Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031264.D
Acq On : 20 Dec 2017 9:38
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 21 08:31:57 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1695384	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	4413048	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.42	117	4529412	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	3268369	10.14	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	1222338	8.53	ppbv		98
3) Chlorodifluoromethane	3.11	51	2097841	10.88	ppbv		97
4) Chloromethane	3.27	50	1019022	9.79	ppbv		96
5) Vinyl Chloride	3.40	62	1006897	9.35	ppbv		100
6) Bromomethane	3.63	94	676624	10.60	ppbv		98
7) Chloroethane	3.71	64	397459	9.96	ppbv		95
8) Dichlorotetrafluoroethane	3.32	85	1835060	9.23	ppbv		98
9) Propene	3.14	41	929848	9.83	ppbv		100
10) Heptane	8.41	43	2696477	9.36	ppbv		100
11) Trichlorofluoromethane	4.13	101	2606529	11.07	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1614763	9.79	ppbv		96
13) Ethanol	3.76	45	223402	8.19	ppbv		100
14) Bromoethene	3.91	108	769284	10.85	ppbv		98
15) Acetone	4.02	43	1915485	8.56	ppbv		99
16) 1,3-Butadiene	3.47	39	1266252	13.16	ppbv	#	75
17) tert-Butyl alcohol	4.48	59	1010135	8.04	ppbv		99
18) 1,1-Dichloroethene	4.48	96	769978	10.42	ppbv		93
19) Isopropyl Alcohol	4.14	45	1325000	9.36	ppbv	#	43
20) Methylene Chloride	4.54	84	719700	9.72	ppbv		99
21) Allyl Chloride	4.61	41	1244169	9.45	ppbv		95
22) trans-1,2-Dichloroethene	5.10	96	870404	9.58	ppbv		97
23) Vinyl Acetate	5.30	43	3048251	8.46	ppbv		99
24) 1,1-Dichloroethane	5.23	63	2501048	9.55	ppbv		100
25) Ethyl Acetate	5.92	43	4117129	9.01	ppbv		100
26) Hexane	5.93	57	1986496	9.16	ppbv		96
27) Carbon Disulfide	4.76	76	2083517	9.60	ppbv		100
28) Methyl tert-Butyl Ether	5.25	73	2420124	8.54	ppbv		98
29) Chloroform	6.00	83	2948560	10.07	ppbv		99
30) Cyclohexane	7.41	84	1695261	8.88	ppbv		99
31) cis-1,2-Dichloroethene	5.79	61	1890281	9.61	ppbv		99
32) 1,1,1-Trichloroethane	6.78	97	3007063	9.61	ppbv		98
34) 2-Butanone	5.47	43	2869614	9.21	ppbv		99
35) Carbon Tetrachloride	7.30	117	3149734	9.96	ppbv		99
36) Benzene	7.17	78	4164741	8.91	ppbv		98
37) 1,2-Dichloroethane	6.57	62	2519837	9.77	ppbv		98
38) Trichloroethene	8.13	130	1573908	8.63	ppbv		98
39) 1,2-Dichloropropane	7.90	63	1513953	9.16	ppbv		96
40) 1,4-Dioxane	8.12	88	629049	10.54	ppbv	#	92
41) Tetrahydrofuran	6.30	42	1630012	9.30	ppbv		99
42) Bromodichloromethane	8.08	83	3185885	10.47	ppbv		99
43) Methyl Methacrylate	8.30	69	1553306	9.92	ppbv		98

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031264.D
Acq On : 20 Dec 2017 9:38
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 21 08:31:57 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.16	57	6260504	8.86	ppbv		99
45) t-1,3-Dichloropropene	9.58	75	2072178	9.67	ppbv		99
46) cis-1,3-Dichloropropene	9.00	75	2640143	9.80	ppbv		99
47) 1,1,2-Trichloroethane	9.79	97	1682422	9.81	ppbv		98
48) Dibromochloromethane	10.63	129	2797158	10.44	ppbv		100
49) Bromoform	13.38	173	1998608	10.11	ppbv		100
50) 4-Methyl-2-Pentanone	9.04	43	3658689	9.59	ppbv		99
51) 2-Hexanone	10.44	43	3622983	9.95	ppbv	#	98
52) Tetrachloroethene	11.55	164	1414528	8.20	ppbv		97
53) Toluene	10.12	91	4763718	9.39	ppbv		99
54) 1,2-Dibromoethane	10.94	107	2535828	9.76	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.46	131	1859834	9.20	ppbv		100
57) Chlorobenzene	12.48	112	3651969	8.65	ppbv		99
58) Ethyl Benzene	13.04	91	6359165	8.50	ppbv		99
59) m/p-Xylene	13.33	91	5591031	9.34	ppbv	#	44
60) o-Xylene	14.03	91	5105080	8.46	ppbv		99
61) Styrene	13.86	104	1490572	8.61	ppbv		98
62) Isopropylbenzene	15.00	105	6648665	8.40	ppbv		100
63) 1,1,2,2-Tetrachloroethane	14.01	83	3290926	8.14	ppbv		98
64) n-propylbenzene	15.90	120	1780077	8.48	ppbv		95
65) tert-Butylbenzene	17.08	119	5727905	8.17	ppbv		99
66) Benzyl Chloride	17.33	91	244687	3.24	ppbv	#	67
67) sec-Butylbenzene	17.63	105	7971497	8.27	ppbv		100
69) p-Isopropyltoluene	17.99	119	6609863	8.22	ppbv		99
70) n-Butylbenzene	18.89	91	6610316	8.53	ppbv		99
71) 2-Chlorotoluene	15.79	91	5094380	8.67	ppbv		100
72) 4-Ethyltoluene	16.18	105	5577955	8.44	ppbv		99
73) 1,3,5-Trimethylbenzene	16.33	105	4935280	8.39	ppbv		99
74) 1,2,4-Trimethylbenzene	17.10	105	5085835	8.22	ppbv		98
75) 1,3-Dichlorobenzene	17.34	146	3217896	8.20	ppbv		99
76) 1,4-Dichlorobenzene	17.48	146	3266961	8.24	ppbv		98
77) 1,2-Dichlorobenzene	18.16	146	3152084	8.22	ppbv		98
78) Hexachloro-1,3-Butadiene	23.71	225	1443480	16.39	ppbv		99
79) Naphthalene	22.61	128	4124621	8.24	ppbv		99
80) Naphthalene,2-methyl-	25.25	142	1789276	9.59	ppbv		98
81) 1,2,4-Trichlorobenzene	22.34	180	1965968	8.43	ppbv		100

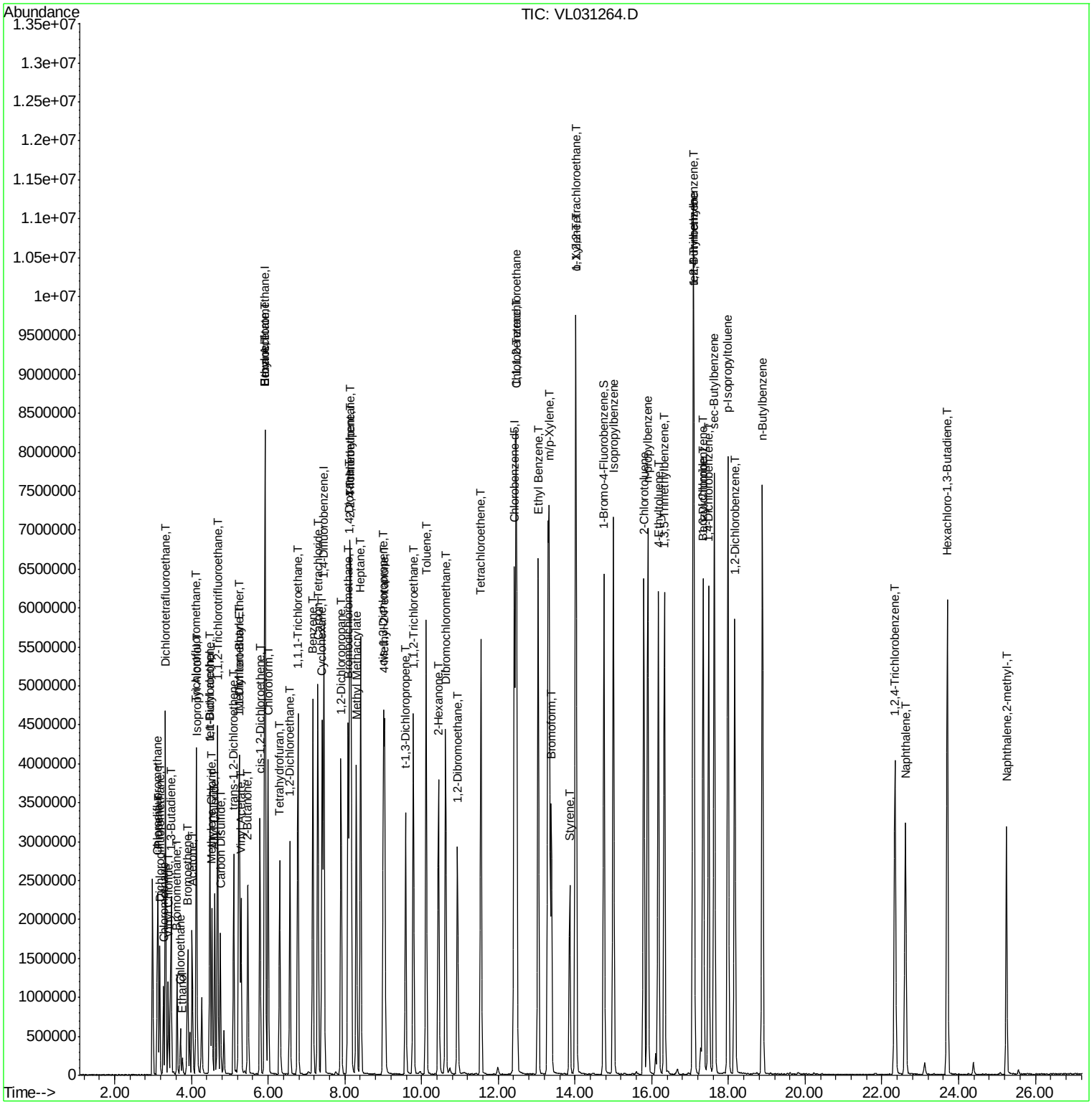
(#) = qualifier out of range (m) = manual integration (+) = signals summed

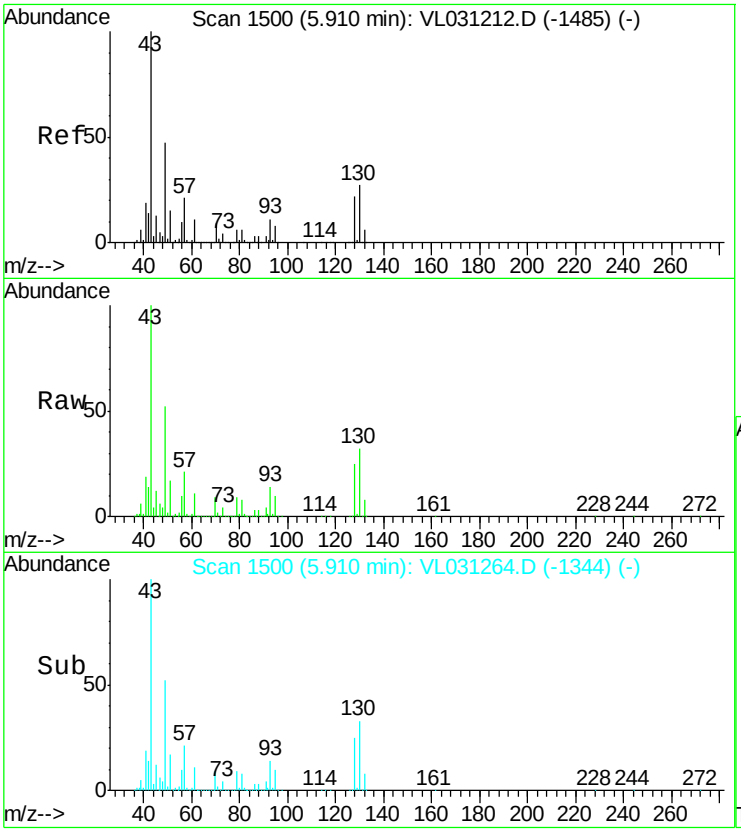
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031264.D
Acq On : 20 Dec 2017 9:38
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 21 08:31:57 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration



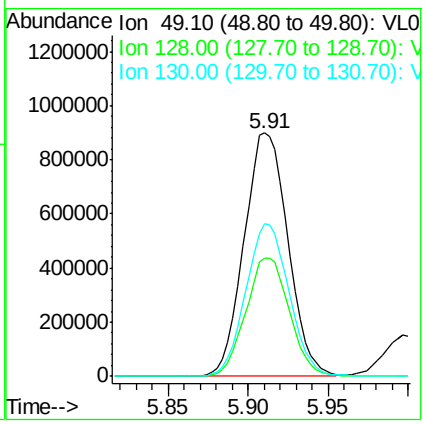


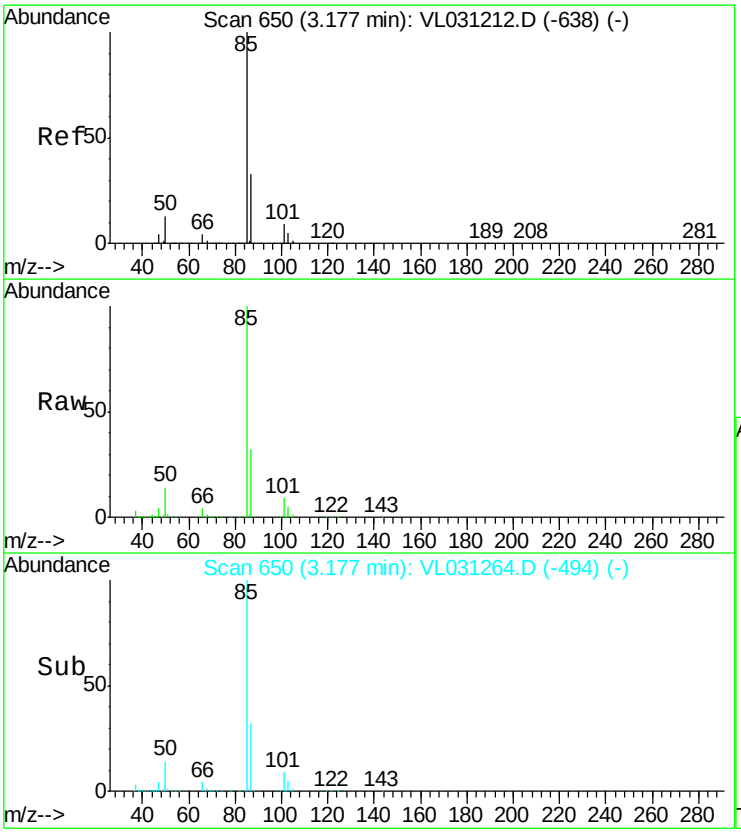
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 1695384

Ion	Ratio	Lower	Upper
49	100		
128	48.5	23.2	69.5
130	62.0	29.6	88.8

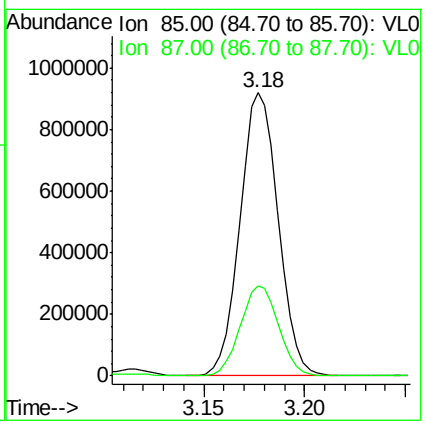


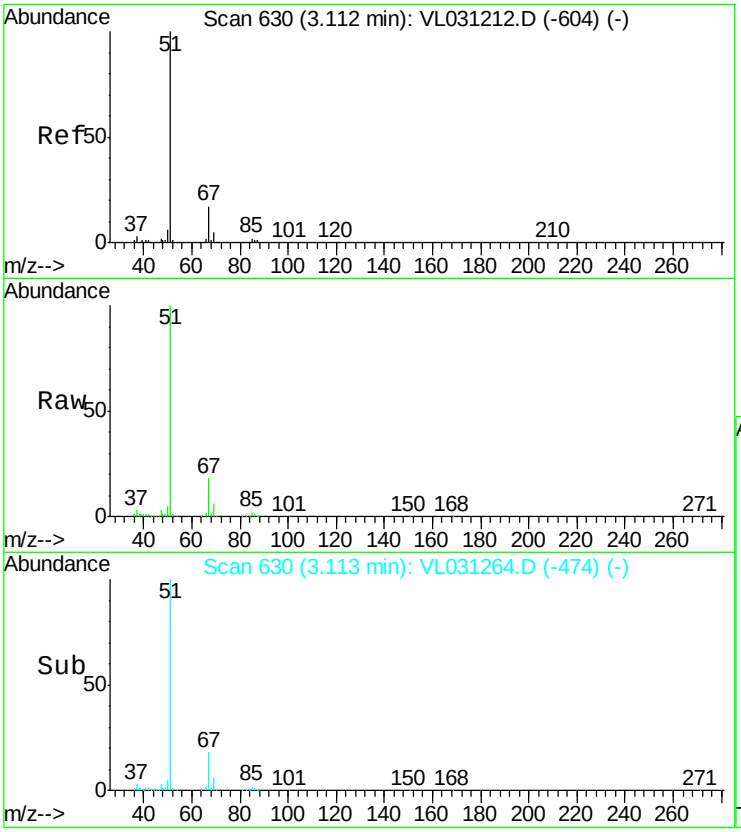


#2
Dichlorodifluoromethane
Concen: 8.53 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 85 Resp: 1222338

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.2	39.2



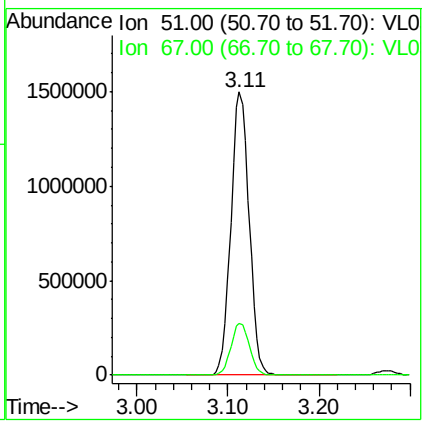


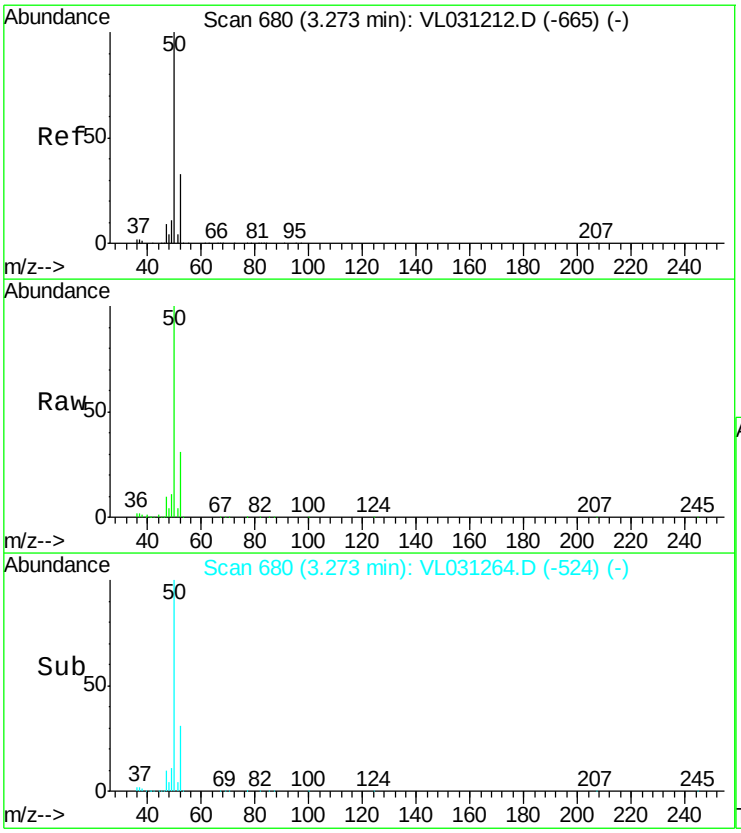
#3
Chlorodifluoromethane
Concen: 10.88 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 2097841

Ion	Ratio	Lower	Upper
51	100		
67	18.3	13.8	20.6

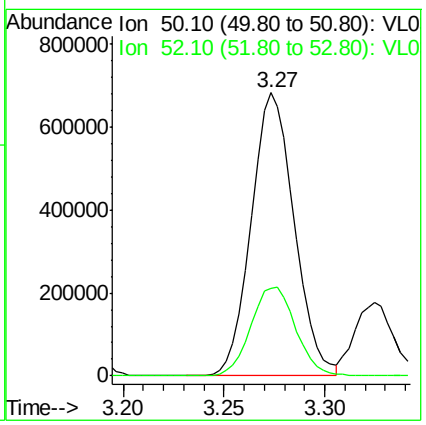


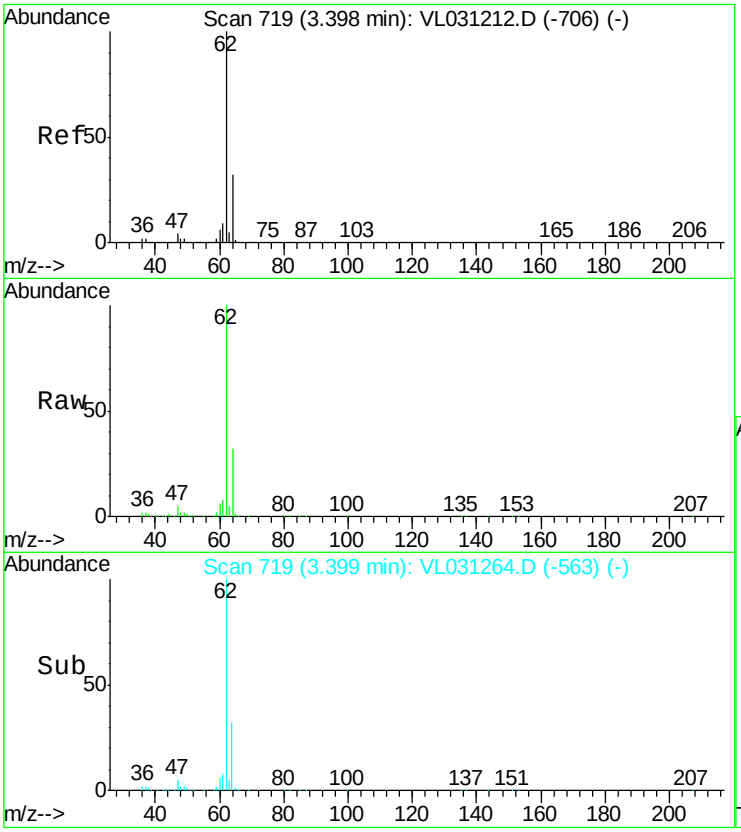


#4
Chloromethane
Concen: 9.79 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 50 Resp: 1019022

Ion	Ratio	Lower	Upper
50	100		
52	31.0	26.5	39.7



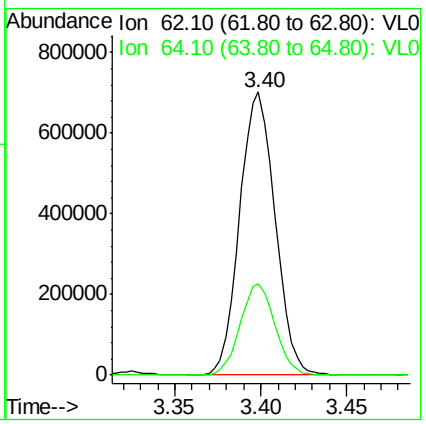


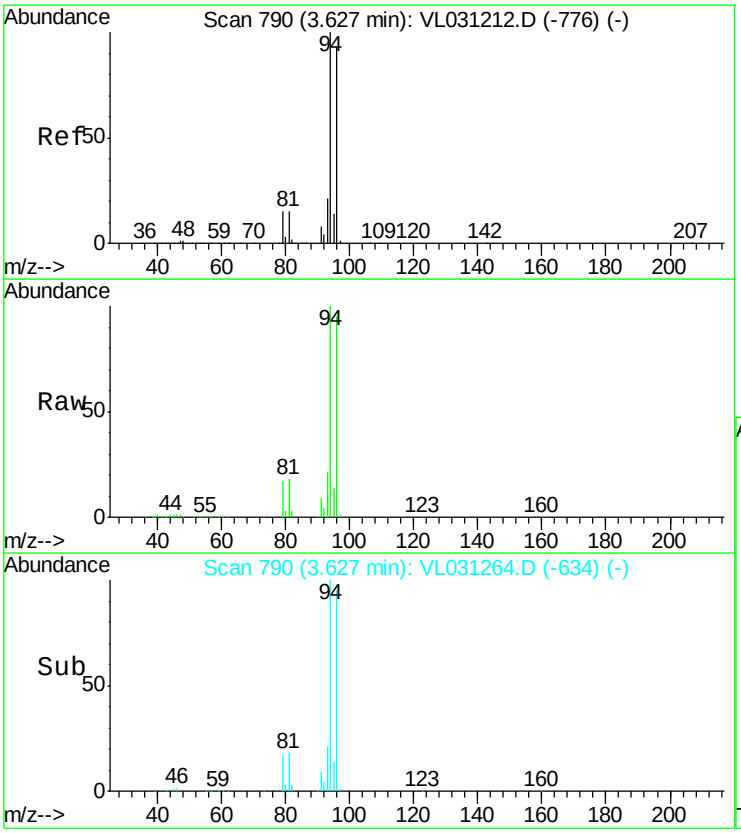
#5
Vinyl Chloride
Concen: 9.35 ppbv
RT: 3.40 min Scan# 719
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1006897

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.9	38.9

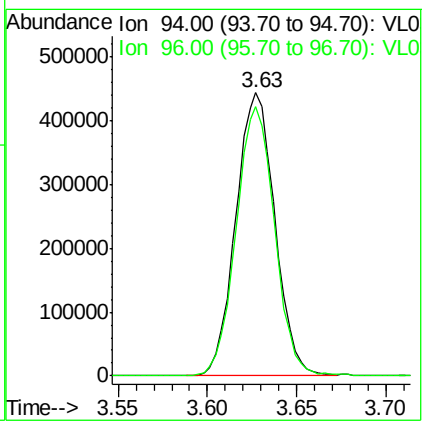


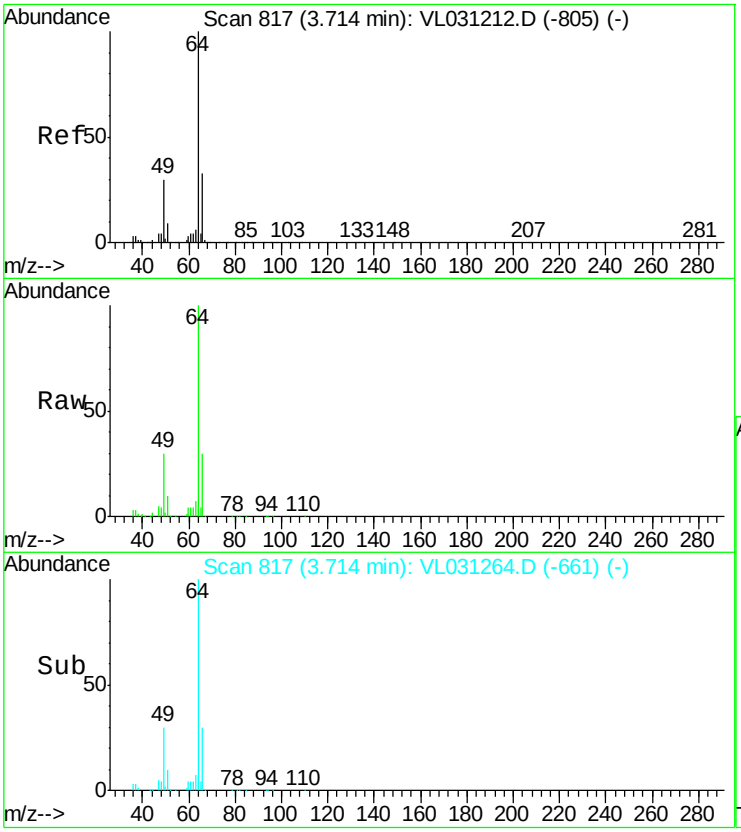


#6
Bromomethane
Concen: 10.60 ppbv
RT: 3.63 min Scan# 790
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 94 Resp: 676624

Ion	Ratio	Lower	Upper
94	100		
96	95.2	74.4	111.6



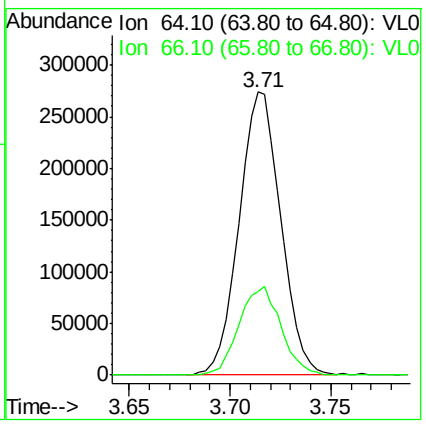


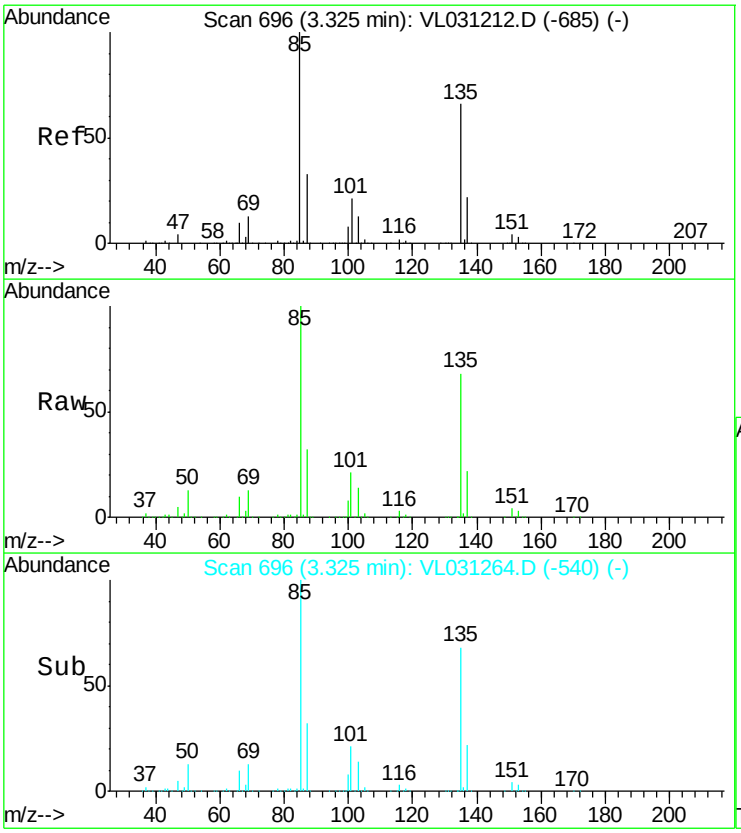
#7
Chloroethane
Concen: 9.96 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 397459

Ion	Ratio	Lower	Upper
64	100		
66	29.7	26.2	39.2

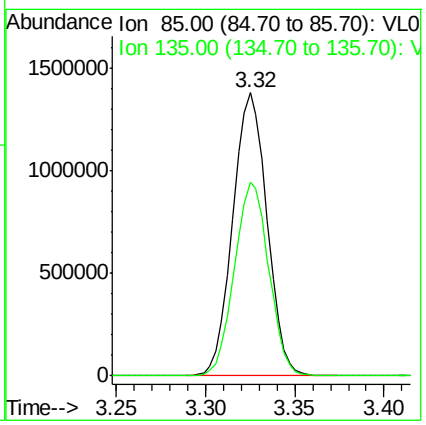


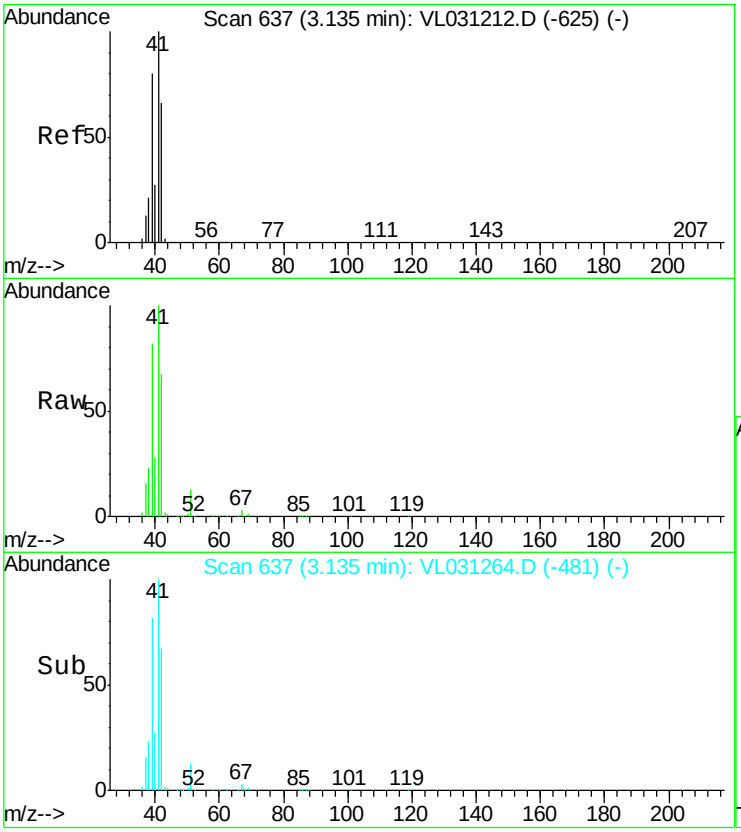


#8
Dichlorotetrafluoroethane
Concen: 9.23 ppbv
RT: 3.32 min Scan# 696
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 85 Resp: 1835060

Ion	Ratio	Lower	Upper
85	100		
135	69.0	54.0	81.0



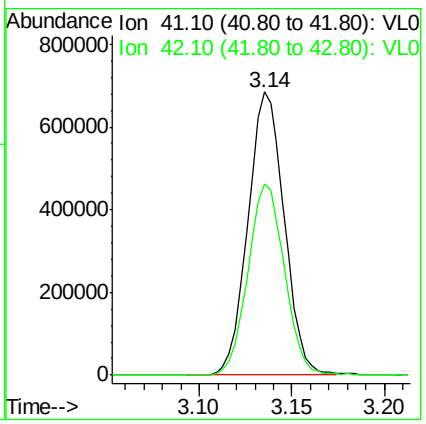


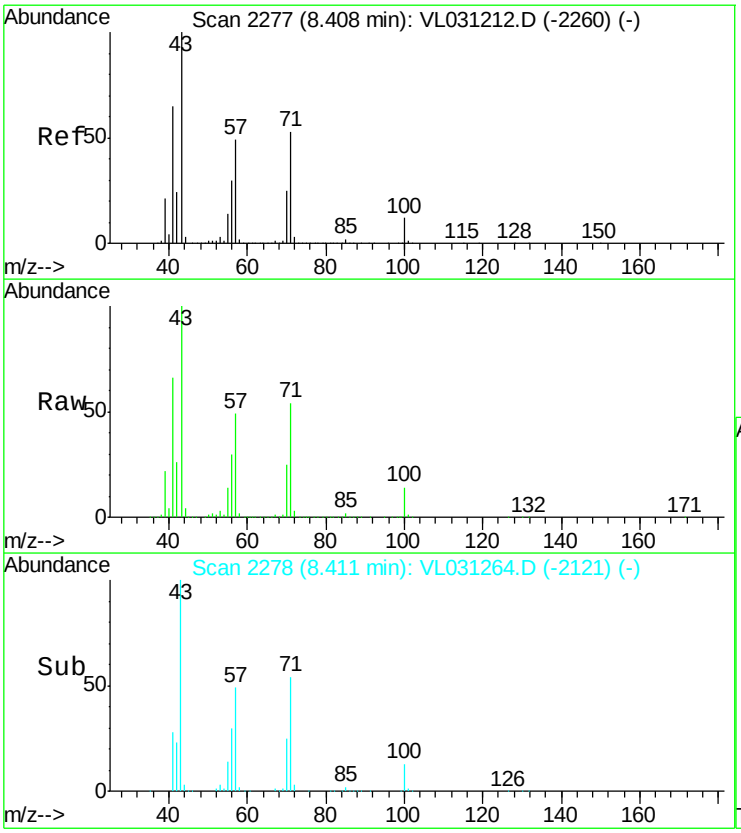
#9
Propene
Concen: 9.83 ppbv
RT: 3.14 min Scan# 637
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 929848

Ion	Ratio	Lower	Upper
41	100		
42	68.2	54.3	81.5

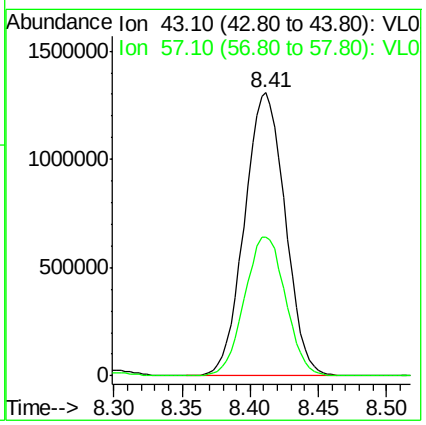


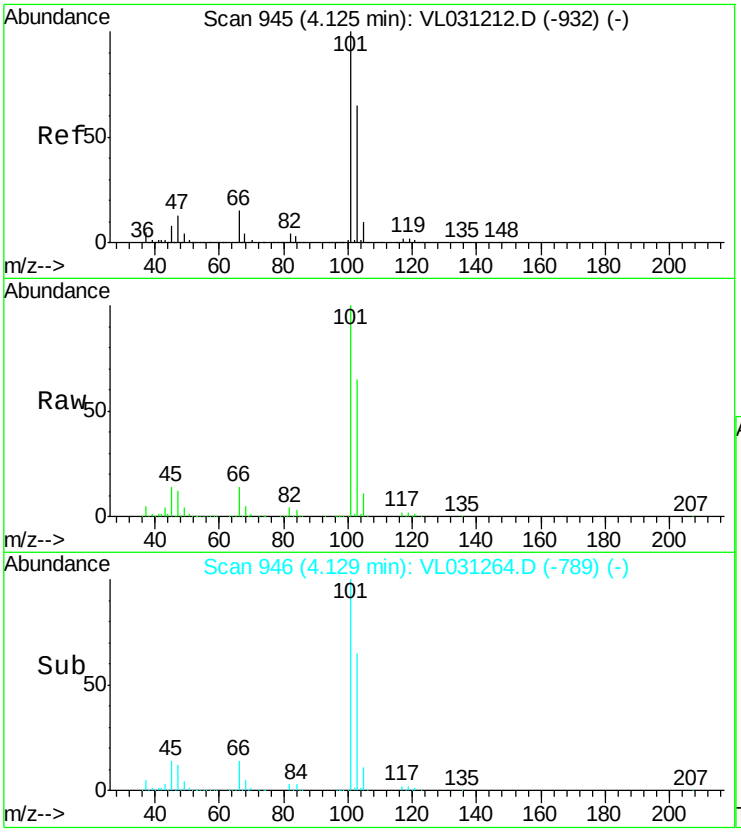


#10
Heptane
Concen: 9.36 ppbv
RT: 8.41 min Scan# 2278
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 43 Resp: 2696477

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.8	59.8



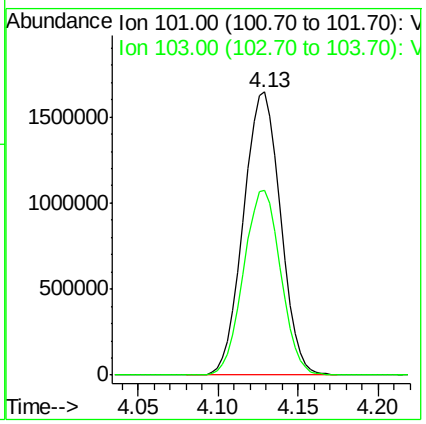


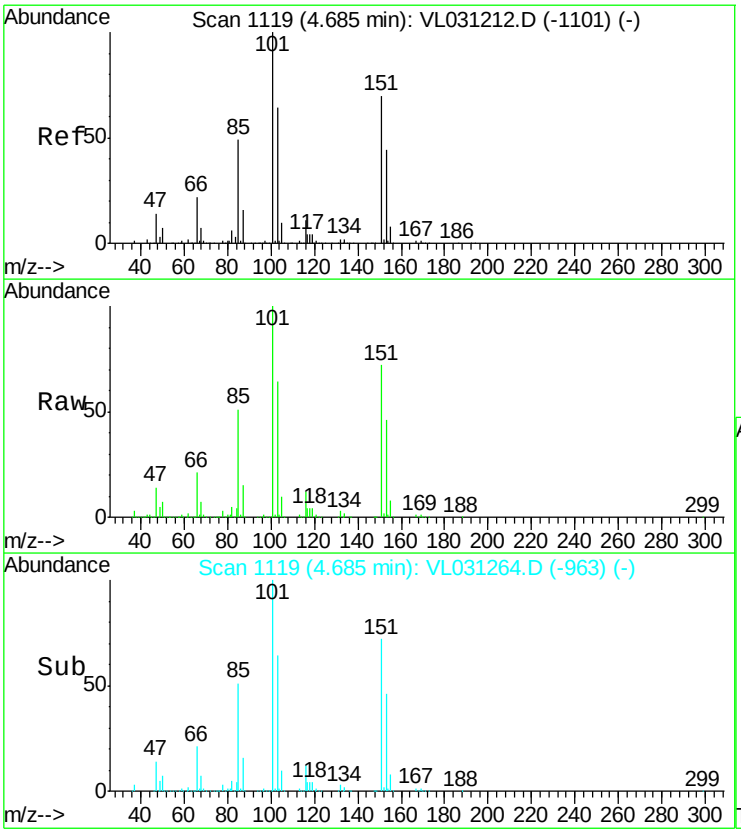
#11
Trichlorofluoromethane
Concen: 11.07 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 2606529

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.8	77.8

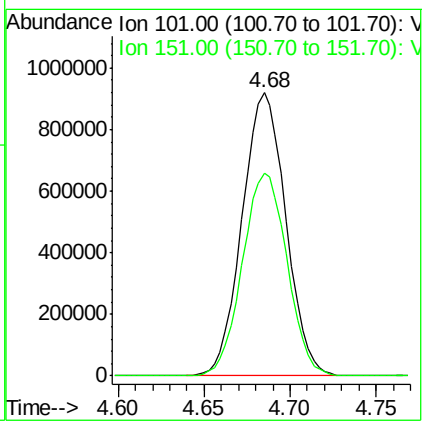


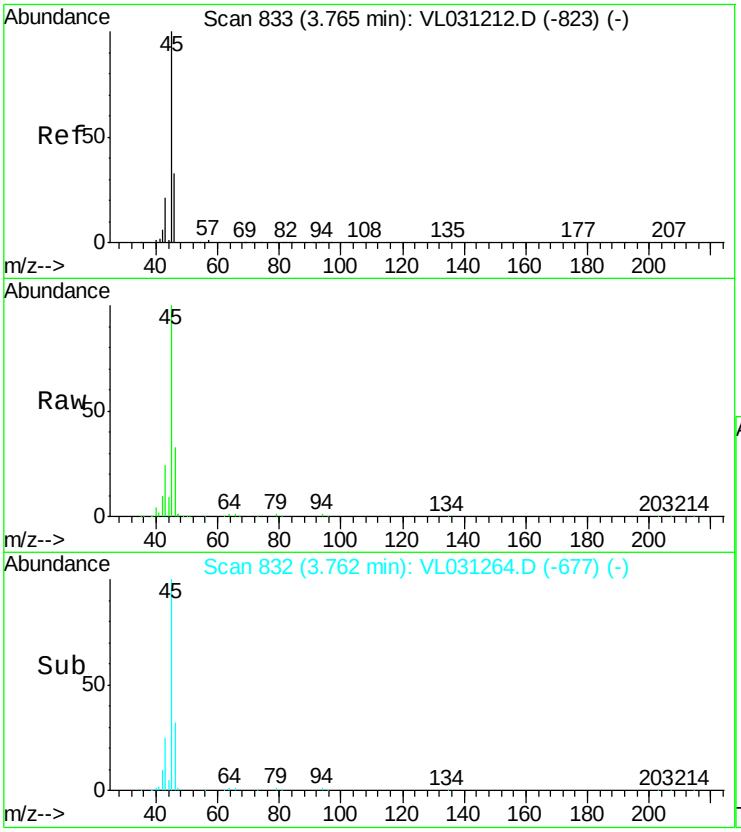


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.79 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:101 Resp: 1614763

Ion	Ratio	Lower	Upper
101	100		
151	73.7	56.5	84.7



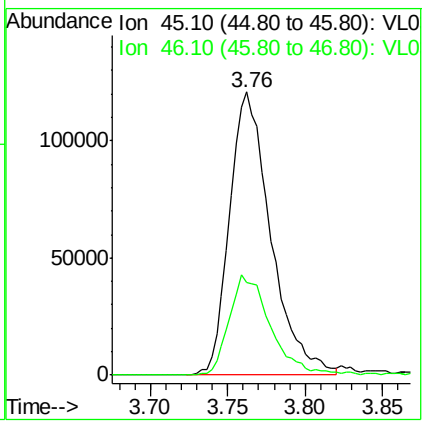


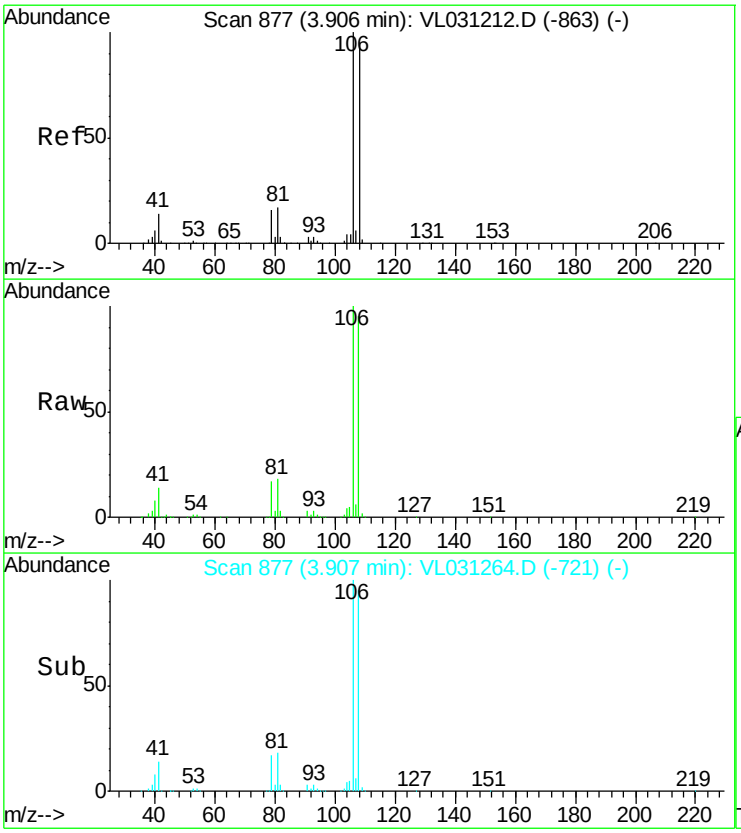
#13
Ethanol
Concen: 8.19 ppbv
RT: 3.76 min Scan# 832
Delta R.T. -0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 223402

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.6	58.4

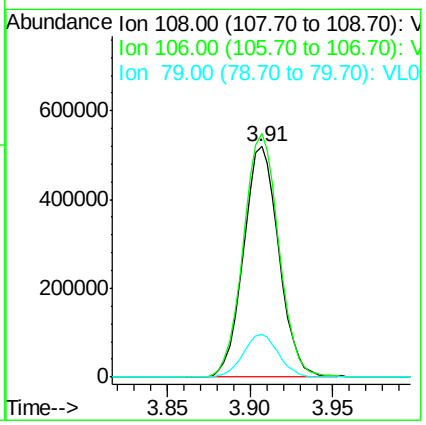


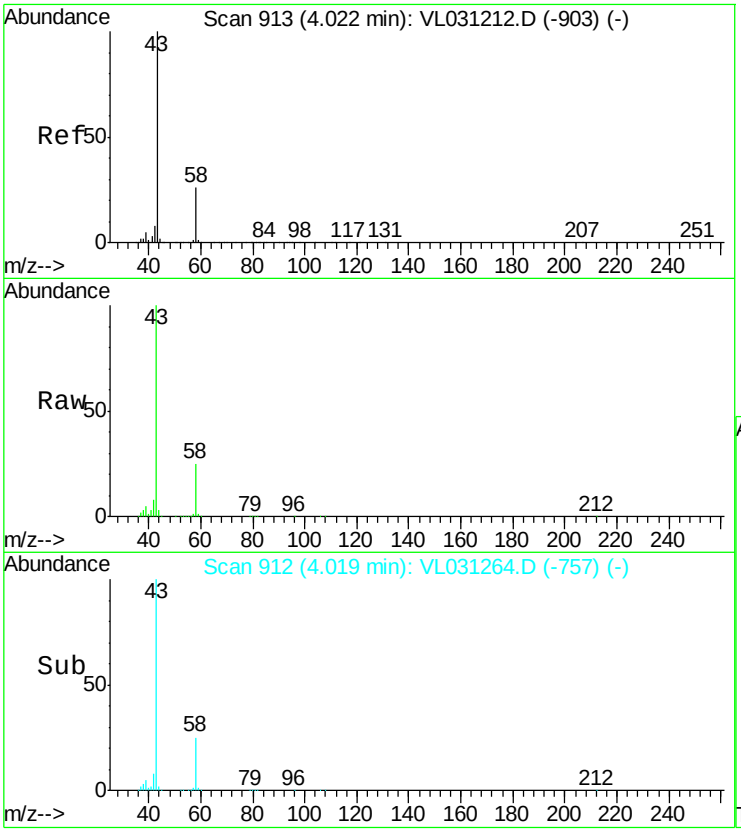


#14
Bromoethene
Concen: 10.85 ppbv
RT: 3.91 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:108 Resp: 769284

Ion	Ratio	Lower	Upper
108	100		
106	106.6	86.5	129.7
79	18.8	14.2	21.4



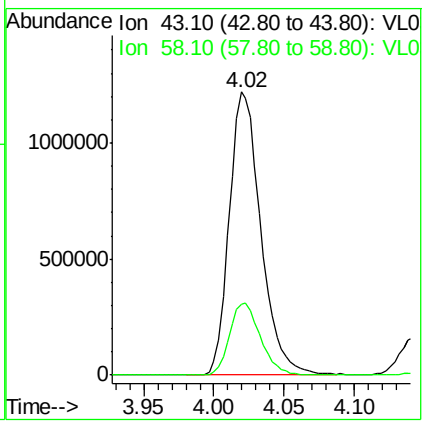


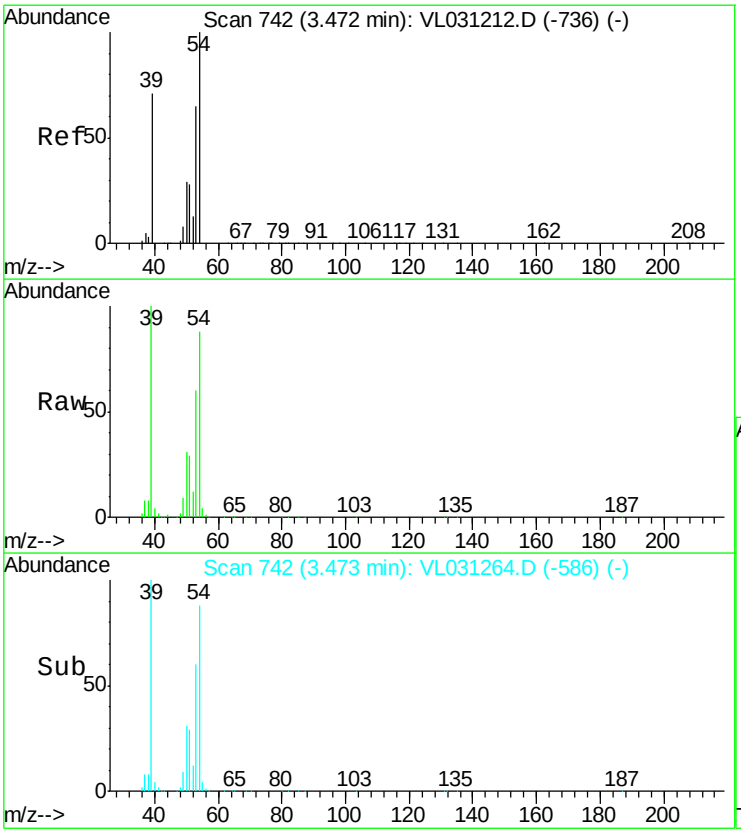
#15
Acetone
Concen: 8.56 ppbv
RT: 4.02 min Scan# 912
Delta R.T. -0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1915485

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.3	30.5

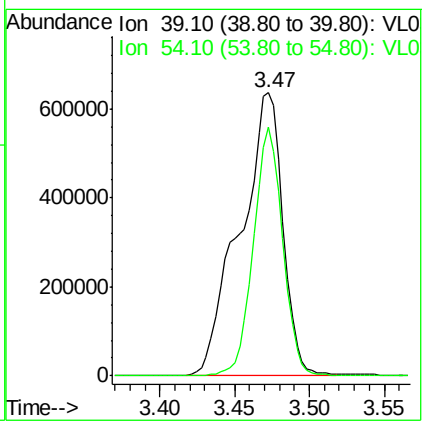


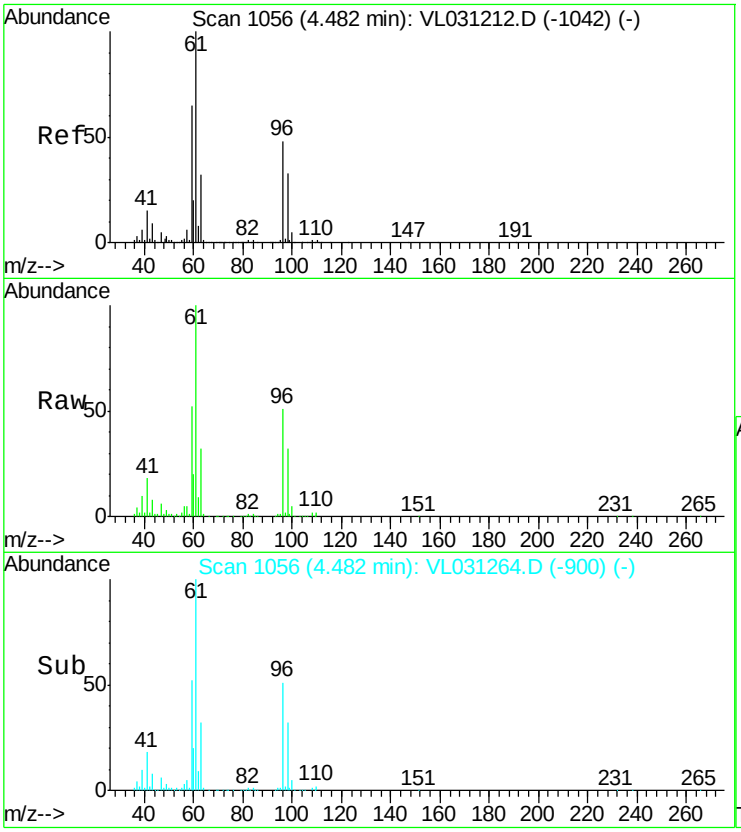


#16
1,3-Butadiene
Concen: 13.16 ppbv
RT: 3.47 min Scan# 742
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 39 Resp: 1266252

Ion	Ratio	Lower	Upper
39	100		
54	60.6	66.4	99.6#



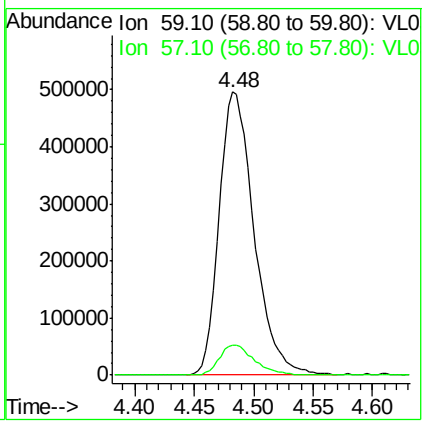


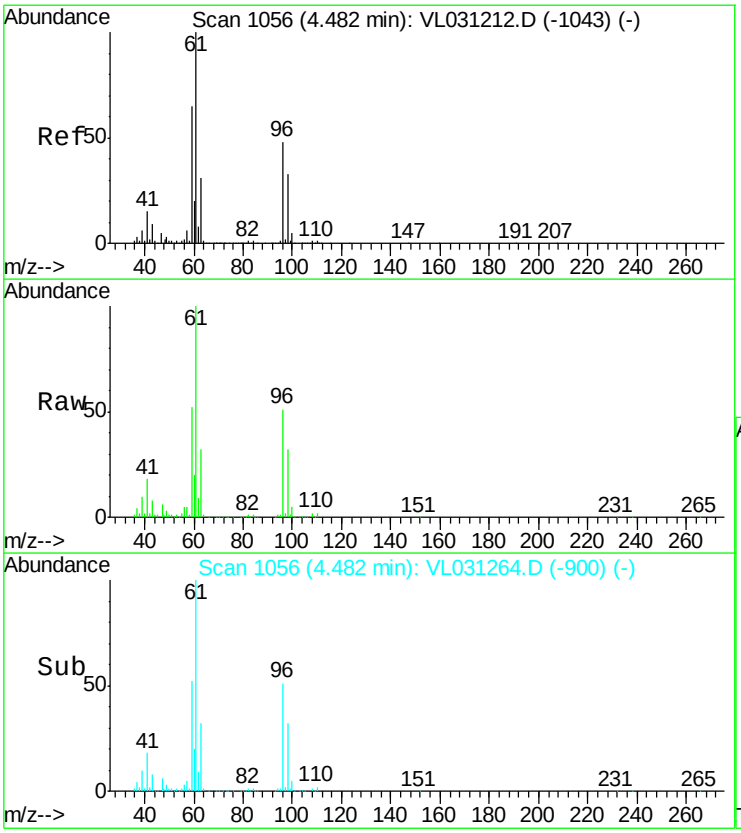
#17
tert-Butyl alcohol
Concen: 8.04 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1010135

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

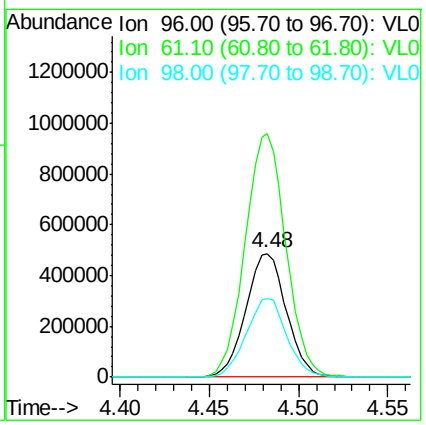


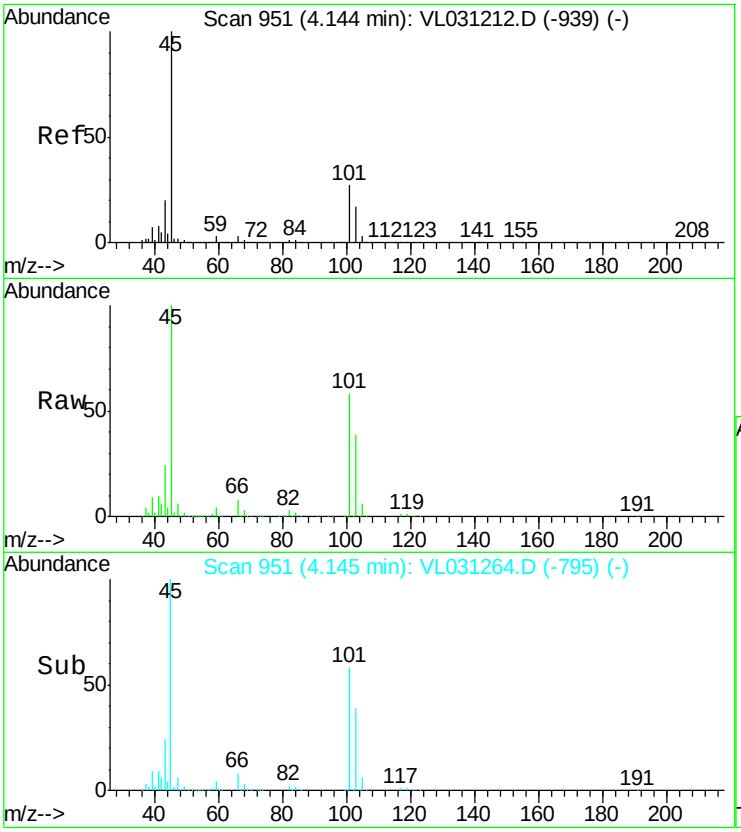


#18
1,1-Dichloroethene
Concen: 10.42 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 96 Resp: 769978

Ion	Ratio	Lower	Upper
96	100		
61	196.8	166.8	250.2
98	63.5	55.0	82.6



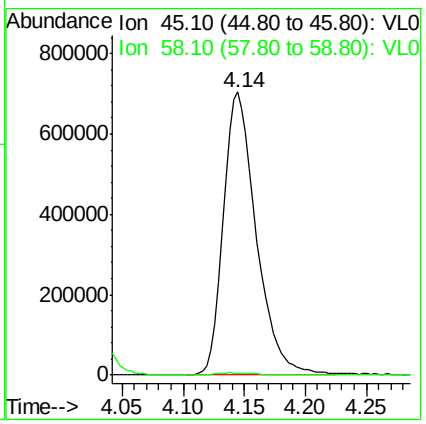


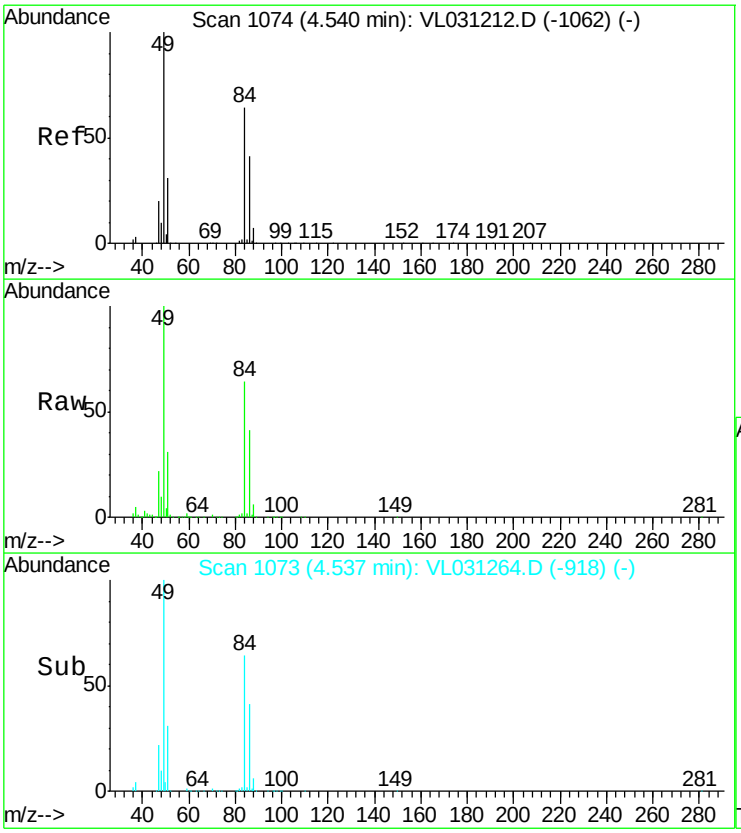
#19
Isopropyl Alcohol
Concen: 9.36 ppbv
RT: 4.14 min Scan# 951
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 1325000

Ion	Ratio	Lower	Upper
45	100		
58	1.2	27.2	40.8#

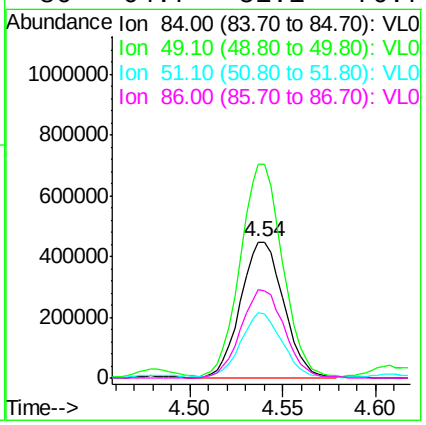


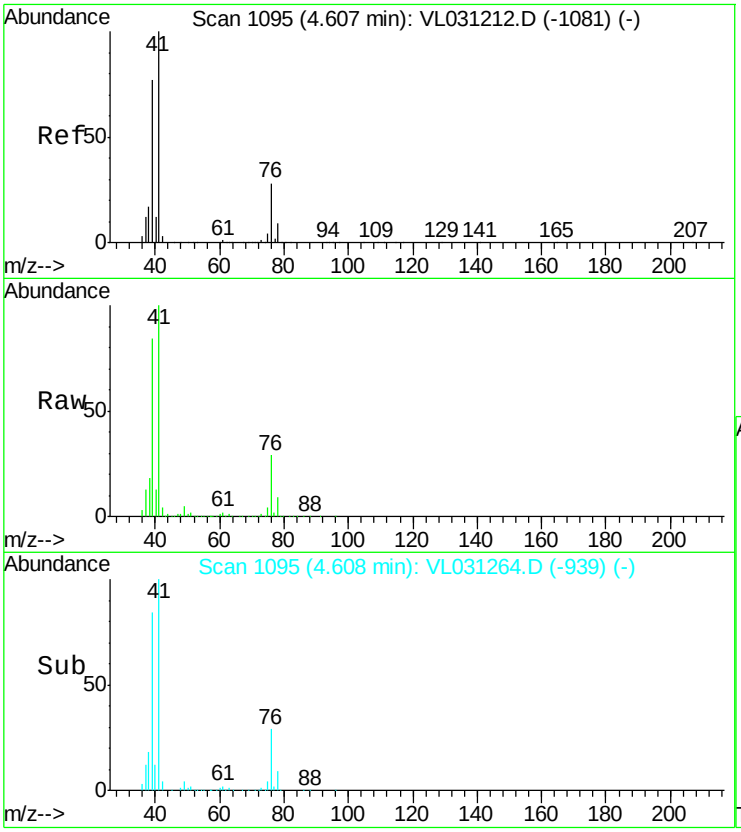


#20
Methylene Chloride
Concen: 9.72 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 84 Resp: 719700

Ion	Ratio	Lower	Upper
84	100		
49	155.5	125.8	188.6
51	47.5	39.3	58.9
86	64.7	51.1	76.7



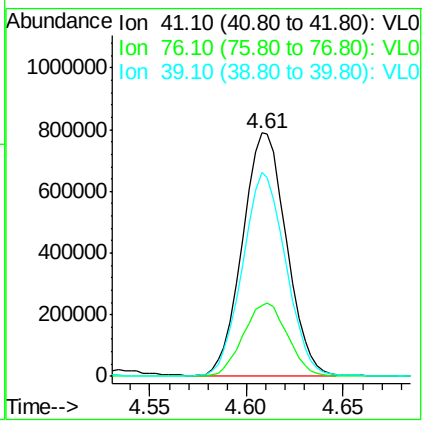


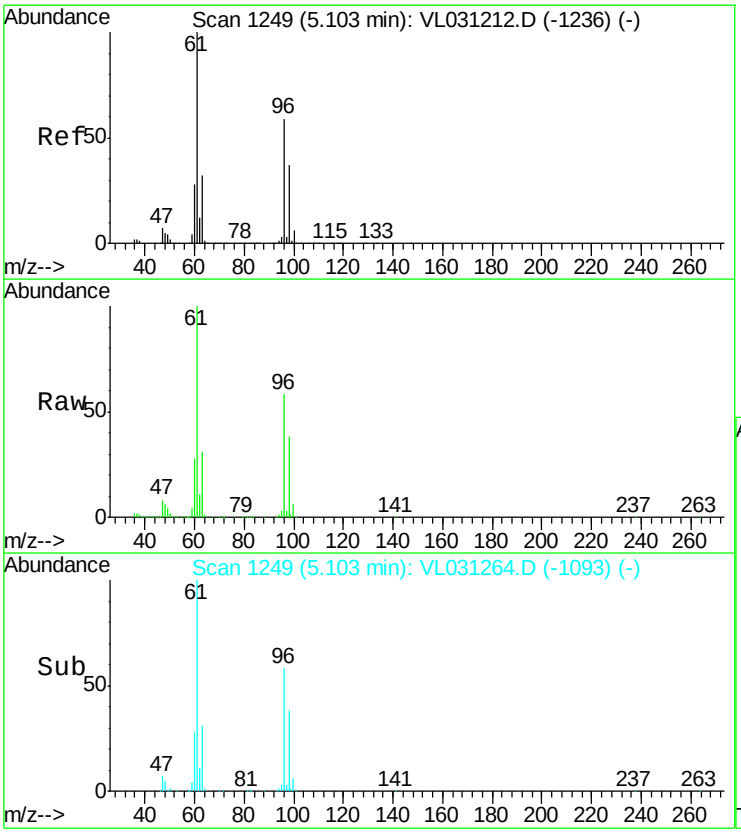
#21
Allyl Chloride
Concen: 9.45 ppbv
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 1244169

Ion	Ratio	Lower	Upper
41	100		
76	30.6	22.9	34.3
39	83.0	62.6	93.8

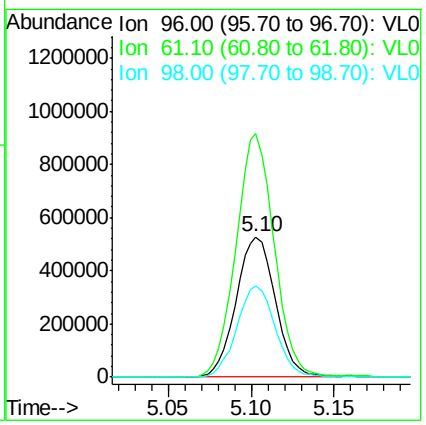


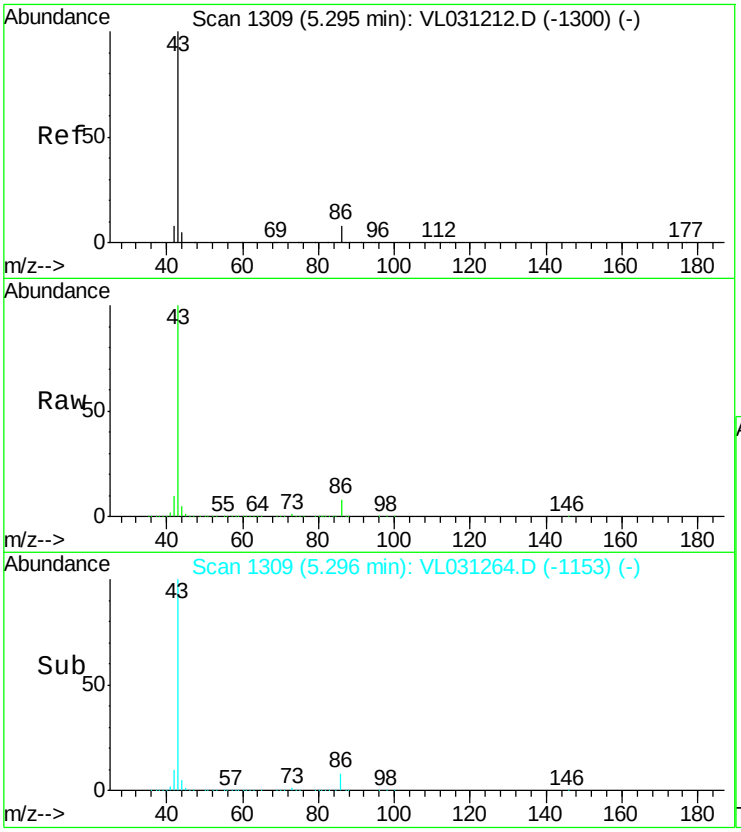


#22
trans-1,2-Dichloroethene
Concen: 9.58 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 96 Resp: 870404

Ion	Ratio	Lower	Upper
96	100		
61	173.5	135.0	202.4
98	65.5	50.5	75.7



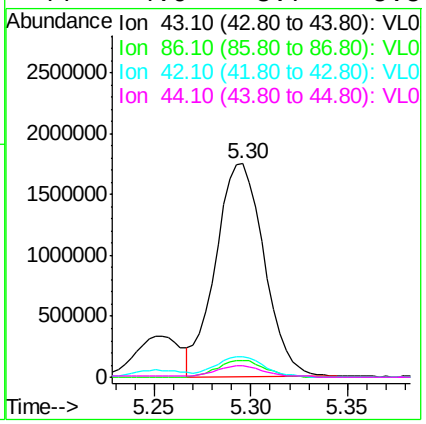


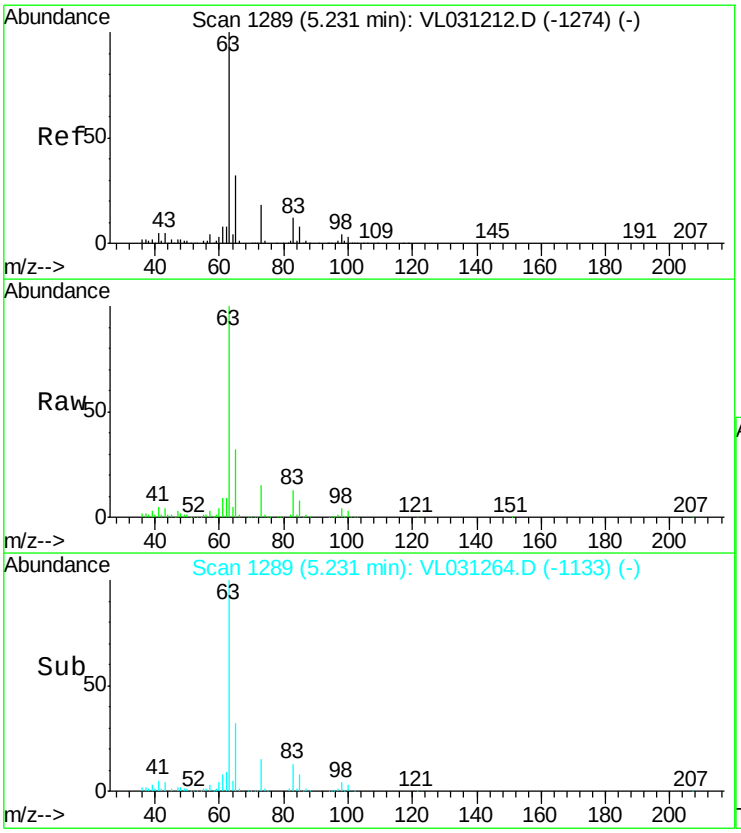
#23
Vinyl Acetate
Concen: 8.46 ppbv
RT: 5.30 min Scan# 1309
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3048251

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	9.7	7.3	10.9
44	4.9	3.7	5.5

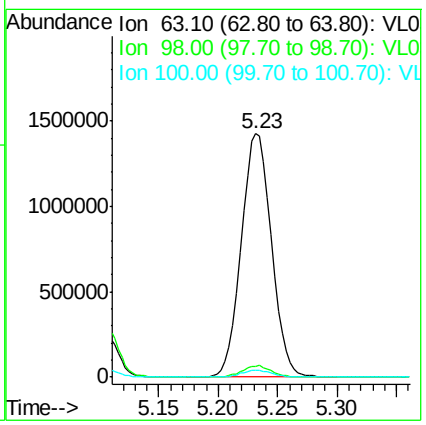


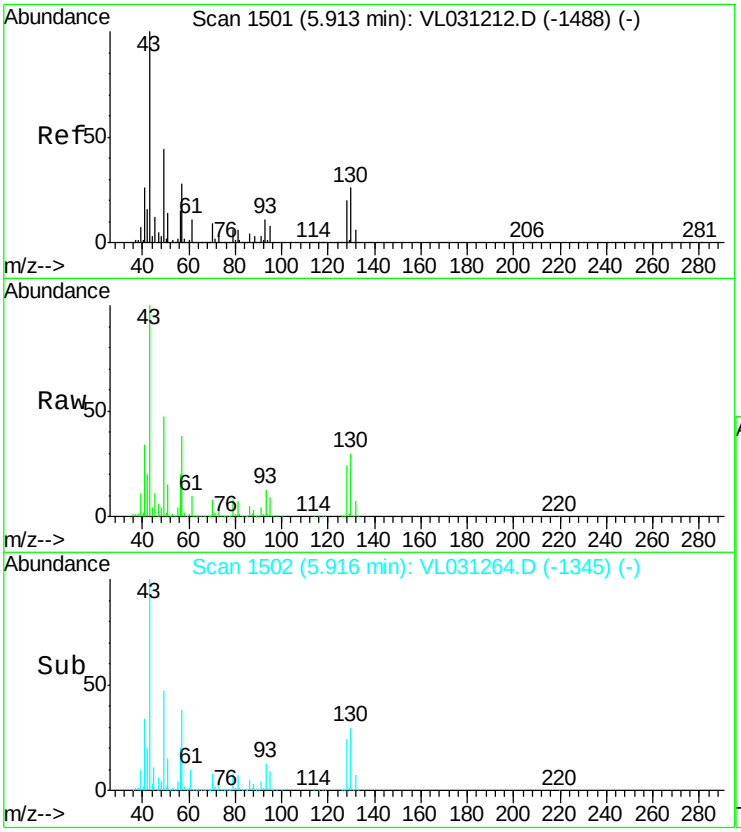


#24
1,1-Dichloroethane
Concen: 9.55 ppbv
RT: 5.23 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 63 Resp: 2501048

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.7	1.4	4.2



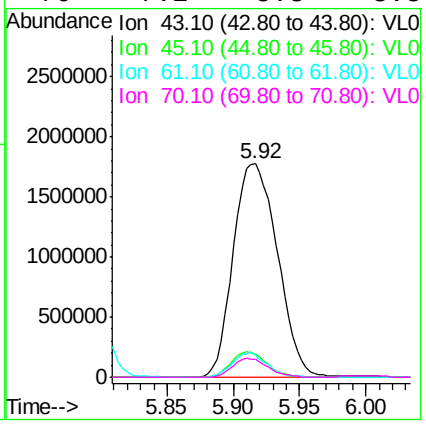


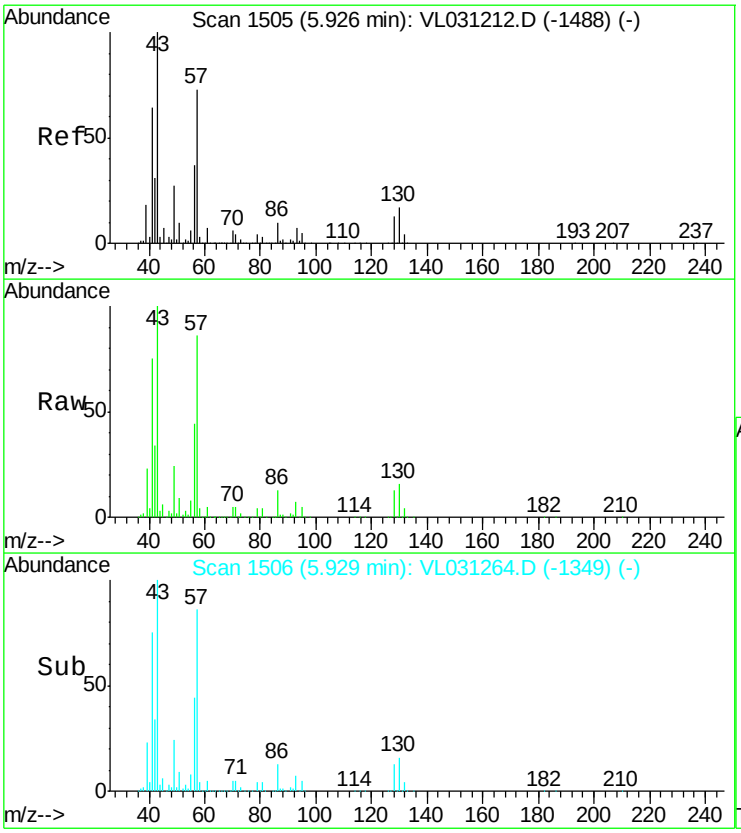
#25
Ethyl Acetate
Concen: 9.01 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 4117129

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.1	7.4	11.0
70	7.2	5.8	8.8

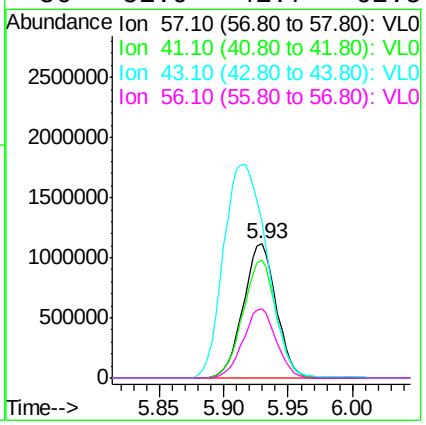


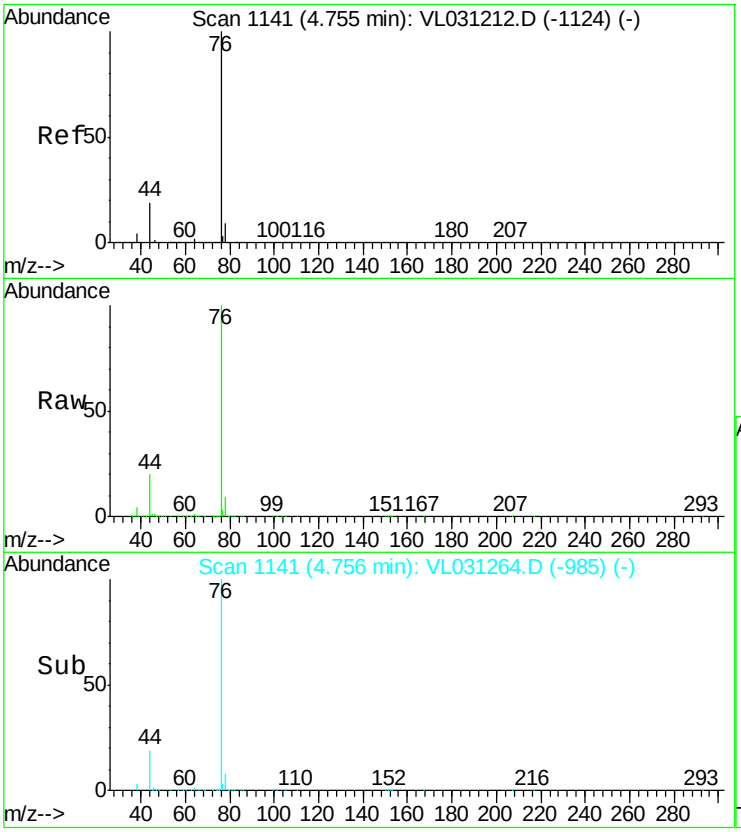


#26
Hexane
Concen: 9.16 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 57 Resp: 1986496

Ion	Ratio	Lower	Upper
57	100		
41	89.7	70.3	105.5
43	207.8	173.8	260.8
56	51.9	41.7	62.5



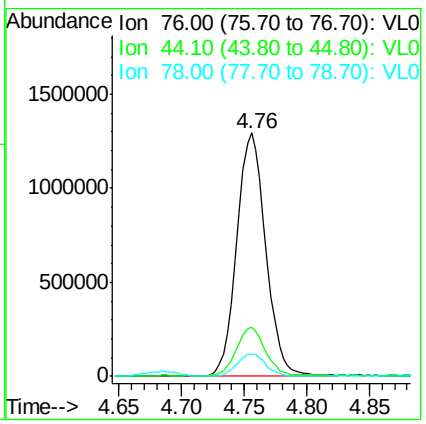


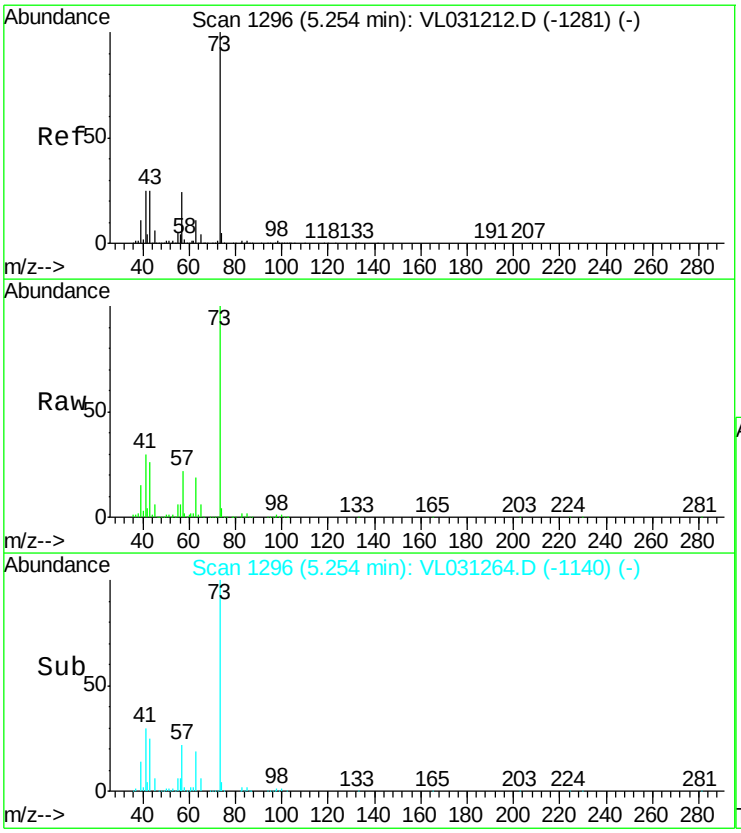
#27
Carbon Disulfide
Concen: 9.60 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 2083517

Ion	Ratio	Lower	Upper
76	100		
44	20.0	16.0	24.0
78	9.3	7.5	11.3

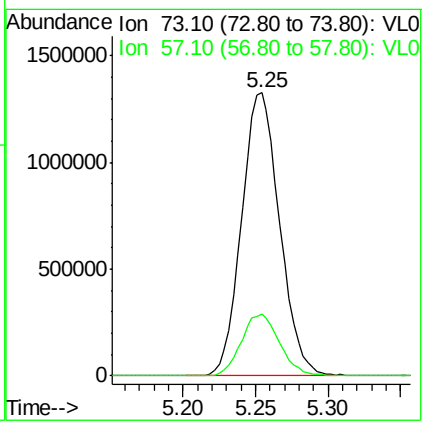


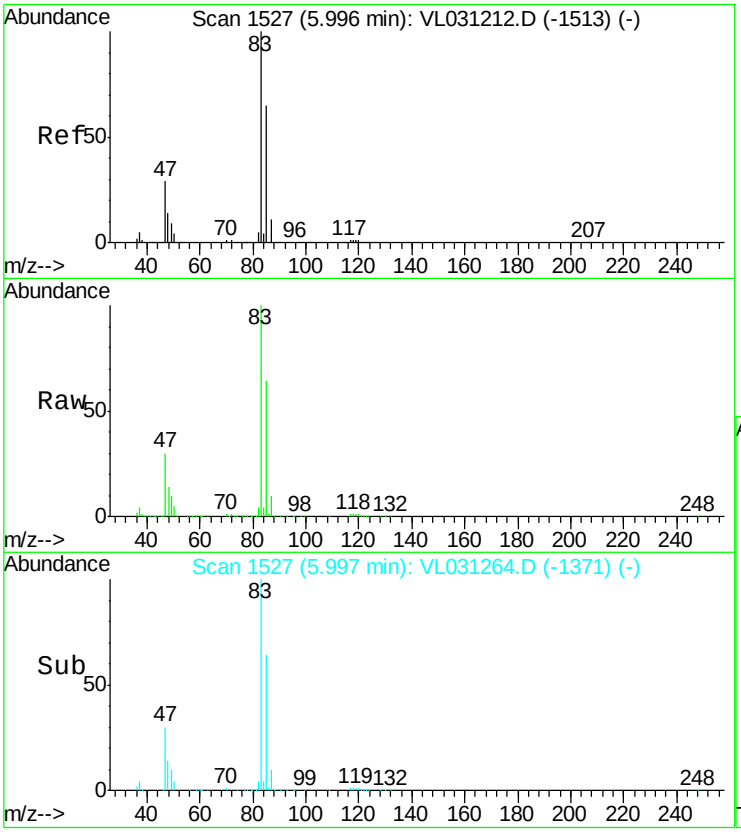


#28
Methyl tert-Butyl Ether
Concen: 8.54 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 73 Resp: 2420124

Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7



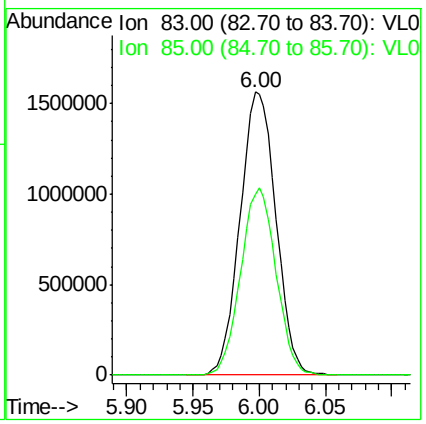


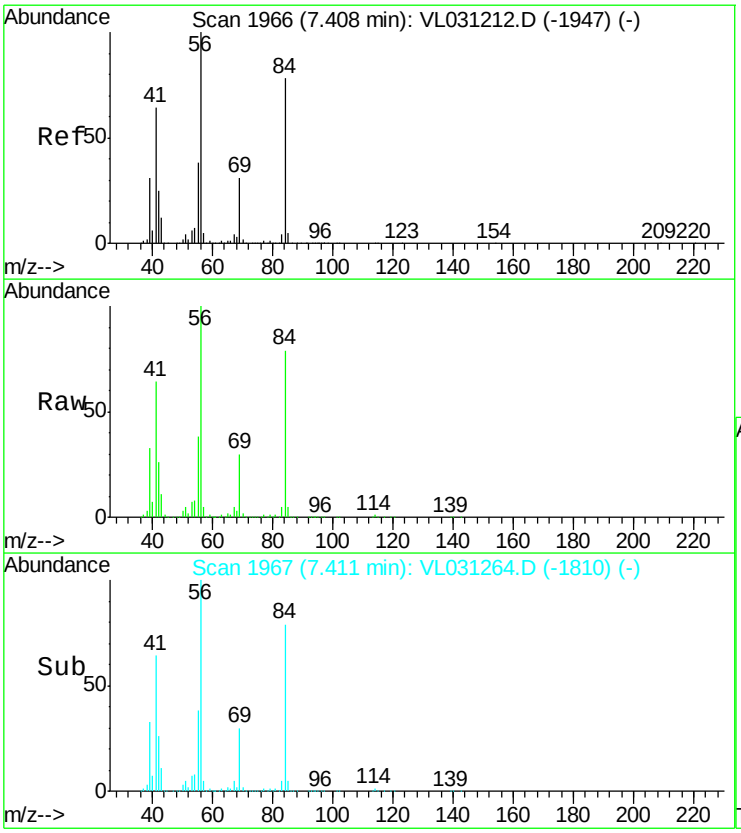
#29
Chloroform
Concen: 10.07 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2948560

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6

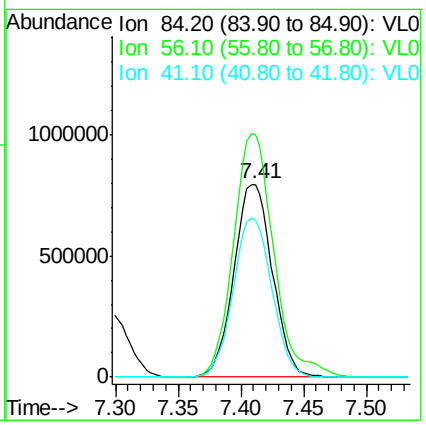


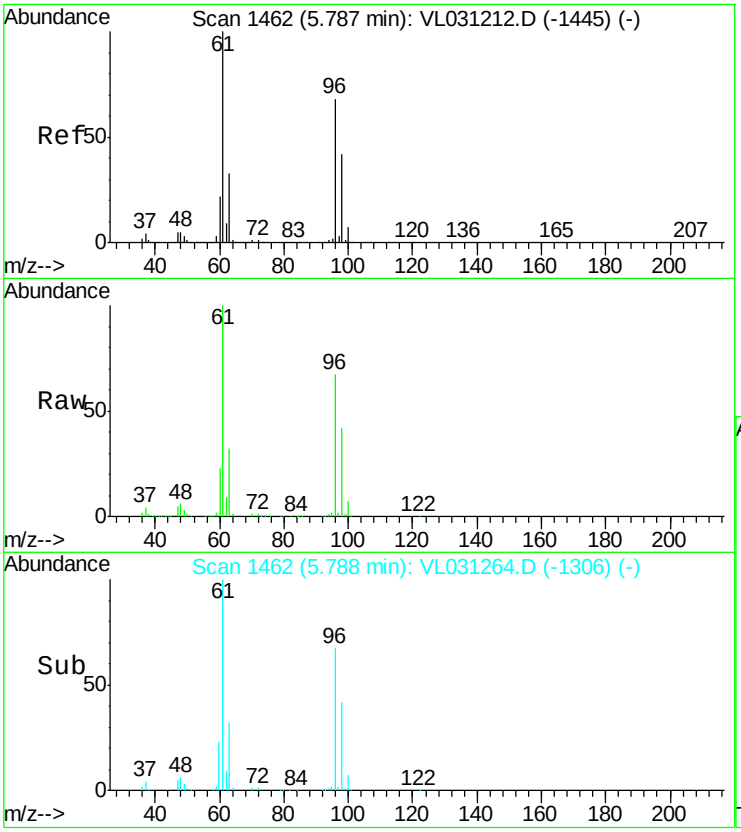


#30
Cyclohexane
Concen: 8.88 ppbv
RT: 7.41 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 84 Resp: 1695261

Ion	Ratio	Lower	Upper
84	100		
56	132.8	108.0	162.0
41	82.8	66.2	99.4



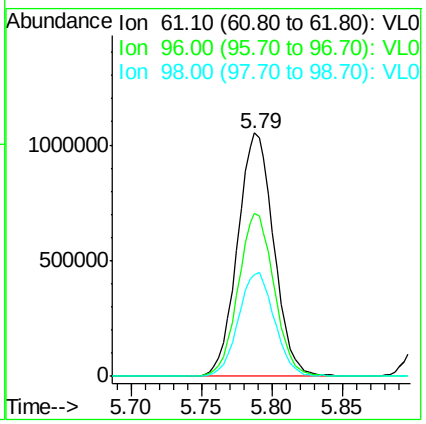


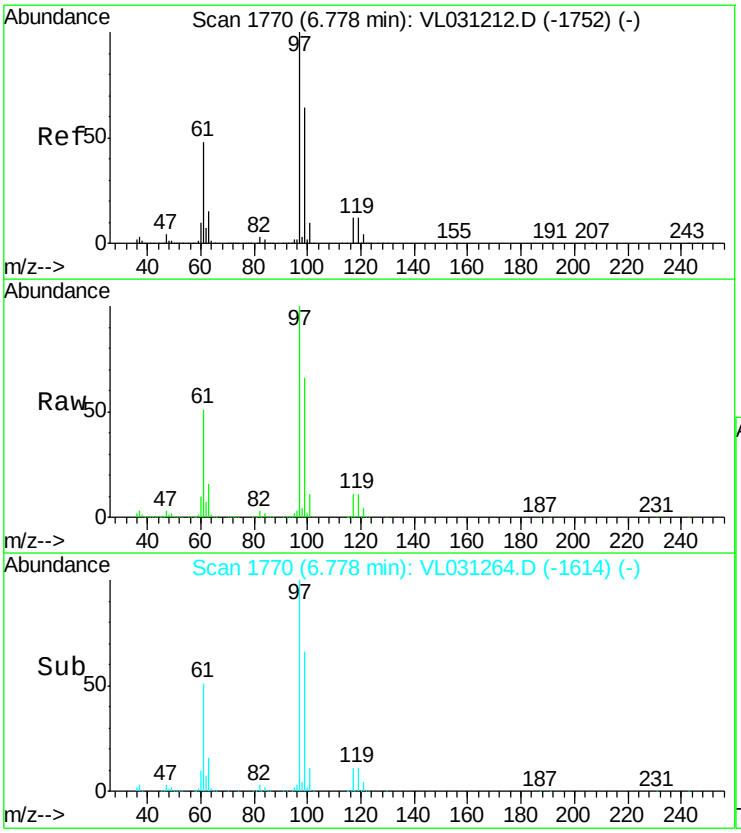
#31
cis-1,2-Dichloroethene
Concen: 9.61 ppbv
RT: 5.79 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 61 Resp: 1890281

Ion	Ratio	Lower	Upper
61	100		
96	66.7	54.4	81.6
98	41.9	33.6	50.4

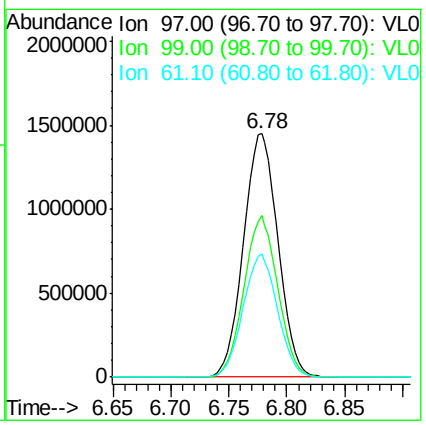


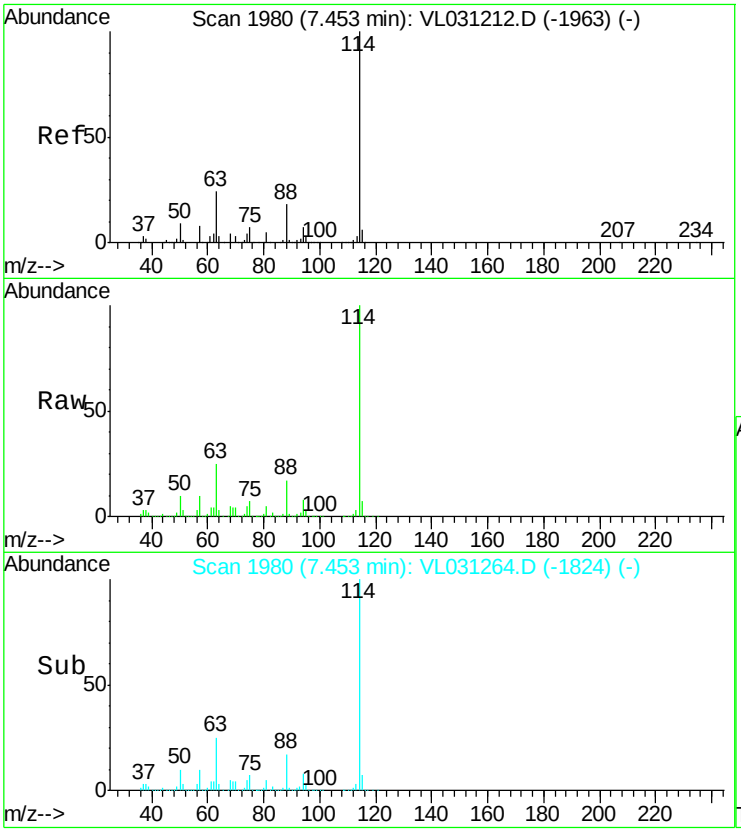


#32
1,1,1-Trichloroethane
Concen: 9.61 ppbv
RT: 6.78 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 97 Resp: 3007063

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.4	77.0
61	50.3	38.4	57.6



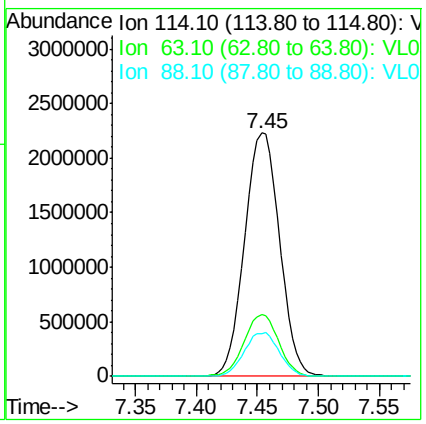


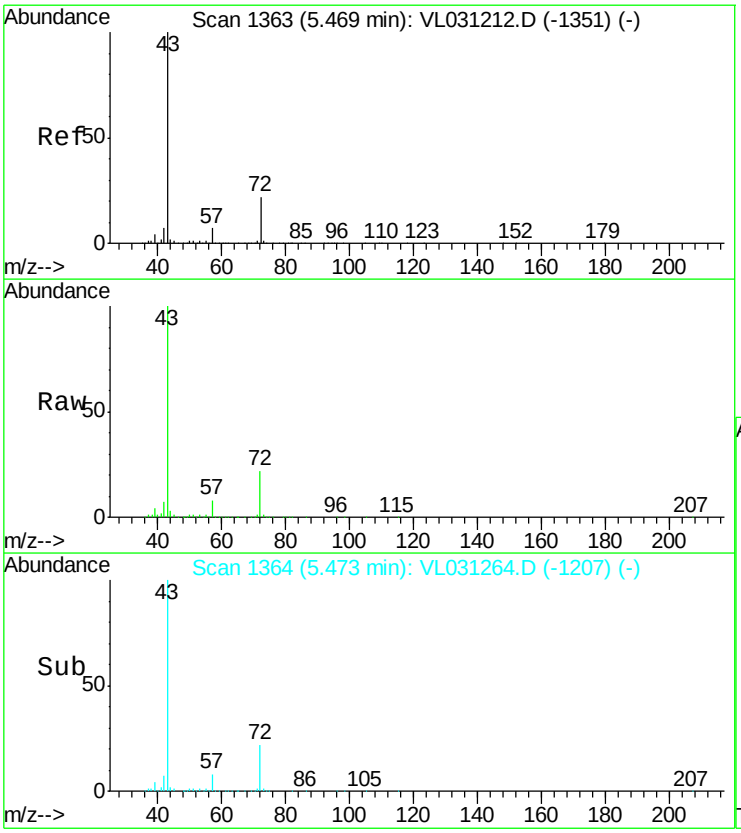
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 4413048

Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.8	29.8
88	17.9	14.2	21.4

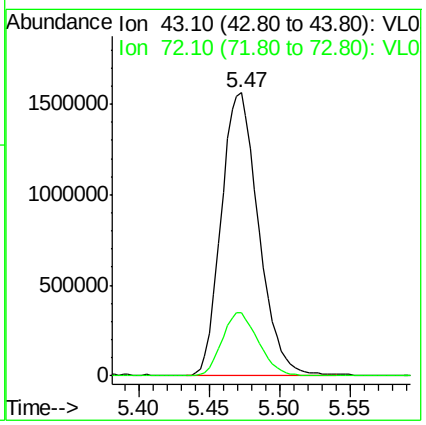


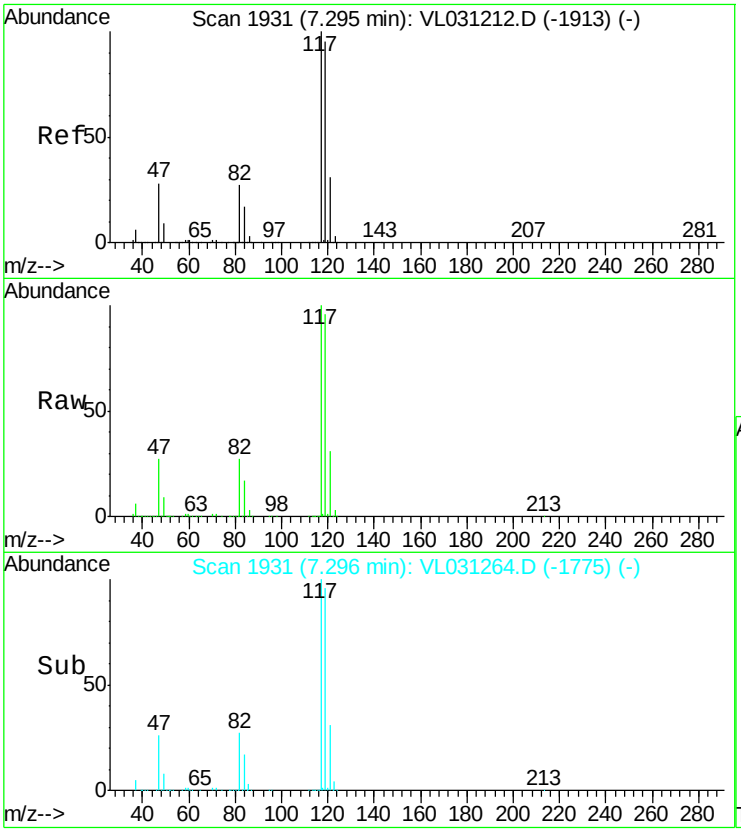


#34
2-Butanone
Concen: 9.21 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 43 Resp: 2869614

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.1	27.1



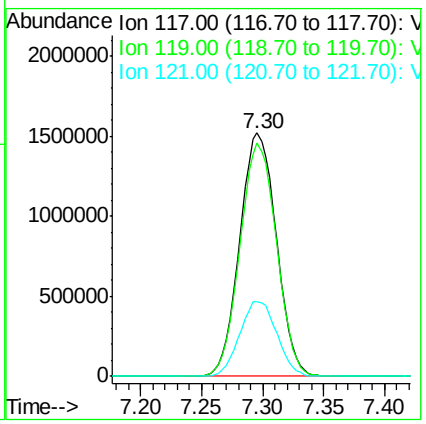


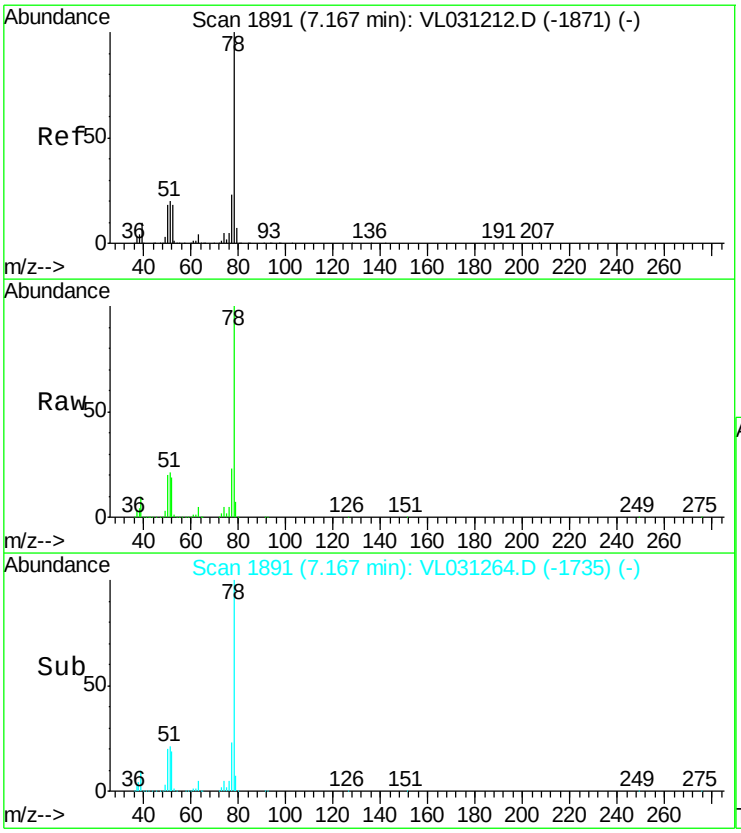
#35
Carbon Tetrachloride
Concen: 9.96 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 3149734

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.9	113.9
121	30.7	24.6	37.0

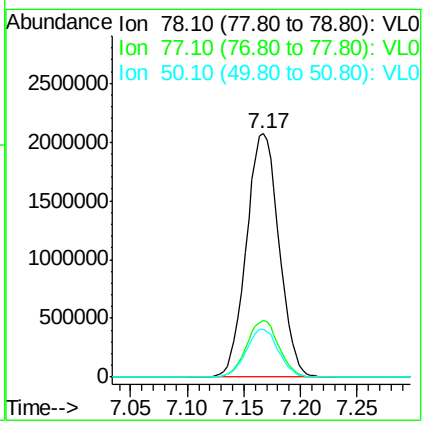


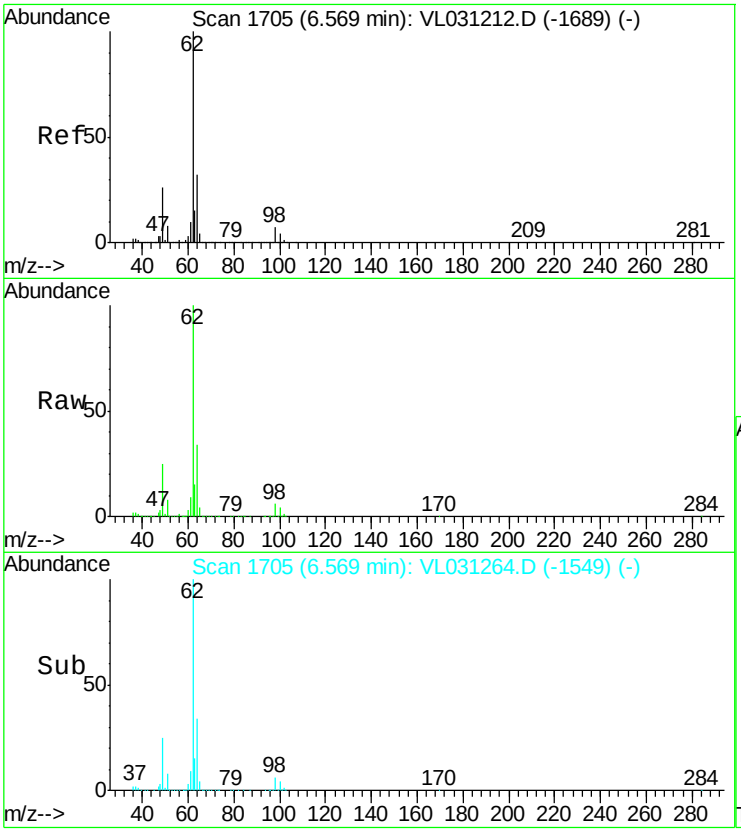


#36
Benzene
Concen: 8.91 ppbv
RT: 7.17 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 78 Resp: 4164741

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.1	27.1
50	19.9	14.6	21.8



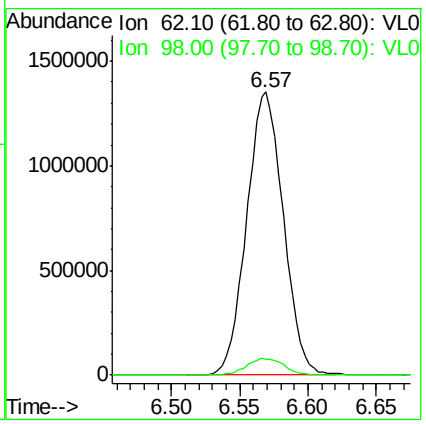


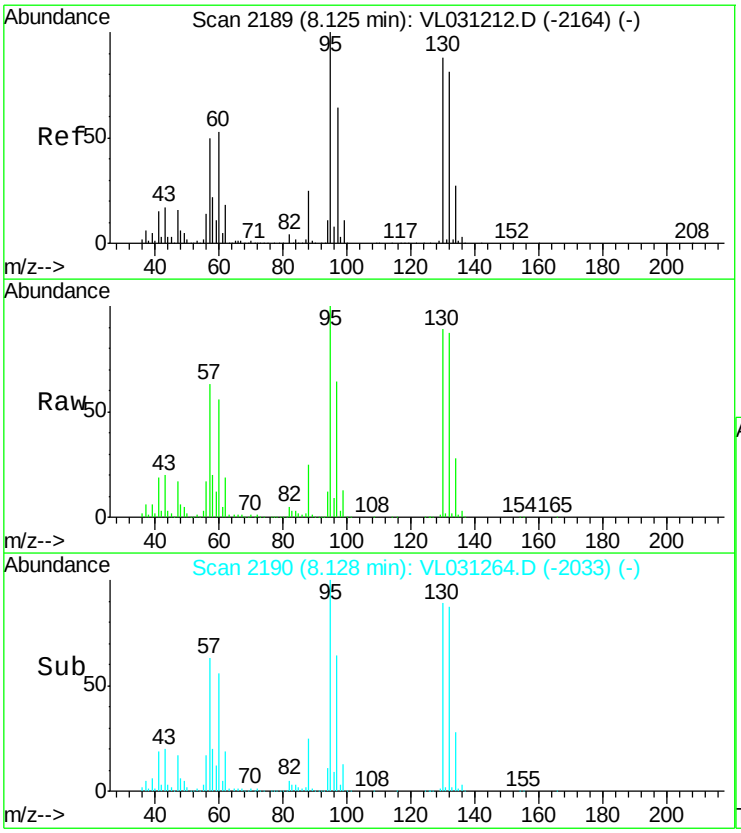
#37
1,2-Dichloroethane
Concen: 9.77 ppbv
RT: 6.57 min Scan# 1705
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 2519837

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.4	8.2

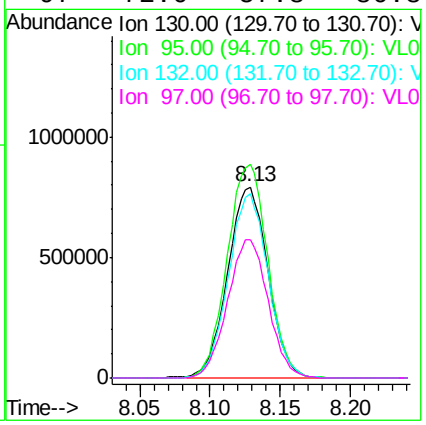


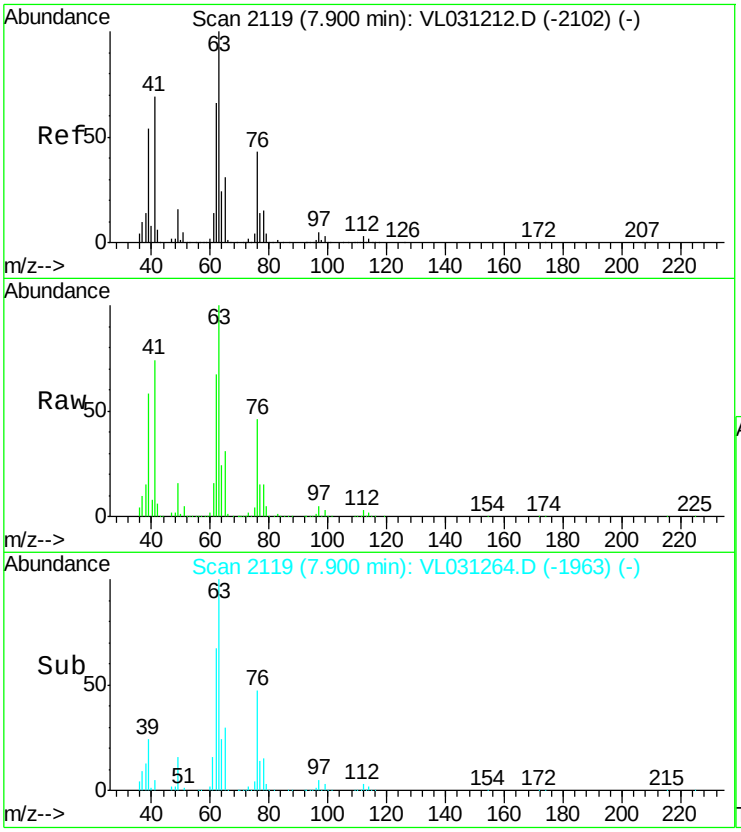


#38
Trichloroethene
Concen: 8.63 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:130 Resp: 1573908

Ion	Ratio	Lower	Upper
130	100		
95	111.9	90.6	135.8
132	96.9	73.5	110.3
97	72.0	57.8	86.8



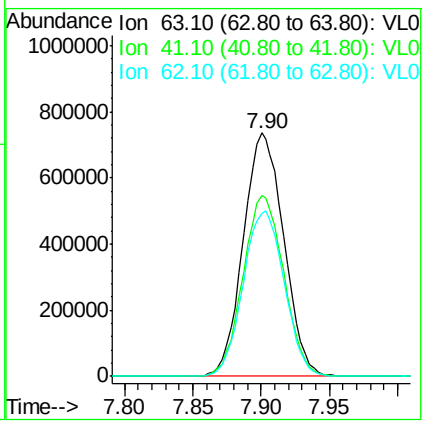


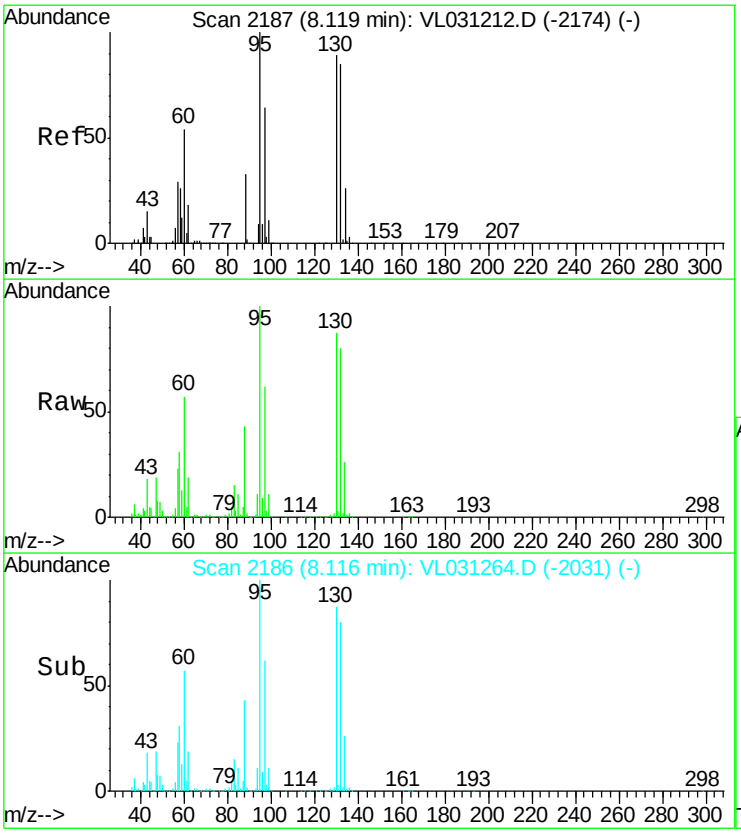
#39
1,2-Dichloropropane
Concen: 9.16 ppbv
RT: 7.90 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 1513953

Ion	Ratio	Lower	Upper
63	100		
41	74.4	55.2	82.8
62	67.0	53.0	79.4

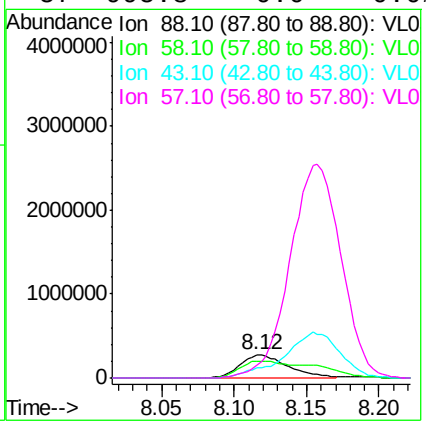


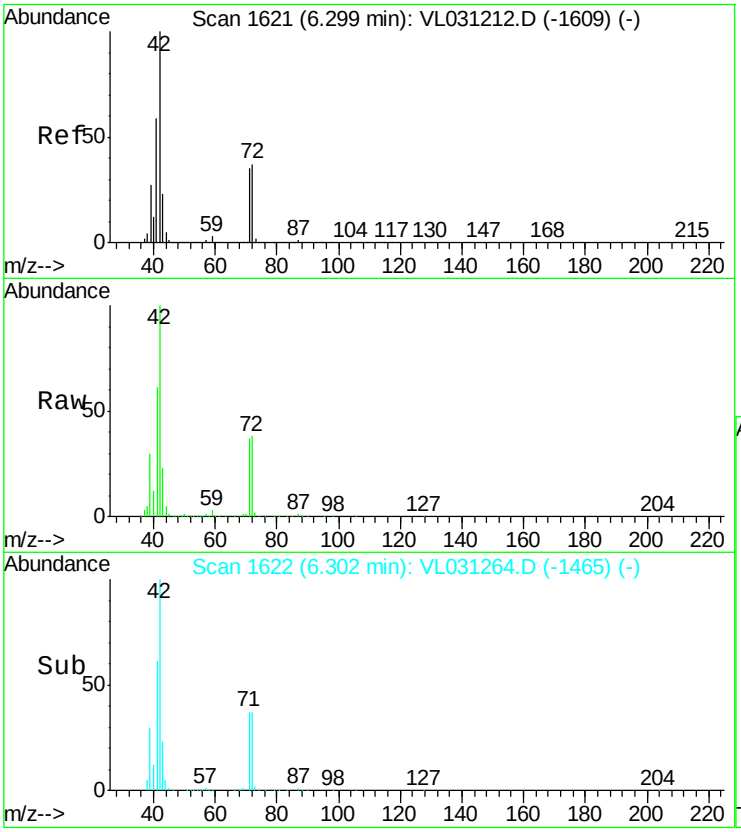


#40
1,4-Dioxane
Concen: 10.54 ppbv
RT: 8.12 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 88 Resp: 629049

Ion	Ratio	Lower	Upper
88	100		
58	121.5	104.3	156.5
43	232.3	0.0	0.0#
57	995.8	0.0	0.0#



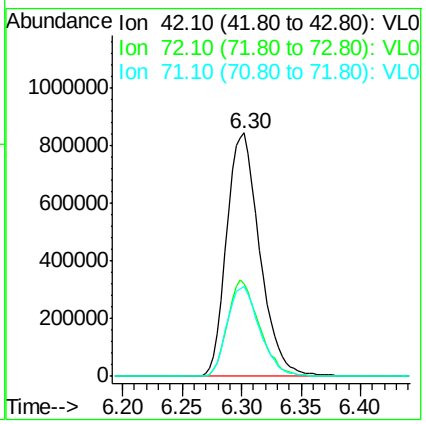


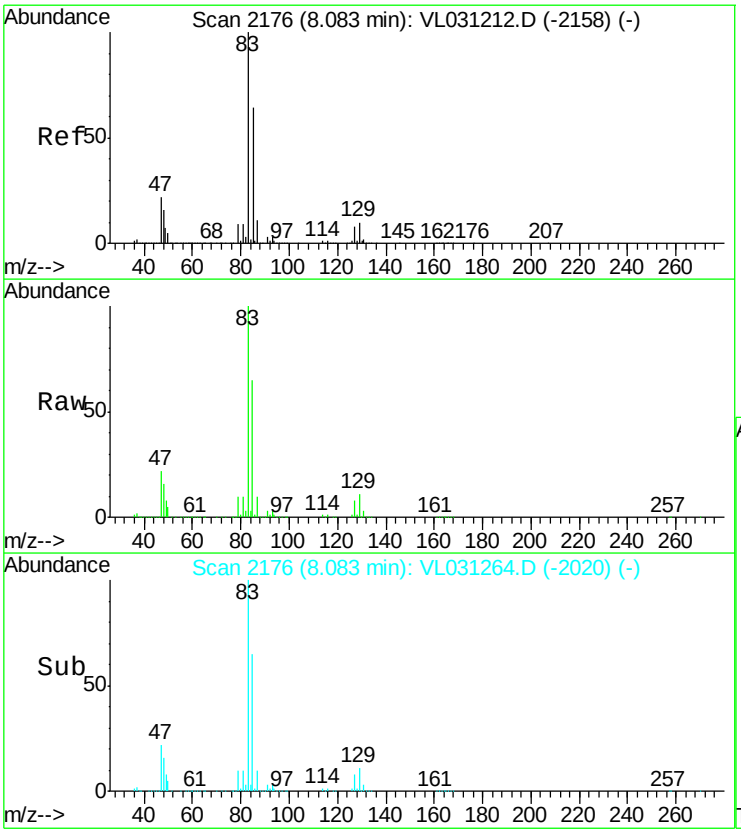
#41
Tetrahydrofuran
Concen: 9.30 ppbv
RT: 6.30 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 42 Resp: 1630012

Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.2	45.4
71	36.7	29.0	43.6

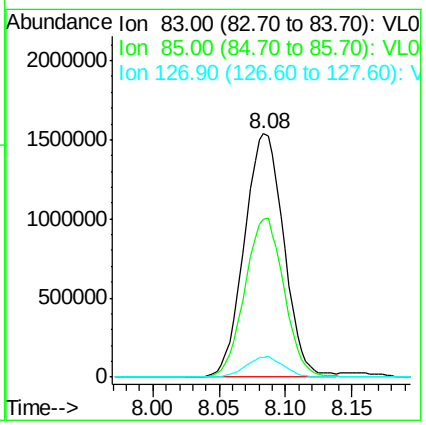


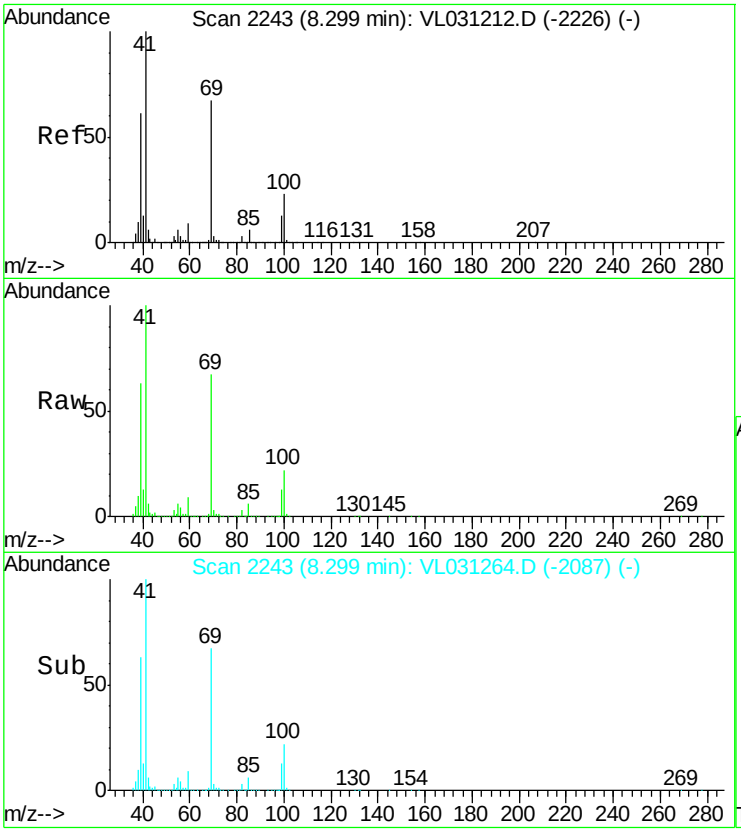


#42
Bromodichloromethane
Concen: 10.47 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 83 Resp: 3185885

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3
127	8.0	6.5	9.7



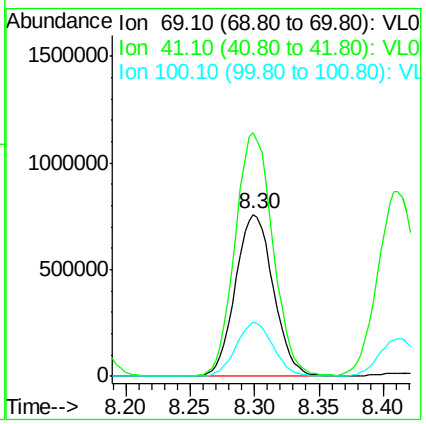


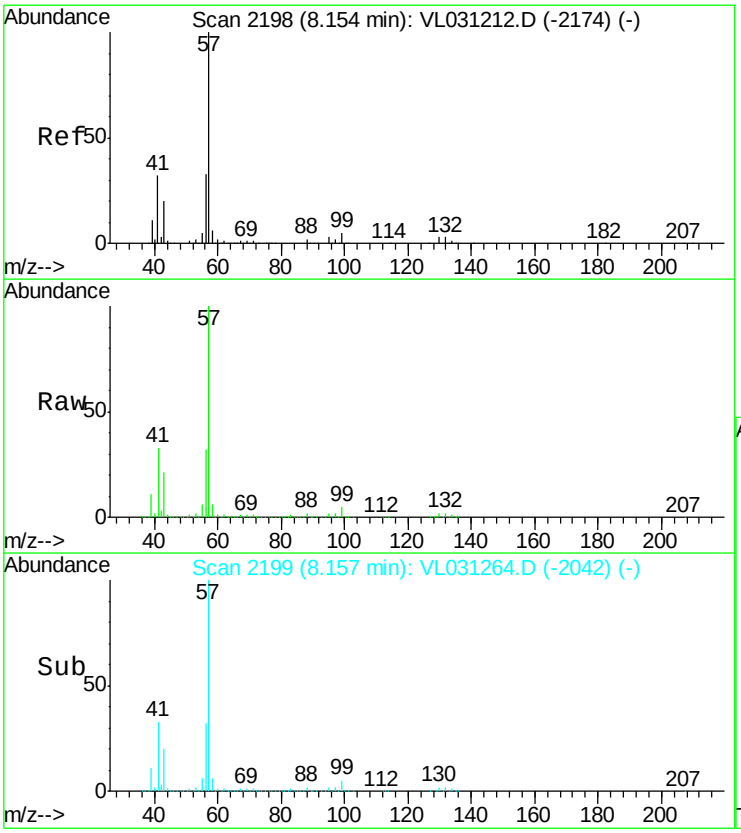
#43
Methyl Methacrylate
Concen: 9.92 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 1553306

Ion	Ratio	Lower	Upper
69	100		
41	149.2	121.1	181.7
100	32.6	27.4	41.2

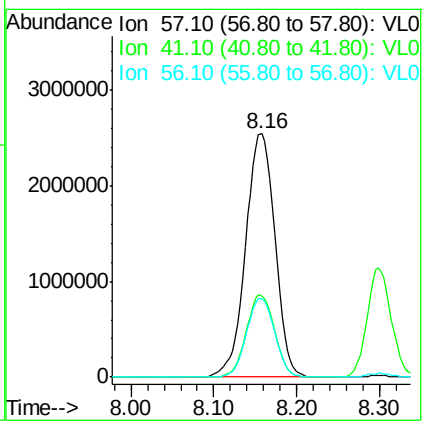


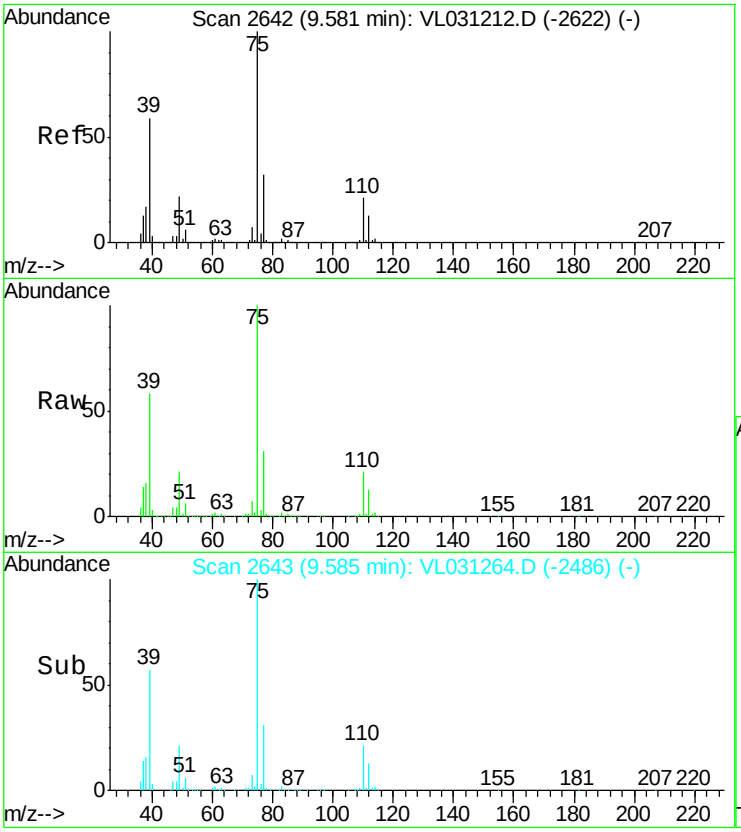


#44
2,2,4-Trimethylpentane
Concen: 8.86 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 57 Resp: 6260504

Ion	Ratio	Lower	Upper
57	100		
41	32.6	25.5	38.3
56	31.1	25.0	37.6



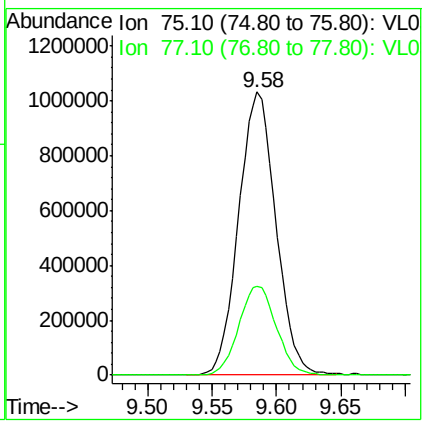


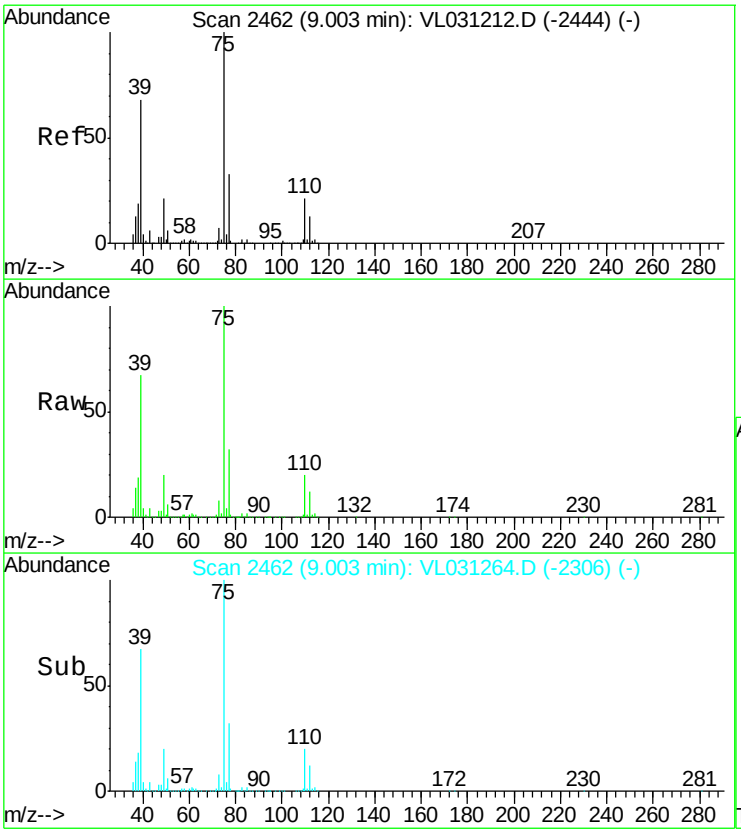
#45
t-1,3-Dichloropropene
Concen: 9.67 ppbv
RT: 9.58 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 2072178

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

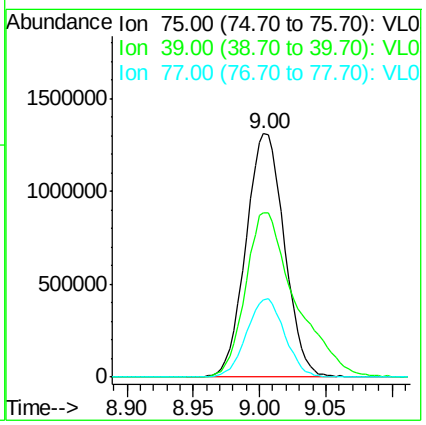


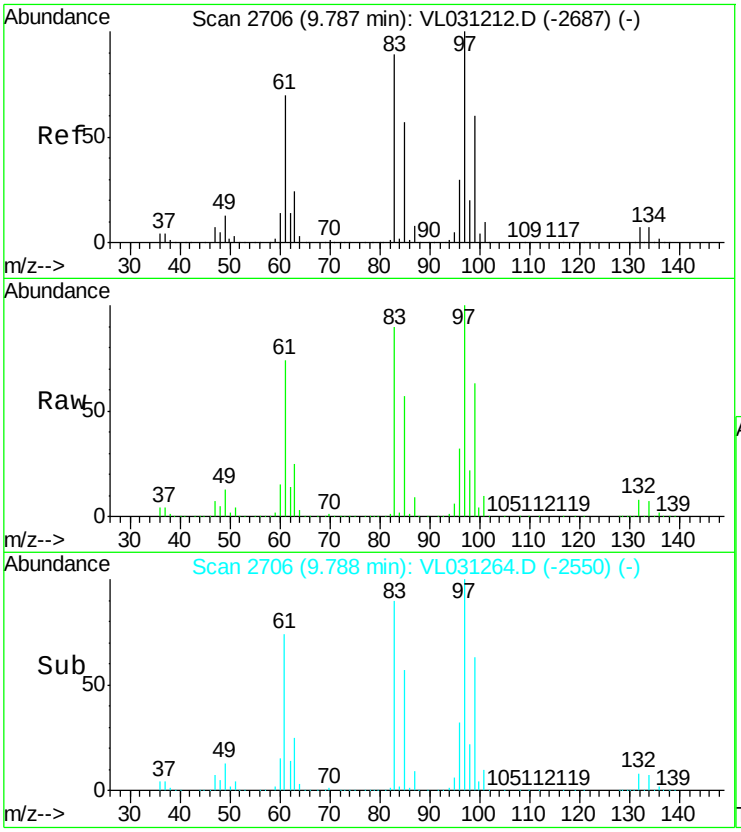


#46
cis-1,3-Dichloropropene
Concen: 9.80 ppbv
RT: 9.00 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 75 Resp: 2640143

Ion	Ratio	Lower	Upper
75	100		
39	67.3	54.2	81.4
77	31.9	26.2	39.4



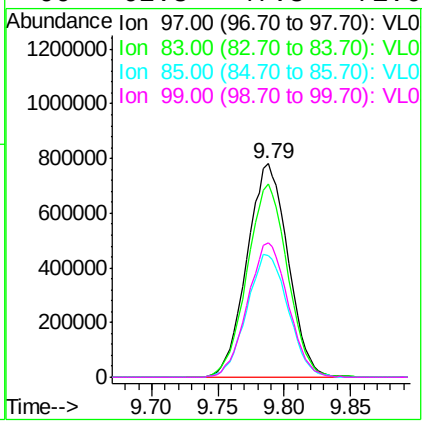


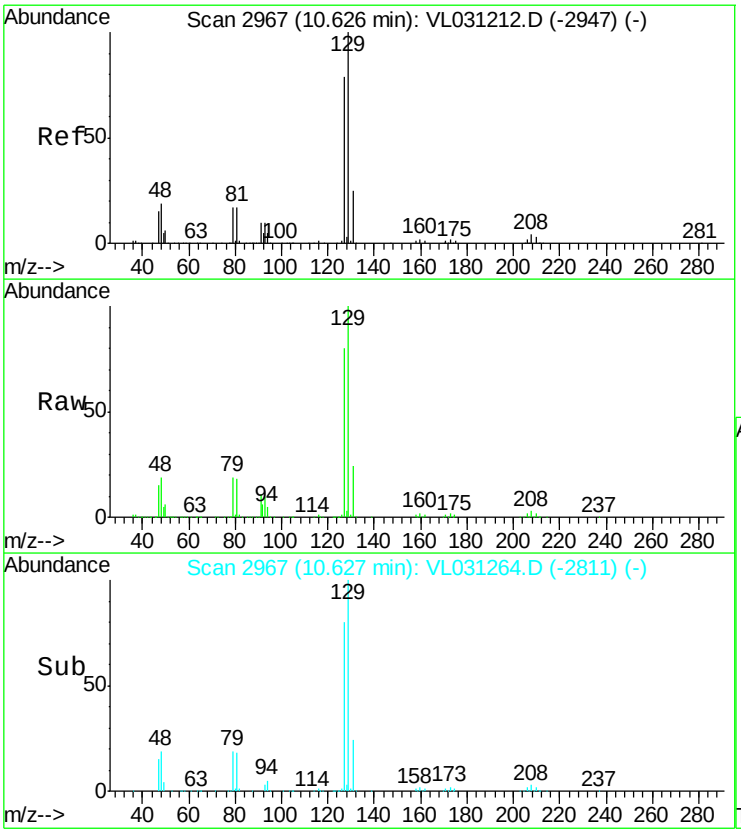
#47
1,1,2-Trichloroethane
Concen: 9.81 ppbv
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 1682422

Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.0	106.4
85	57.1	45.3	67.9
99	62.8	47.8	71.6

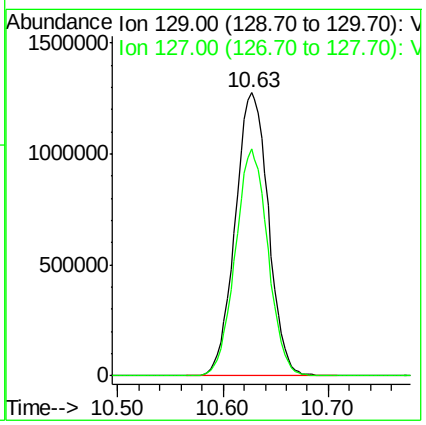


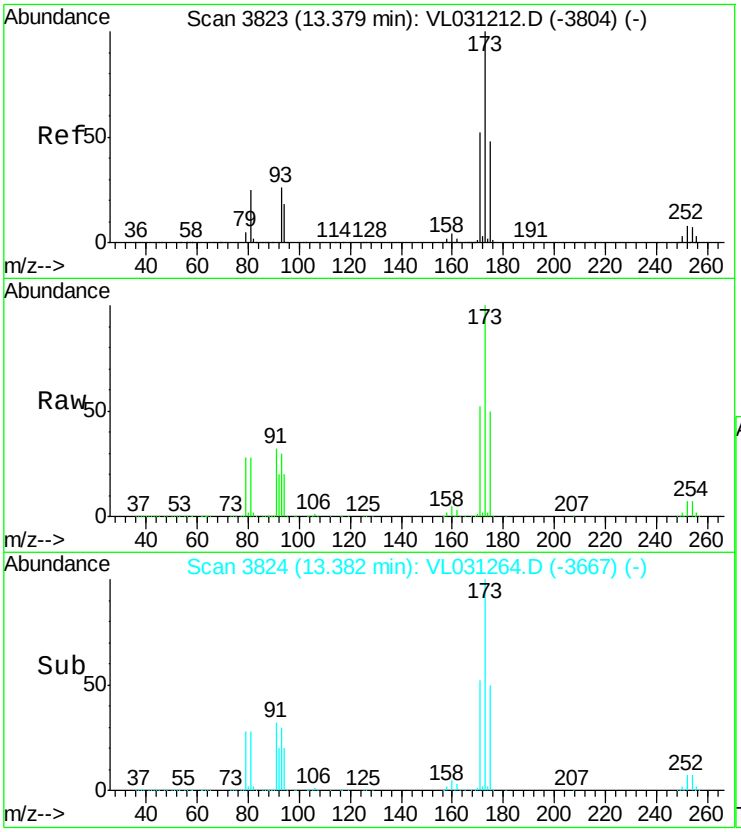


#48
Dibromochloromethane
Concen: 10.44 ppbv
RT: 10.63 min Scan# 2967
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:129 Resp: 2797158

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.5



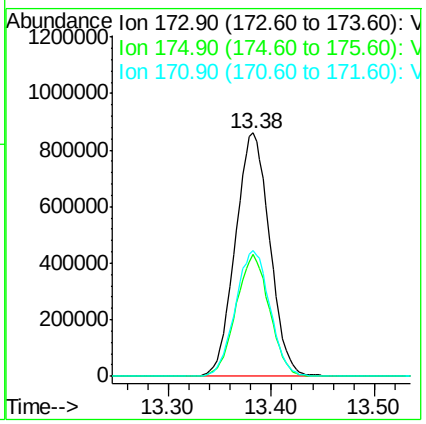


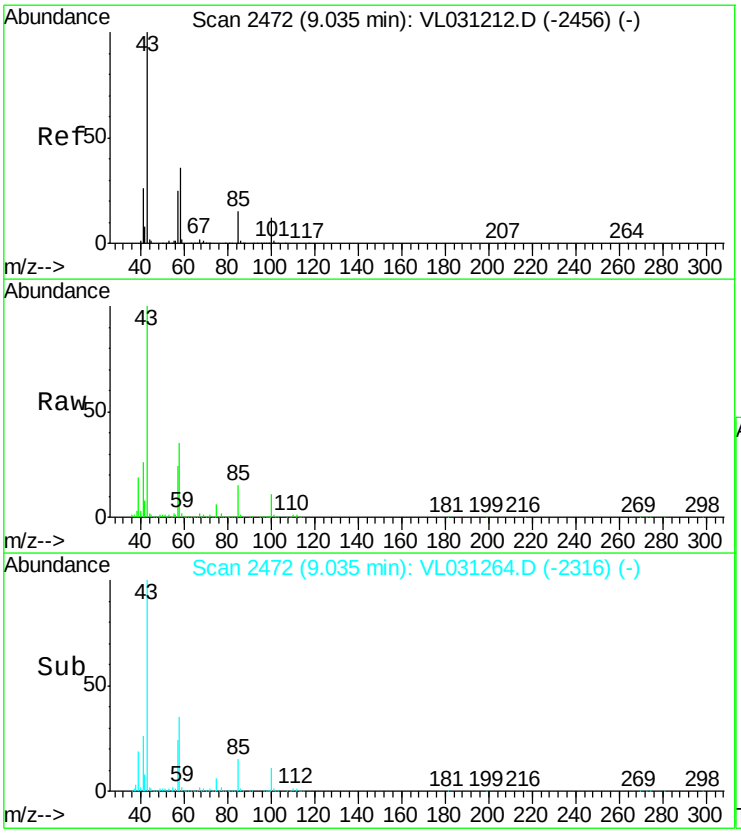
#49
Bromoform
Concen: 10.11 ppbv
RT: 13.38 min Scan# 3824
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1998608

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.4
171	51.9	41.8	62.8

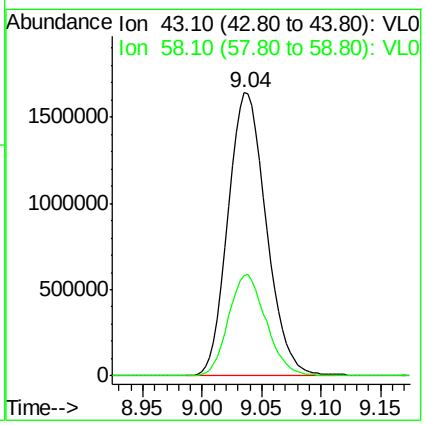


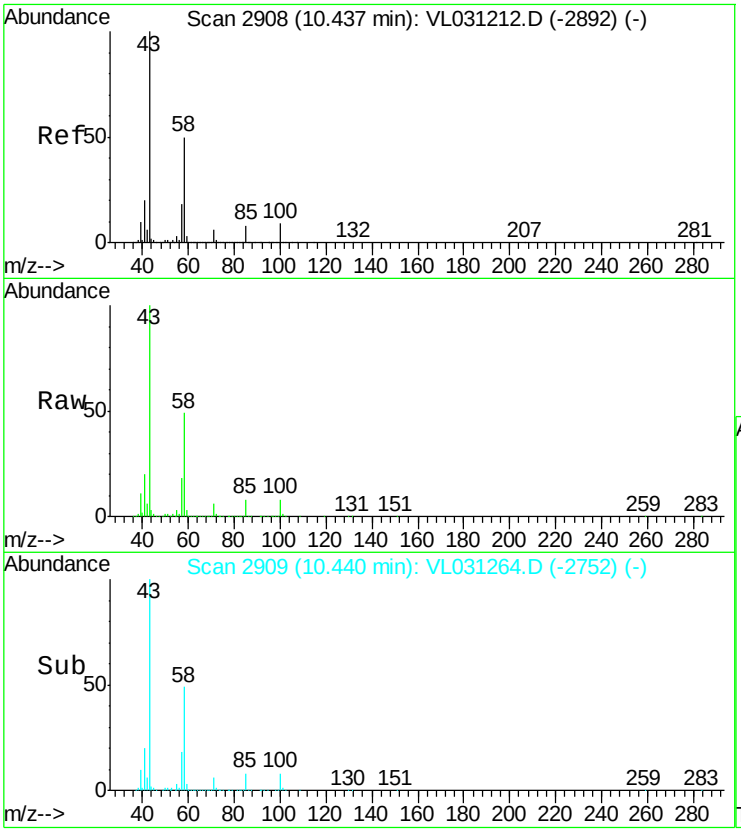


#50
4-Methyl-2-Pentanone
Concen: 9.59 ppbv
RT: 9.04 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 43 Resp: 3658689

Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.8	43.2



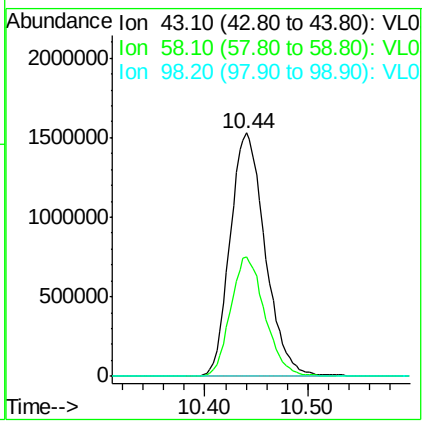


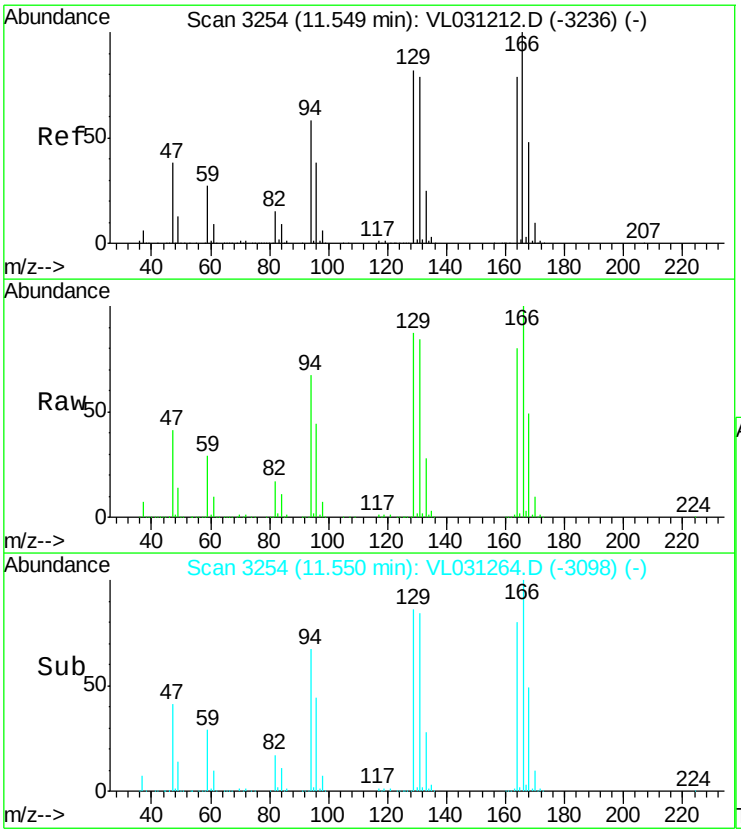
#51
2-Hexanone
Concen: 9.95 ppbv
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 3622983

Ion	Ratio	Lower	Upper
43	100		
58	48.1	39.8	59.6
98	0.1	0.0	0.0#

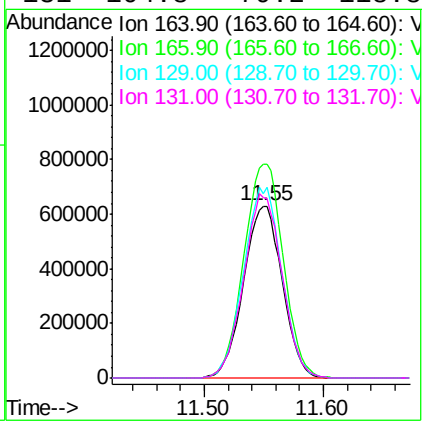


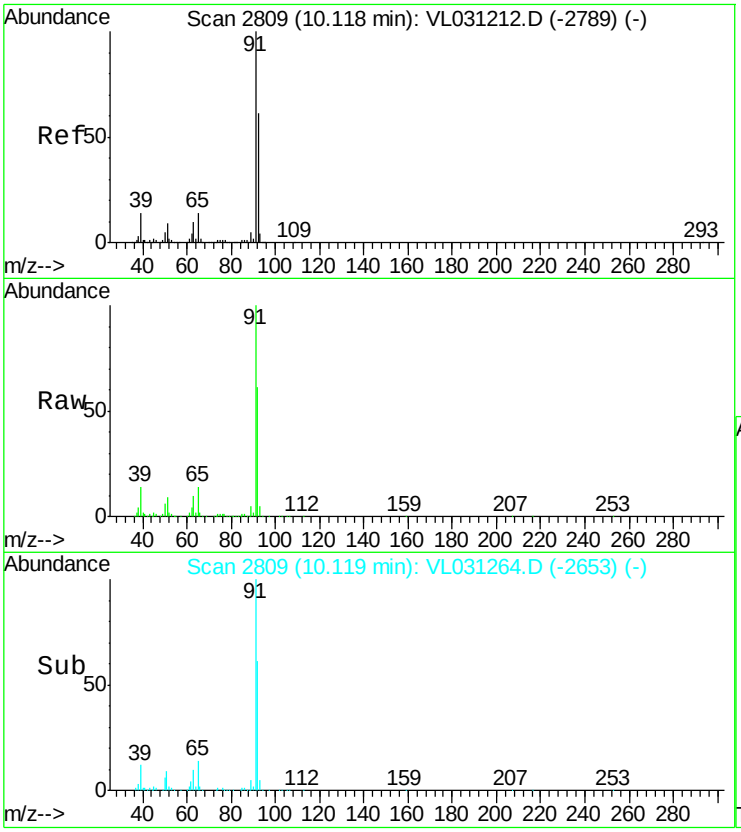


#52
Tetrachloroethene
Concen: 8.20 ppbv
RT: 11.55 min Scan# 3254
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:164 Resp: 1414528

Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.6	151.0
129	107.5	82.9	124.3
131	104.8	79.2	118.8



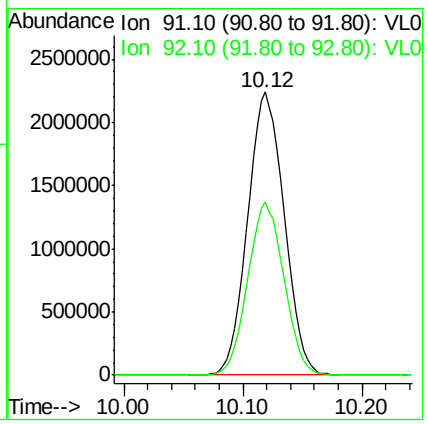


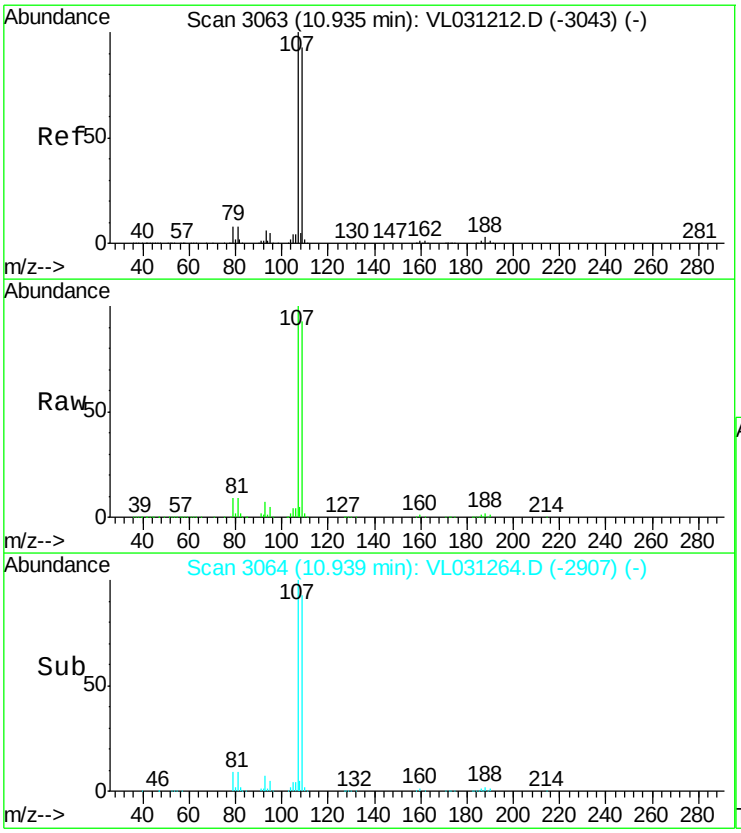
#53
Toluene
Concen: 9.39 ppbv
RT: 10.12 min Scan# 2809
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 4763718

Ion	Ratio	Lower	Upper
91	100		
92	60.5	49.1	73.7

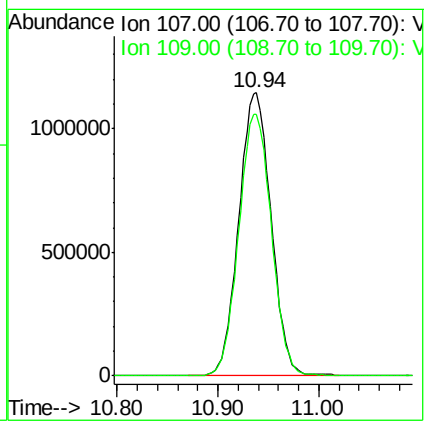


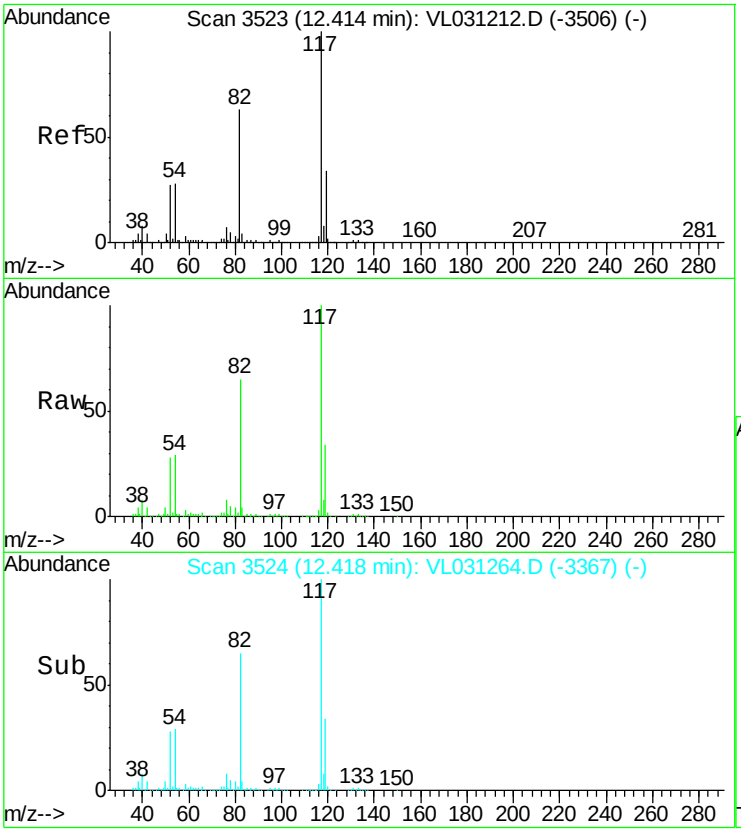


#54
1,2-Dibromoethane
Concen: 9.76 ppbv
RT: 10.94 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:107 Resp: 2535828

Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.7	112.1



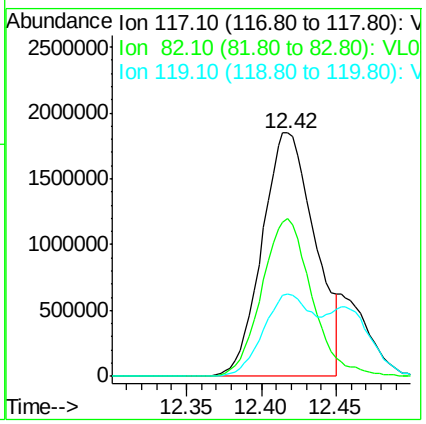


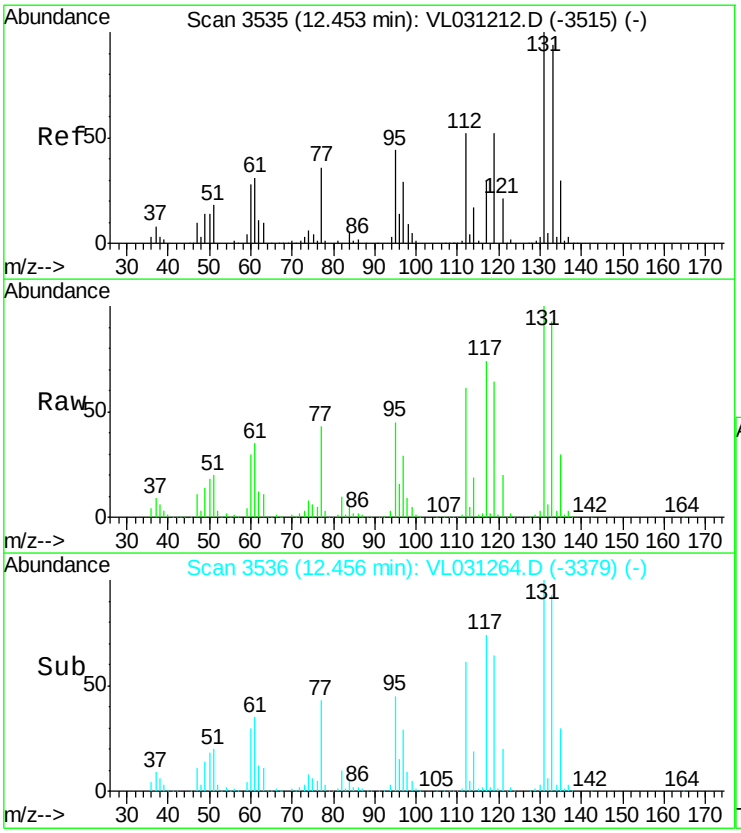
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.42 min Scan# 3524
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 4529412

Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.1	72.1
119	55.6	23.1	34.7#

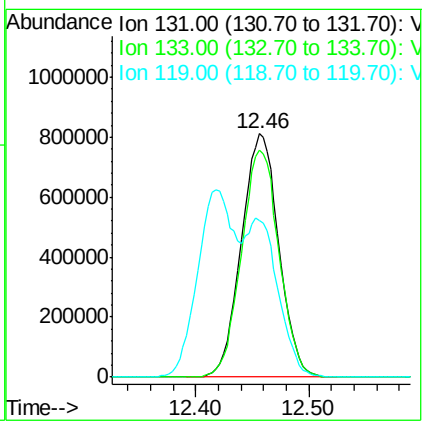


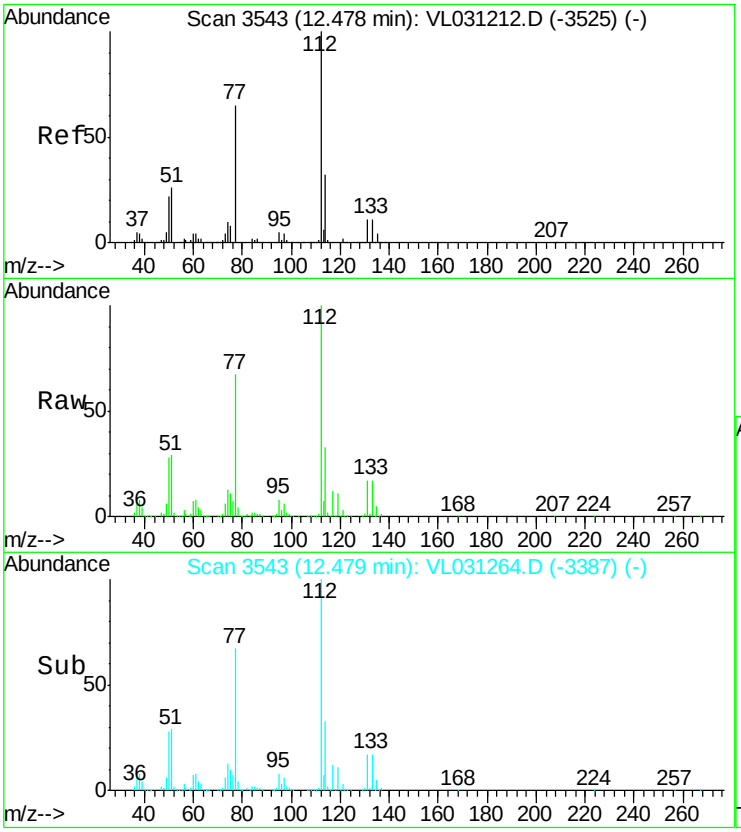


#56
1,1,1,2-Tetrachloroethane
Concen: 9.20 ppbv
RT: 12.46 min Scan# 3536
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:131 Resp: 1859834

Ion	Ratio	Lower	Upper
131	100		
133	94.3	76.1	114.1
119	135.6	108.5	162.7



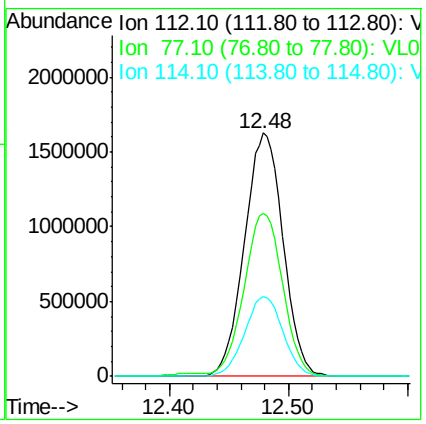


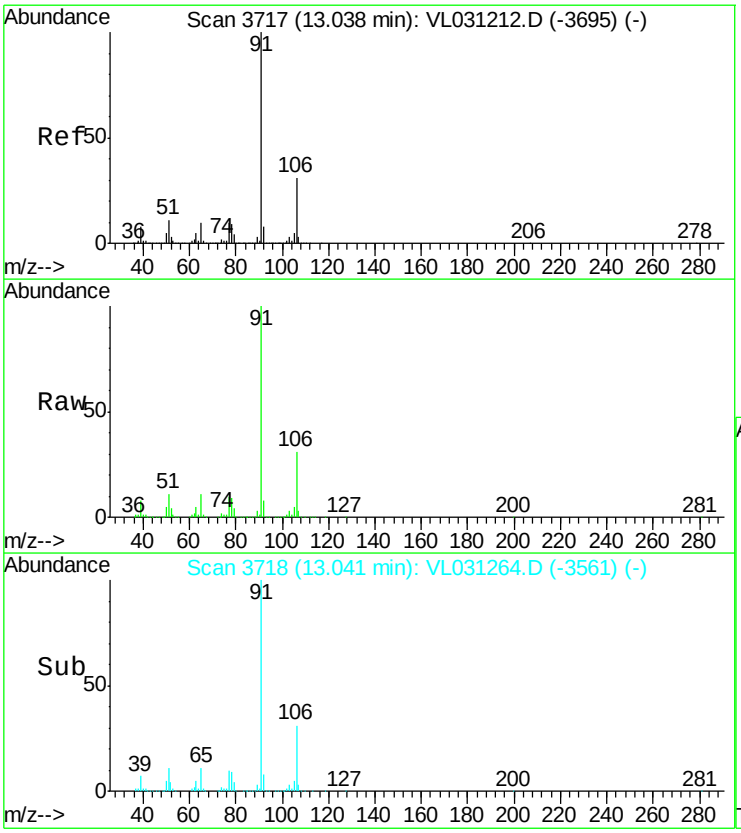
#57
Chlorobenzene
Concen: 8.65 ppbv
RT: 12.48 min Scan# 3543
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 3651969

Ion	Ratio	Lower	Upper
112	100		
77	66.9	52.9	79.3
114	32.5	29.1	35.5

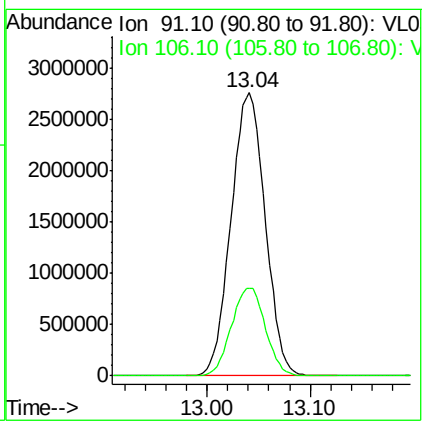


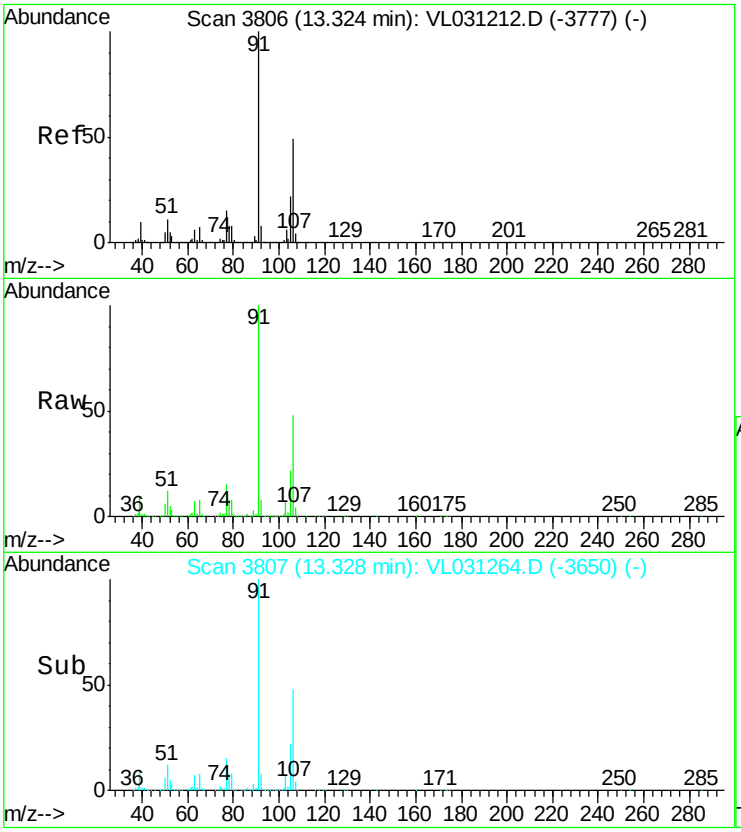


#58
Ethyl Benzene
Concen: 8.50 ppbv
RT: 13.04 min Scan# 3718
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 91 Resp: 6359165

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.1	37.7



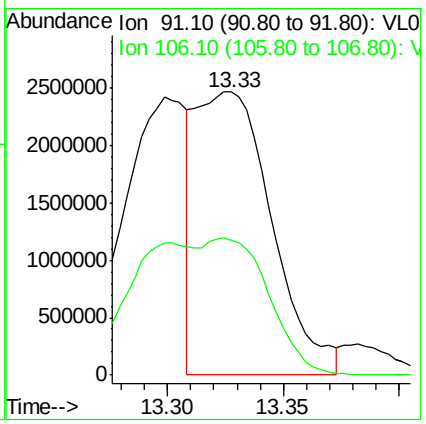


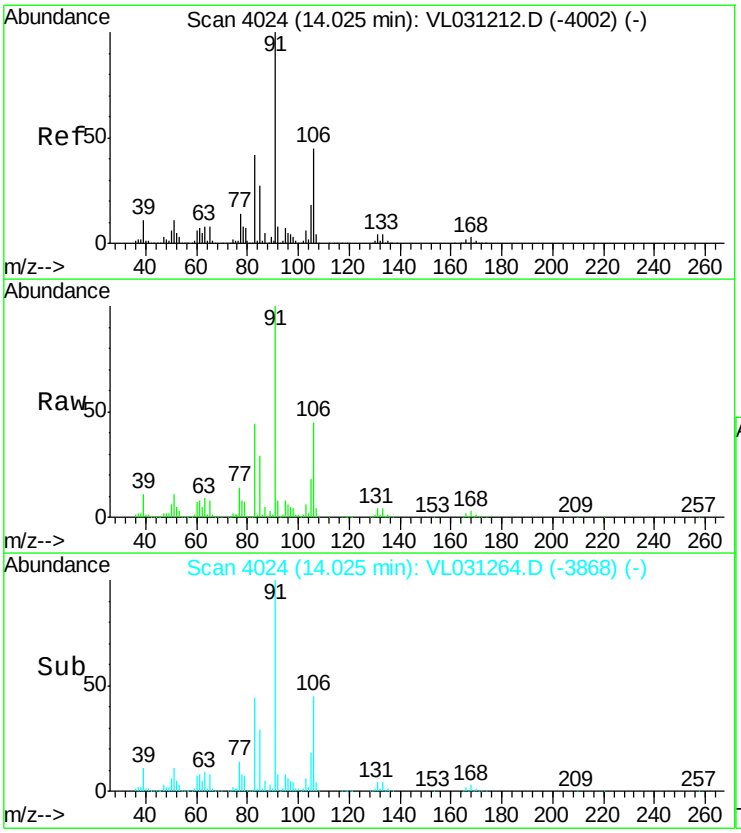
#59
m/p-Xylene
Concen: 9.34 ppbv
RT: 13.33 min Scan# 3807
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 5591031

Ion	Ratio	Lower	Upper
91	100		
106	85.8	38.5	57.7#

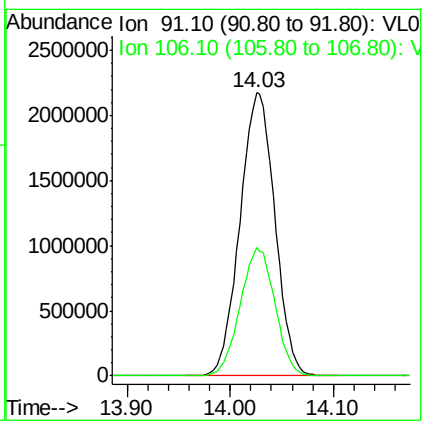


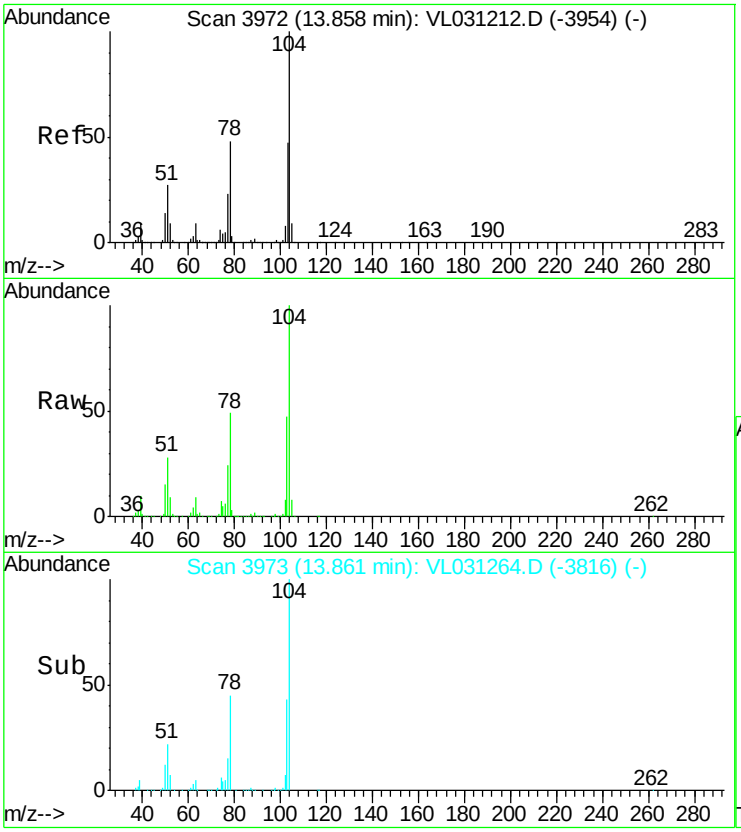


#60
o-Xylene
Concen: 8.46 ppbv
RT: 14.03 min Scan# 4024
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 91 Resp: 5105080

Ion	Ratio	Lower	Upper
91	100		
106	45.0	22.7	68.1



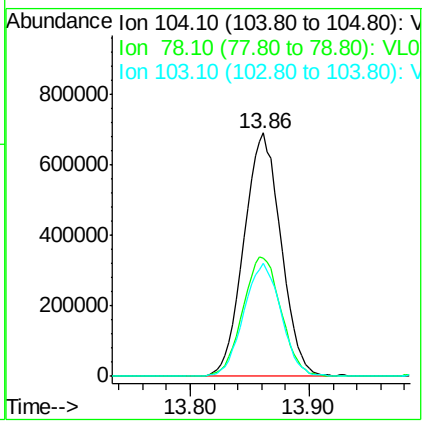


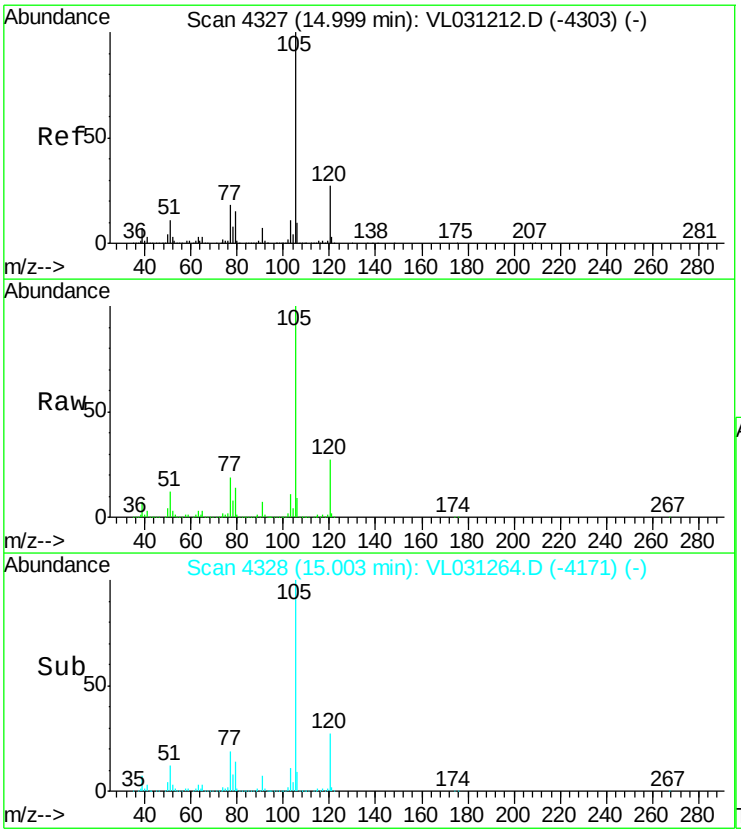
#61
Styrene
Concen: 8.61 ppbv
RT: 13.86 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1490572

Ion	Ratio	Lower	Upper
104	100		
78	50.7	39.1	58.7
103	46.8	37.3	55.9

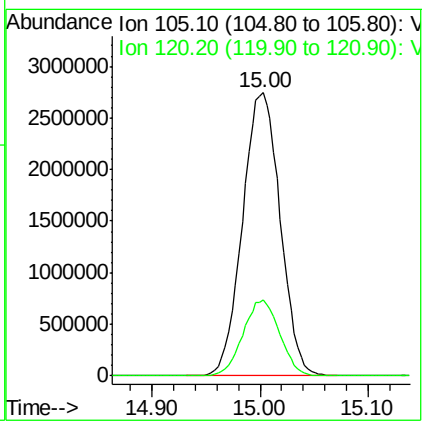


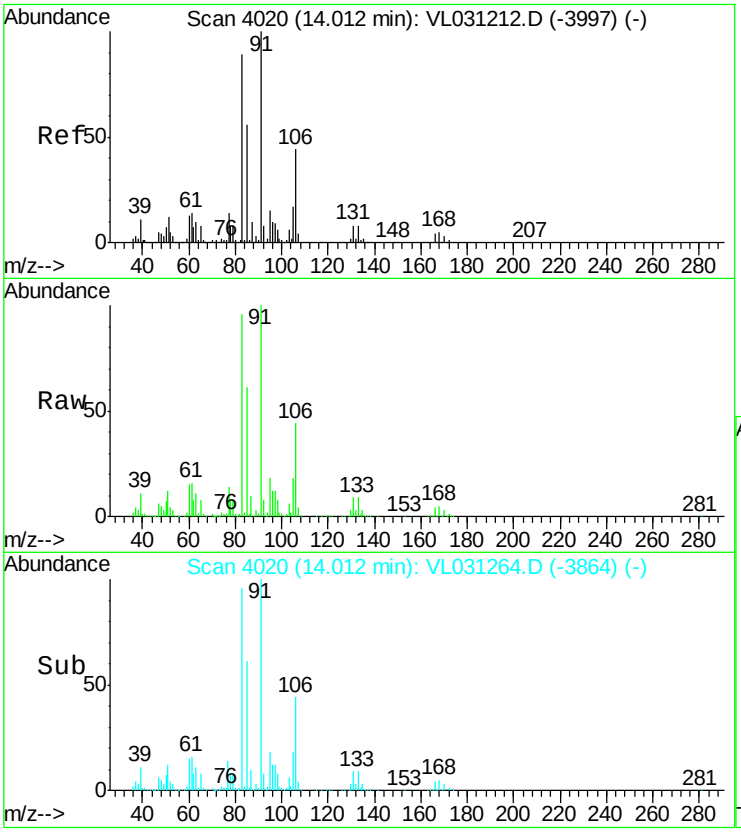


#62
Isopropylbenzene
Concen: 8.40 ppbv
RT: 15.00 min Scan# 4328
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:105 Resp: 6648665

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.6



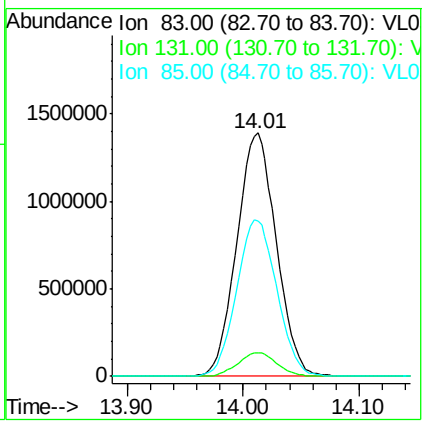


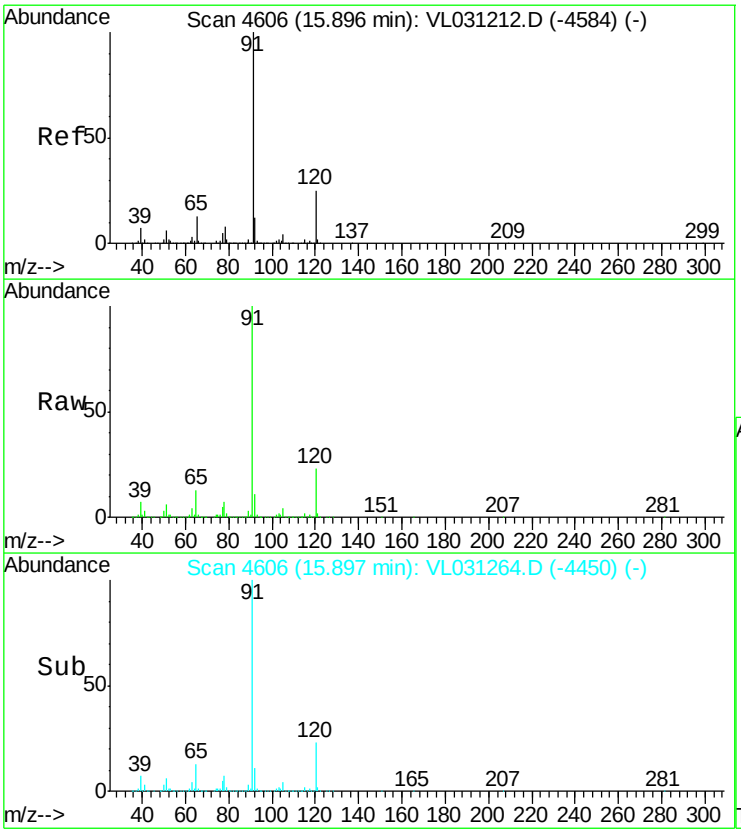
#63
1,1,2,2-Tetrachloroethane
Concen: 8.14 ppbv
RT: 14.01 min Scan# 4020
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 3290926

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	65.7	32.1	96.5

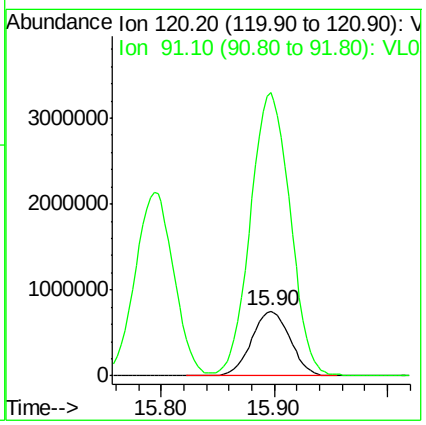


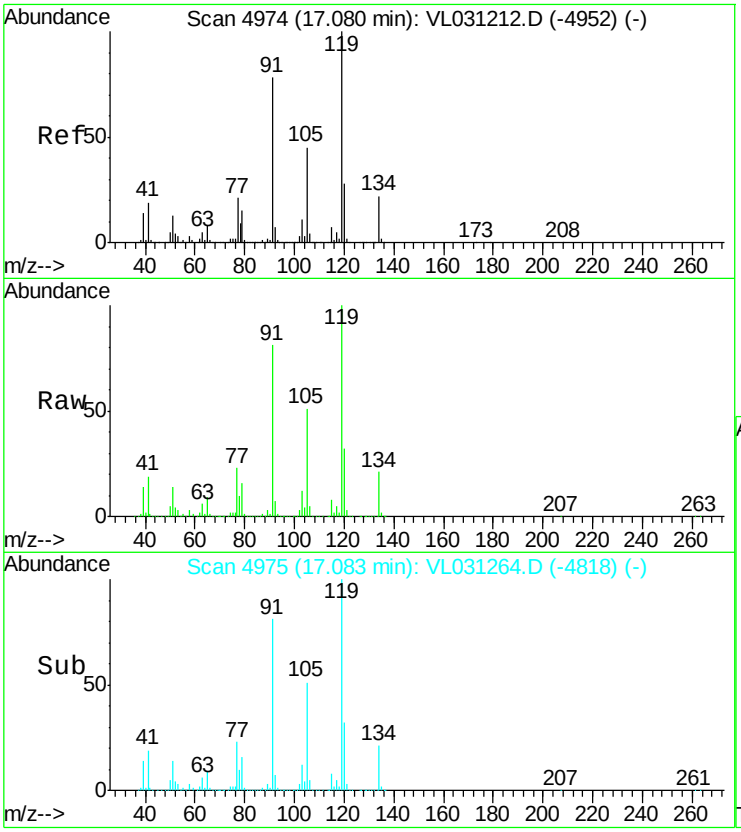


#64
n-propylbenzene
Concen: 8.48 ppbv
RT: 15.90 min Scan# 4606
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:120 Resp: 1780077

Ion	Ratio	Lower	Upper
120	100		
91	452.2	352.1	528.1



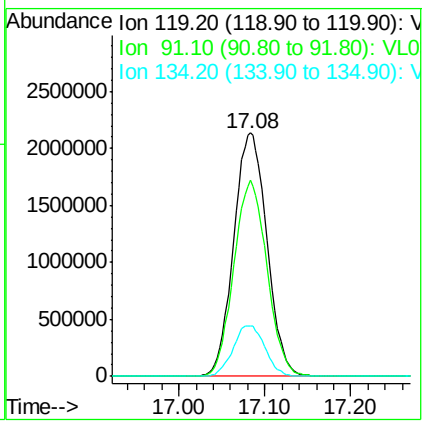


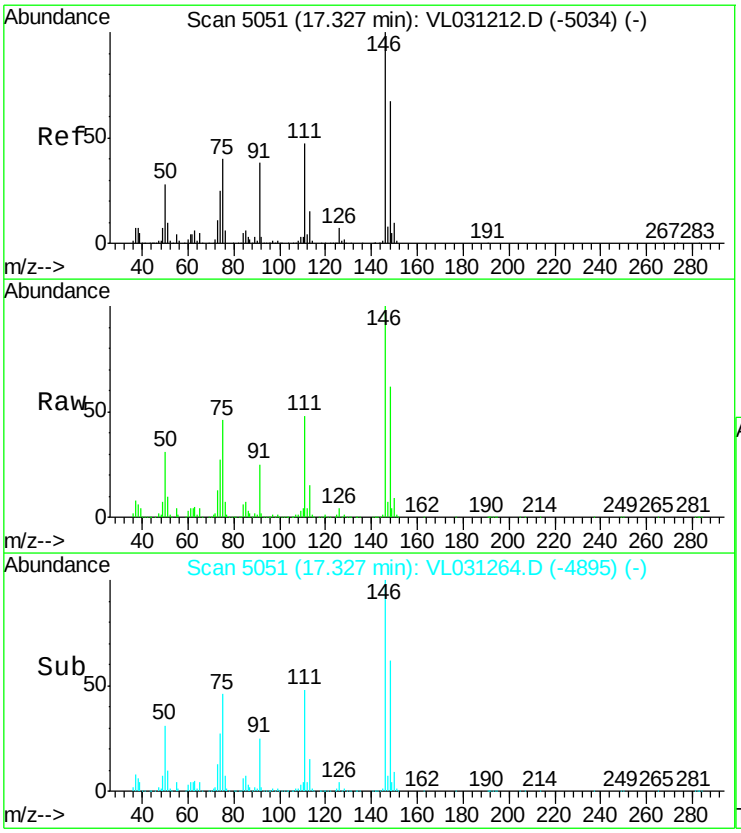
#65
tert-Butylbenzene
Concen: 8.17 ppbv
RT: 17.08 min Scan# 4975
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 5727905

Ion	Ratio	Lower	Upper
119	100		
91	80.4	63.3	94.9
134	20.1	16.1	24.1

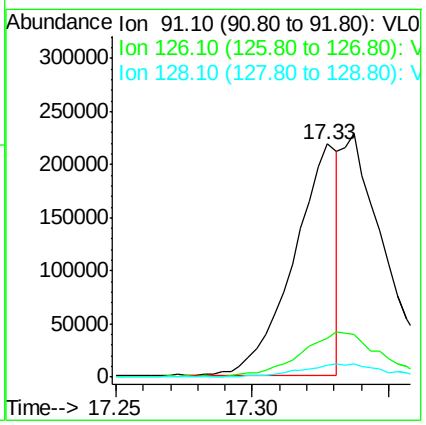


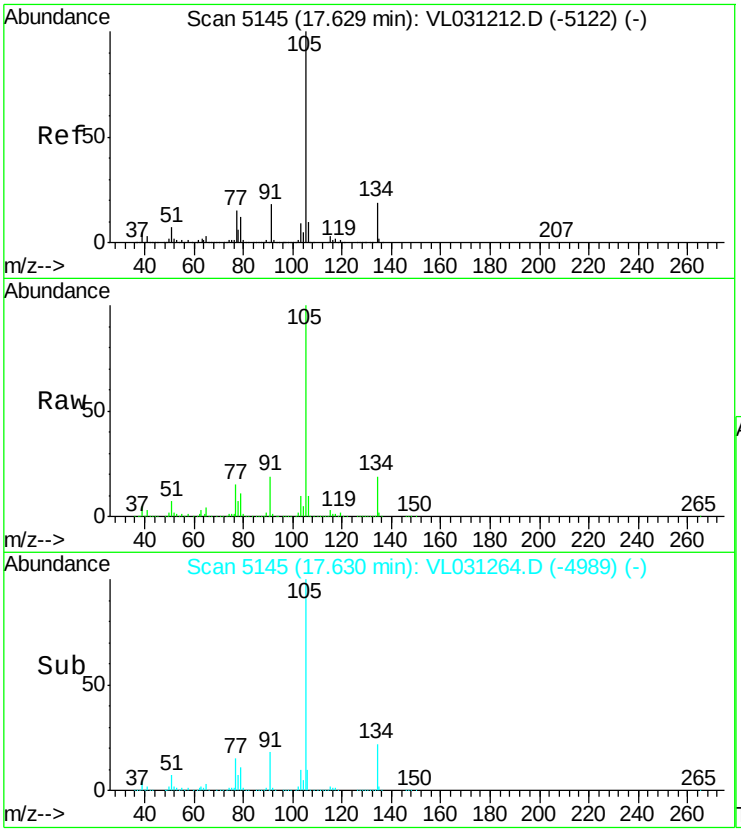


#66
Benzyl Chloride
Concen: 3.24 ppbv
RT: 17.33 min Scan# 5051
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 91 Resp: 244687

Ion	Ratio	Lower	Upper
91	100		
126	36.1	15.2	22.8#
128	0.0	4.9	7.3#



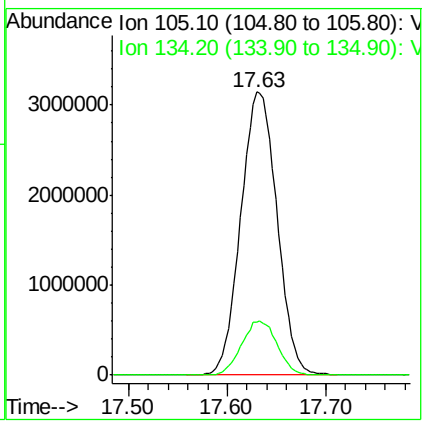


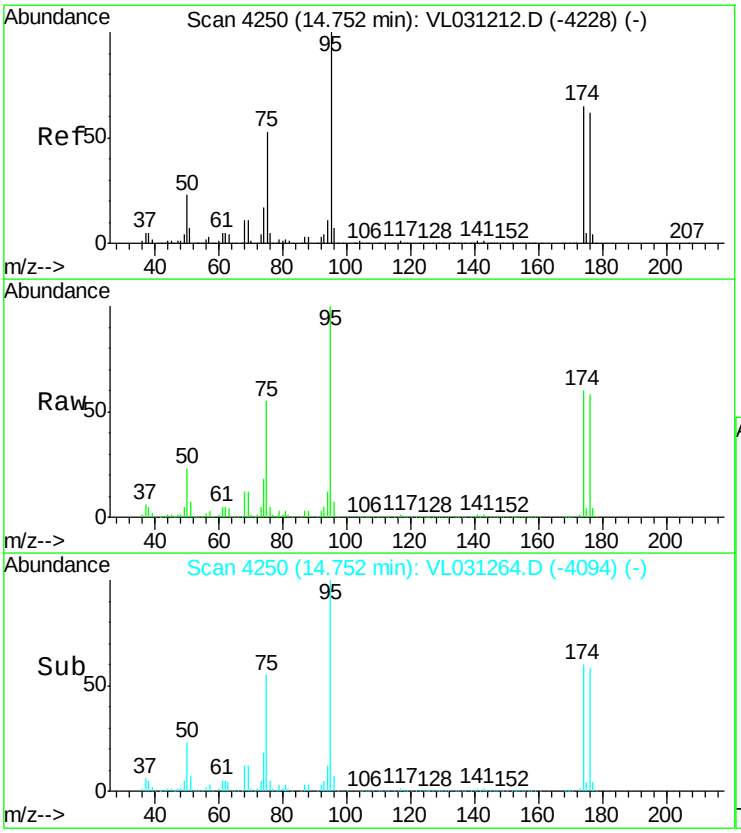
#67
sec-Butylbenzene
Concen: 8.27 ppbv
RT: 17.63 min Scan# 5145
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:105 Resp: 7971497

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.3	22.9

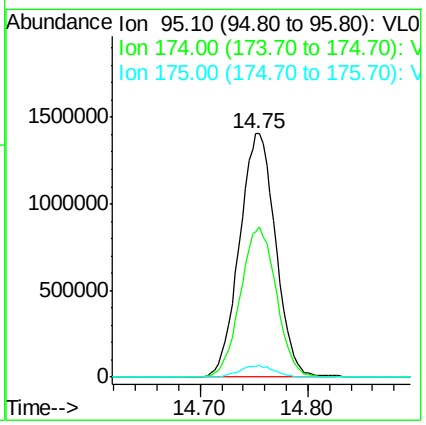


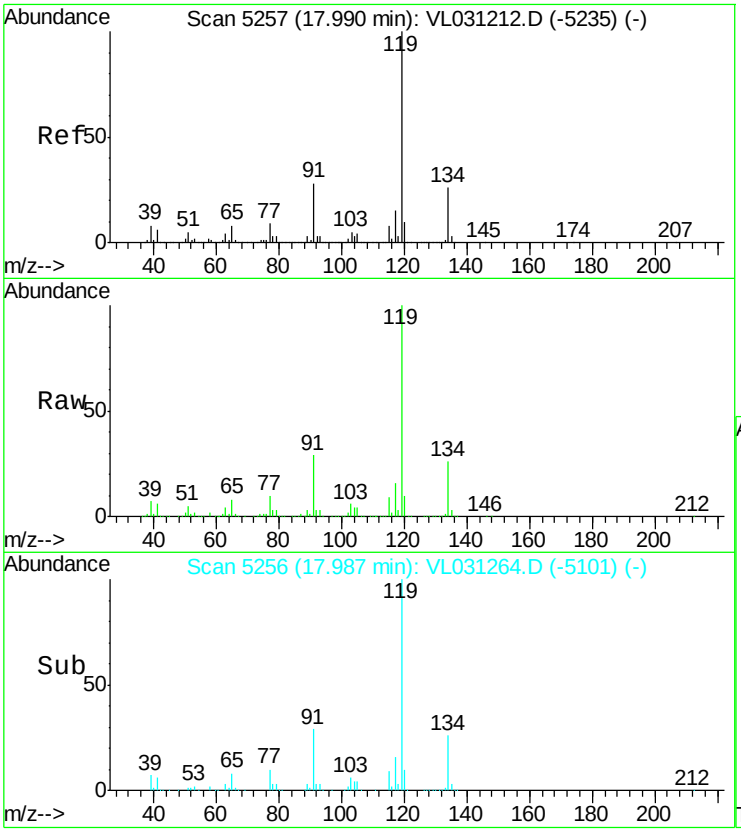


#68
1-Bromo-4-Fluorobenzene
Concen: 10.14 ppbv
RT: 14.75 min Scan# 4250
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 95 Resp: 3268369

Ion	Ratio	Lower	Upper
95	100		
174	61.6	52.5	78.7
175	4.7	4.1	6.1



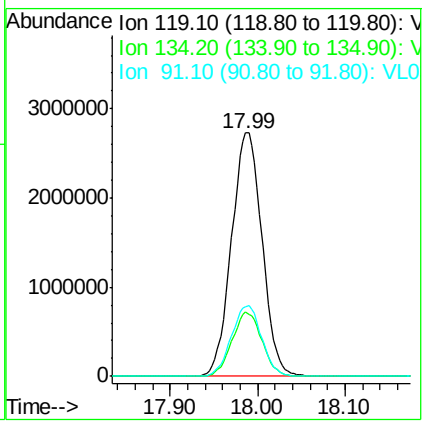


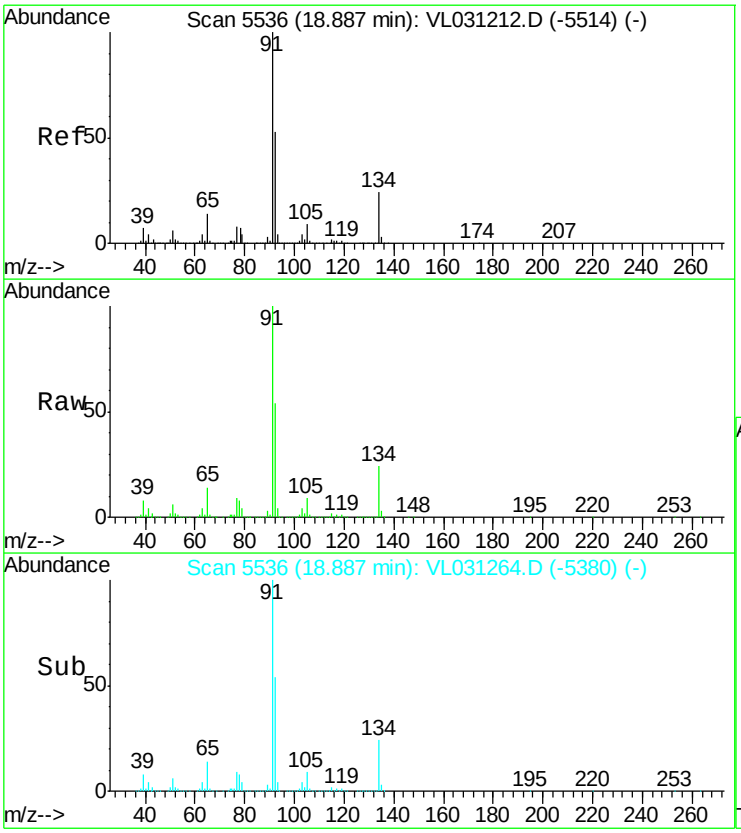
#69
p-Isopropyltoluene
Concen: 8.22 ppbv
RT: 17.99 min Scan# 5256
Delta R.T. -0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 6609863

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.7	31.1
91	29.0	22.3	33.5

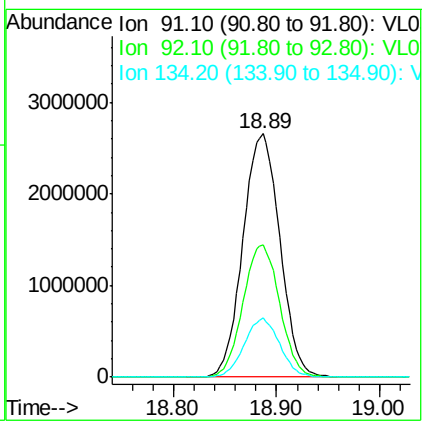


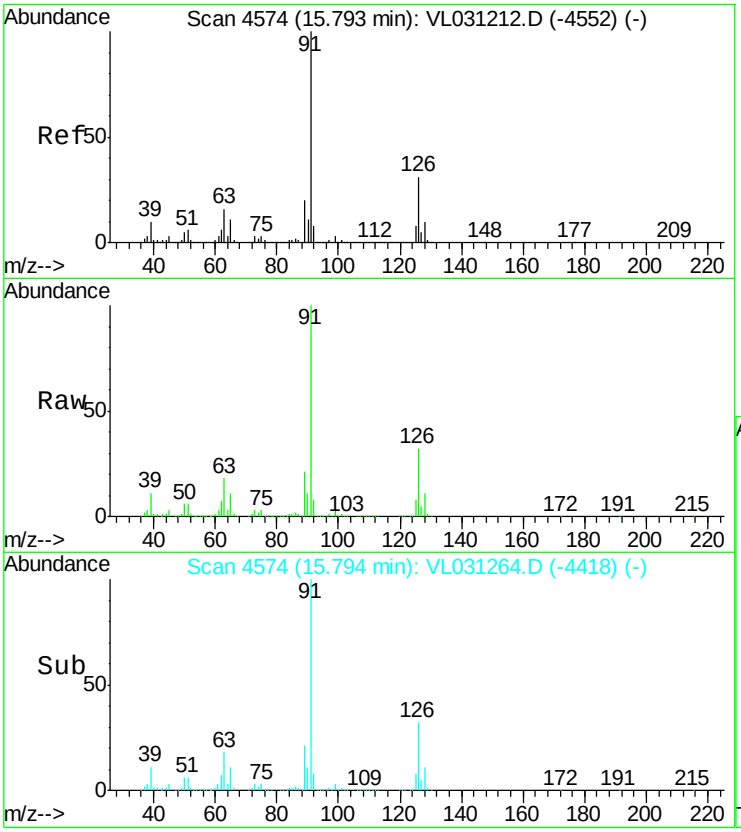


#70
n-Butylbenzene
Concen: 8.53 ppbv
RT: 18.89 min Scan# 5536
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion: 91 Resp: 6610316

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.4	65.2
134	23.2	19.3	28.9



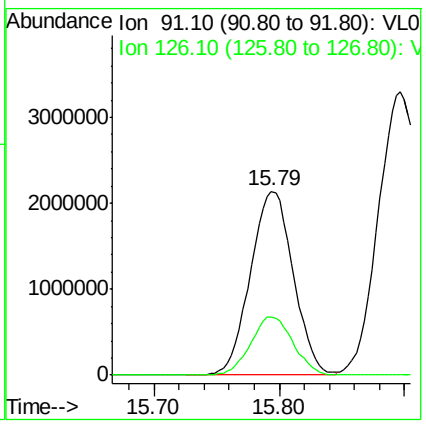


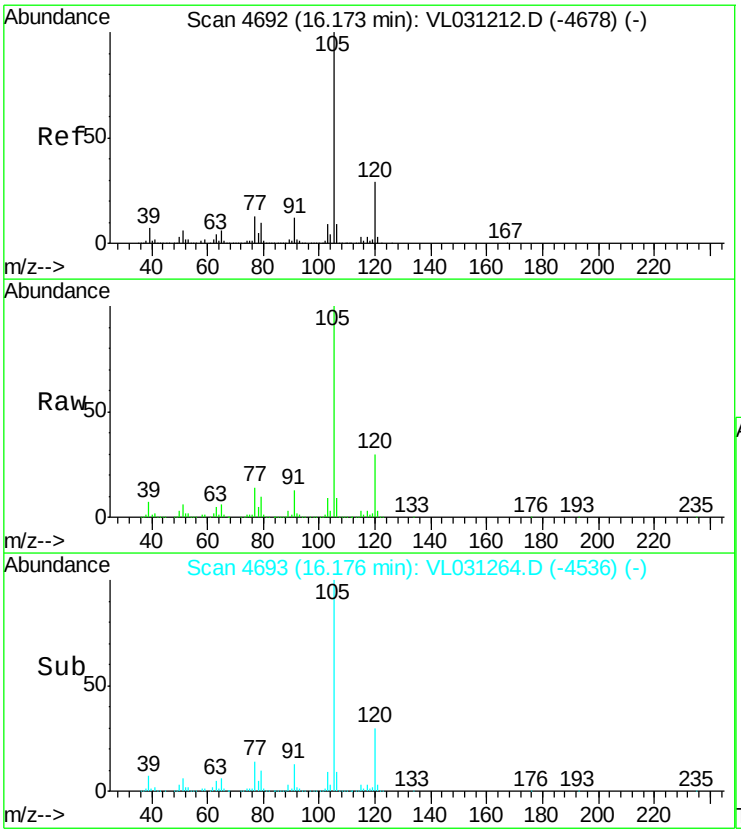
#71
2-Chlorotoluene
Concen: 8.67 ppbv
RT: 15.79 min Scan# 4574
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 5094380

Ion	Ratio	Lower	Upper
91	100		
126	31.5	12.6	50.6

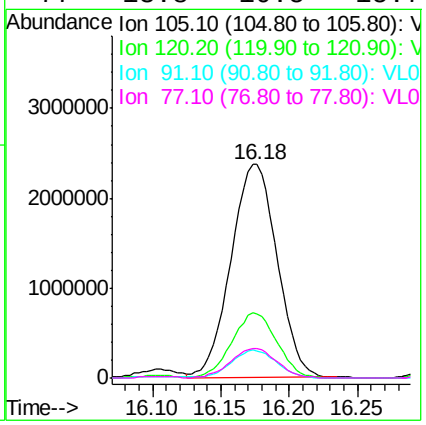


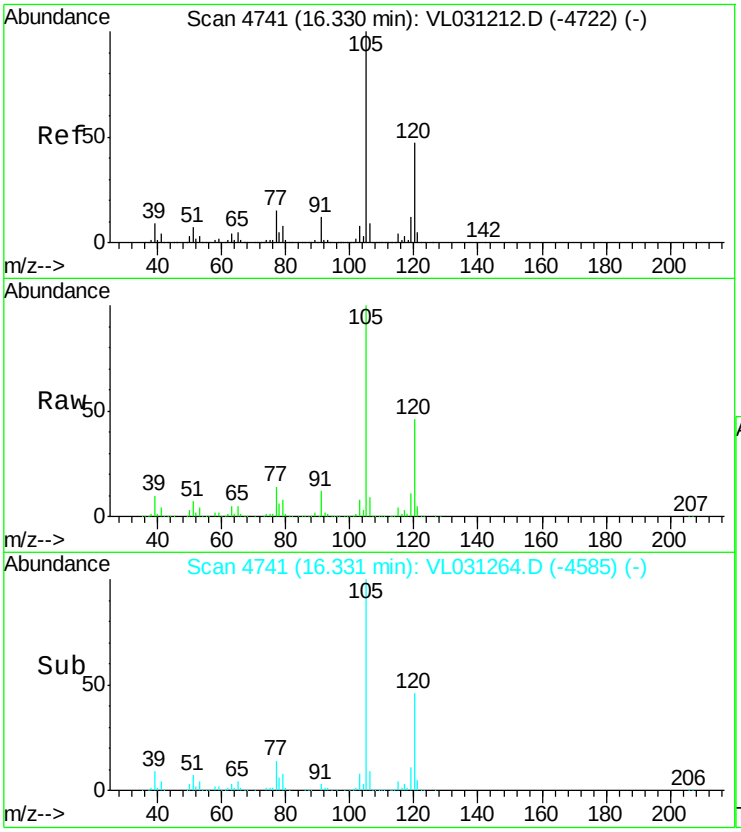


#72
4-Ethyltoluene
Concen: 8.44 ppbv
RT: 16.18 min Scan# 4693
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:105 Resp: 5577955

Ion	Ratio	Lower	Upper
105	100		
120	30.0	24.2	36.2
91	13.0	9.8	14.8
77	13.8	10.5	15.7



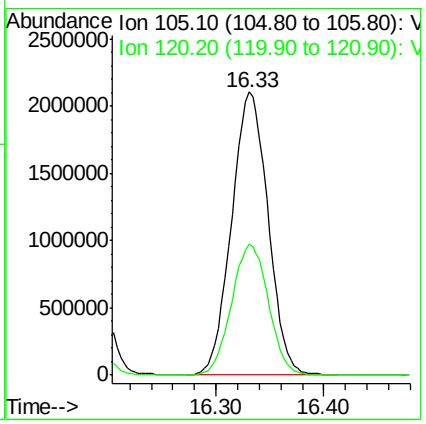


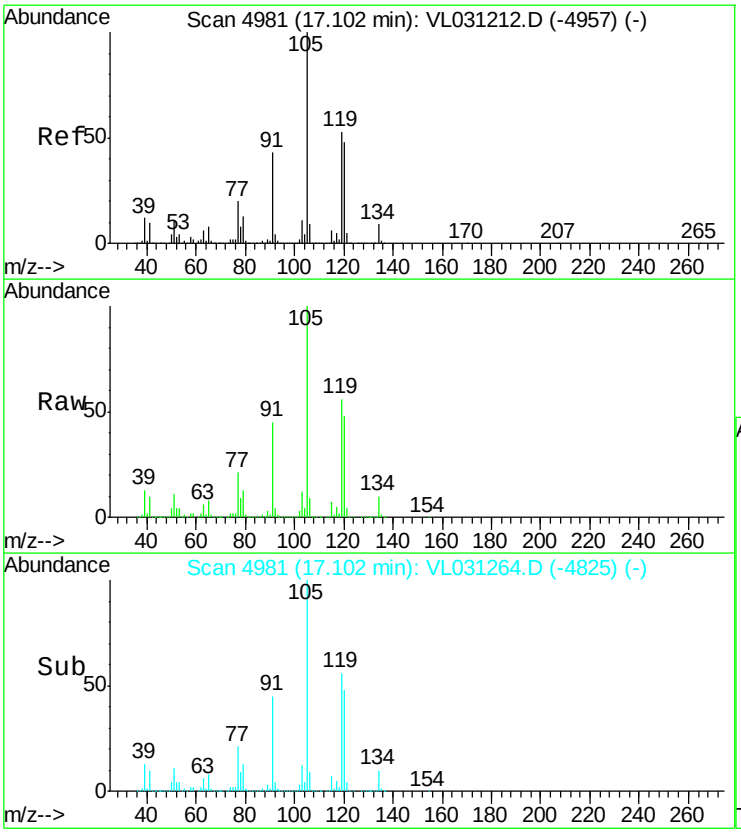
#73
1,3,5-Trimethylbenzene
Concen: 8.39 ppbv
RT: 16.33 min Scan# 4741
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4935280

Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.6

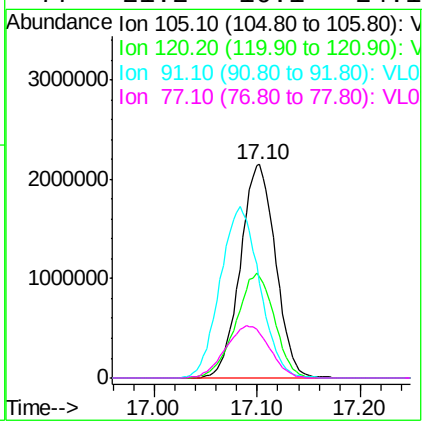


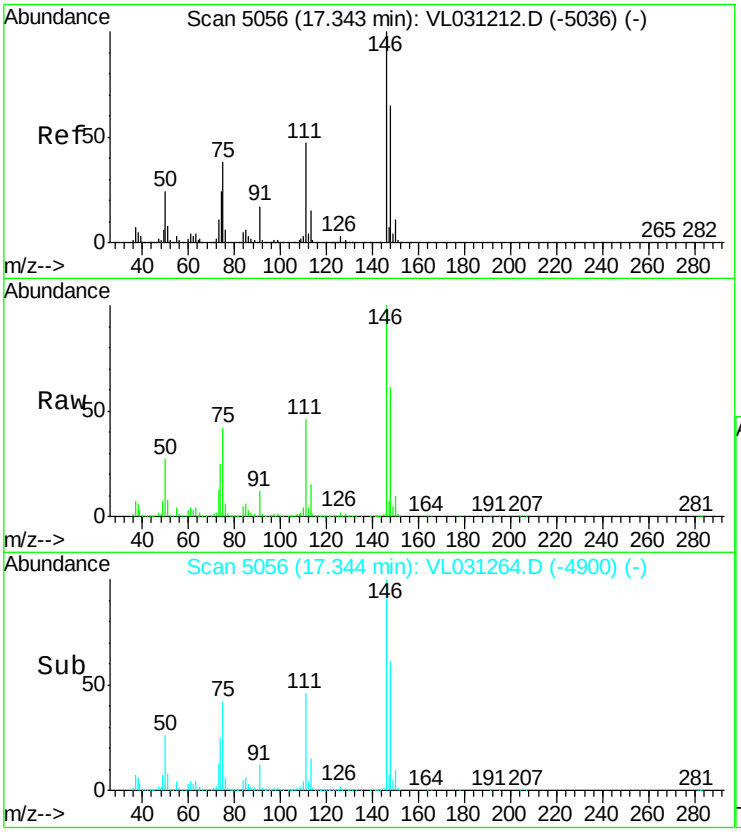


#74
1,2,4-Trimethylbenzene
Concen: 8.22 ppbv
RT: 17.10 min Scan# 4981
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:105 Resp: 5085835

Ion	Ratio	Lower	Upper
105	100		
120	47.4	38.6	58.0
91	44.5	34.2	51.4
77	21.2	16.1	24.1



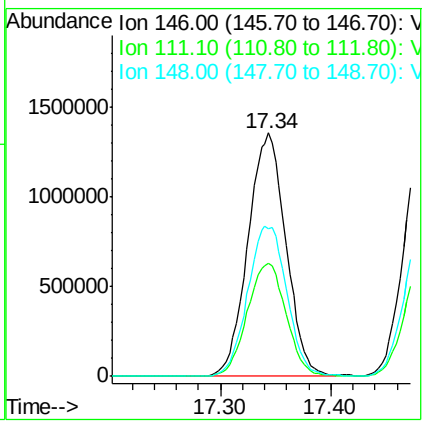


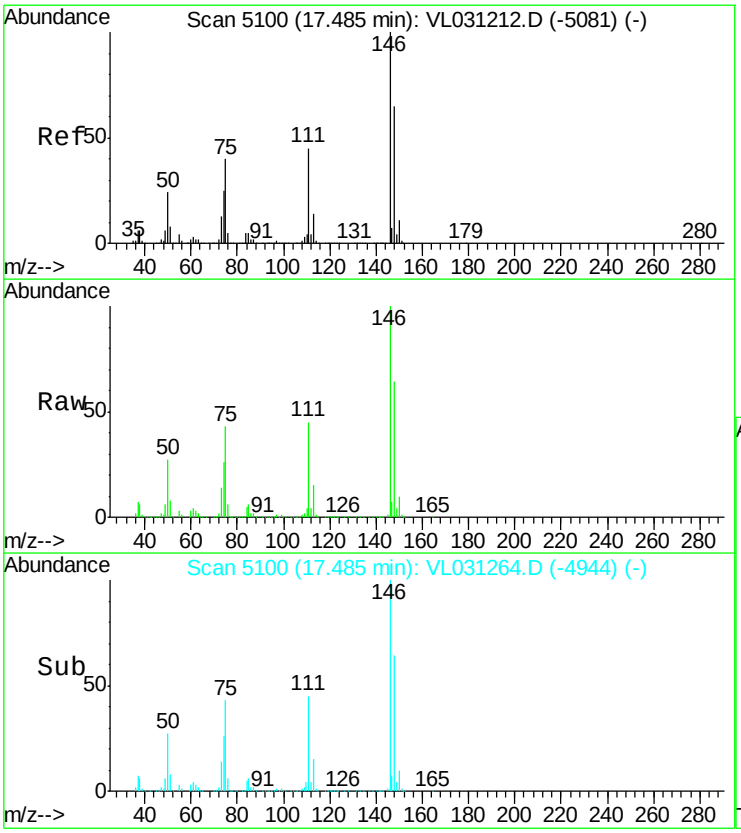
#75
1,3-Dichlorobenzene
Concen: 8.20 ppbv
RT: 17.34 min Scan# 5056
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 3217896

Ion	Ratio	Lower	Upper
146	100		
111	47.6	22.7	68.1
148	64.0	32.0	96.2

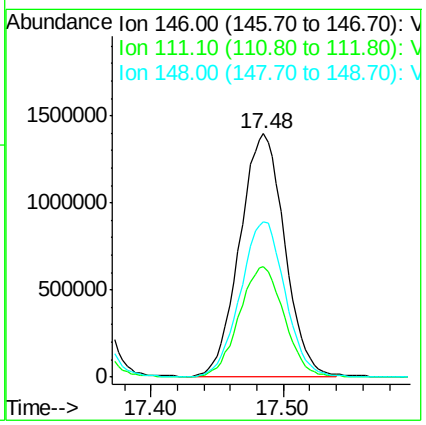


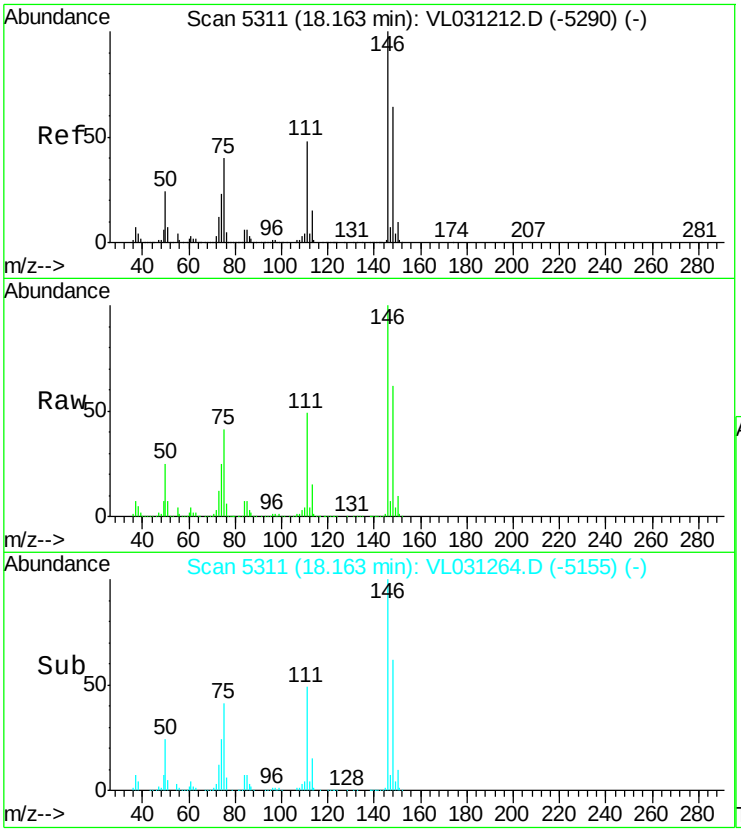


#76
1,4-Dichlorobenzene
Concen: 8.24 ppbv
RT: 17.48 min Scan# 5100
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:146 Resp: 3266961

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.1	66.1
148	64.5	32.0	96.0



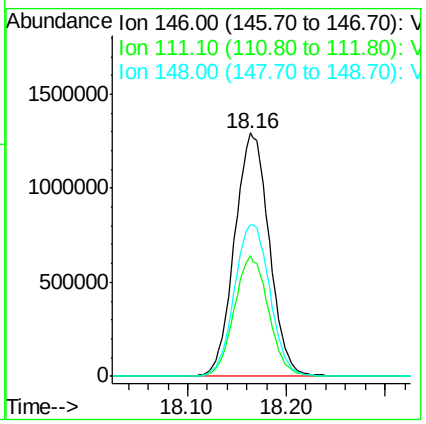


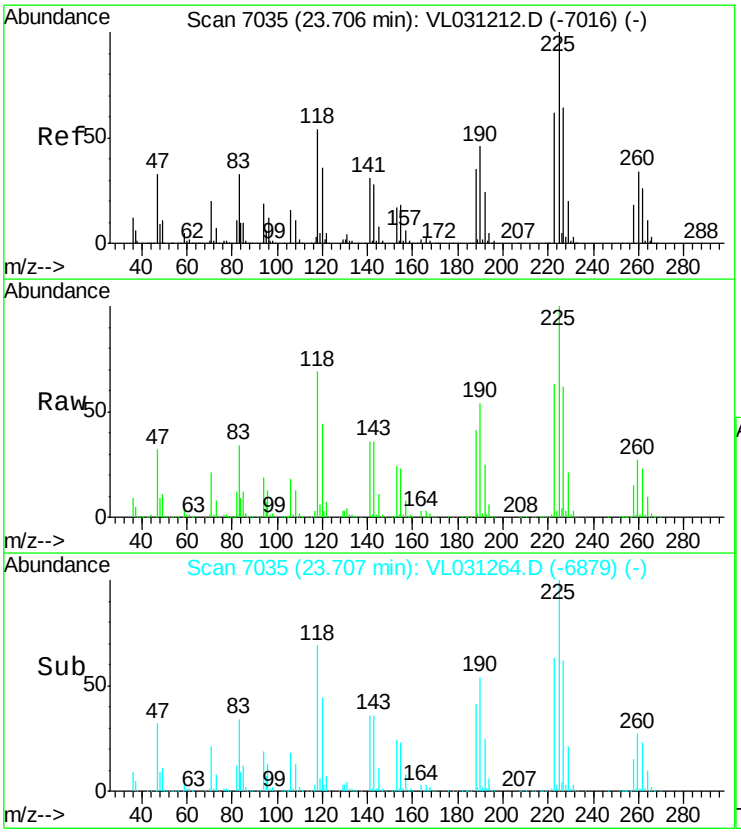
#77
1,2-Dichlorobenzene
Concen: 8.22 ppbv
RT: 18.16 min Scan# 5311
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 3152084

Ion	Ratio	Lower	Upper
146	100		
111	48.9	23.3	69.8
148	64.1	31.9	95.7

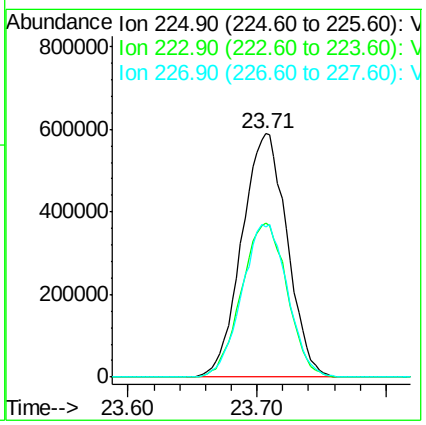


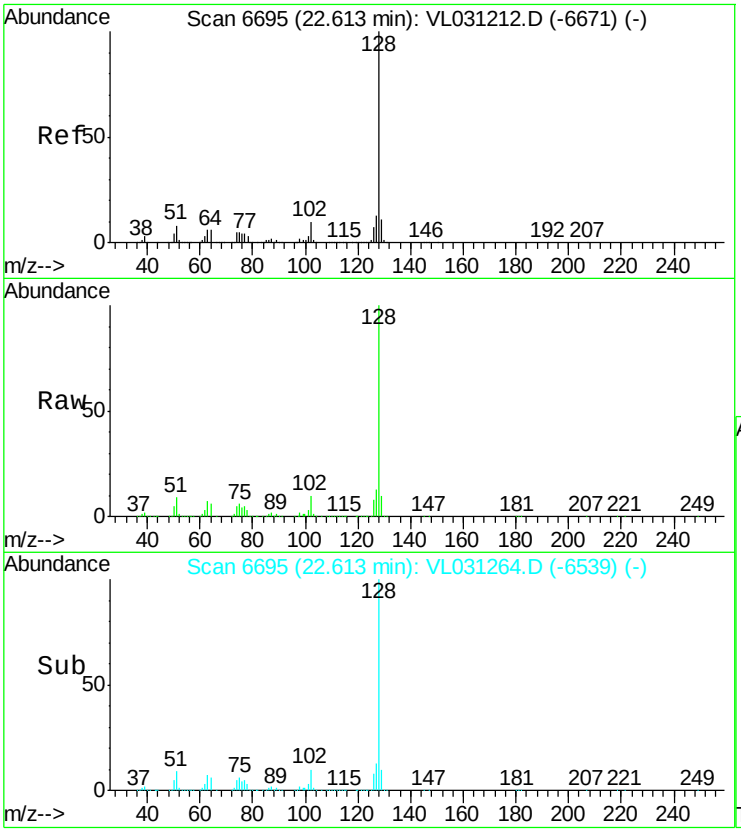


#78
Hexachloro-1,3-Butadiene
Concen: 16.39 ppbv
RT: 23.71 min Scan# 7035
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:225 Resp: 1443480

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.4	75.6
227	63.2	51.3	76.9



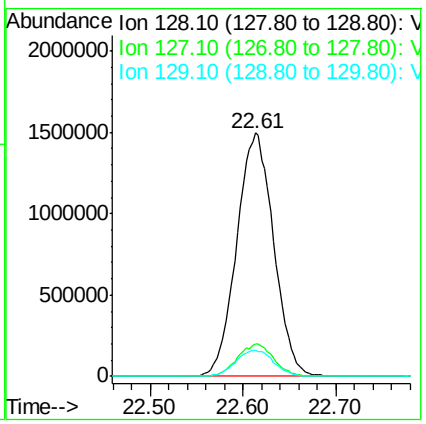


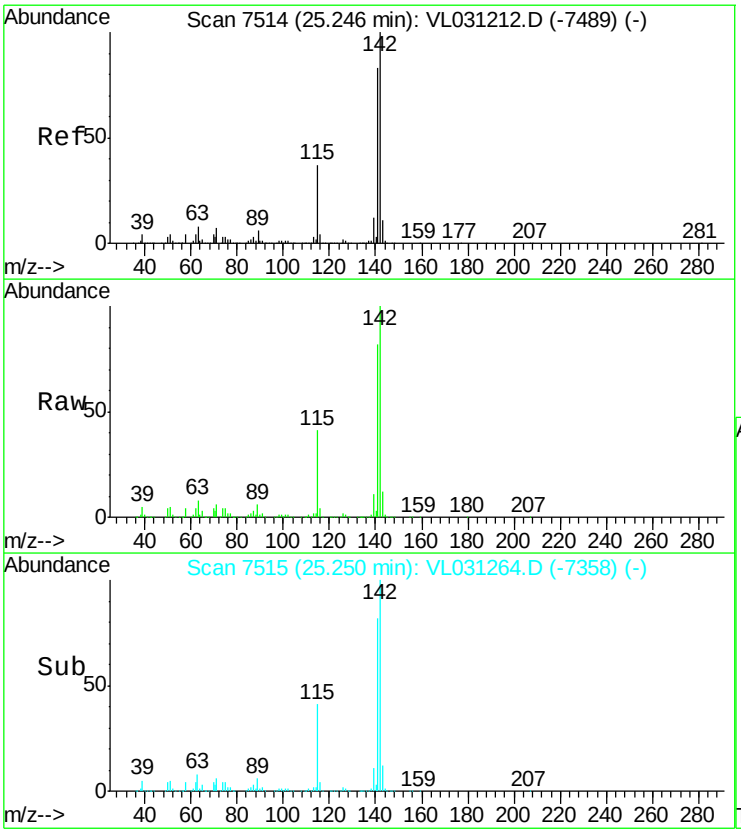
#79
Naphthalene
Concen: 8.24 ppbv
RT: 22.61 min Scan# 6695
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 4124621

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.5	8.9	13.3

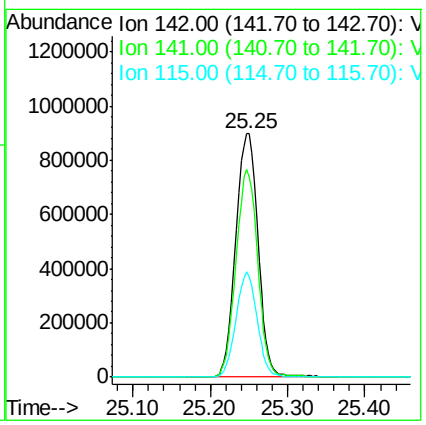


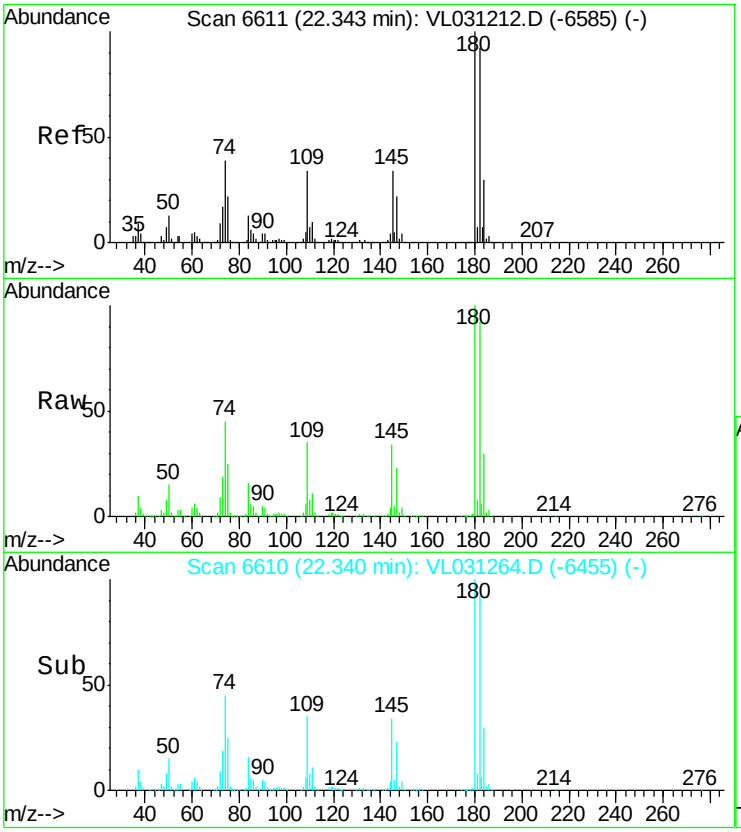


#80
Naphthalene,2-methyl-
Concen: 9.59 ppbv
RT: 25.25 min Scan# 7515
Delta R.T. 0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Tgt Ion:142 Resp: 1789276

Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.8	100.2
115	40.9	29.7	44.5





#81
1,2,4-Trichlorobenzene
Concen: 8.43 ppbv
RT: 22.34 min Scan# 6610
Delta R.T. -0.00 min
Lab File: VL031264.D
Acq: 20 Dec 2017 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1965968

Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
184	30.2	24.2	36.2