Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

Quantitation Report (Not Reviewed)

Data File : VL032378.D
Acq On : 16 Aug 2018 14:23
Operator : SY/AP
Sample : VSTDCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Aug 17 03:22:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1456354	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3223341	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3991305	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.65	95	2543265	8.35	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.11	85	1440465	12.417	ppbv	97
3) Chlorodifluoromethane	3.05	51	1290910	9.568	ppbv	96
4) Chloromethane	3.21	50	729650	9.088	ppbv	99
5) Vinyl Chloride	3.33	62	729288	9.529	ppbv	97
6) Bromomethane	3.55	94	432096	10.530	ppbv	97
7) Chloroethane	3.64	64	269321	10.035	ppbv	98
8) Dichlorotetrafluoroethane	3.26	85	1568217	9.529	ppbv	99
9) Propene	3.07	41	571762	9.903	ppbv	100
10) Heptane	8.31	43	1868617	10.745	ppbv	98
11) Trichlorofluoromethane	4.05	101	1605058	9.854	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1048171	9.556	ppbv	99
13) Ethanol	3.69	45	173601	11.707	ppbv	99
14) Bromoethene	3.83	108	490783	10.346	ppbv	99
15) Acetone	3.95	43	1244794	8.996	ppbv	97
16) 1,3-Butadiene	3.40	39	608242	10.647	ppbv	88
17) tert-Butyl alcohol	4.41	59	259080	11.159	ppbv	99
18) 1,1-Dichloroethene	4.40	96	510210	9.983	ppbv	97
19) Isopropyl Alcohol	4.06	45	1015007	10.894	ppbv	99
20) Methylene Chloride	4.46	84	455411	8.715	ppbv	97
21) Allyl Chloride	4.52	41	924768	10.589	ppbv	93
22) trans-1,2-Dichloroethene	5.01	96	522661	10.141	ppbv	98
23) Vinyl Acetate	5.21	43	2461570	10.302	ppbv	98
24) 1,1-Dichloroethane	5.14	63	1694237	9.821	ppbv	100
25) Ethyl Acetate	5.82	43	2946560	9.937	ppbv	100
26) Hexane	5.83	57	1346911	10.189	ppbv	99
27) Carbon Disulfide	4.67	76	1331835	10.794	ppbv	98
28) Methyl tert-Butyl Ether	5.16	73	2031104	11.578	ppbv	98
29) Chloroform	5.90	83	2183358	11.270	ppbv	98
30) Cyclohexane	7.31	84	1135259	11.274	ppbv	97
31) cis-1,2-Dichloroethene	5.69	61	1259336	9.737	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2127646	11.285	ppbv	99
34) 2-Butanone	5.38	43	1808195	8.242	ppbv	100
35) Carbon Tetrachloride	7.20	117	2113973	11.123	ppbv	98
36) Benzene	7.06	78	2895906	10.597	ppbv	100
37) 1,2-Dichloroethane	6.47	62	1573004	9.487	ppbv	98
38) Trichloroethene	8.02	130	987646	10.304	ppbv	99
39) 1,2-Dichloropropane	7.80	63	1116696	9.783	ppbv	99
40) 1,4-Dioxane	8.02	88	385502	11.117	ppbv	94
41) Tetrahydrofuran	6.20	42	1257986	10.681	ppbv	98
42) Bromodichloromethane	7.98	83	2345076	10.802	ppbv	96
43) Methyl Methacrylate	8.20	69	1191093	10.939	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

Quantitation Report (Not Reviewed)

Data File : VL032378.D
Acq On : 16 Aug 2018 14:23
Operator : SY/AP
Sample : VSTDCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Aug 17 03:22:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	5012289	10.172	ppbv		99
45) t-1,3-Dichloropropene	9.48	75	1711481	12.427	ppbv		95
46) cis-1,3-Dichloropropene	8.90	75	1987052	12.031	ppbv		96
47) 1,1,2-Trichloroethane	9.68	97	1233679	9.819	ppbv		96
48) Dibromochloromethane	10.52	129	1857105	11.057	ppbv		99
49) Bromoform	13.27	173	1483389	10.632	ppbv		100
50) 4-Methyl-2-Pentanone	8.93	43	3269203	10.319	ppbv		100
51) 2-Hexanone	10.33	43	2682306	12.056	ppbv	#	99
52) Tetrachloroethene	11.44	164	851281	10.563	ppbv		95
53) Toluene	10.01	91	3488547	11.645	ppbv		99
54) 1,2-Dibromoethane	10.83	107	1724796	10.688	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.34	131	1288997	7.807	ppbv		99
57) Chlorobenzene	12.37	112	2278849	7.585	ppbv		99
58) Ethyl Benzene	12.93	91	4269769	8.891	ppbv		99
59) m/p-Xylene	13.22	91	2931274	7.186	ppbv	#	10
60) o-Xylene	13.92	91	3344750	8.342	ppbv		98
61) Styrene	13.76	104	2601303	9.283	ppbv		99
62) Isopropylbenzene	14.89	105	4754023	8.330	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2450721	7.269	ppbv		99
64) n-propylbenzene	15.79	120	1223717	8.284	ppbv		93
65) tert-Butylbenzene	16.98	119	3956768	8.116	ppbv		99
66) Benzyl Chloride	17.22	91	2673810	9.263	ppbv		99
67) sec-Butylbenzene	17.53	105	5950398	8.208	ppbv		99
69) p-Isopropyltoluene	17.88	119	4731205	8.527	ppbv		99
70) n-Butylbenzene	18.78	91	5200035	8.548	ppbv		99
71) 2-Chlorotoluene	15.68	91	3829664	8.670	ppbv		99
72) 4-Ethyltoluene	16.07	105	3971773	8.881	ppbv		99
73) 1,3,5-Trimethylbenzene	16.22	105	3779564	8.787	ppbv		100
74) 1,2,4-Trimethylbenzene	17.00	105	3728334	8.146	ppbv		94
75) 1,3-Dichlorobenzene	17.24	146	2080013	7.562	ppbv		100
76) 1,4-Dichlorobenzene	17.38	146	2091702	8.029	ppbv		99
77) 1,2-Dichlorobenzene	18.05	146	2046647	7.788	ppbv		99
78) Hexachloro-1,3-Butadiene	23.61	225	1294479	14.674	ppbv		100
79) Naphthalene	22.49	128	3655844	8.589	ppbv		99
80) Naphthalene,2-methyl-	25.16	142	1541116	16.877	ppbv		99
81) 1,2,4-Trichlorobenzene	22.21	180	1719526	9.715	ppbv		100

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

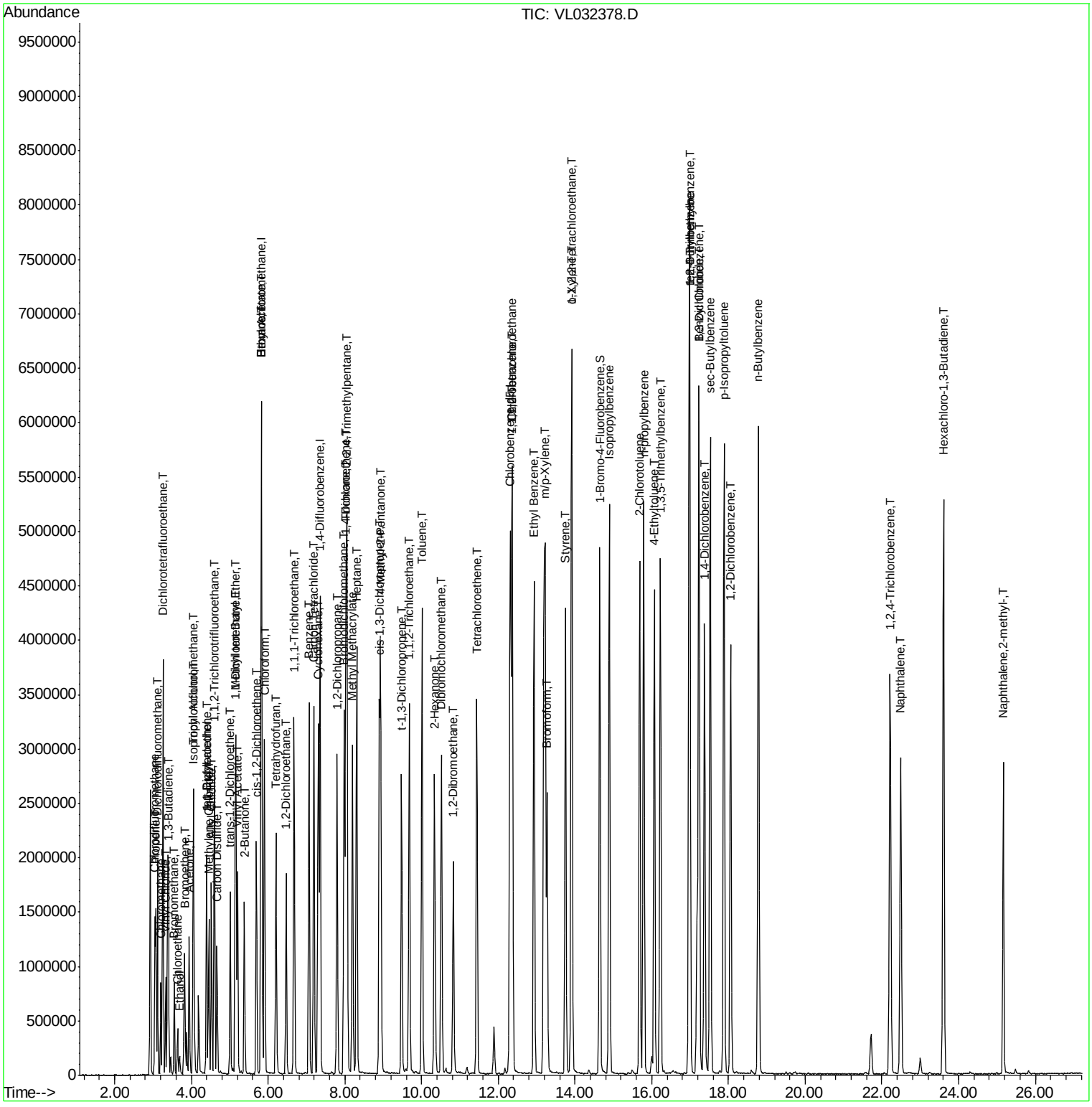
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\

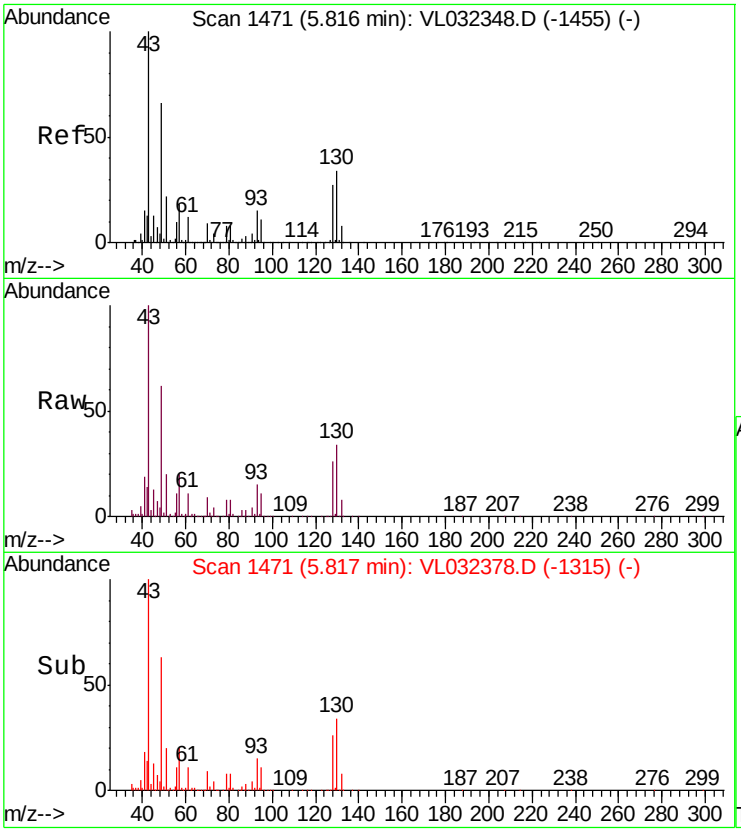
Quantitation Report (Not Reviewed)

Data File : VL032378.D
Acq On : 16 Aug 2018 14:23
Operator : SY/AP
Sample : VSTDCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 17 03:22:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration



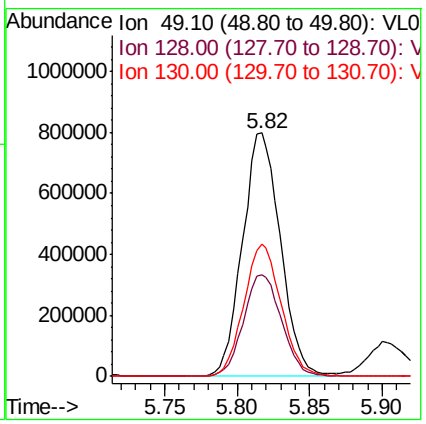


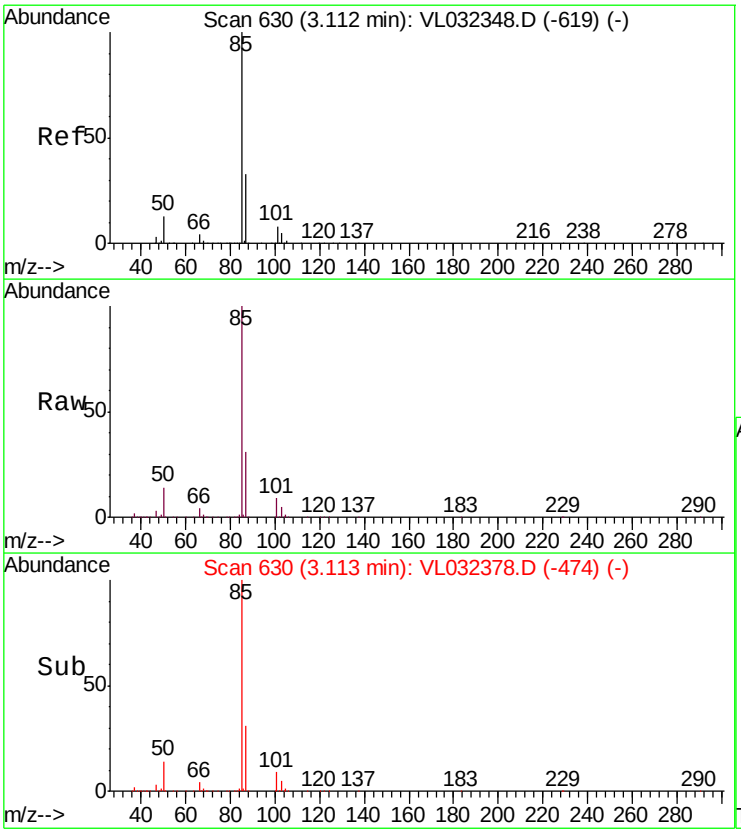
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1456354

Ion	Ratio	Lower	Upper
49	100		
128	42.3	20.5	61.6
130	53.7	26.2	78.5

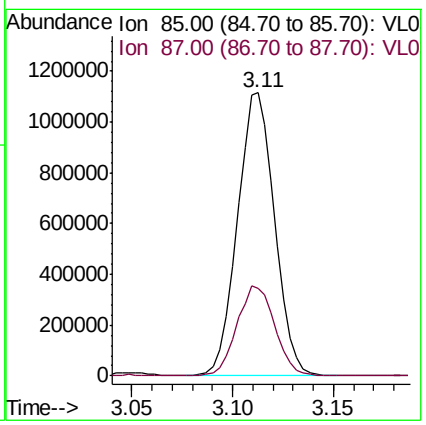


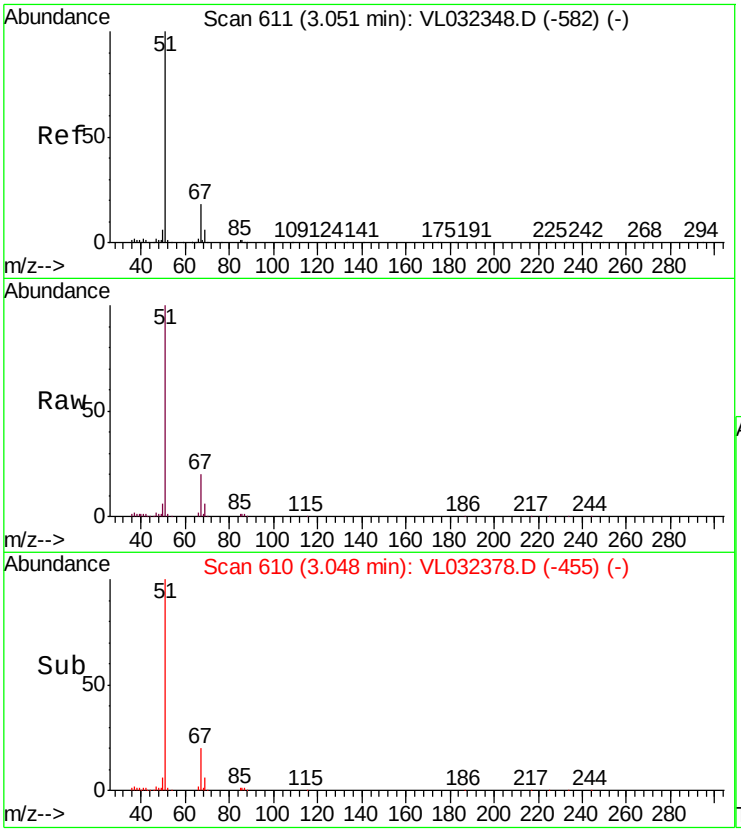


#2
Dichlorodifluoromethane
Concen: 12.417 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 85 Resp: 1440465

Ion	Ratio	Lower	Upper
85	100		
87	31.1	26.3	39.5



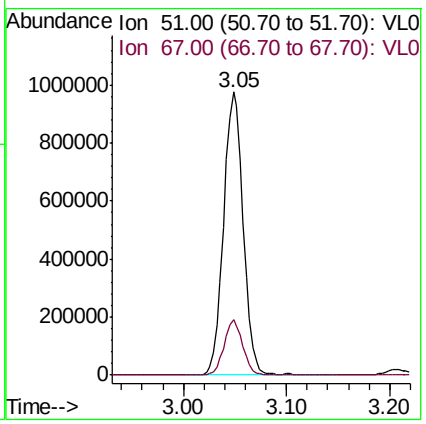


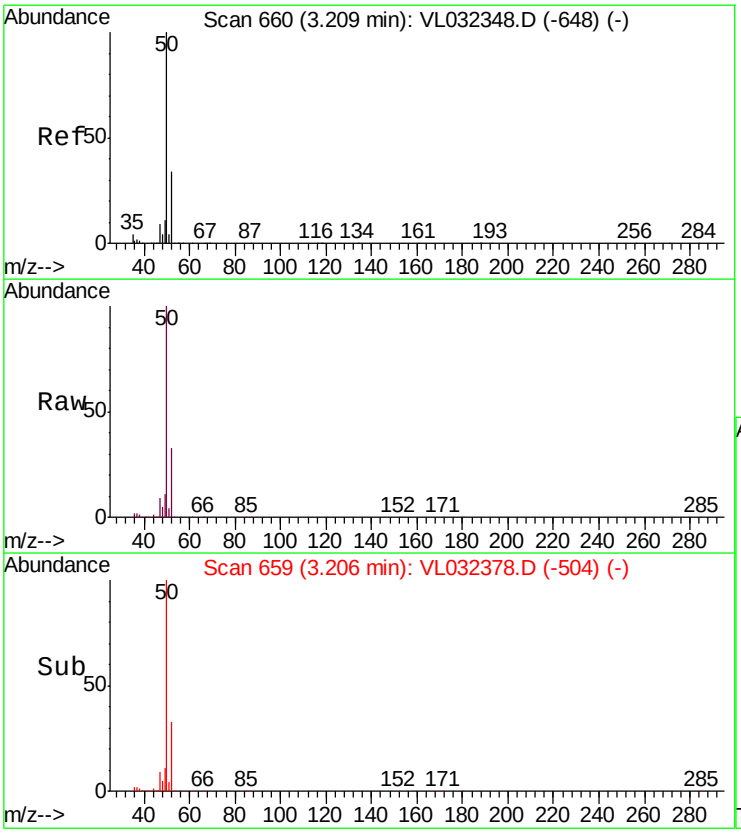
#3
Chlorodifluoromethane
Concen: 9.568 ppbv
RT: 3.05 min Scan# 610
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1290910

Ion	Ratio	Lower	Upper
51	100		
67	18.7	13.7	20.5

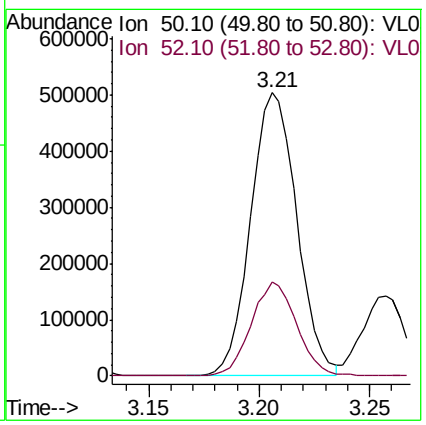


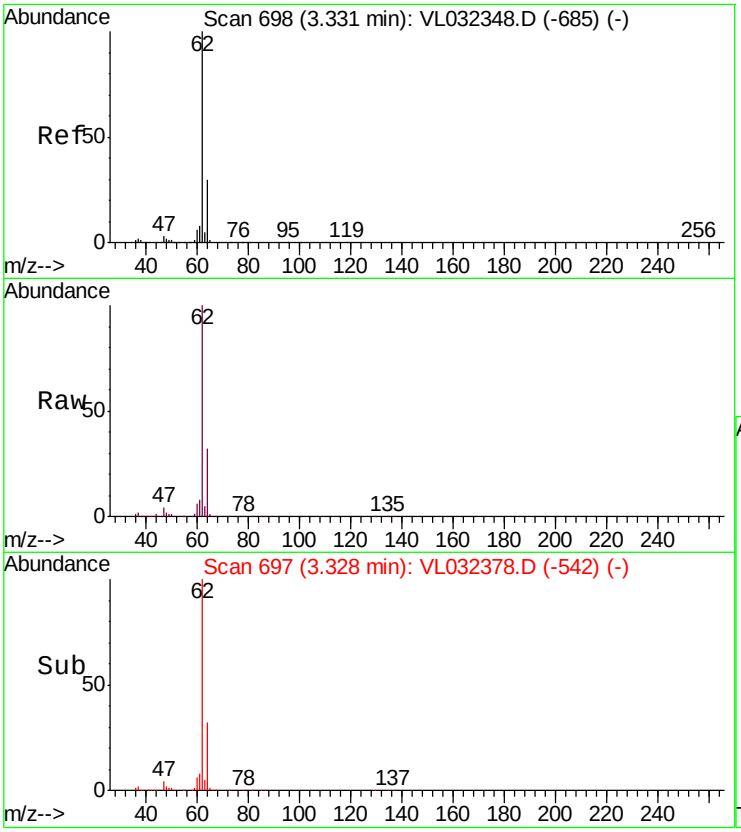


#4
Chloromethane
Concen: 9.088 ppbv
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 50 Resp: 729650

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.8	40.2



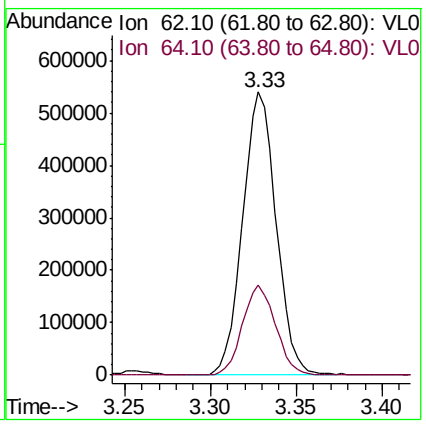


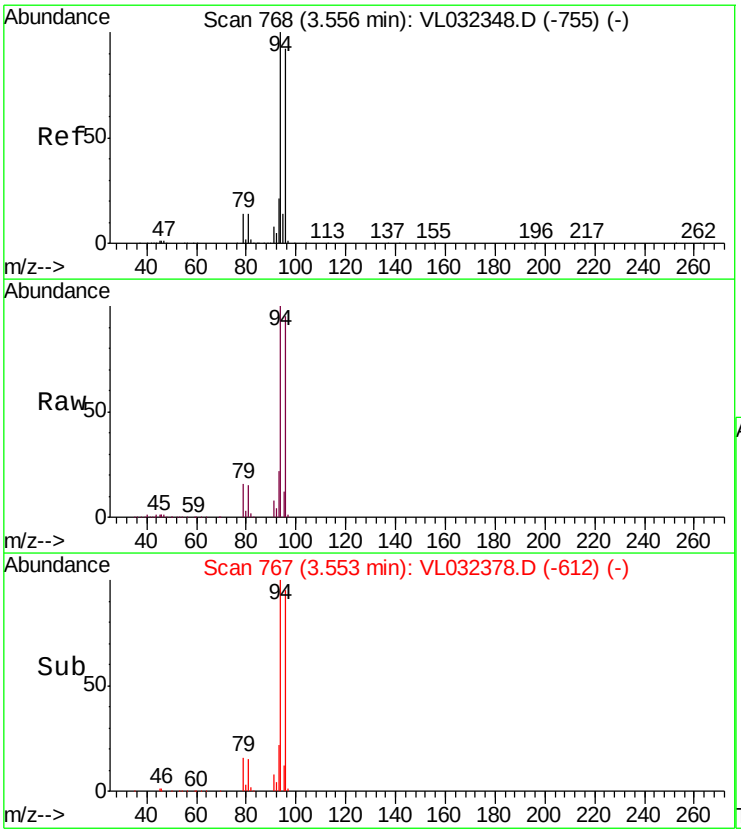
#5
Vinyl Chloride
Concen: 9.529 ppbv
RT: 3.33 min Scan# 697
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 729288

Ion	Ratio	Lower	Upper
62	100		
64	31.7	24.2	36.2

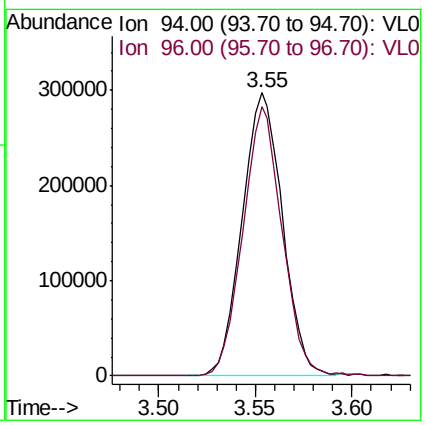


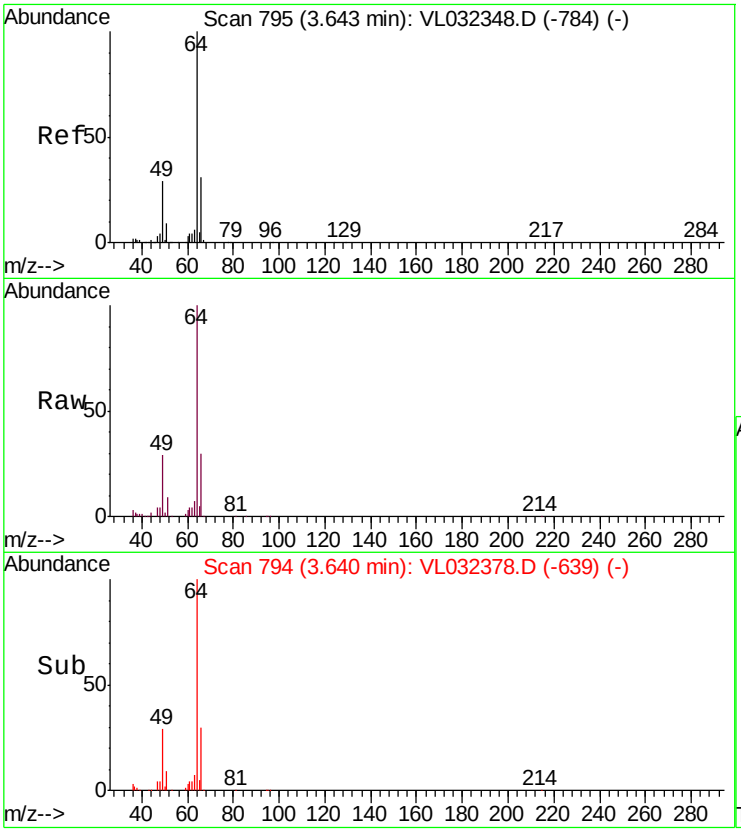


#6
Bromomethane
Concen: 10.530 ppbv
RT: 3.55 min Scan# 767
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 94 Resp: 432096

Ion	Ratio	Lower	Upper
94	100		
96	95.2	73.7	110.5



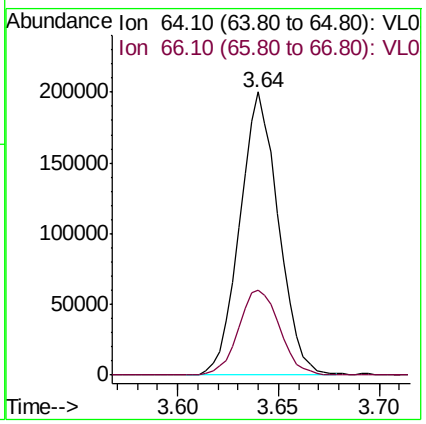


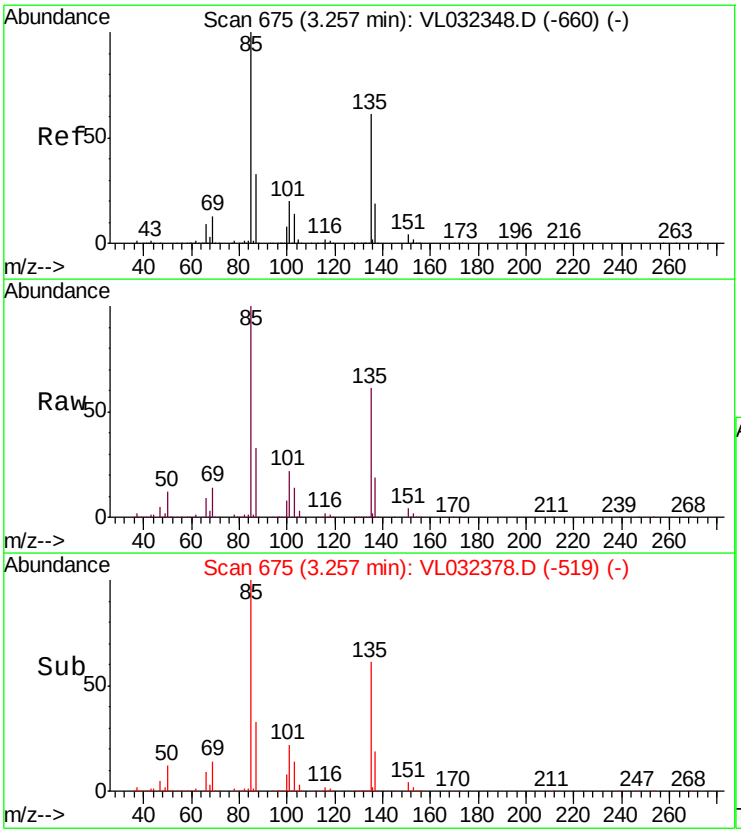
#7
Chloroethane
Concen: 10.035 ppbv
RT: 3.64 min Scan# 794
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 64 Resp: 269321

Ion	Ratio	Lower	Upper
64	100		
66	29.8	24.6	36.8

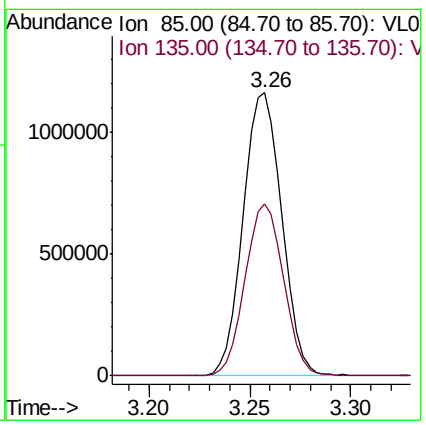


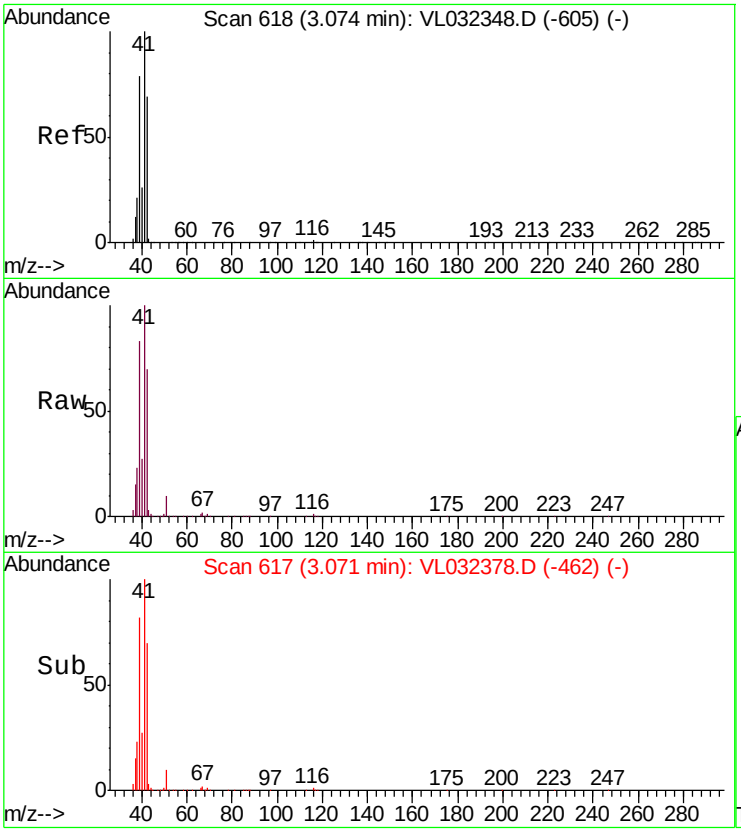


#8
Dichlorotetrafluoroethane
Concen: 9.529 ppbv
RT: 3.26 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 85 Resp: 1568217

Ion	Ratio	Lower	Upper
85	100		
135	60.6	49.0	73.6



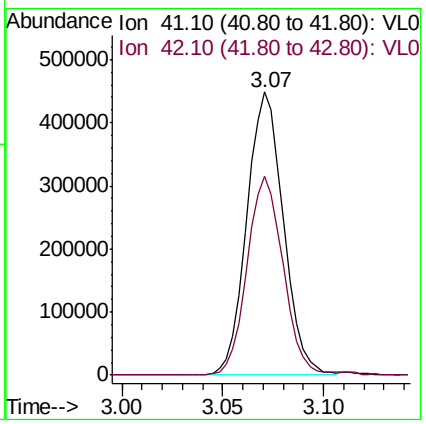


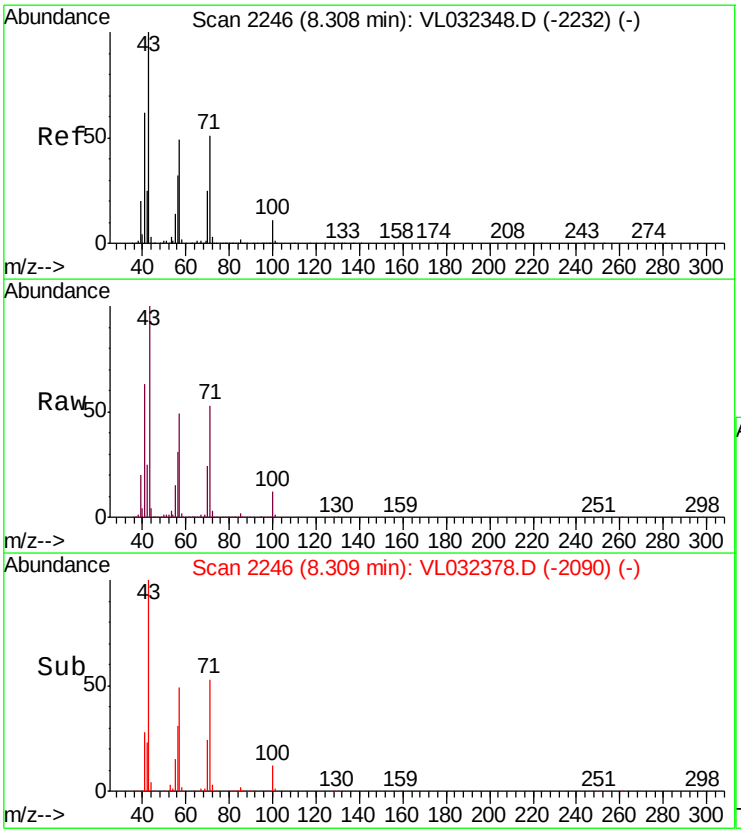
#9
Propene
Concen: 9.903 ppbv
RT: 3.07 min Scan# 617
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 571762

Ion	Ratio	Lower	Upper
41	100		
42	69.9	55.9	83.9

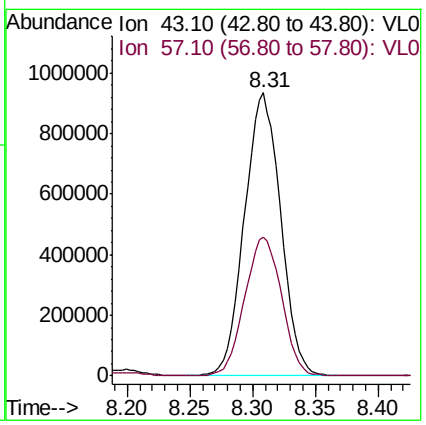


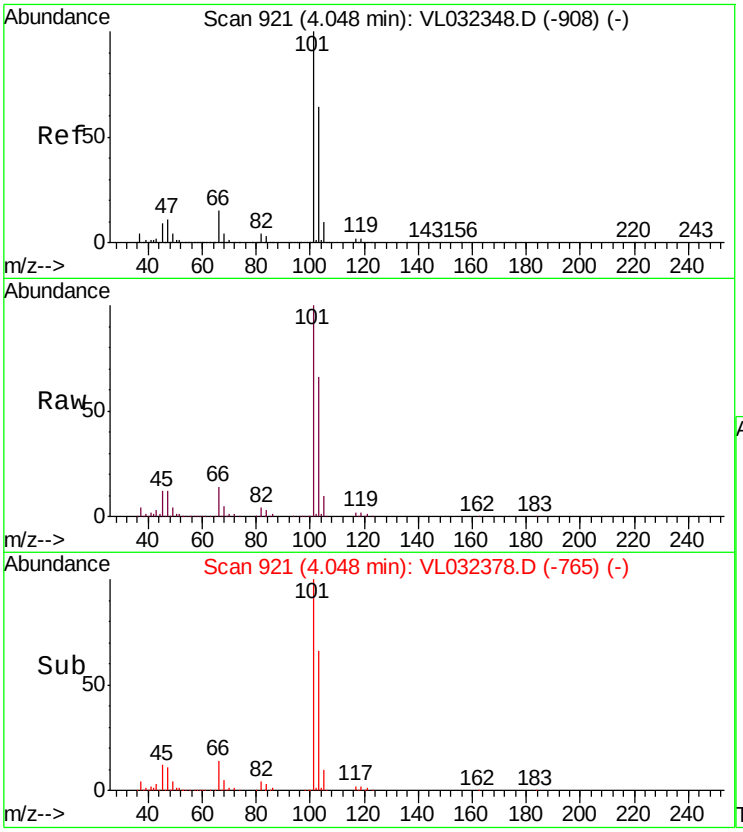


#10
Heptane
Concen: 10.745 ppbv
RT: 8.31 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 43 Resp: 1868617

Ion	Ratio	Lower	Upper
43	100		
57	50.5	39.5	59.3



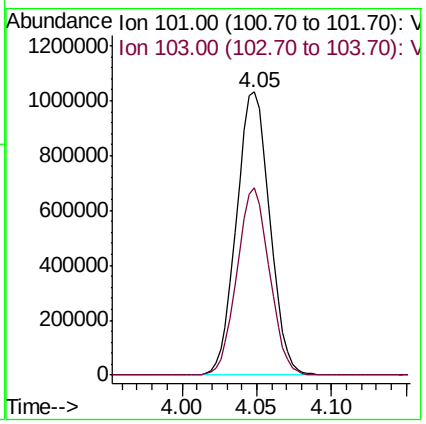


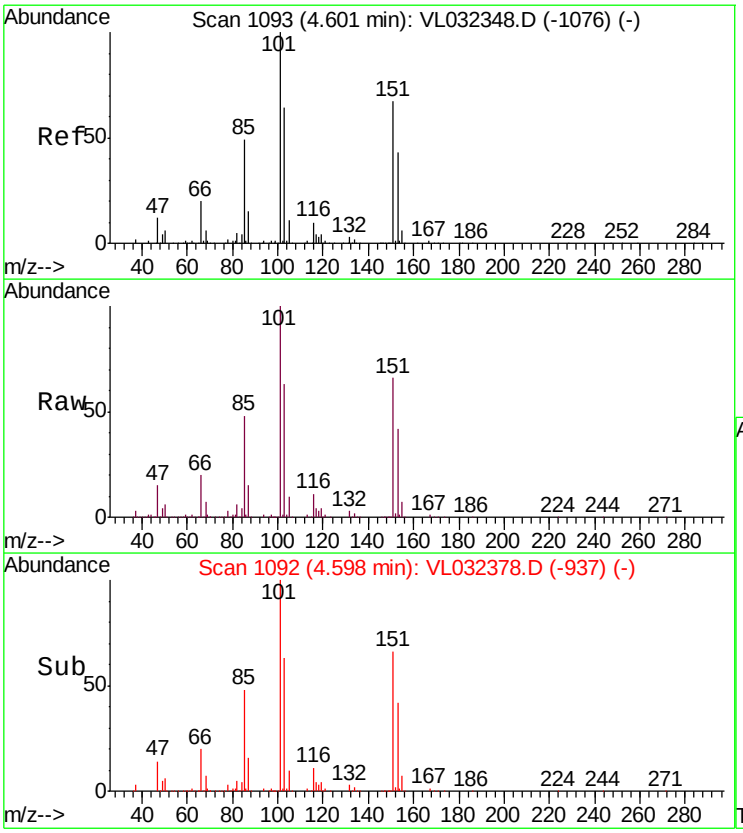
#11
Trichlorofluoromethane
Concen: 9.854 ppbv
RT: 4.05 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1605058

Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.4	77.0

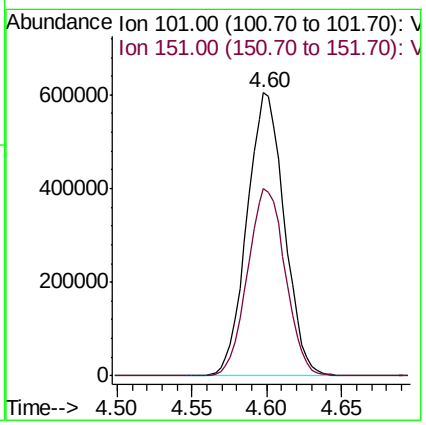


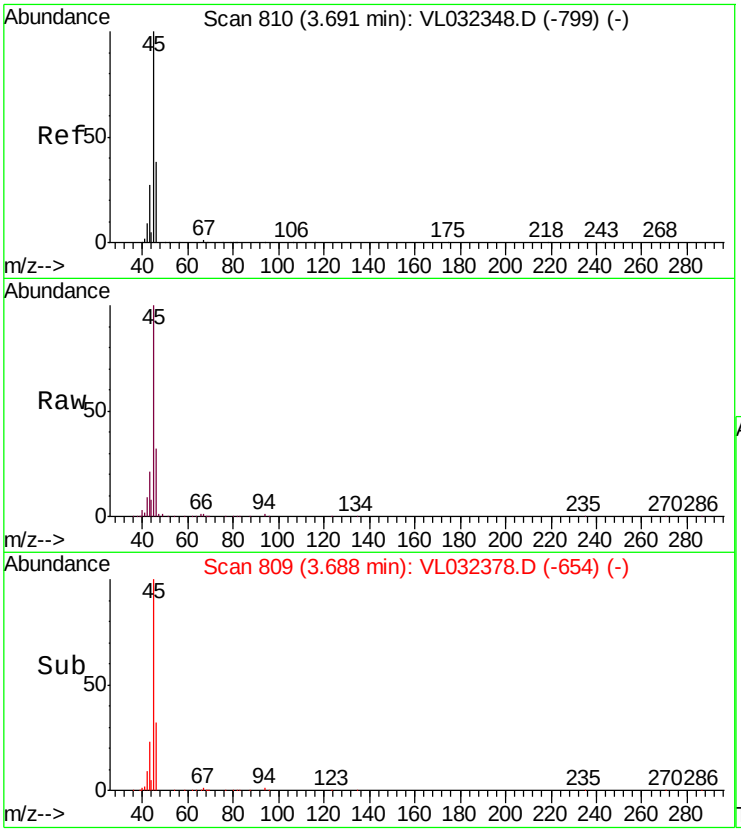


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.556 ppbv
RT: 4.60 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:101 Resp: 1048171

Ion	Ratio	Lower	Upper
101	100		
151	67.2	53.1	79.7

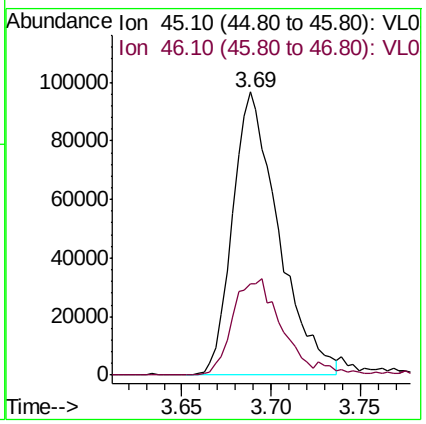




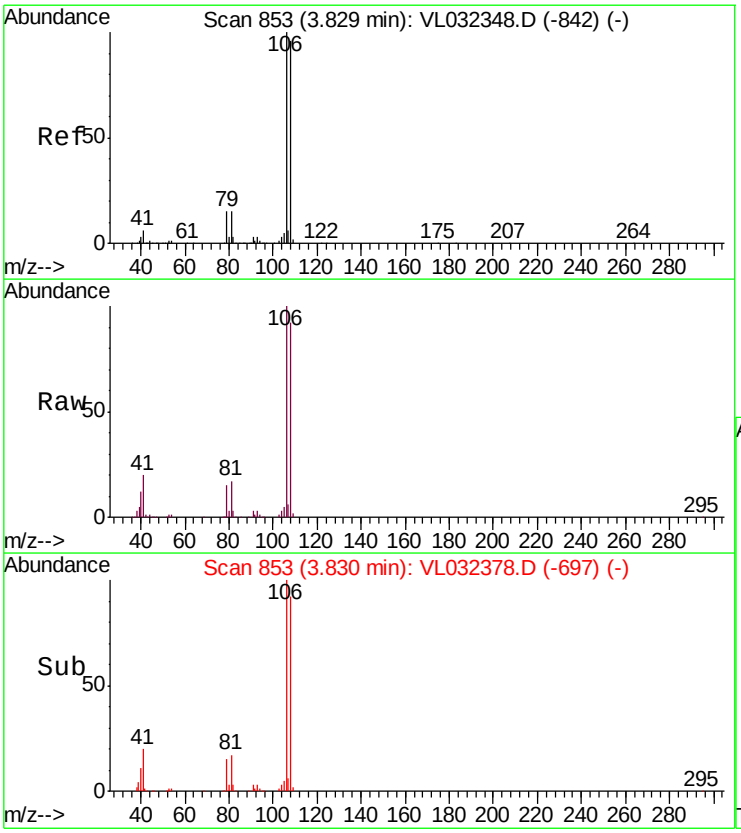
#13
Ethanol
Concen: 11.707 ppbv
RT: 3.69 min Scan# 809
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 45 Resp: 173601

Ion	Ratio	Lower	Upper
45	100		
46	38.3	15.6	62.4



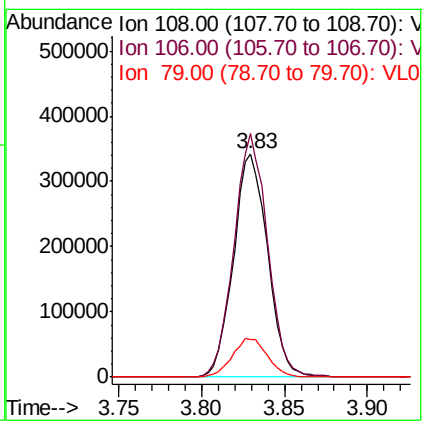
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

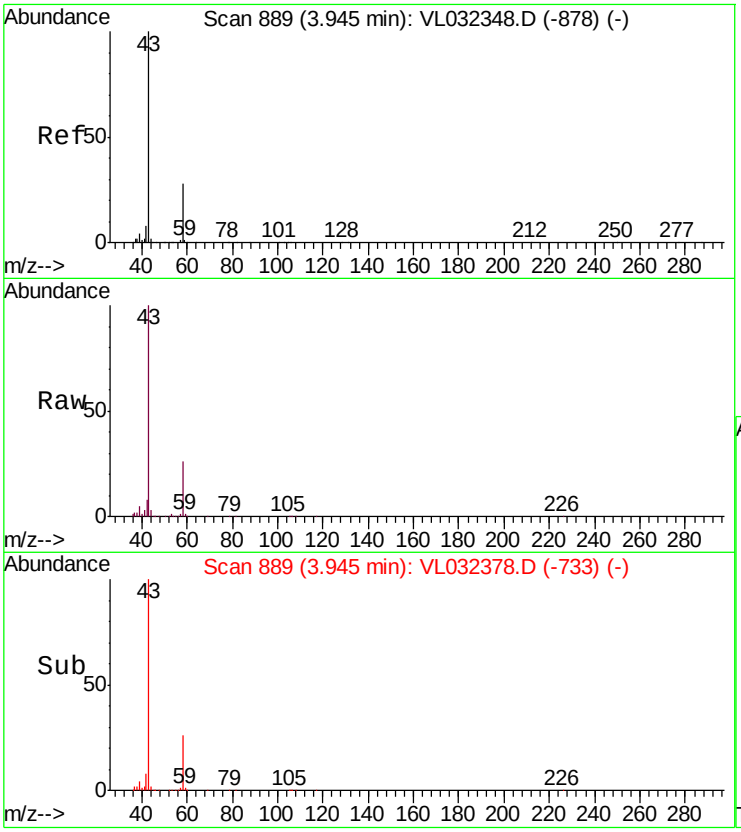


#14
Bromoethene
Concen: 10.346 ppbv
RT: 3.83 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:108 Resp: 490783

Ion	Ratio	Lower	Upper
108	100		
106	107.4	85.7	128.5
79	18.1	13.1	19.7



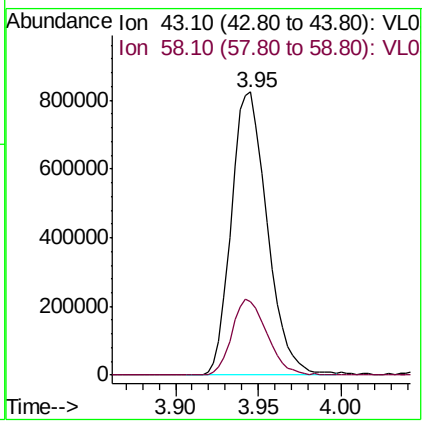


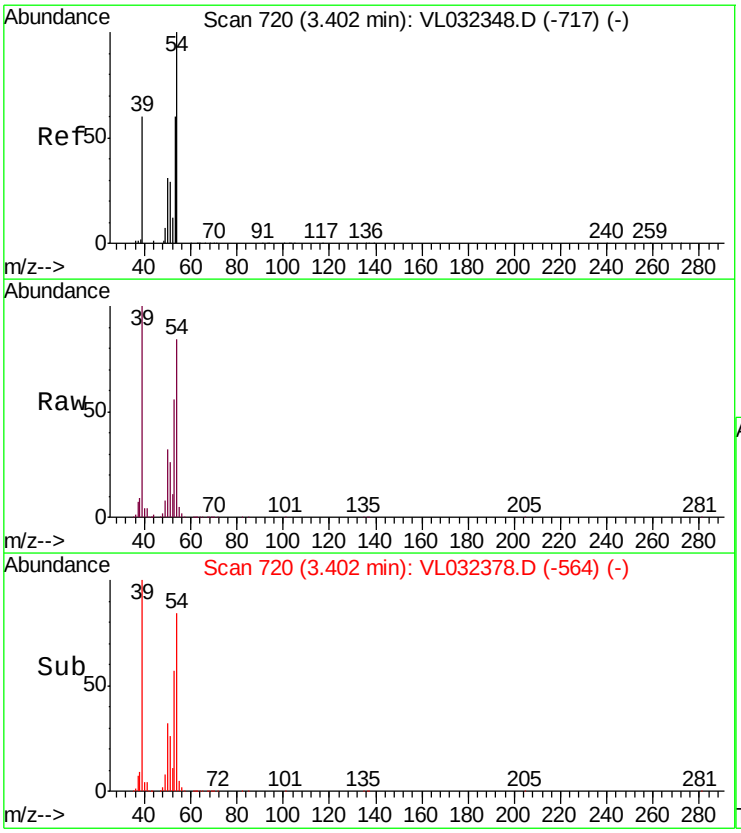
#15
Acetone
Concen: 8.996 ppbv
RT: 3.95 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1244794

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.4	33.6

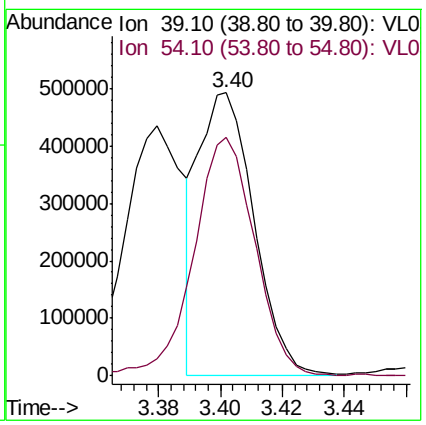


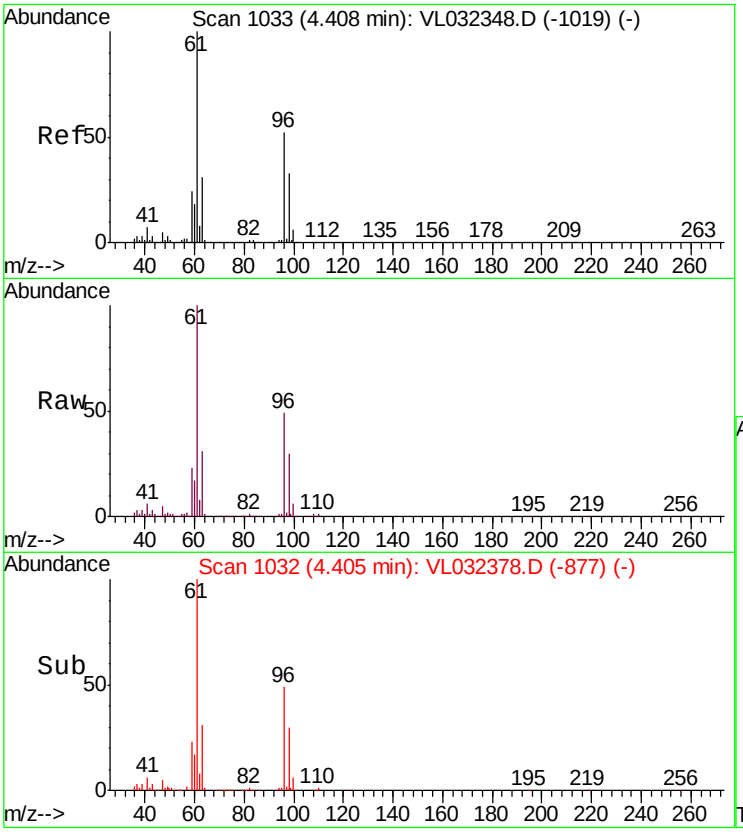


#16
1,3-Butadiene
Concen: 10.647 ppbv
RT: 3.40 min Scan# 720
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 39 Resp: 608242

Ion	Ratio	Lower	Upper
39	100		
54	94.5	85.5	128.3



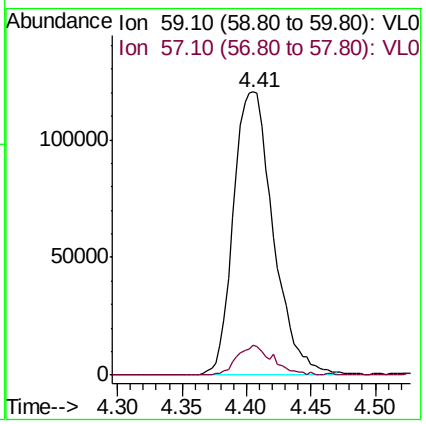


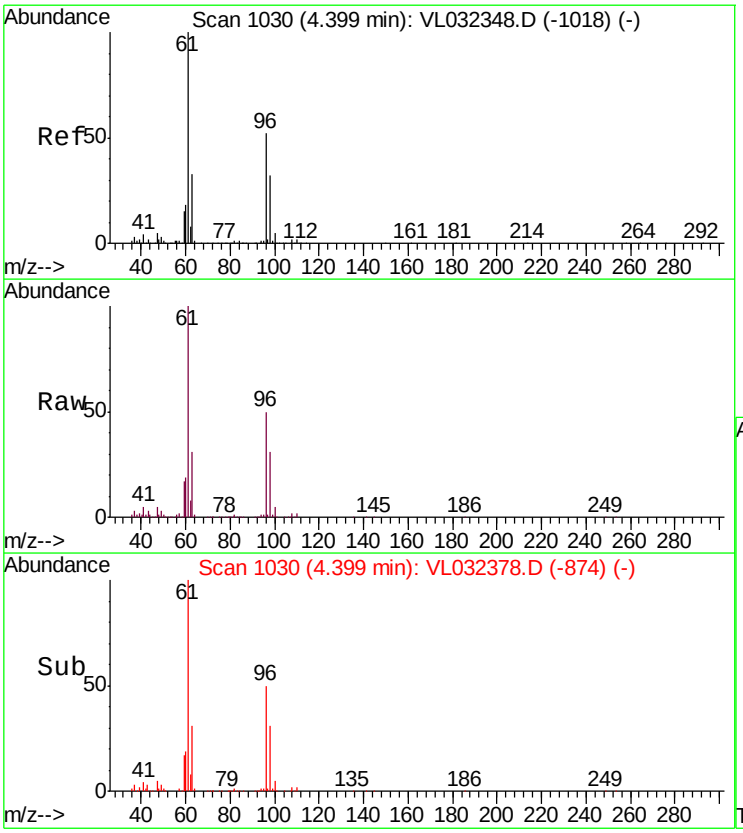
#17
tert-Butyl alcohol
Concen: 11.159 ppbv
RT: 4.41 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 259080

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.6	11.4

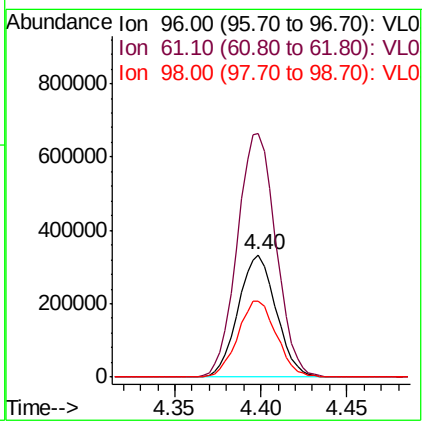


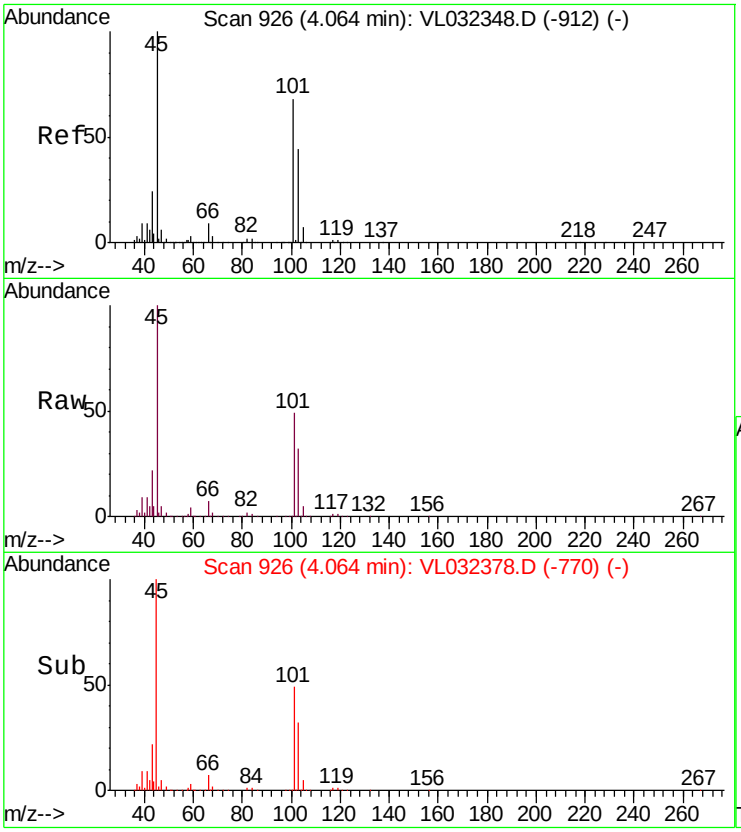


#18
1,1-Dichloroethene
Concen: 9.983 ppbv
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 96 Resp: 510210

Ion	Ratio	Lower	Upper
96	100		
61	199.6	154.6	231.8
98	61.9	50.1	75.1



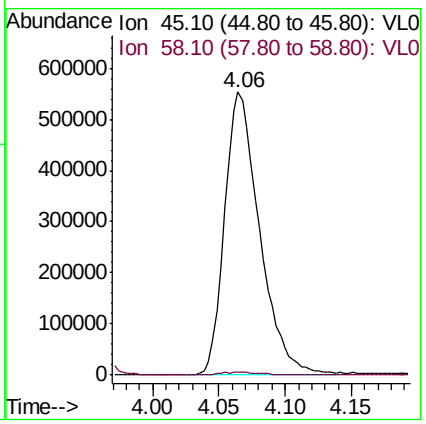


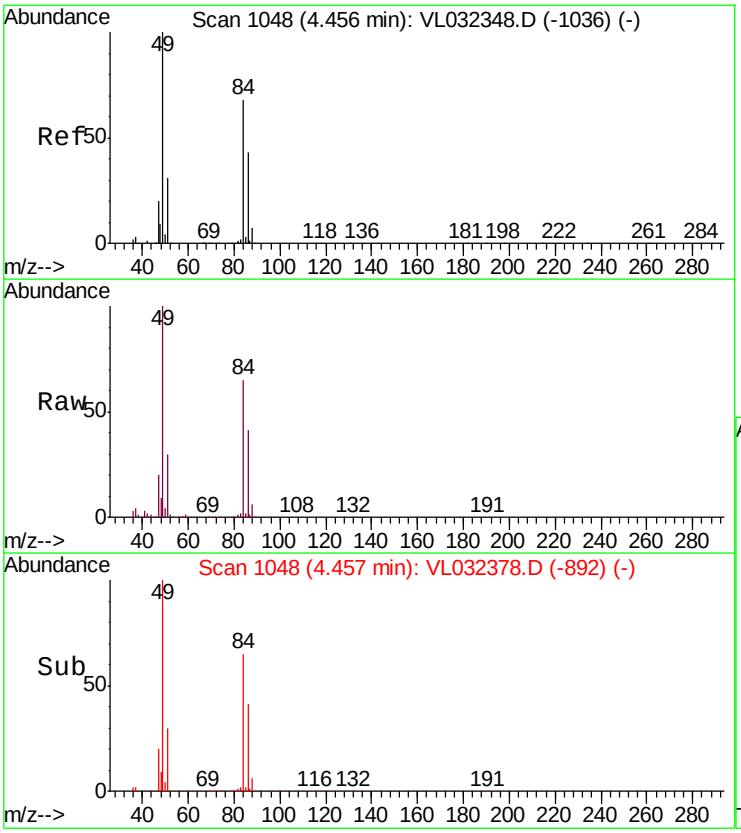
#19
Isopropyl Alcohol
Concen: 10.894 ppbv
RT: 4.06 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 1015007

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.4	2.0

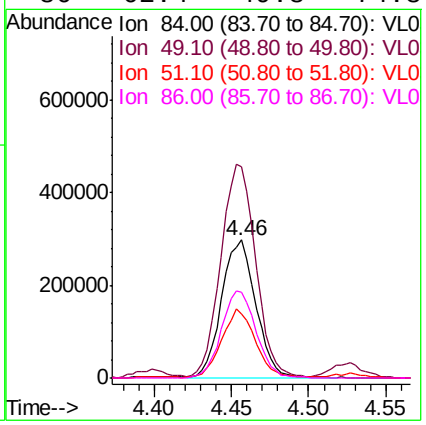


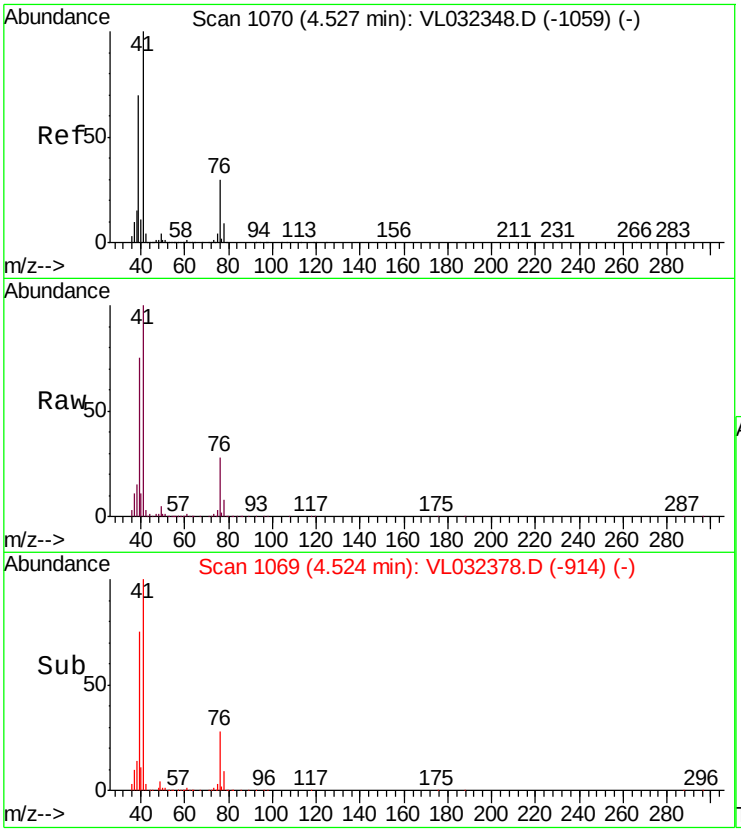


#20
Methylene Chloride
Concen: 8.715 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 84 Resp: 455411

Ion	Ratio	Lower	Upper
84	100		
49	152.1	117.3	175.9
51	45.4	36.6	55.0
86	62.4	49.8	74.8



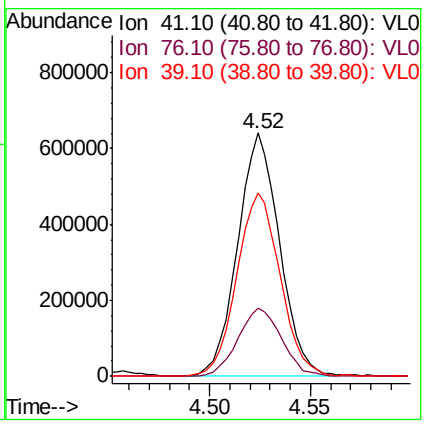


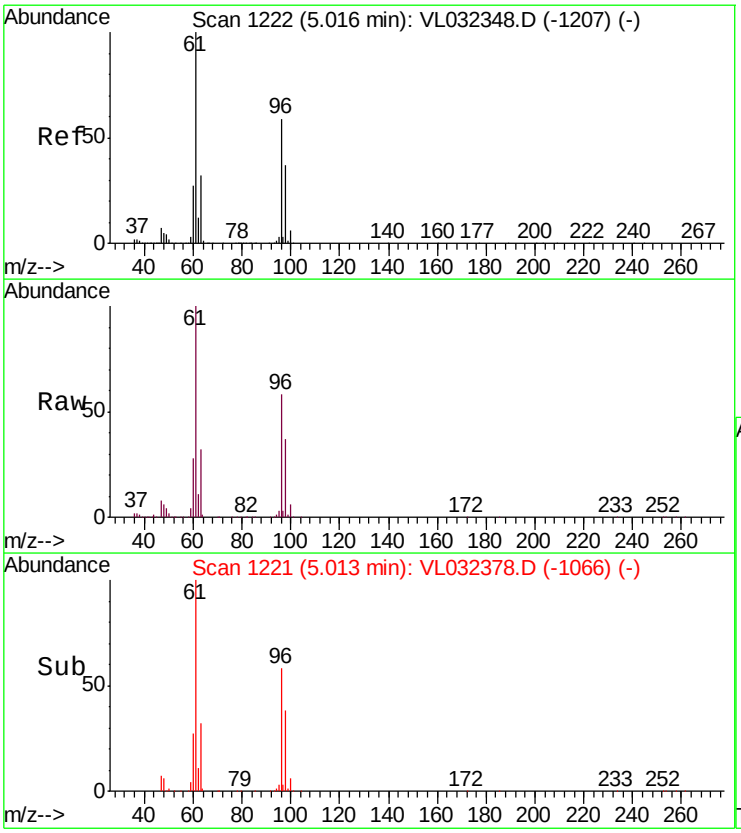
#21
Allyl Chloride
Concen: 10.589 ppbv
RT: 4.52 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 924768

Ion	Ratio	Lower	Upper
41	100		
76	29.5	22.9	34.3
39	79.0	57.6	86.4

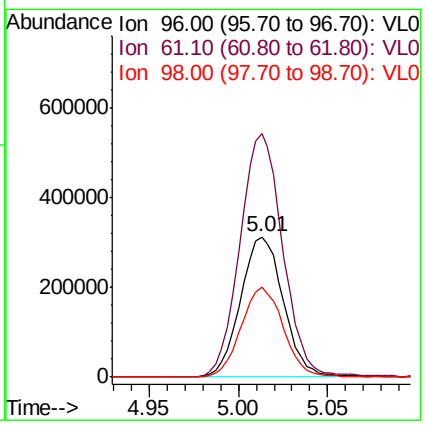


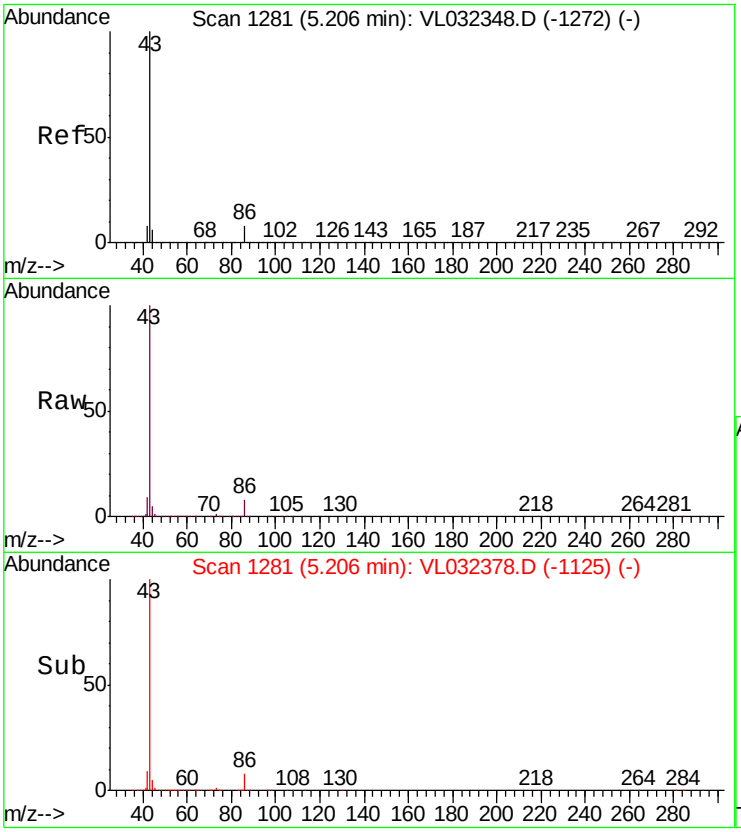


#22
trans-1,2-Dichloroethene
Concen: 10.141 ppbv
RT: 5.01 min Scan# 1221
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 96 Resp: 522661

Ion	Ratio	Lower	Upper
96	100		
61	173.5	136.6	205.0
98	64.6	50.6	76.0



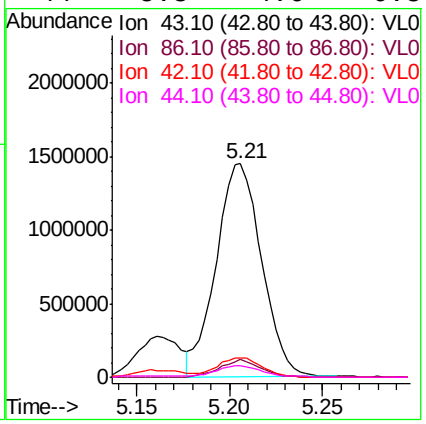


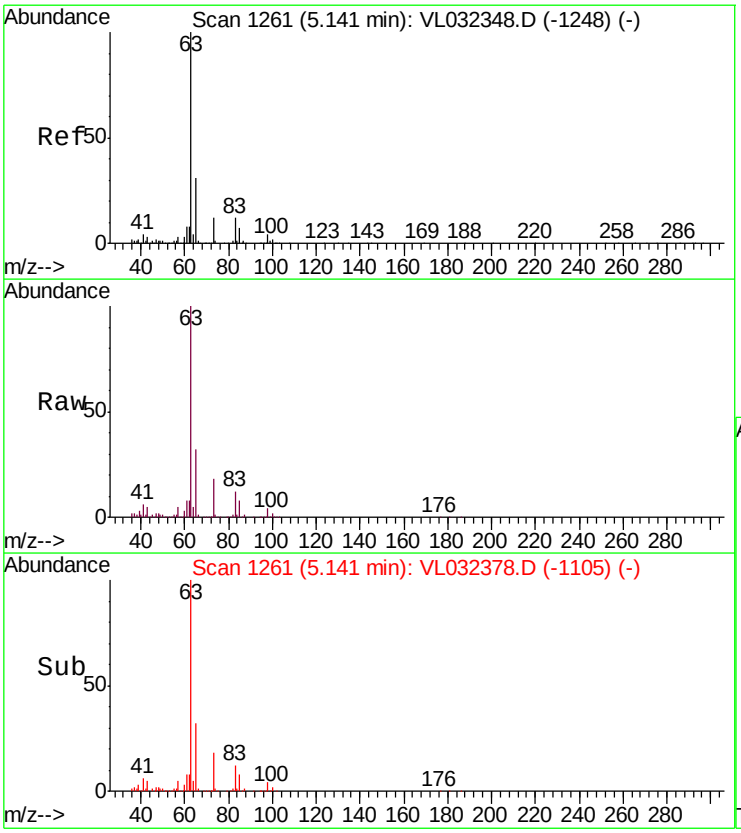
#23
Vinyl Acetate
Concen: 10.302 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2461570

Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.5	8.3
42	8.9	7.0	10.6
44	5.3	4.6	6.8

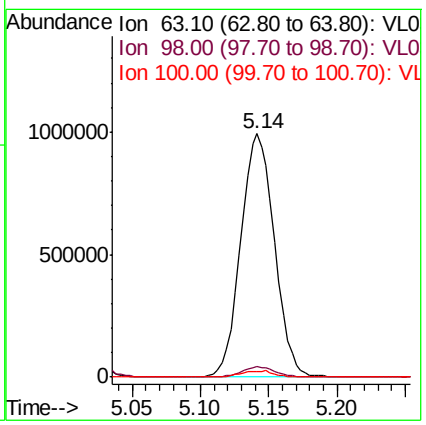


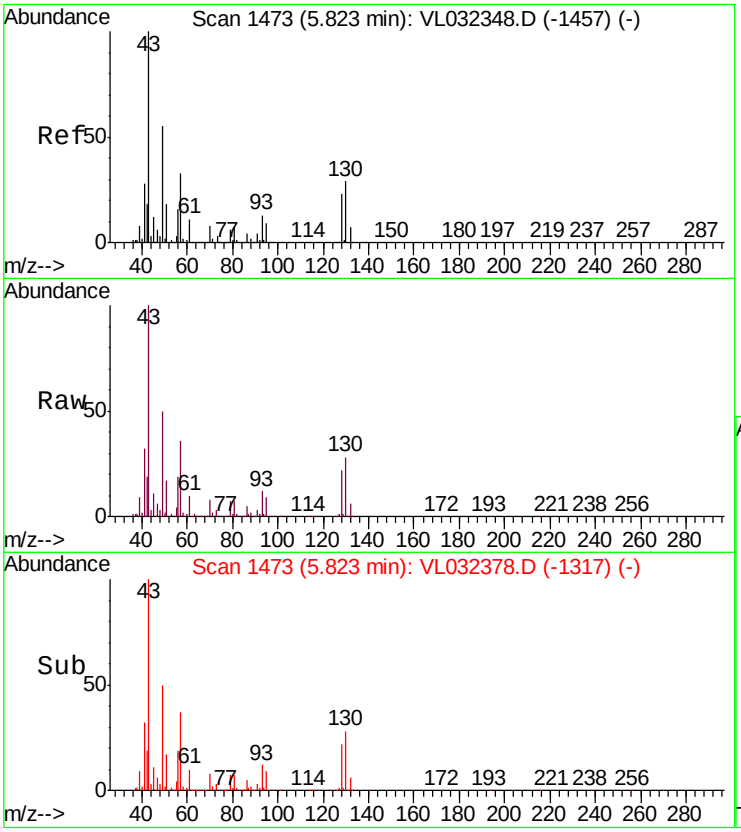


#24
1,1-Dichloroethane
Concen: 9.821 ppbv
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 63 Resp: 1694237

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.3	1.2	3.6



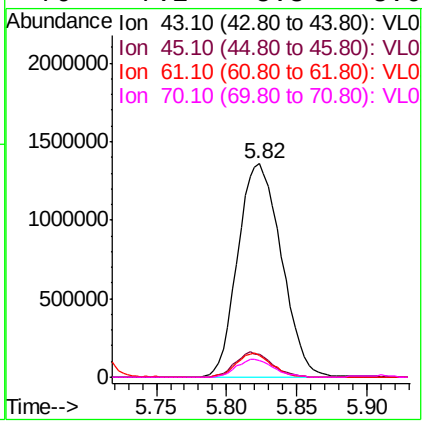


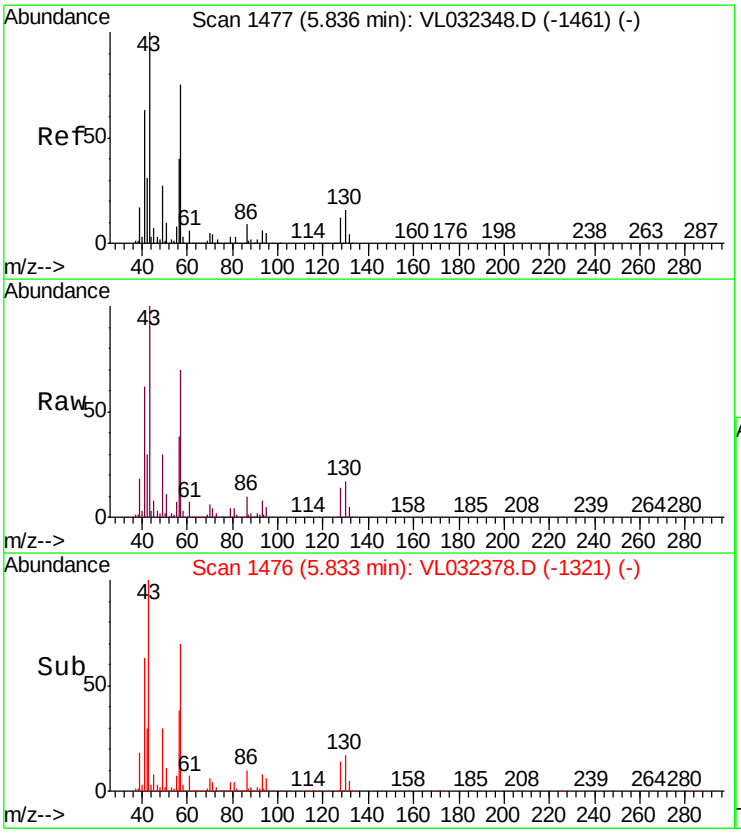
#25
Ethyl Acetate
Concen: 9.937 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2946560

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.2	7.4	11.2
70	7.2	5.8	8.6

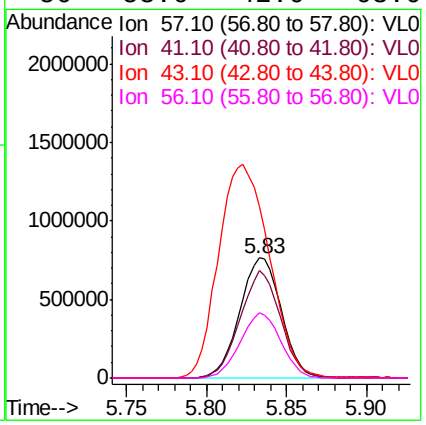


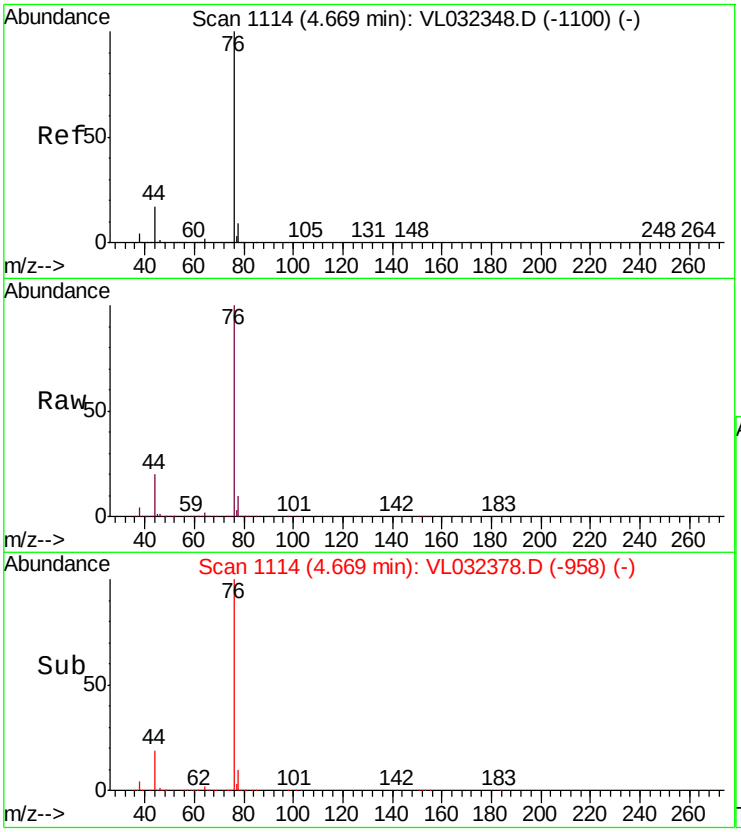


#26
Hexane
Concen: 10.189 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 57 Resp: 1346911

Ion	Ratio	Lower	Upper
57	100		
41	87.4	68.0	102.0
43	220.1	175.3	262.9
56	53.6	42.0	63.0



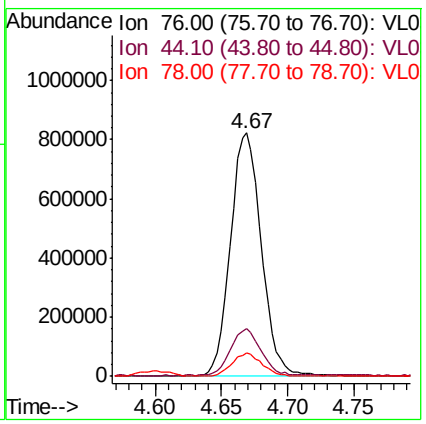


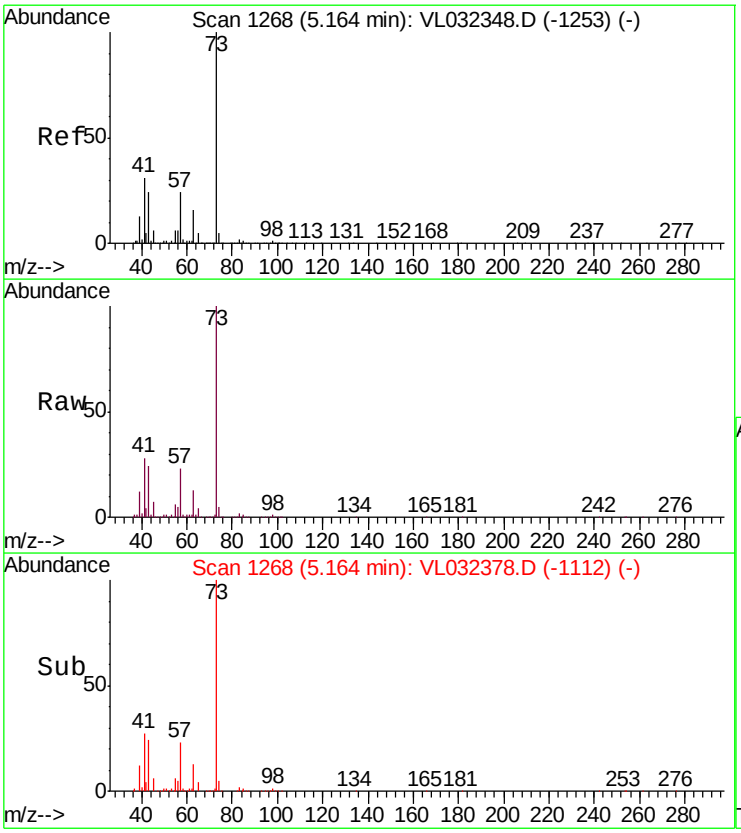
#27
Carbon Disulfide
Concen: 10.794 ppbv
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1331835

Ion	Ratio	Lower	Upper
76	100		
44	19.0	14.4	21.6
78	9.4	7.4	11.0

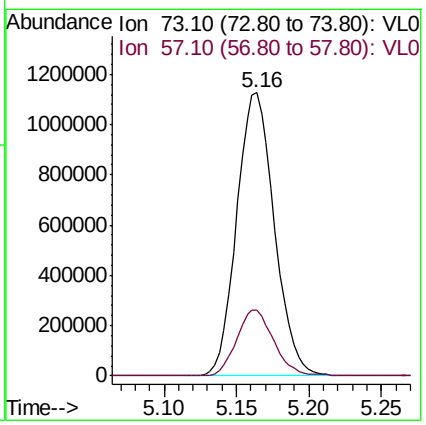


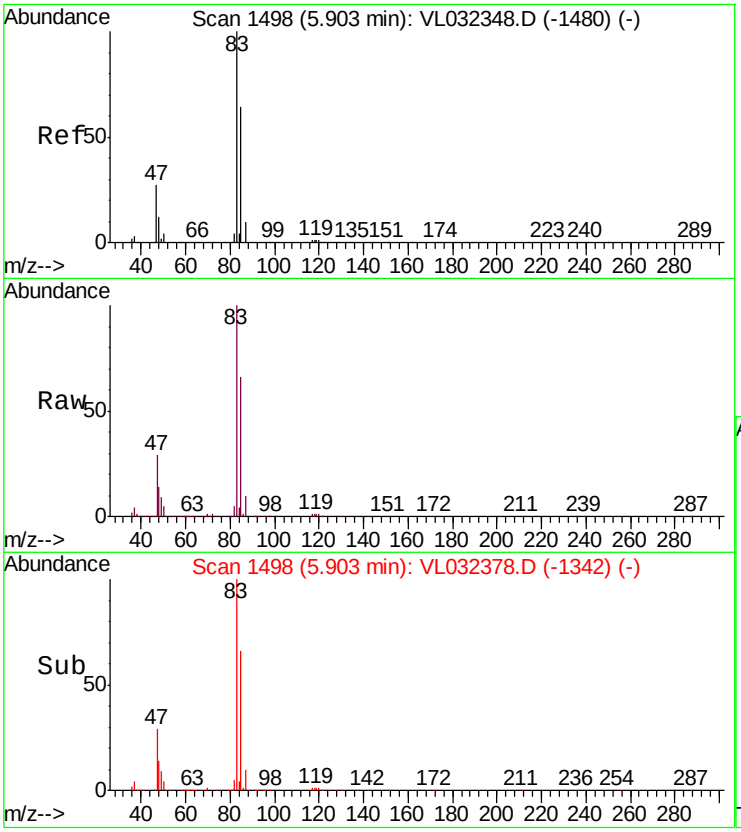


#28
Methyl tert-Butyl Ether
Concen: 11.578 ppbv
RT: 5.16 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 73 Resp: 2031104

Ion	Ratio	Lower	Upper
73	100		
57	23.2	19.3	28.9



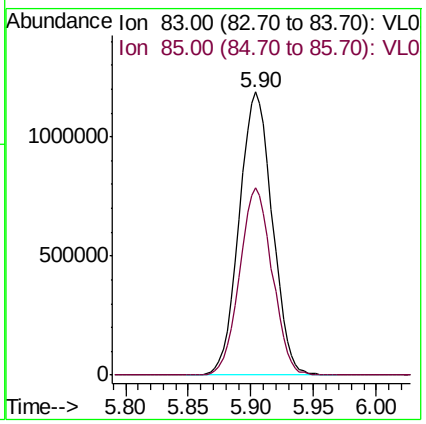


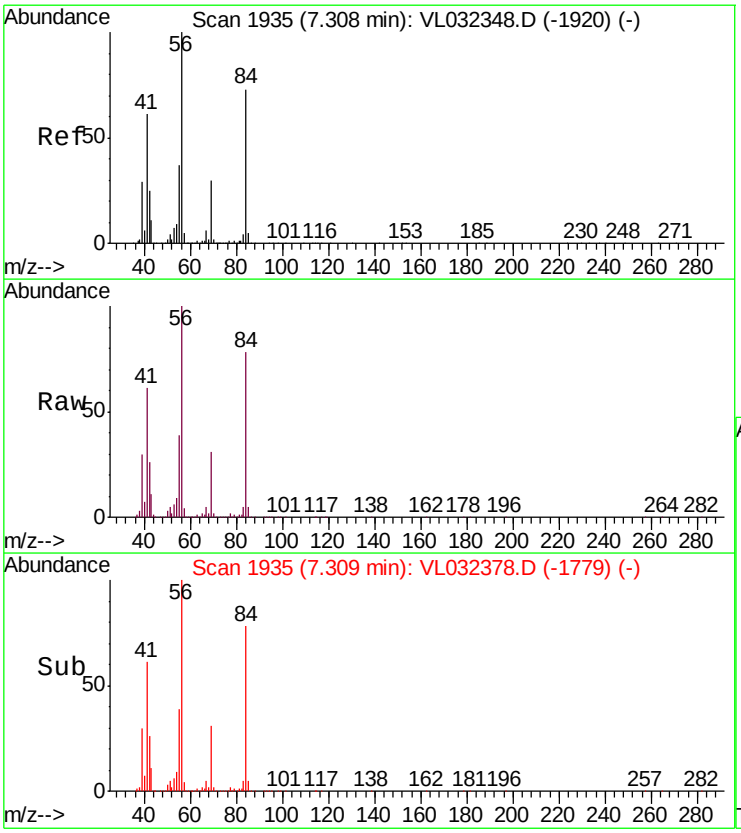
#29
Chloroform
Concen: 11.270 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2183358

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.6	77.4

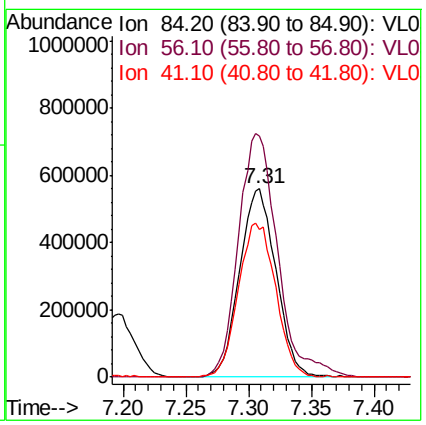


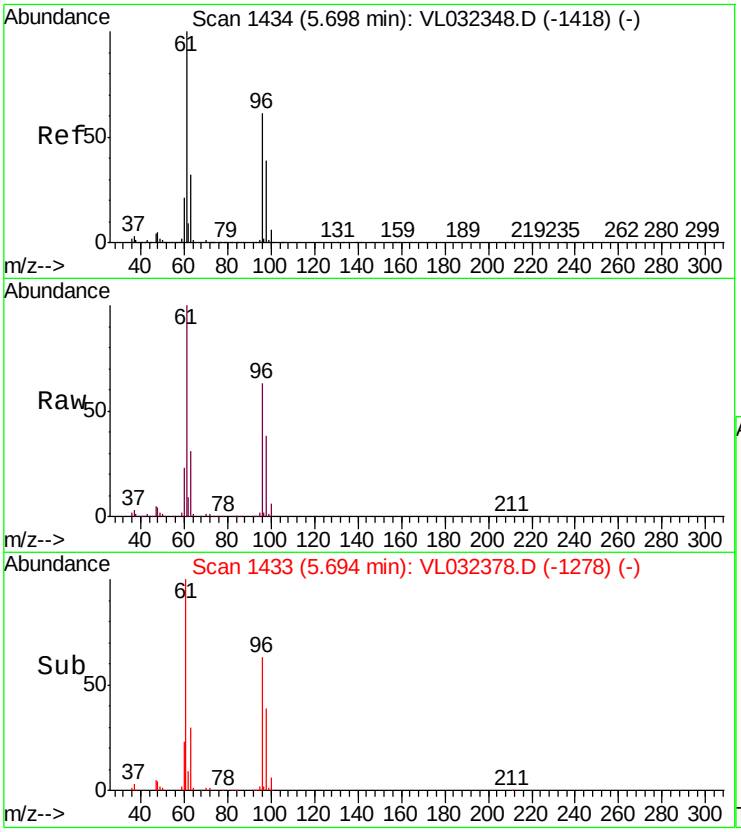


#30
Cyclohexane
Concen: 11.274 ppbv
RT: 7.31 min Scan# 1935
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 84 Resp: 1135259

Ion	Ratio	Lower	Upper
84	100		
56	139.3	115.7	173.5
41	84.0	67.9	101.9



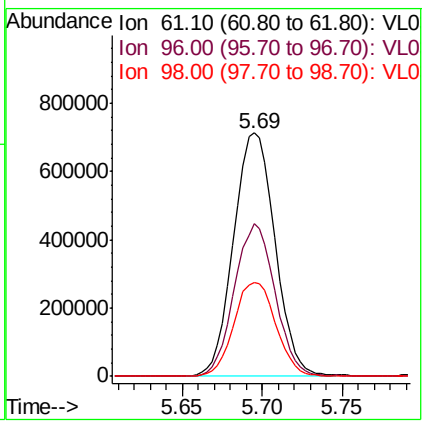


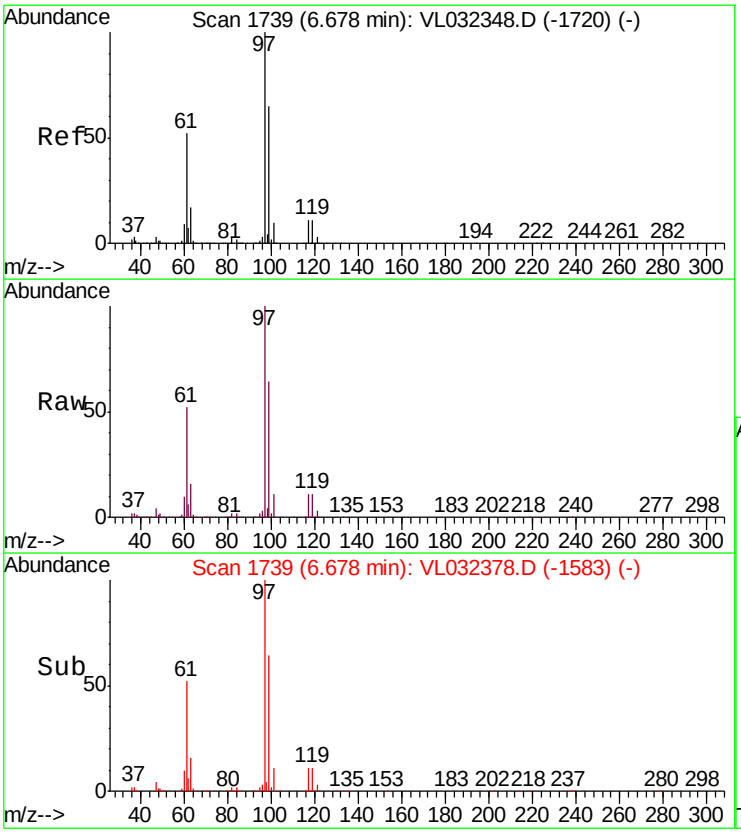
#31
cis-1,2-Dichloroethene
Concen: 9.737 ppbv
RT: 5.69 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1259336

Ion	Ratio	Lower	Upper
61	100		
96	62.8	48.5	72.7
98	38.5	31.0	46.4

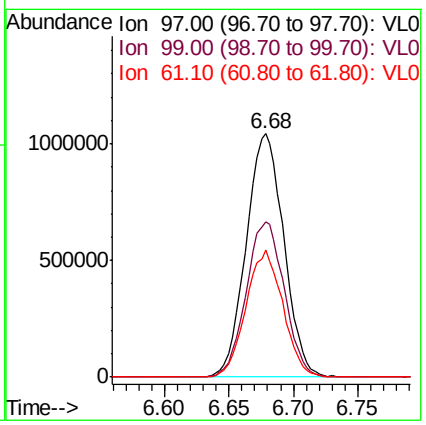


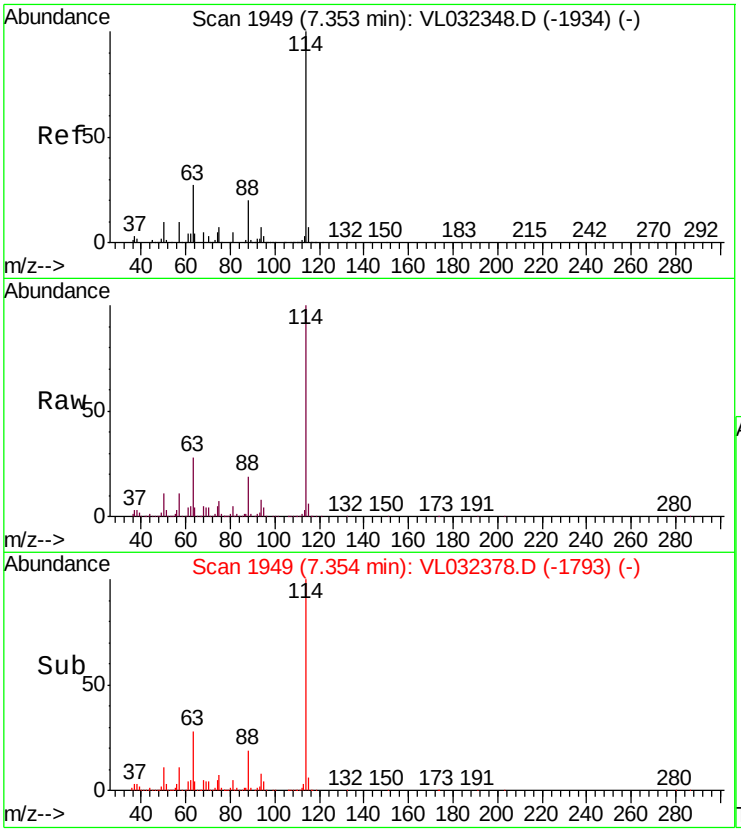


#32
1,1,1-Trichloroethane
Concen: 11.285 ppbv
RT: 6.68 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 97 Resp: 2127646

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.1	76.7
61	50.9	41.1	61.7



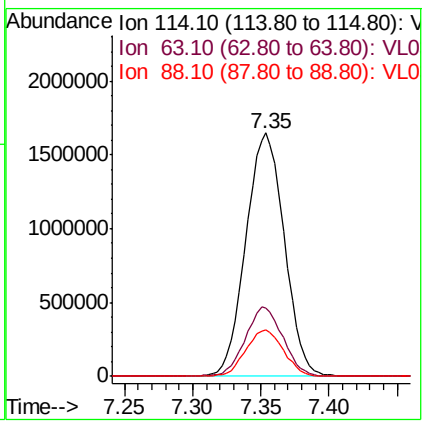


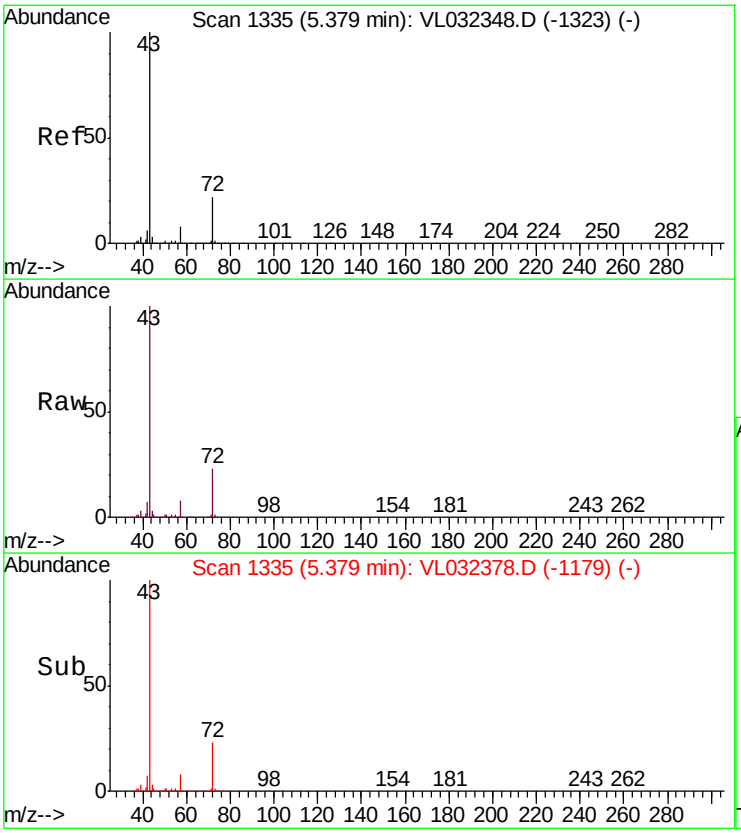
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 3223341

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.0	33.0
88	18.9	15.3	22.9

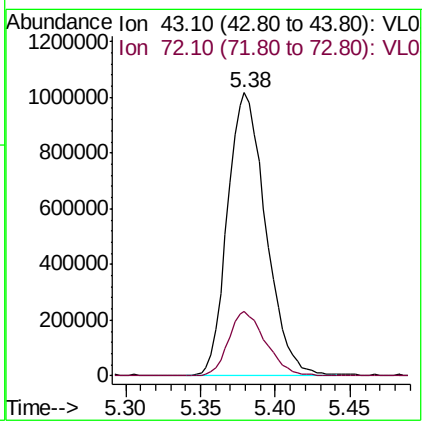


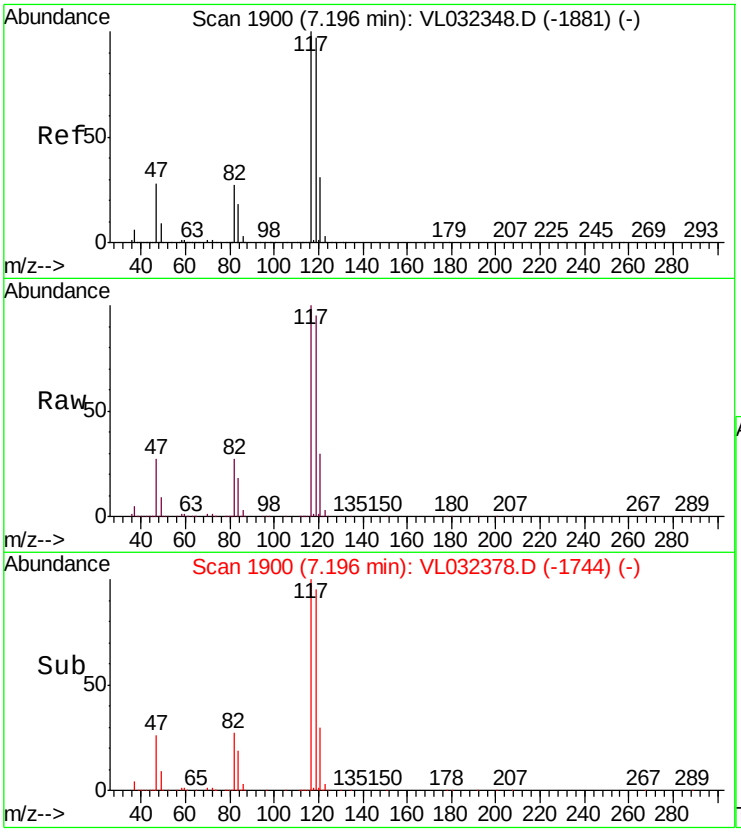


#34
2-Butanone
Concen: 8.242 ppbv
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 43 Resp: 1808195

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.9	26.9



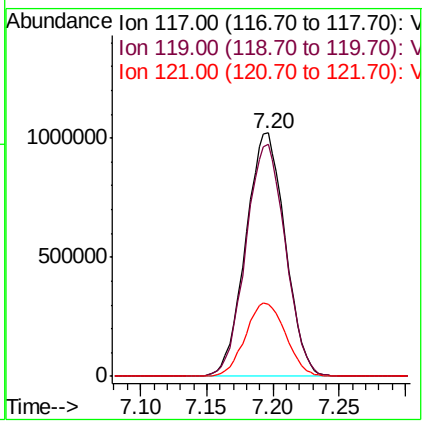


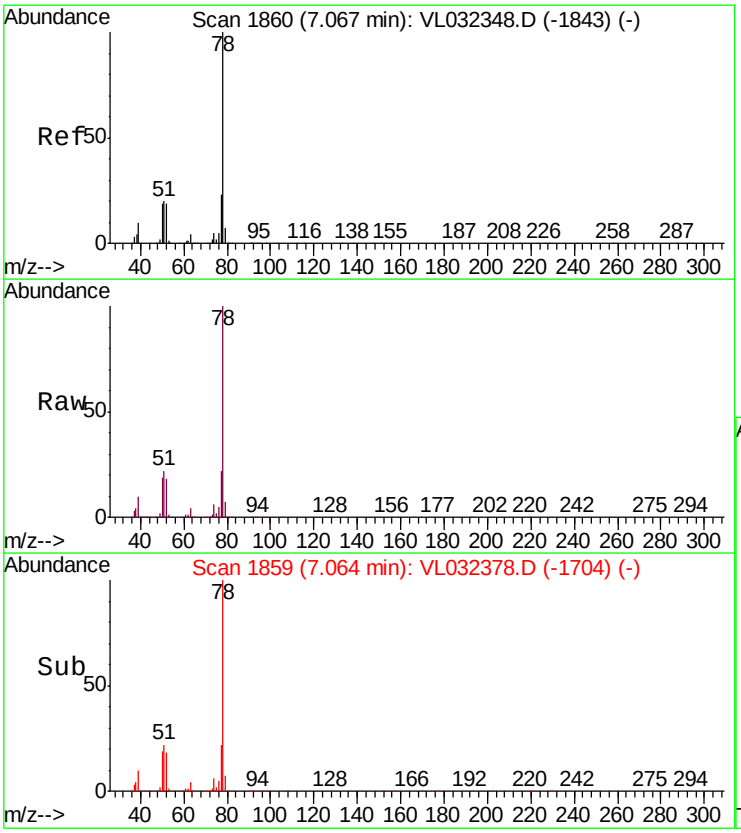
#35
Carbon Tetrachloride
Concen: 11.123 ppbv
RT: 7.20 min Scan# 1900
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2113973

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.2	115.8
121	29.7	25.1	37.7

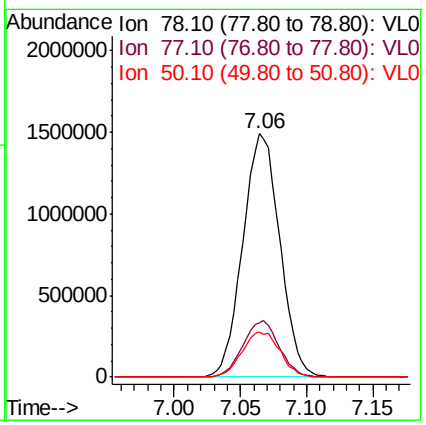


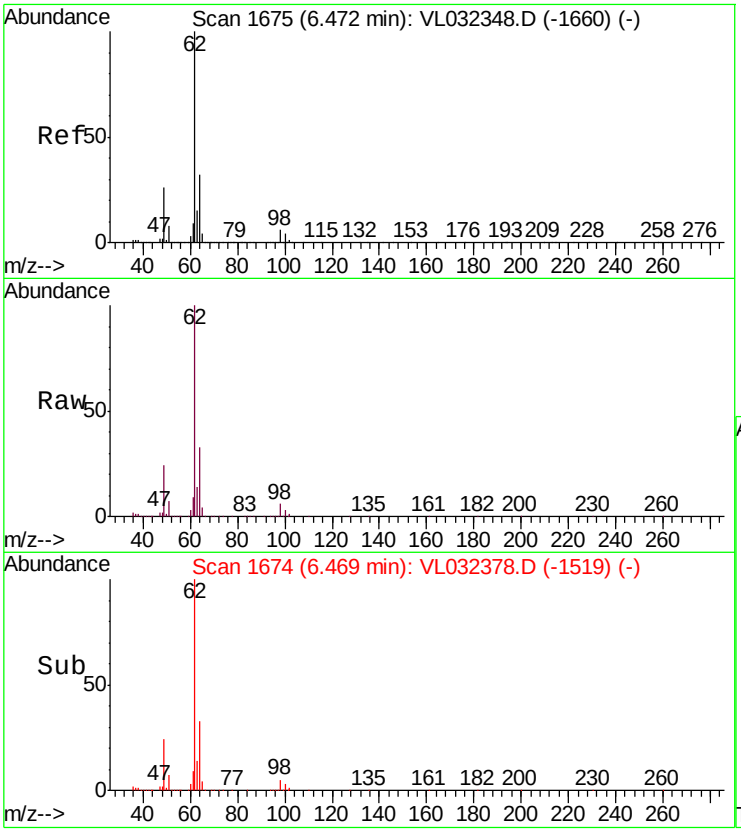


#36
Benzene
Concen: 10.597 ppbv
RT: 7.06 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 78 Resp: 2895906

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.0	27.0
50	18.6	15.1	22.7



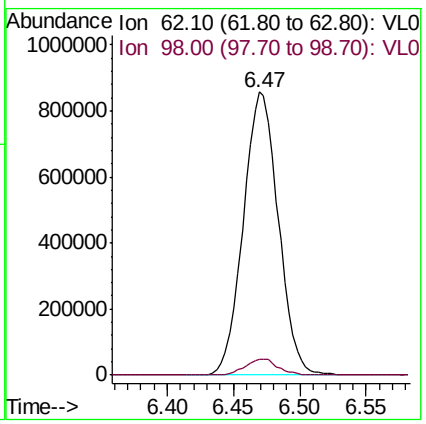


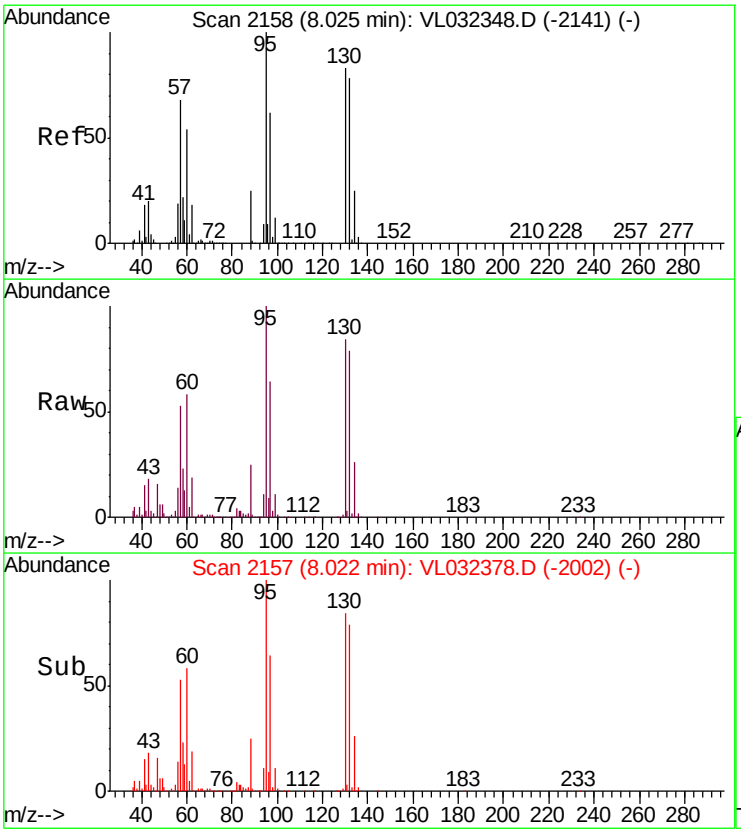
#37
1,2-Dichloroethane
Concen: 9.487 ppbv
RT: 6.47 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1573004

Ion	Ratio	Lower	Upper
62	100		
98	5.5	5.0	7.6

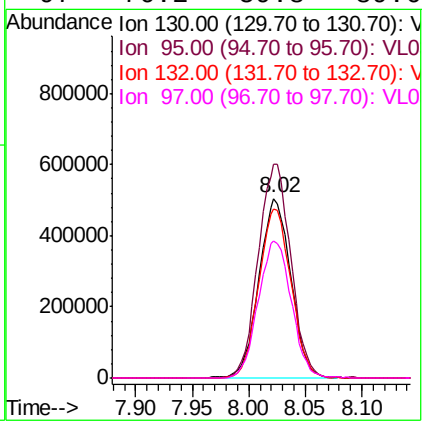


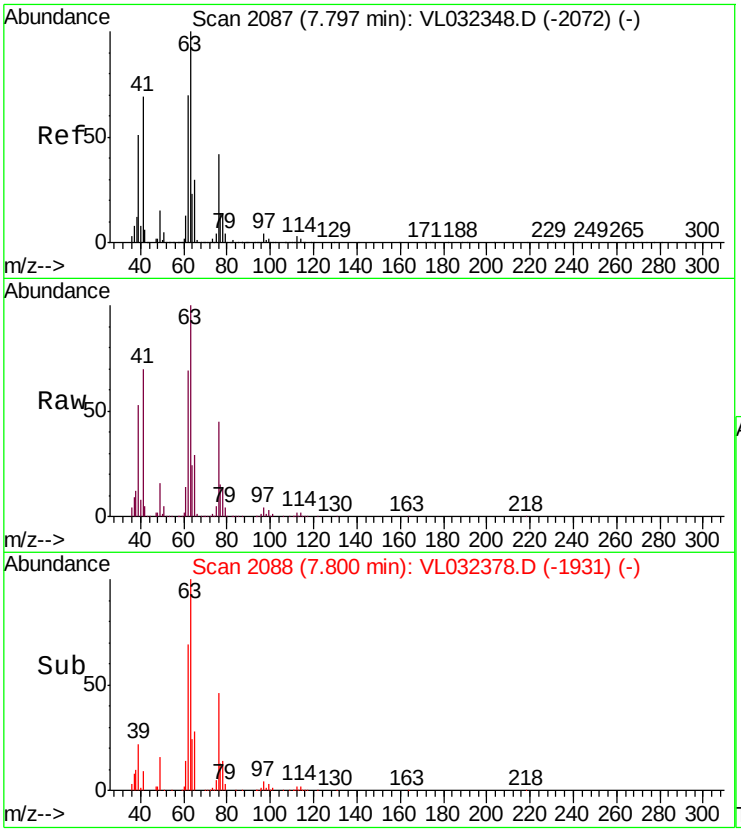


#38
Trichloroethene
Concen: 10.304 ppbv
RT: 8.02 min Scan# 2157
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:130 Resp: 987646

Ion	Ratio	Lower	Upper
130	100		
95	119.1	96.6	144.8
132	94.5	75.5	113.3
97	76.2	59.8	89.6



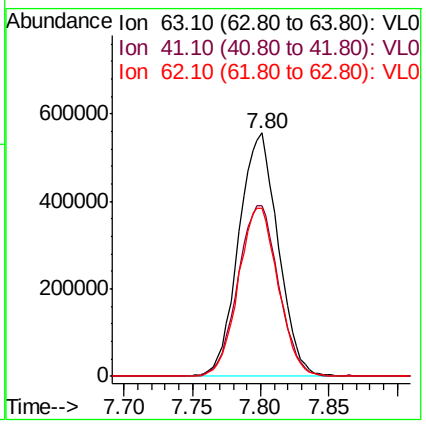


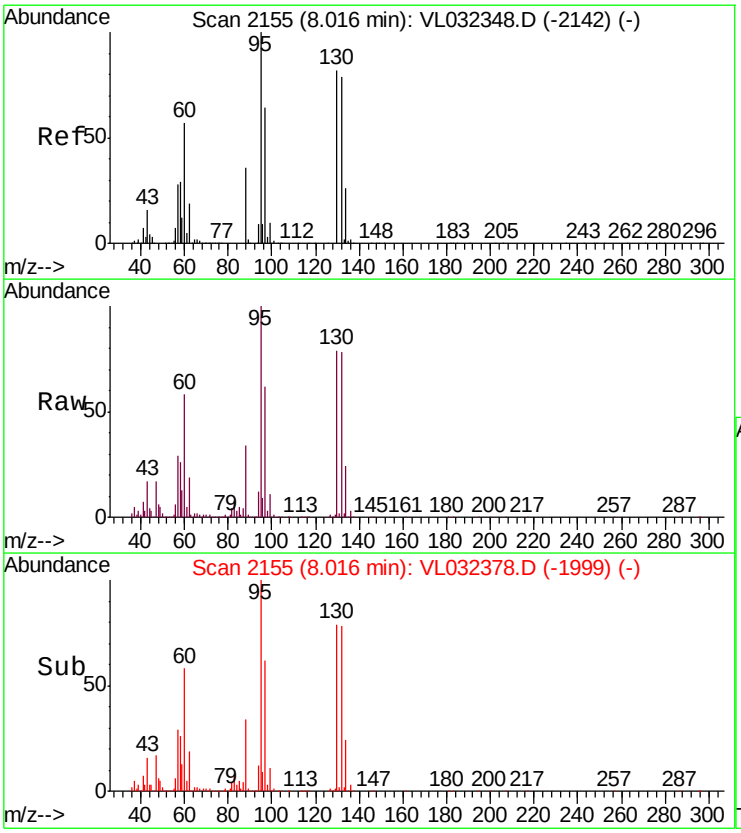
#39
1,2-Dichloropropane
Concen: 9.783 ppbv
RT: 7.80 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 1116696

Ion	Ratio	Lower	Upper
63	100		
41	69.8	55.5	83.3
62	68.8	56.3	84.5

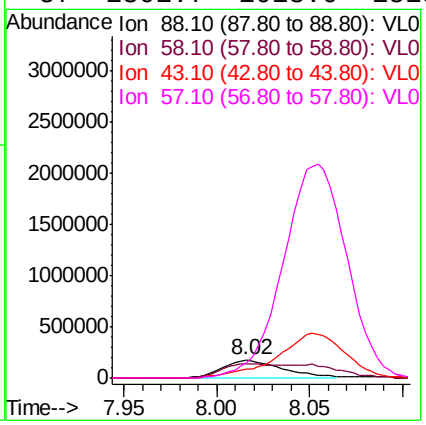


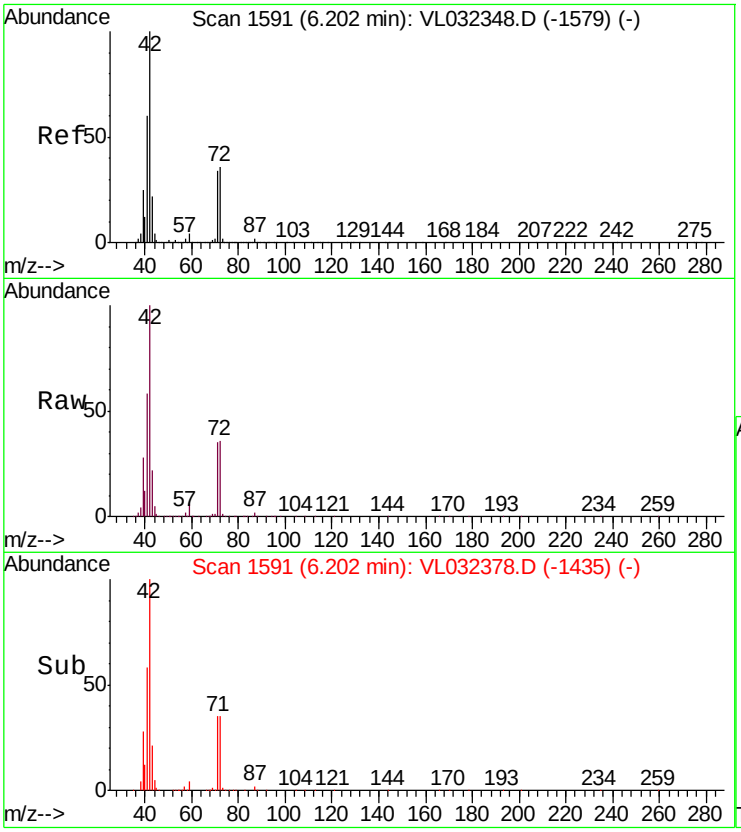


#40
1,4-Dioxane
Concen: 11.117 ppbv
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 88 Resp: 385502

Ion	Ratio	Lower	Upper
88	100		
58	144.9	113.7	170.5
43	289.5	224.0	336.0
57	1301.7	1013.0	1519.6



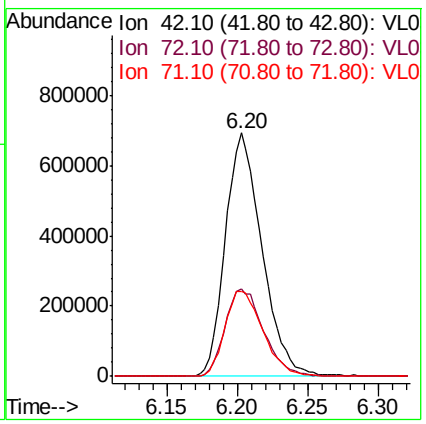


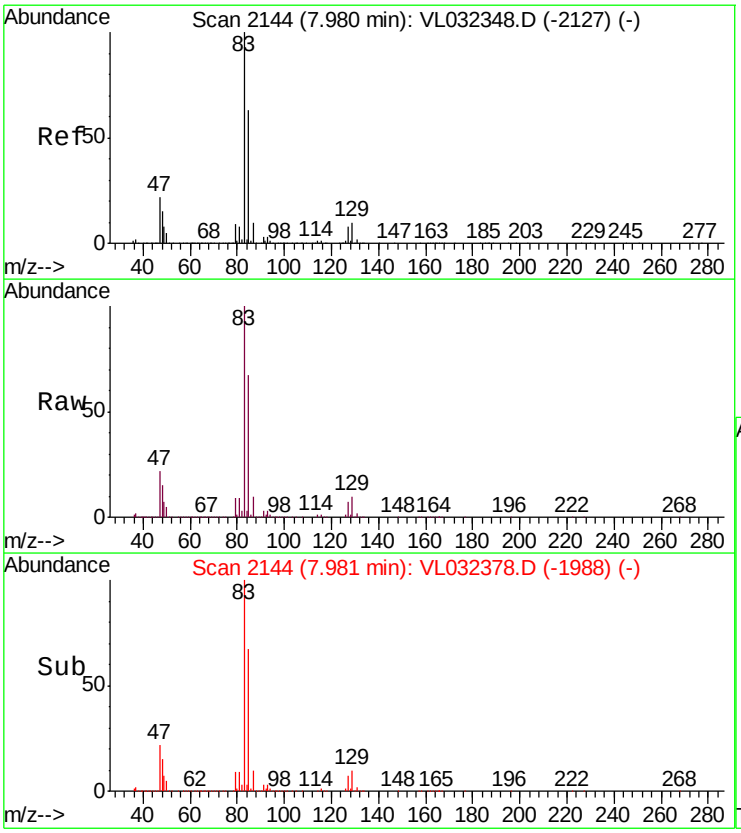
#41
Tetrahydrofuran
Concen: 10.681 ppbv
RT: 6.20 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 1257986

Ion	Ratio	Lower	Upper
42	100		
72	37.9	29.8	44.6
71	36.5	28.2	42.2

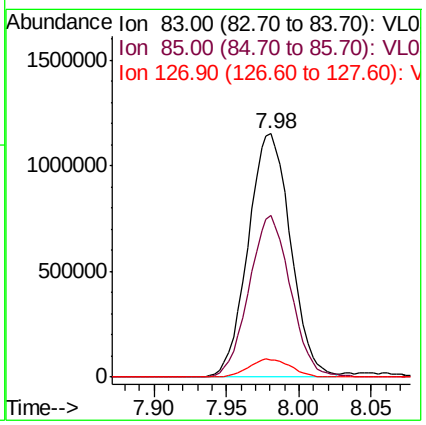


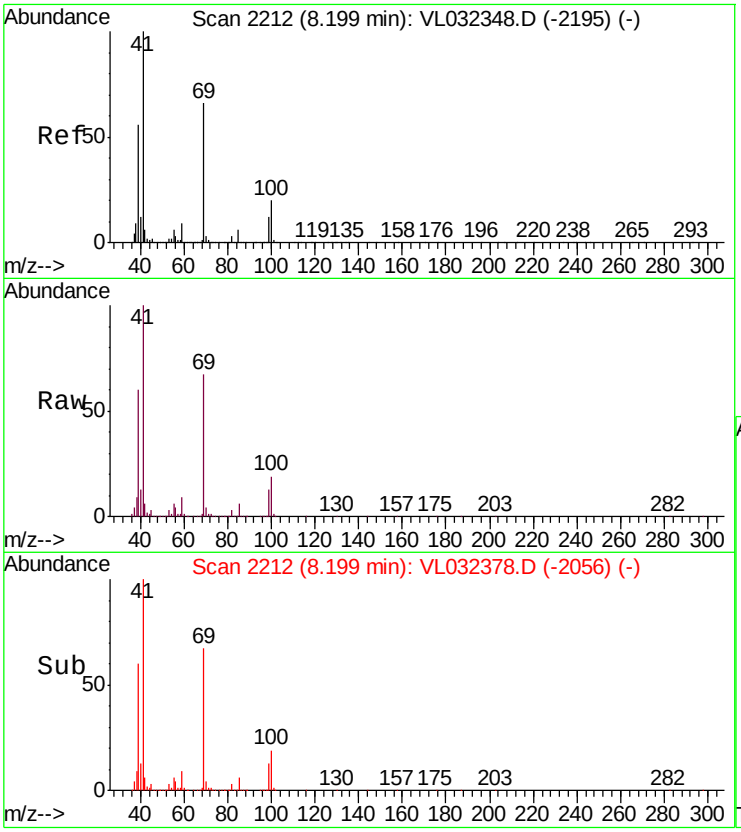


#42
Bromodichloromethane
Concen: 10.802 ppbv
RT: 7.98 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 83 Resp: 2345076

Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.4	75.6
127	7.2	6.1	9.1



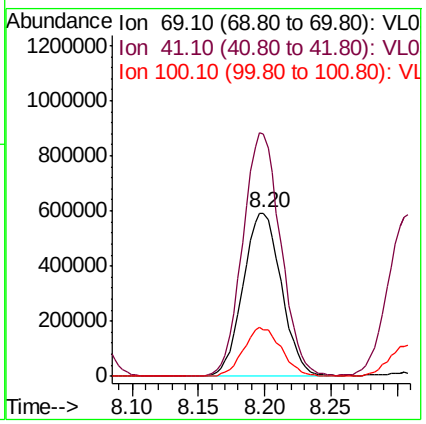


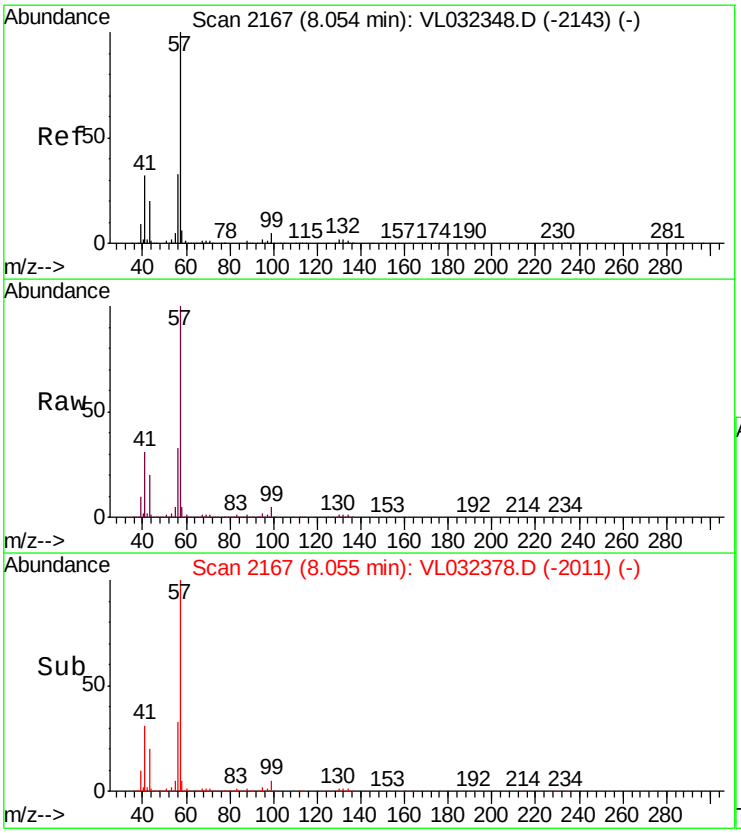
#43
Methyl Methacrylate
Concen: 10.939 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1191093

Ion	Ratio	Lower	Upper
69	100		
41	147.7	118.6	177.8
100	29.3	23.4	35.2

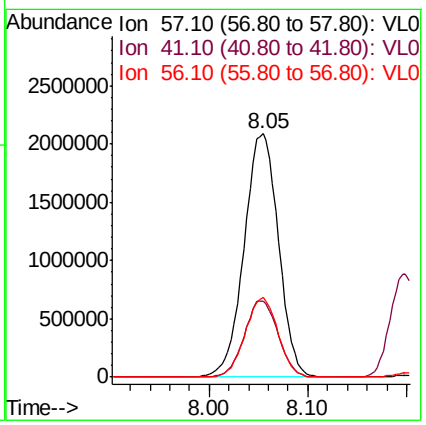


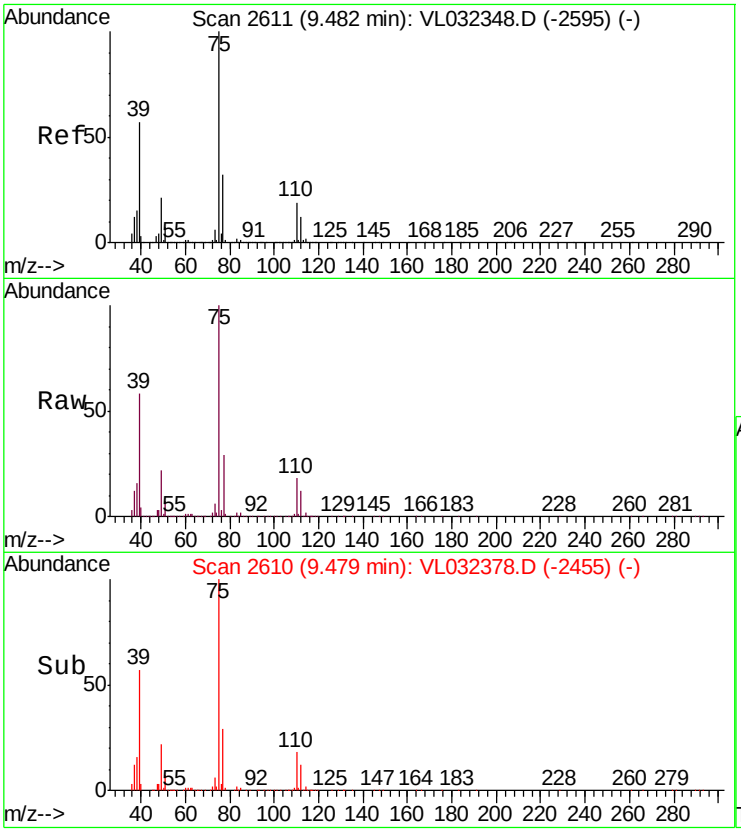


#44
2,2,4-Trimethylpentane
Concen: 10.172 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 57 Resp: 5012289

Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.3	36.5
56	31.3	25.7	38.5



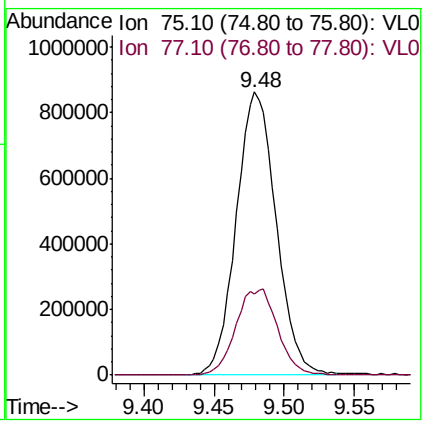


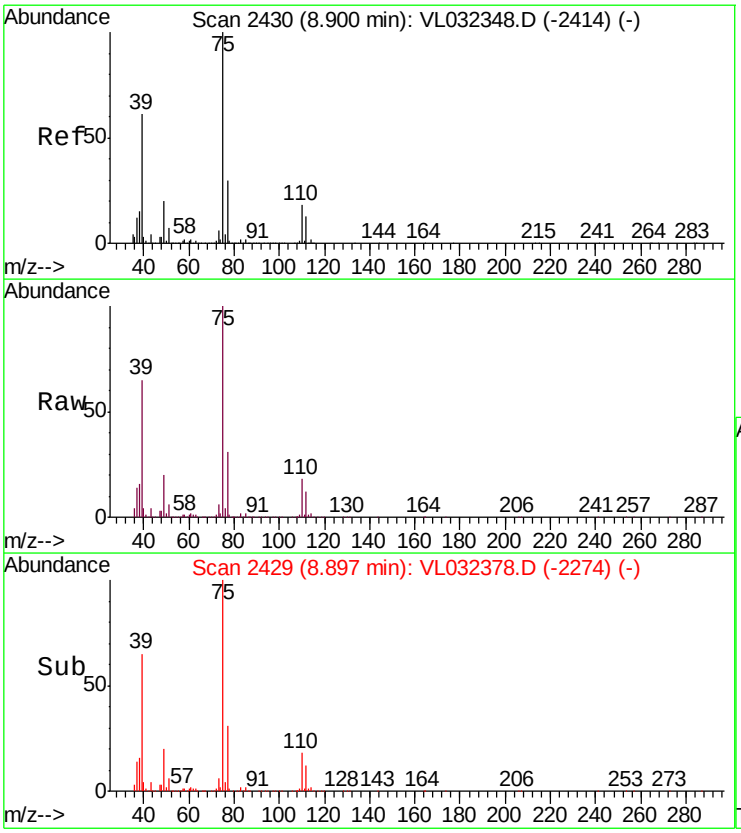
#45
t-1,3-Dichloropropene
Concen: 12.427 ppbv
RT: 9.48 min Scan# 2610
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1711481

Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.4	38.2

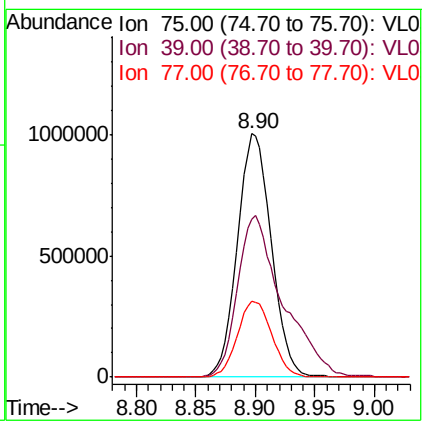


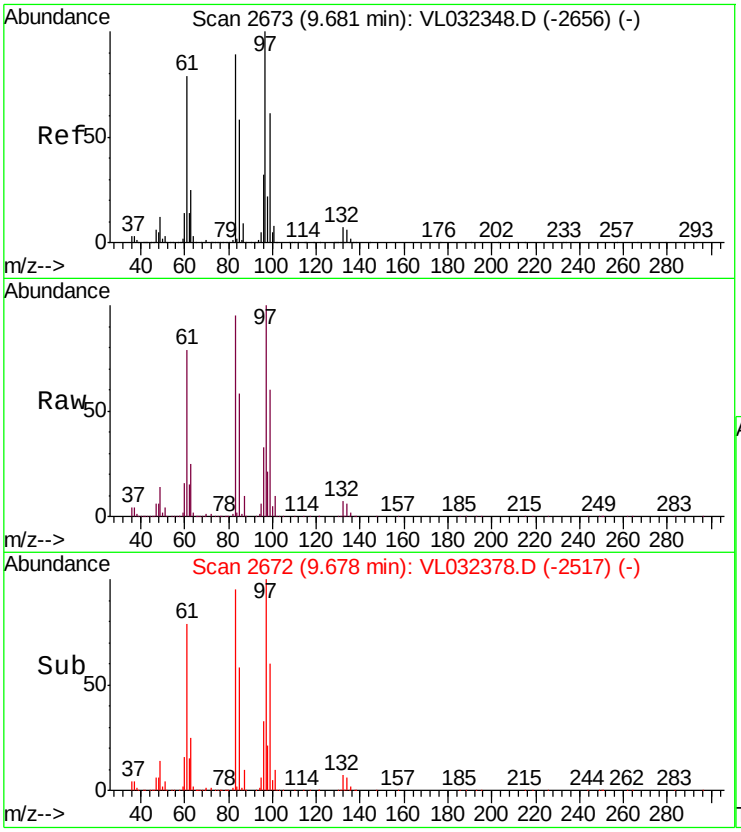


#46
cis-1,3-Dichloropropene
Concen: 12.031 ppbv
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 75 Resp: 1987052

Ion	Ratio	Lower	Upper
75	100		
39	64.5	48.5	72.7
77	31.3	24.3	36.5



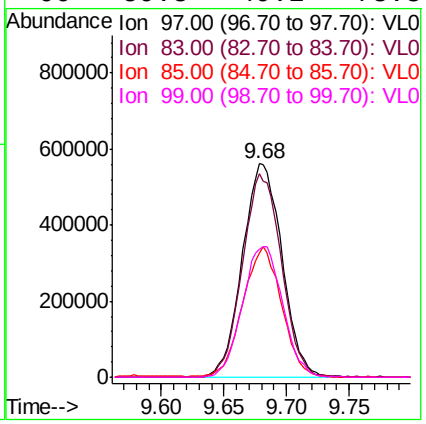


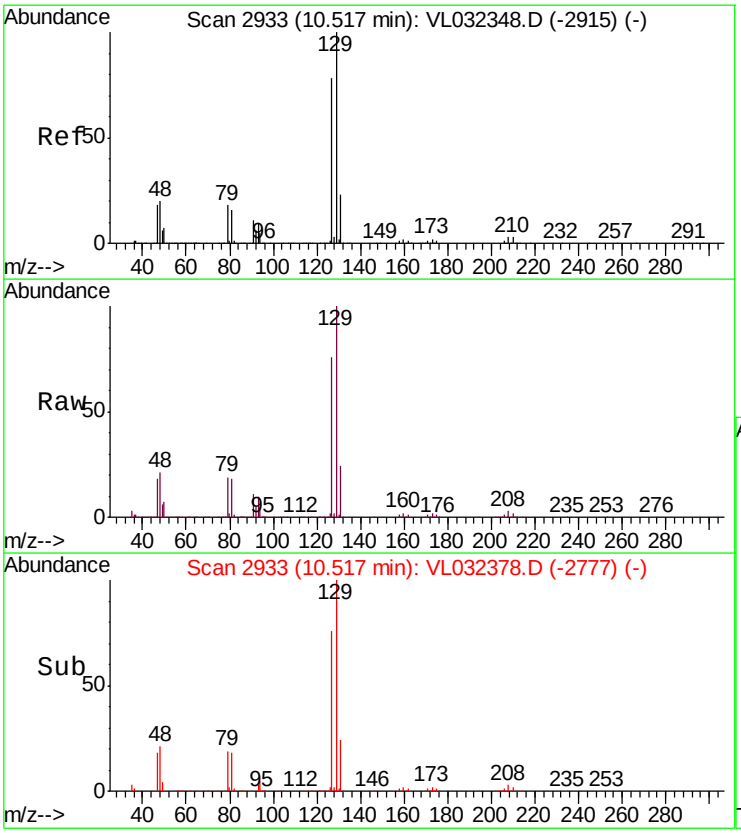
#47
1,1,2-Trichloroethane
Concen: 9.819 ppbv
RT: 9.68 min Scan# 2672
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1233679

Ion	Ratio	Lower	Upper
97	100		
83	95.3	71.2	106.8
85	57.9	46.6	69.8
99	59.8	49.2	73.8

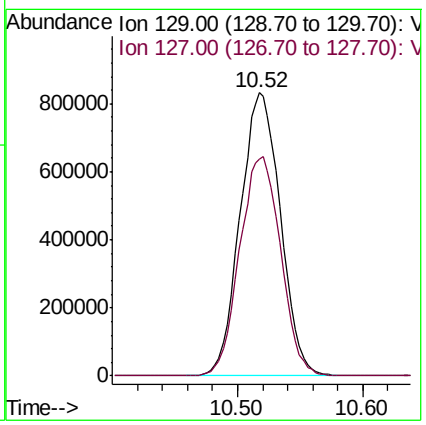


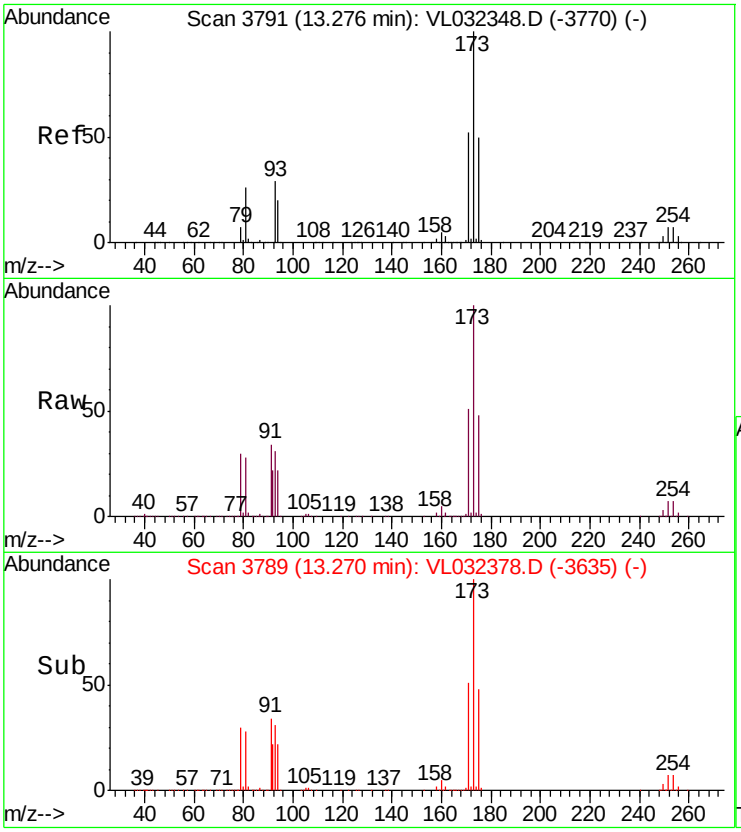


#48
Dibromochloromethane
Concen: 11.057 ppbv
RT: 10.52 min Scan# 2933
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:129 Resp: 1857105

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.3	117.9



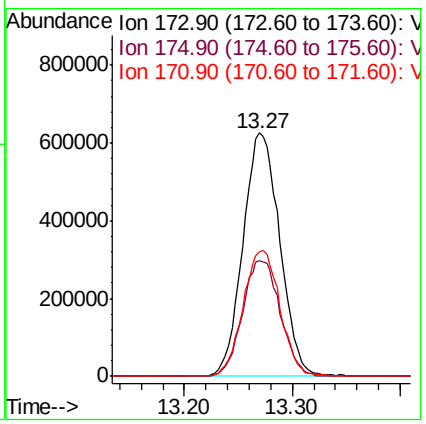


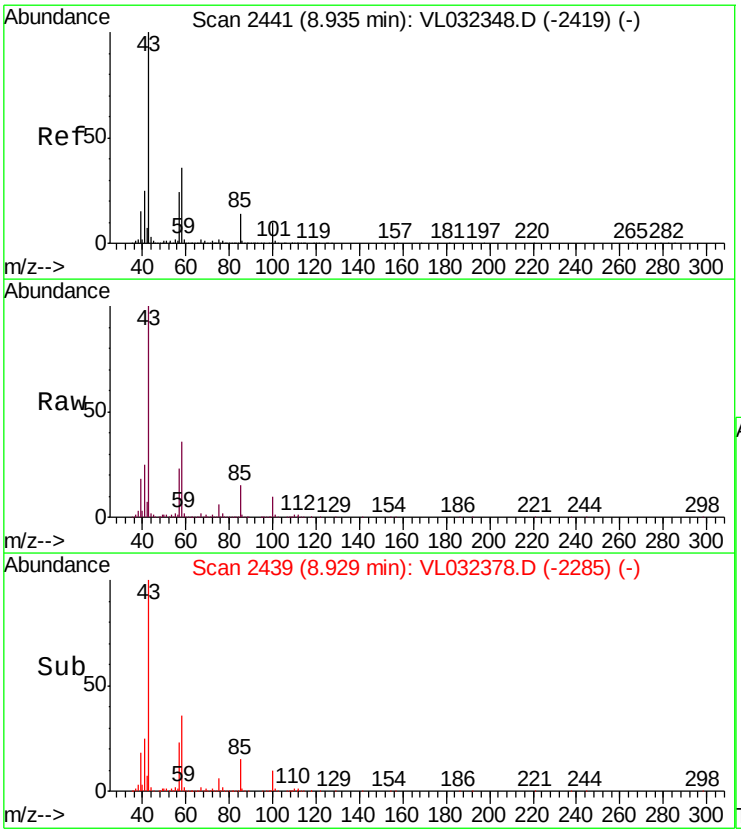
#49
Bromoform
Concen: 10.632 ppbv
RT: 13.27 min Scan# 3789
Delta R.T. -0.01 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1483389

Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.3	58.9
171	52.3	41.9	62.9

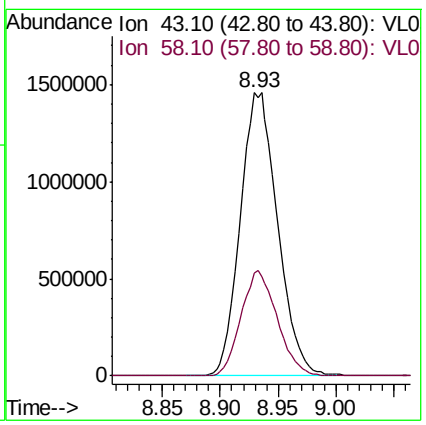


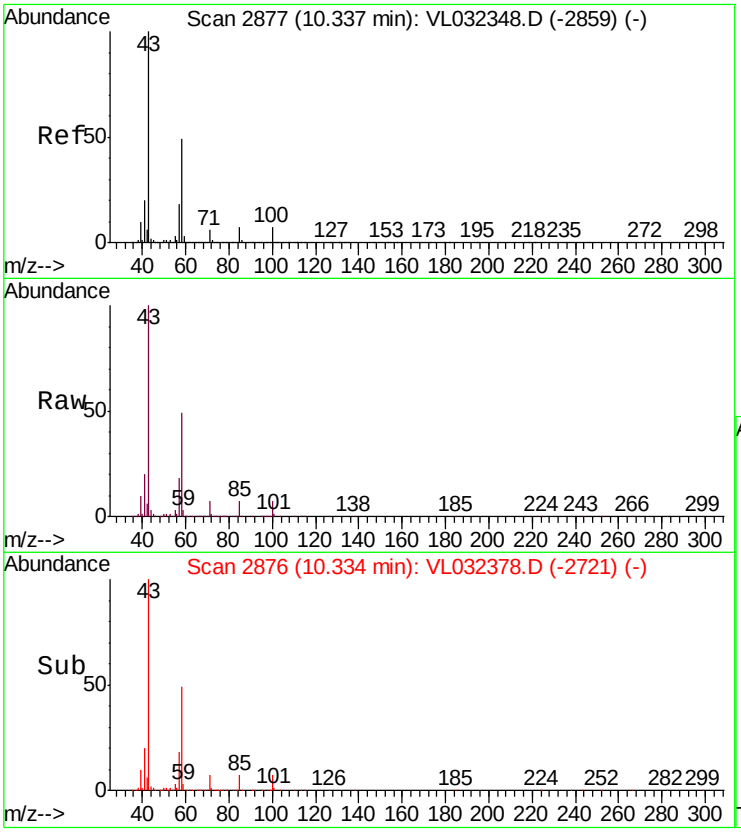


#50
4-Methyl-2-Pentanone
Concen: 10.319 ppbv
RT: 8.93 min Scan# 2439
Delta R.T. -0.01 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 43 Resp: 3269203

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3



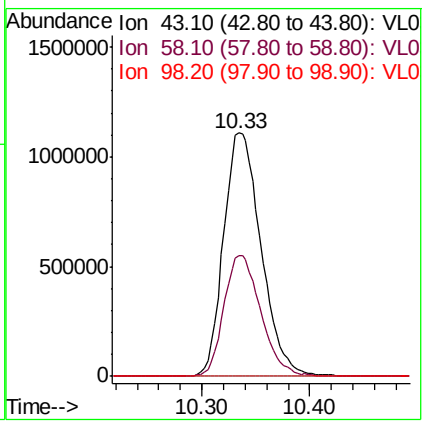


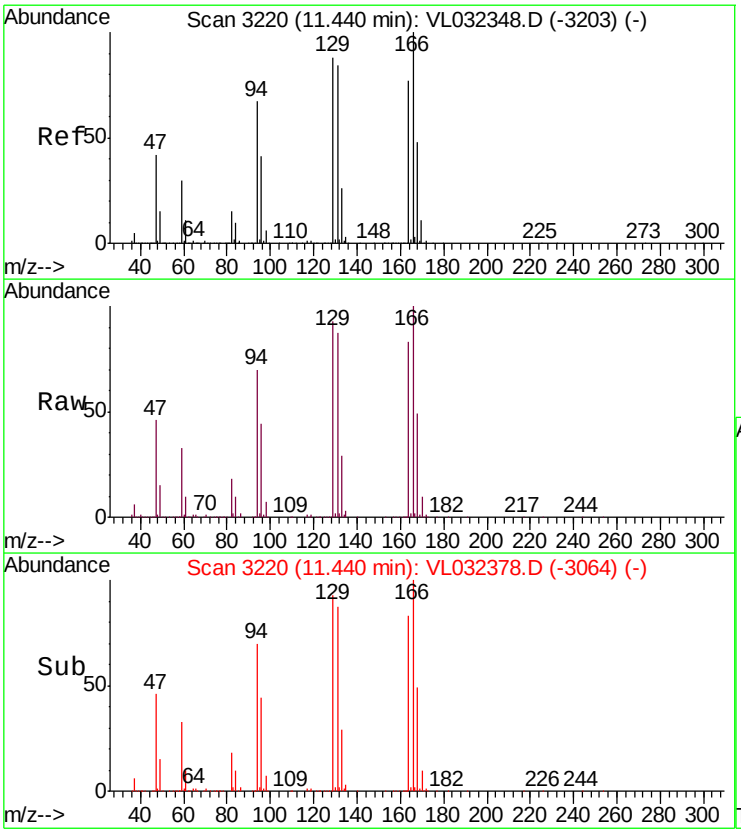
#51
2-Hexanone
Concen: 12.056 ppbv
RT: 10.33 min Scan# 2876
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2682306

Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.5	59.3
98	0.1	0.3	0.5#

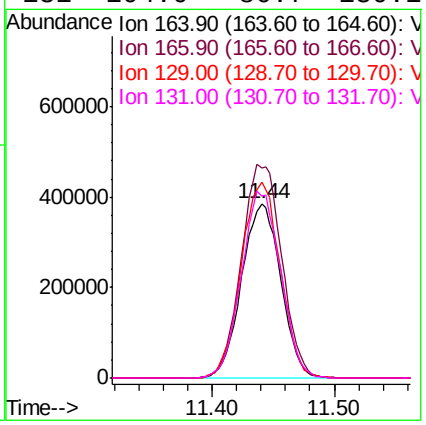


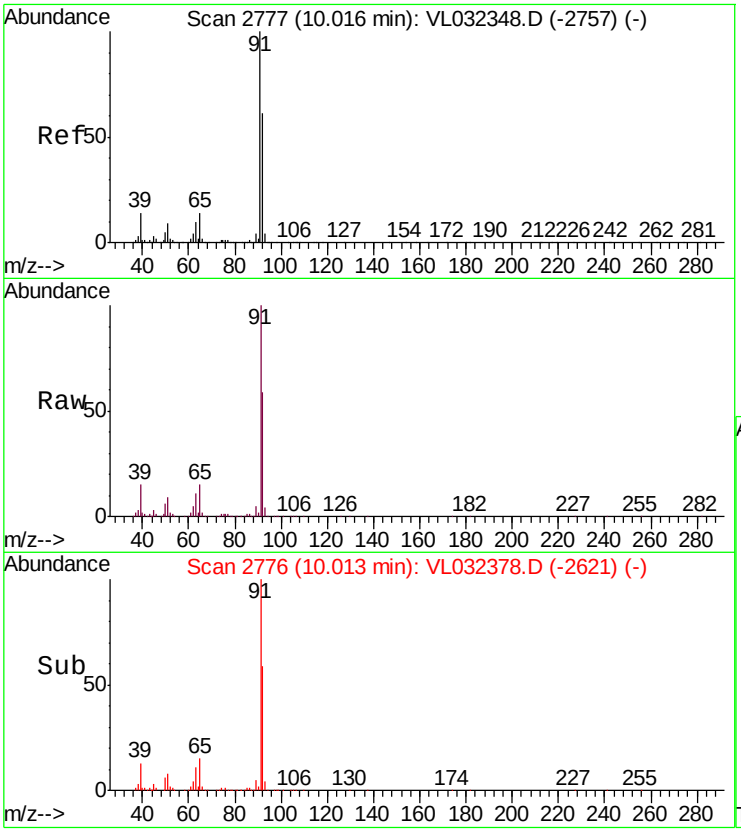


#52
Tetrachloroethene
Concen: 10.563 ppbv
RT: 11.44 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:164 Resp: 851281

Ion	Ratio	Lower	Upper
164	100		
166	120.0	103.5	155.3
129	112.1	90.9	136.3
131	104.0	86.7	130.1



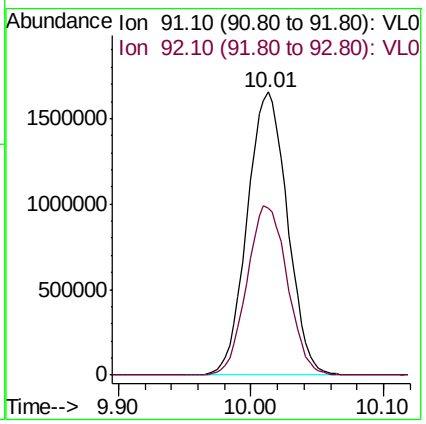


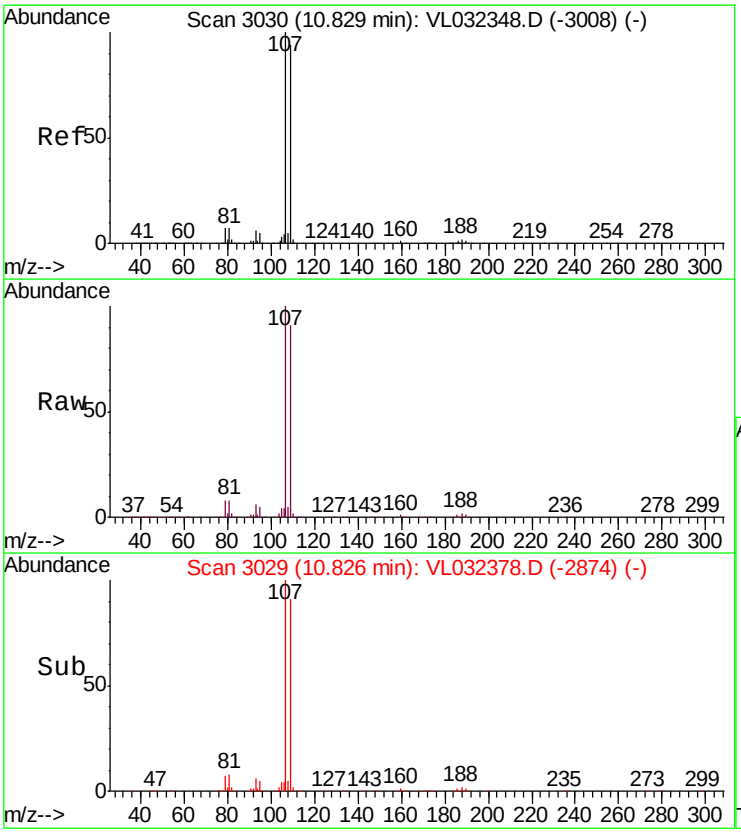
#53
Toluene
Concen: 11.645 ppbv
RT: 10.01 min Scan# 2776
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3488547

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.7	73.1

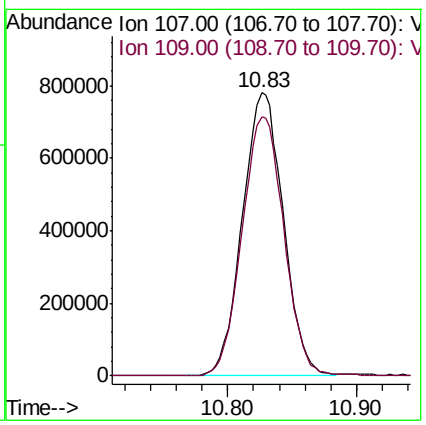


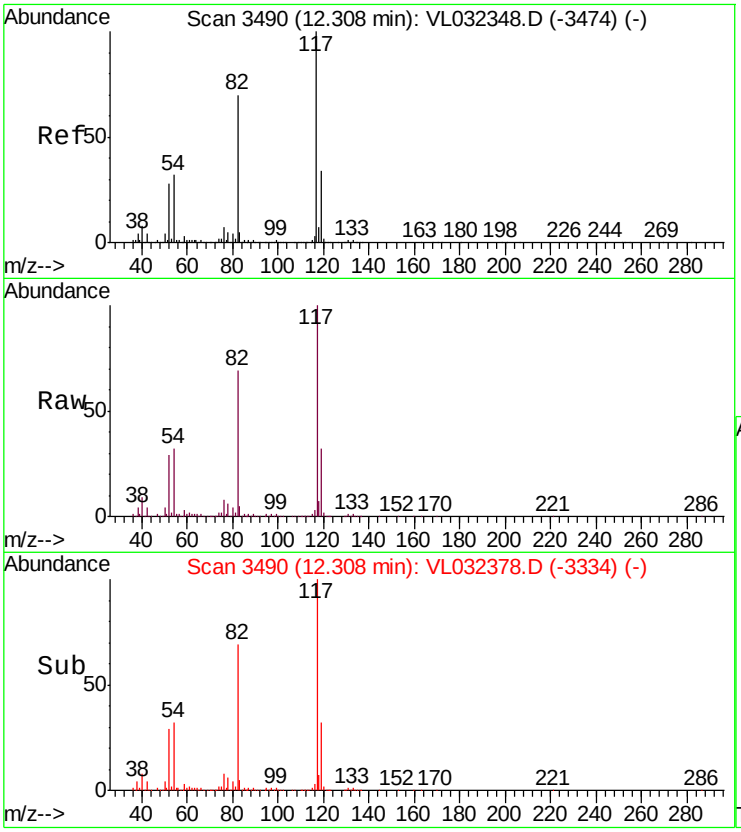


#54
1,2-Dibromoethane
Concen: 10.688 ppbv
RT: 10.83 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:107 Resp: 1724796

Ion	Ratio	Lower	Upper
107	100		
109	91.4	74.9	112.3



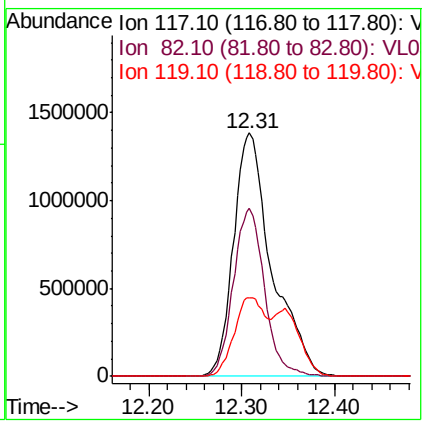


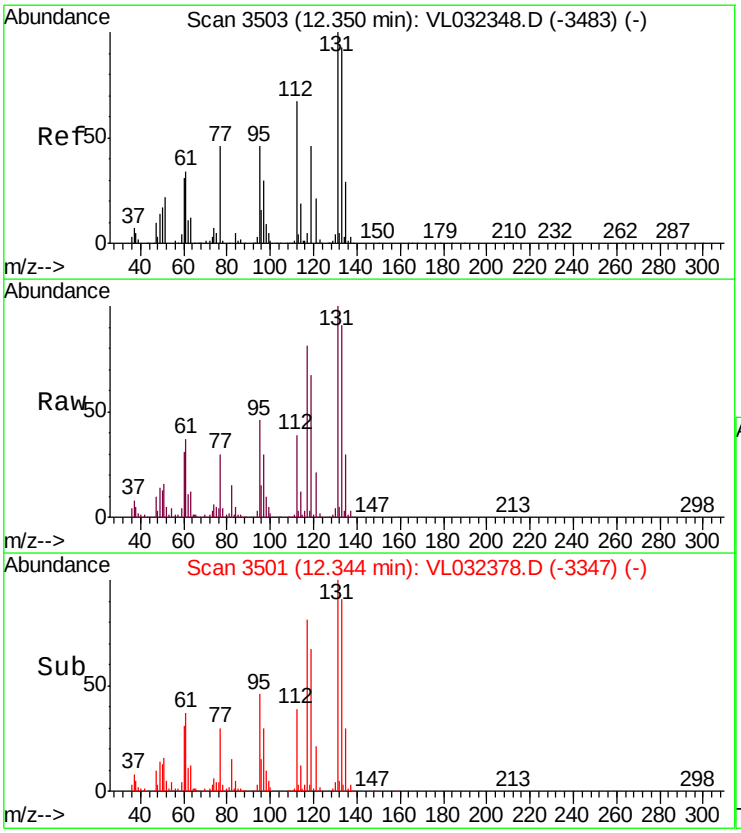
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 3991305

Ion	Ratio	Lower	Upper
117	100		
82	56.0	55.1	82.7
119	46.1	46.0	69.0

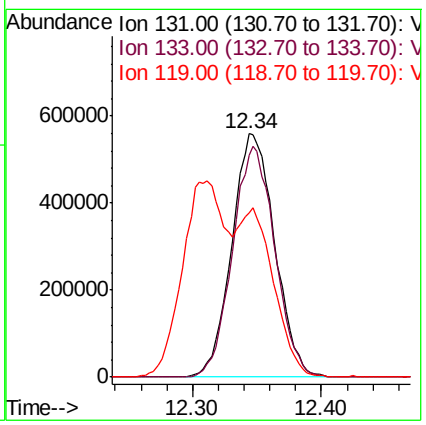


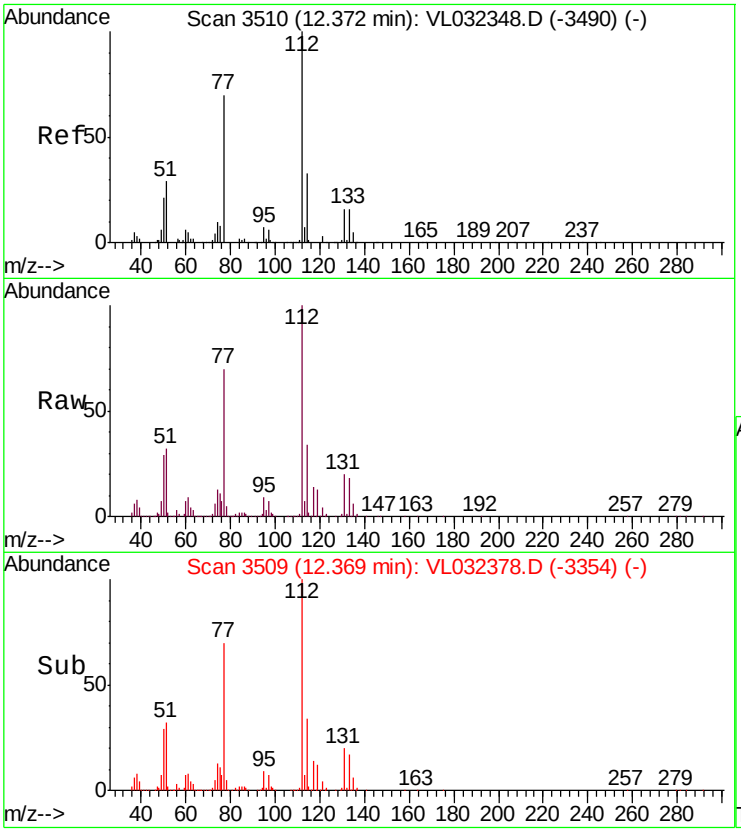


#56
1,1,1,2-Tetrachloroethane
Concen: 7.807 ppbv
RT: 12.34 min Scan# 3501
Delta R.T. -0.01 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:131 Resp: 1288997

Ion	Ratio	Lower	Upper
131	100		
133	93.9	75.7	113.5
119	142.6	116.0	174.0



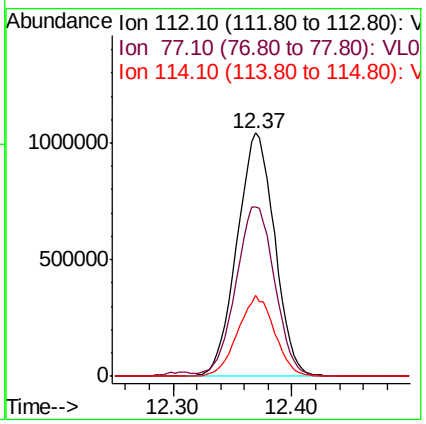


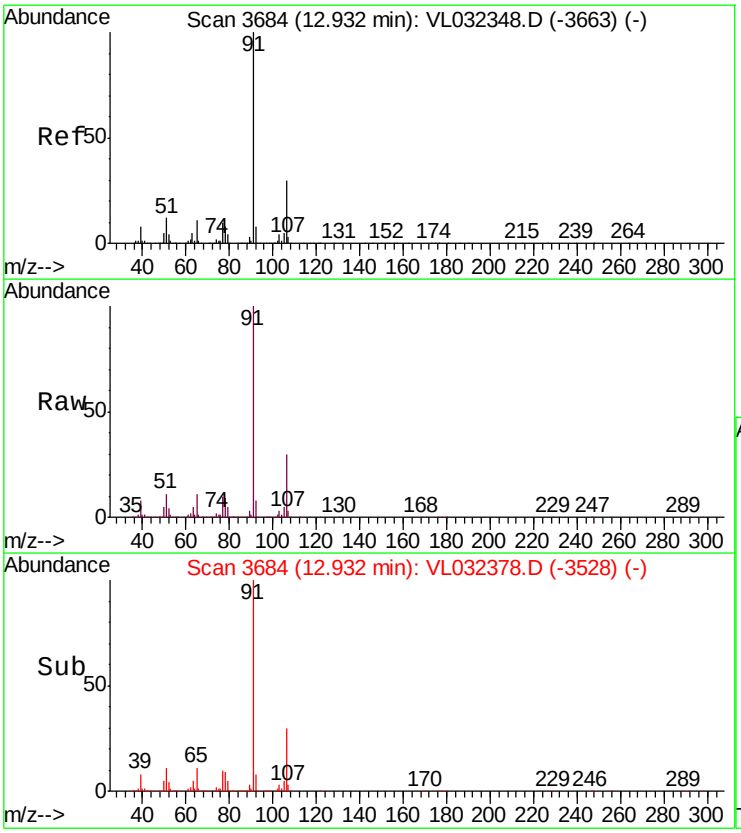
#57
Chlorobenzene
Concen: 7.585 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 2278849

Ion	Ratio	Lower	Upper
112	100		
77	69.6	56.6	84.8
114	33.6	29.4	36.0

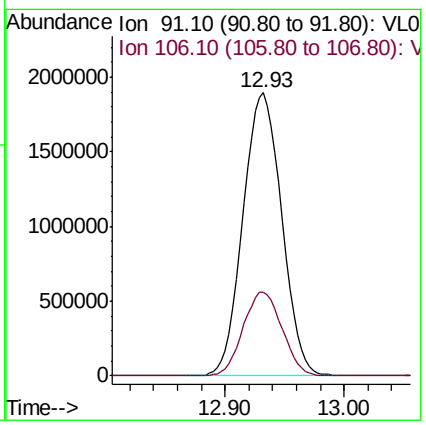


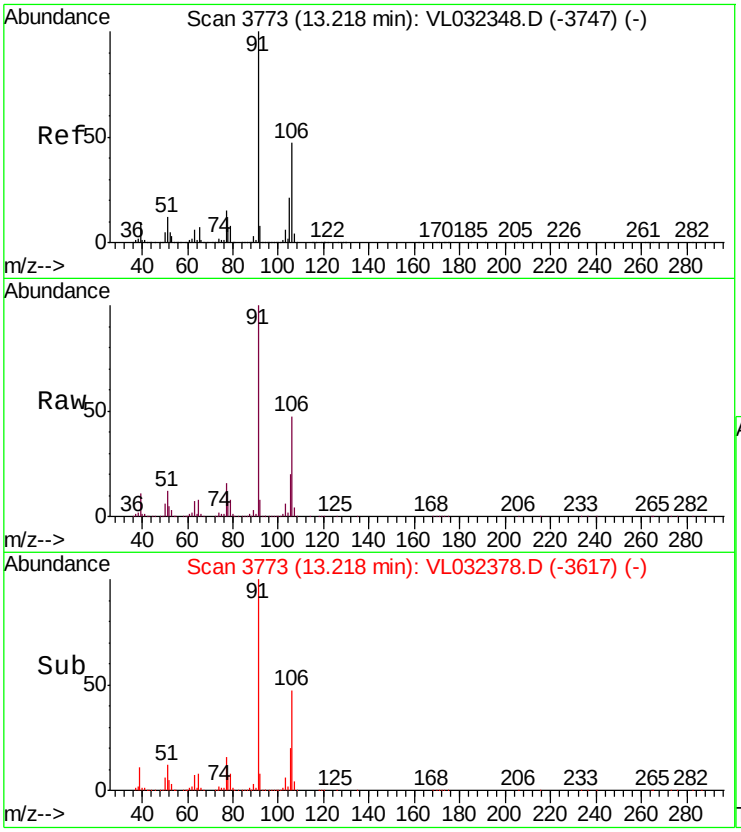


#58
Ethyl Benzene
Concen: 8.891 ppbv
RT: 12.93 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 91 Resp: 4269769

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.3	36.5



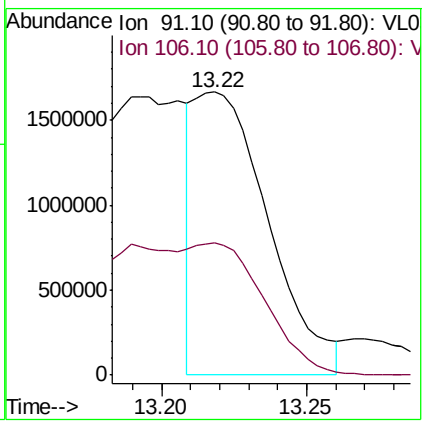


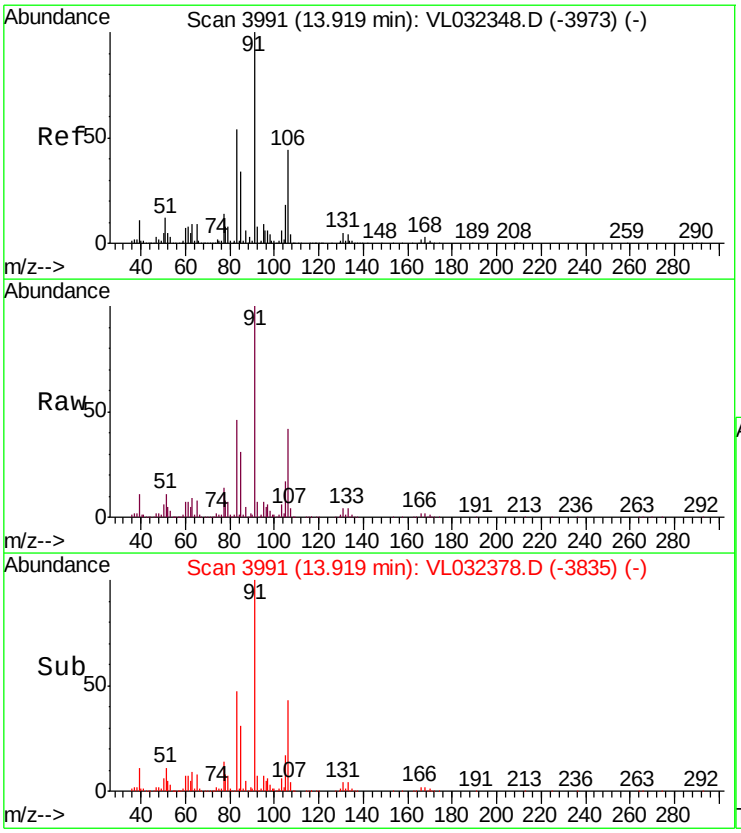
#59
m/p-Xylene
Concen: 7.186 ppbv
RT: 13.22 min Scan# 3773
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2931274

Ion	Ratio	Lower	Upper
91	100		
106	106.0	37.0	55.4#

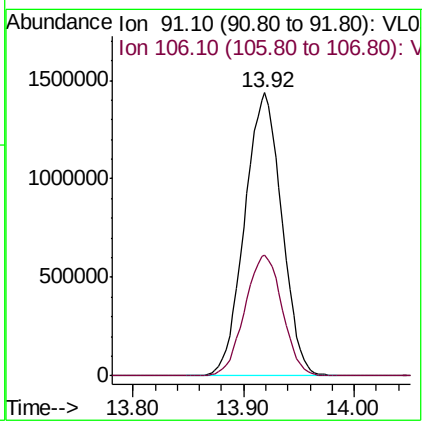


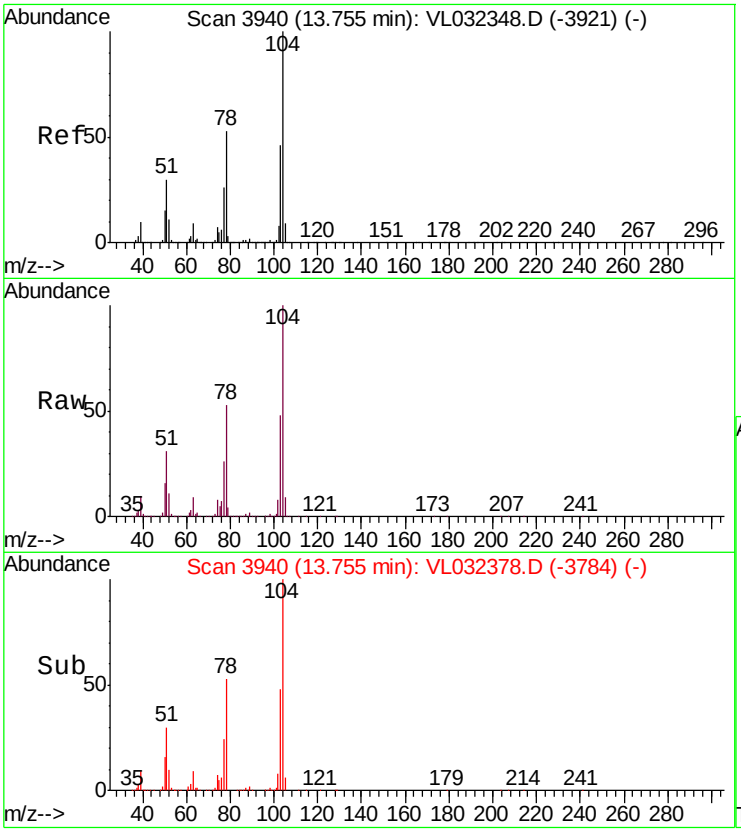


#60
o-Xylene
Concen: 8.342 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 91 Resp: 3344750

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.3	66.8



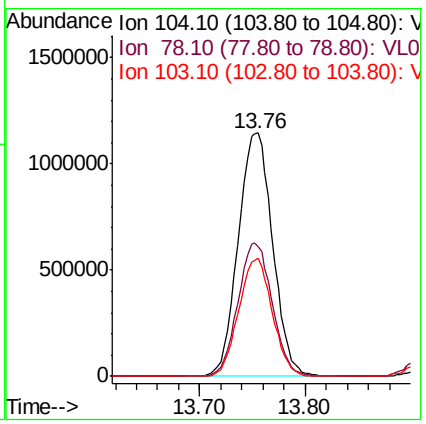


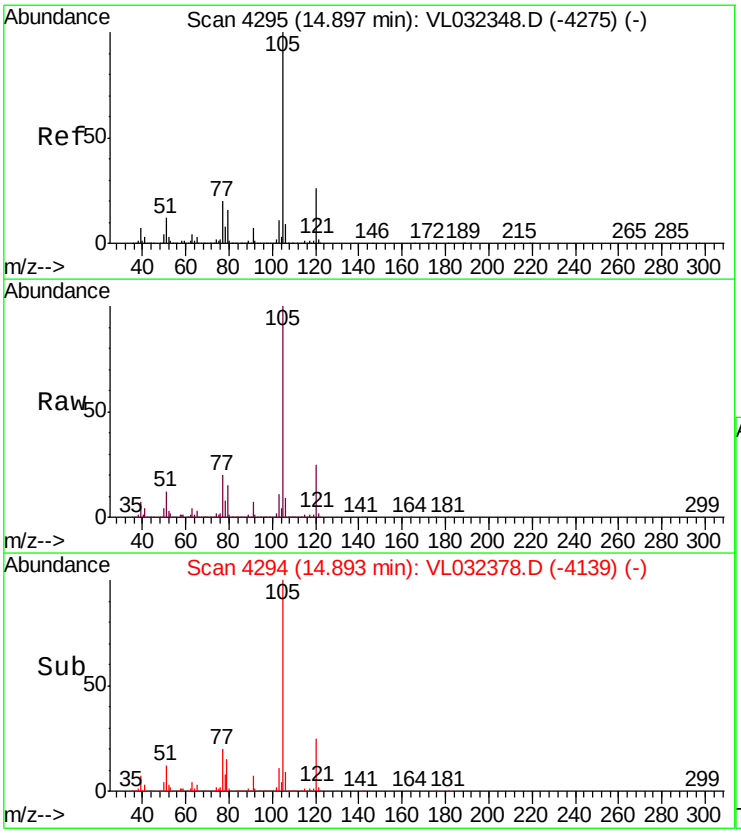
#61
Styrene
Concen: 9.283 ppbv
RT: 13.76 min Scan# 3940
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2601303

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.6	64.0
103	47.3	38.0	57.0

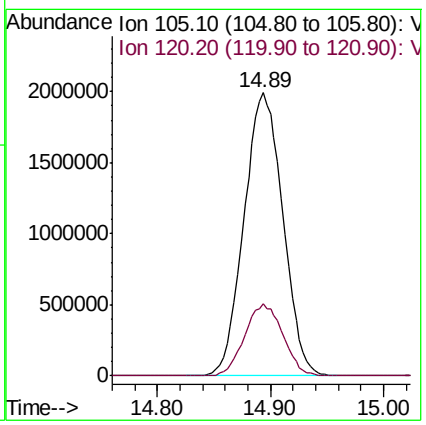


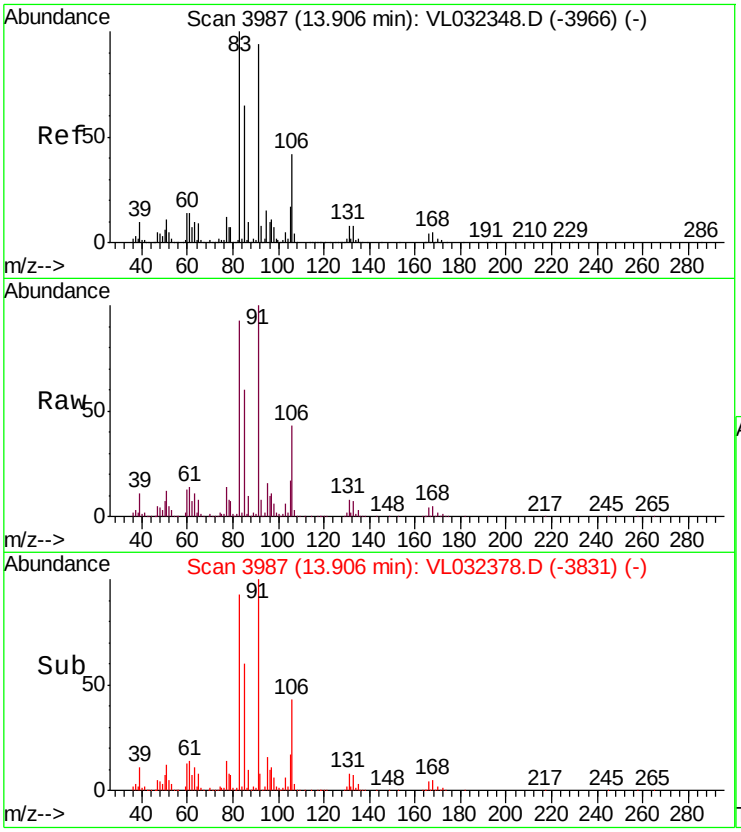


#62
Isopropylbenzene
Concen: 8.330 ppbv
RT: 14.89 min Scan# 4294
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:105 Resp: 4754023

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.6	30.8



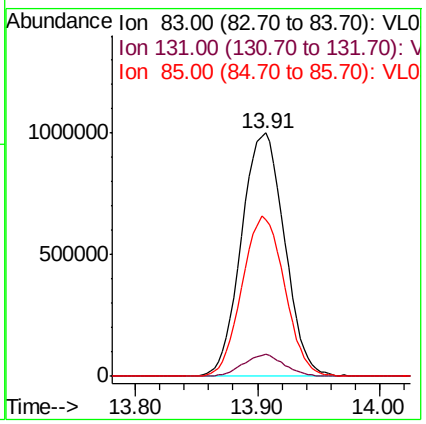


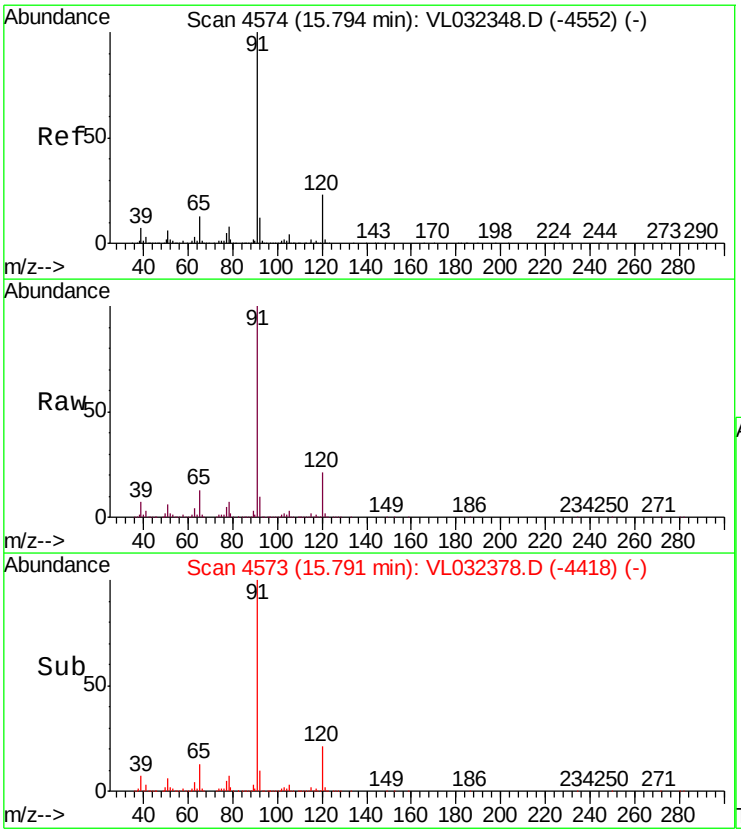
#63
1,1,2,2-Tetrachloroethane
Concen: 7.269 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 83 Resp: 2450721

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	65.3	32.4	97.2

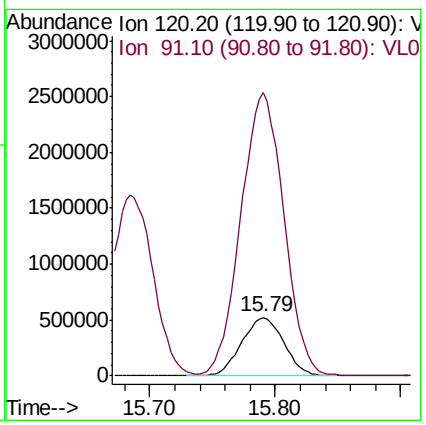


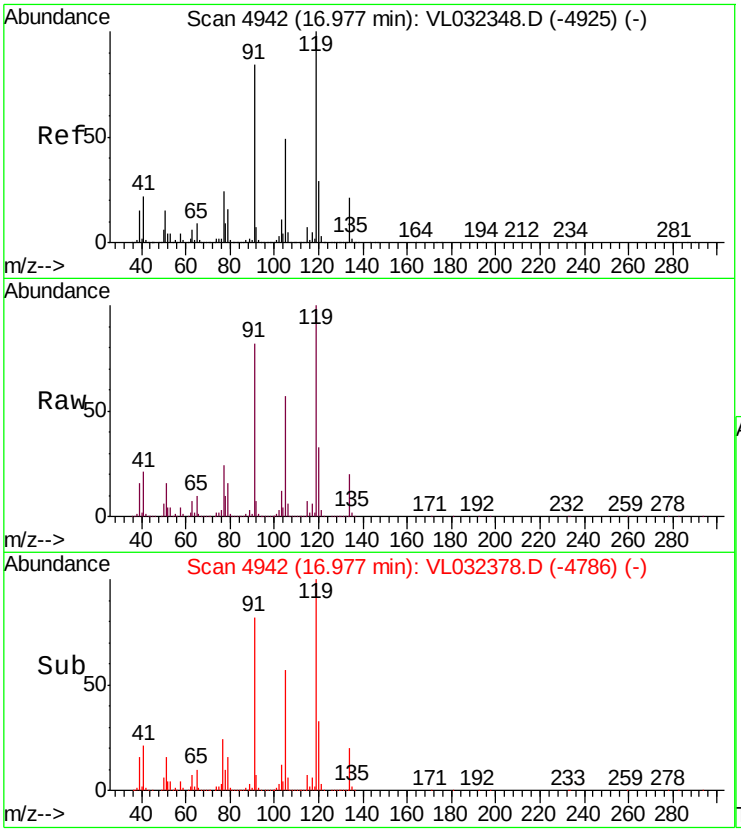


#64
n-propylbenzene
Concen: 8.284 ppbv
RT: 15.79 min Scan# 4573
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:120 Resp: 1223717

Ion	Ratio	Lower	Upper
120	100		
91	495.3	382.2	573.2



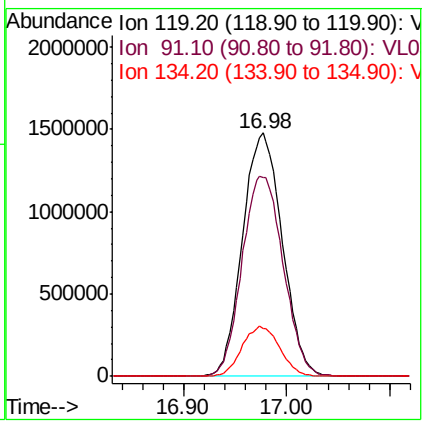


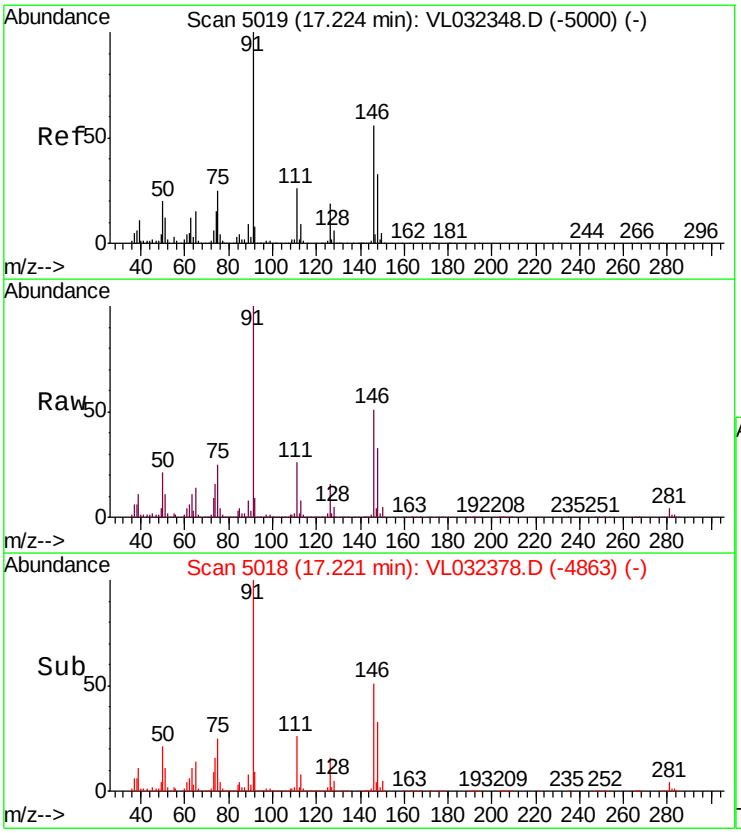
#65
tert-Butylbenzene
Concen: 8.116 ppbv
RT: 16.98 min Scan# 4942
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3956768

Ion	Ratio	Lower	Upper
119	100		
91	85.1	67.4	101.0
134	19.5	15.8	23.6

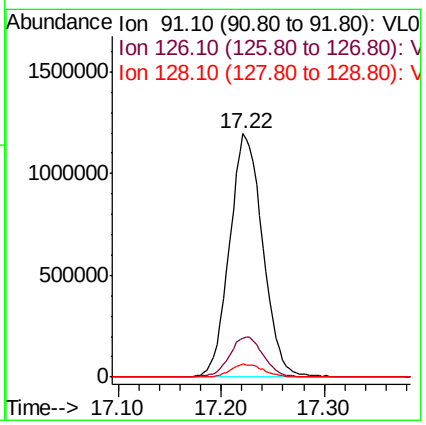


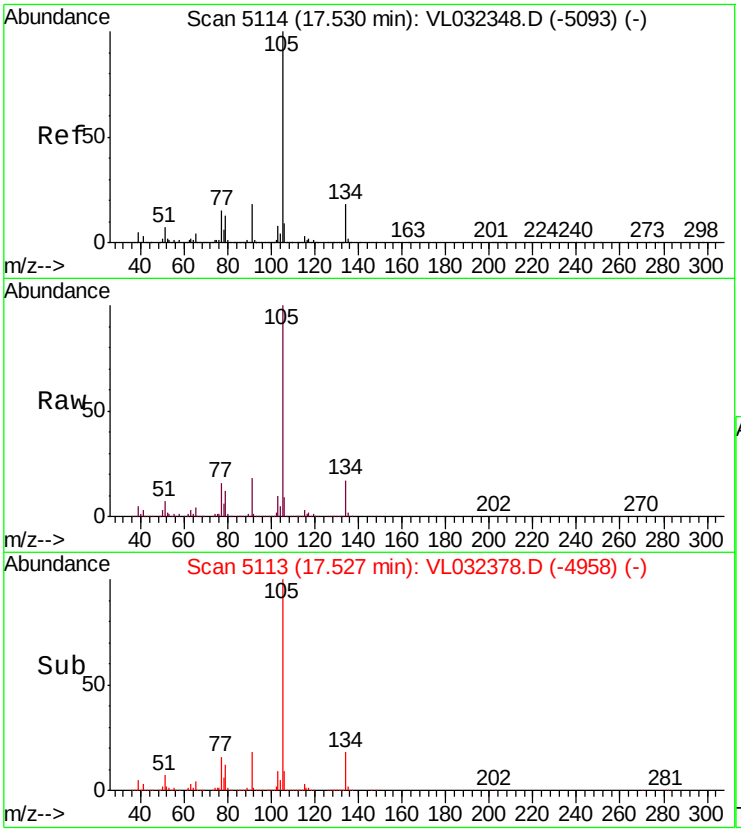


#66
Benzyl Chloride
Concen: 9.263 ppbv
RT: 17.22 min Scan# 5018
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 91 Resp: 2673810

Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.2	21.4
128	5.3	4.5	6.7



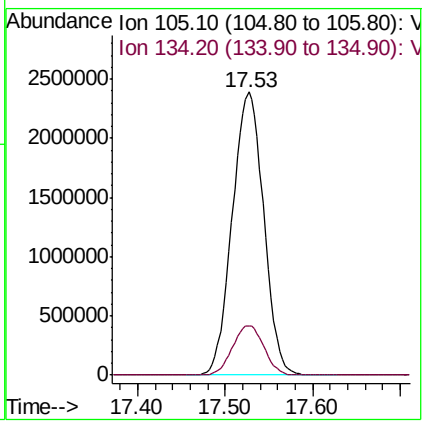


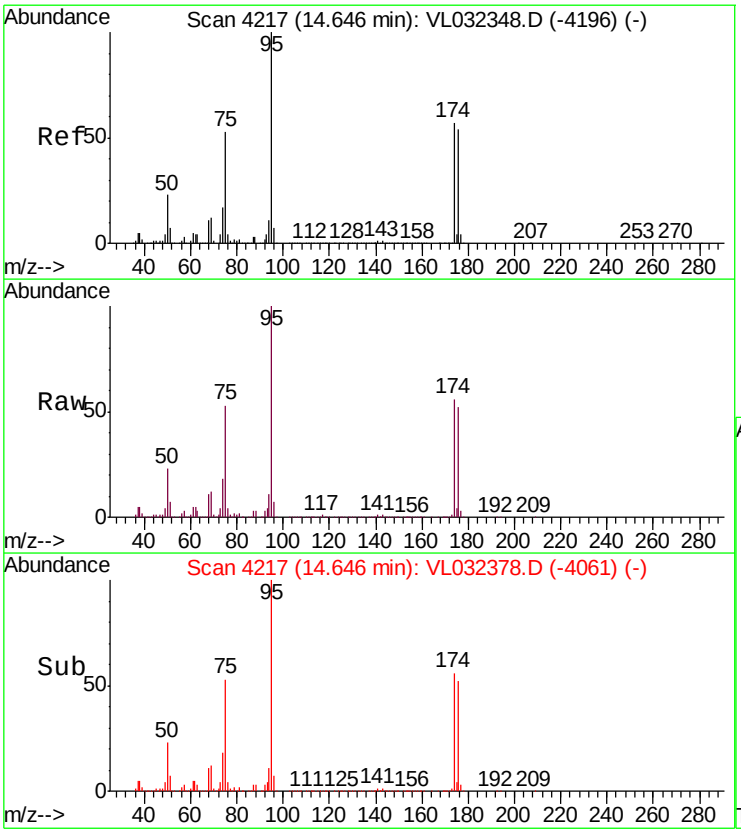
#67
sec-Butylbenzene
Concen: 8.208 ppbv
RT: 17.53 min Scan# 5113
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 5950398

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.4	21.6

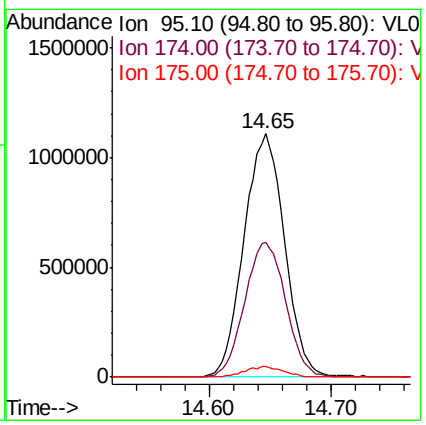


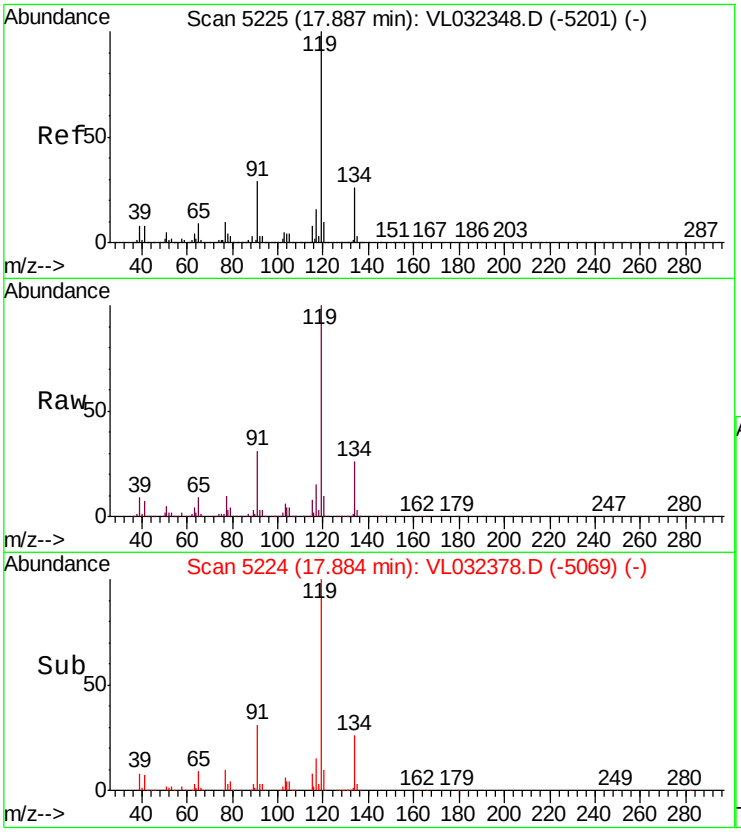


#68
1-Bromo-4-Fluorobenzene
Concen: 8.352 ppbv
RT: 14.65 min Scan# 4217
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 95 Resp: 2543265

Ion	Ratio	Lower	Upper
95	100		
174	56.0	46.2	69.4
175	4.2	3.4	5.0



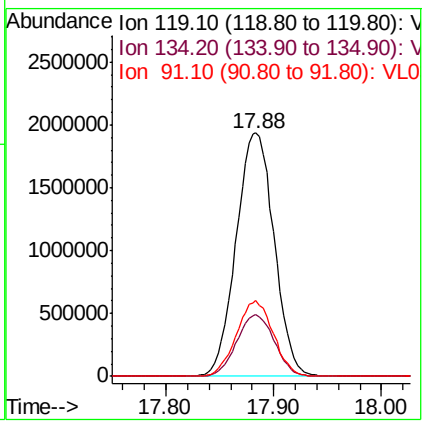


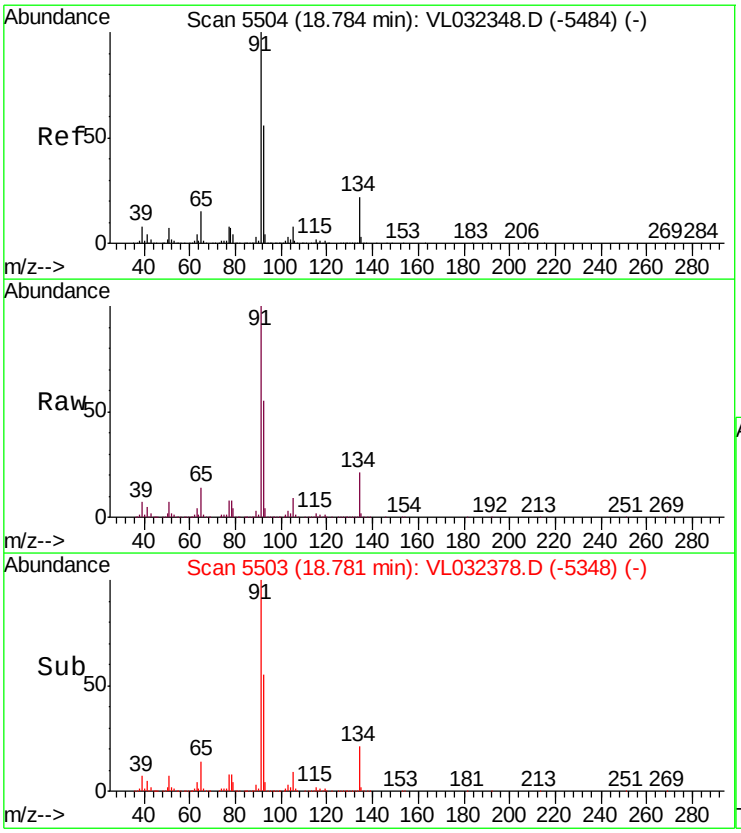
#69
p-Isopropyltoluene
Concen: 8.527 ppbv
RT: 17.88 min Scan# 5224
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 4731205

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	30.3	23.6	35.4

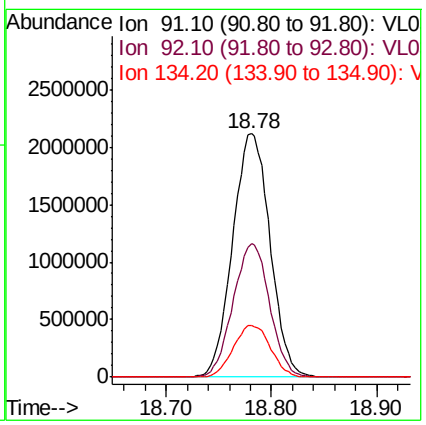


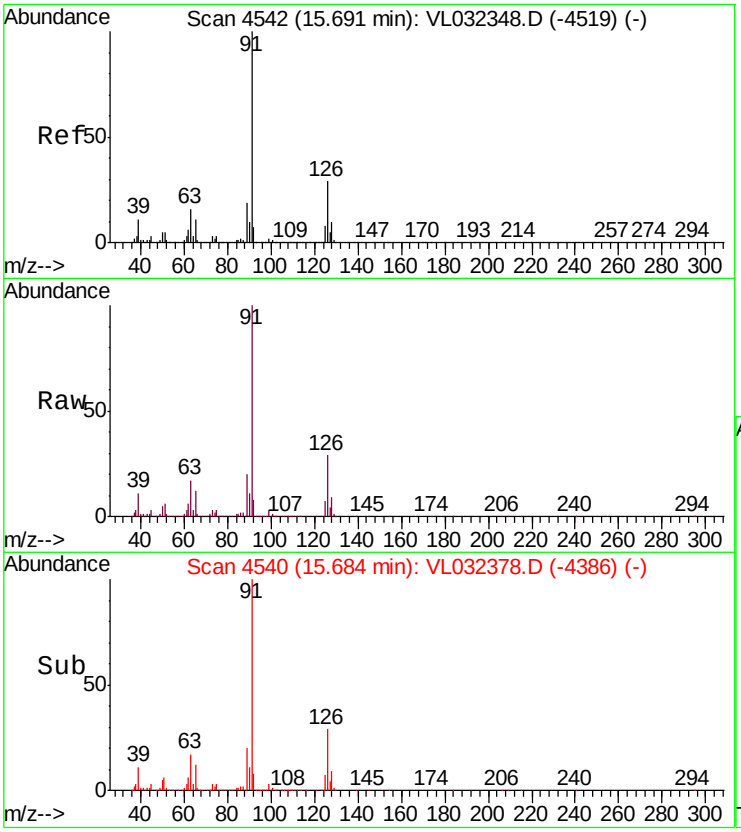


#70
n-Butylbenzene
Concen: 8.548 ppbv
RT: 18.78 min Scan# 5503
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion: 91 Resp: 5200035

Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.9	65.9
134	21.2	17.3	25.9



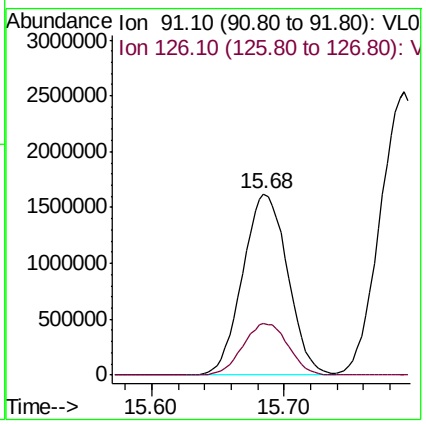


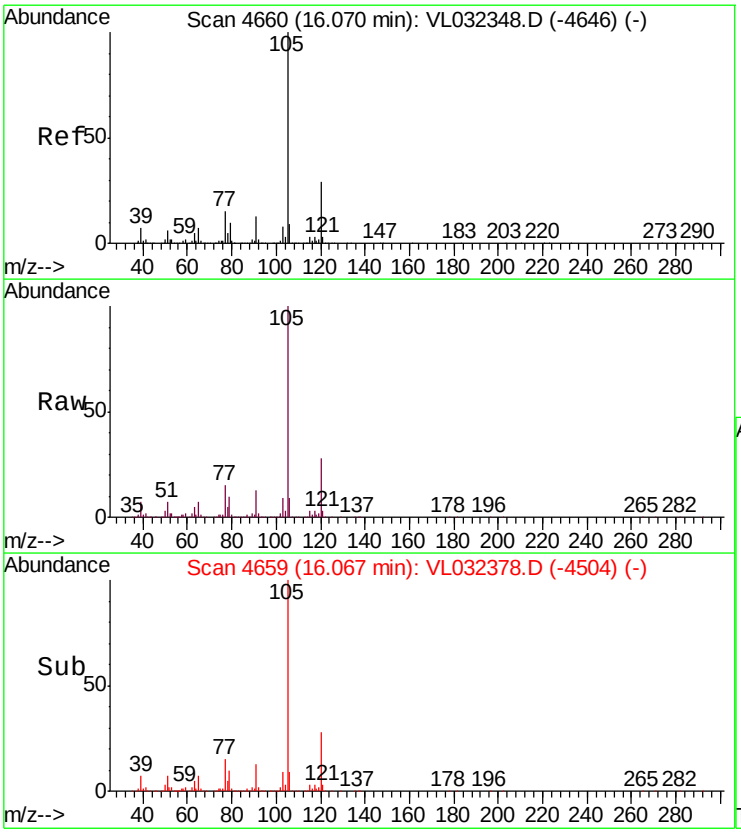
#71
2-Chlorotoluene
Concen: 8.670 ppbv
RT: 15.68 min Scan# 4540
Delta R.T. -0.01 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 3829664

Ion	Ratio	Lower	Upper
91	100		
126	28.8	11.8	47.2

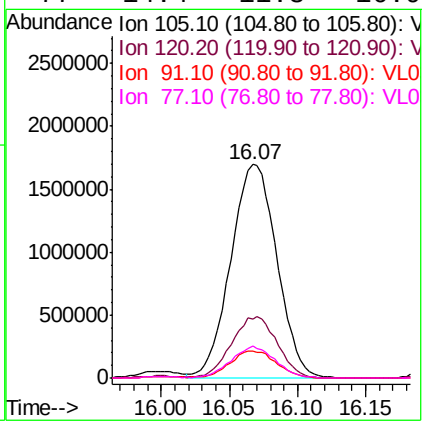


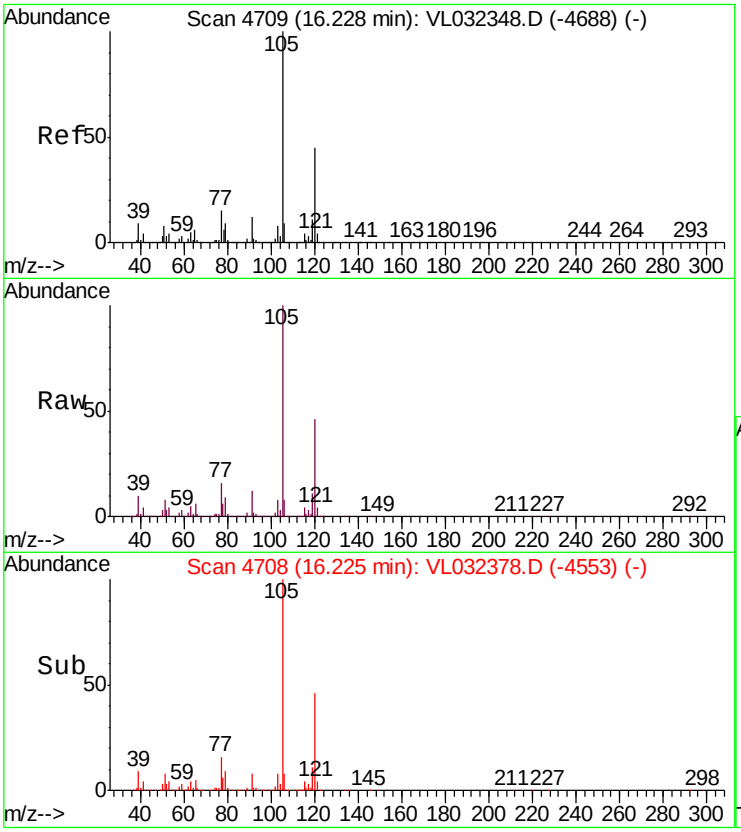


#72
4-Ethyltoluene
Concen: 8.881 ppbv
RT: 16.07 min Scan# 4659
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:105 Resp: 3971773

Ion	Ratio	Lower	Upper
105	100		
120	28.6	23.4	35.0
91	12.9	10.0	15.0
77	14.4	11.3	16.9



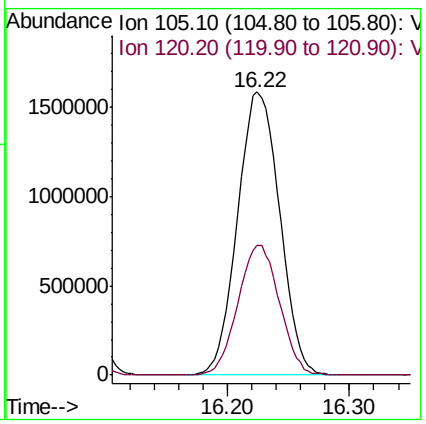


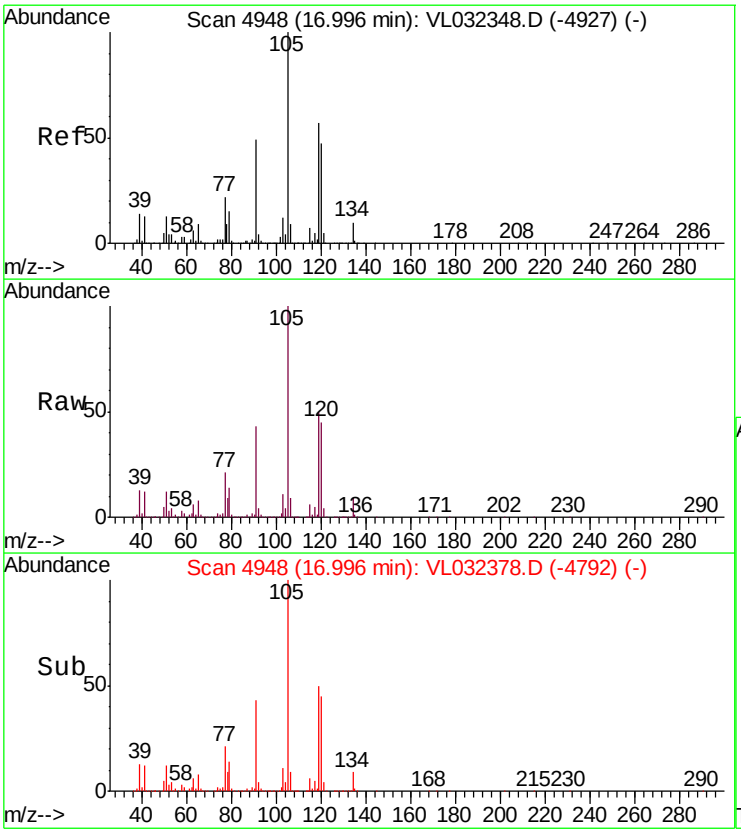
#73
1,3,5-Trimethylbenzene
Concen: 8.787 ppbv
RT: 16.22 min Scan# 4708
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3779564

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.3	54.5

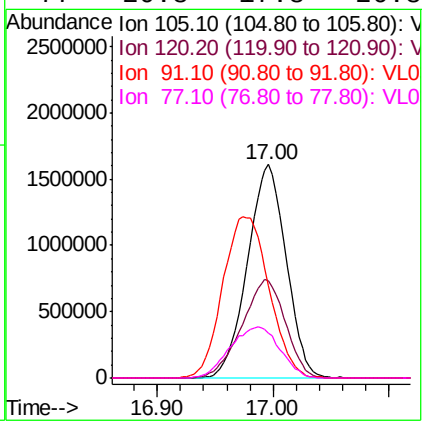


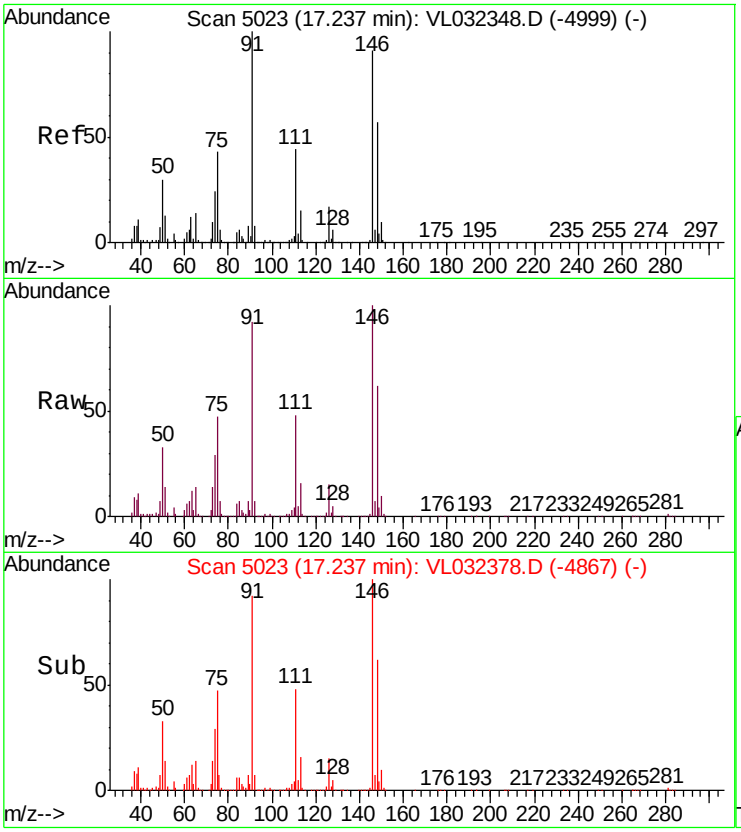


#74
1,2,4-Trimethylbenzene
Concen: 8.146 ppbv
RT: 17.00 min Scan# 4948
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:105 Resp: 3728334

Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.6	56.4
91	42.8	39.9	59.9
77	20.8	17.8	26.8



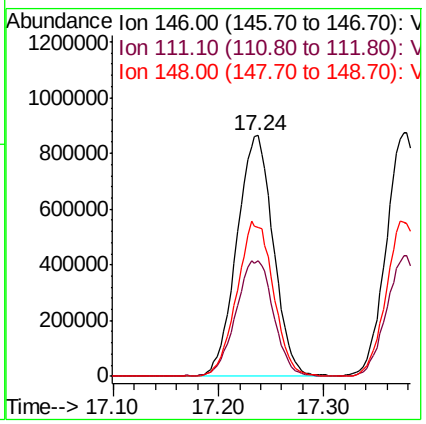


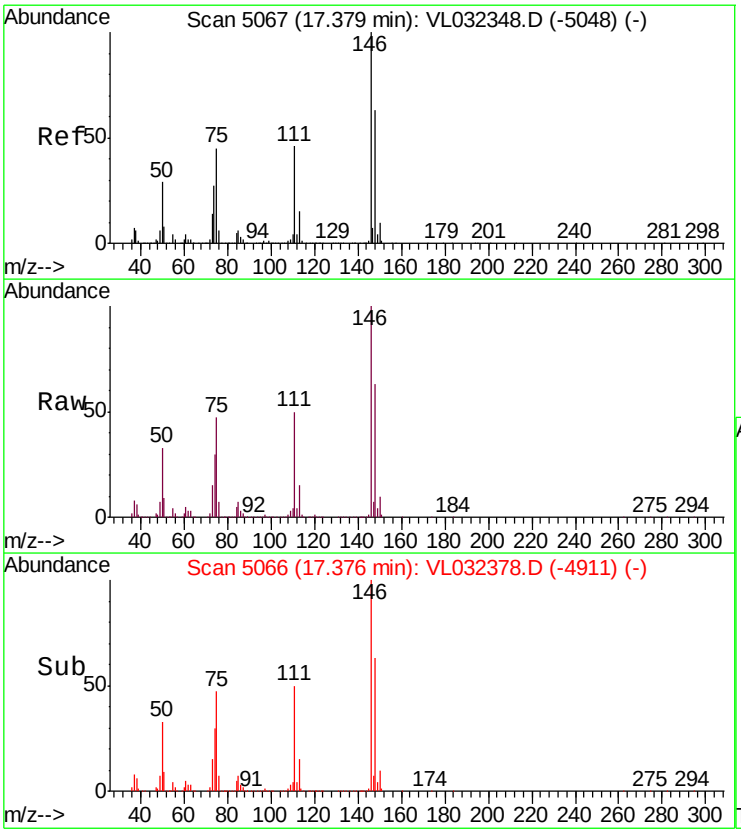
#75
1,3-Dichlorobenzene
Concen: 7.562 ppbv
RT: 17.24 min Scan# 5023
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 2080013

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.6	73.8
148	64.1	32.0	96.0

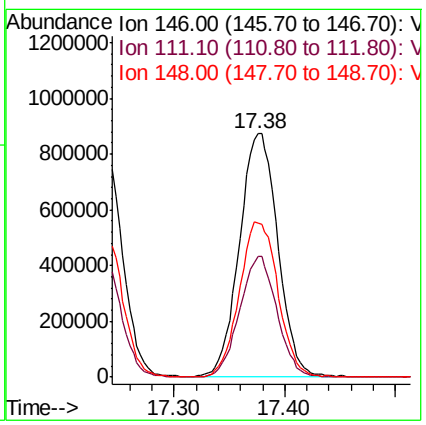


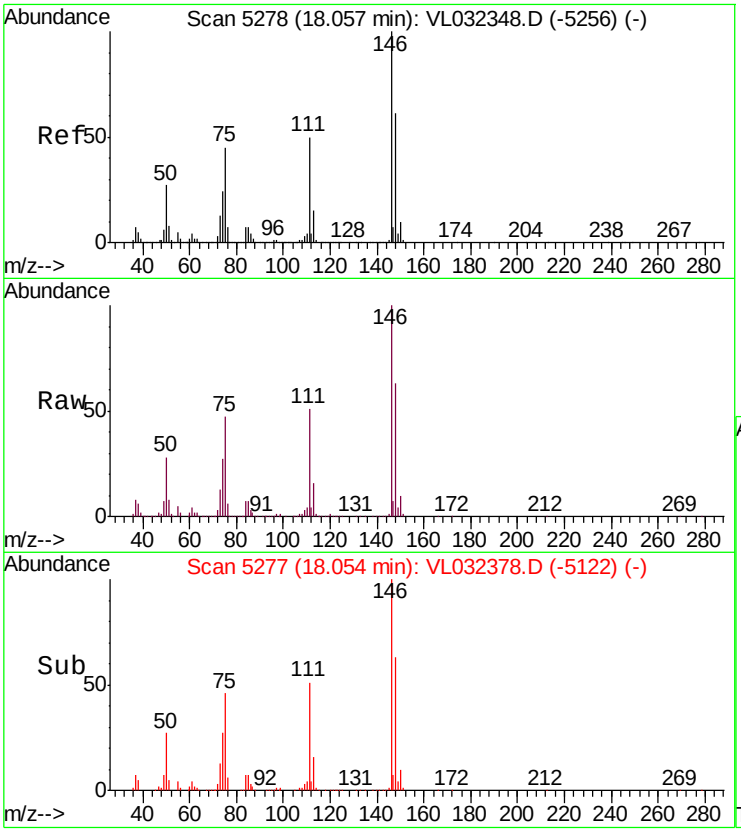


#76
1,4-Dichlorobenzene
Concen: 8.029 ppbv
RT: 17.38 min Scan# 5066
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:146 Resp: 2091702

Ion	Ratio	Lower	Upper
146	100		
111	48.2	23.8	71.4
148	64.8	32.2	96.6



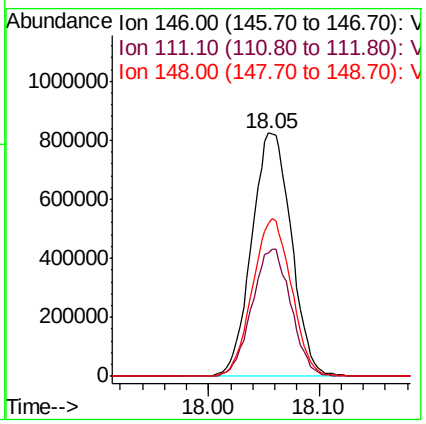


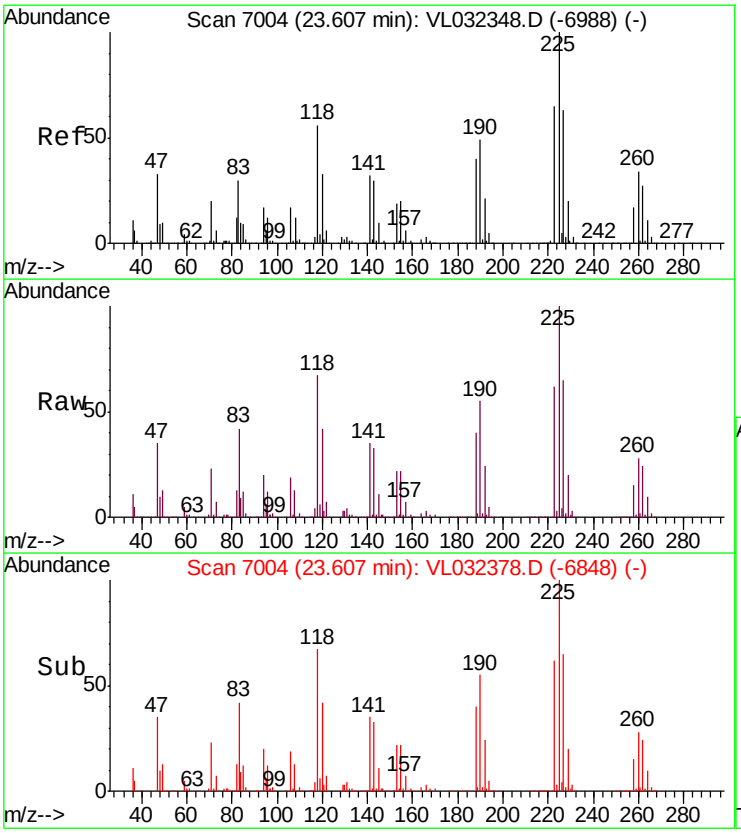
#77
1,2-Dichlorobenzene
Concen: 7.788 ppbv
RT: 18.05 min Scan# 5277
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 2046647

Ion	Ratio	Lower	Upper
146	100		
111	51.6	25.2	75.6
148	63.8	31.8	95.4

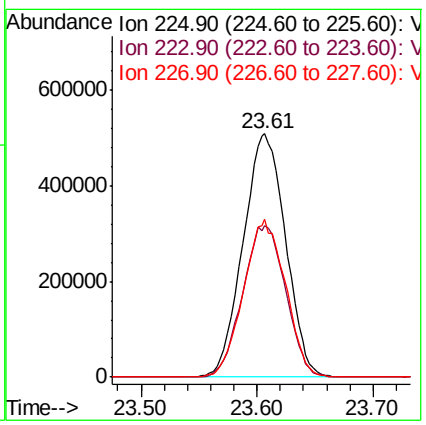


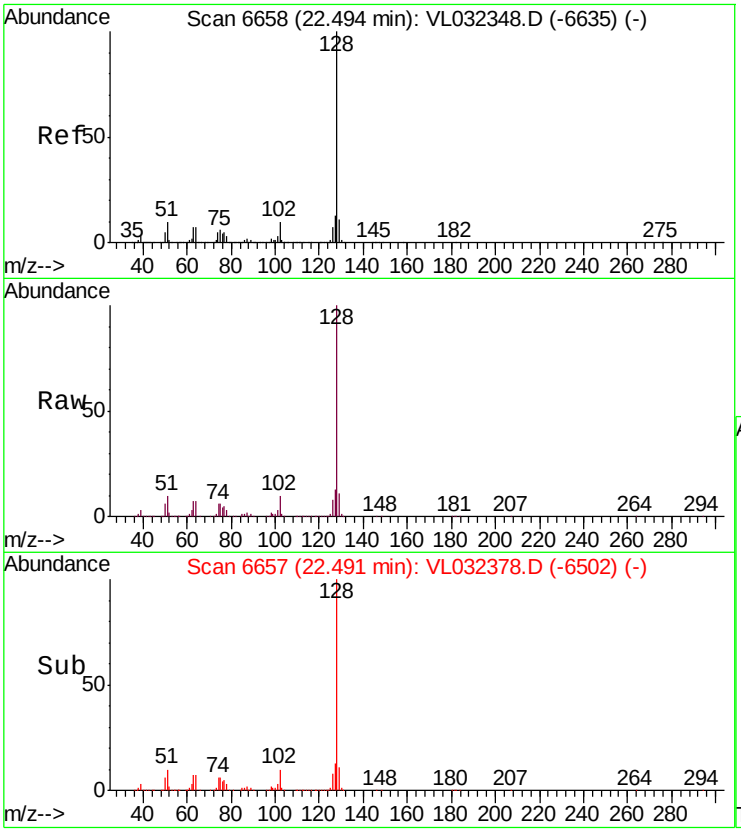


#78
Hexachloro-1,3-Butadiene
Concen: 14.674 ppbv
RT: 23.61 min Scan# 7004
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:225 Resp: 1294479

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	63.8	51.0	76.6



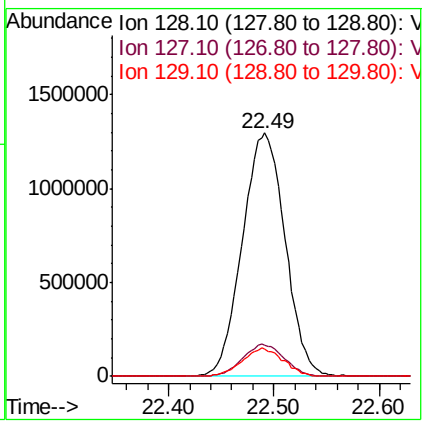


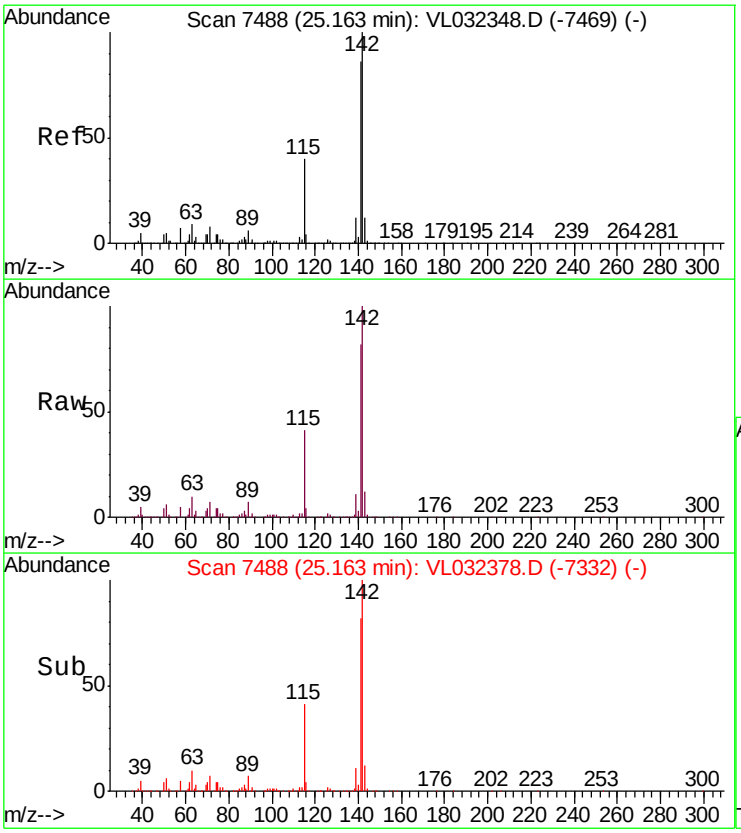
#79
Naphthalene
Concen: 8.589 ppbv
RT: 22.49 min Scan# 6657
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3655844

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.3	8.6	13.0

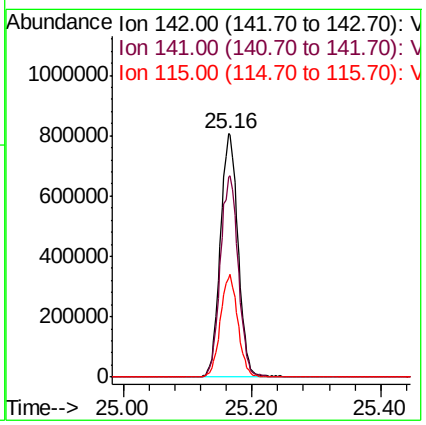


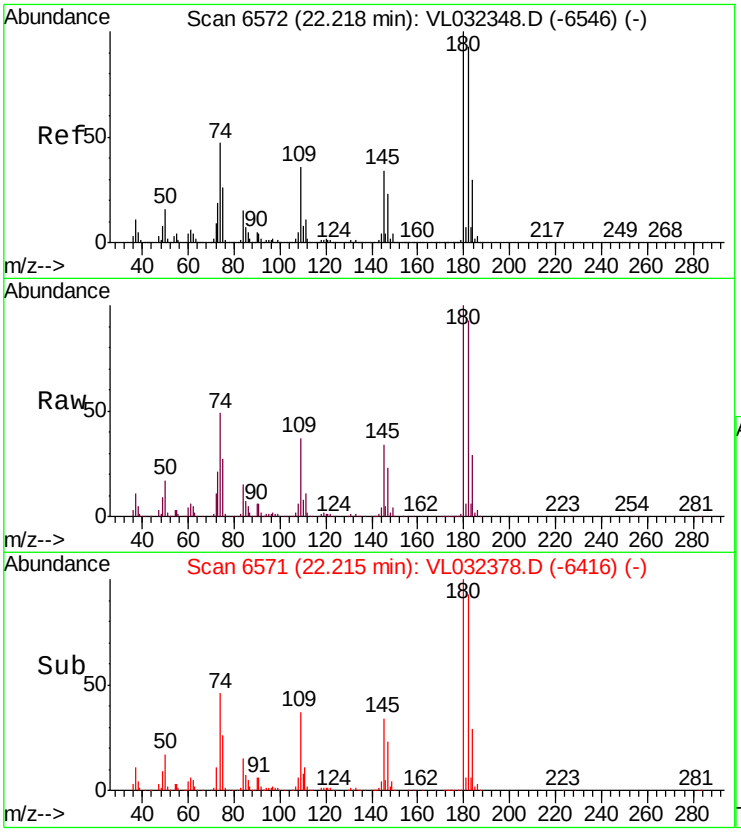


#80
Naphthalene,2-methyl-
Concen: 16.877 ppbv
RT: 25.16 min Scan# 7488
Delta R.T. 0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Tgt Ion:142 Resp: 1541116

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.7	100.1
115	41.3	31.0	46.6





#81
1,2,4-Trichlorobenzene
Concen: 9.715 ppbv
RT: 22.21 min Scan# 6571
Delta R.T. -0.00 min
Lab File: VL032378.D
Acq: 16 Aug 2018 14:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1719526

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
184	30.2	24.2	36.2