Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033660.D
Acq On : 6 May 2019 14:51
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 15:18:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	960000	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2431301	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2622260	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2353522	11.24	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2137151	13.350	ppbv	100
3) Chlorodifluoromethane	3.01	51	1681271	14.528	ppbv	98
4) Chloromethane	3.17	50	980472	15.378	ppbv	99
5) Vinyl Chloride	3.29	62	953520	14.376	ppbv	100
6) Bromomethane	3.51	94	599100	15.198	ppbv	99
7) Chloroethane	3.60	64	353951	15.972	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	2550588	15.796	ppbv	100
9) Propene	3.04	41	740286	18.375	ppbv	99
10) Heptane	8.25	43	2019700	16.466	ppbv	99
11) Trichlorofluoromethane	4.00	101	2777381	15.590	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1882237	15.383	ppbv	100
13) Ethanol	3.65	45	174473	11.722	ppbv	99
14) Bromoethene	3.79	108	797954	16.096	ppbv	99
15) Acetone	3.90	43	1766574	14.618	ppbv	99
16) 1,3-Butadiene	3.36	39	872063	16.208	ppbv	99
17) tert-Butyl alcohol	4.35	59	1384517	13.623	ppbv	100
18) 1,1-Dichloroethene	4.35	96	812971	15.310	ppbv	98
19) Isopropyl Alcohol	4.02	45	1144129	14.176	ppbv	100
20) Methylene Chloride	4.41	84	700673	14.823	ppbv	98
21) Allyl Chloride	4.48	41	1234347	16.311	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	866575	16.529	ppbv	99
23) Vinyl Acetate	5.16	43	2828083	16.149	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1921931	14.673	ppbv	99
25) Ethyl Acetate	5.77	43	3282723	14.689	ppbv	100
26) Hexane	5.78	57	1453103	15.368	ppbv	100
27) Carbon Disulfide	4.62	76	2120928	18.063	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	2448228	15.410	ppbv	99
29) Chloroform	5.85	83	2475811	14.316	ppbv	100
30) Cyclohexane	7.25	84	1346166	16.793	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1520396	15.960	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	2641947	14.581	ppbv	99
34) 2-Butanone	5.33	43	2219631	14.758	ppbv	99
35) Carbon Tetrachloride	7.14	117	2928165	15.005	ppbv	99
36) Benzene	7.01	78	3163845	15.028	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1974459	14.129	ppbv	100
38) Trichloroethene	7.96	130	1317188	15.750	ppbv	98
39) 1,2-Dichloropropane	7.74	63	1192697	15.114	ppbv	98
40) 1,4-Dioxane	7.95	88	483525	15.259	ppbv	97
41) Tetrahydrofuran	6.15	42	1249868	15.484	ppbv	99
42) Bromodichloromethane	7.92	83	2904790	15.338	ppbv	98
43) Methyl Methacrylate	8.14	69	1317589	16.598	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033660.D
Acq On : 6 May 2019 14:51
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 15:18:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	5416655	14.807	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1882995	18.383	ppbv		97
46) cis-1,3-Dichloropropene	8.84	75	2038071	17.192	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1376298	14.750	ppbv		98
48) Dibromochloromethane	10.45	129	2576074	16.438	ppbv		100
49) Bromoform	13.21	173	2308958	17.174	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	3543659	15.024	ppbv		100
51) 2-Hexanone	10.27	43	3034634	16.387	ppbv	#	99
52) Tetrachloroethene	11.38	164	1249479	15.669	ppbv		96
53) Toluene	9.95	91	3864664	16.268	ppbv		99
54) 1,2-Dibromoethane	10.76	107	2203326	15.804	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1682666	14.654	ppbv	#	76
57) Chlorobenzene	12.30	112	2936333	14.355	ppbv		98
58) Ethyl Benzene	12.87	91	5314504	16.144	ppbv		98
59) m/p-Xylene	13.15	91	4744562	16.743	ppbv	#	38
60) o-Xylene	13.85	91	4473593	15.672	ppbv		99
61) Styrene	13.69	104	3418573	17.459	ppbv		100
62) Isopropylbenzene	14.83	105	6796447	17.868	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	3098413	14.343	ppbv		100
64) n-propylbenzene	15.72	120	1794725	18.141	ppbv		97
65) tert-Butylbenzene	16.91	119	6106176	17.150	ppbv		99
66) Benzyl Chloride	17.16	91	3305481	20.134	ppbv		100
67) sec-Butylbenzene	17.46	105	8044927	16.114	ppbv		99
69) p-Isopropyltoluene	17.82	119	6860643	16.513	ppbv		100
70) n-Butylbenzene	18.71	91	6896167	15.228	ppbv		99
71) 2-Chlorotoluene	15.62	91	5177579	18.136	ppbv		99
72) 4-Ethyltoluene	16.00	105	6094442	18.654	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	5749815	17.962	ppbv		98
74) 1,2,4-Trimethylbenzene	16.93	105	5872611	16.542	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	3298805	14.976	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	3306939	15.741	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	3218370	15.692	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	2843621	18.171	ppbv		99
79) Naphthalene	22.41	128	6241473	18.838	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	3054839	21.727	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	3345553	17.524	ppbv		99

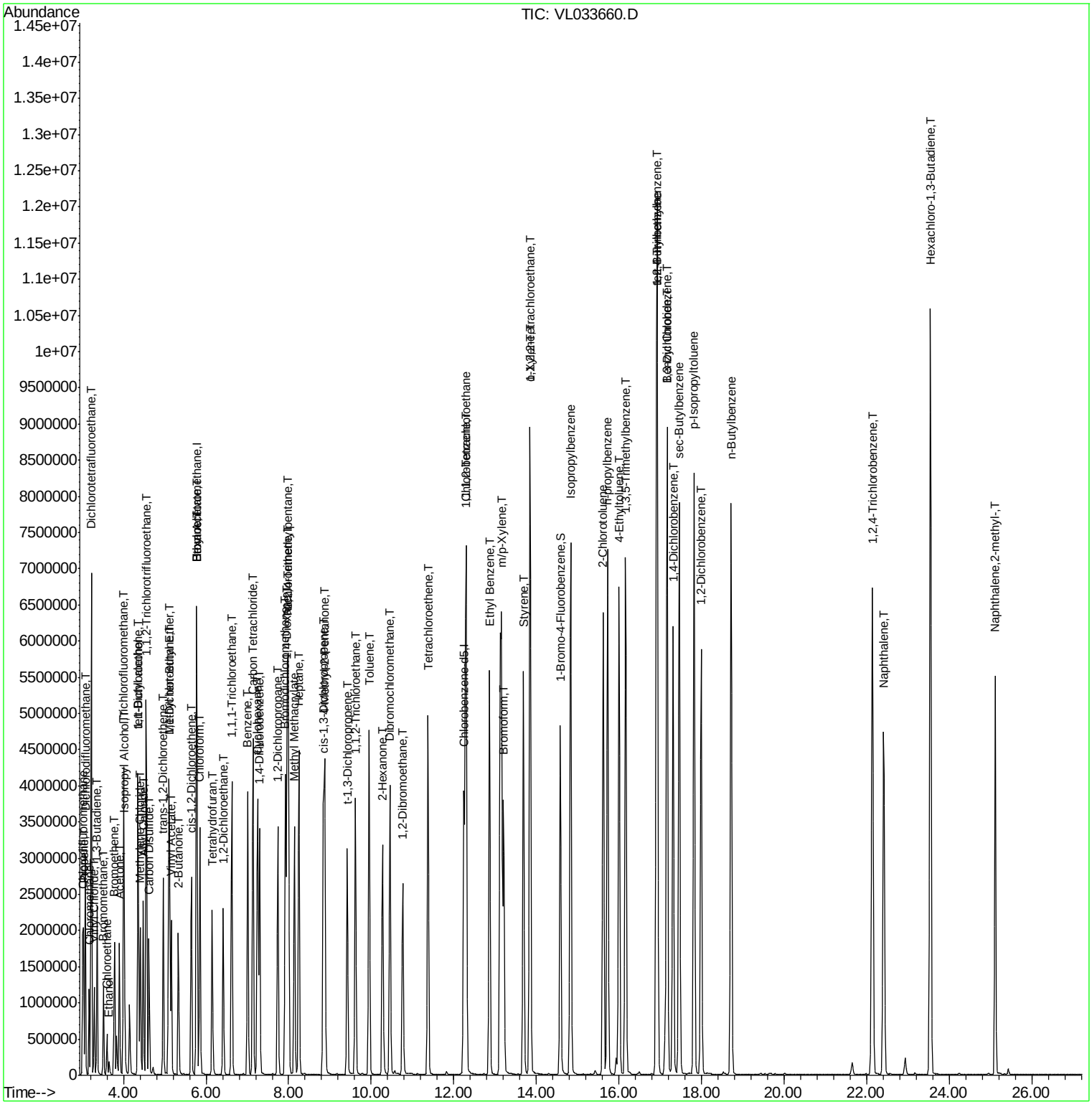
(#) = qualifier out of range (m) = manual integration (+) = signals summed

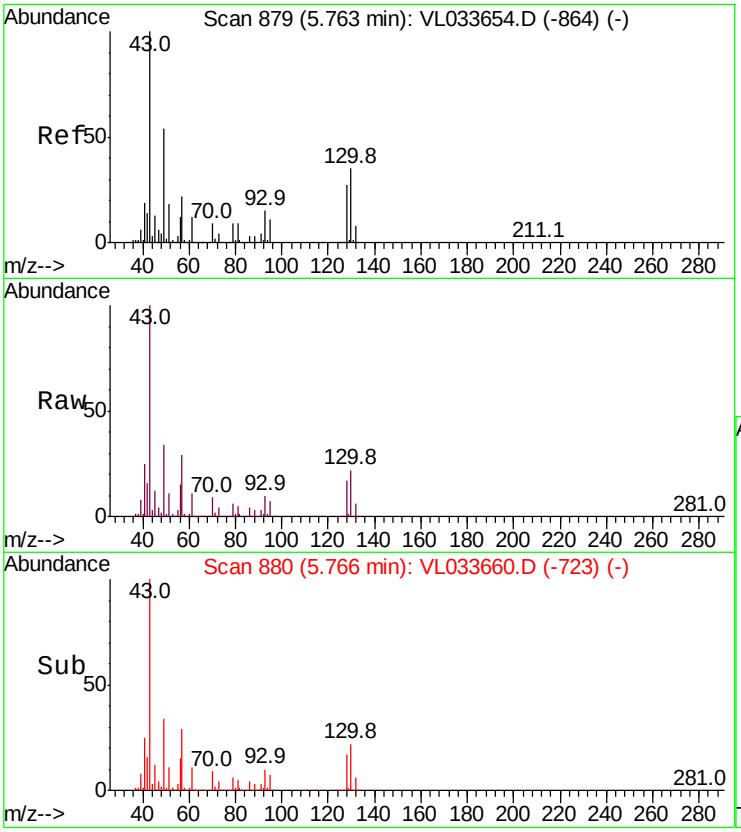
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033660.D
Acq On : 6 May 2019 14:51
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 06 15:18:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 12:00:34 2019
QLast Update : Mon May 06 12:00:34 2019
Response via : Initial Calibration



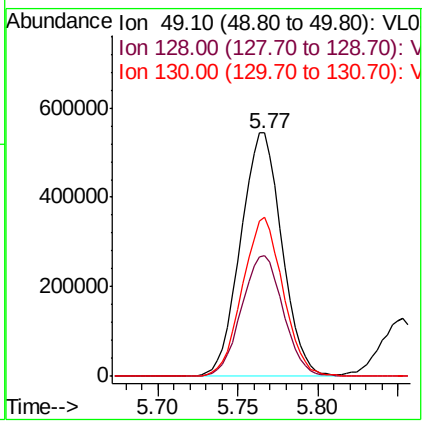


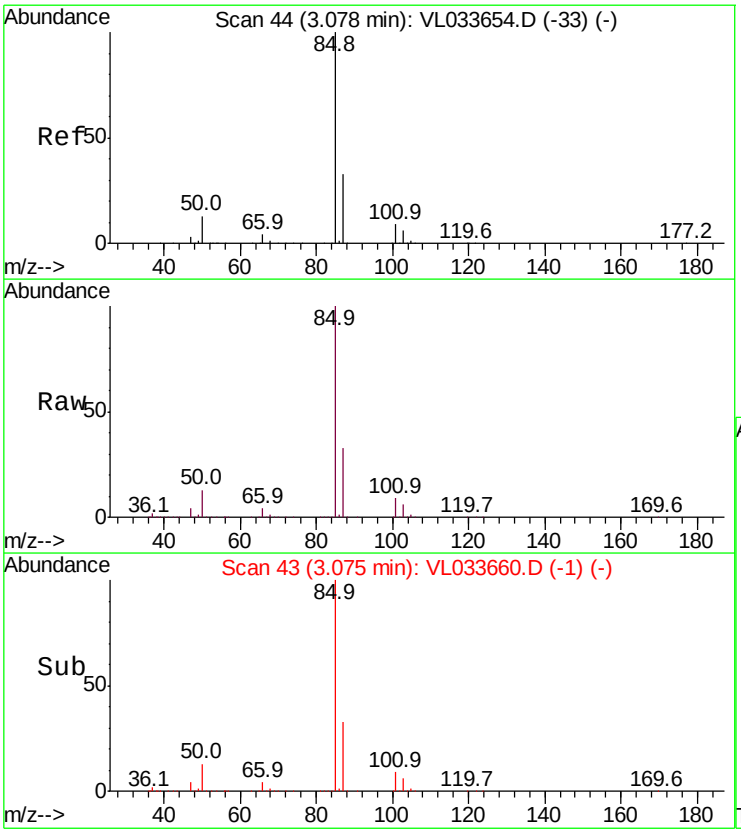
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 960000

Ion	Ratio	Lower	Upper
49	100		
128	50.2	24.8	74.4
130	64.6	32.1	96.5

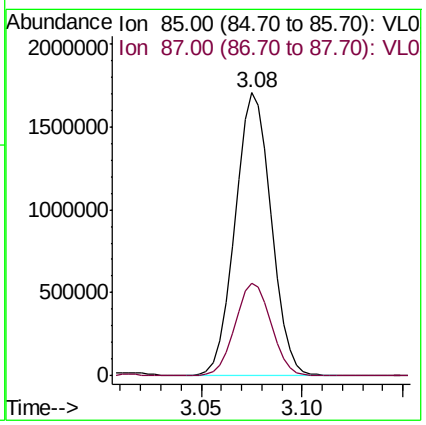


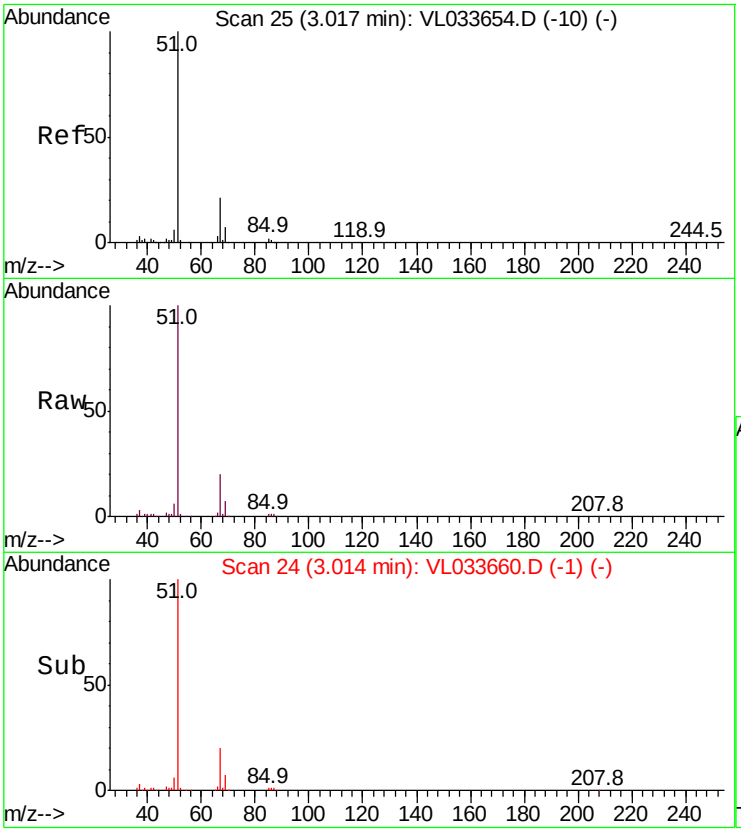


#2
Dichlorodifluoromethane
Concen: 13.350 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 85 Resp: 2137151

Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.0	39.0



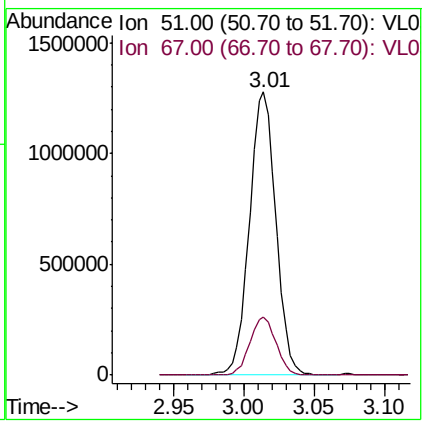


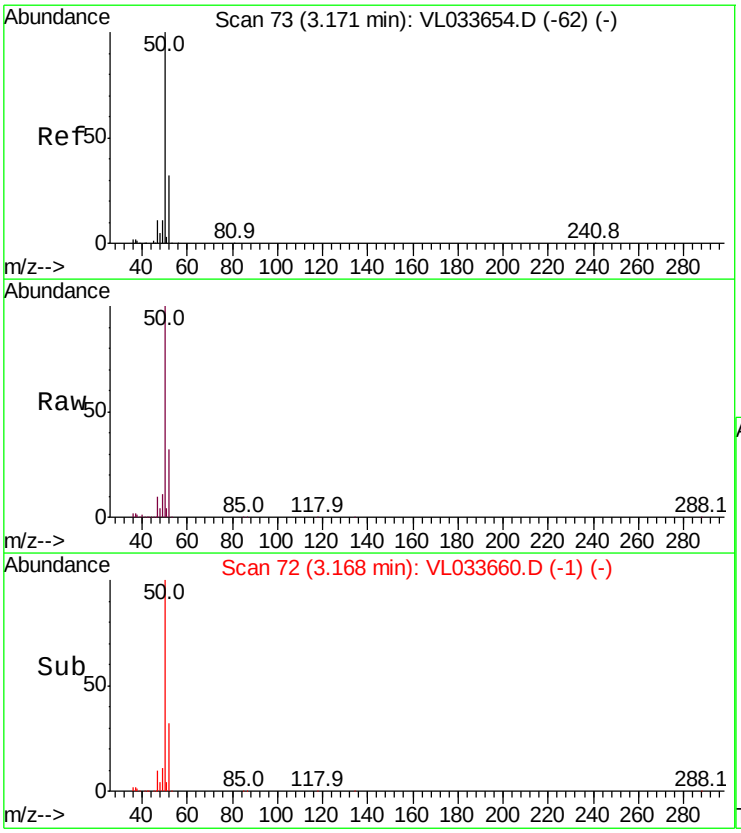
#3
Chlorodifluoromethane
Concen: 14.528 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1681271

Ion	Ratio	Lower	Upper
51	100		
67	20.4	15.7	23.5

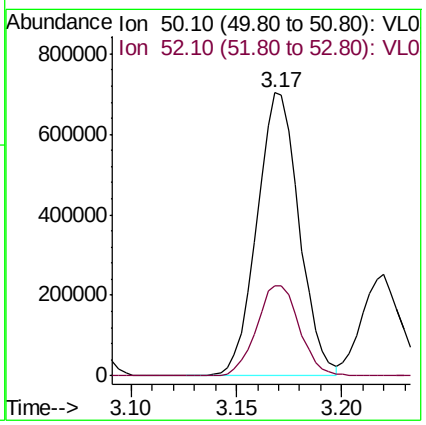


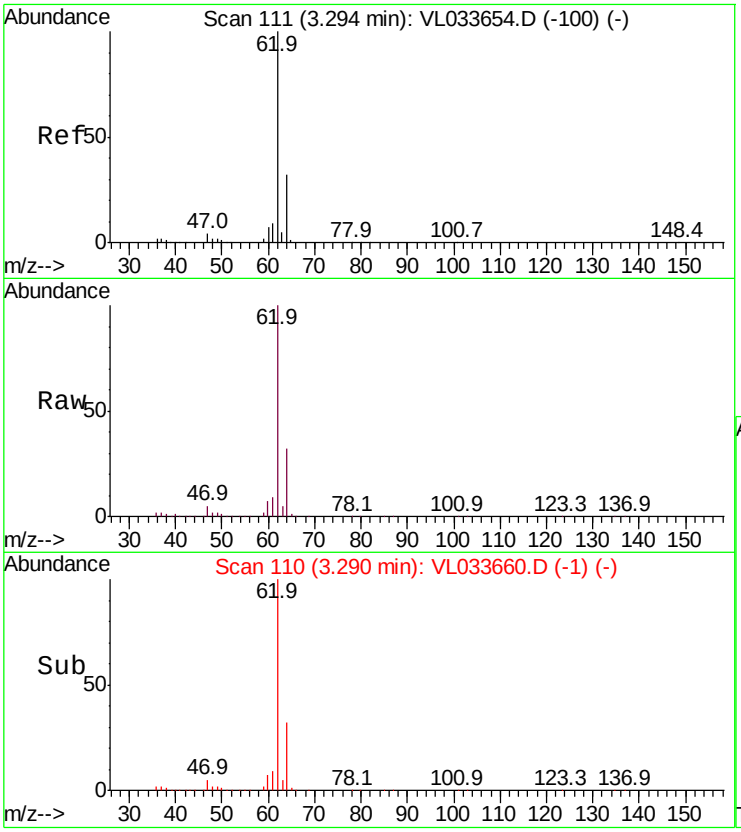


#4
Chloromethane
Concen: 15.378 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 50 Resp: 980472

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.8	38.8



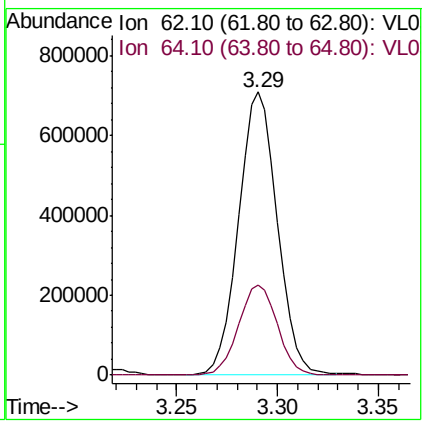


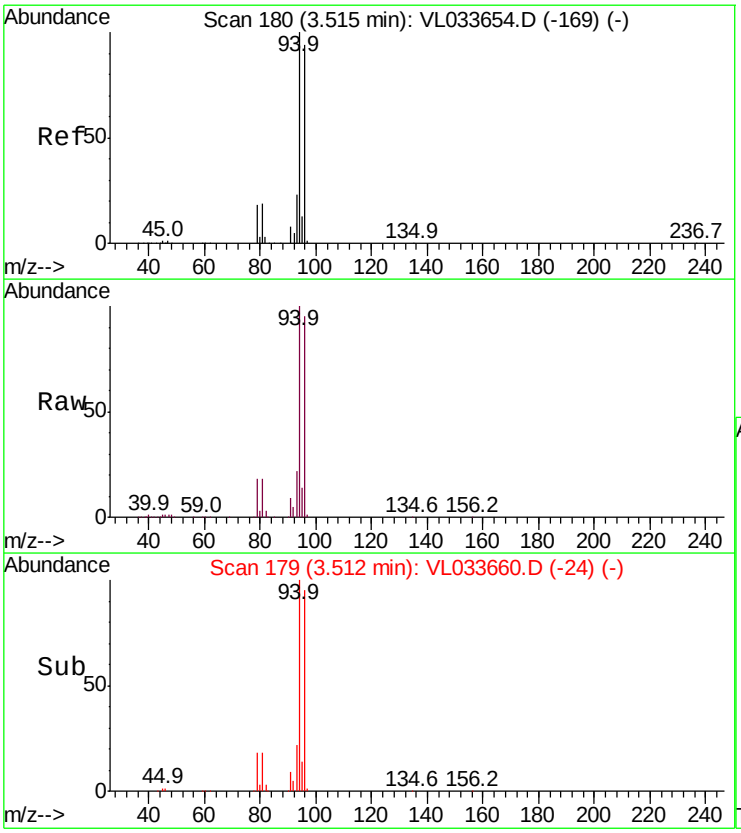
#5
Vinyl Chloride
Concen: 14.376 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 953520

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.6	38.4

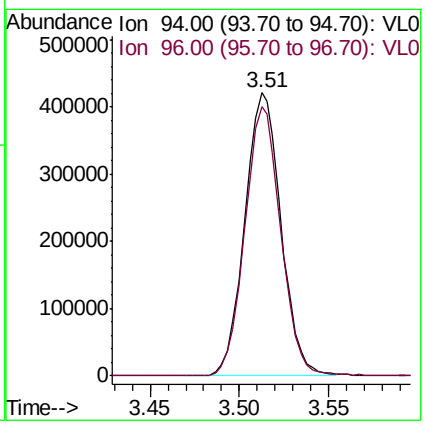


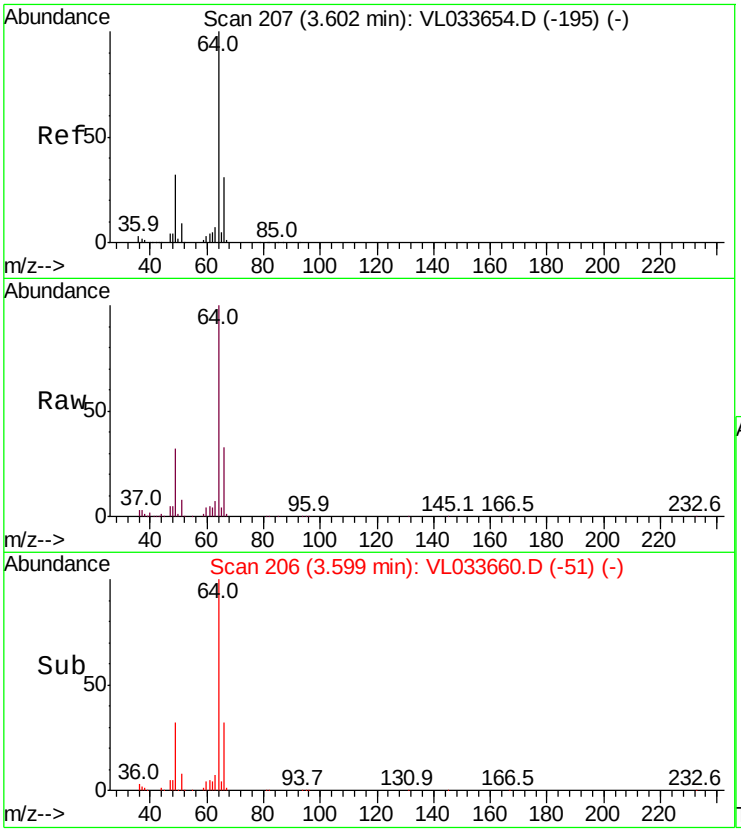


#6
Bromomethane
Concen: 15.198 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 94 Resp: 599100

Ion	Ratio	Lower	Upper
94	100		
96	95.3	75.2	112.8



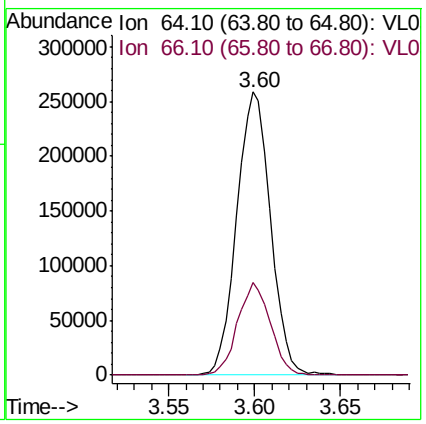


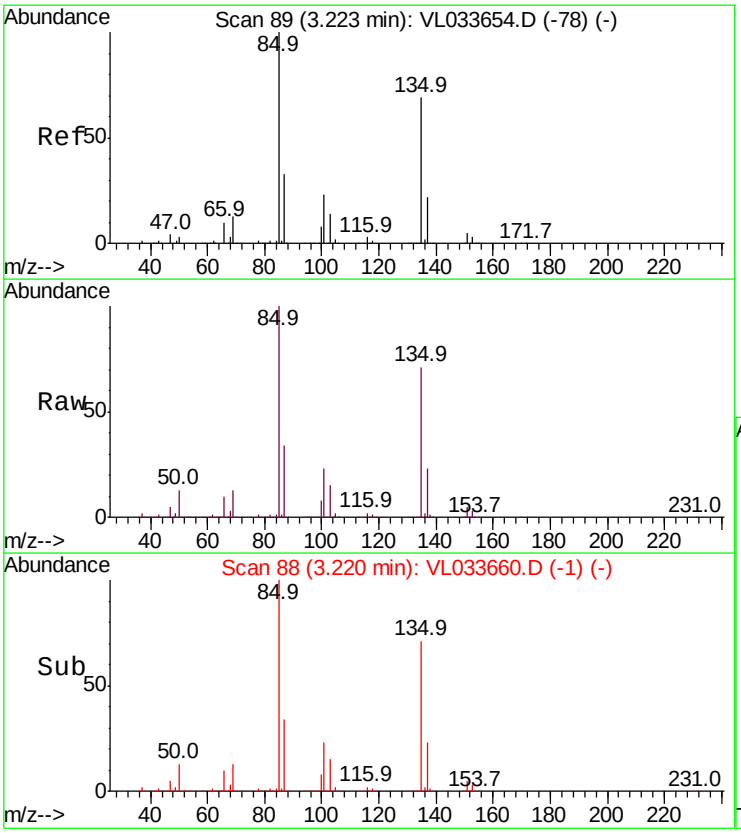
#7
Chloroethane
Concen: 15.972 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 353951

Ion	Ratio	Lower	Upper
64	100		
66	32.7	25.1	37.7

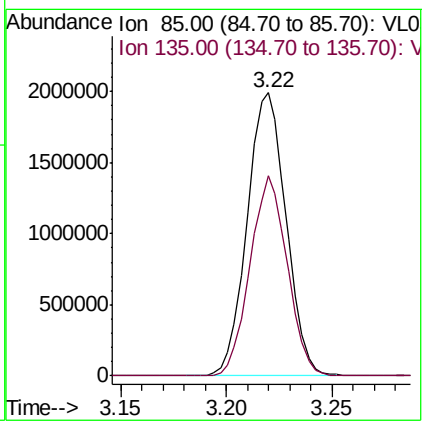


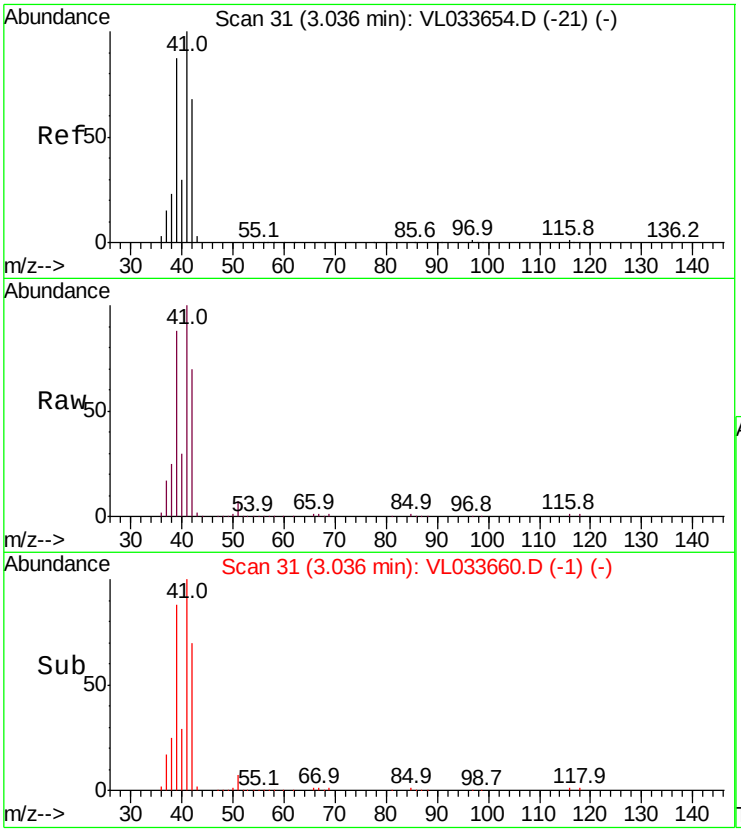


#8
Dichlorotetrafluoroethane
Concen: 15.796 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 85 Resp: 2550588

Ion	Ratio	Lower	Upper
85	100		
135	67.9	54.3	81.5

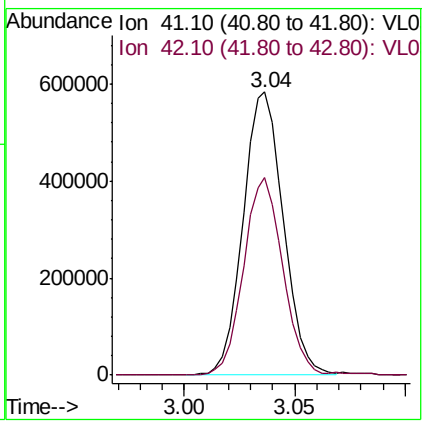




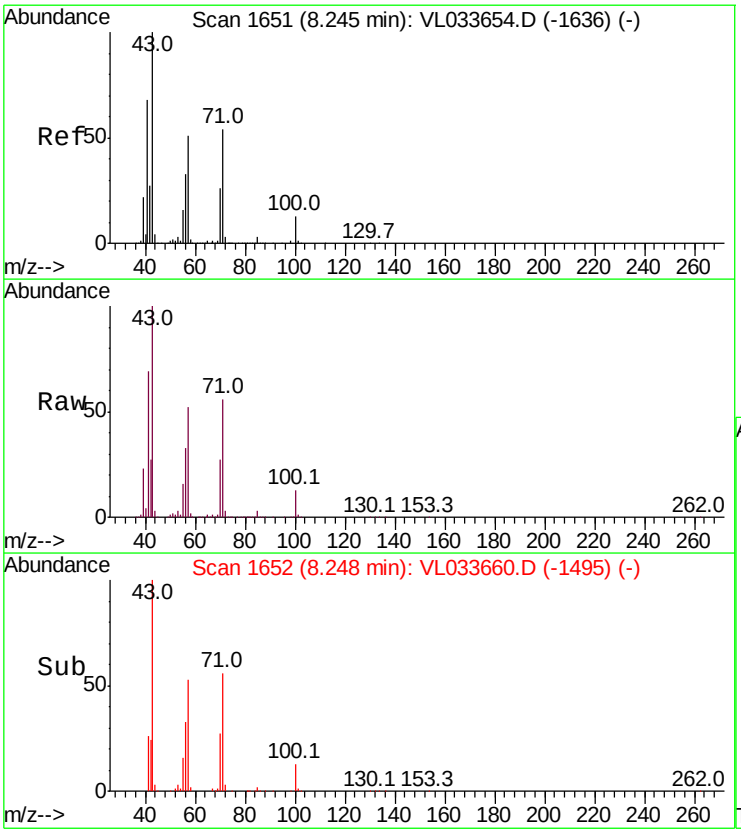
#9
Propene
Concen: 18.375 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 41 Resp: 740286

Ion	Ratio	Lower	Upper
41	100		
42	69.0	55.6	83.4



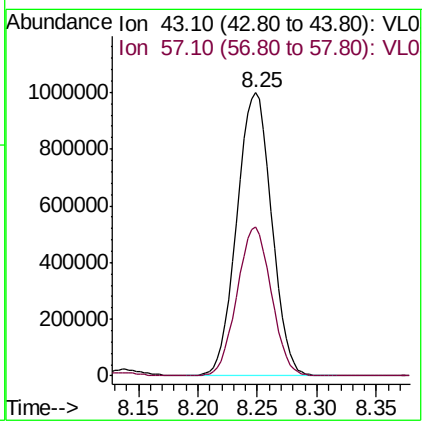
Instrument :
MSVOA_L
ClientSampleId :

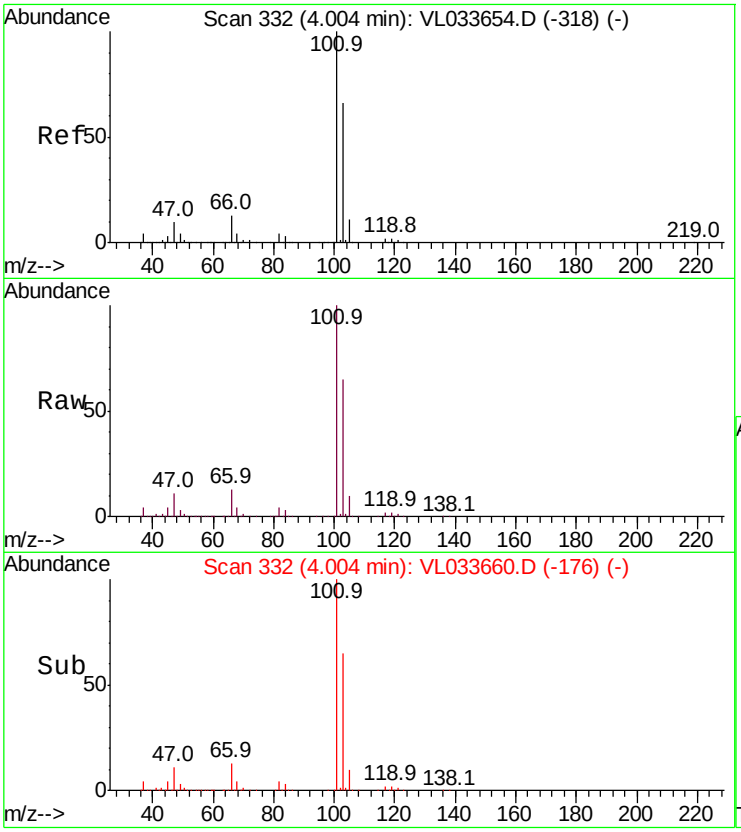


#10
Heptane
Concen: 16.466 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 43 Resp: 2019700

Ion	Ratio	Lower	Upper
43	100		
57	51.7	41.8	62.6



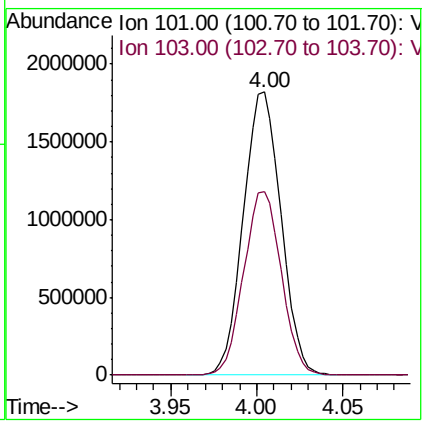


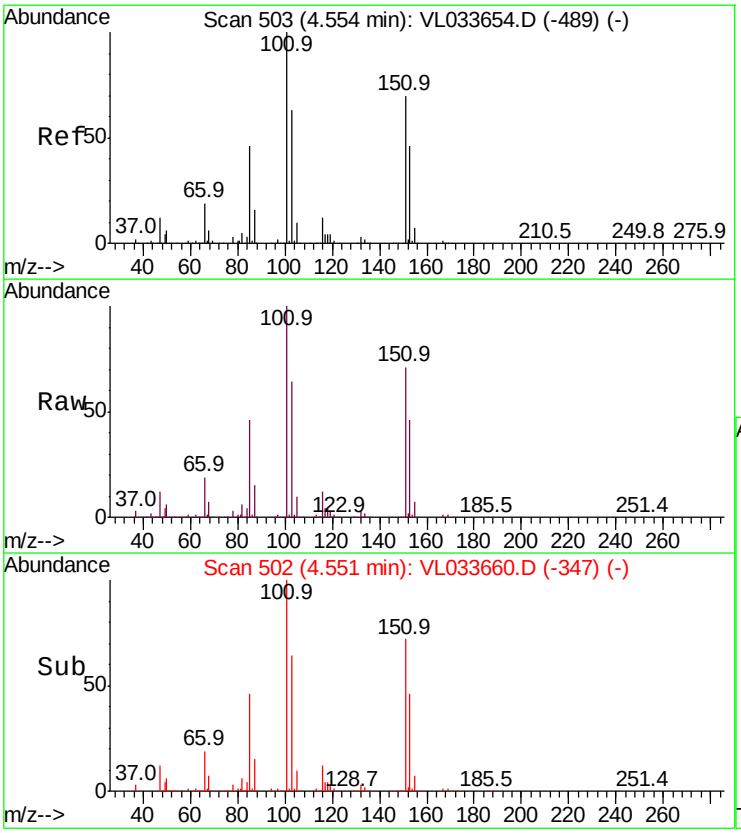
#11
Trichlorofluoromethane
Concen: 15.590 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 2777381

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.7	79.1

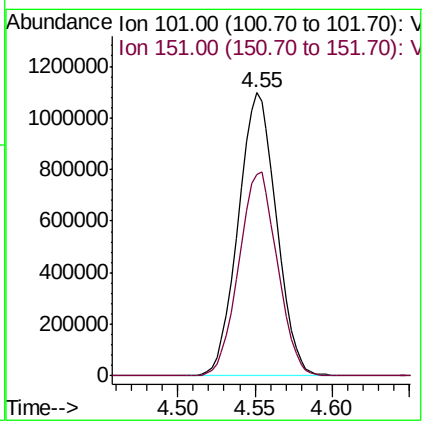


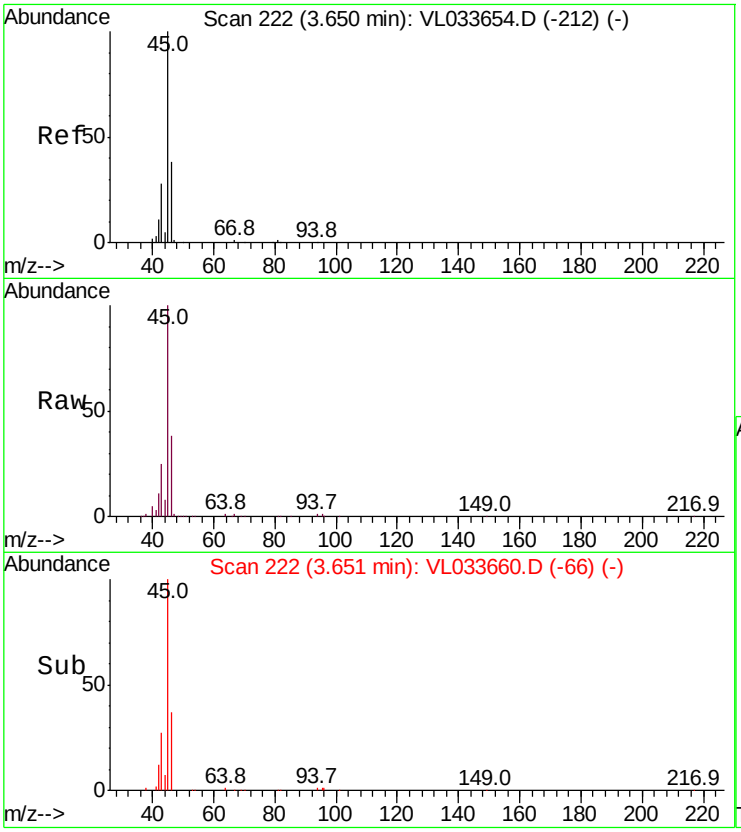


#12
1,1,2-Trichlorotrifluoroethane
Concen: 15.383 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:101 Resp: 1882237

Ion	Ratio	Lower	Upper
101	100		
151	72.9	58.0	87.0



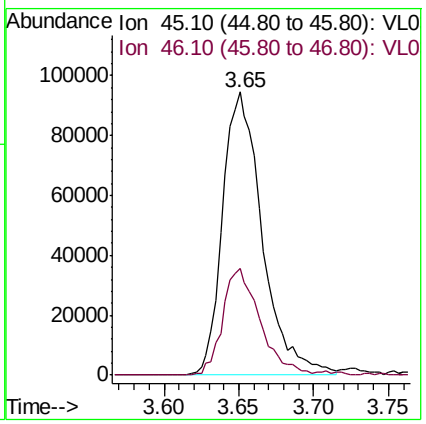


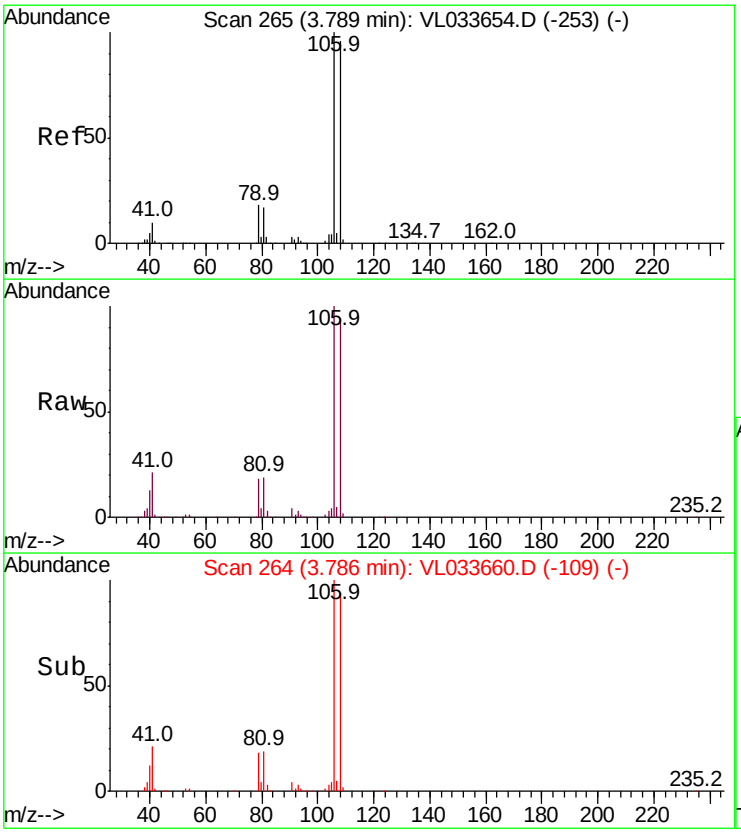
#13
Ethanol
Concen: 11.722 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 174473

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.9	59.7

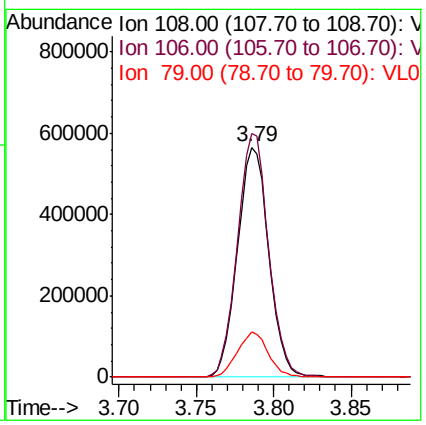


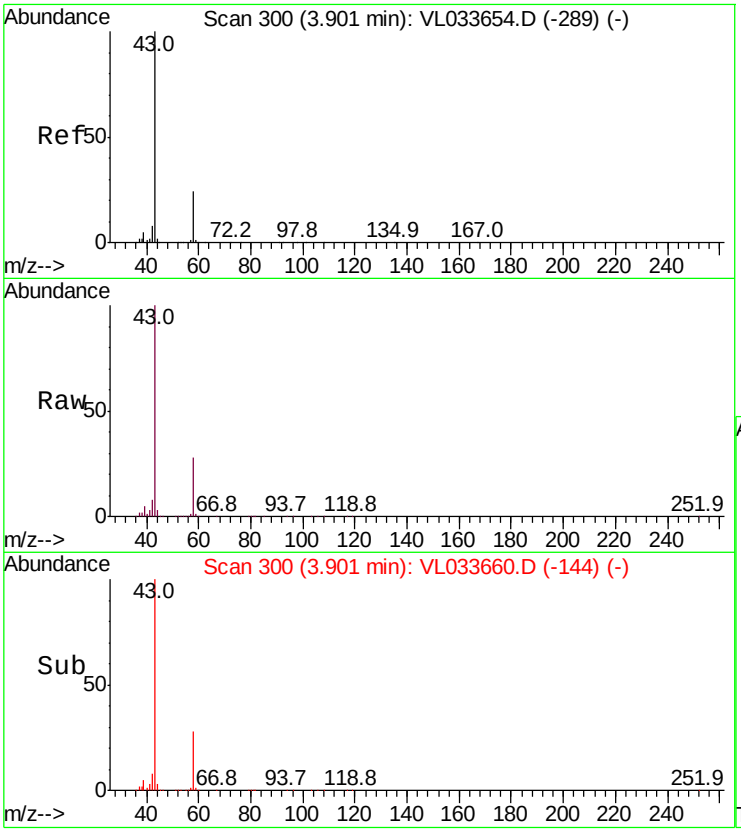


#14
Bromoethene
Concen: 16.096 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:108 Resp: 797954

Ion	Ratio	Lower	Upper
108	100		
106	105.6	85.8	128.6
79	19.5	15.2	22.8



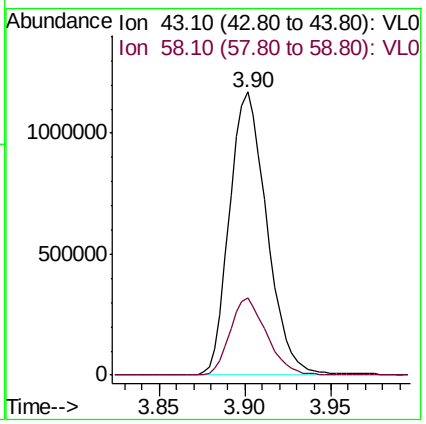


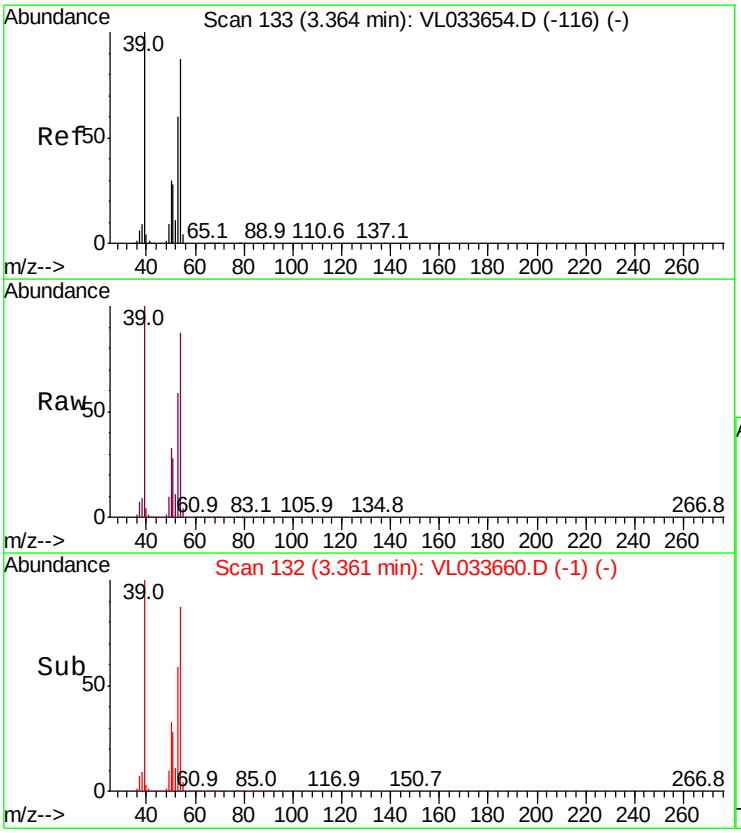
#15
Acetone
Concen: 14.618 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1766574

Ion	Ratio	Lower	Upper
43	100		
58	26.9	20.9	31.3

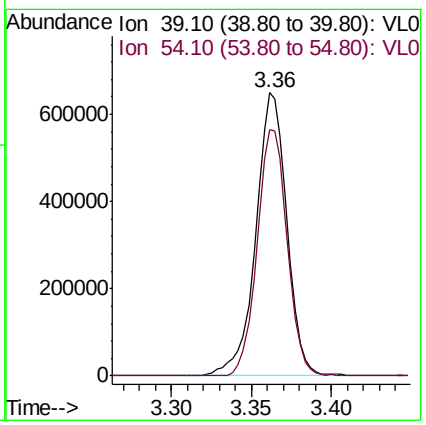


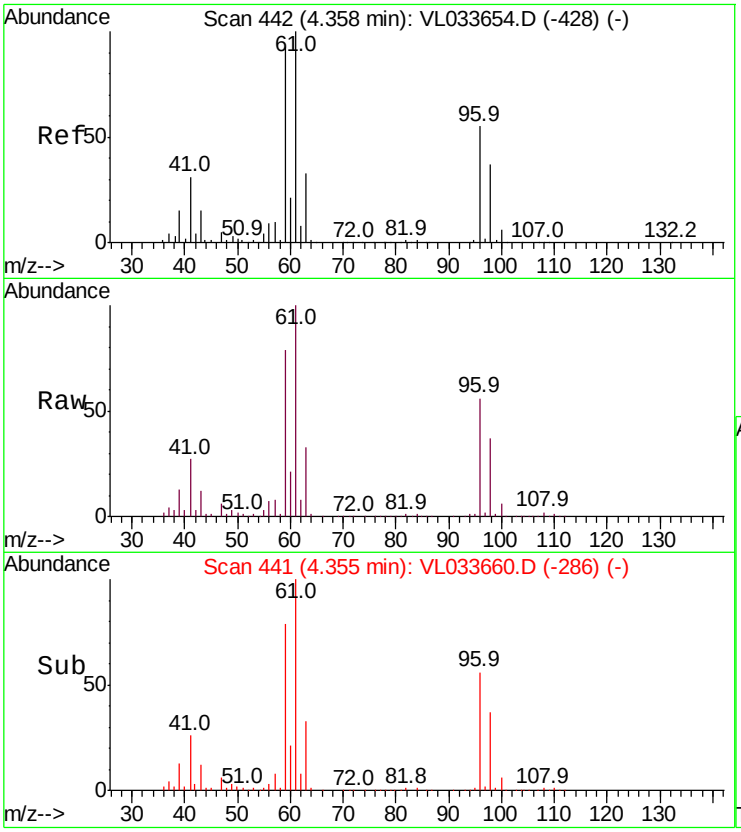


#16
1,3-Butadiene
Concen: 16.208 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 39 Resp: 872063

Ion	Ratio	Lower	Upper
39	100		
54	84.5	67.0	100.4



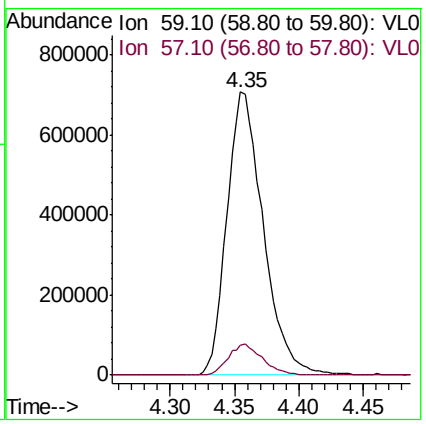


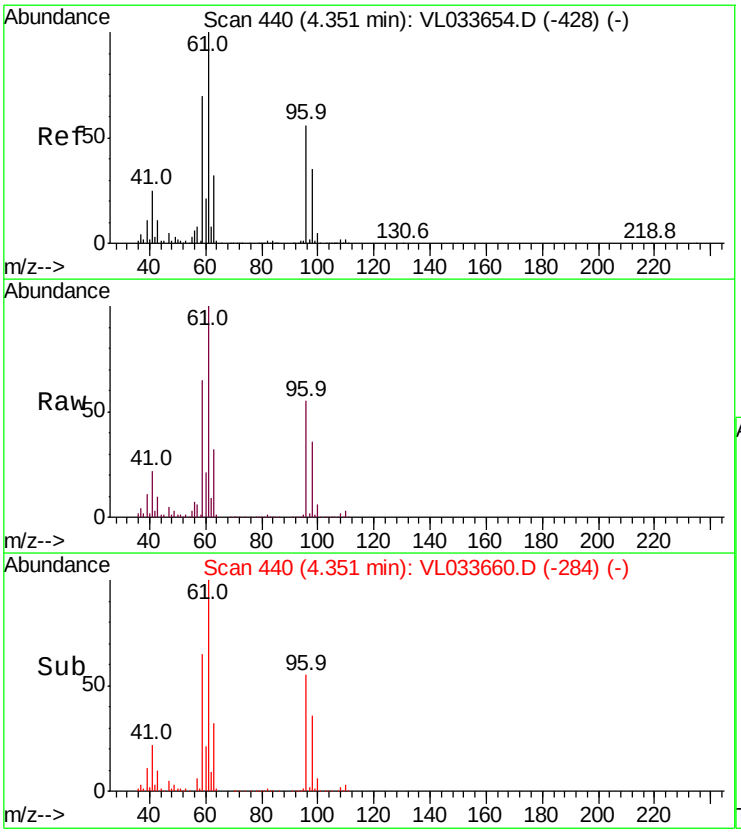
#17
tert-Butyl alcohol
Concen: 13.623 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1384517

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

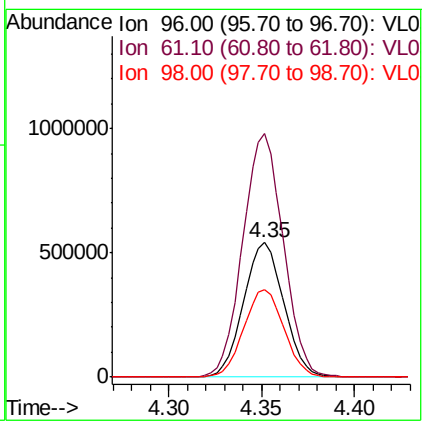


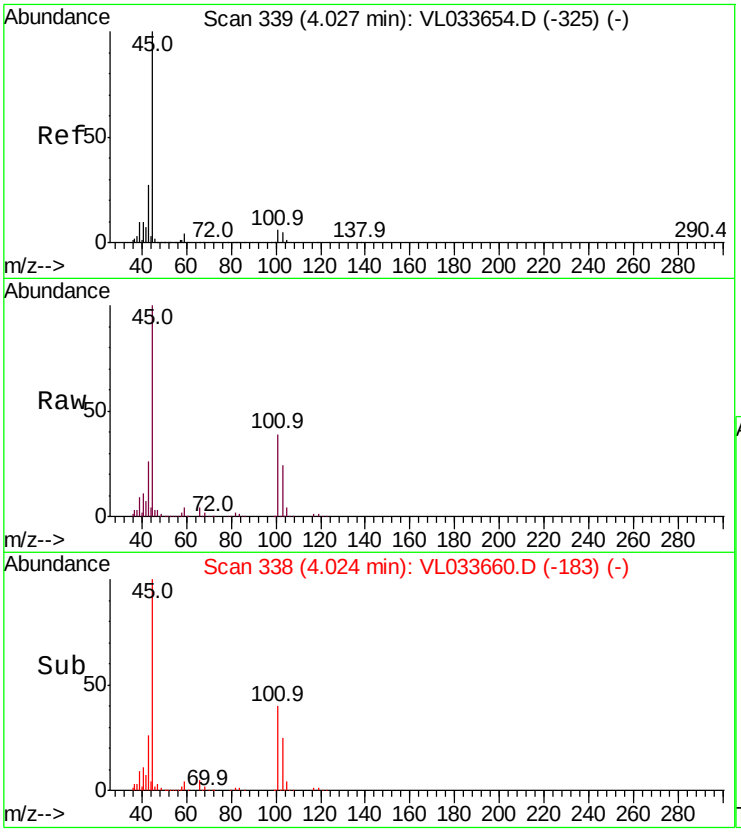


#18
1,1-Dichloroethene
Concen: 15.310 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 96 Resp: 812971

Ion	Ratio	Lower	Upper
96	100		
61	180.9	143.4	215.0
98	65.1	50.4	75.6



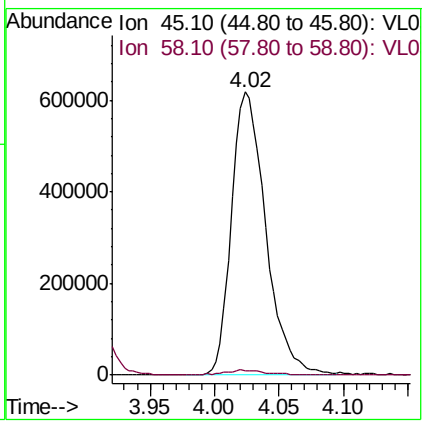


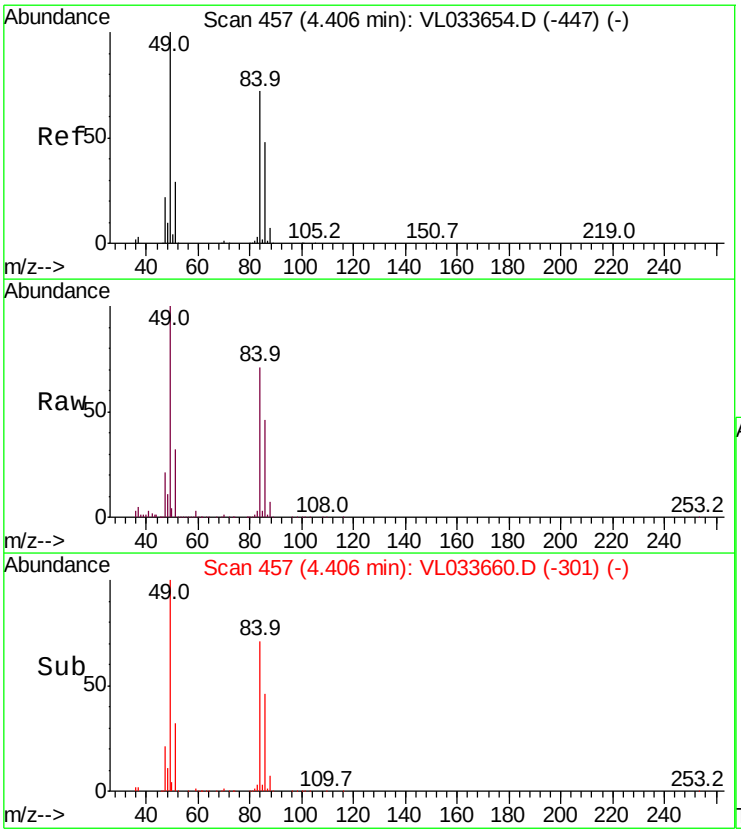
#19
Isopropyl Alcohol
Concen: 14.176 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 1144129

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.9	2.9

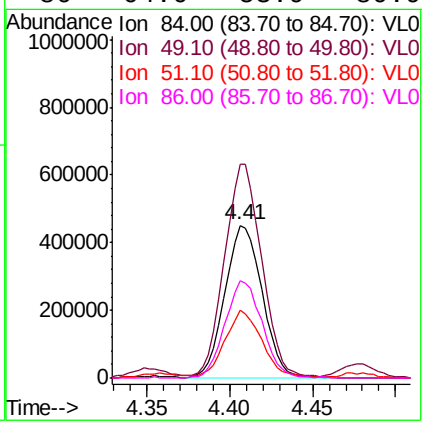


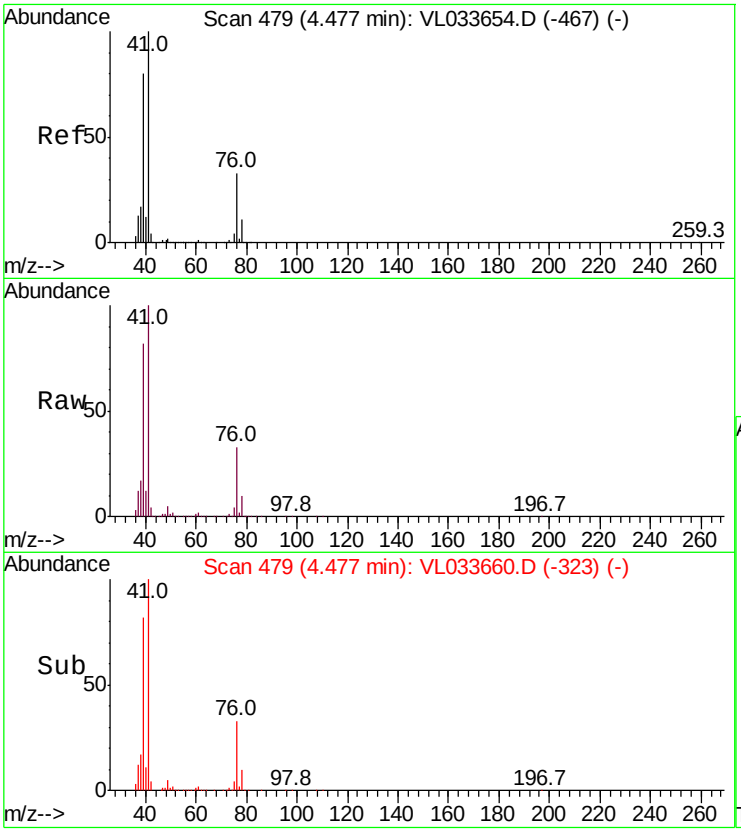


#20
Methylene Chloride
Concen: 14.823 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 84 Resp: 700673

Ion	Ratio	Lower	Upper
84	100		
49	139.1	111.8	167.6
51	43.7	32.3	48.5
86	64.0	53.9	80.9



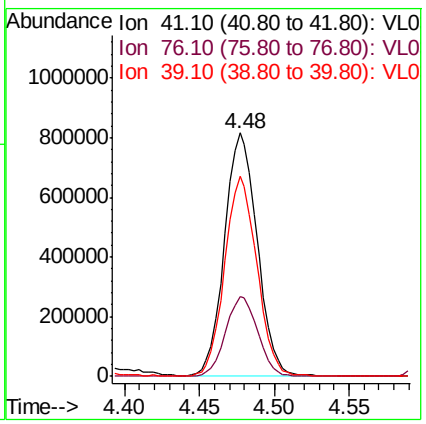


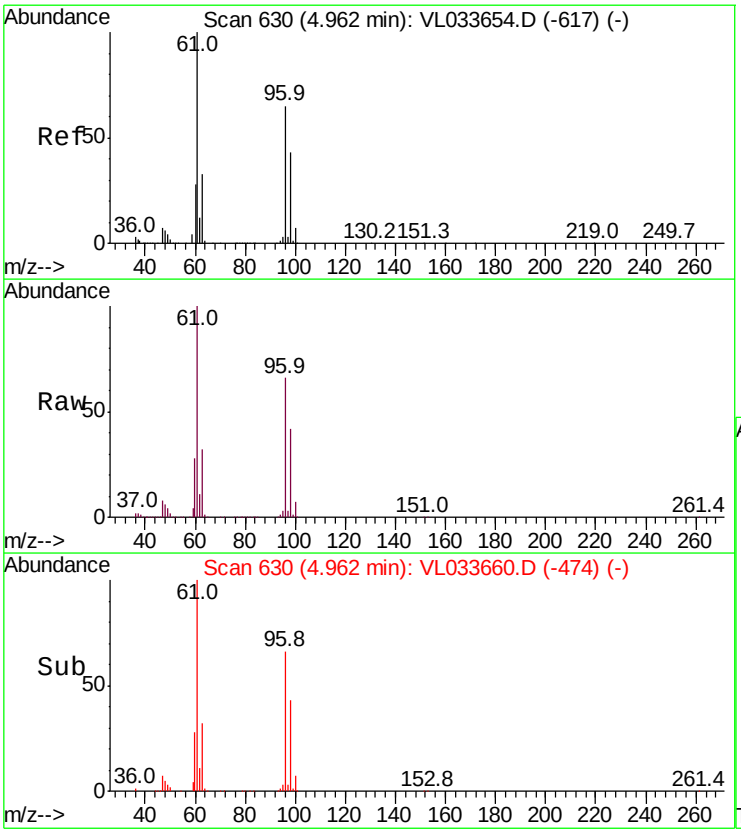
#21
Allyl Chloride
Concen: 16.311 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1234347

Ion	Ratio	Lower	Upper
41	100		
76	32.4	26.0	39.0
39	81.4	64.4	96.6

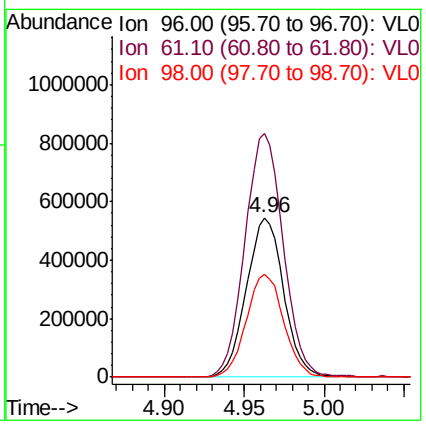


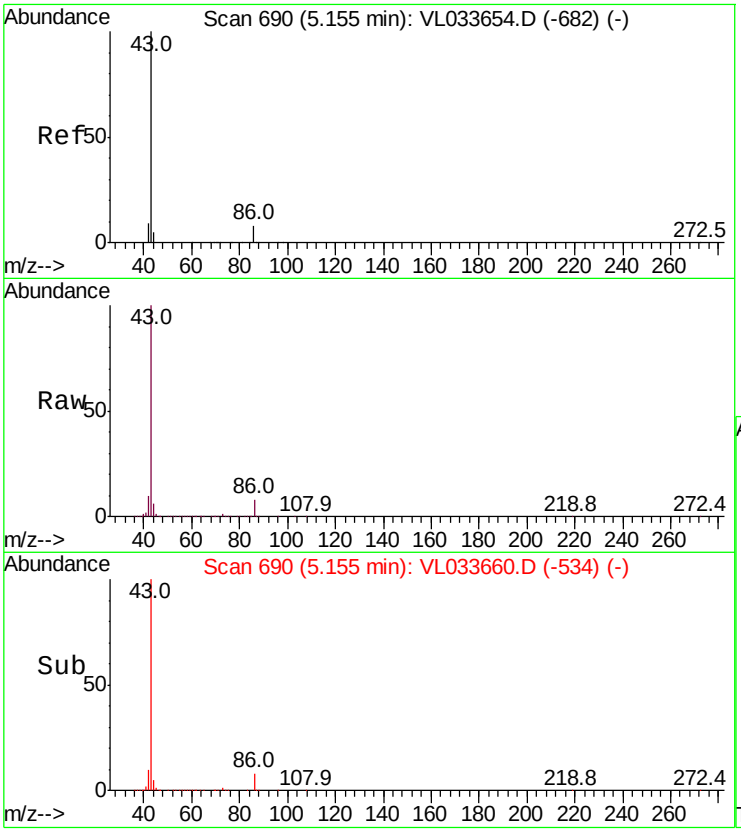


#22
trans-1,2-Dichloroethene
Concen: 16.529 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 96 Resp: 866575

Ion	Ratio	Lower	Upper
96	100		
61	152.5	123.1	184.7
98	64.8	52.6	79.0



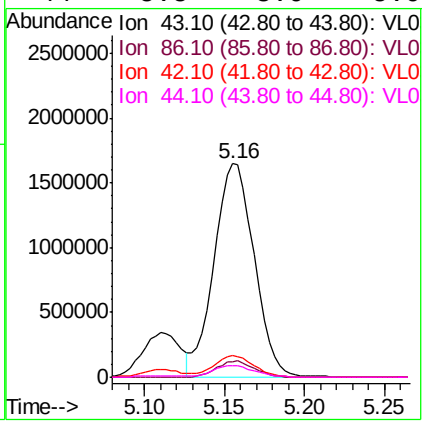


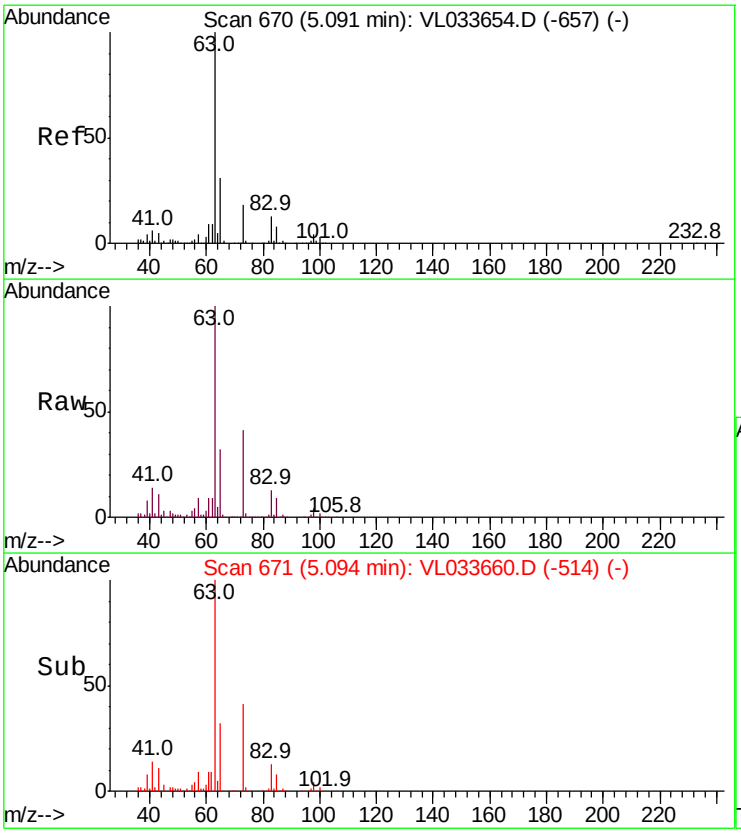
#23
Vinyl Acetate
Concen: 16.149 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2828083

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	10.1	8.0	12.0
44	5.5	3.9	5.9

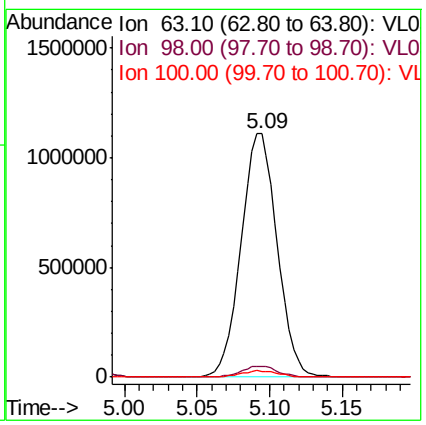


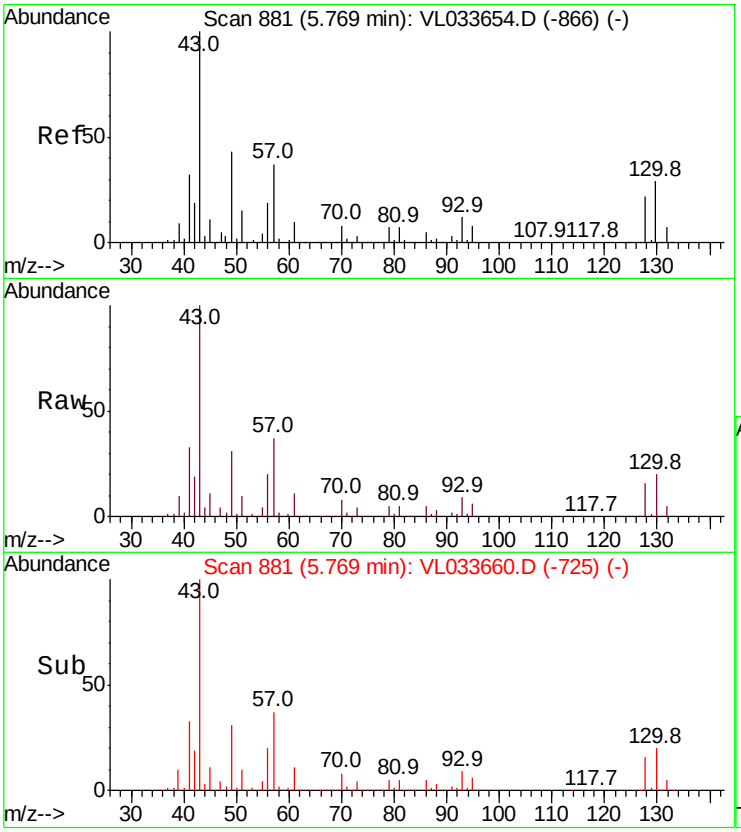


#24
1,1-Dichloroethane
Concen: 14.673 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 63 Resp: 1921931

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.2
100	2.4	1.5	4.4



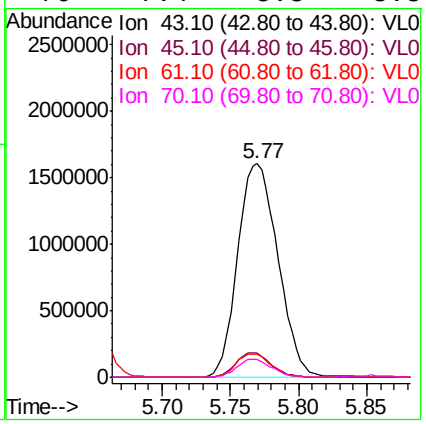


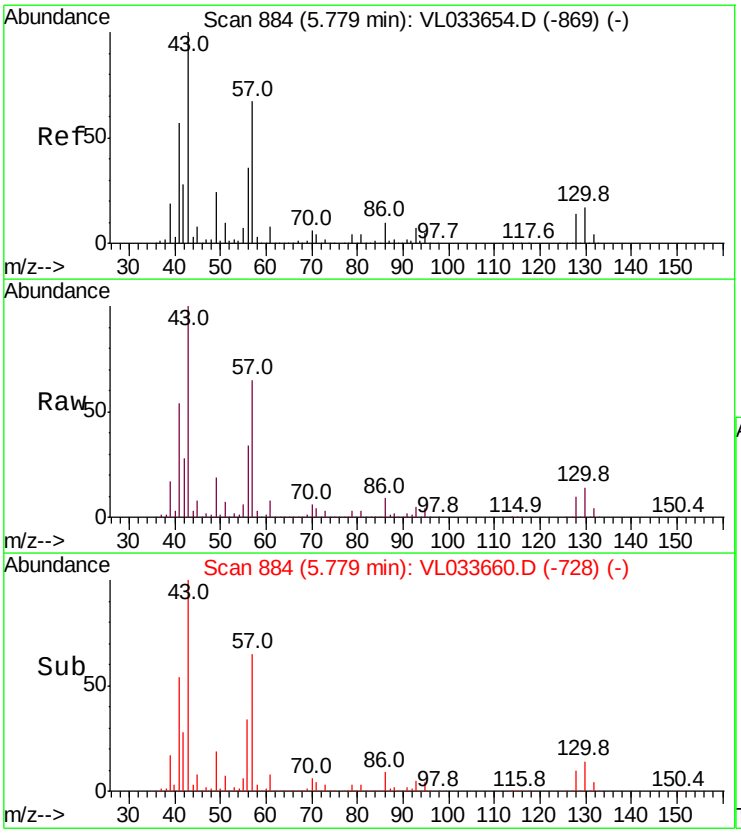
#25
Ethyl Acetate
Concen: 14.689 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3282723

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.6	7.5	11.3
70	7.4	5.8	8.8

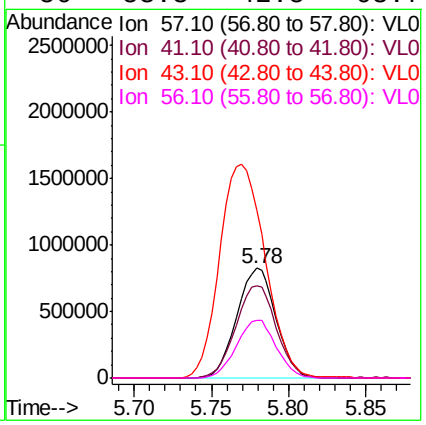


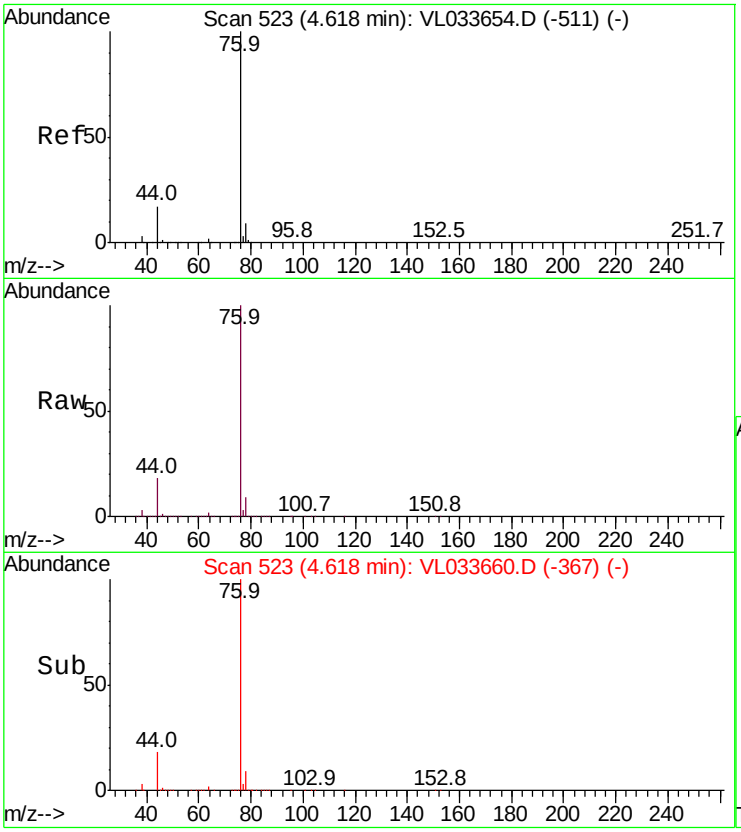


#26
Hexane
Concen: 15.368 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 57 Resp: 1453103

Ion	Ratio	Lower	Upper
57	100		
41	86.9	69.7	104.5
43	226.9	181.9	272.9
56	53.3	42.5	63.7



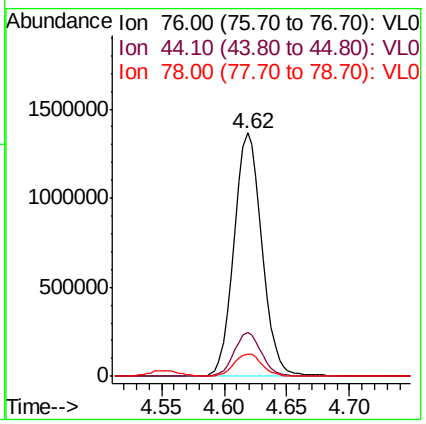


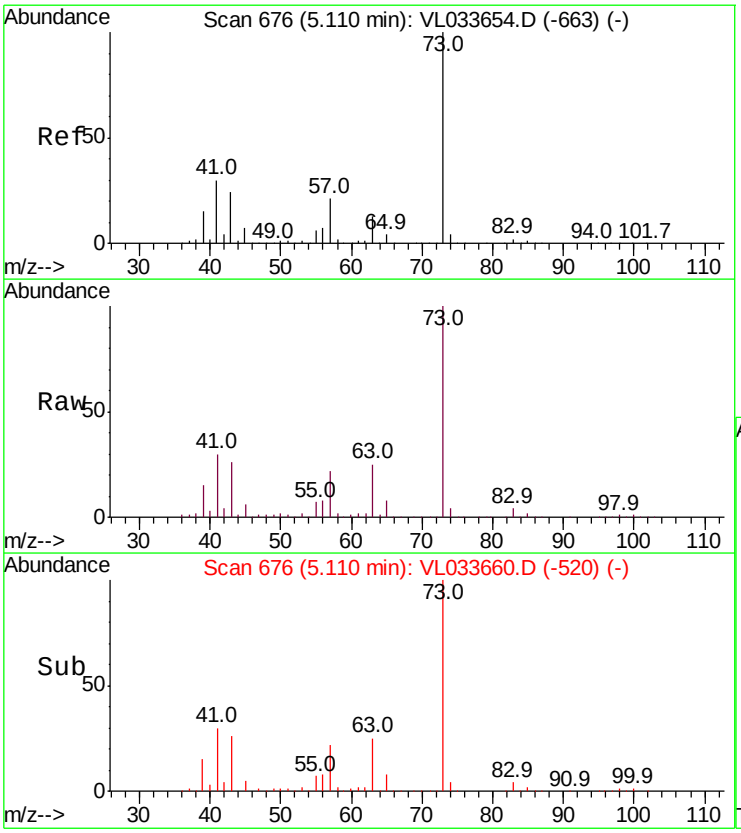
#27
Carbon Disulfide
Concen: 18.063 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 2120928

Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.4	21.6
78	9.3	7.4	11.2

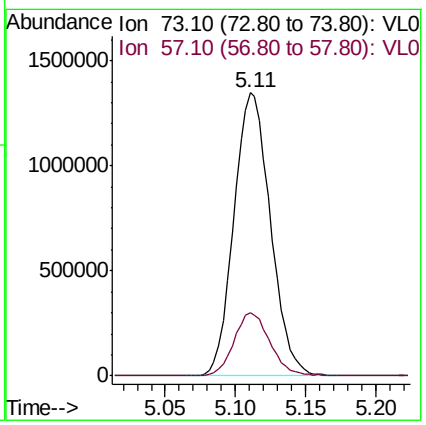


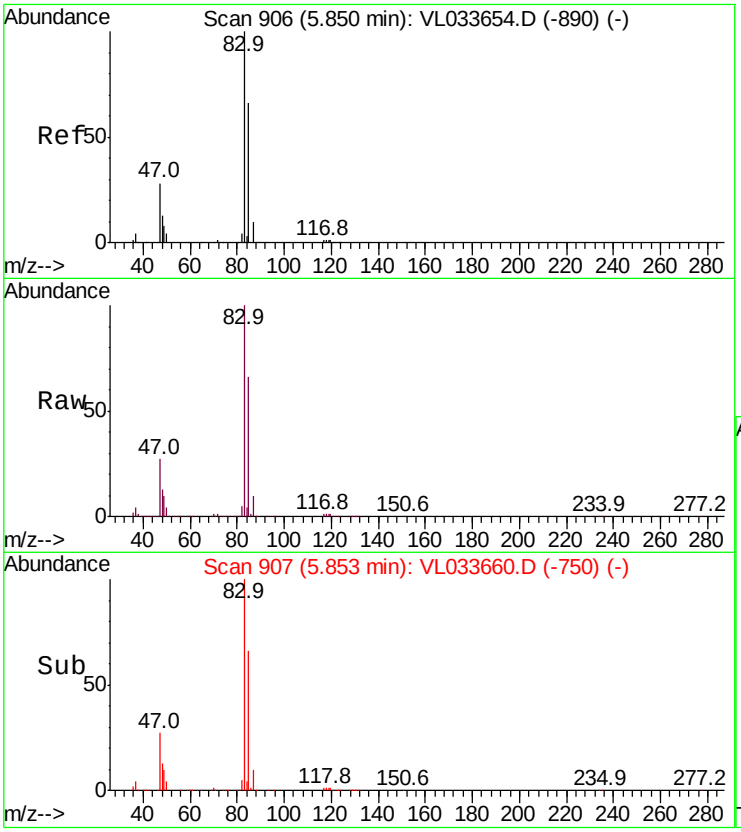


#28
Methyl tert-Butyl Ether
Concen: 15.410 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 73 Resp: 2448228

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



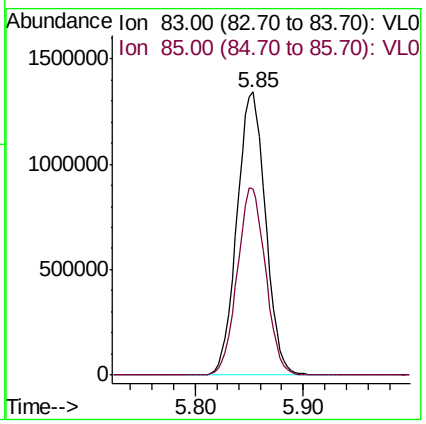


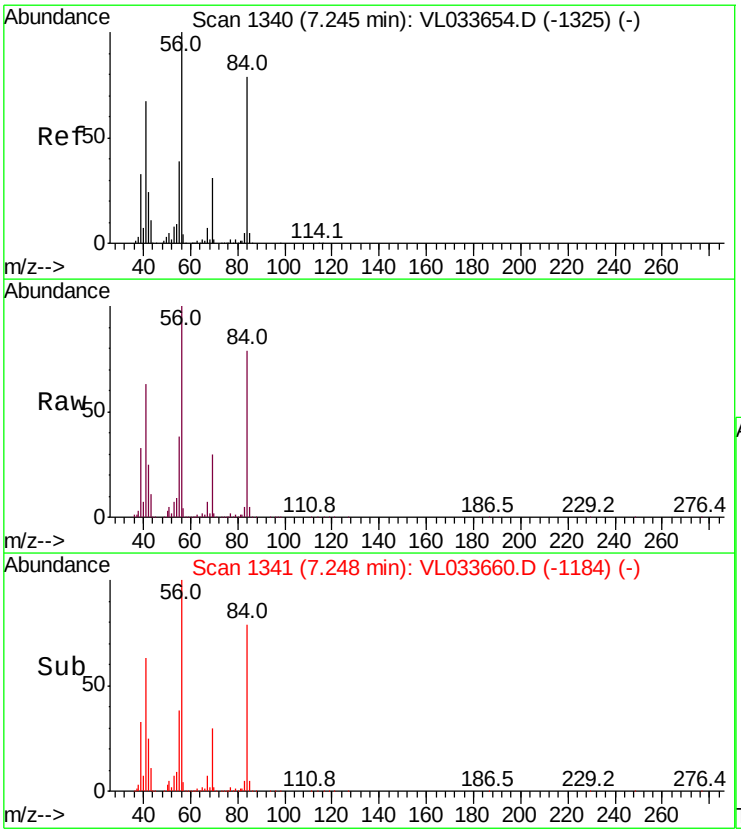
#29
Chloroform
Concen: 14.316 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2475811

Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8

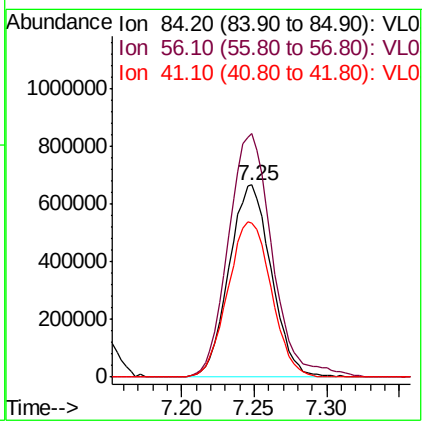


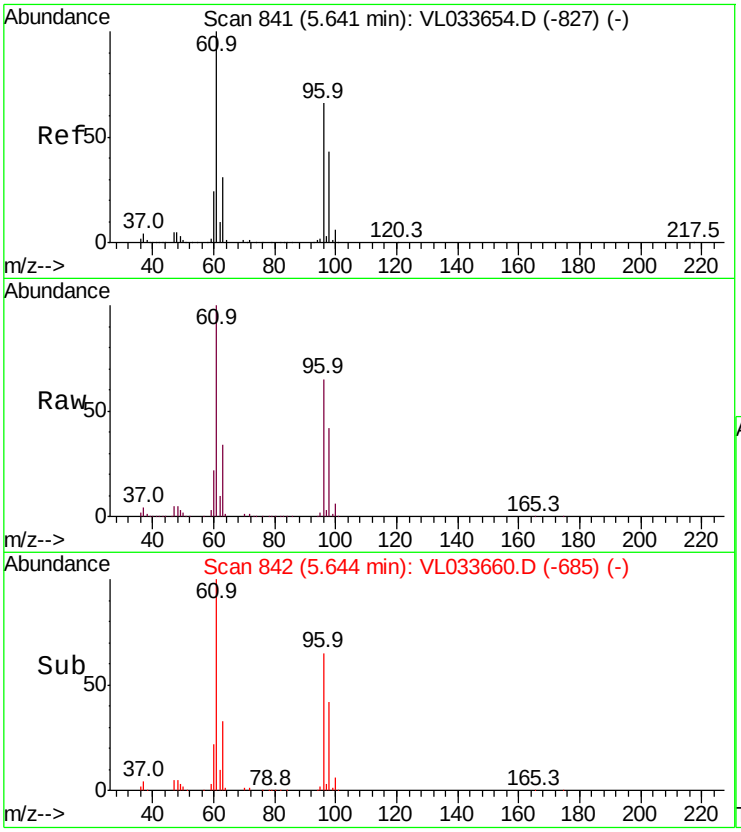


#30
Cyclohexane
Concen: 16.793 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 84 Resp: 1346166

Ion	Ratio	Lower	Upper
84	100		
56	132.3	107.0	160.4
41	83.4	66.6	99.8



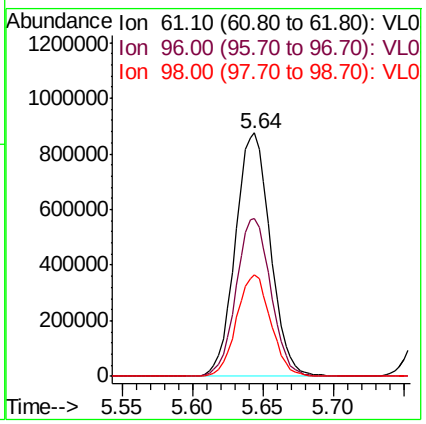


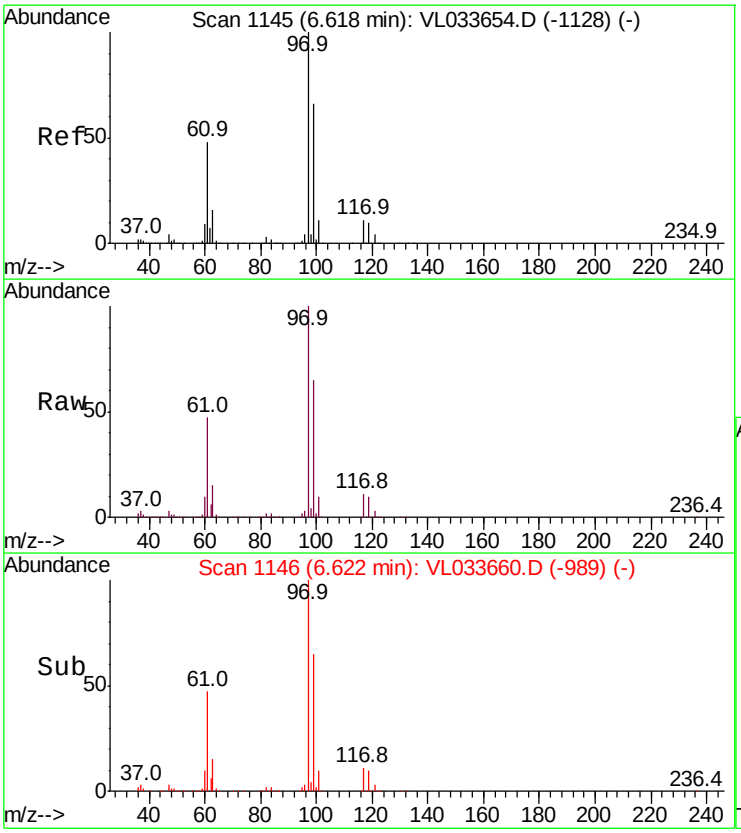
#31
cis-1,2-Dichloroethene
Concen: 15.960 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1520396

Ion	Ratio	Lower	Upper
61	100		
96	64.6	53.2	79.8
98	41.7	34.2	51.4

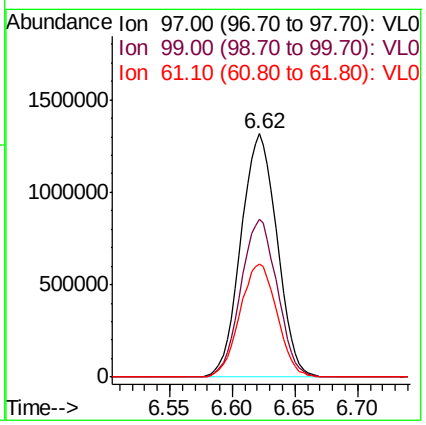


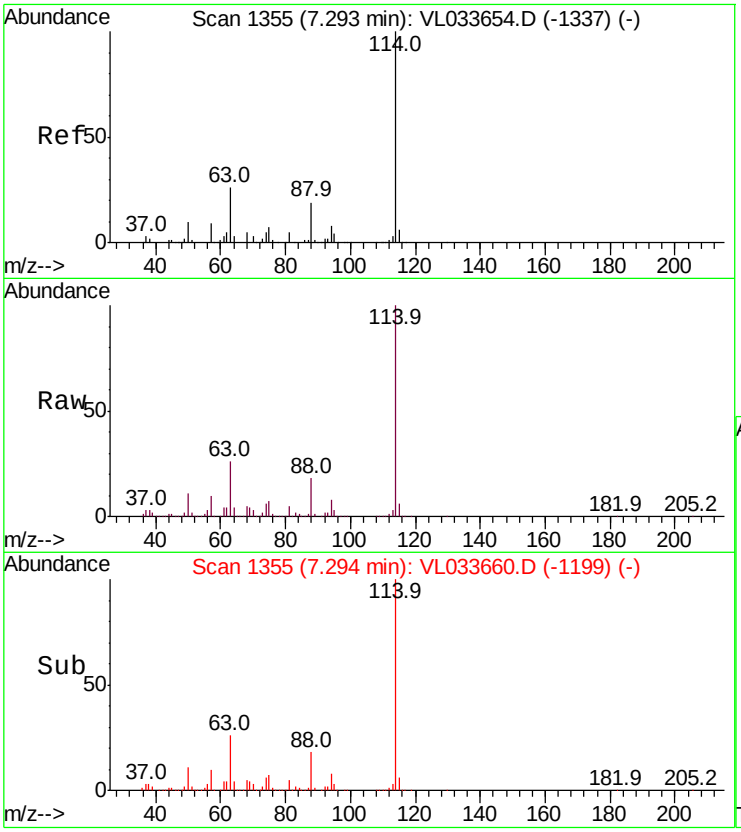


#32
1,1,1-Trichloroethane
Concen: 14.581 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 97 Resp: 2641947

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.5	77.3
61	47.8	38.5	57.7



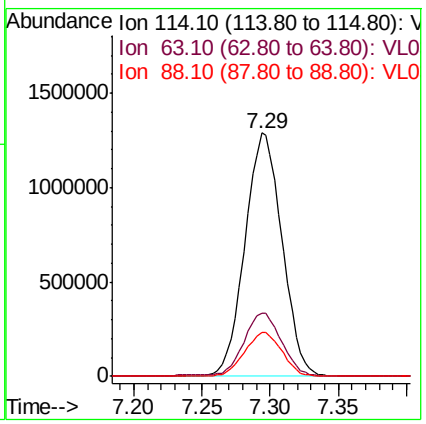


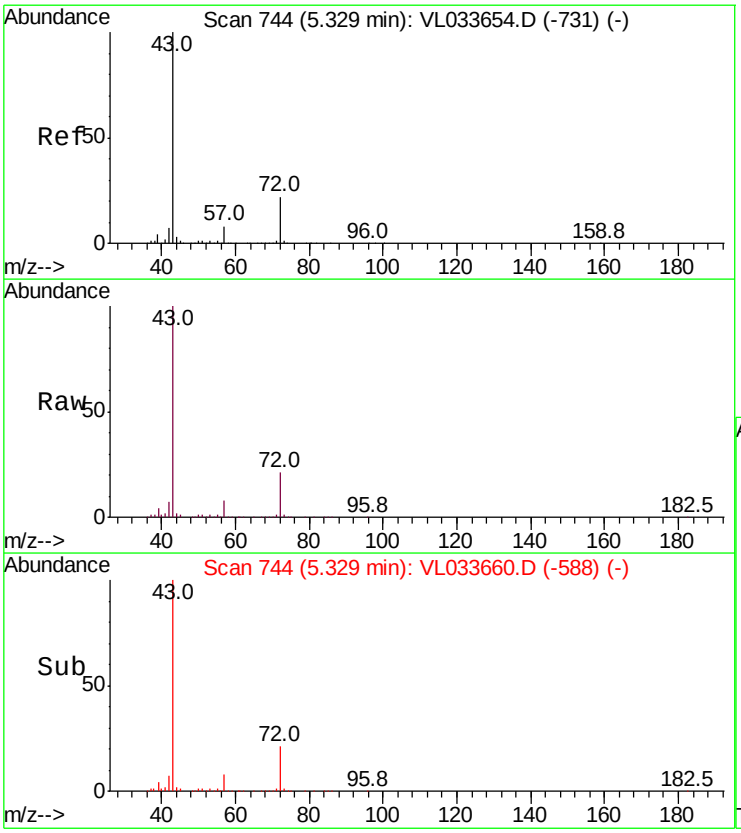
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2431301

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.2	31.8
88	18.2	14.4	21.6

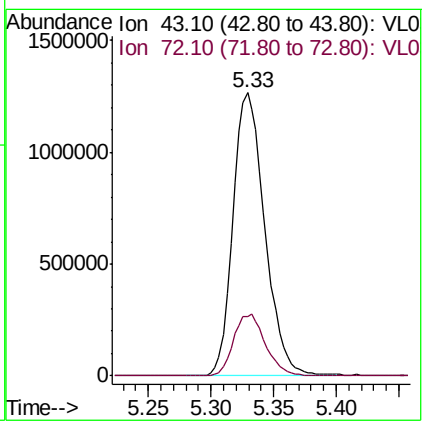


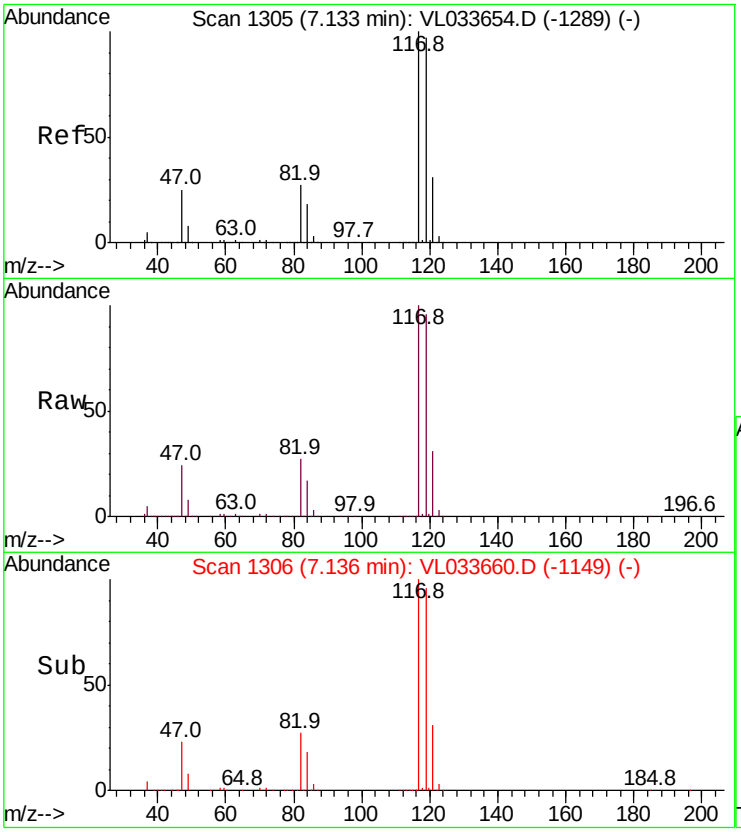


#34
2-Butanone
Concen: 14.758 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 43 Resp: 2219631

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.4	26.2



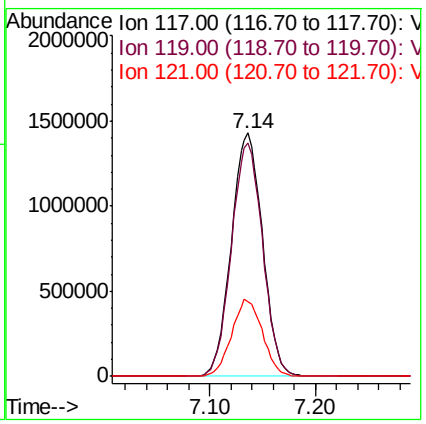


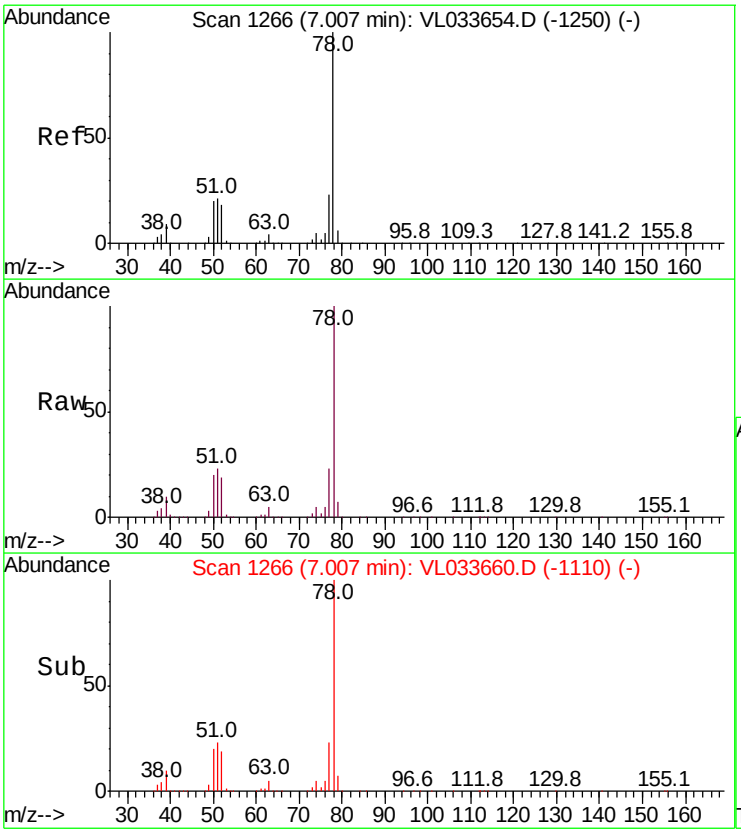
#35
Carbon Tetrachloride
Concen: 15.005 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2928165

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.9	116.9
121	30.8	25.0	37.6

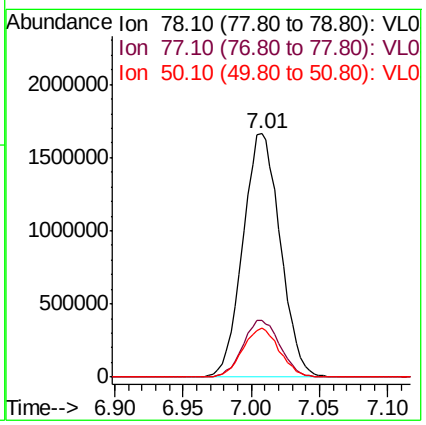


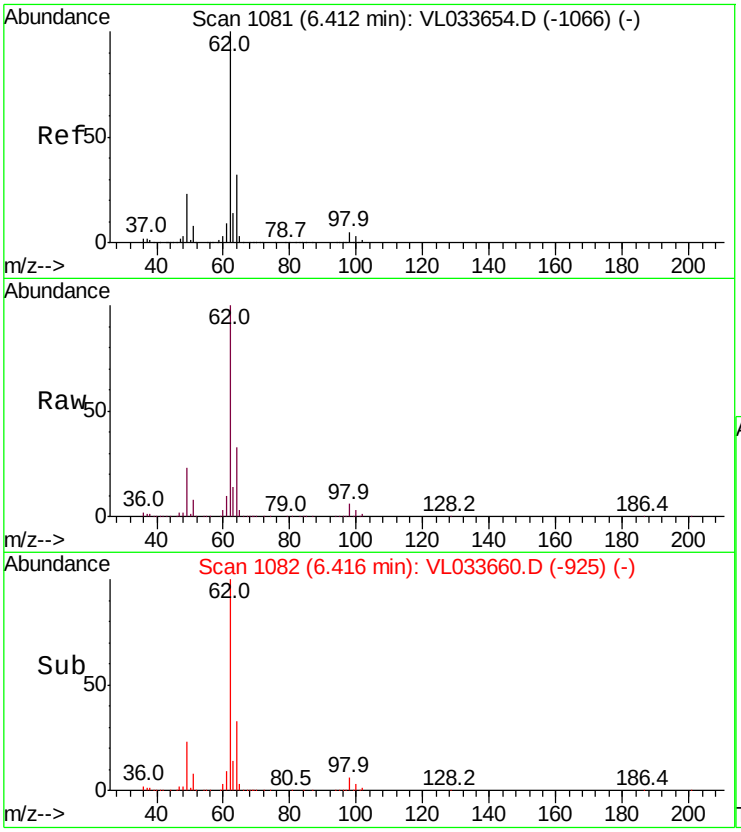


#36
Benzene
Concen: 15.028 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 78 Resp: 3163845

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2
50	20.0	15.8	23.6



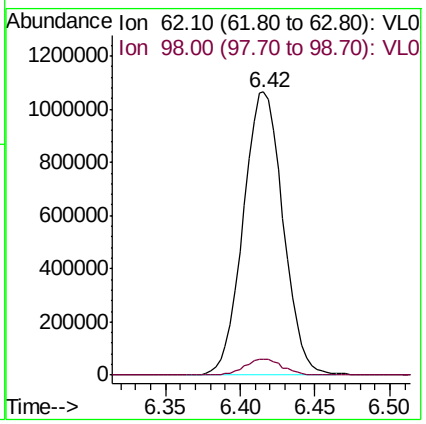


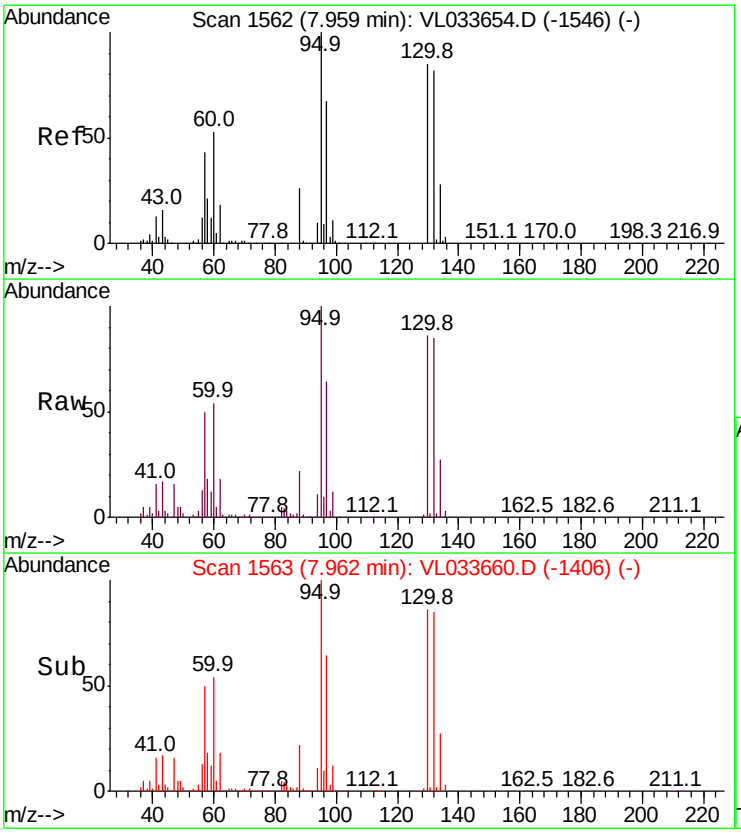
#37
1,2-Dichloroethane
Concen: 14.129 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1974459

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

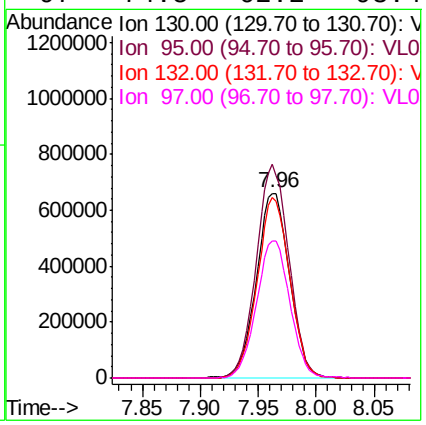


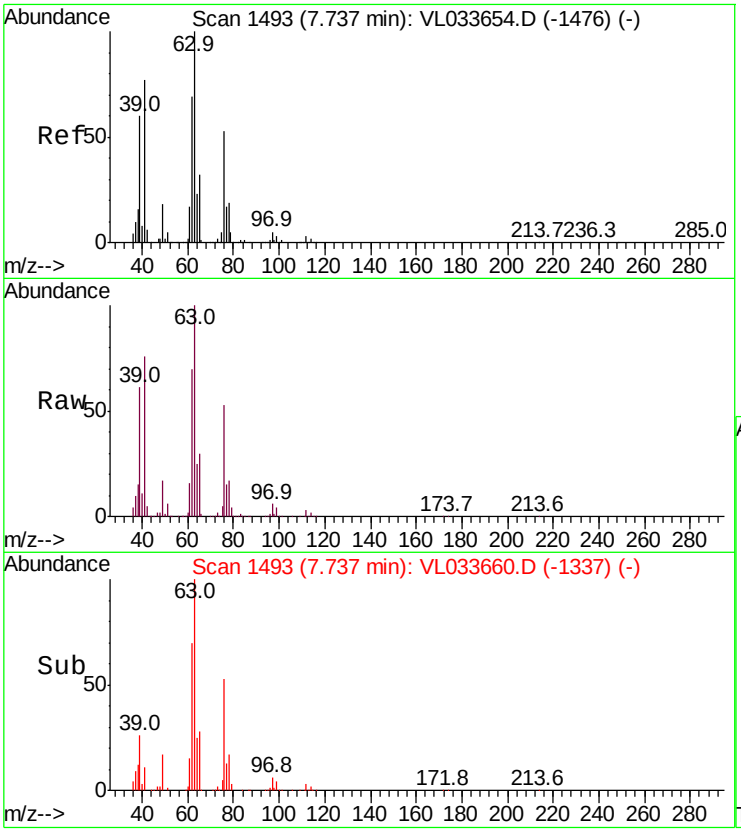


#38
Trichloroethene
Concen: 15.750 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:130 Resp: 1317188

Ion	Ratio	Lower	Upper
130	100		
95	115.7	93.4	140.0
132	98.0	76.2	114.4
97	74.5	62.2	93.4



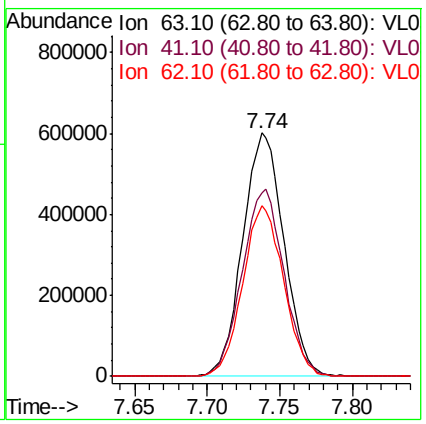


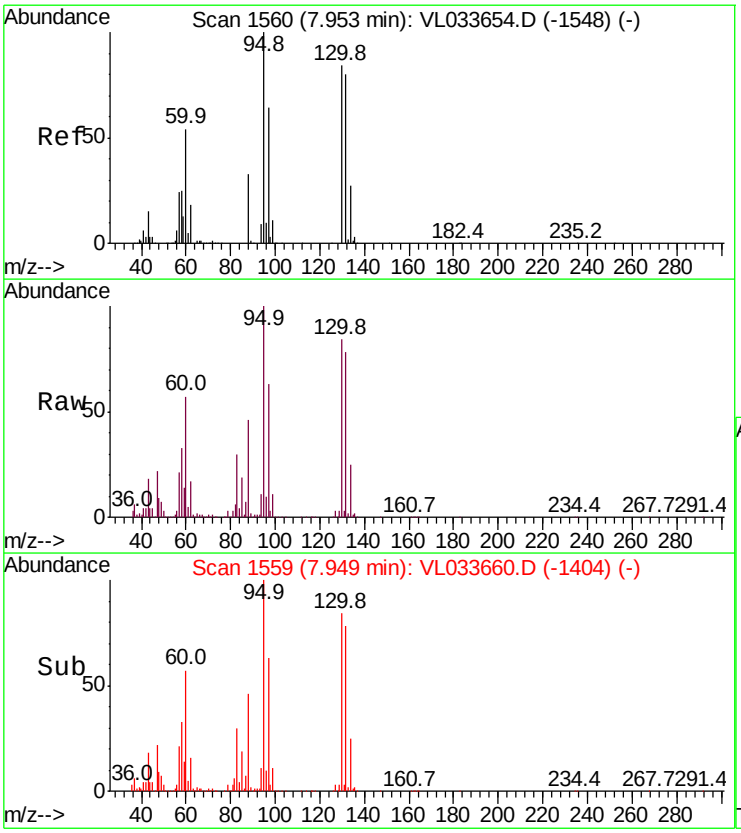
#39
1,2-Dichloropropane
Concen: 15.114 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1192697

Ion	Ratio	Lower	Upper
63	100		
41	75.4	61.6	92.4
62	70.2	55.0	82.6

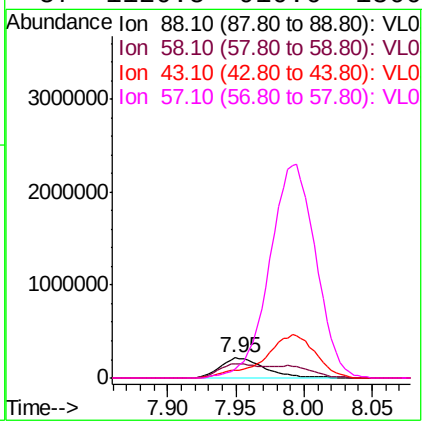


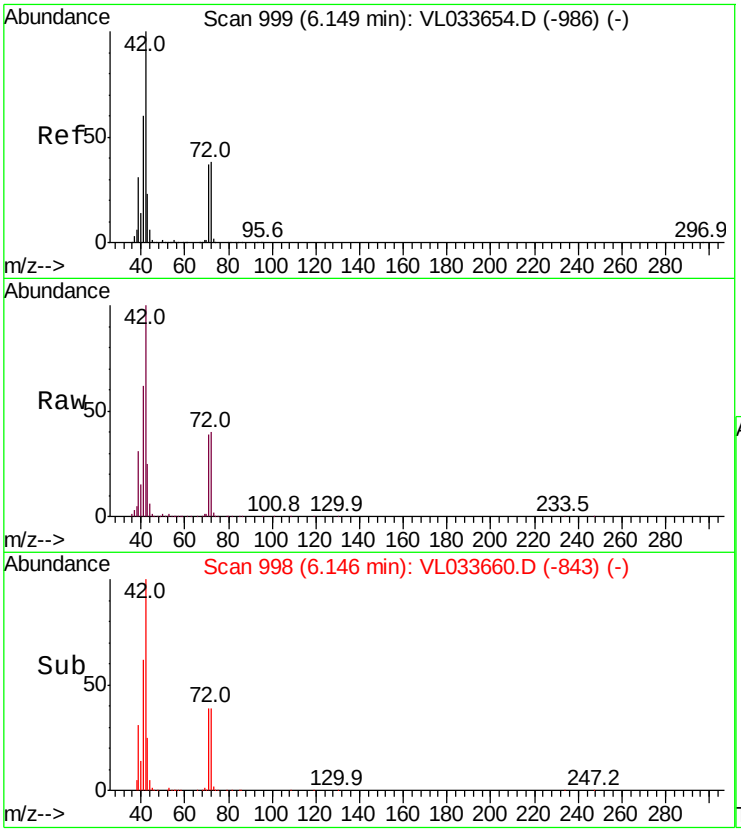


#40
1,4-Dioxane
Concen: 15.259 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 88 Resp: 483525

Ion	Ratio	Lower	Upper
88	100		
58	126.4	102.3	153.5
43	253.6	206.1	309.1
57	1120.5	910.6	1366.0



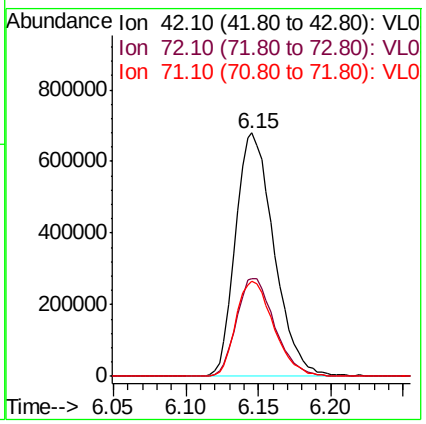


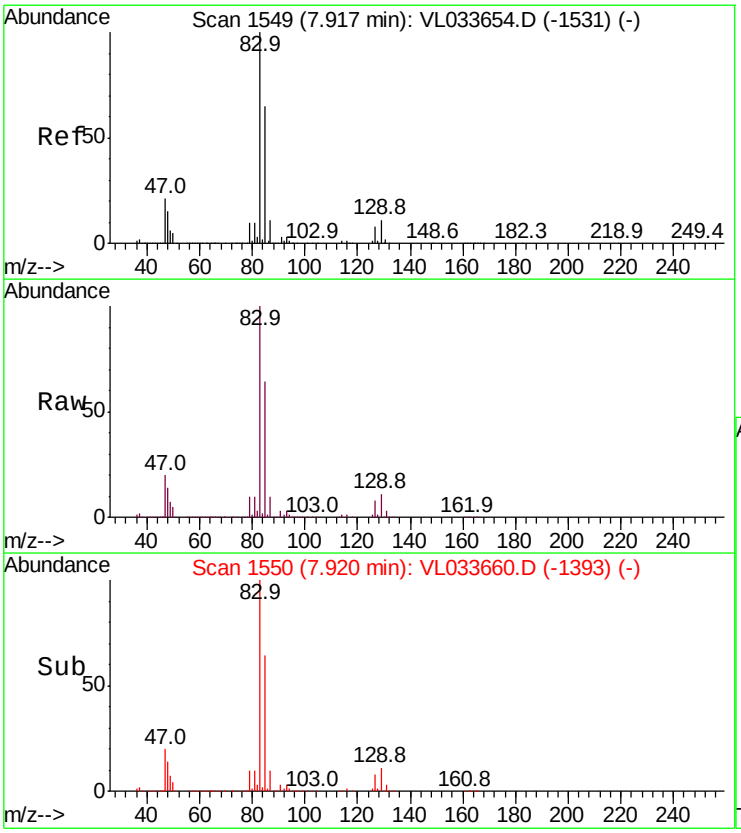
#41
Tetrahydrofuran
Concen: 15.484 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 1249868

Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.6	47.4
71	38.7	30.6	45.8

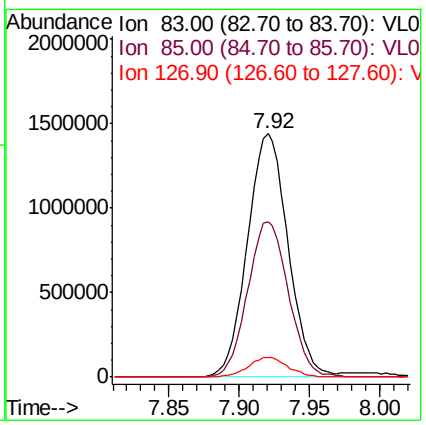


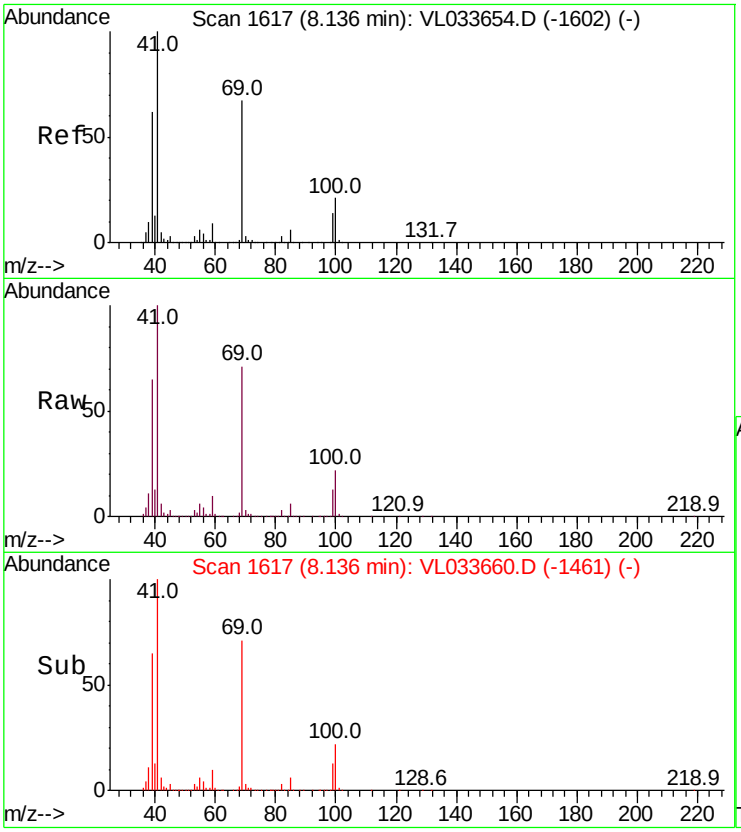


#42
Bromodichloromethane
Concen: 15.338 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 83 Resp: 2904790

Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6
127	8.2	6.6	9.8



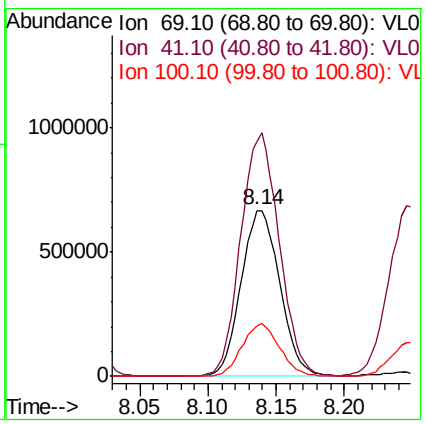


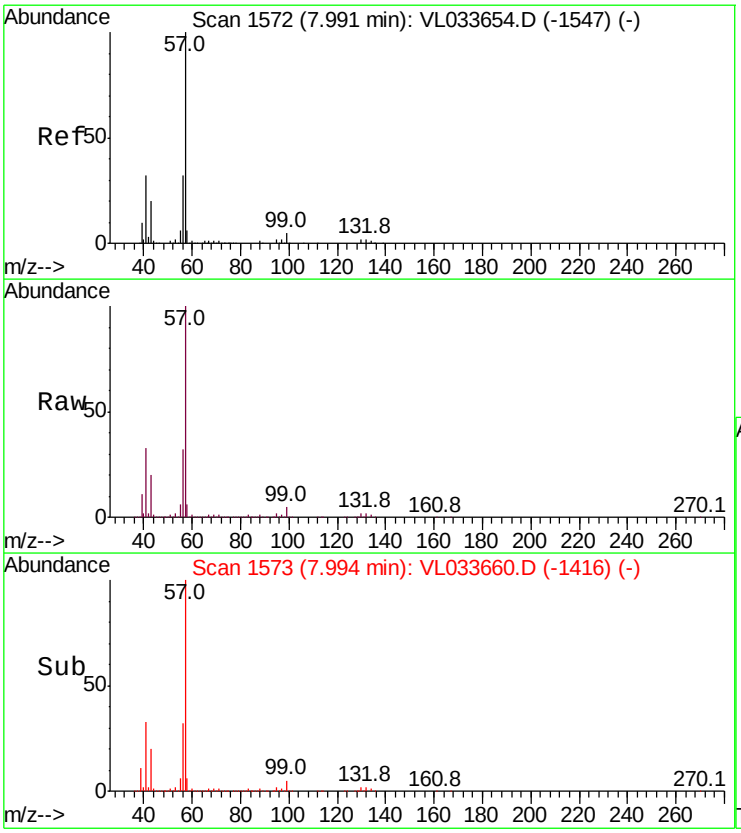
#43
Methyl Methacrylate
Concen: 16.598 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1317589

Ion	Ratio	Lower	Upper
69	100		
41	145.3	116.5	174.7
100	30.7	24.6	37.0

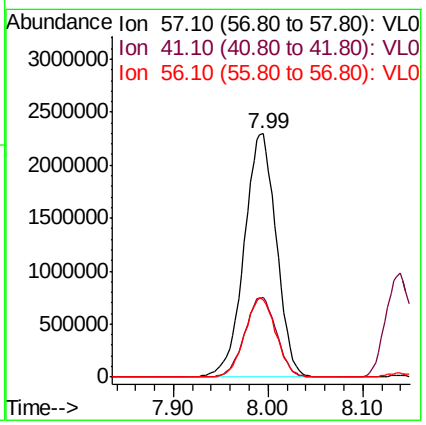


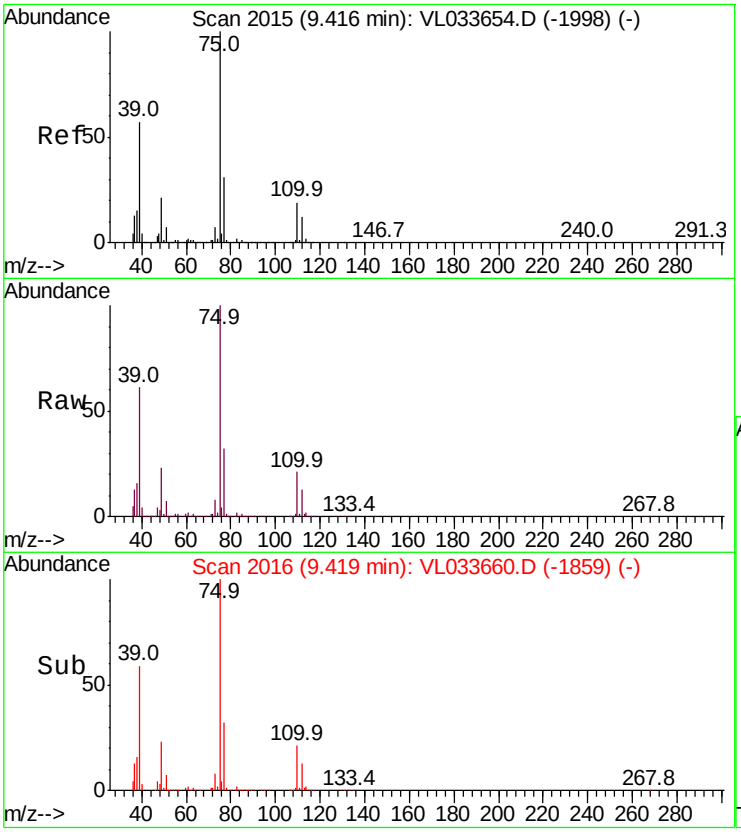


#44
2,2,4-Trimethylpentane
Concen: 14.807 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 57 Resp: 5416655

Ion	Ratio	Lower	Upper
57	100		
41	32.3	25.7	38.5
56	31.4	25.0	37.6



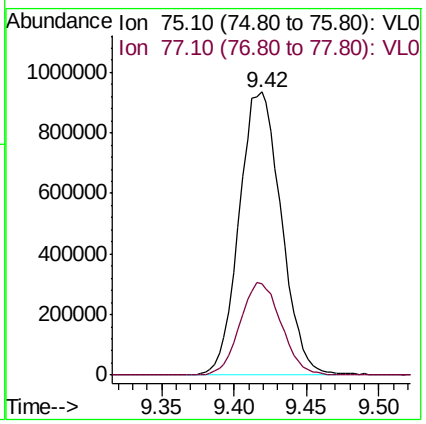


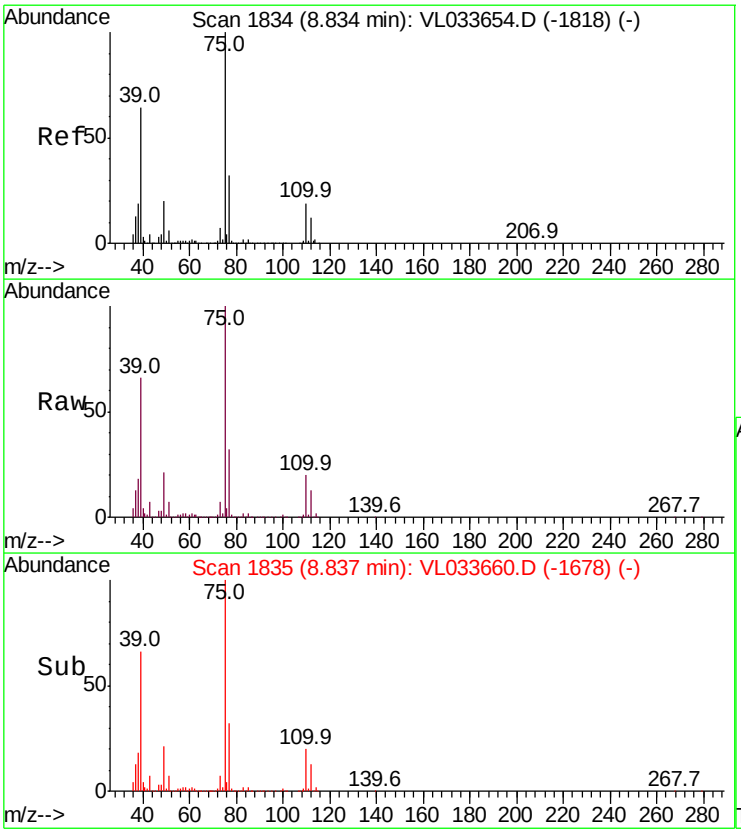
#45
t-1,3-Dichloropropene
Concen: 18.383 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1882995

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1

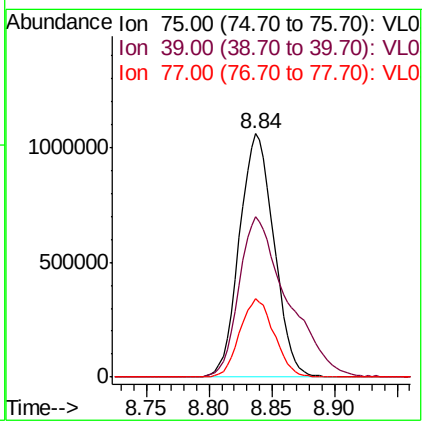


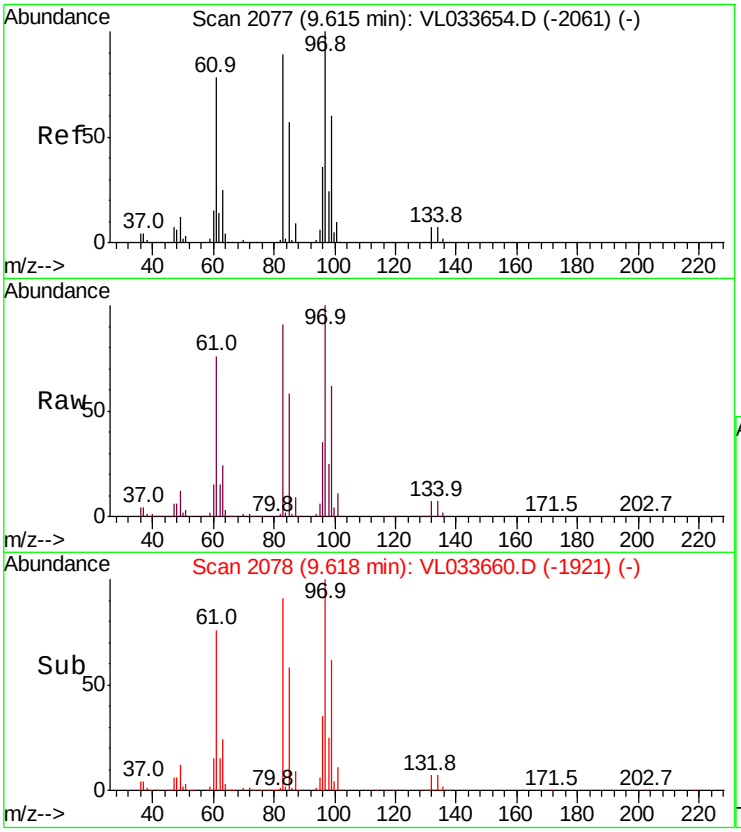


#46
cis-1,3-Dichloropropene
Concen: 17.192 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 75 Resp: 2038071

Ion	Ratio	Lower	Upper
75	100		
39	66.1	51.5	77.3
77	32.2	25.4	38.0



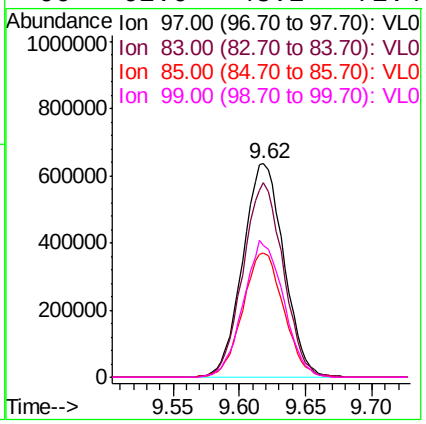


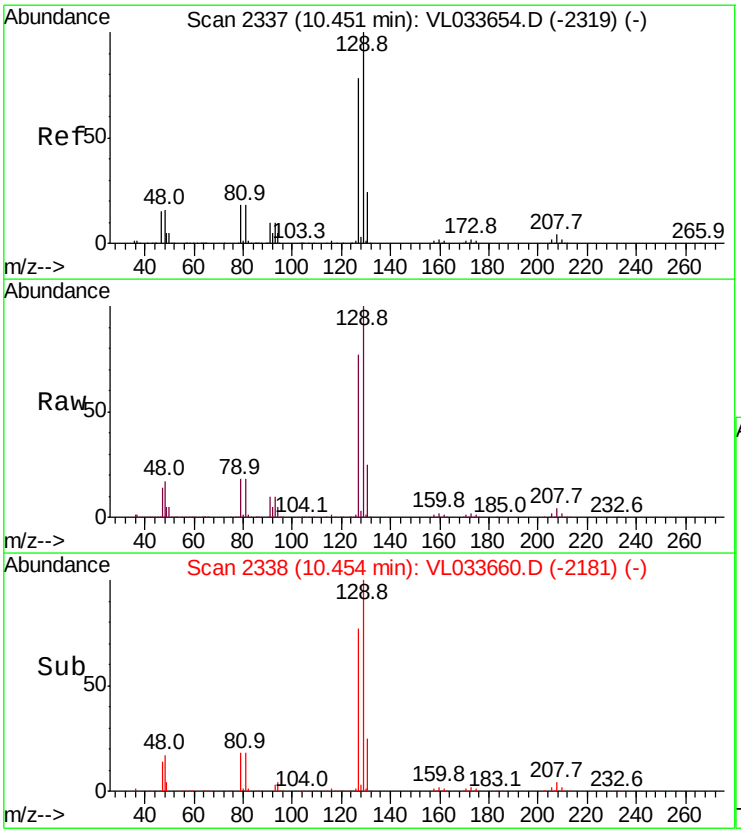
#47
1,1,2-Trichloroethane
Concen: 14.750 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1376298

Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.9	106.3
85	58.1	45.8	68.6
99	62.0	48.2	72.4

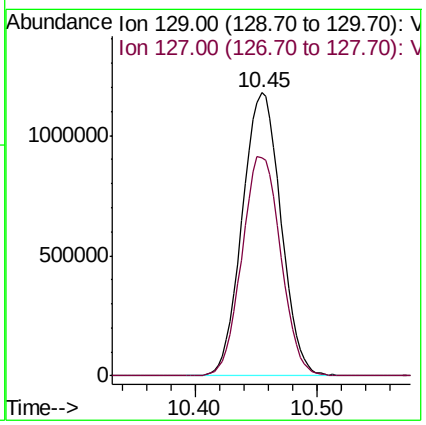


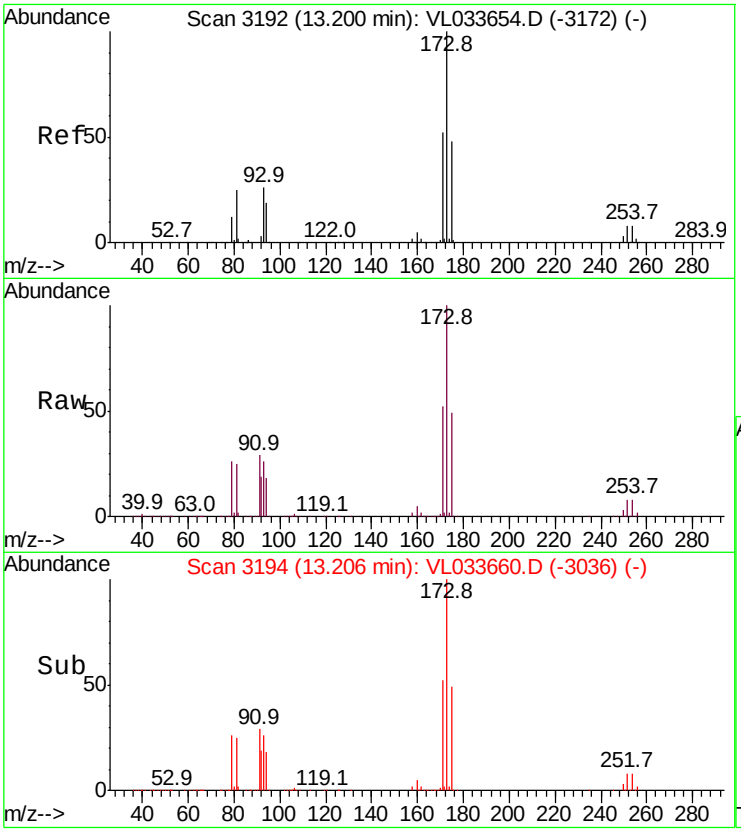


#48
Dibromochloromethane
Concen: 16.438 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:129 Resp: 2576074

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.2



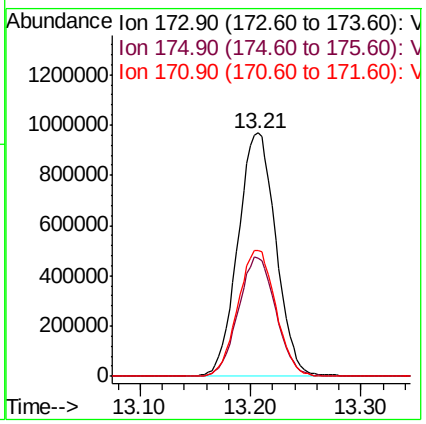


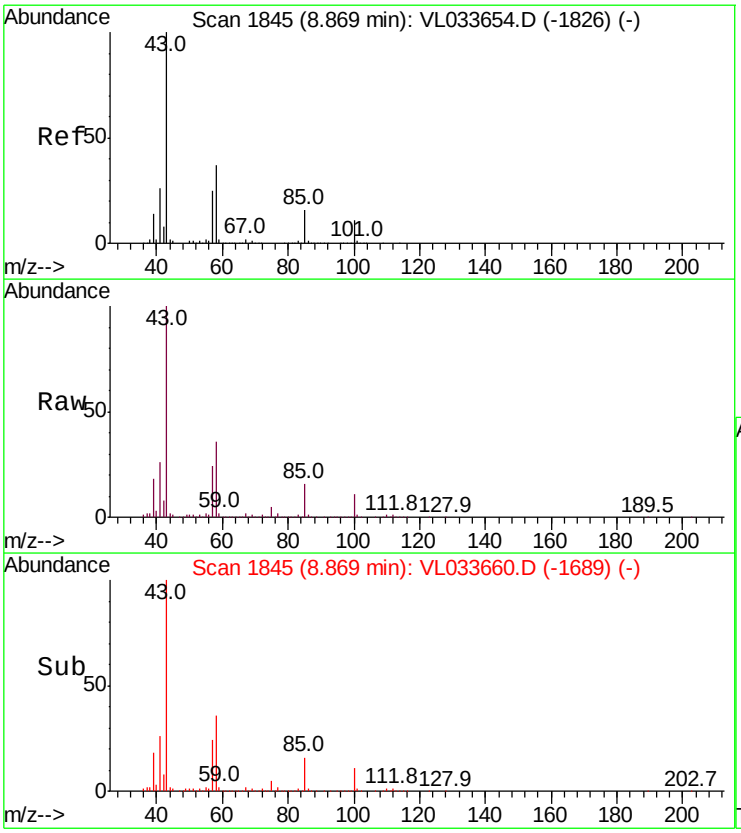
#49
Bromoform
Concen: 17.174 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 2308958

Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.3	58.9
171	51.7	41.5	62.3

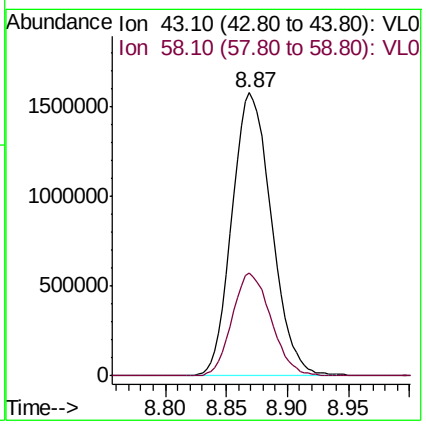


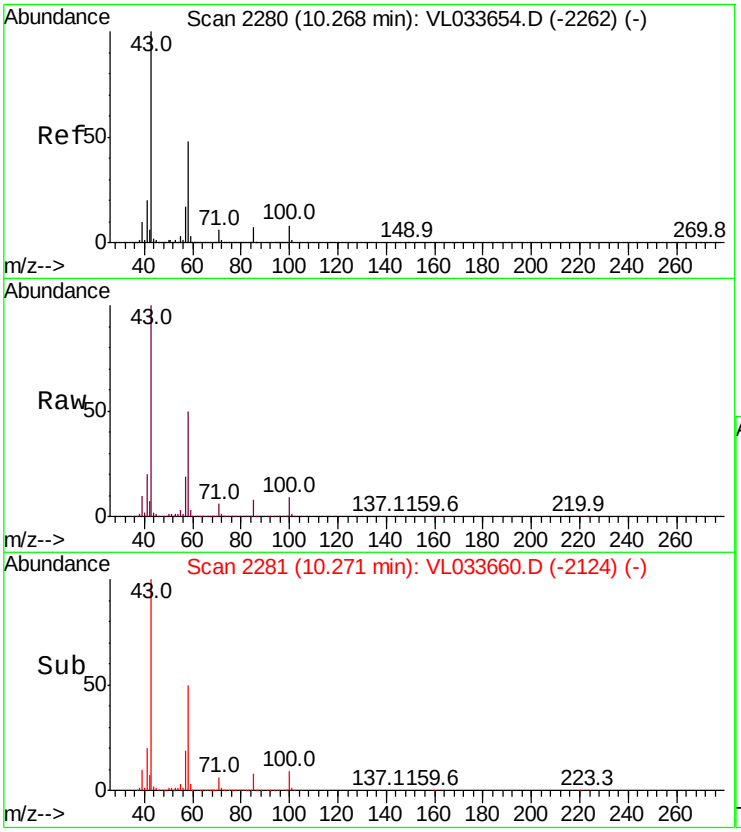


#50
4-Methyl-2-Pentanone
Concen: 15.024 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 43 Resp: 3543659

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.8	43.2



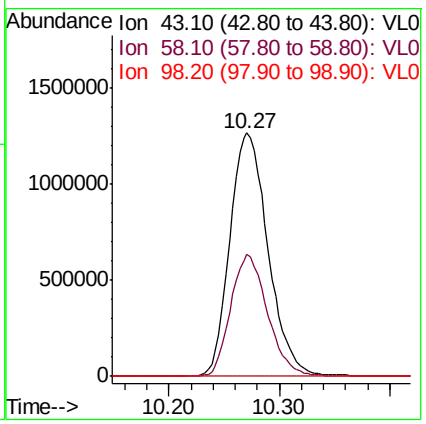


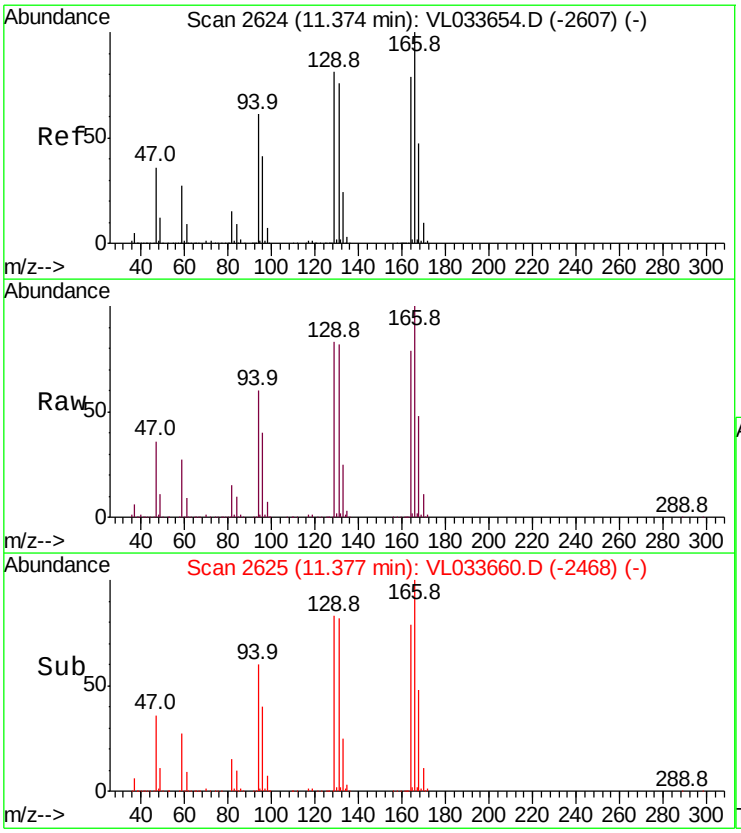
#51
2-Hexanone
Concen: 16.387 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3034634

Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.2	57.4
98	0.1	0.2	0.4#

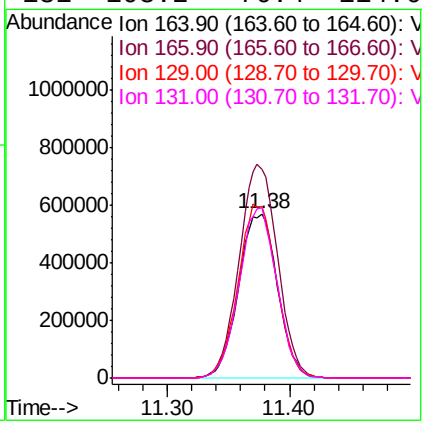


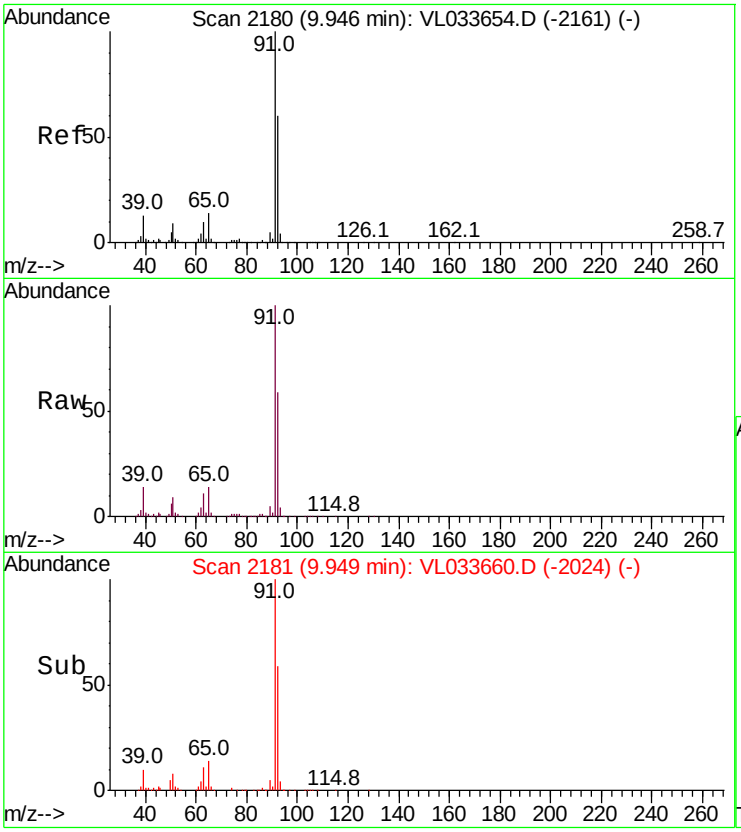


#52
Tetrachloroethene
Concen: 15.669 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:164 Resp: 1249479

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.6	151.0
129	104.4	81.0	121.6
131	103.2	76.4	114.6



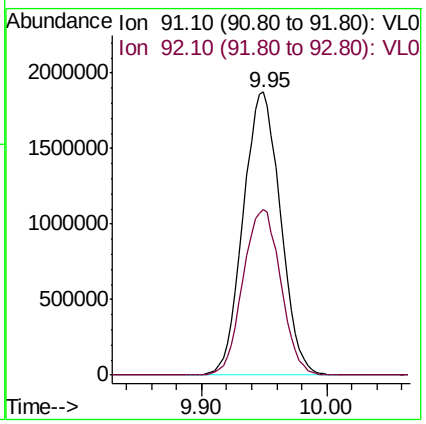


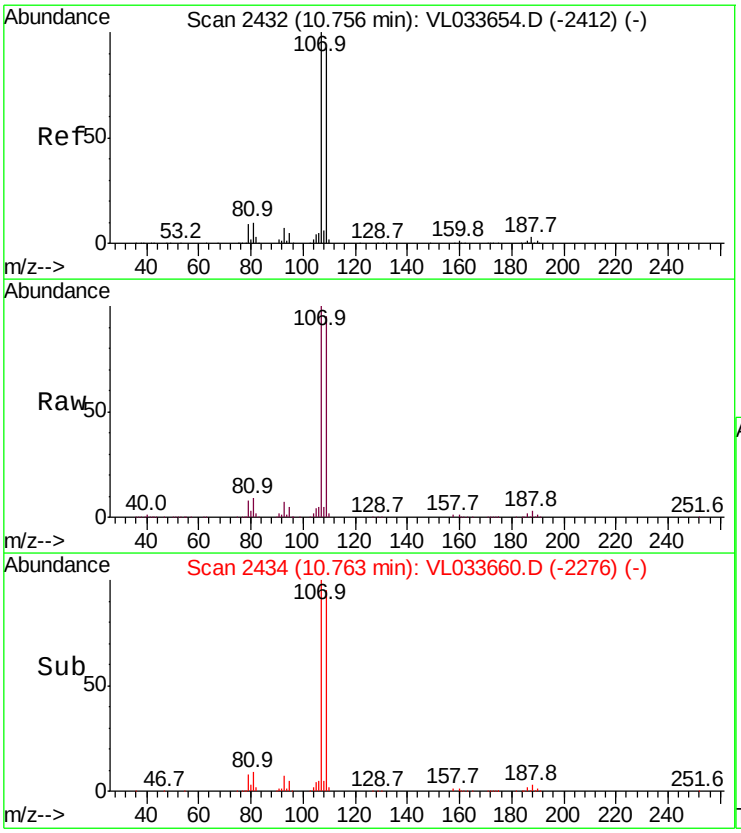
#53
Toluene
Concen: 16.268 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 3864664

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.8	71.6

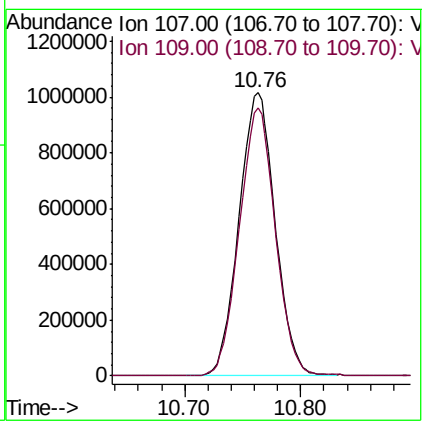


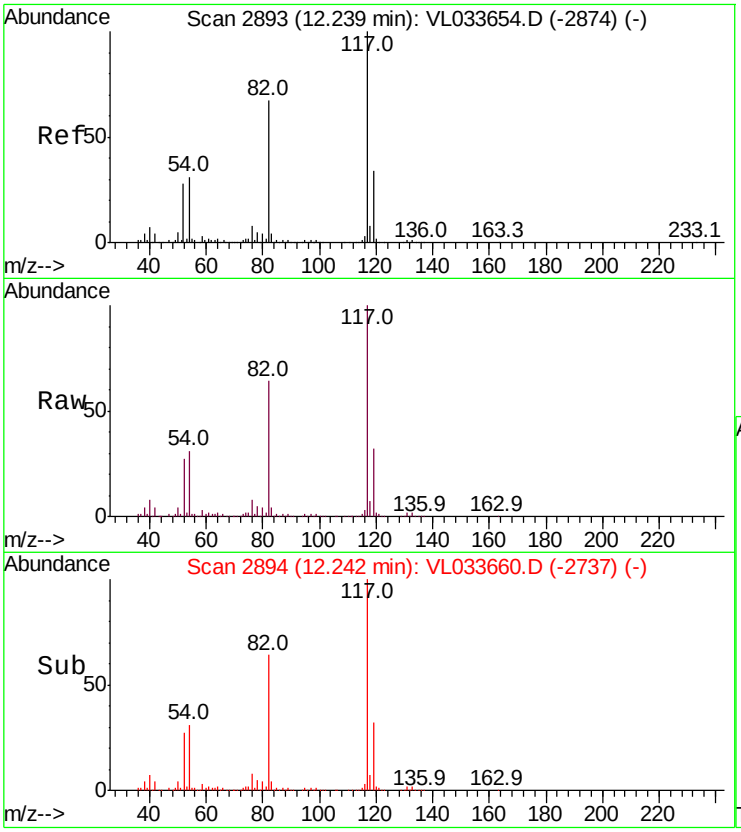


#54
1,2-Dibromoethane
Concen: 15.804 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:107 Resp: 2203326

Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.6	111.8



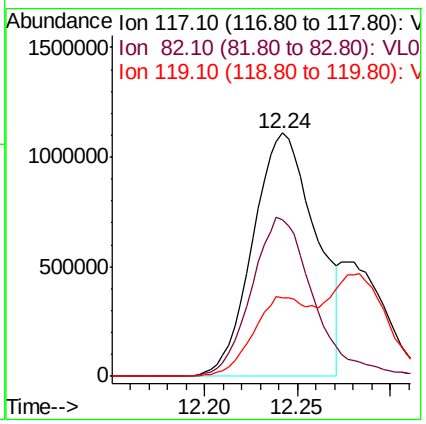


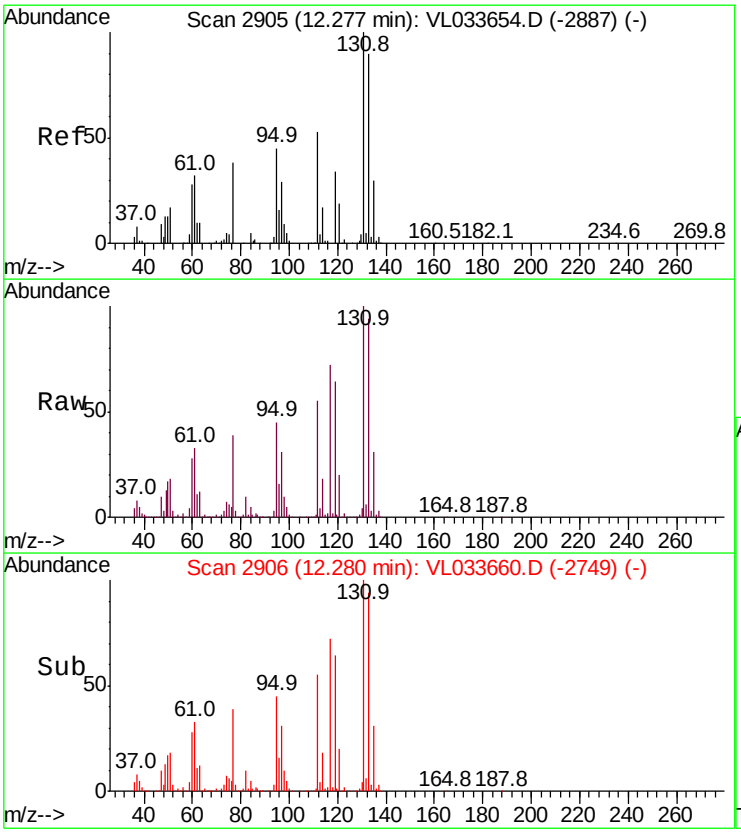
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2622260

Ion	Ratio	Lower	Upper
117	100		
82	64.9	49.7	74.5
119	0.0	23.3	34.9#

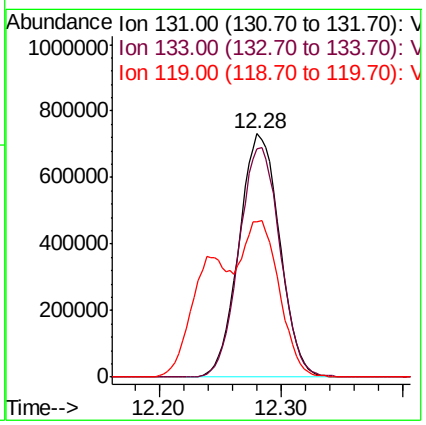


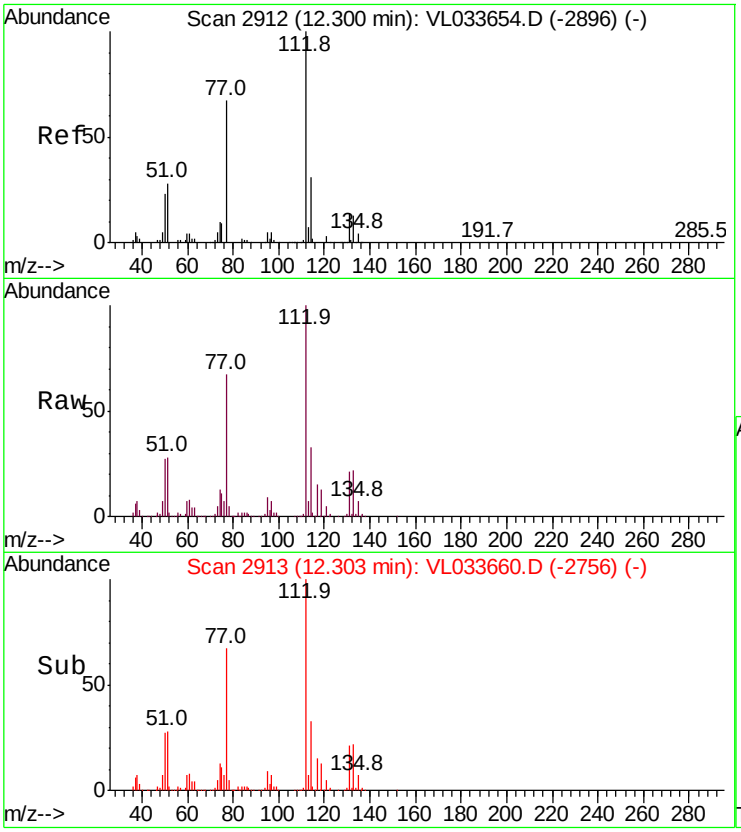


#56
1,1,1,2-Tetrachloroethane
Concen: 14.654 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:131 Resp: 1682666

Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.1	114.1
119	108.6	49.4	74.0#



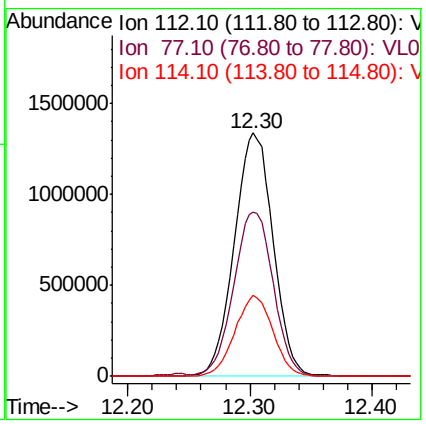


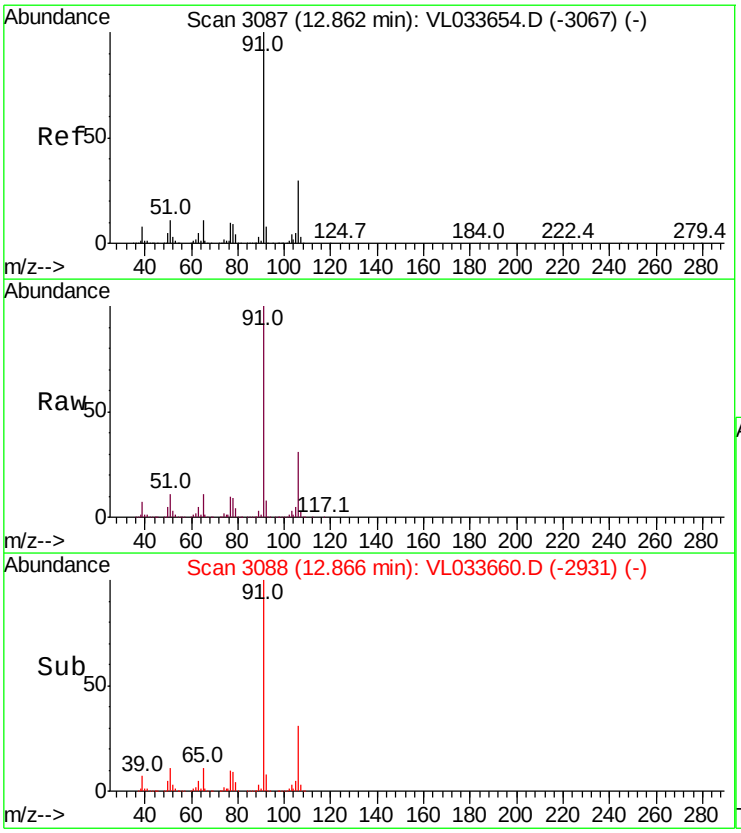
#57
Chlorobenzene
Concen: 14.355 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2936333

Ion	Ratio	Lower	Upper
112	100		
77	67.0	54.4	81.6
114	33.2	28.2	34.4

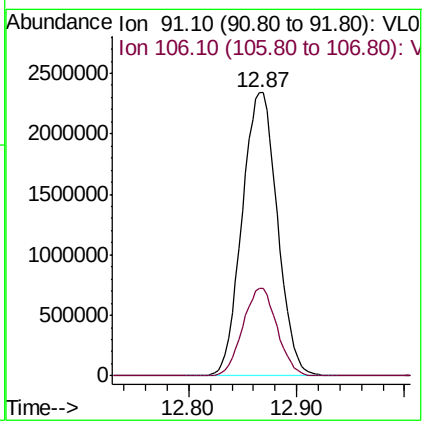


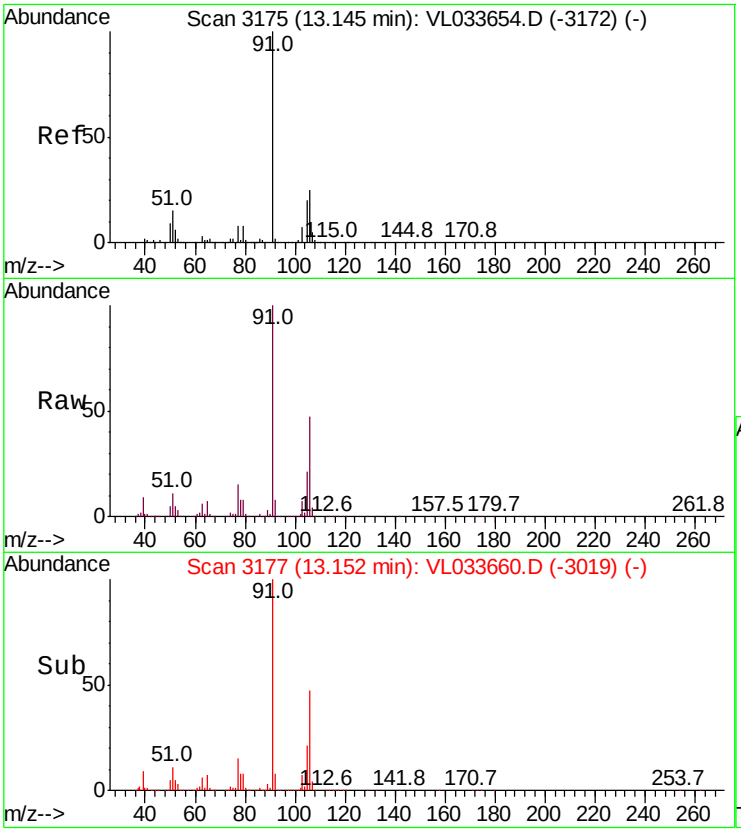


#58
Ethyl Benzene
Concen: 16.144 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 91 Resp: 5314504

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.7	35.5



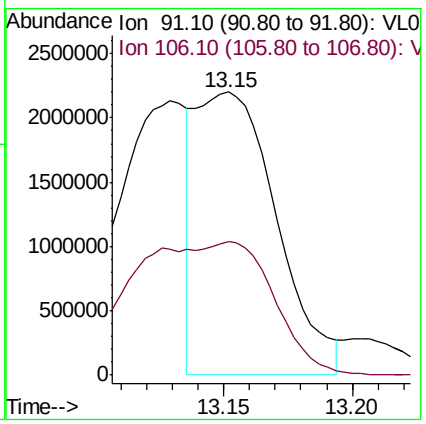


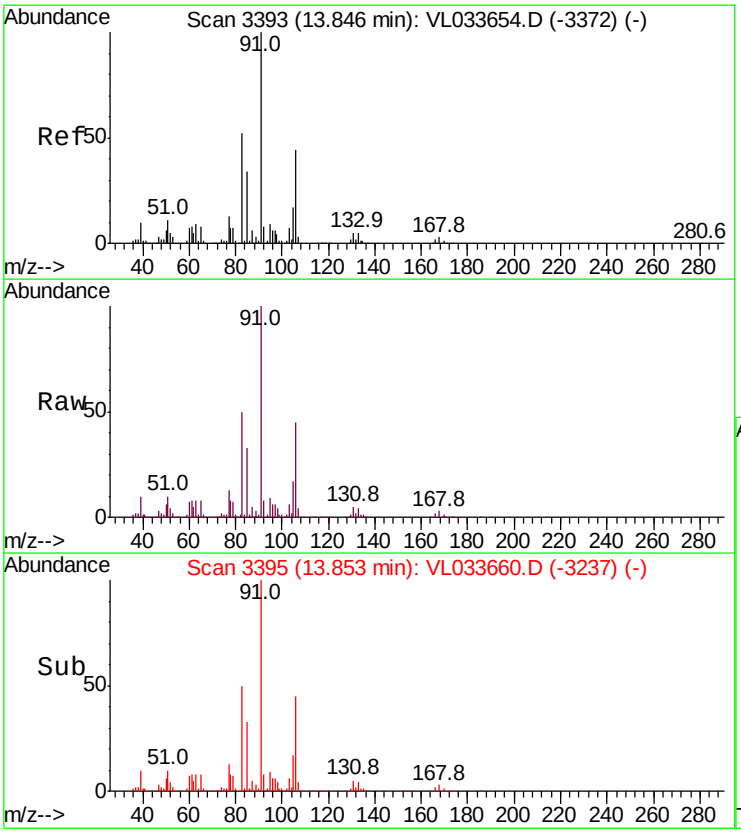
#59
m/p-Xylene
Concen: 16.743 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4744562

Ion	Ratio	Lower	Upper
91	100		
106	85.2	35.9	53.9#

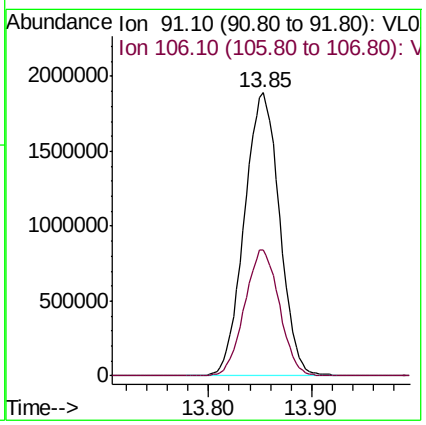


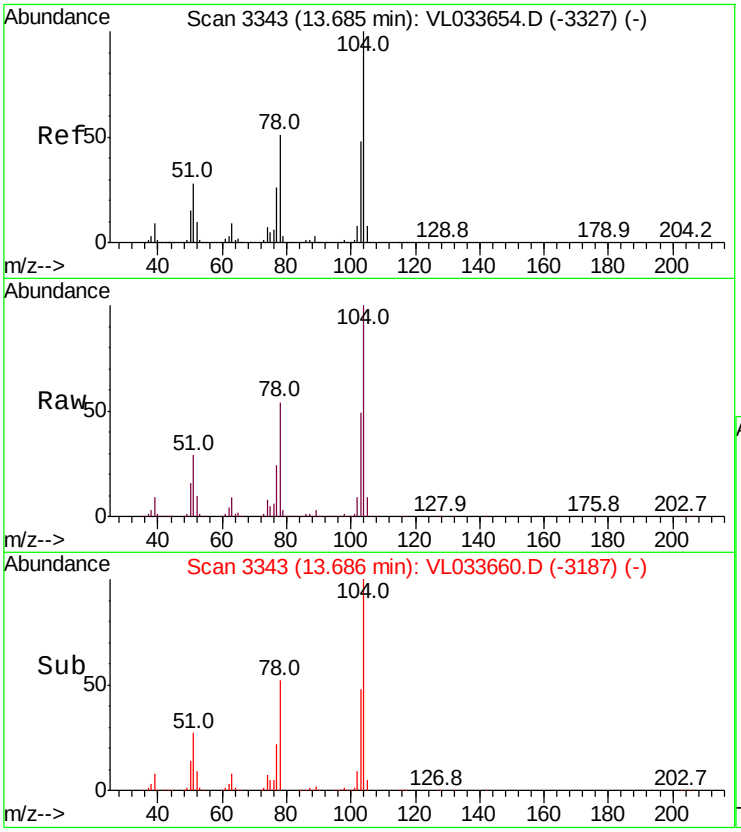


#60
o-Xylene
Concen: 15.672 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 91 Resp: 4473593

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.7	65.1



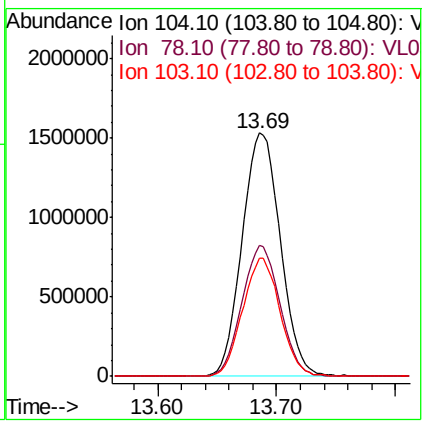


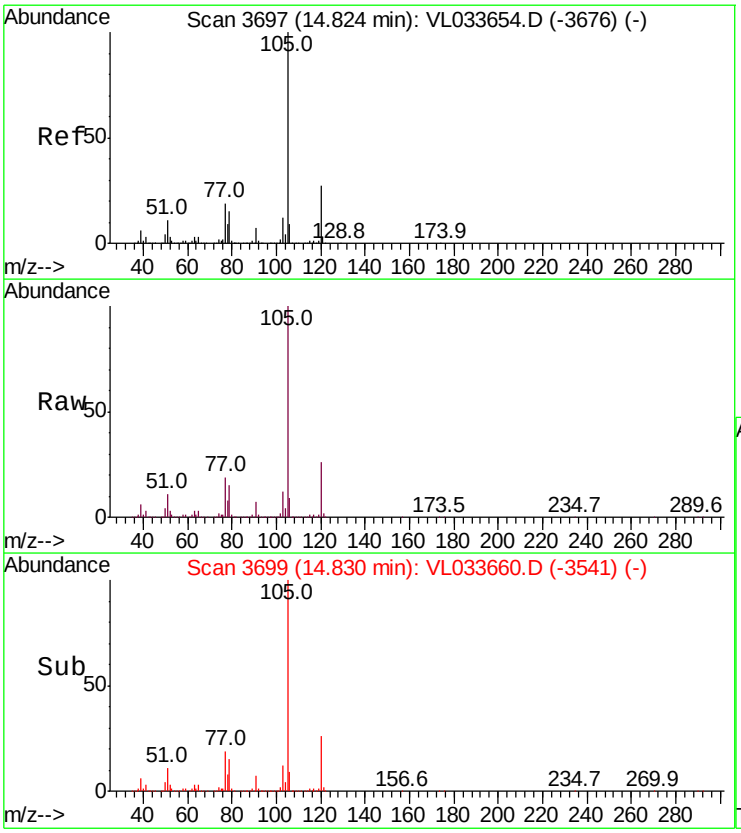
#61
Stvrene
Concen: 17.459 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 3418573

Ion	Ratio	Lower	Upper
104	100		
78	53.3	43.0	64.6
103	47.5	38.1	57.1

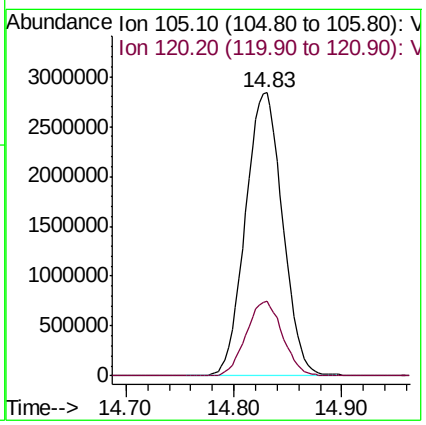


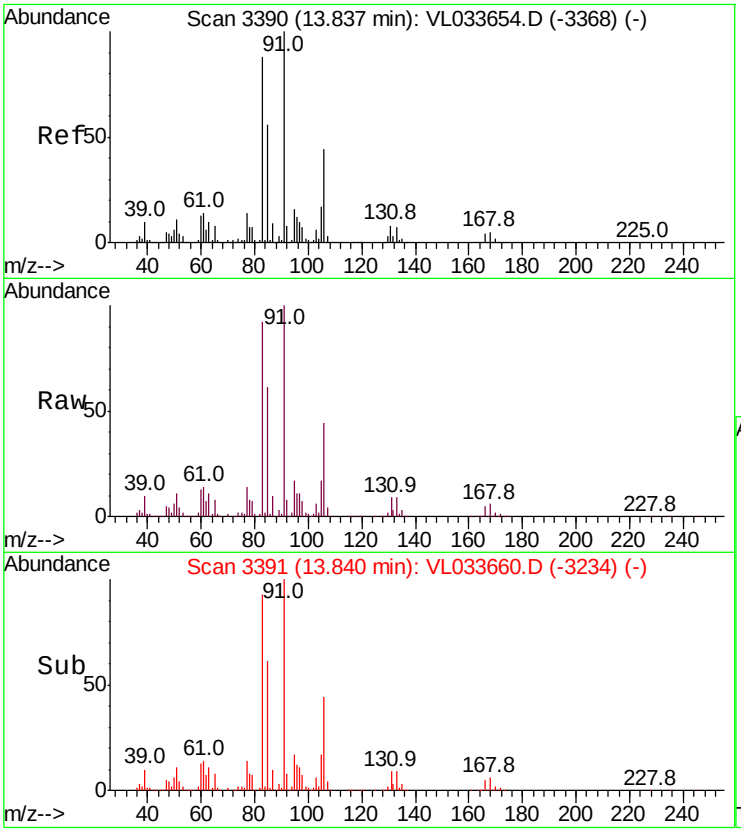


#62
Isopropylbenzene
Concen: 17.868 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:105 Resp: 6796447

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.5	30.7



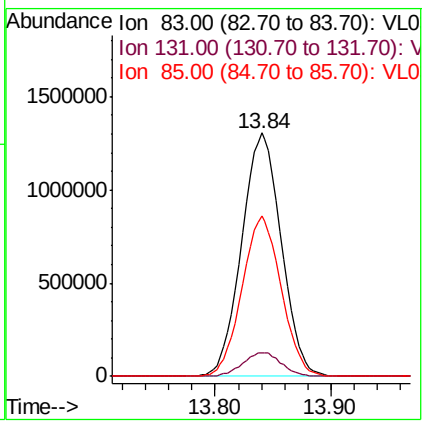


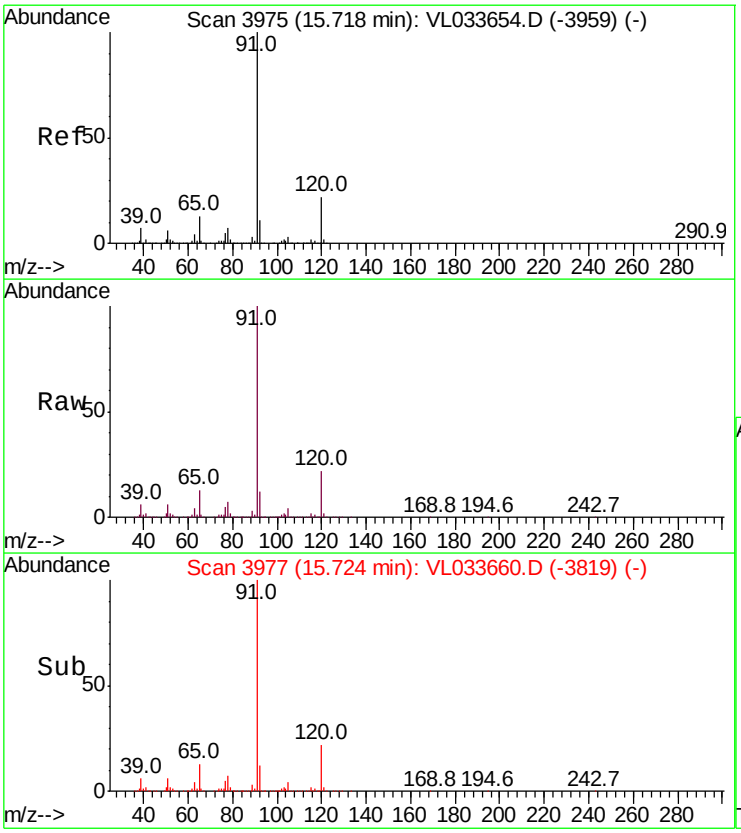
#63
1,1,2,2-Tetrachloroethane
Concen: 14.343 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 3098413

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	65.1	32.5	97.5

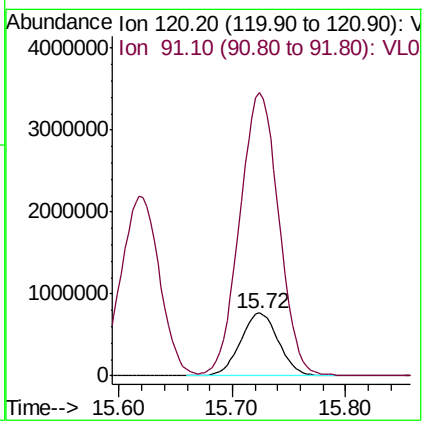


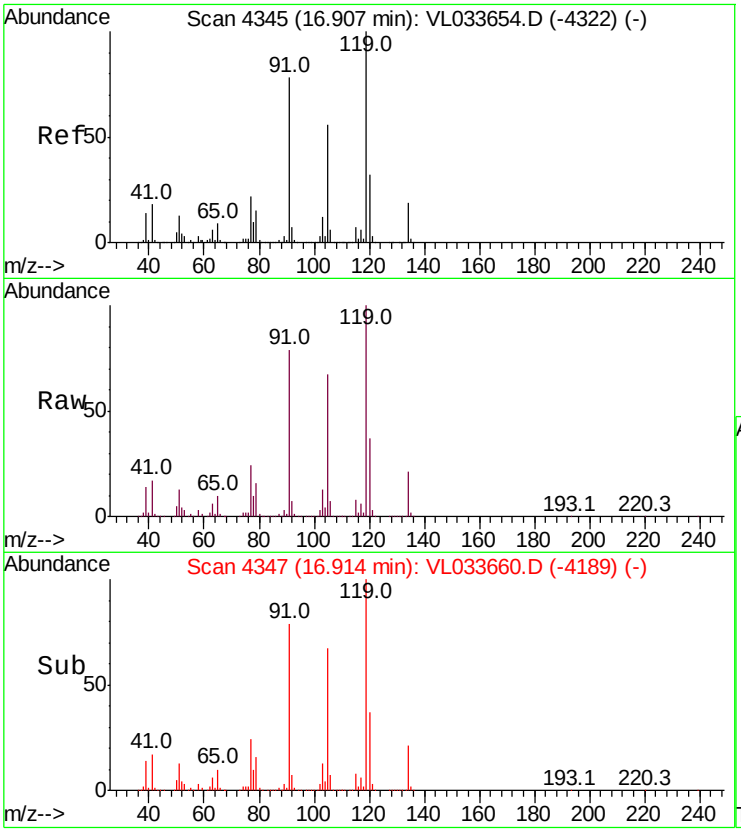


#64
n-propylbenzene
Concen: 18.141 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:120 Resp: 1794725

Ion	Ratio	Lower	Upper
120	100		
91	465.2	379.4	569.2



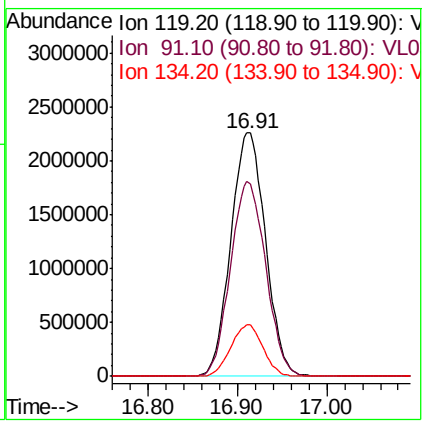


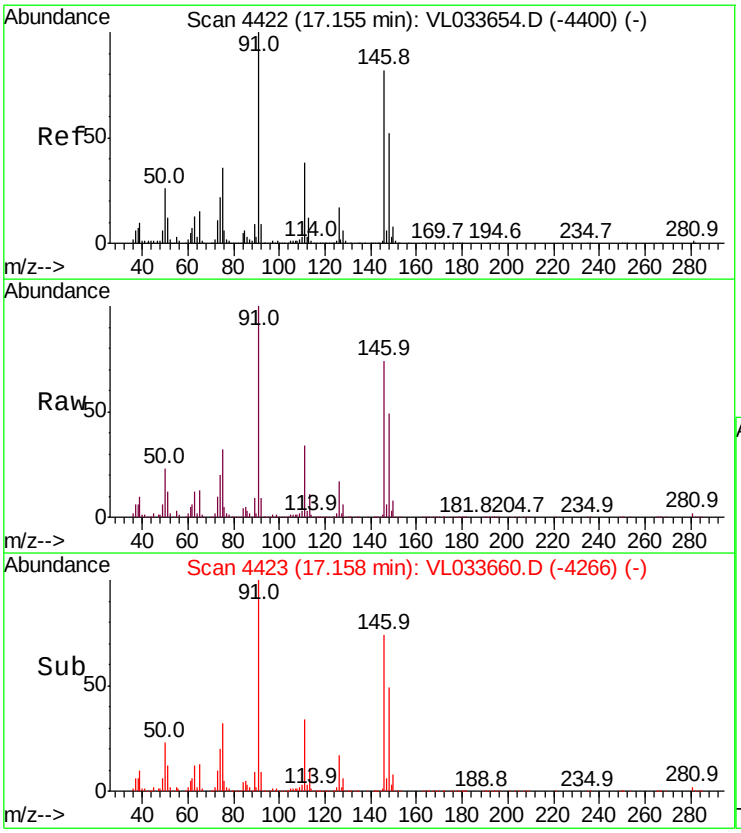
#65
tert-Butylbenzene
Concen: 17.150 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 6106176

Ion	Ratio	Lower	Upper
119	100		
91	81.4	65.9	98.9
134	19.6	15.5	23.3

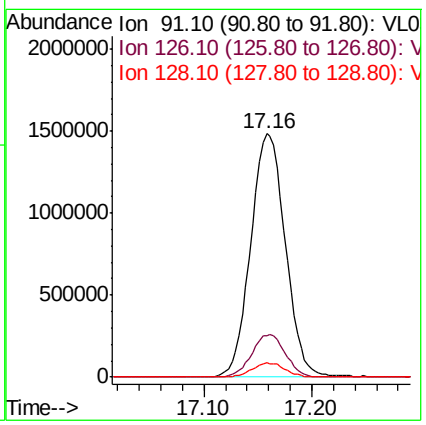


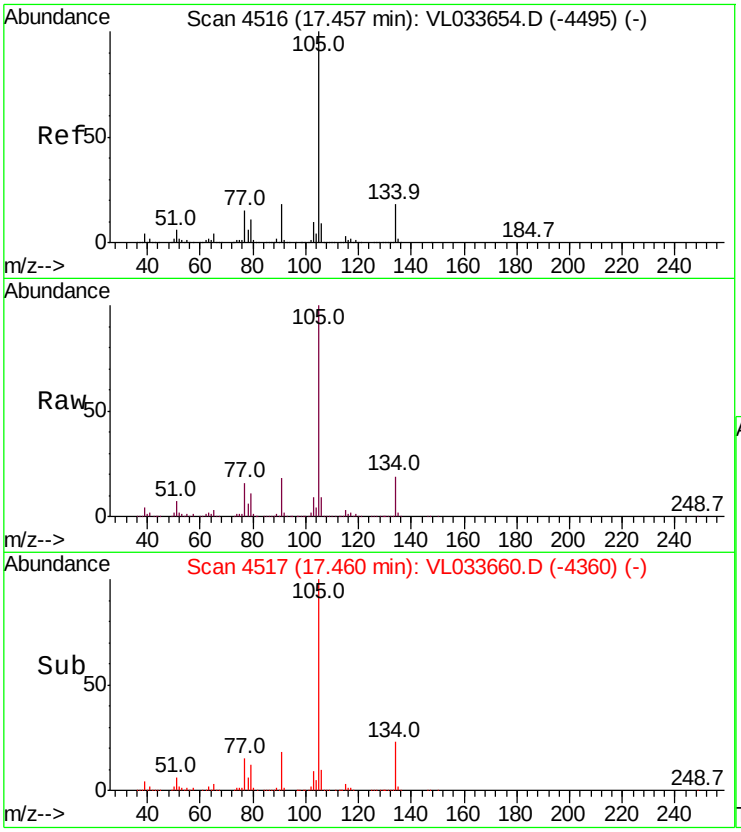


#66
Benzyl Chloride
Concen: 20.134 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 91 Resp: 3305481

Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.4	20.2
128	5.5	4.4	6.6



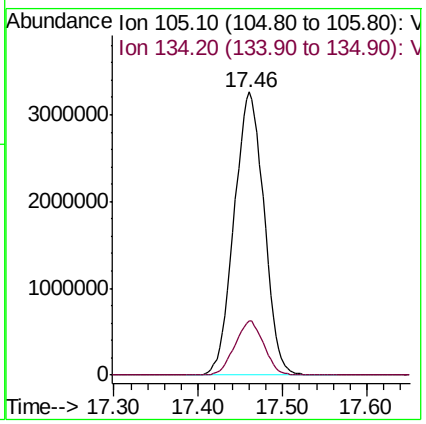


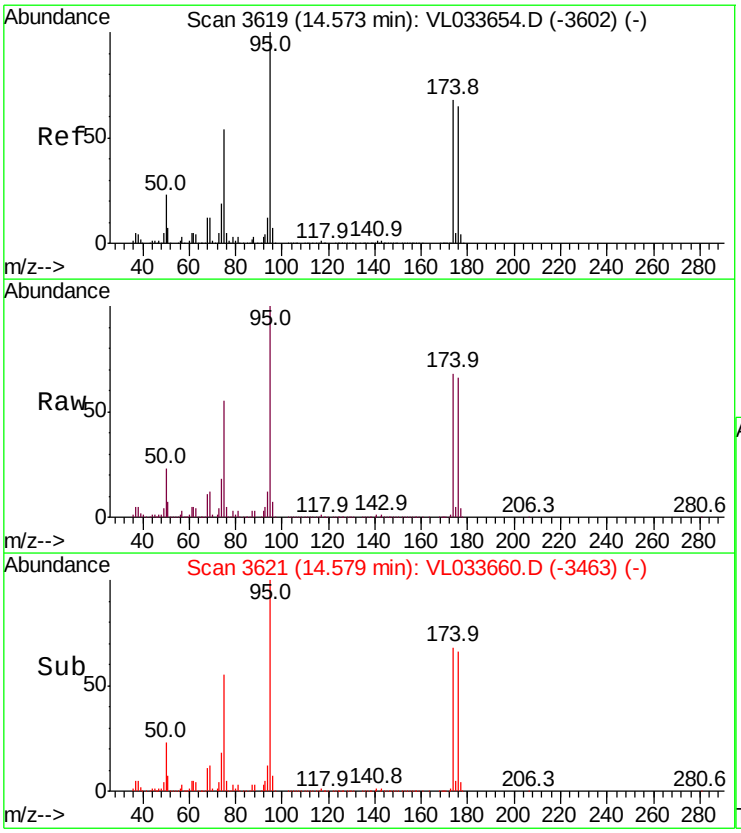
#67
sec-Butylbenzene
Concen: 16.114 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 8044927

Ion	Ratio	Lower	Upper
105	100		
134	18.6	14.6	22.0

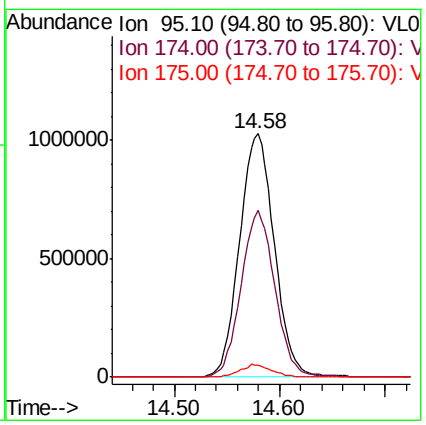


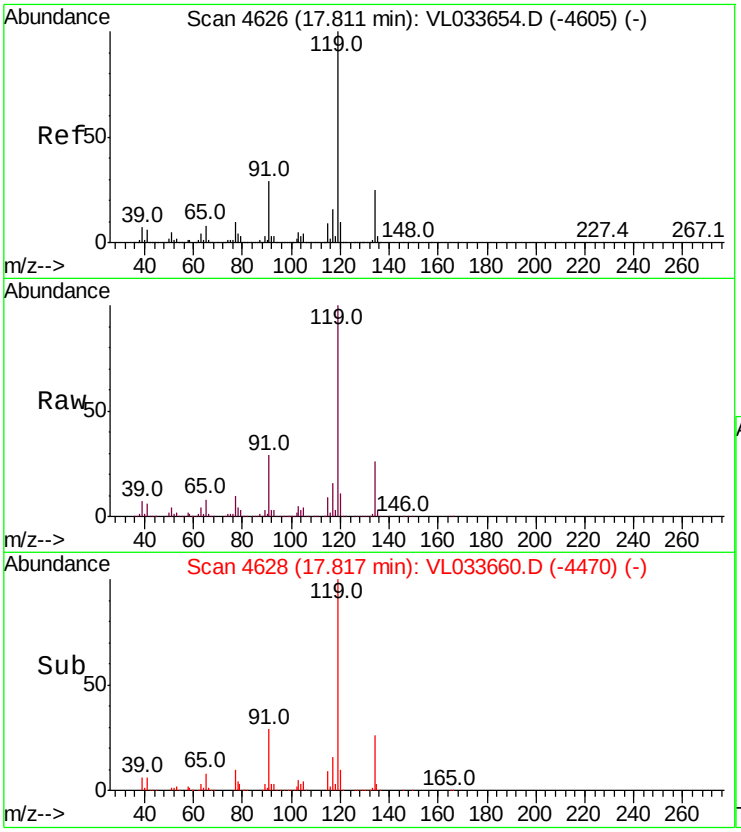


#68
1-Bromo-4-Fluorobenzene
Concen: 11.240 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 95 Resp: 2353522

Ion	Ratio	Lower	Upper
95	100		
174	66.8	54.0	81.0
175	4.8	3.8	5.8



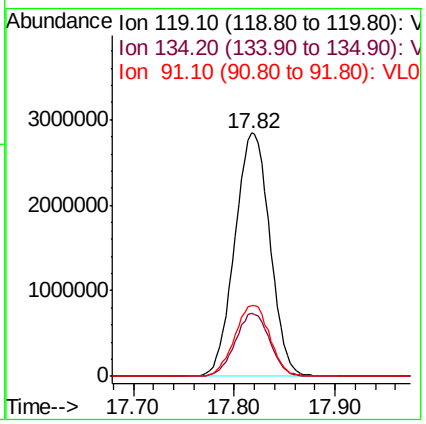


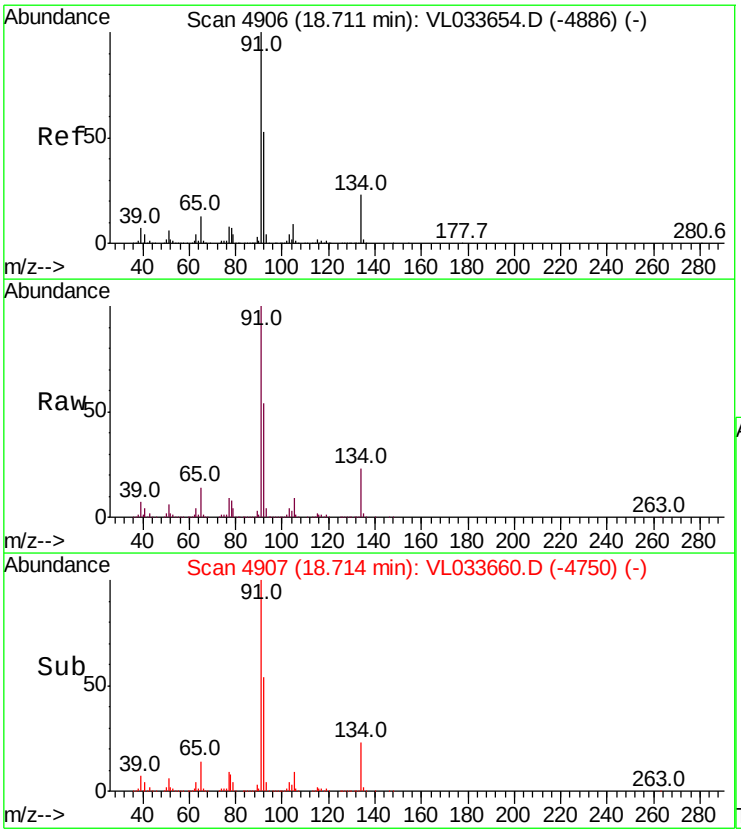
#69
p-Isopropyltoluene
Concen: 16.513 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 6860643

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.2	30.2
91	29.2	23.3	34.9

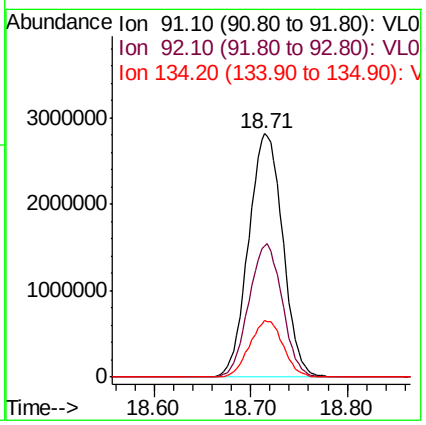


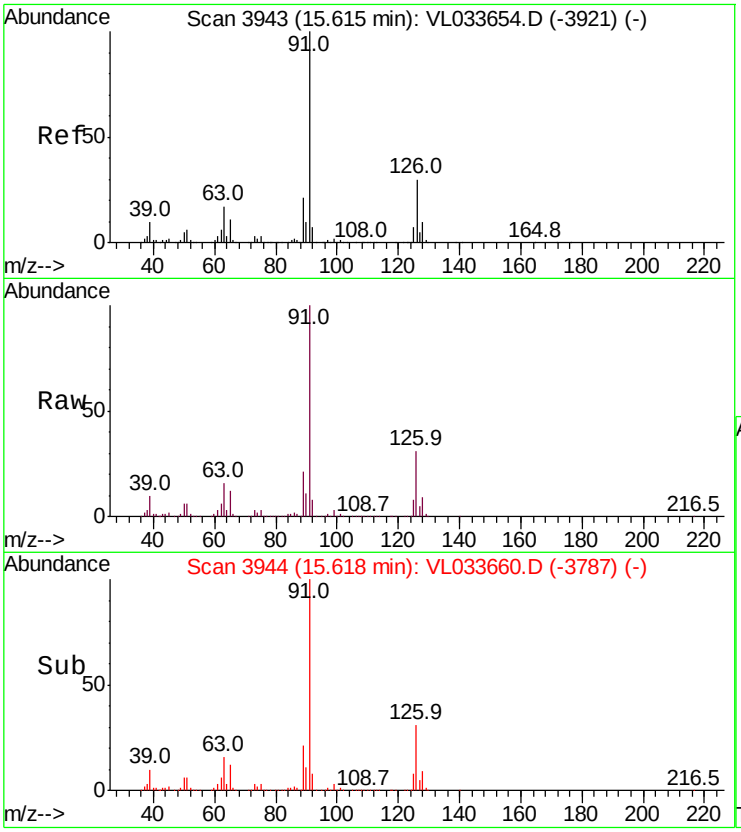


#70
n-Butylbenzene
Concen: 15.228 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion: 91 Resp: 6896167

Ion	Ratio	Lower	Upper
91	100		
92	53.8	42.5	63.7
134	22.8	18.0	27.0



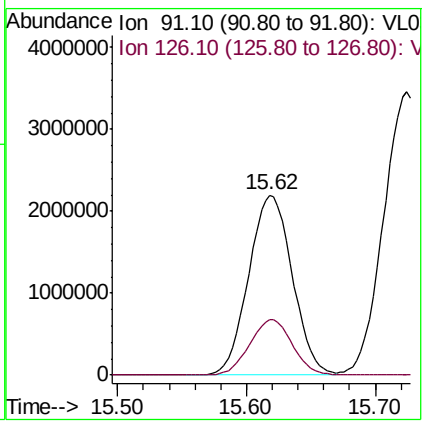


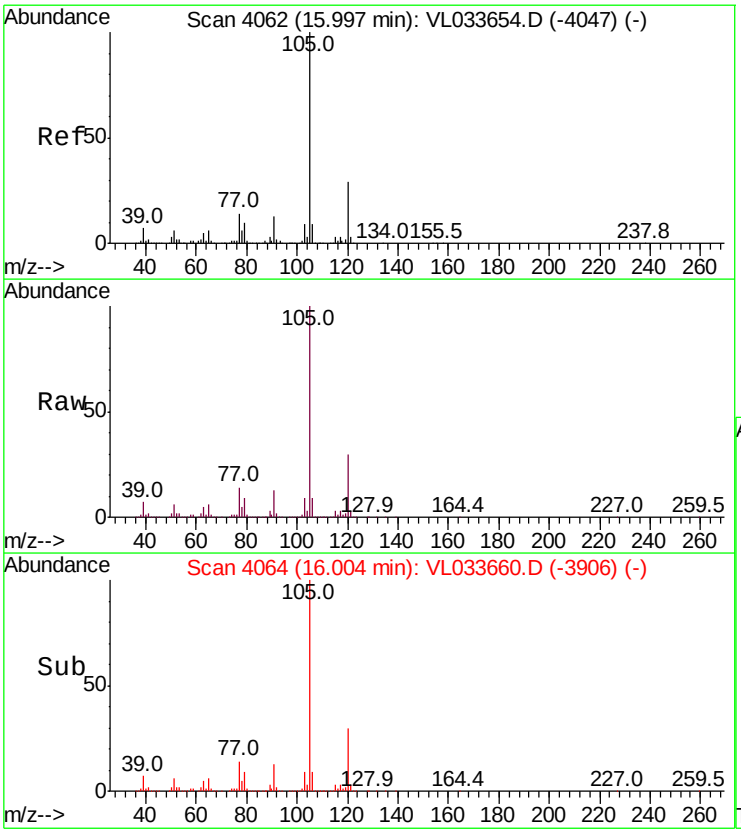
#71
2-Chlorotoluene
Concen: 18.136 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 5177579

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	47.8

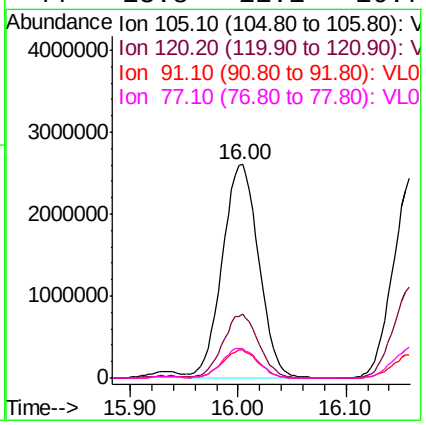


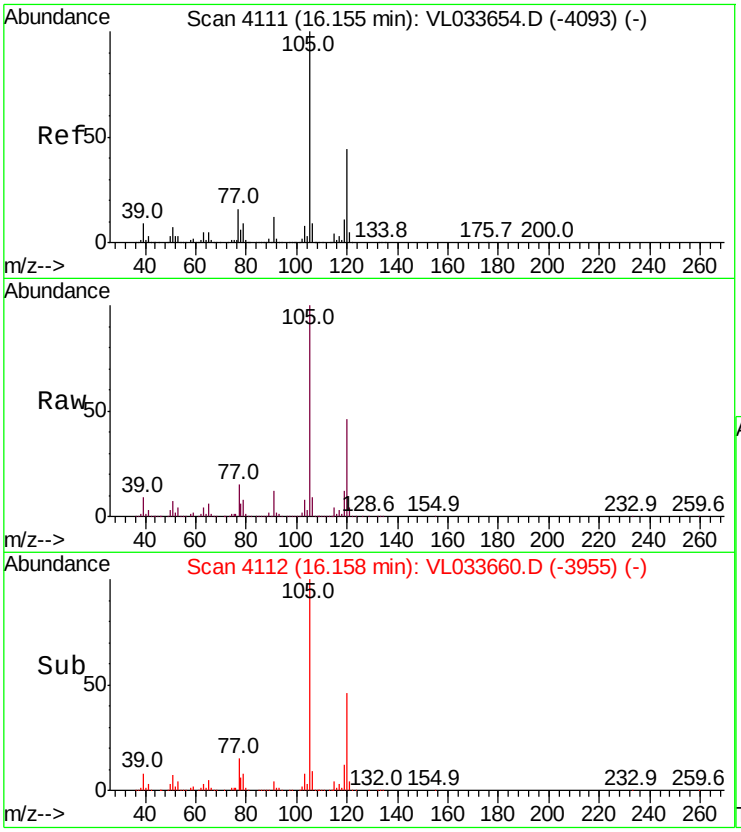


#72
4-Ethyltoluene
Concen: 18.654 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.01 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:105 Resp: 6094442

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.0	34.6
91	13.0	10.6	15.8
77	13.8	11.1	16.7



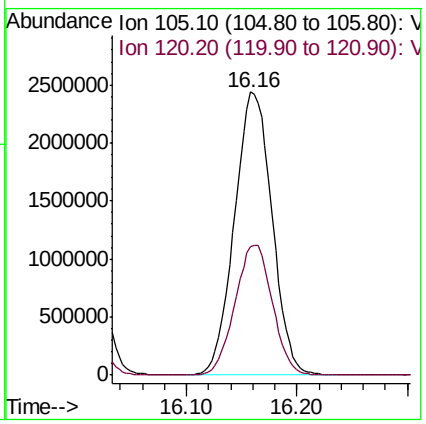


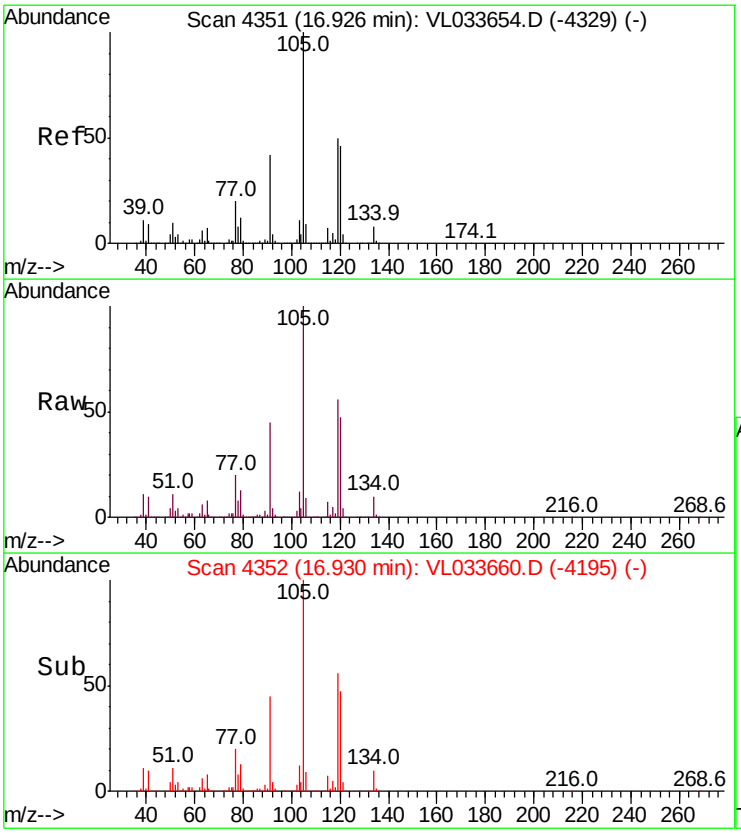
#73
1,3,5-Trimethylbenzene
Concen: 17.962 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 5749815

Ion	Ratio	Lower	Upper
105	100		
120	45.5	35.5	53.3

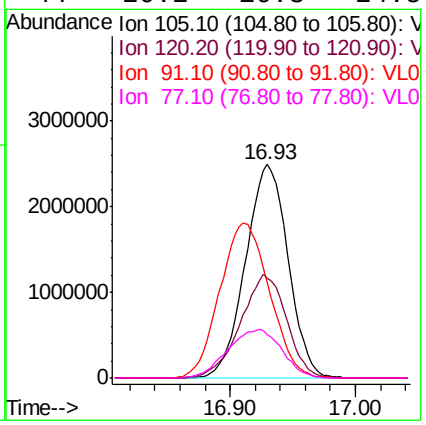


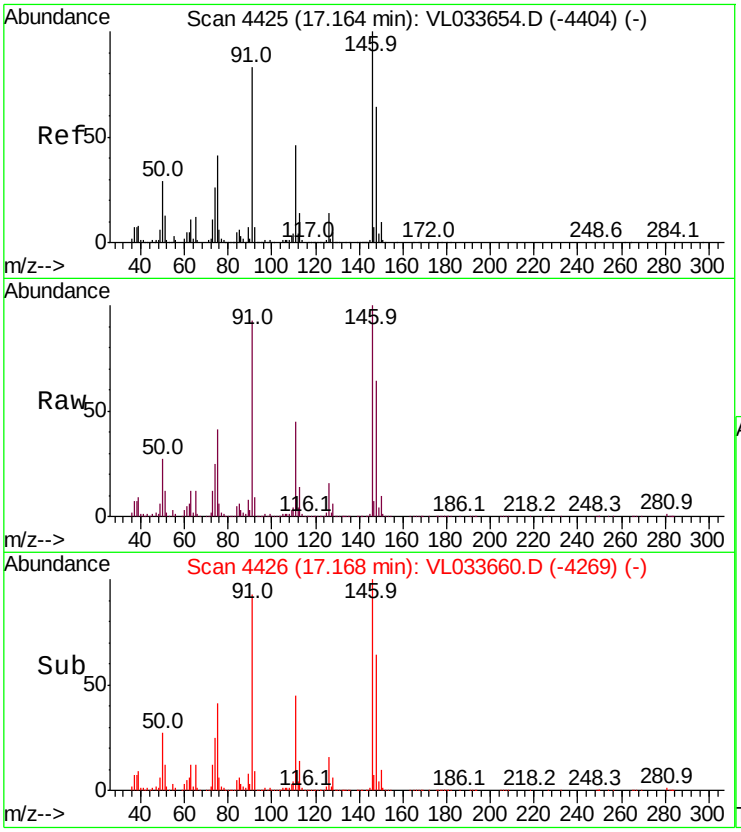


#74
1,2,4-Trimethylbenzene
Concen: 16.542 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:105 Resp: 5872611

Ion	Ratio	Lower	Upper
105	100		
120	46.7	36.5	54.7
91	45.1	33.7	50.5
77	20.2	16.3	24.5



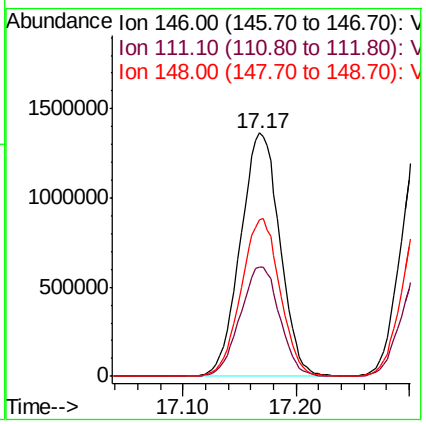


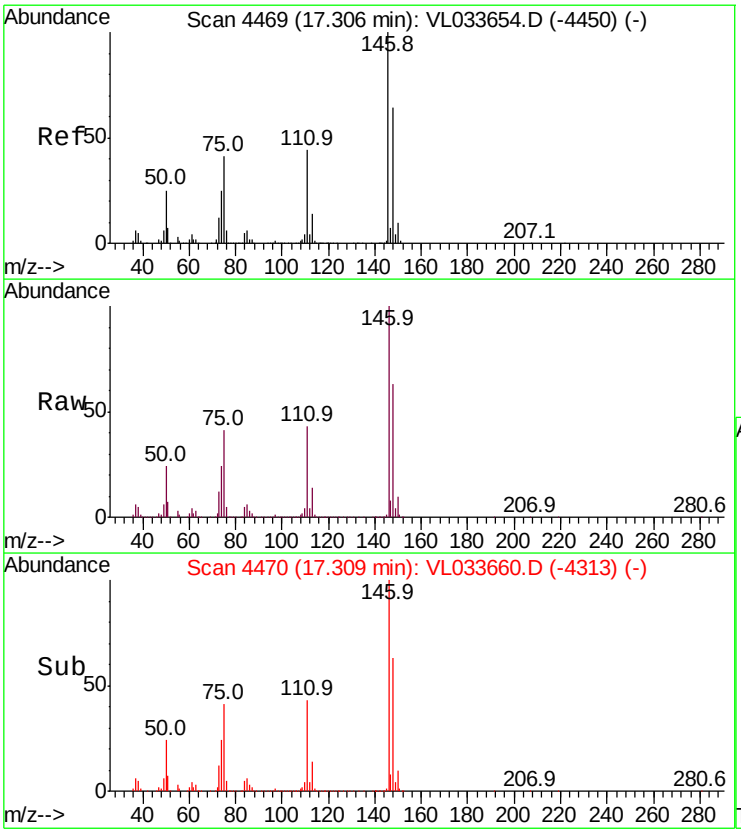
#75
1,3-Dichlorobenzene
Concen: 14.976 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 3298805

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.6	67.7
148	64.2	31.8	95.4

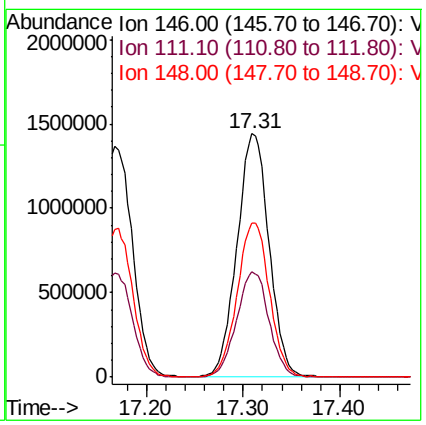


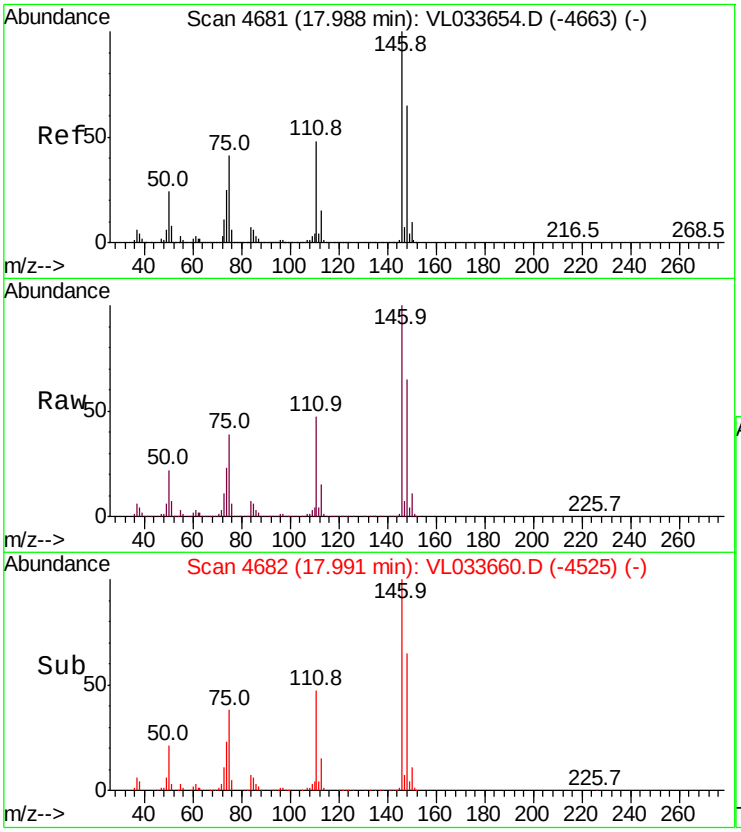


#76
1,4-Dichlorobenzene
Concen: 15.741 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:146 Resp: 3306939

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.7
148	64.0	32.0	96.0



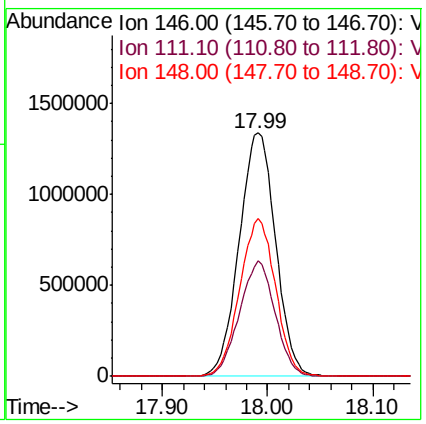


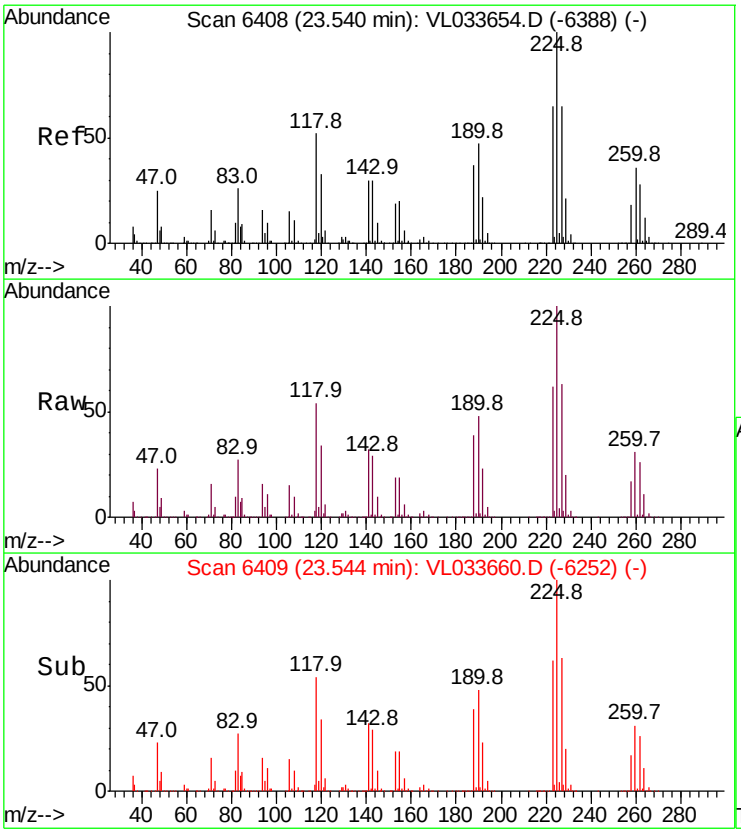
#77
1,2-Dichlorobenzene
Concen: 15.692 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 3218370

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.4	70.0
148	63.8	31.9	95.9

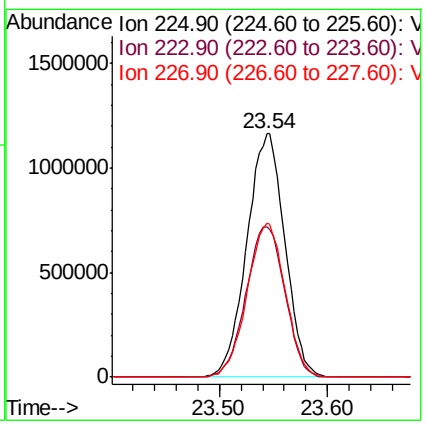


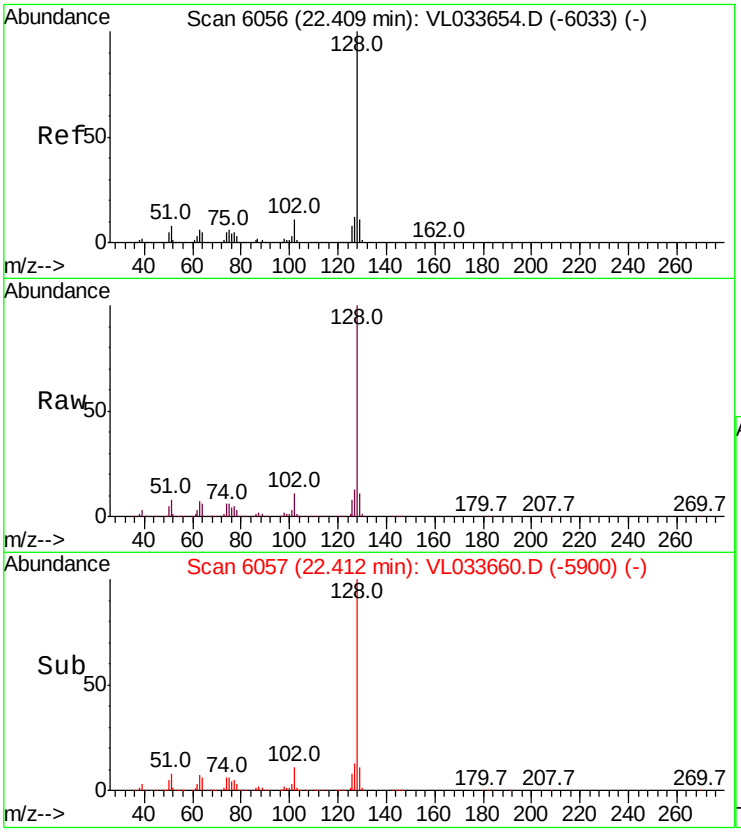


#78
Hexachloro-1,3-Butadiene
Concen: 18.171 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:225 Resp: 2843621

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.7	76.1
227	63.2	51.4	77.2



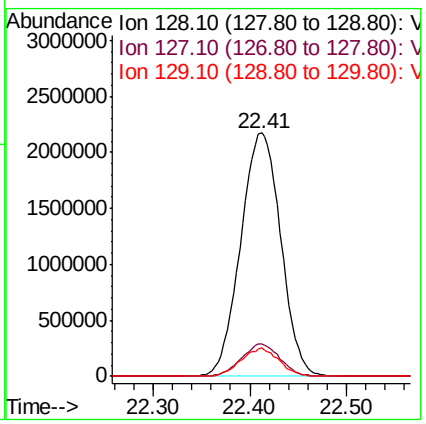


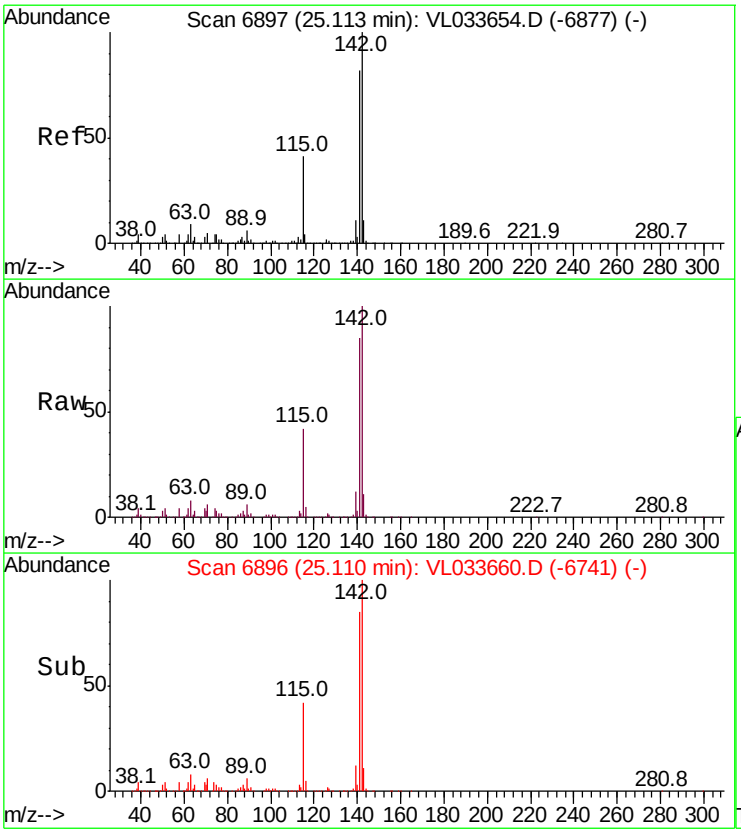
#79
Naphthalene
Concen: 18.838 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 6241473

Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.8	14.8
129	11.5	8.8	13.2

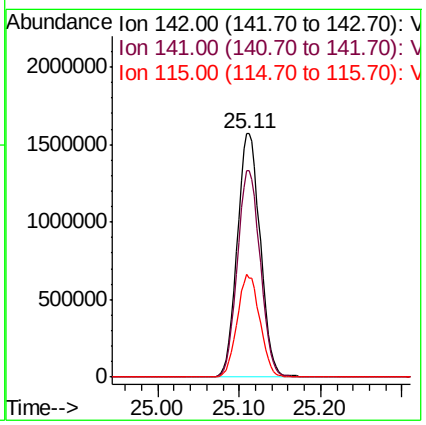


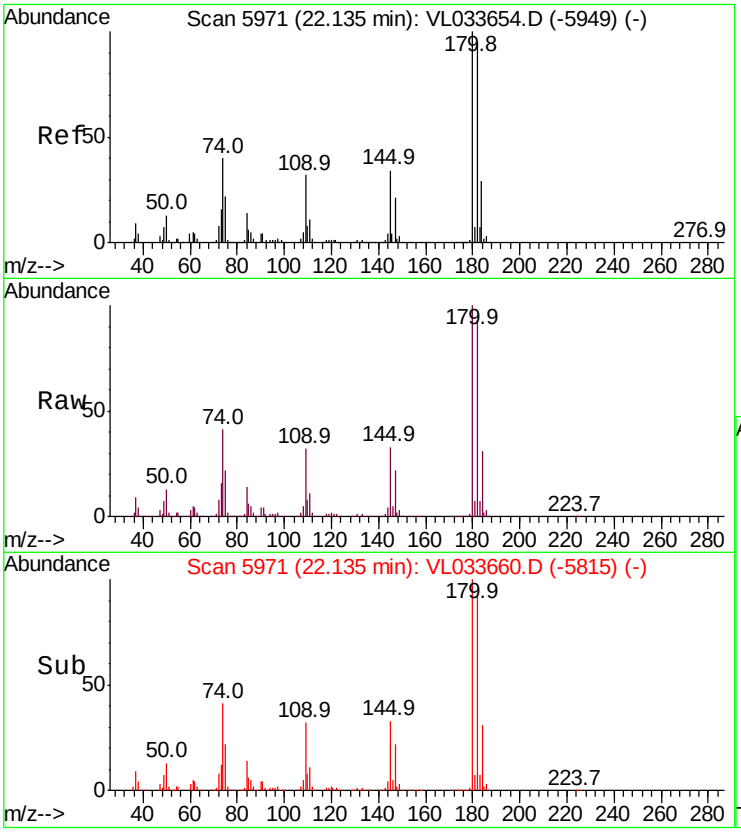


#80
Naphthalene,2-methyl-
Concen: 21.727 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Tgt Ion:142 Resp: 3054839

Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.8	101.8
115	41.7	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 17.524 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. 0.00 min
Lab File: VL033660.D
Acq: 6 May 2019 14:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 3345553

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.4	116.0
184	30.7	24.6	36.8