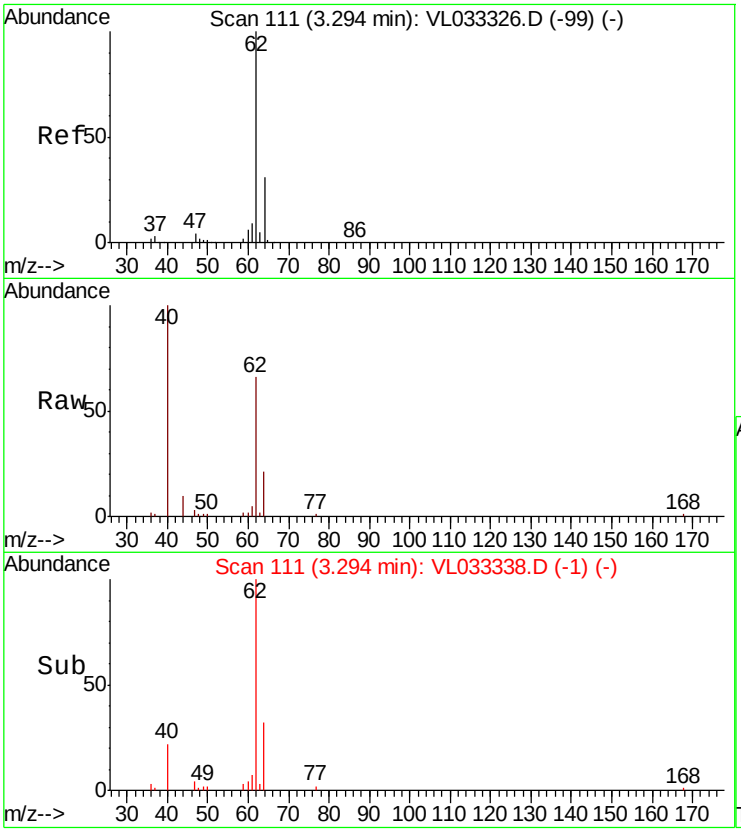


#4
Chloromethane
Concen: 0.476 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 50 Resp: 22301

Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.0	37.6



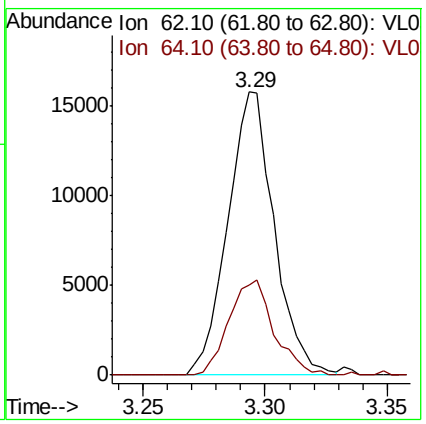


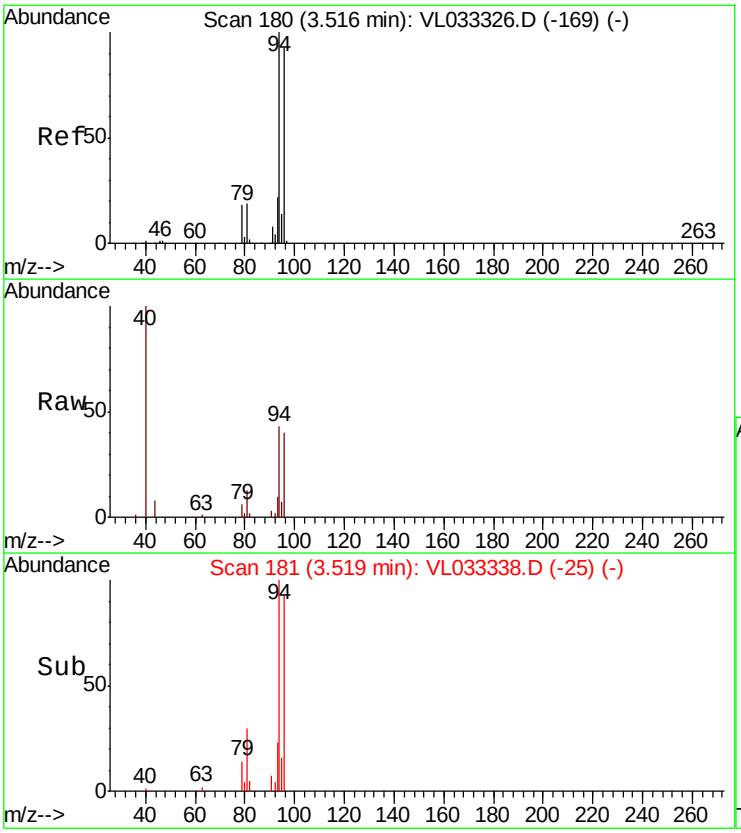
#5
Vinyl Chloride
Concen: 0.431 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 20820

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.0	37.6

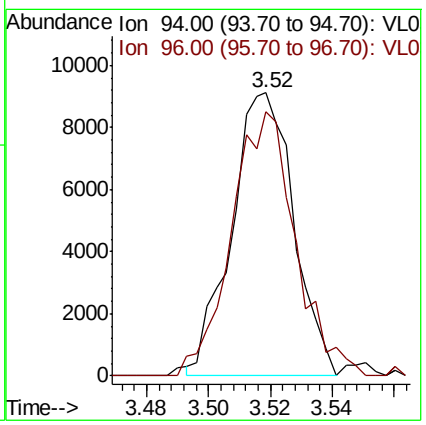


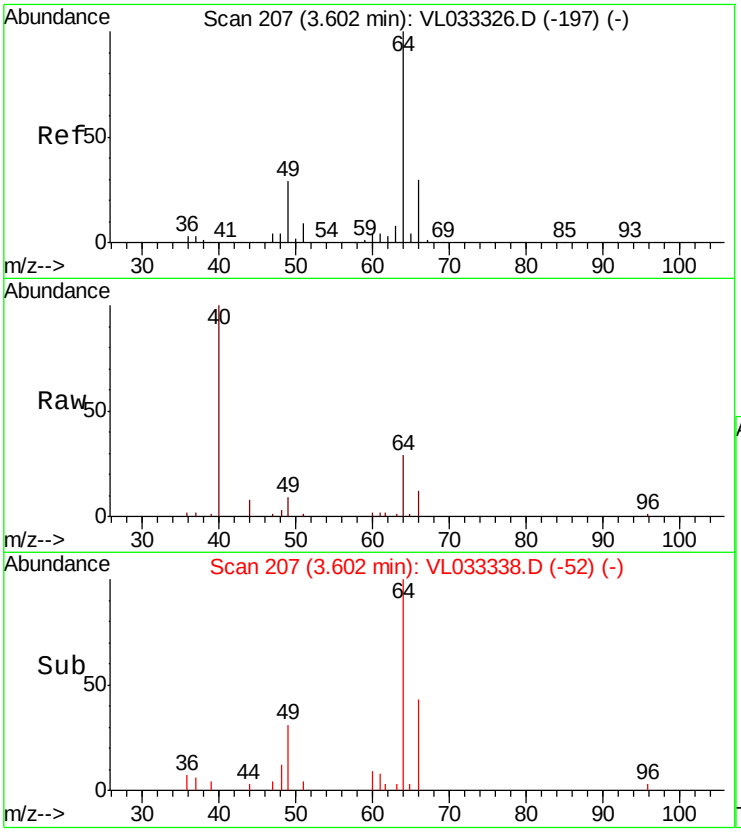


#6
Bromomethane
Concen: 0.443 ppbv
RT: 3.52 min Scan# 181
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 94 Resp: 12733

Ion	Ratio	Lower	Upper
94	100		
96	86.1	74.6	111.8



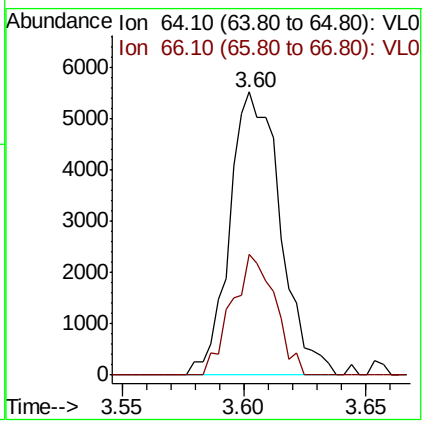


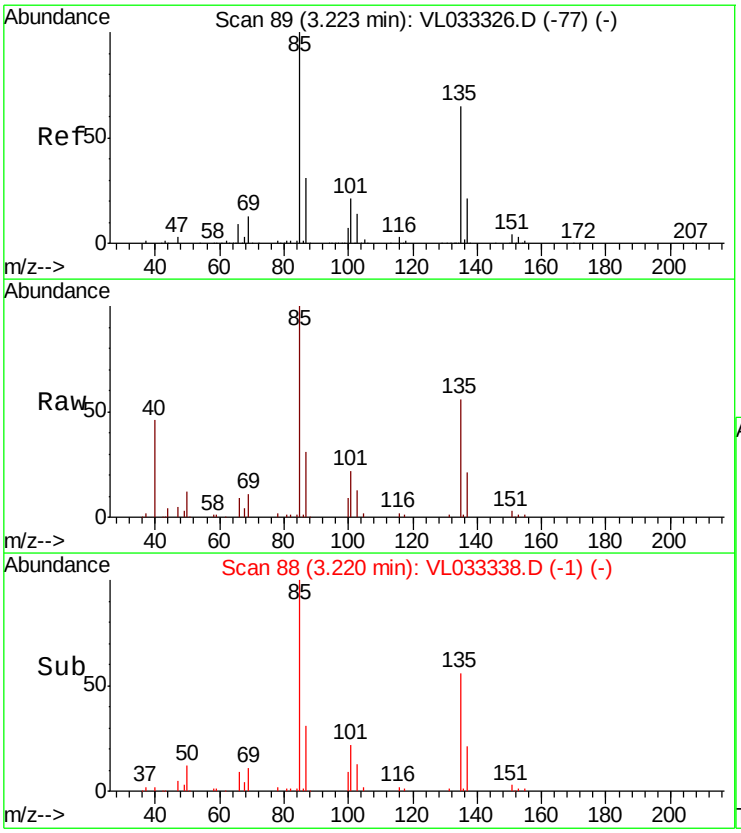
#7
Chloroethane
Concen: 0.470 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 7946

Ion	Ratio	Lower	Upper
64	100		
66	41.5	24.0	36.0#

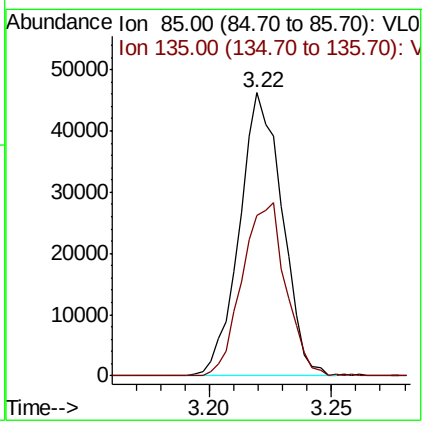


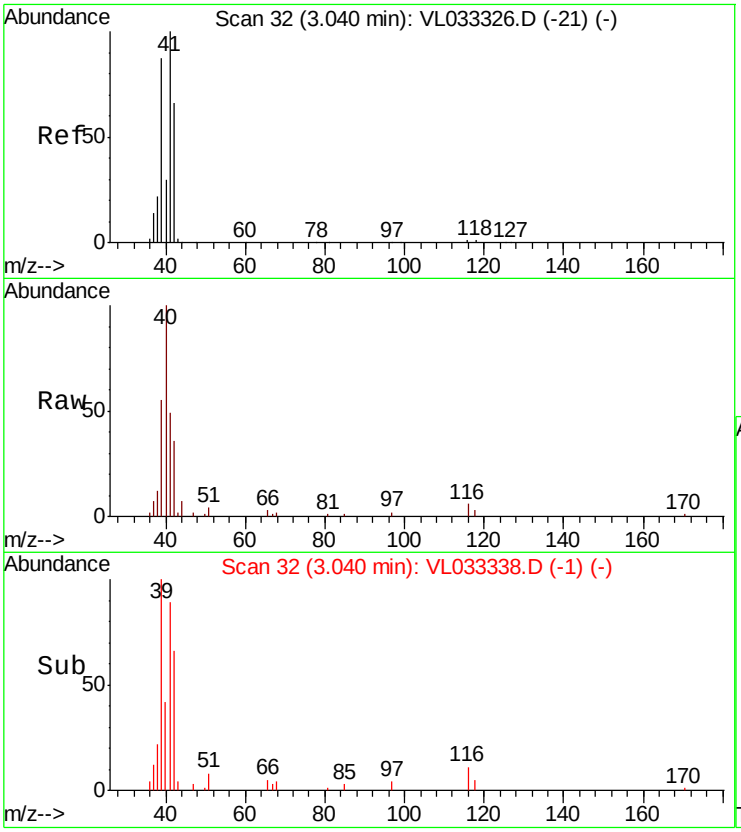


#8
Dichlorotetrafluoroethane
Concen: 0.497 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 85 Resp: 56119

Ion	Ratio	Lower	Upper
85	100		
135	62.4	53.4	80.2



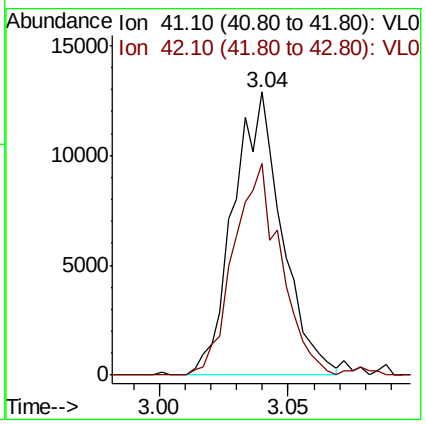


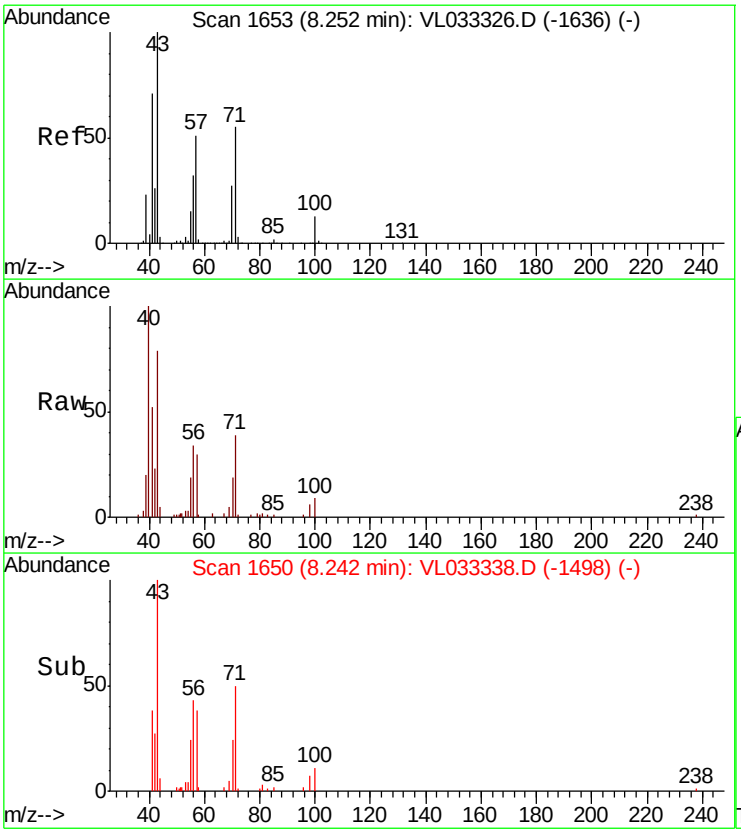
#9
Propene
Concen: 0.440 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 17011

Ion	Ratio	Lower	Upper
41	100		
42	73.7	55.2	82.8

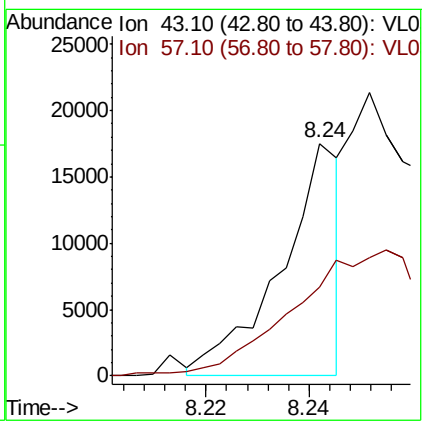


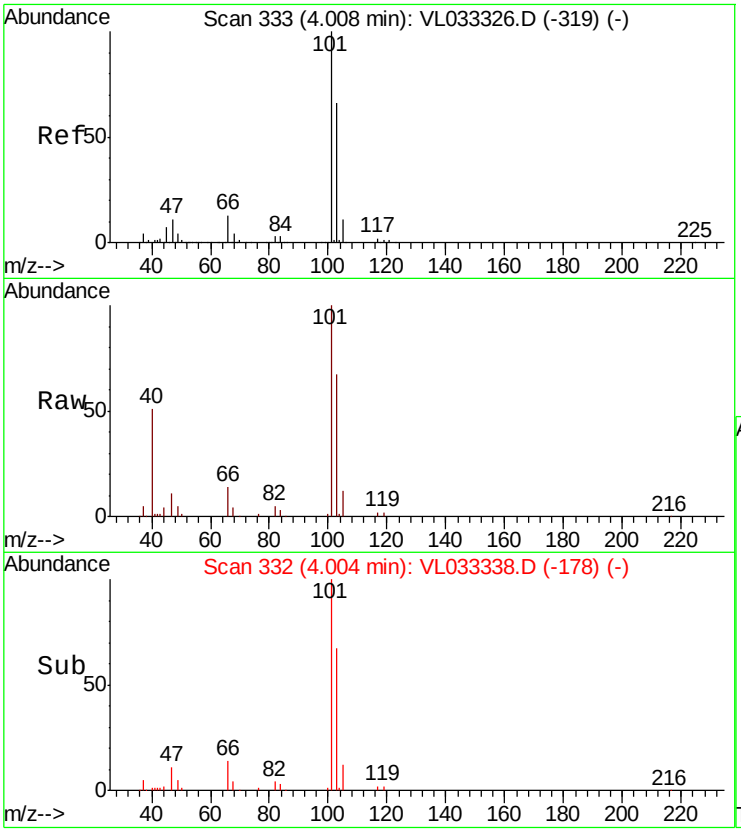


#10
Heptane
Concen: 0.146 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 43 Resp: 14020

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.4	60.6#



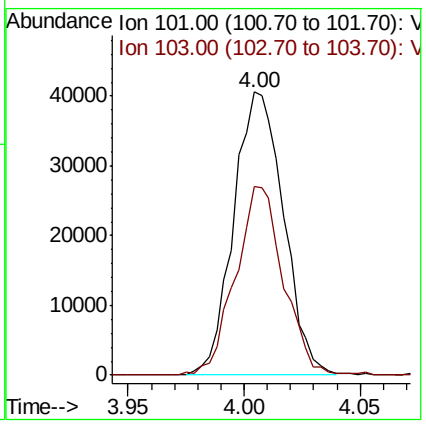


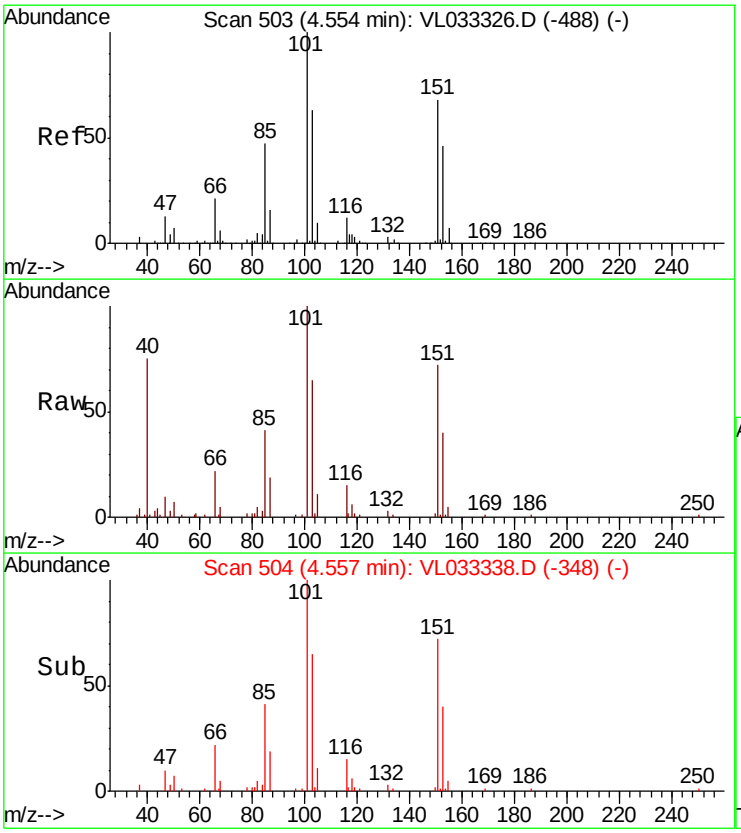
#11
Trichlorofluoromethane
Concen: 0.460 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 60713

Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.9	79.3

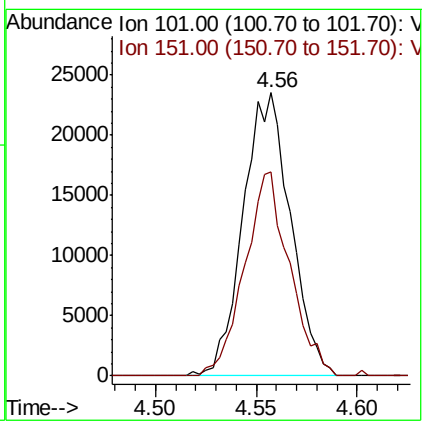


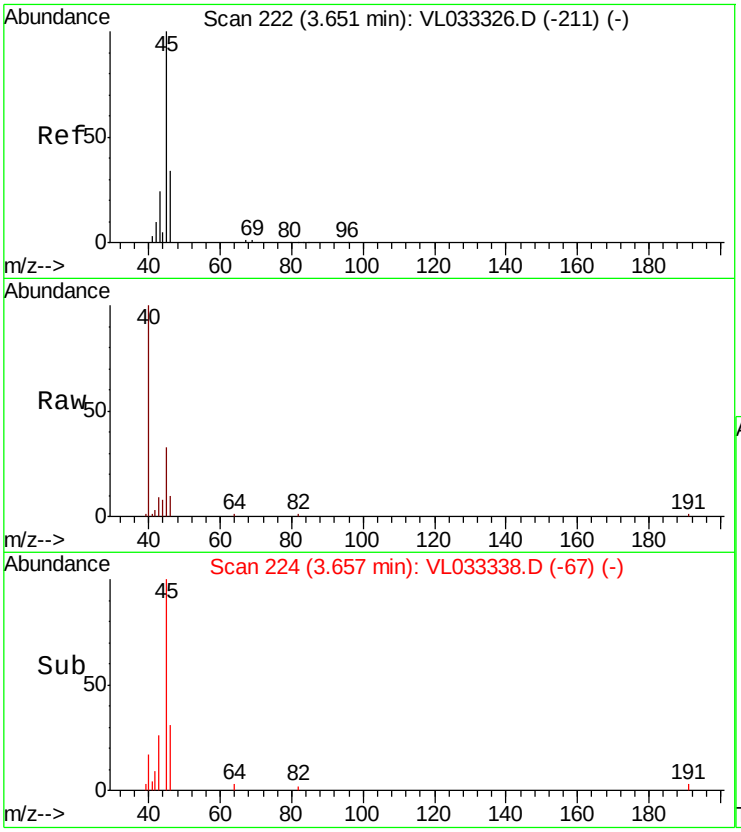


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.442 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:101 Resp: 38706

Ion	Ratio	Lower	Upper
101	100		
151	68.7	56.3	84.5



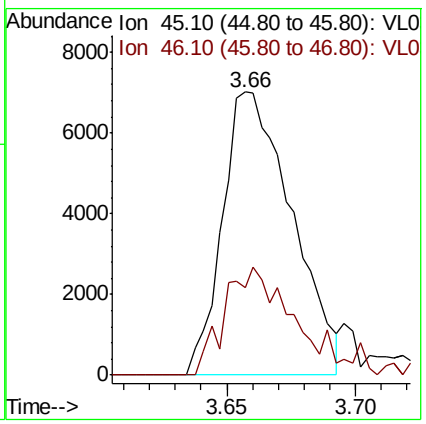


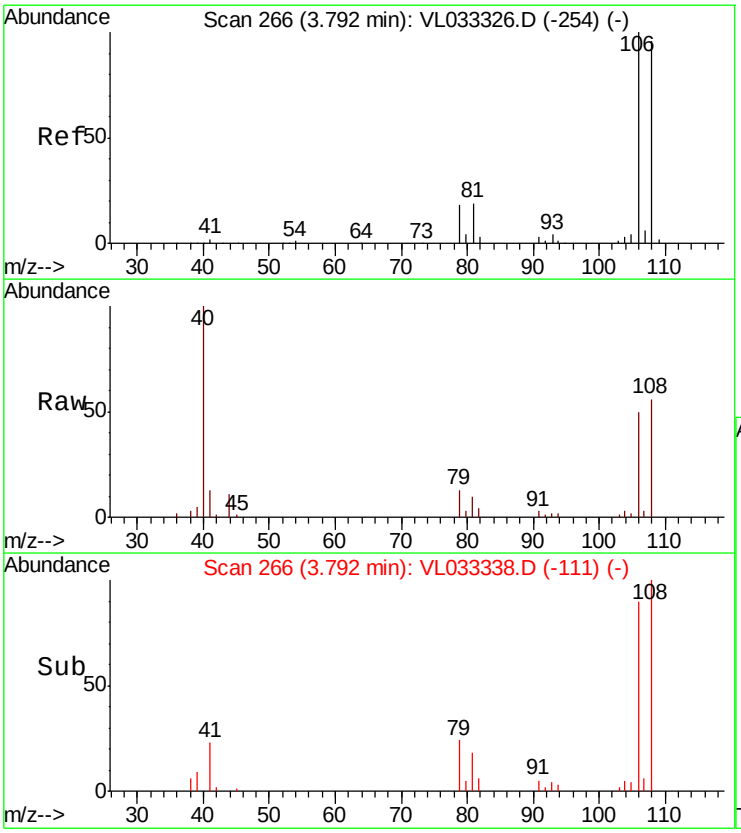
#13
Ethanol
Concen: 0.714 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 13152

Ion	Ratio	Lower	Upper
45	100		
46	40.1	14.9	59.7

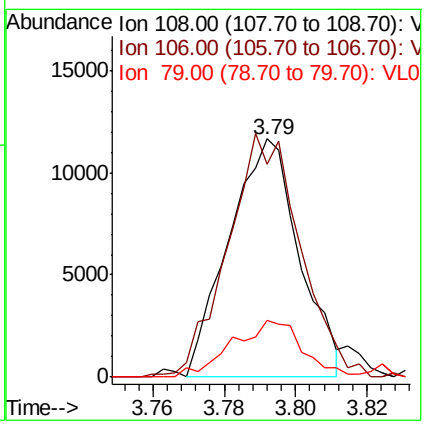


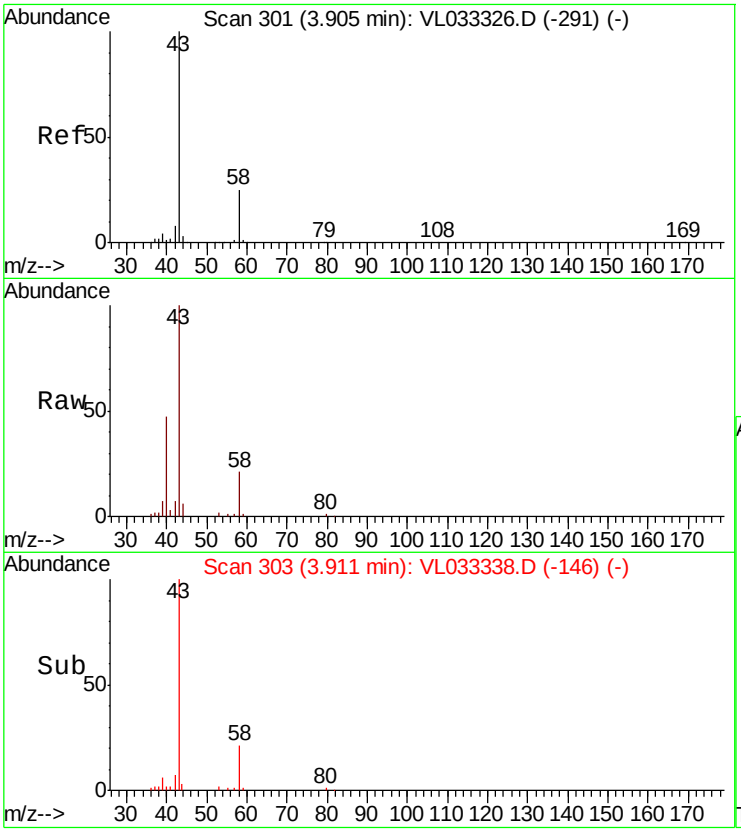


#14
Bromoethene
Concen: 0.435 ppbv
RT: 3.79 min Scan# 266
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:108 Resp: 15900

Ion	Ratio	Lower	Upper
108	100		
106	105.2	86.2	129.2
79	25.8	15.4	23.2#



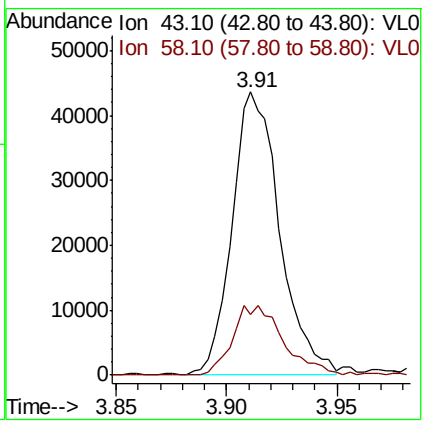


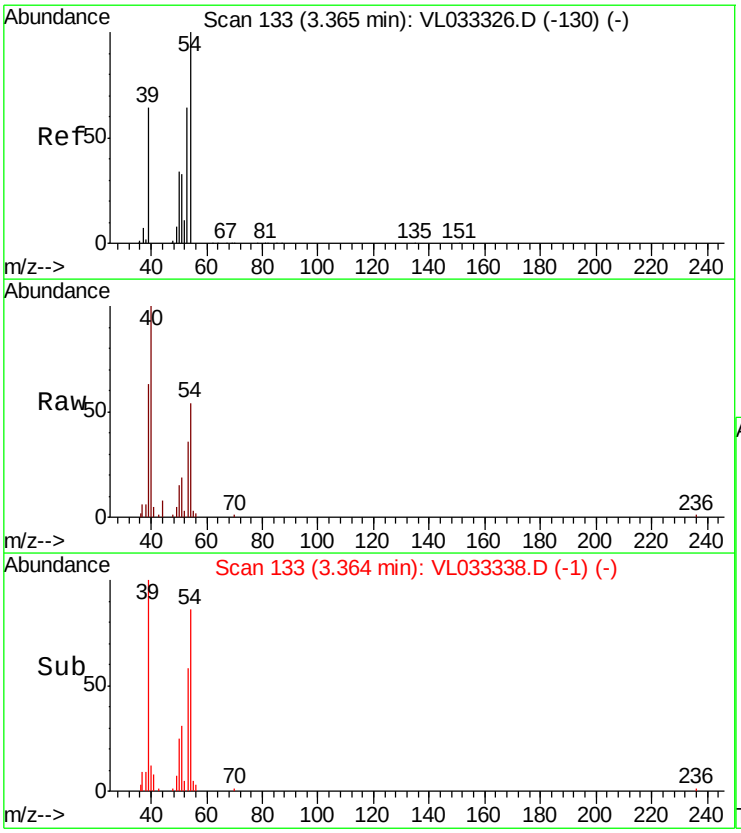
#15
Acetone
Concen: 0.559 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 65560

Ion	Ratio	Lower	Upper
43	100		
58	26.5	20.4	30.6

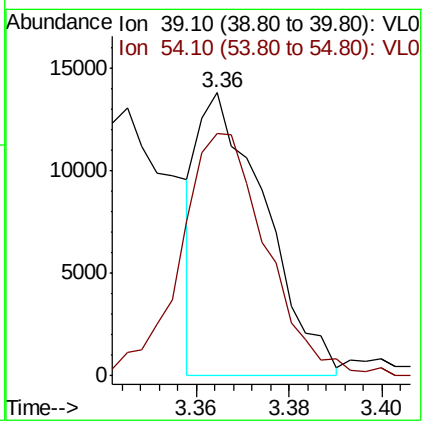


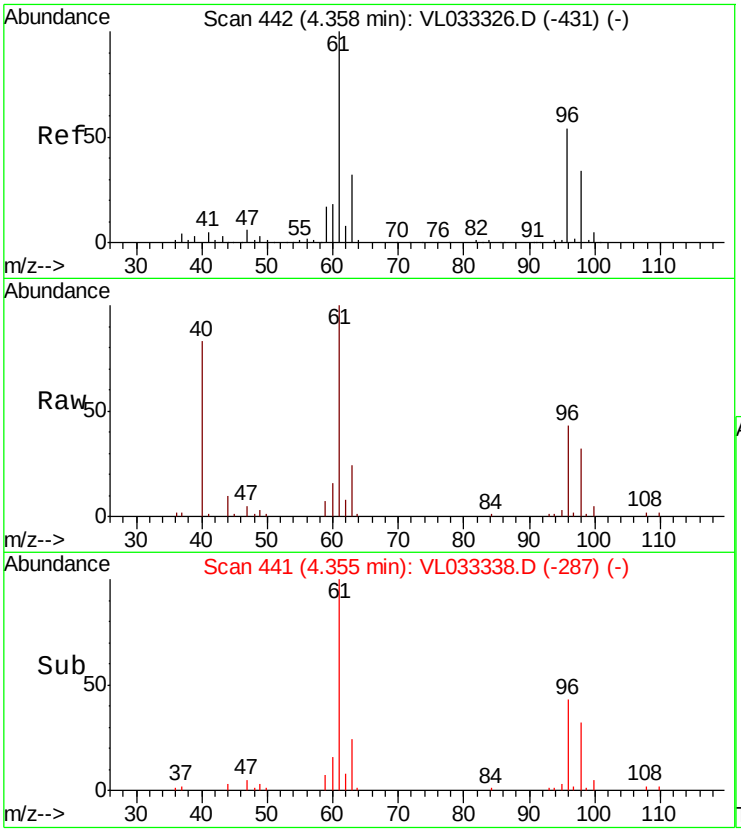


#16
1,3-Butadiene
Concen: 0.366 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 39 Resp: 13942

Ion	Ratio	Lower	Upper
39	100		
54	111.5	76.8	115.2



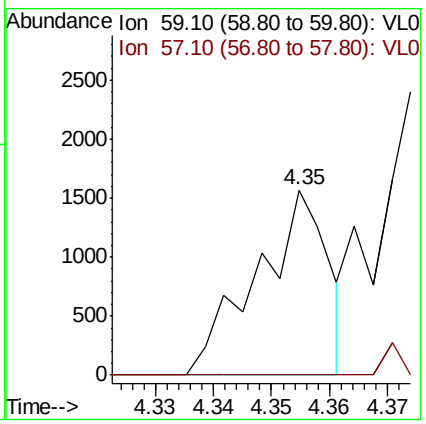


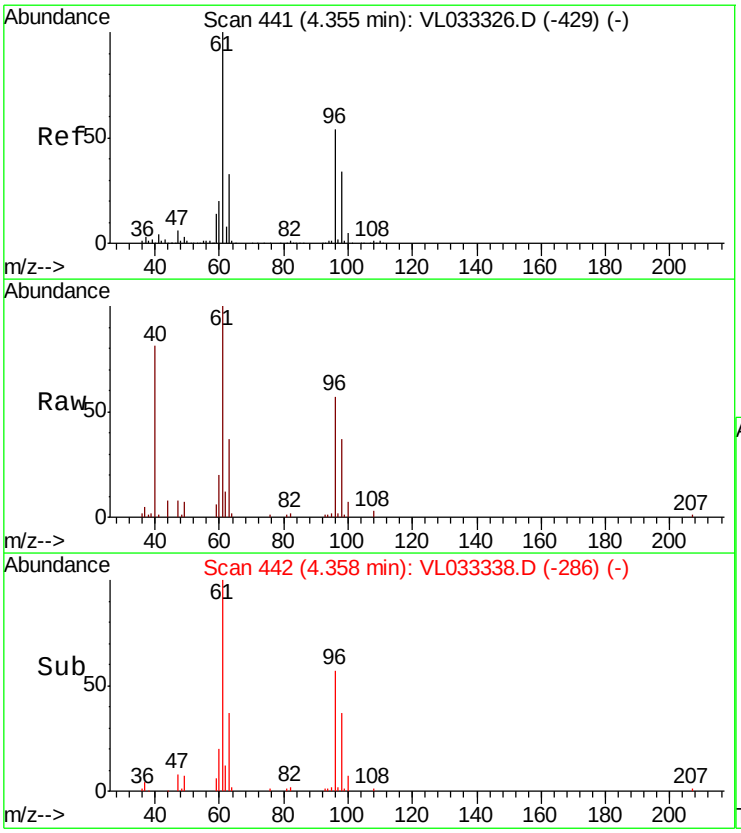
#17
tert-Butyl alcohol
Concen: 0.081 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1339

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

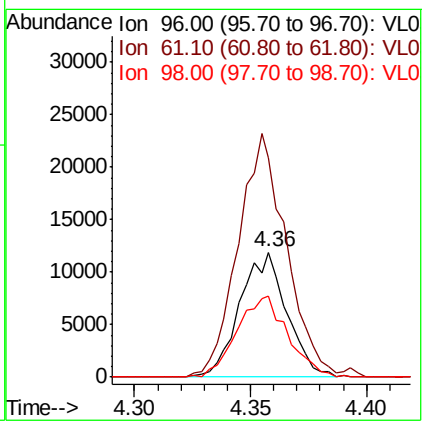


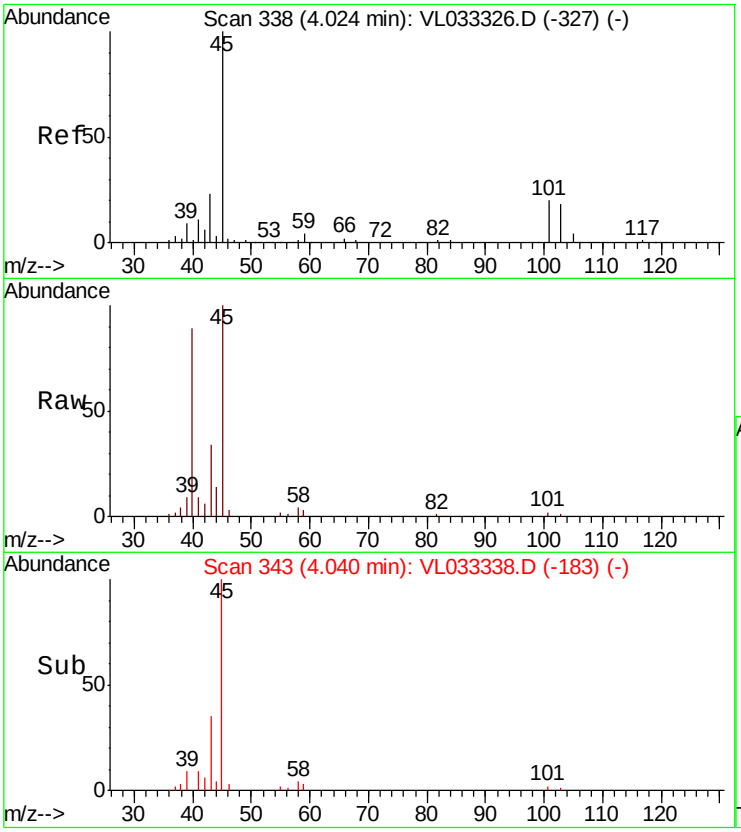


#18
1,1-Dichloroethene
Concen: 0.416 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 96 Resp: 16680

Ion	Ratio	Lower	Upper
96	100		
61	196.2	148.6	222.8
98	64.8	50.3	75.5



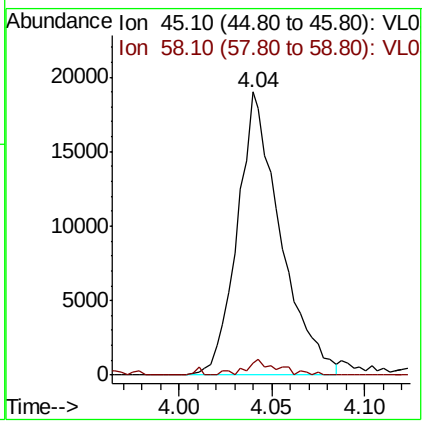


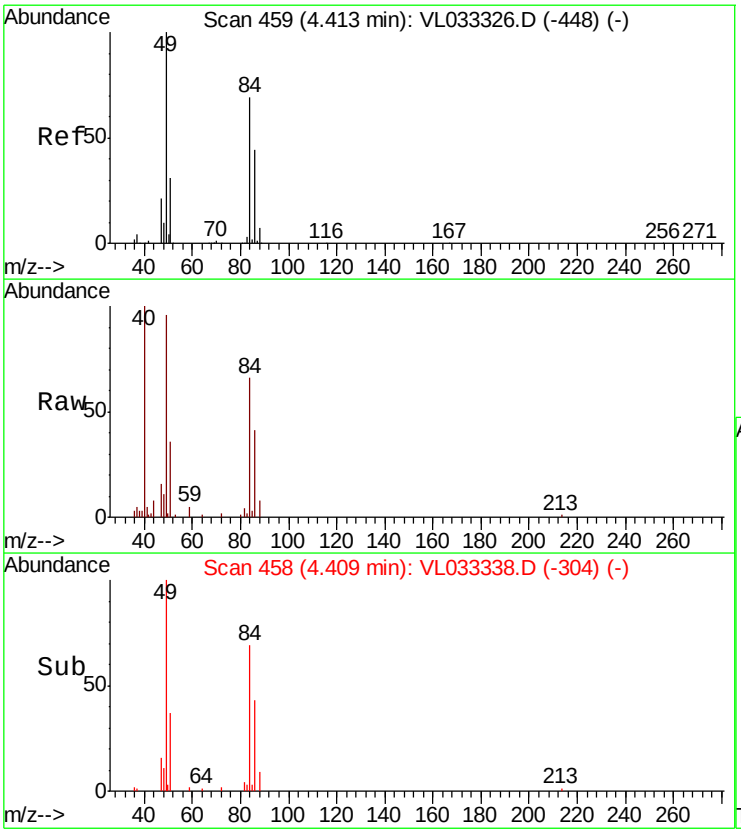
#19
Isopropyl Alcohol
Concen: 0.549 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 30637

Ion	Ratio	Lower	Upper
45	100		
58	4.5	1.5	2.3#

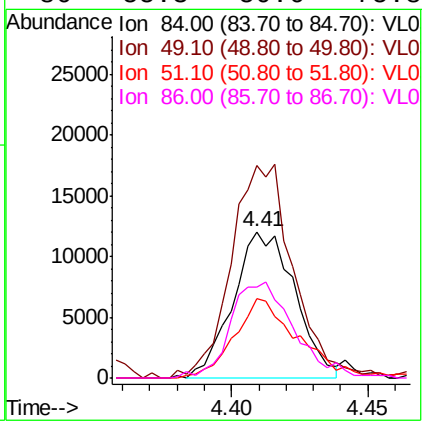


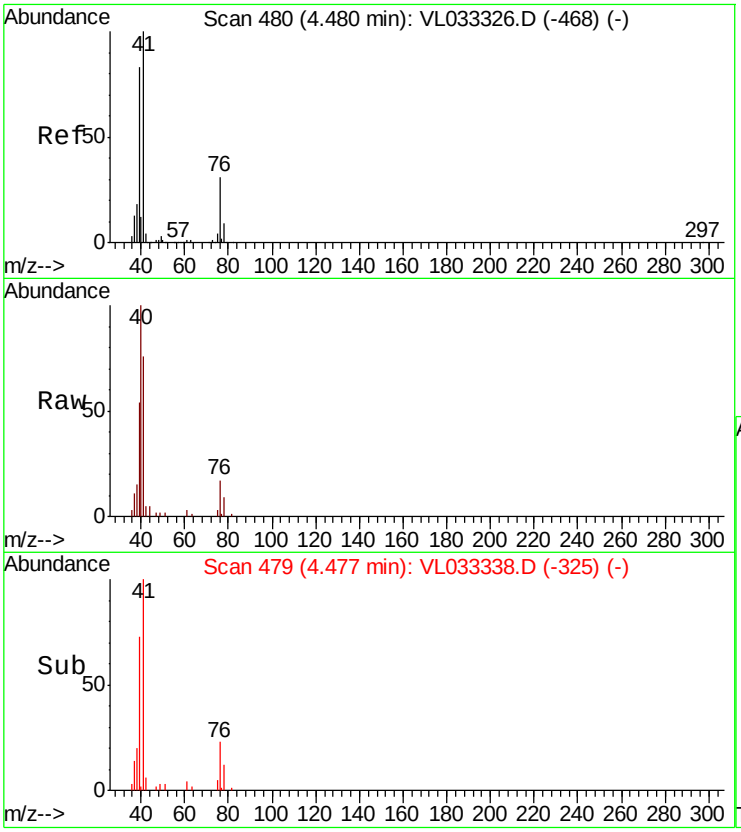


#20
Methylene Chloride
Concen: 0.494 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 84 Resp: 18897

Ion	Ratio	Lower	Upper
84	100		
49	139.9	115.4	173.0
51	50.0	35.8	53.6
86	55.3	50.6	75.8



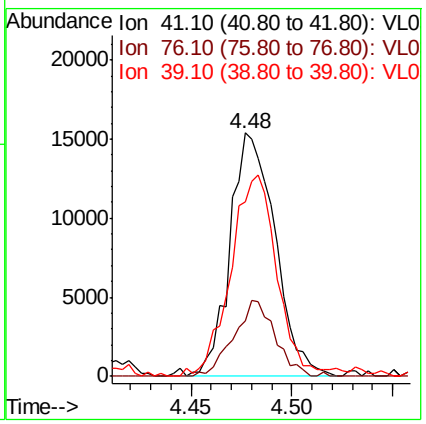


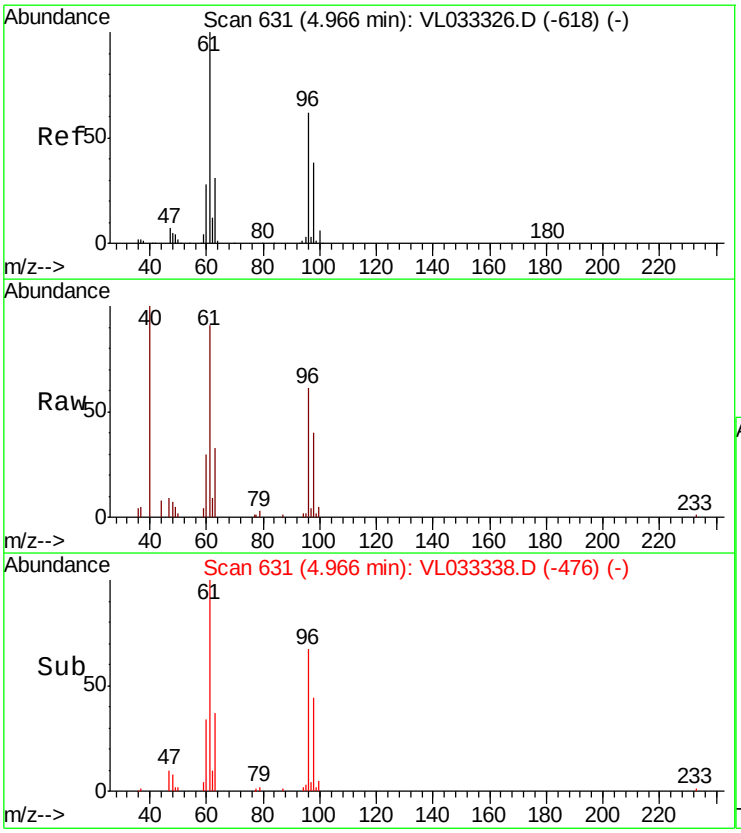
#21
Allyl Chloride
Concen: 0.423 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 24084

Ion	Ratio	Lower	Upper
41	100		
76	28.8	25.0	37.4
39	87.2	65.9	98.9

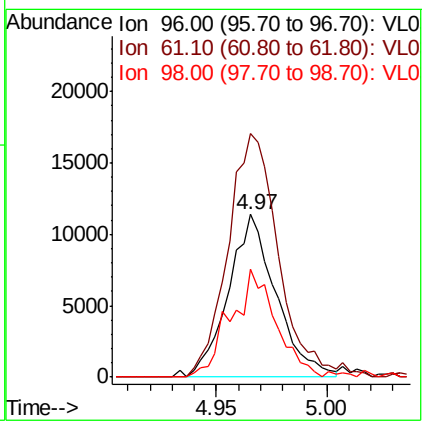


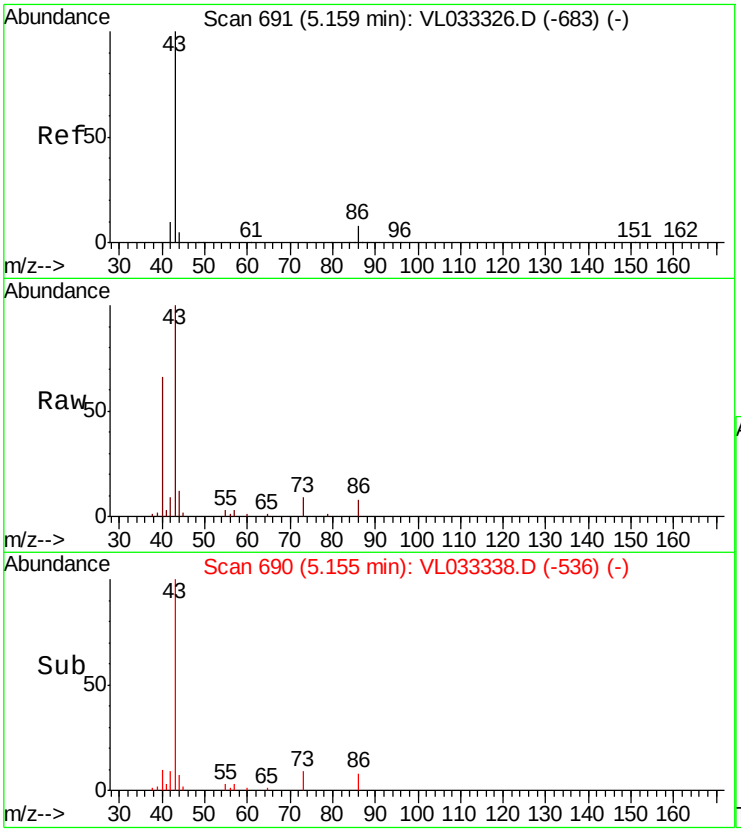


#22
trans-1,2-Dichloroethene
Concen: 0.440 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 96 Resp: 17088

Ion	Ratio	Lower	Upper
96	100		
61	149.6	130.0	195.0
98	66.5	50.0	75.0



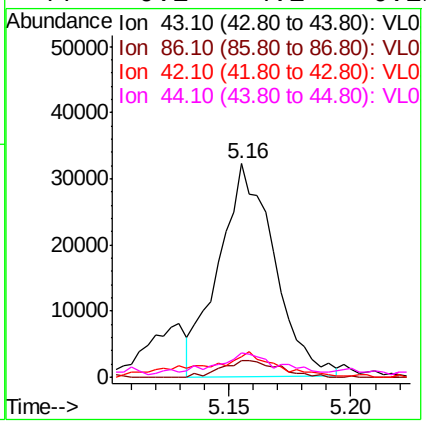


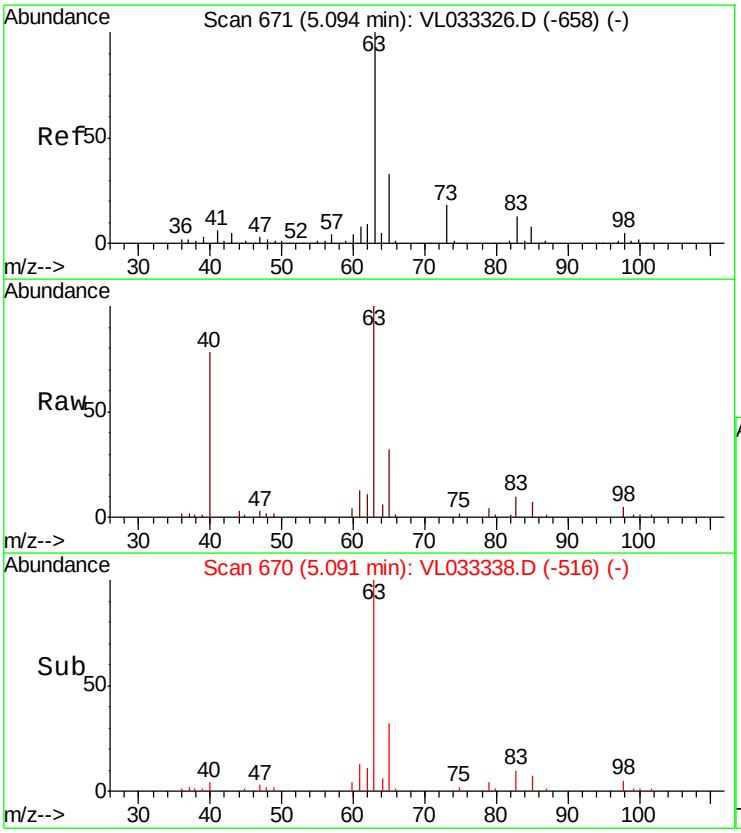
#23
Vinyl Acetate
Concen: 0.373 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 50559

Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.2
42	9.1	8.1	12.1
44	9.1	4.1	6.1#

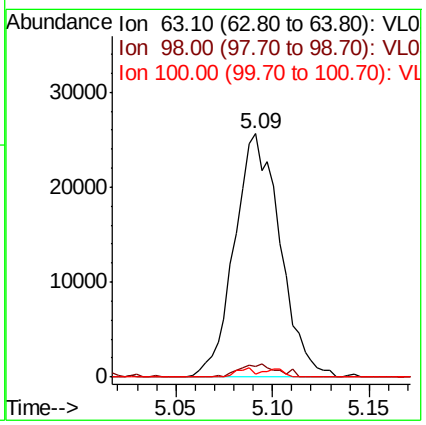


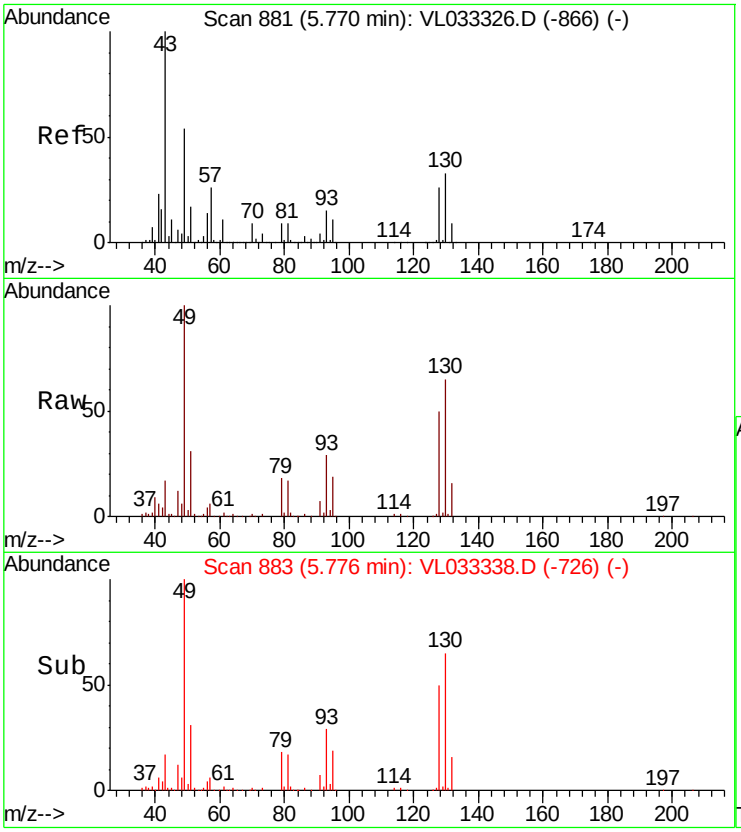


#24
1,1-Dichloroethane
Concen: 0.429 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 63 Resp: 42071

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.1
100	1.4	1.3	3.8



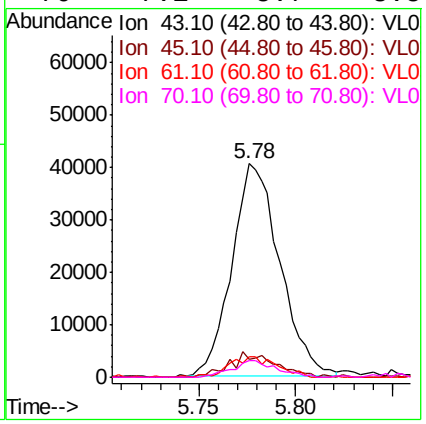


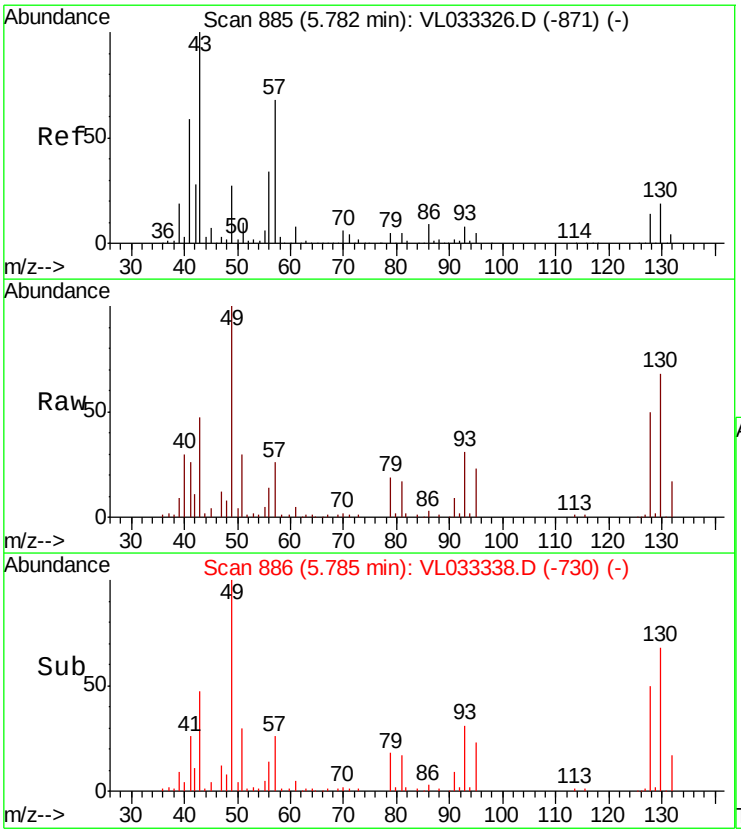
#25
Ethyl Acetate
Concen: 0.408 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 69549

Ion	Ratio	Lower	Upper
43	100		
45	11.5	7.9	11.9
61	9.8	7.4	11.2
70	7.1	5.7	8.5

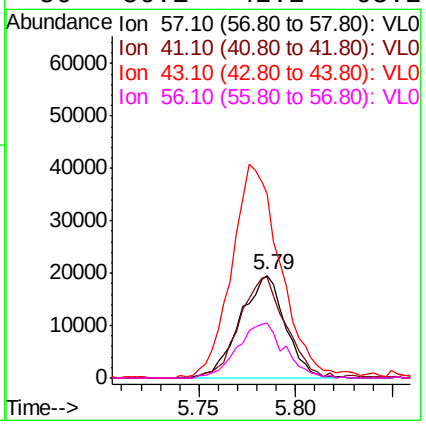


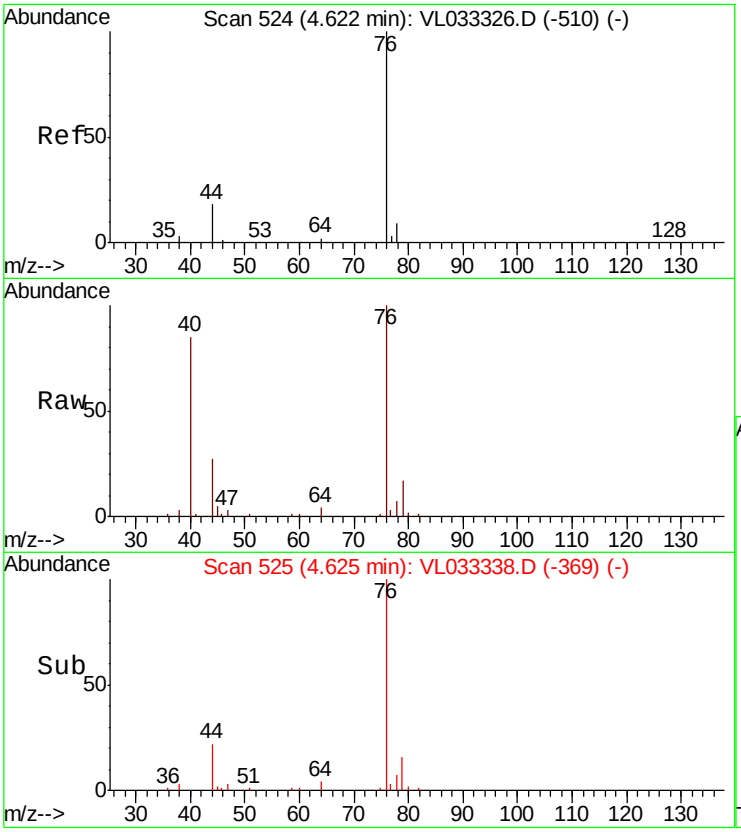


#26
Hexane
Concen: 0.416 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 57 Resp: 31724

Ion	Ratio	Lower	Upper
57	100		
41	102.3	70.5	105.7
43	227.4	181.8	272.8
56	56.1	42.2	63.2



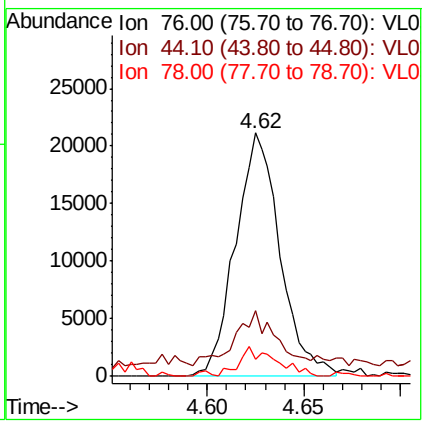


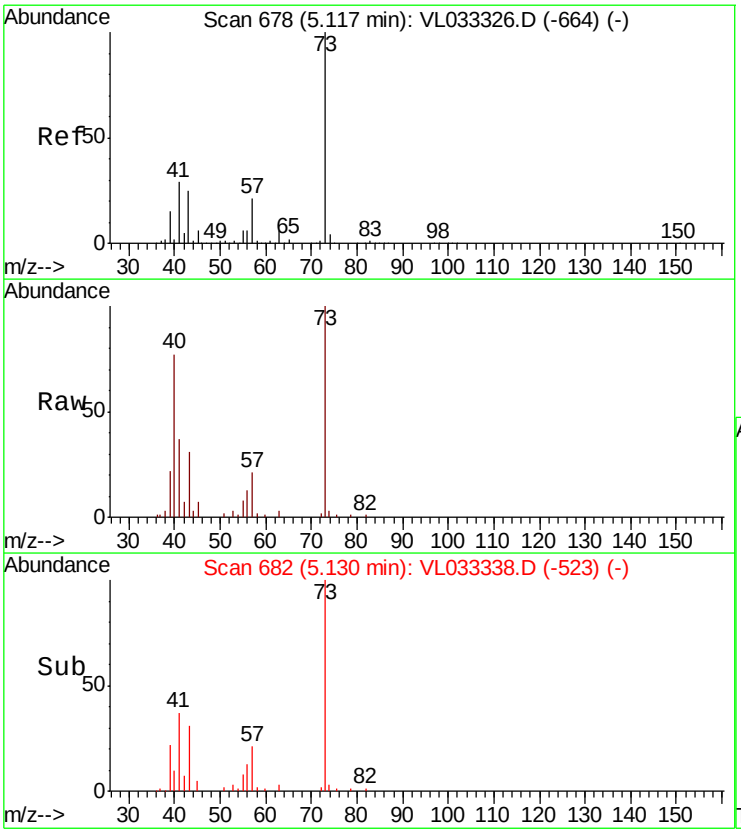
#27
Carbon Disulfide
Concen: 0.386 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 33855

Ion	Ratio	Lower	Upper
76	100		
44	34.1	15.2	22.8#
78	11.2	7.2	10.8#

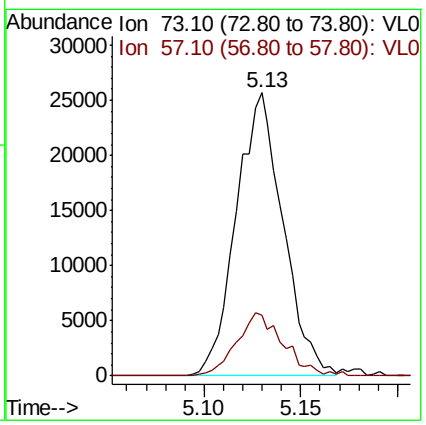


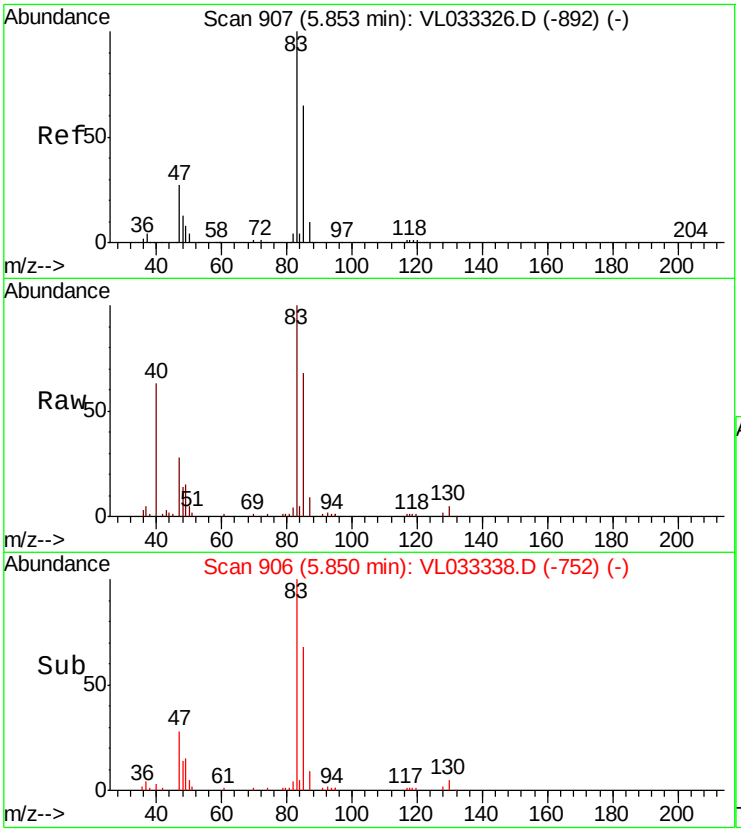


#28
Methyl tert-Butyl Ether
Concen: 0.382 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 73 Resp: 43221

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.0



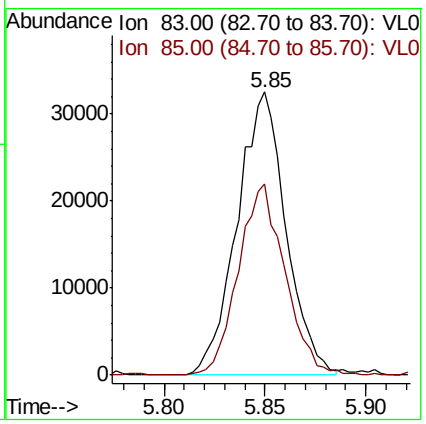


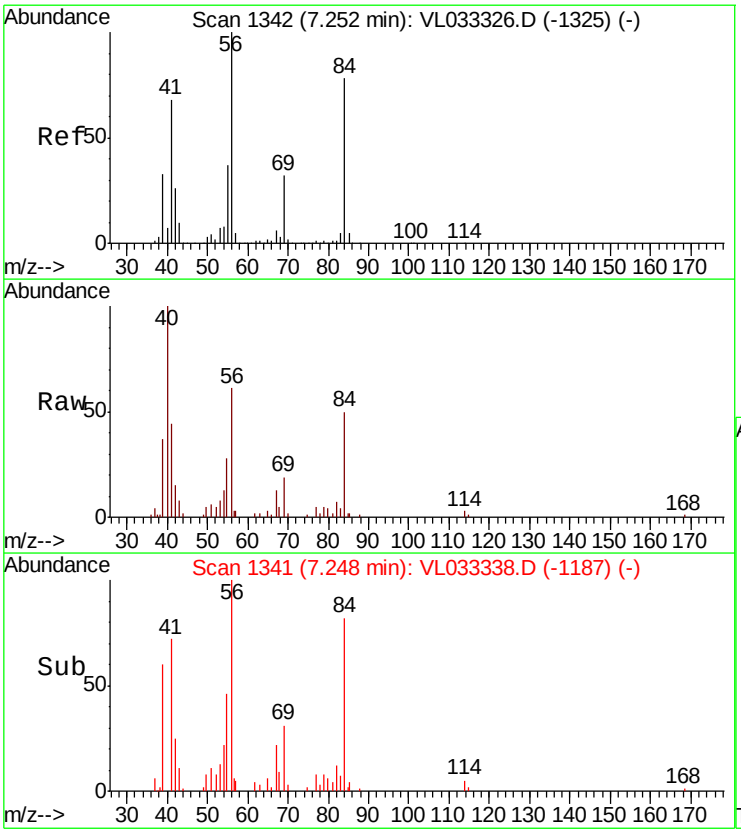
#29
Chloroform
Concen: 0.443 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 55231

Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.0	78.0

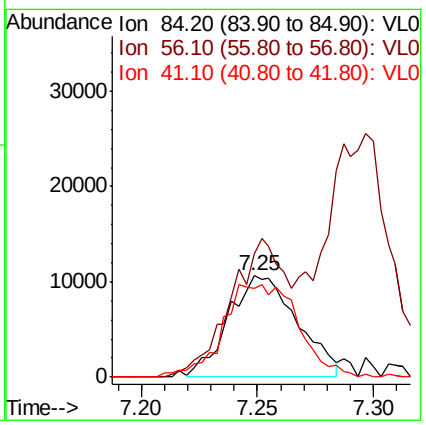


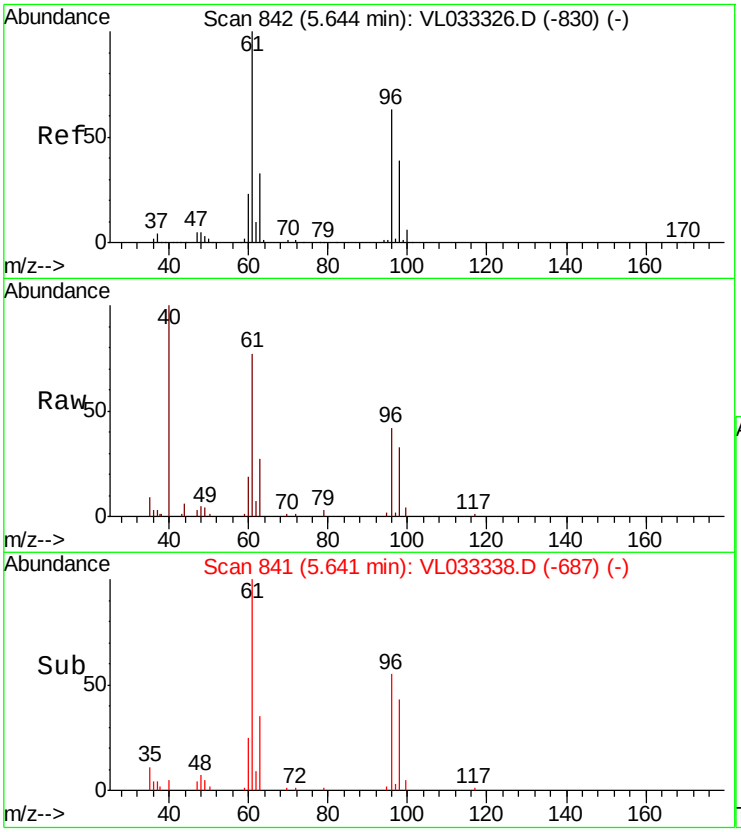


#30
Cyclohexane
Concen: 0.359 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 84 Resp: 21956

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.3	166.9#
41	100.0	69.6	104.4



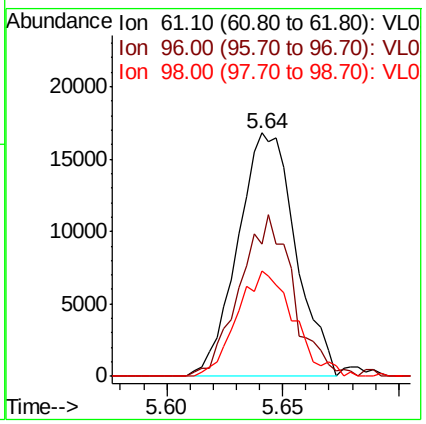


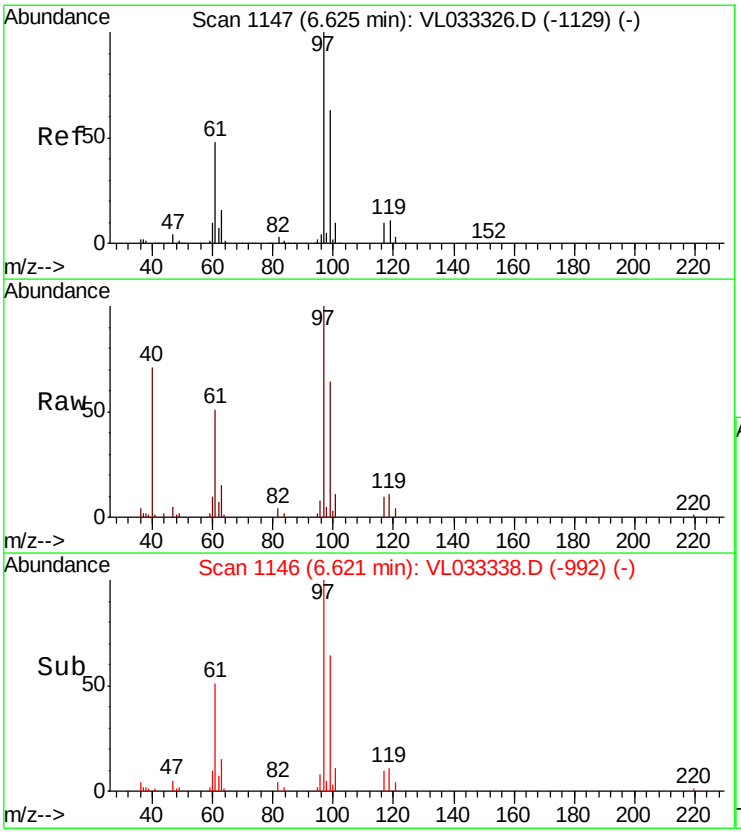
#31
cis-1,2-Dichloroethene
Concen: 0.382 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 29095

Ion	Ratio	Lower	Upper
61	100		
96	49.8	50.3	75.5#
98	39.6	31.5	47.3

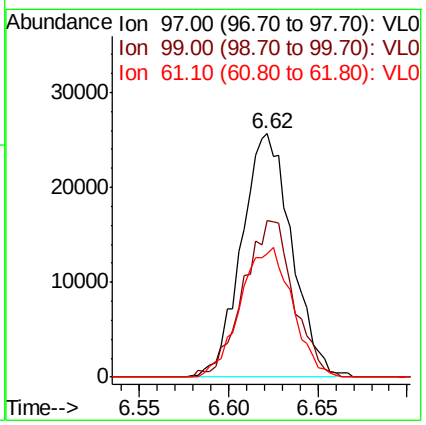


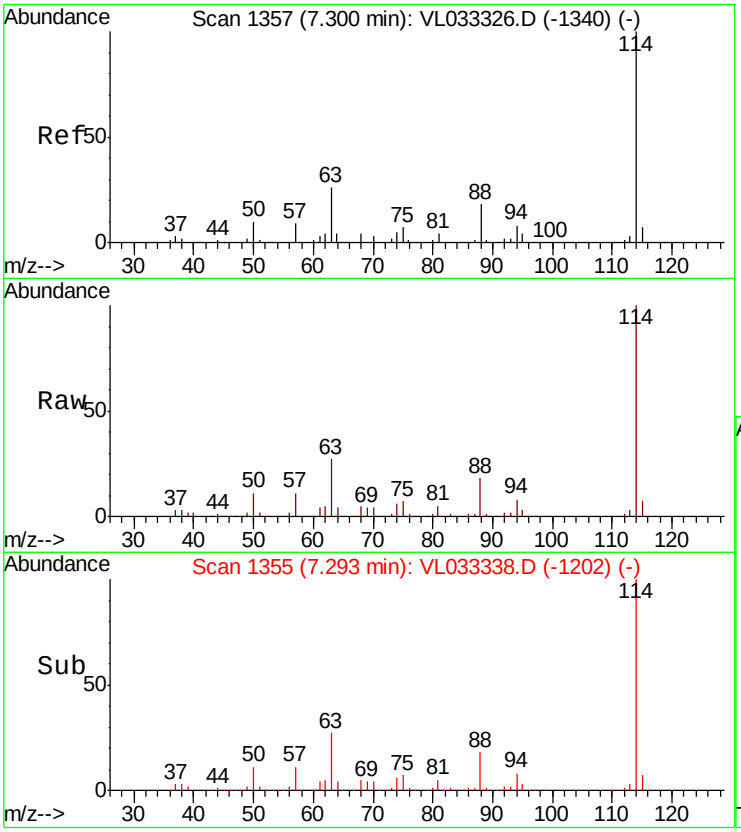


#32
1,1,1-Trichloroethane
Concen: 0.410 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 97 Resp: 50244

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	55.4	39.3	58.9



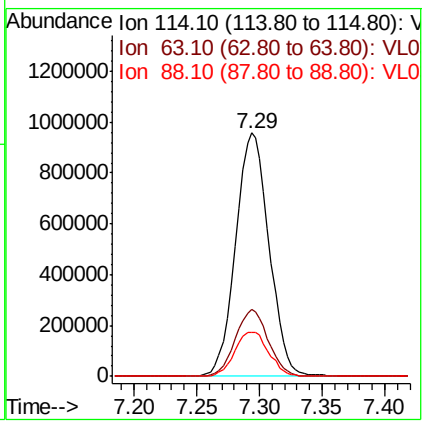


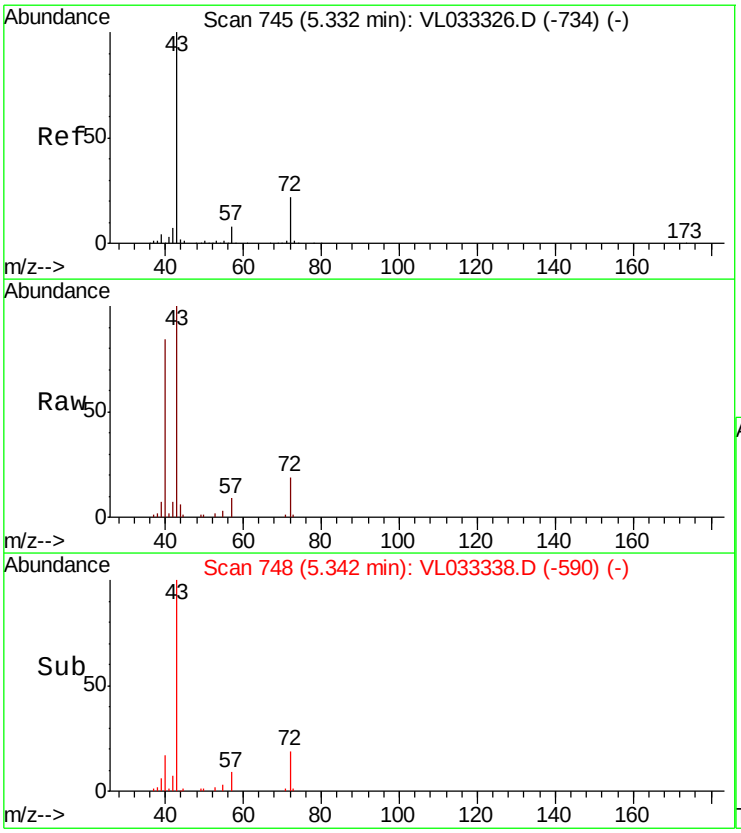
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1767824

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.4	32.2
88	18.8	14.5	21.7

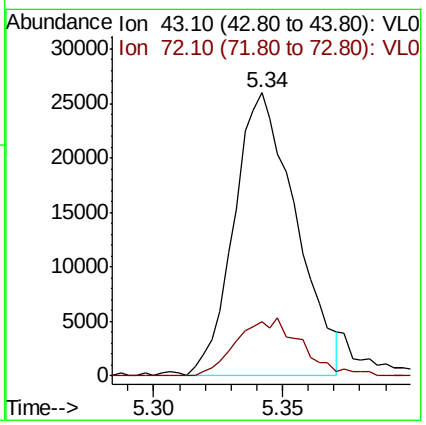


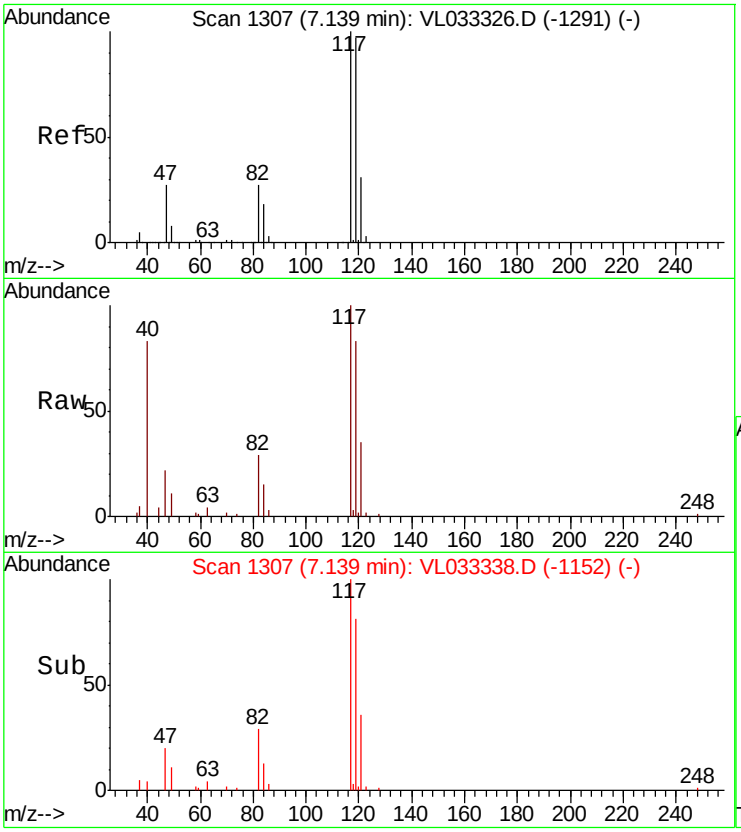


#34
2-Butanone
Concen: 0.374 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 43 Resp: 43478

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.7	26.5



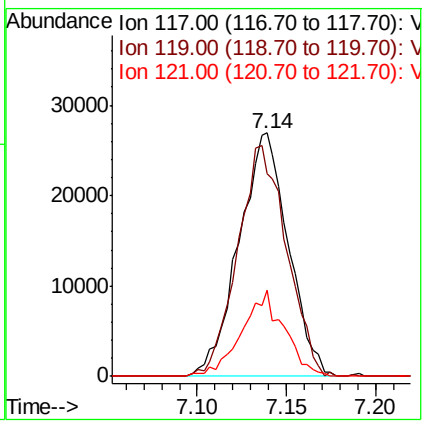


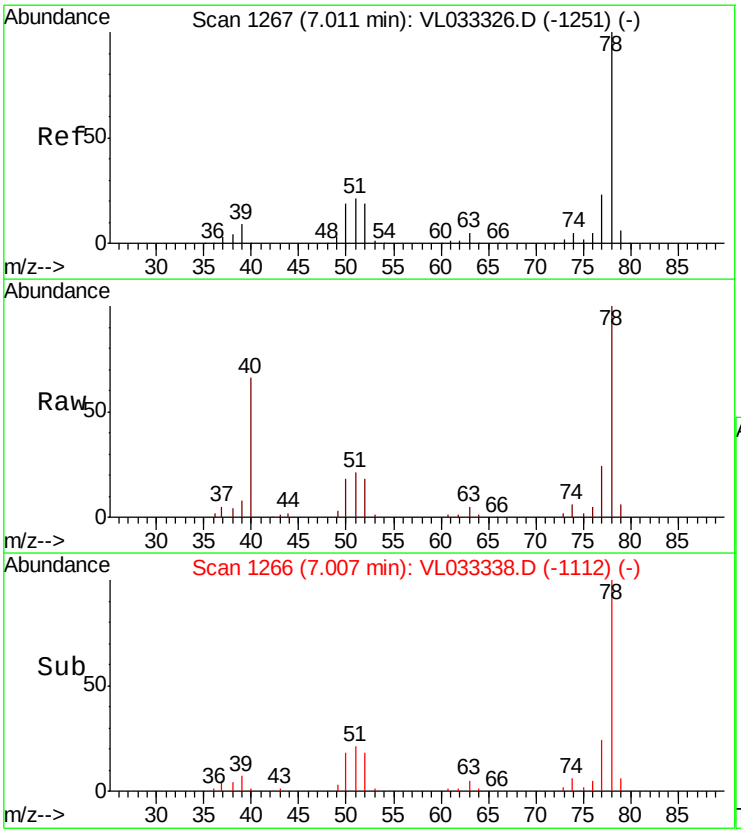
#35
Carbon Tetrachloride
Concen: 0.418 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 52116

Ion	Ratio	Lower	Upper
117	100		
119	80.9	77.4	116.0
121	34.4	24.9	37.3

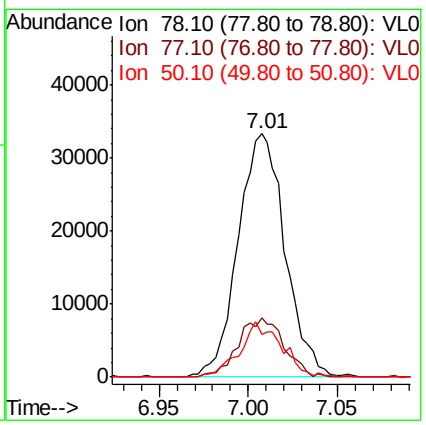


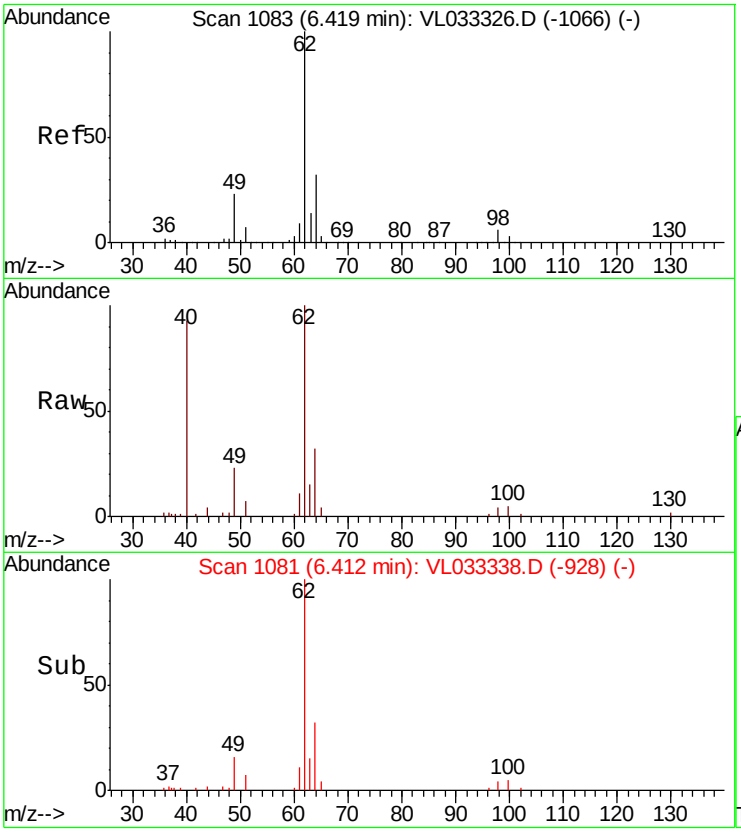


#36
Benzene
Concen: 0.387 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 78 Resp: 61257

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.1	27.1
50	17.5	15.2	22.8



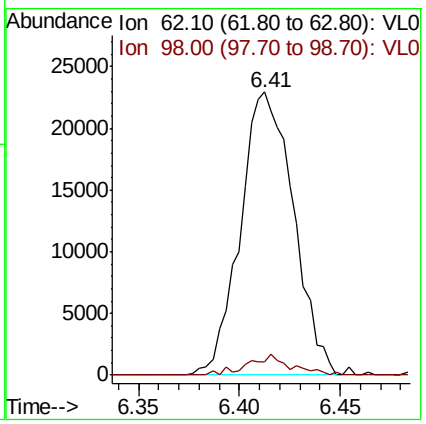


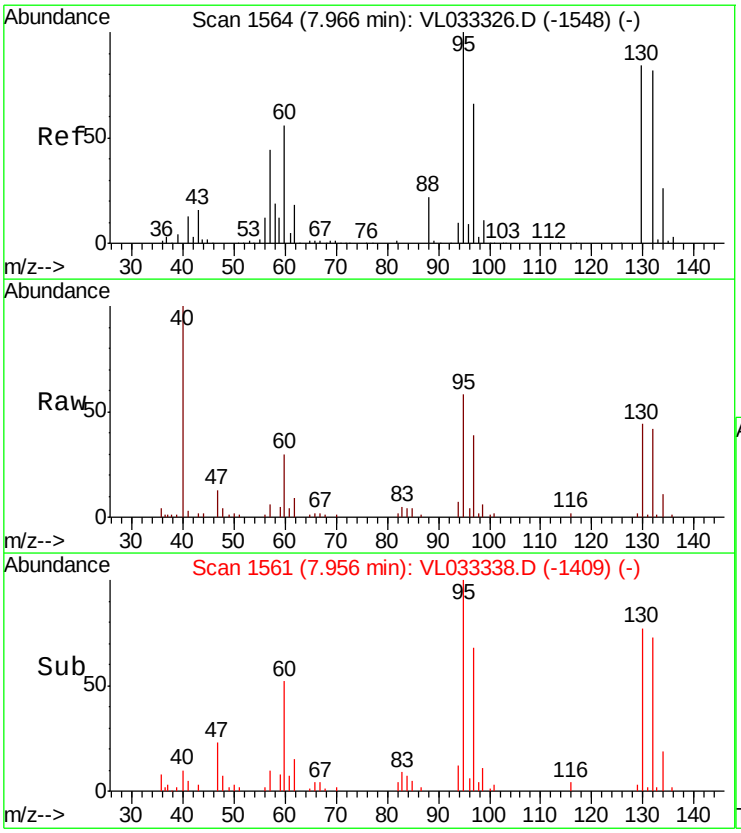
#37
1,2-Dichloroethane
Concen: 0.422 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 42209

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.5	6.7

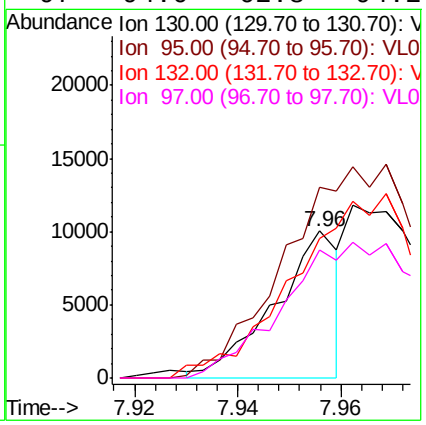


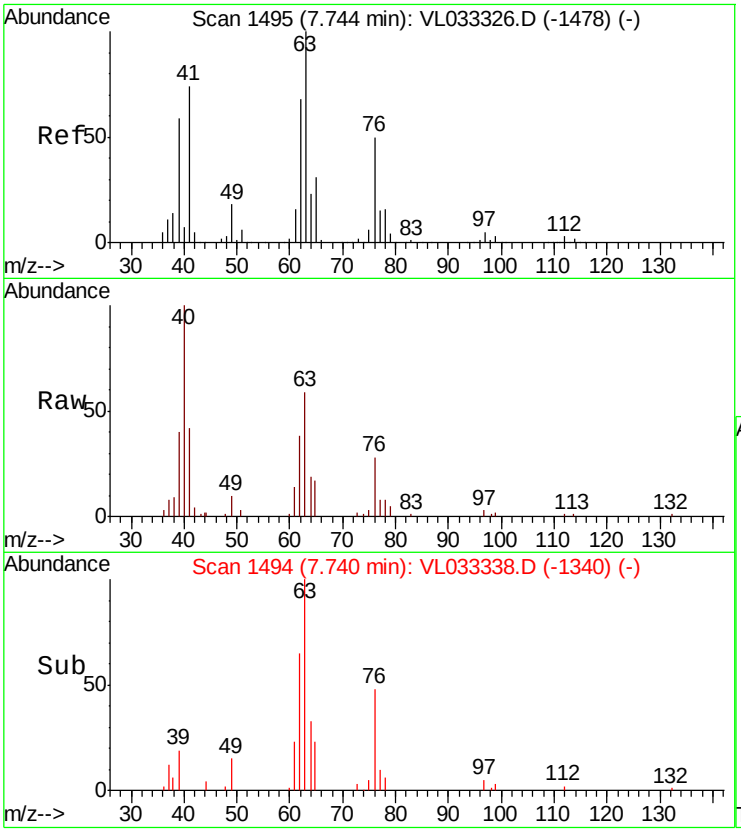


#38
Trichloroethene
Concen: 0.144 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:130 Resp: 8631

Ion	Ratio	Lower	Upper
130	100		
95	136.9	95.2	142.8
132	95.4	77.7	116.5
97	94.0	62.8	94.2



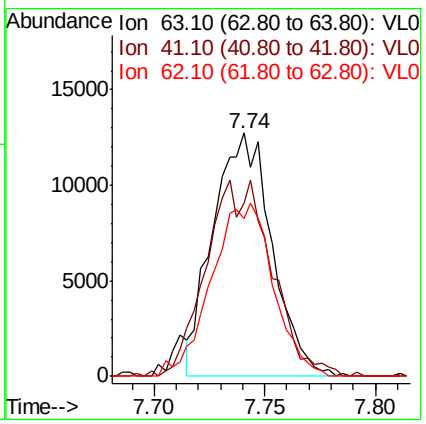


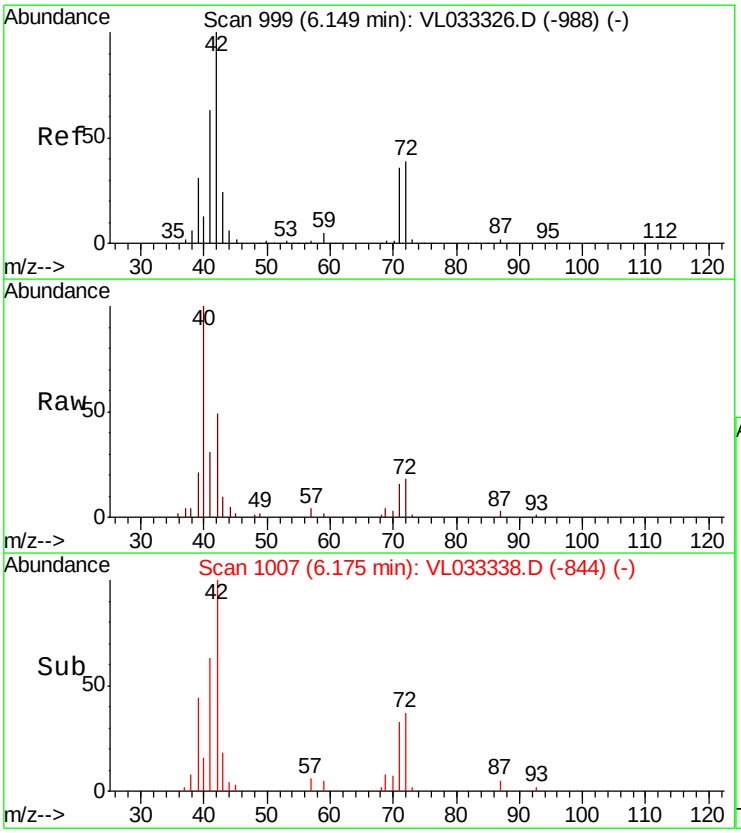
#39
1,2-Dichloropropane
Concen: 0.397 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 23515

Ion	Ratio	Lower	Upper
63	100		
41	68.5	59.5	89.3
62	65.1	54.7	82.1

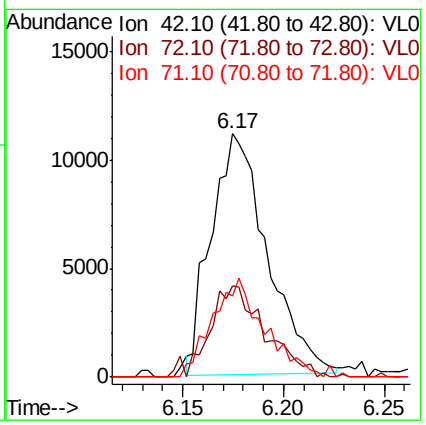


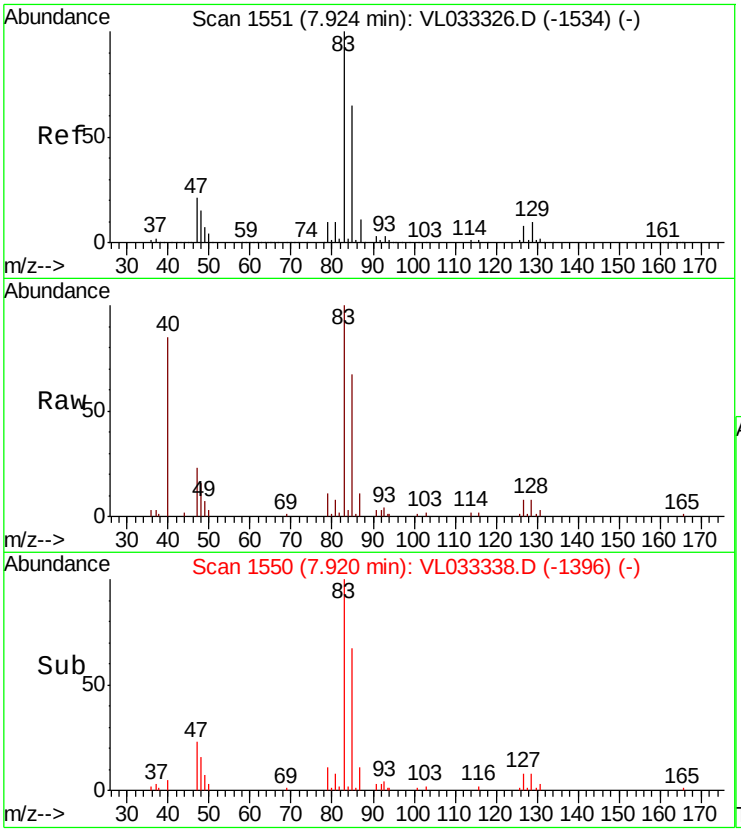


#41
Tetrahydrofuran
Concen: 0.348 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. 0.03 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 42 Resp: 21551

Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.6	47.4
71	38.5	29.9	44.9



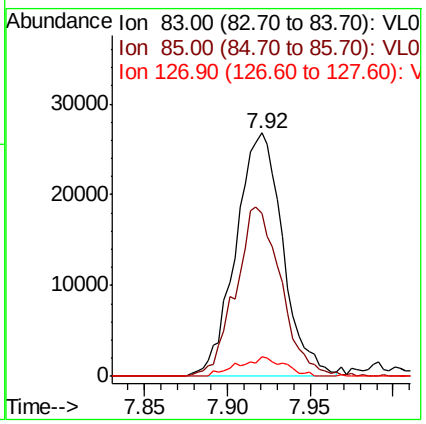


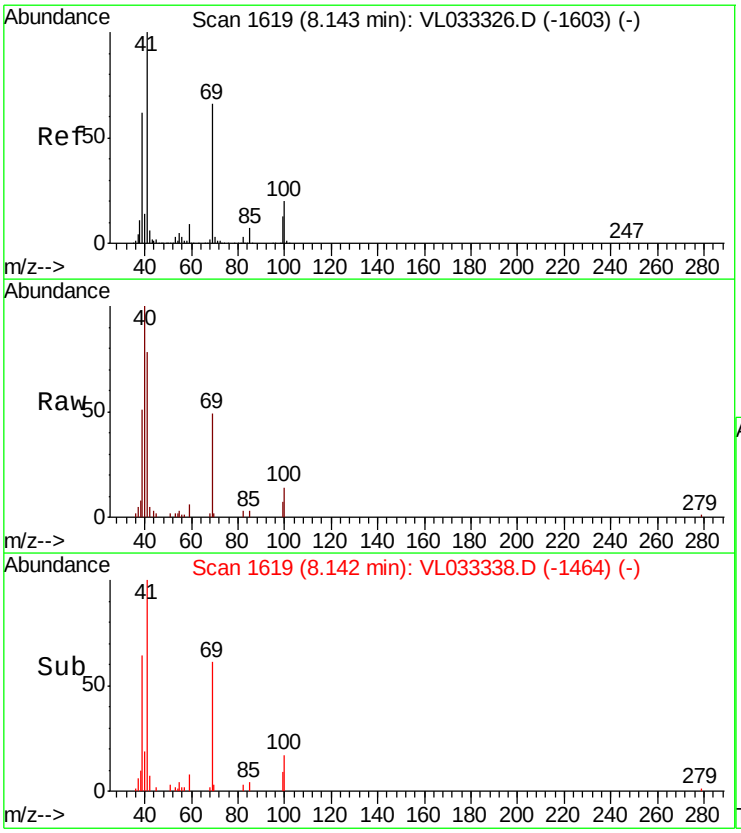
#42
Bromodichloromethane
Concen: 0.395 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 53039

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.6
127	7.9	6.2	9.2

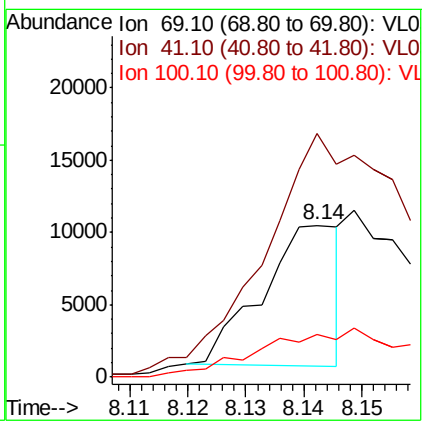


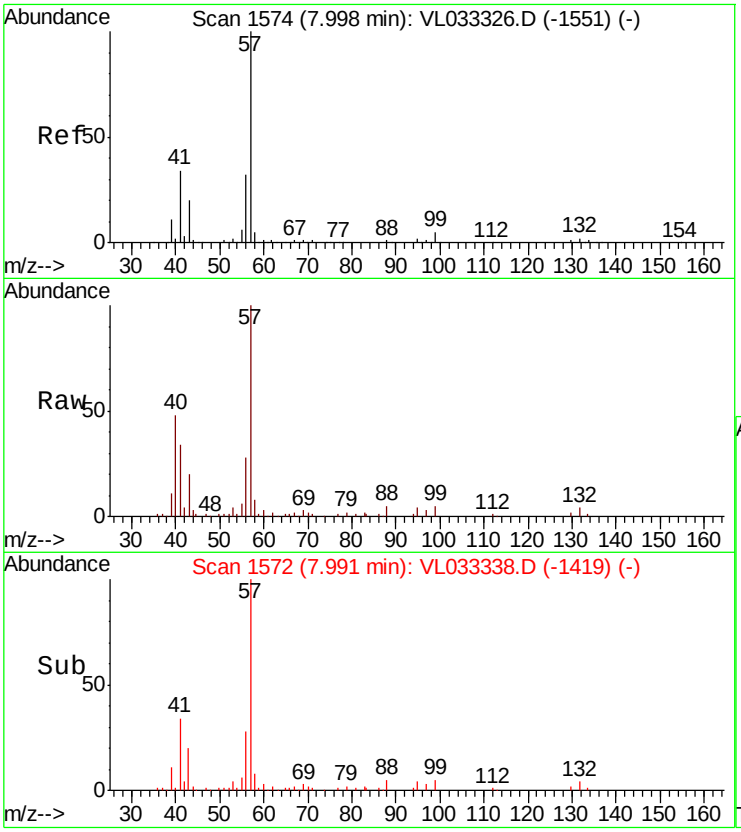


#43
Methyl Methacrylate
Concen: 0.147 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 69 Resp: 9071

Ion	Ratio	Lower	Upper
69	100		
41	357.6	119.5	179.3#
100	0.0	24.4	36.6#



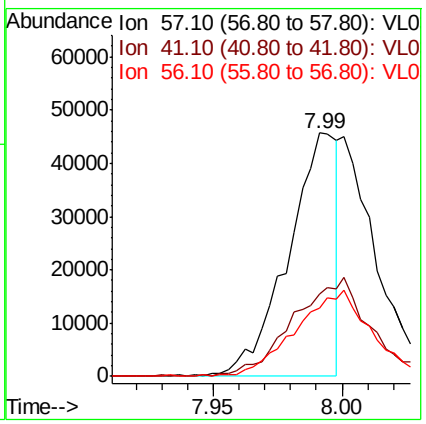


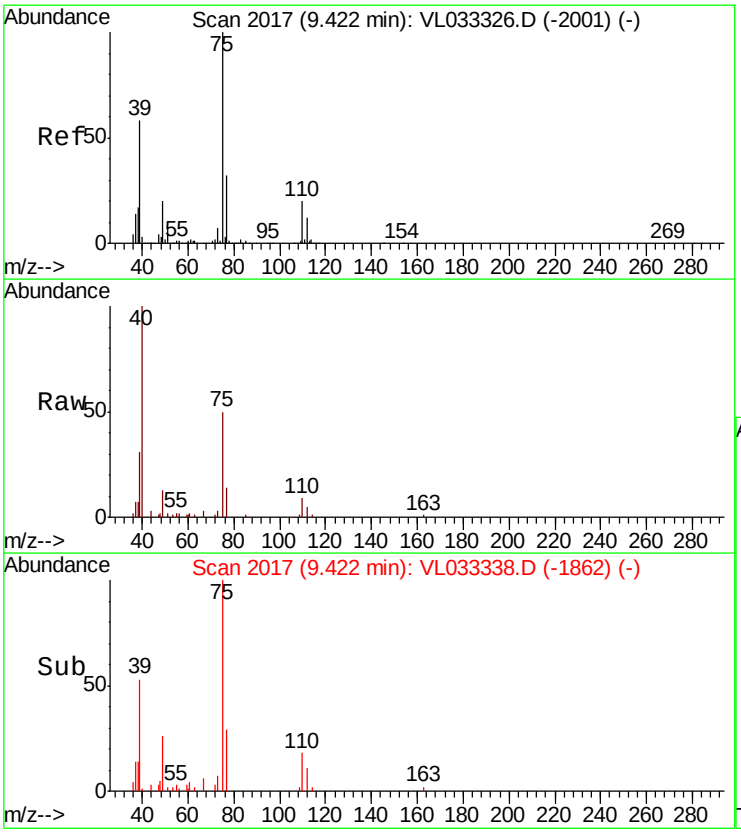
#44
2,2,4-Trimethylpentane
Concen: 0.230 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 60338

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.0	39.0#
56	0.0	24.6	36.8#

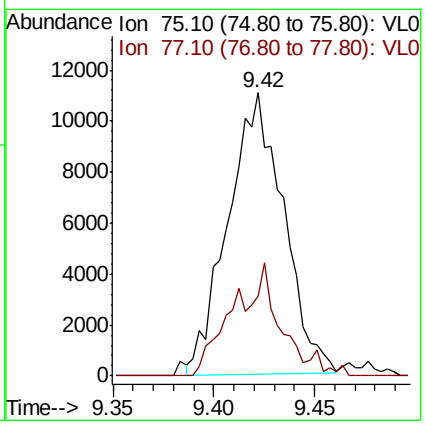


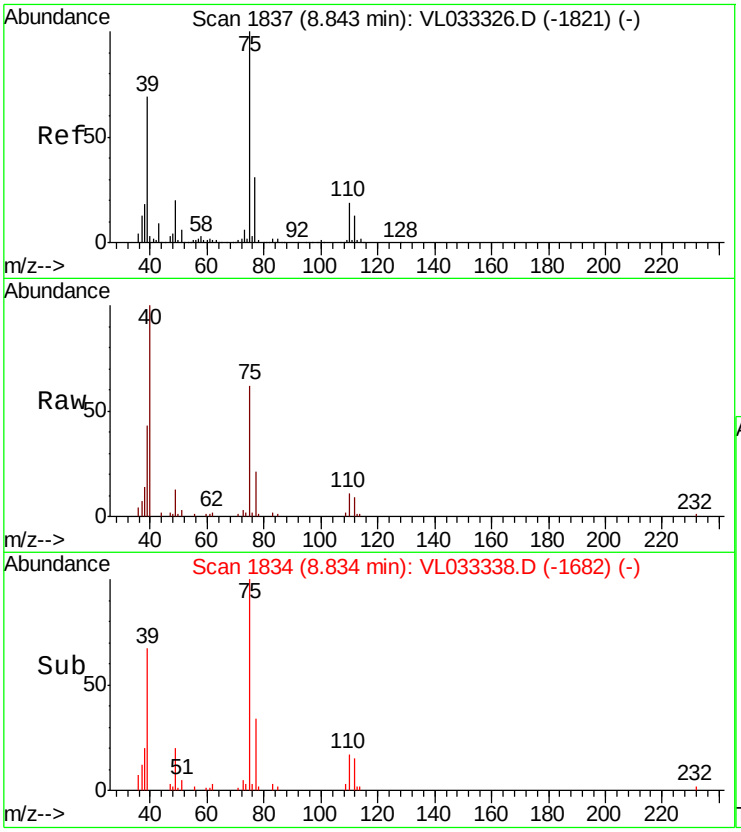


#45
t-1,3-Dichloropropene
Concen: 0.279 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 75 Resp: 21204

Ion	Ratio	Lower	Upper
75	100		
77	28.1	25.5	38.3



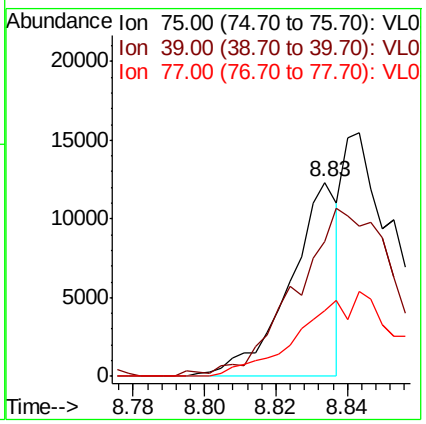


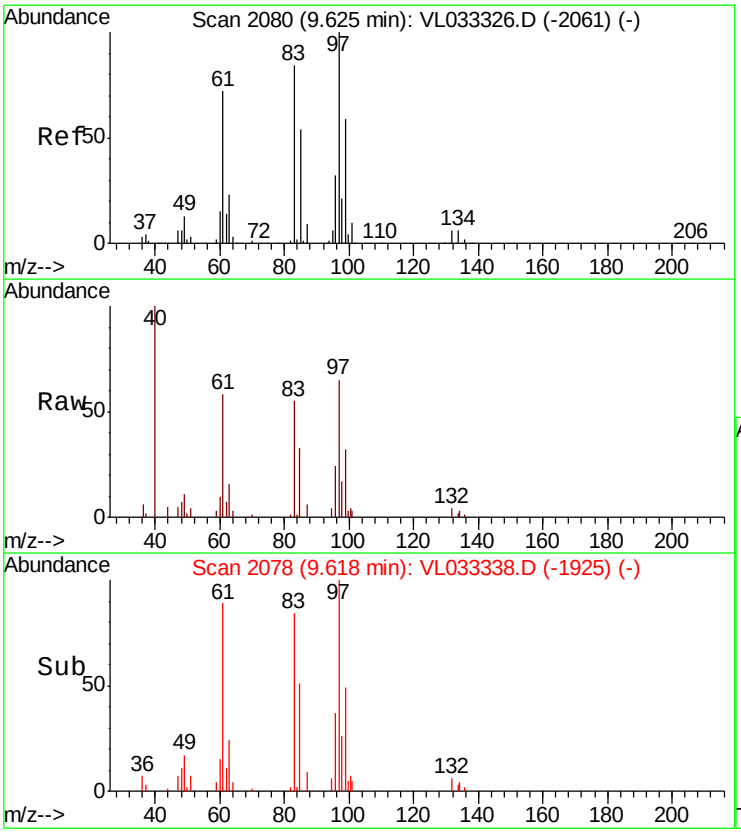
#46
cis-1,3-Dichloropropene
Concen: 0.130 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 11609

Ion	Ratio	Lower	Upper
75	100		
39	66.3	55.0	82.6
77	34.0	24.5	36.7

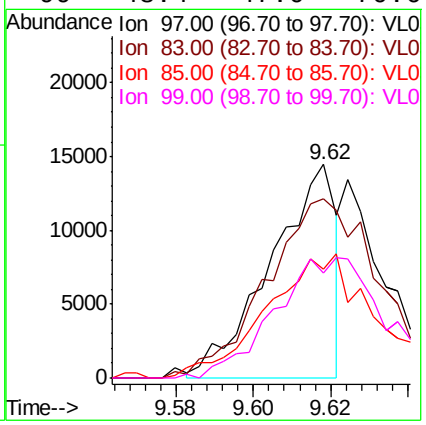


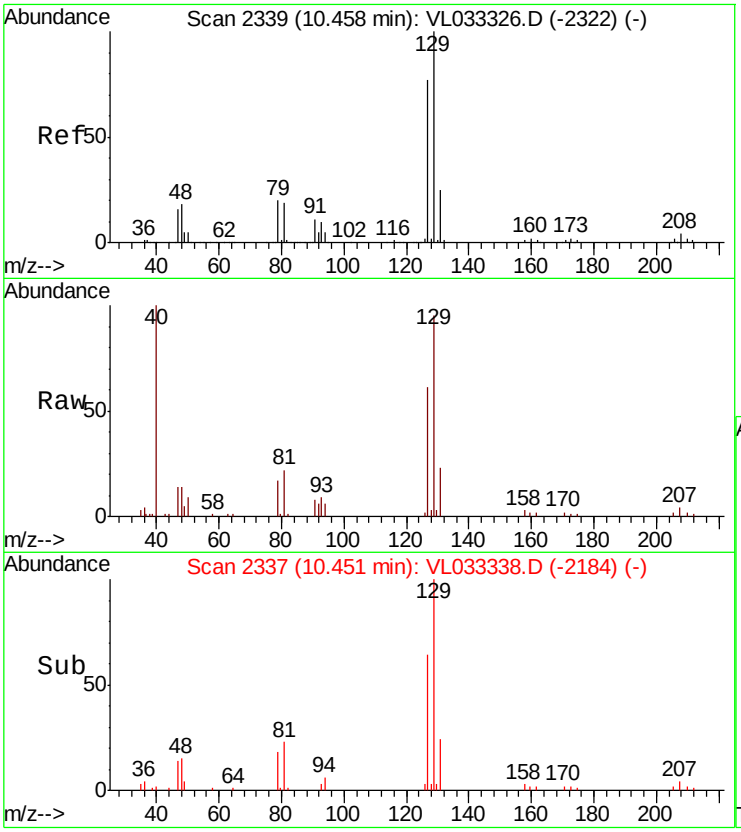


#47
1,1,2-Trichloroethane
Concen: 0.258 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 97 Resp: 16901

Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.4	101.0
85	47.0	43.0	64.4
99	48.4	47.0	70.6



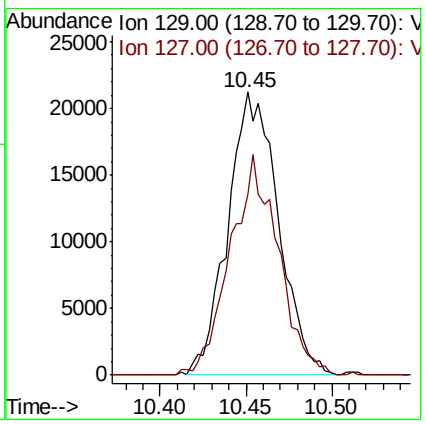


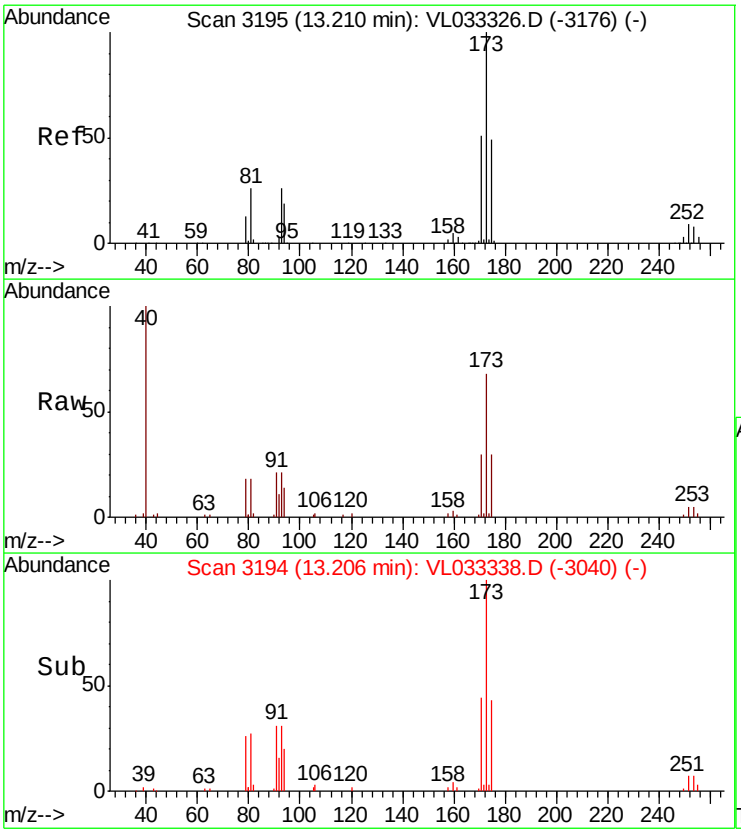
#48
Dibromochloromethane
Concen: 0.396 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 43482

Ion	Ratio	Lower	Upper
129	100		
127	74.1	38.9	116.6

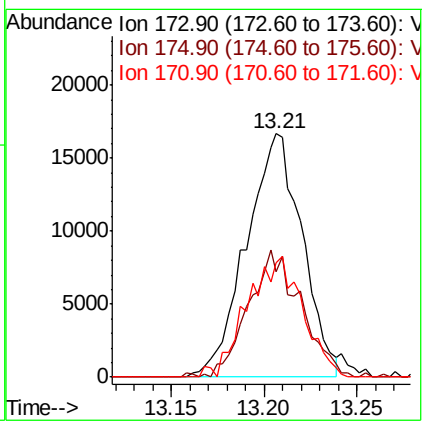


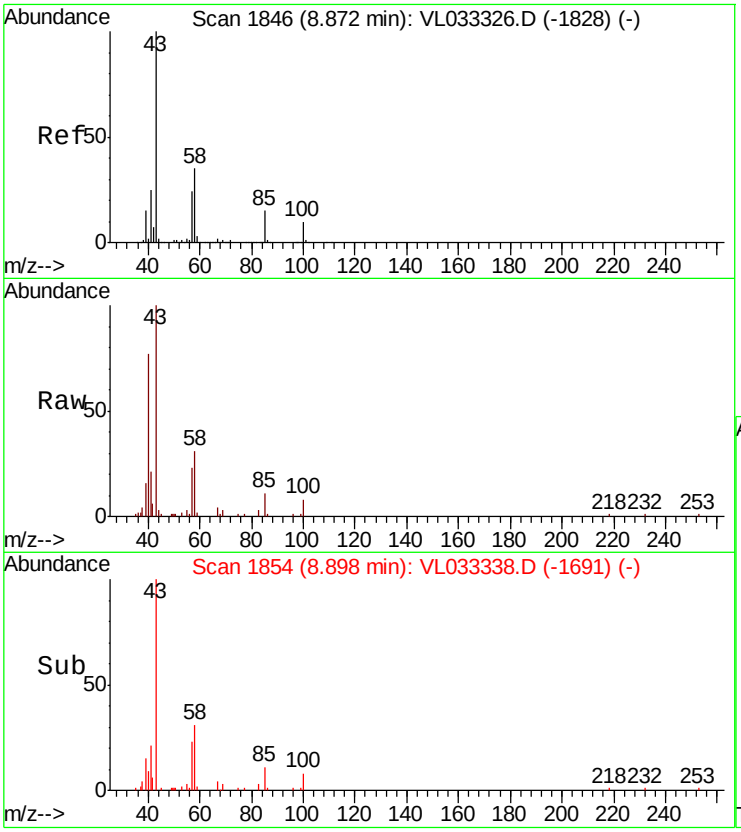


#49
Bromoform
Concen: 0.336 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:173 Resp: 35039

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.6
171	49.5	41.7	62.5



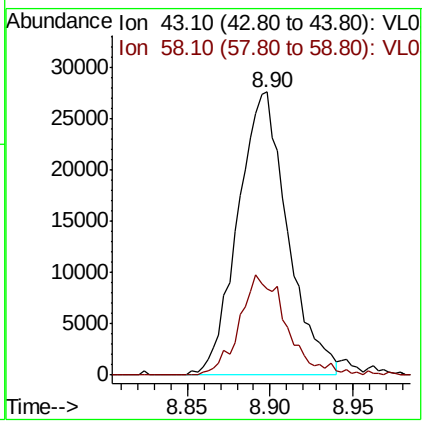


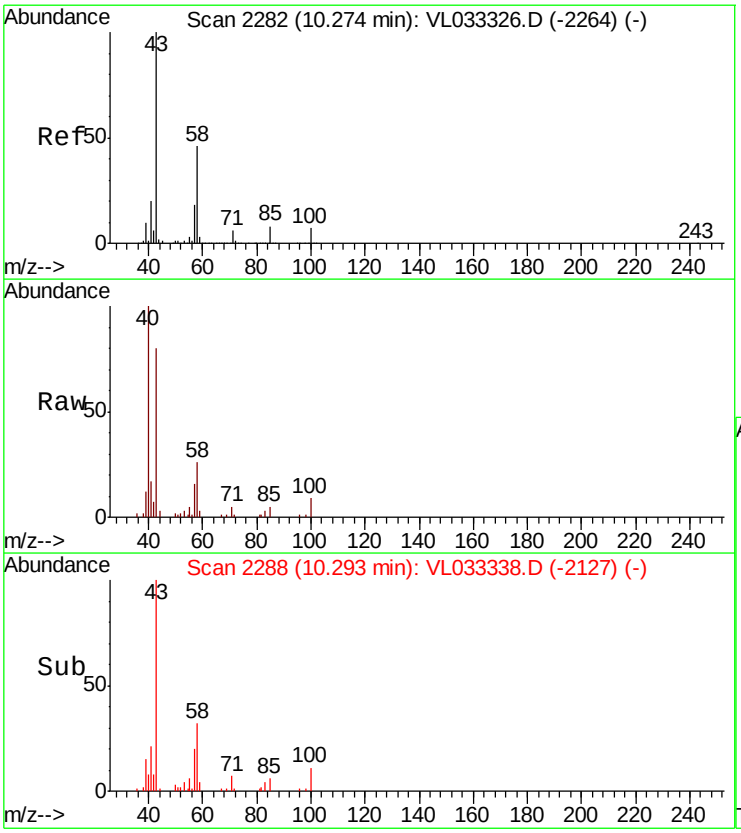
#50
4-Methyl-2-Pentanone
Concen: 0.352 ppbv
RT: 8.90 min Scan# 1854
Delta R.T. 0.03 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 57696

Ion	Ratio	Lower	Upper
43	100		
58	33.8	28.4	42.6

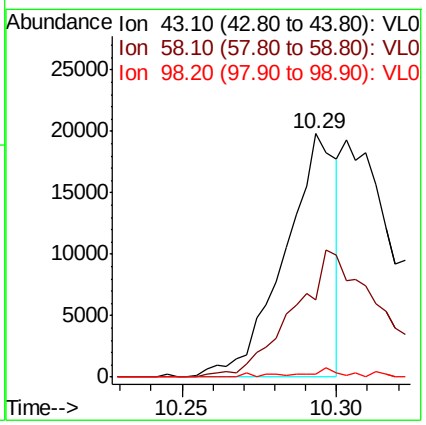


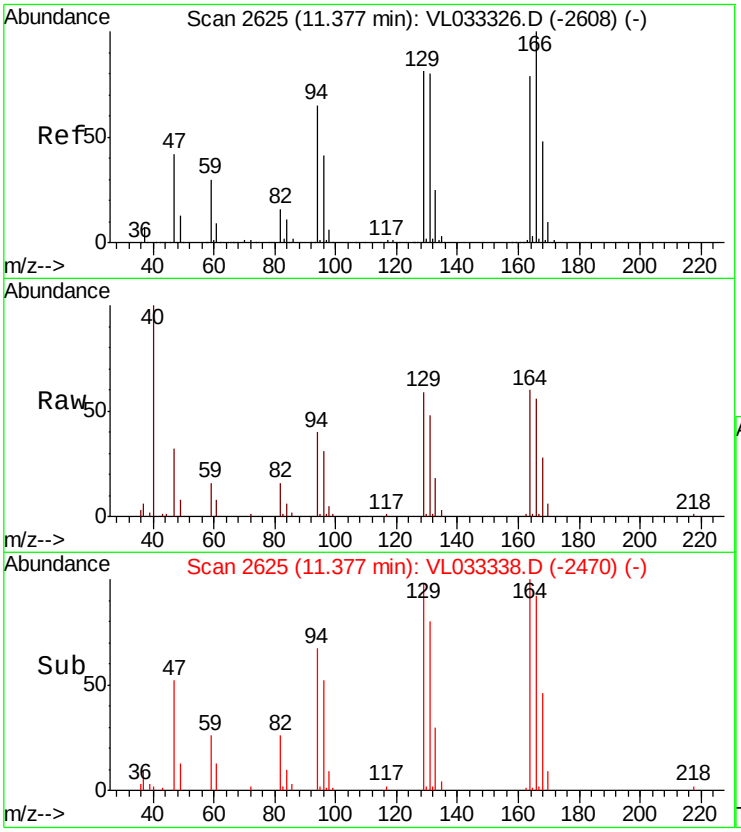


#51
2-Hexanone
Concen: 0.182 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.02 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 43 Resp: 23087

Ion	Ratio	Lower	Upper
43	100		
58	95.1	38.0	57.0#
98	4.2	0.1	0.1#



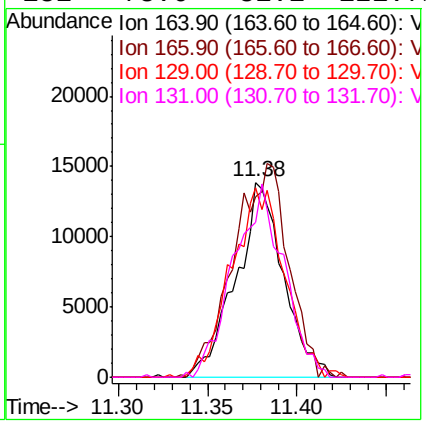


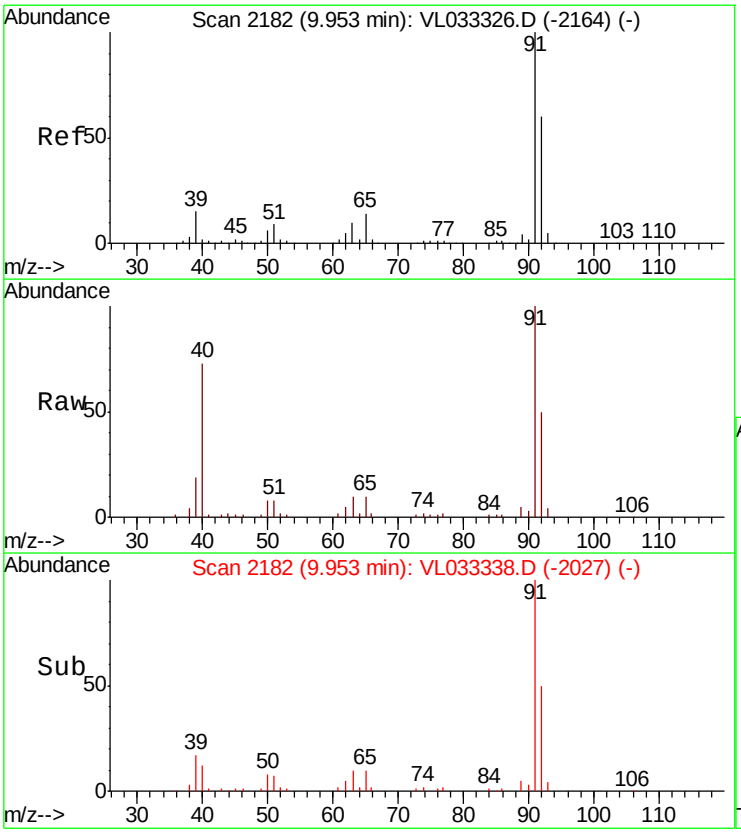
#52
Tetrachloroethene
Concen: 0.390 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 25707

Ion	Ratio	Lower	Upper
164	100		
166	91.2	101.5	152.3#
129	97.3	82.2	123.2
131	78.6	81.1	121.7#

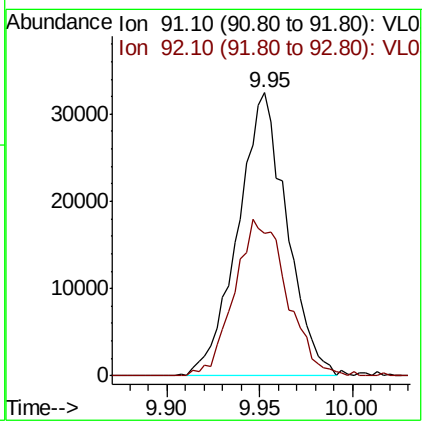


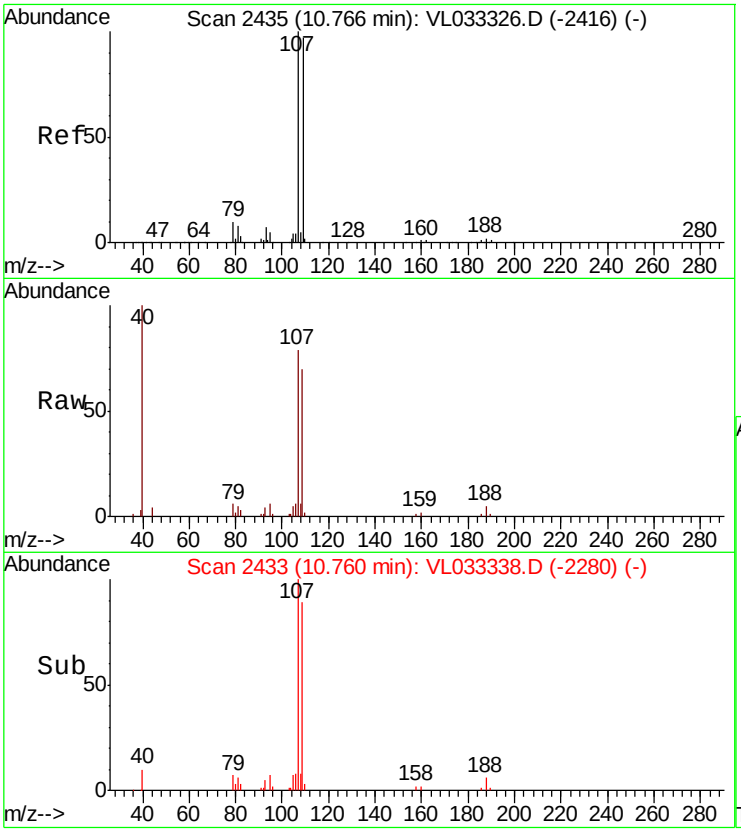


#53
Toluene
Concen: 0.330 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 91 Resp: 59296

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.4	71.0



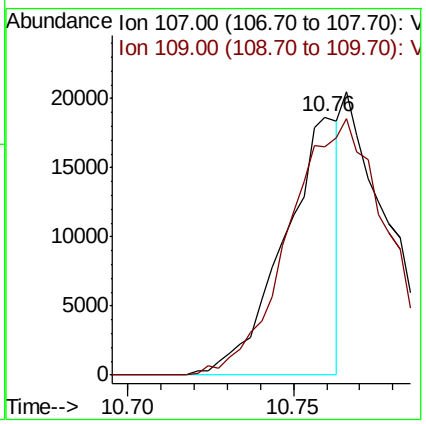


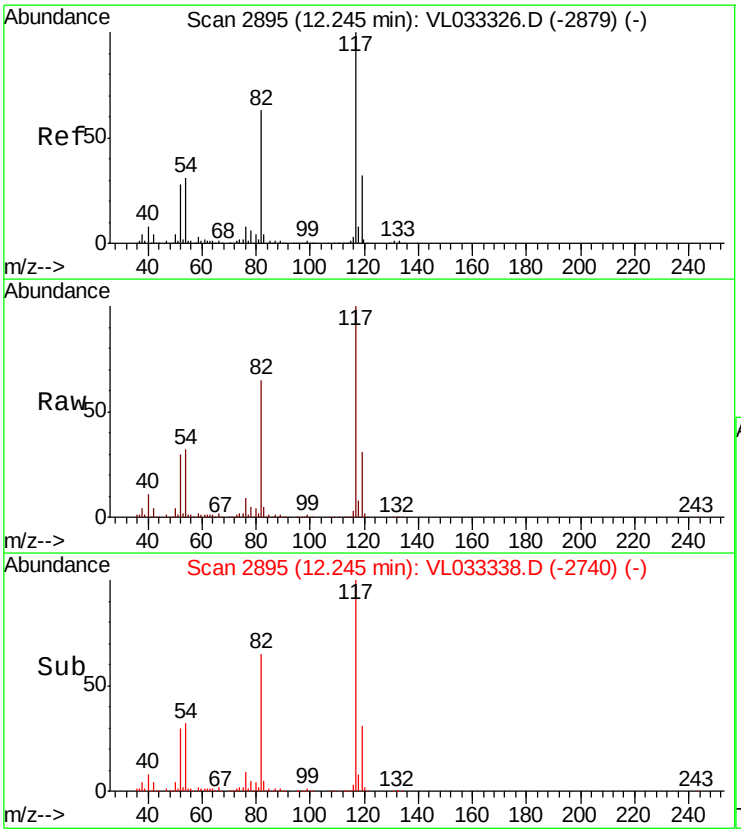
#54
1,2-Dibromoethane
Concen: 0.193 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 21343

Ion	Ratio	Lower	Upper
107	100		
109	88.5	77.2	115.8

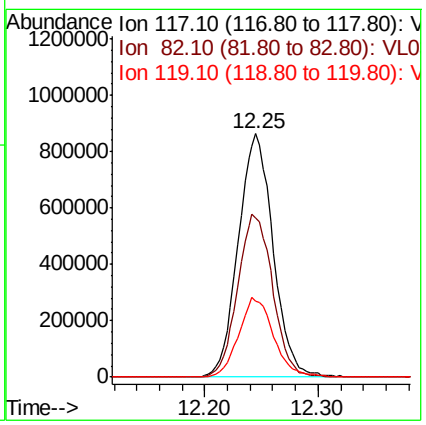


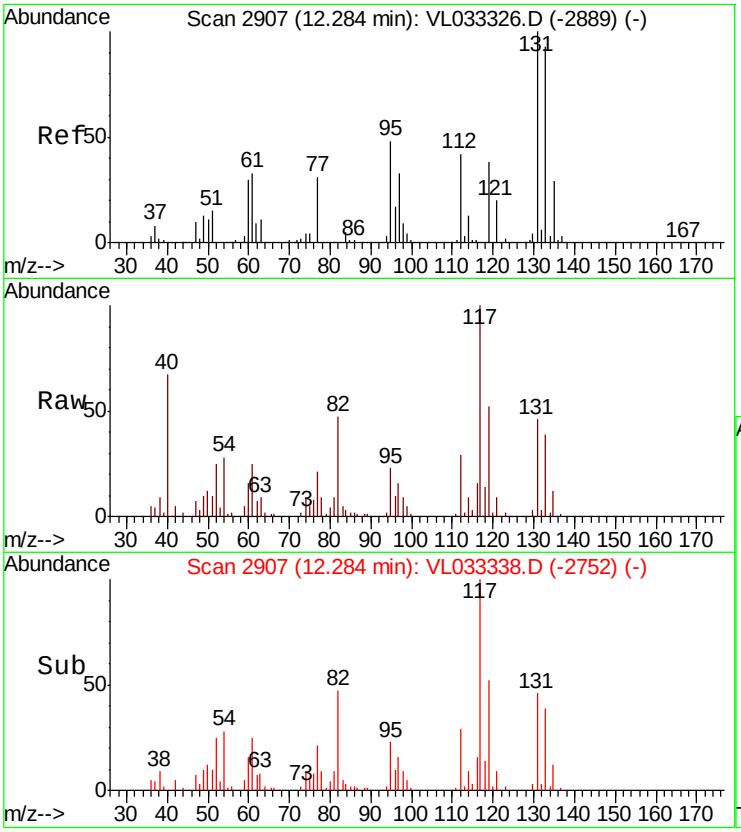


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:117 Resp: 1848623

Ion	Ratio	Lower	Upper
117	100		
82	67.4	53.4	80.2
119	32.9	27.3	40.9



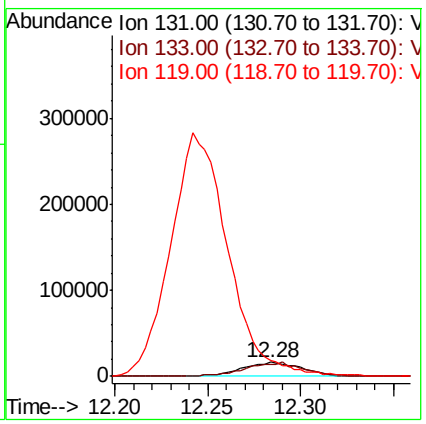


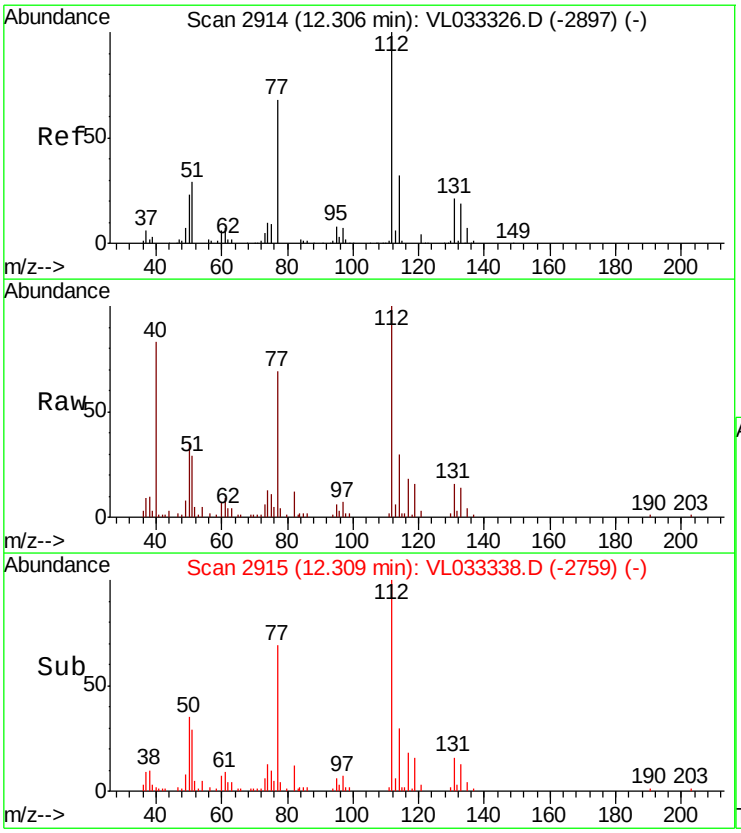
#56
1,1,1,2-Tetrachloroethane
Concen: 0.434 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 35927

Ion	Ratio	Lower	Upper
131	100		
133	94.9	76.7	115.1
119	1701.9	40.3	60.5#

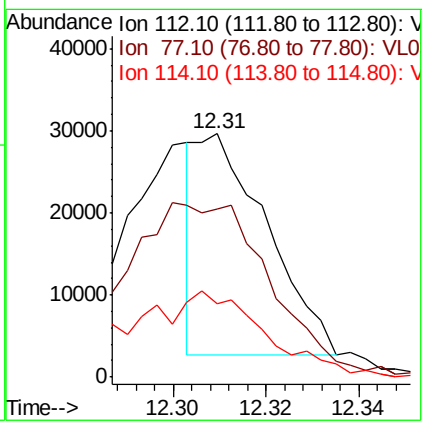


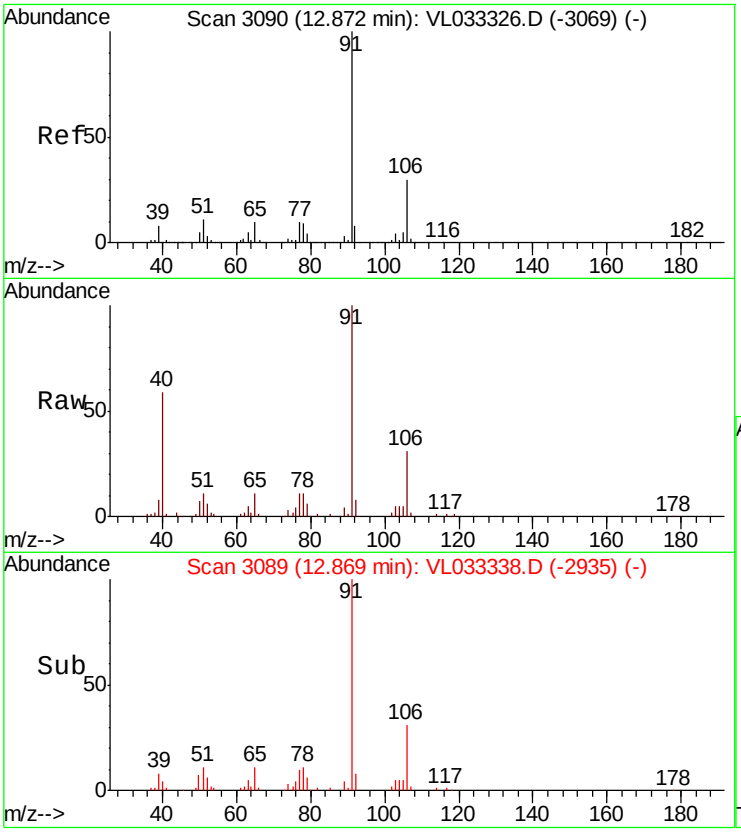


#57
Chlorobenzene
Concen: 0.192 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:112 Resp: 28122

Ion	Ratio	Lower	Upper
112	100		
77	63.8	55.8	83.6
114	25.1	28.6	35.0#



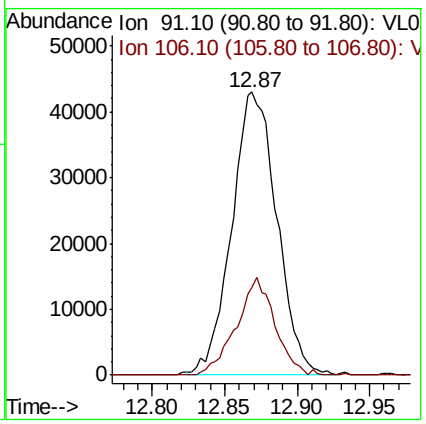


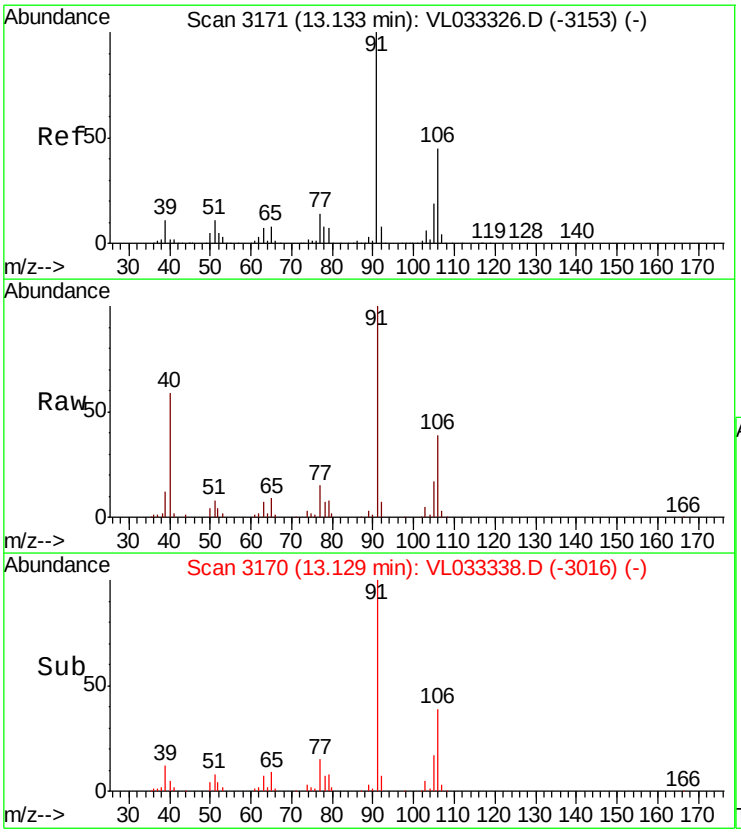
#58
Ethyl Benzene
Concen: 0.356 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 93097

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.2

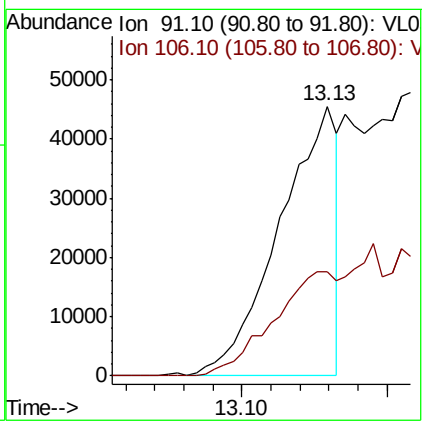


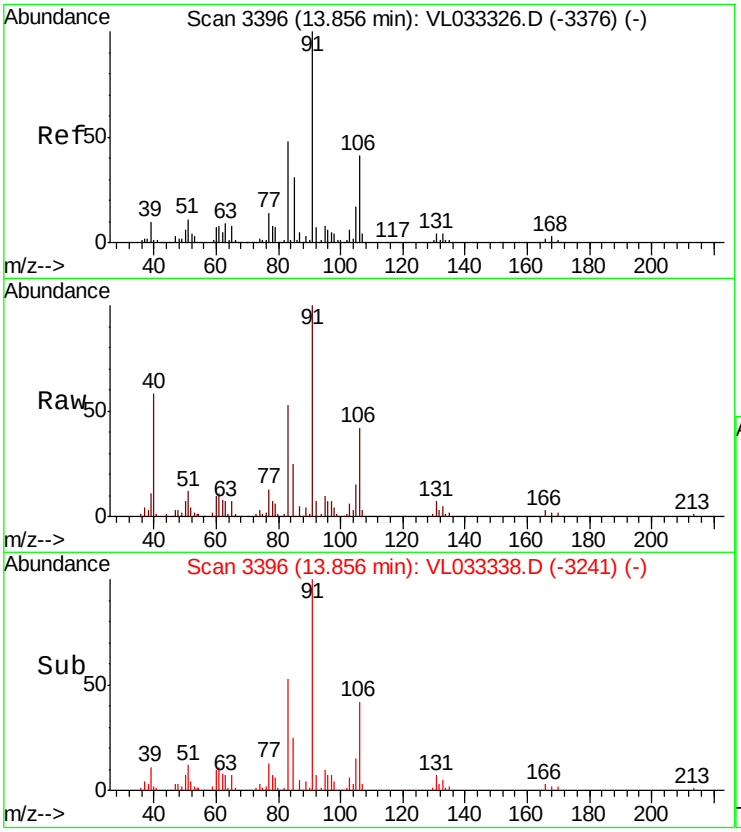


#59
m/p-Xylene
Concen: 0.280 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 91 Resp: 62899

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



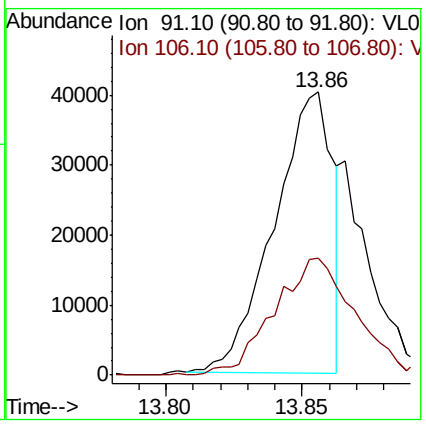


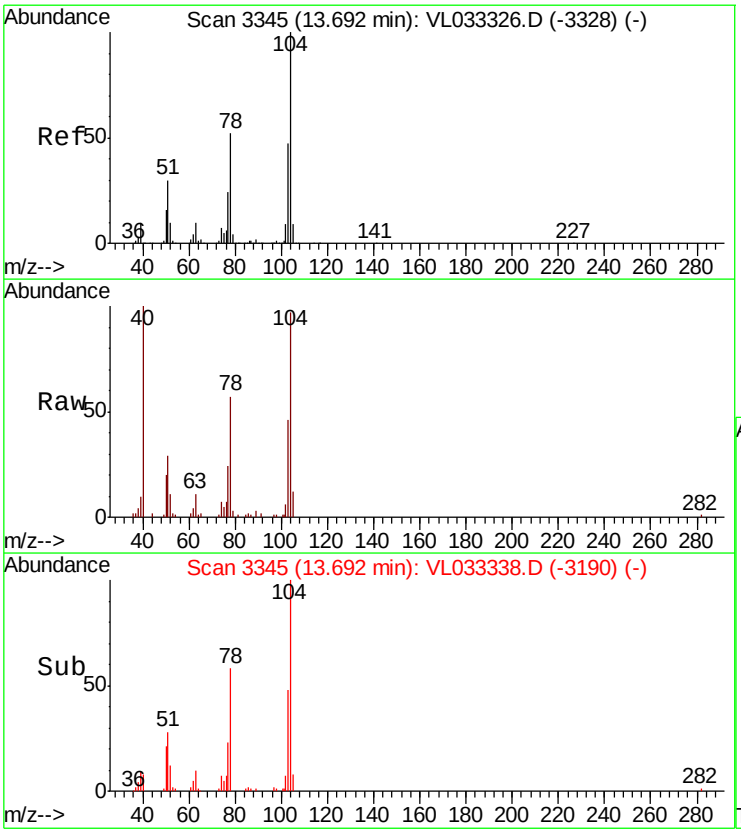
#60
o-Xylene
Concen: 0.274 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 60112

Ion	Ratio	Lower	Upper
91	100		
106	57.6	21.3	63.9

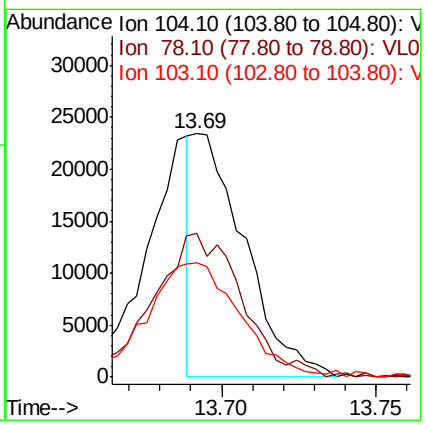


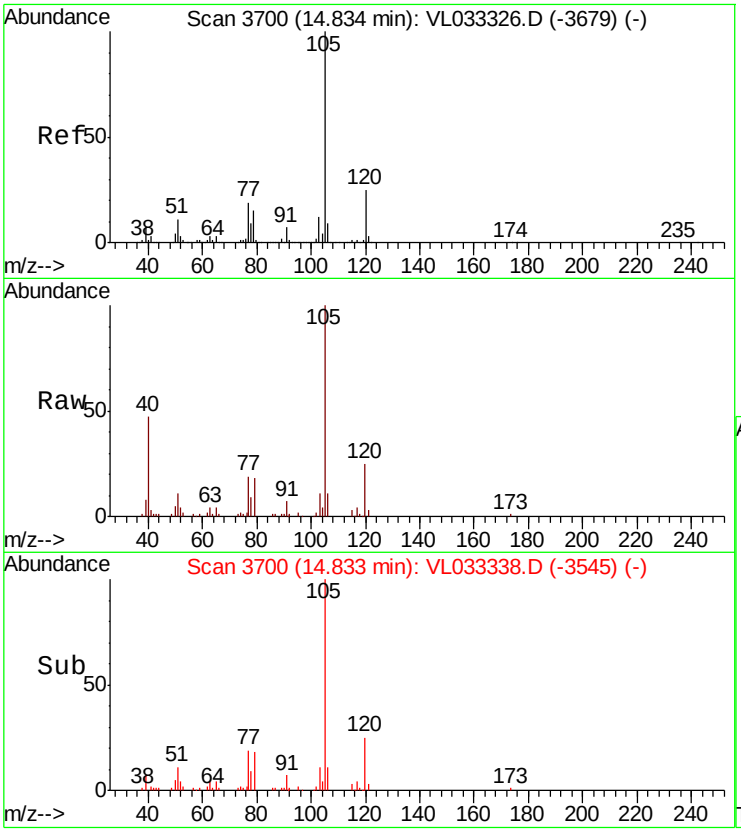


#61
Styrene
Concen: 0.177 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:104 Resp: 27109

Ion	Ratio	Lower	Upper
104	100		
78	104.6	42.7	64.1#
103	86.6	38.0	57.0#



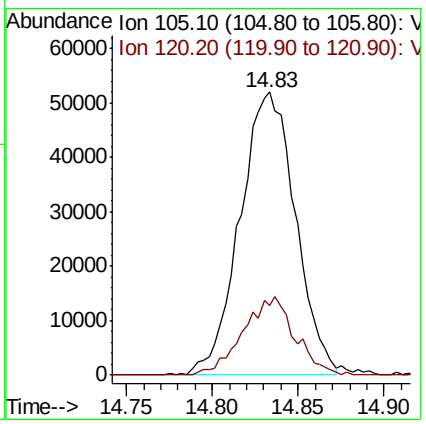


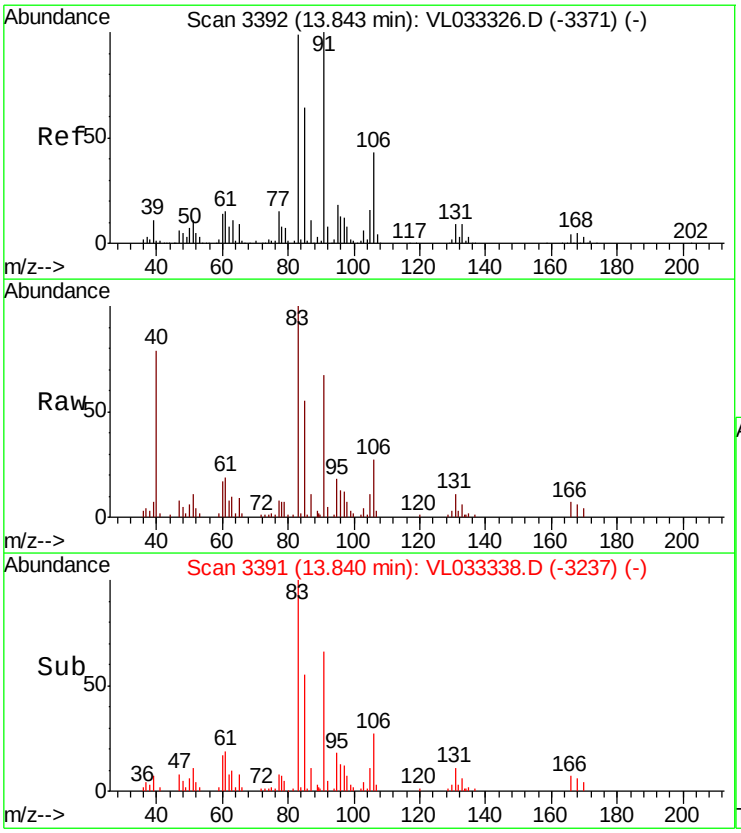
#62
Isopropylbenzene
Concen: 0.383 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 116797

Ion	Ratio	Lower	Upper
105	100		
120	25.9	19.9	29.9

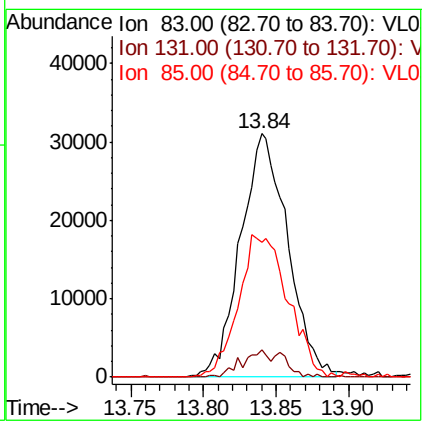


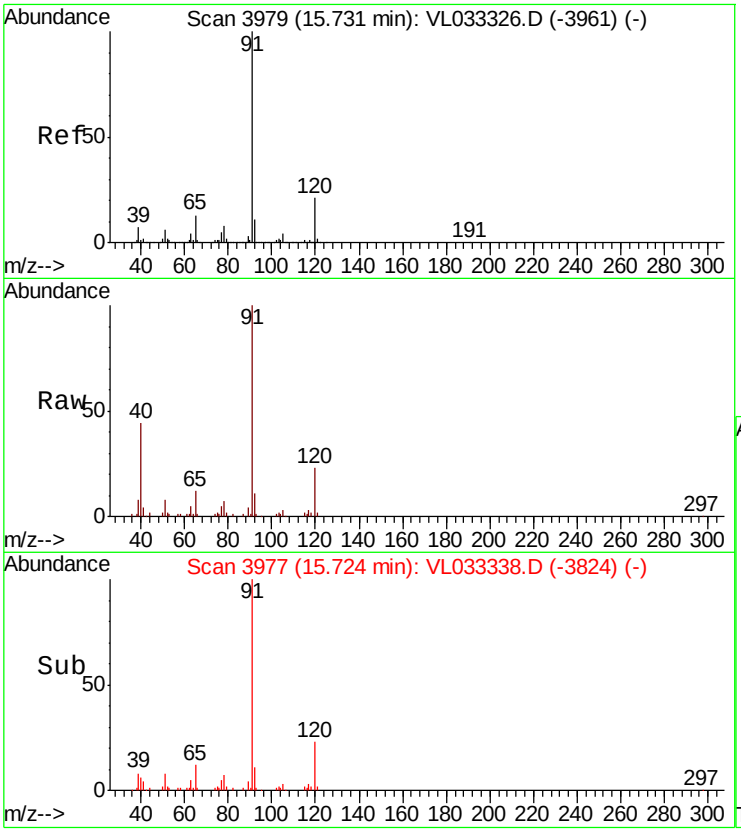


#63
1,1,2,2-Tetrachloroethane
Concen: 0.443 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 83 Resp: 70178

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.0
85	61.2	32.5	97.4



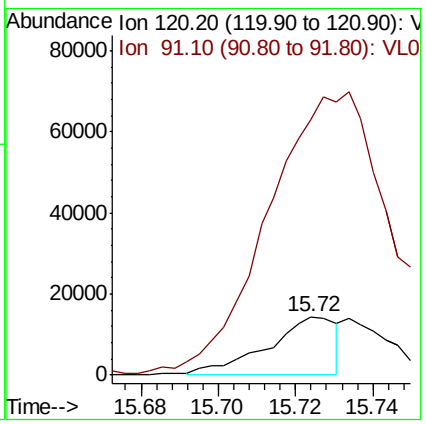


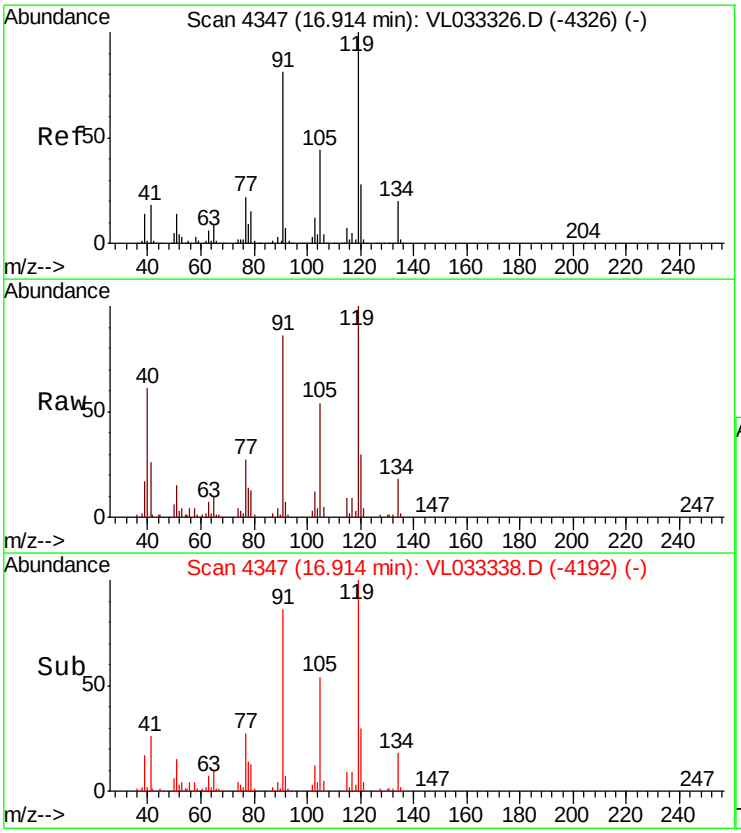
#64
n-propylbenzene
Concen: 0.231 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 17841

Ion	Ratio	Lower	Upper
120	100		
91	519.5	389.8	584.6

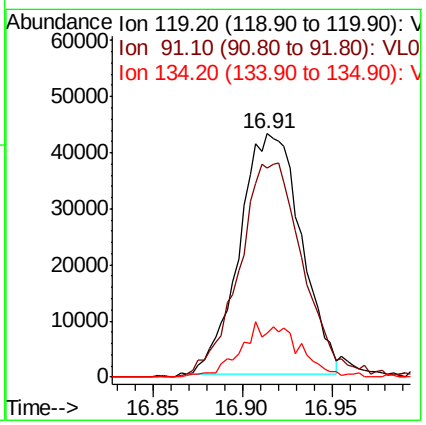


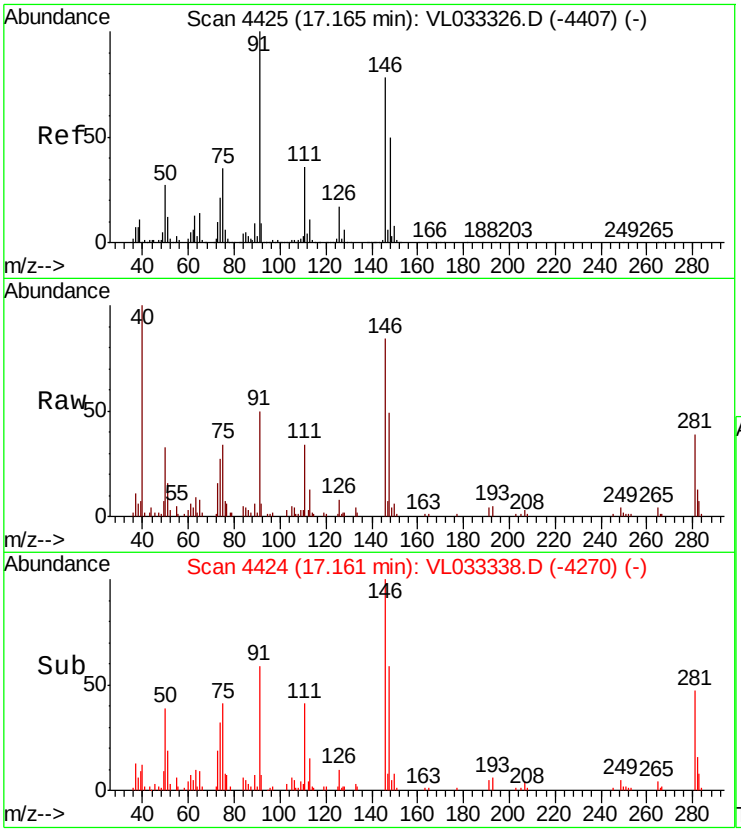


#65
tert-Butylbenzene
Concen: 0.376 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:119 Resp: 103074

Ion	Ratio	Lower	Upper
119	100		
91	94.1	67.2	100.8
134	21.1	15.4	23.2



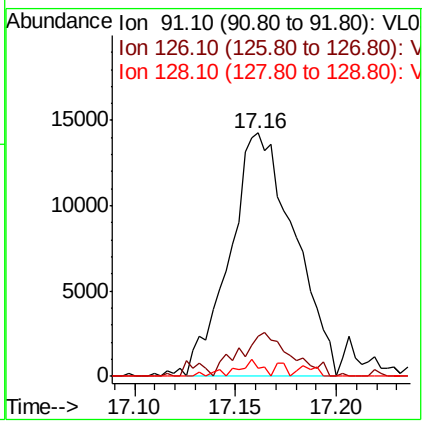


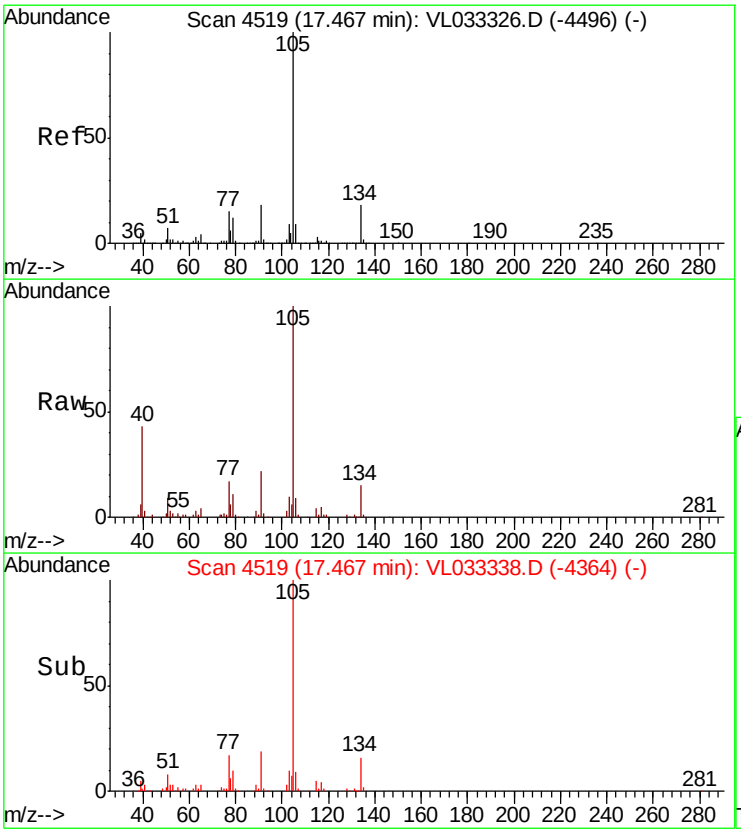
#66
Benzyl Chloride
Concen: 0.280 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 31795

Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.2	19.8
128	4.5	4.2	6.4

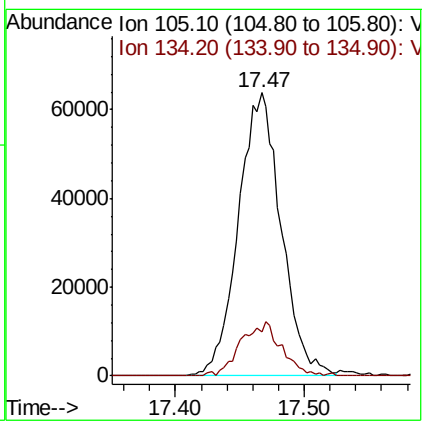


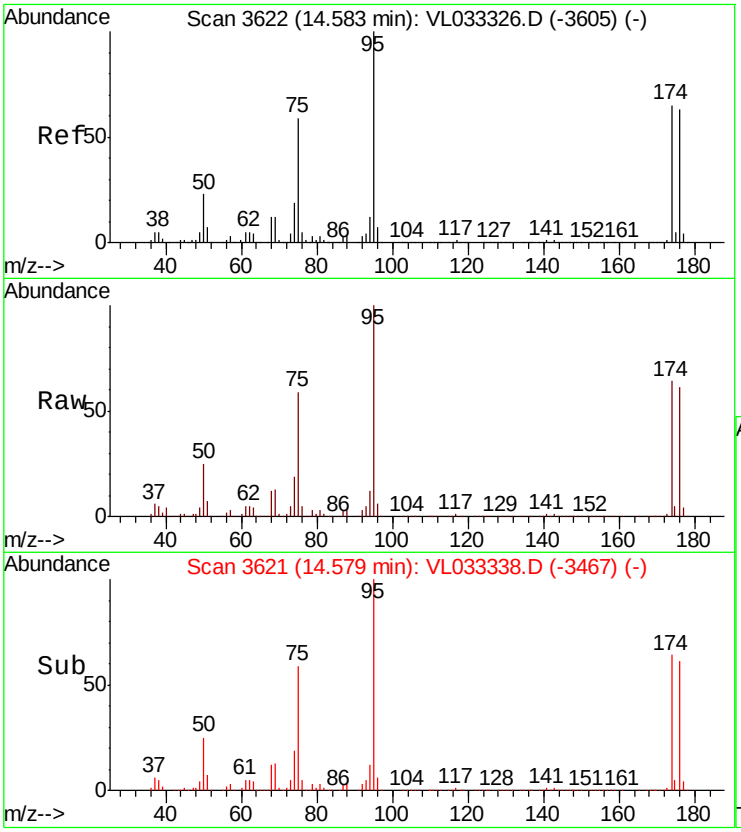


#67
sec-Butylbenzene
Concen: 0.378 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:105 Resp: 146826

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.2	21.4



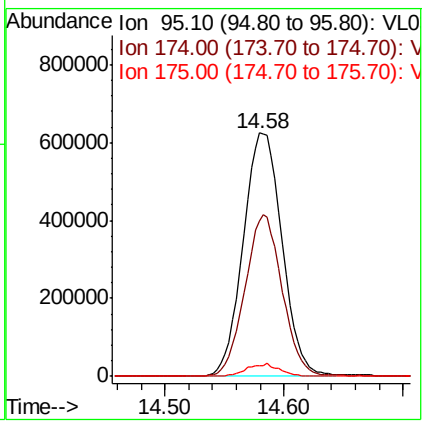


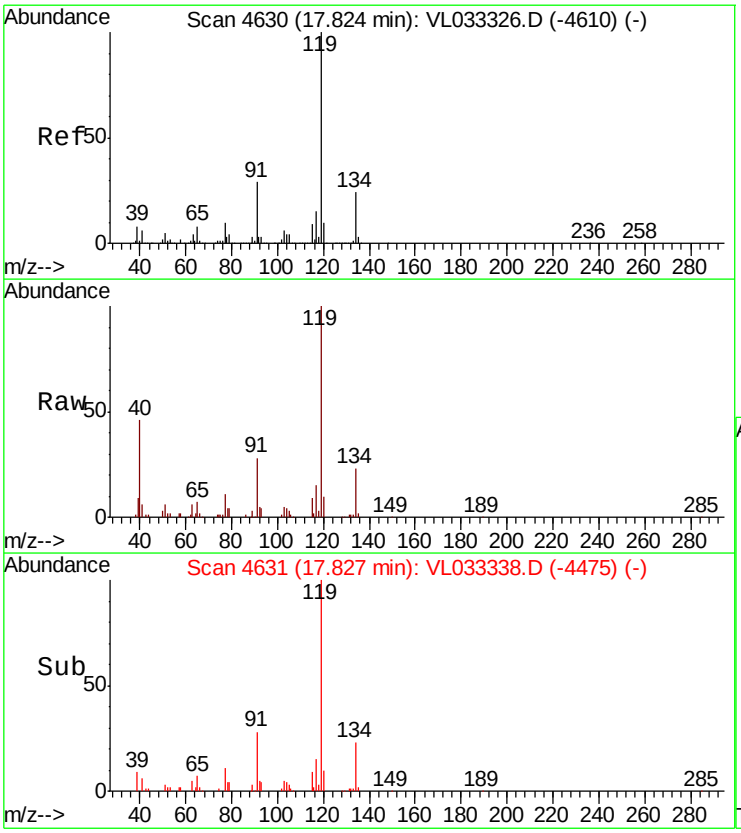
#68
1-Bromo-4-Fluorobenzene
Concen: 10.303 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1411355

Ion	Ratio	Lower	Upper
95	100		
174	64.1	51.5	77.3
175	4.6	3.8	5.6

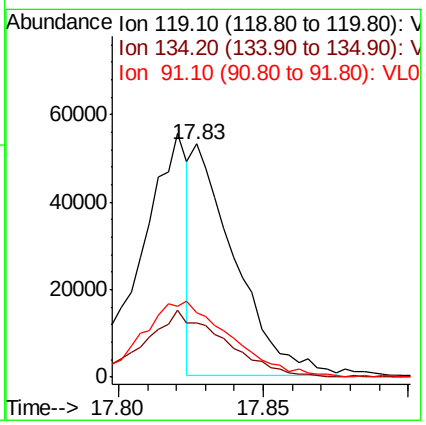


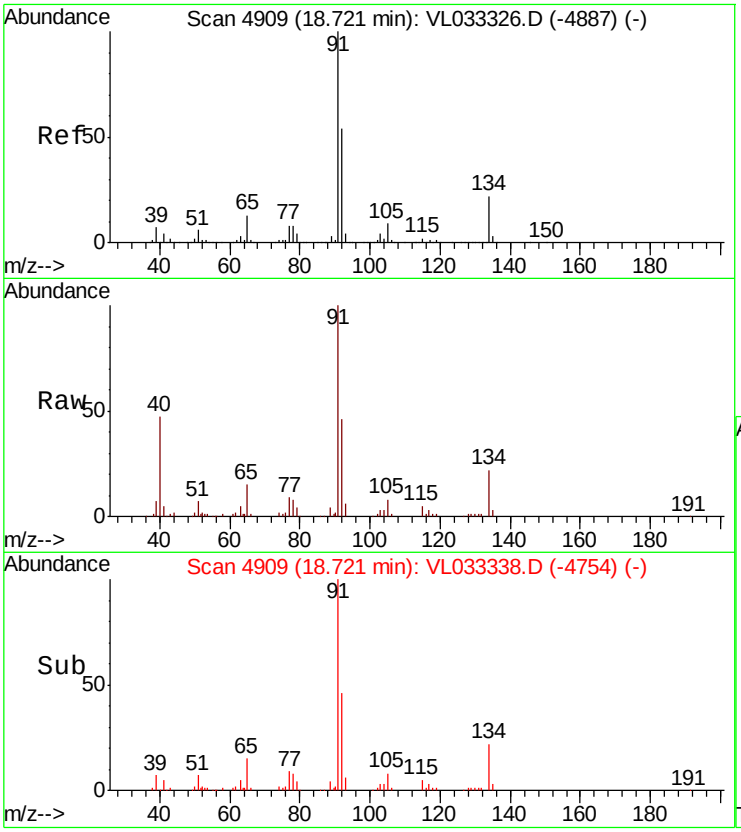


#69
p-Isopropyltoluene
Concen: 0.171 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:119 Resp: 54268

Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.8	29.6#
91	70.5	23.4	35.2#



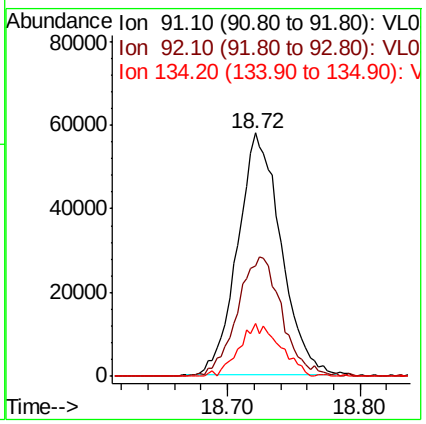


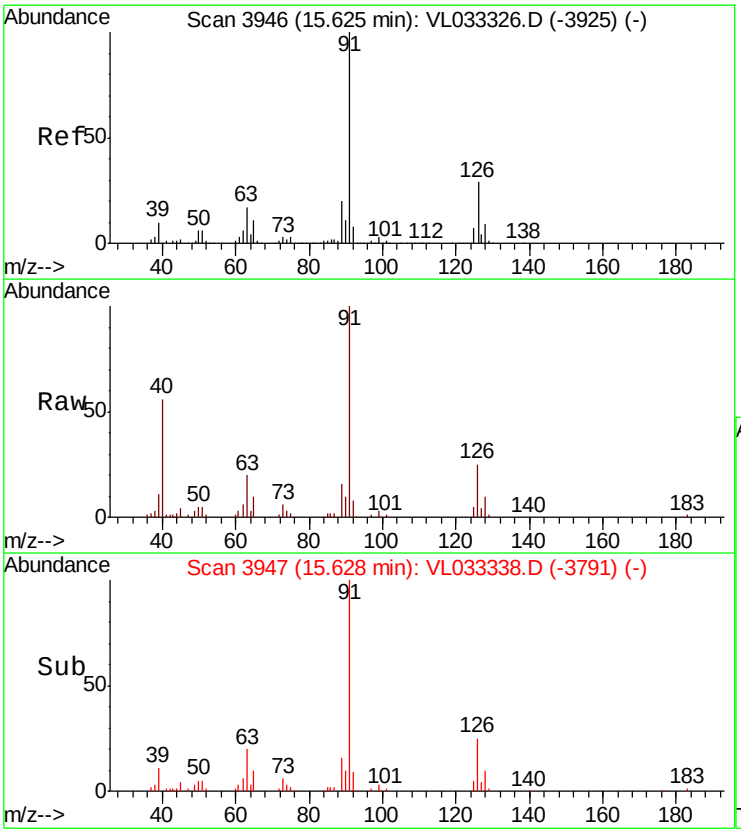
#70
n-Butylbenzene
Concen: 0.387 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 131239

Ion	Ratio	Lower	Upper
91	100		
92	51.1	42.8	64.2
134	20.8	17.4	26.0

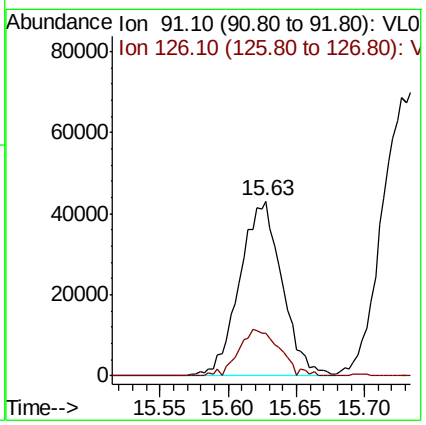


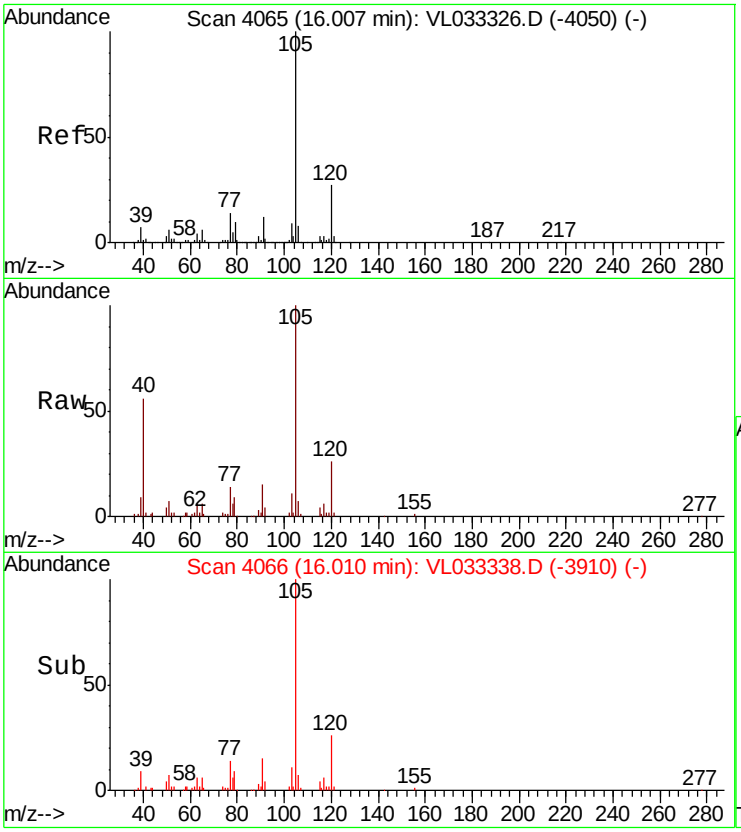


#71
2-Chlorotoluene
Concen: 0.392 ppbv
RT: 15.63 min Scan# 3947
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion: 91 Resp: 92908

Ion	Ratio	Lower	Upper
91	100		
126	25.9	11.6	46.6



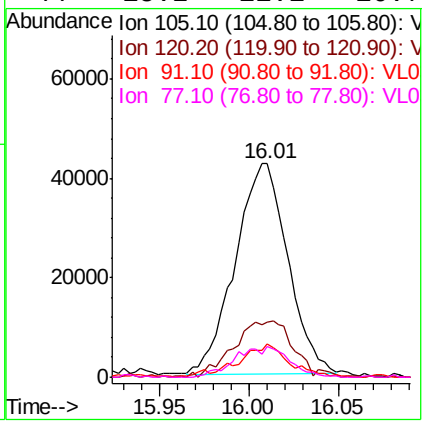


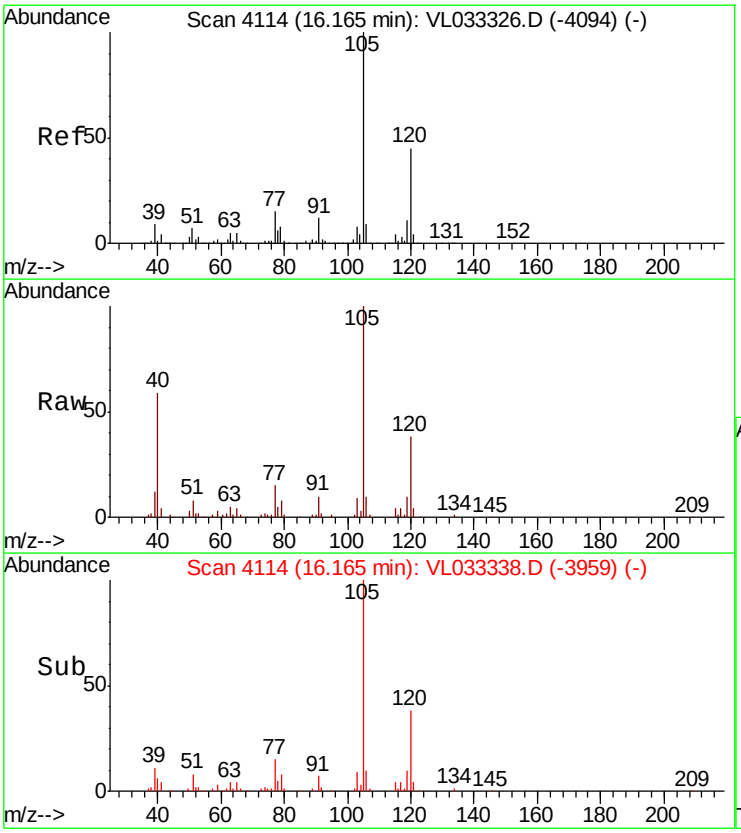
#72
4-Ethyltoluene
Concen: 0.351 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 87476

Ion	Ratio	Lower	Upper
105	100		
120	30.4	22.9	34.3
91	15.3	10.2	15.2#
77	15.2	11.1	16.7

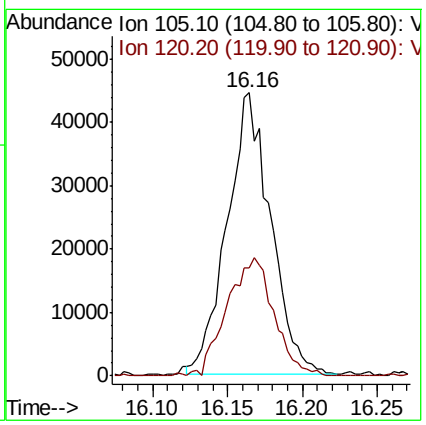


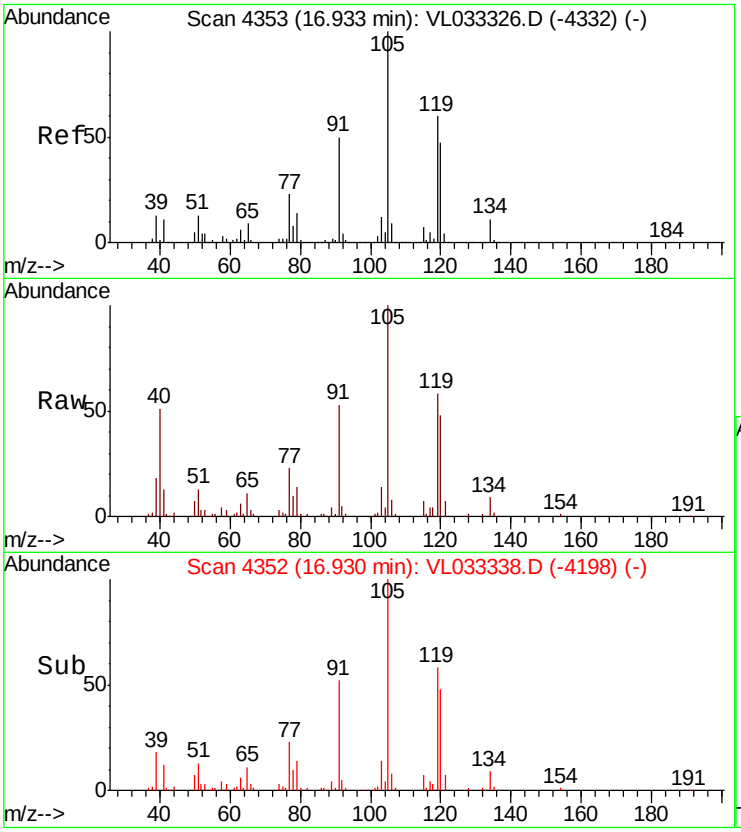


#73
1,3,5-Trimethylbenzene
Concen: 0.373 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:105 Resp: 90376

Ion	Ratio	Lower	Upper
105	100		
120	42.7	36.2	54.4



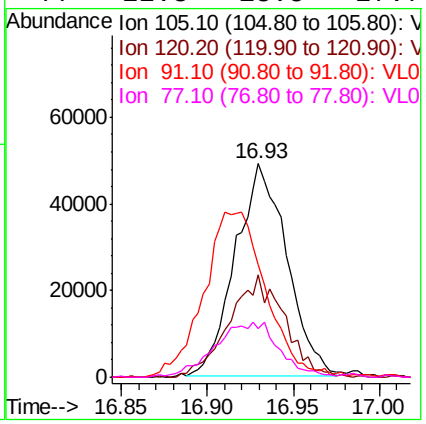


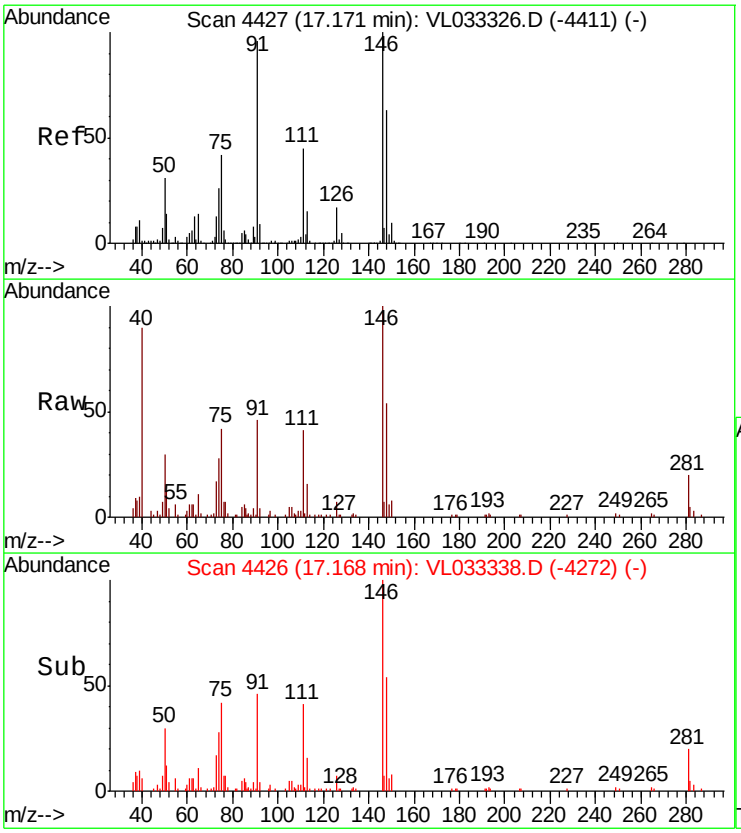
#74
1,2,4-Trimethylbenzene
Concen: 0.396 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 101750

Ion	Ratio	Lower	Upper
105	100		
120	47.4	37.4	56.2
91	51.1	41.0	61.4
77	22.3	18.5	27.7

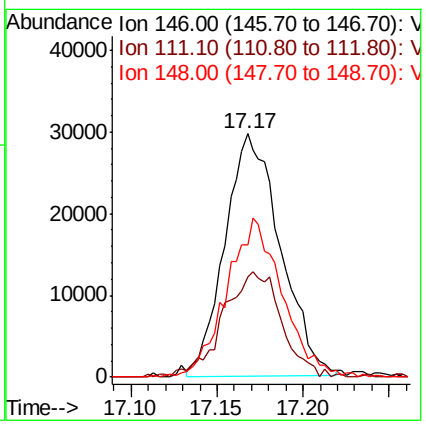


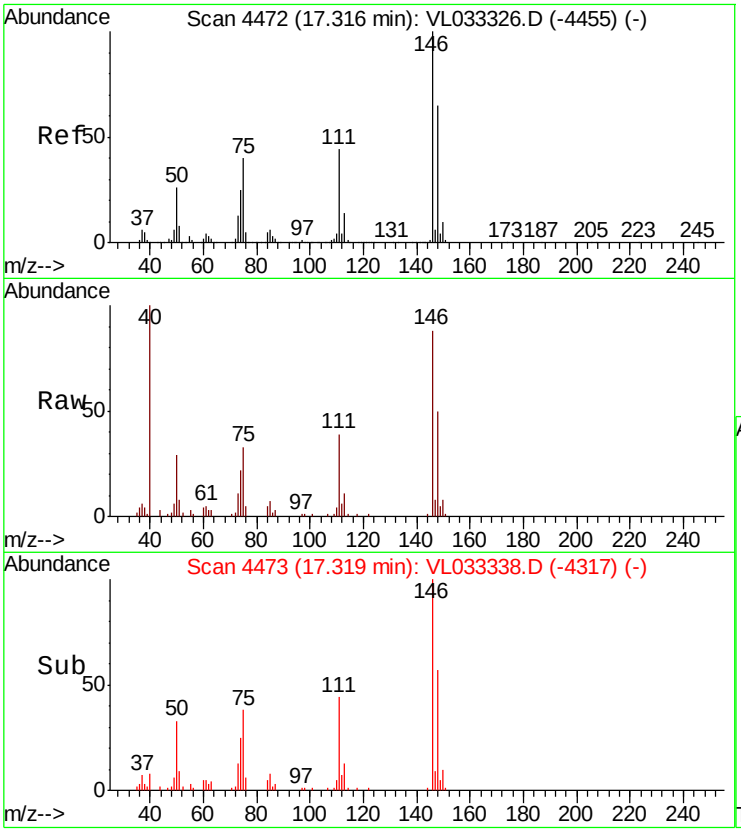


#75
1,3-Dichlorobenzene
Concen: 0.440 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:146 Resp: 66683

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.8	68.3
148	65.7	31.9	95.7



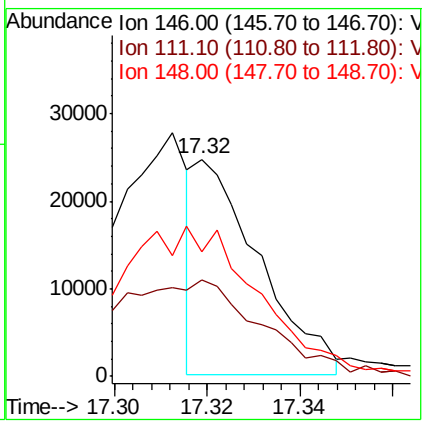


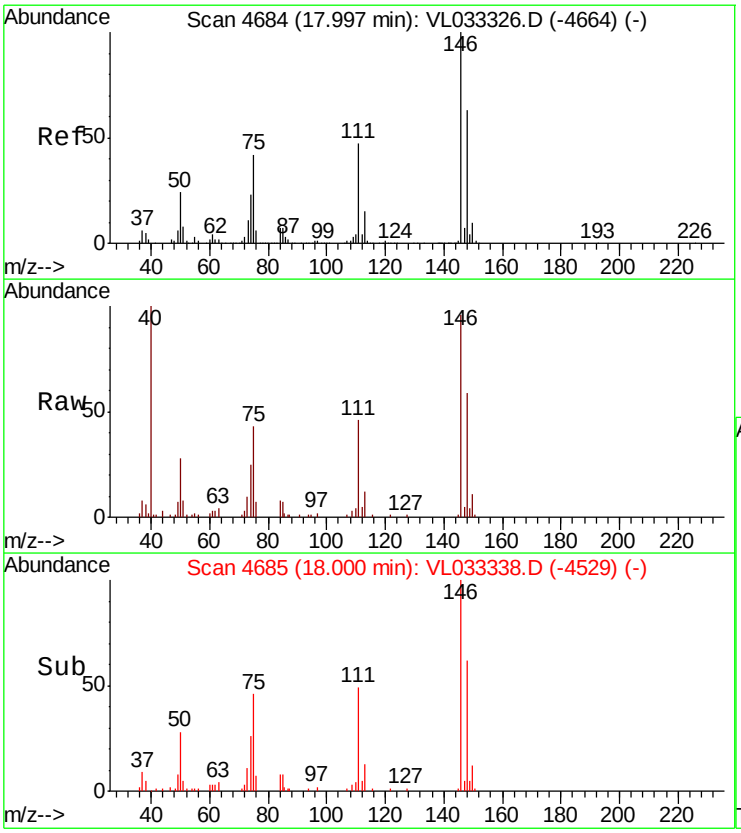
#76
1,4-Dichlorobenzene
Concen: 0.159 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 23313

Ion	Ratio	Lower	Upper
146	100		
111	116.9	21.9	65.7#
148	172.4	32.1	96.5#

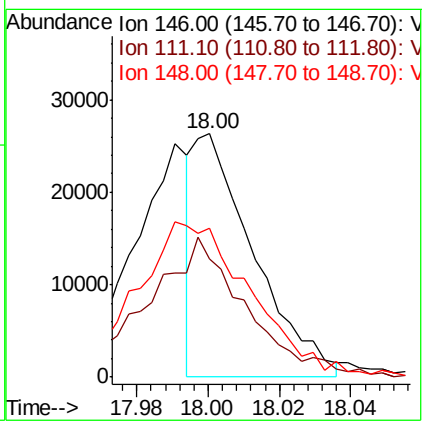


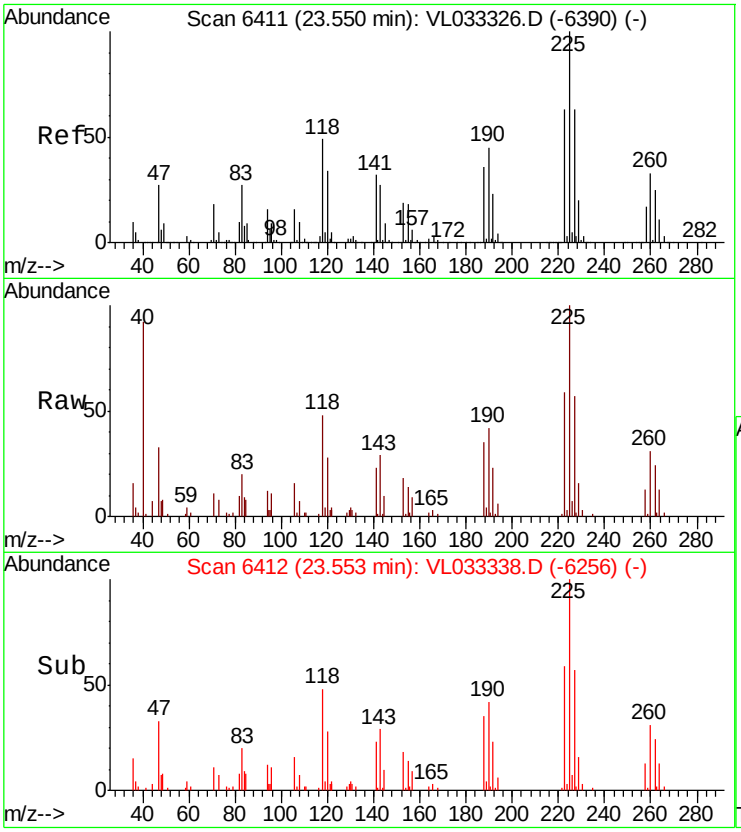


#77
1,2-Dichlorobenzene
Concen: 0.212 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:146 Resp: 30410

Ion	Ratio	Lower	Upper
146	100		
111	97.4	23.5	70.6#
148	0.0	31.9	95.9#



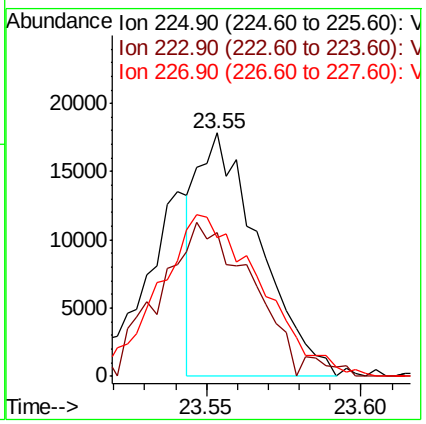


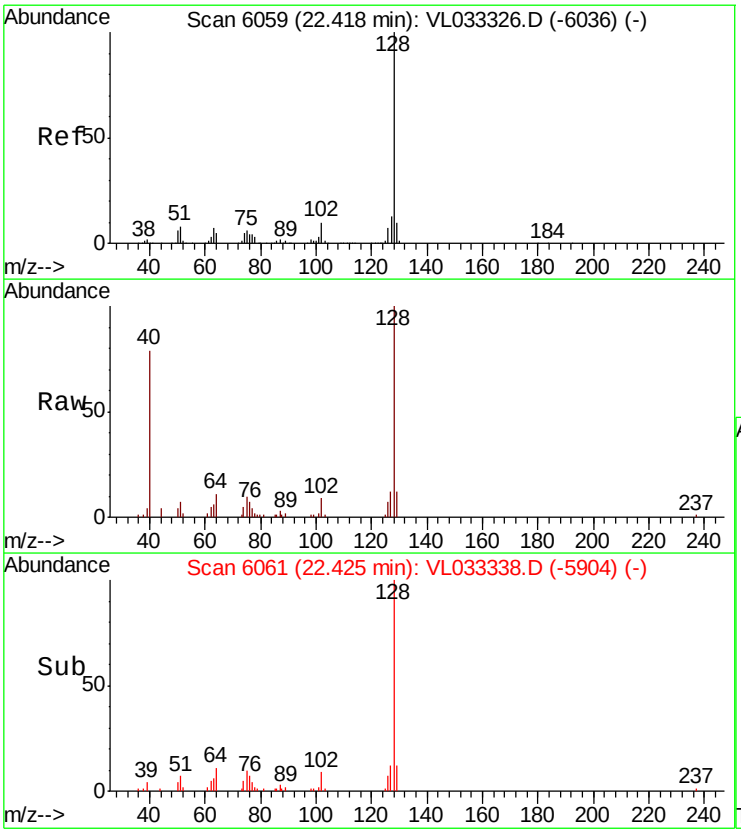
#78
Hexachloro-1,3-Butadiene
Concen: 0.292 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 25083

Ion	Ratio	Lower	Upper
225	100		
223	98.3	50.4	75.6#
227	109.8	50.5	75.7#

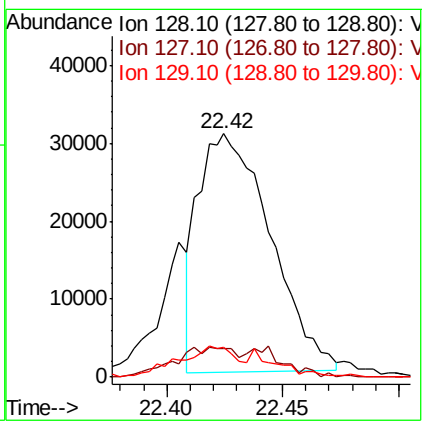


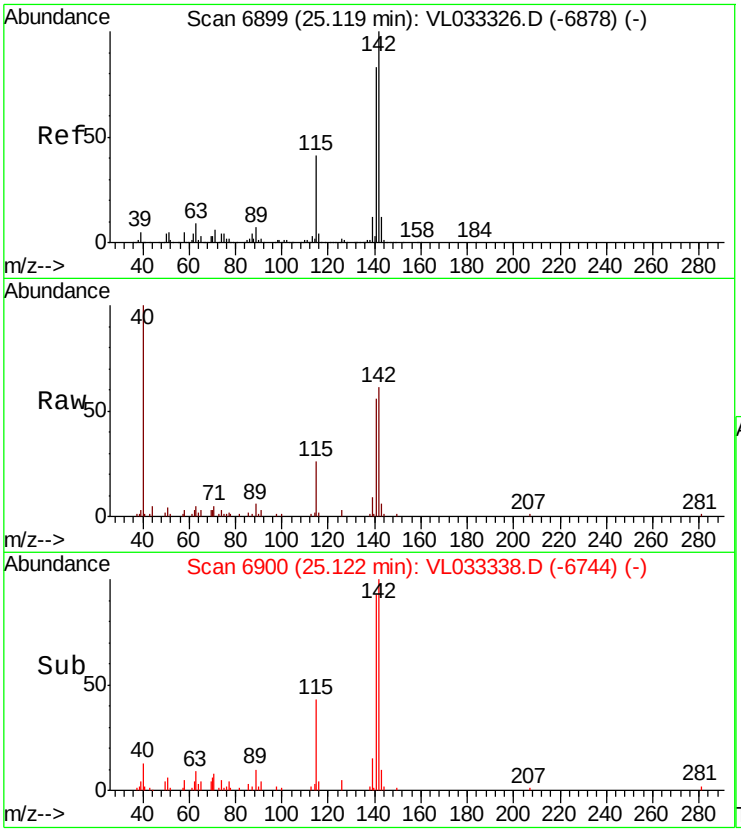


#79
Naphthalene
Concen: 0.267 ppbv
RT: 22.42 min Scan# 6061
Delta R.T. 0.01 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:128 Resp: 66024

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	12.2	8.2	12.2



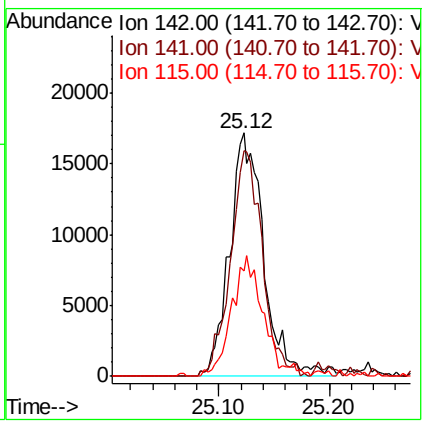


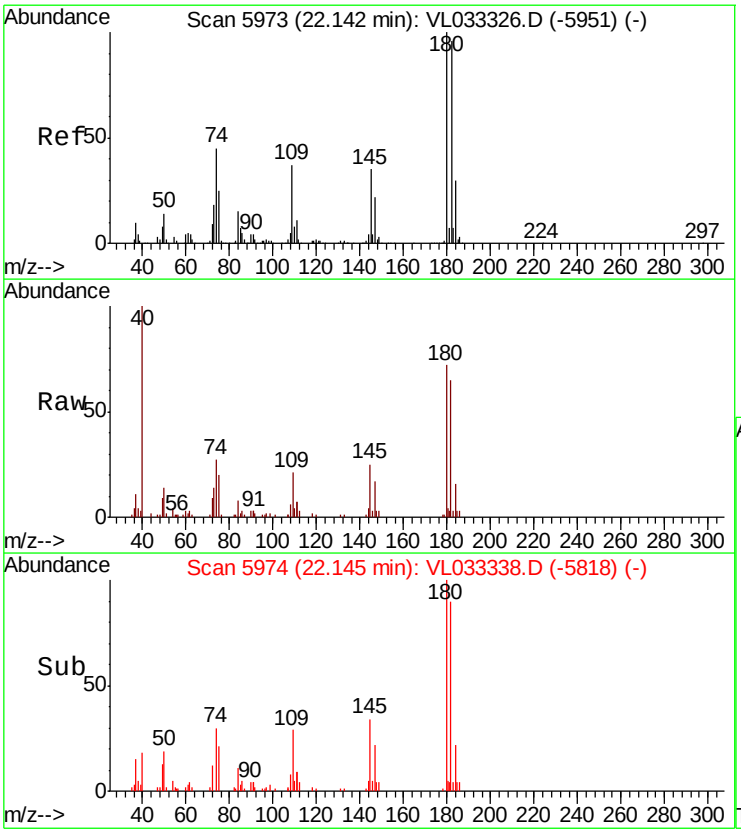
#80
Naphthalene,2-methyl-
Concen: 0.314 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 36883

Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.1	100.7
115	46.7	33.8	50.6





#81
1,2,4-Trichlorobenzene
Concen: 0.245 ppbv
RT: 22.14 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033338.D
Acq: 15 Mar 2019 19:40

Tgt Ion:180 Resp: 30898

Ion	Ratio	Lower	Upper
180	100		
182	152.3	76.1	114.1#
184	49.0	24.6	37.0#