Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033800.D
Acq On : 28 May 2019 11:08
Operator : SY/AP
Sample : VL0528ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Quant Time: May 29 04:33:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	936501	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2269906	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2396549	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1884821	9.70	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1494241	7.571	ppbv	98
3) Chlorodifluoromethane	3.01	51	991318	9.241	ppbv	100
4) Chloromethane	3.17	50	588807	9.597	ppbv	98
5) Vinyl Chloride	3.29	62	584546	9.353	ppbv	100
6) Bromomethane	3.51	94	366607	9.613	ppbv	93
7) Chloroethane	3.60	64	221837	9.987	ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1508811	9.482	ppbv	100
9) Propene	3.03	41	434298	9.518	ppbv	100
10) Heptane	8.24	43	1223213	9.467	ppbv	99
11) Trichlorofluoromethane	4.00	101	1746196	9.270	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1186075	9.017	ppbv	99
13) Ethanol	3.65	45	97846	6.635	ppbv	99
14) Bromoethene	3.78	108	482070	9.969	ppbv	99
15) Acetone	3.89	43	1090168	8.390	ppbv	99
16) 1,3-Butadiene	3.36	39	514507	9.944	ppbv	99
17) tert-Butyl alcohol	4.35	59	1057944	10.069	ppbv	100
18) 1,1-Dichloroethene	4.35	96	526373	9.481	ppbv	98
19) Isopropyl Alcohol	4.02	45	790022	9.430	ppbv	99
20) Methylene Chloride	4.40	84	444222	8.879	ppbv	97
21) Allyl Chloride	4.47	41	747463	9.223	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	538396	9.461	ppbv	98
23) Vinyl Acetate	5.15	43	1680240	9.808	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1207721	9.274	ppbv	99
25) Ethyl Acetate	5.76	43	2127750	9.322	ppbv	100
26) Hexane	5.77	57	942807	9.608	ppbv	100
27) Carbon Disulfide	4.61	76	1302689	9.677	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1563927	9.777	ppbv	99
29) Chloroform	5.84	83	1616496	8.943	ppbv	97
30) Cyclohexane	7.24	84	805585	9.765	ppbv	100
31) cis-1,2-Dichloroethene	5.63	61	937317	9.634	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1602533	8.879	ppbv	99
34) 2-Butanone	5.32	43	1345609	9.564	ppbv	100
35) Carbon Tetrachloride	7.13	117	1718257	9.450	ppbv	99
36) Benzene	7.00	78	1901753	9.210	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1201475	9.020	ppbv	100
38) Trichloroethene	7.96	130	818667	10.685	ppbv	98
39) 1,2-Dichloropropane	7.73	63	742720	9.648	ppbv	97
40) 1,4-Dioxane	7.95	88	302840	9.404	ppbv #	100
41) Tetrahydrofuran	6.14	42	753805	9.562	ppbv	99
42) Bromodichloromethane	7.91	83	1784216	9.785	ppbv	98
43) Methyl Methacrylate	8.13	69	800797	10.538	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033800.D
Acq On : 28 May 2019 11:08
Operator : SY/AP
Sample : VL0528ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Quant Time: May 29 04:33:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3356409	9.618	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	1026102	10.651	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	1162299	10.304	ppbv		97
47) 1,1,2-Trichloroethane	9.61	97	819194	9.367	ppbv		98
48) Dibromochloromethane	10.44	129	1521527	10.041	ppbv		99
49) Bromoform	13.20	173	1402608	11.001	ppbv		100
50) 4-Methyl-2-Pentanone	8.86	43	2056395	9.502	ppbv		100
51) 2-Hexanone	10.26	43	1708271	10.114	ppbv	#	100
52) Tetrachloroethene	11.36	164	751074	10.348	ppbv		98
53) Toluene	9.94	91	2326266	10.445	ppbv		100
54) 1,2-Dibromoethane	10.75	107	1296408	9.714	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1012473	9.130	ppbv		97
57) Chlorobenzene	12.29	112	1768255	8.964	ppbv		99
58) Ethyl Benzene	12.86	91	3272961	10.313	ppbv		100
59) m/p-Xylene	13.15	91	2510032	9.048	ppbv	#	17
60) o-Xylene	13.84	91	2668888	9.543	ppbv		99
61) Styrene	13.68	104	2006462	10.656	ppbv		100
62) Isopropylbenzene	14.82	105	3719180	9.875	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	994887	4.892	ppbv	#	25
64) n-propylbenzene	15.71	120	975229	10.011	ppbv		99
65) tert-Butylbenzene	16.90	119	3399673	9.887	ppbv		100
66) Benzyl Chloride	17.15	91	1731108	10.570	ppbv		100
67) sec-Butylbenzene	17.45	105	4771979	9.915	ppbv		100
69) p-Isopropyltoluene	17.81	119	3977132	9.998	ppbv		100
70) n-Butylbenzene	18.71	91	4179541	9.798	ppbv		100
71) 2-Chlorotoluene	15.61	91	2852677	10.209	ppbv		100
72) 4-Ethyltoluene	15.99	105	3389616	10.601	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	3330543	10.675	ppbv		97
74) 1,2,4-Trimethylbenzene	16.92	105	3282067	9.666	ppbv		99
75) 1,3-Dichlorobenzene	17.16	146	1925515	9.255	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	1897905	9.598	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	1843829	9.431	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	1062122	7.186	ppbv		99
79) Naphthalene	22.40	128	2470499	7.834	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	647705	5.405	ppbv		95
81) 1,2,4-Trichlorobenzene	22.13	180	1449771	7.851	ppbv		100

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

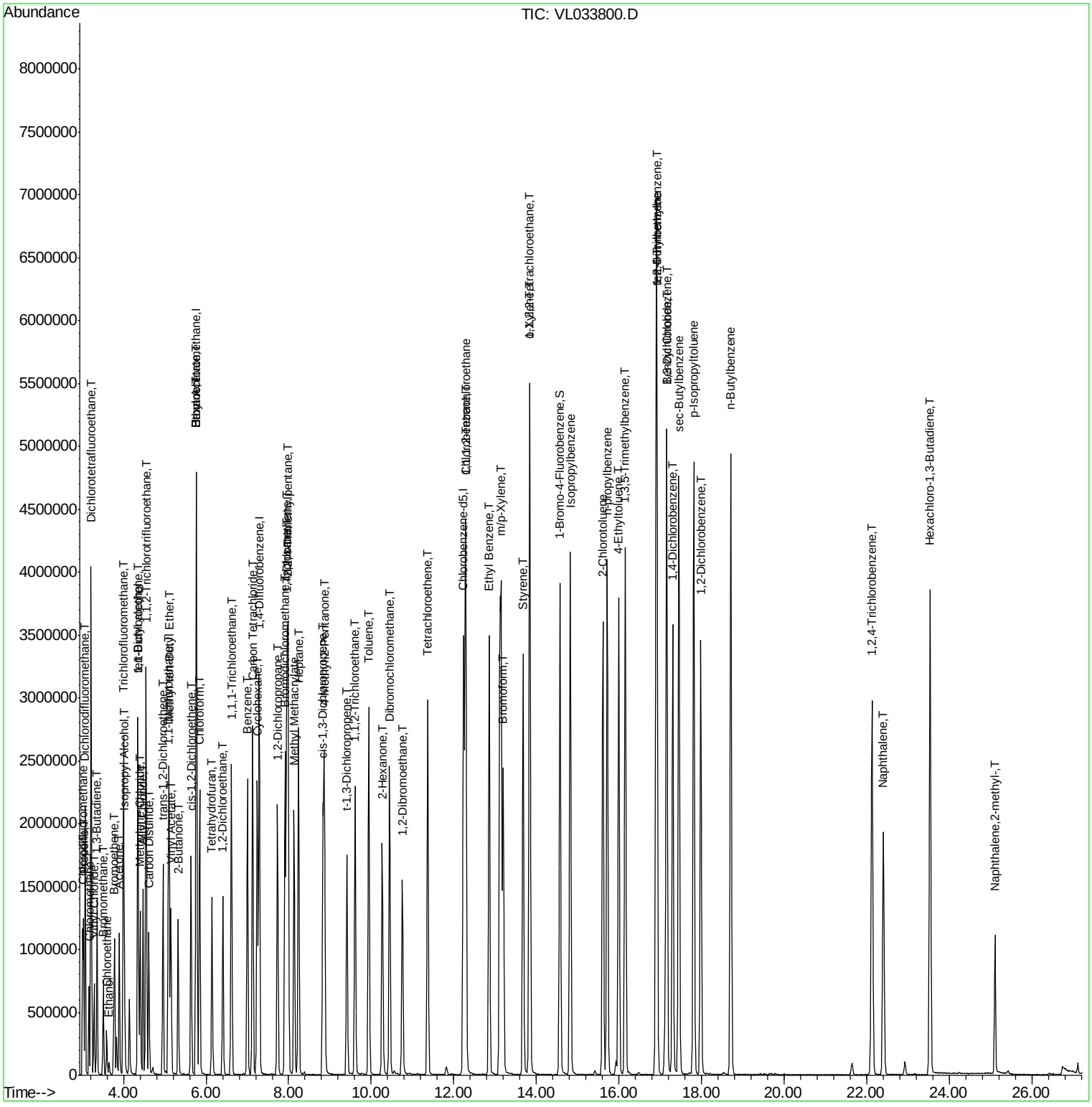
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

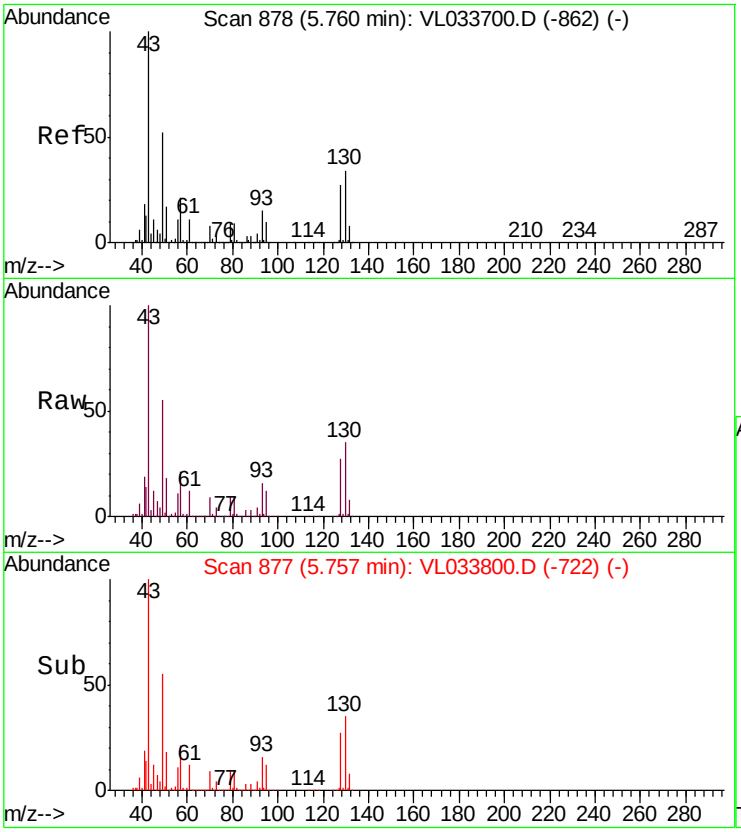
Quantitation Report (Not Reviewed)

Data File : VL033800.D
Acq On : 28 May 2019 11:08
Operator : SY/AP
Sample : VL0528ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Quant Time: May 29 04:33:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



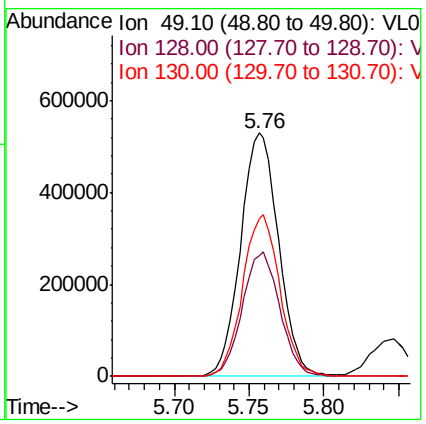


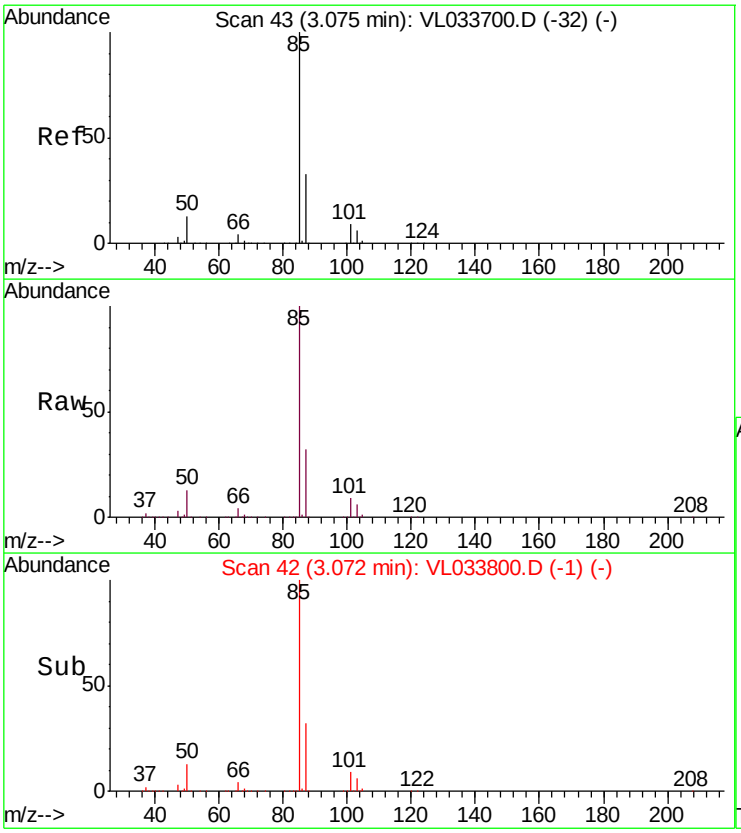
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 49 Resp: 936501

Ion	Ratio	Lower	Upper
49	100		
128	50.7	25.2	75.6
130	65.4	32.5	97.5

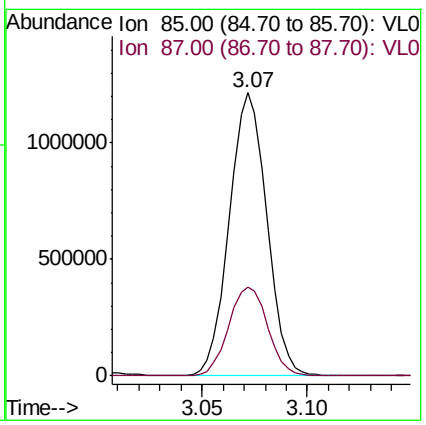


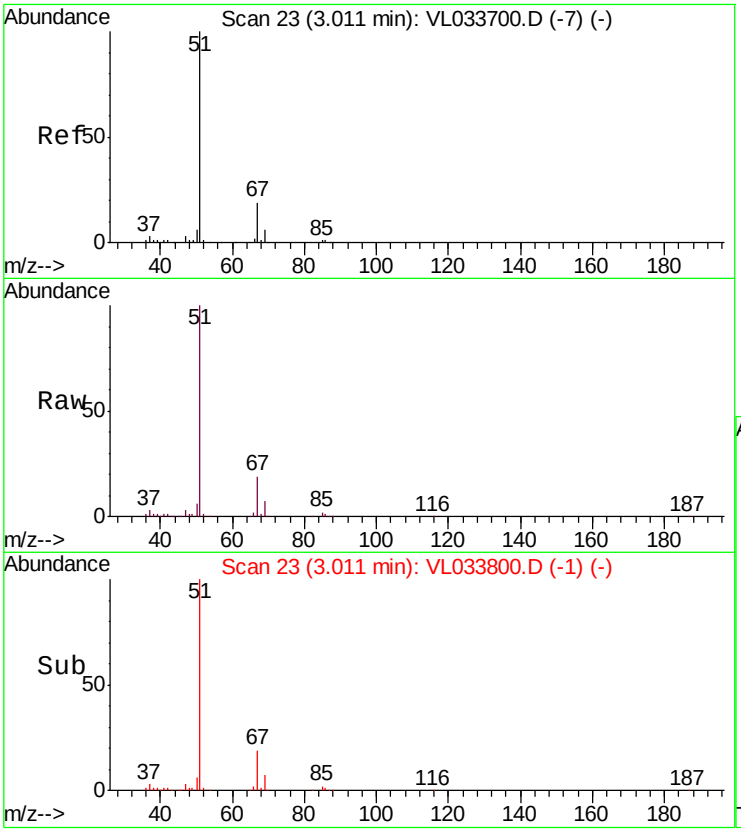


#2
Dichlorodifluoromethane
Concen: 7.571 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 85 Resp: 1494241

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.3	39.5



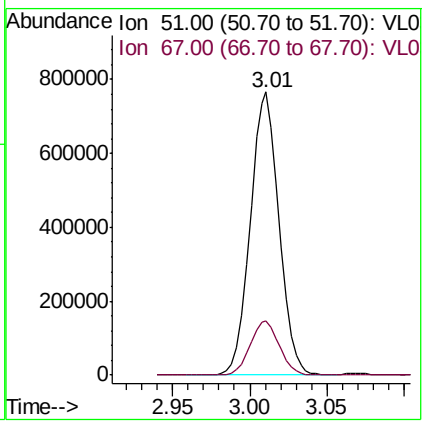


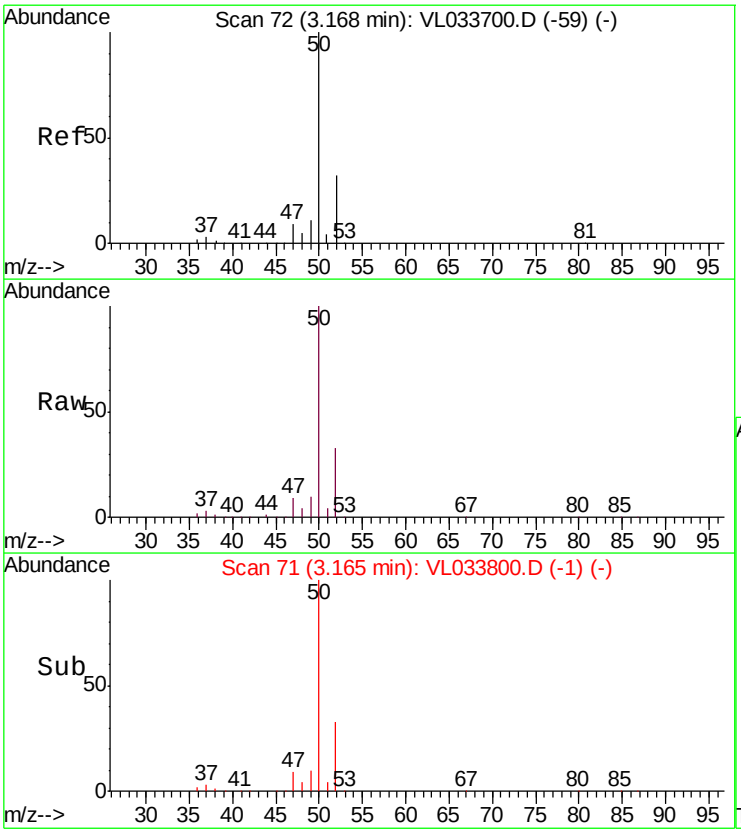
#3
Chlorodifluoromethane
Concen: 9.241 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 51 Resp: 991318

Ion	Ratio	Lower	Upper
51	100		
67	19.4	15.6	23.4

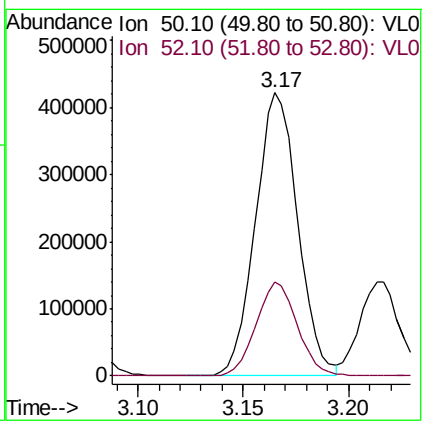


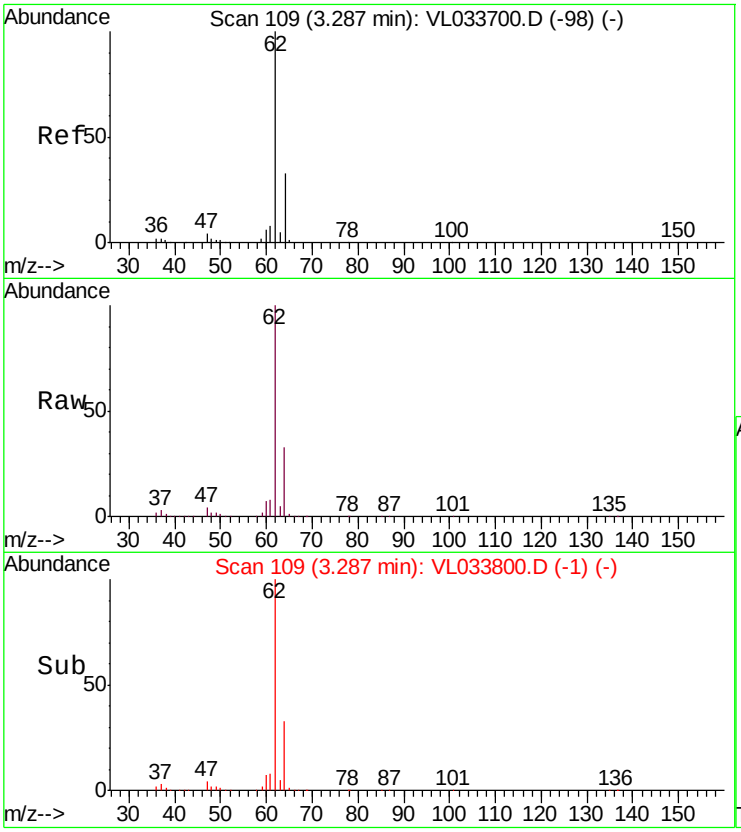


#4
Chloromethane
Concen: 9.597 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 50 Resp: 588807

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.7	38.5



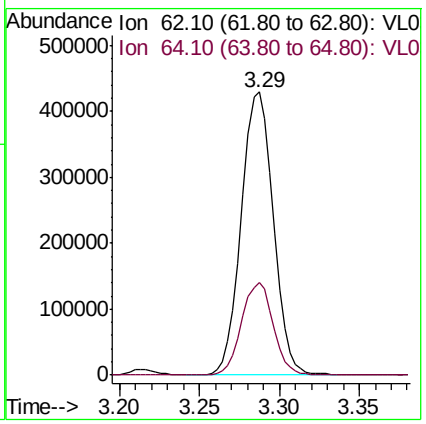


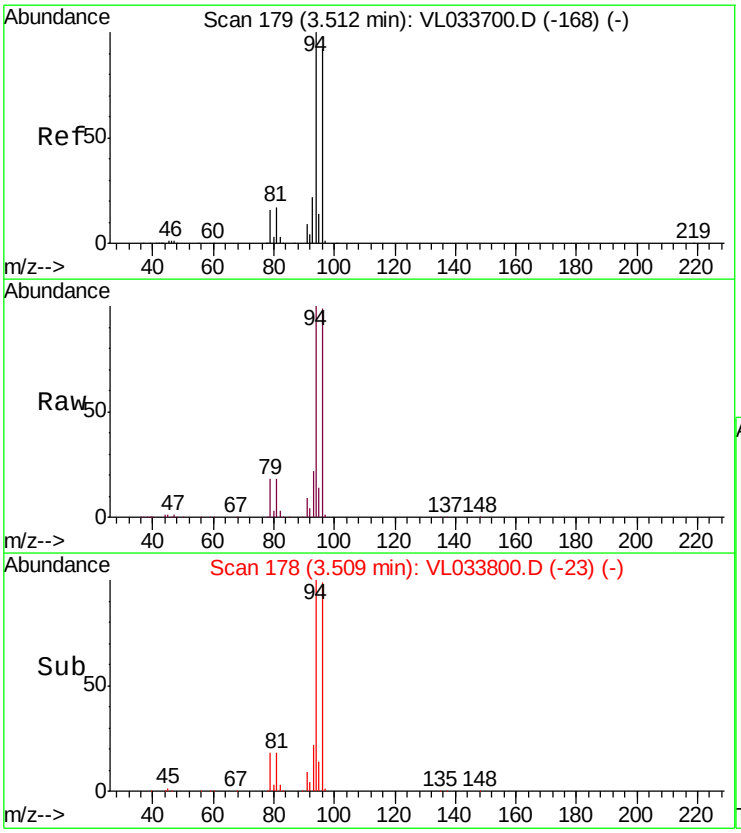
#5
Vinyl Chloride
Concen: 9.353 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 62 Resp: 584546

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.4	39.6

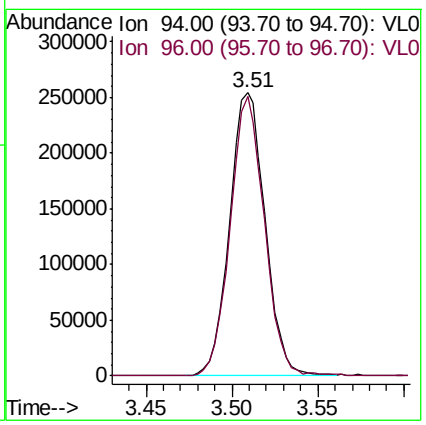


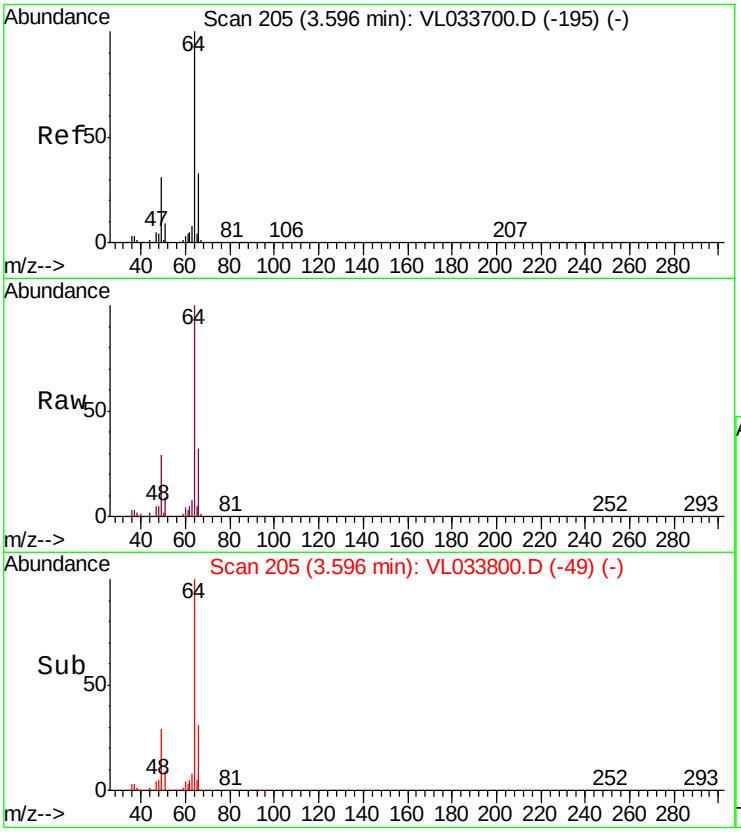


#6
Bromomethane
Concen: 9.613 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 94 Resp: 366607

Ion	Ratio	Lower	Upper
94	100		
96	98.7	73.6	110.4



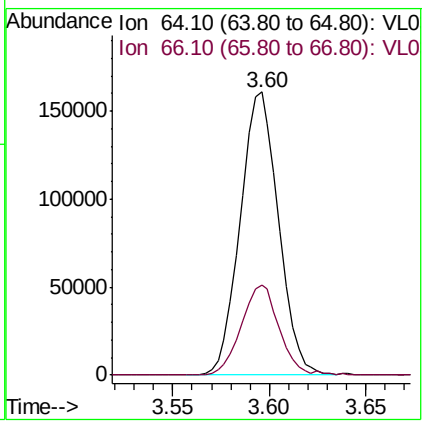


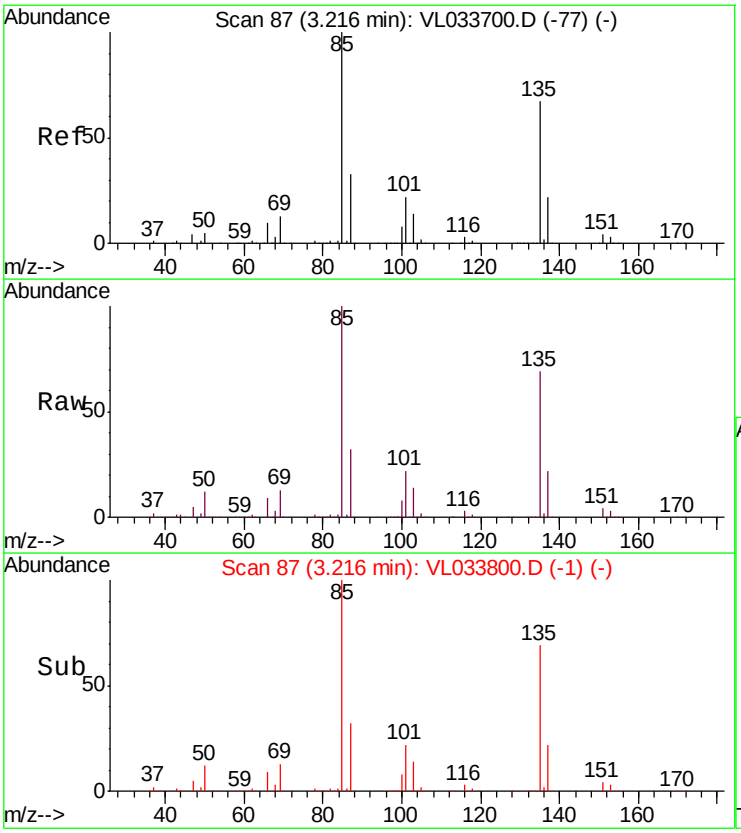
#7
Chloroethane
Concen: 9.987 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 64 Resp: 221837

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.6	40.0

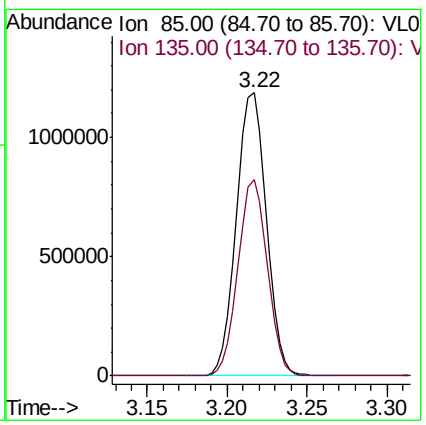


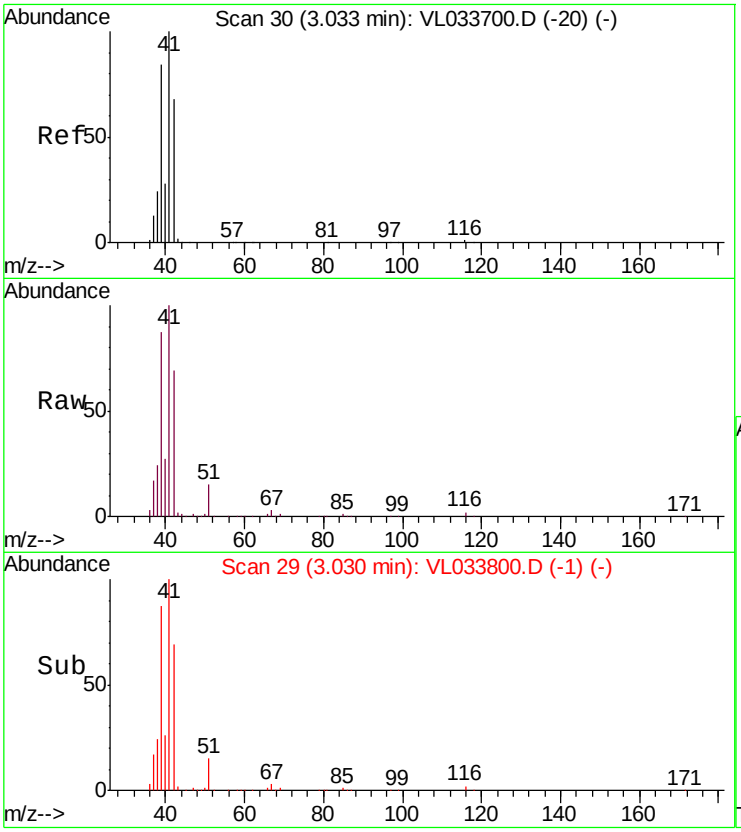


#8
Dichlorotetrafluoroethane
Concen: 9.482 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 85 Resp: 1508811

Ion	Ratio	Lower	Upper
85	100		
135	68.1	54.5	81.7



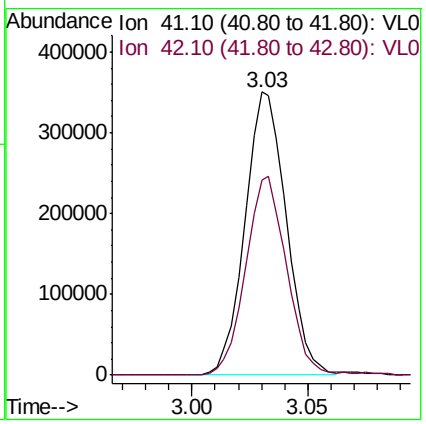


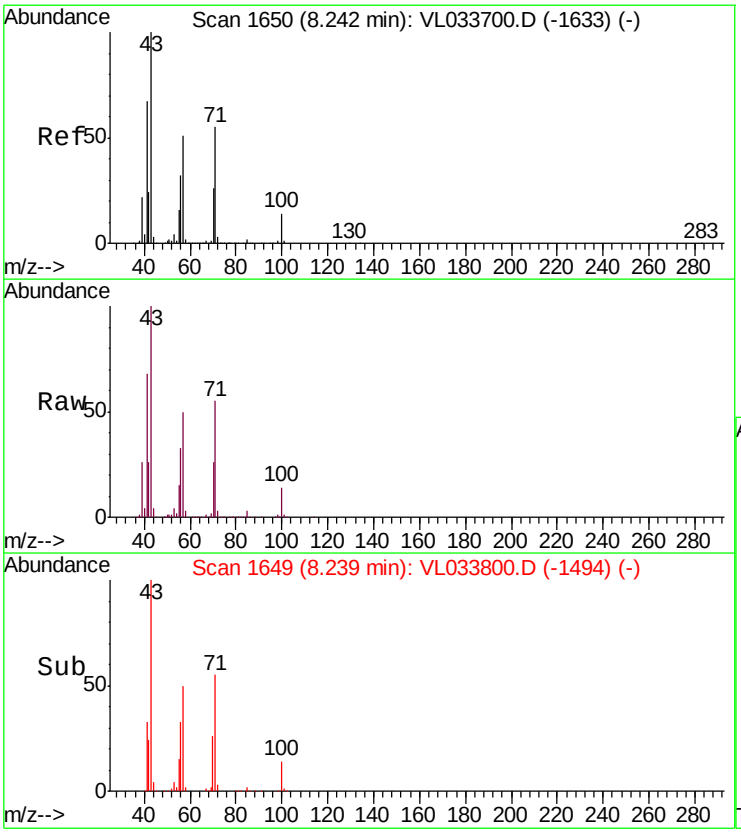
#9
Propene
Concen: 9.518 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 41 Resp: 434298

Ion	Ratio	Lower	Upper
41	100		
42	70.3	56.1	84.1

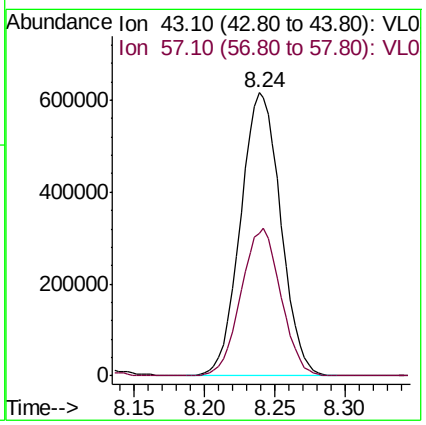


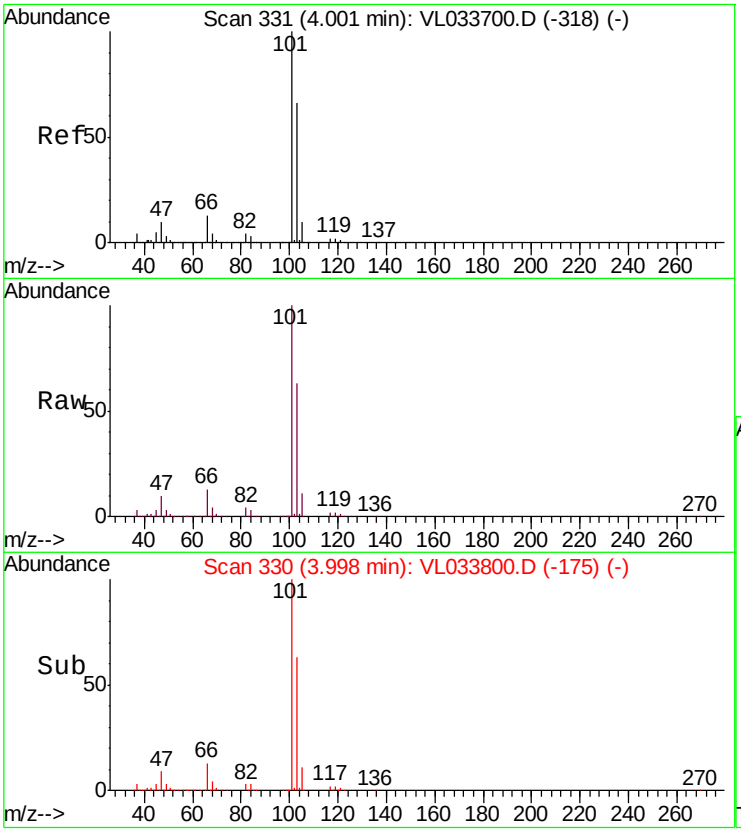


#10
Heptane
Concen: 9.467 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 43 Resp: 1223213

Ion	Ratio	Lower	Upper
43	100		
57	52.1	41.4	62.0



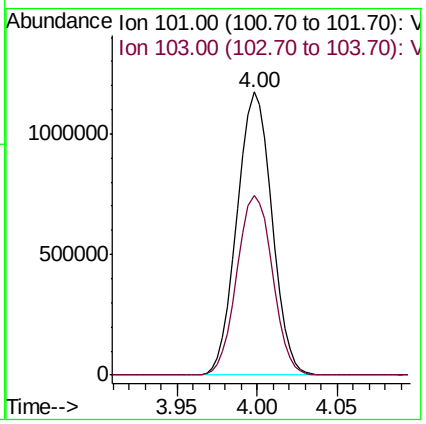


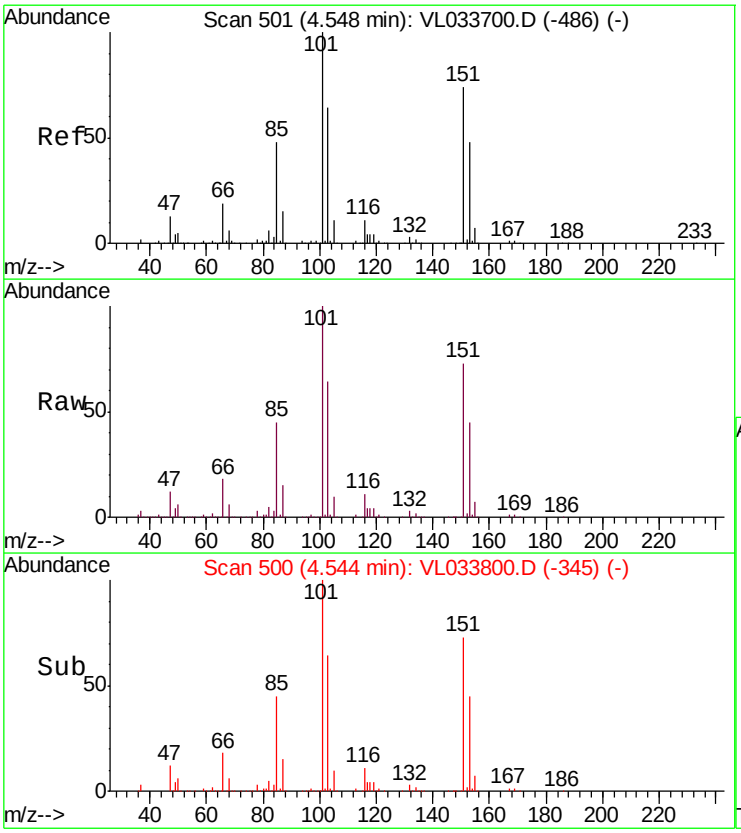
#11
Trichlorofluoromethane
Concen: 9.270 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:101 Resp: 1746196

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.6	78.8

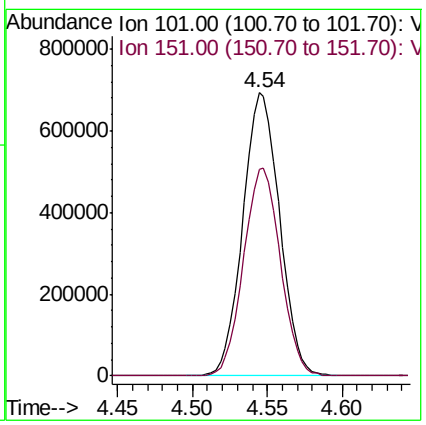


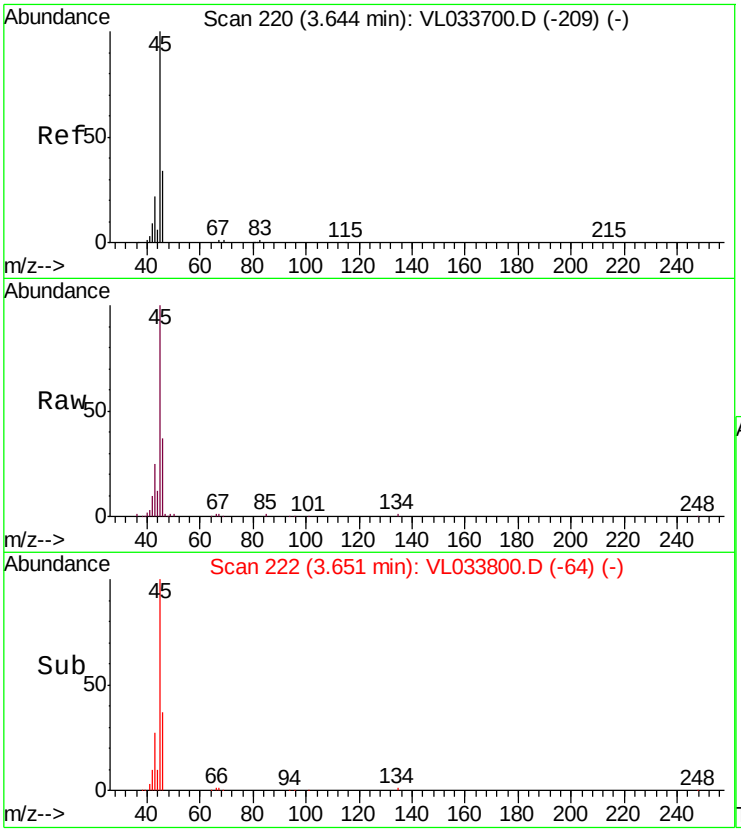


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.017 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:101 Resp: 1186075

Ion	Ratio	Lower	Upper
101	100		
151	73.8	58.2	87.4



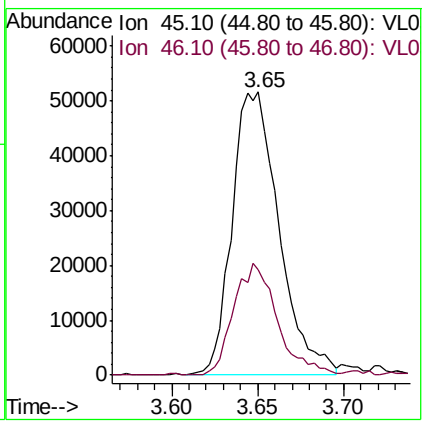


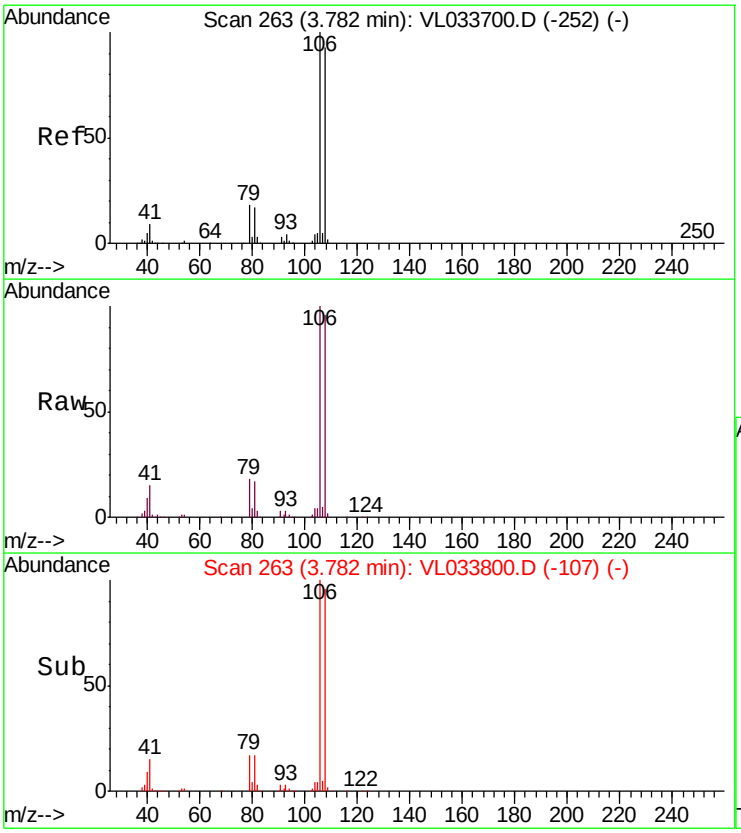
#13
Ethanol
Concen: 6.635 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 45 Resp: 97846

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.8	59.0

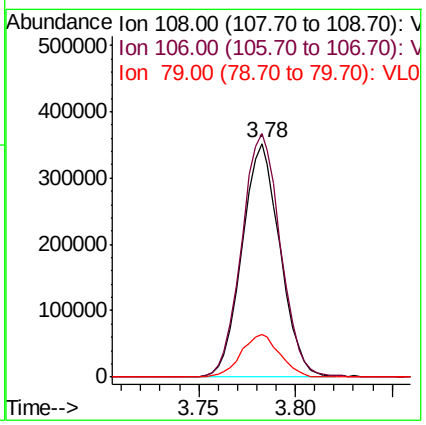


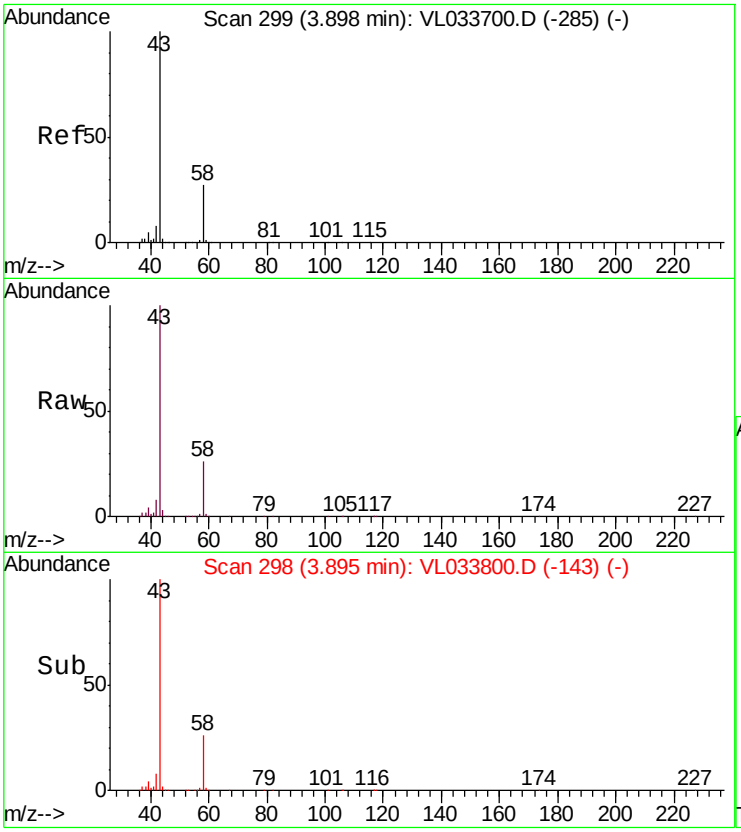


#14
Bromoethene
Concen: 9.969 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:108 Resp: 482070

Ion	Ratio	Lower	Upper
108	100		
106	107.5	86.5	129.7
79	18.7	15.1	22.7



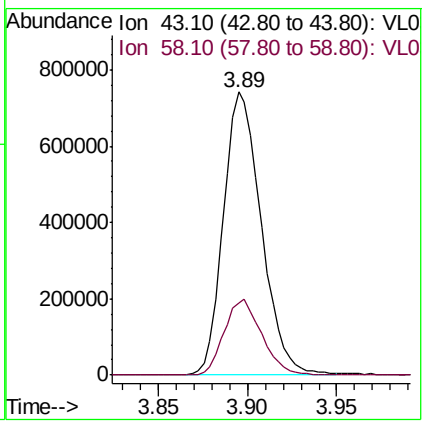


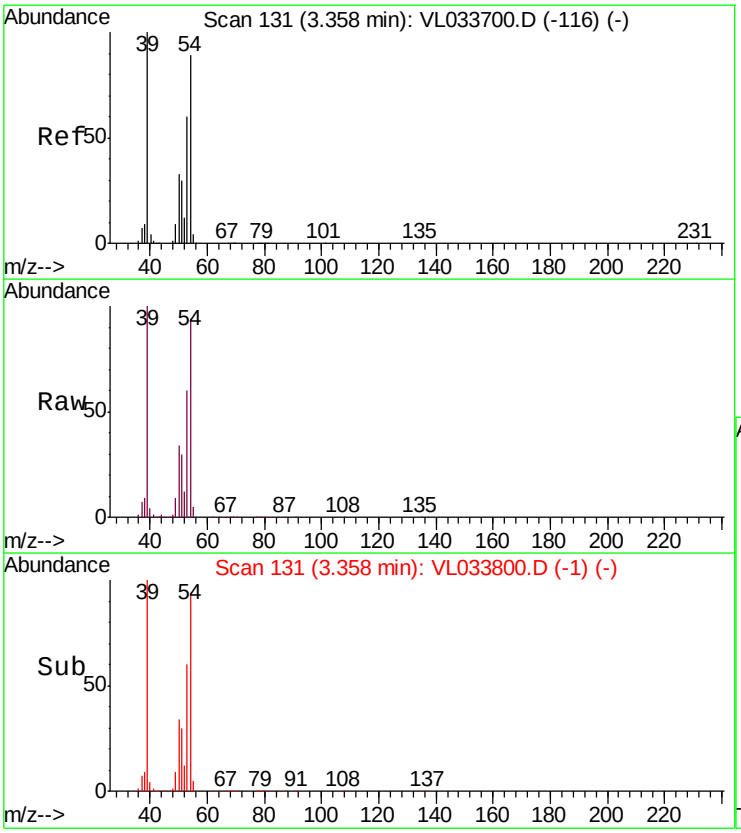
#15
Acetone
Concen: 8.390 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 43 Resp: 1090168

Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.3	31.9

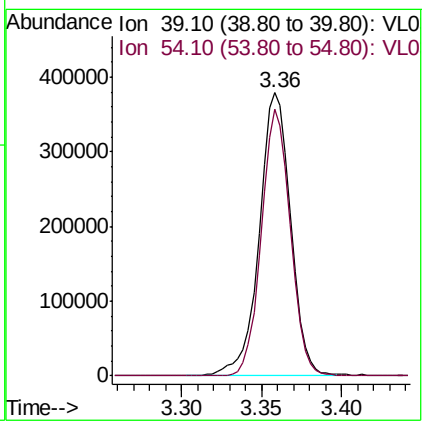


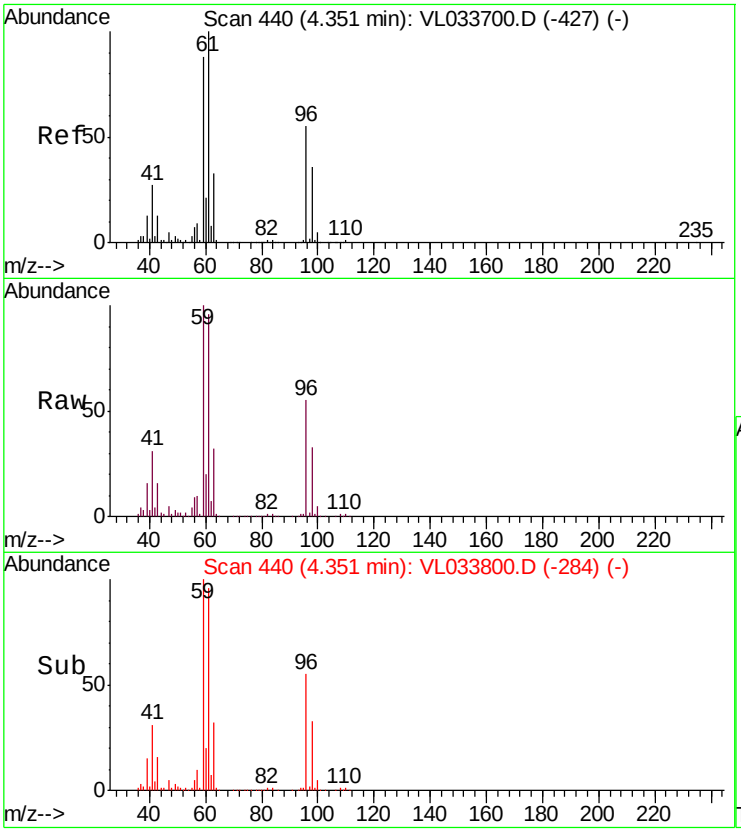


#16
1,3-Butadiene
Concen: 9.944 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 39 Resp: 514507

Ion	Ratio	Lower	Upper
39	100		
54	87.7	69.0	103.6



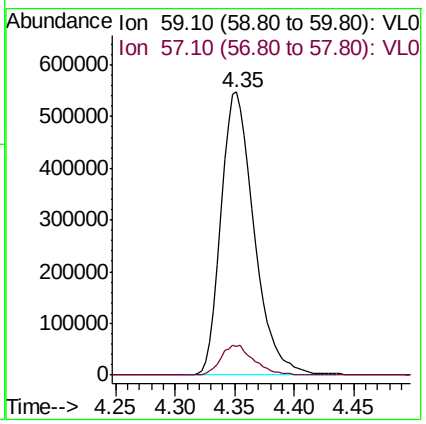


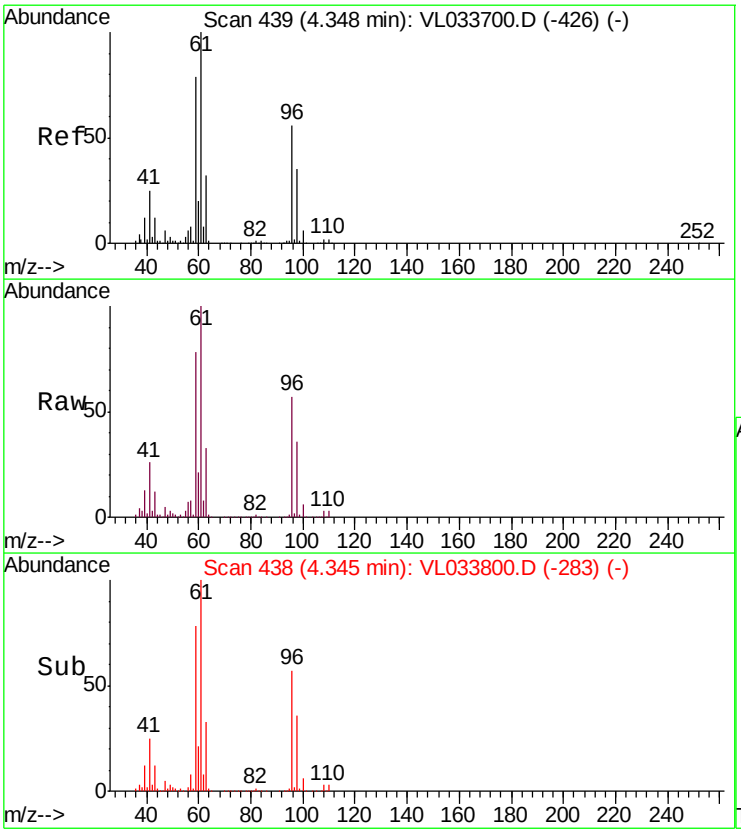
#17
tert-Butyl alcohol
Concen: 10.069 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 59 Resp: 1057944

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

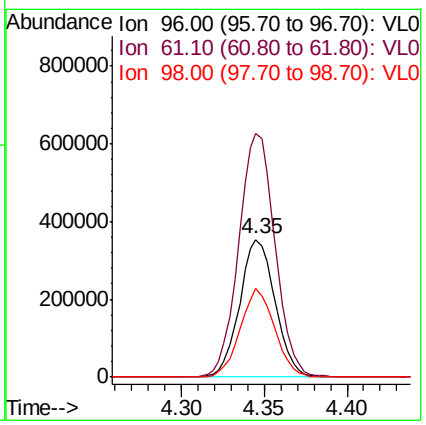


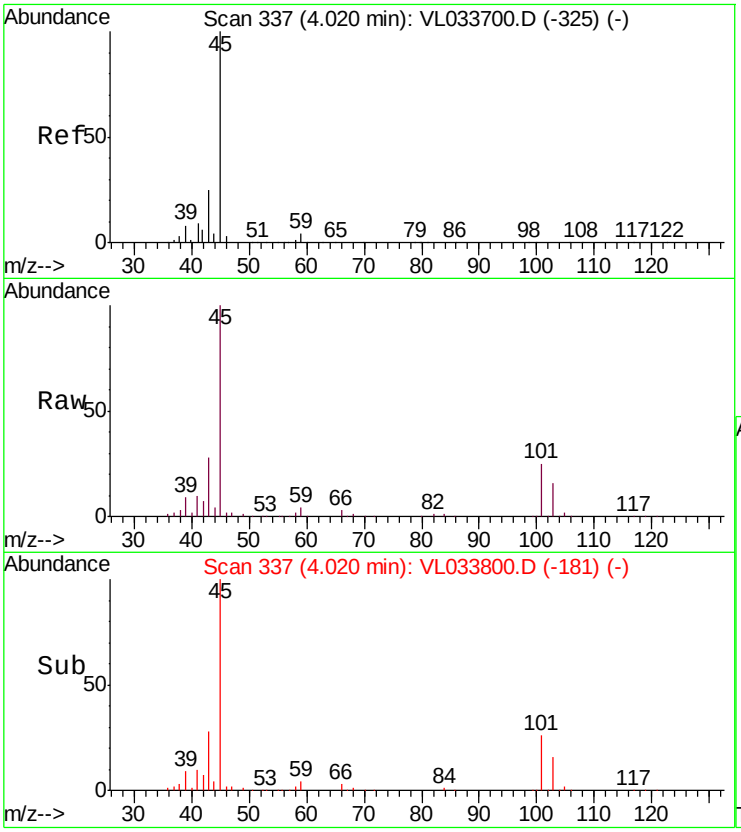


#18
1,1-Dichloroethene
Concen: 9.481 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 96 Resp: 526373

Ion	Ratio	Lower	Upper
96	100		
61	176.5	143.1	214.7
98	64.1	49.5	74.3



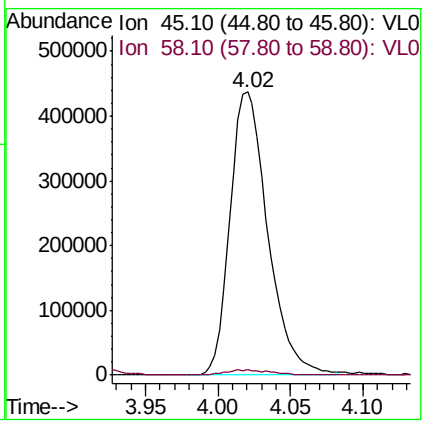


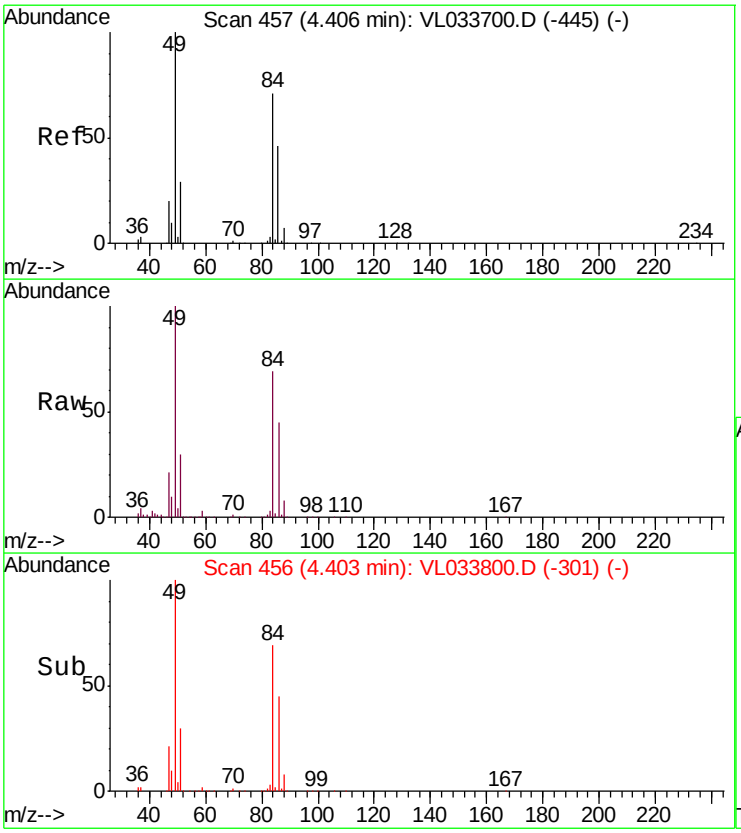
#19
Isopropyl Alcohol
Concen: 9.430 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 45 Resp: 790022

Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.6	2.4

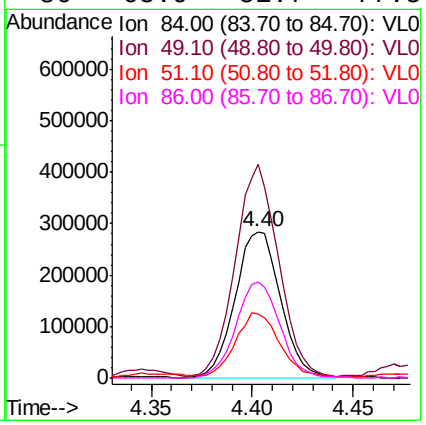


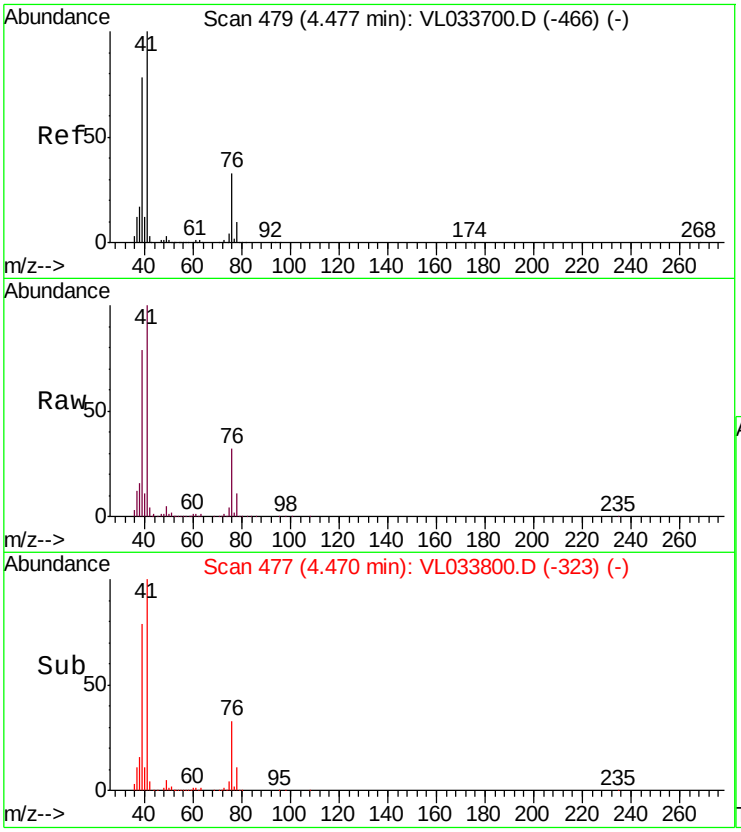


#20
Methylene Chloride
Concen: 8.879 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 84 Resp: 444222

Ion	Ratio	Lower	Upper
84	100		
49	145.2	112.8	169.2
51	43.4	33.4	50.0
86	65.9	51.7	77.5



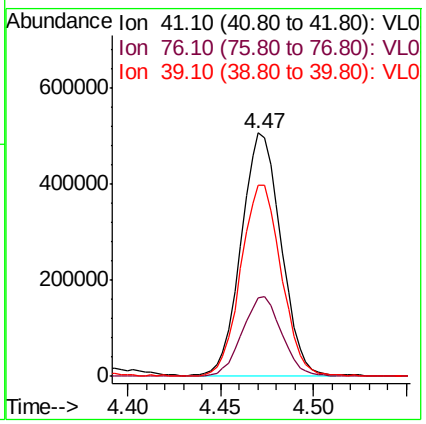


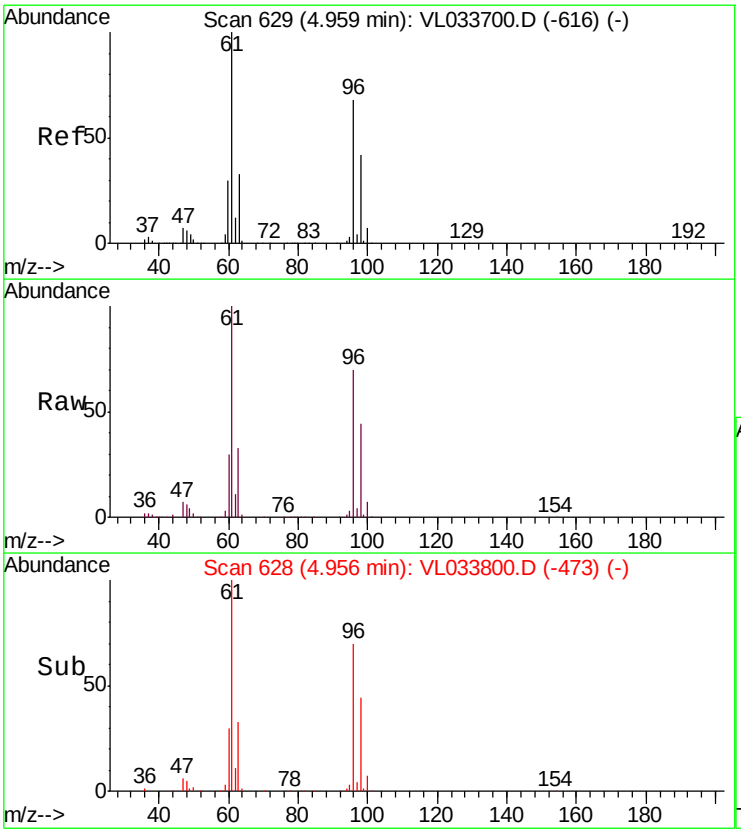
#21
Allyl Chloride
Concen: 9.223 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 41 Resp: 747463

Ion	Ratio	Lower	Upper
41	100		
76	32.6	25.9	38.9
39	80.7	64.6	97.0

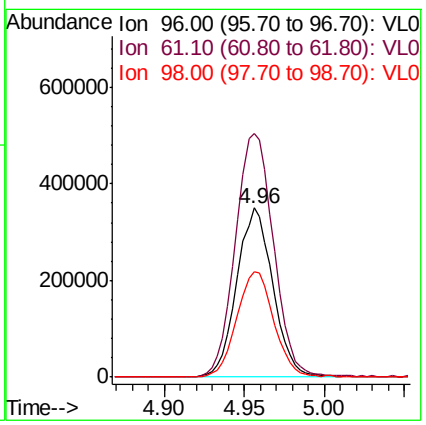


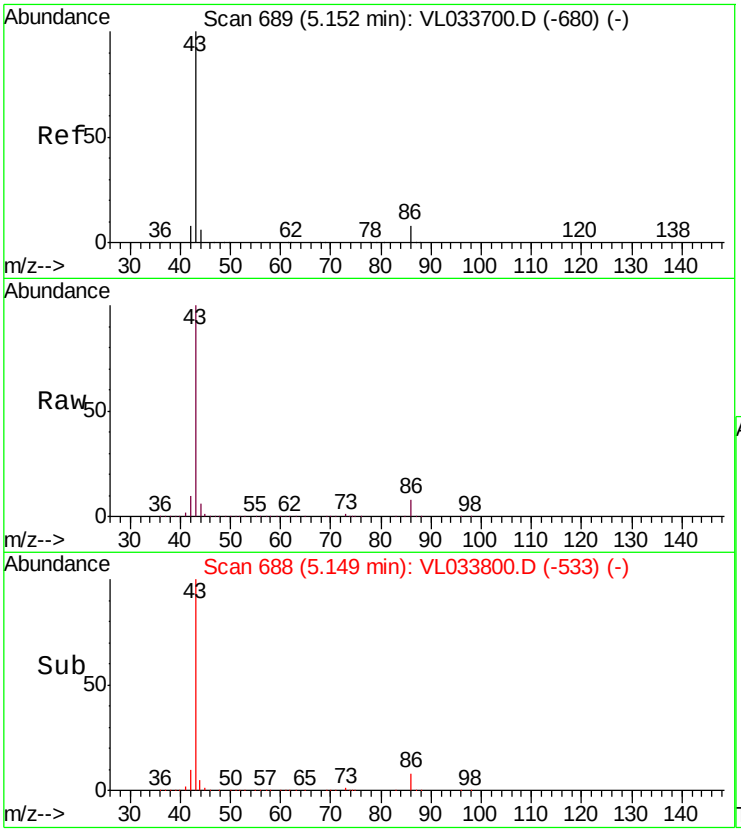


#22
trans-1,2-Dichloroethene
Concen: 9.461 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 96 Resp: 538396

Ion	Ratio	Lower	Upper
96	100		
61	143.7	116.8	175.2
98	62.6	49.4	74.0



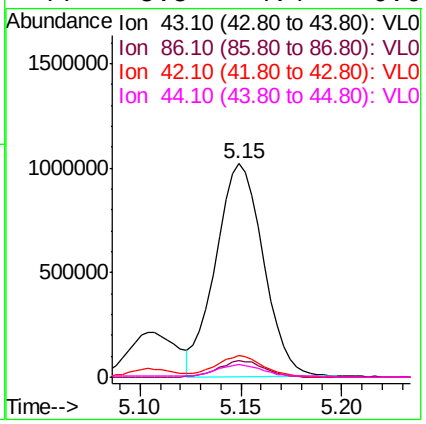


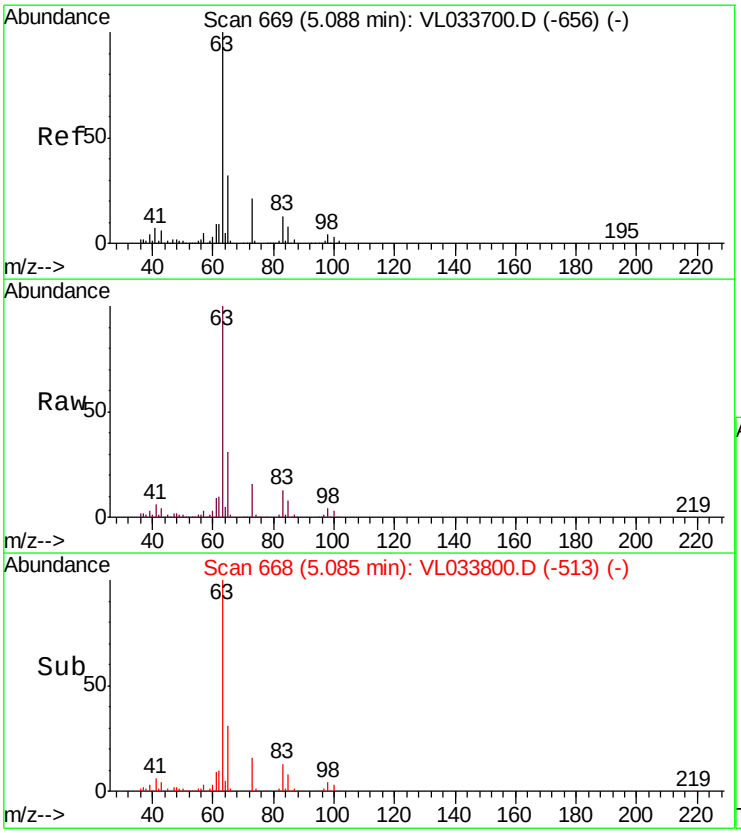
#23
Vinyl Acetate
Concen: 9.808 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 43 Resp: 1680240

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.0	9.0
42	10.1	7.5	11.3
44	5.5	4.4	6.6

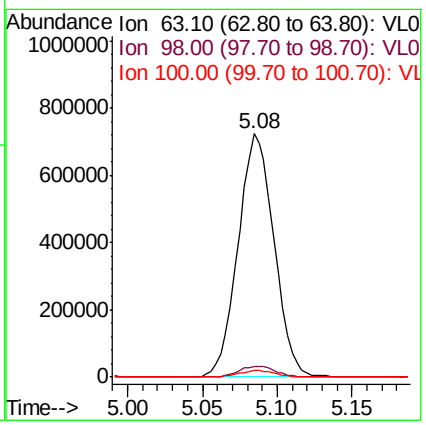


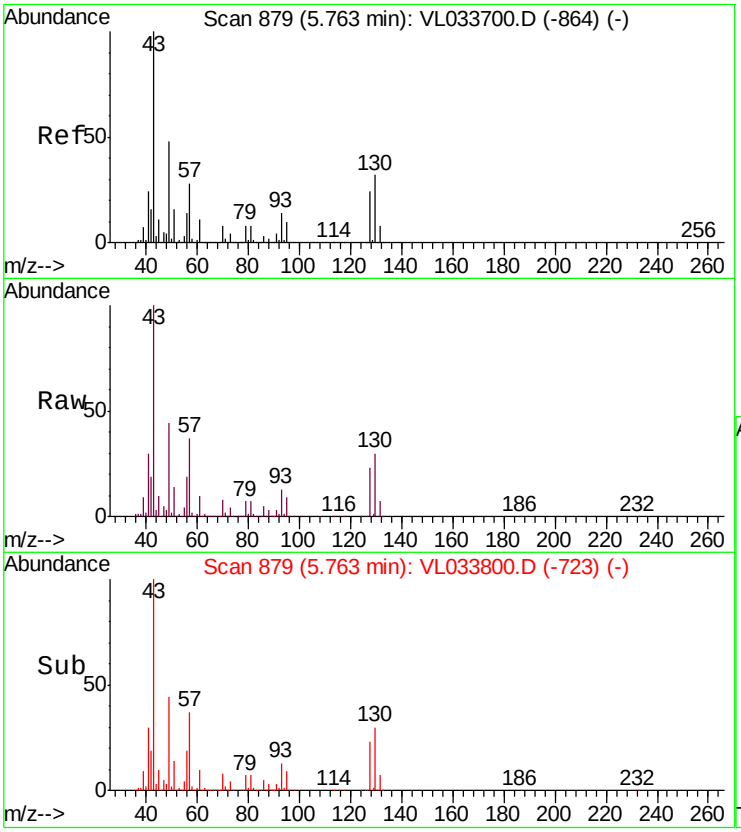


#24
1,1-Dichloroethane
Concen: 9.274 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 63 Resp: 1207721

Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.8	5.5
100	2.8	1.4	4.2



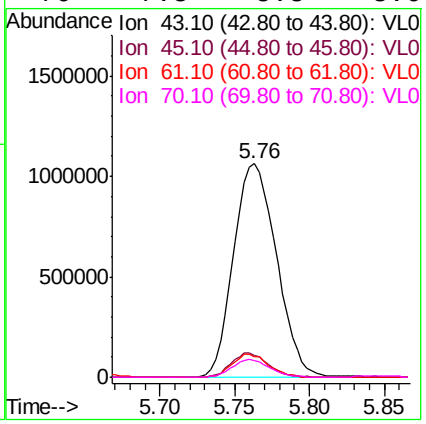


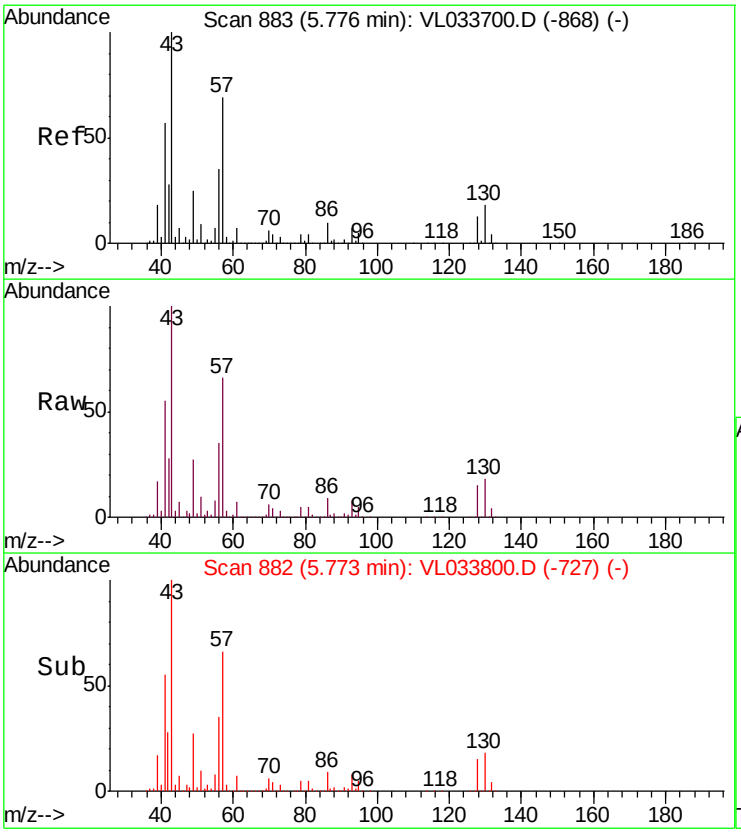
#25
Ethyl Acetate
Concen: 9.322 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 43 Resp: 2127750

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.4	7.7	11.5
70	7.3	5.8	8.6

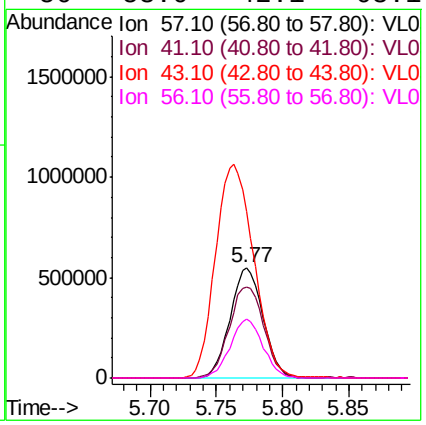


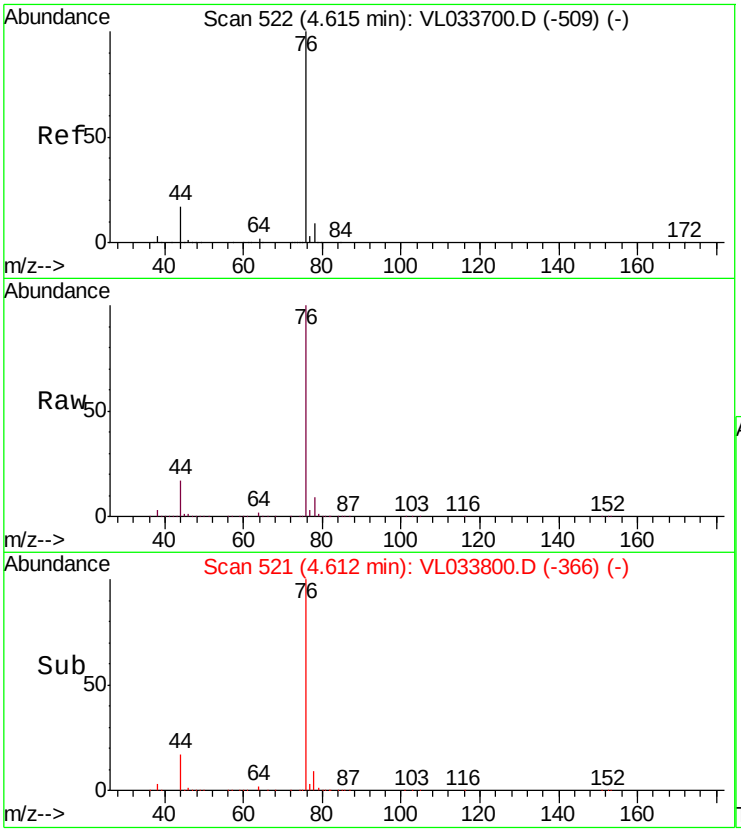


#26
Hexane
Concen: 9.608 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 57 Resp: 942807

Ion	Ratio	Lower	Upper
57	100		
41	87.6	69.8	104.6
43	226.8	181.8	272.6
56	53.0	42.1	63.1



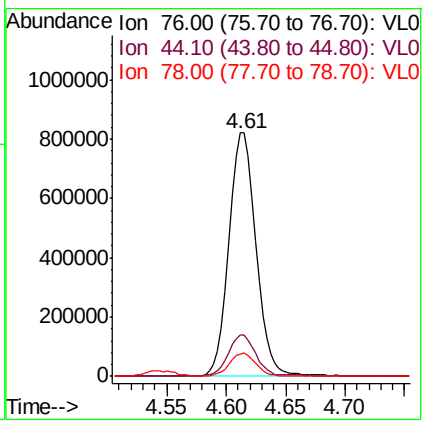


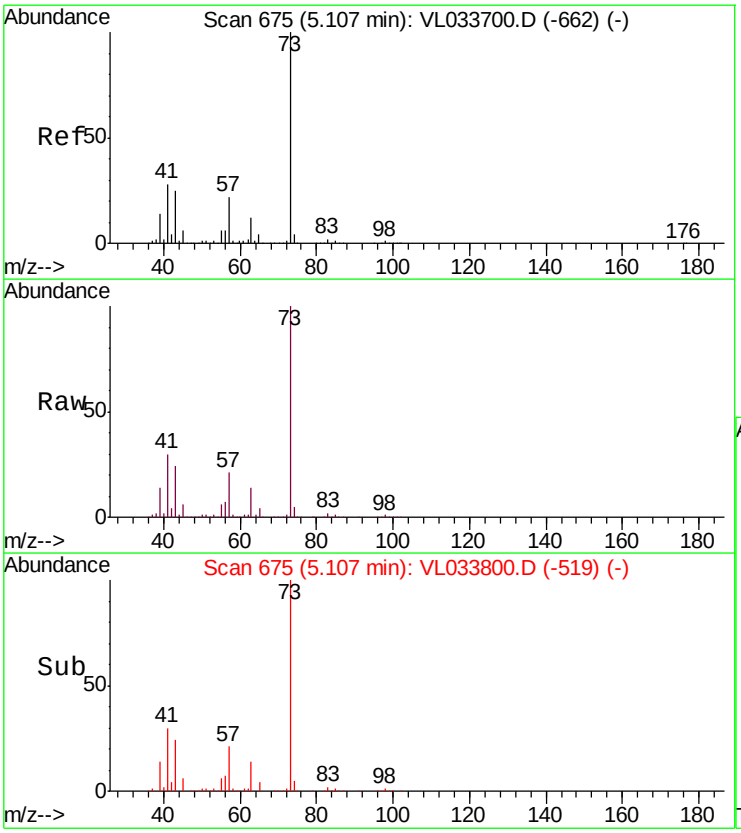
#27
Carbon Disulfide
Concen: 9.677 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 76 Resp: 1302689

Ion	Ratio	Lower	Upper
76	100		
44	17.0	13.8	20.8
78	9.3	7.4	11.0

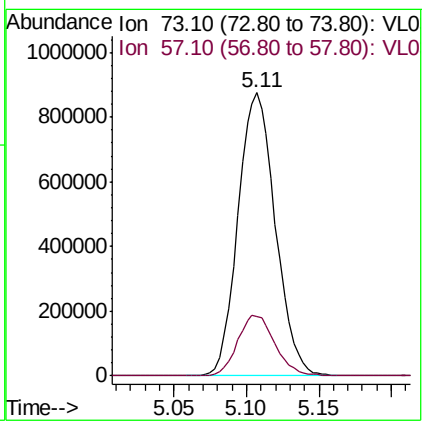


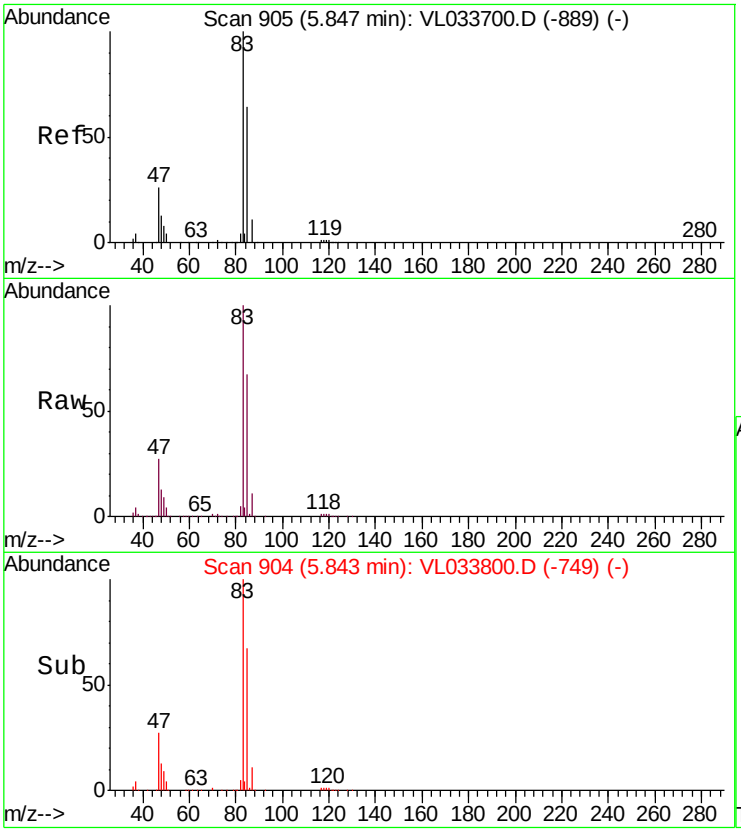


#28
Methyl tert-Butyl Ether
Concen: 9.777 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 73 Resp: 1563927

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



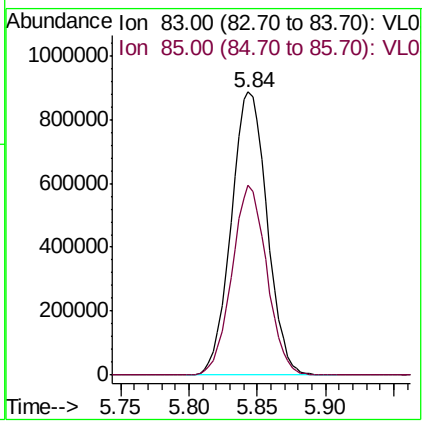


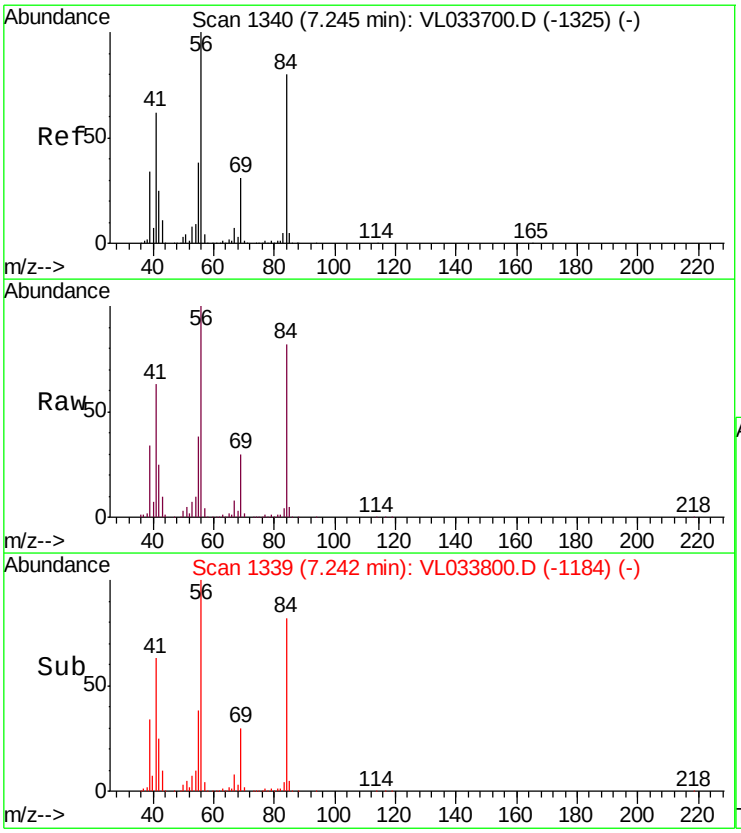
#29
Chloroform
Concen: 8.943 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 83 Resp: 1616496

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.5	77.3

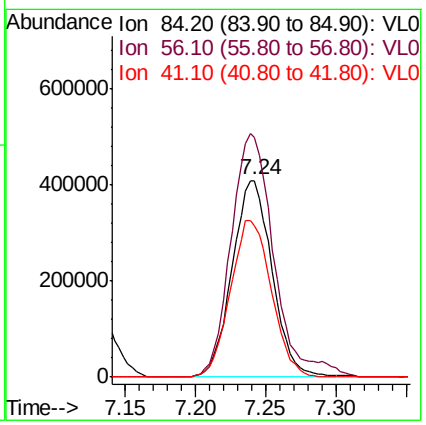


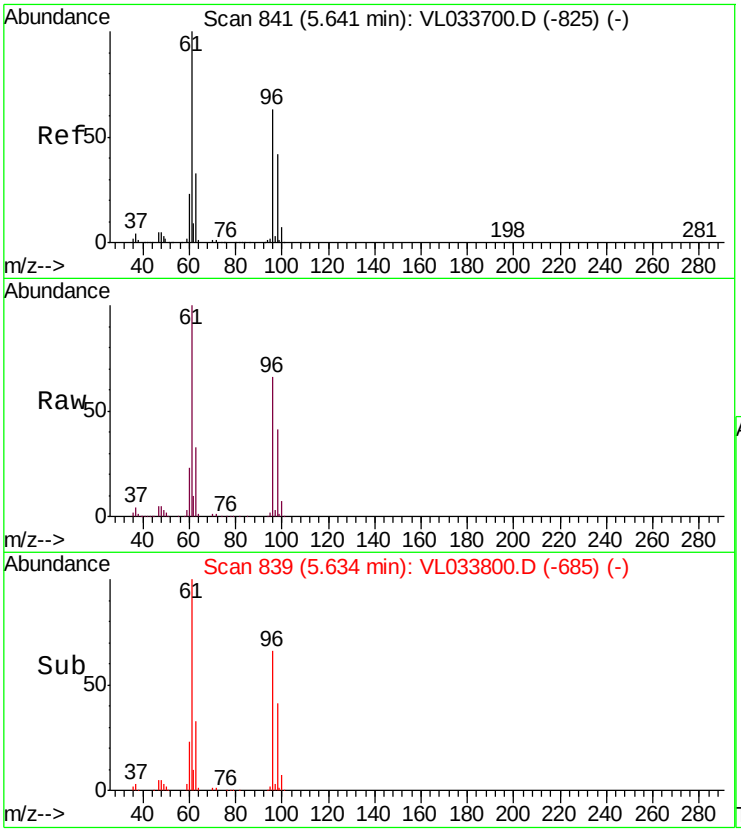


#30
Cyclohexane
Concen: 9.765 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 84 Resp: 805585

Ion	Ratio	Lower	Upper
84	100		
56	134.3	107.7	161.5
41	82.6	66.0	99.0



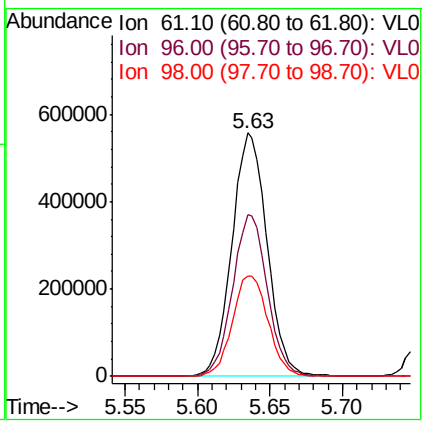


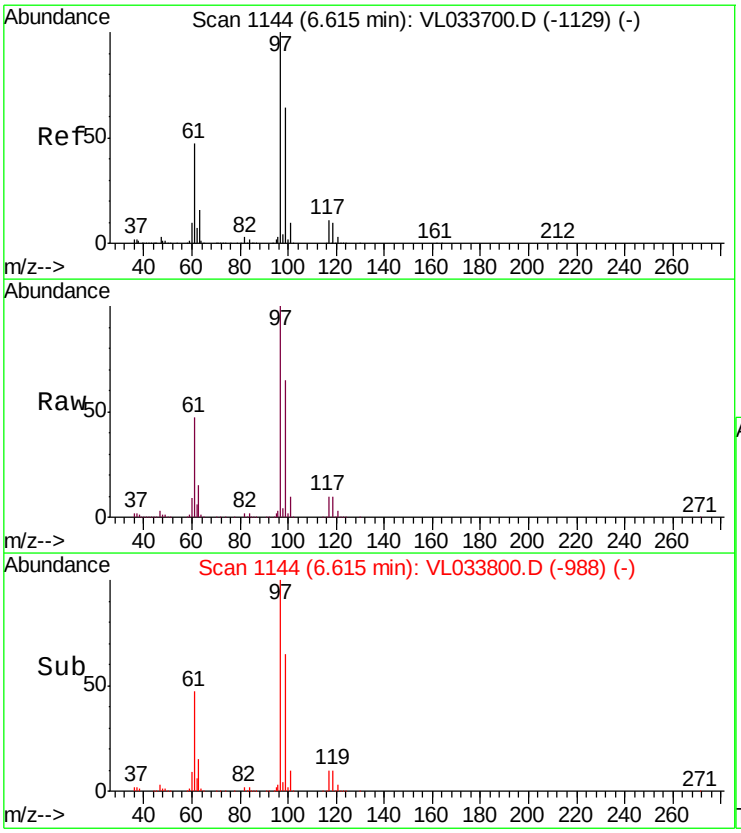
#31
cis-1,2-Dichloroethene
Concen: 9.634 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 61 Resp: 937317

Ion	Ratio	Lower	Upper
61	100		
96	66.3	50.8	76.2
98	41.0	33.3	49.9

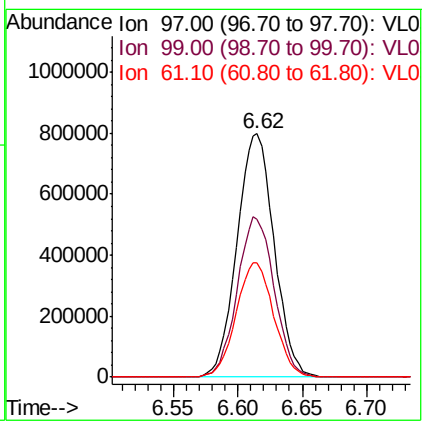


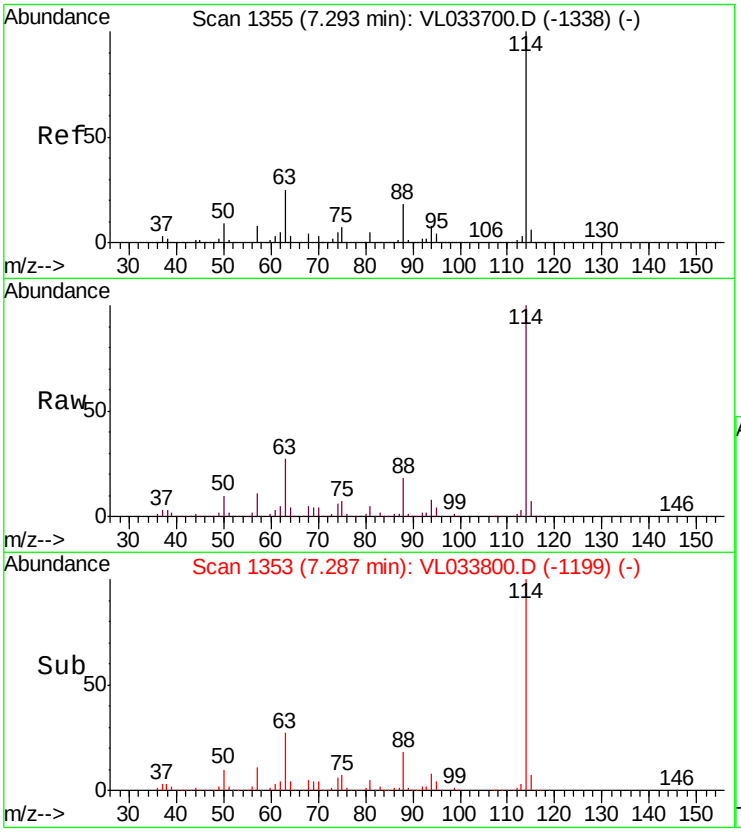


#32
1,1,1-Trichloroethane
Concen: 8.879 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 97 Resp: 1602533

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.5	77.3
61	47.6	37.8	56.8



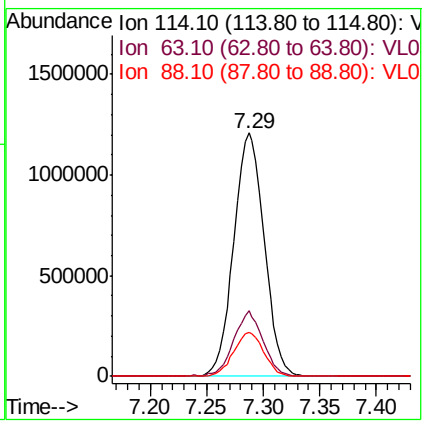


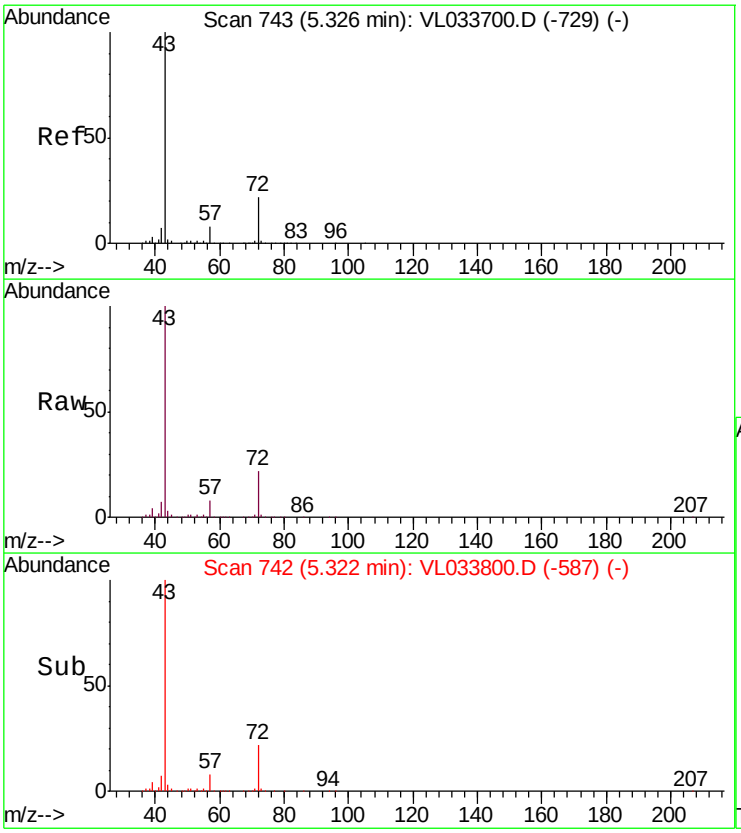
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:114 Resp: 2269906

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	17.8	14.3	21.5

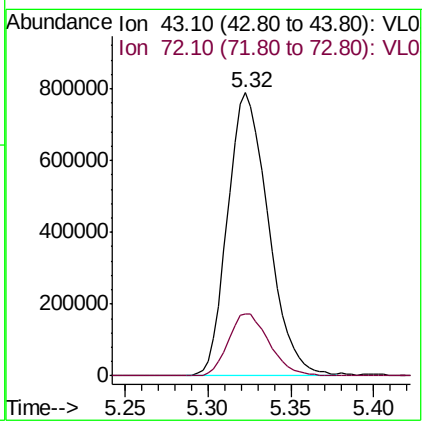


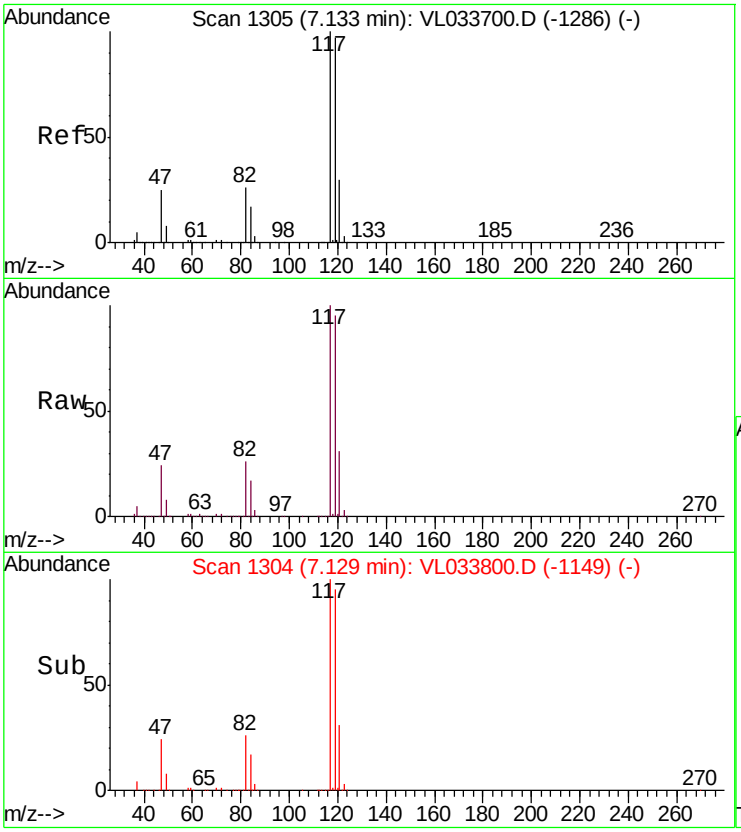


#34
2-Butanone
Concen: 9.564 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 43 Resp: 1345609

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6



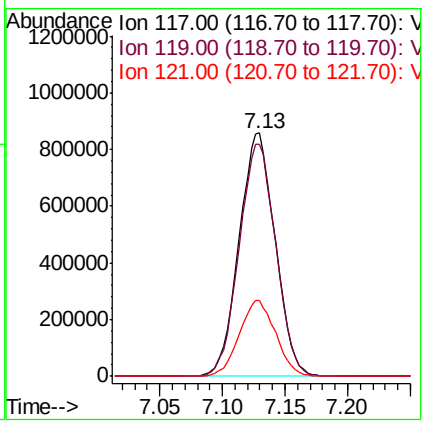


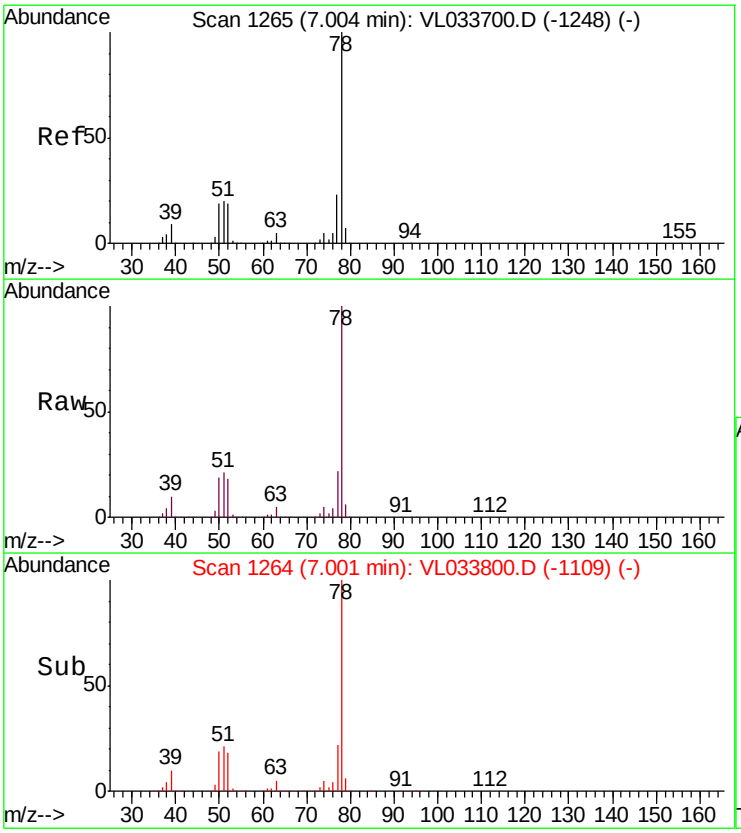
#35
Carbon Tetrachloride
Concen: 9.450 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion:117 Resp: 1718257

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.2	115.8
121	31.0	24.1	36.1

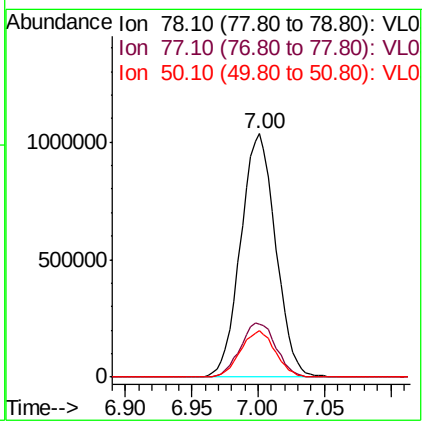


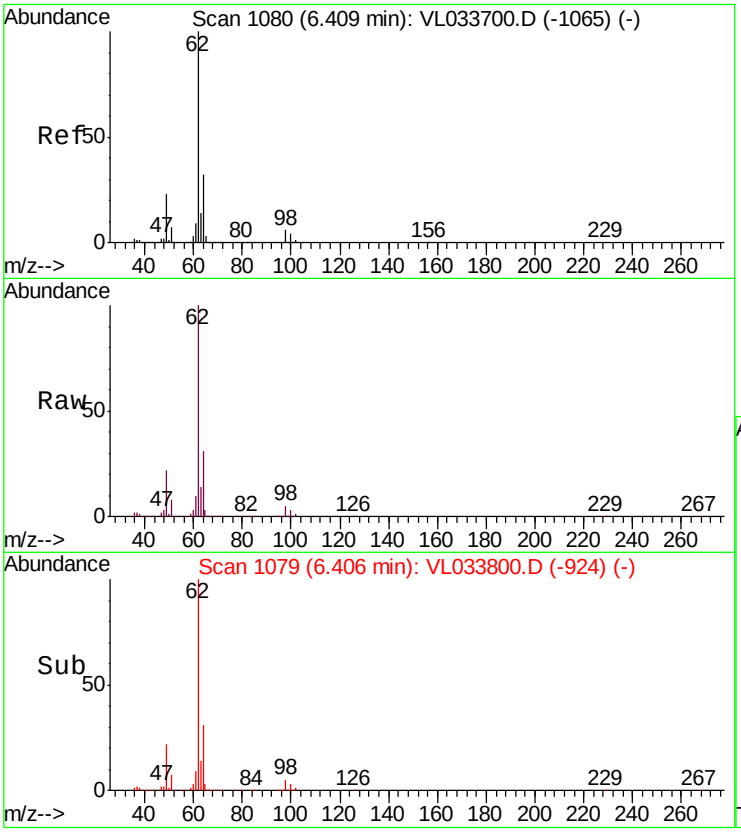


#36
Benzene
Concen: 9.210 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 78 Resp: 1901753

Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6
50	18.8	15.5	23.3



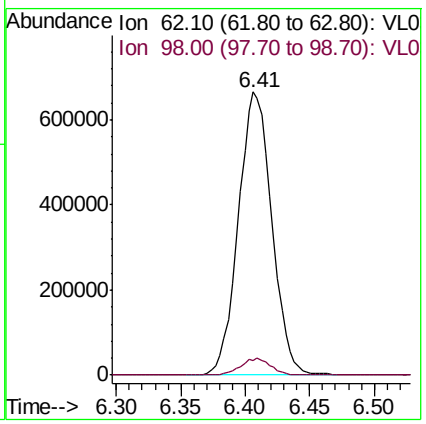


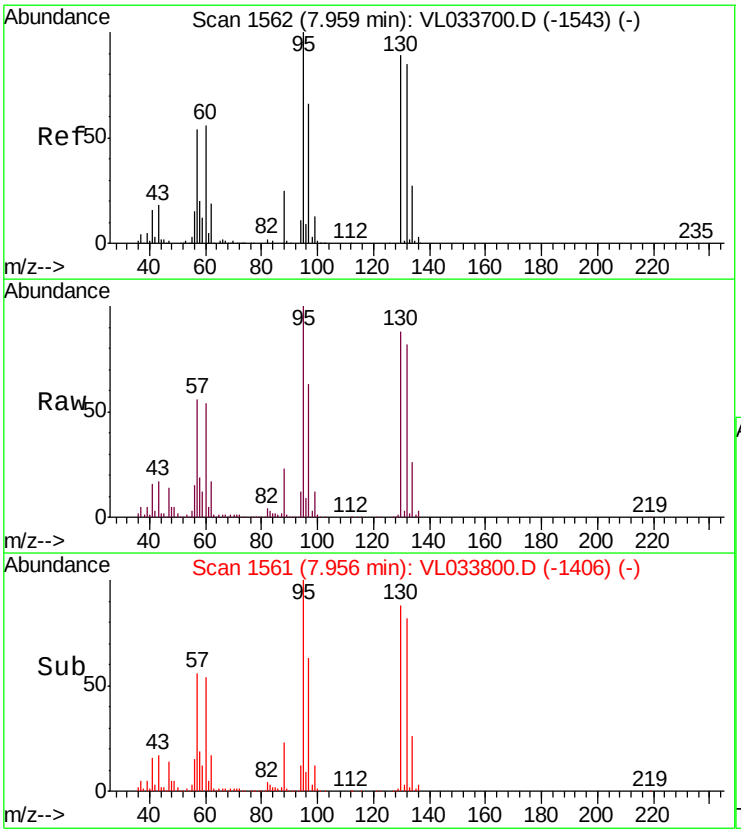
#37
1,2-Dichloroethane
Concen: 9.020 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 62 Resp: 1201475

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

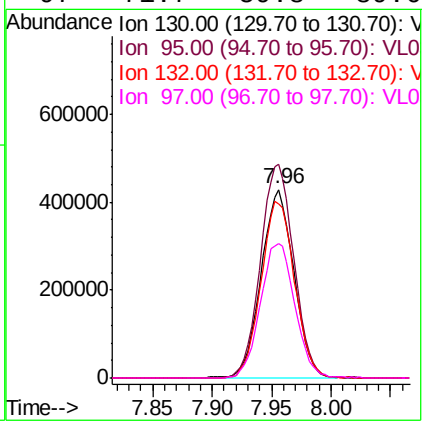


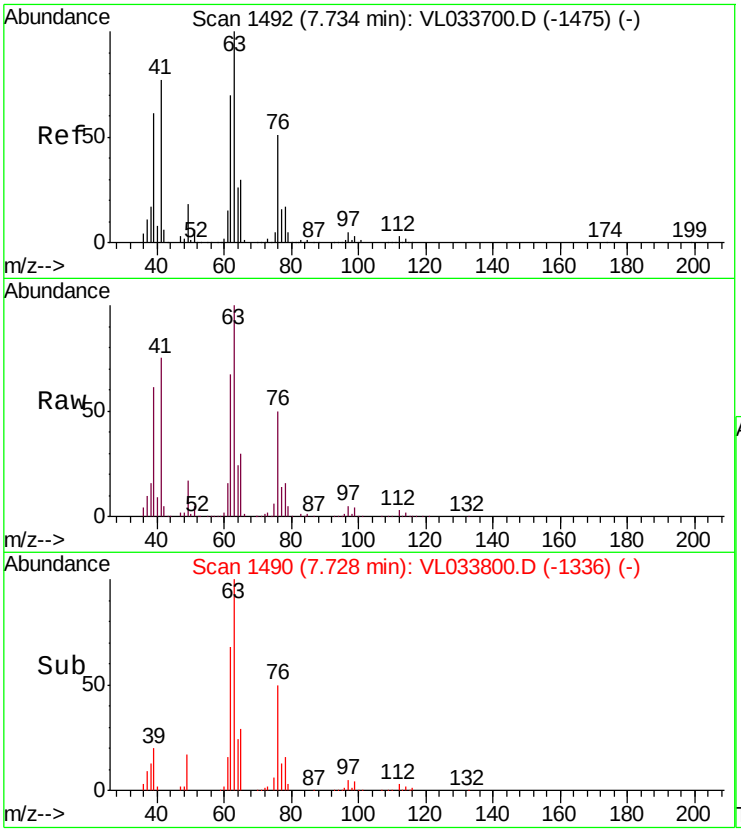


#38
Trichloroethene
Concen: 10.685 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:130 Resp: 818667

Ion	Ratio	Lower	Upper
130	100		
95	113.5	90.2	135.4
132	92.6	76.4	114.6
97	71.7	59.8	89.6



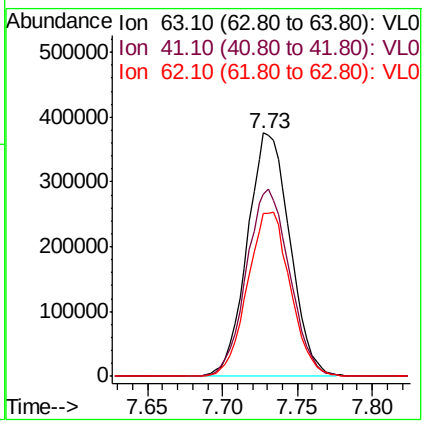


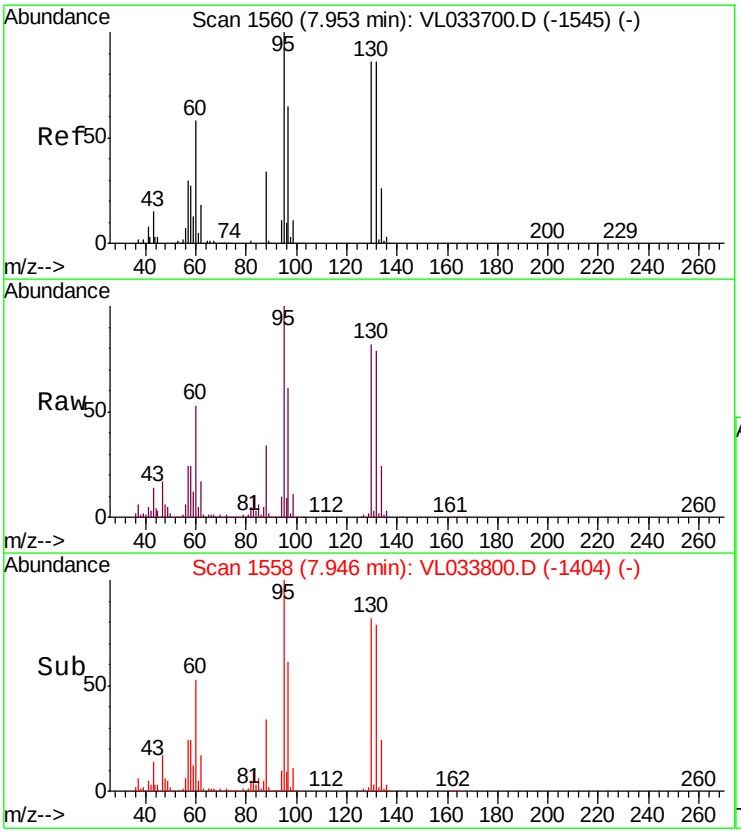
#39
1,2-Dichloropropane
Concen: 9.648 ppbv
RT: 7.73 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 63 Resp: 742720

Ion	Ratio	Lower	Upper
63	100		
41	74.7	61.5	92.3
62	67.2	56.2	84.4

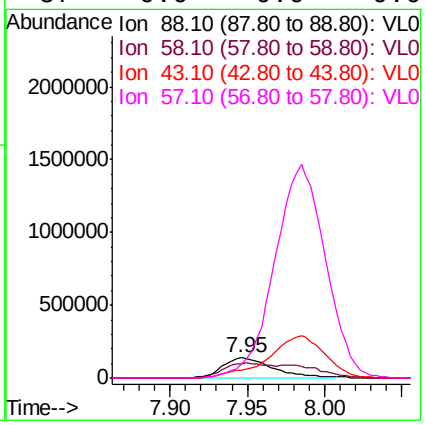


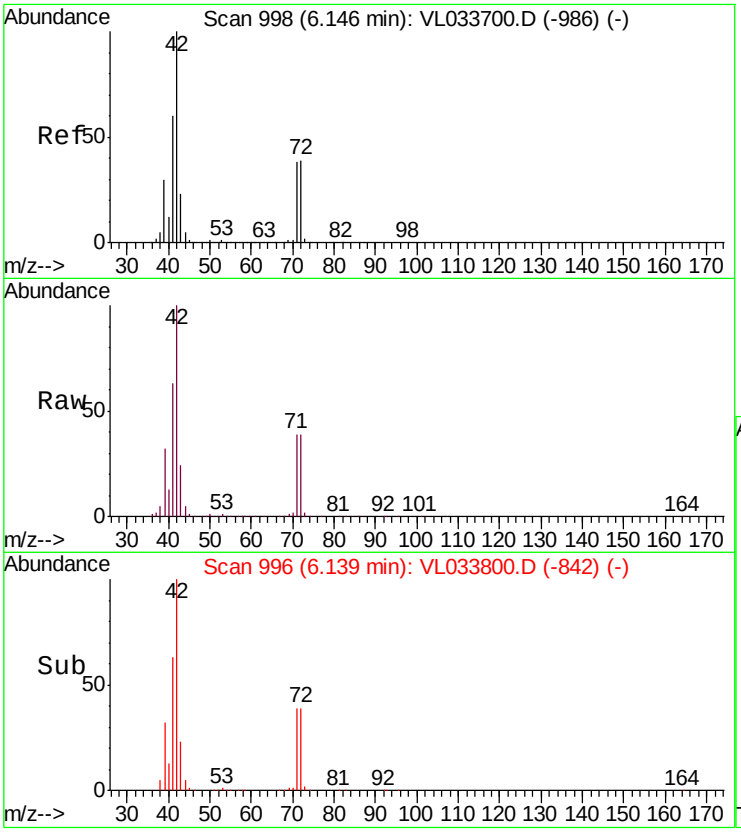


#40
1,4-Dioxane
Concen: 9.404 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 88 Resp: 302840

Ion	Ratio	Lower	Upper
88	100		
58	127.6	101.8	152.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0



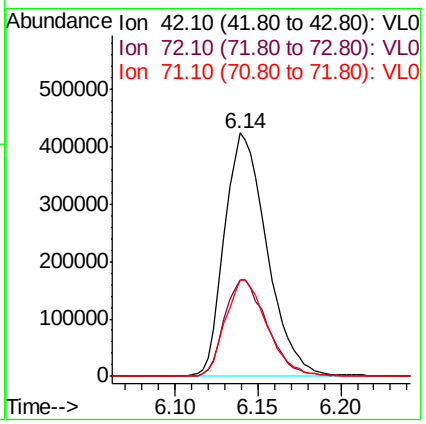


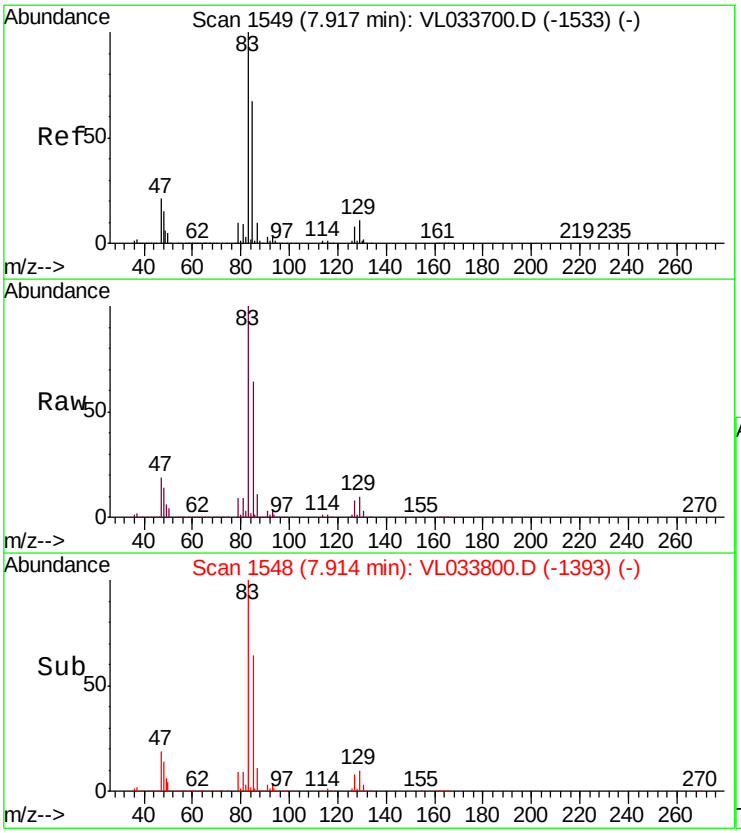
#41
Tetrahydrofuran
Concen: 9.562 ppbv
RT: 6.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 42 Resp: 753805

Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.0	48.0
71	39.3	30.4	45.6

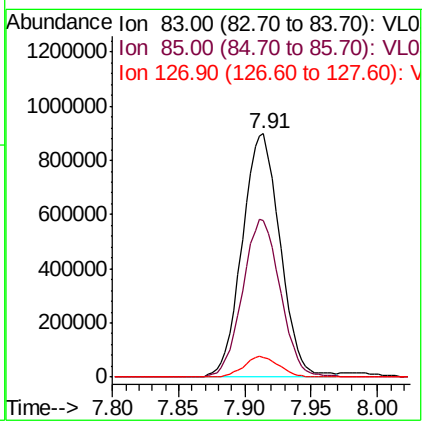


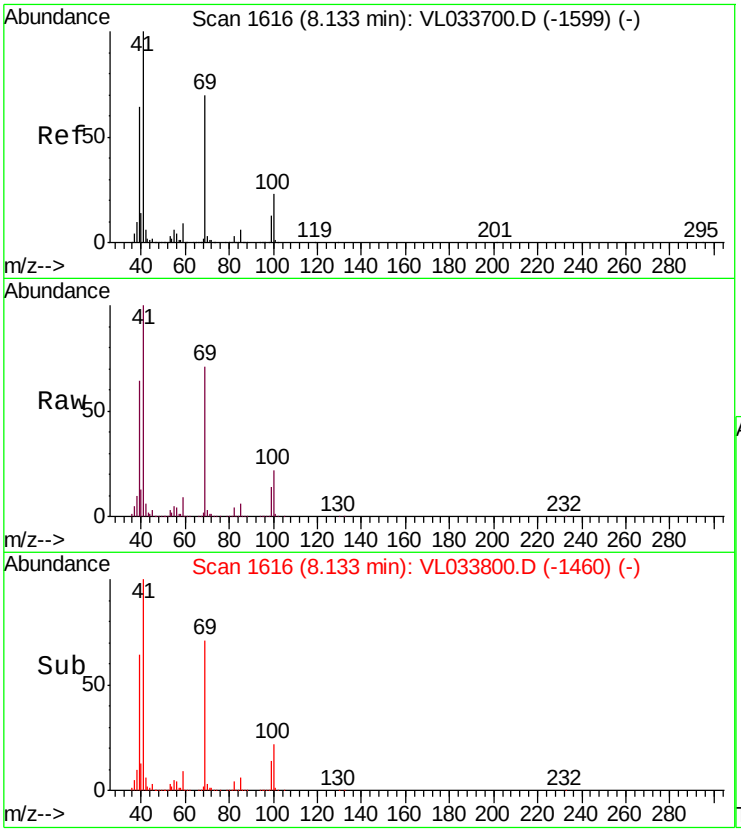


#42
Bromodichloromethane
Concen: 9.785 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 83 Resp: 1784216

Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.3	79.9
127	8.0	6.5	9.7



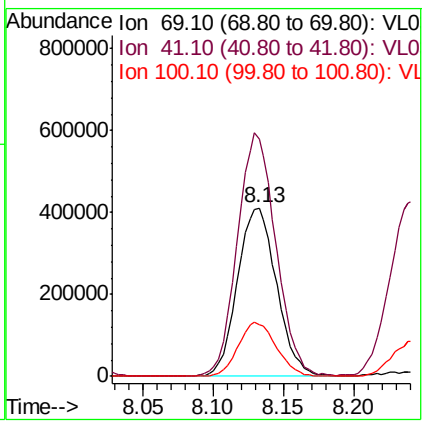


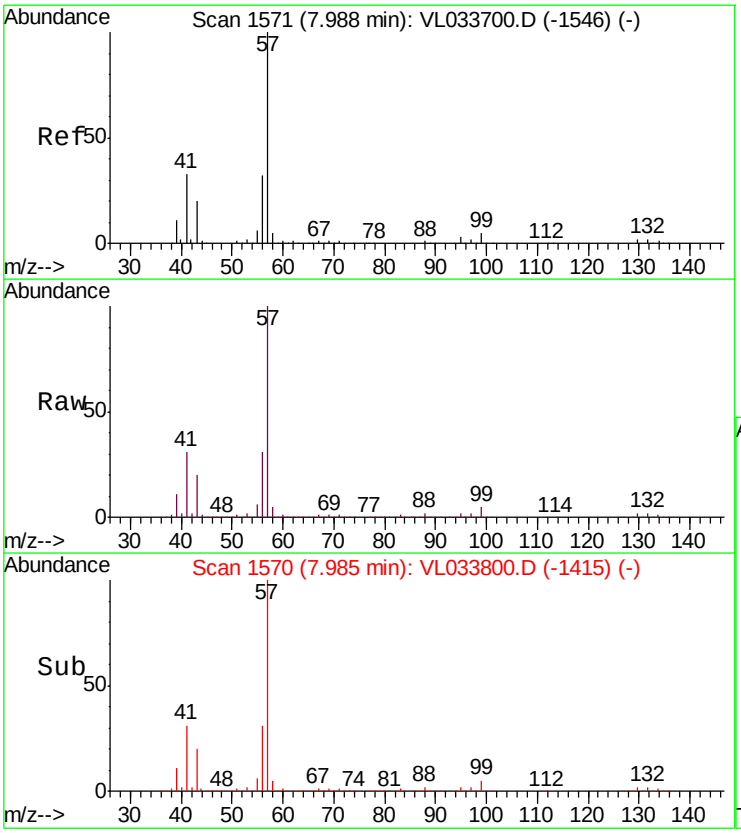
#43
Methyl Methacrylate
Concen: 10.538 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 69 Resp: 800797

Ion	Ratio	Lower	Upper
69	100		
41	141.8	116.3	174.5
100	31.1	25.3	37.9

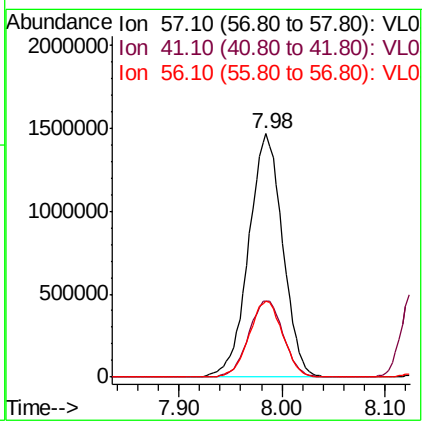


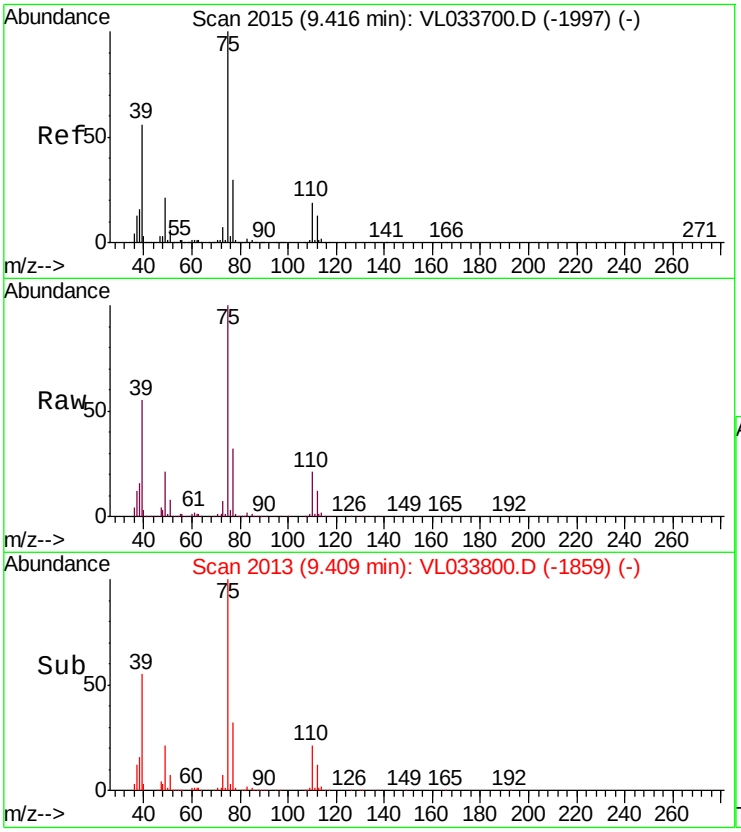


#44
2,2,4-Trimethylpentane
Concen: 9.618 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 57 Resp: 3356409

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.4	38.0
56	30.9	24.7	37.1



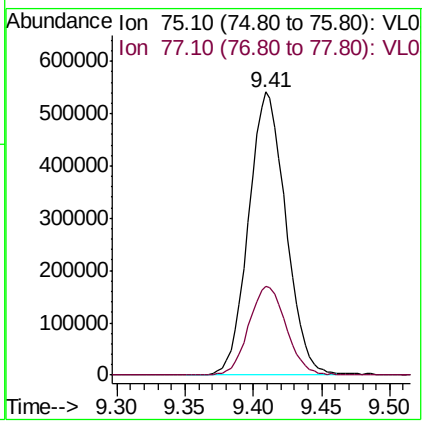


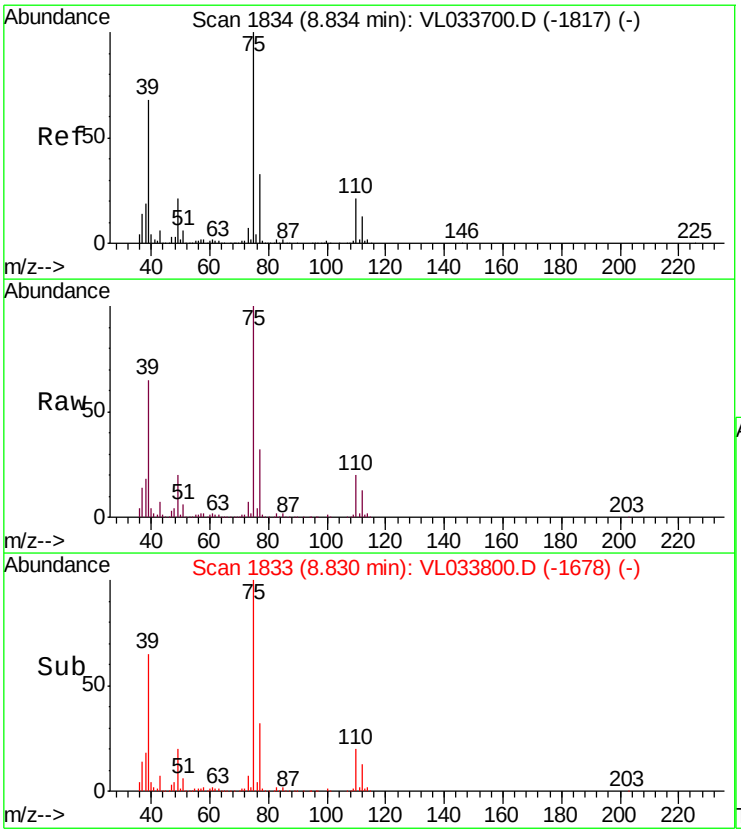
#45
t-1,3-Dichloropropene
Concen: 10.651 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 75 Resp: 1026102

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6

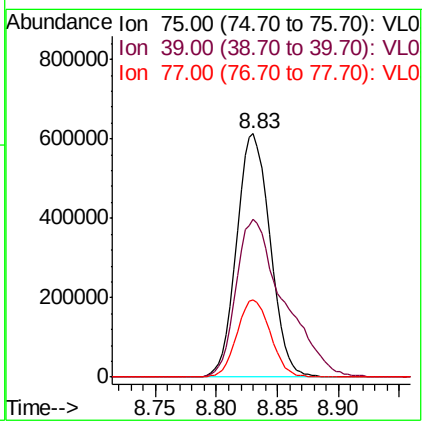


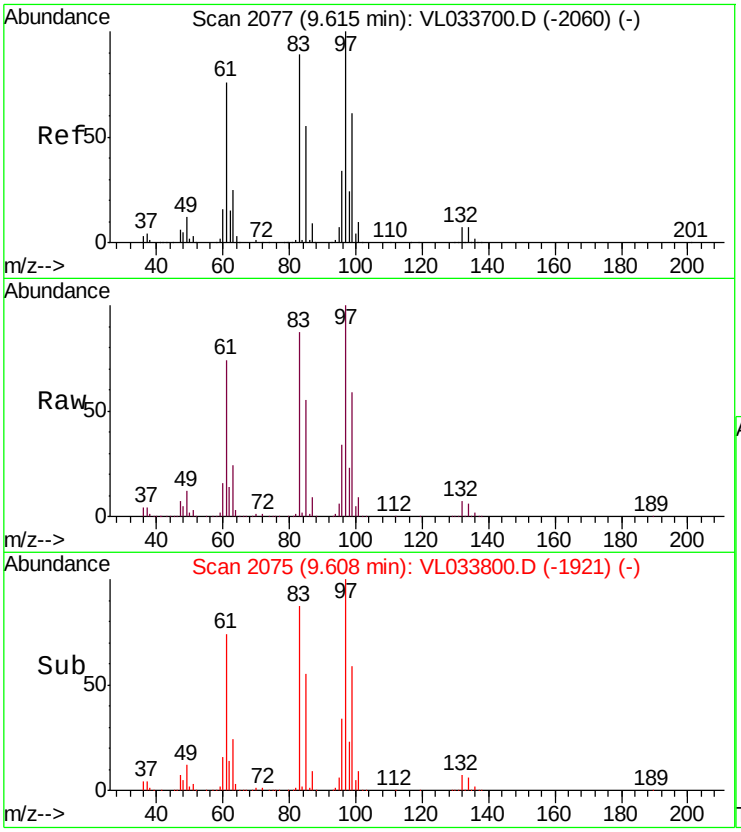


#46
cis-1,3-Dichloropropene
Concen: 10.304 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 75 Resp: 1162299

Ion	Ratio	Lower	Upper
75	100		
39	64.8	54.4	81.6
77	31.9	26.6	39.8



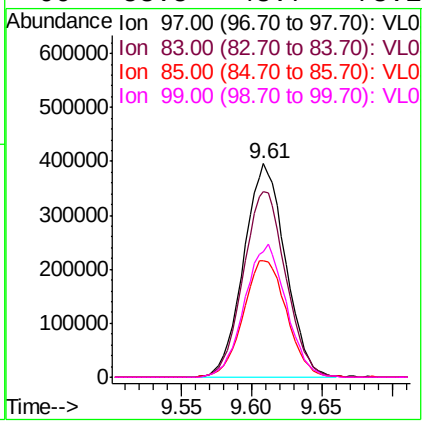


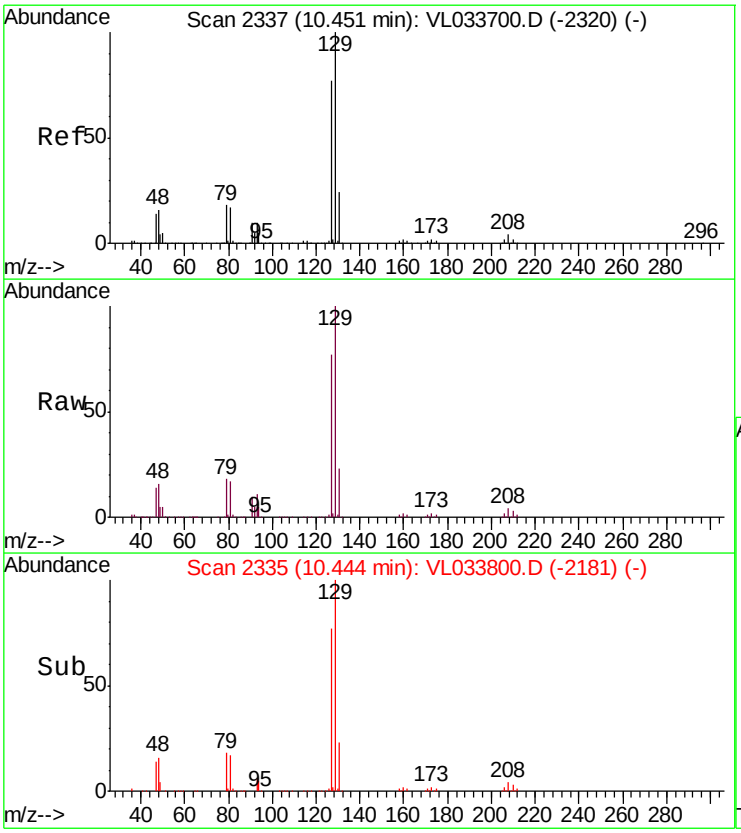
#47
1,1,2-Trichloroethane
Concen: 9.367 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 97 Resp: 819194

Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.8	106.2
85	54.6	43.7	65.5
99	58.5	48.7	73.1

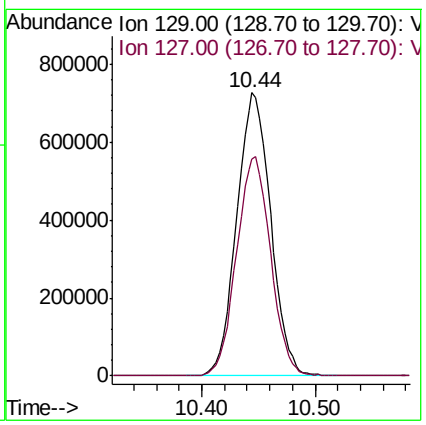


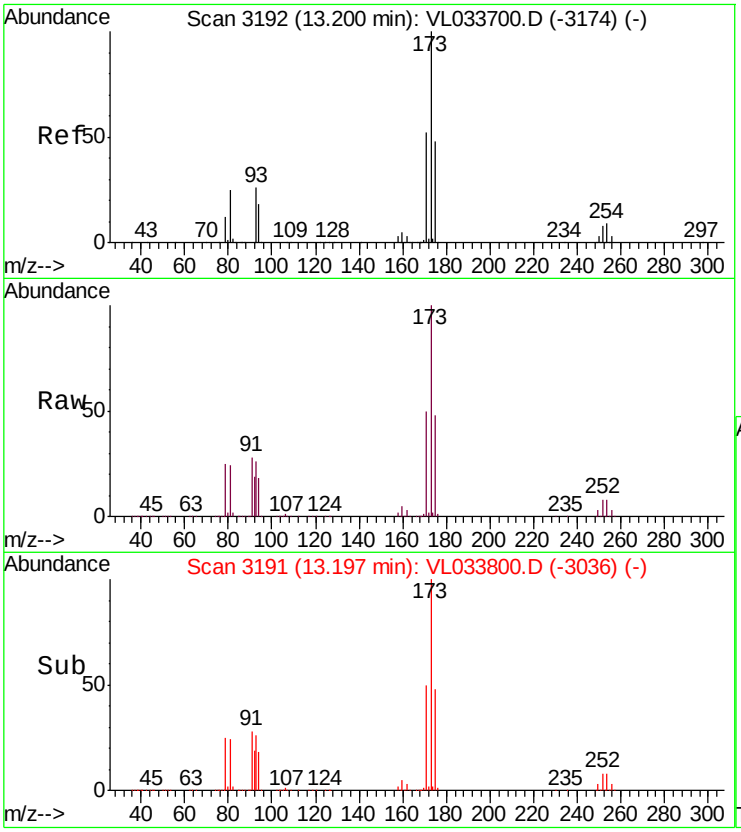


#48
Dibromochloromethane
Concen: 10.041 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:129 Resp: 1521527

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0



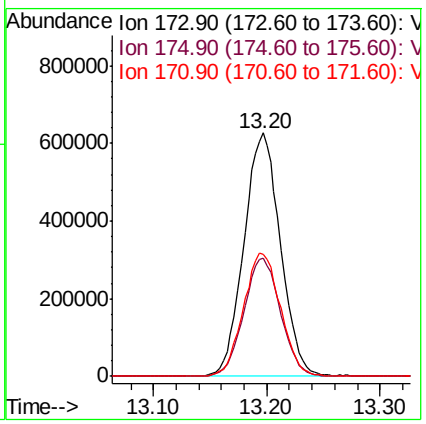


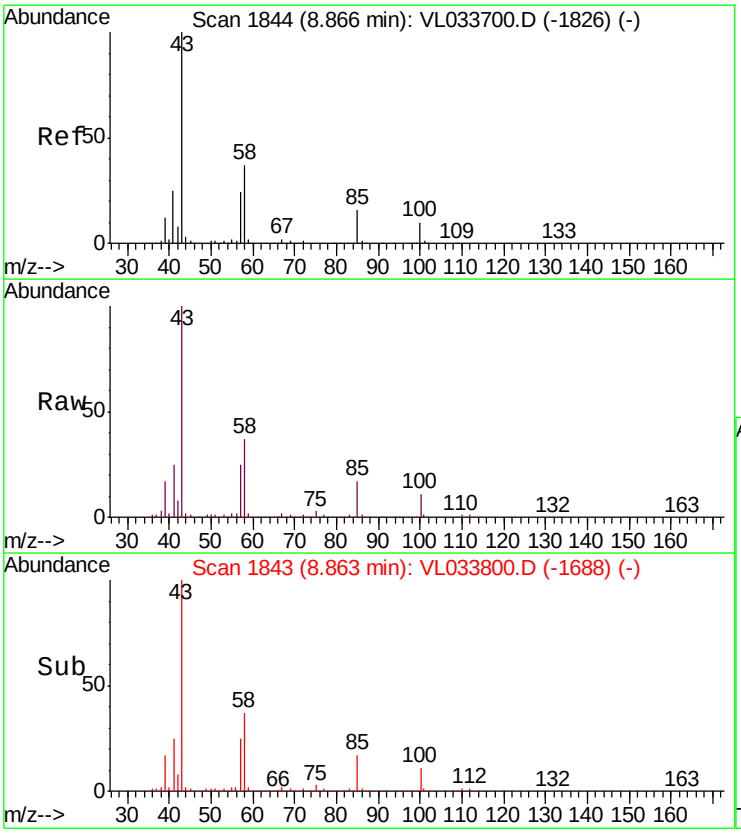
#49
Bromoform
Concen: 11.001 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion:173 Resp: 1402608

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	58.0
171	51.7	41.5	62.3

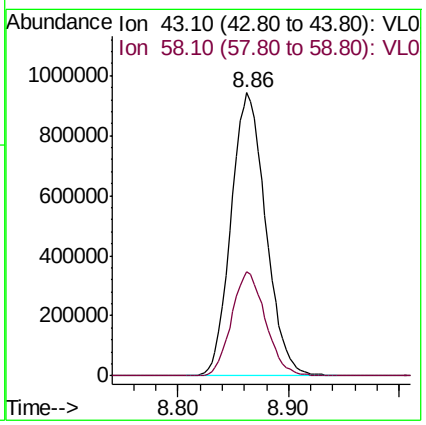


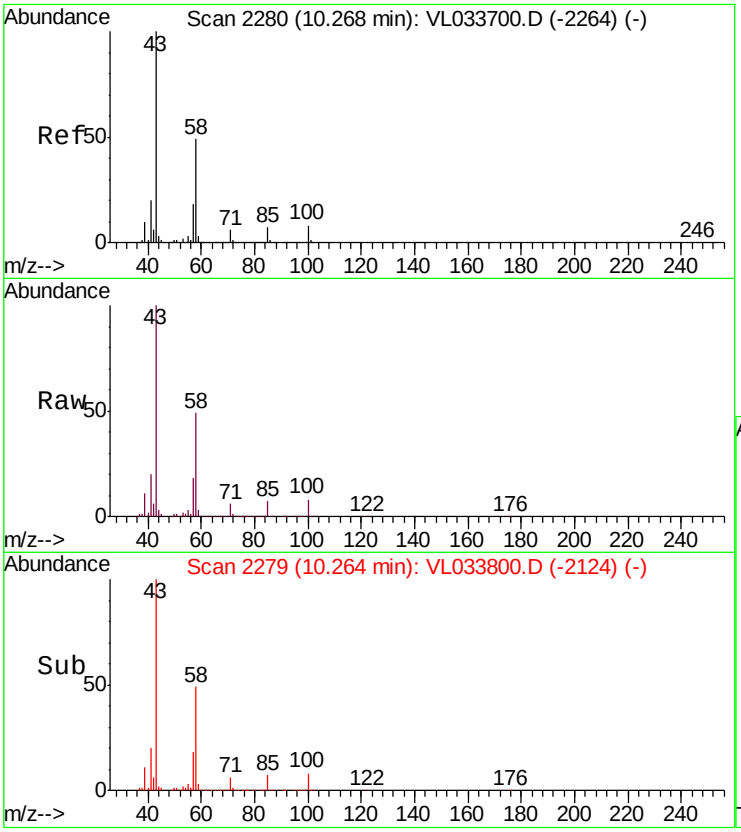


#50
4-Methyl-2-Pentanone
Concen: 9.502 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 43 Resp: 2056395

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.6	43.0



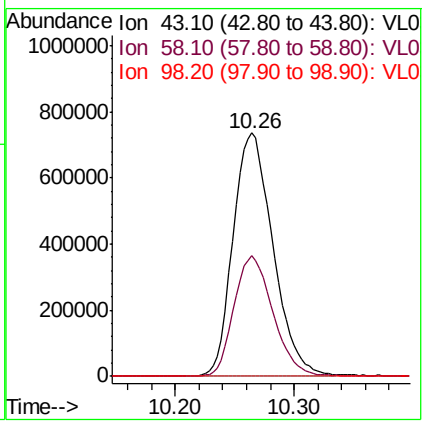


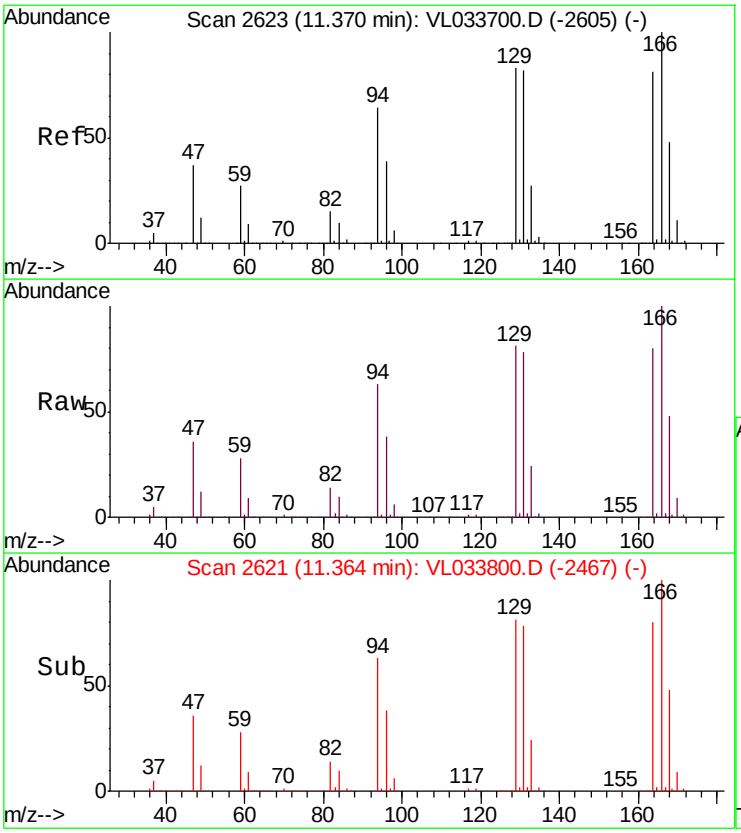
#51
2-Hexanone
Concen: 10.114 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 43 Resp: 1708271

Ion	Ratio	Lower	Upper
43	100		
58	48.6	38.7	58.1
98	0.4	0.2	0.4#

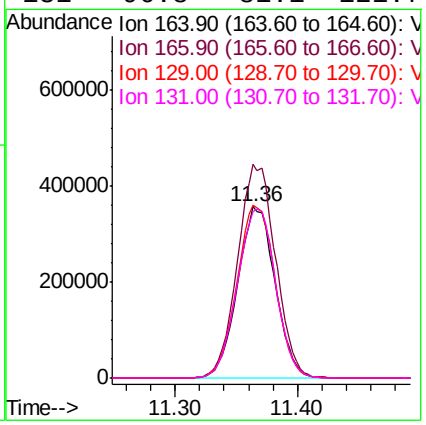


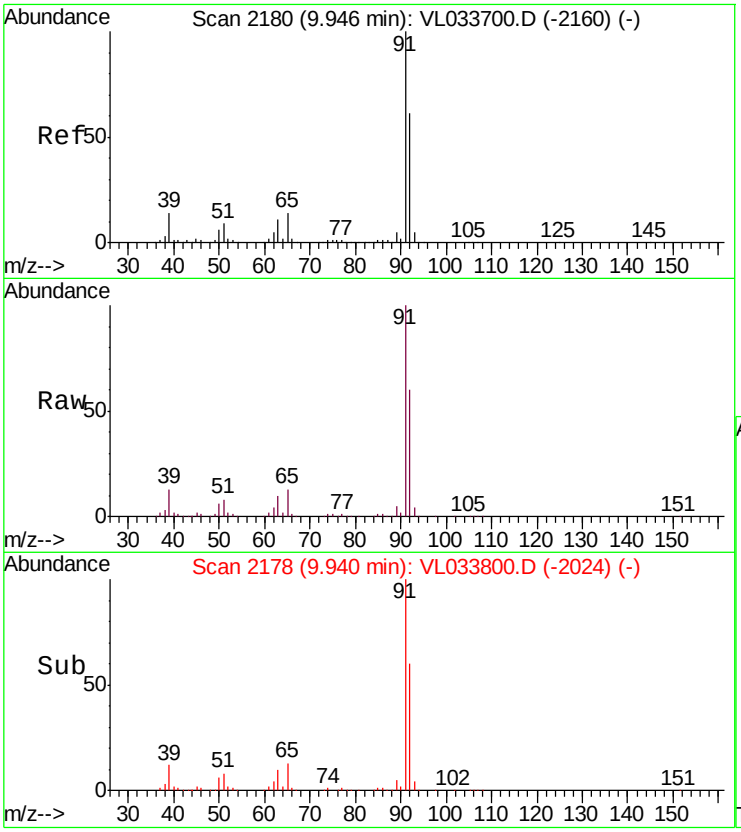


#52
Tetrachloroethene
Concen: 10.348 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:164 Resp: 751074

Ion	Ratio	Lower	Upper
164	100		
166	124.7	98.9	148.3
129	100.8	81.8	122.6
131	96.8	81.1	121.7



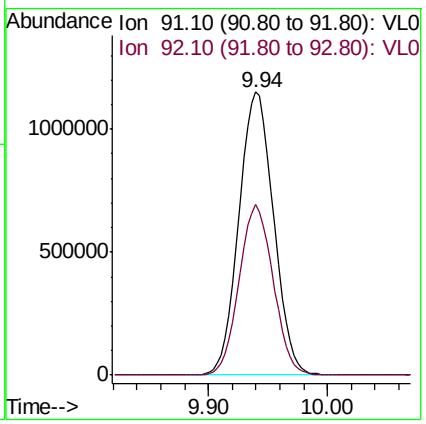


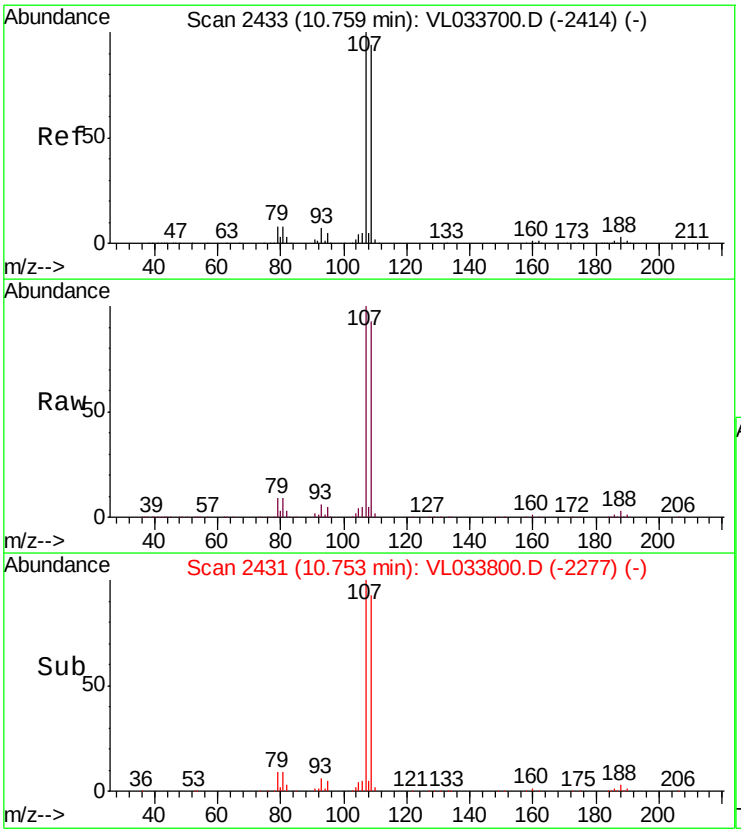
#53
Toluene
Concen: 10.445 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 91 Resp: 2326266

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.6	71.4

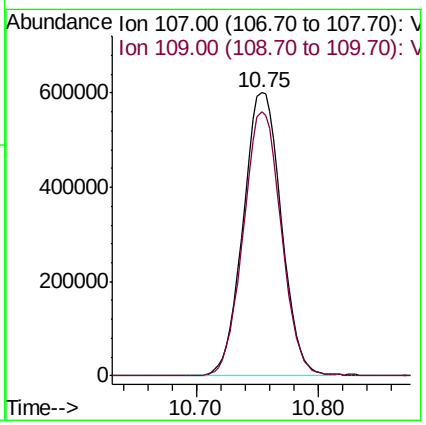


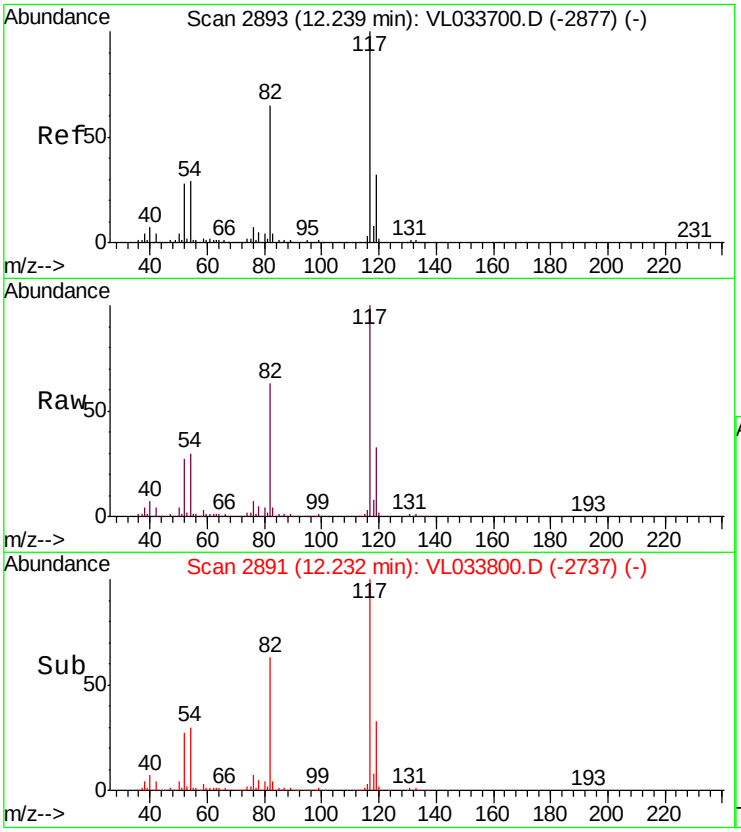


#54
1,2-Dibromoethane
Concen: 9.714 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:107 Resp: 1296408

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8



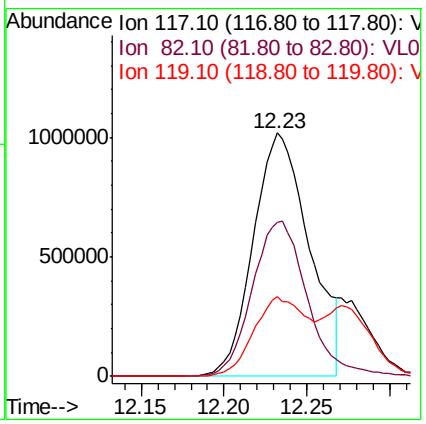


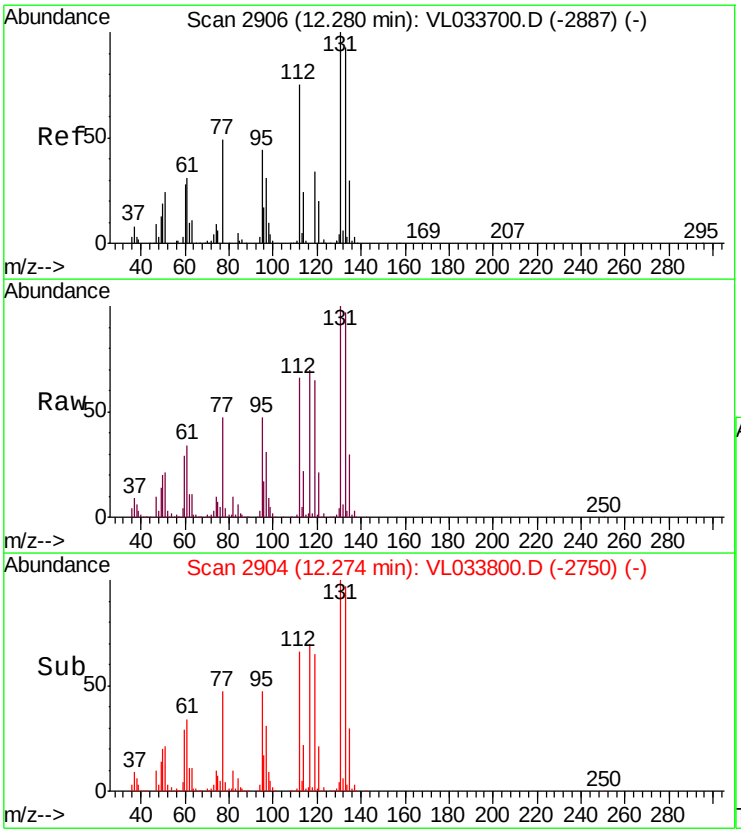
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion:117 Resp: 2396549

Ion	Ratio	Lower	Upper
117	100		
82	62.9	49.4	74.0
119	32.5	24.9	37.3

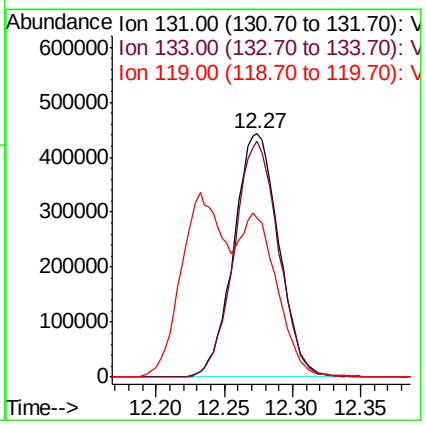


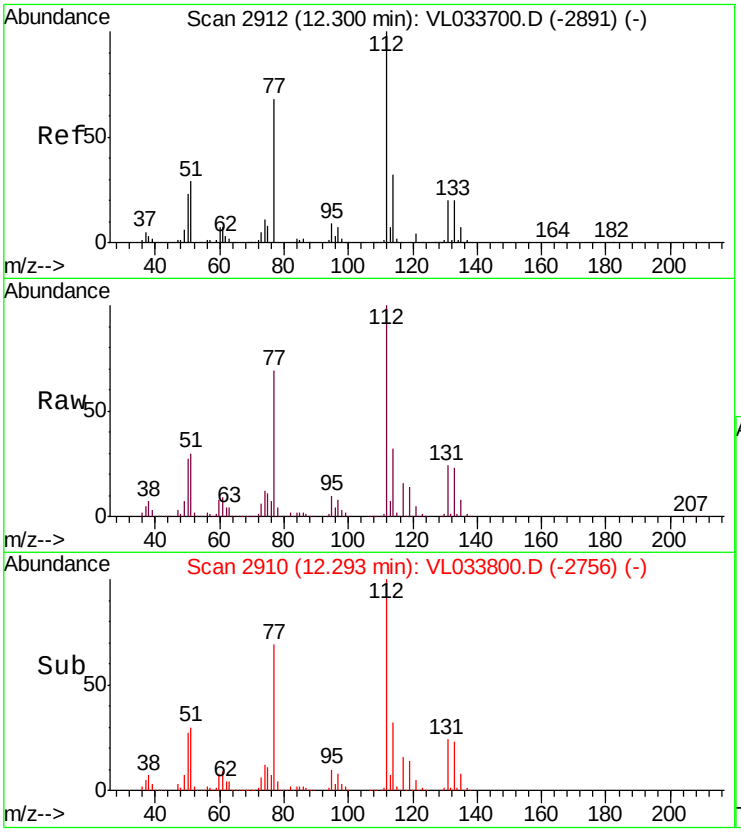


#56
1,1,1,2-Tetrachloroethane
Concen: 9.130 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:131 Resp: 1012473

Ion	Ratio	Lower	Upper
131	100		
133	96.0	76.6	114.8
119	55.0	49.0	73.4



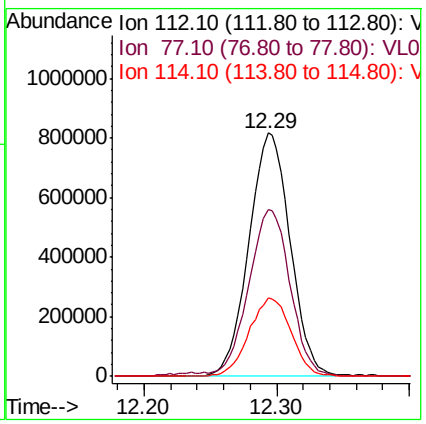


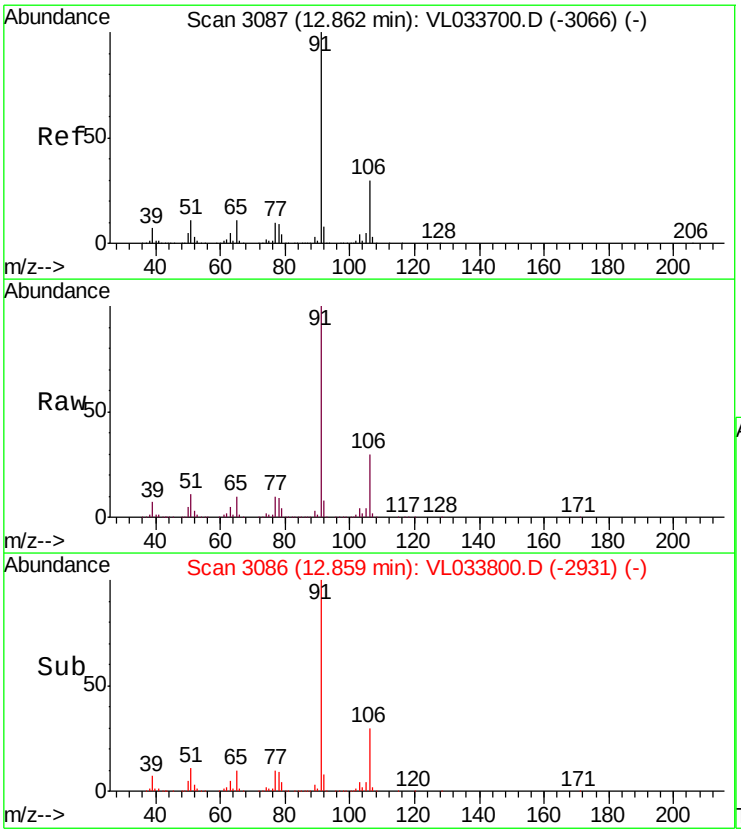
#57
Chlorobenzene
Concen: 8.964 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:112 Resp: 1768255

Ion	Ratio	Lower	Upper
112	100		
77	68.1	55.4	83.0
114	32.1	29.3	35.8

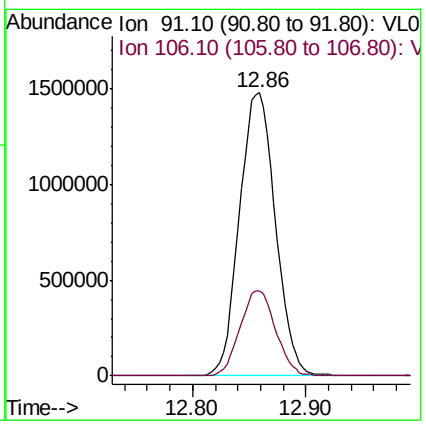


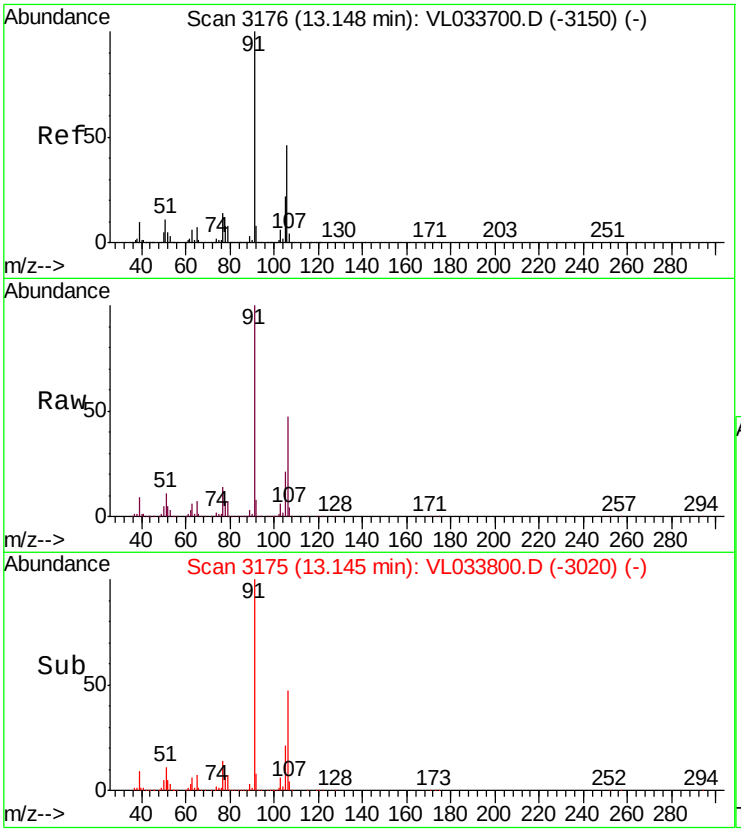


#58
Ethyl Benzene
Concen: 10.313 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 91 Resp: 3272961

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



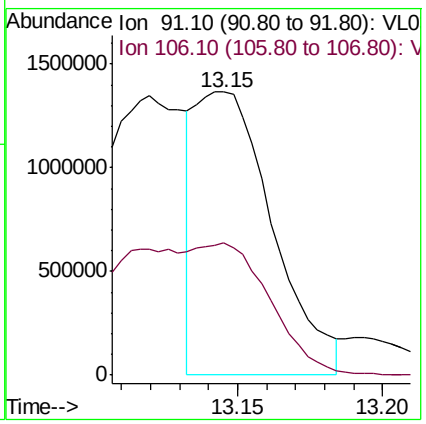


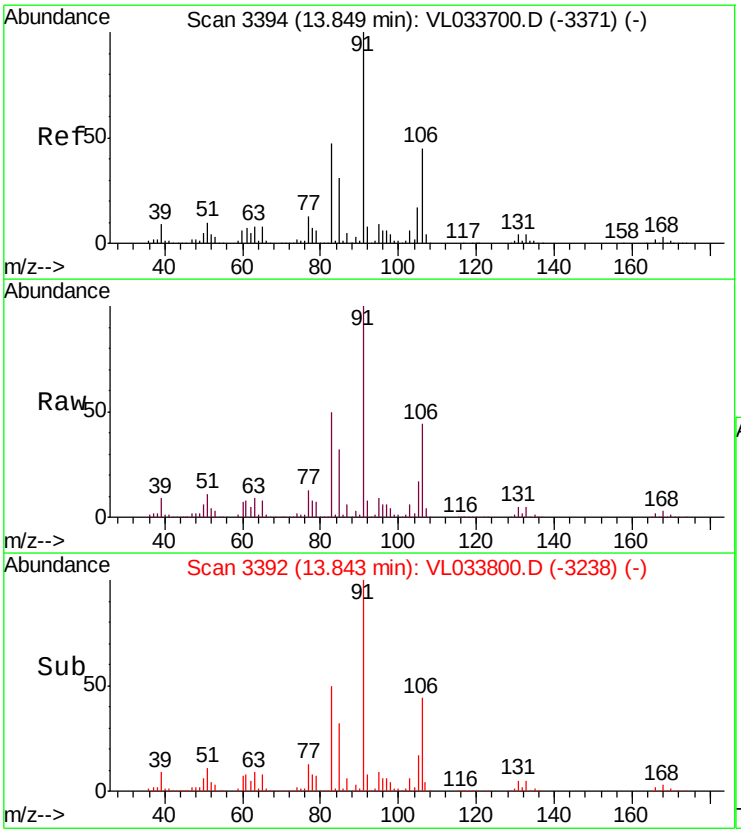
#59
m/p-Xylene
Concen: 9.048 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 91 Resp: 2510032

Ion	Ratio	Lower	Upper
91	100		
106	99.1	35.8	53.6#

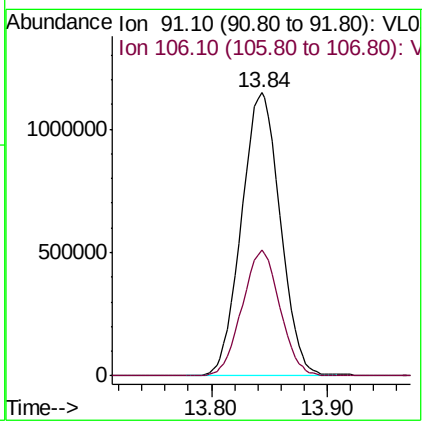


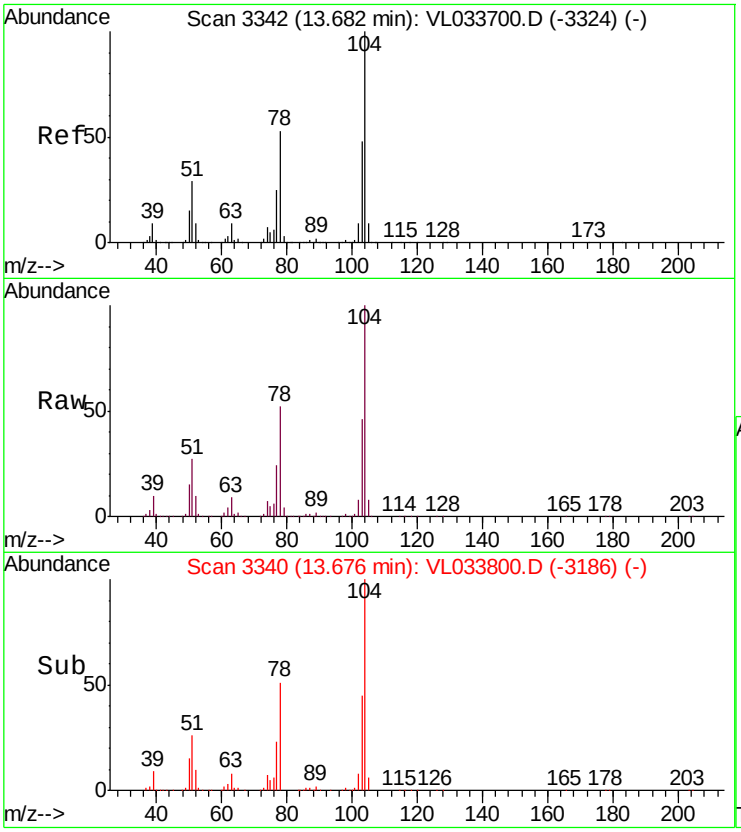


#60
o-Xylene
Concen: 9.543 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 91 Resp: 2668888

Ion	Ratio	Lower	Upper
91	100		
106	43.7	21.6	64.8



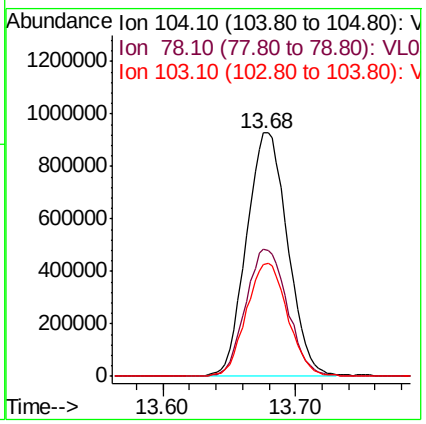


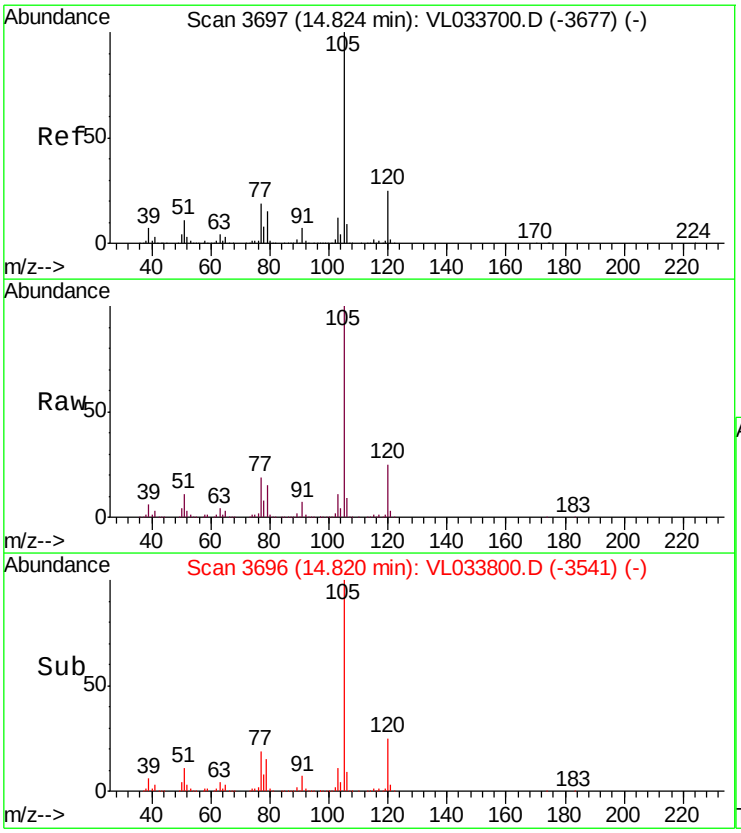
#61
Styrene
Concen: 10.656 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion:104 Resp: 2006462

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.6	64.0
103	46.8	37.8	56.6

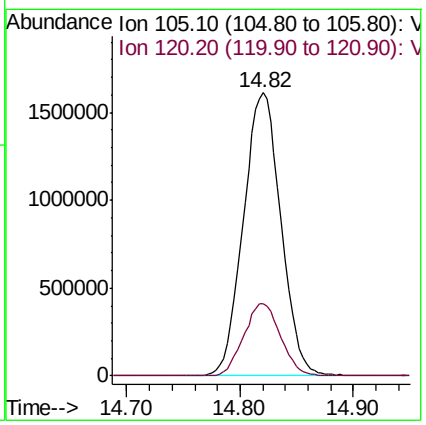


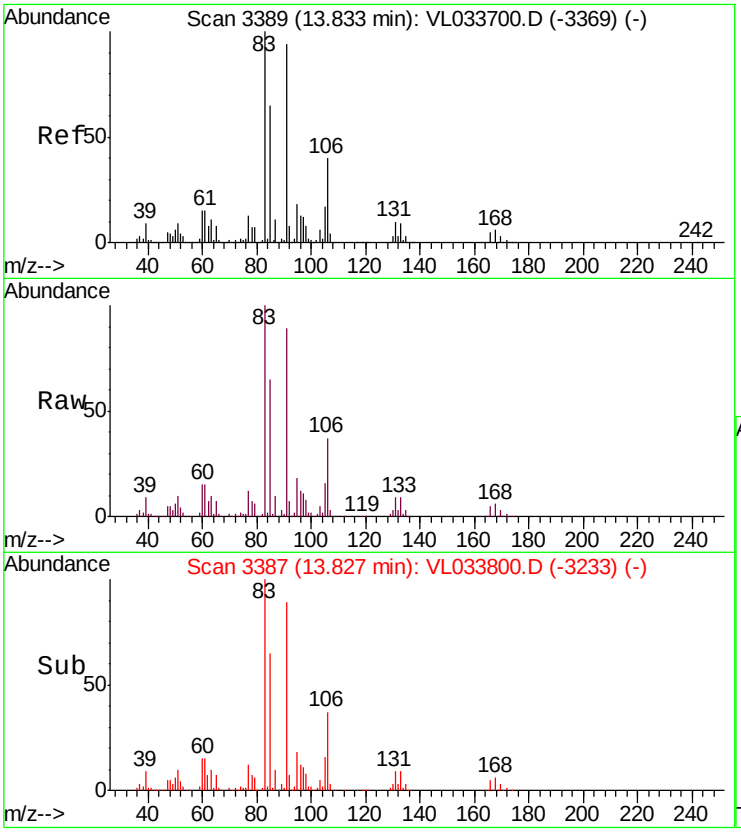


#62
Isopropylbenzene
Concen: 9.875 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:105 Resp: 3719180

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.1	30.1



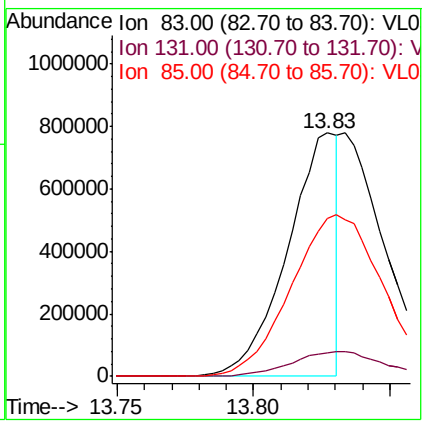


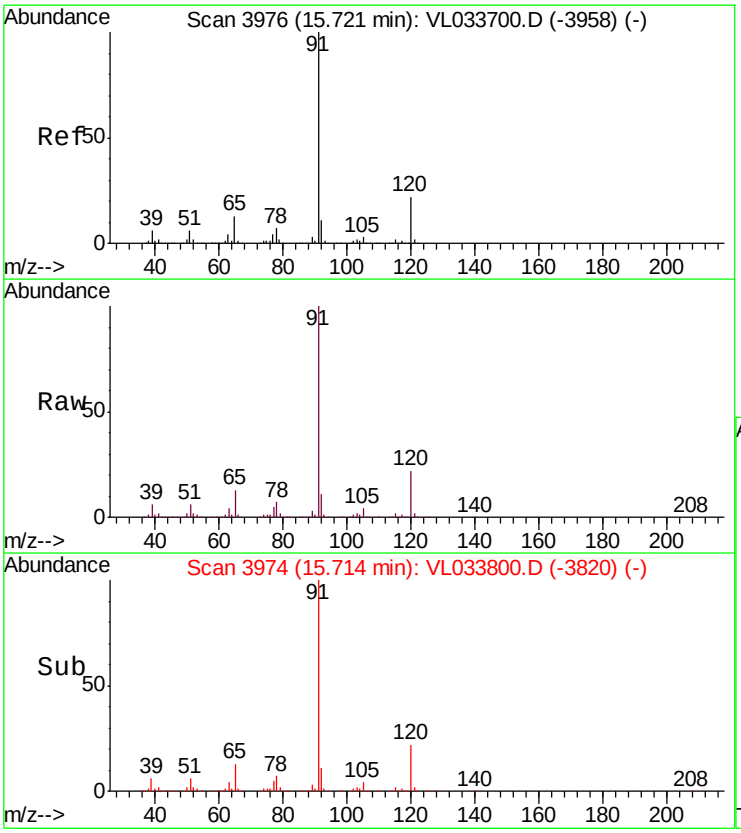
#63
1,1,2,2-Tetrachloroethane
Concen: 4.892 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion: 83 Resp: 994887

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	32.3	96.9#

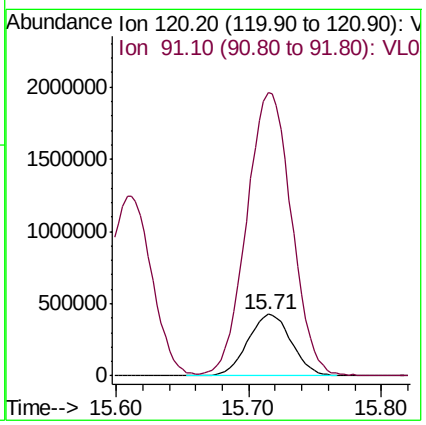


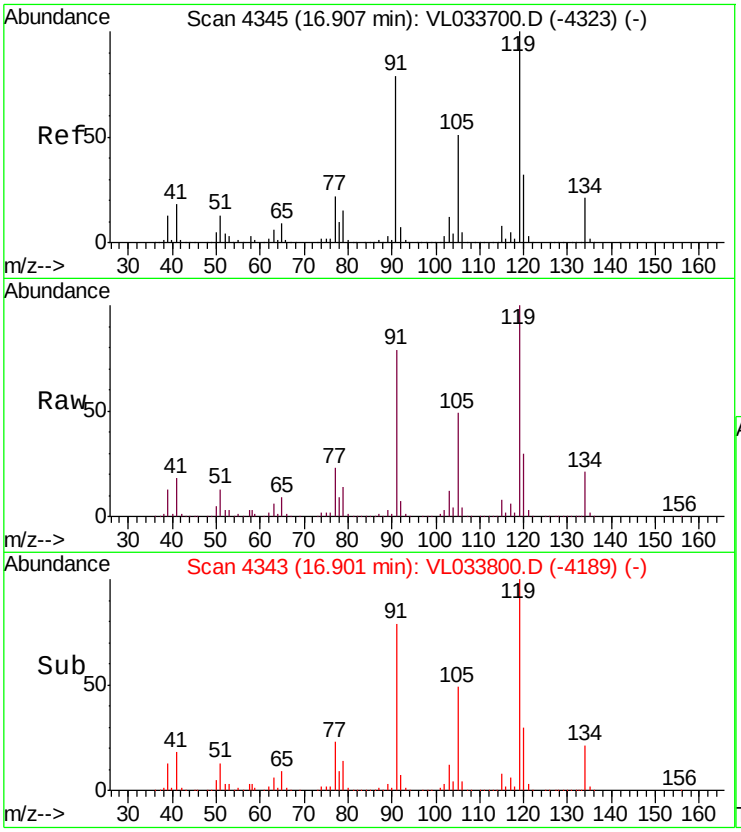


#64
n-propylbenzene
Concen: 10.011 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:120 Resp: 975229

Ion	Ratio	Lower	Upper
120	100		
91	475.9	379.1	568.7



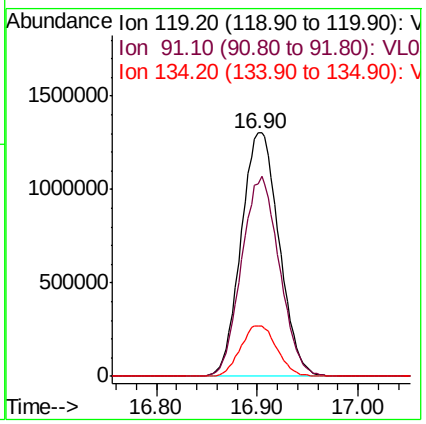


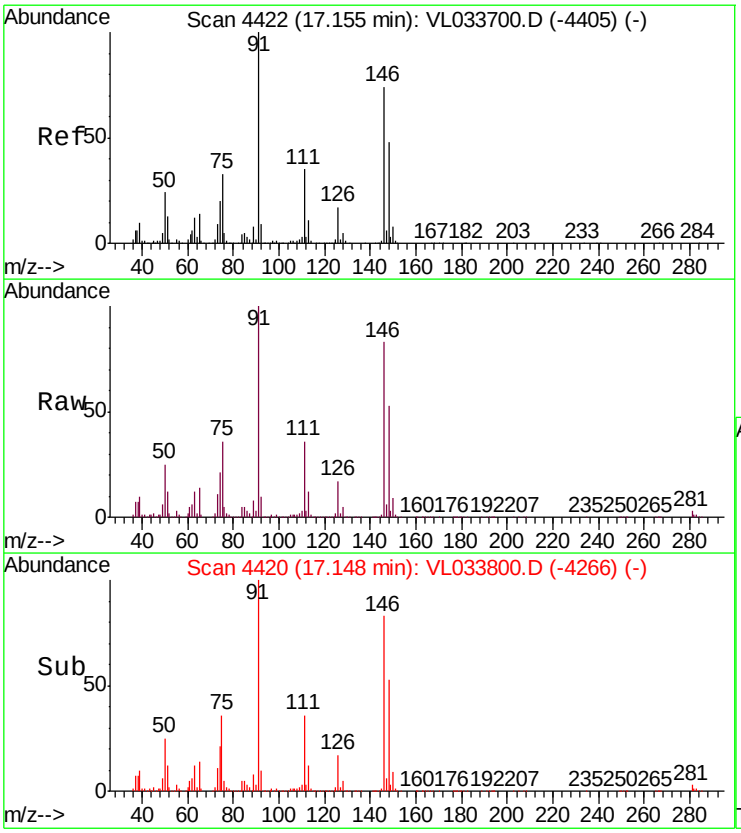
#65
tert-Butylbenzene
Concen: 9.887 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion:119 Resp: 3399673

Ion	Ratio	Lower	Upper
119	100		
91	82.0	65.3	97.9
134	19.8	15.7	23.5

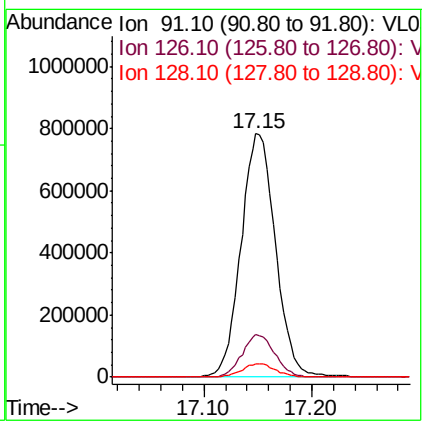


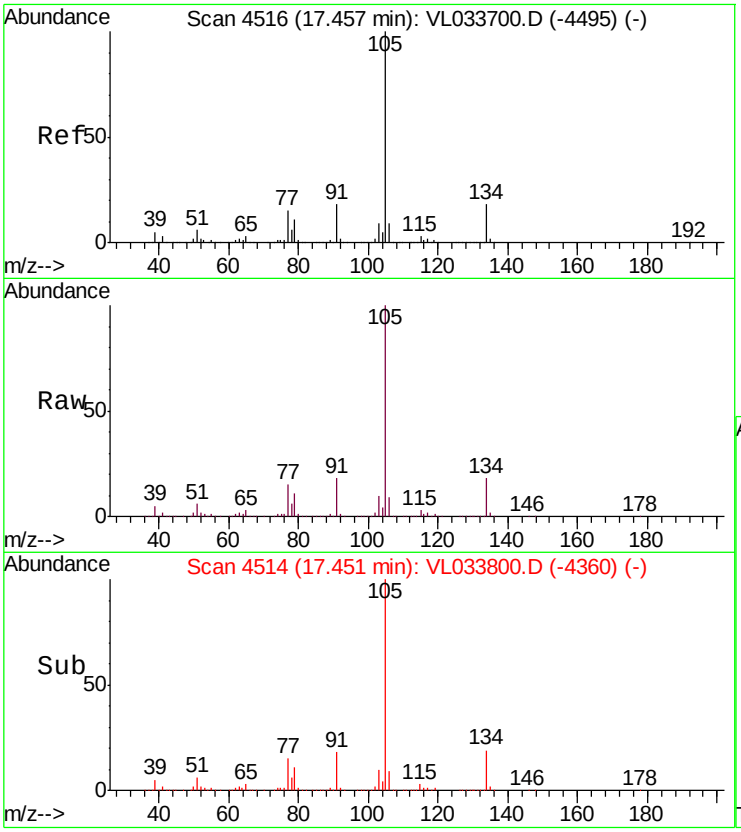


#66
Benzyl Chloride
Concen: 10.570 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 91 Resp: 1731108

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.5	20.3
128	5.4	4.3	6.5



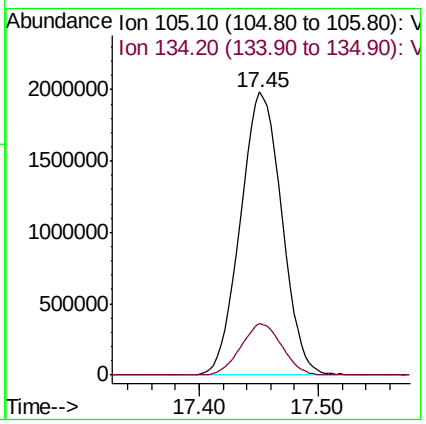


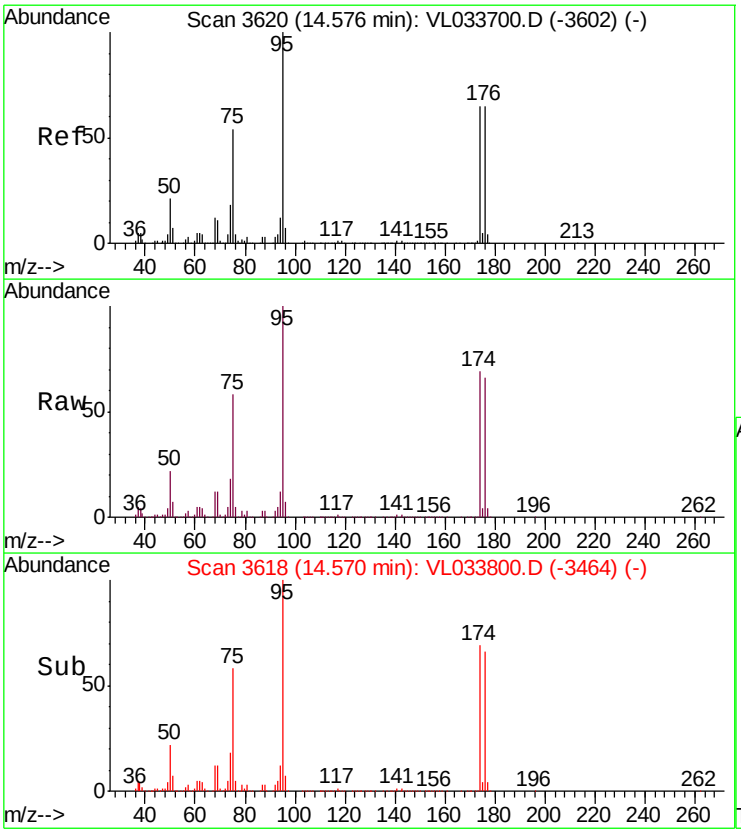
#67
sec-Butylbenzene
Concen: 9.915 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:105 Resp: 4771979

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	22.0

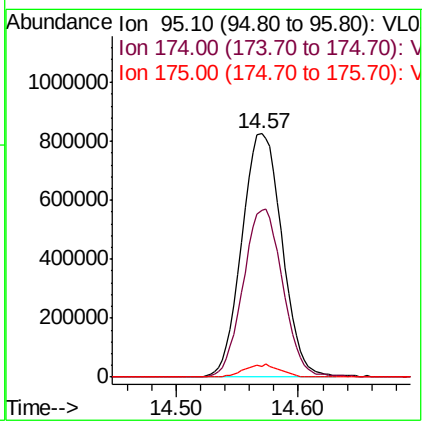


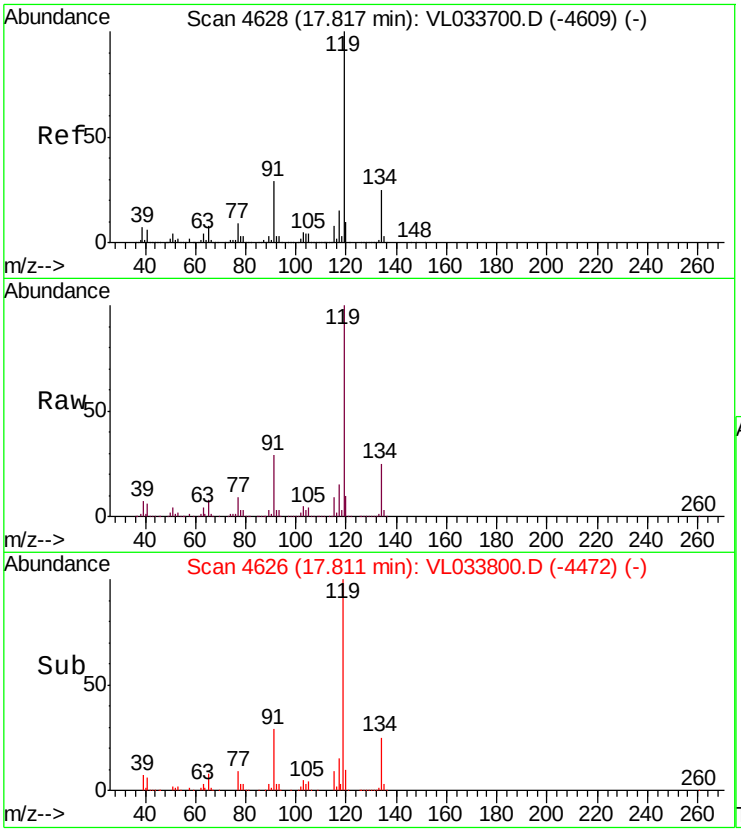


#68
1-Bromo-4-Fluorobenzene
Concen: 9.701 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 95 Resp: 1884821

Ion	Ratio	Lower	Upper
95	100		
174	68.1	53.9	80.9
175	4.7	3.8	5.8



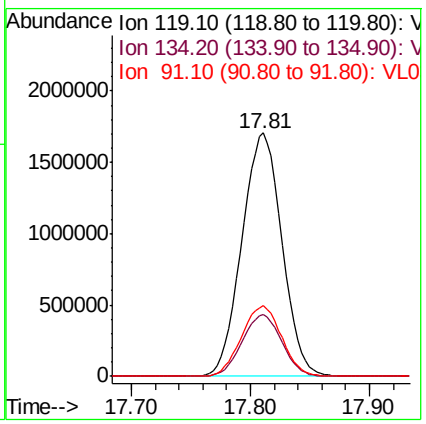


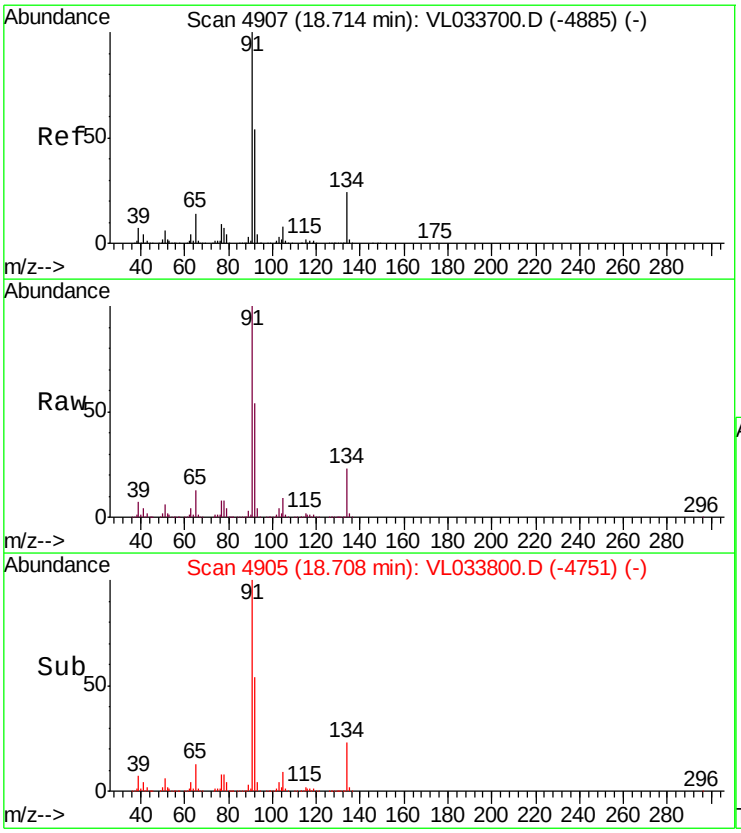
#69
p-Isopropyltoluene
Concen: 9.998 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:119 Resp: 3977132

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.1	23.1	34.7

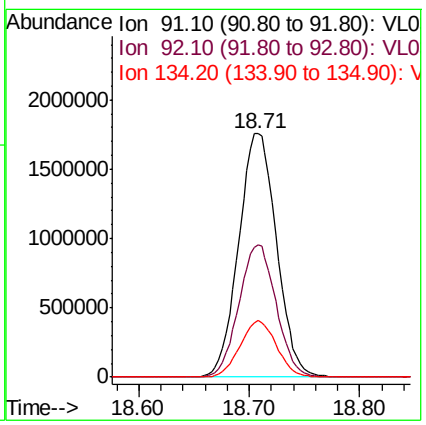


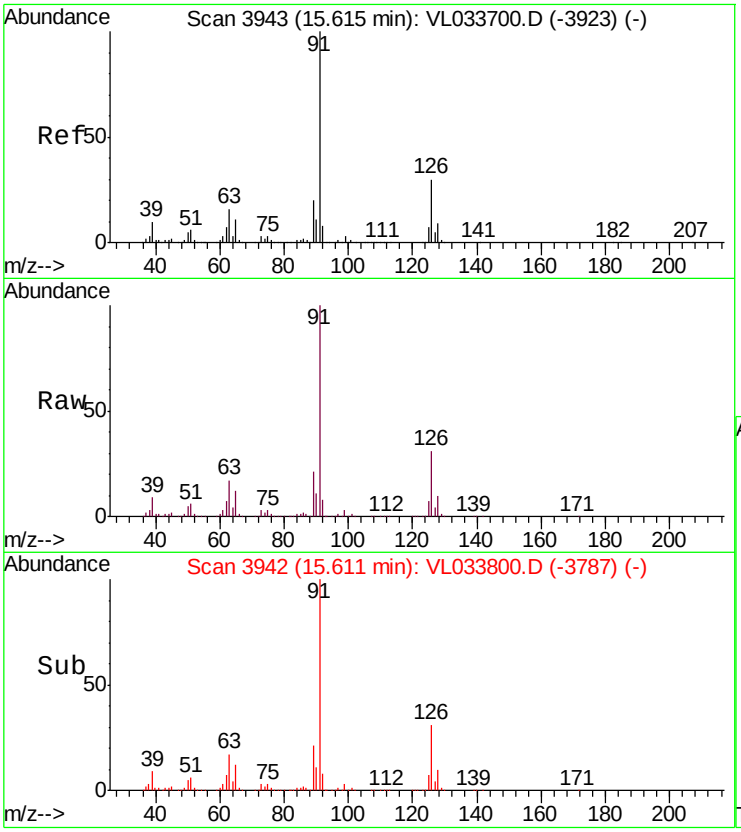


#70
n-Butylbenzene
Concen: 9.798 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion: 91 Resp: 4179541

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	63.8
134	22.4	18.1	27.1



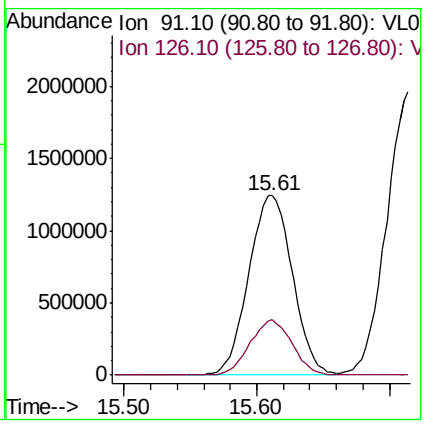


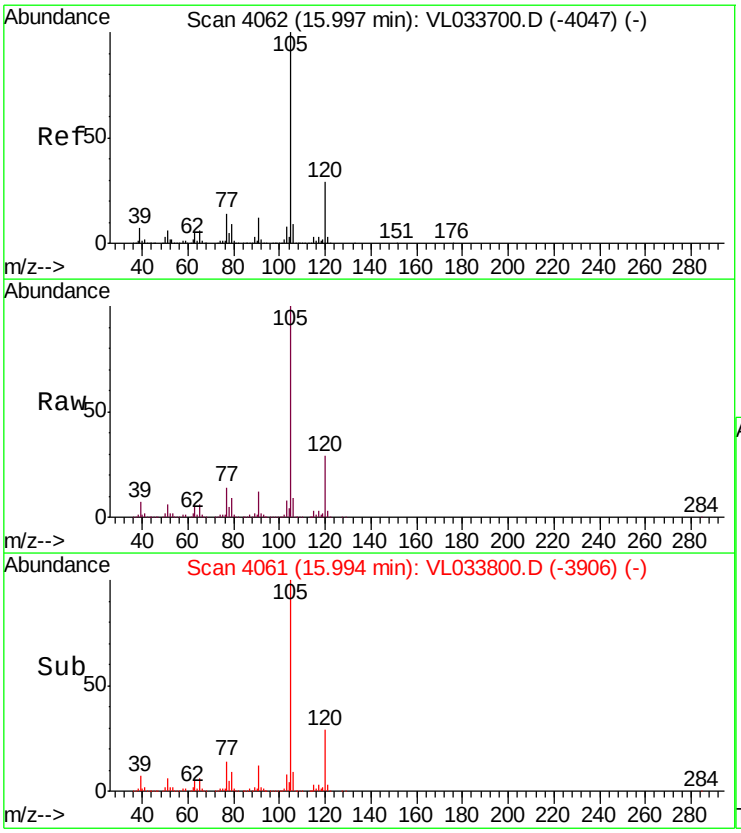
#71
2-Chlorotoluene
Concen: 10.209 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion: 91 Resp: 2852677

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.0	47.8

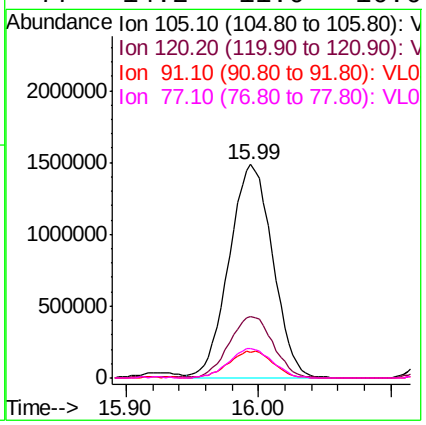


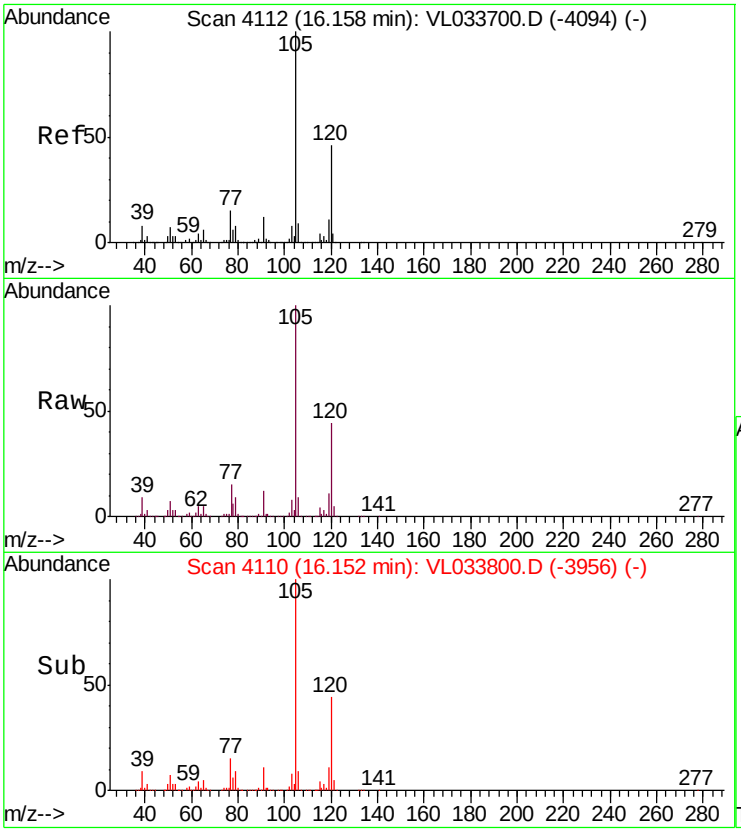


#72
4-Ethyltoluene
Concen: 10.601 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:105 Resp: 3389616

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.1	34.7
91	12.9	10.4	15.6
77	14.2	11.0	16.6



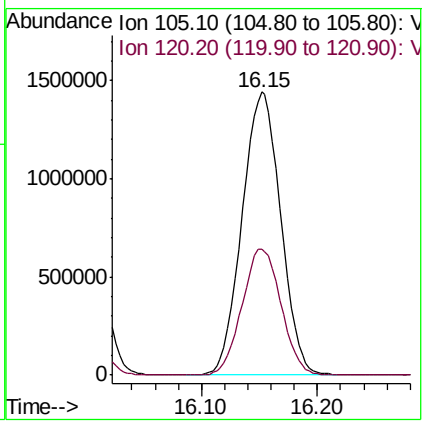


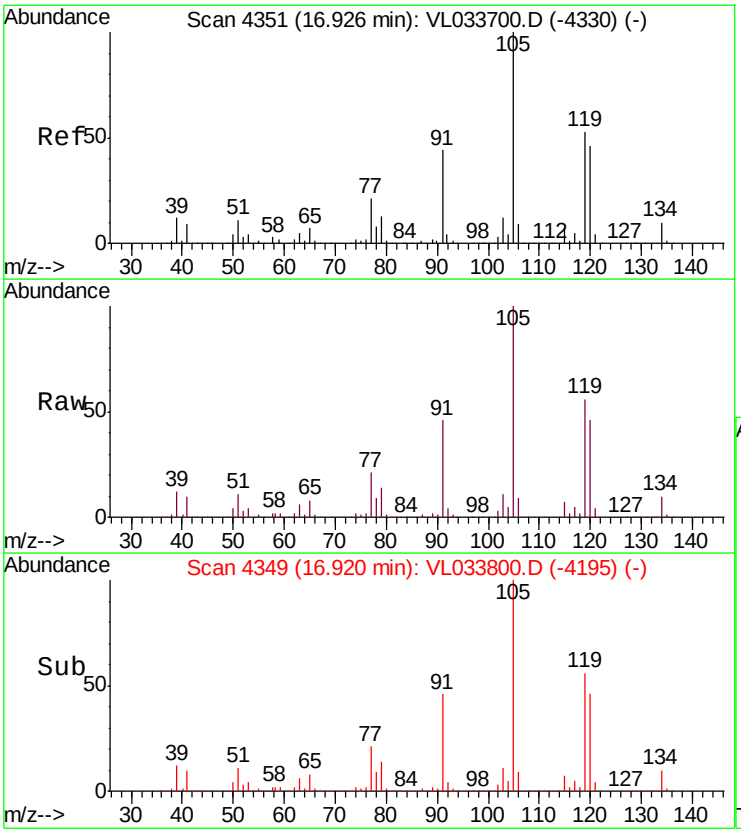
#73
1,3,5-Trimethylbenzene
Concen: 10.675 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:105 Resp: 3330543

Ion	Ratio	Lower	Upper
105	100		
120	44.4	37.0	55.4

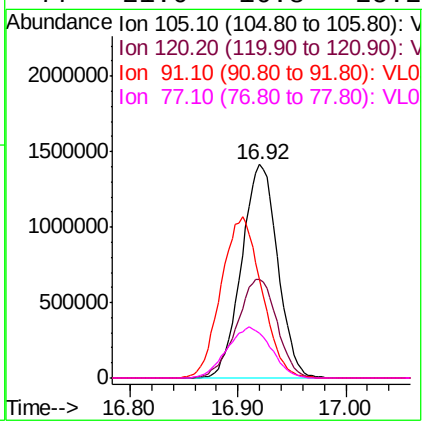


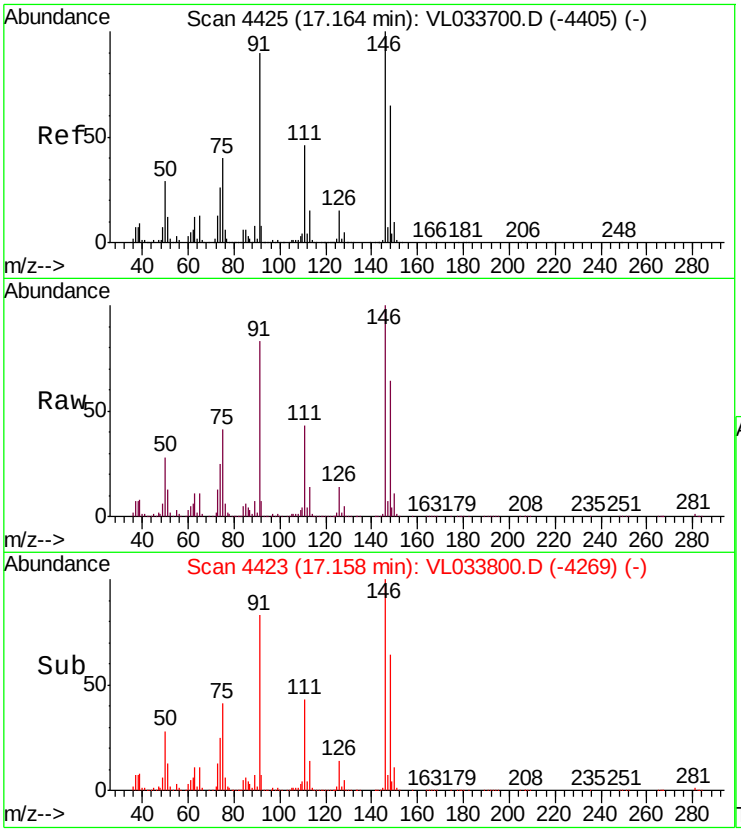


#74
1,2,4-Trimethylbenzene
Concen: 9.666 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:105 Resp: 3282067

Ion	Ratio	Lower	Upper
105	100		
120	46.3	36.8	55.2
91	46.2	35.4	53.0
77	21.0	16.8	25.2



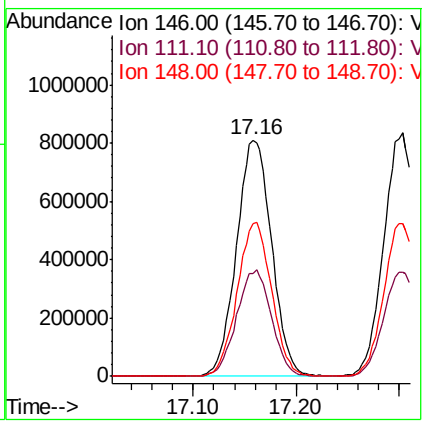


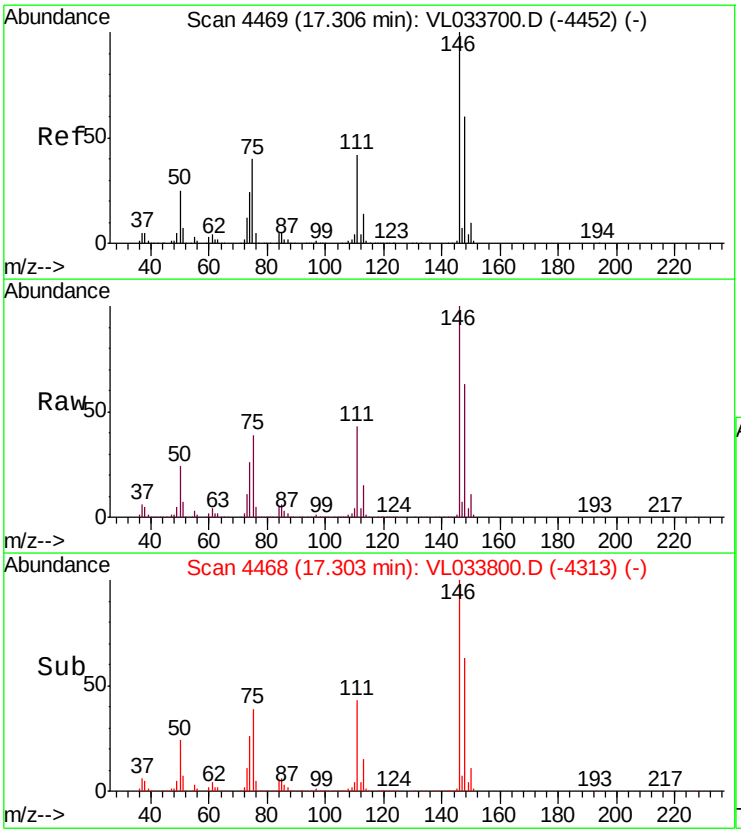
#75
1,3-Dichlorobenzene
Concen: 9.255 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument : MSVOA_L
ClientSampleId : VL0528ABS01

Tgt Ion:146 Resp: 1925515

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.9	68.8
148	63.8	32.0	96.2

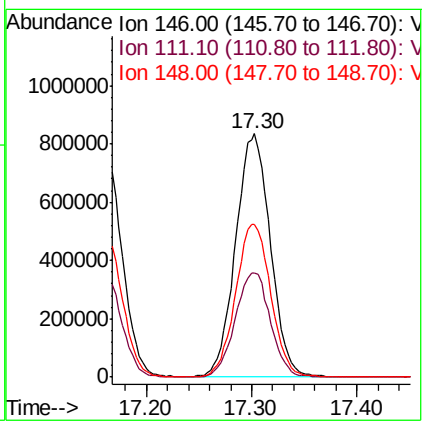


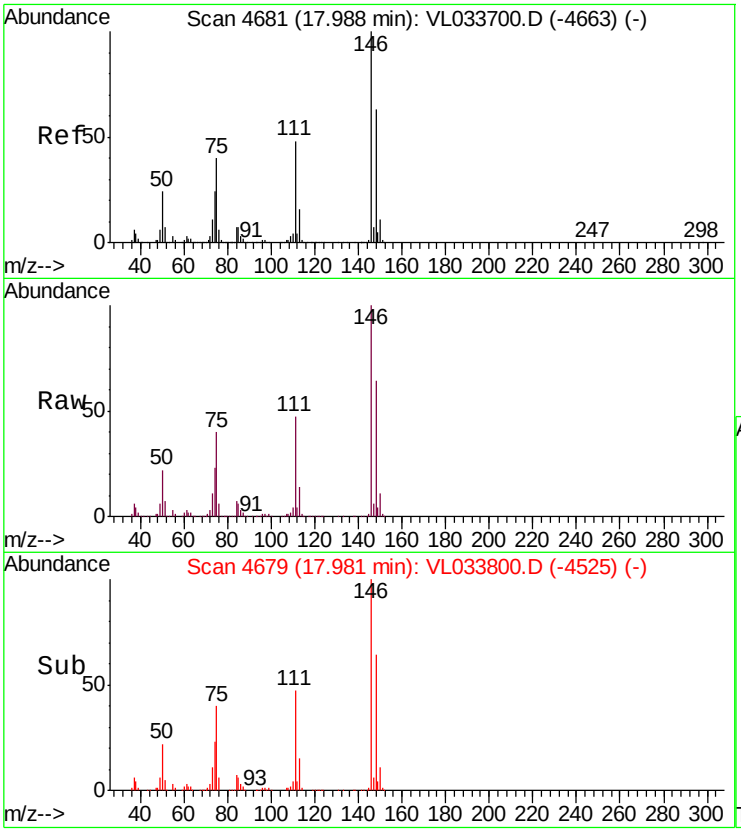


#76
1,4-Dichlorobenzene
Concen: 9.598 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:146 Resp: 1897905

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.8
148	64.0	32.1	96.3



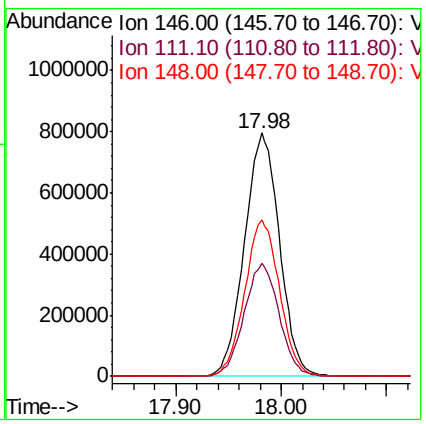


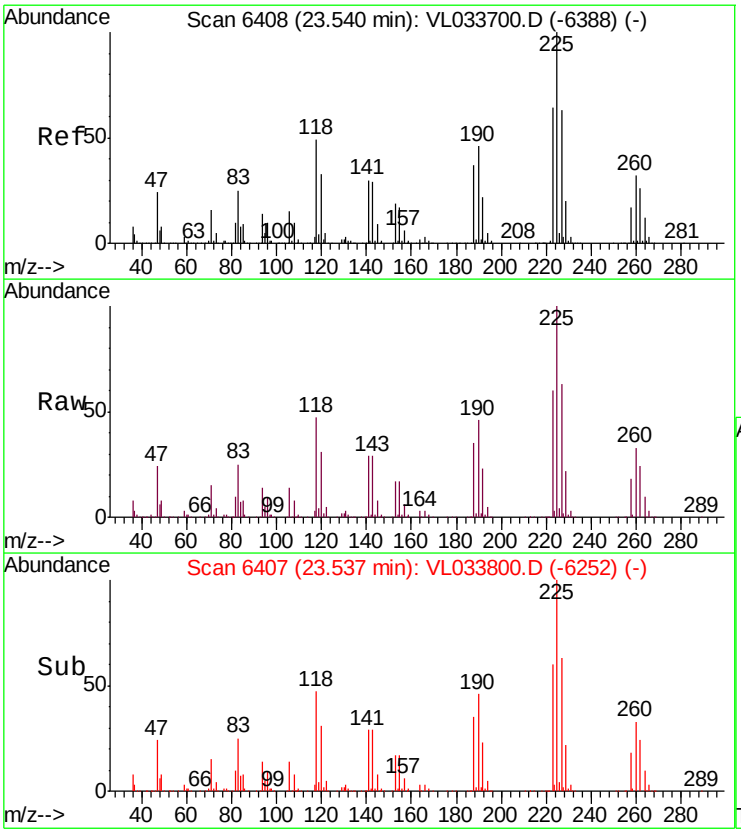
#77
1,2-Dichlorobenzene
Concen: 9.431 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:146 Resp: 1843829

Ion	Ratio	Lower	Upper
146	100		
111	46.3	23.5	70.5
148	63.8	32.1	96.3

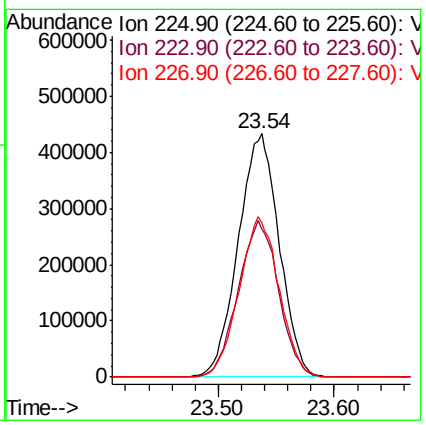


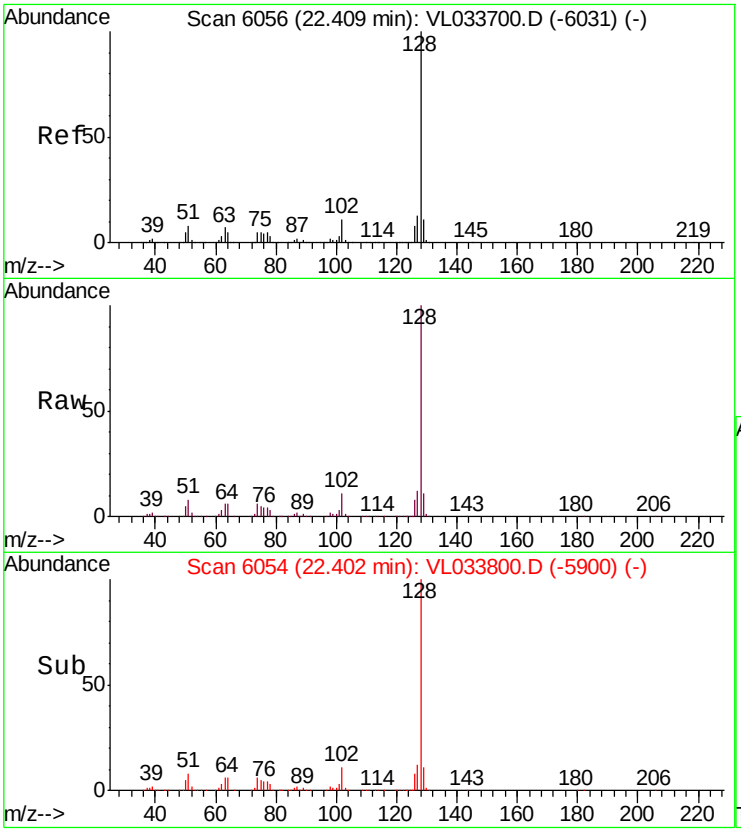


#78
Hexachloro-1,3-Butadiene
Concen: 7.186 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:225 Resp: 1062122

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.2	75.4
227	64.2	50.7	76.1



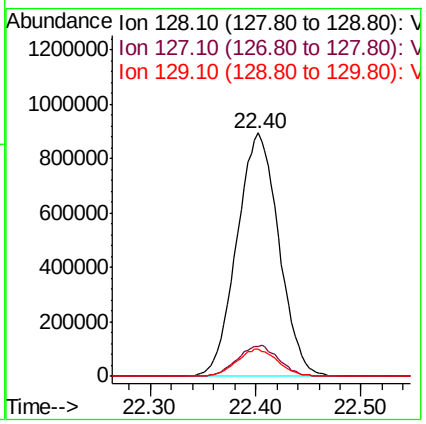


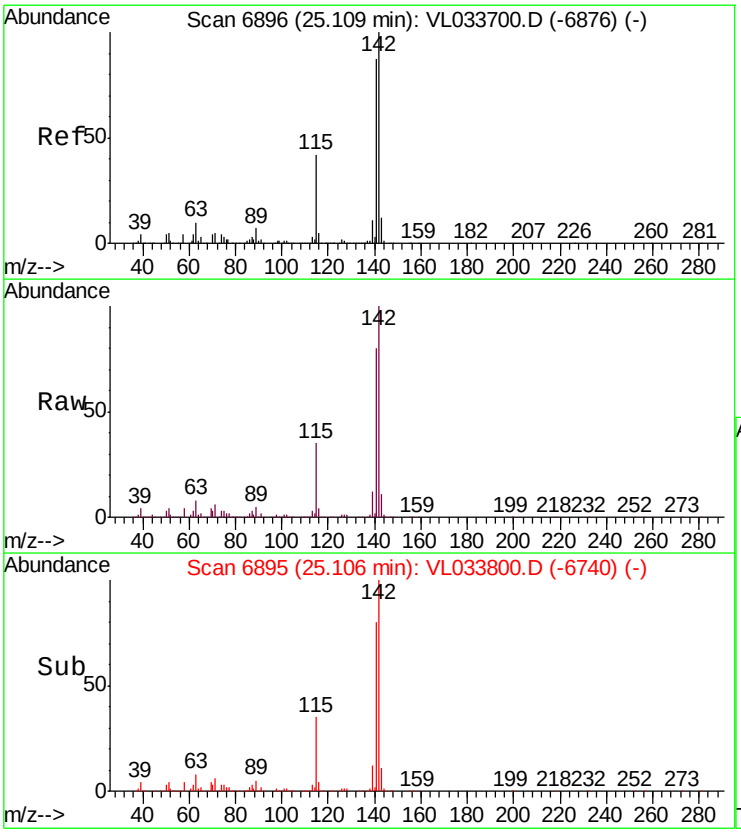
#79
Naphthalene
Concen: 7.834 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:128 Resp: 2470499

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	11.2	8.9	13.3

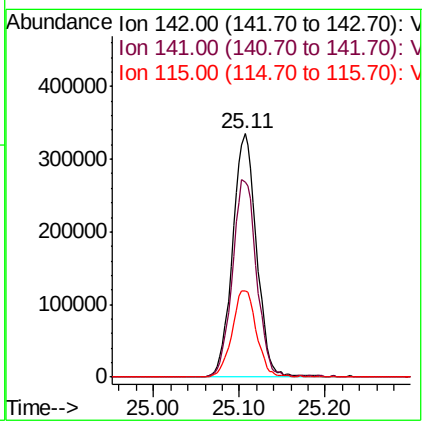


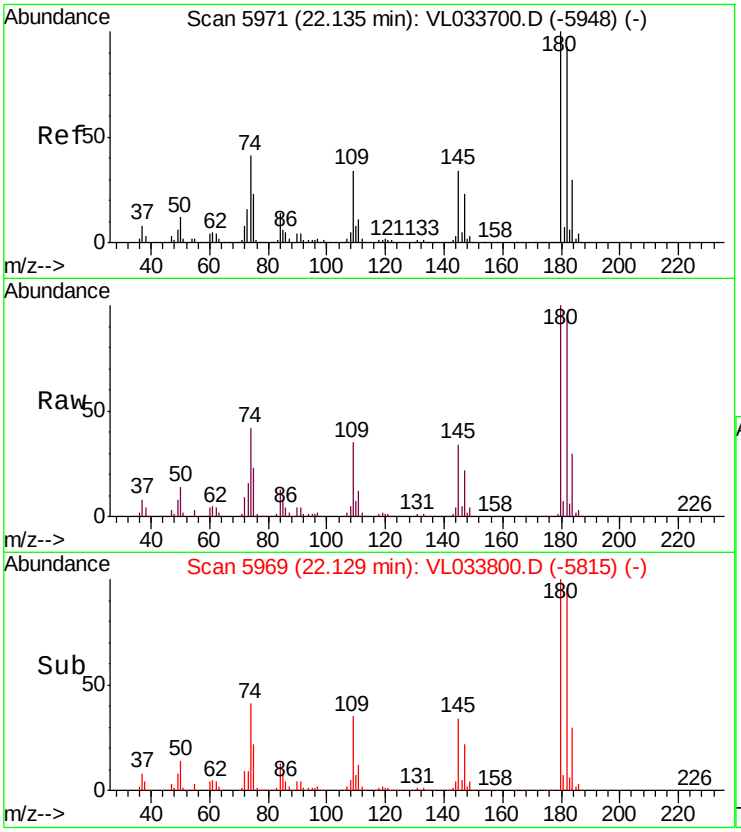


#80
Naphthalene,2-methyl-
Concen: 5.405 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Tgt Ion:142 Resp: 647705

Ion	Ratio	Lower	Upper
142	100		
141	81.4	67.2	100.8
115	36.7	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 7.851 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033800.D
Acq: 28 May 2019 11:08

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS01

Tgt Ion:180 Resp: 1449771

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	30.5	24.6	37.0