Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

Quantitation Report (Not Reviewed)

Data File : VL033175.D
Acq On : 6 Feb 2019 5:42
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Feb 20 05:10:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	874722	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2634827	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2731871	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2046404	9.61	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2359990	14.112	ppbv	97
3) Chlorodifluoromethane	3.01	51	1501868	14.260	ppbv	99
4) Chloromethane	3.17	50	805868	14.490	ppbv	99
5) Vinyl Chloride	3.29	62	785398	13.514	ppbv	96
6) Bromomethane	3.52	94	465483	14.584	ppbv	99
7) Chloroethane	3.60	64	279795	14.738	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1770063	13.533	ppbv	100
9) Propene	3.04	41	710356	13.962	ppbv	99
10) Heptane	8.25	43	2166858	14.077	ppbv	99
11) Trichlorofluoromethane	4.00	101	1959057	14.470	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1312243	13.985	ppbv	99
13) Ethanol	3.65	45	76894	4.532	ppbv #	37
14) Bromoethene	3.79	108	588875	14.555	ppbv	99
15) Acetone	3.90	43	1324952	13.445	ppbv	99
16) 1,3-Butadiene	3.36	39	666803	14.254	ppbv	97
17) tert-Butyl alcohol	4.36	59	239685	12.757	ppbv	100
18) 1,1-Dichloroethene	4.35	96	606901	14.449	ppbv	97
19) Isopropyl Alcohol	4.02	45	825823	12.356	ppbv	99
20) Methylene Chloride	4.41	84	517596	13.204	ppbv	95
21) Allyl Chloride	4.48	41	979064	15.046	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	613019	15.028	ppbv	95
23) Vinyl Acetate	5.16	43	2537769	14.858	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1698810	14.062	ppbv	99
25) Ethyl Acetate	5.77	43	2880484	13.000	ppbv	100
26) Hexane	5.78	57	1304325	12.539	ppbv	99
27) Carbon Disulfide	4.62	76	1549475	16.260	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	2005192	14.107	ppbv	100
29) Chloroform	5.85	83	2151195	13.495	ppbv	99
30) Cyclohexane	7.25	84	1422214	14.736	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1428661	13.722	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	2535489	14.445	ppbv	99
34) 2-Butanone	5.33	43	2014071	12.051	ppbv	99
35) Carbon Tetrachloride	7.14	117	2619475	13.018	ppbv	97
36) Benzene	7.01	78	3476616	13.019	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1988231	13.435	ppbv	99
38) Trichloroethene	7.97	130	1233029	10.782	ppbv	97
39) 1,2-Dichloropropane	7.74	63	1325220	12.566	ppbv	99
40) 1,4-Dioxane	7.96	88	409914	10.695	ppbv	86
41) Tetrahydrofuran	6.15	42	1217850	11.772	ppbv	99
42) Bromodichloromethane	7.92	83	2814454	13.124	ppbv	100
43) Methyl Methacrylate	8.14	69	1426848	13.309	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

Quantitation Report (Not Reviewed)

Data File : VL033175.D
Acq On : 6 Feb 2019 5:42
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Feb 20 05:10:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5429945	12.000	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1860354	15.620	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	2089708	13.775	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	1358660	12.414	ppbv		97
48) Dibromochloromethane	10.46	129	2401096	13.936	ppbv		100
49) Bromoform	13.21	173	2119381	14.298	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	3369937	12.574	ppbv		100
51) 2-Hexanone	10.27	43	2868565	13.575	ppbv	#	100
52) Tetrachloroethene	11.38	164	1198978	11.687	ppbv		98
53) Toluene	9.96	91	3907363	12.357	ppbv		100
54) 1,2-Dibromoethane	10.77	107	2224343	12.961	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1620587	12.735	ppbv		95
57) Chlorobenzene	12.31	112	2856804	11.812	ppbv		98
58) Ethyl Benzene	12.87	91	5475317	12.208	ppbv		100
59) m/p-Xylene	13.16	91	4359201	11.684	ppbv	#	29
60) o-Xylene	13.86	91	4232461	11.634	ppbv		100
61) Styrene	13.69	104	3425401	12.473	ppbv		99
62) Isopropylbenzene	14.83	105	6117756	11.919	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2942684	10.349	ppbv		98
64) n-propylbenzene	15.73	120	1579943	12.108	ppbv		97
65) tert-Butylbenzene	16.92	119	5157040	11.539	ppbv		99
66) Benzyl Chloride	17.17	91	2894279	18.119	ppbv		100
67) sec-Butylbenzene	17.47	105	7491704	11.547	ppbv		100
69) p-Isopropyltoluene	17.83	119	6199936	11.474	ppbv		100
70) n-Butylbenzene	18.72	91	6564513	11.261	ppbv		99
71) 2-Chlorotoluene	15.62	91	4821553	11.955	ppbv		99
72) 4-Ethyltoluene	16.01	105	5160886	12.300	ppbv		100
73) 1,3,5-Trimethylbenzene	16.17	105	4881838	12.166	ppbv		99
74) 1,2,4-Trimethylbenzene	16.94	105	4766705	11.453	ppbv		94
75) 1,3-Dichlorobenzene	17.18	146	2780495	11.584	ppbv		99
76) 1,4-Dichlorobenzene	17.32	146	2864726	12.046	ppbv		100
77) 1,2-Dichlorobenzene	18.00	146	2798821	11.799	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	1460759	12.385	ppbv		100
79) Naphthalene	22.42	128	5278913	11.803	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	2530171	11.185	ppbv		100
81) 1,2,4-Trichlorobenzene	22.15	180	2581000	11.360	ppbv		99

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

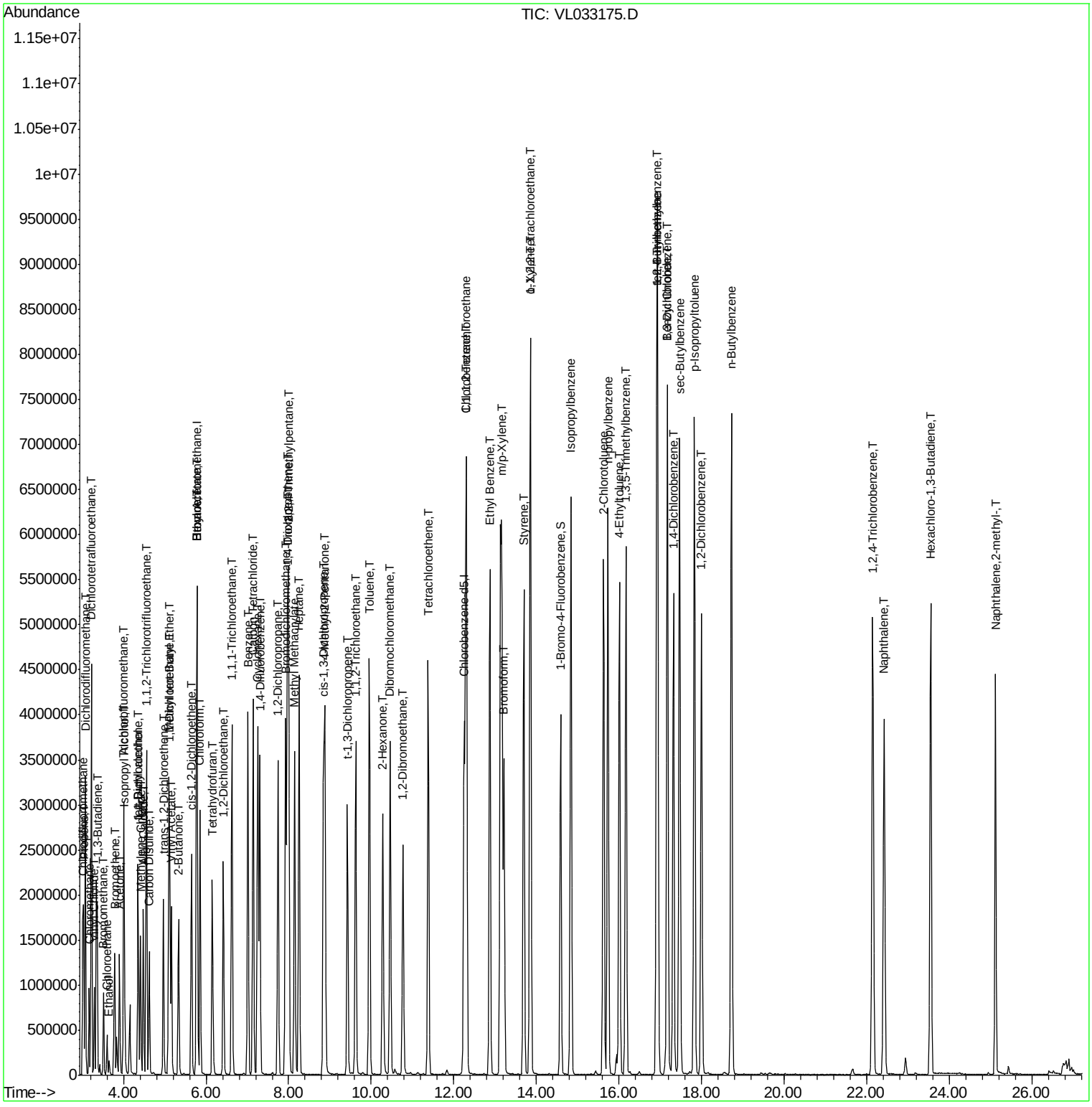
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

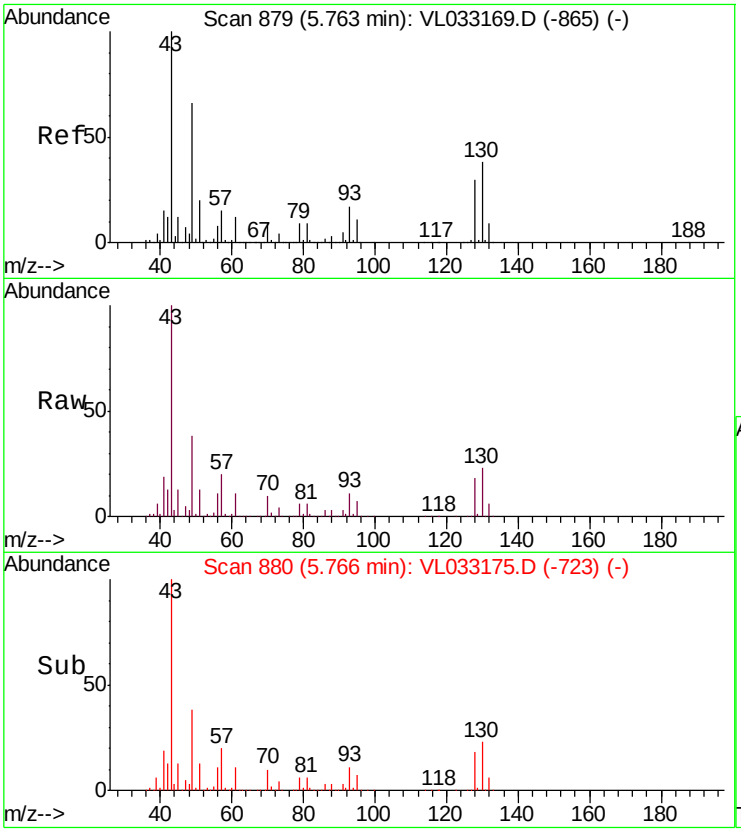
Quantitation Report (Not Reviewed)

Data File : VL033175.D
Acq On : 6 Feb 2019 5:42
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Feb 20 05:10:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration



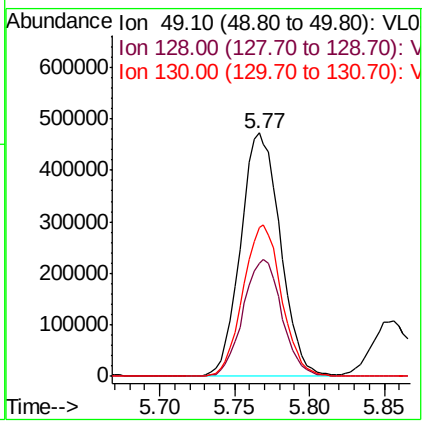


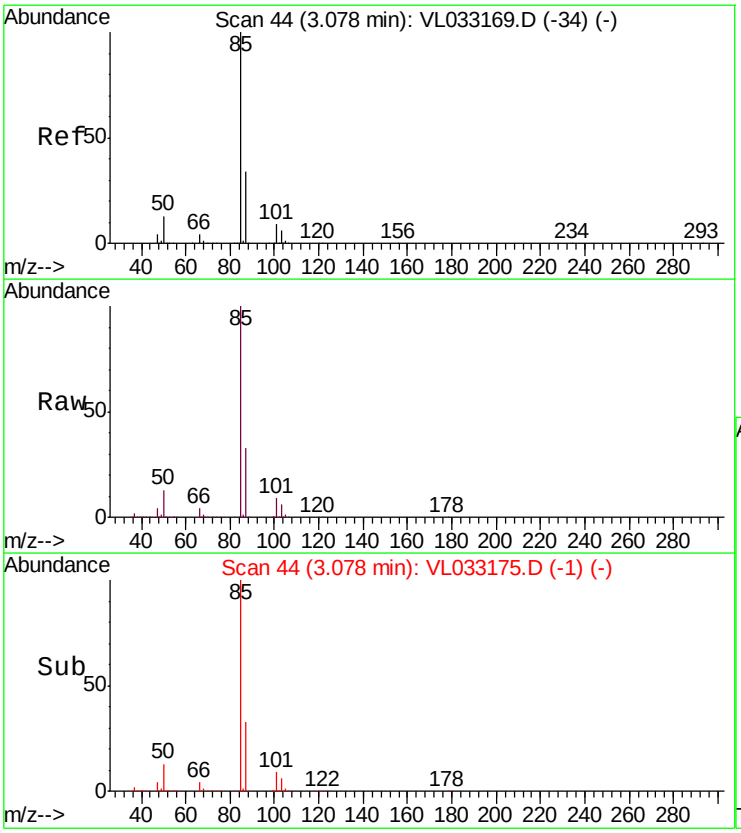
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 874722

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.6	71.0
130	60.5	30.3	91.0

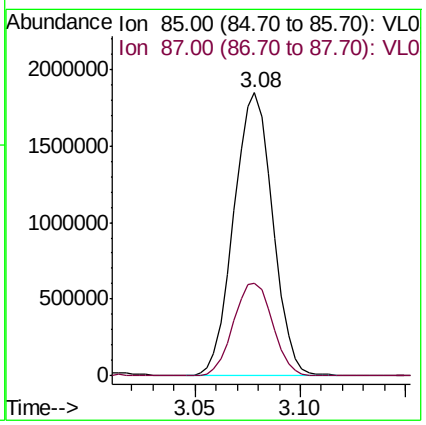


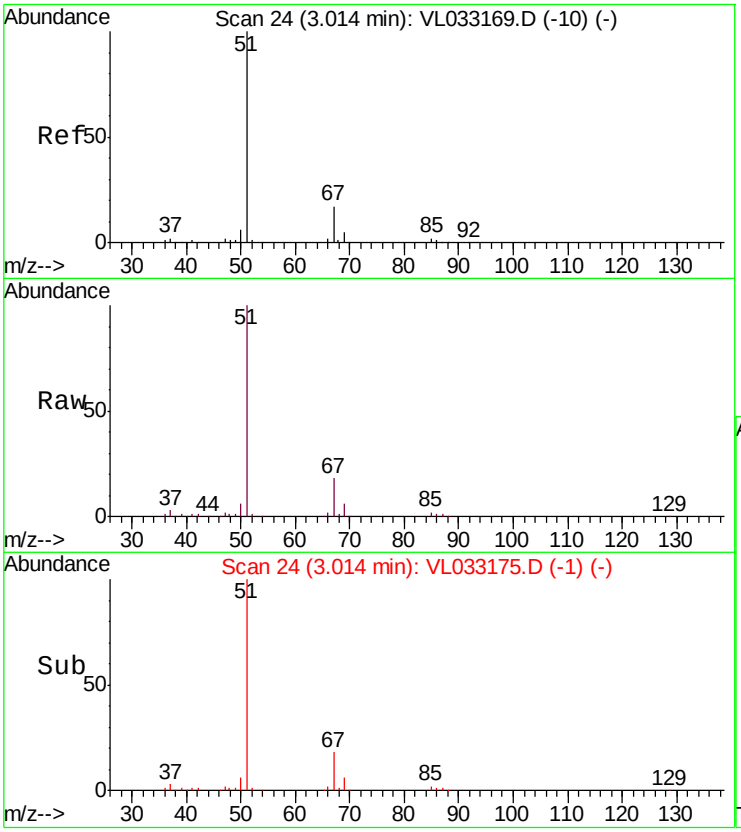


#2
Dichlorodifluoromethane
Concen: 14.112 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 85 Resp: 2359990

Ion	Ratio	Lower	Upper
85	100		
87	32.8	27.4	41.2



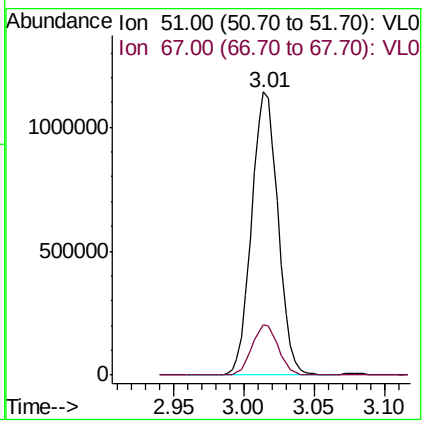


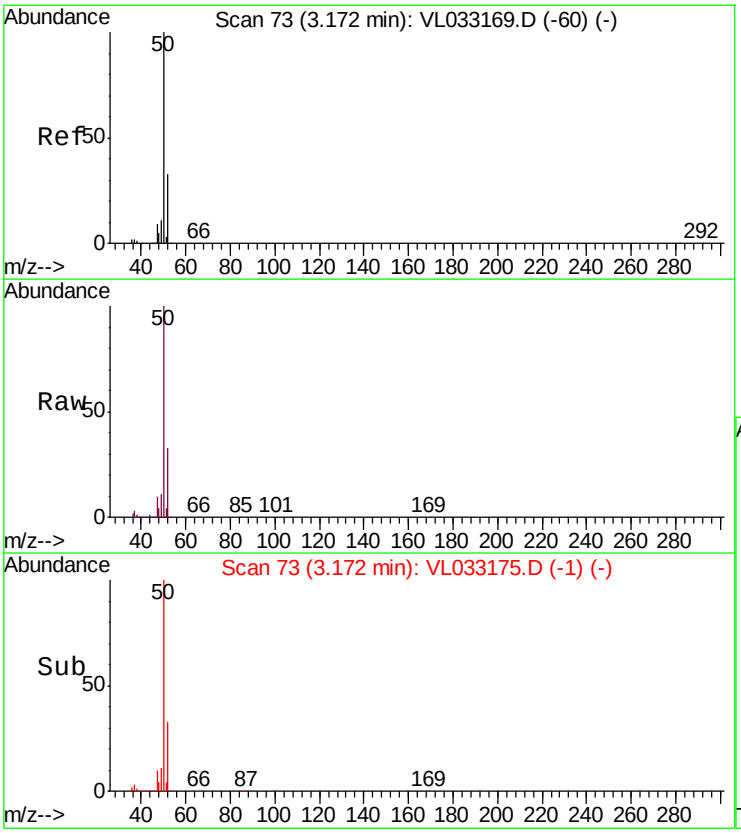
#3
Chlorodifluoromethane
Concen: 14.260 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 51 Resp: 1501868

Ion	Ratio	Lower	Upper
51	100		
67	17.9	14.0	21.0

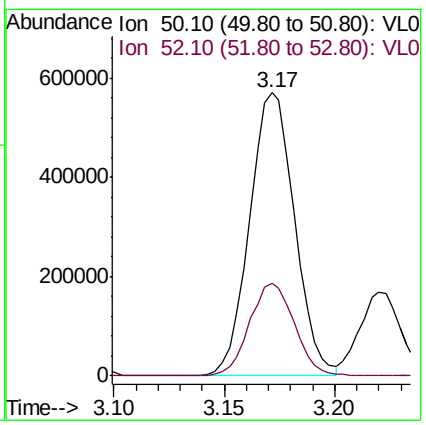


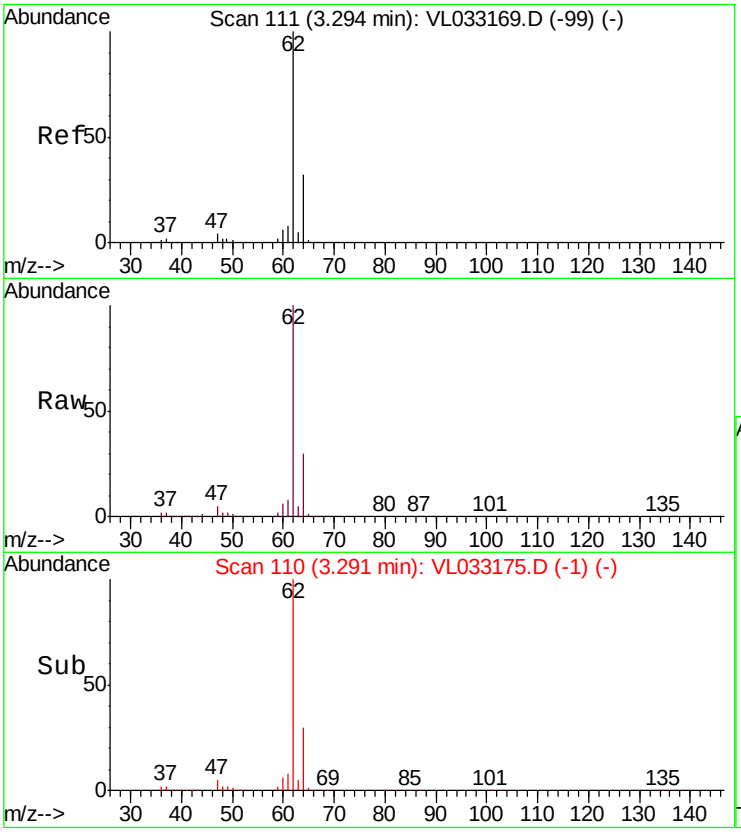


#4
Chloromethane
Concen: 14.490 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 50 Resp: 805868

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.5	39.7



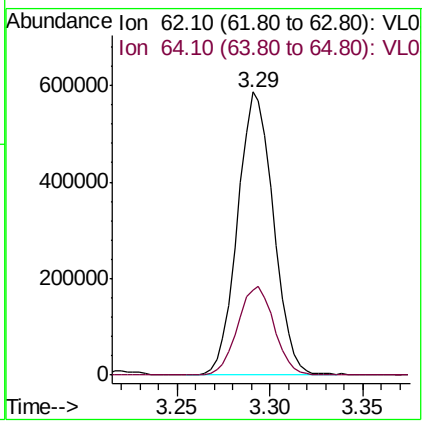


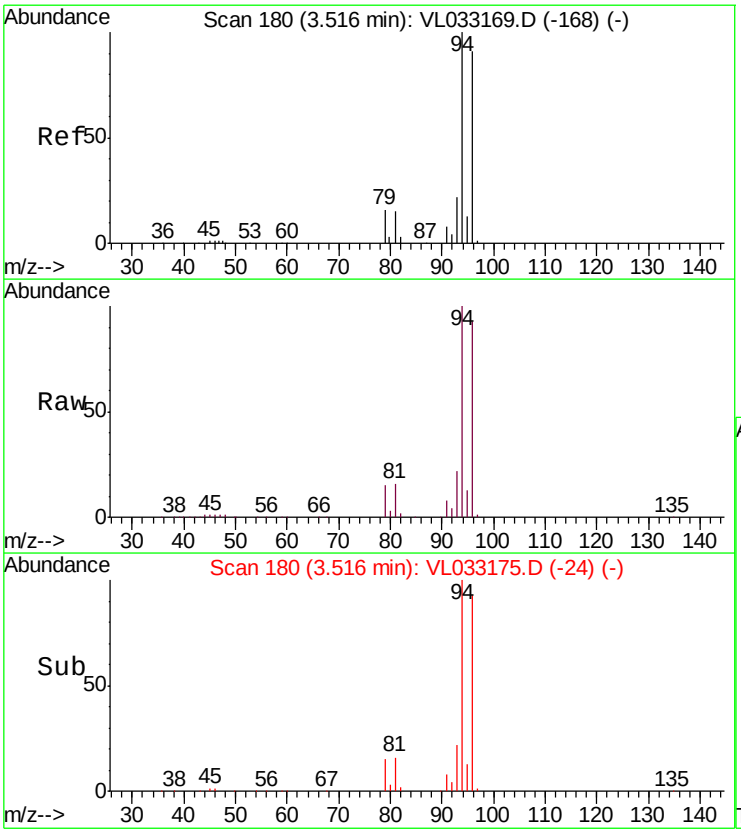
#5
Vinyl Chloride
Concen: 13.514 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 785398

Ion	Ratio	Lower	Upper
62	100		
64	30.0	25.6	38.4

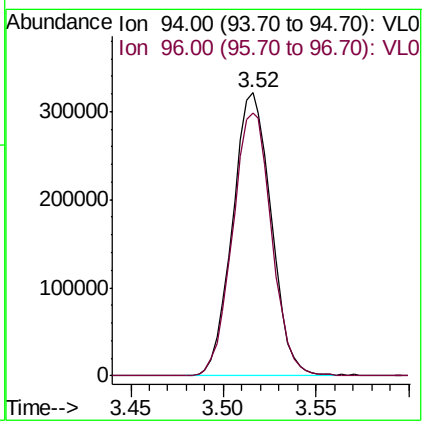


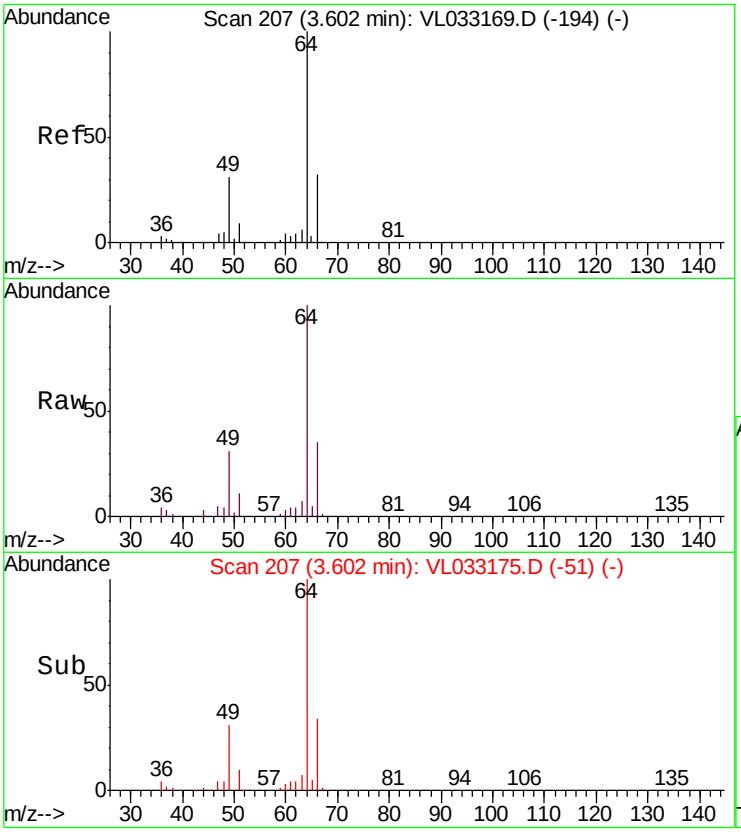


#6
Bromomethane
Concen: 14.584 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 94 Resp: 465483

Ion	Ratio	Lower	Upper
94	100		
96	92.8	73.2	109.8



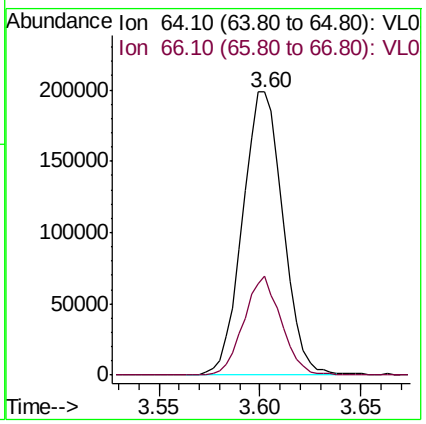


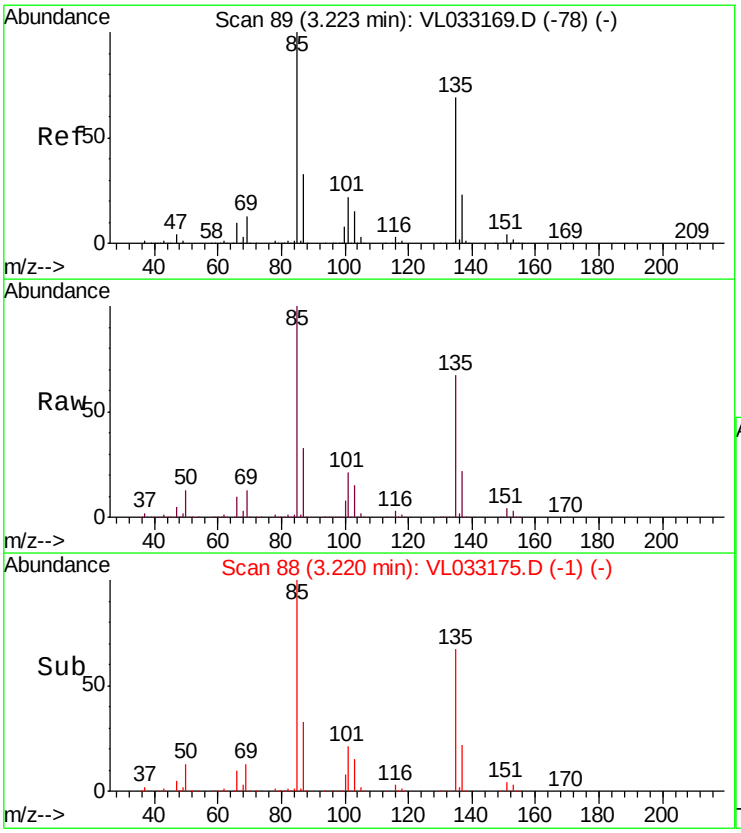
#7
Chloroethane
Concen: 14.738 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 279795

Ion	Ratio	Lower	Upper
64	100		
66	34.8	26.0	39.0

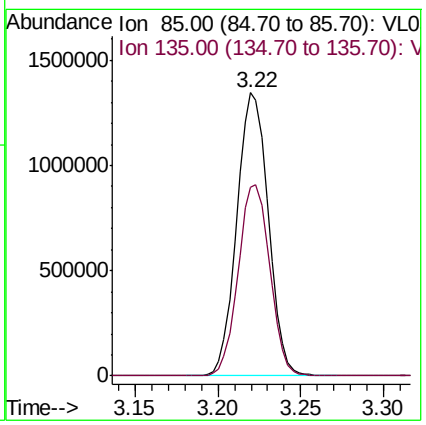


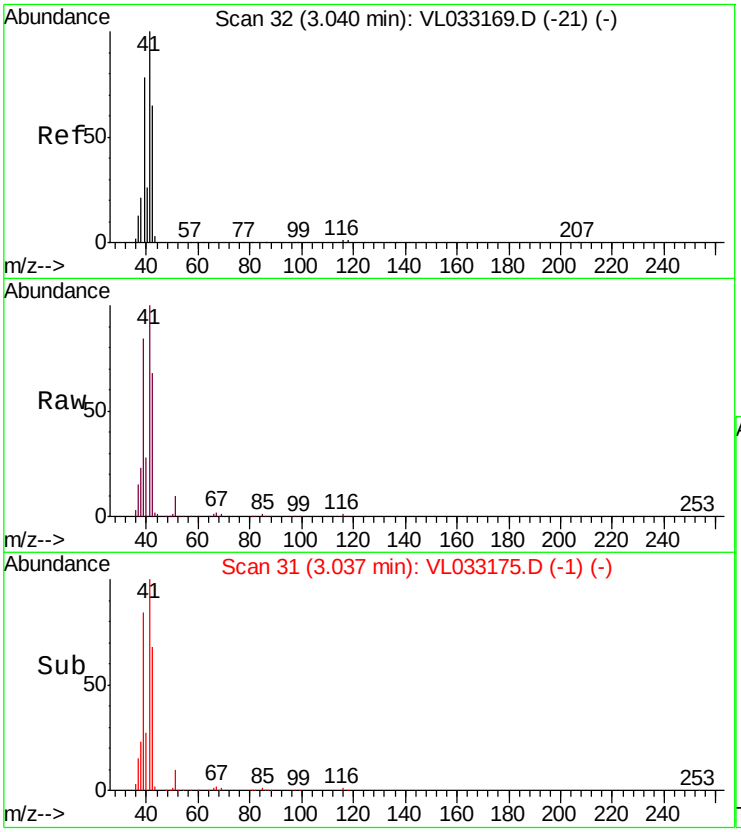


#8
Dichlorotetrafluoroethane
Concen: 13.533 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 85 Resp: 1770063

Ion	Ratio	Lower	Upper
85	100		
135	68.1	54.3	81.5



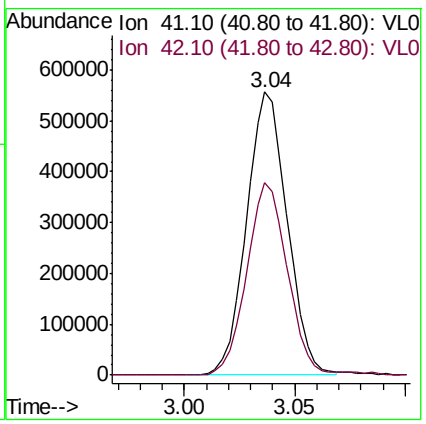


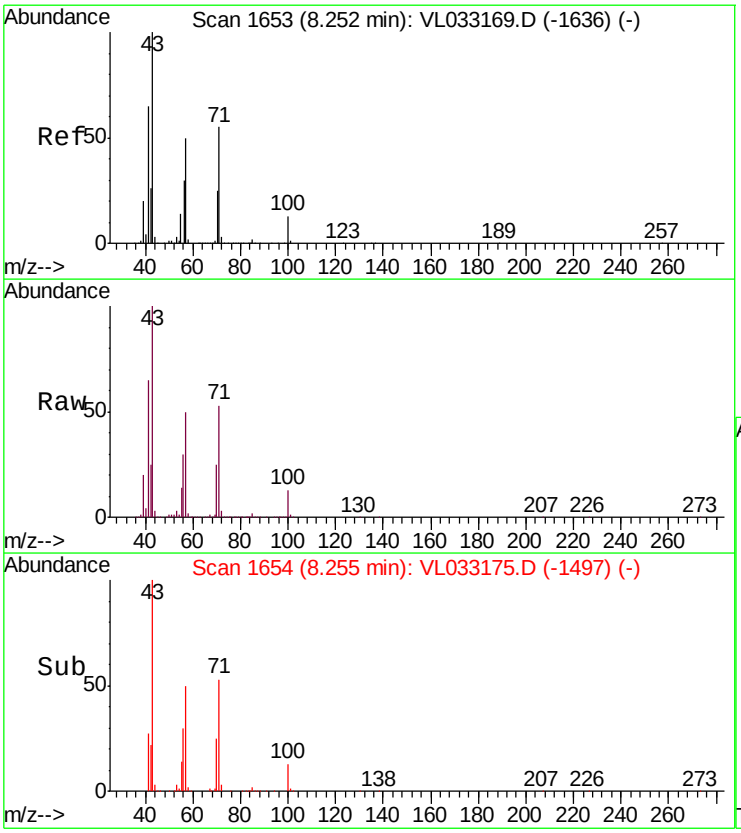
#9
Propene
Concen: 13.962 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 710356

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.0	82.6

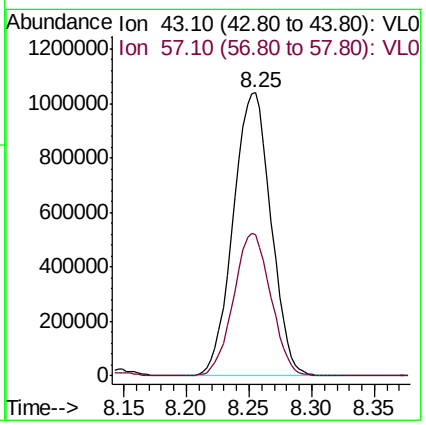


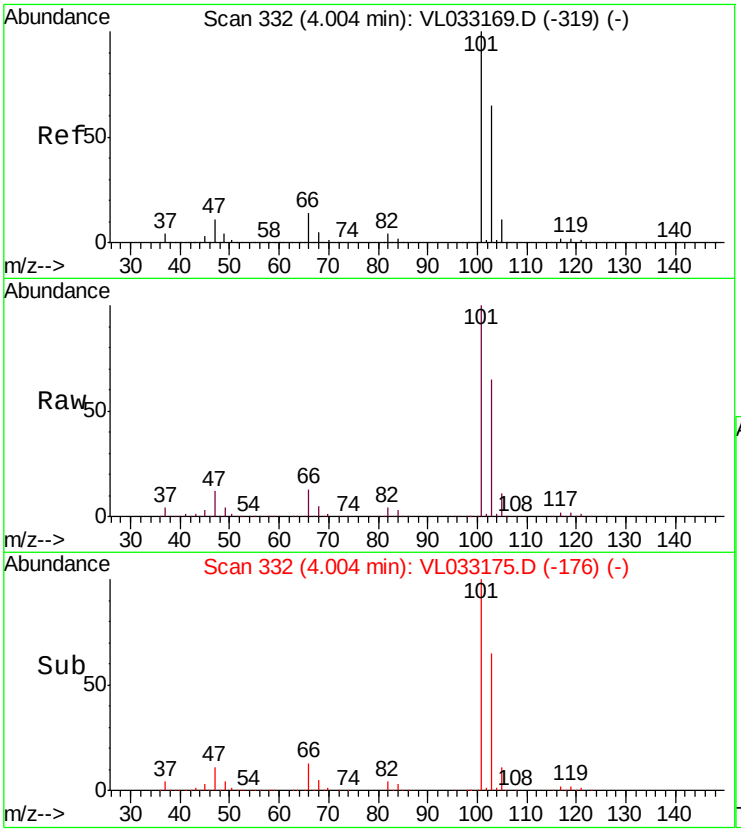


#10
Heptane
Concen: 14.077 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 43 Resp: 2166858

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.5	59.3



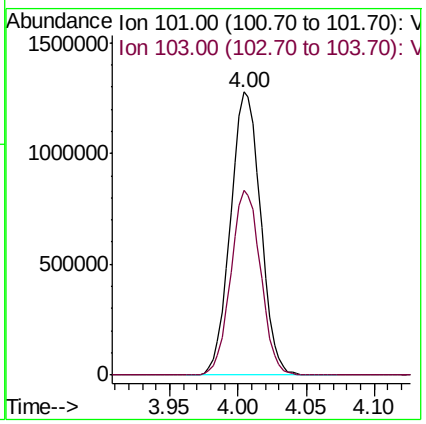


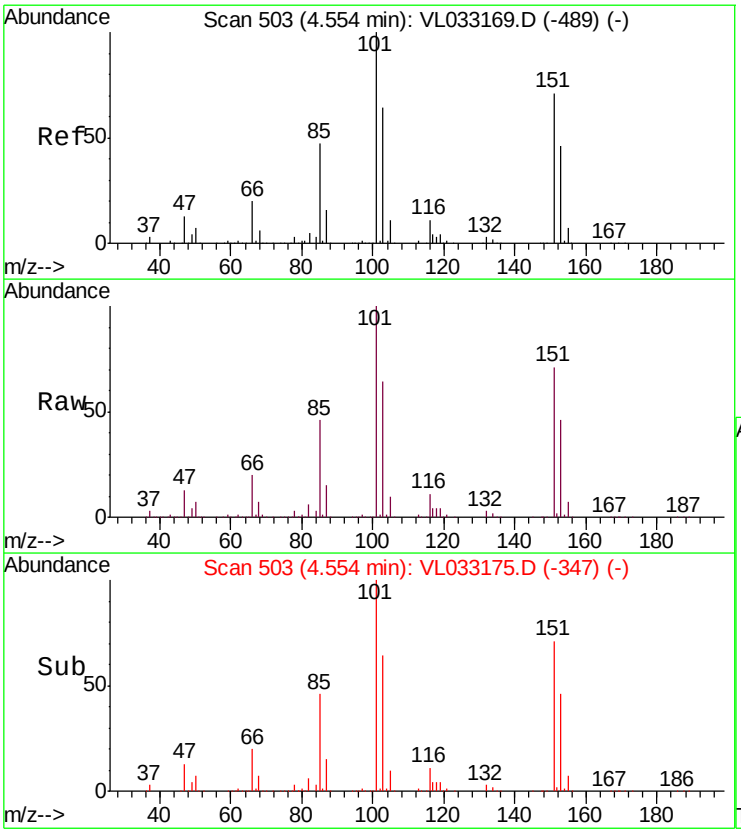
#11
Trichlorofluoromethane
Concen: 14.470 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 1959057

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.7	77.5

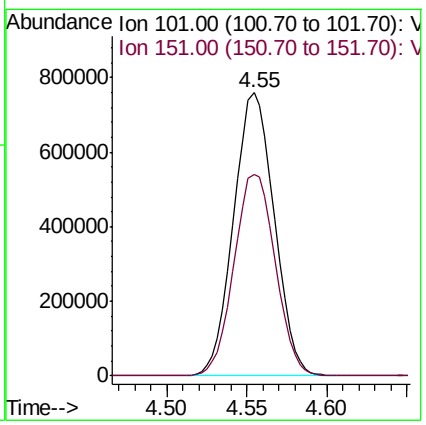


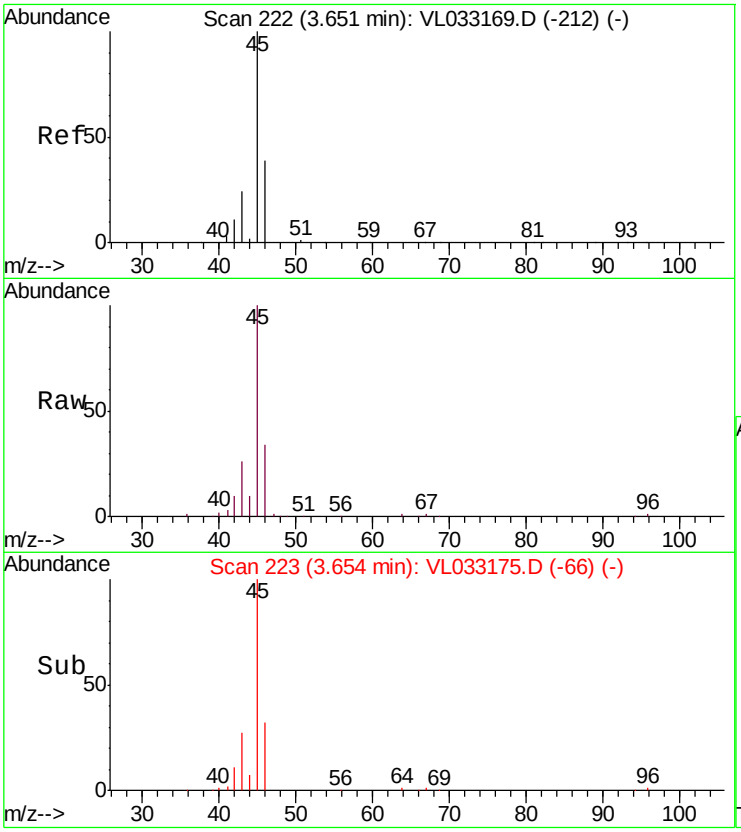


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.985 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:101 Resp: 1312243

Ion	Ratio	Lower	Upper
101	100		
151	72.7	57.4	86.0



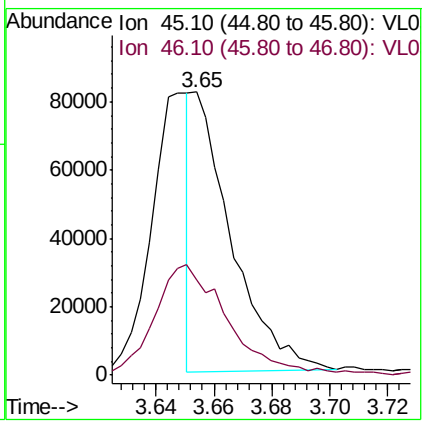


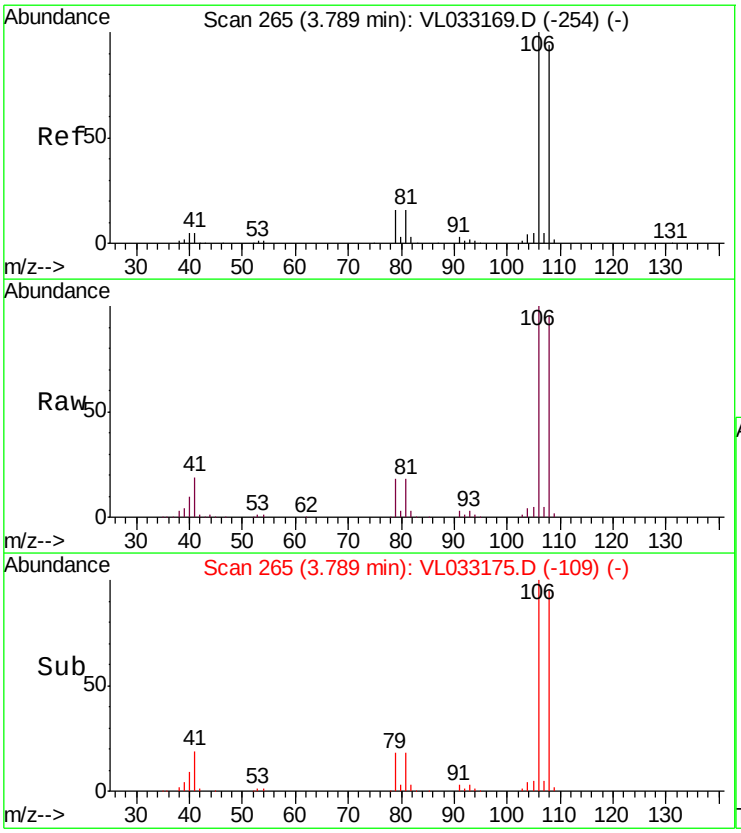
#13
Ethanol
Concen: 4.532 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 76894

Ion	Ratio	Lower	Upper
45	100		
46	75.5	15.0	60.2#

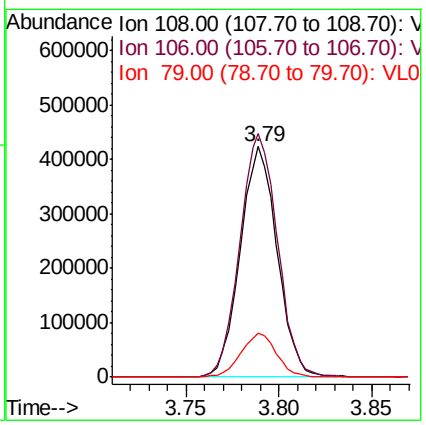


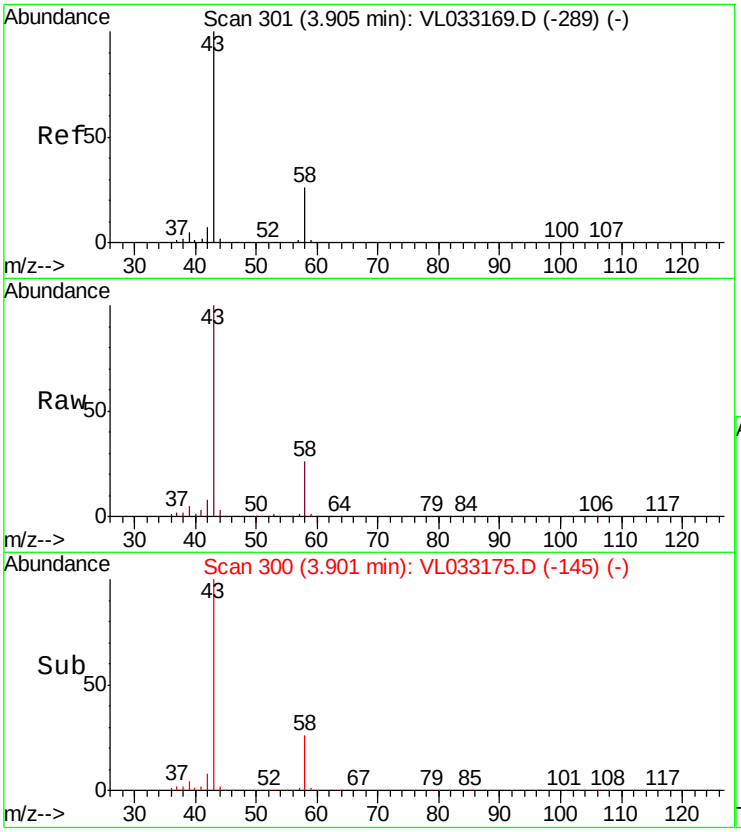


#14
Bromoethene
Concen: 14.555 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:108 Resp: 588875

Ion	Ratio	Lower	Upper
108	100		
106	108.0	86.0	129.0
79	18.5	14.5	21.7



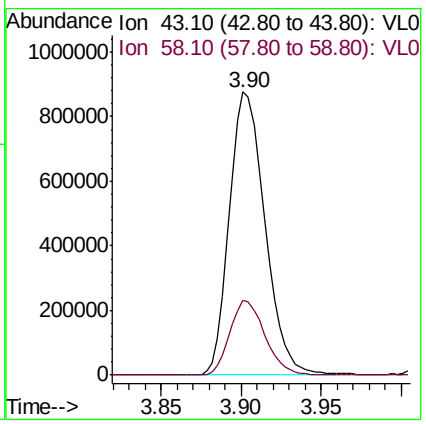


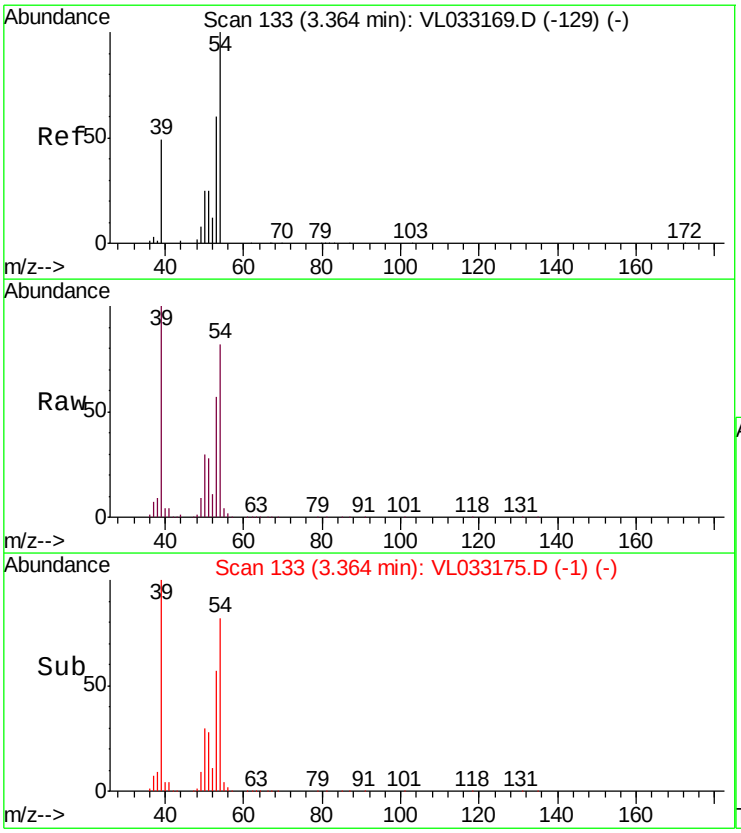
#15
Acetone
Concen: 13.445 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1324952

Ion	Ratio	Lower	Upper
43	100		
58	26.1	21.1	31.7

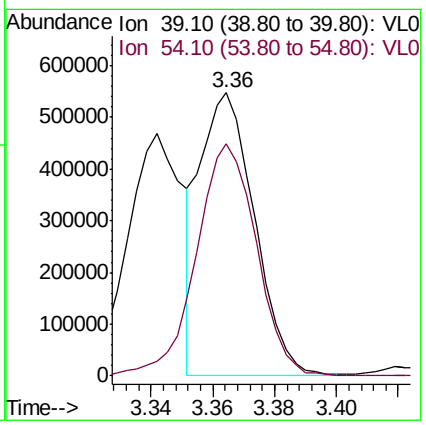


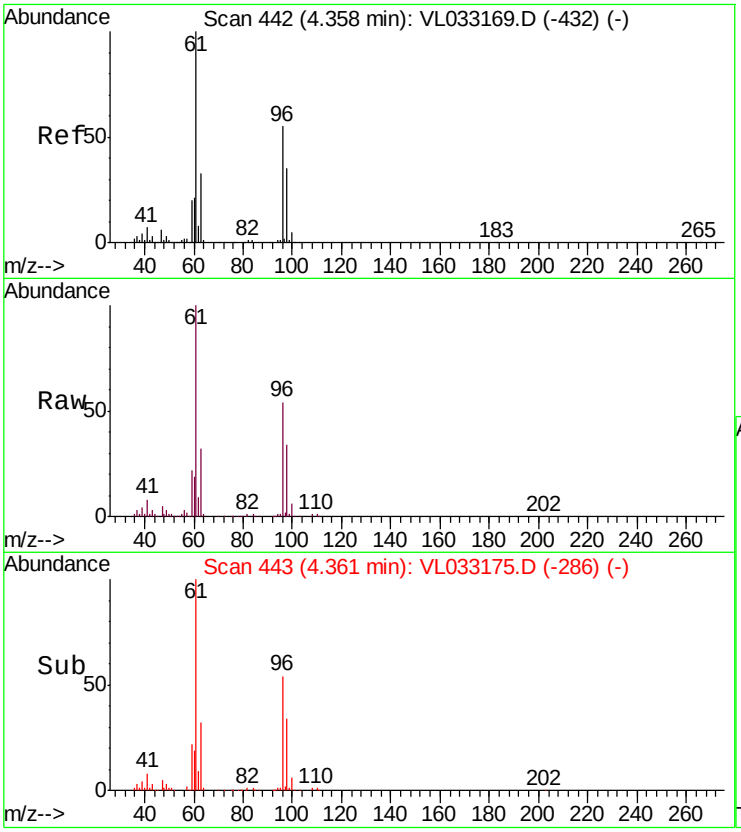


#16
1,3-Butadiene
Concen: 14.254 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 39 Resp: 666803

Ion	Ratio	Lower	Upper
39	100		
54	91.8	71.3	106.9



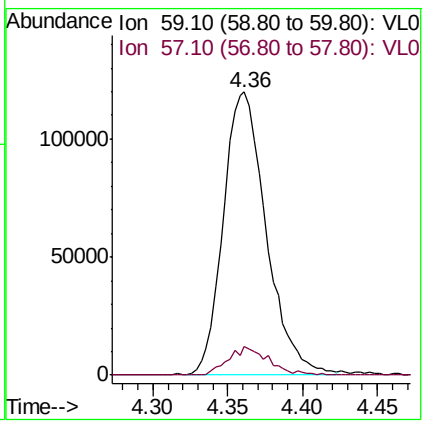


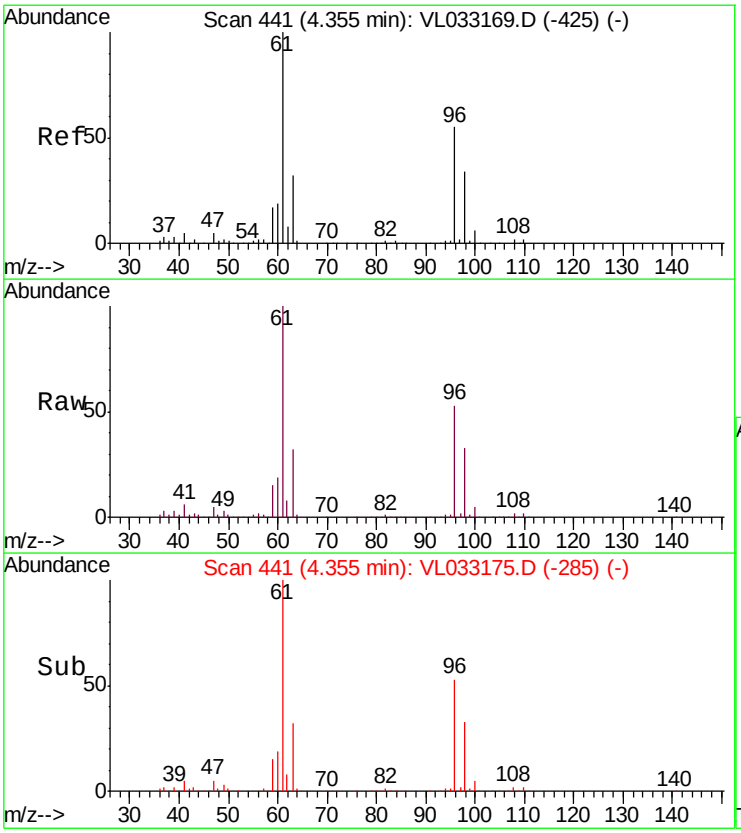
#17
tert-Butyl alcohol
Concen: 12.757 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 239685

Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.6	11.4

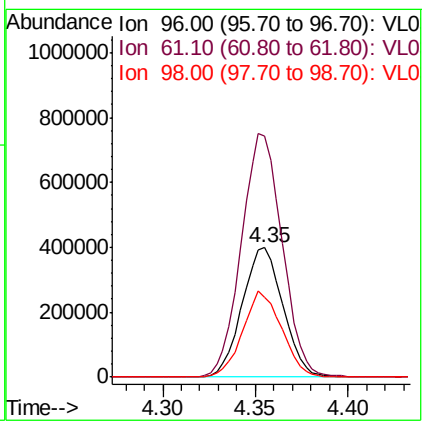


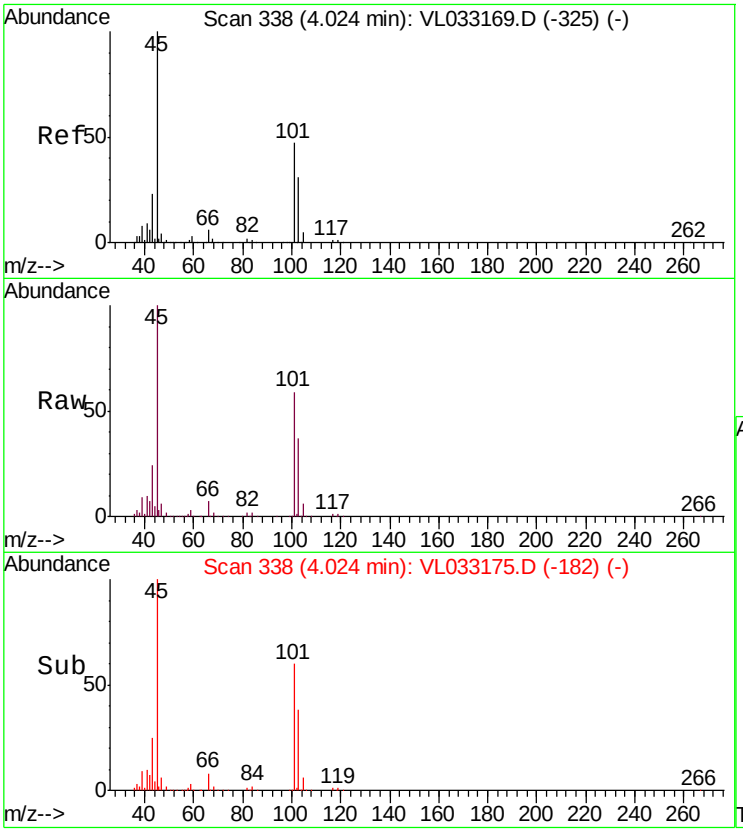


#18
1,1-Dichloroethene
Concen: 14.449 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 96 Resp: 606901

Ion	Ratio	Lower	Upper
96	100		
61	187.0	145.0	217.6
98	61.9	50.0	75.0



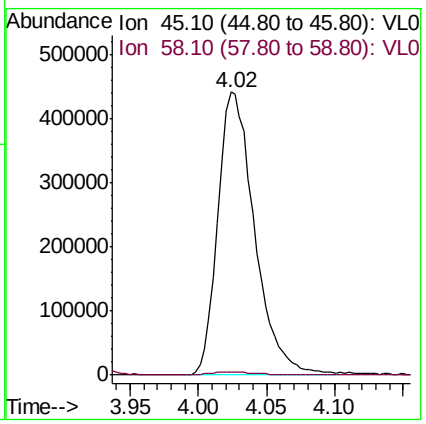


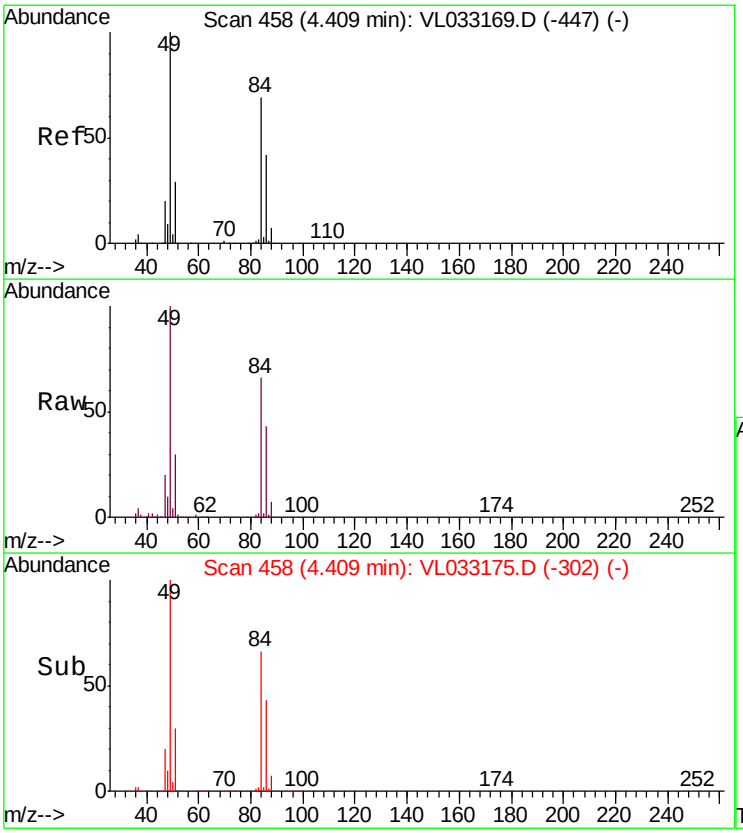
#19
Isopropyl Alcohol
Concen: 12.356 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 45 Resp: 825823

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.5	2.3

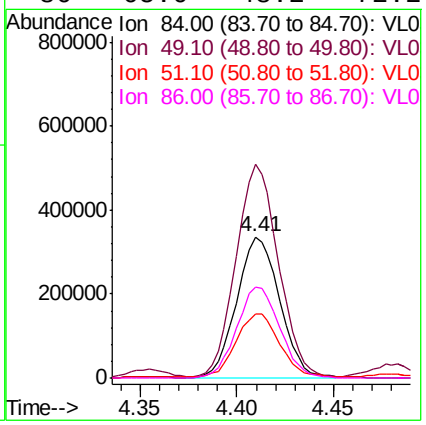


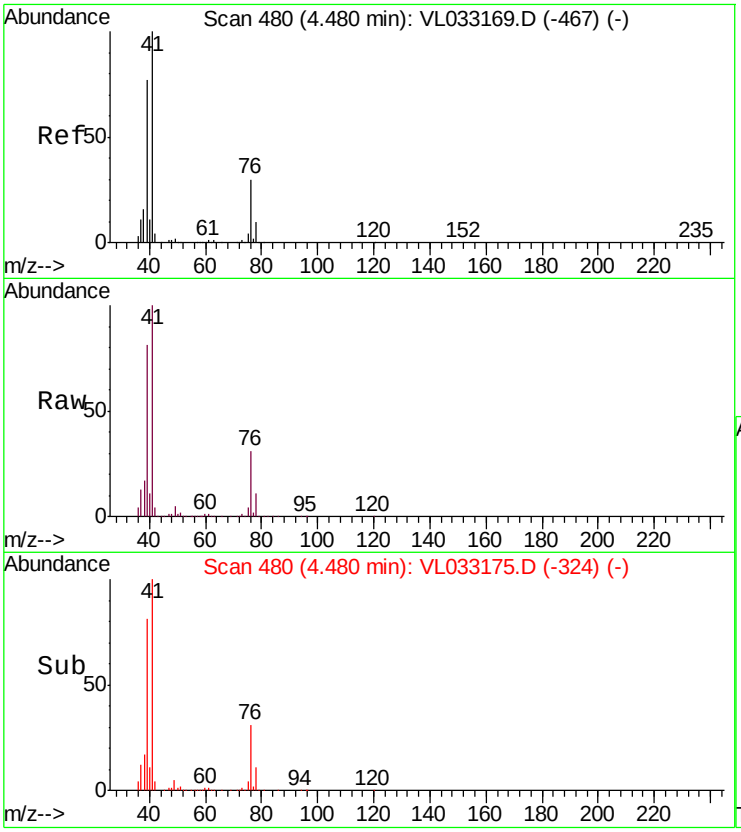


#20
Methylene Chloride
Concen: 13.204 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 84 Resp: 517596

Ion	Ratio	Lower	Upper
84	100		
49	150.9	115.8	173.8
51	45.2	33.0	49.6
86	65.0	48.2	72.2



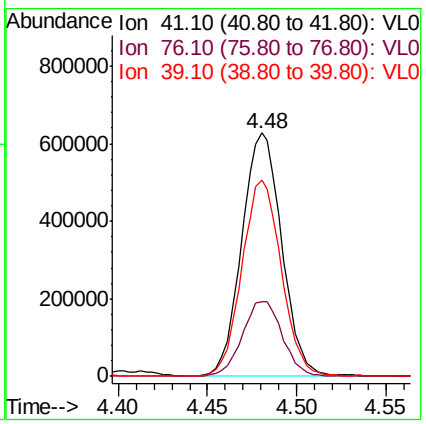


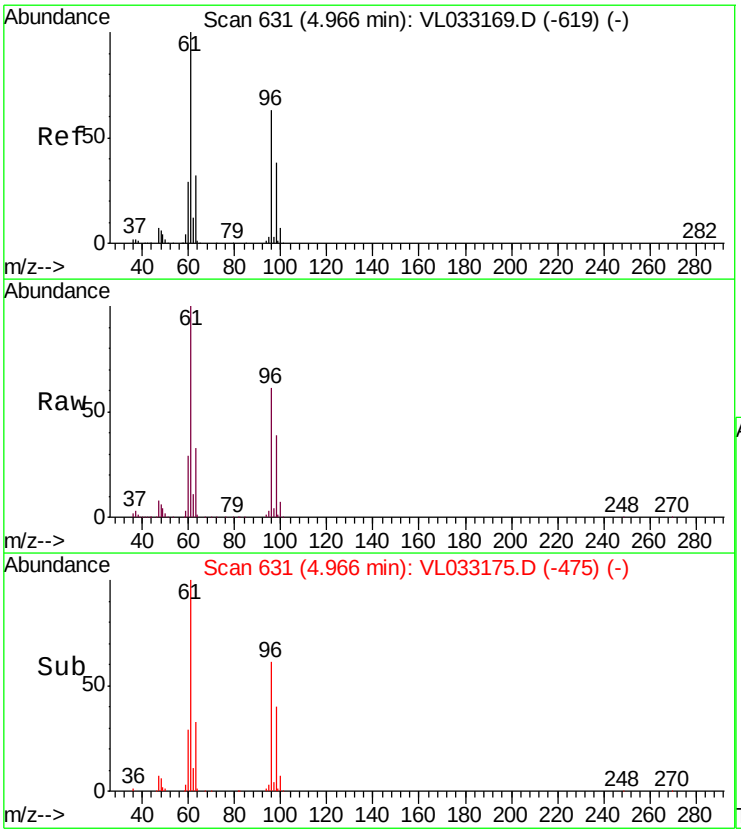
#21
Allyl Chloride
Concen: 15.046 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 41 Resp: 979064

Ion	Ratio	Lower	Upper
41	100		
76	31.1	24.5	36.7
39	80.2	64.1	96.1

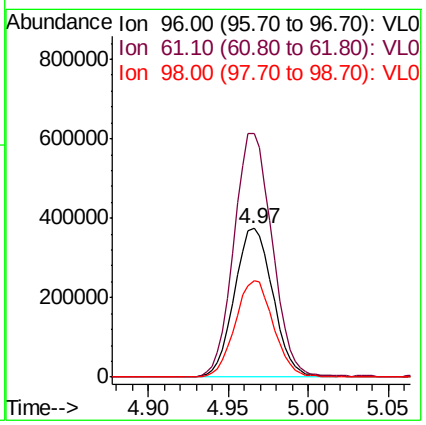


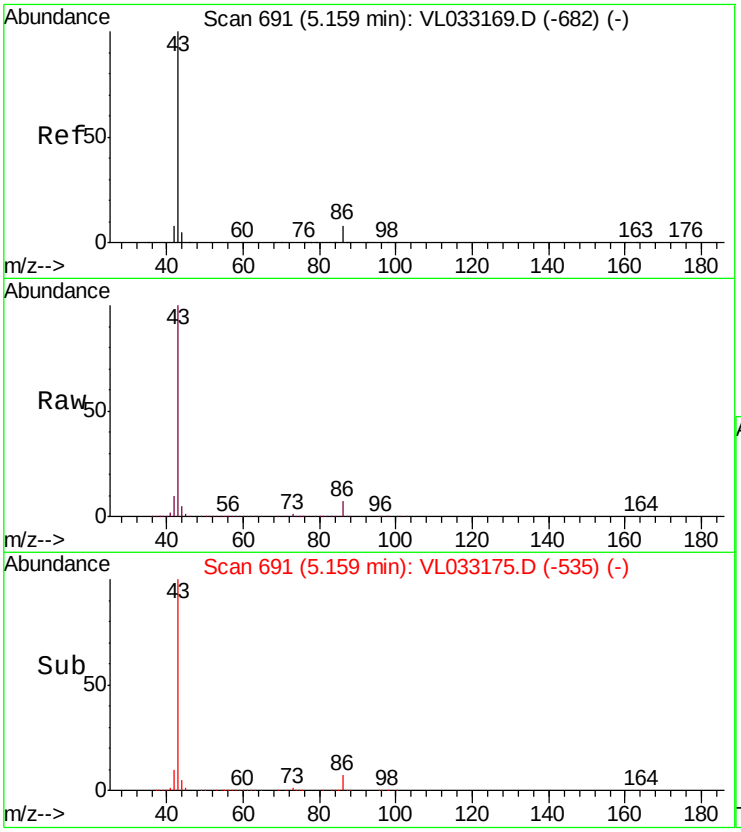


#22
trans-1,2-Dichloroethene
Concen: 15.028 ppbv
RT: 4.97 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 96 Resp: 613019

Ion	Ratio	Lower	Upper
96	100		
61	163.7	126.4	189.6
98	64.6	48.4	72.6



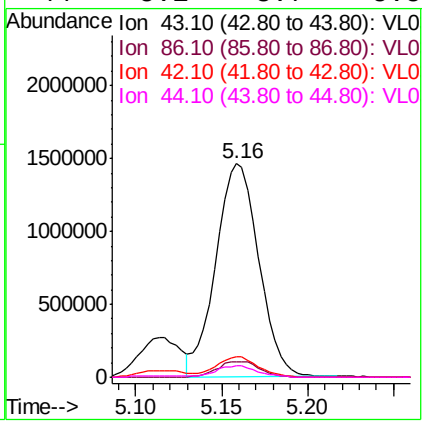


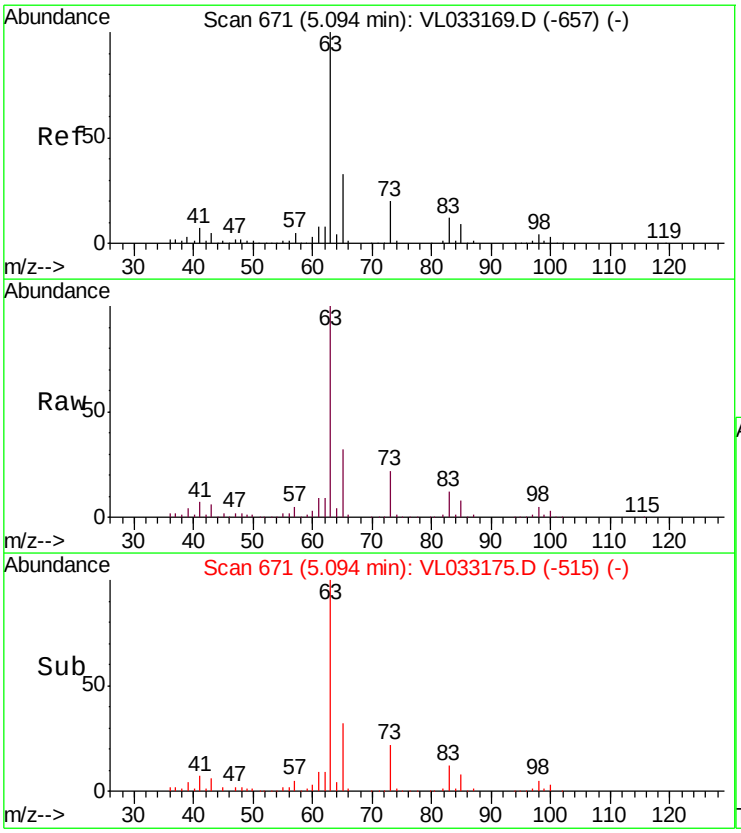
#23
Vinyl Acetate
Concen: 14.858 ppbv
RT: 5.16 min Scan# 691
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2537769

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.8	8.8
42	9.5	7.4	11.0
44	5.1	3.7	5.5

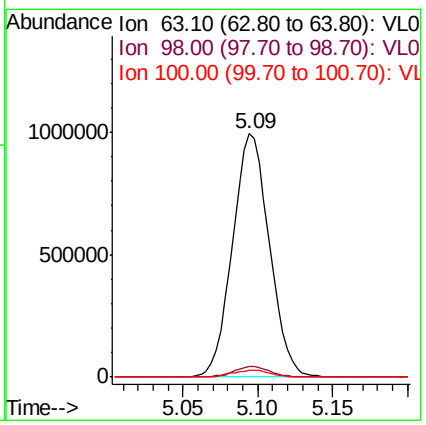


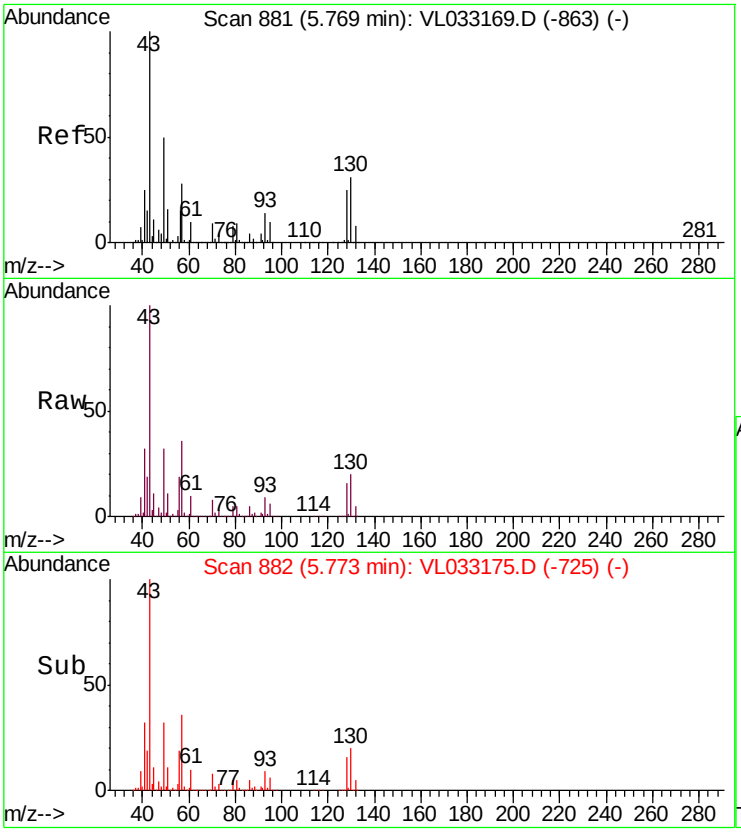


#24
1,1-Dichloroethane
Concen: 14.062 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 63 Resp: 1698810

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.5
100	2.7	1.4	4.2



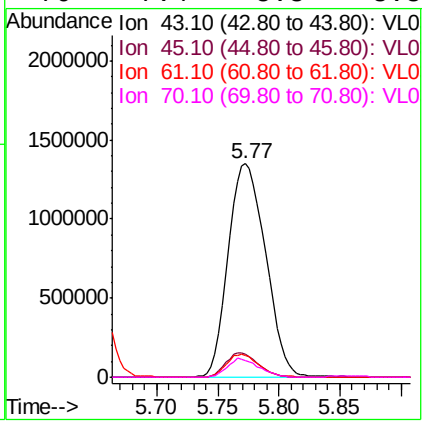


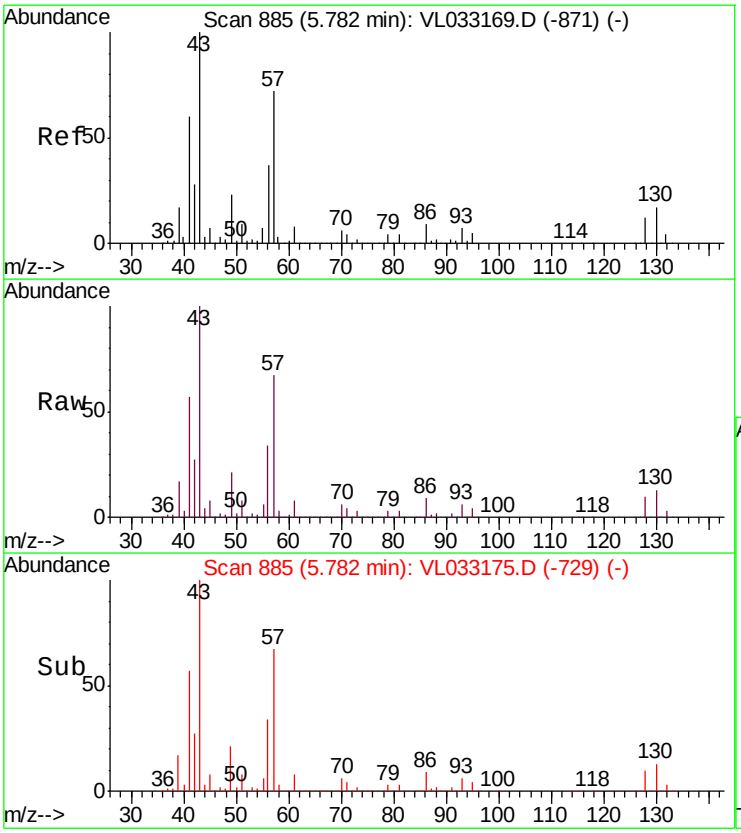
#25
Ethyl Acetate
Concen: 13.000 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2880484

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.6	7.5	11.3
70	7.4	5.8	8.8

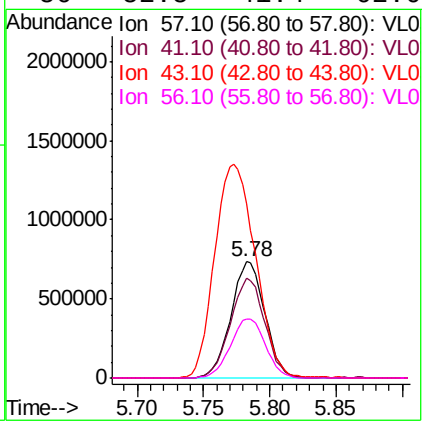


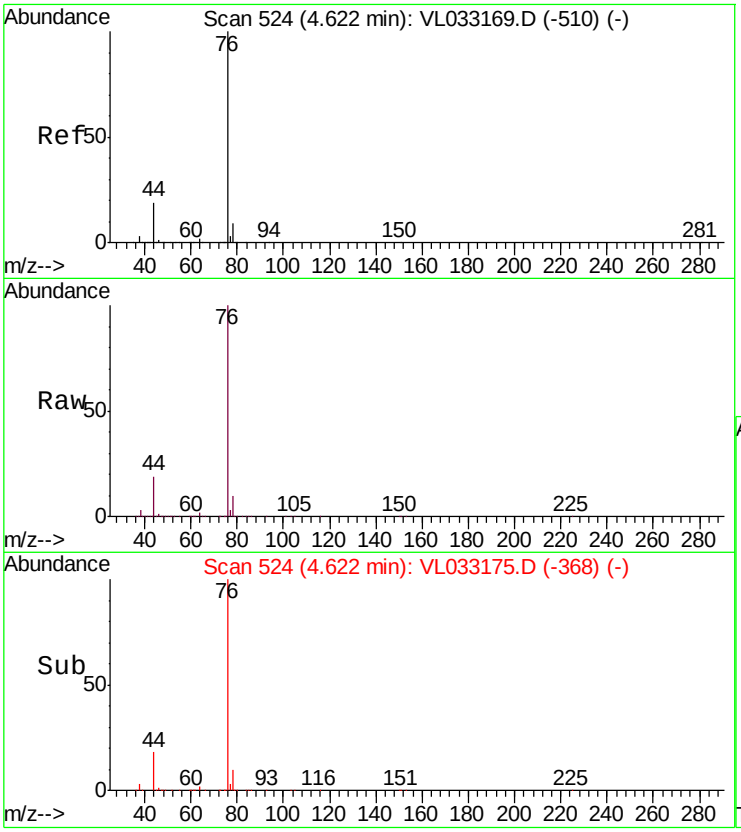


#26
Hexane
Concen: 12.539 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 57 Resp: 1304325

Ion	Ratio	Lower	Upper
57	100		
41	87.8	69.4	104.2
43	221.5	176.7	265.1
56	52.5	41.4	62.0



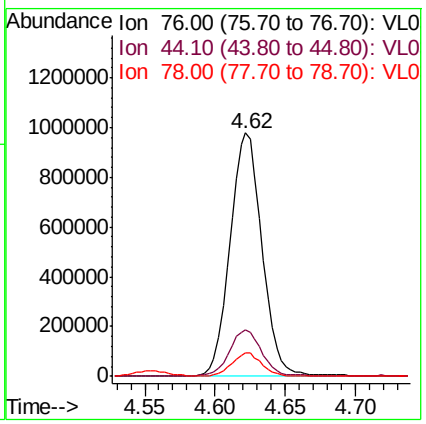


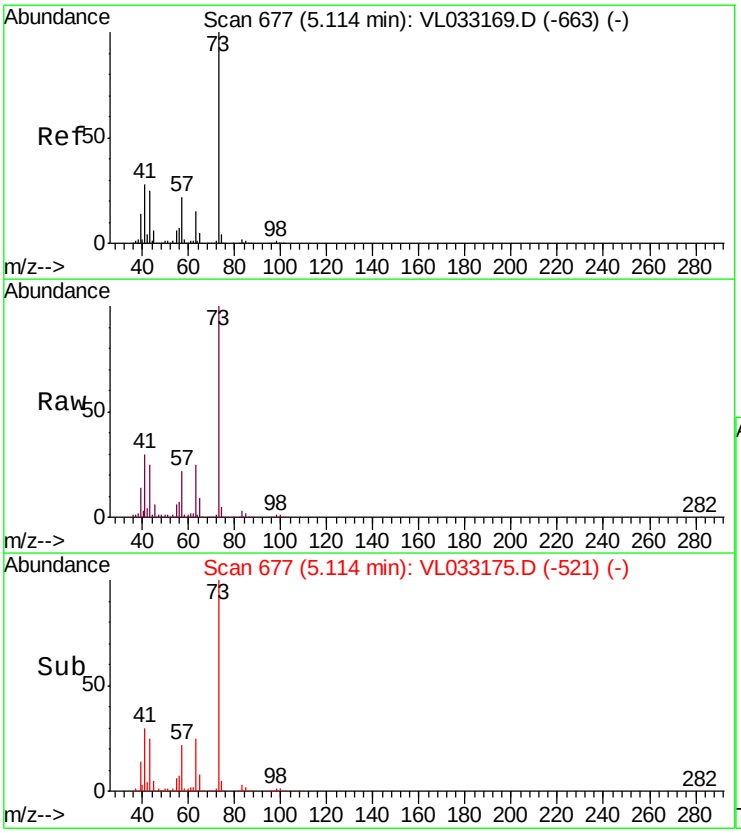
#27
Carbon Disulfide
Concen: 16.260 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 76 Resp: 1549475

Ion	Ratio	Lower	Upper
76	100		
44	18.9	15.0	22.4
78	9.0	7.4	11.0

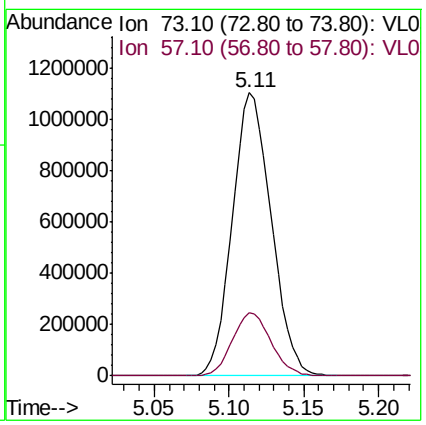


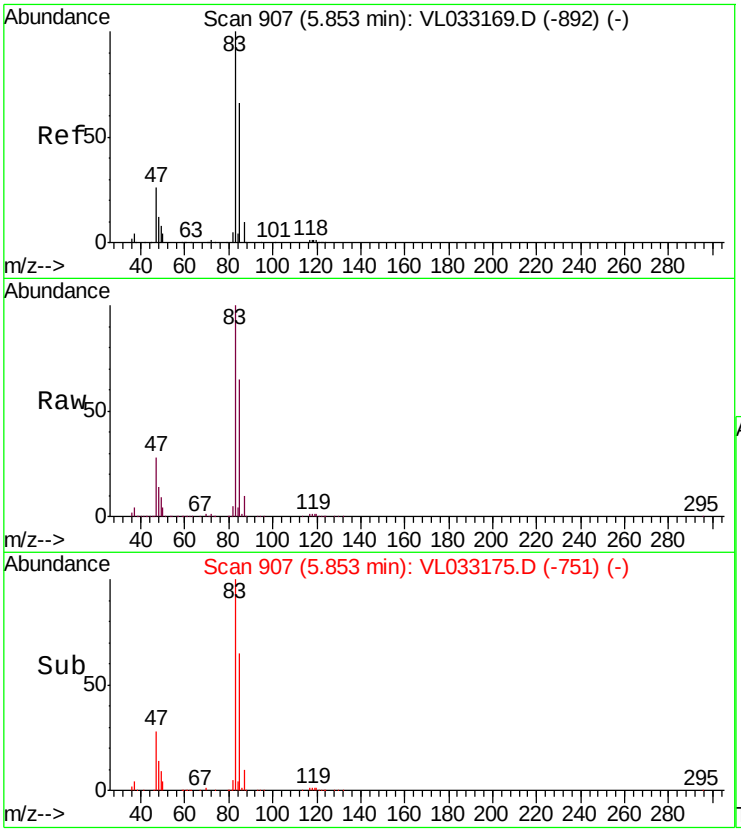


#28
Methyl tert-Butyl Ether
Concen: 14.107 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 73 Resp: 2005192

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



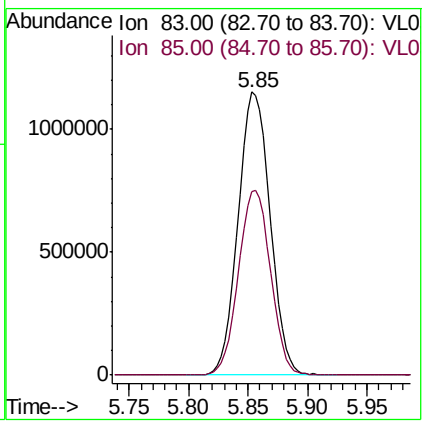


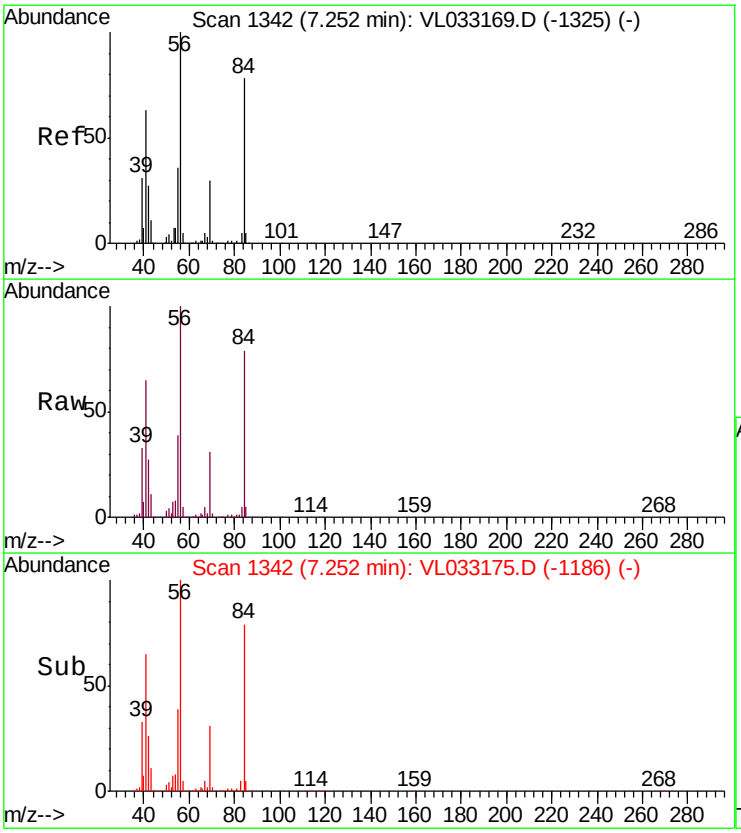
#29
Chloroform
Concen: 13.495 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2151195

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	78.8

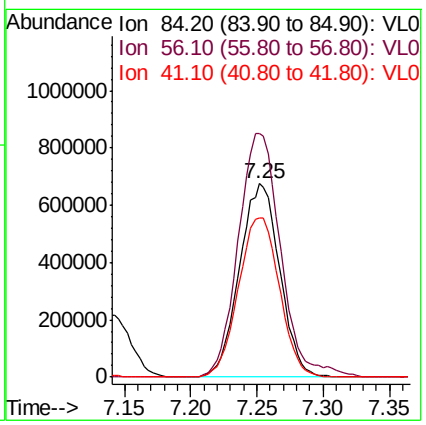


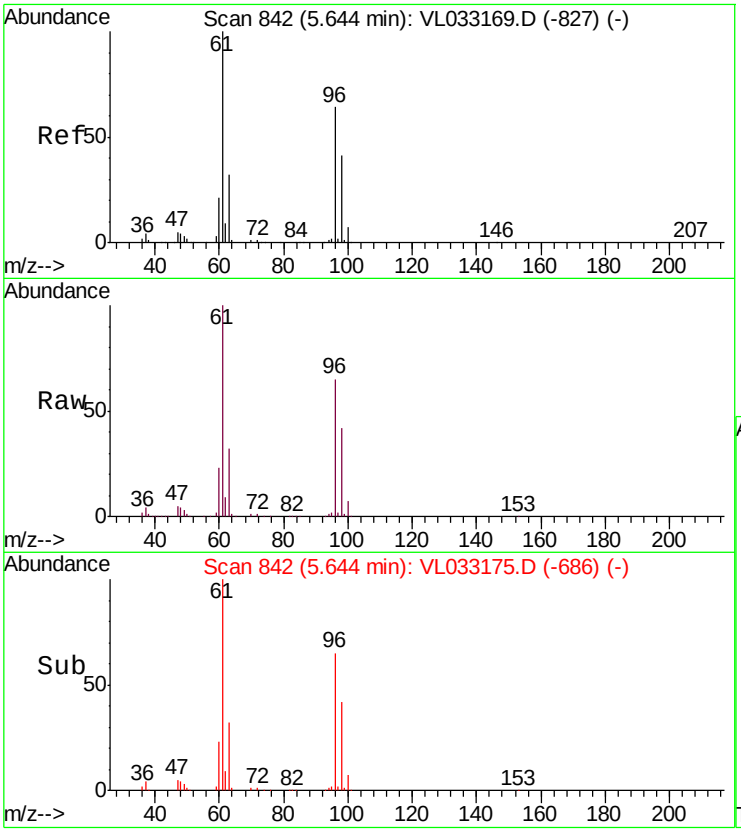


#30
Cyclohexane
Concen: 14.736 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 84 Resp: 1422214

Ion	Ratio	Lower	Upper
84	100		
56	133.1	109.5	164.3
41	84.2	66.6	100.0



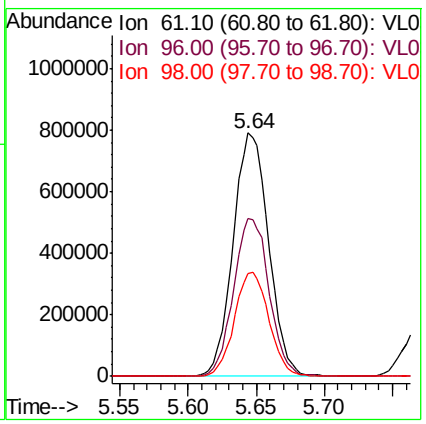


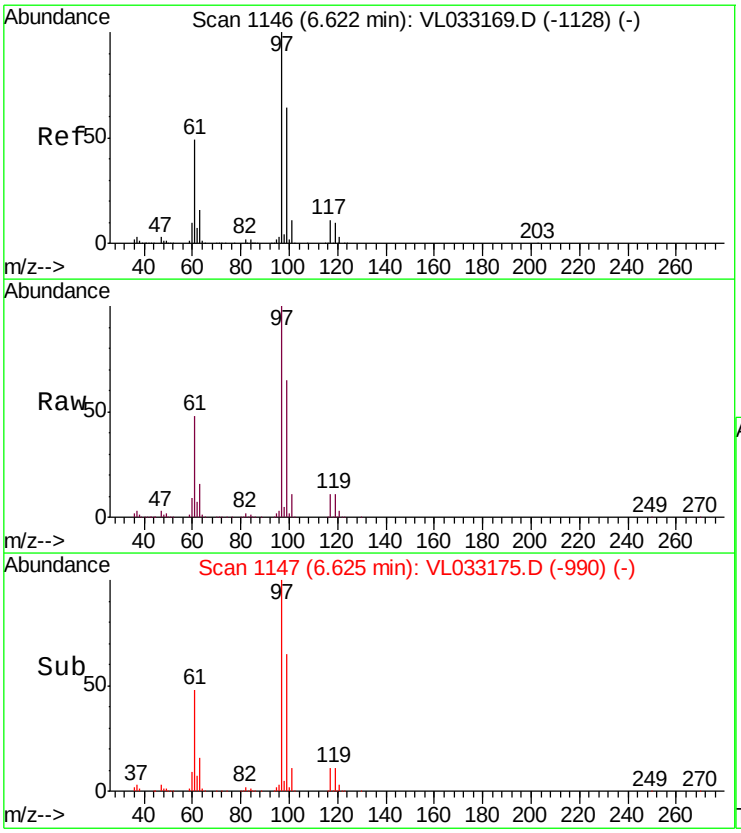
#31
cis-1,2-Dichloroethene
Concen: 13.722 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 1428661

Ion	Ratio	Lower	Upper
61	100		
96	64.8	51.2	76.8
98	42.2	32.8	49.2

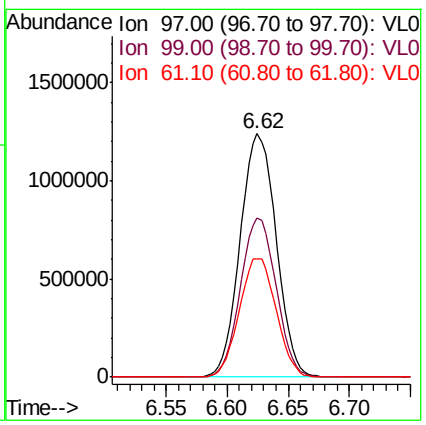


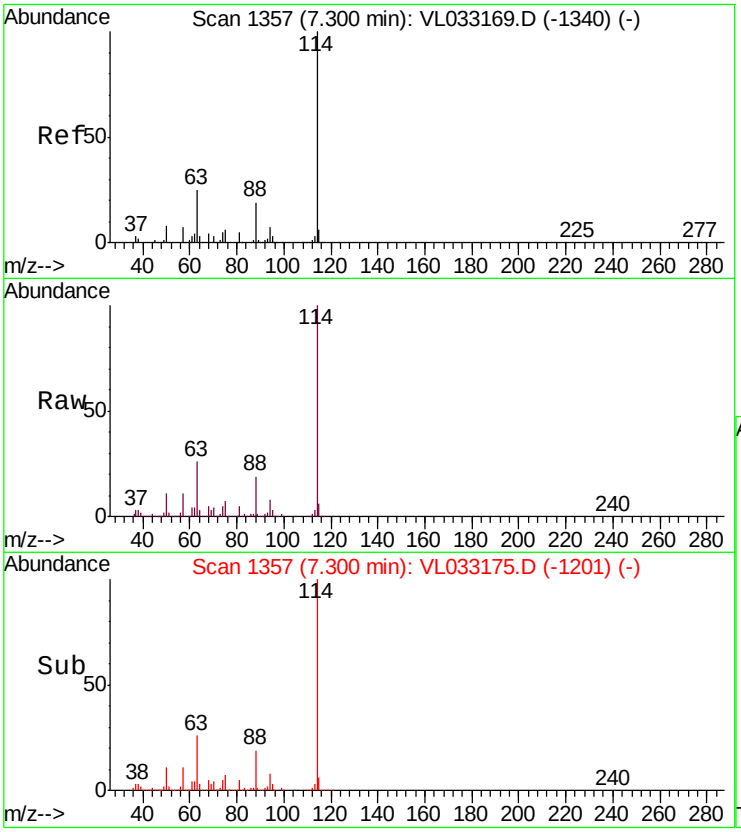


#32
1,1,1-Trichloroethane
Concen: 14.445 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 97 Resp: 2535489

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	49.8	38.8	58.2



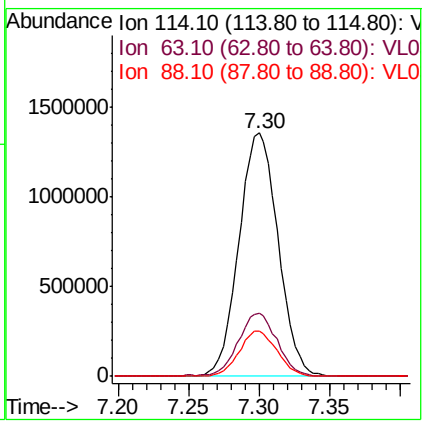


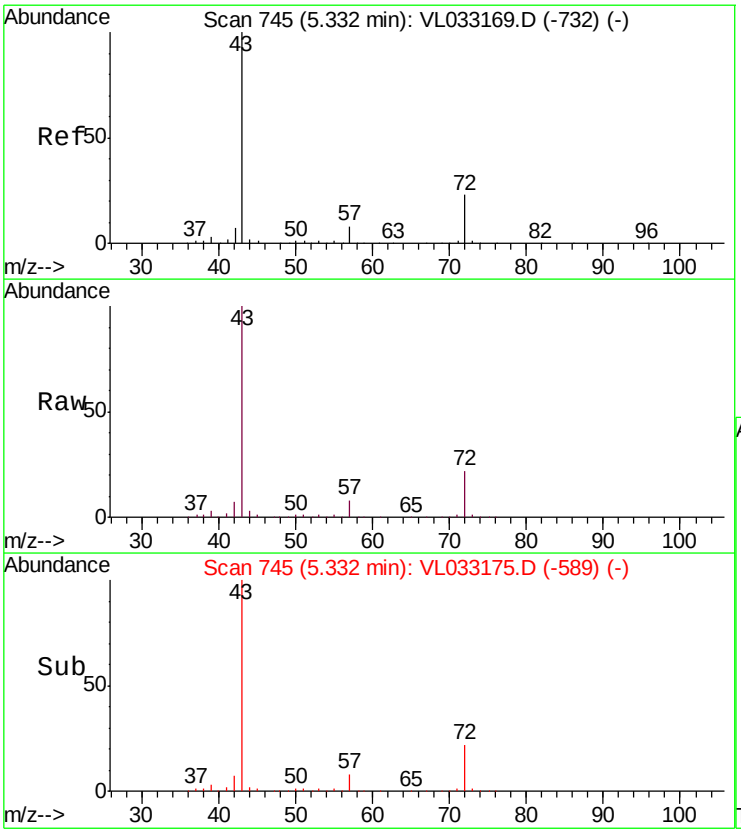
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 2634827

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.8	31.2
88	18.2	14.6	22.0

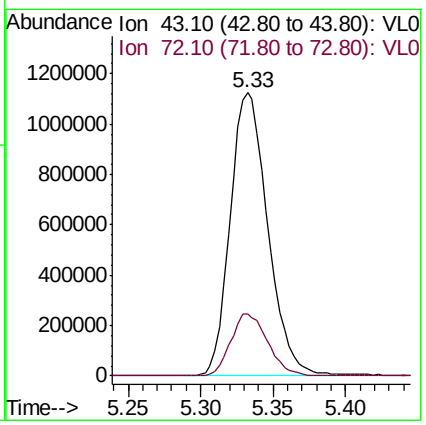


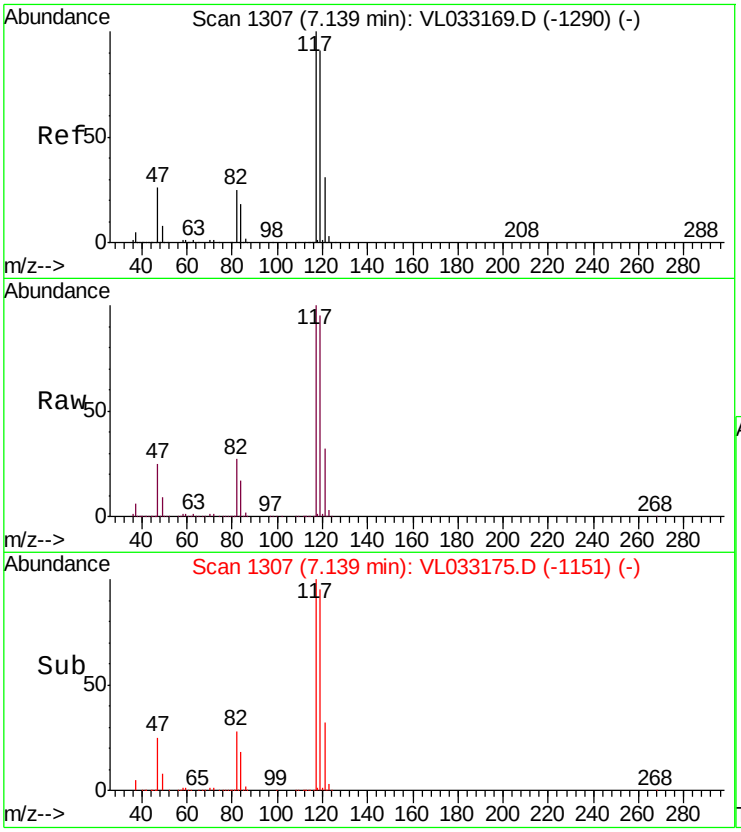


#34
2-Butanone
Concen: 12.051 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 43 Resp: 2014071

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.6



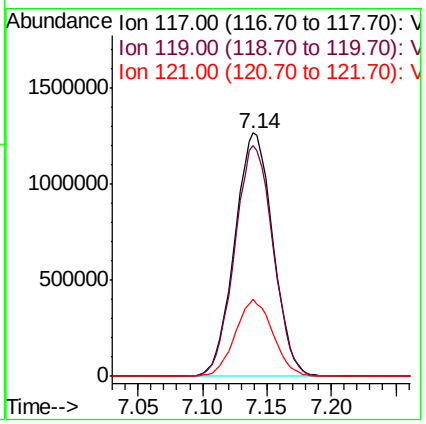


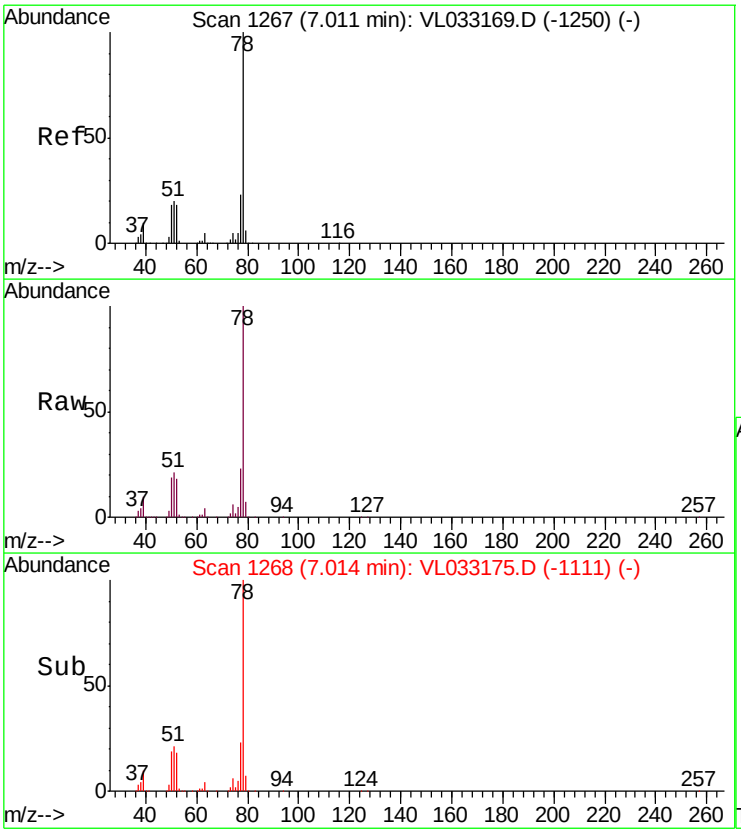
#35
Carbon Tetrachloride
Concen: 13.018 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 2619475

Ion	Ratio	Lower	Upper
117	100		
119	95.0	73.0	109.6
121	31.7	25.1	37.7

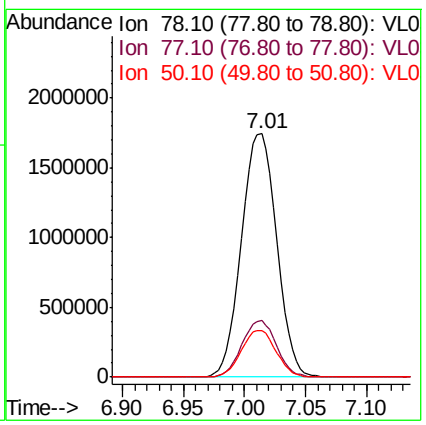


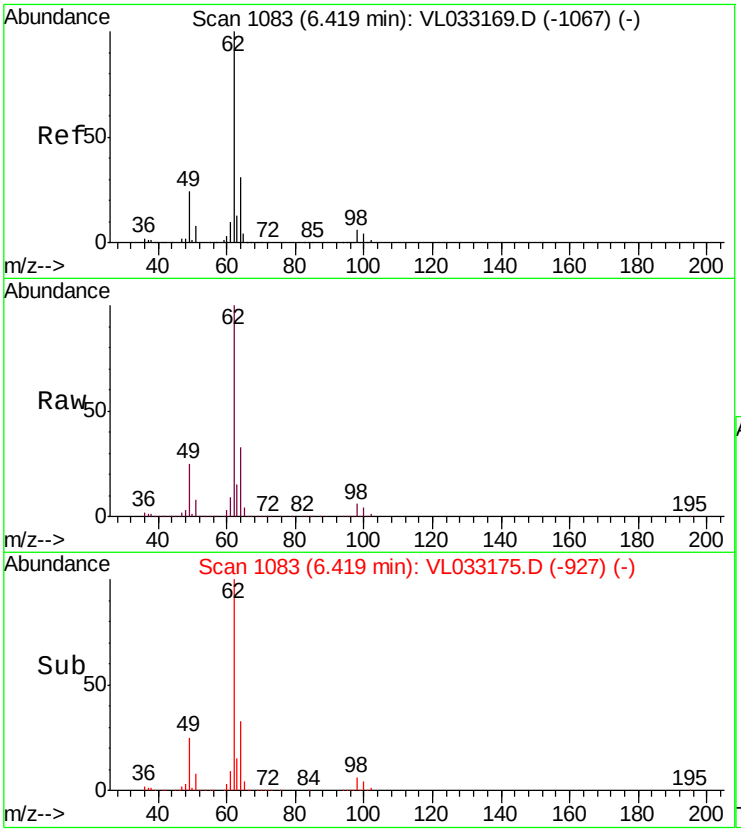


#36
Benzene
Concen: 13.019 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 78 Resp: 3476616

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.0	27.0
50	19.1	14.2	21.2



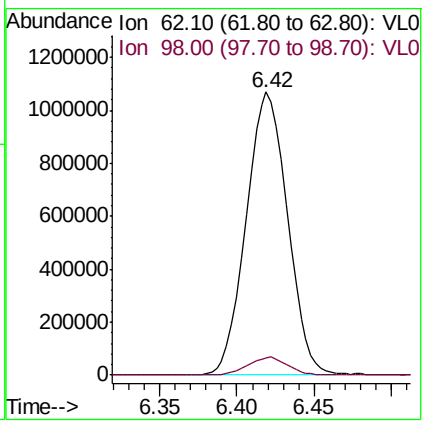


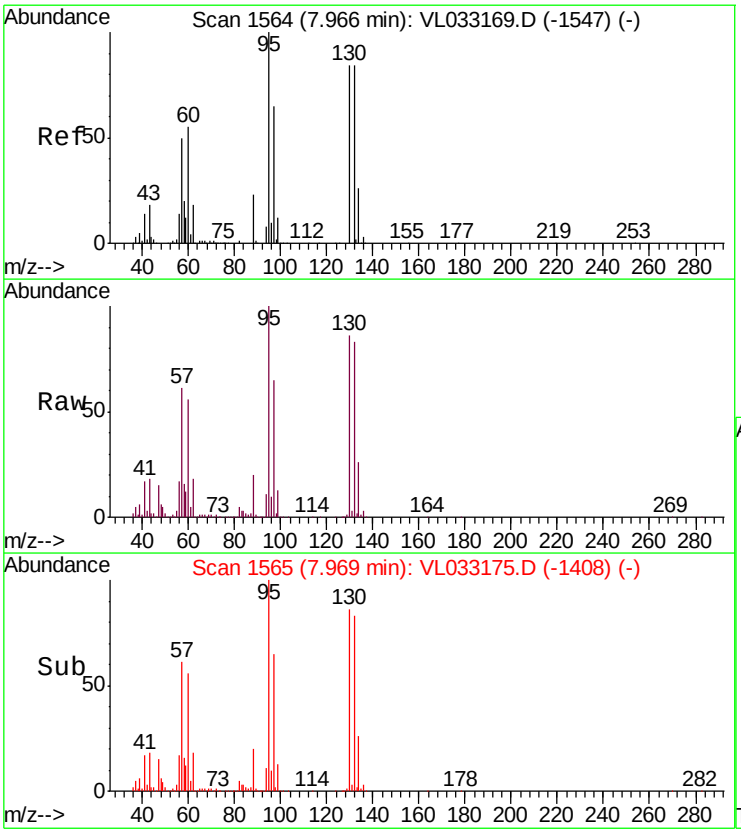
#37
1,2-Dichloroethane
Concen: 13.435 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 1988231

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.7	7.1

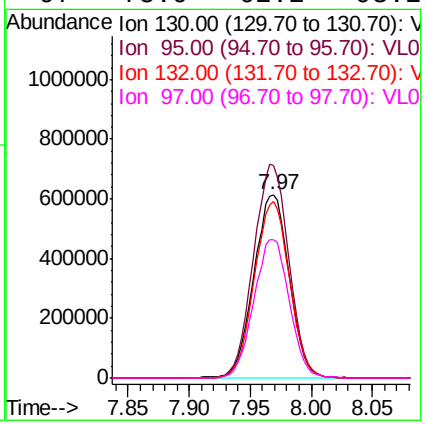


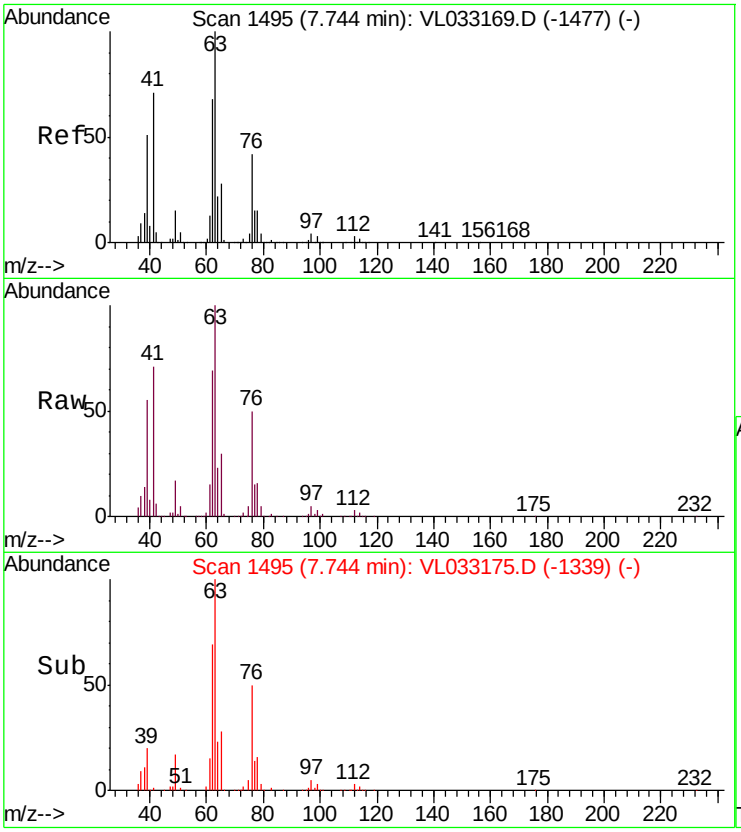


#38
Trichloroethene
Concen: 10.782 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:130 Resp: 1233029

Ion	Ratio	Lower	Upper
130	100		
95	116.2	95.5	143.3
132	96.5	80.0	120.0
97	75.9	62.2	93.2



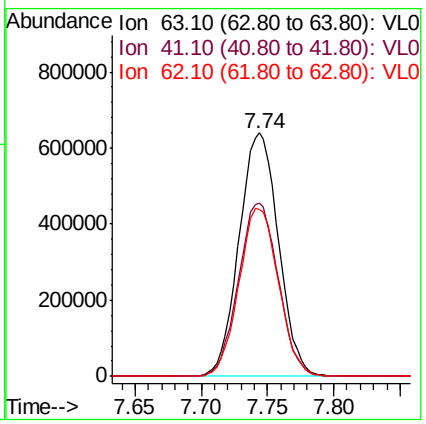


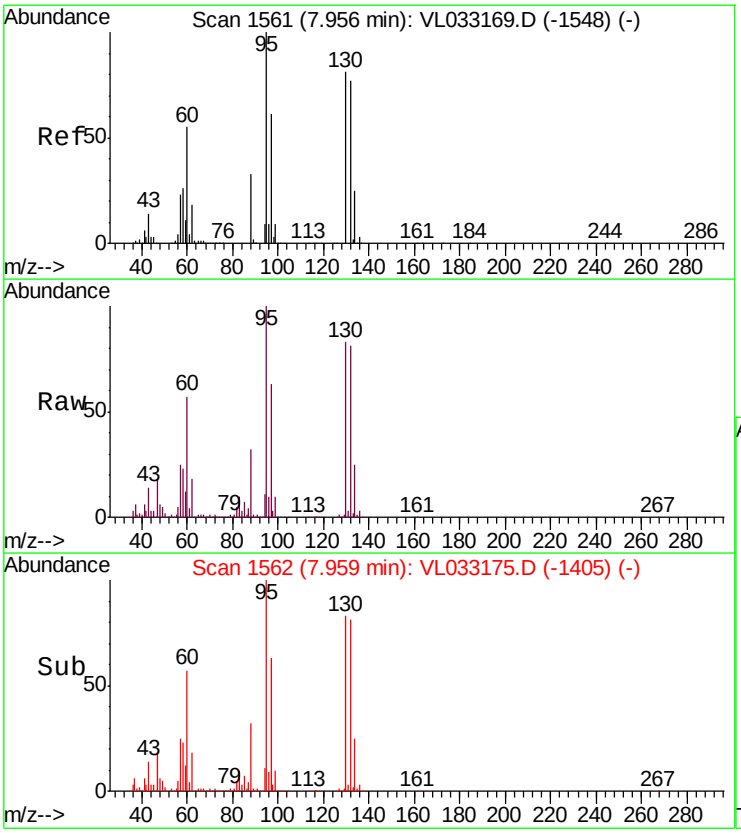
#39
1,2-Dichloropropane
Concen: 12.566 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 1325220

Ion	Ratio	Lower	Upper
63	100		
41	71.2	56.4	84.6
62	68.5	54.2	81.4

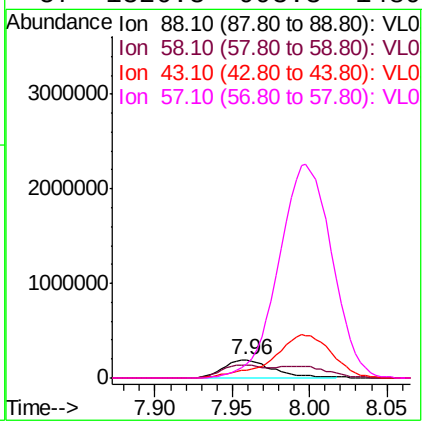


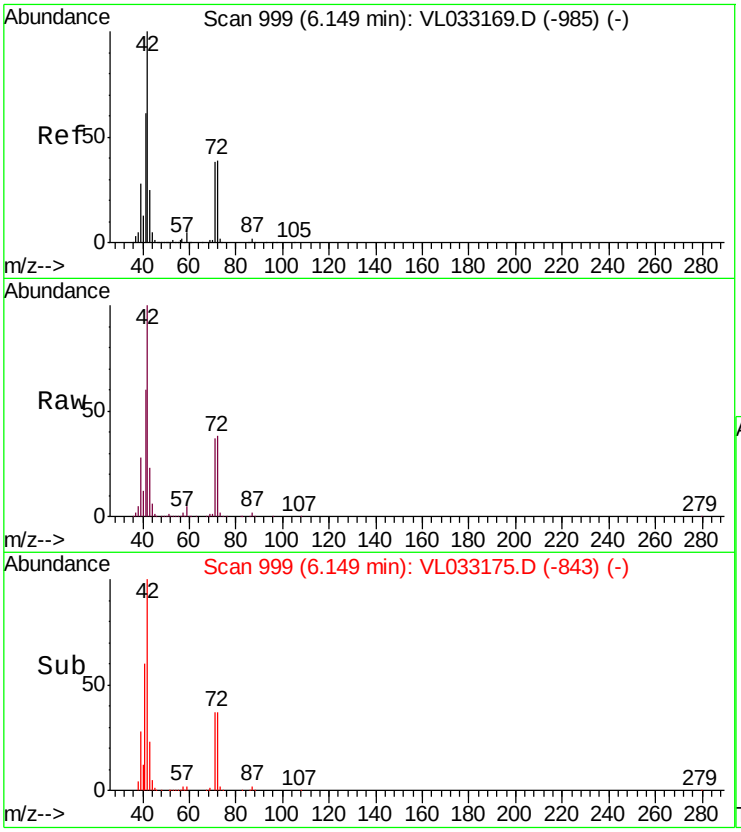


#40
1,4-Dioxane
Concen: 10.695 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 88 Resp: 409914

Ion	Ratio	Lower	Upper
88	100		
58	137.1	106.4	159.6
43	293.5	219.6	329.4
57	1326.3	993.3	1489.9



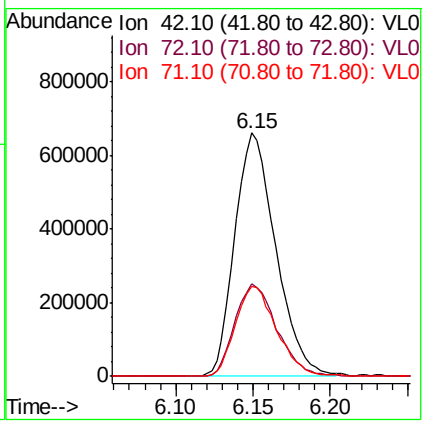


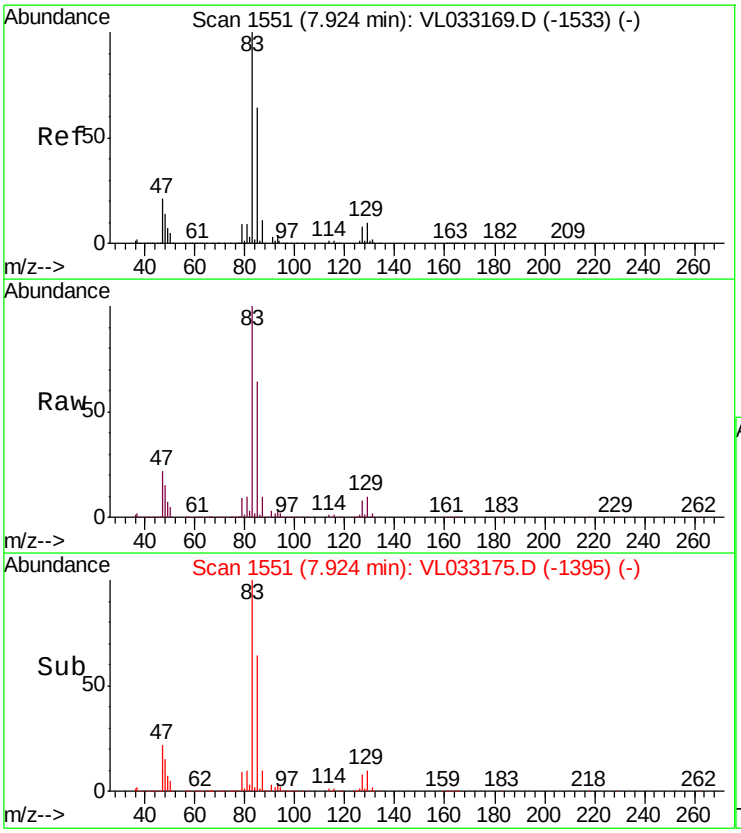
#41
Tetrahydrofuran
Concen: 11.772 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 1217850

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.2
71	37.2	30.2	45.2

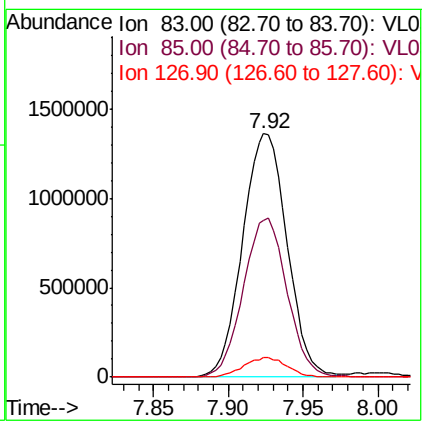


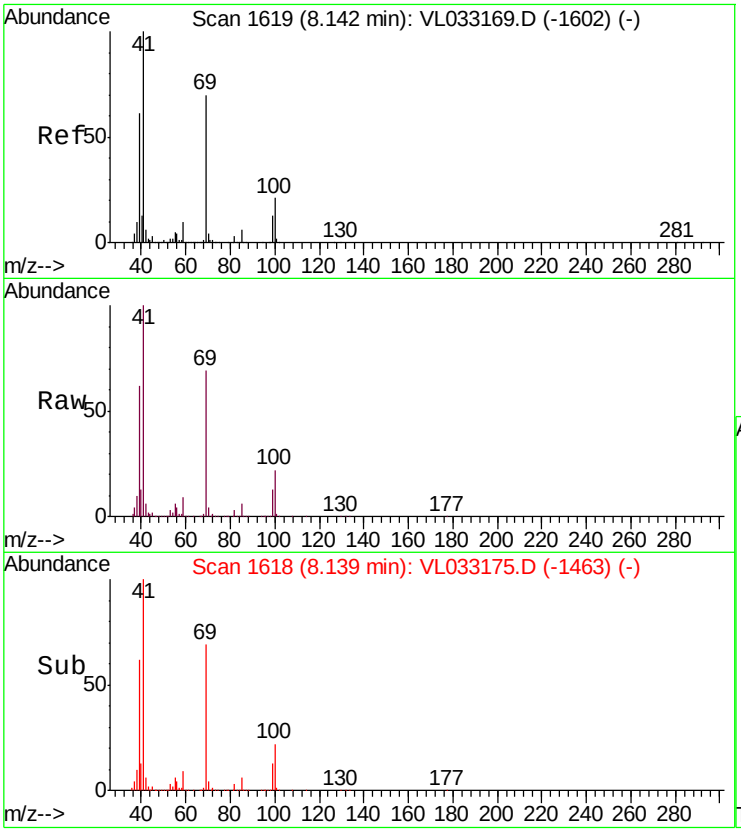


#42
Bromodichloromethane
Concen: 13.124 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 83 Resp: 2814454

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.0	6.4	9.6



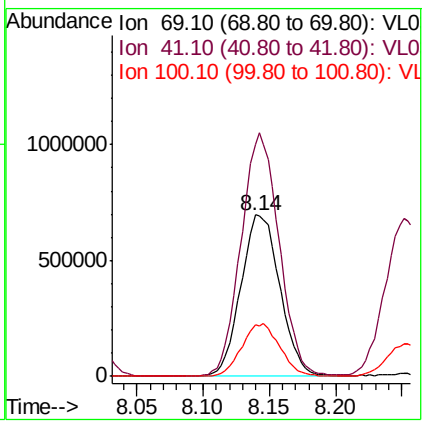


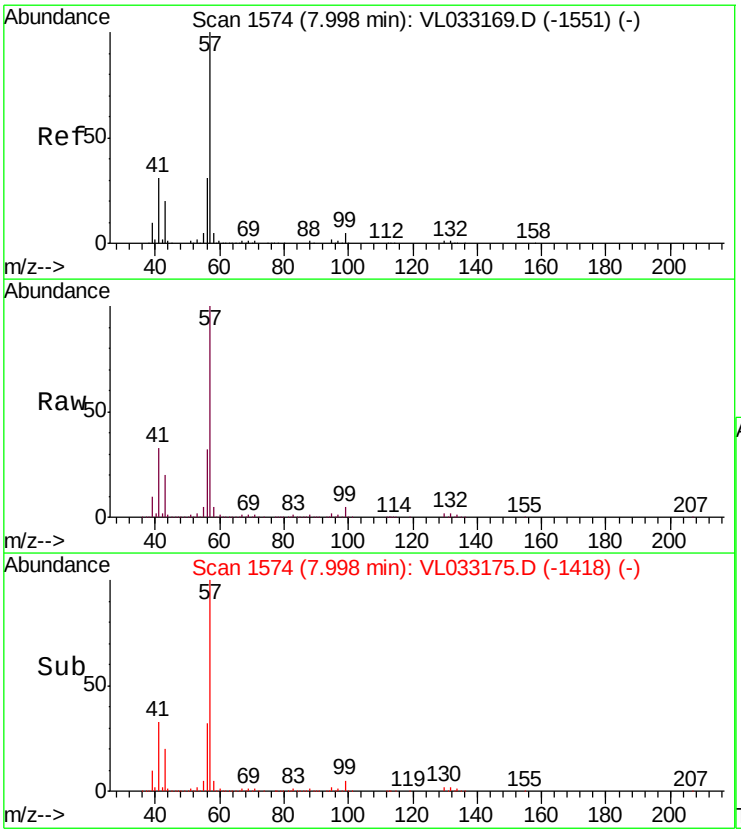
#43
Methyl Methacrylate
Concen: 13.309 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 1426848

Ion	Ratio	Lower	Upper
69	100		
41	146.8	117.1	175.7
100	31.8	25.0	37.6

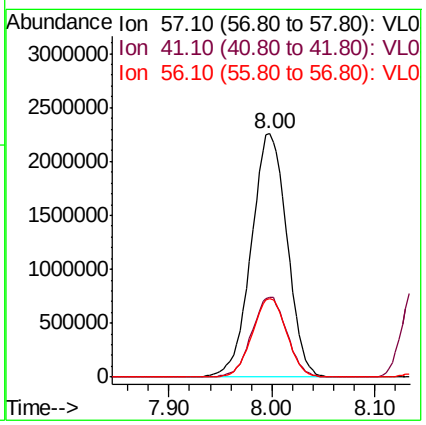


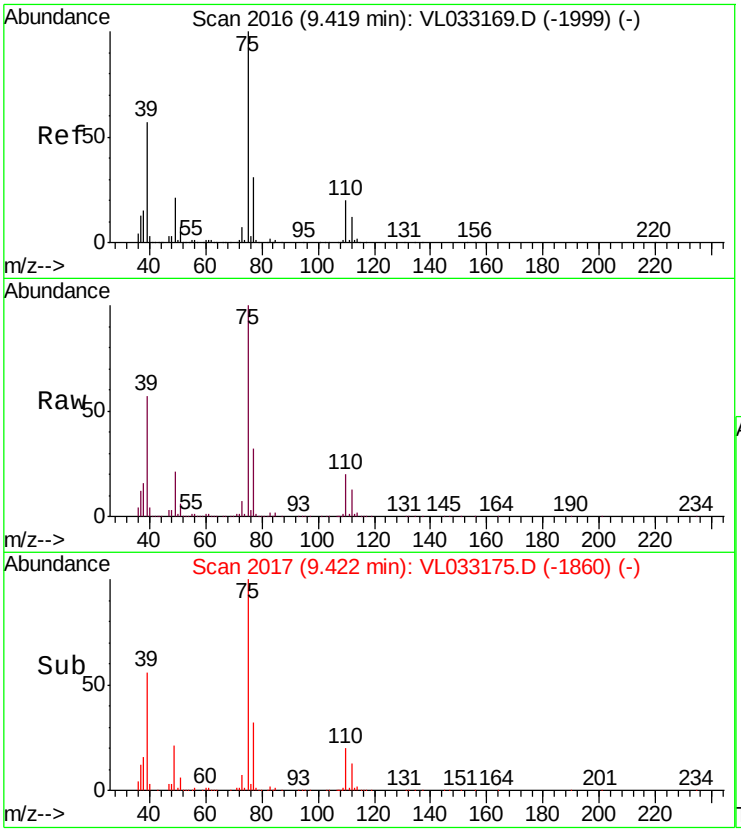


#44
2,2,4-Trimethylpentane
Concen: 12.000 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 57 Resp: 5429945

Ion	Ratio	Lower	Upper
57	100		
41	32.0	25.2	37.8
56	31.1	24.5	36.7



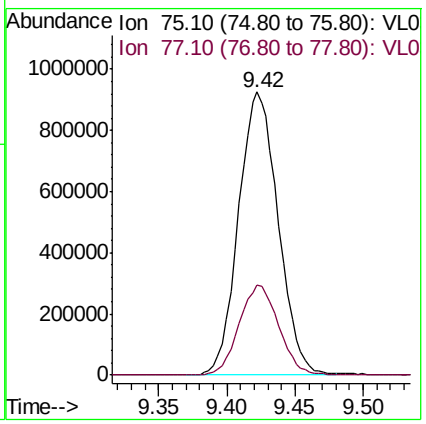


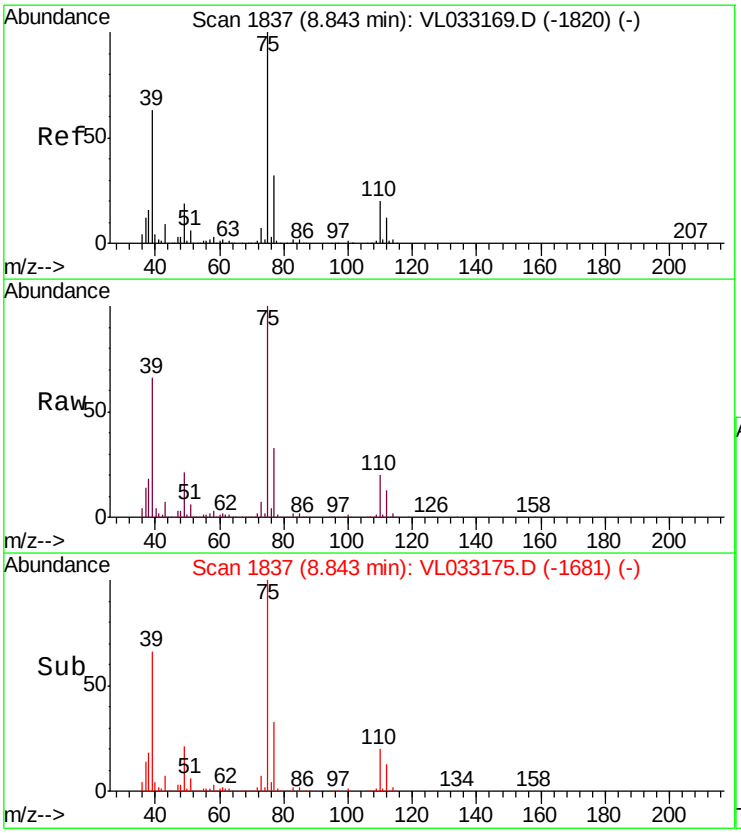
#45
t-1,3-Dichloropropene
Concen: 15.620 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 1860354

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4

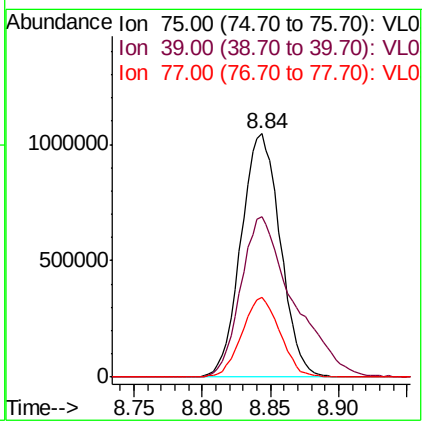


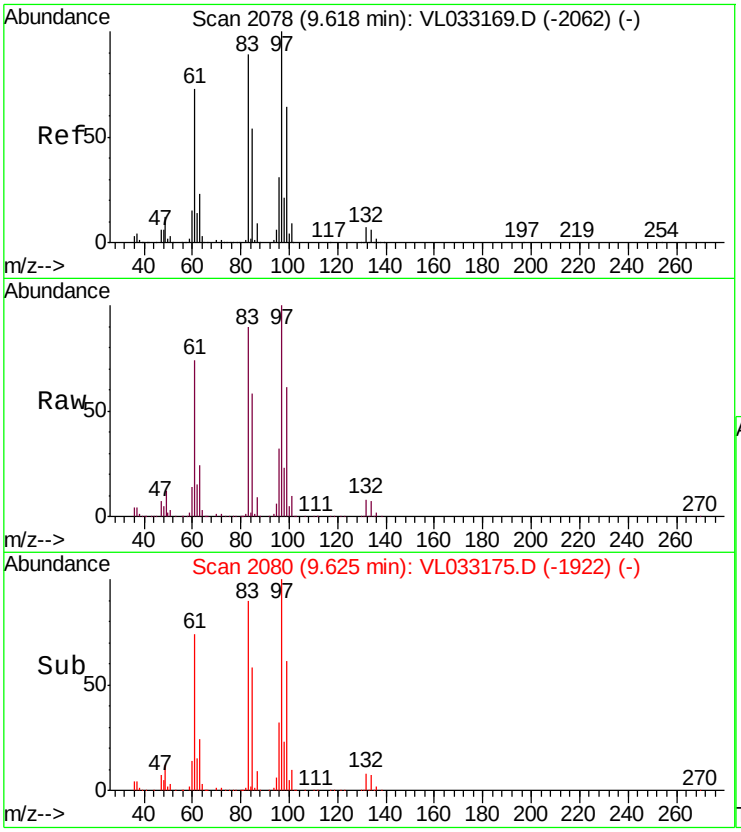


#46
cis-1,3-Dichloropropene
Concen: 13.775 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 75 Resp: 2089708

Ion	Ratio	Lower	Upper
75	100		
39	65.9	50.1	75.1
77	32.9	25.4	38.2



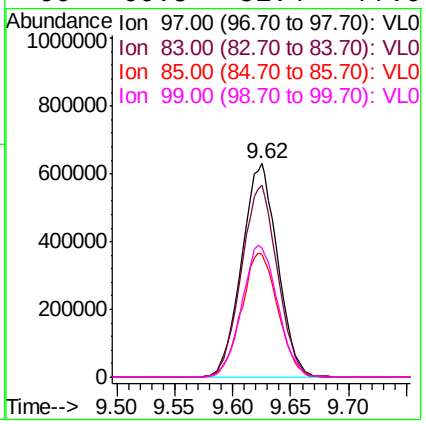


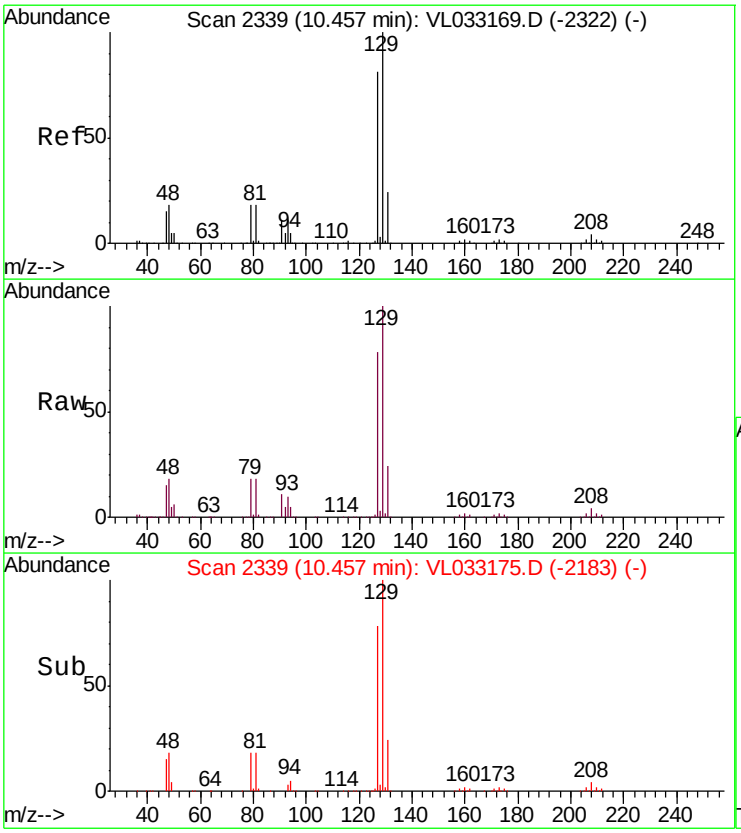
#47
1,1,2-Trichloroethane
Concen: 12.414 ppbv
RT: 9.62 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 1358660

Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.4	107.2
85	57.6	43.5	65.3
99	60.5	51.4	77.0

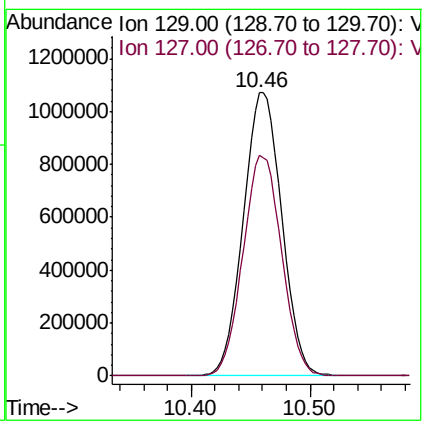


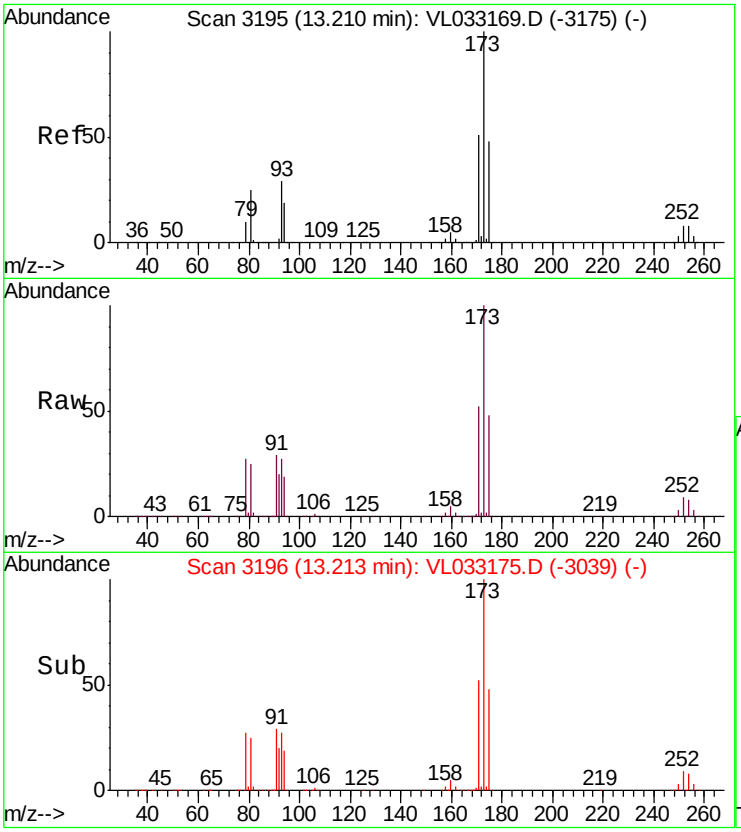


#48
Dibromochloromethane
Concen: 13.936 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:129 Resp: 2401096

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3



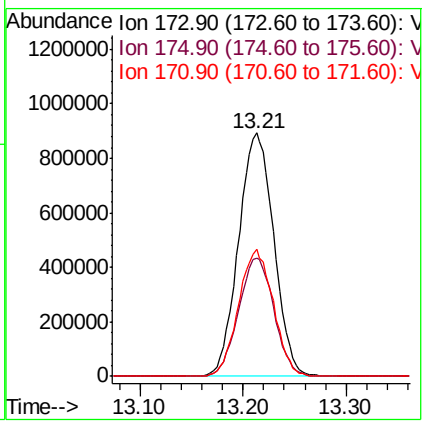


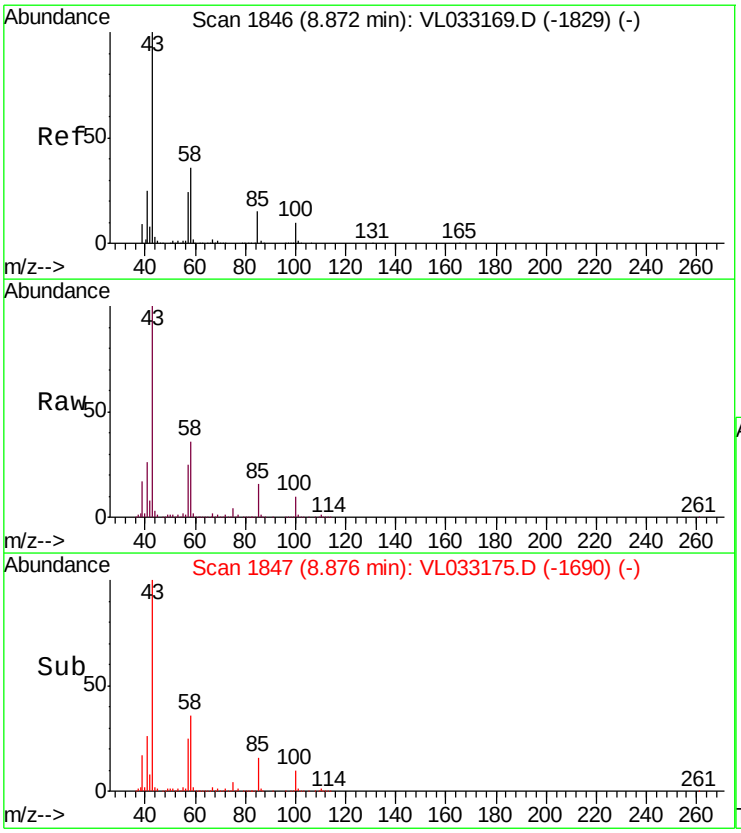
#49
Bromoform
Concen: 14.298 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 2119381

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	58.0
171	51.5	41.6	62.4

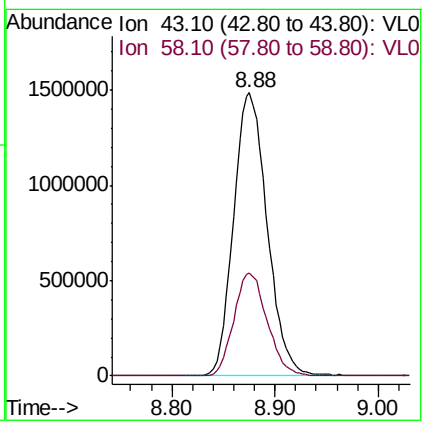


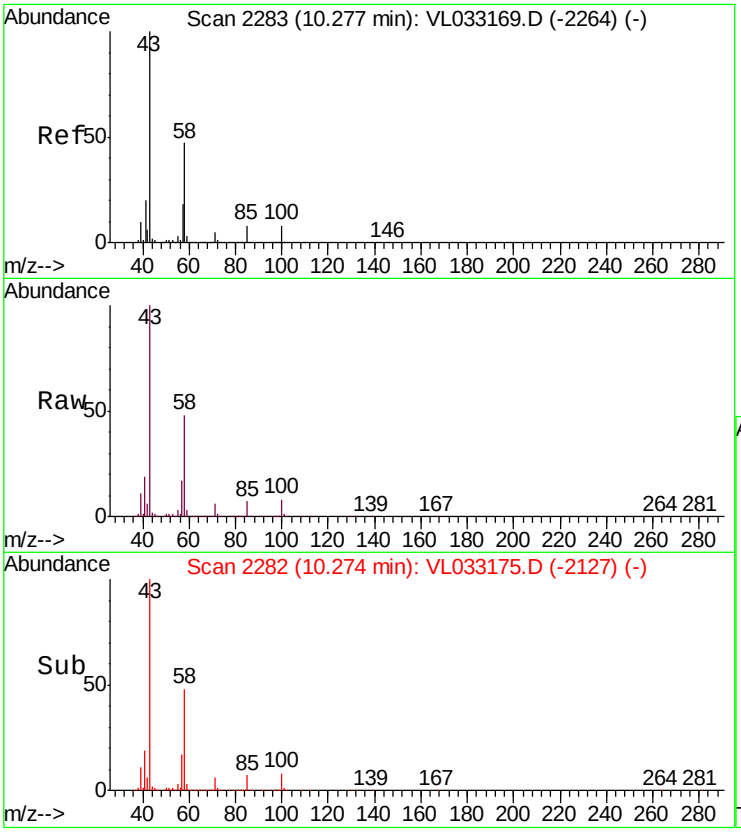


#50
4-Methyl-2-Pentanone
Concen: 12.574 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 43 Resp: 3369937

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.0	43.6



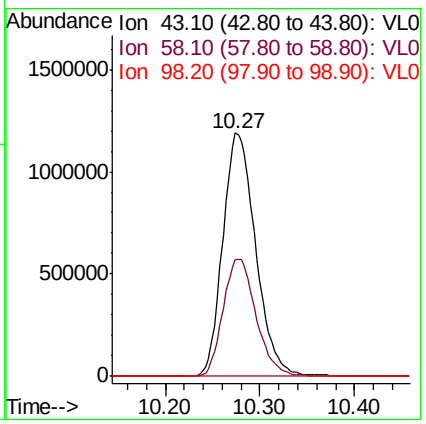


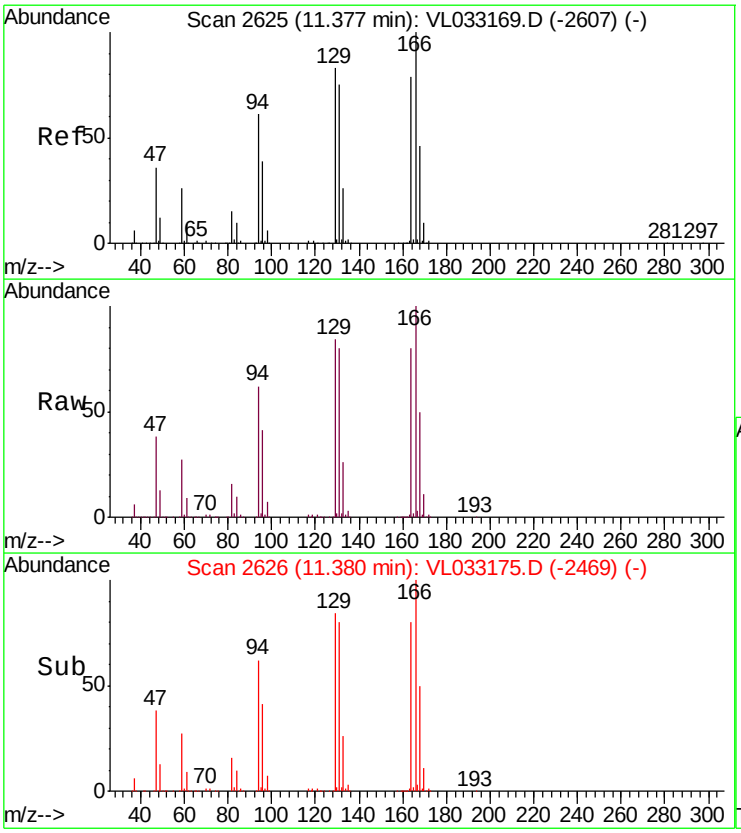
#51
2-Hexanone
Concen: 13.575 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 2868565

Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.0	58.6
98	0.1	0.1	0.1#

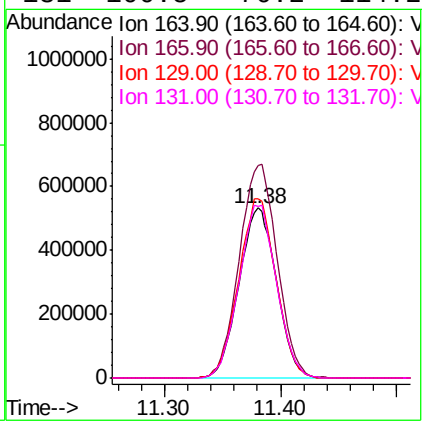


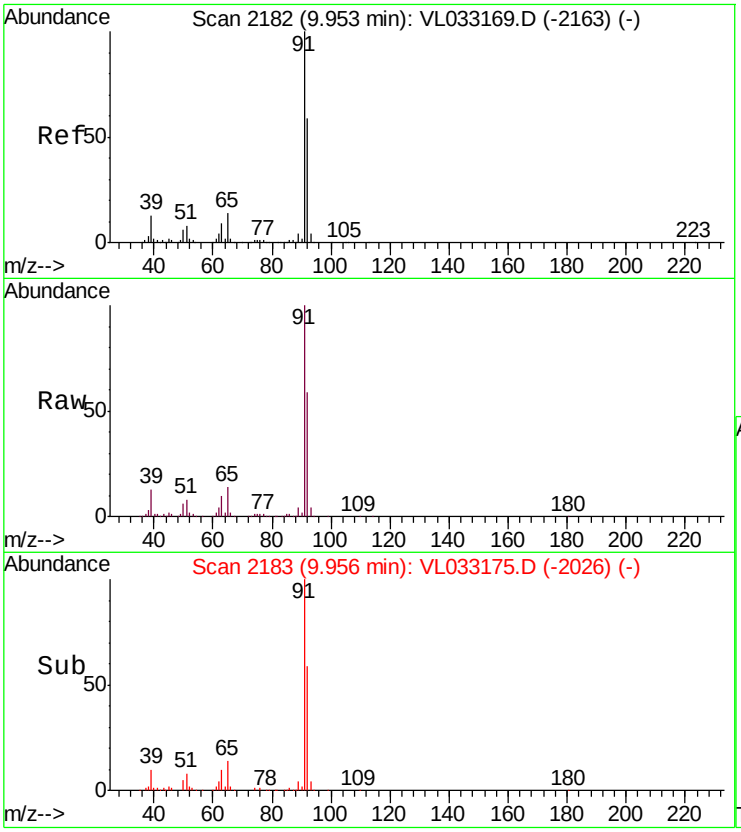


#52
Tetrachloroethene
Concen: 11.687 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:164 Resp: 1198978

Ion	Ratio	Lower	Upper
164	100		
166	124.9	100.9	151.3
129	105.0	83.9	125.9
131	100.5	76.2	114.2



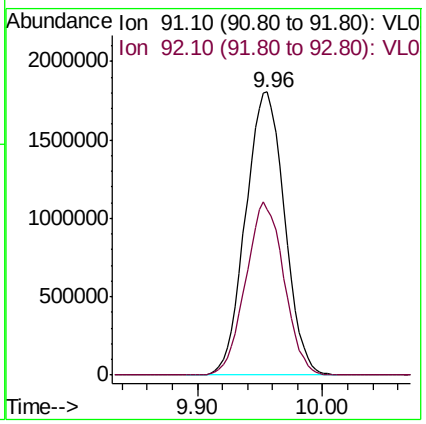


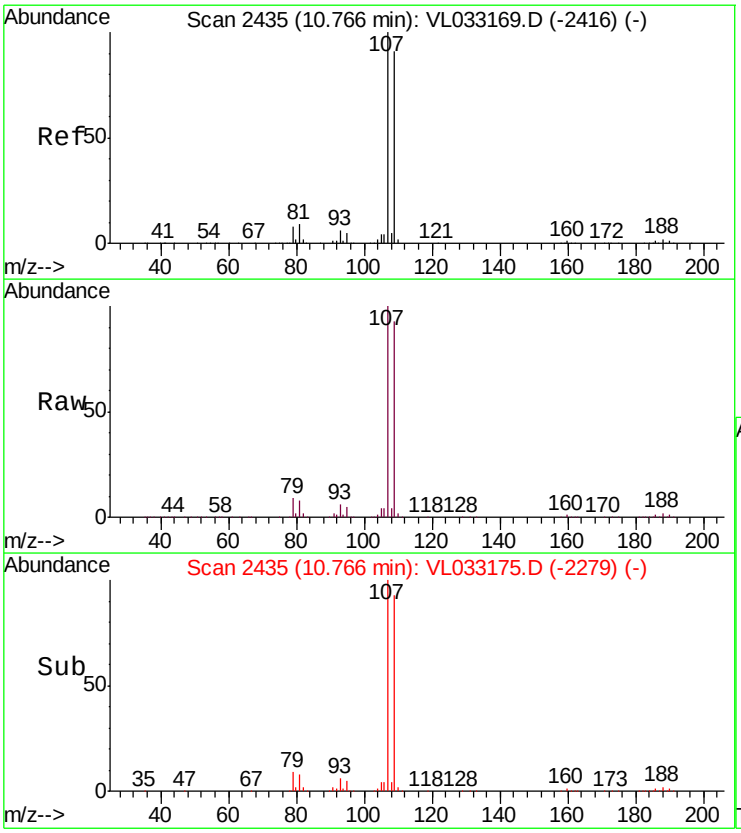
#53
Toluene
Concen: 12.357 ppbv
RT: 9.96 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 3907363

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.0	72.0

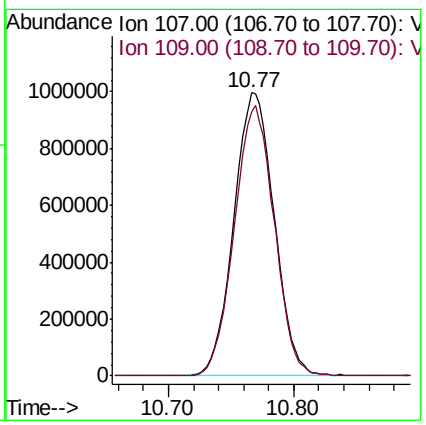


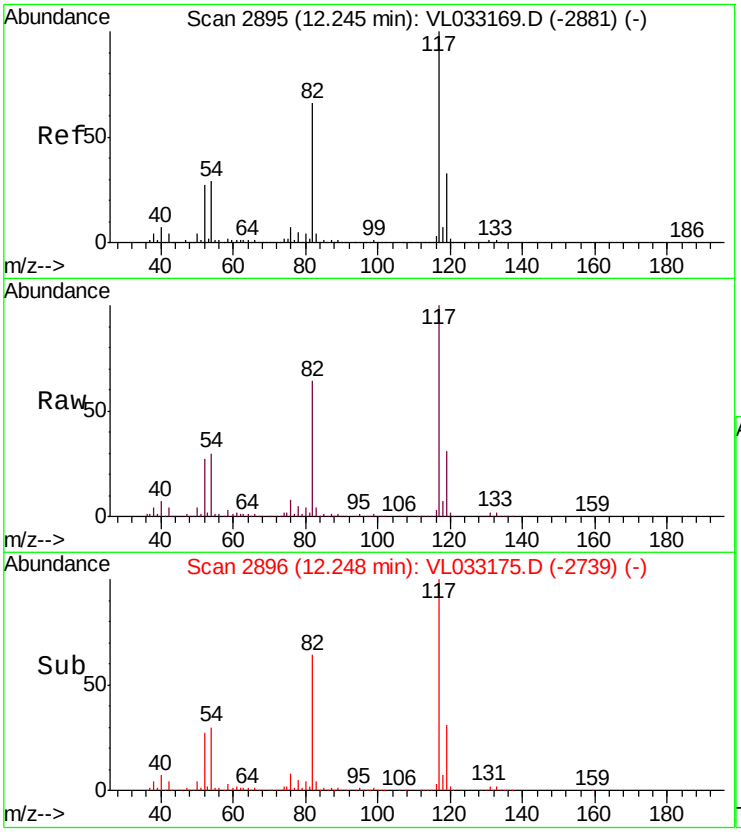


#54
1,2-Dibromoethane
Concen: 12.961 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:107 Resp: 2224343

Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.2	109.8



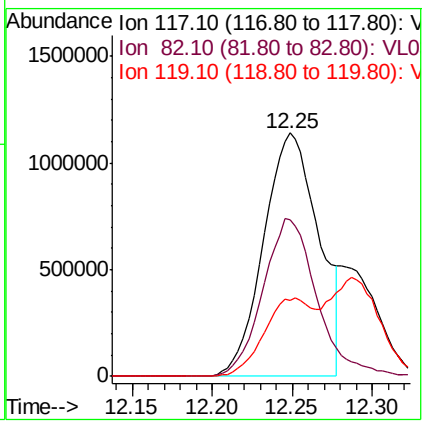


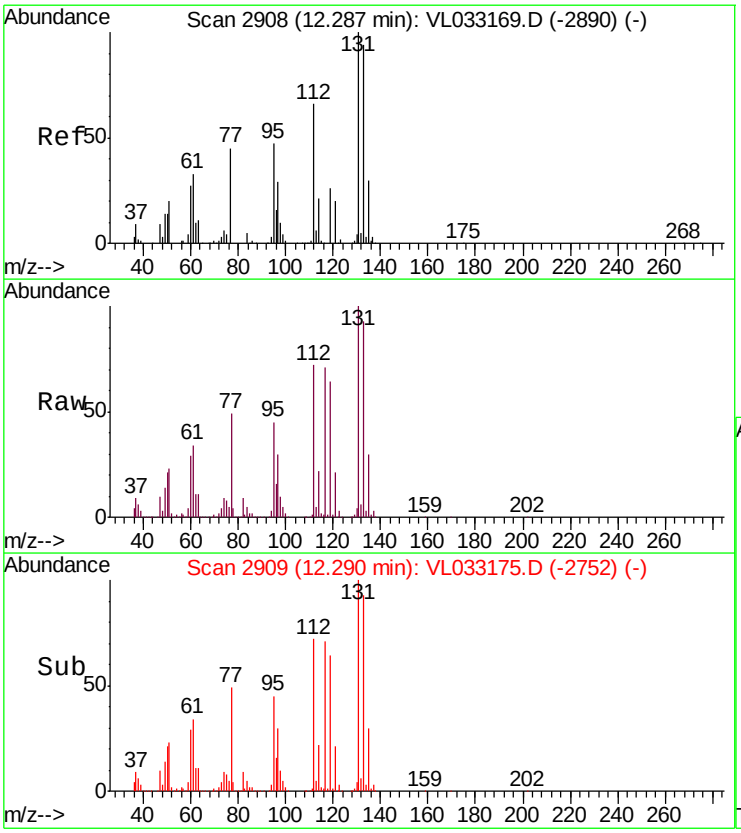
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 2731871

Ion	Ratio	Lower	Upper
117	100		
82	63.7	53.8	80.8
119	67.1	46.9	70.3

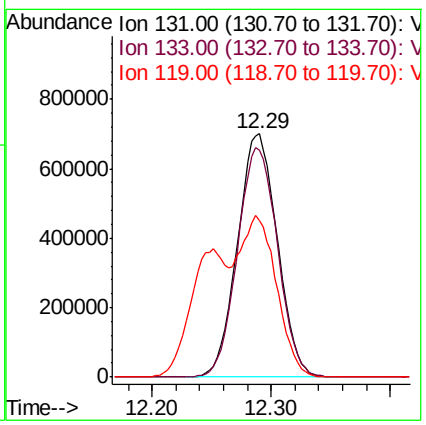


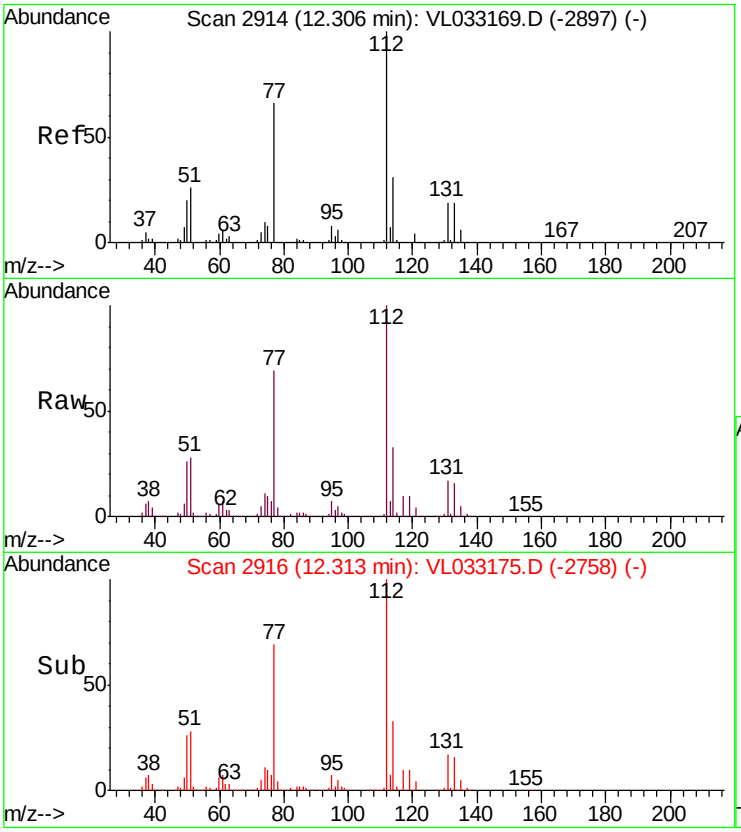


#56
1,1,1,2-Tetrachloroethane
Concen: 12.735 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:131 Resp: 1620587

Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.8	113.6
119	68.9	48.1	72.1



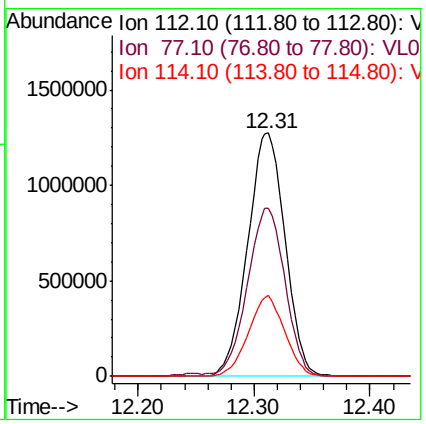


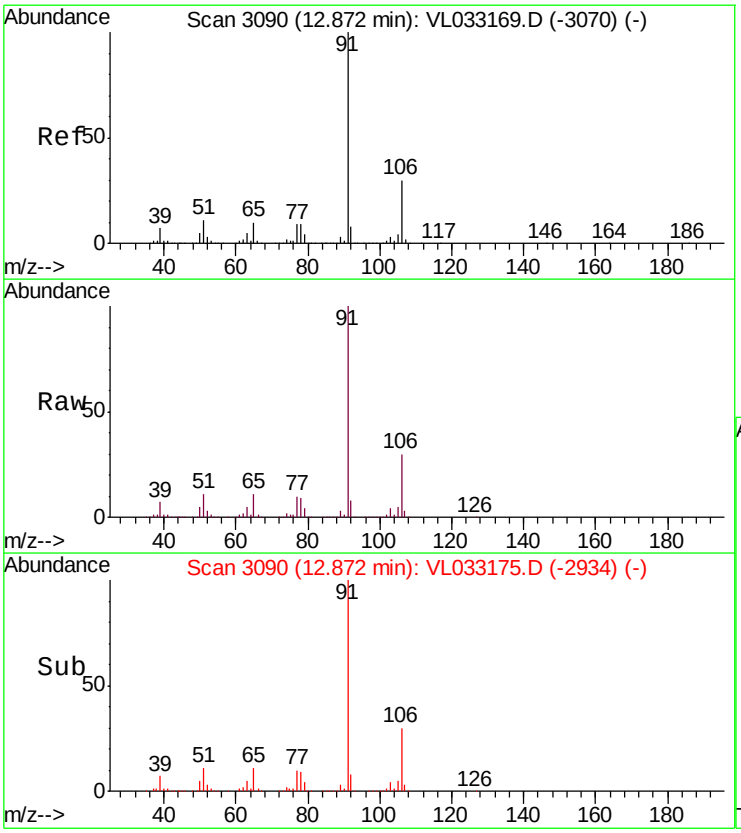
#57
Chlorobenzene
Concen: 11.812 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 2856804

Ion	Ratio	Lower	Upper
112	100		
77	68.7	54.0	81.0
114	33.1	27.9	34.1

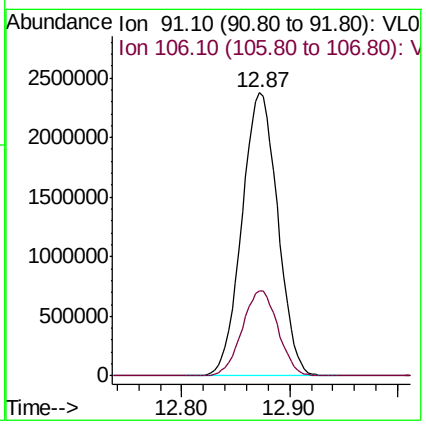


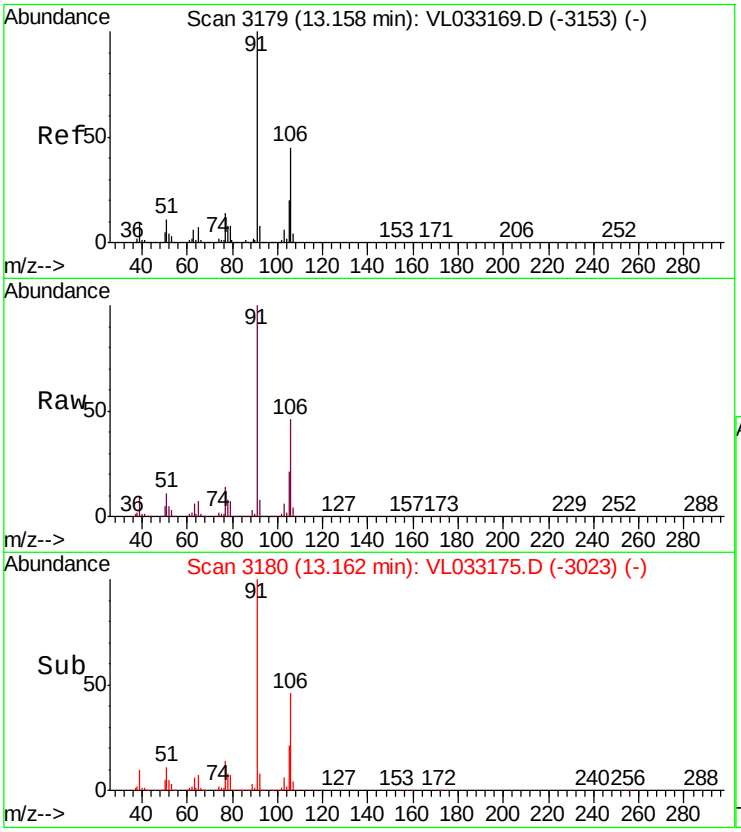


#58
Ethyl Benzene
Concen: 12.208 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 91 Resp: 5475317

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.8



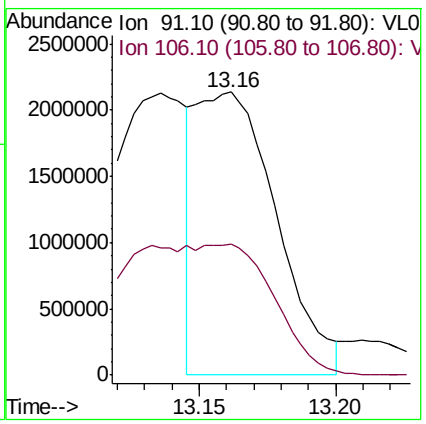


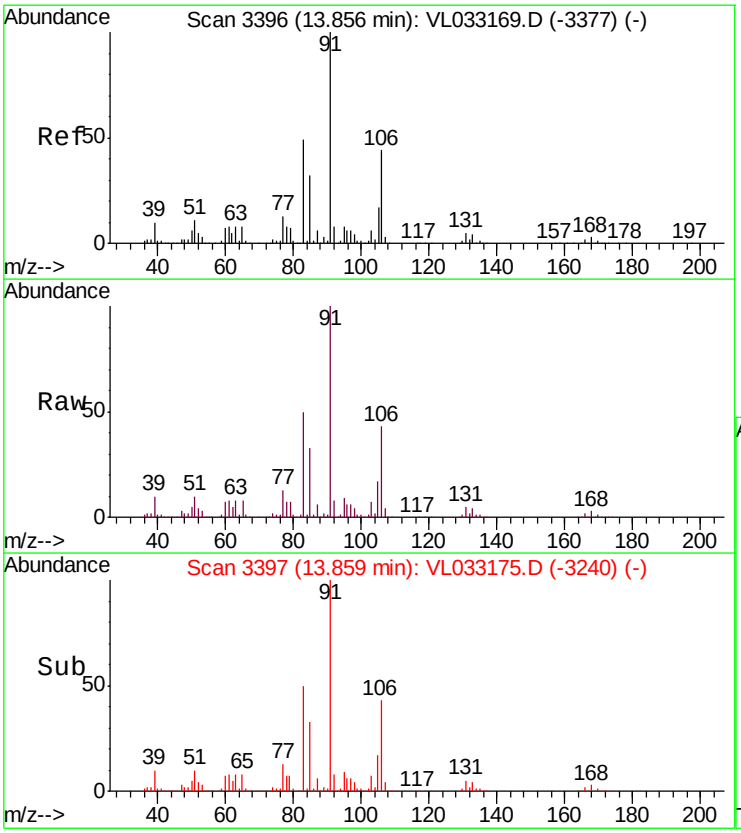
#59
m/p-Xylene
Concen: 11.684 ppbv
RT: 13.16 min Scan# 3180
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 4359201

Ion	Ratio	Lower	Upper
91	100		
106	92.4	36.6	55.0#

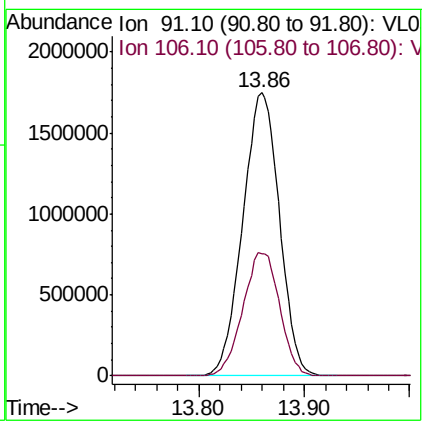


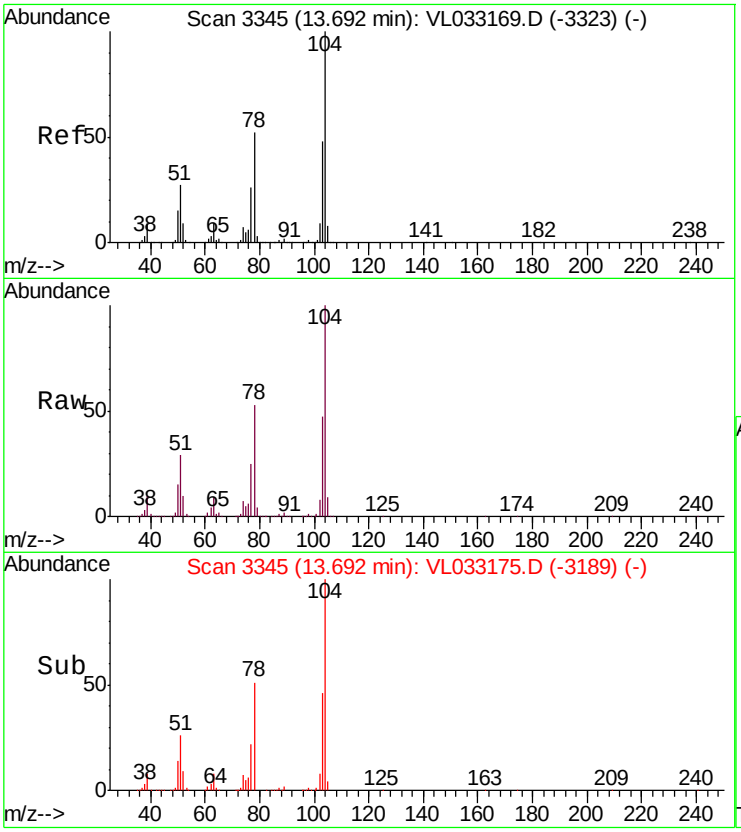


#60
o-Xylene
Concen: 11.634 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 91 Resp: 4232461

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.8	65.3



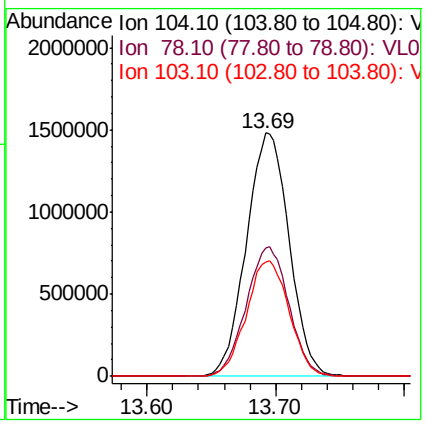


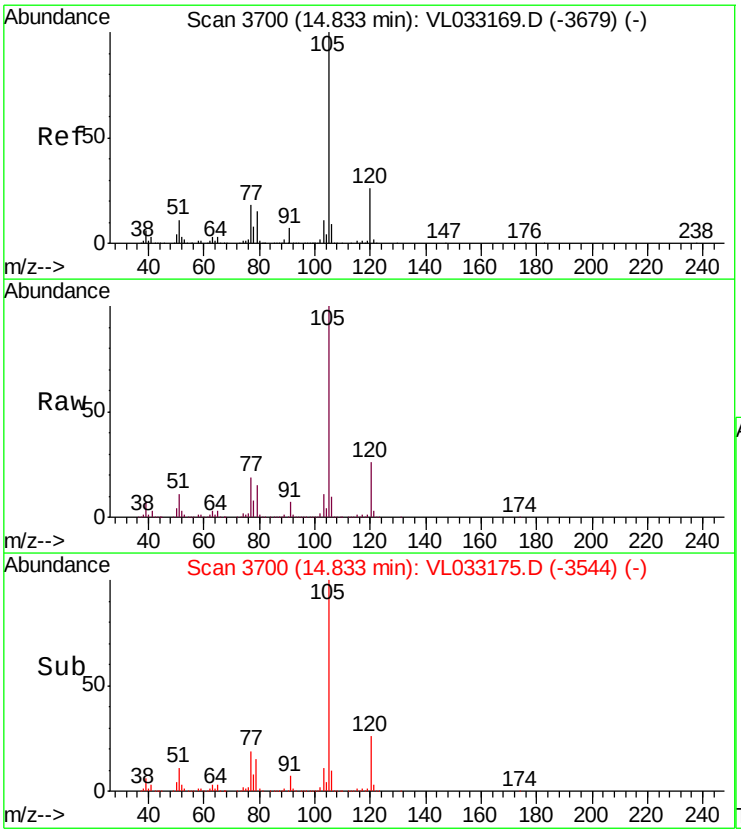
#61
Styrene
Concen: 12.473 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 3425401

Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.9	62.9
103	47.6	37.9	56.9

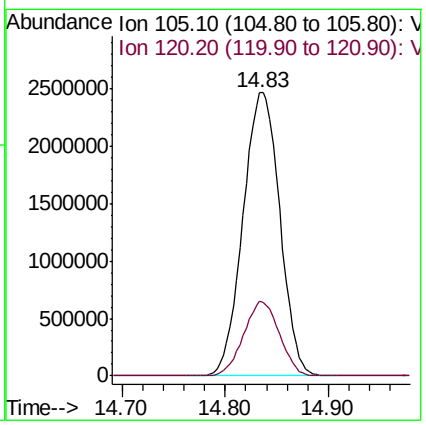


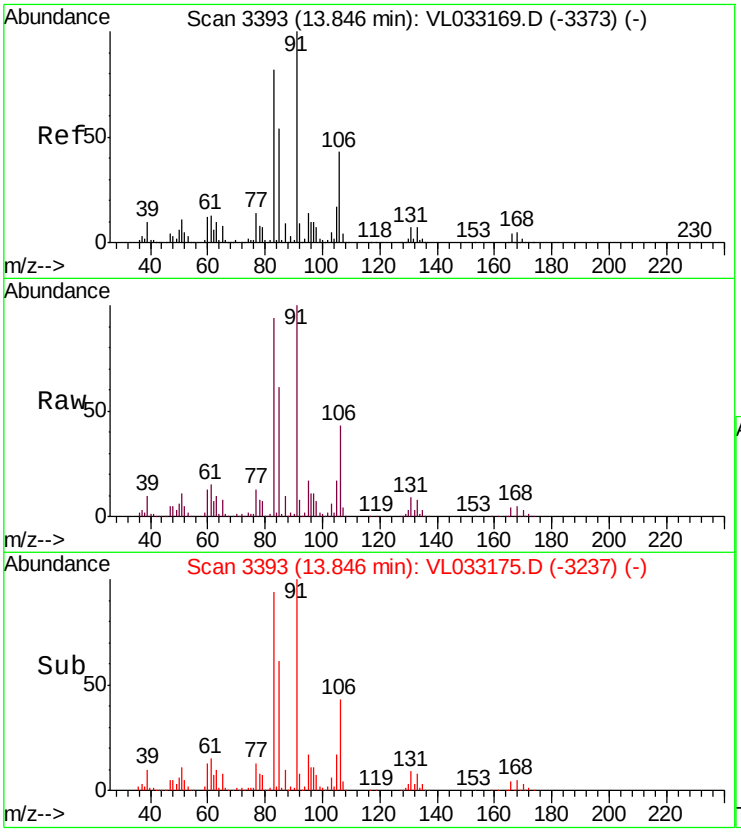


#62
Isopropylbenzene
Concen: 11.919 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:105 Resp: 6117756

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.3	30.5



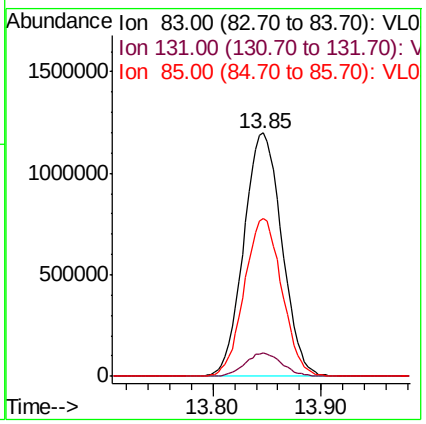


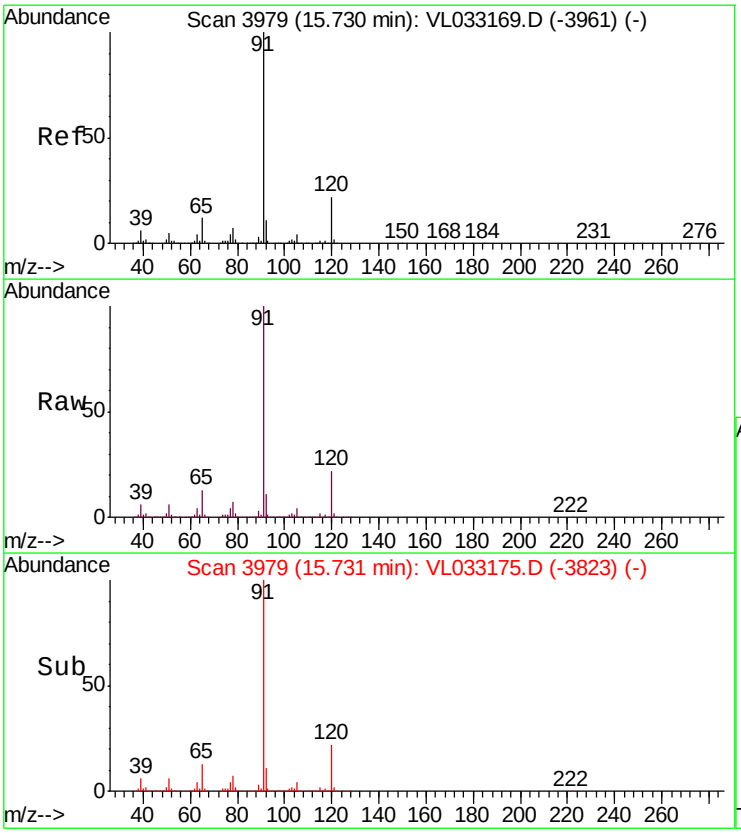
#63
1,1,2,2-Tetrachloroethane
Concen: 10.349 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2942684

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.2	32.8	98.3

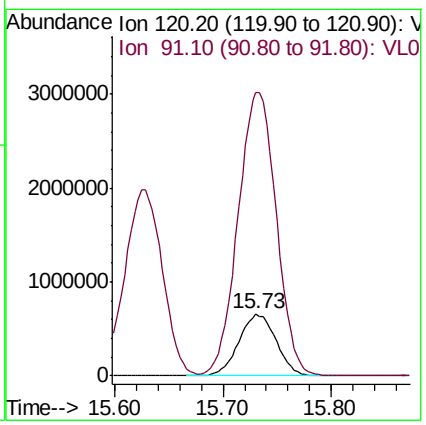


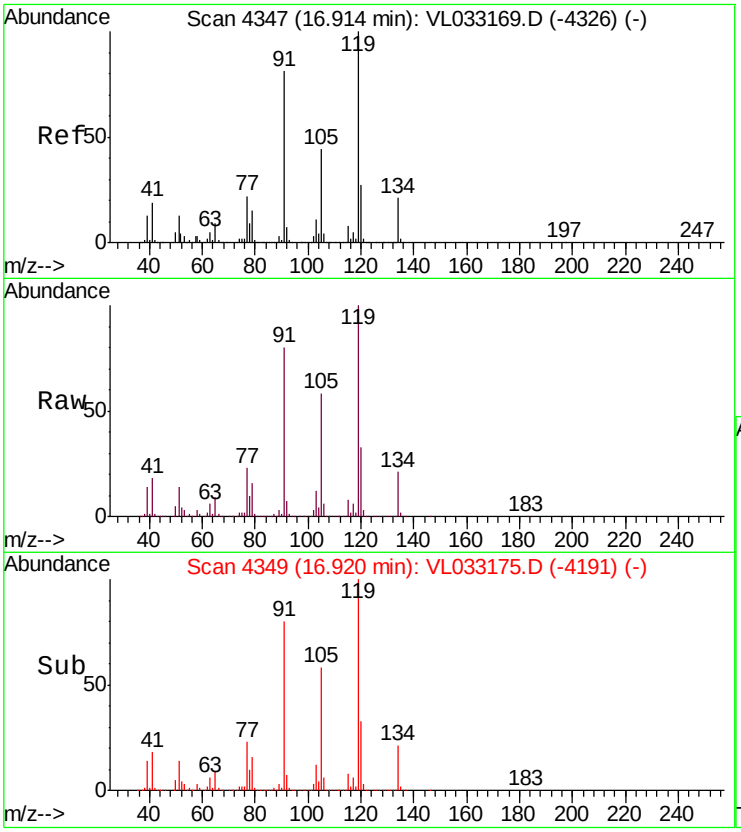


#64
n-propylbenzene
Concen: 12.108 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:120 Resp: 1579943

Ion	Ratio	Lower	Upper
120	100		
91	471.8	383.9	575.9



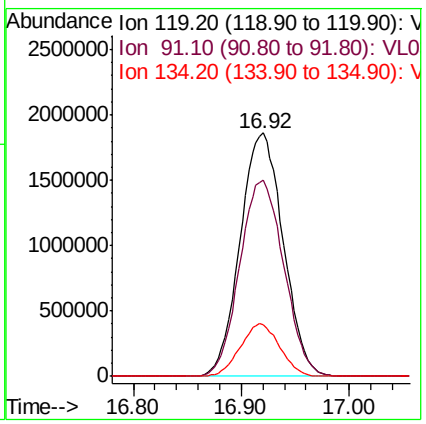


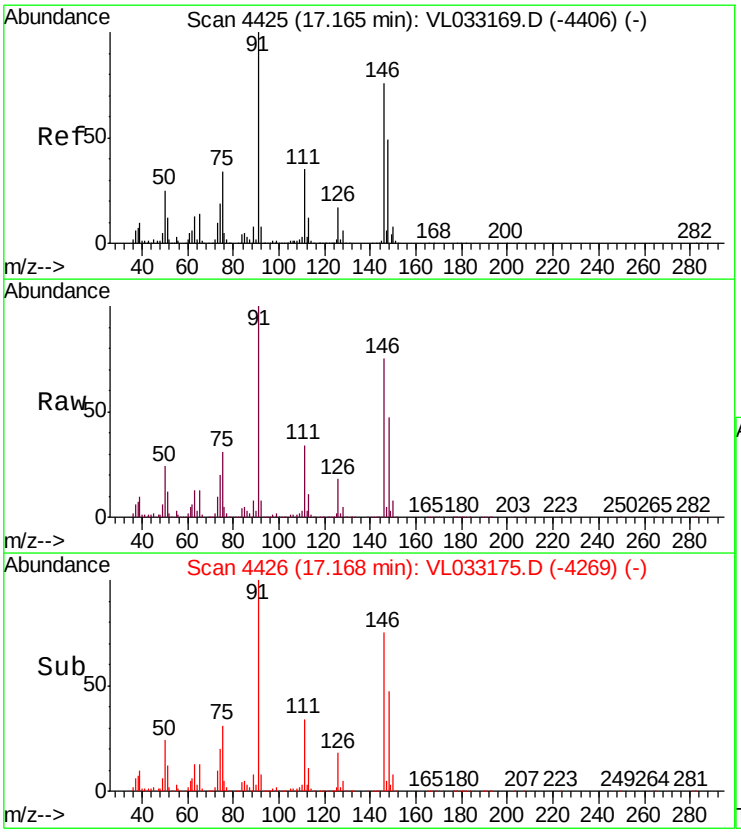
#65
tert-Butylbenzene
Concen: 11.539 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.01 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 5157040

Ion	Ratio	Lower	Upper
119	100		
91	82.7	65.6	98.4
134	19.8	15.8	23.8

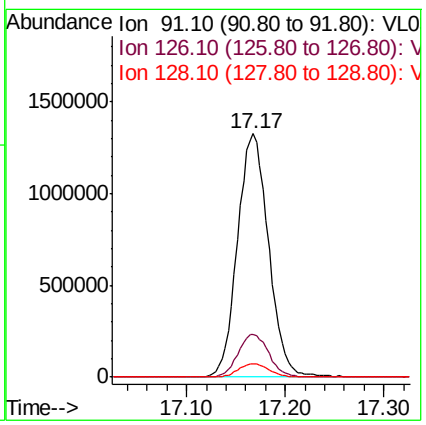


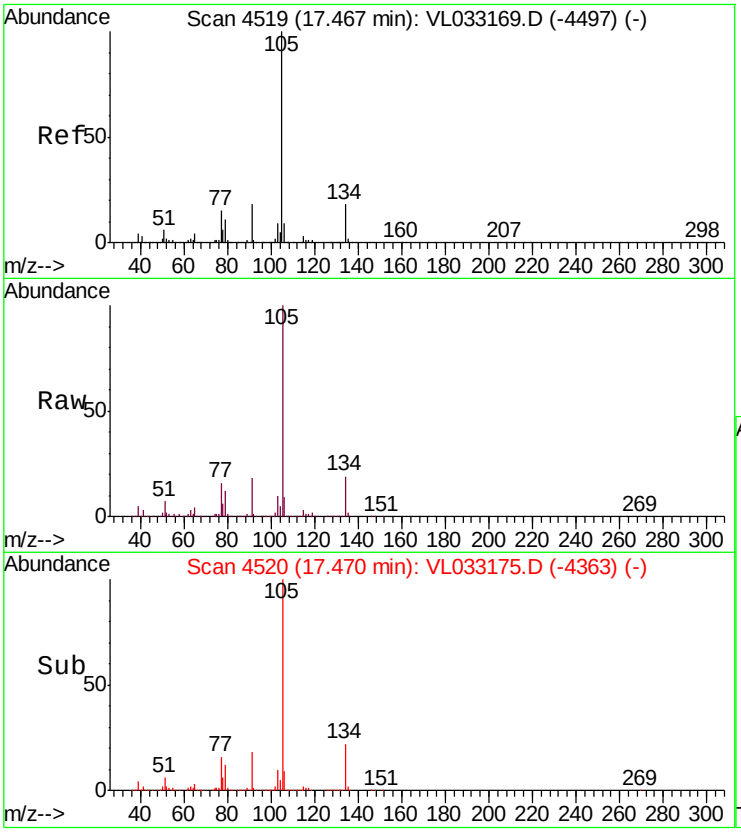


#66
Benzyl Chloride
Concen: 18.119 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 91 Resp: 2894279

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.8	20.6
128	5.5	4.5	6.7



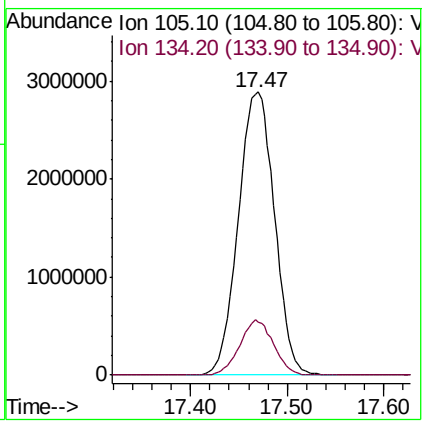


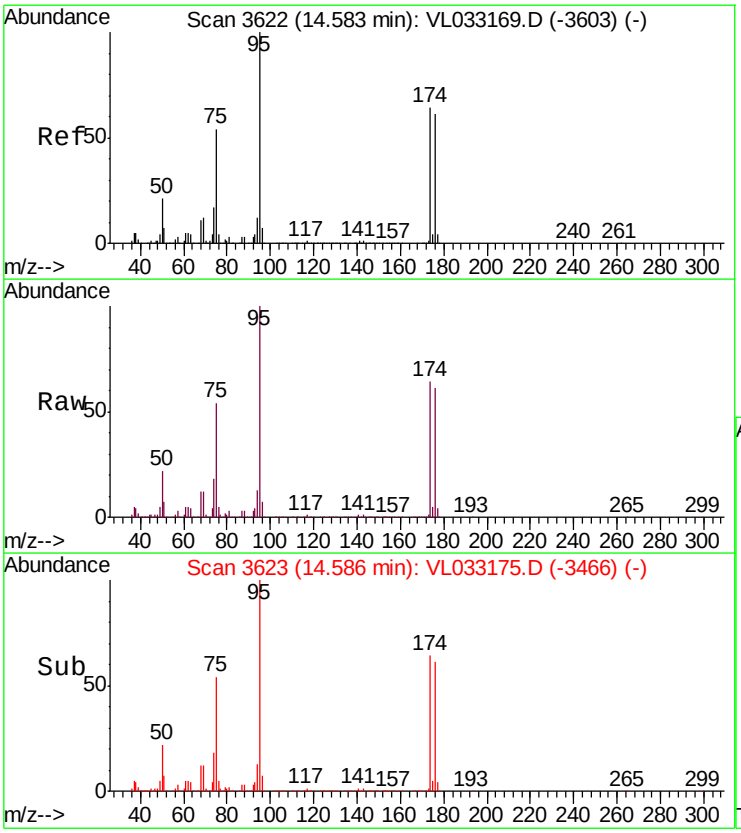
#67
sec-Butylbenzene
Concen: 11.547 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 7491704

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

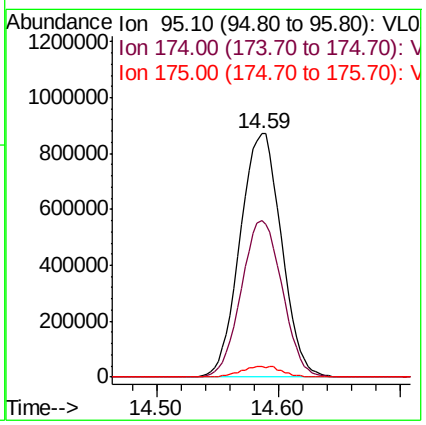


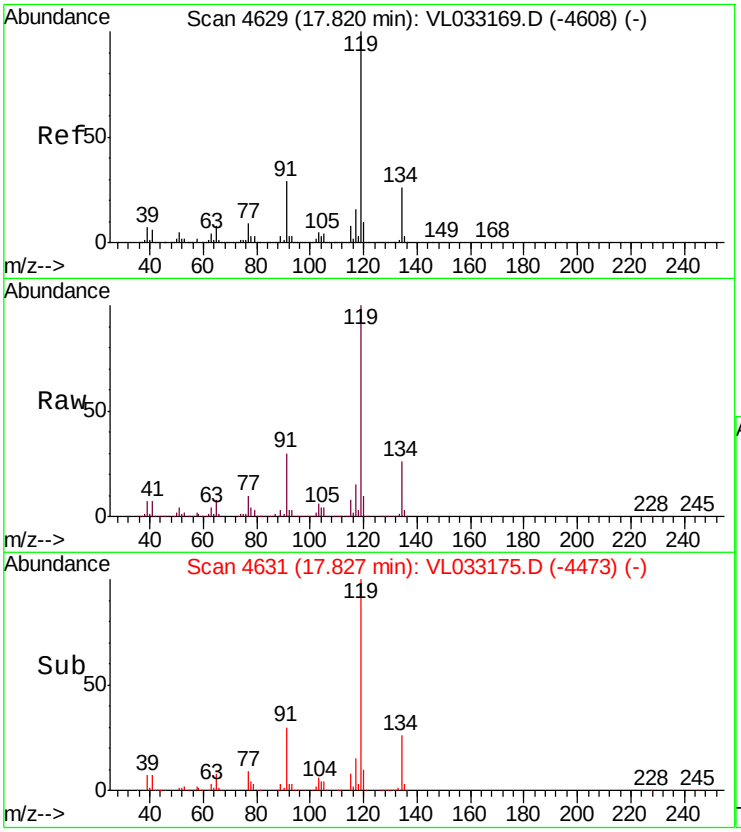


#68
1-Bromo-4-Fluorobenzene
Concen: 9.611 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 95 Resp: 2046404

Ion	Ratio	Lower	Upper
95	100		
174	63.6	51.1	76.7
175	4.6	3.8	5.6



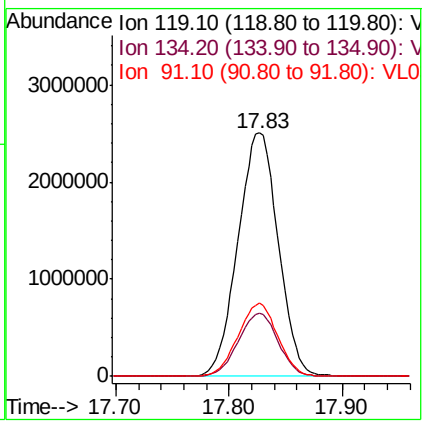


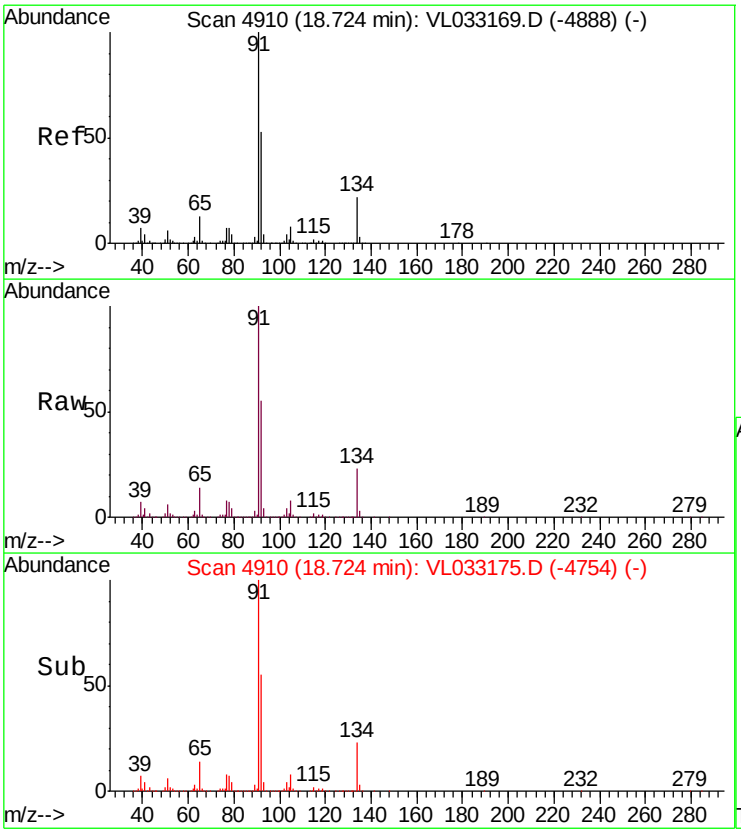
#69
p-Isopropyltoluene
Concen: 11.474 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.01 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:119 Resp: 6199936

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.4	30.6
91	29.5	23.4	35.0

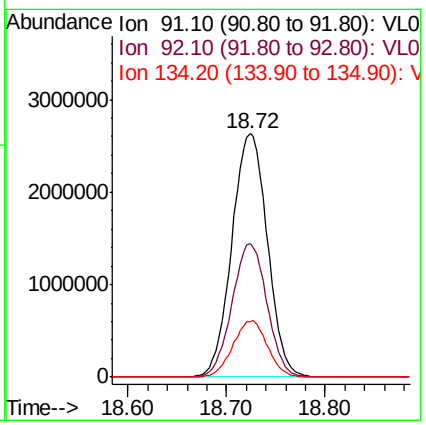


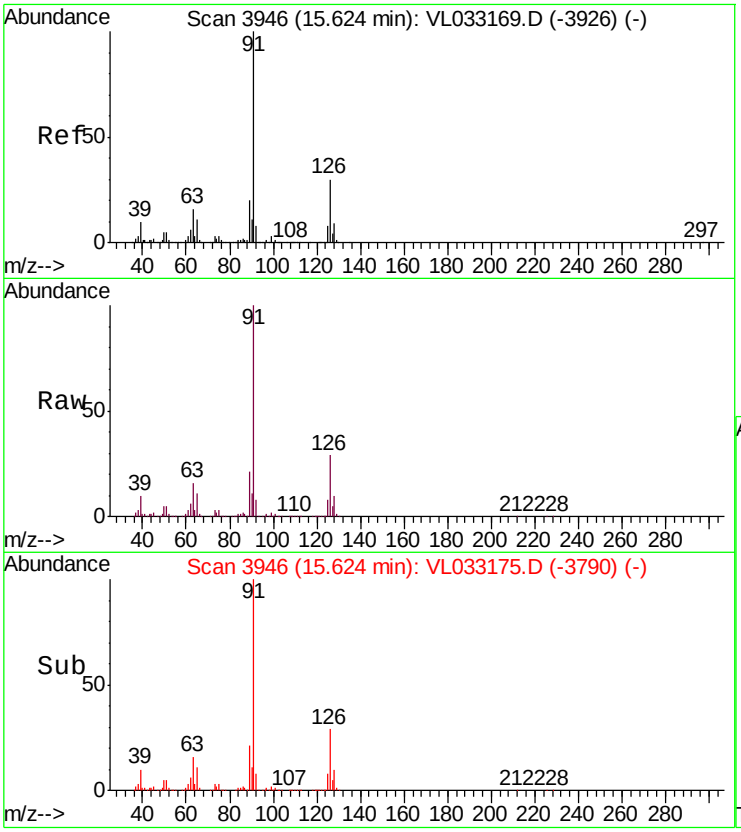


#70
n-Butylbenzene
Concen: 11.261 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion: 91 Resp: 6564513

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.0	64.4
134	22.6	17.5	26.3



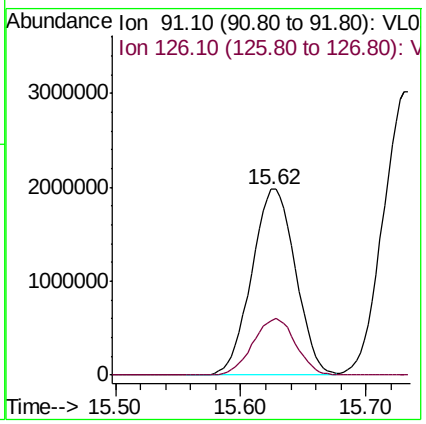


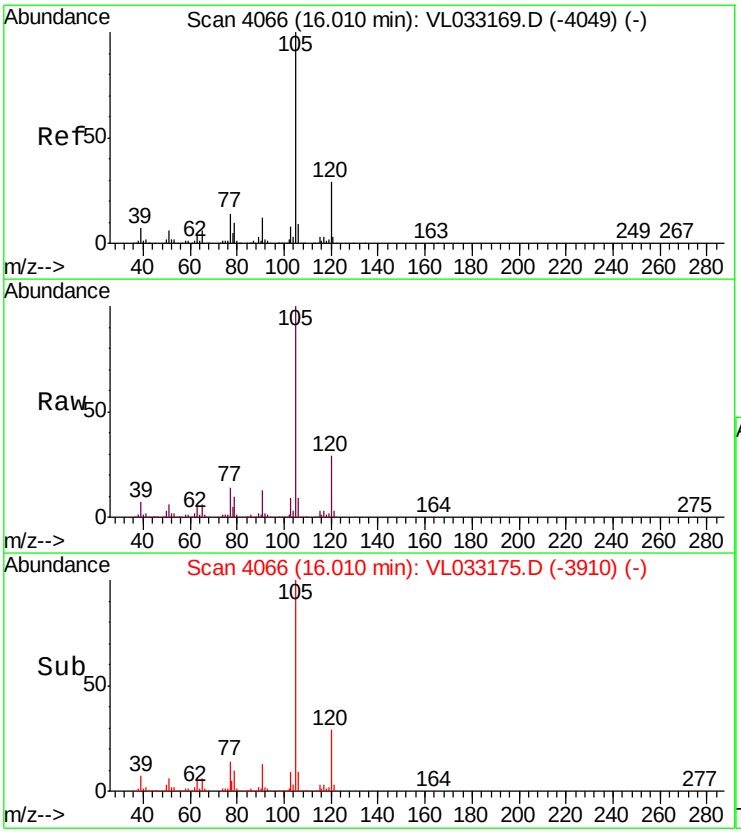
#71
2-Chlorotoluene
Concen: 11.955 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 4821553

Ion	Ratio	Lower	Upper
91	100		
126	29.9	11.8	47.4

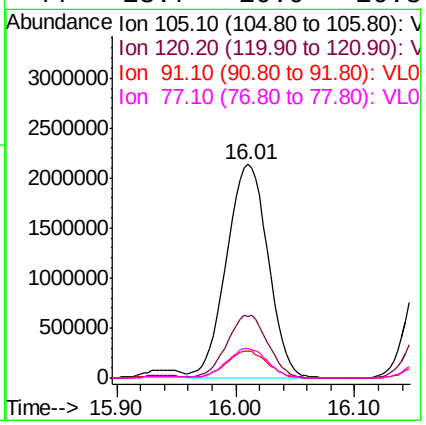


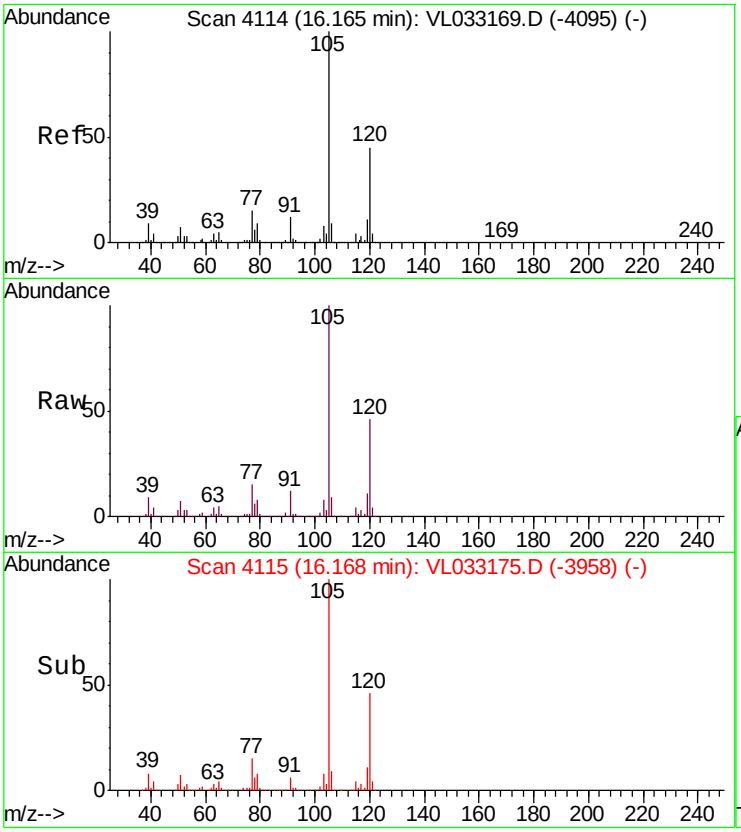


#72
4-Ethyltoluene
Concen: 12.300 ppbv
RT: 16.01 min Scan# 4066
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:105 Resp: 5160886

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.1	34.7
91	12.6	9.8	14.6
77	13.7	10.9	16.3



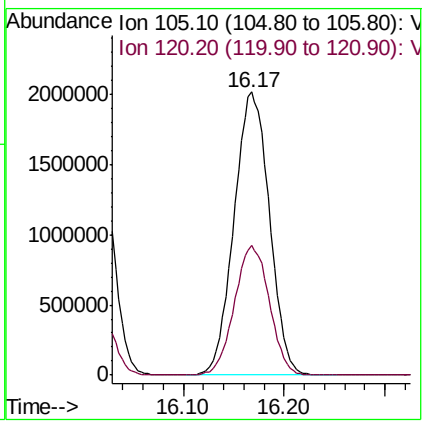


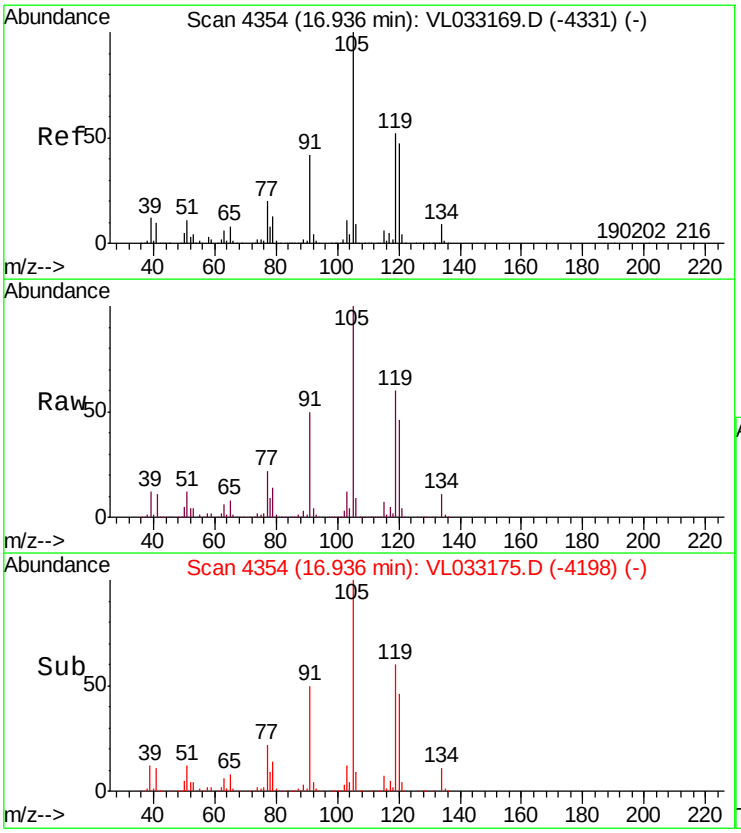
#73
1,3,5-Trimethylbenzene
Concen: 12.166 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 4881838

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.2	54.4

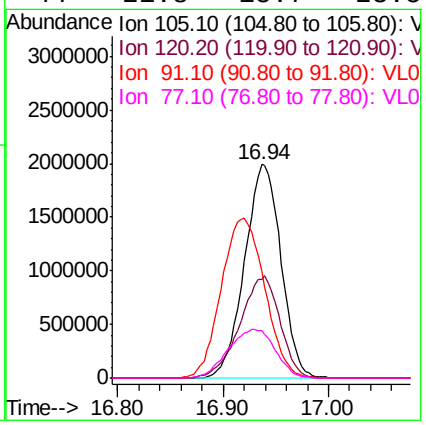


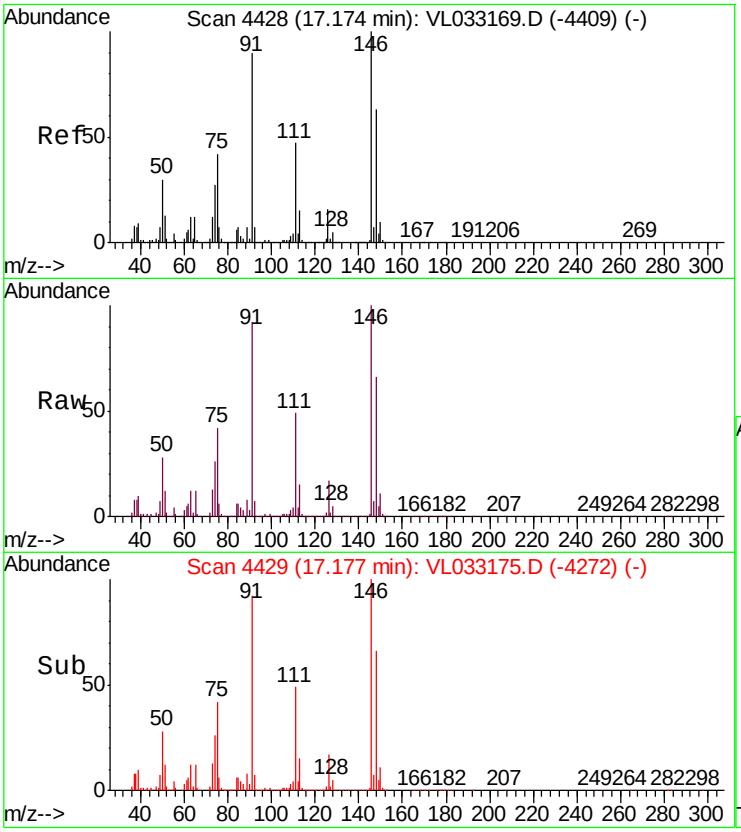


#74
1,2,4-Trimethylbenzene
Concen: 11.453 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:105 Resp: 4766705

Ion	Ratio	Lower	Upper
105	100		
120	46.2	37.9	56.9
91	49.6	34.0	51.0
77	21.8	15.7	23.5



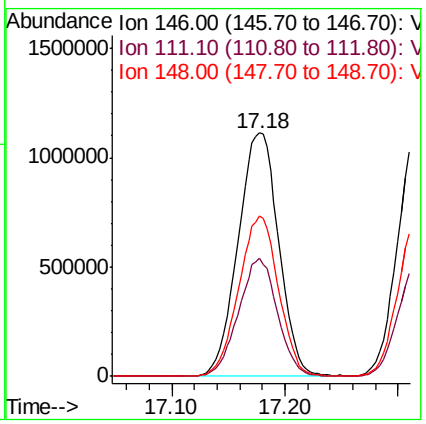


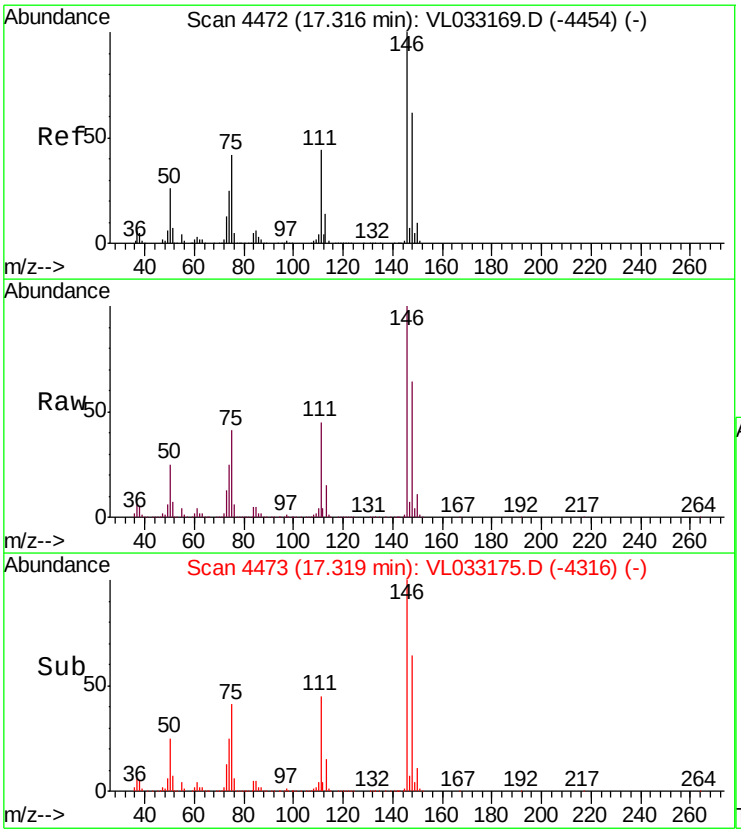
#75
1,3-Dichlorobenzene
Concen: 11.584 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 2780495

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.2	69.6
148	64.4	31.8	95.4

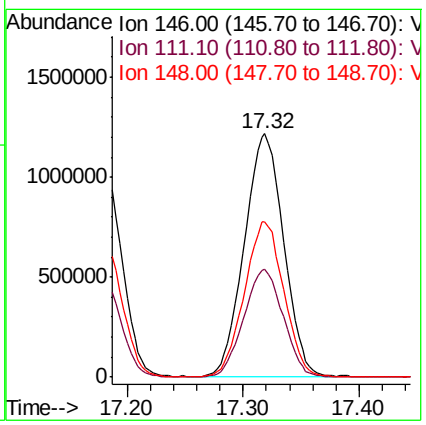


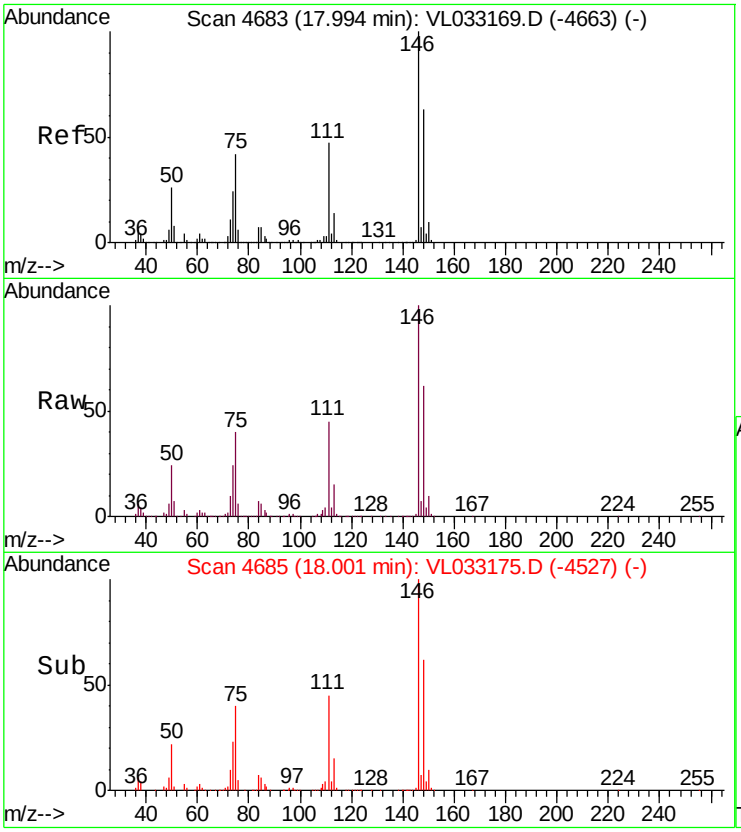


#76
1,4-Dichlorobenzene
Concen: 12.046 ppbv
RT: 17.32 min Scan# 4473
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:146 Resp: 2864726

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.3	66.9
148	63.9	32.0	96.0



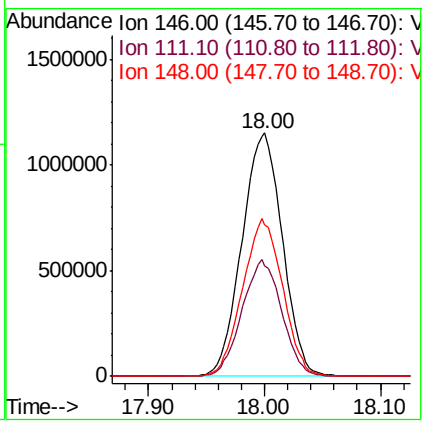


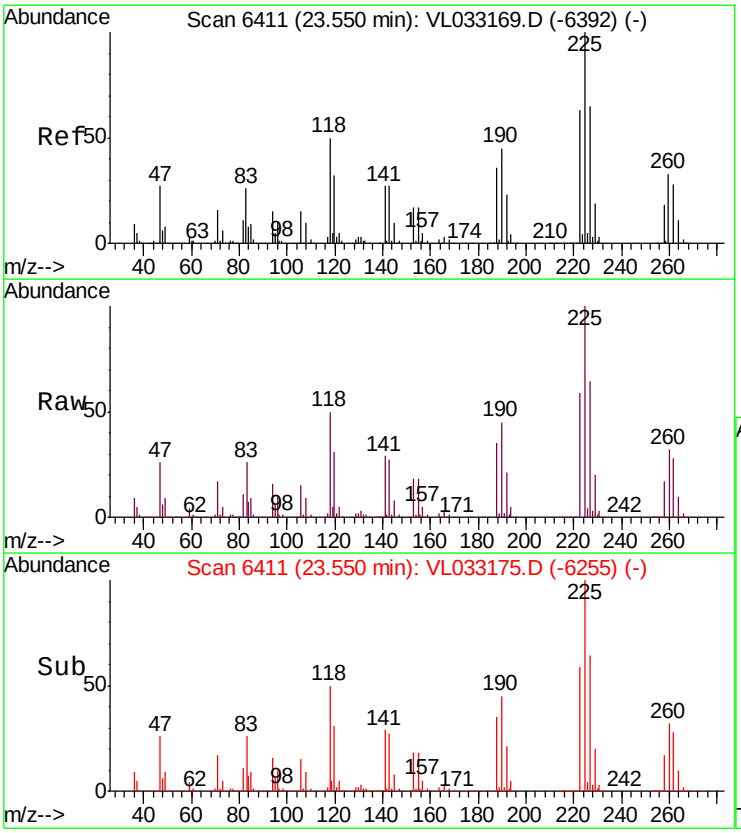
#77
1,2-Dichlorobenzene
Concen: 11.799 ppbv
RT: 18.00 min Scan# 4685
Delta R.T. 0.01 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 2798821

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.5	70.6
148	64.2	31.9	95.7

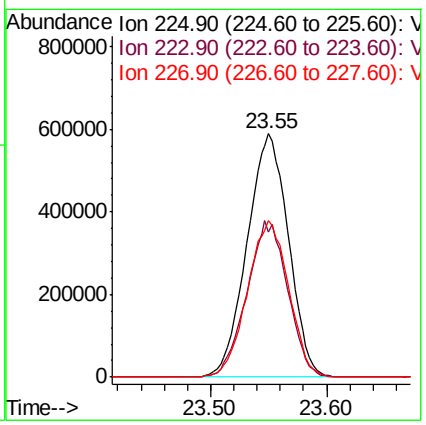


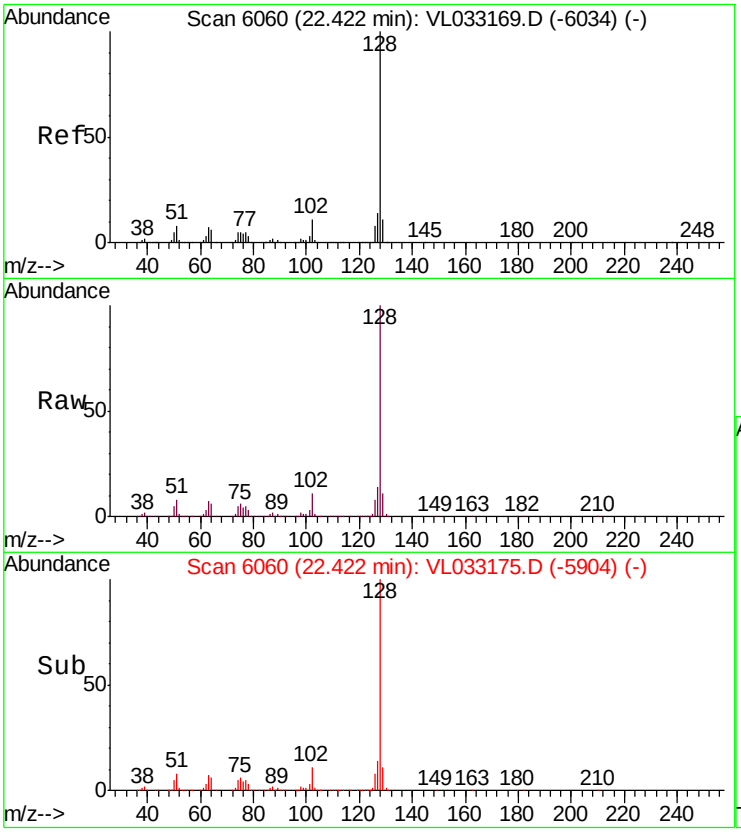


#78
Hexachloro-1,3-Butadiene
Concen: 12.385 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:225 Resp: 1460759

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	75.8
227	63.8	51.4	77.2



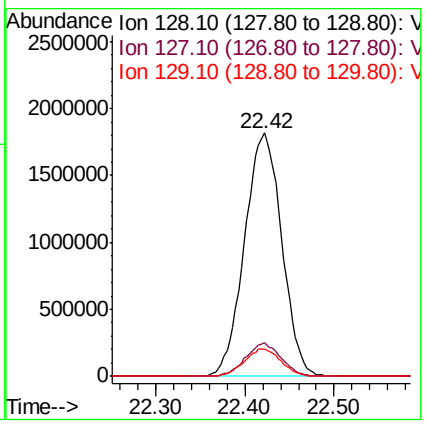


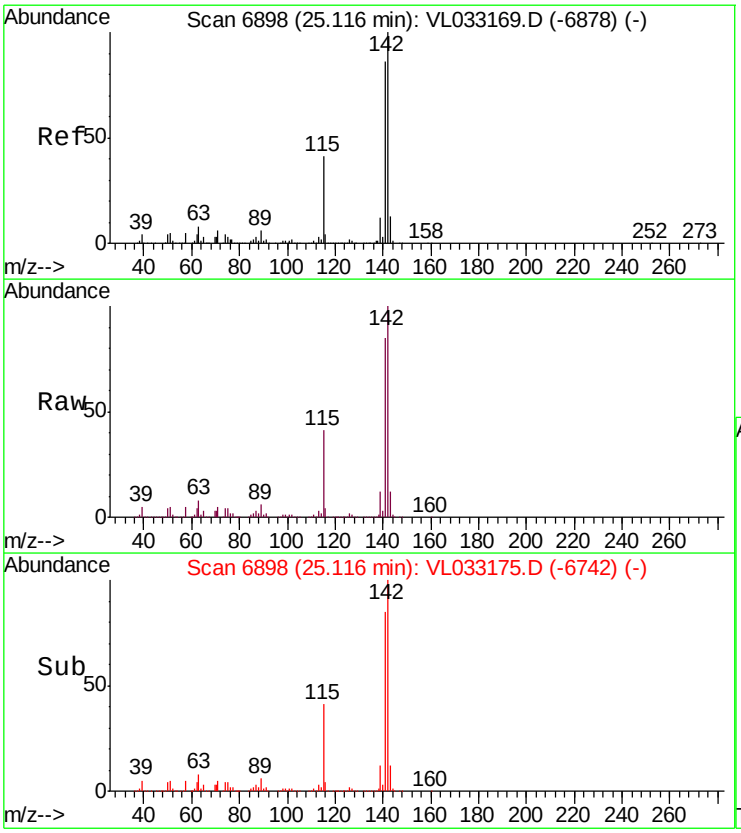
#79
Naphthalene
Concen: 11.803 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 5278913

Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	11.2	8.6	12.8

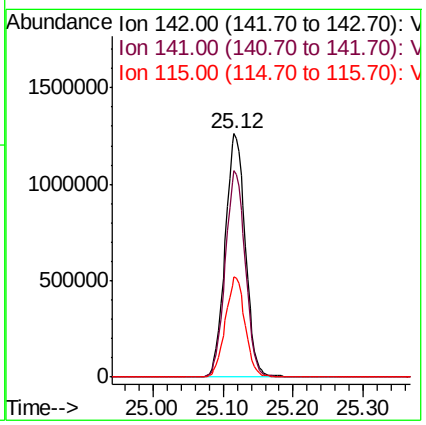


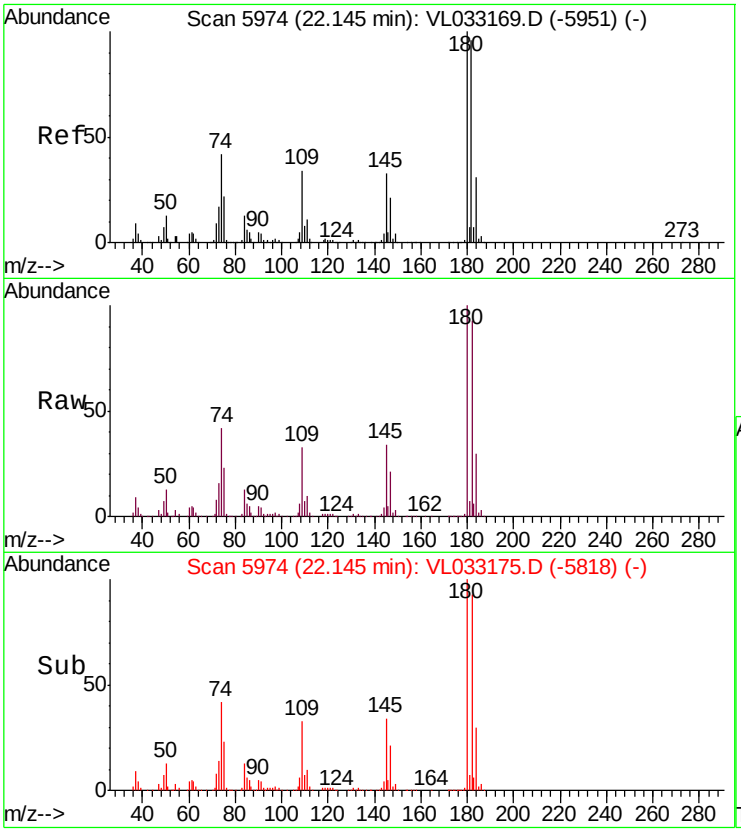


#80
Naphthalene,2-methyl-
Concen: 11.185 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Tgt Ion:142 Resp: 2530171

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.7	101.5
115	40.3	32.7	49.1





#81
1,2,4-Trichlorobenzene
Concen: 11.360 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033175.D
Acq: 6 Feb 2019 5:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 2581000

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.8
184	30.7	24.3	36.5