Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020419\

Quantitation Report (Not Reviewed)

Data File : VL033167.D
Acq On : 5 Feb 2019 4:33
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 05 05:39:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Feb 04 14:41:39 2019
QLast Update : Mon Feb 04 14:41:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1191332	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3014609	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3735891	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2343541	8.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 84.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	1781575	10.156	ppbv		98
3) Chlorodifluoromethane	3.01	51	1128652	8.506	ppbv		99
4) Chloromethane	3.17	50	638782	8.555	ppbv		99
5) Vinyl Chloride	3.29	62	600966	8.155	ppbv		99
6) Bromomethane	3.52	94	363255	8.748	ppbv		98
7) Chloroethane	3.60	64	219419	8.757	ppbv	#	89
8) Dichlorotetrafluoroethane	3.22	85	1353270	8.416	ppbv		98
9) Propene	3.04	41	564844	8.473	ppbv		100
10) Heptane	8.25	43	1770538	8.525	ppbv		99
11) Trichlorofluoromethane	4.01	101	1466968	8.654	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	996192	9.052	ppbv		96
13) Ethanol	3.65	45	116584	4.436	ppbv		95
14) Bromoethene	3.79	108	459651	9.061	ppbv		99
15) Acetone	3.90	43	1057680	7.457	ppbv		99
16) 1,3-Butadiene	3.36	39	539292	9.366	ppbv		96
17) tert-Butyl alcohol	4.36	59	226673	7.236	ppbv		100
18) 1,1-Dichloroethene	4.35	96	448033	8.847	ppbv		97
19) Isopropyl Alcohol	4.02	45	757691	7.521	ppbv	#	46
20) Methylene Chloride	4.41	84	384126	7.861	ppbv		99
21) Allyl Chloride	4.48	41	772168	9.041	ppbv		98
22) trans-1,2-Dichloroethene	4.96	96	458071	9.159	ppbv		97
23) Vinyl Acetate	5.16	43	1974428	8.557	ppbv		99
24) 1,1-Dichloroethane	5.09	63	1348268	8.564	ppbv		99
25) Ethyl Acetate	5.77	43	2645433	9.025	ppbv		100
26) Hexane	5.78	57	1246288	9.088	ppbv		97
27) Carbon Disulfide	4.62	76	1144444	9.694	ppbv		97
28) Methyl tert-Butyl Ether	5.11	73	1638257	8.211	ppbv		99
29) Chloroform	5.85	83	1892665	9.122	ppbv		98
30) Cyclohexane	7.25	84	1094829	8.316	ppbv		98
31) cis-1,2-Dichloroethene	5.64	61	1110248	8.495	ppbv		100
32) 1,1,1-Trichloroethane	6.62	97	1835530	8.975	ppbv	#	83
34) 2-Butanone	5.33	43	1557188	8.213	ppbv		100
35) Carbon Tetrachloride	7.14	117	1797722	9.312	ppbv		100
36) Benzene	7.01	78	2656451	8.717	ppbv		99
37) 1,2-Dichloroethane	6.42	62	1457694	9.365	ppbv		99
38) Trichloroethene	7.96	130	951939	8.601	ppbv		95
39) 1,2-Dichloropropane	7.74	63	1060735	9.075	ppbv		99
40) 1,4-Dioxane	7.96	88	353649	7.756	ppbv	#	1
41) Tetrahydrofuran	6.15	42	1146378	9.732	ppbv		99
42) Bromodichloromethane	7.92	83	2115494	9.288	ppbv		97
43) Methyl Methacrylate	8.14	69	1124119	9.273	ppbv		98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020419\

Quantitation Report (Not Reviewed)

Data File : VL033167.D
Acq On : 5 Feb 2019 4:33
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 05 05:39:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Feb 04 14:41:39 2019
QLast Update : Mon Feb 04 14:41:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4516001	8.831	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1442080	9.639	ppbv		97
46) cis-1,3-Dichloropropene	8.84	75	1664903	9.252	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	1071927	8.542	ppbv		96
48) Dibromochloromethane	10.45	129	1701052	9.108	ppbv		100
49) Bromoform	13.21	173	1323689	8.587	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2769620	8.070	ppbv		100
51) 2-Hexanone	10.27	43	2194229	7.623	ppbv		100
52) Tetrachloroethene	11.38	164	882733	8.334	ppbv		98
53) Toluene	9.95	91	3143919	8.686	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1652930	8.699	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1154188	7.146	ppbv	#	54
57) Chlorobenzene	12.31	112	2165302	6.952	ppbv		98
58) Ethyl Benzene	12.87	91	4145093	7.052	ppbv		99
59) m/p-Xylene	13.13	91	3506583	7.285	ppbv	#	30
60) o-Xylene	13.86	91	3122813	7.031	ppbv		96
61) Styrene	13.69	104	2522326	7.097	ppbv		98
62) Isopropylbenzene	14.83	105	4431764	6.990	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.84	83	2046637	6.423	ppbv		100
64) n-propylbenzene	15.73	120	1123047	6.788	ppbv		93
65) tert-Butylbenzene	16.91	119	3638732	6.398	ppbv		97
66) Benzyl Chloride	17.16	91	1701293	6.587	ppbv		97
67) sec-Butylbenzene	17.46	105	5232494	6.436	ppbv		100
69) p-Isopropyltoluene	17.82	119	4188318	6.234	ppbv		99
70) n-Butylbenzene	18.72	91	4470673	6.116	ppbv		99
71) 2-Chlorotoluene	15.62	91	3396307	6.757	ppbv		97
72) 4-Ethyltoluene	16.01	105	3585710	6.754	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3380483	6.605	ppbv		93
74) 1,2,4-Trimethylbenzene	16.93	105	3295115	6.312	ppbv		98
75) 1,3-Dichlorobenzene	17.17	146	1818211	6.309	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1840970	6.359	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	1743972	6.084	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1339756	9.395	ppbv		100
79) Naphthalene	22.42	128	3770114	6.167	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1538831	4.938	ppbv		99
81) 1,2,4-Trichlorobenzene	22.15	180	1663912	6.006	ppbv		99

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

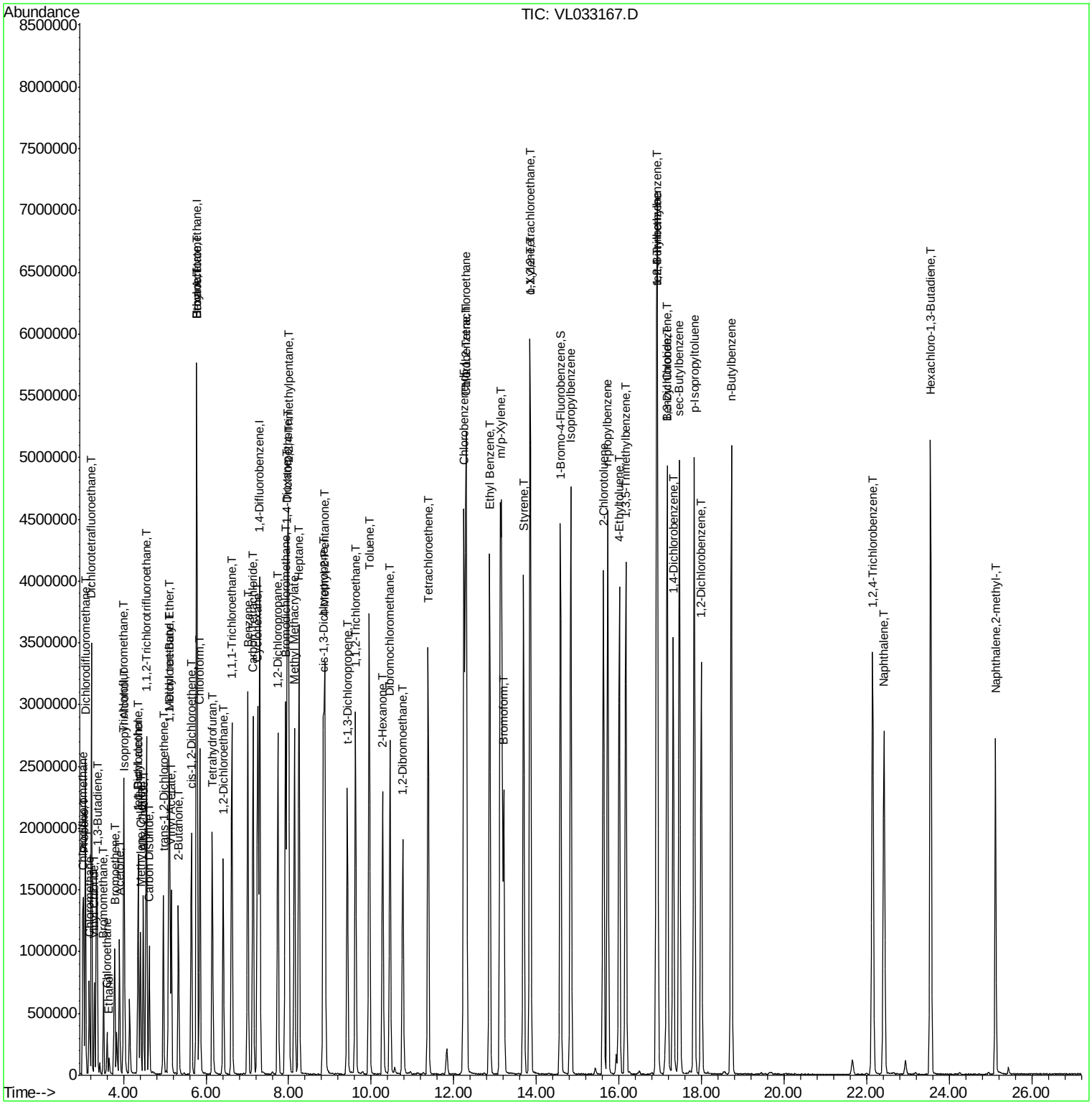
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020419\

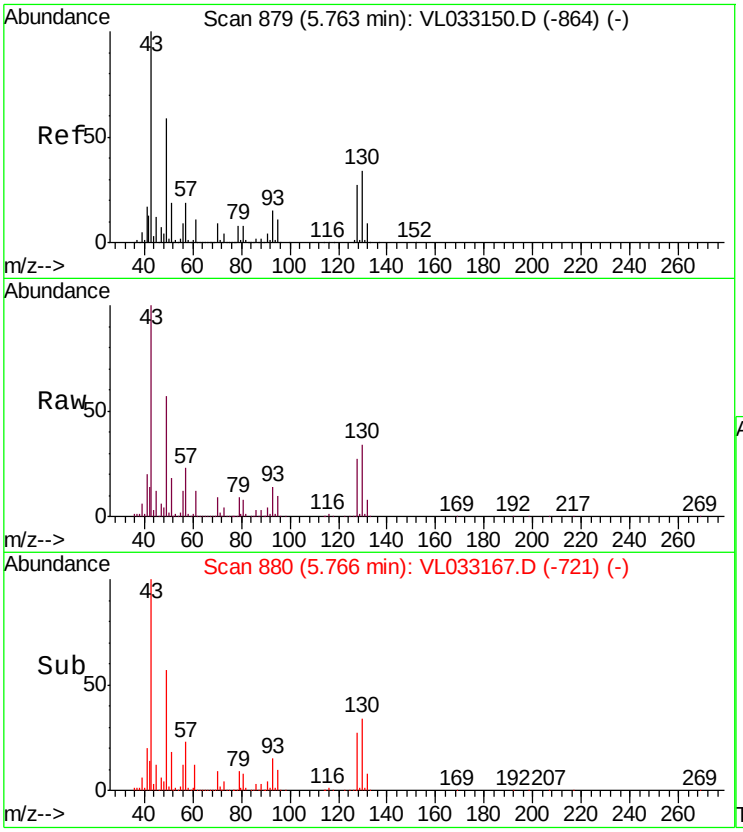
Quantitation Report (Not Reviewed)

Data File : VL033167.D
Acq On : 5 Feb 2019 4:33
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Quant Time: Feb 05 05:39:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Feb 04 14:41:39 2019
QLast Update : Mon Feb 04 14:41:39 2019
Response via : Initial Calibration



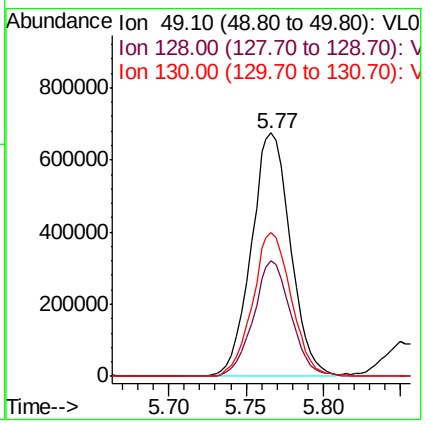


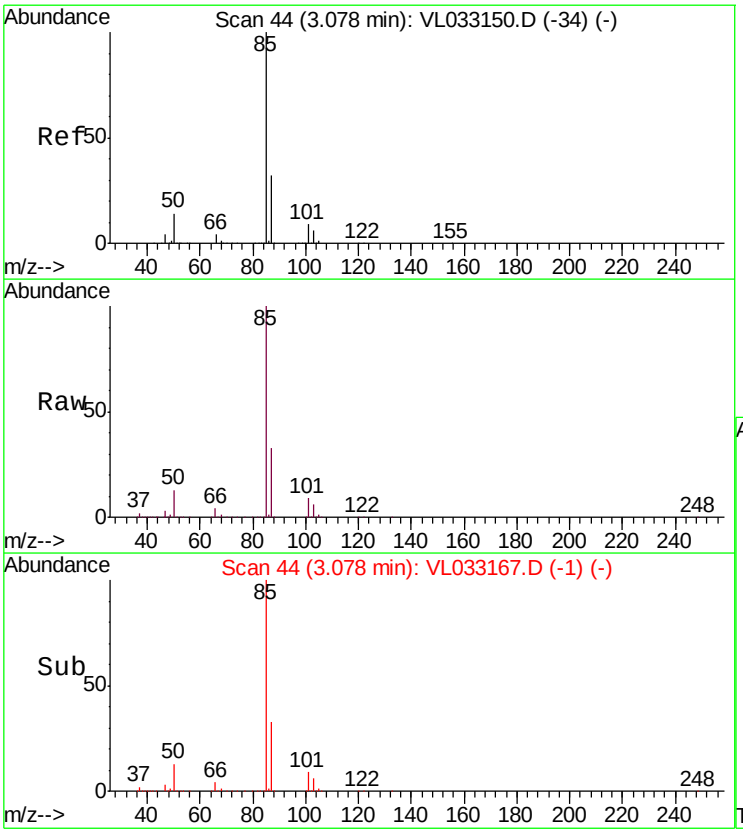
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1191332

Ion	Ratio	Lower	Upper
49	100		
128	45.6	23.2	69.5
130	58.9	29.5	88.6

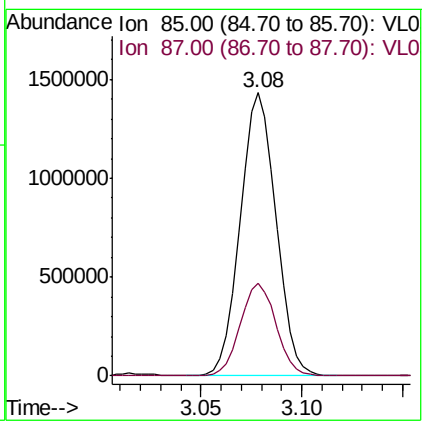


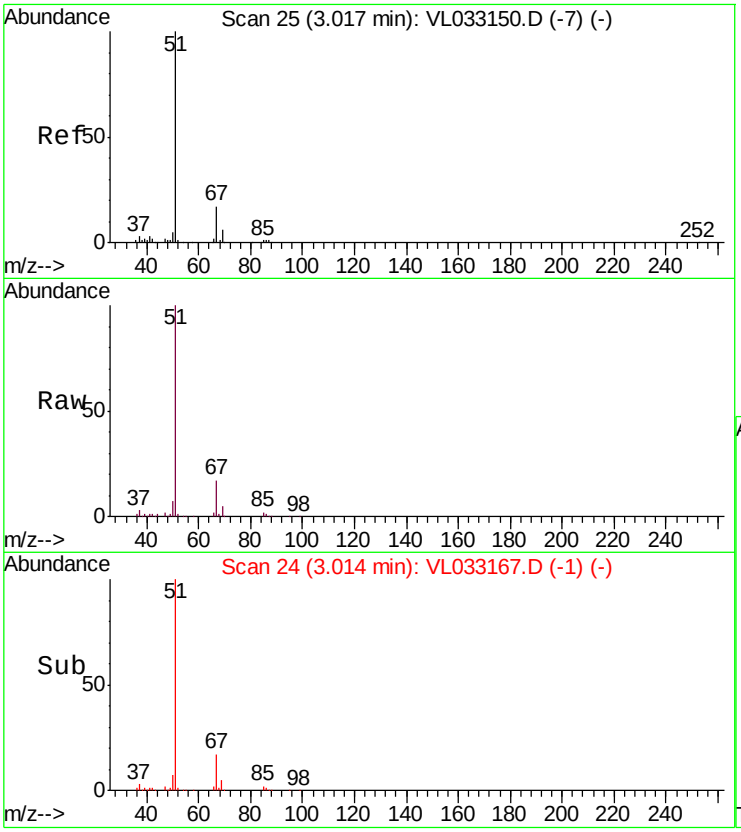


#2
Dichlorodifluoromethane
Concen: 10.156 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 85 Resp: 1781575

Ion	Ratio	Lower	Upper
85	100		
87	32.9	27.4	41.0



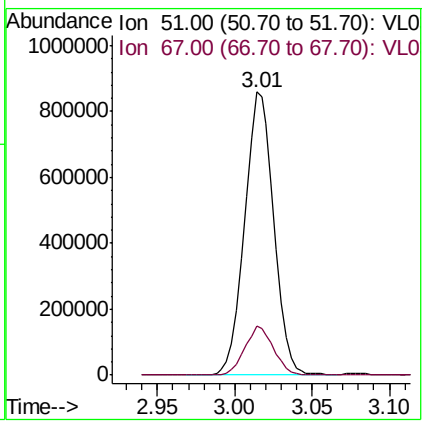


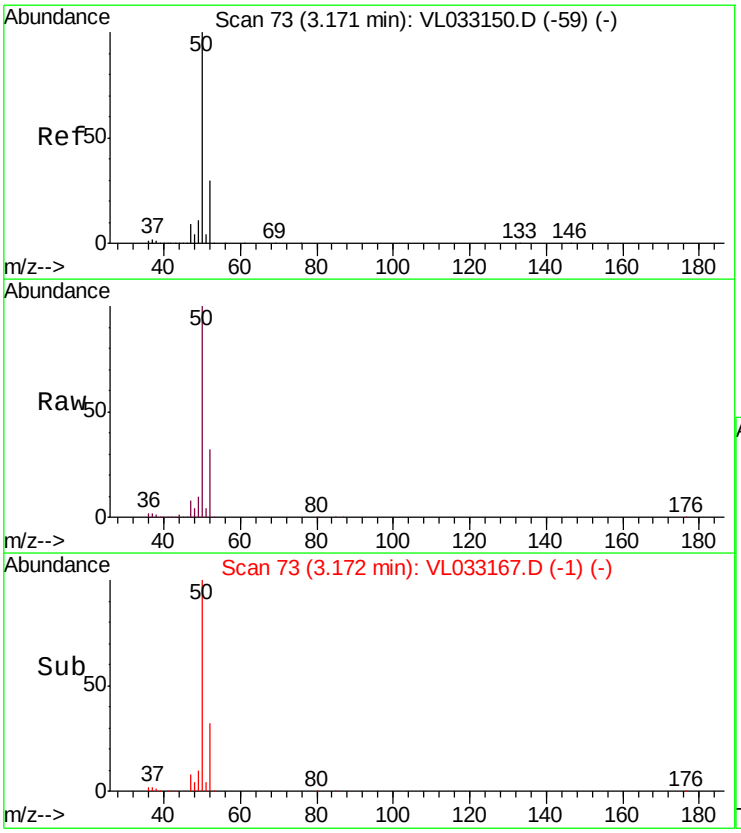
#3
Chlorodifluoromethane
Concen: 8.506 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 51 Resp: 1128652

Ion	Ratio	Lower	Upper
51	100		
67	17.3	13.4	20.2

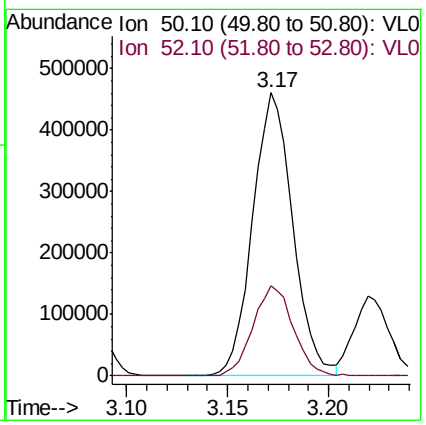


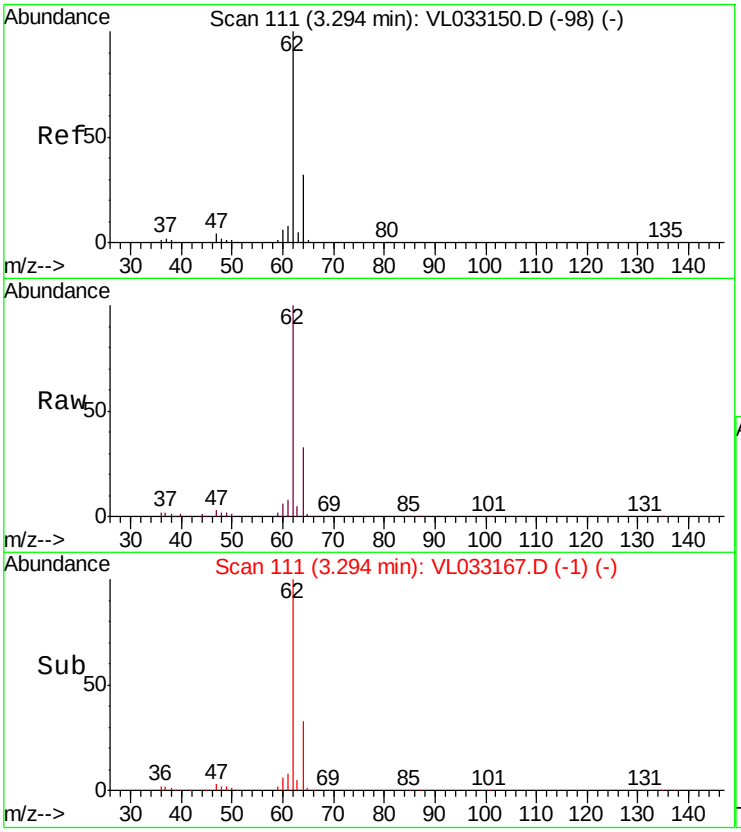


#4
Chloromethane
Concen: 8.555 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 50 Resp: 638782

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.7	38.5



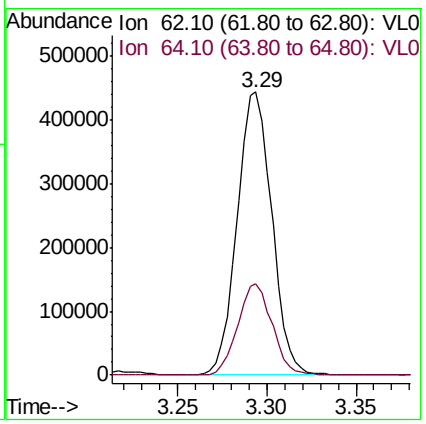


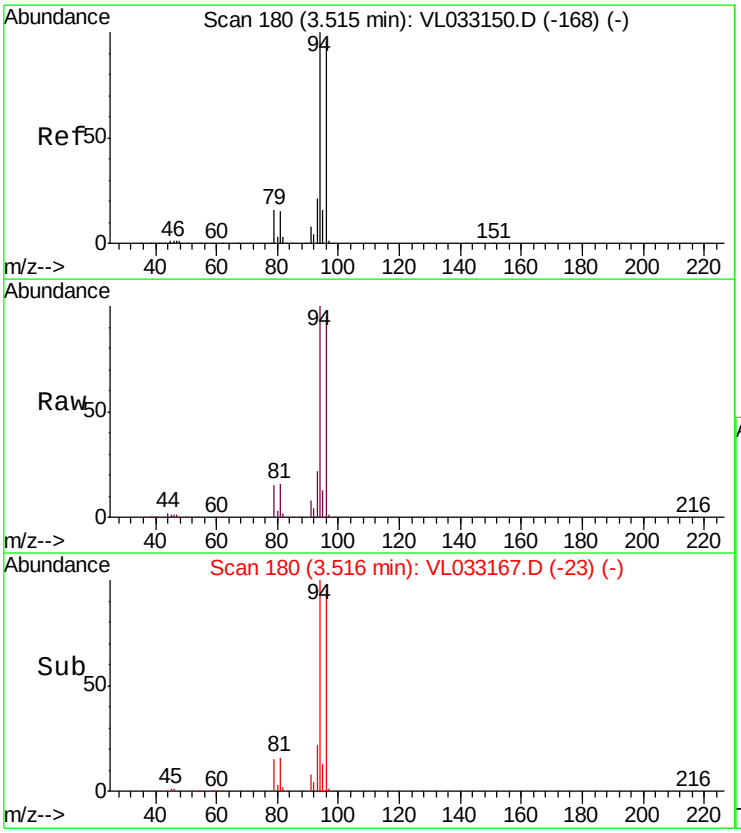
#5
Vinyl Chloride
Concen: 8.155 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 600966

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.3	39.5

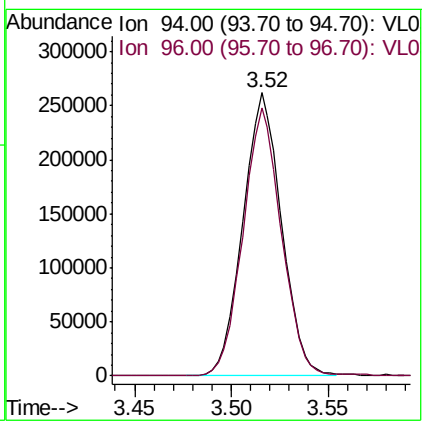


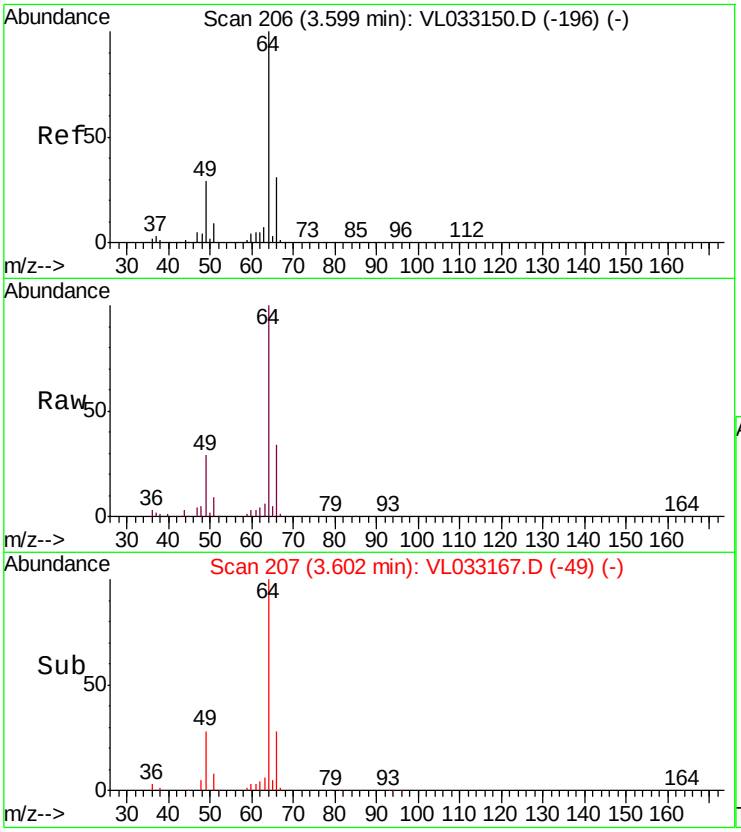


#6
Bromomethane
Concen: 8.748 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 94 Resp: 363255

Ion	Ratio	Lower	Upper
94	100		
96	94.5	74.0	111.0



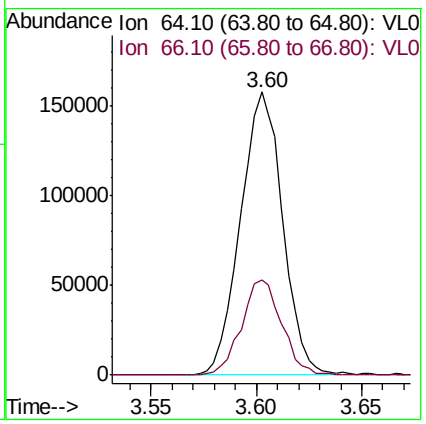


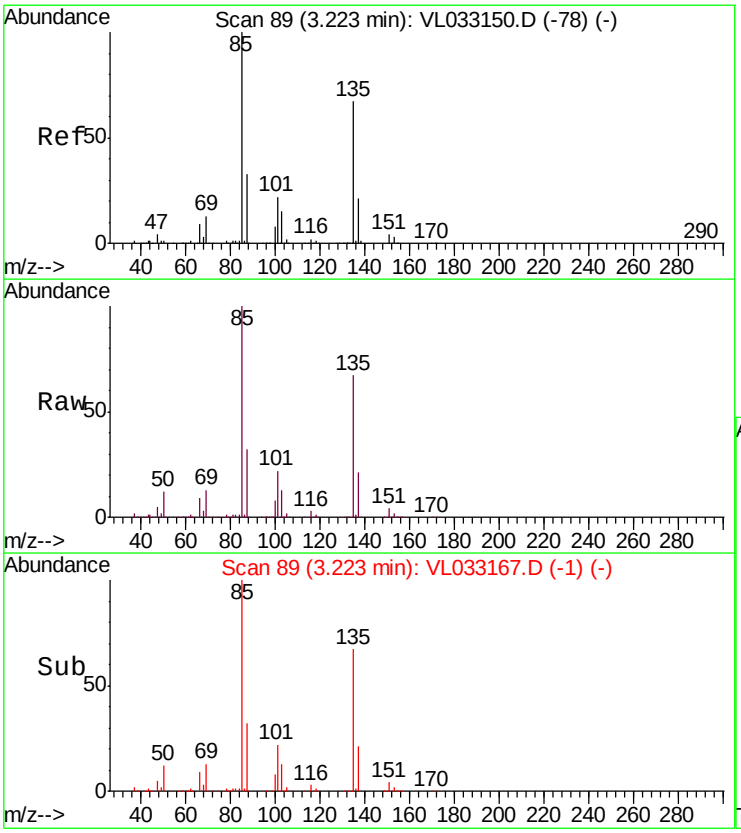
#7
Chloroethane
Concen: 8.757 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 64 Resp: 219419

Ion	Ratio	Lower	Upper
64	100		
66	33.8	22.3	33.5#

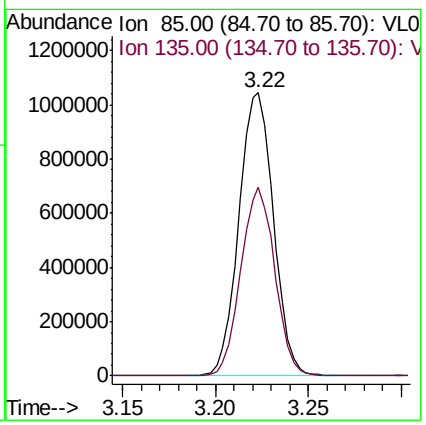


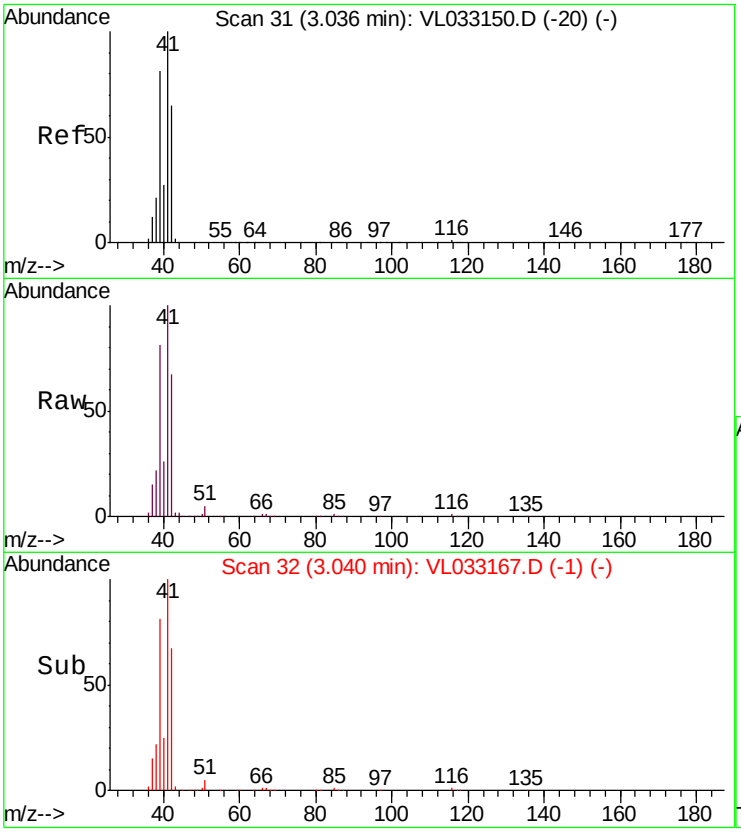


#8
Dichlorotetrafluoroethane
Concen: 8.416 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 85 Resp: 1353270

Ion	Ratio	Lower	Upper
85	100		
135	65.8	54.0	81.0



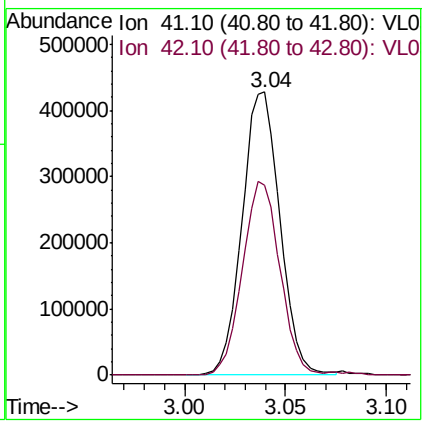


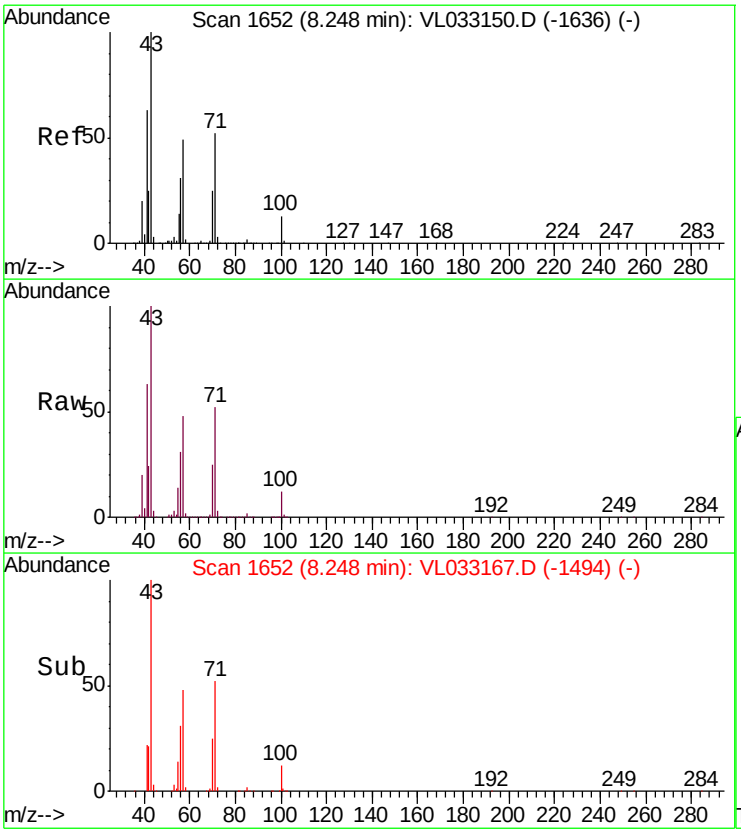
#9
Propene
Concen: 8.473 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 564844

Ion	Ratio	Lower	Upper
41	100		
42	68.9	55.1	82.7

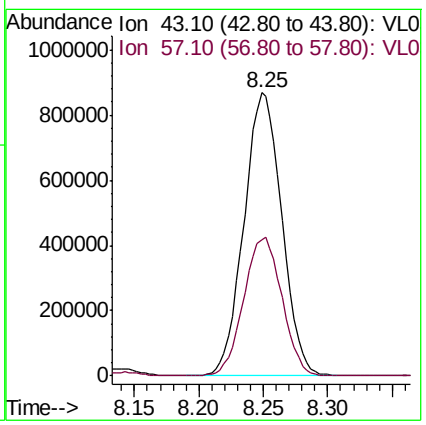


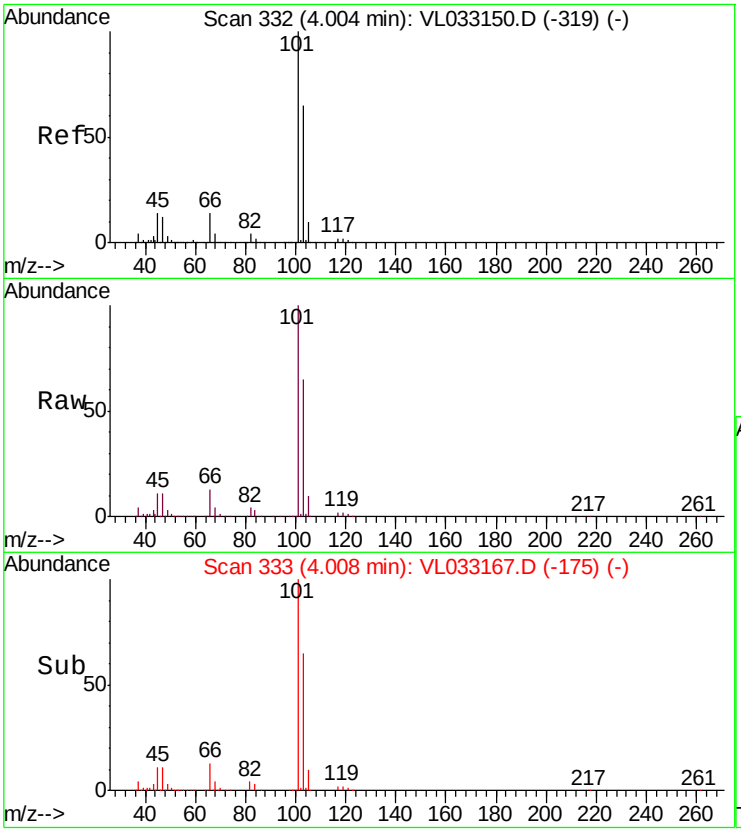


#10
Heptane
Concen: 8.525 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 43 Resp: 1770538

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.3	58.9



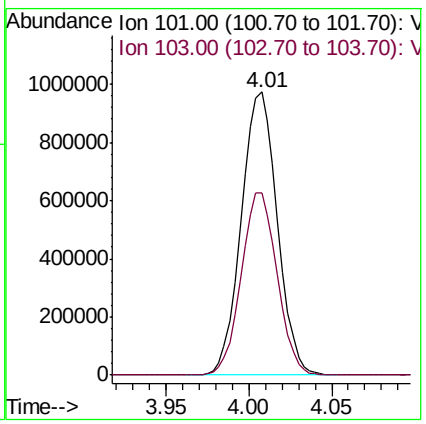


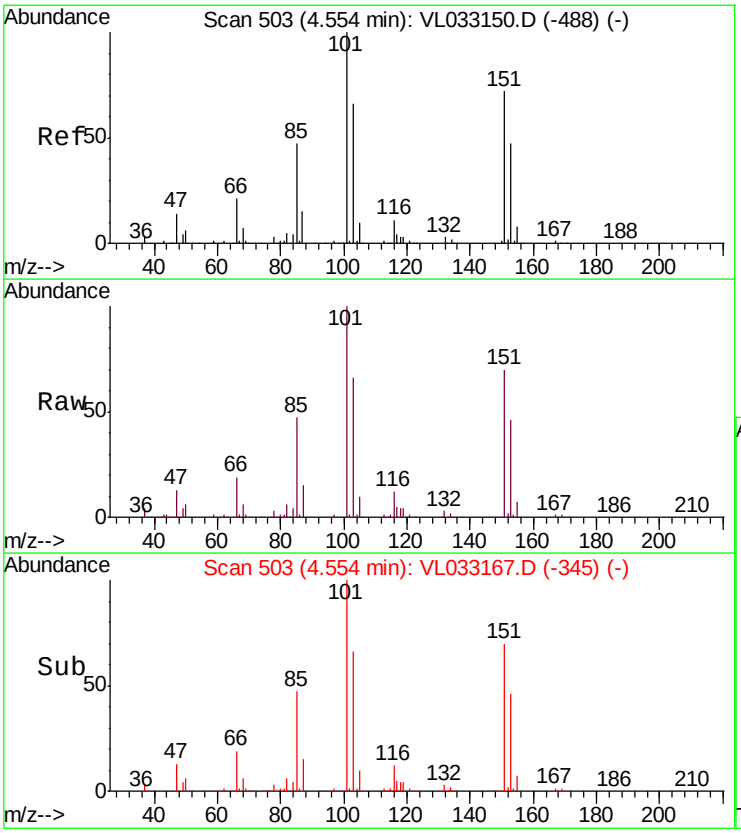
#11
Trichlorofluoromethane
Concen: 8.654 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:101 Resp: 1466968

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.3	76.9

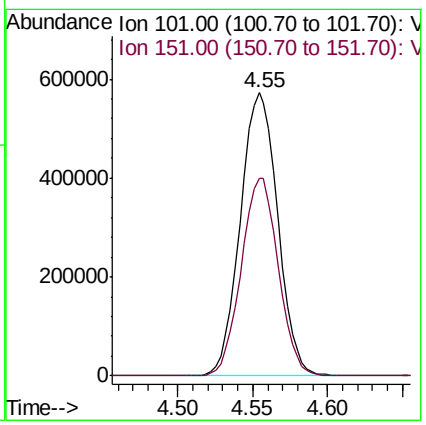


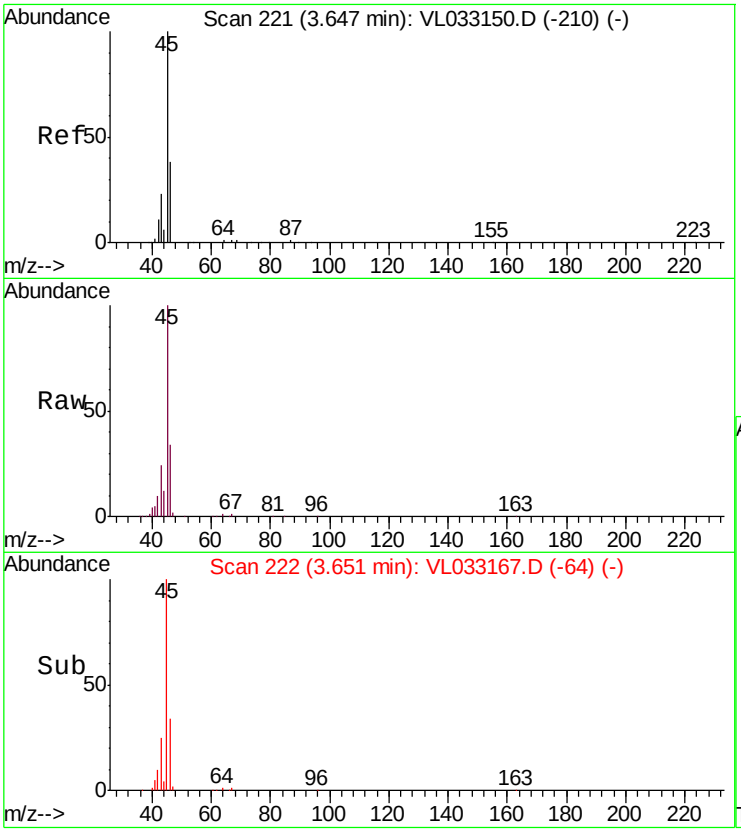


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.052 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:101 Resp: 996192

Ion	Ratio	Lower	Upper
101	100		
151	69.2	57.9	86.9



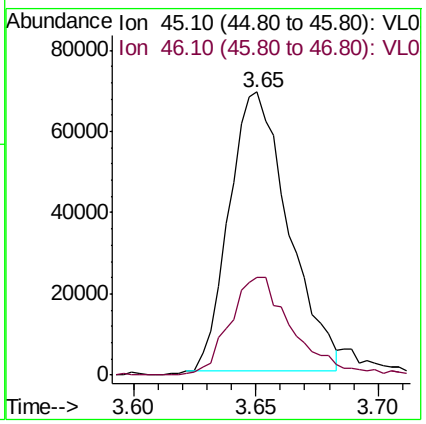


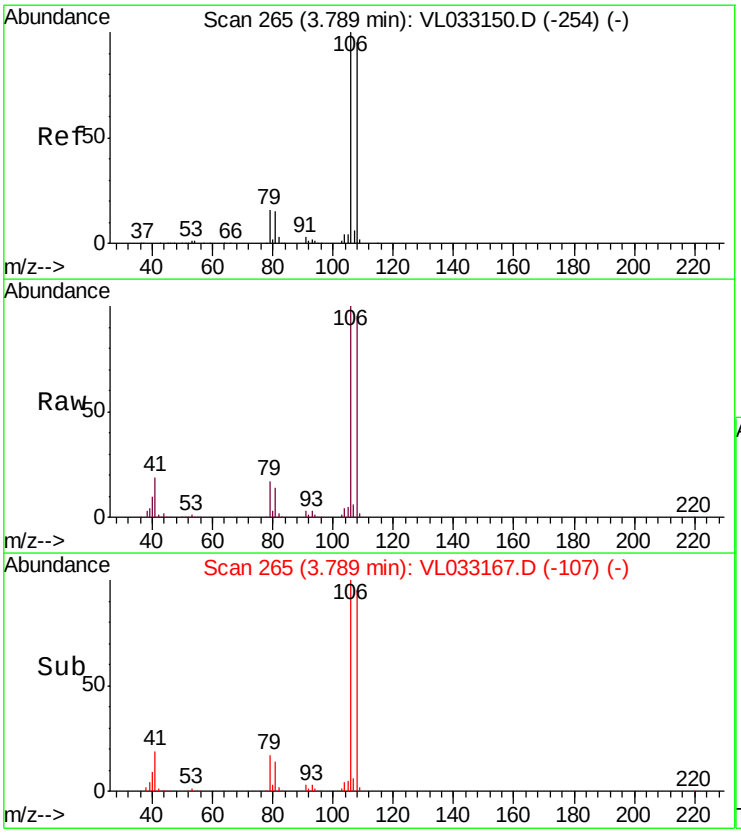
#13
Ethanol
Concen: 4.436 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 116584

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.0	56.2

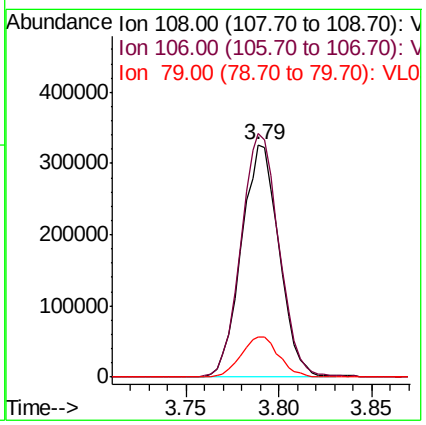


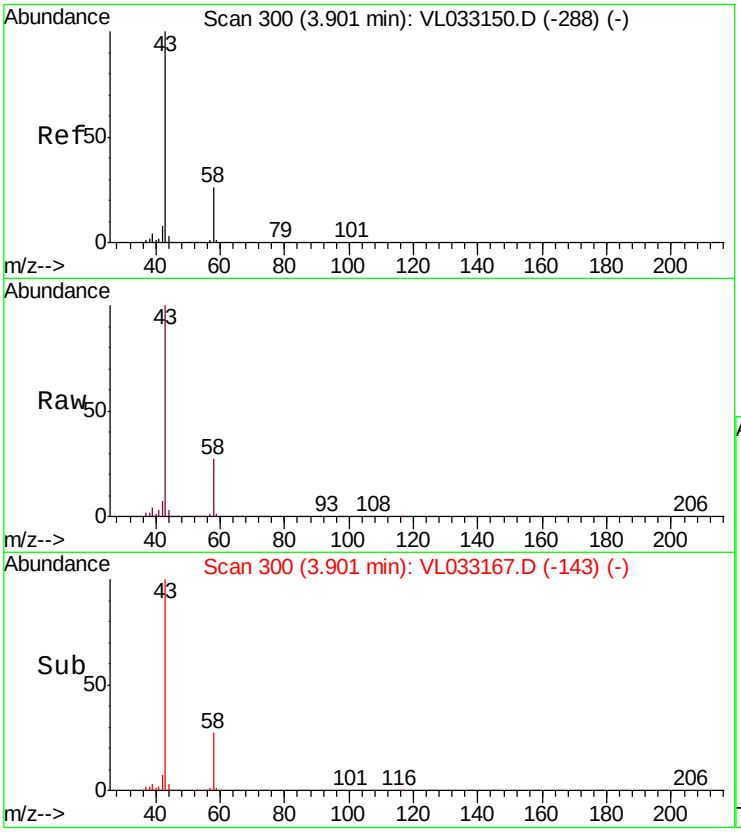


#14
Bromoethene
Concen: 9.061 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:108 Resp: 459651

Ion	Ratio	Lower	Upper
108	100		
106	106.1	85.6	128.4
79	17.6	14.2	21.4



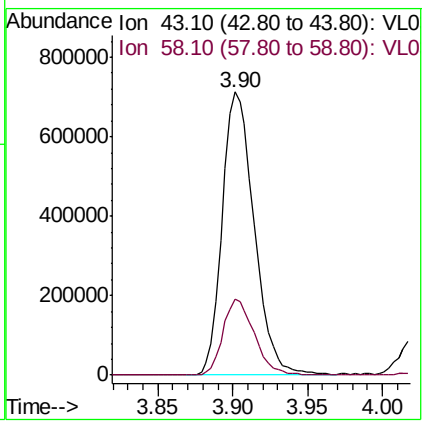


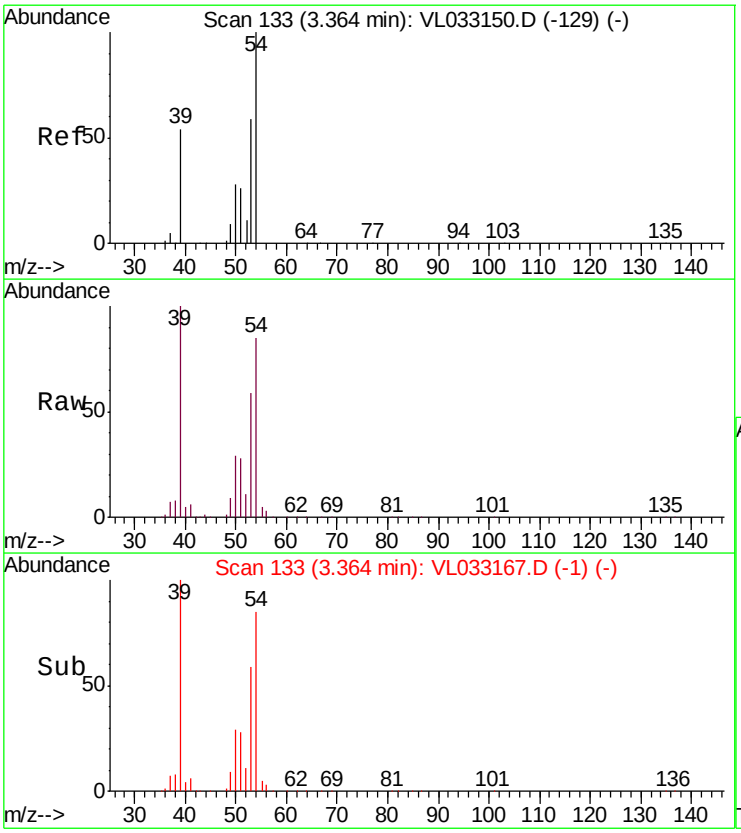
#15
Acetone
Concen: 7.457 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1057680

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.8	32.6

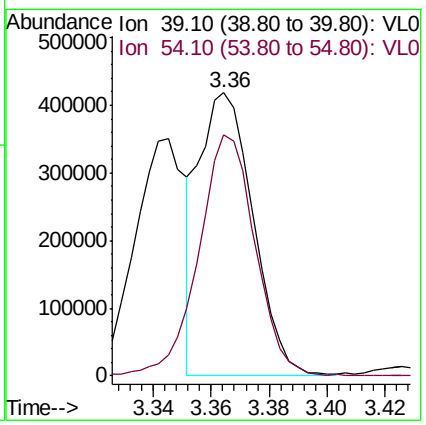


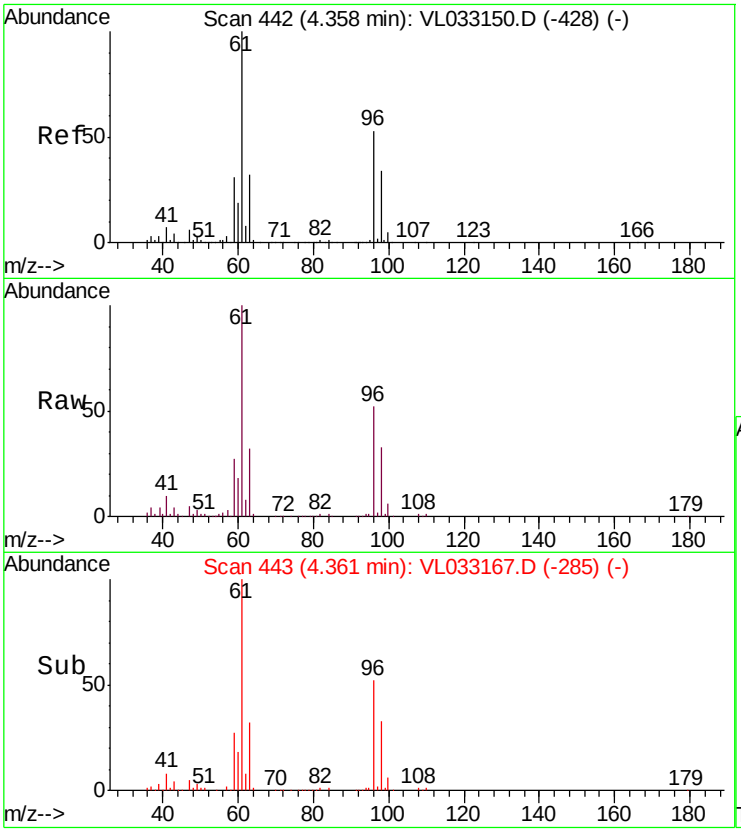


#16
1,3-Butadiene
Concen: 9.366 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 39 Resp: 539292

Ion	Ratio	Lower	Upper
39	100		
54	90.2	75.0	112.6



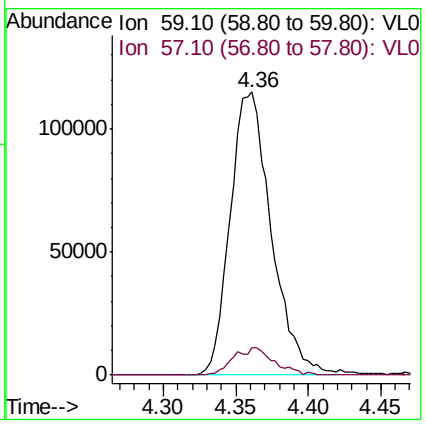


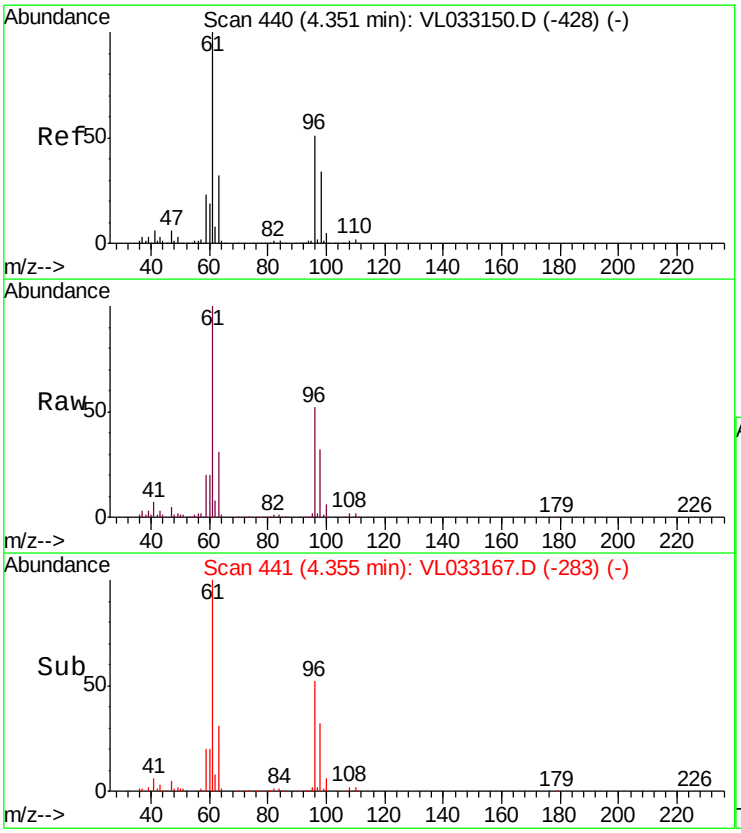
#17
tert-Butyl alcohol
Concen: 7.236 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 226673

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.0	12.0

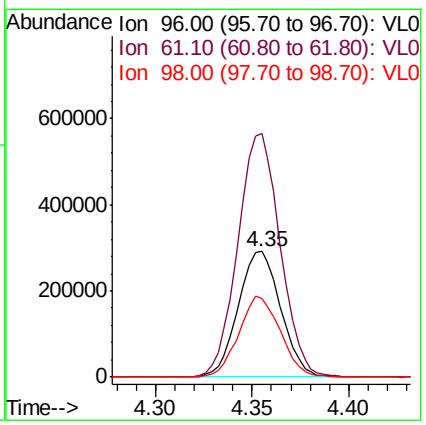


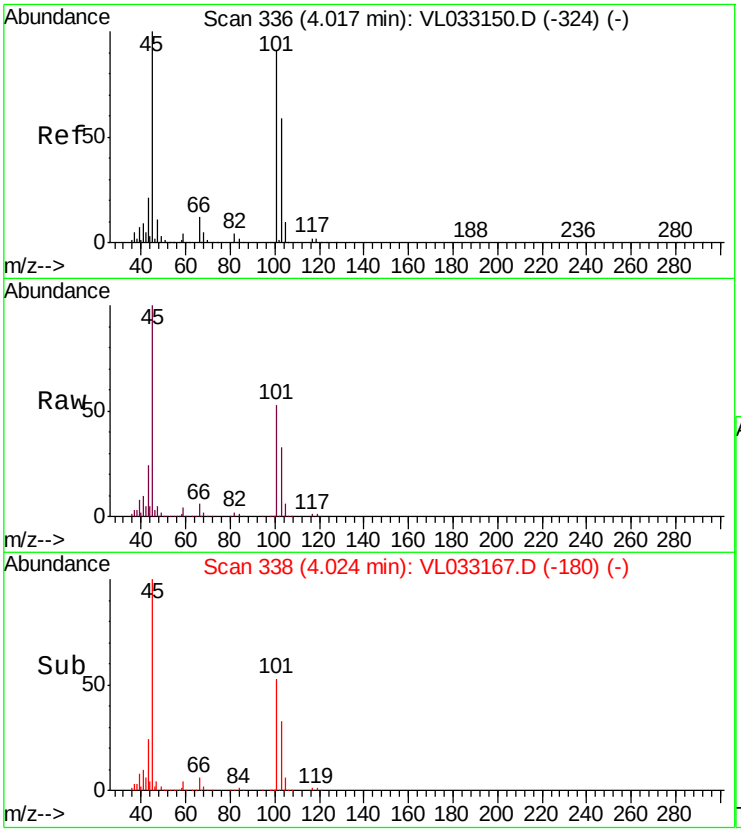


#18
1,1-Dichloroethene
Concen: 8.847 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 96 Resp: 448033

Ion	Ratio	Lower	Upper
96	100		
61	193.4	158.5	237.7
98	62.3	47.8	71.6



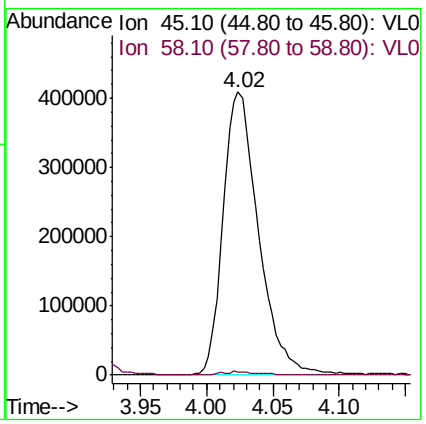


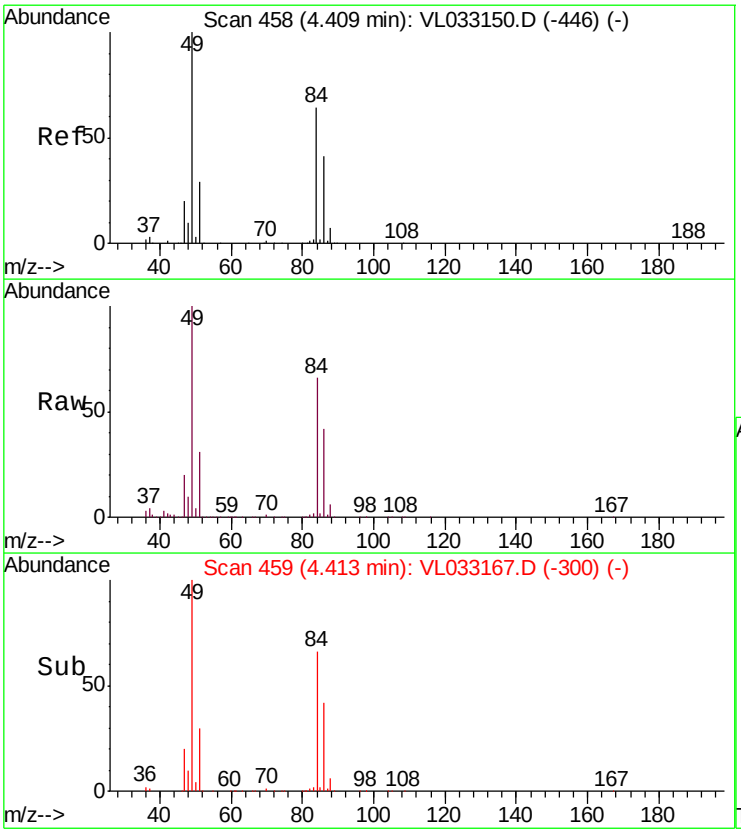
#19
Isopropyl Alcohol
Concen: 7.521 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 757691

Ion	Ratio	Lower	Upper
45	100		
58	1.5	25.1	37.7#

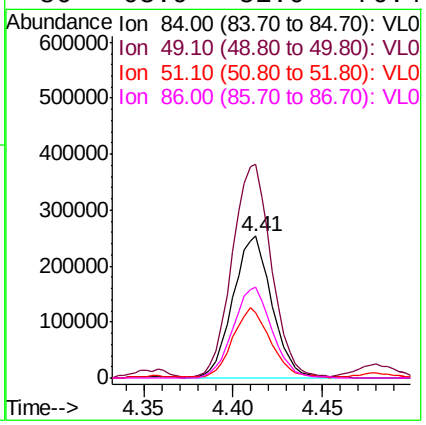


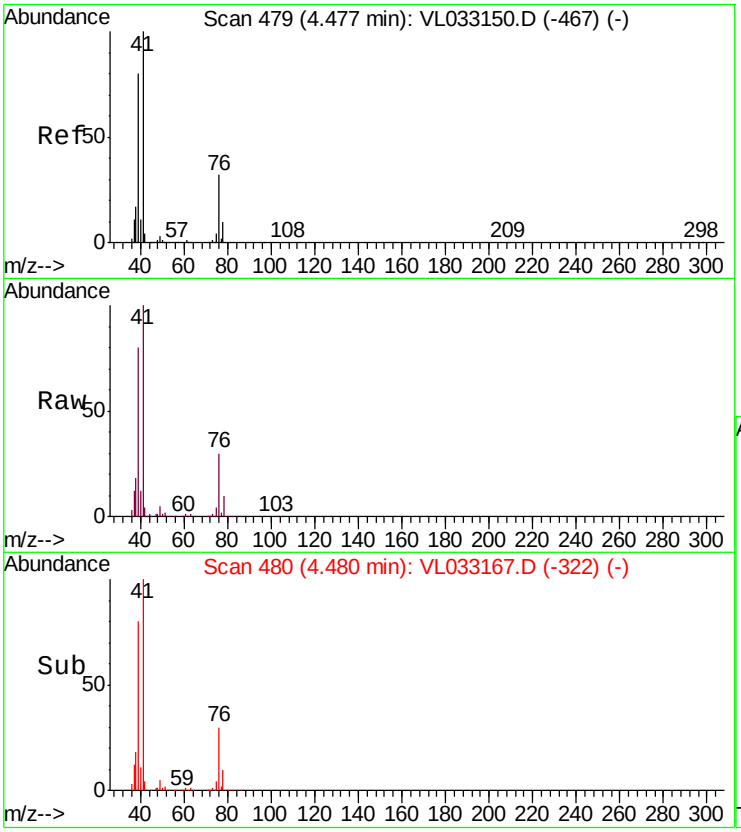


#20
Methylene Chloride
Concen: 7.861 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 84 Resp: 384126

Ion	Ratio	Lower	Upper
84	100		
49	149.8	121.1	181.7
51	45.5	37.5	56.3
86	63.9	51.0	76.4



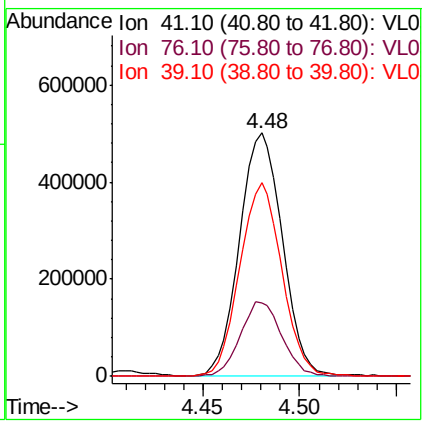


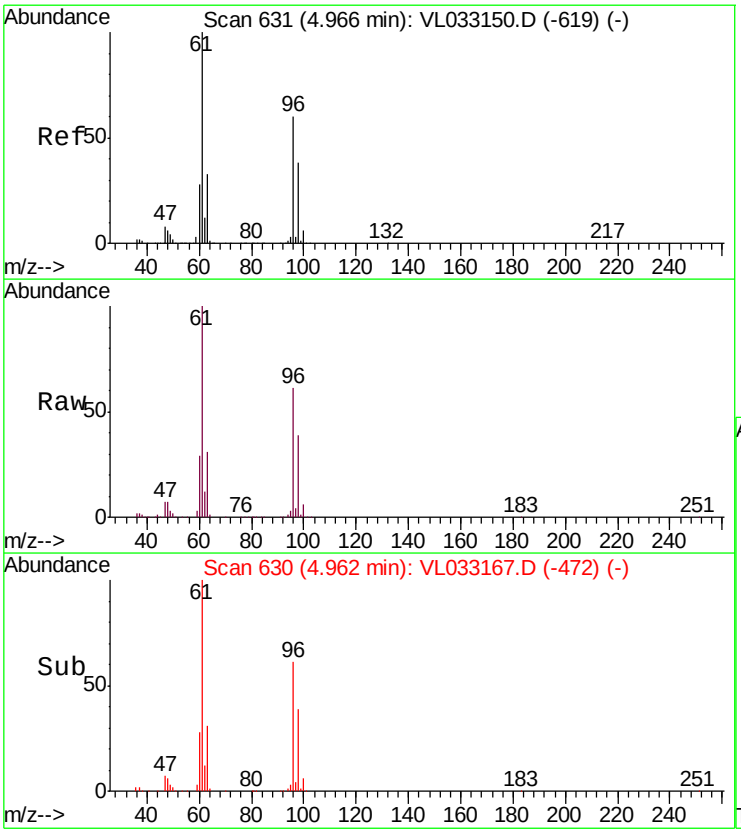
#21
Allyl Chloride
Concen: 9.041 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 41 Resp: 772168

Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.2	34.8
39	78.5	61.8	92.6

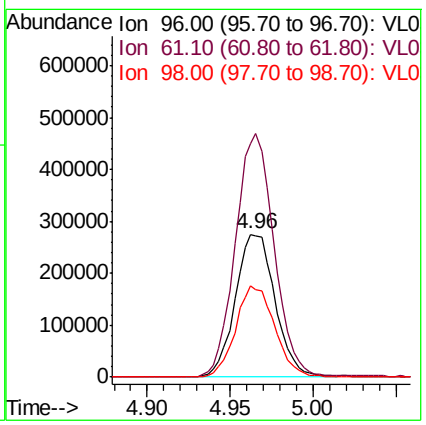


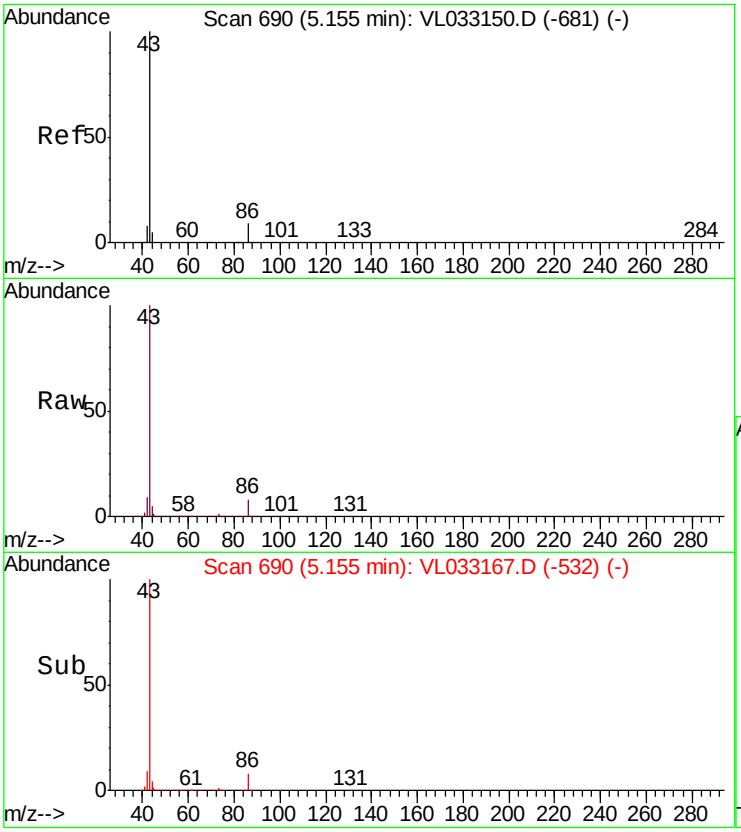


#22
trans-1,2-Dichloroethene
Concen: 9.159 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 96 Resp: 458071

Ion	Ratio	Lower	Upper
96	100		
61	163.7	134.5	201.7
98	64.3	50.2	75.2



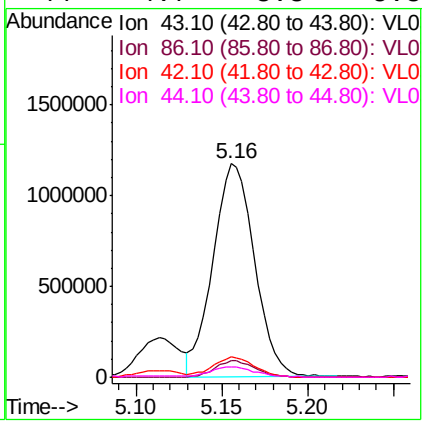


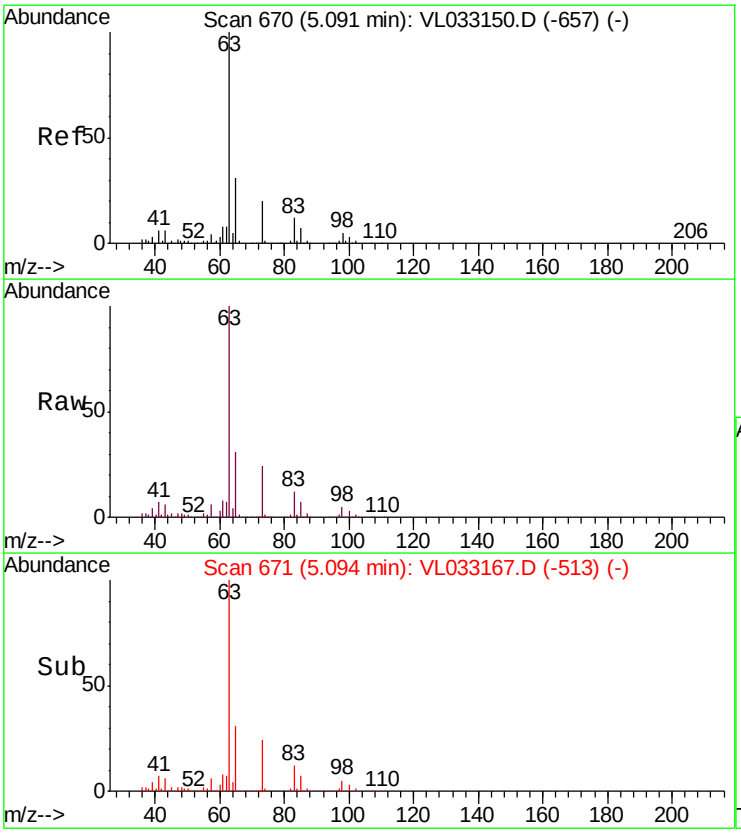
#23
Vinyl Acetate
Concen: 8.557 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 1974428

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.2	9.4
42	9.3	7.7	11.5
44	4.7	3.8	5.8

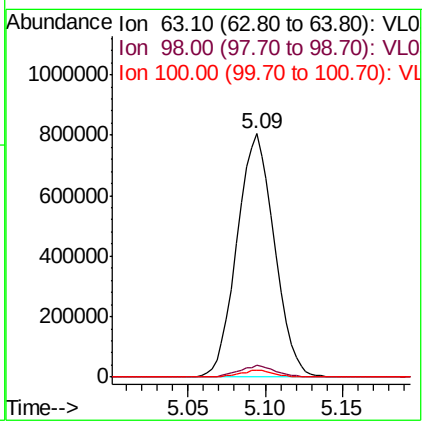


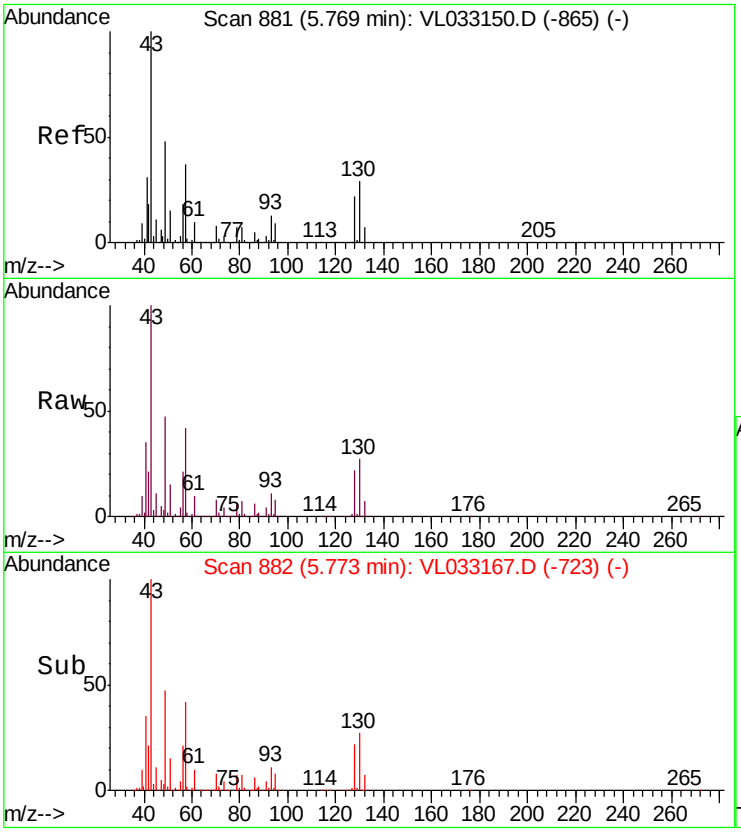


#24
1,1-Dichloroethane
Concen: 8.564 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 63 Resp: 1348268

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.9
100	2.7	1.3	3.9



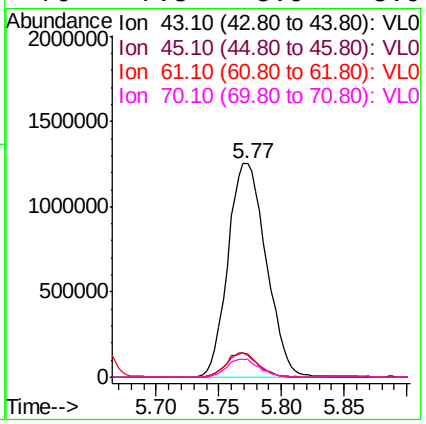


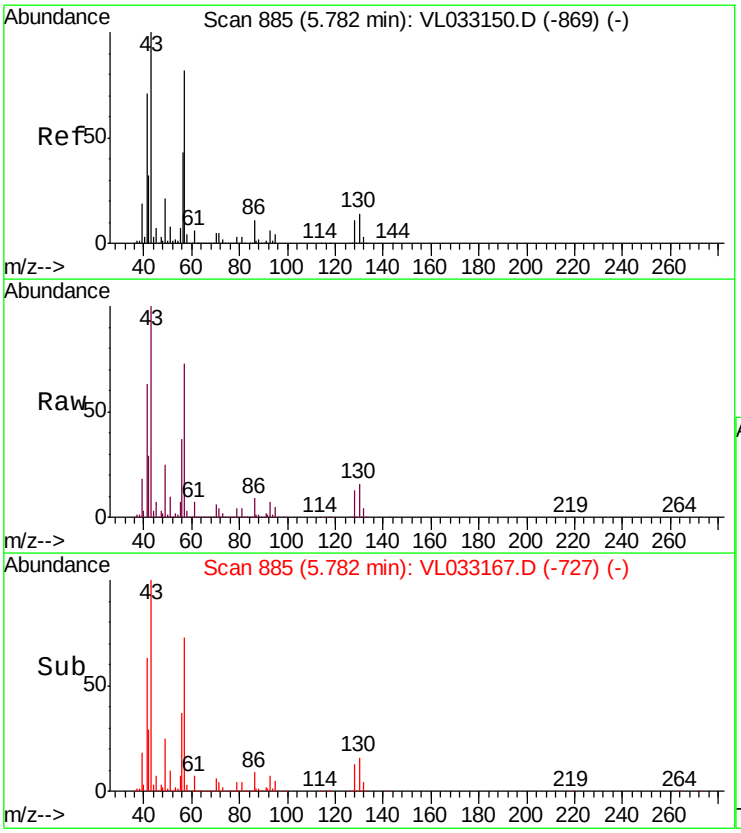
#25
Ethyl Acetate
Concen: 9.025 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2645433

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.3	7.4	11.2
70	7.3	5.9	8.9

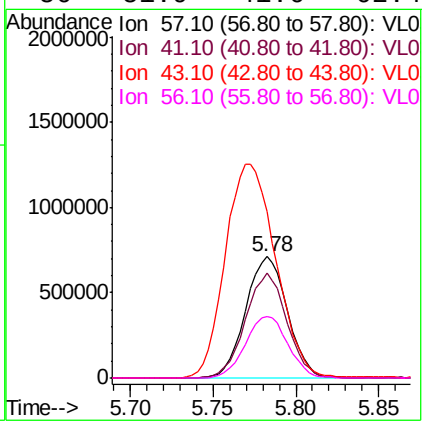


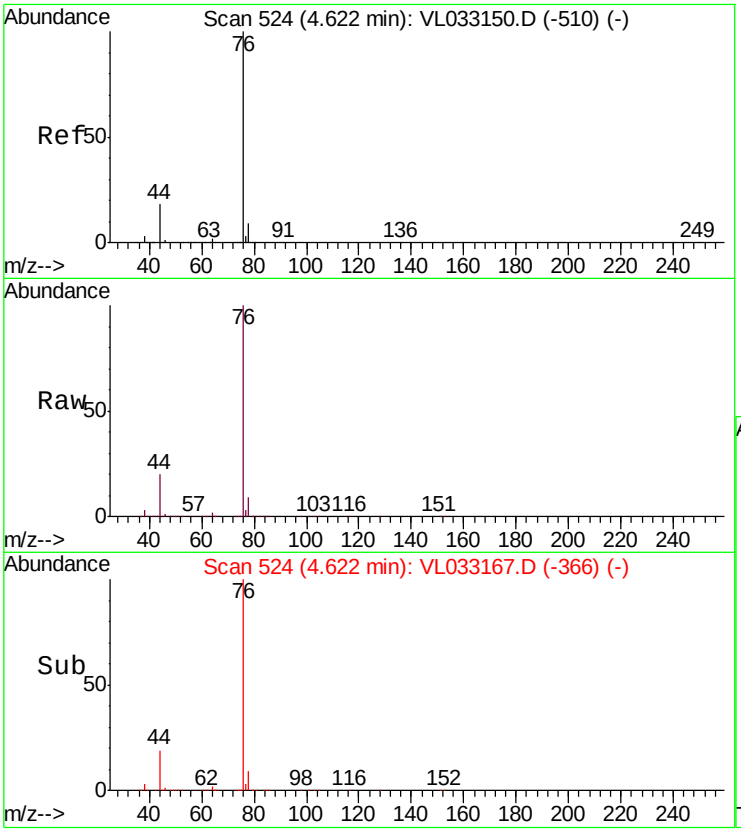


#26
Hexane
Concen: 9.088 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 57 Resp: 1246288

Ion	Ratio	Lower	Upper
57	100		
41	85.9	69.5	104.3
43	213.4	175.5	263.3
56	51.9	41.6	62.4



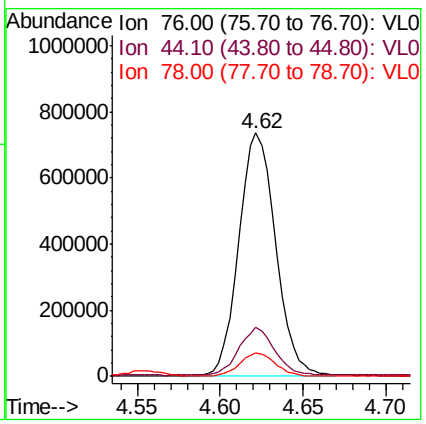


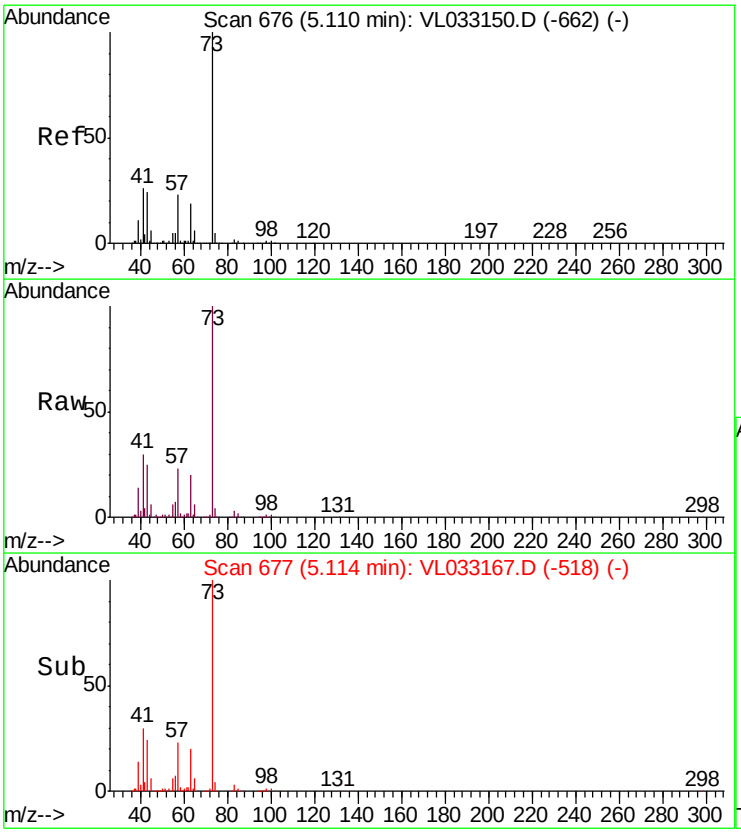
#27
Carbon Disulfide
Concen: 9.694 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 76 Resp: 1144444

Ion	Ratio	Lower	Upper
76	100		
44	19.2	17.1	25.7
78	9.2	7.2	10.8

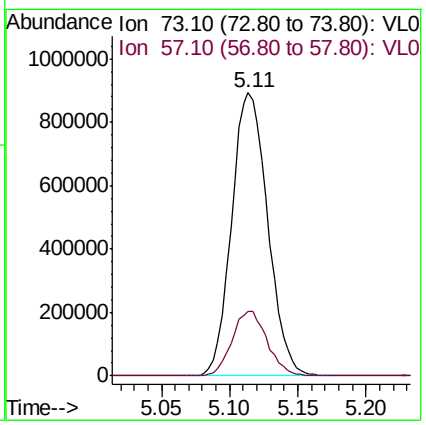


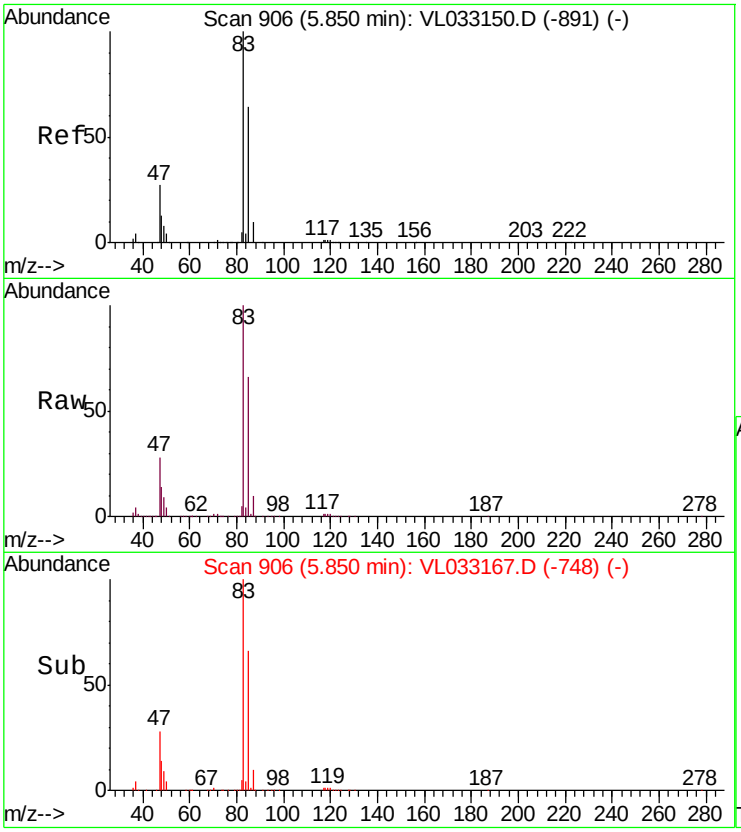


#28
Methyl tert-Butyl Ether
Concen: 8.211 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 73 Resp: 1638257

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.3	27.5



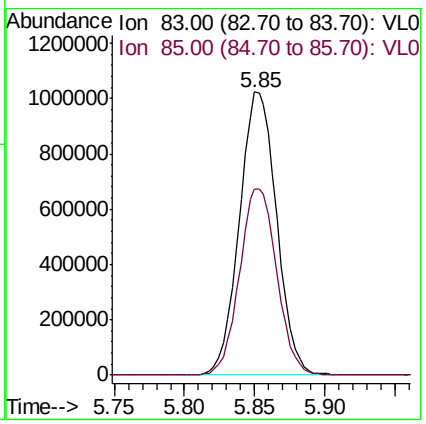


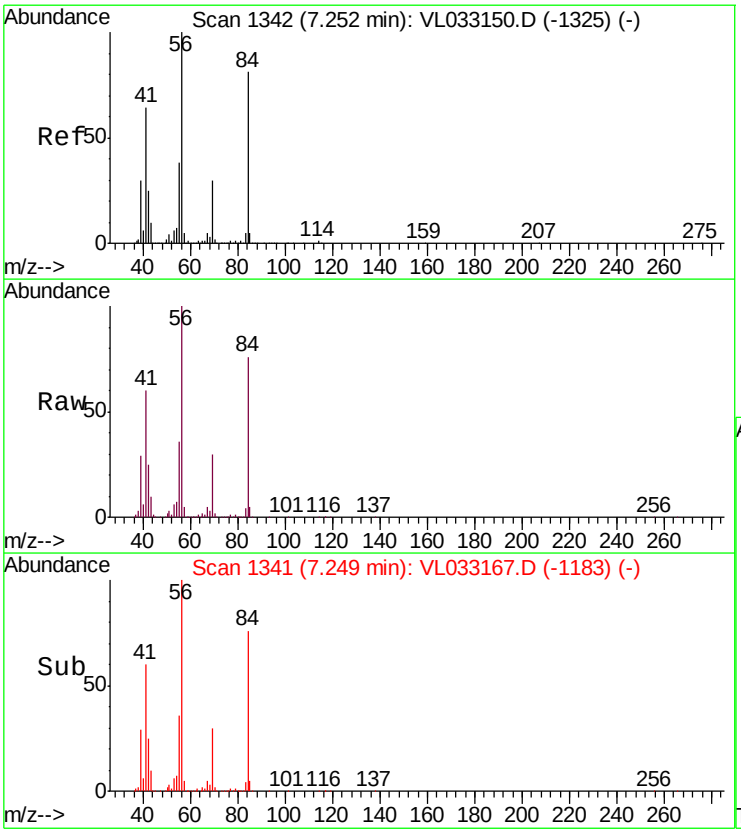
#29
Chloroform
Concen: 9.122 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 1892665

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.6	77.4

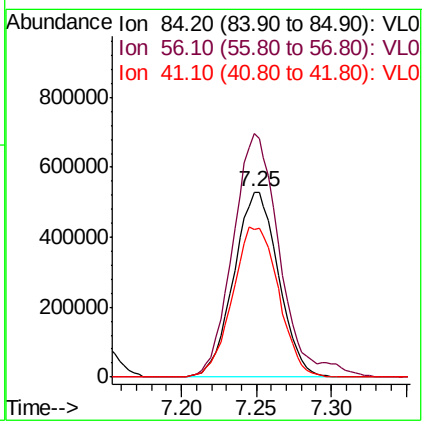


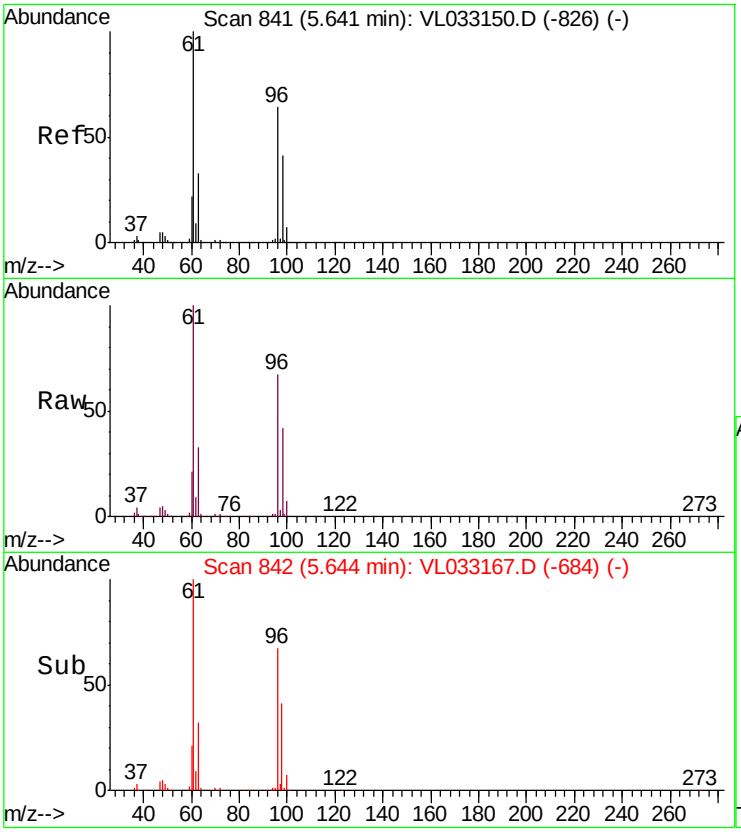


#30
Cyclohexane
Concen: 8.316 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 84 Resp: 1094829

Ion	Ratio	Lower	Upper
84	100		
56	138.9	109.0	163.4
41	83.7	65.3	97.9



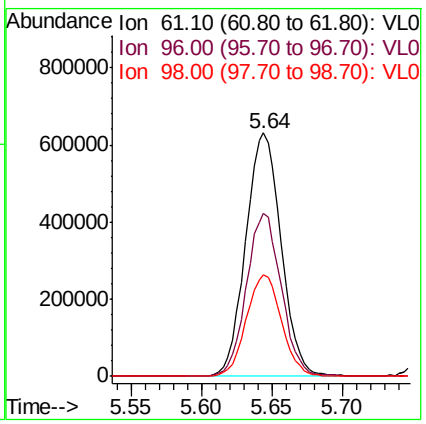


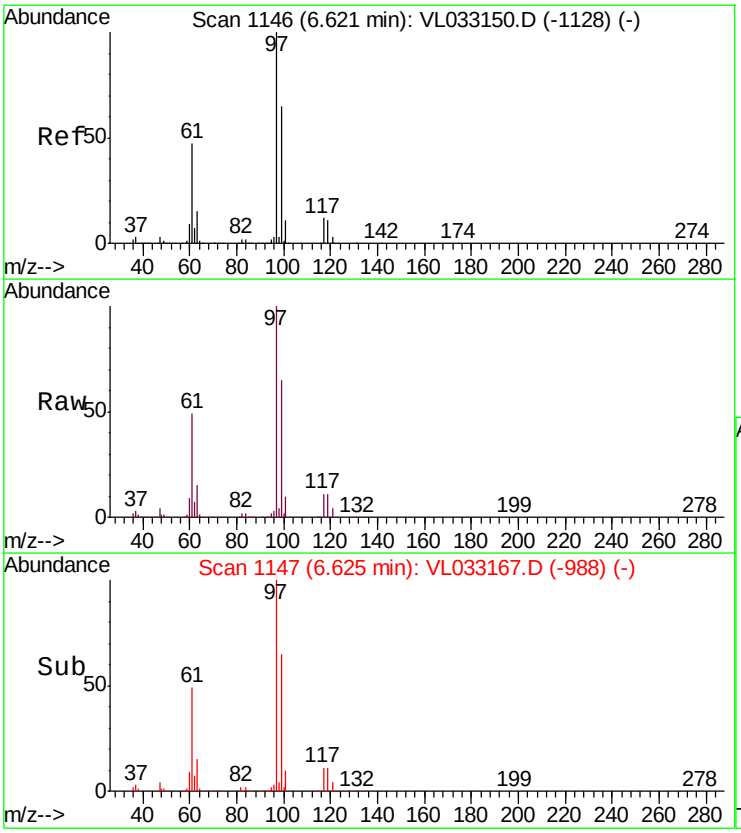
#31
cis-1,2-Dichloroethene
Concen: 8.495 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 61 Resp: 1110248

Ion	Ratio	Lower	Upper
61	100		
96	66.7	53.3	79.9
98	41.6	33.7	50.5

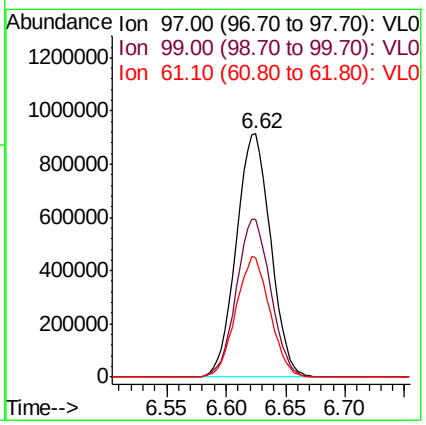


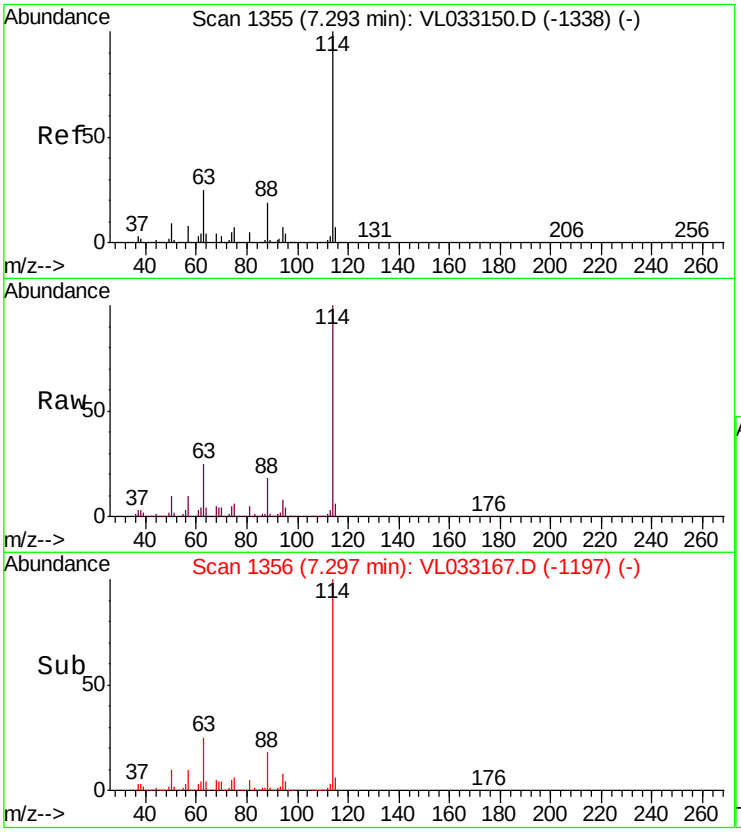


#32
1,1,1-Trichloroethane
Concen: 8.975 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 97 Resp: 1835530

Ion	Ratio	Lower	Upper
97	100		
99	64.7	65.1	97.7#
61	48.9	47.7	71.5



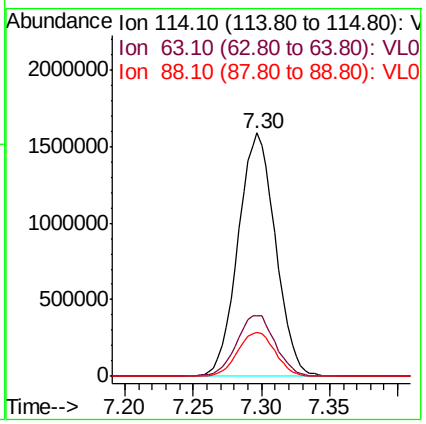


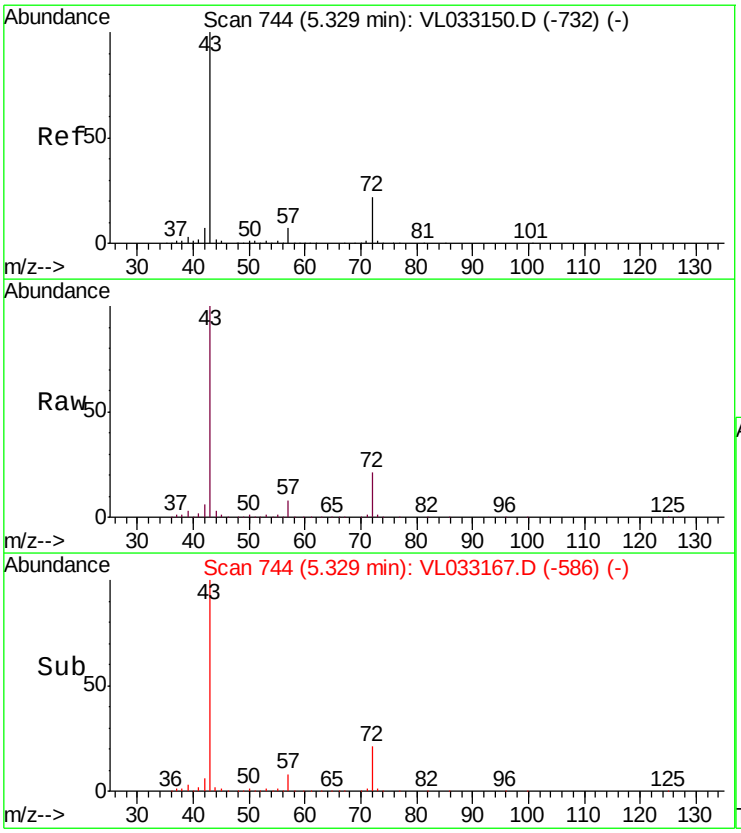
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:114 Resp: 3014609

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.0	30.0
88	18.2	14.4	21.6

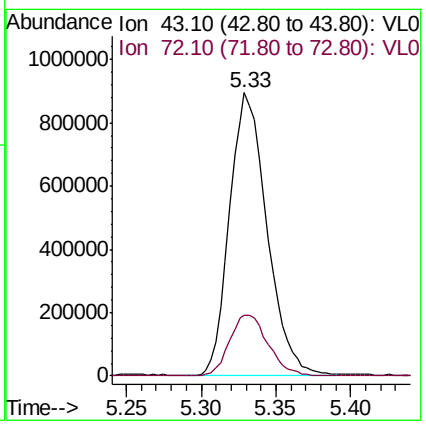


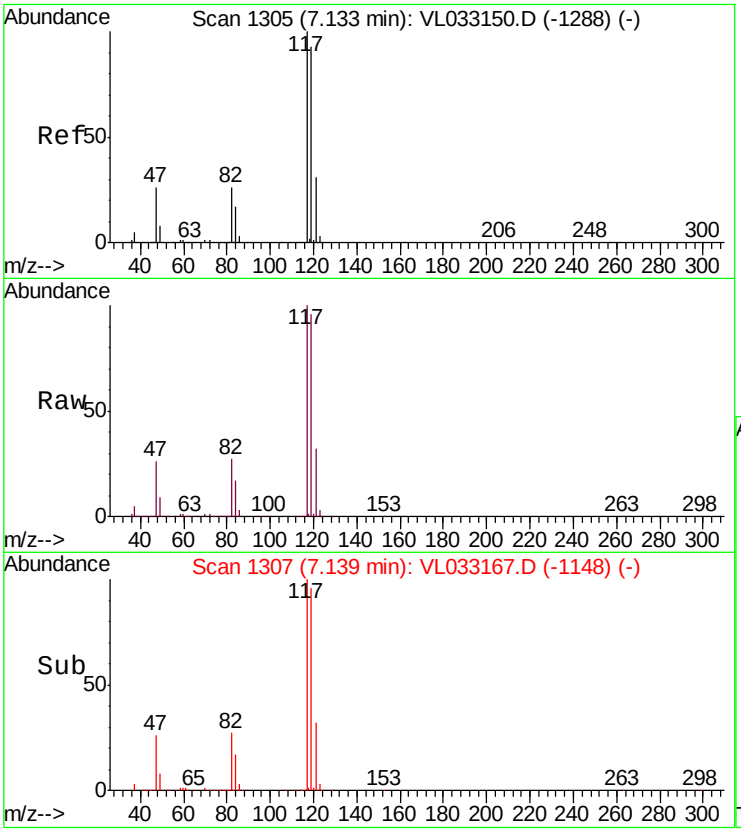


#34
2-Butanone
Concen: 8.213 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 43 Resp: 1557188

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.9	26.9



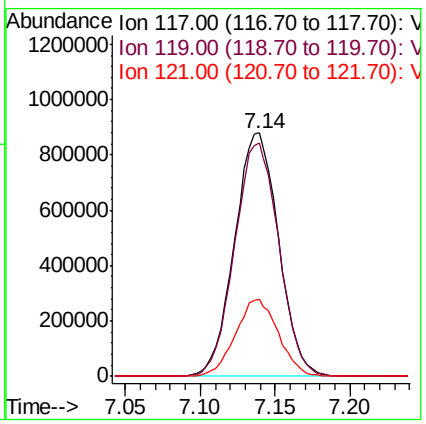


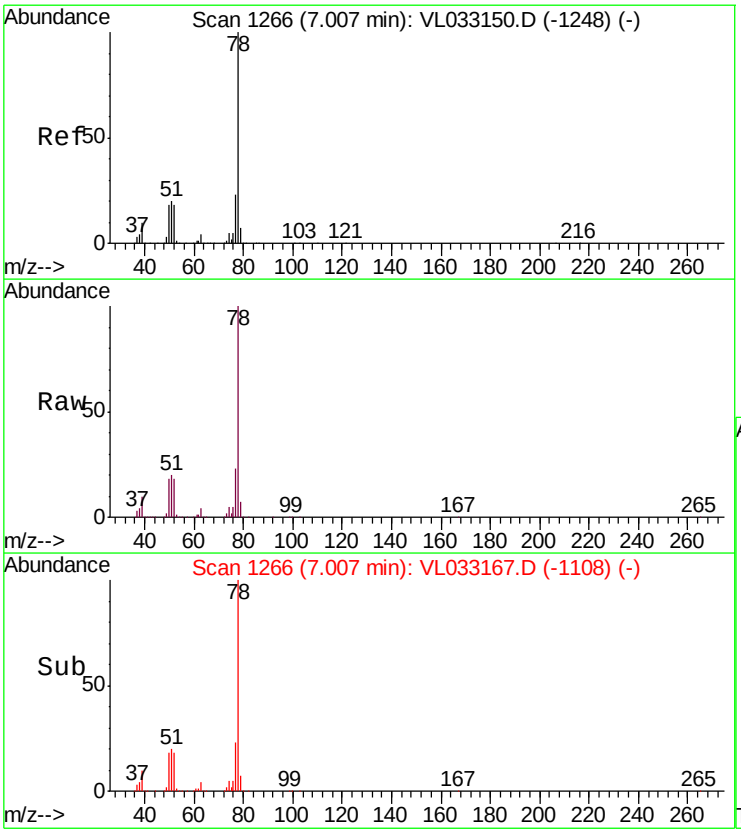
#35
Carbon Tetrachloride
Concen: 9.312 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:117 Resp: 1797722

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
121	31.8	25.0	37.4

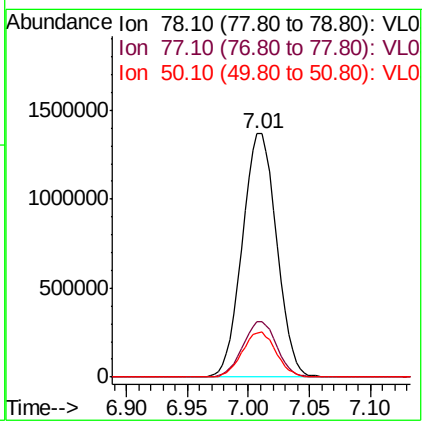


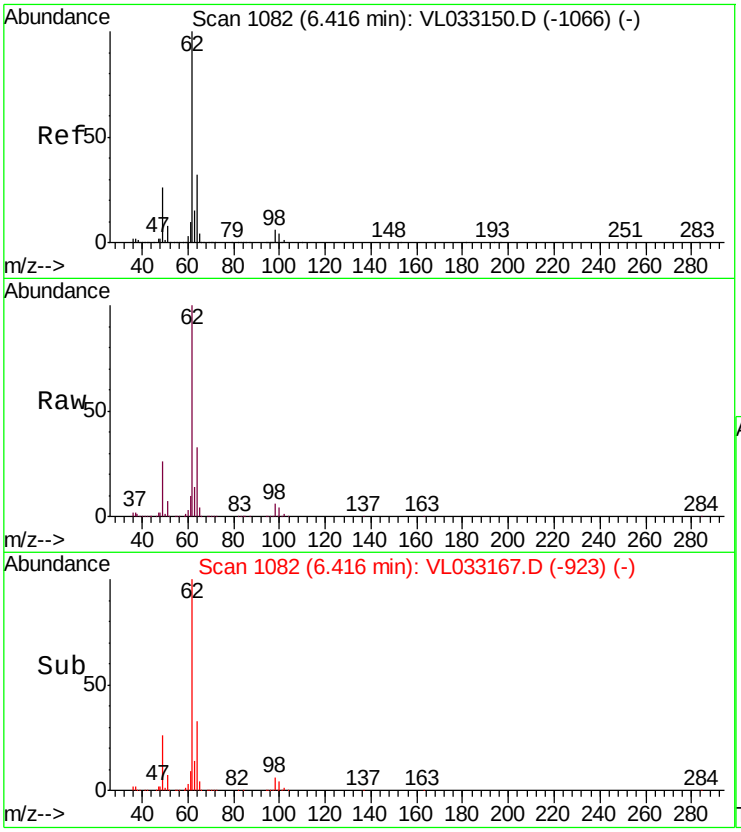


#36
Benzene
Concen: 8.717 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 78 Resp: 2656451

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.8	26.6
50	18.1	14.7	22.1



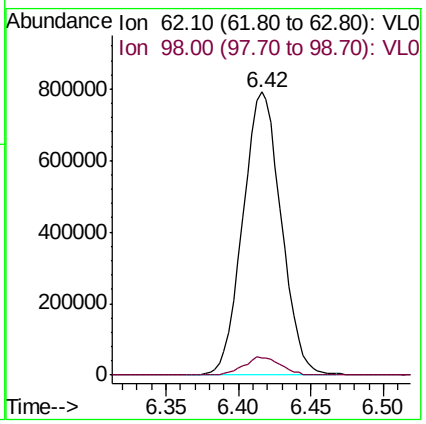


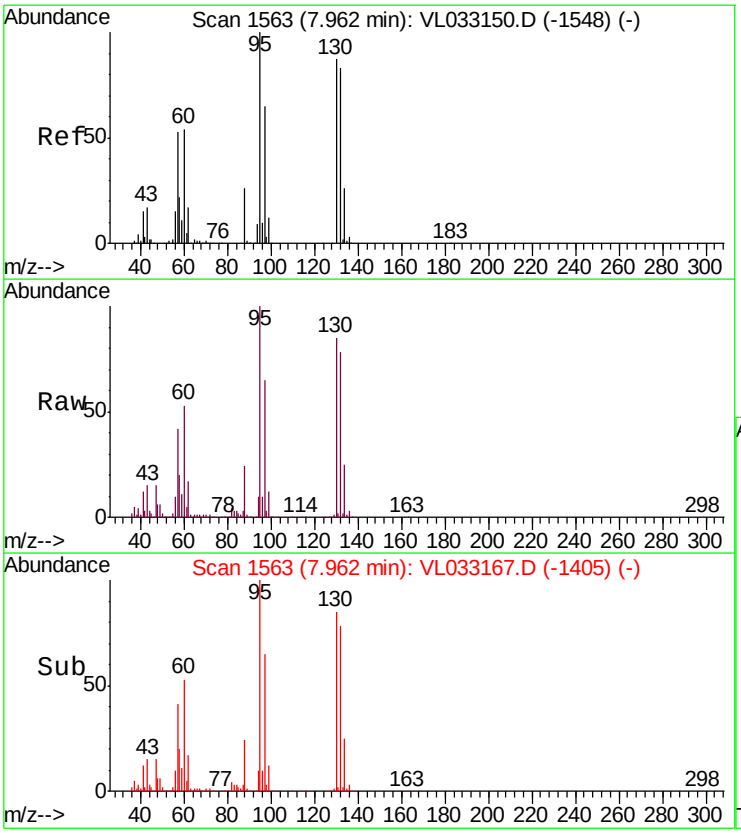
#37
1,2-Dichloroethane
Concen: 9.365 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1457694

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.3	7.9

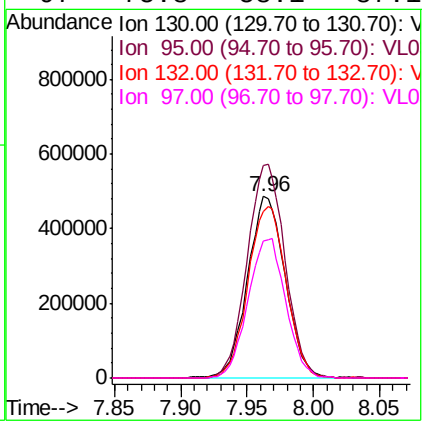


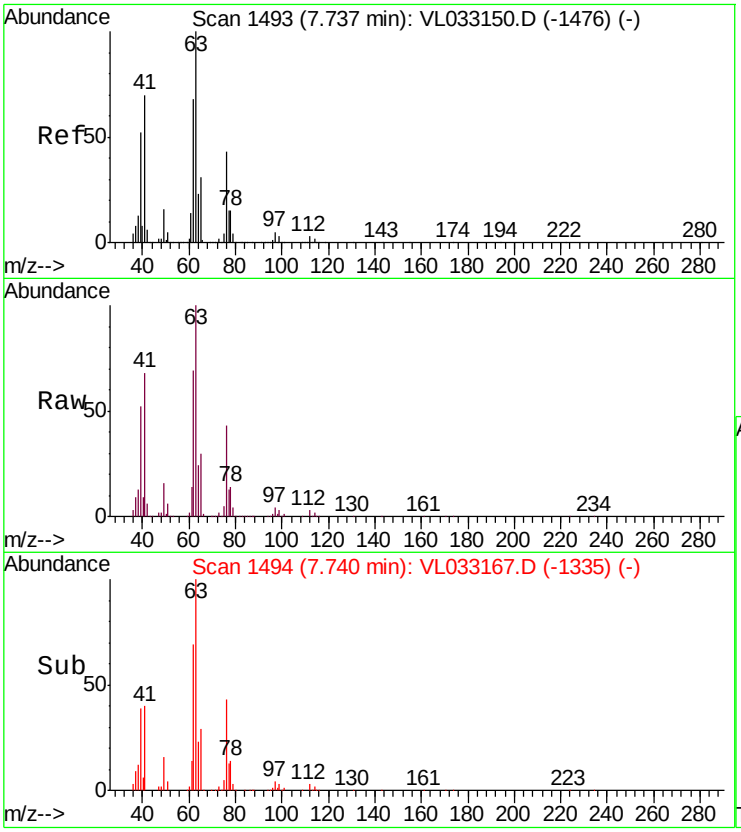


#38
Trichloroethene
Concen: 8.601 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:130 Resp: 951939

Ion	Ratio	Lower	Upper
130	100		
95	117.3	91.6	137.4
132	91.5	79.0	118.4
97	75.8	58.1	87.1



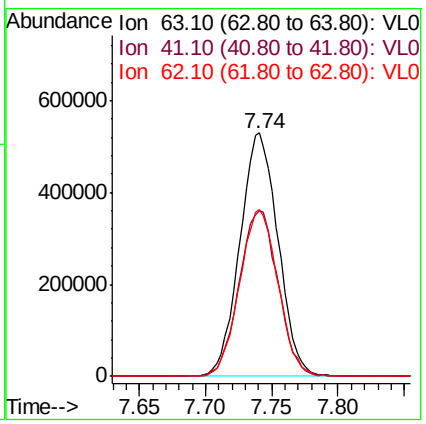


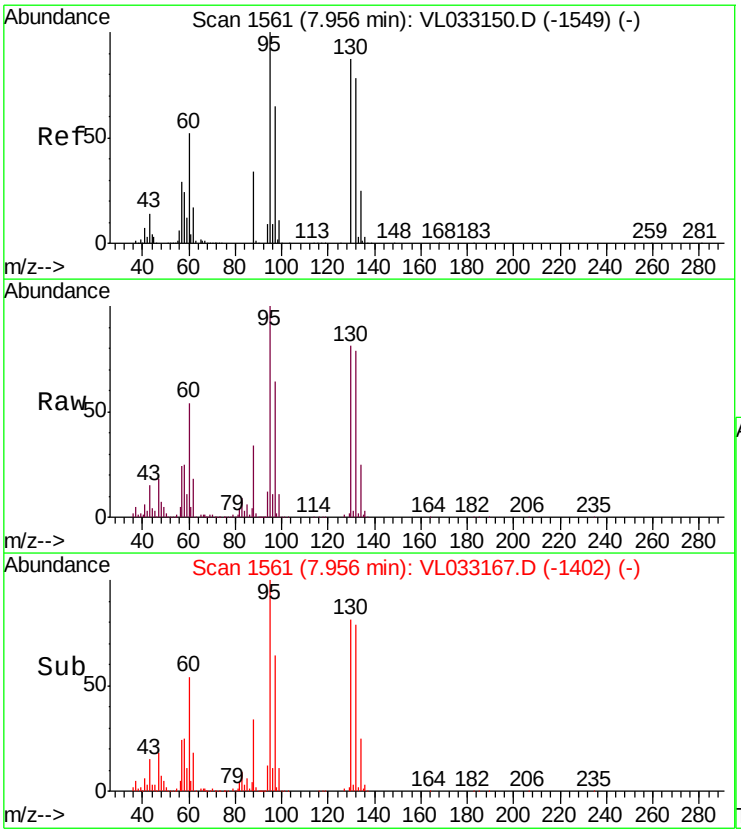
#39
1,2-Dichloropropane
Concen: 9.075 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 63 Resp: 1060735

Ion	Ratio	Lower	Upper
63	100		
41	67.8	53.2	79.8
62	68.5	54.4	81.6

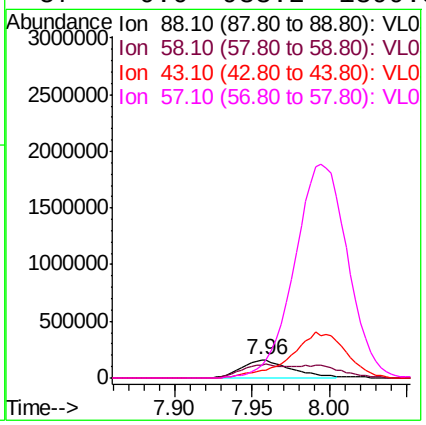


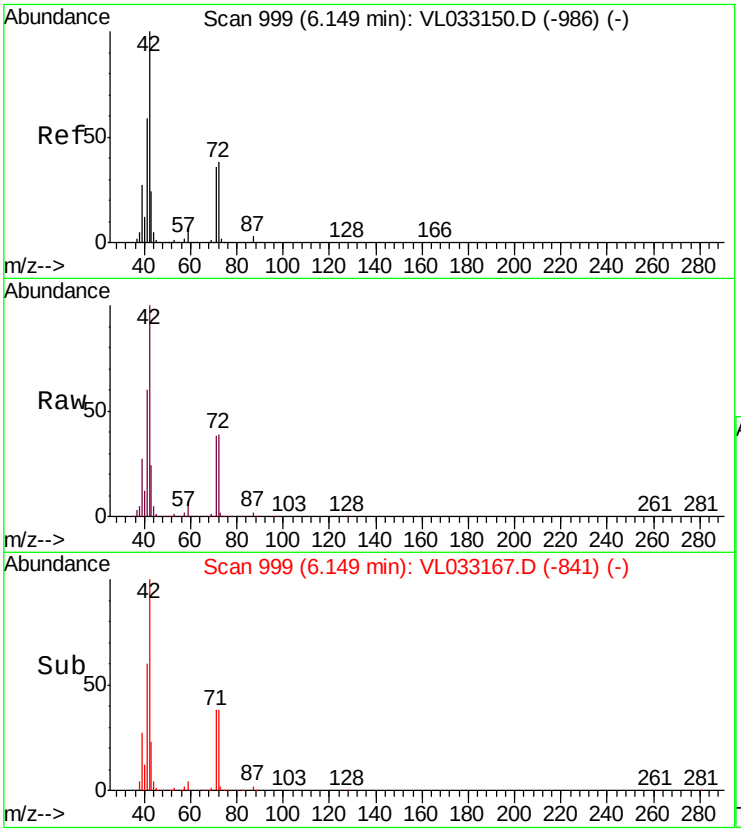


#40
1,4-Dioxane
Concen: 7.756 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 88 Resp: 353649

Ion	Ratio	Lower	Upper
88	100		
58	135.4	103.4	155.2
43	0.0	210.8	316.2#
57	0.0	933.2	1399.8#



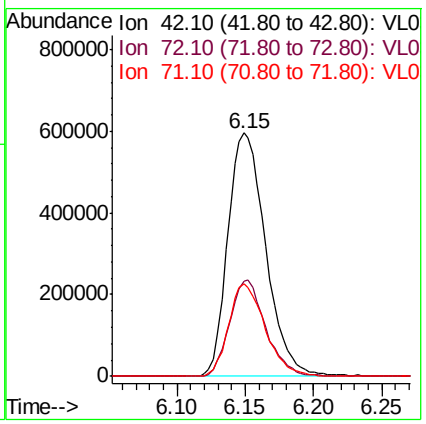


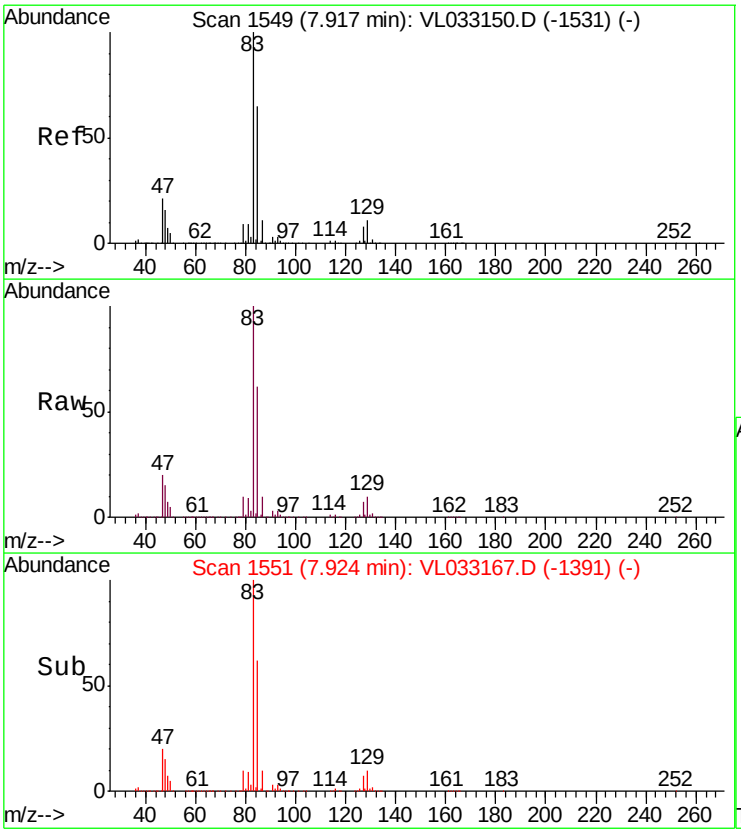
#41
Tetrahydrofuran
Concen: 9.732 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 42 Resp: 1146378

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.2	45.4
71	36.9	28.8	43.2

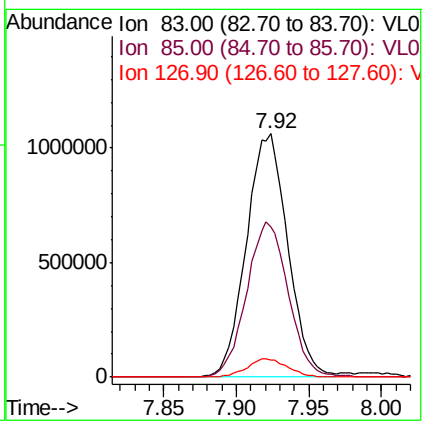


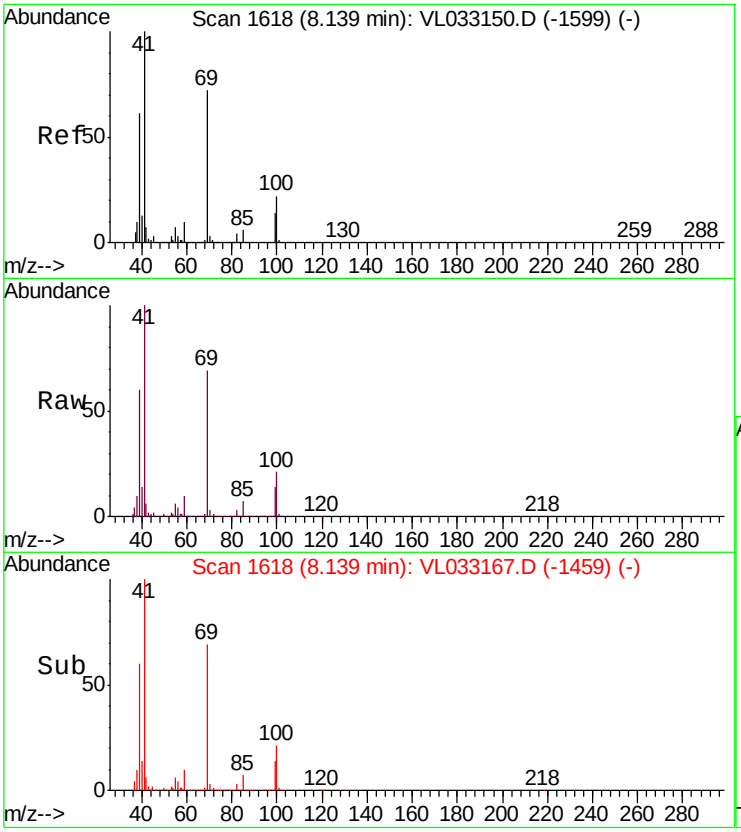


#42
Bromodichloromethane
Concen: 9.288 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 83 Resp: 2115494

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.3	76.9
127	7.2	6.1	9.1



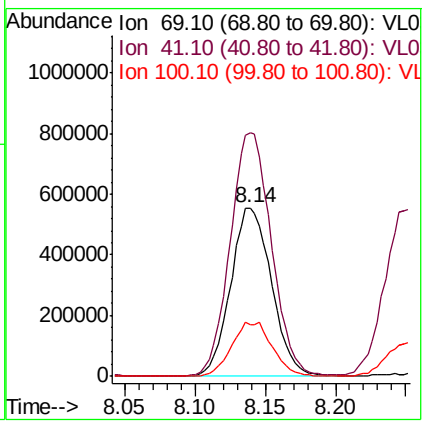


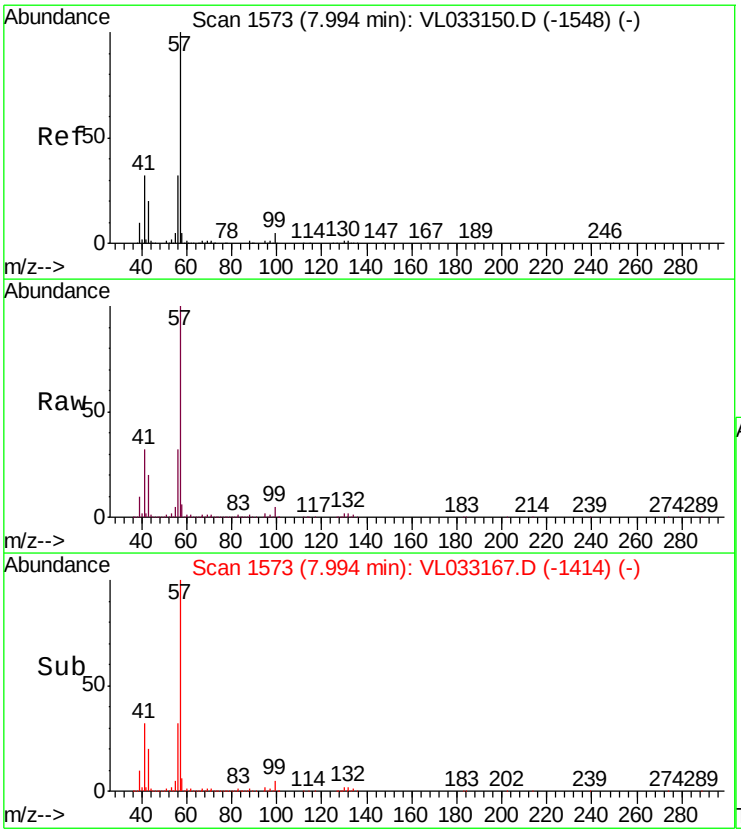
#43
Methyl Methacrylate
Concen: 9.273 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 69 Resp: 1124119

Ion	Ratio	Lower	Upper
69	100		
41	146.1	118.4	177.6
100	32.0	26.5	39.7

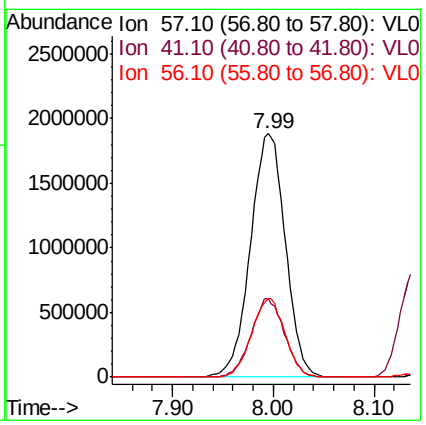


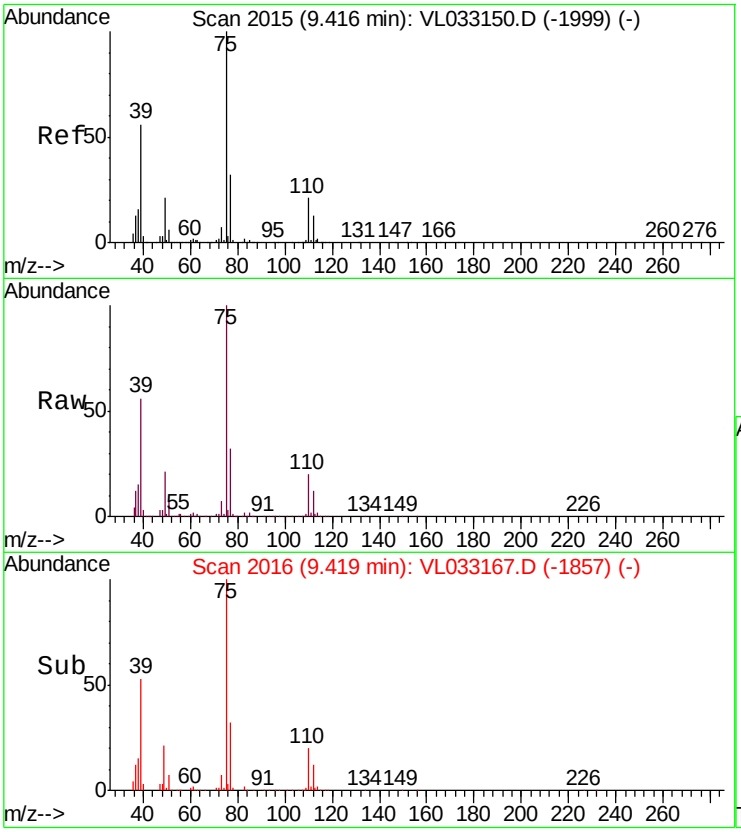


#44
2,2,4-Trimethylpentane
Concen: 8.831 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 57 Resp: 4516001

Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.6	36.8
56	30.9	24.9	37.3



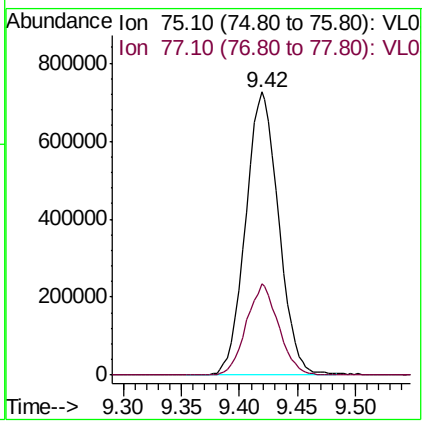


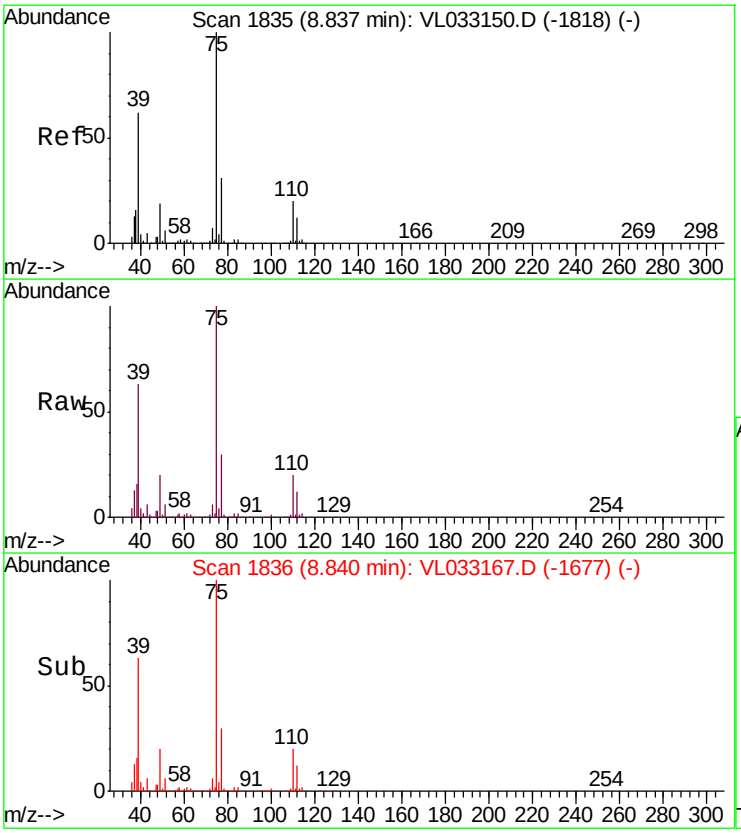
#45
t-1,3-Dichloropropene
Concen: 9.639 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1442080

Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.4	36.6

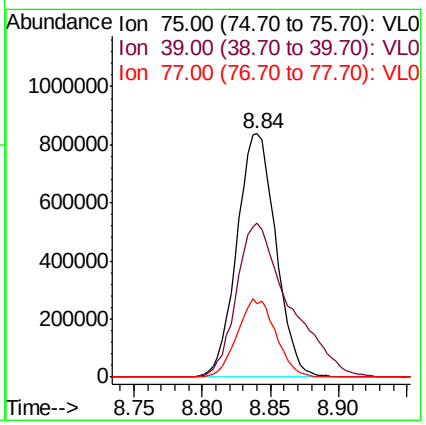


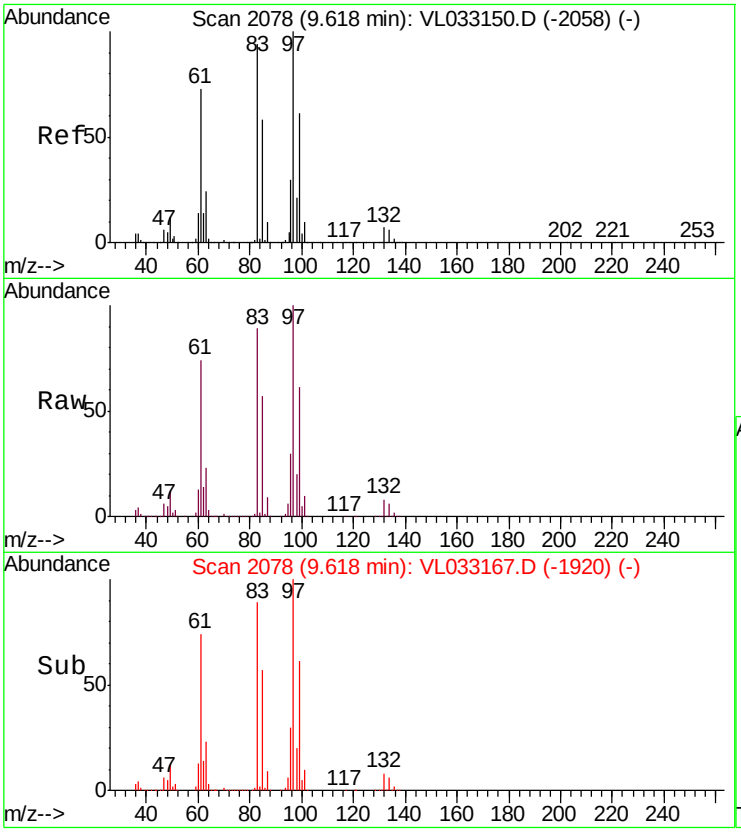


#46
cis-1,3-Dichloropropene
Concen: 9.252 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 75 Resp: 1664903

Ion	Ratio	Lower	Upper
75	100		
39	63.0	51.4	77.2
77	30.4	25.4	38.0



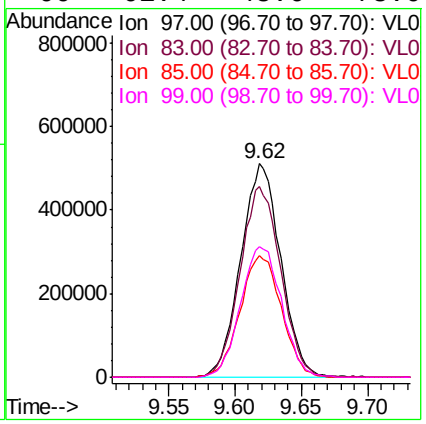


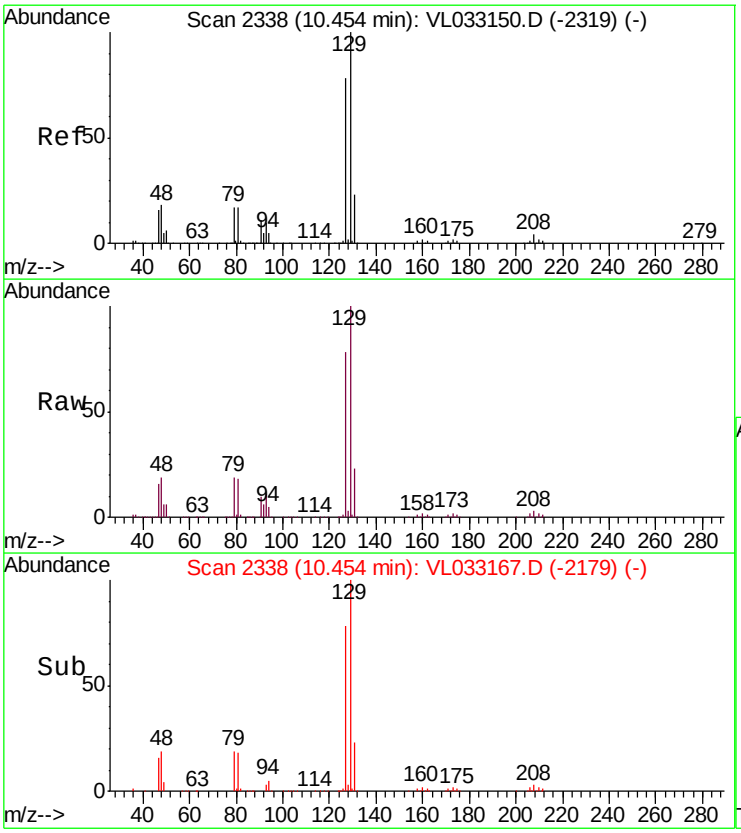
#47
1,1,2-Trichloroethane
Concen: 8.542 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 1071927

Ion	Ratio	Lower	Upper
97	100		
83	89.3	65.8	98.8
85	56.8	44.7	67.1
99	61.4	48.6	73.0

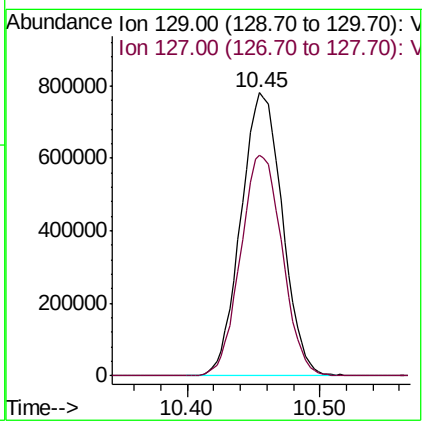


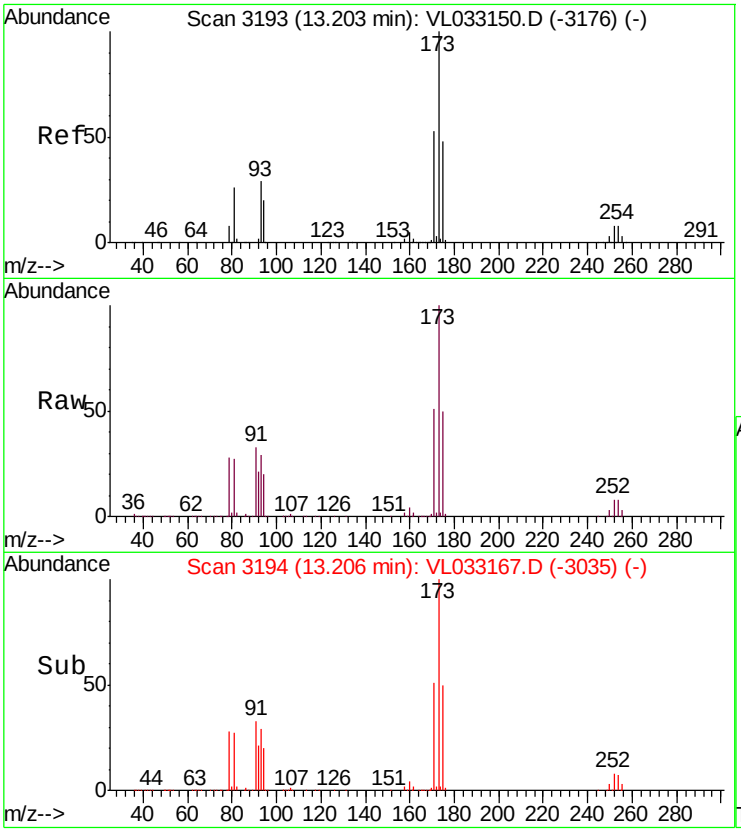


#48
Dibromochloromethane
Concen: 9.108 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:129 Resp: 1701052

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



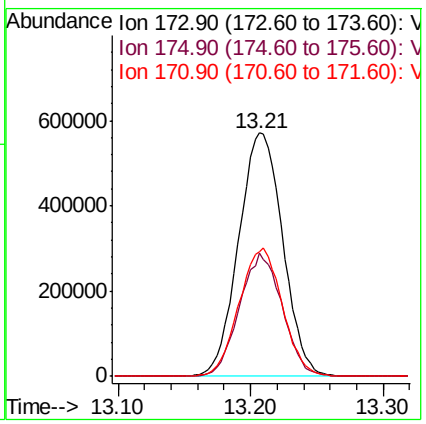


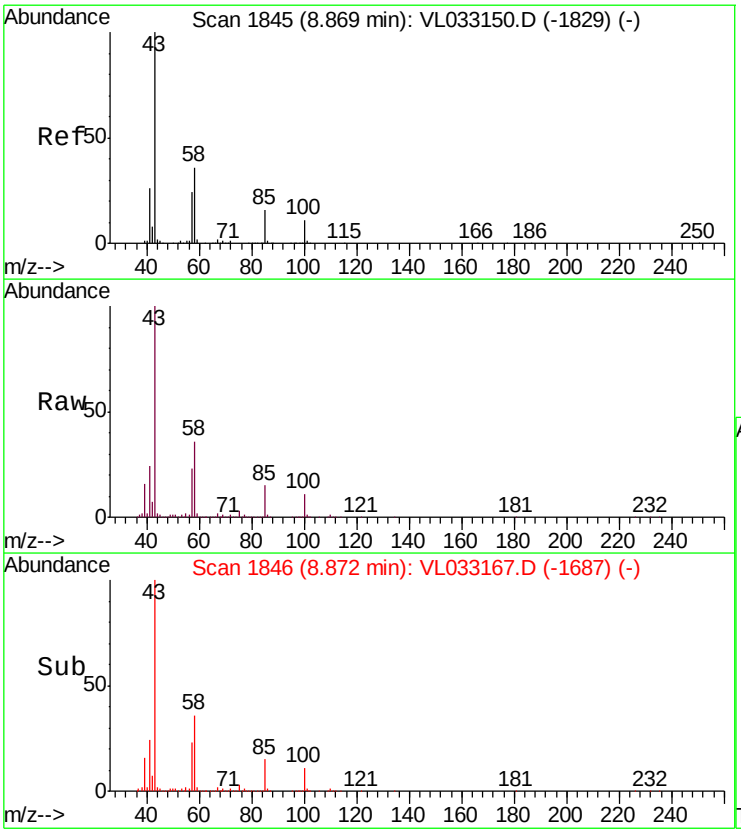
#49
Bromoform
Concen: 8.587 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1323689

Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.3	58.9
171	51.8	41.8	62.6

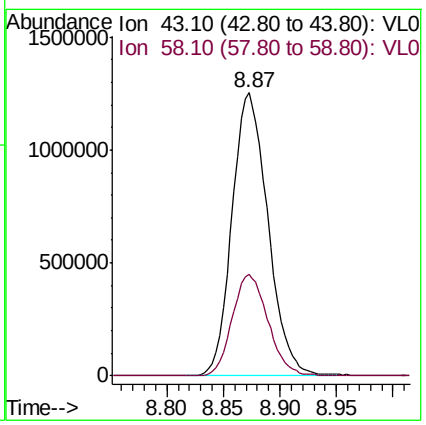


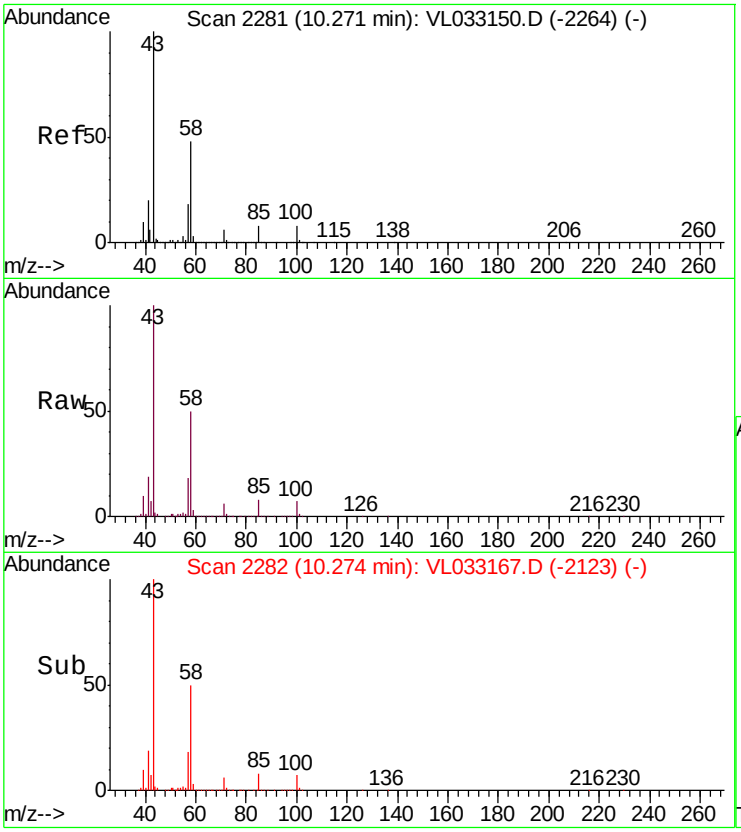


#50
4-Methyl-2-Pentanone
Concen: 8.070 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 43 Resp: 2769620

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.7	43.1



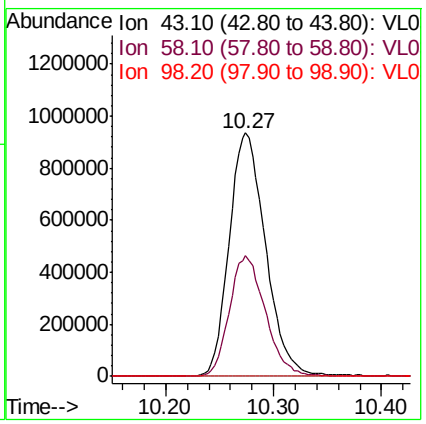


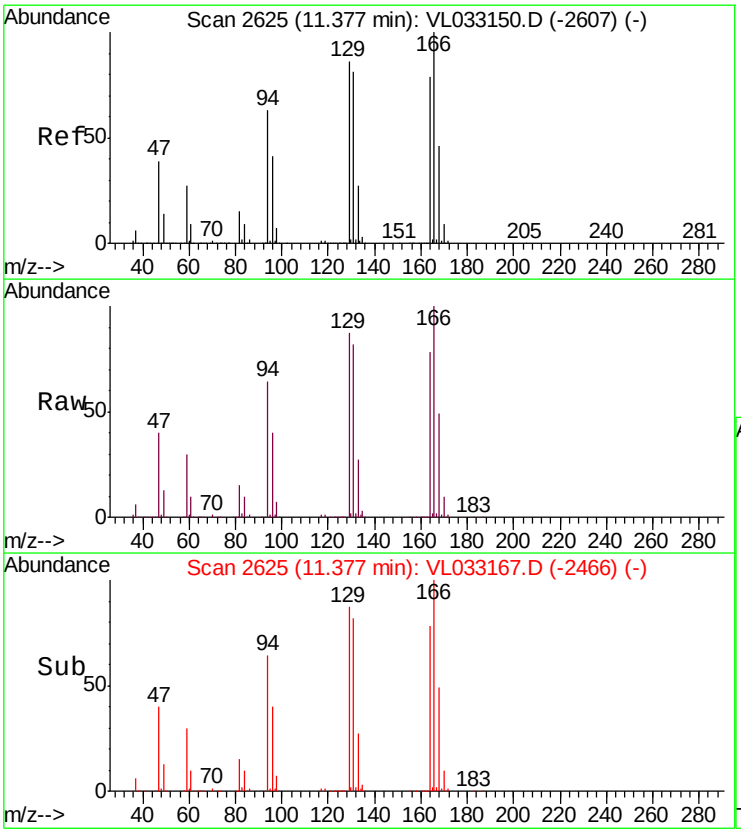
#51
2-Hexanone
Concen: 7.623 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 43 Resp: 2194229

Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.4	59.2
98	0.1	0.1	0.1

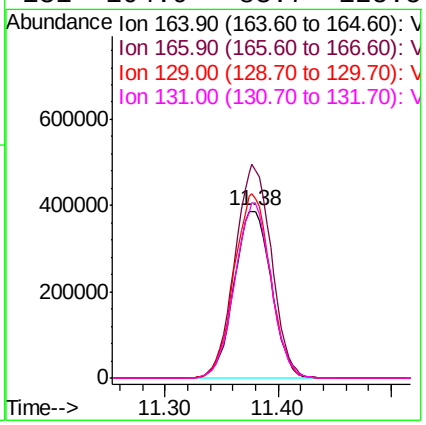


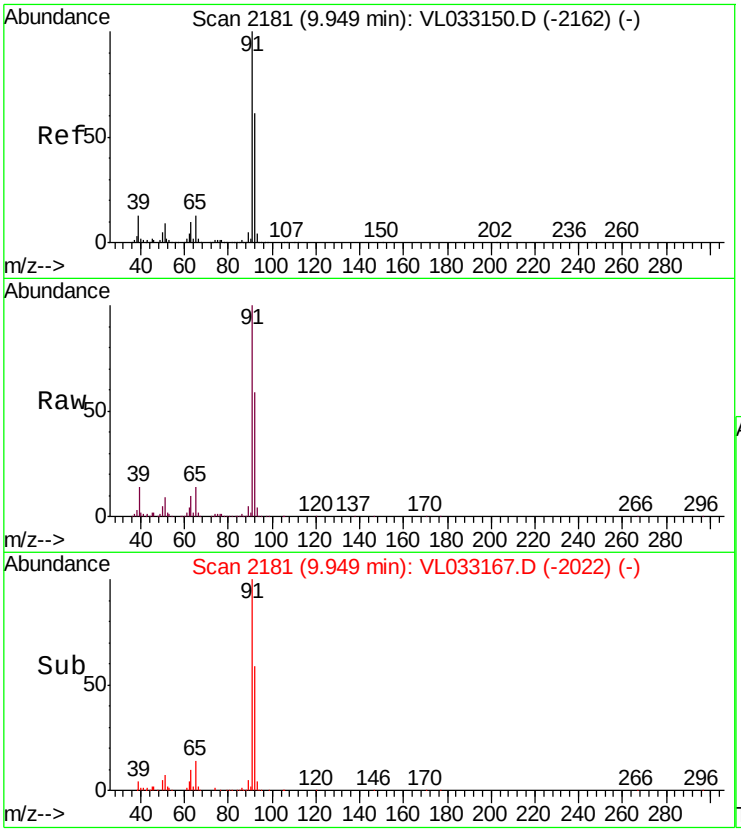


#52
Tetrachloroethene
Concen: 8.334 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:164 Resp: 882733

Ion	Ratio	Lower	Upper
164	100		
166	127.8	98.6	148.0
129	110.6	86.3	129.5
131	104.9	83.7	125.5



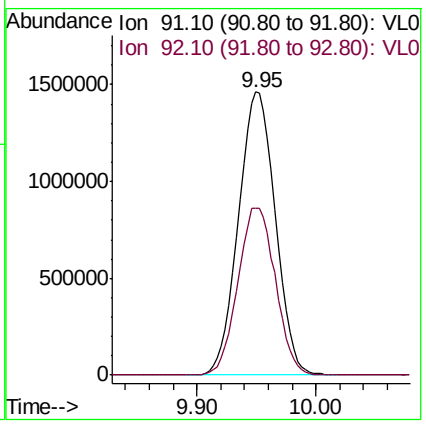


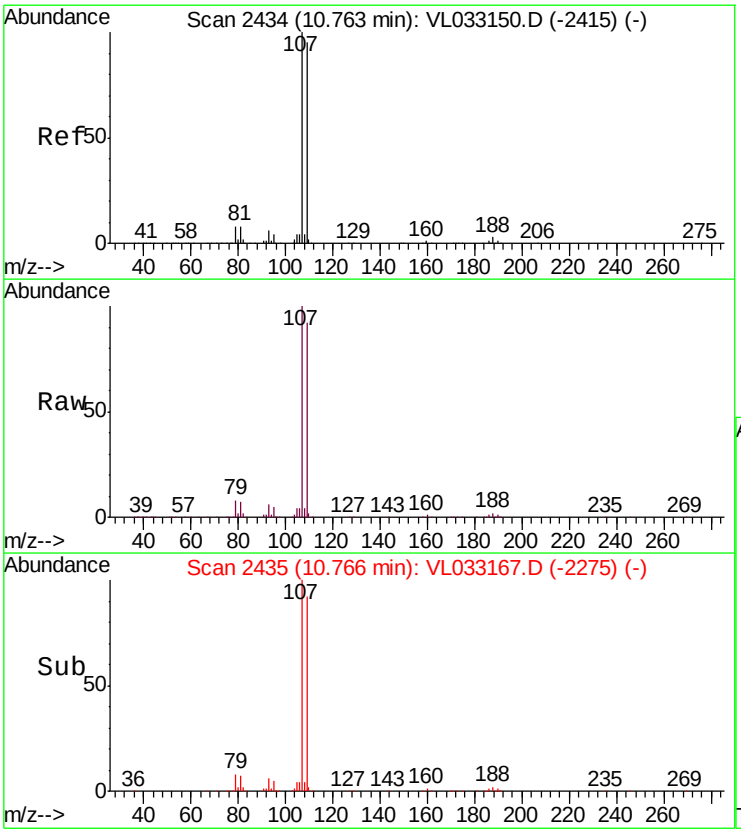
#53
Toluene
Concen: 8.686 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 3143919

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.9	73.3

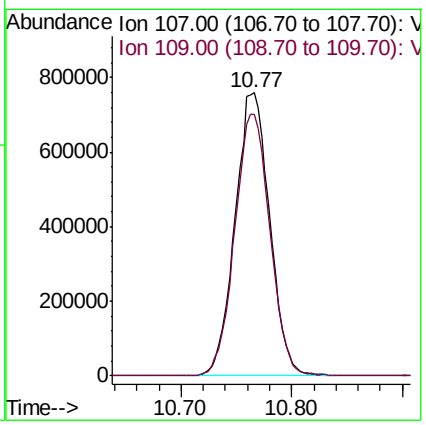


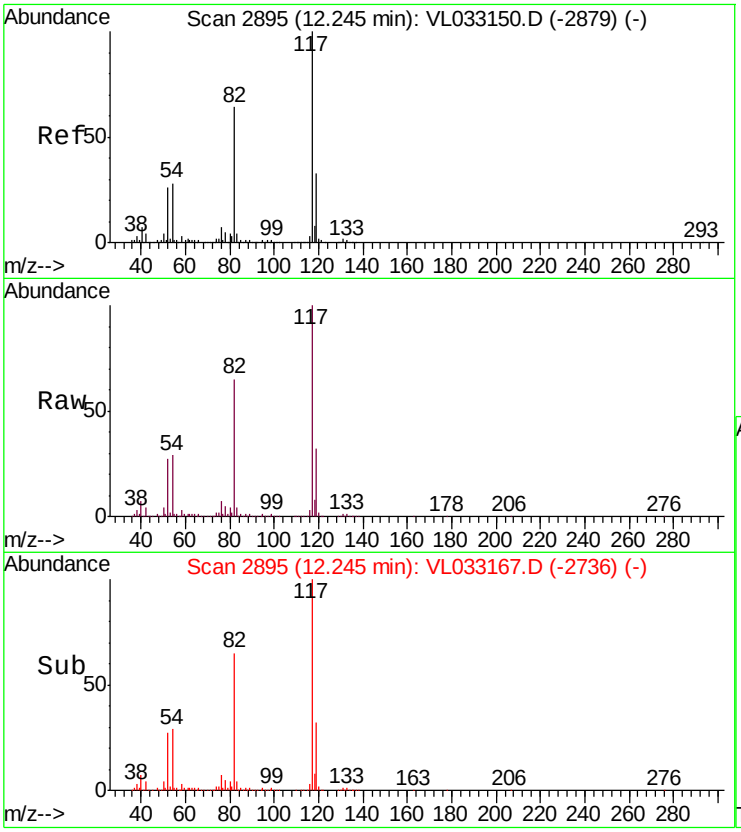


#54
1,2-Dibromoethane
Concen: 8.699 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:107 Resp: 1652930

Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.7	112.1



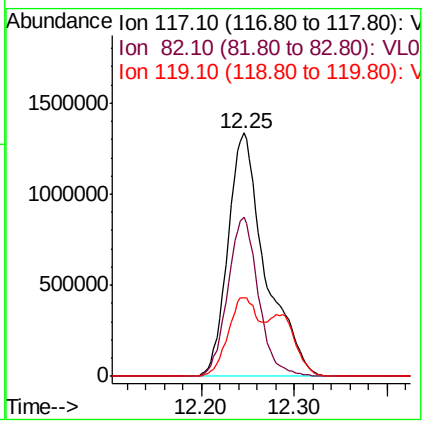


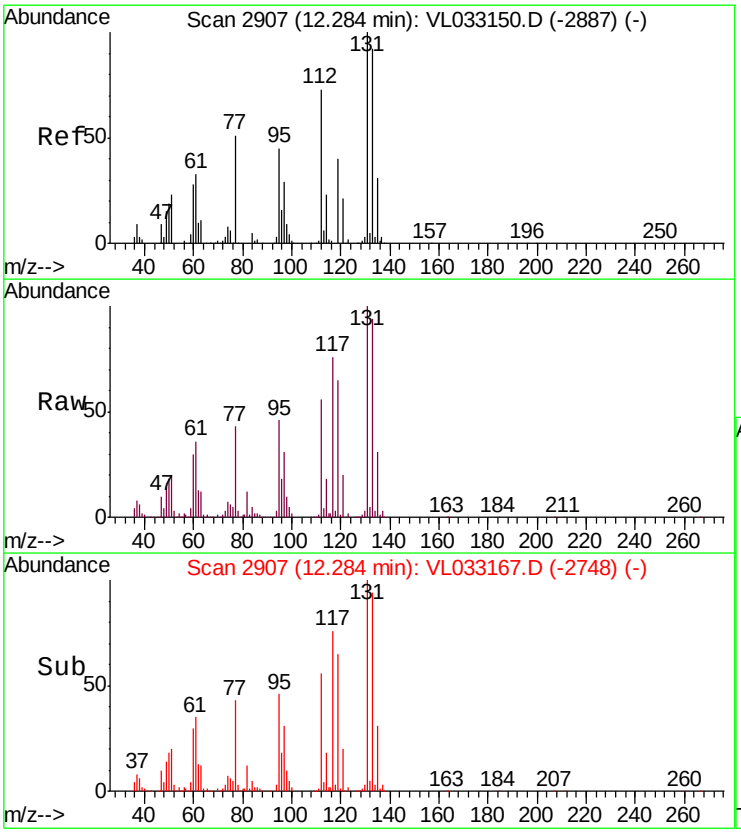
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3735891

Ion	Ratio	Lower	Upper
117	100		
82	53.9	49.3	73.9
119	28.6	27.1	40.7

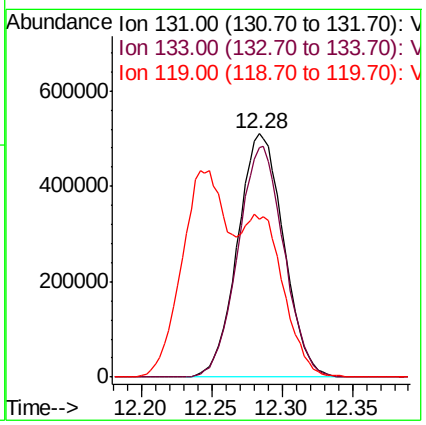


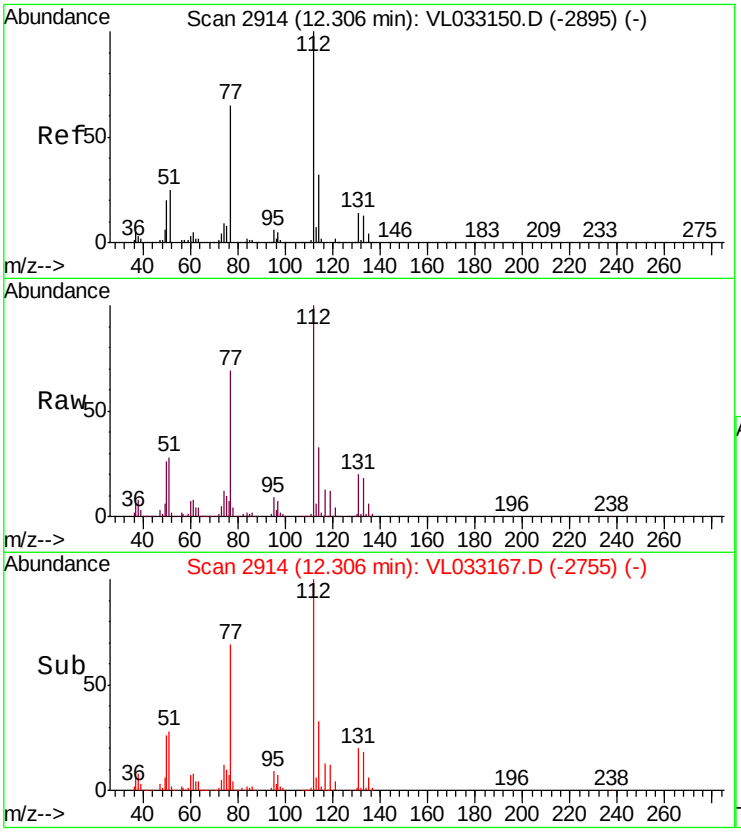


#56
1,1,1,2-Tetrachloroethane
Concen: 7.146 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:131 Resp: 1154188

Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.2	114.4
119	147.7	46.9	70.3#



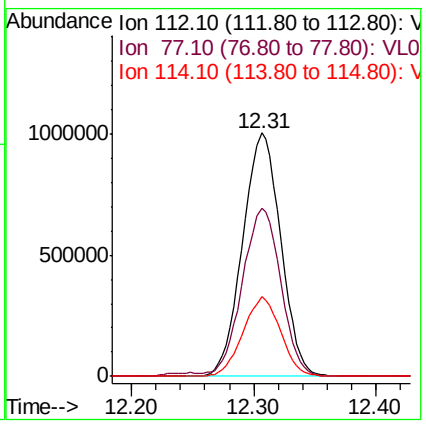


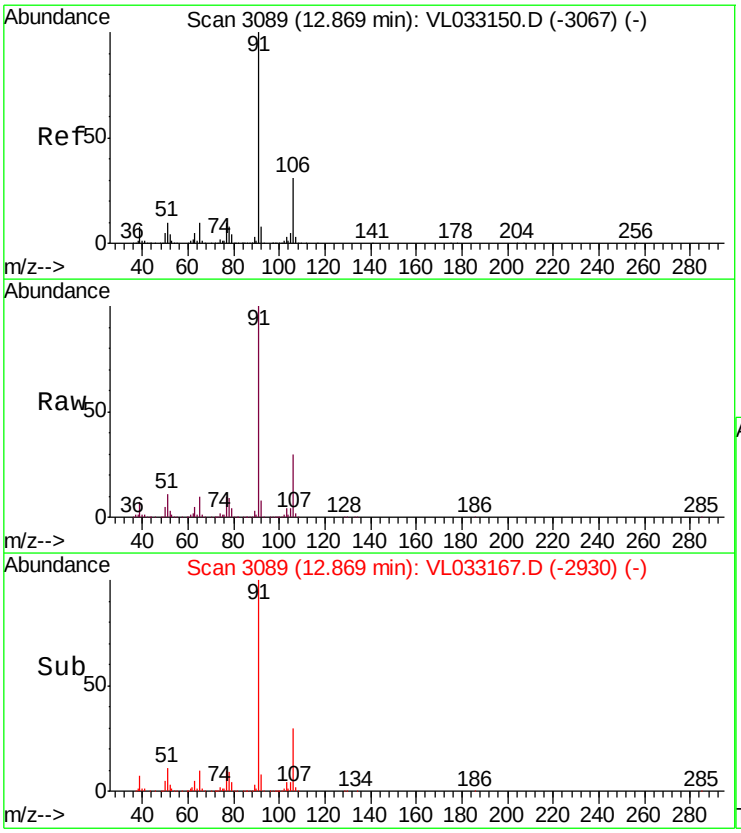
#57
Chlorobenzene
Concen: 6.952 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:112 Resp: 2165302

Ion	Ratio	Lower	Upper
112	100		
77	68.8	52.8	79.2
114	32.9	29.7	36.3

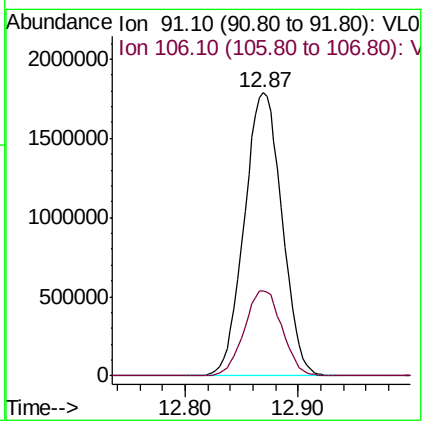


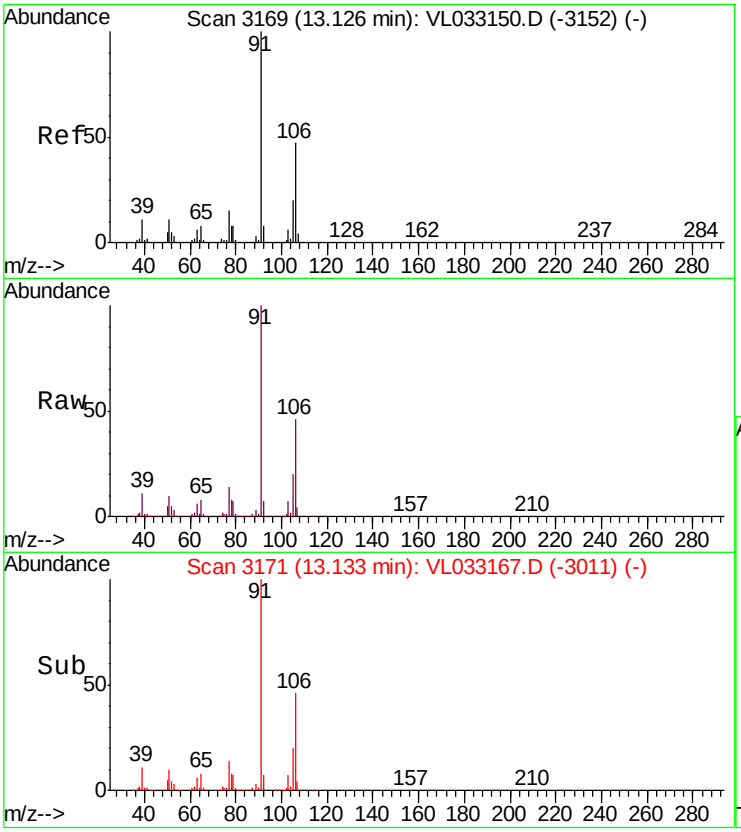


#58
Ethyl Benzene
Concen: 7.052 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 91 Resp: 4145093

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.7	37.1



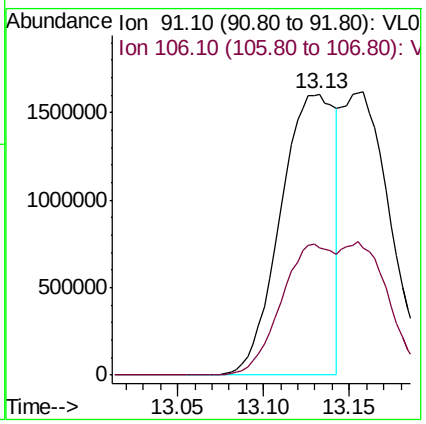


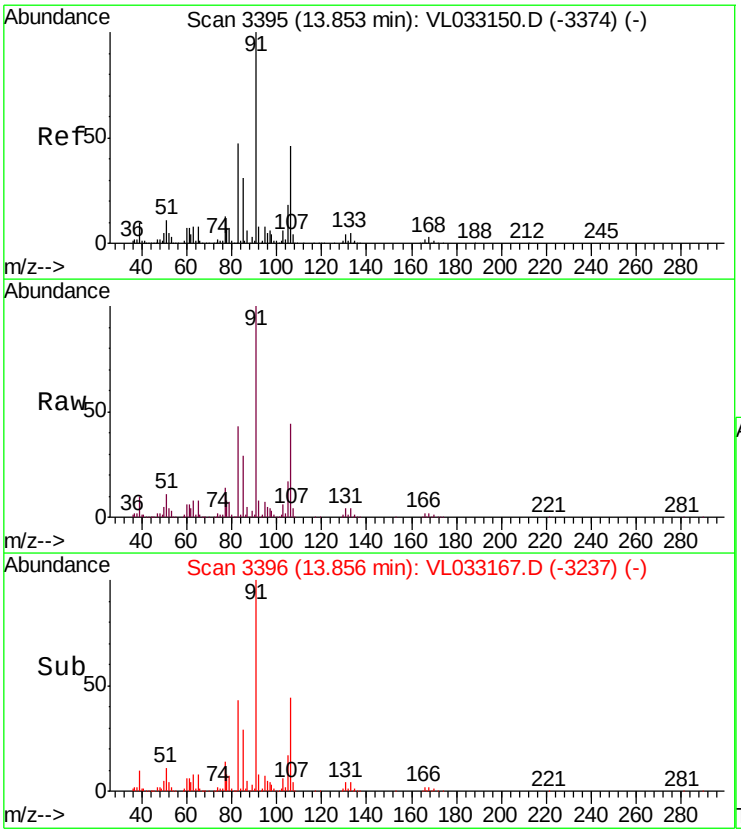
#59
m/p-Xylene
Concen: 7.285 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 3506583

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.6	56.4#

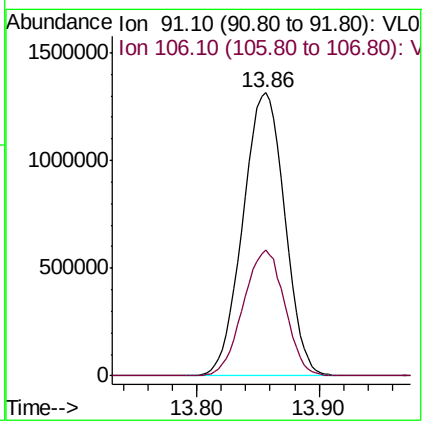


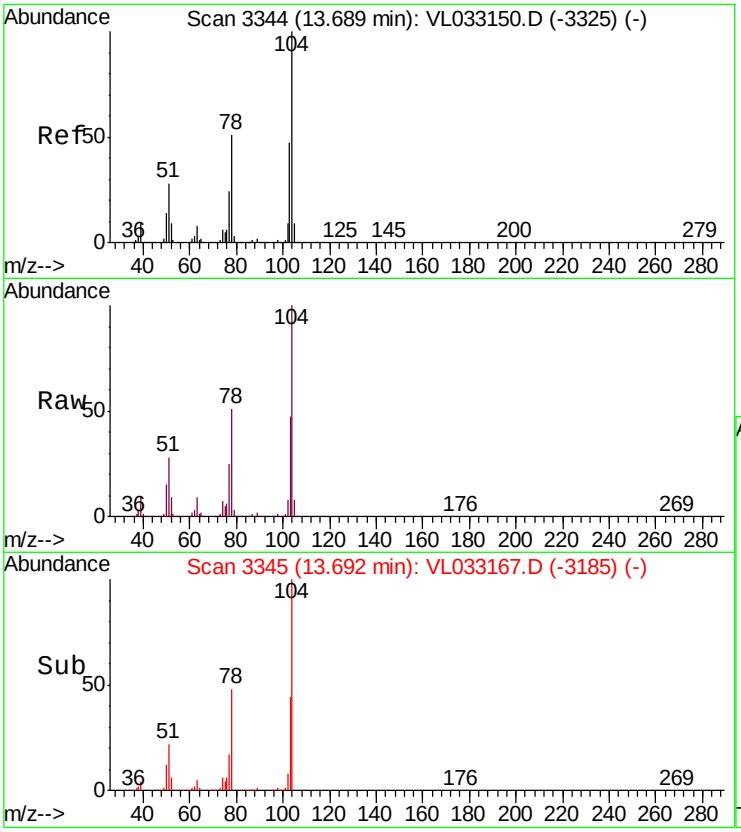


#60
o-Xylene
Concen: 7.031 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 91 Resp: 3122813

Ion	Ratio	Lower	Upper
91	100		
106	43.9	23.2	69.5



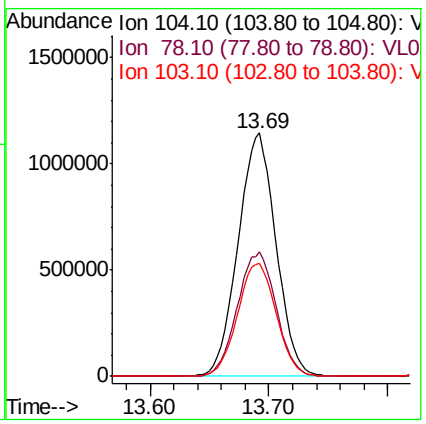


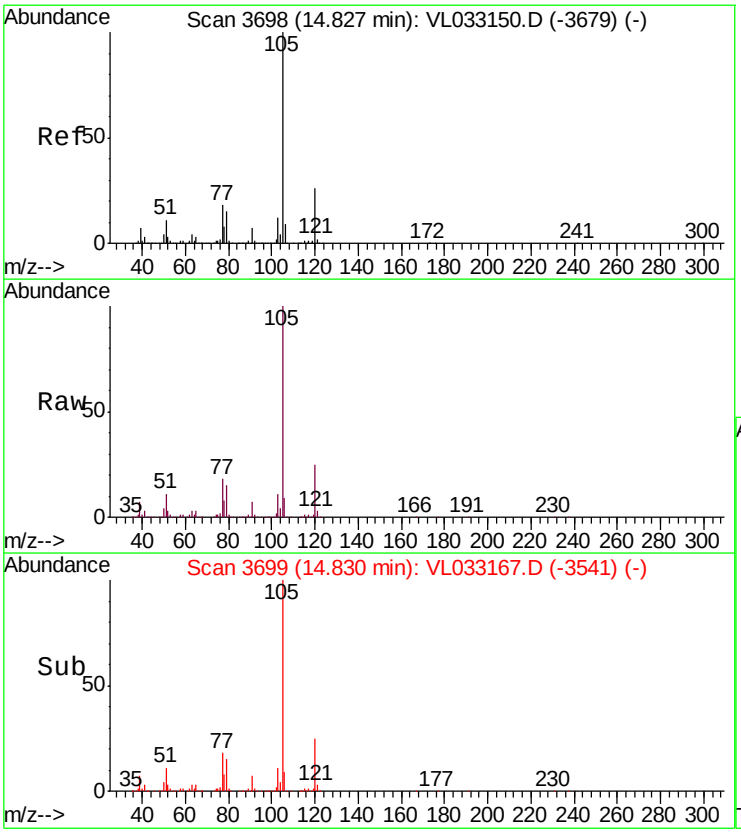
#61
Styrene
Concen: 7.097 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 2522326

Ion	Ratio	Lower	Upper
104	100		
78	52.2	39.7	59.5
103	47.5	37.7	56.5

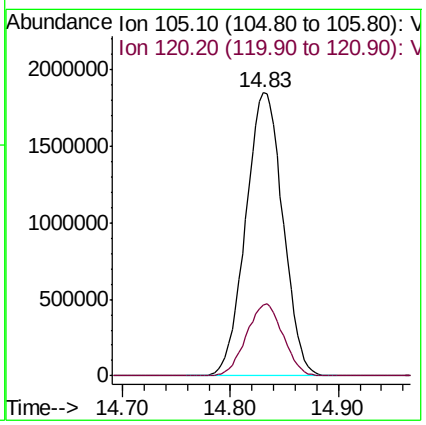


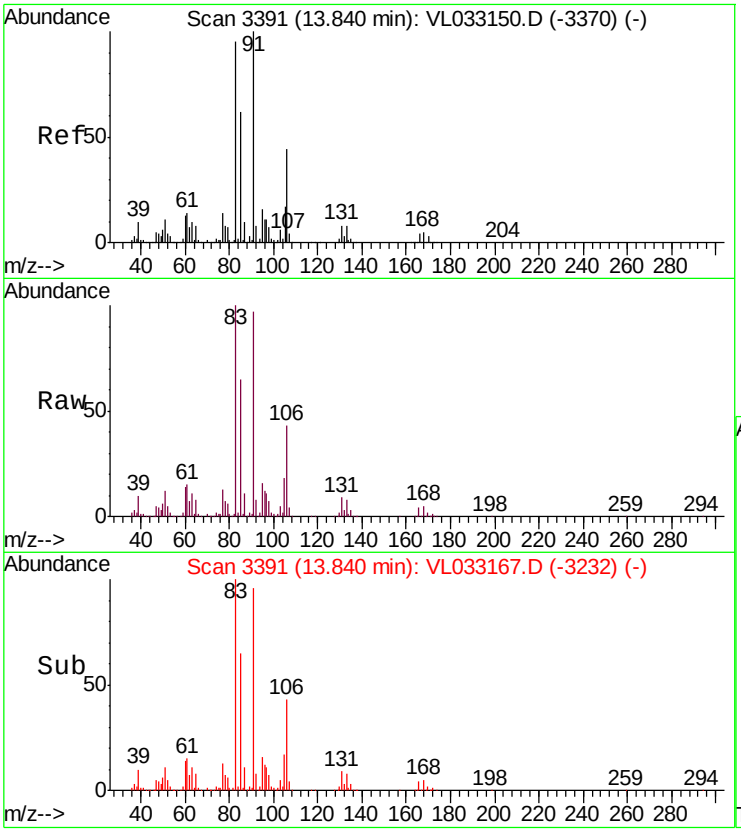


#62
Isopropylbenzene
Concen: 6.990 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:105 Resp: 4431764

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.8	31.2



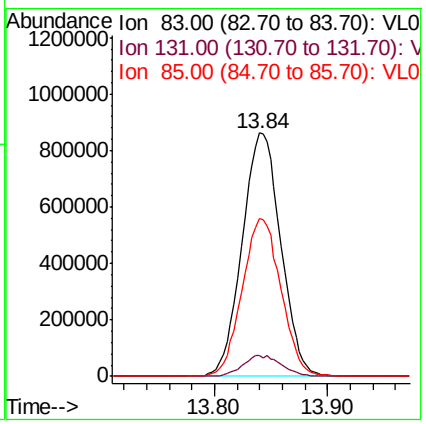


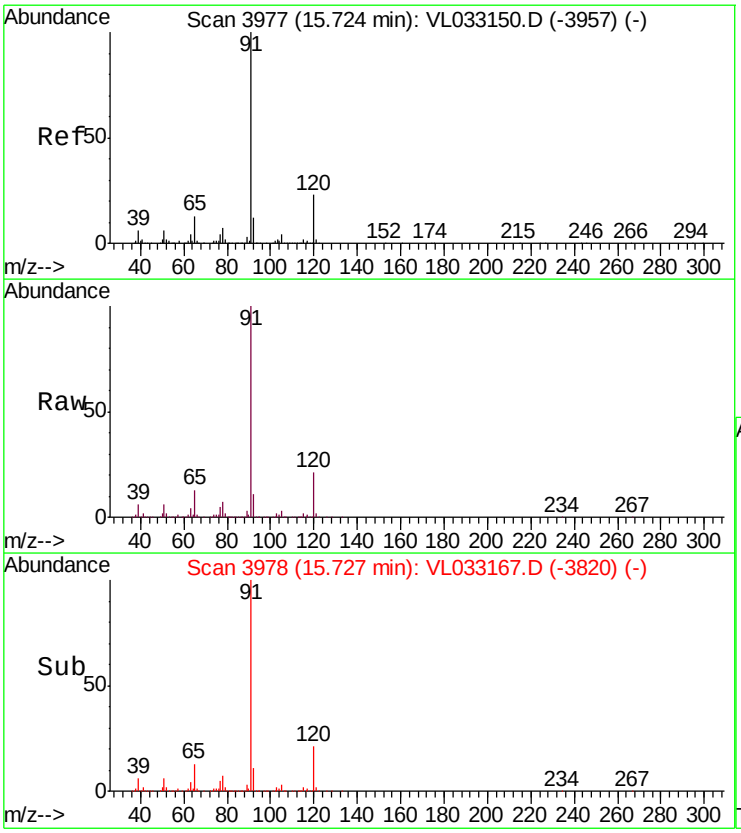
#63
1,1,2,2-Tetrachloroethane
Concen: 6.423 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2046637

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.5	13.7
85	65.0	32.5	97.4

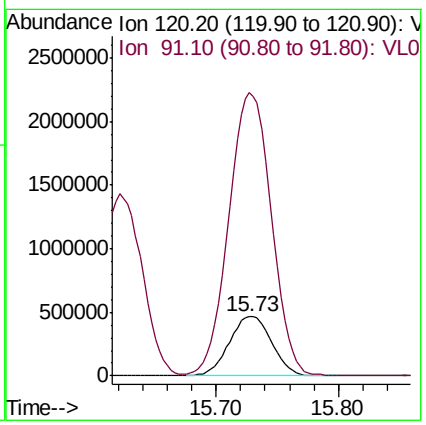


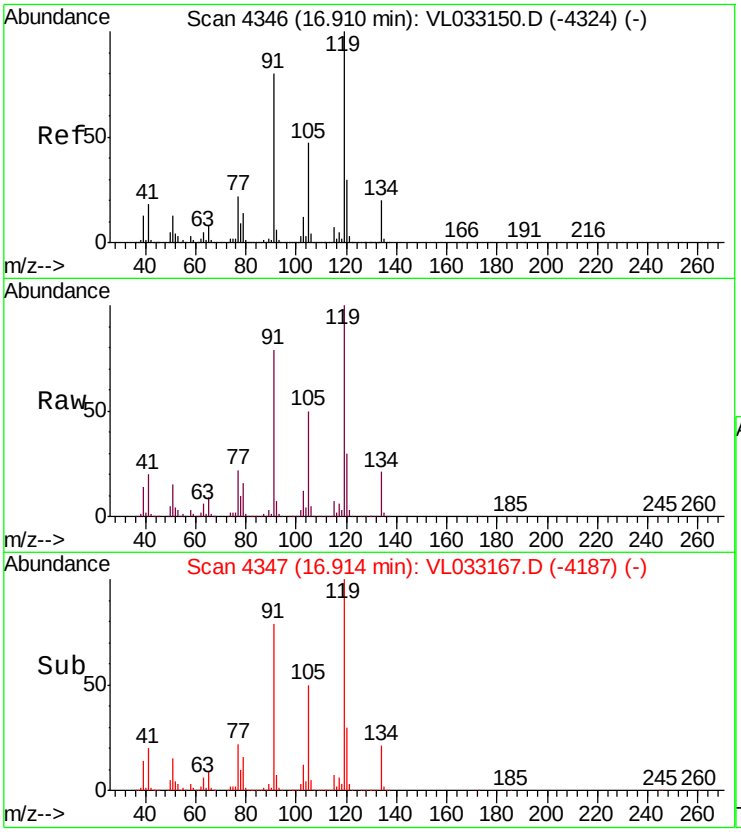


#64
n-propylbenzene
Concen: 6.788 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:120 Resp: 1123047

Ion	Ratio	Lower	Upper
120	100		
91	480.4	370.2	555.2



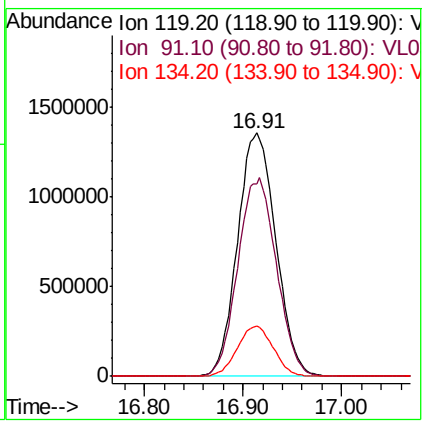


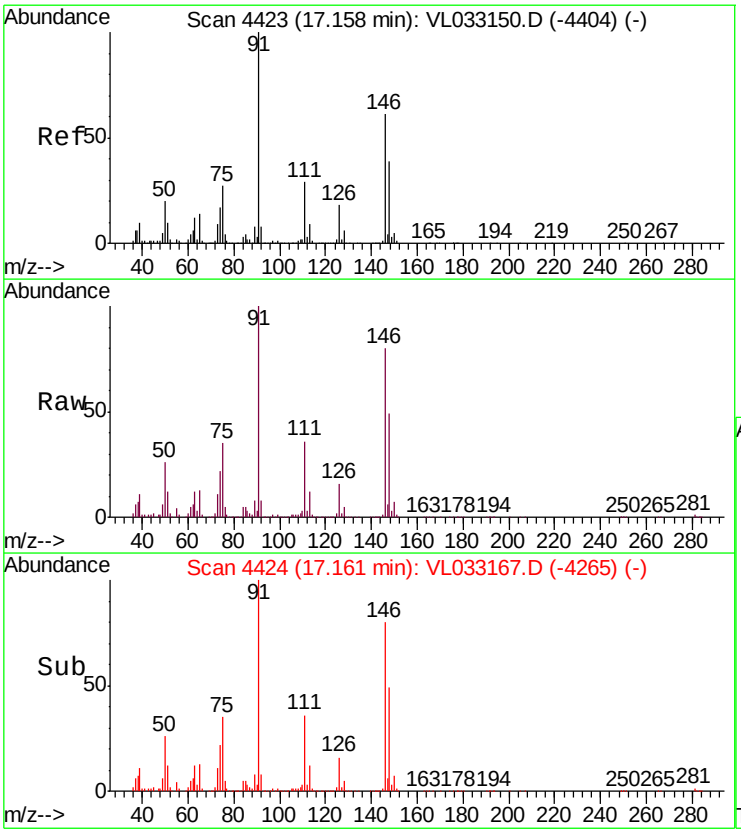
#65
tert-Butylbenzene
Concen: 6.398 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:119 Resp: 3638732

Ion	Ratio	Lower	Upper
119	100		
91	82.4	63.0	94.6
134	19.4	15.5	23.3

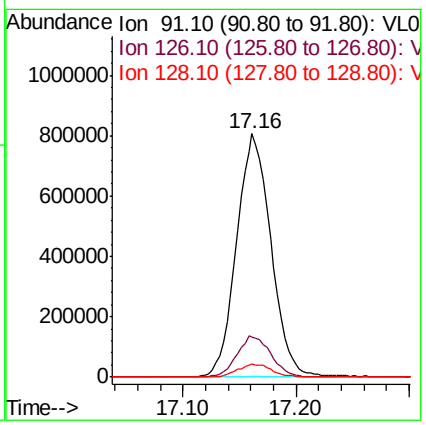


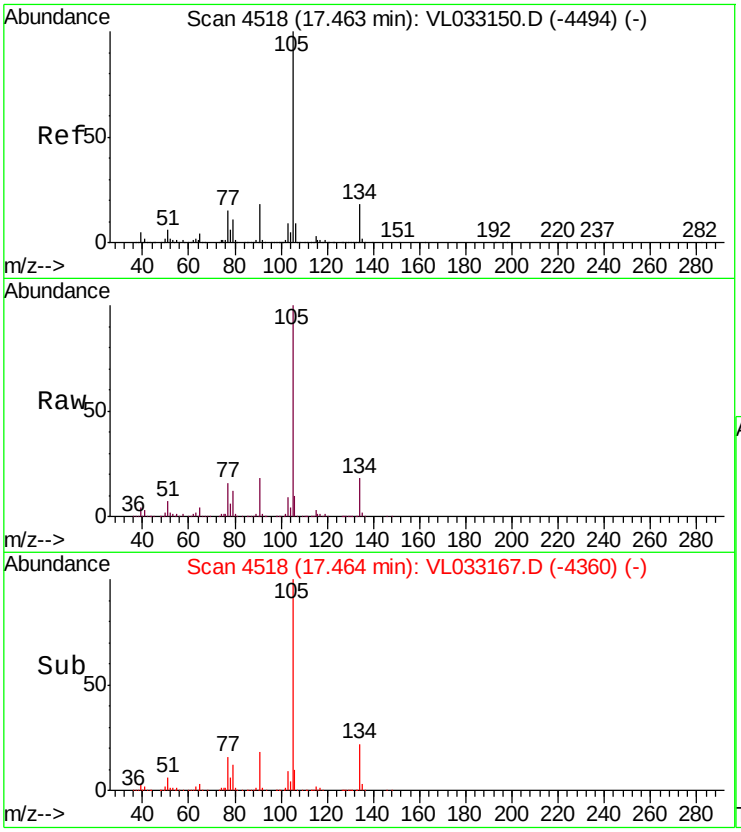


#66
Benzyl Chloride
Concen: 6.587 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 91 Resp: 1701293

Ion	Ratio	Lower	Upper
91	100		
126	16.9	14.9	22.3
128	5.3	4.7	7.1



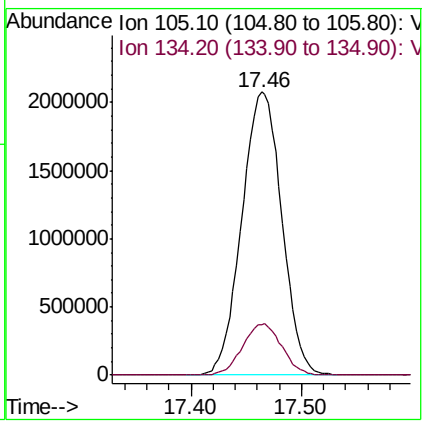


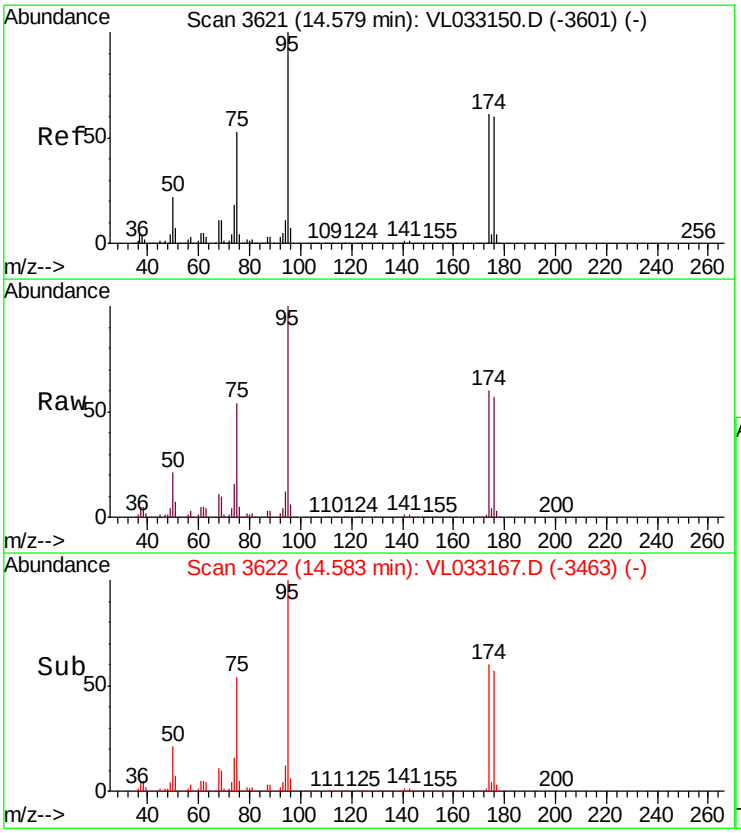
#67
sec-Butylbenzene
Concen: 6.436 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:105 Resp: 5232494

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.4	21.6

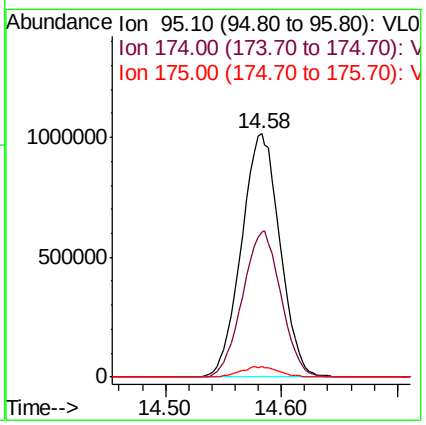


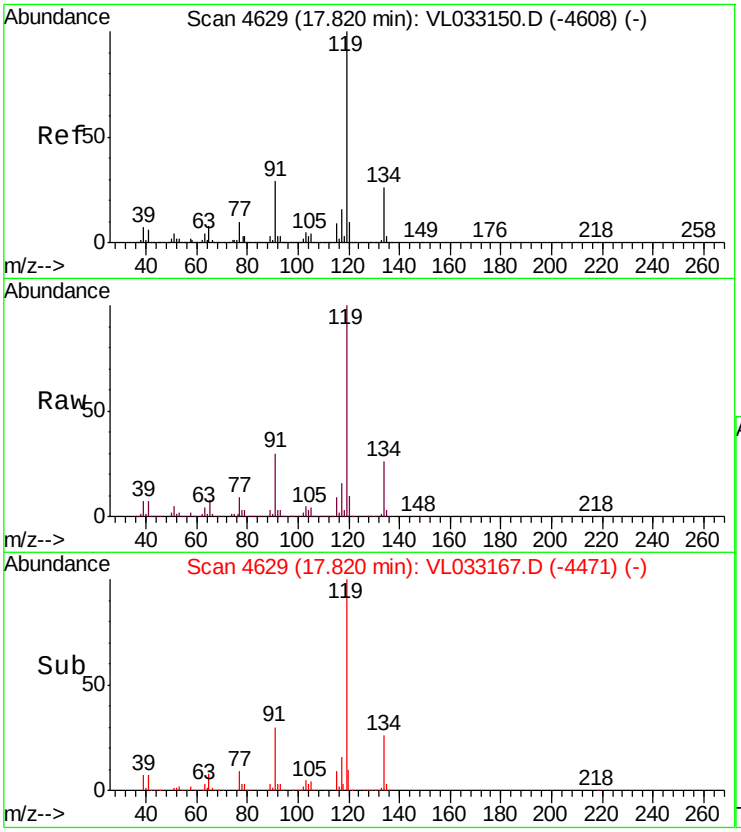


#68
1-Bromo-4-Fluorobenzene
Concen: 8.417 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 95 Resp: 2343541

Ion	Ratio	Lower	Upper
95	100		
174	60.0	49.2	73.8
175	4.4	3.7	5.5



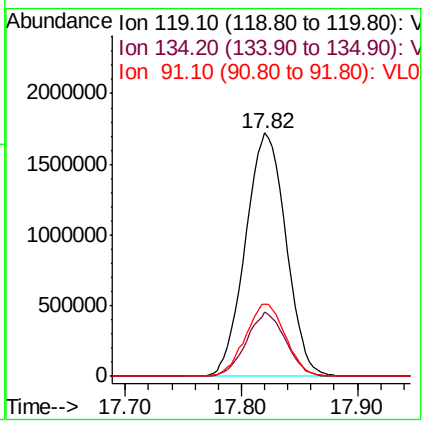


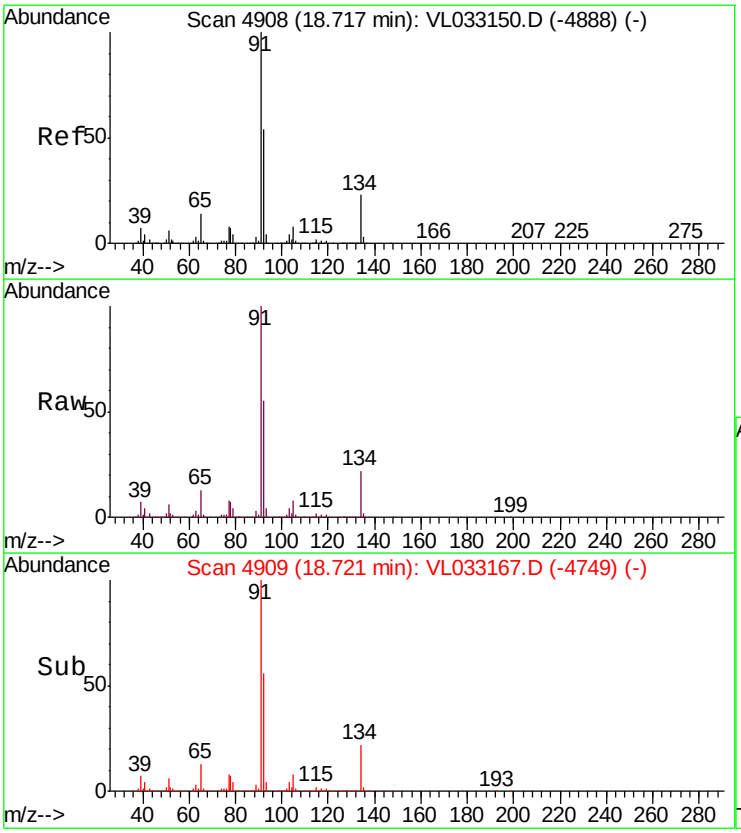
#69
p-Isopropyltoluene
Concen: 6.234 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion:119 Resp: 4188318

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	29.4	22.6	33.8

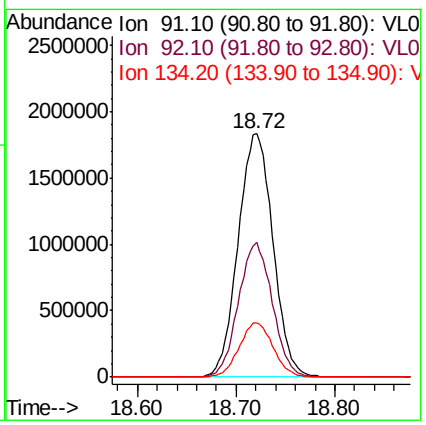


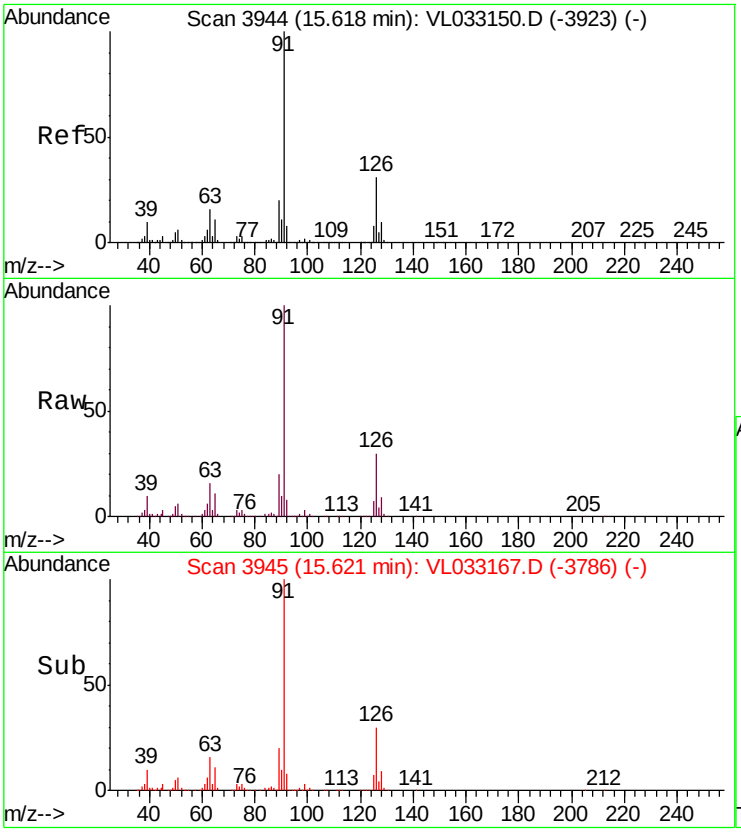


#70
n-Butylbenzene
Concen: 6.116 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion: 91 Resp: 4470673

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.7	65.5
134	21.8	18.4	27.6



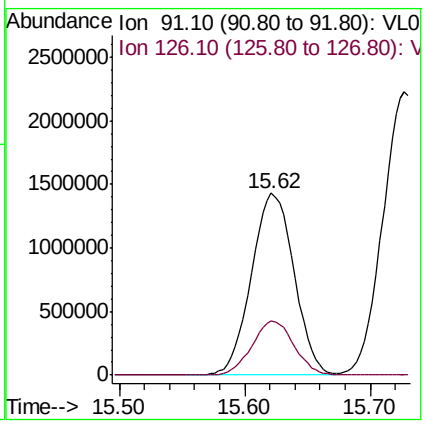


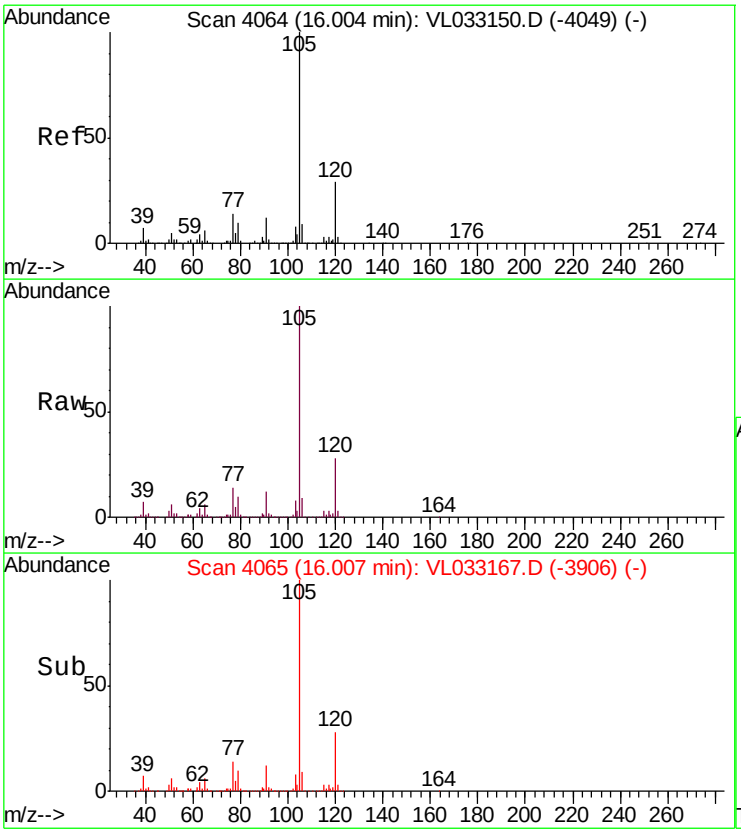
#71
2-Chlorotoluene
Concen: 6.757 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Tgt Ion: 91 Resp: 3396307

Ion	Ratio	Lower	Upper
91	100		
126	29.2	12.3	49.1

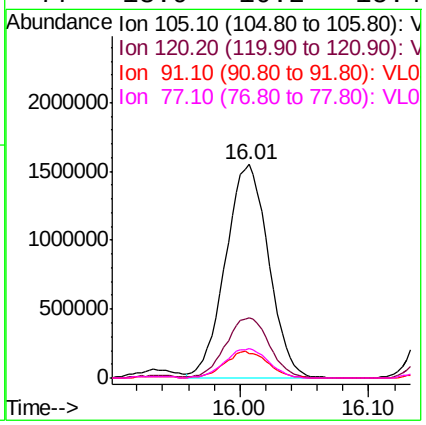


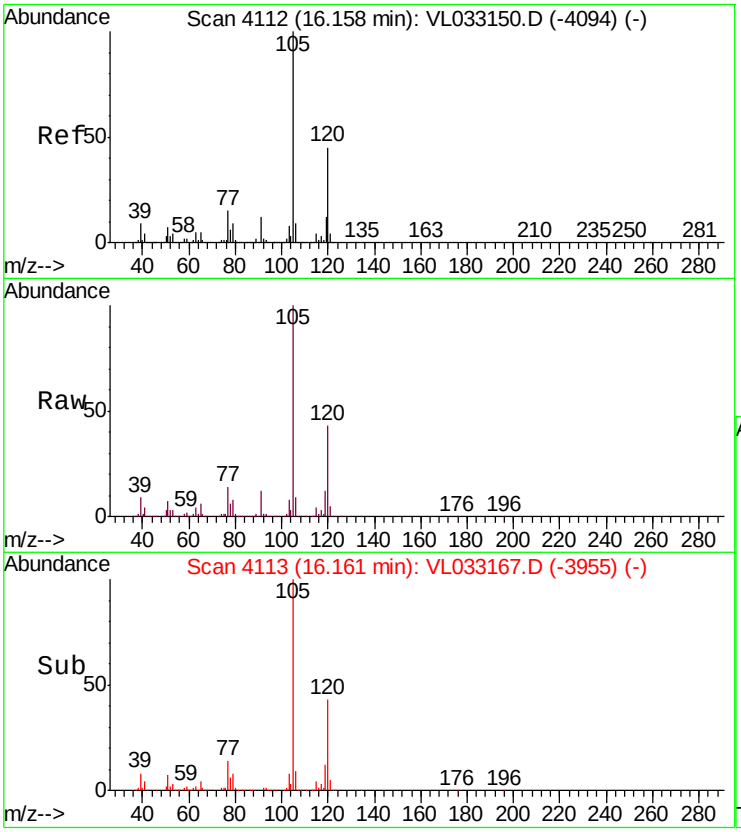


#72
4-Ethyltoluene
Concen: 6.754 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:105 Resp: 3585710

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.2	34.8
91	12.5	9.5	14.3
77	13.9	10.2	15.4



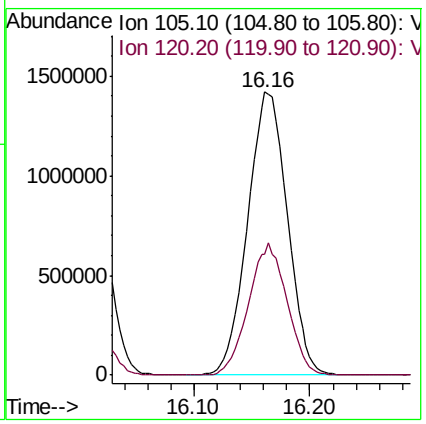


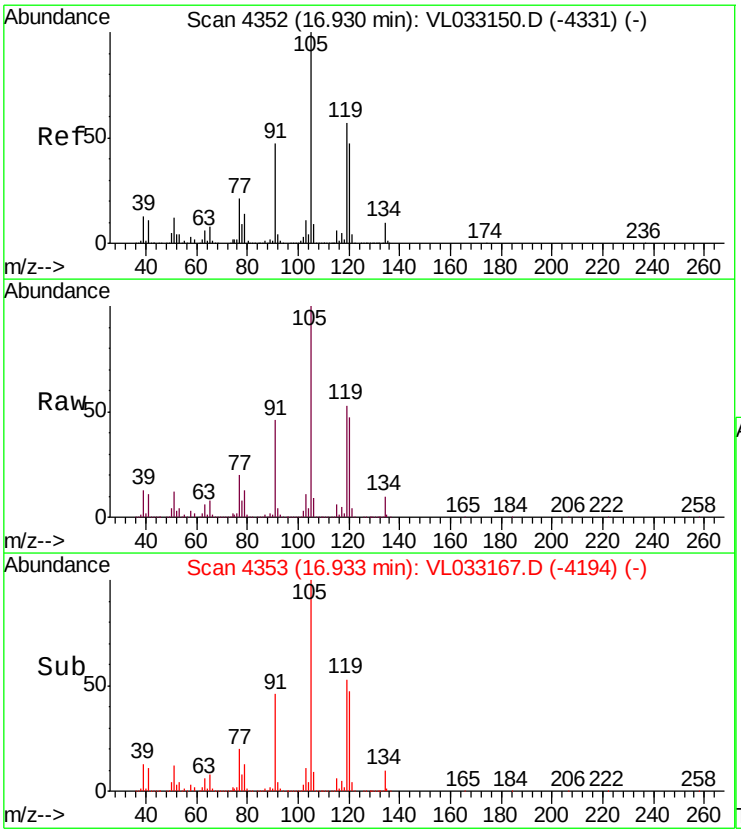
#73
1,3,5-Trimethylbenzene
Concen: 6.605 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 3380483

Ion	Ratio	Lower	Upper
105	100		
120	42.6	38.0	57.0

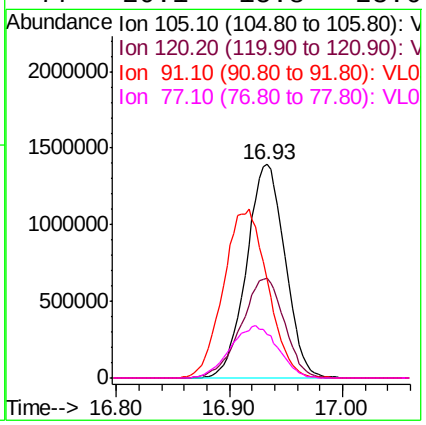


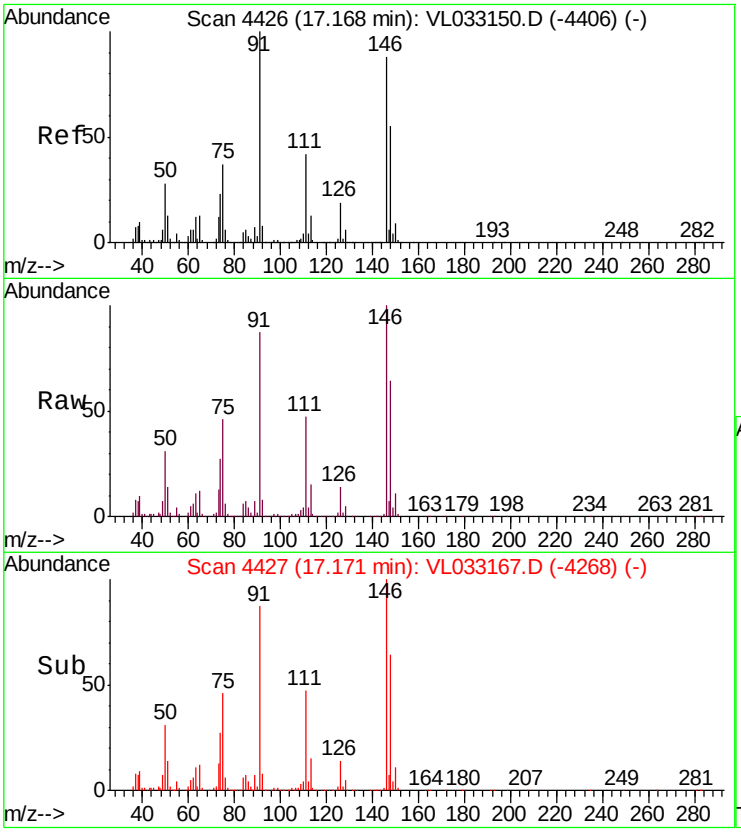


#74
1,2,4-Trimethylbenzene
Concen: 6.312 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:105 Resp: 3295115

Ion	Ratio	Lower	Upper
105	100		
120	46.5	38.2	57.4
91	46.2	35.0	52.4
77	20.1	15.8	23.6



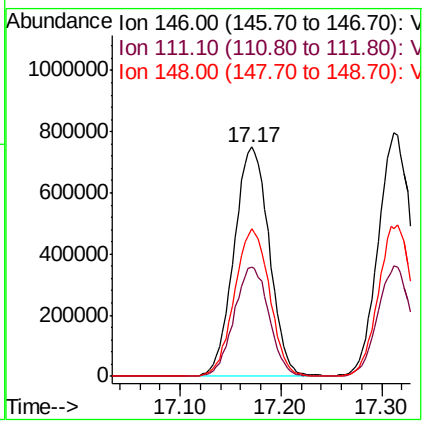


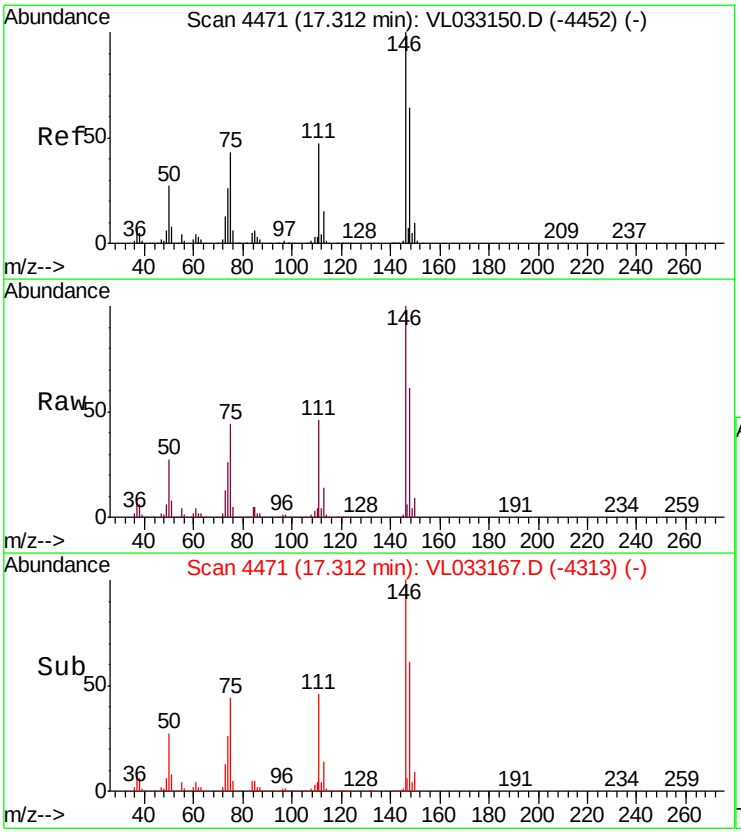
#75
1,3-Dichlorobenzene
Concen: 6.309 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1818211

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.0	72.0
148	64.0	31.9	95.7

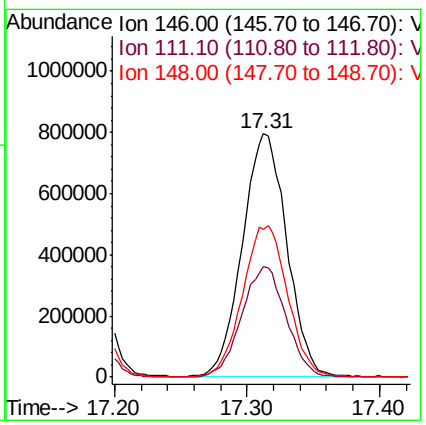


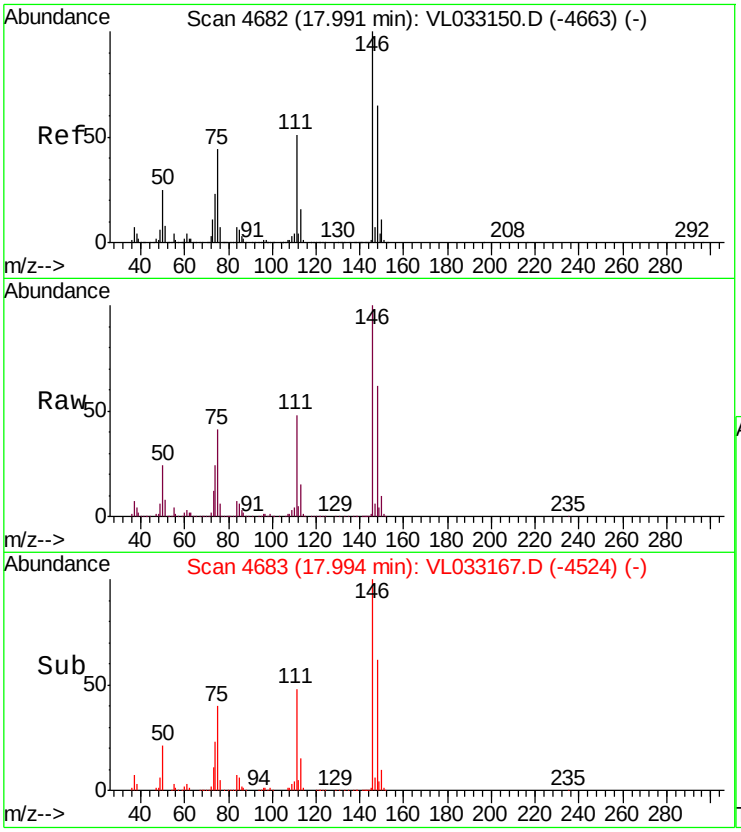


#76
1,4-Dichlorobenzene
Concen: 6.359 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:146 Resp: 1840970

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.4	70.0
148	63.5	31.9	95.9



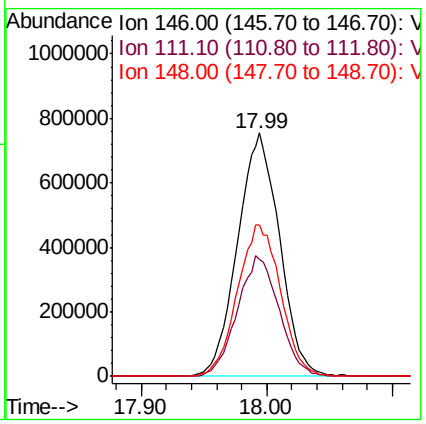


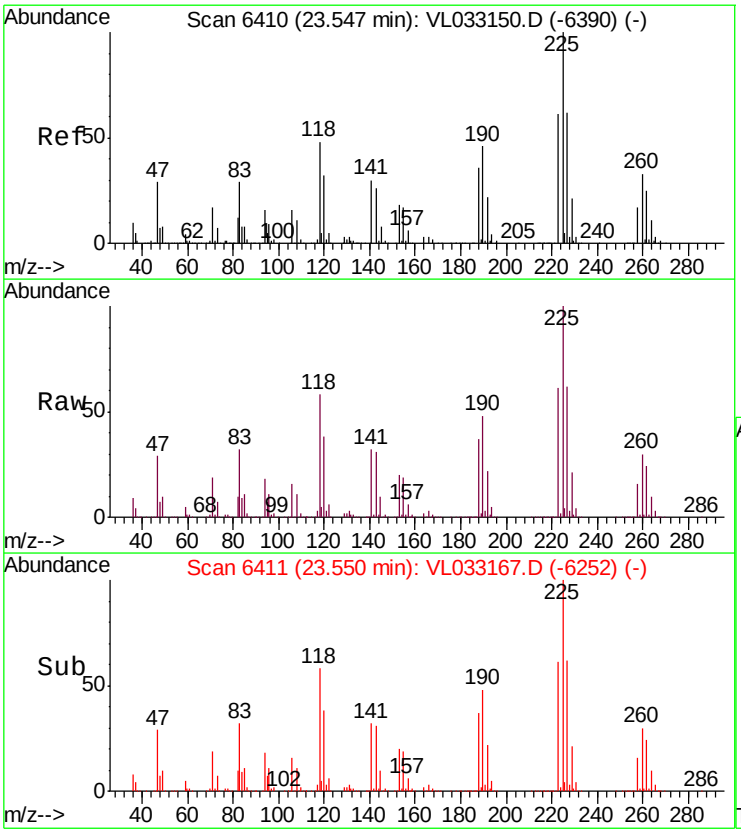
#77
1,2-Dichlorobenzene
Concen: 6.084 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:146 Resp: 1743972

Ion	Ratio	Lower	Upper
146	100		
111	49.4	25.1	75.3
148	64.4	32.0	96.2

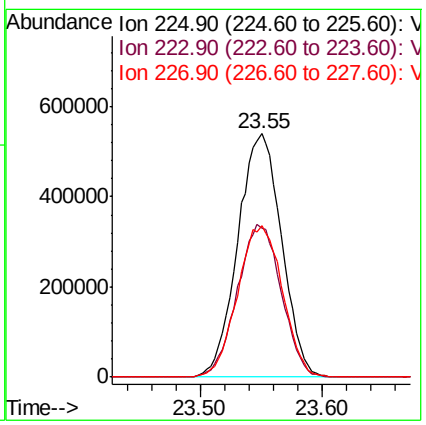


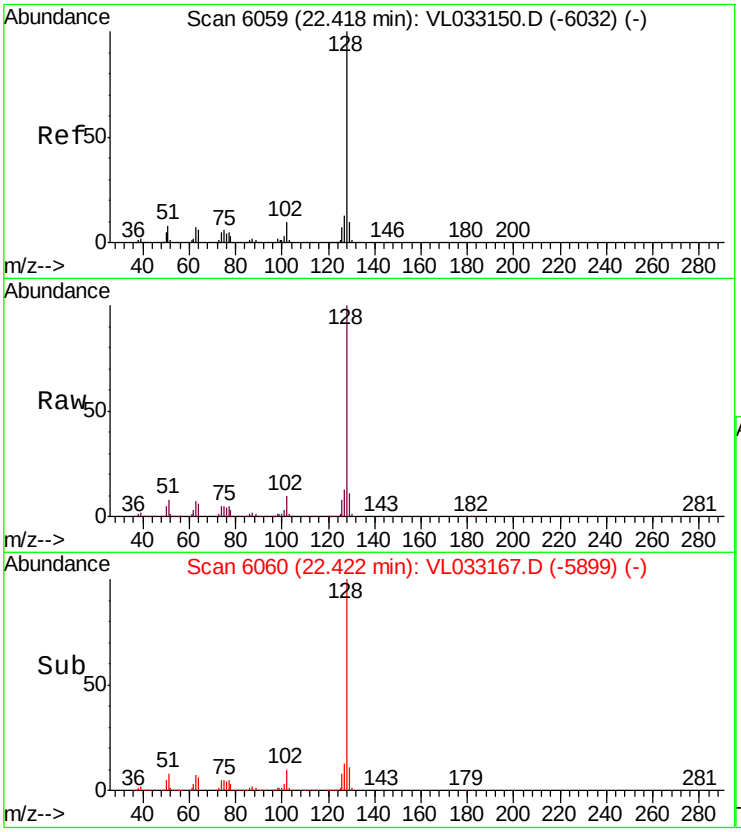


#78
Hexachloro-1,3-Butadiene
Concen: 9.395 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:225 Resp: 1339756

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.4
227	63.8	51.1	76.7



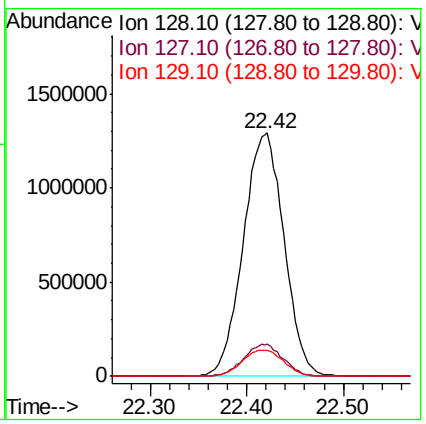


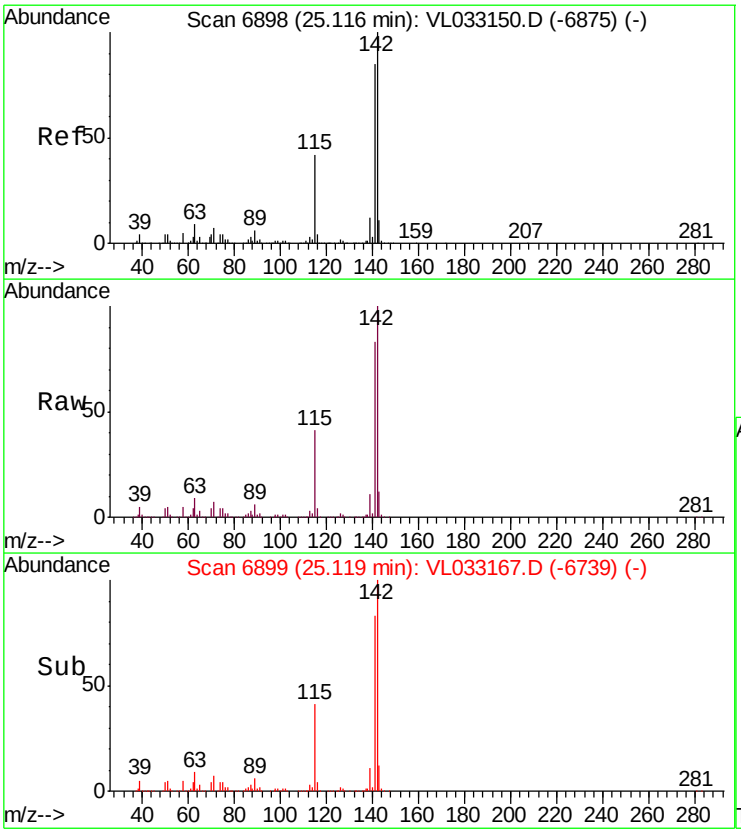
#79
Naphthalene
Concen: 6.167 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.02 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3770114

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.7	9.0	13.4

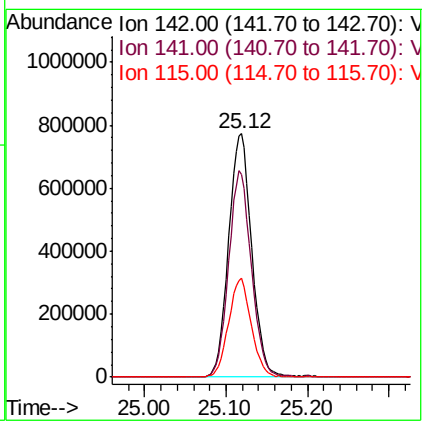


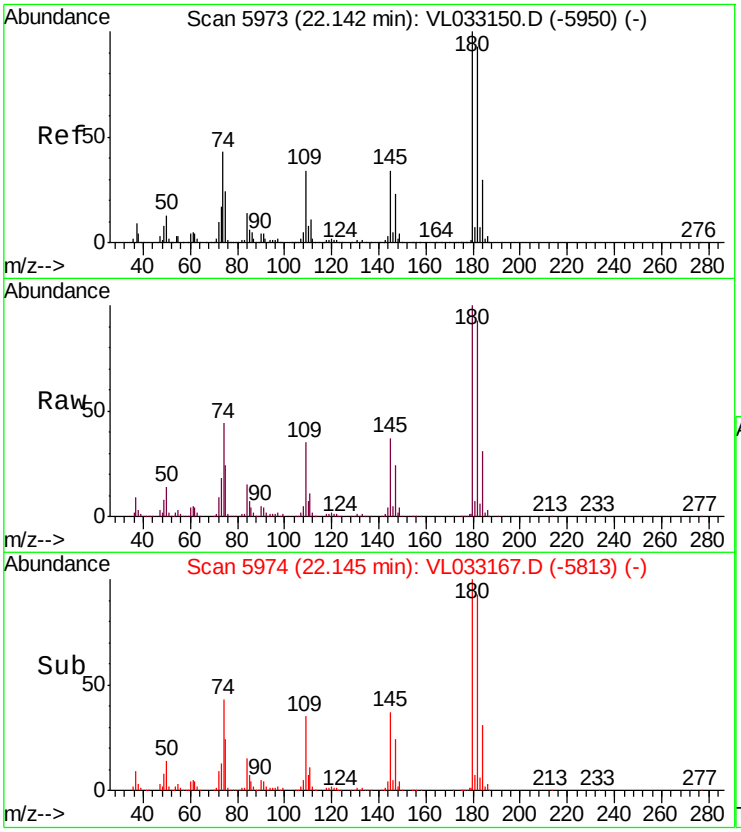


#80
Naphthalene,2-methyl-
Concen: 4.938 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Tgt Ion:142 Resp: 1538831

Ion	Ratio	Lower	Upper
142	100		
141	83.7	66.5	99.7
115	40.1	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 6.006 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. 0.02 min
Lab File: VL033167.D
Acq: 5 Feb 2019 4:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:180 Resp: 1663912

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.4
184	30.7	24.6	36.8