Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
Data File : VL032006.D
Acq On : 16 May 2018 18:20
Operator : SY/AP
Sample : VL0516ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Quant Time: May 17 09:04:56 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.88	49	1667006	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.42	114	2431503	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.38	117	3231650	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.71	95	2096935	8.37	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 83.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.15	85	1214671	5.52	ppbv		99
3) Chlorodifluoromethane	3.09	51	1116180	7.12	ppbv		98
4) Chloromethane	3.25	50	574569	6.95	ppbv		96
5) Vinyl Chloride	3.38	62	606242	6.50	ppbv		99
6) Bromomethane	3.60	94	445881	7.34	ppbv		91
7) Chloroethane	3.69	64	257235	7.25	ppbv		89
8) Dichlorotetrafluoroethane	3.30	85	1511749	6.89	ppbv		97
9) Propene	3.12	41	406153	7.07	ppbv		97
10) Heptane	8.37	43	1487135	7.52	ppbv		99
11) Trichlorofluoromethane	4.10	101	2224498	8.37	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1434619	7.66	ppbv		95
13) Ethanol	3.74	45	134252	6.25	ppbv	#	100
14) Bromoethene	3.88	108	503566	7.28	ppbv		99
15) Acetone	4.00	43	1313799	5.58	ppbv		97
16) 1,3-Butadiene	3.45	39	550048	7.26	ppbv		97
17) tert-Butyl alcohol	4.45	59	785948	8.06	ppbv		99
18) 1,1-Dichloroethene	4.45	96	649492	7.91	ppbv		98
19) Isopropyl Alcohol	4.12	45	1010969	7.93	ppbv		100
20) Methylene Chloride	4.51	84	619250	7.79	ppbv		98
21) Allyl Chloride	4.58	41	1025182	7.63	ppbv		97
22) trans-1,2-Dichloroethene	5.07	96	685312	7.52	ppbv		98
23) Vinyl Acetate	5.26	43	2030763	7.54	ppbv		99
24) 1,1-Dichloroethane	5.20	63	1797182	7.15	ppbv		99
25) Ethyl Acetate	5.88	43	3688299	9.12	ppbv		100
26) Hexane	5.90	57	1744537	9.17	ppbv		99
27) Carbon Disulfide	4.73	76	1805862	8.48	ppbv		100
28) Methyl tert-Butyl Ether	5.22	73	1720337	7.36	ppbv		99
29) Chloroform	5.97	83	2773588	9.22	ppbv		99
30) Cyclohexane	7.37	84	865341	6.83	ppbv		98
31) cis-1,2-Dichloroethene	5.76	61	1633221	9.39	ppbv		96
32) 1,1,1-Trichloroethane	6.74	97	1854245	6.68	ppbv		99
34) 2-Butanone	5.44	43	1852144	9.23	ppbv		100
35) Carbon Tetrachloride	7.26	117	1882915	9.77	ppbv		98
36) Benzene	7.13	78	2171538	9.48	ppbv		98
37) 1,2-Dichloroethane	6.53	62	1524076	9.26	ppbv		99
38) Trichloroethene	8.09	130	927308	10.66	ppbv		98
39) 1,2-Dichloropropane	7.86	63	797289	10.00	ppbv		95
40) 1,4-Dioxane	8.08	88	376588	10.48	ppbv		97
41) Tetrahydrofuran	6.27	42	801362	9.17	ppbv		99
42) Bromodichloromethane	8.05	83	1924537	10.49	ppbv		100
43) Methyl Methacrylate	8.27	69	844197	10.94	ppbv		98

Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
Data File : VL032006.D
Acq On : 16 May 2018 18:20
Operator : SY/AP
Sample : VL0516ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Quant Time: May 17 09:04:56 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.12	57	3795494	10.27	ppbv		100
45) t-1,3-Dichloropropene	9.55	75	1225010	11.98	ppbv		97
46) cis-1,3-Dichloropropene	8.97	75	1481089	11.73	ppbv		97
47) 1,1,2-Trichloroethane	9.75	97	956403	10.14	ppbv		97
48) Dibromochloromethane	10.59	129	1647391	10.89	ppbv		100
49) Bromoform	13.34	173	1284754	10.95	ppbv		100
50) 4-Methyl-2-Pentanone	9.00	43	2014193	10.63	ppbv		100
51) 2-Hexanone	10.40	43	1942136	11.26	ppbv	#	100
52) Tetrachloroethene	11.51	164	878829	10.36	ppbv		99
53) Toluene	10.08	91	2716180	11.00	ppbv		100
54) 1,2-Dibromoethane	10.90	107	1472353	10.47	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.42	131	1126631	7.65	ppbv	#	60
57) Chlorobenzene	12.44	112	2122498	7.62	ppbv		97
58) Ethyl Benzene	13.00	91	3782084	8.17	ppbv		99
59) m/p-Xylene	13.29	91	2934616	7.48	ppbv	#	23
60) o-Xylene	13.99	91	3179018	8.07	ppbv		100
61) Styrene	13.82	104	738668	9.25	ppbv		100
62) Isopropylbenzene	14.96	105	3937929	7.82	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.97	83	2047786	7.32	ppbv		99
64) n-propylbenzene	15.86	120	995593	7.88	ppbv		100
65) tert-Butylbenzene	17.04	119	3424999	7.62	ppbv		100
66) Benzyl Chloride	17.29	91	347077	8.51	ppbv		99
67) sec-Butylbenzene	17.59	105	4885184	7.83	ppbv		100
69) p-Isopropyltoluene	17.95	119	3997895	7.98	ppbv		99
70) n-Butylbenzene	18.85	91	4201178	8.10	ppbv		99
71) 2-Chlorotoluene	15.76	91	2952313	8.01	ppbv		100
72) 4-Ethyltoluene	16.13	105	3301079	8.25	ppbv		99
73) 1,3,5-Trimethylbenzene	16.29	105	2951979	7.98	ppbv		100
74) 1,2,4-Trimethylbenzene	17.06	105	3185070	7.78	ppbv		96
75) 1,3-Dichlorobenzene	17.30	146	1979338	7.84	ppbv		100
76) 1,4-Dichlorobenzene	17.44	146	2026424	8.11	ppbv		98
77) 1,2-Dichlorobenzene	18.12	146	1968514	7.75	ppbv		99
78) Hexachloro-1,3-Butadiene	23.67	225	560497	4.85	ppbv	#	18
79) Naphthalene	22.57	128	3549301	12.46	ppbv		100
80) Naphthalene,2-methyl-	25.22	142	1646547	24.24	ppbv		99
81) 1,2,4-Trichlorobenzene	22.29	180	970757	6.15	ppbv	#	27

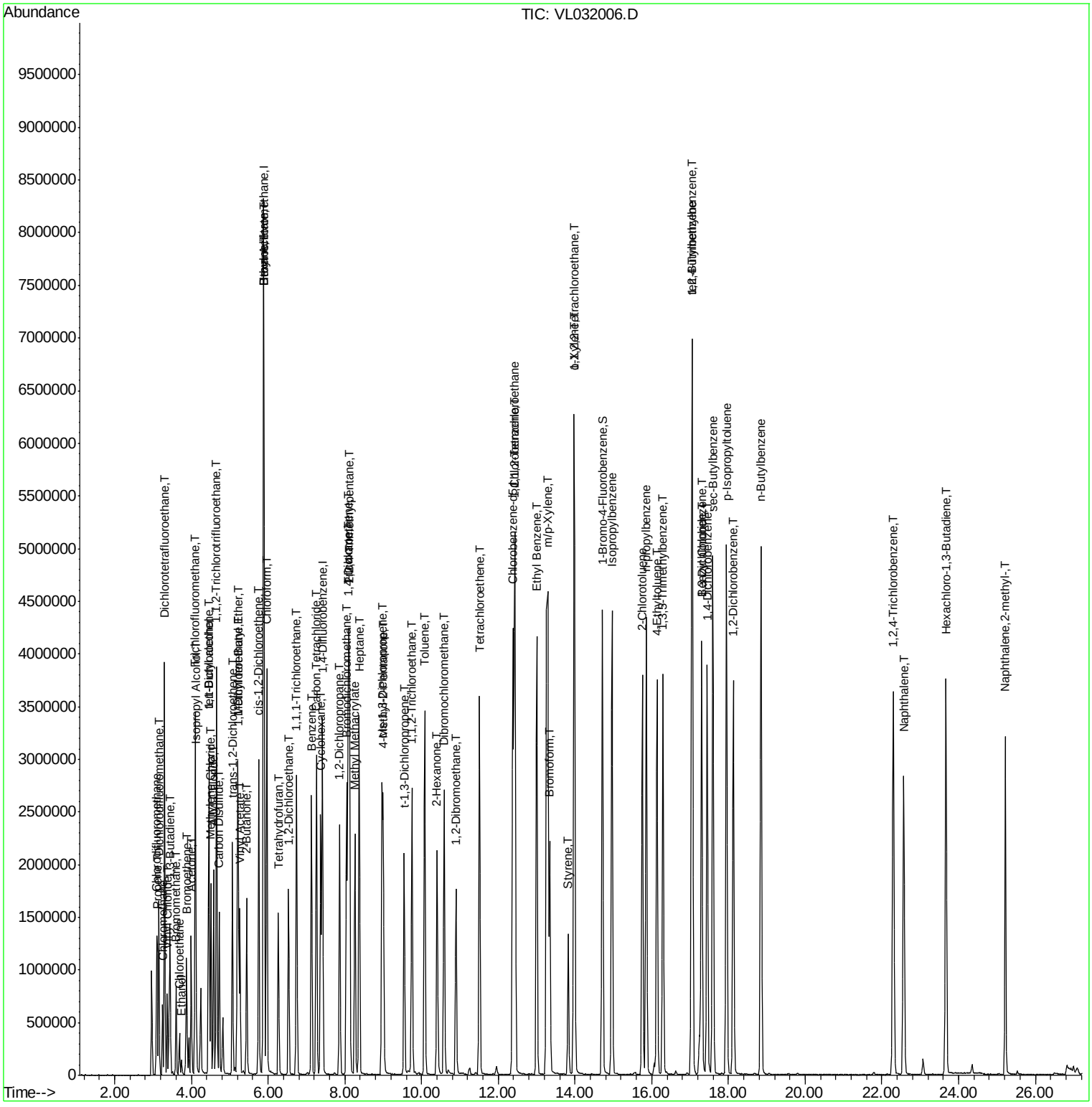
(#) = qualifier out of range (m) = manual integration (+) = signals summed

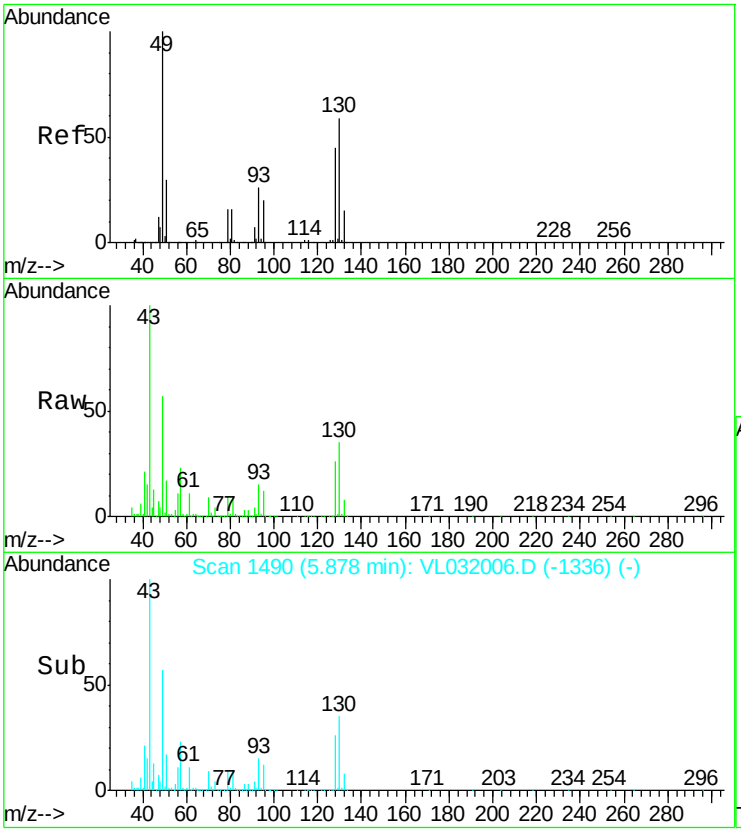
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
Data File : VL032006.D
Acq On : 16 May 2018 18:20
Operator : SY/AP
Sample : VL0516ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Quant Time: May 17 09:04:56 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration



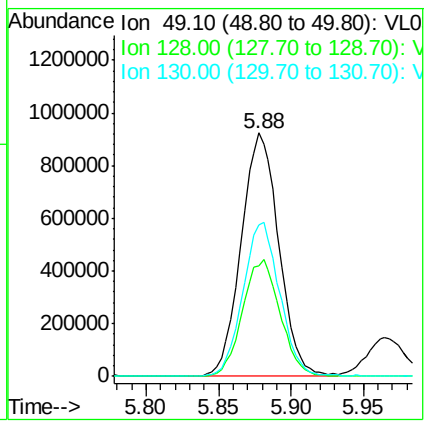


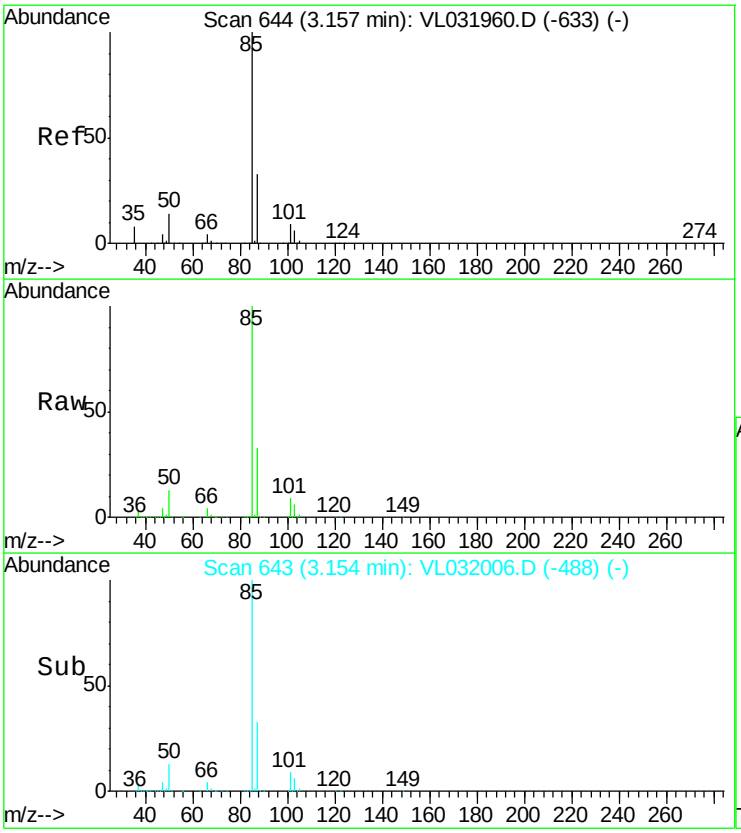
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 49 Resp: 1667006

Ion	Ratio	Lower	Upper
49	100		
128	48.1	24.1	72.3
130	62.4	30.7	92.1

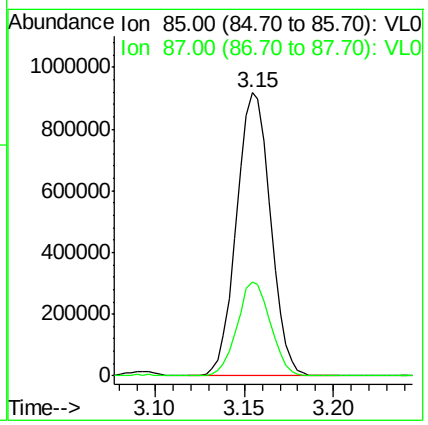


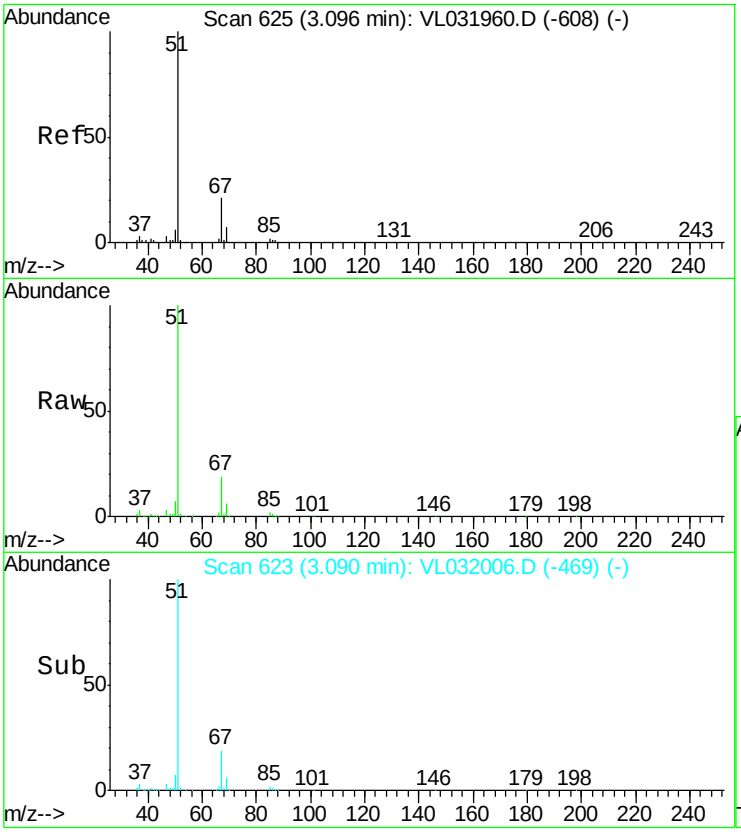


#2
Dichlorodifluoromethane
Concen: 5.52 ppbv
RT: 3.15 min Scan# 643
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 85 Resp: 1214671

Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.8	40.2

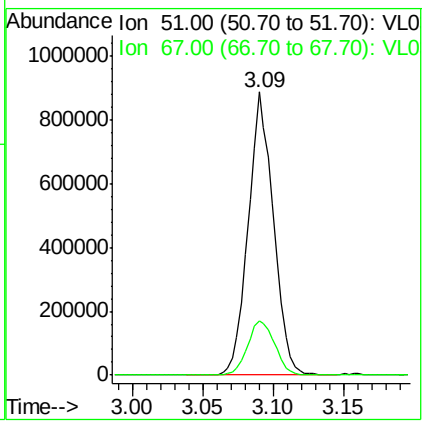




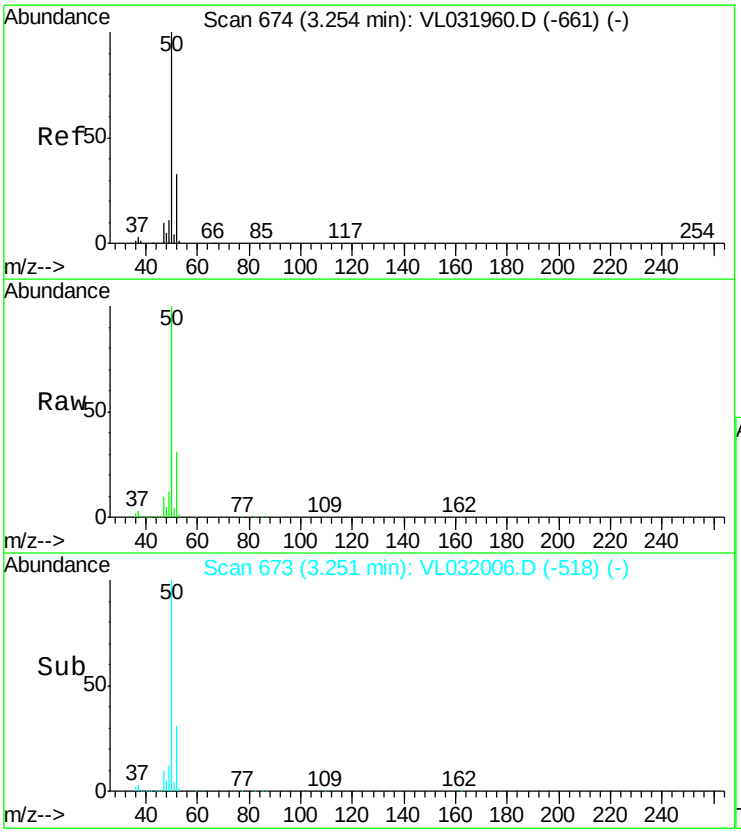
#3
Chlorodifluoromethane
Concen: 7.12 ppbv
RT: 3.09 min Scan# 623
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 51 Resp: 1116180

Ion	Ratio	Lower	Upper
51	100		
67	20.7	15.9	23.9



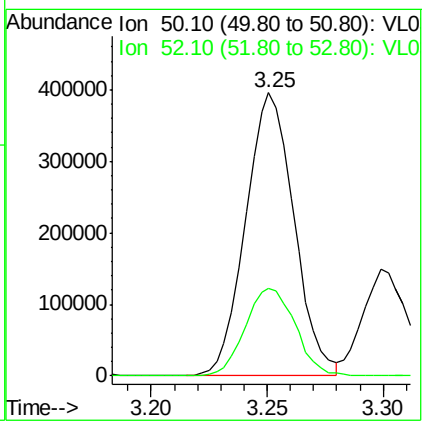
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

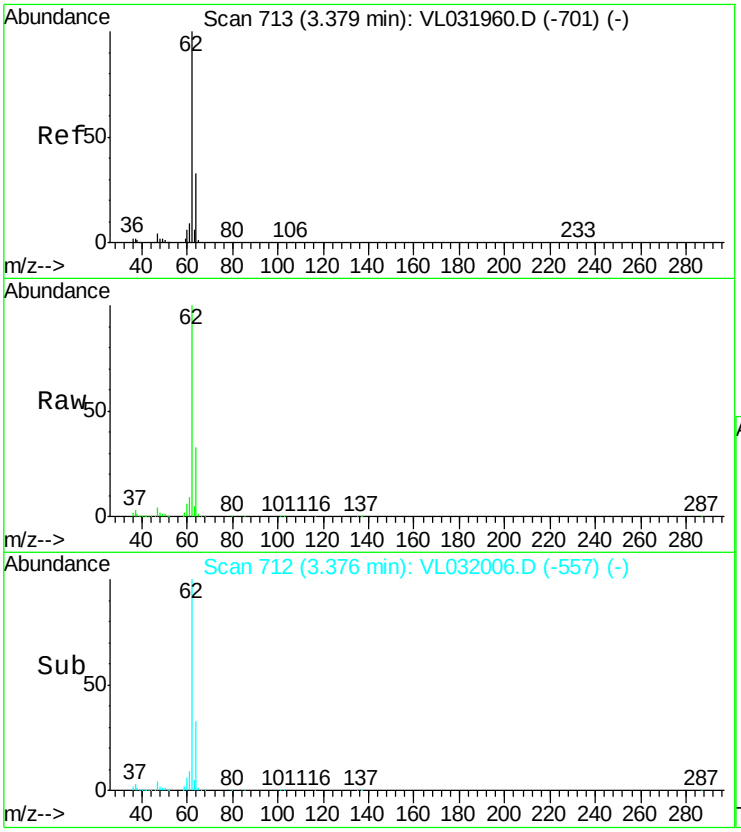


#4
Chloromethane
Concen: 6.95 ppbv
RT: 3.25 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 50 Resp: 574569

Ion	Ratio	Lower	Upper
50	100		
52	31.1	26.6	39.8



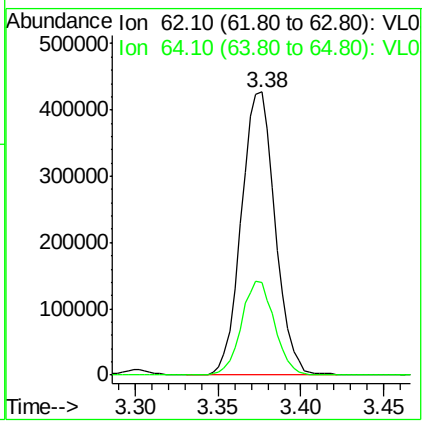


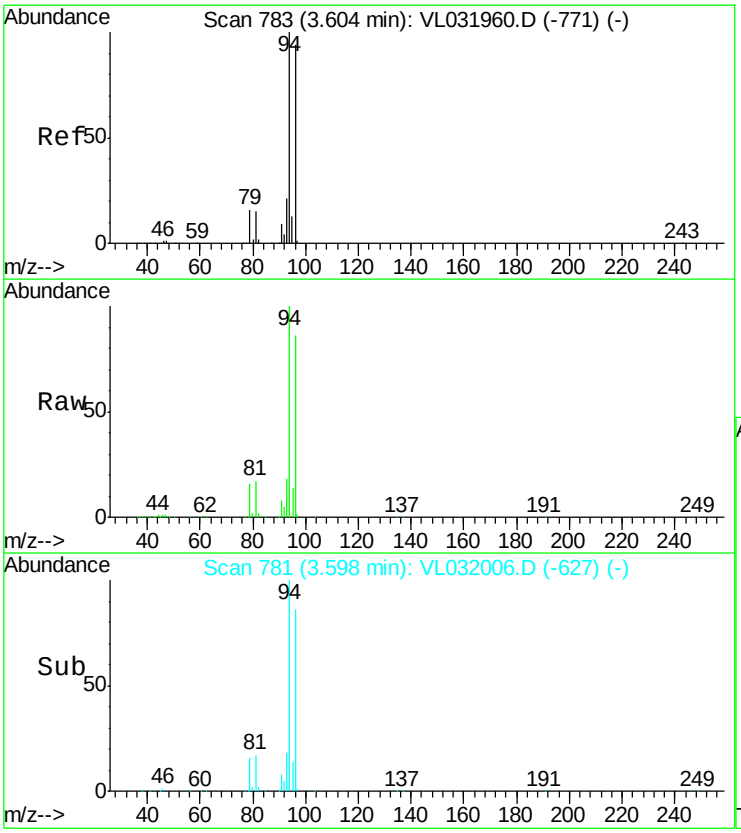
#5
Vinyl Chloride
Concen: 6.50 ppbv
RT: 3.38 min Scan# 712
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 62 Resp: 606242

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.6	39.8

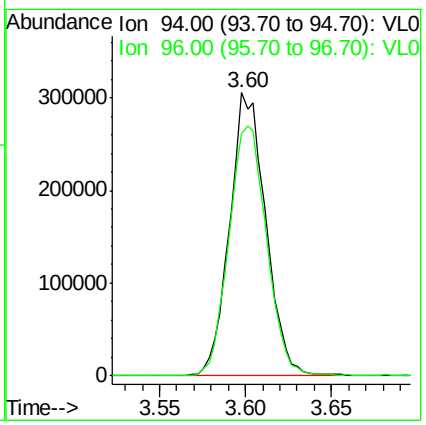


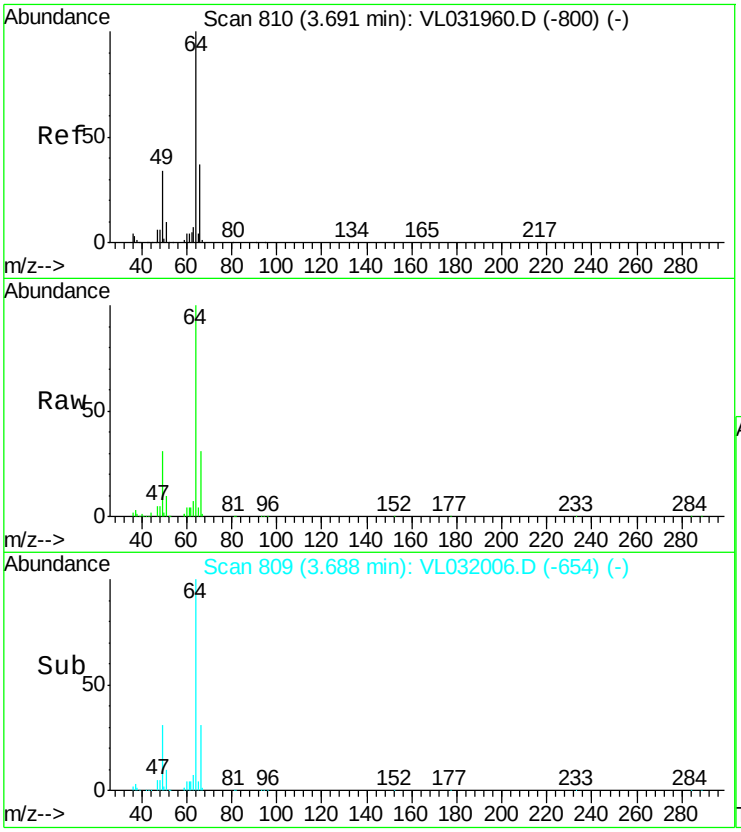


#6
Bromomethane
Concen: 7.34 ppbv
RT: 3.60 min Scan# 781
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 94 Resp: 445881

Ion	Ratio	Lower	Upper
94	100		
96	85.5	75.5	113.3



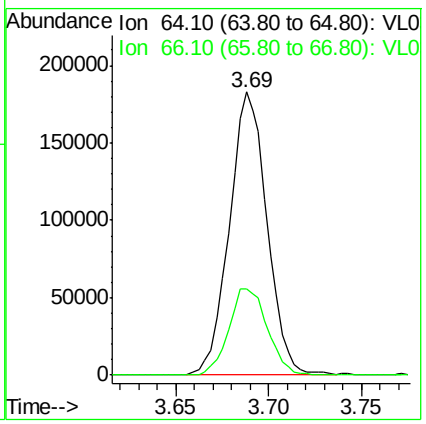


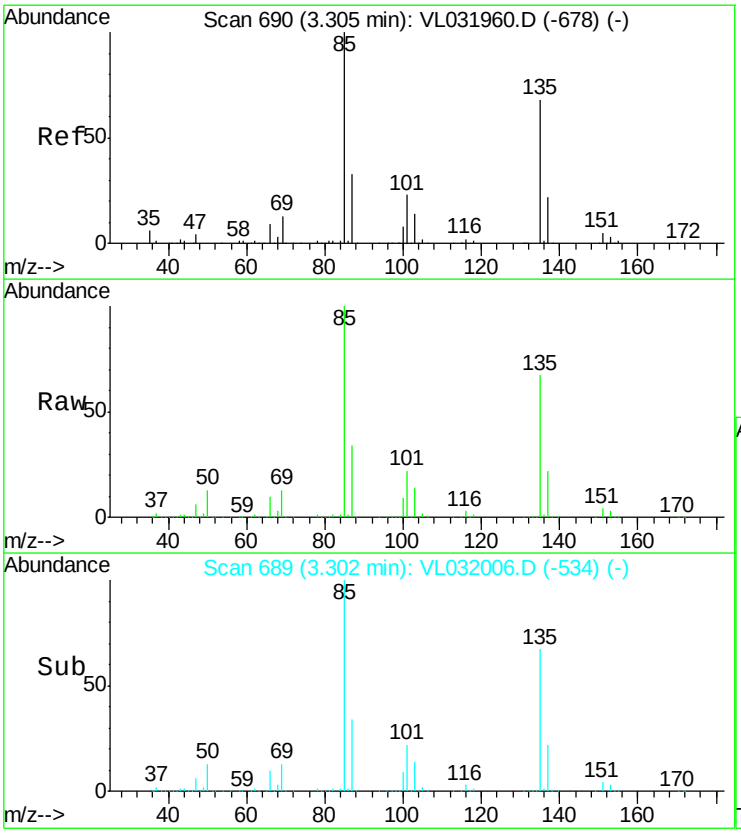
#7
Chloroethane
Concen: 7.25 ppbv
RT: 3.69 min Scan# 809
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 64 Resp: 257235

Ion	Ratio	Lower	Upper
64	100		
66	30.7	29.6	44.4

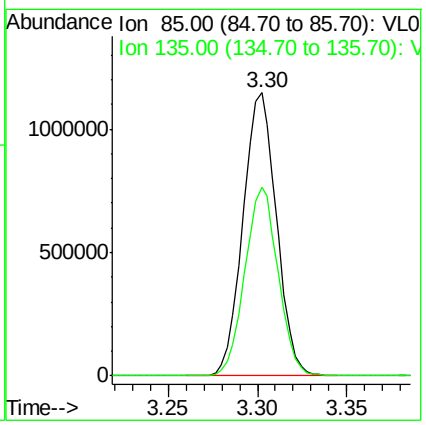


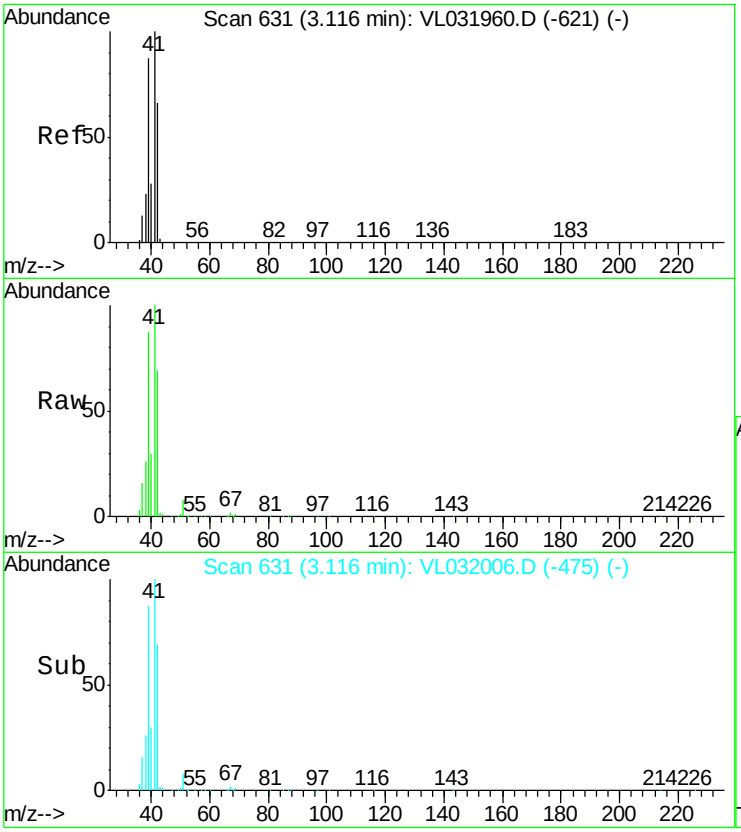


#8
Dichlorotetrafluoroethane
Concen: 6.89 ppbv
RT: 3.30 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 85 Resp: 1511749

Ion	Ratio	Lower	Upper
85	100		
135	66.4	54.8	82.2



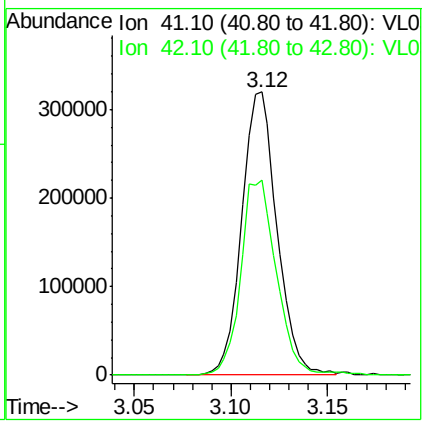


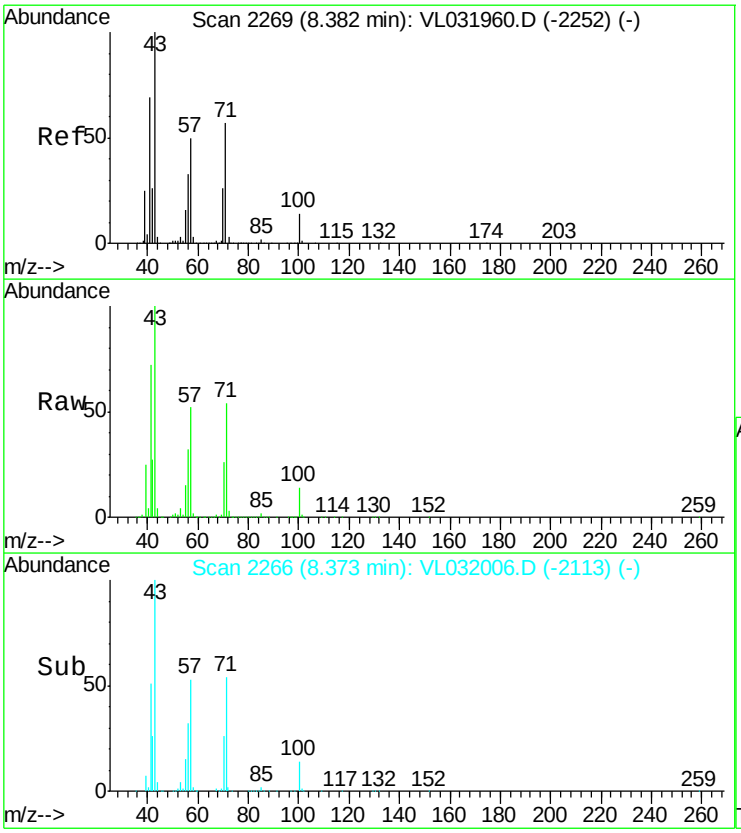
#9
Propene
Concen: 7.07 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 41 Resp: 406153

Ion	Ratio	Lower	Upper
41	100		
42	70.1	53.9	80.9

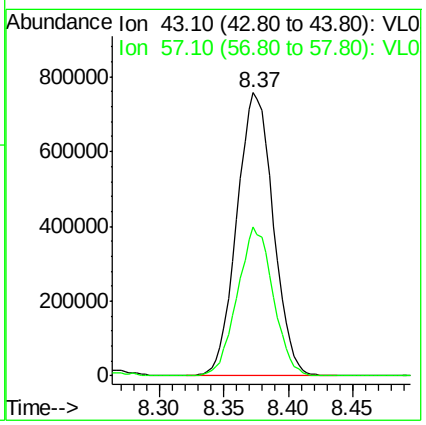


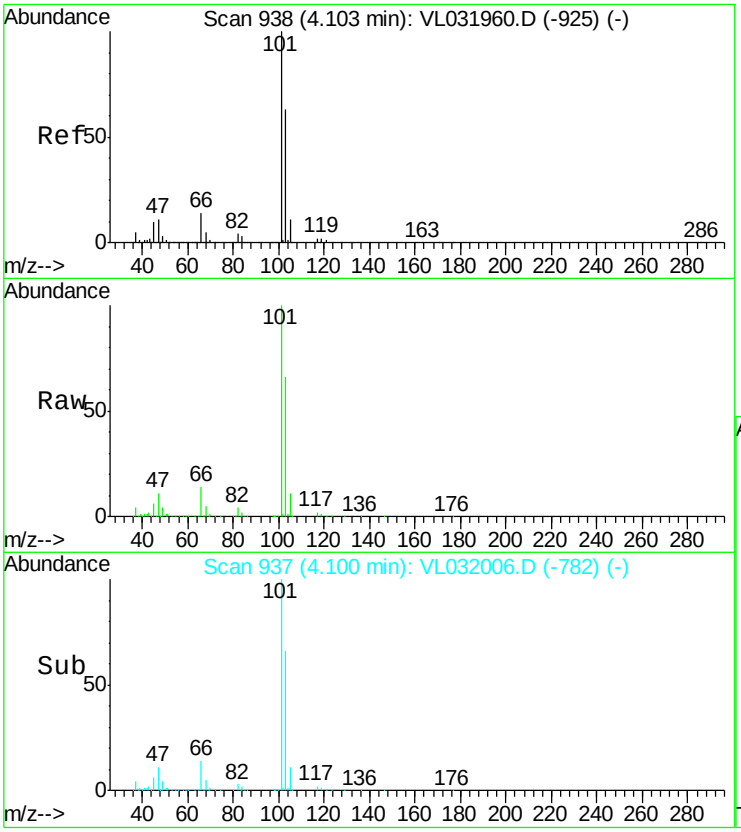


#10
Heptane
Concen: 7.52 ppbv
RT: 8.37 min Scan# 2266
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 43 Resp: 1487135

Ion	Ratio	Lower	Upper
43	100		
57	51.5	40.7	61.1



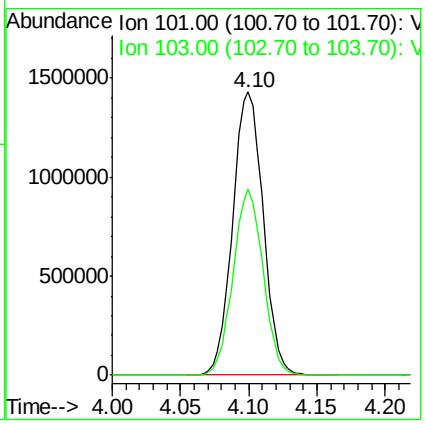


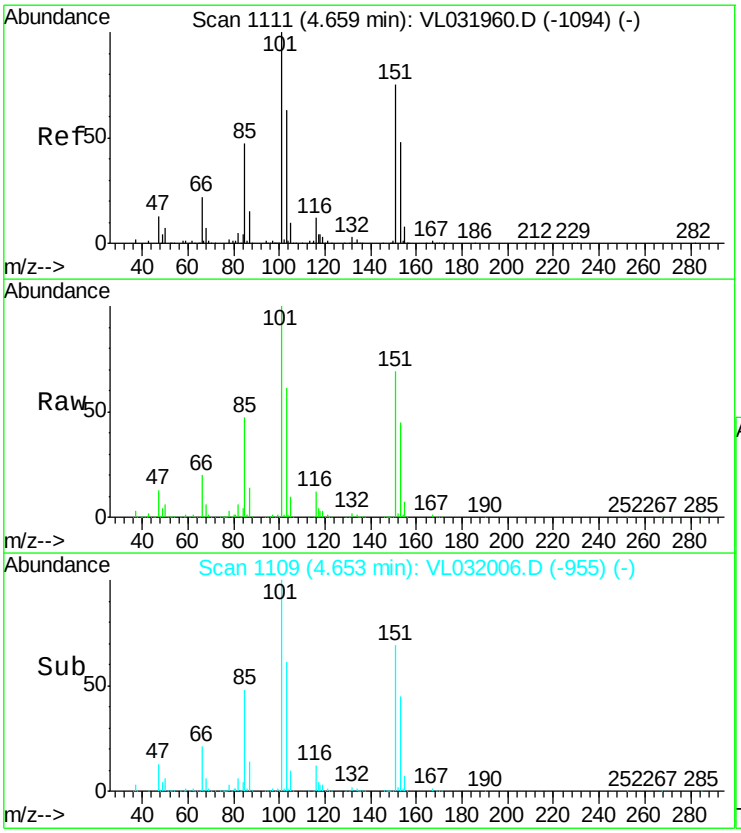
#11
Trichlorofluoromethane
Concen: 8.37 ppbv
RT: 4.10 min Scan# 937
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:101 Resp: 2224498

Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1

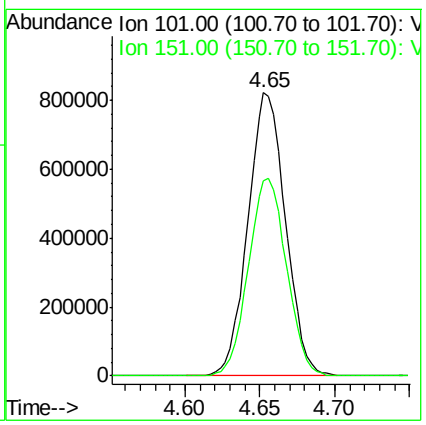


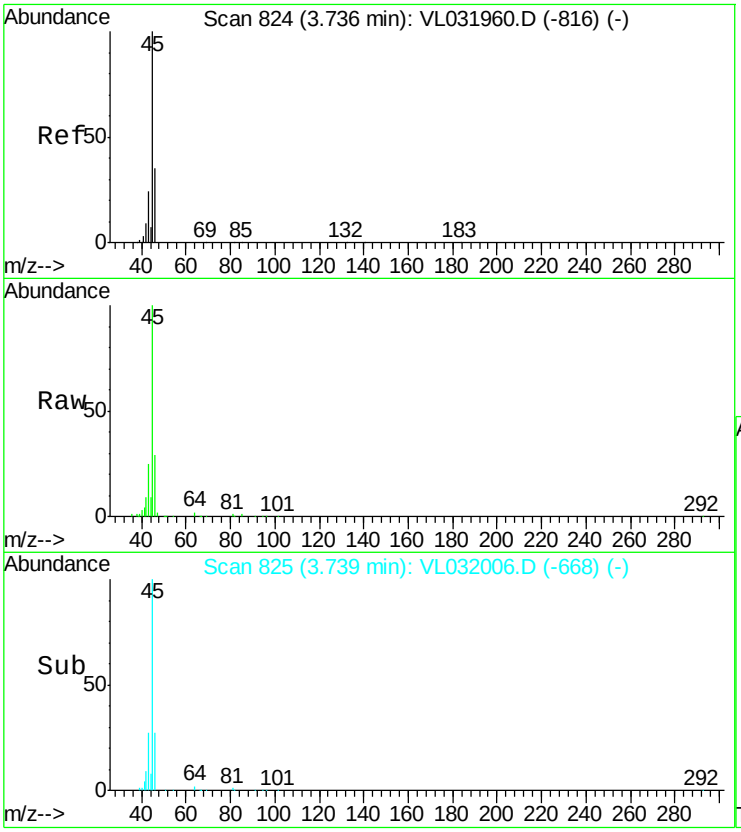


#12
1,1,2-Trichlorotrifluoroethane
Concen: 7.66 ppbv
RT: 4.65 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:101 Resp: 1434619

Ion	Ratio	Lower	Upper
101	100		
151	71.1	60.2	90.2



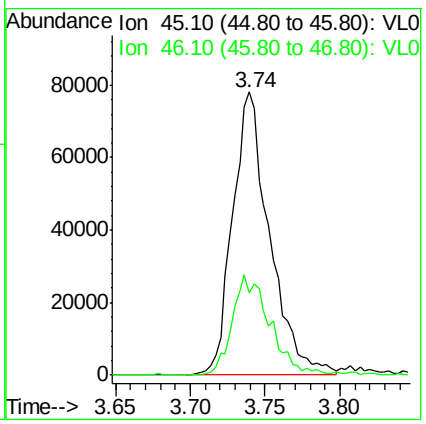


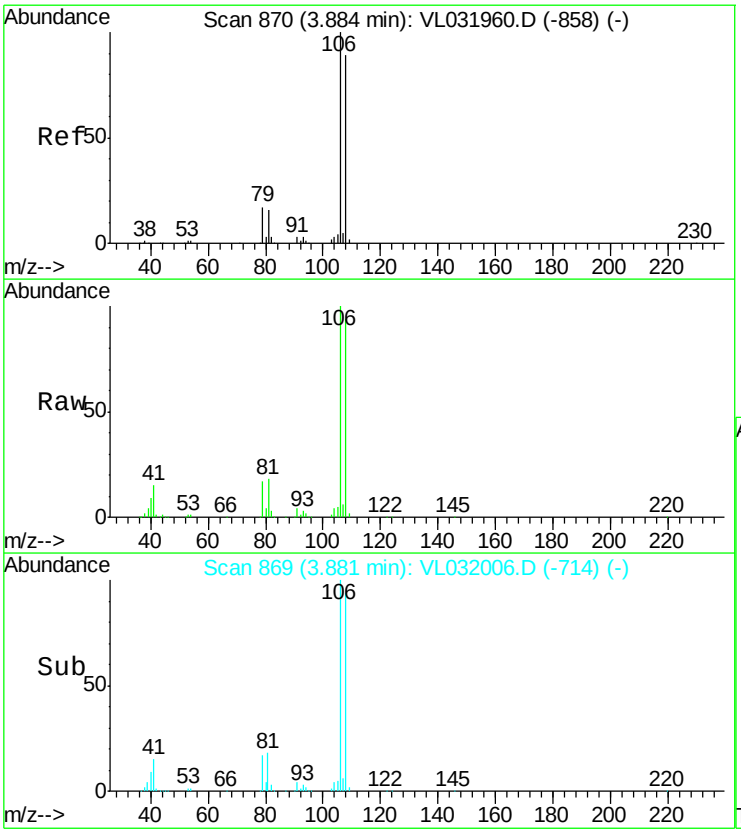
#13
Ethanol
Concen: 6.25 ppbv
RT: 3.74 min Scan# 825
Delta R.T. 0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 45 Resp: 134252

Ion	Ratio	Lower	Upper
45	100		
46	37.0	0.0	0.0#

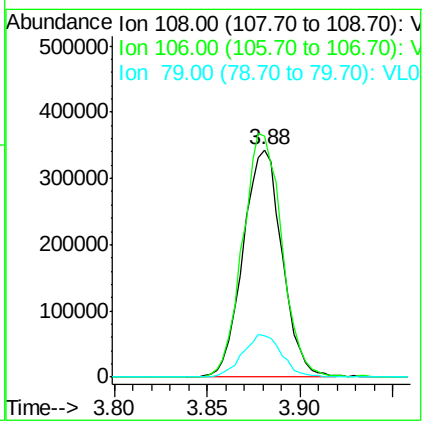


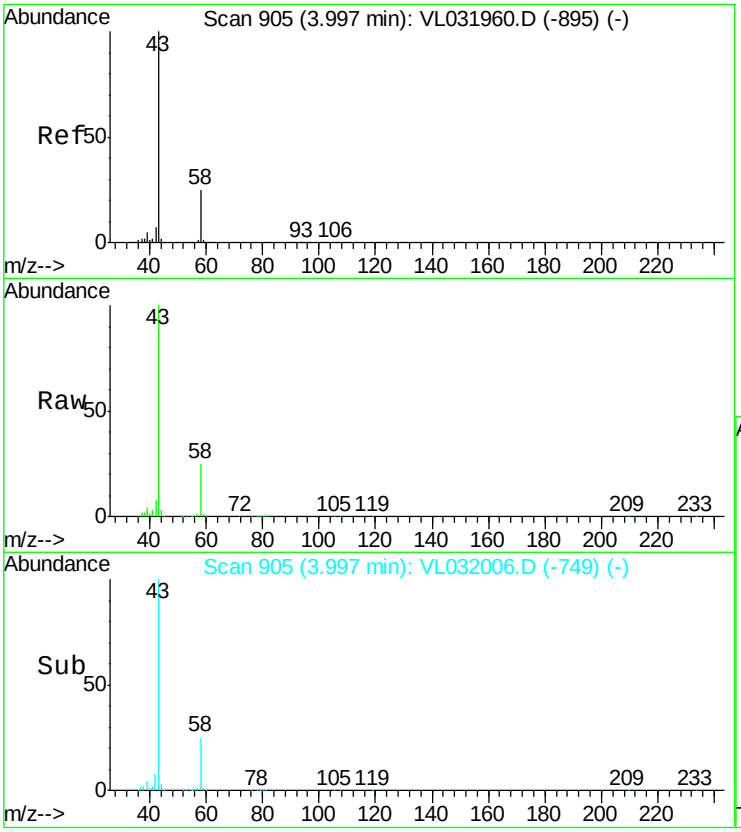


#14
Bromoethene
Concen: 7.28 ppbv
RT: 3.88 min Scan# 869
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:108 Resp: 503566

Ion	Ratio	Lower	Upper
108	100		
106	108.0	86.8	130.2
79	19.0	14.7	22.1



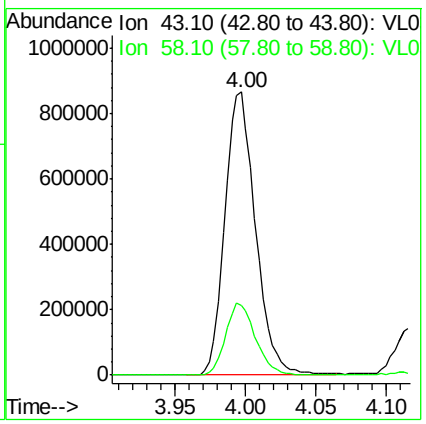


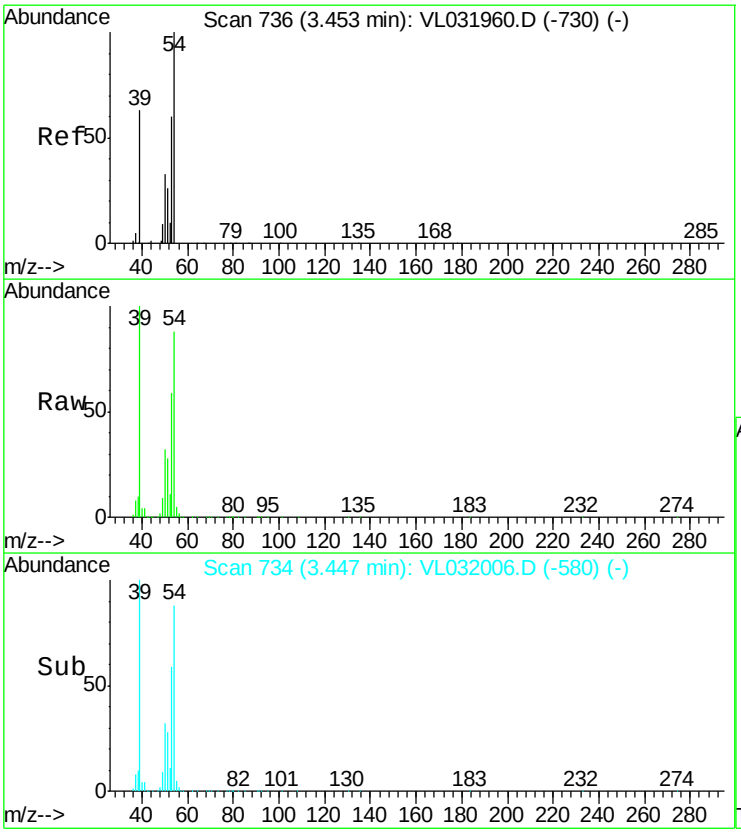
#15
Acetone
Concen: 5.58 ppbv
RT: 4.00 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 43 Resp: 1313799

Ion	Ratio	Lower	Upper
43	100		
58	24.9	21.1	31.7

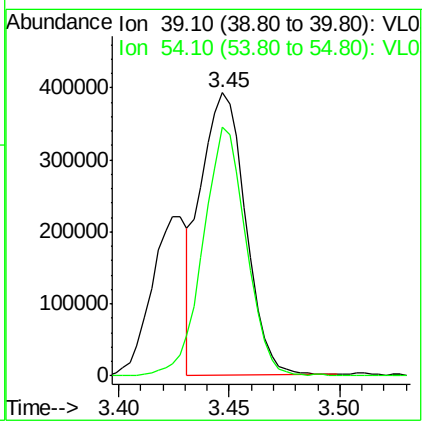


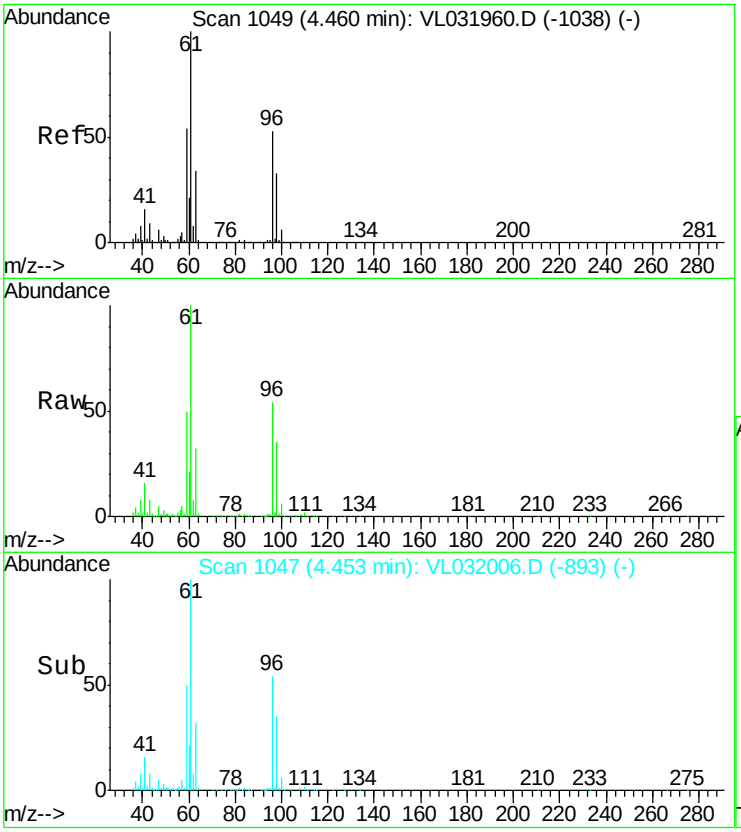


#16
1,3-Butadiene
Concen: 7.26 ppbv
RT: 3.45 min Scan# 734
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 39 Resp: 550048

Ion	Ratio	Lower	Upper
39	100		
54	85.2	66.2	99.2



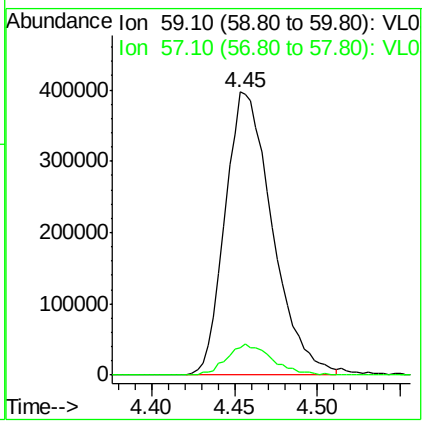


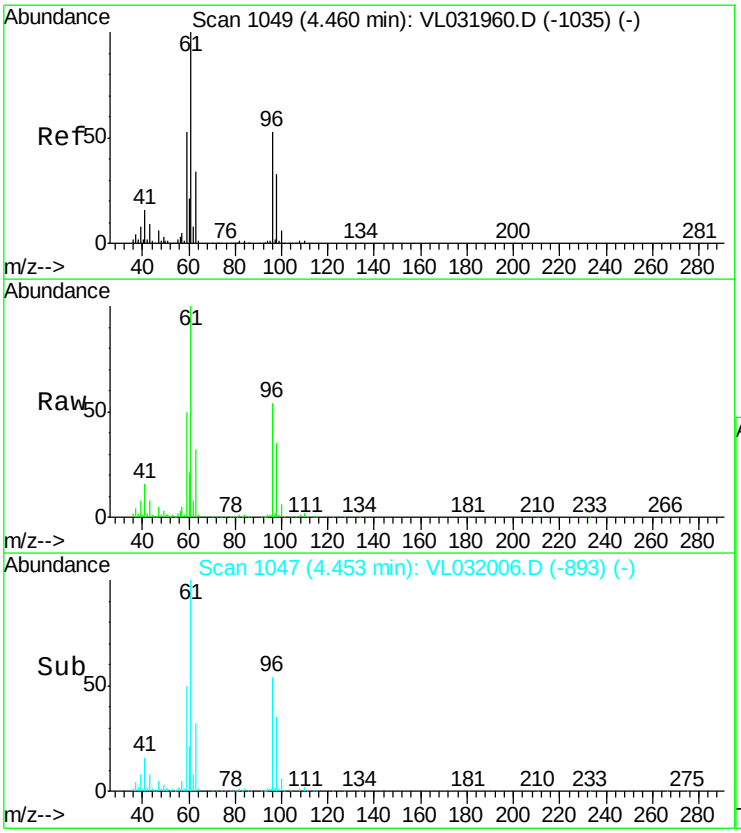
#17
tert-Butyl alcohol
Concen: 8.06 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 59 Resp: 785948

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

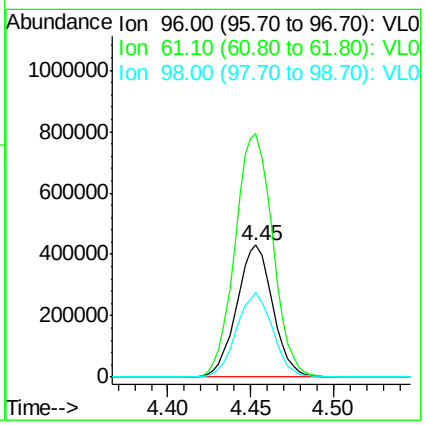


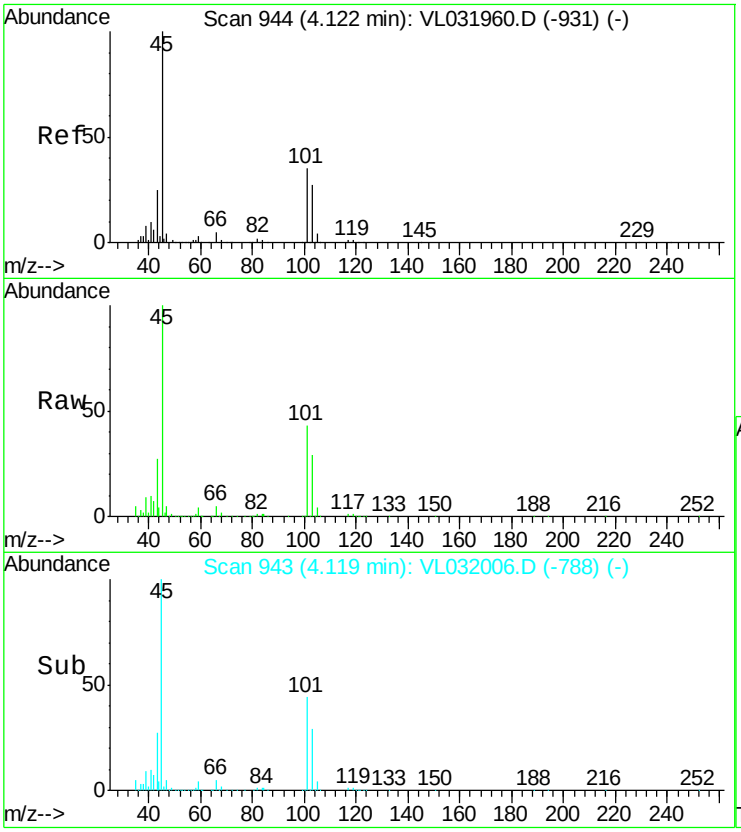


#18
1,1-Dichloroethene
Concen: 7.91 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 96 Resp: 649492

Ion	Ratio	Lower	Upper
96	100		
61	184.6	149.9	224.9
98	64.1	49.7	74.5



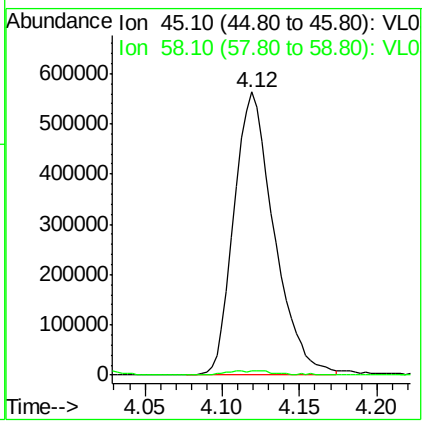


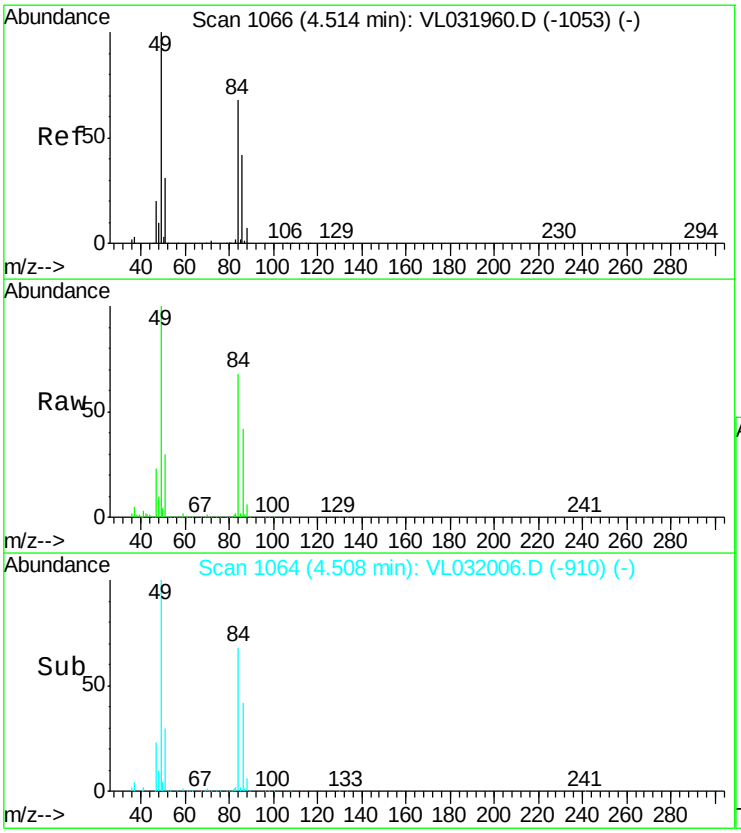
#19
Isopropyl Alcohol
Concen: 7.93 ppbv
RT: 4.12 min Scan# 943
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 45 Resp: 1010969

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.4	2.2

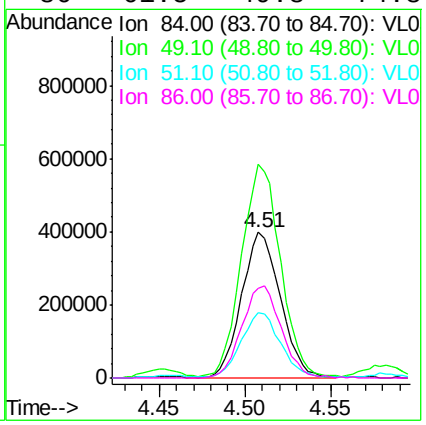


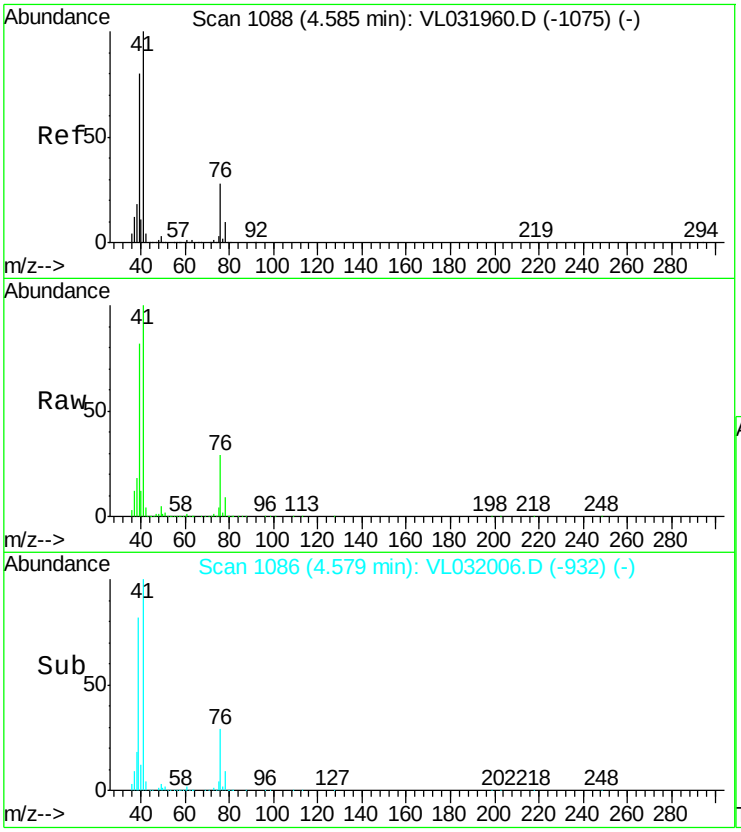


#20
Methylene Chloride
Concen: 7.79 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 84 Resp: 619250

Ion	Ratio	Lower	Upper
84	100		
49	145.2	118.6	178.0
51	43.9	36.6	54.8
86	61.5	49.8	74.8



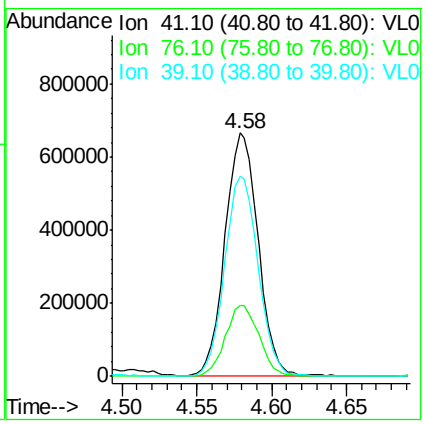


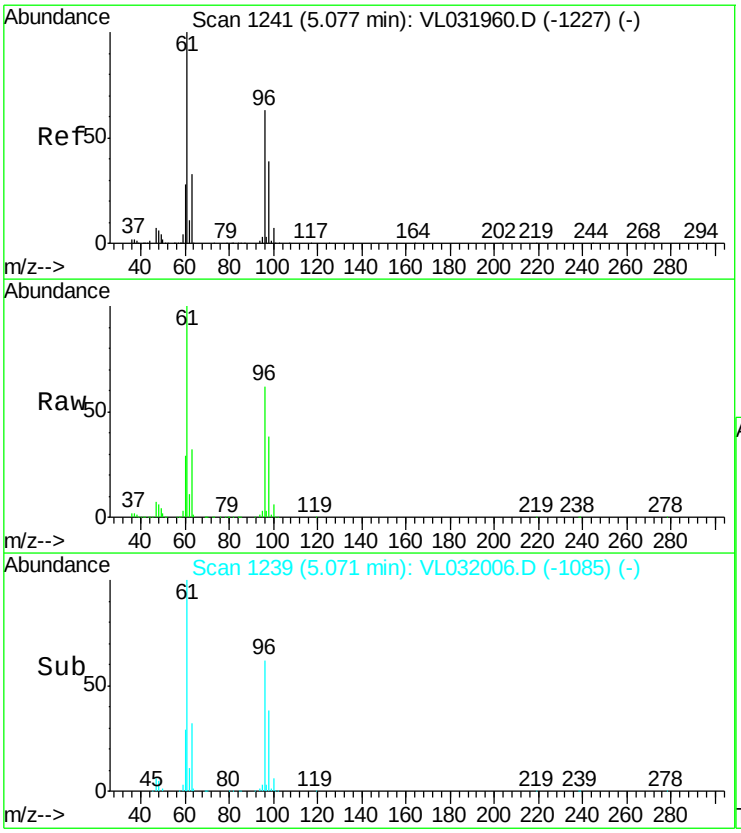
#21
Allyl Chloride
Concen: 7.63 ppbv
RT: 4.58 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 41 Resp: 1025182

Ion	Ratio	Lower	Upper
41	100		
76	29.8	23.4	35.0
39	83.5	64.5	96.7

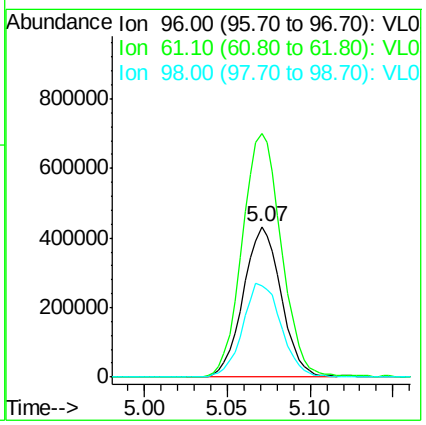


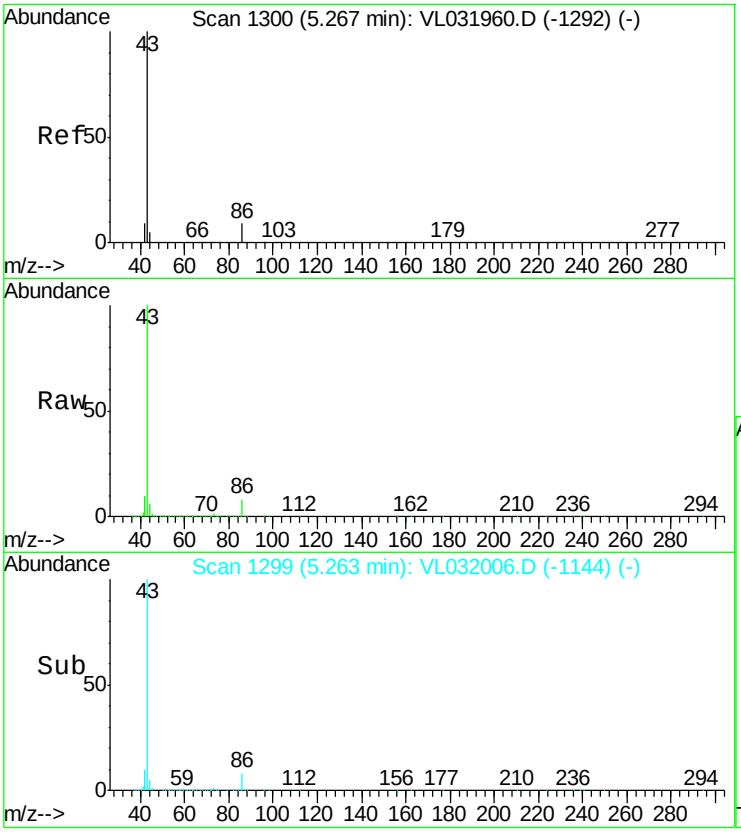


#22
trans-1,2-Dichloroethene
Concen: 7.52 ppbv
RT: 5.07 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 96 Resp: 685312

Ion	Ratio	Lower	Upper
96	100		
61	161.9	127.7	191.5
98	60.8	49.3	73.9



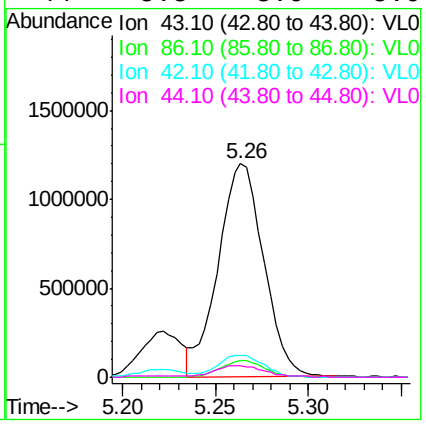


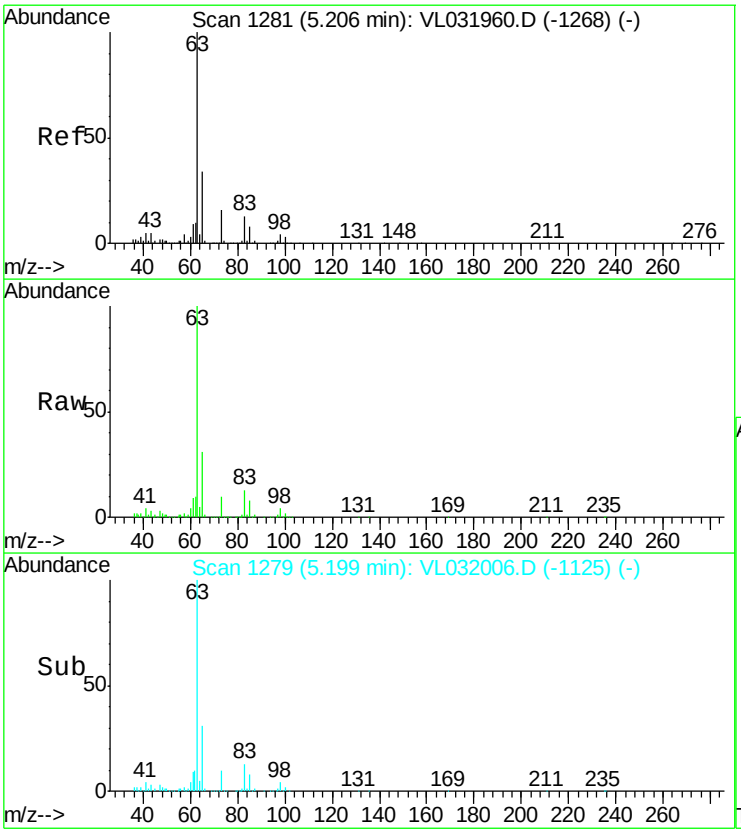
#23
Vinyl Acetate
Concen: 7.54 ppbv
RT: 5.26 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 43 Resp: 2030763

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.1	9.1
42	10.2	8.0	12.0
44	5.5	3.9	5.9

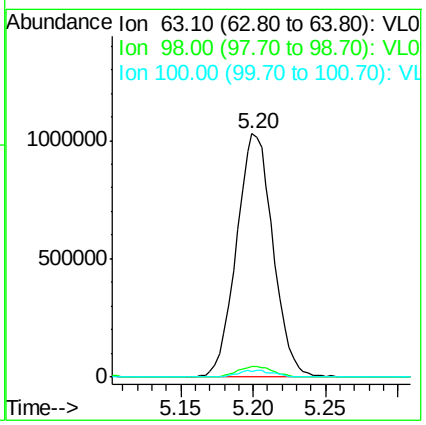


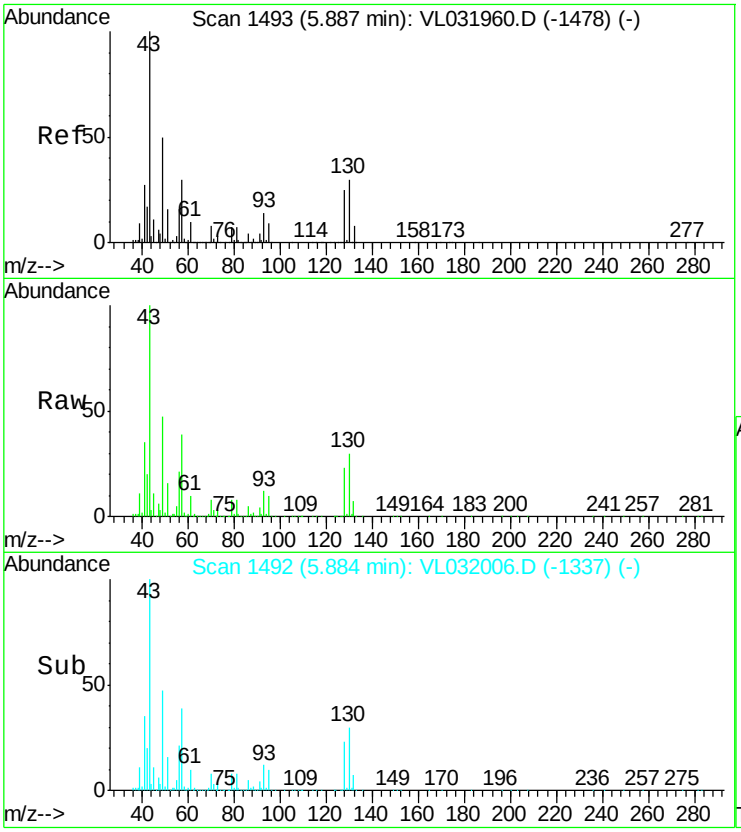


#24
1,1-Dichloroethane
Concen: 7.15 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 63 Resp: 1797182

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.3	1.5	4.5



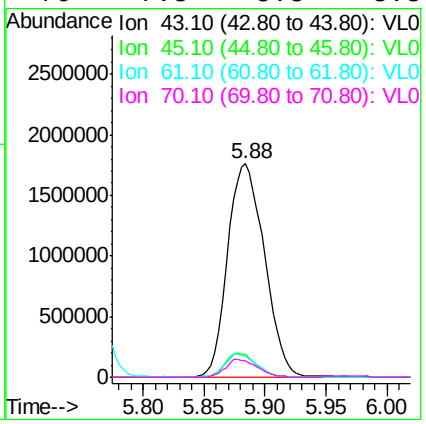


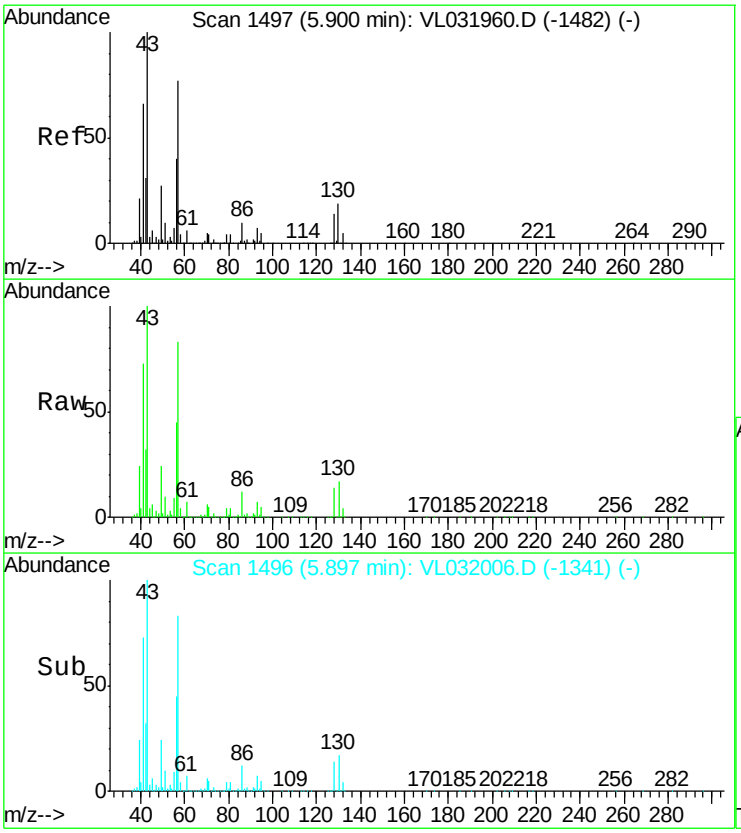
#25
Ethyl Acetate
Concen: 9.12 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 43 Resp: 3688299

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.6
61	9.5	7.4	11.2
70	7.3	5.8	8.8

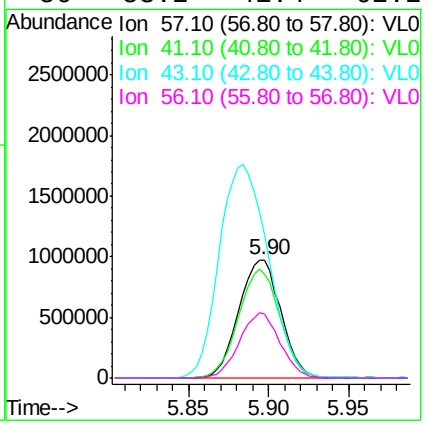


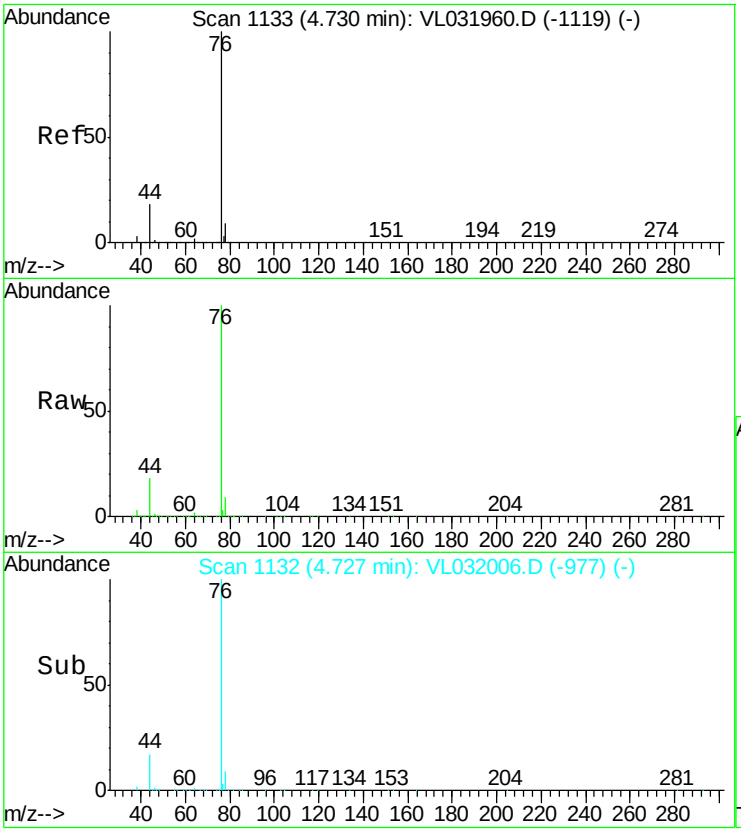


#26
Hexane
Concen: 9.17 ppbv
RT: 5.90 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 57 Resp: 1744537

Ion	Ratio	Lower	Upper
57	100		
41	91.0	71.8	107.6
43	212.3	171.5	257.3
56	53.2	41.4	62.2



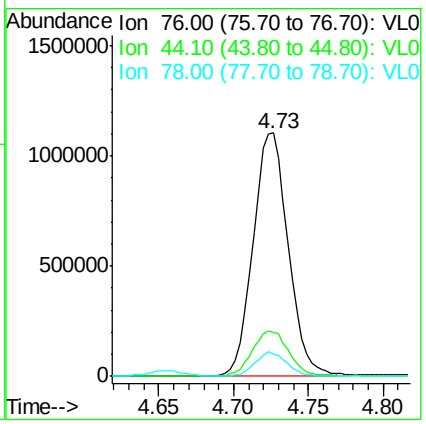


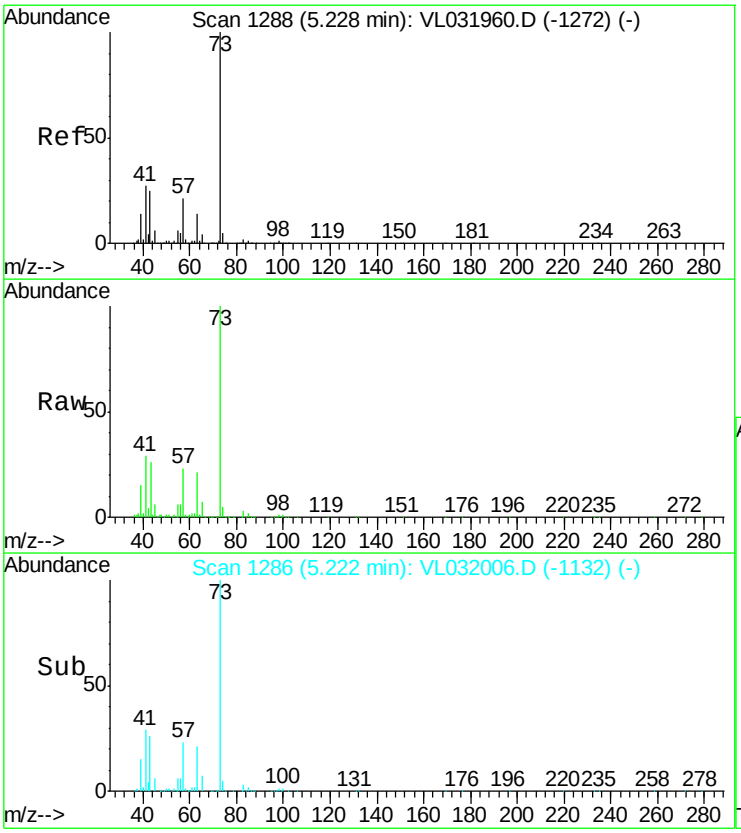
#27
Carbon Disulfide
Concen: 8.48 ppbv
RT: 4.73 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 76 Resp: 1805862

Ion	Ratio	Lower	Upper
76	100		
44	19.1	15.4	23.0
78	9.2	7.4	11.0

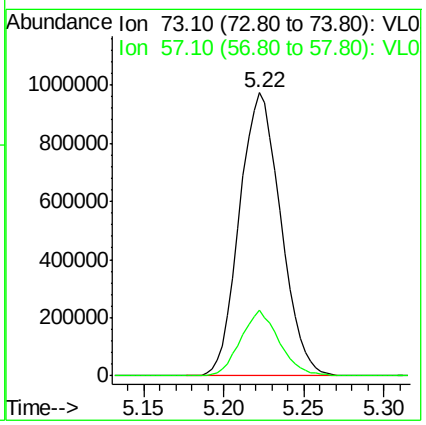


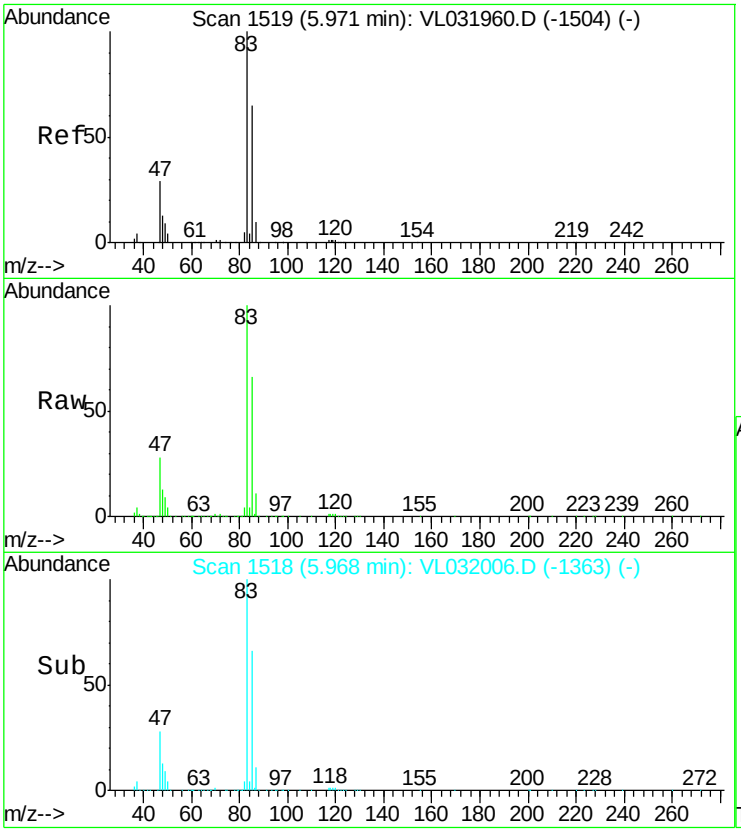


#28
Methyl tert-Butyl Ether
Concen: 7.36 ppbv
RT: 5.22 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 73 Resp: 1720337

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.6	26.4



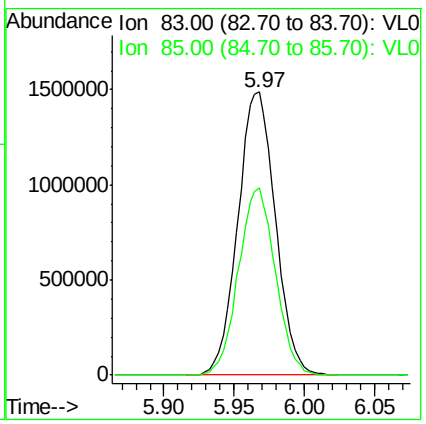


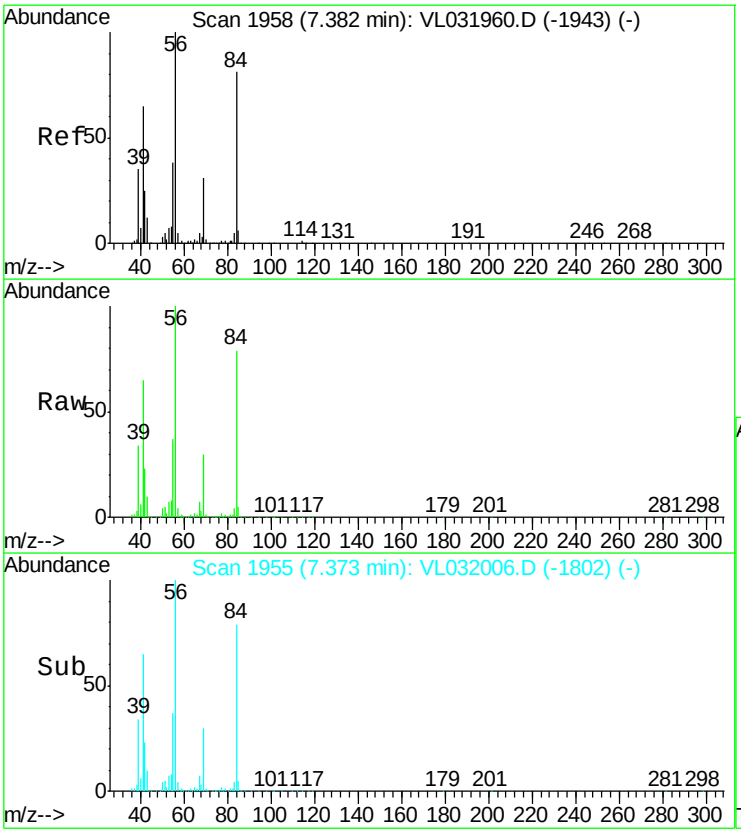
#29
Chloroform
Concen: 9.22 ppbv
RT: 5.97 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 83 Resp: 2773588

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.2

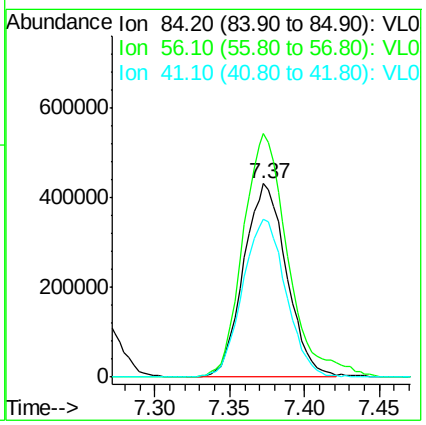


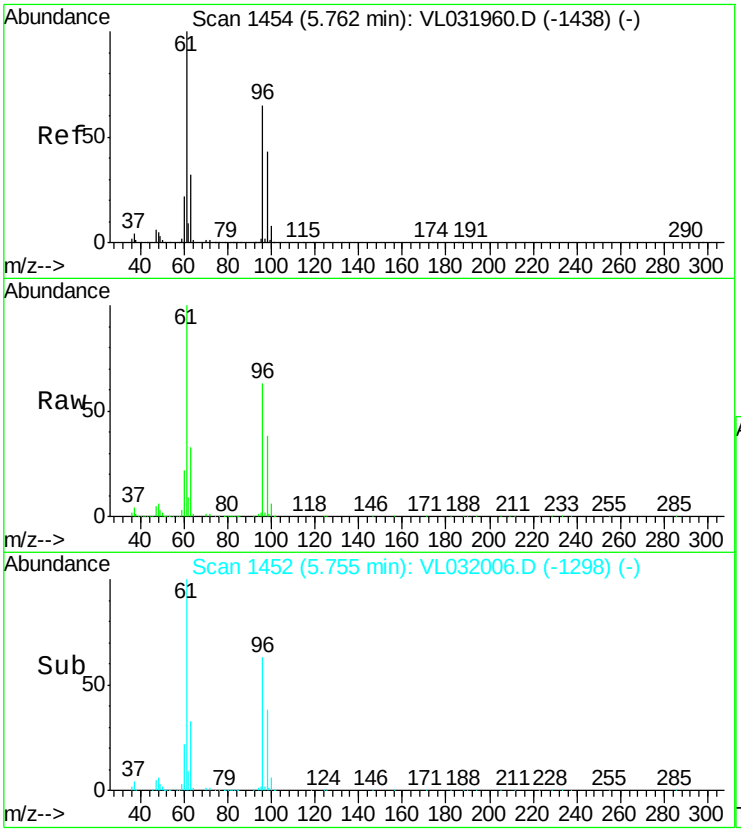


#30
Cyclohexane
Concen: 6.83 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 84 Resp: 865341

Ion	Ratio	Lower	Upper
84	100		
56	131.2	108.0	162.0
41	82.3	66.8	100.2



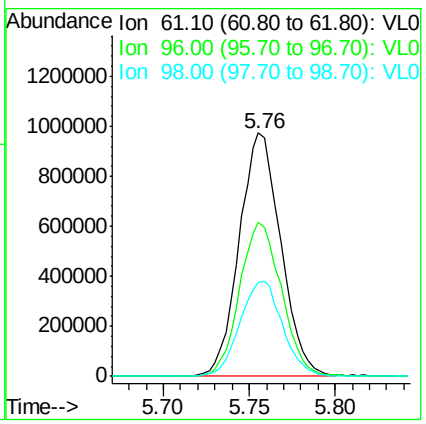


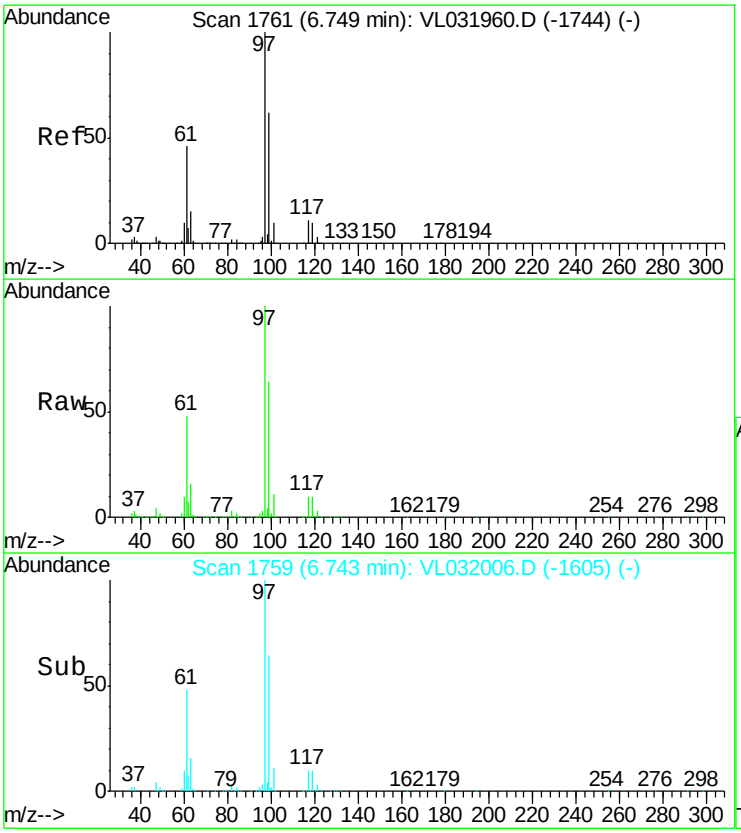
#31
cis-1,2-Dichloroethene
Concen: 9.39 ppbv
RT: 5.76 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 61 Resp: 1633221

Ion	Ratio	Lower	Upper
61	100		
96	63.2	51.8	77.6
98	38.3	34.2	51.4

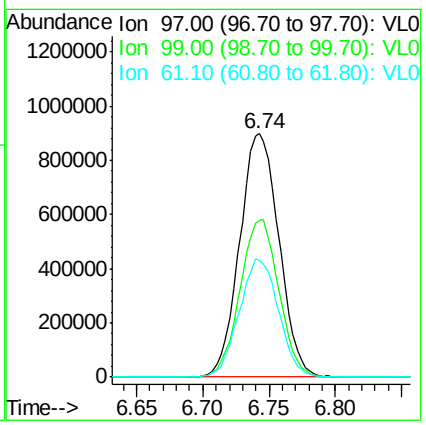


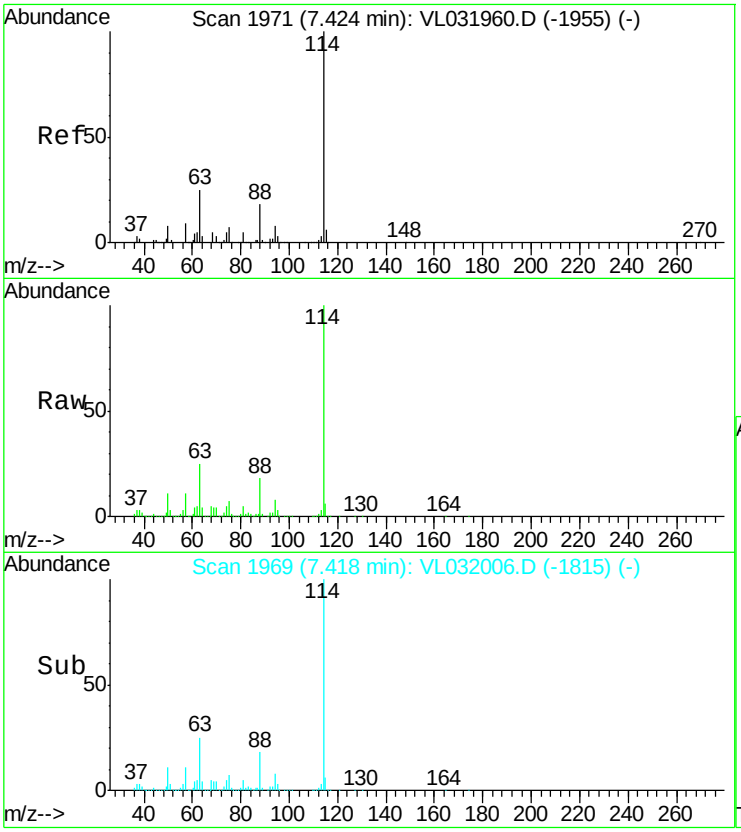


#32
1,1,1-Trichloroethane
Concen: 6.68 ppbv
RT: 6.74 min Scan# 1759
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 97 Resp: 1854245

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	48.6	38.1	57.1



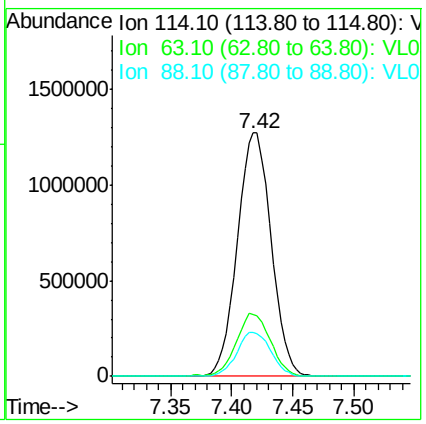


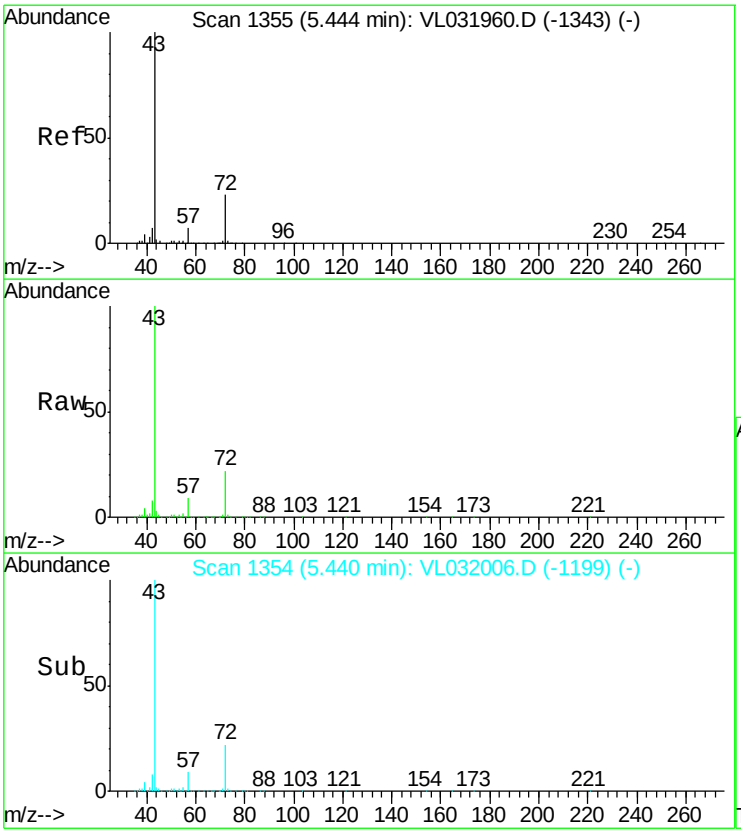
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:114 Resp: 2431503

Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.8	31.2
88	18.3	14.6	21.8

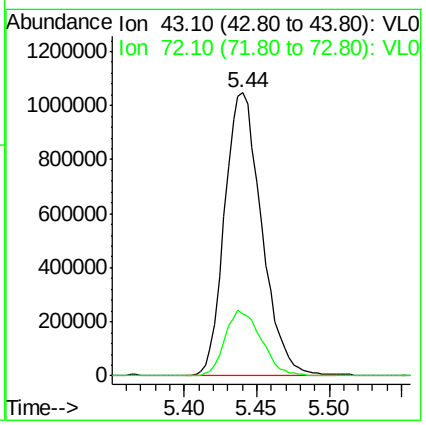


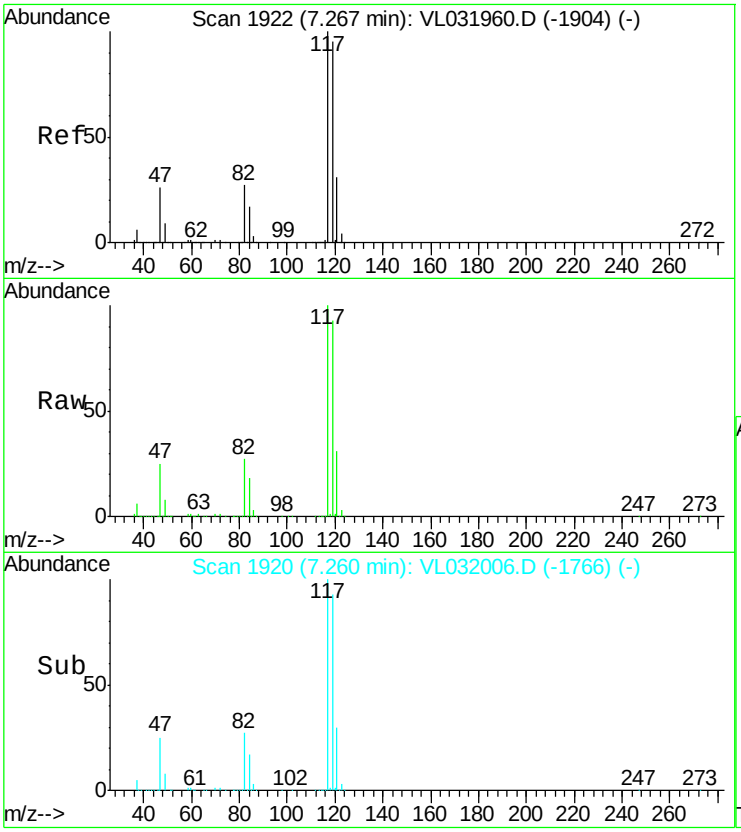


#34
2-Butanone
Concen: 9.23 ppbv
RT: 5.44 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 43 Resp: 1852144

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.3	27.5



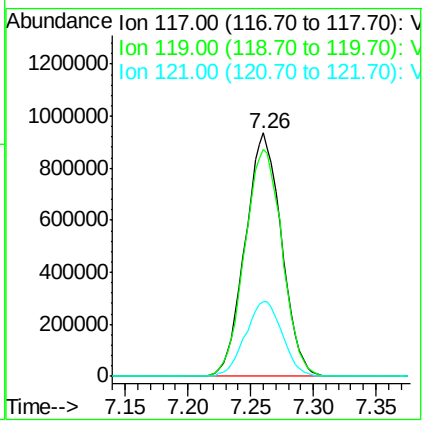


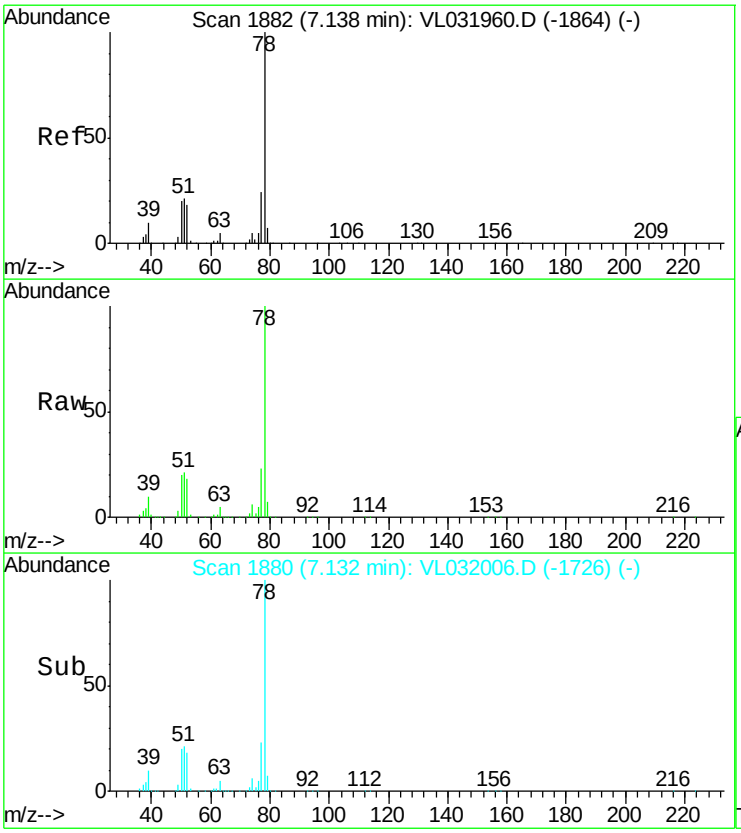
#35
Carbon Tetrachloride
Concen: 9.77 ppbv
RT: 7.26 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:117 Resp: 1882915

Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.4	114.6
121	30.6	24.4	36.6

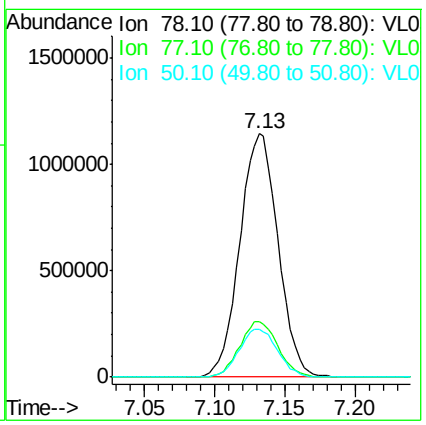


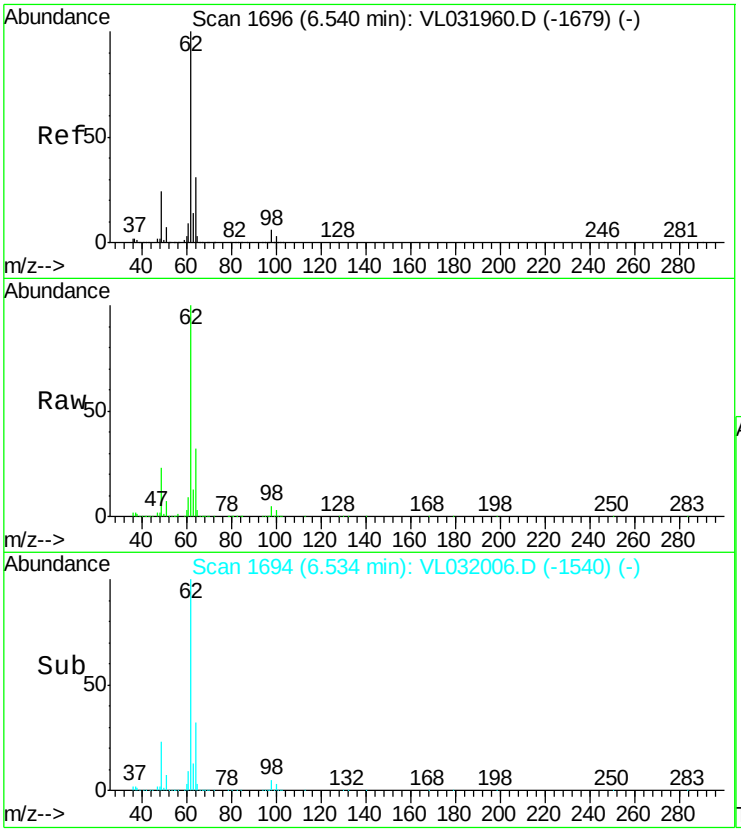


#36
Benzene
Concen: 9.48 ppbv
RT: 7.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 78 Resp: 2171538

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.2	28.8
50	19.6	16.2	24.4



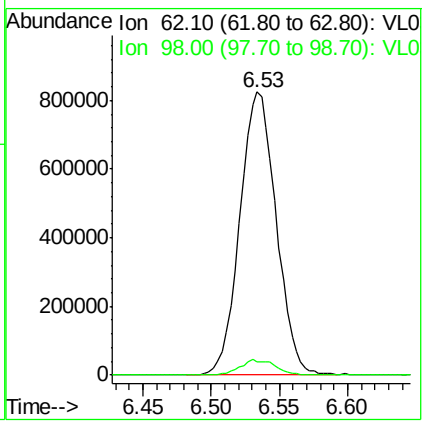


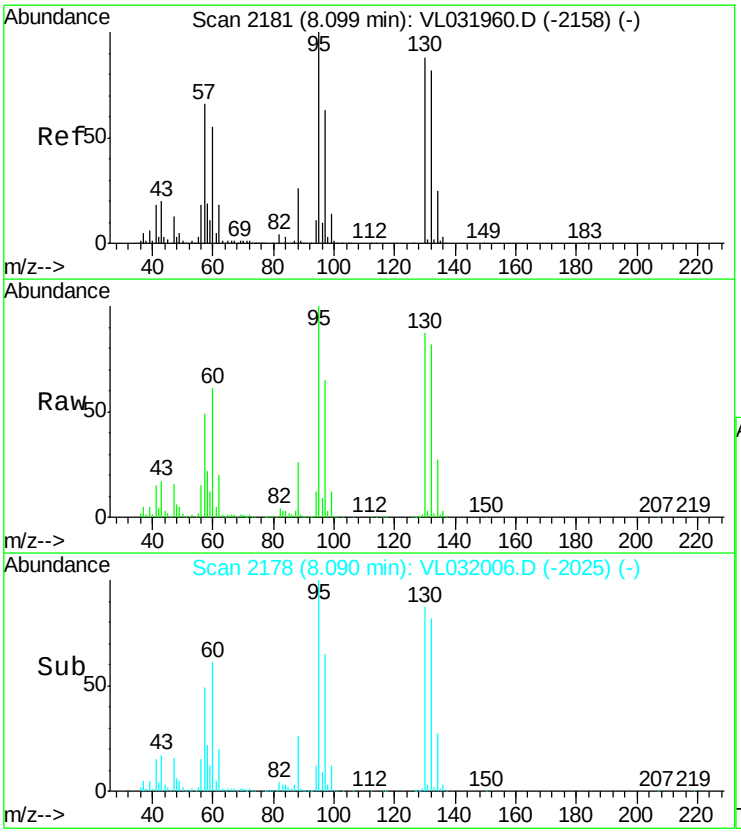
#37
1,2-Dichloroethane
Concen: 9.26 ppbv
RT: 6.53 min Scan# 1694
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 62 Resp: 1524076

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.6	6.8

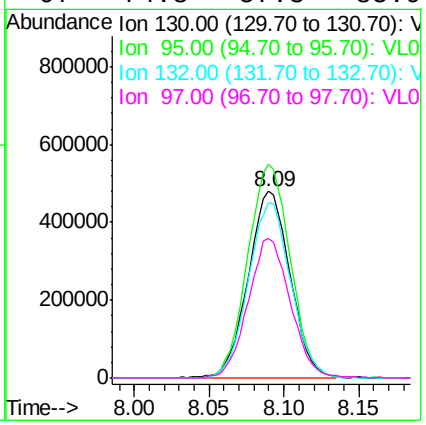


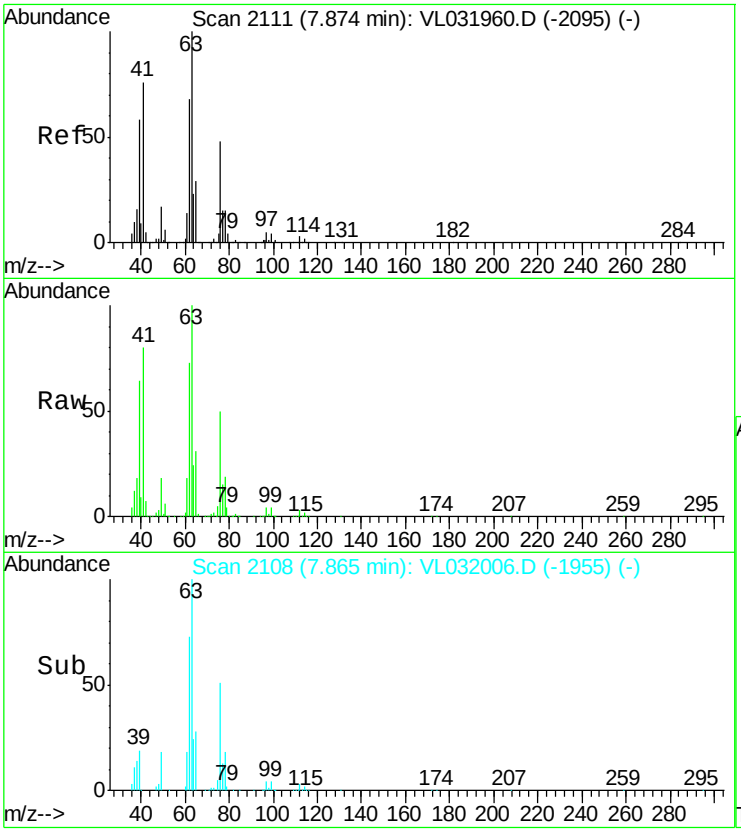


#38
Trichloroethene
Concen: 10.66 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:130 Resp: 927308

Ion	Ratio	Lower	Upper
130	100		
95	114.9	90.7	136.1
132	94.0	74.3	111.5
97	74.8	57.3	85.9



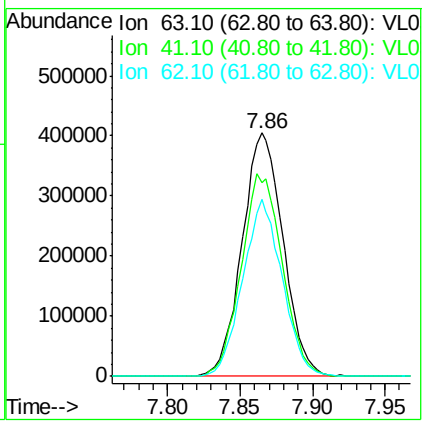


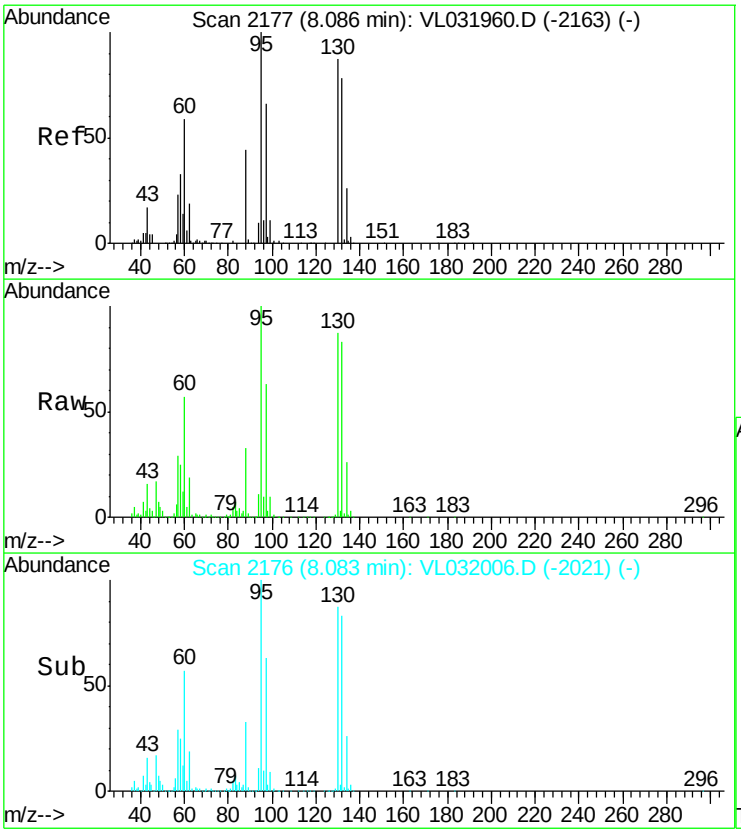
#39
1,2-Dichloropropane
Concen: 10.00 ppbv
RT: 7.86 min Scan# 2108
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 63 Resp: 797289

Ion	Ratio	Lower	Upper
63	100		
41	79.5	60.7	91.1
62	72.7	54.7	82.1

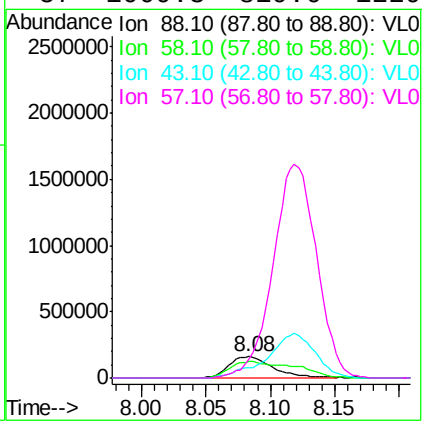


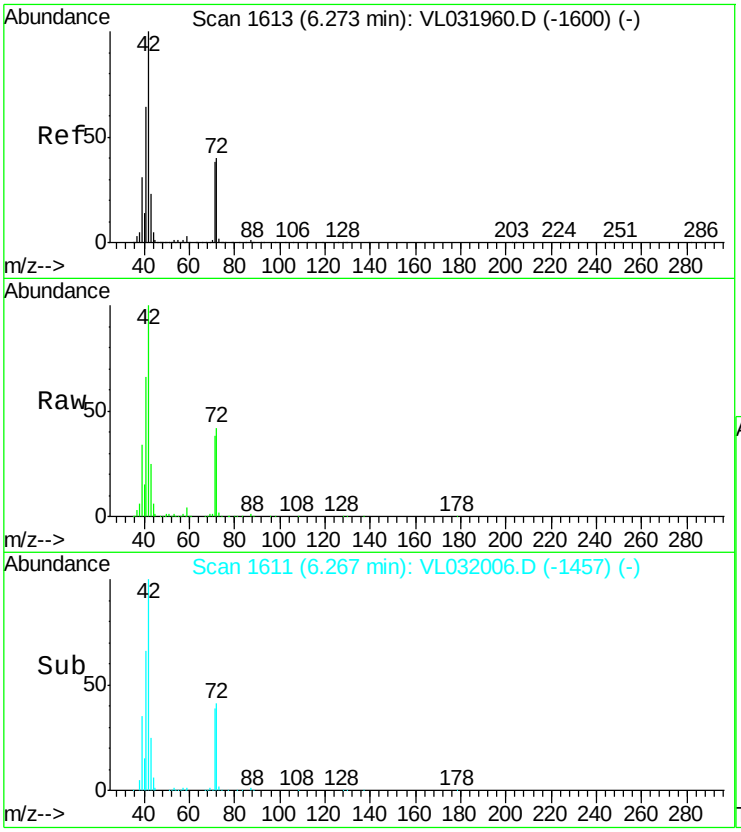


#40
1,4-Dioxane
Concen: 10.48 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 88 Resp: 376588

Ion	Ratio	Lower	Upper
88	100		
58	120.7	94.9	142.3
43	228.6	188.2	282.2
57	1009.3	819.6	1229.4



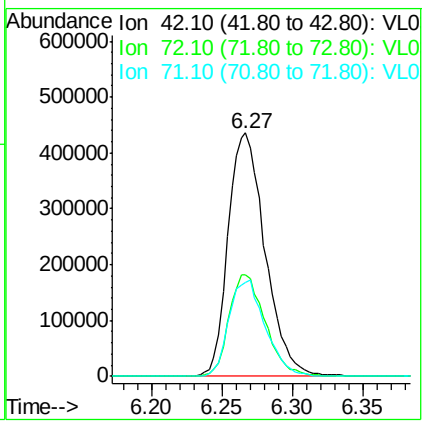


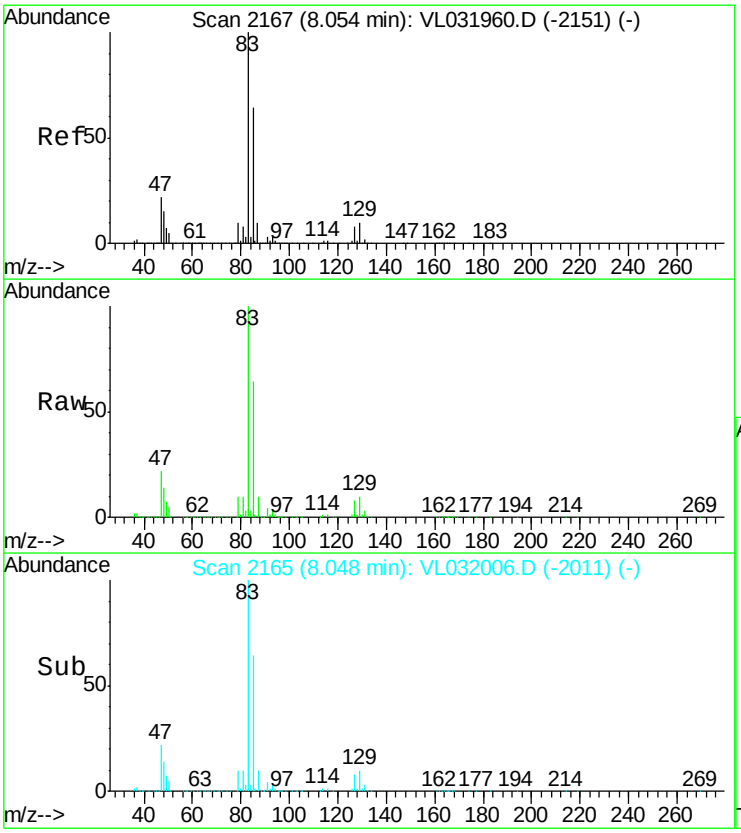
#41
Tetrahydrofuran
Concen: 9.17 ppbv
RT: 6.27 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 42 Resp: 801362

Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.3	48.5
71	39.2	31.4	47.2

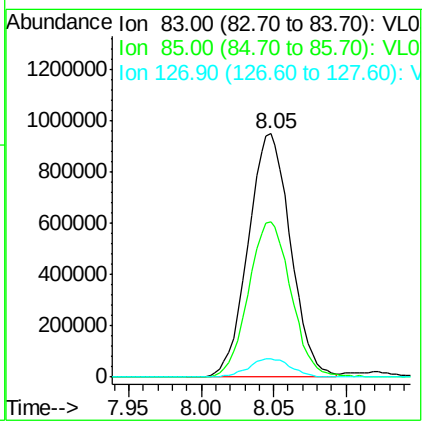


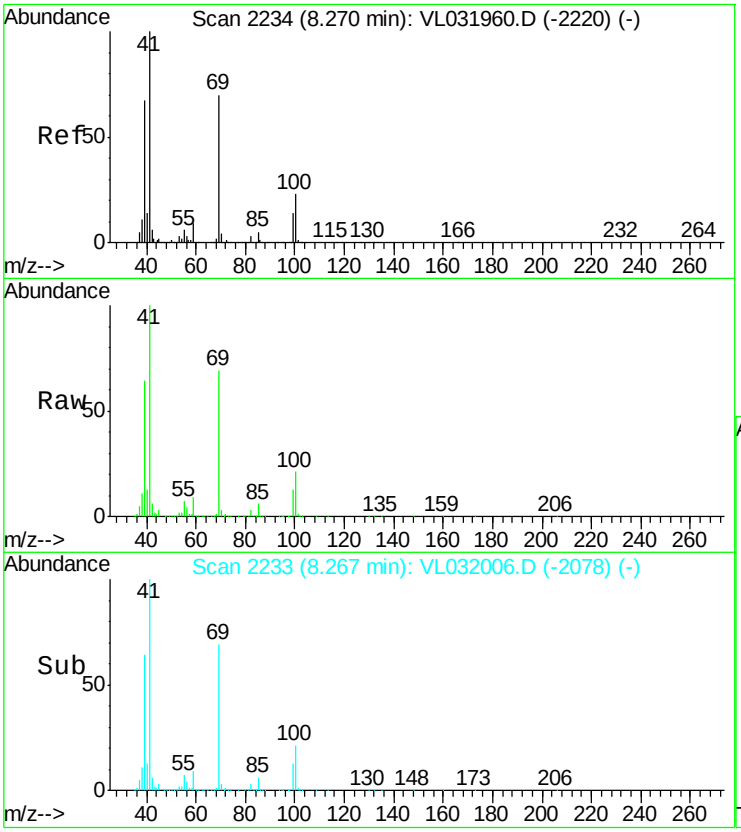


#42
Bromodichloromethane
Concen: 10.49 ppbv
RT: 8.05 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 83 Resp: 1924537

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.6
127	7.8	6.7	10.1



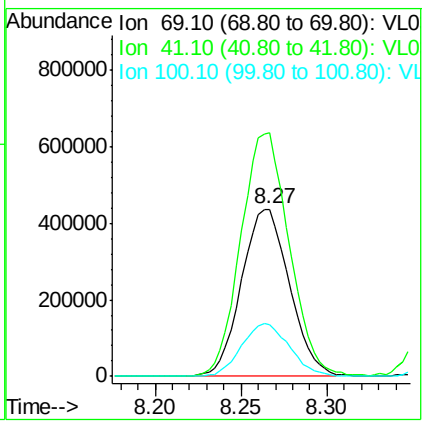


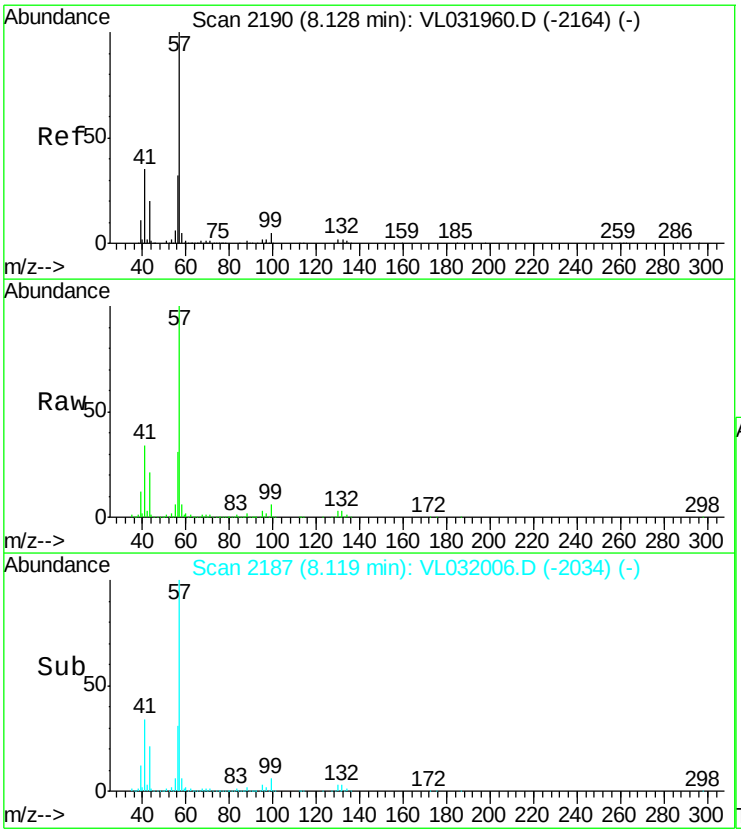
#43
Methyl Methacrylate
Concen: 10.94 ppbv
RT: 8.27 min Scan# 2233
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 69 Resp: 844197

Ion	Ratio	Lower	Upper
69	100		
41	147.1	119.4	179.2
100	31.7	26.0	39.0

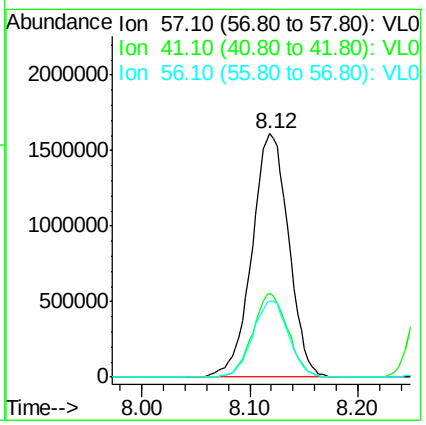


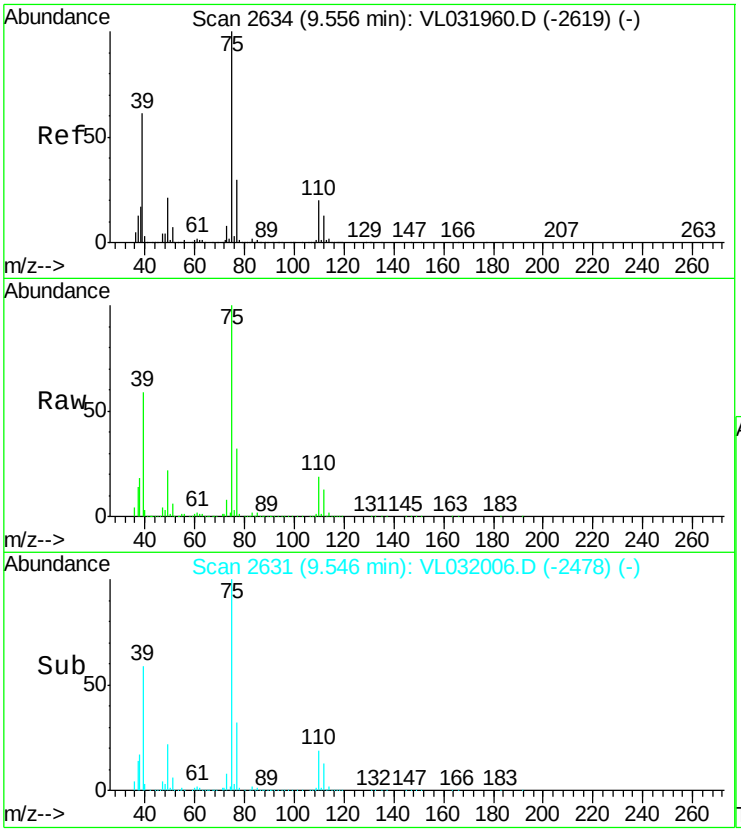


#44
2,2,4-Trimethylpentane
Concen: 10.27 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 57 Resp: 3795494

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.6	39.8
56	30.6	24.4	36.6



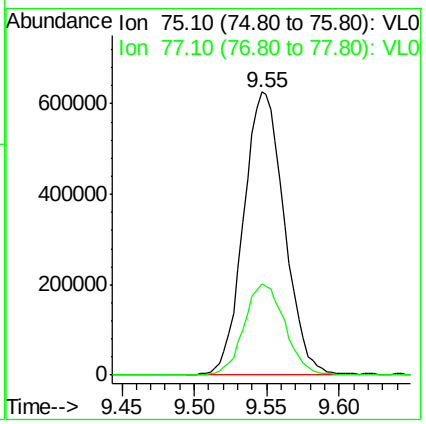


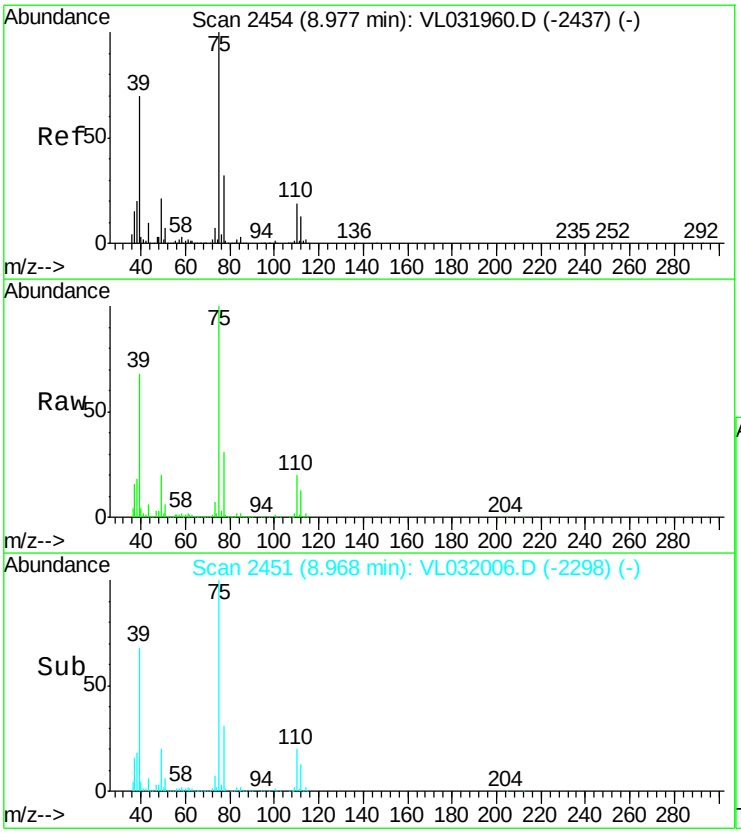
#45
t-1,3-Dichloropropene
Concen: 11.98 ppbv
RT: 9.55 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 75 Resp: 1225010

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.4	36.6

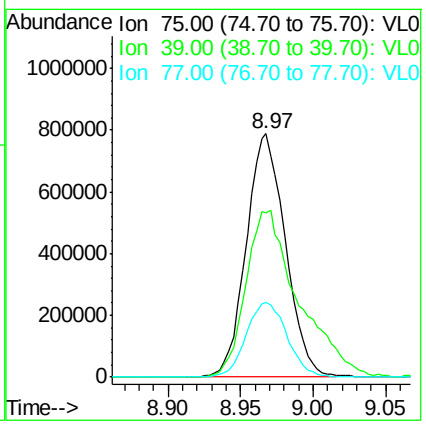


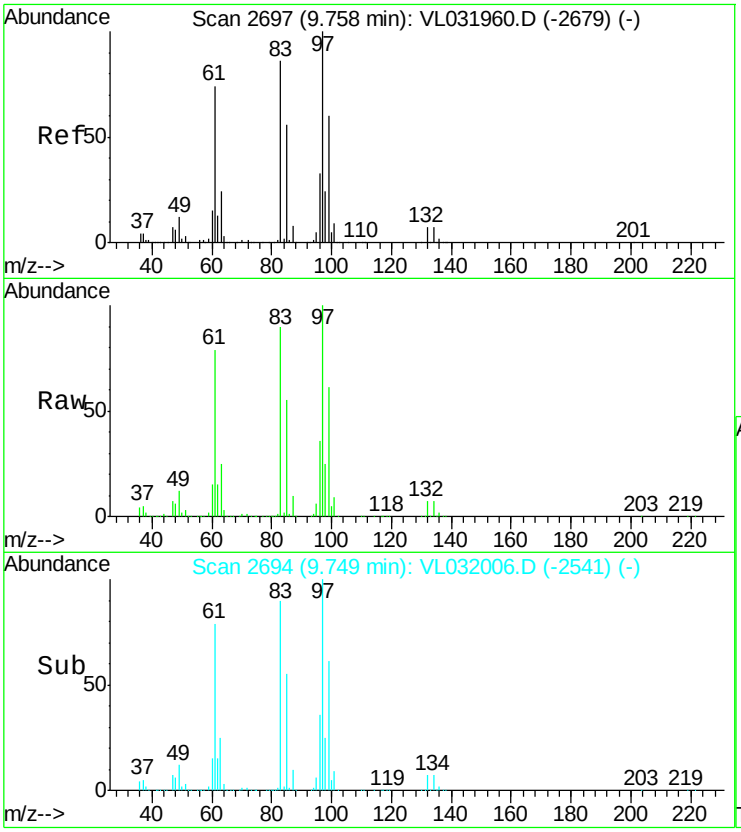


#46
cis-1,3-Dichloropropene
Concen: 11.73 ppbv
RT: 8.97 min Scan# 2451
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 75 Resp: 1481089

Ion	Ratio	Lower	Upper
75	100		
39	67.7	55.7	83.5
77	30.6	25.9	38.9



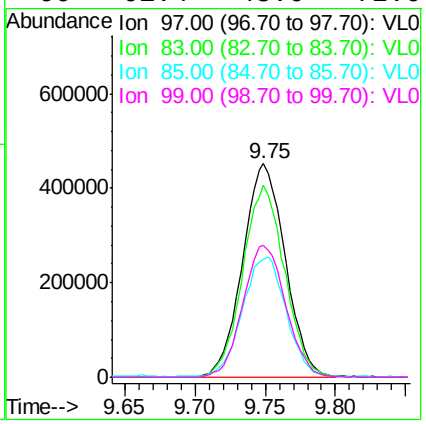


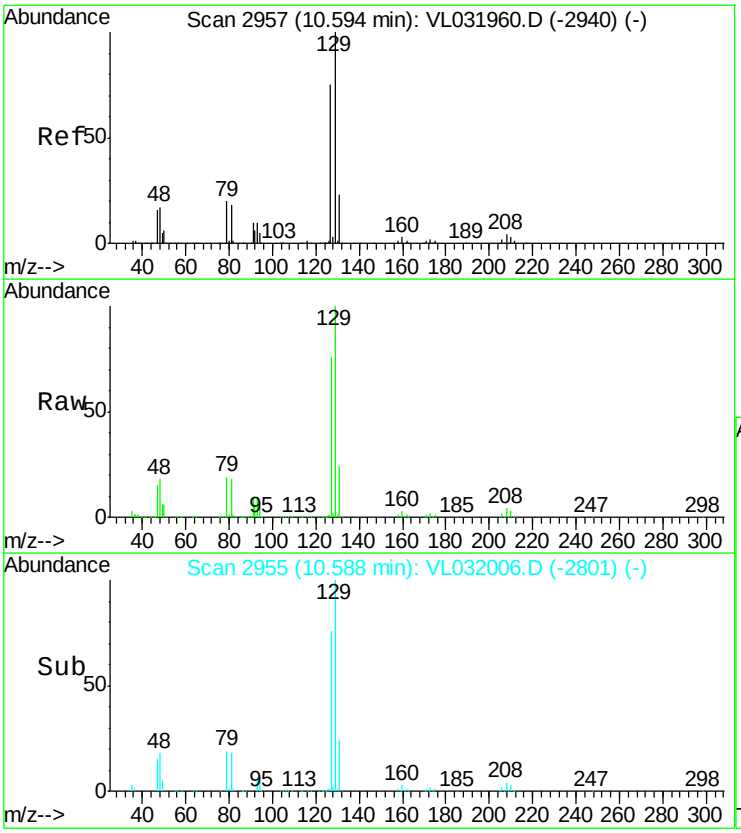
#47
1,1,2-Trichloroethane
Concen: 10.14 ppbv
RT: 9.75 min Scan# 2694
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 97 Resp: 956403

Ion	Ratio	Lower	Upper
97	100		
83	90.0	69.0	103.4
85	54.5	45.0	67.6
99	61.4	48.0	72.0

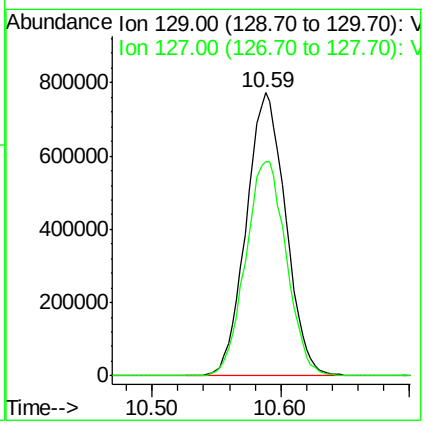


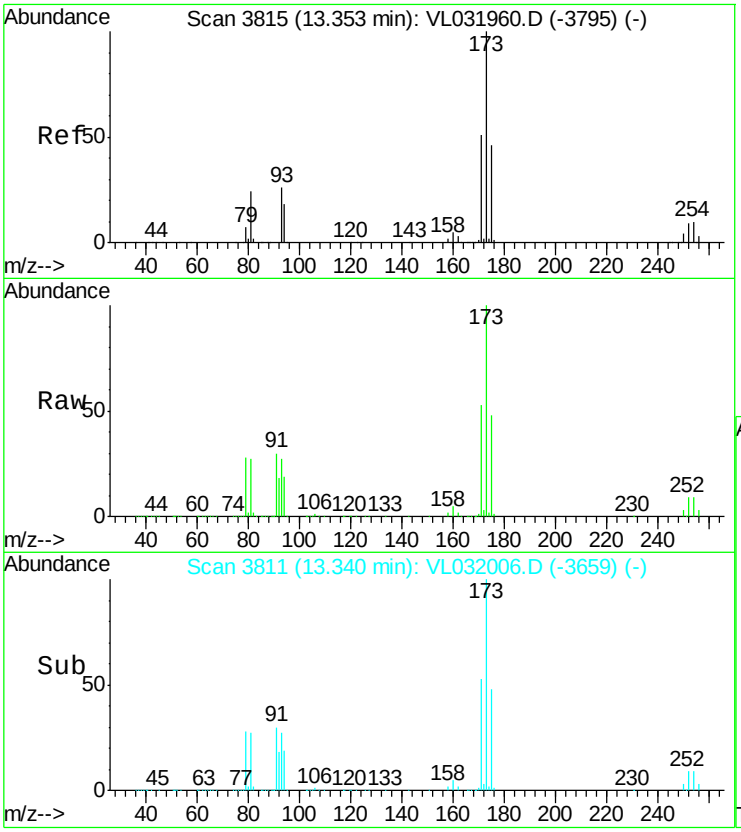


#48
Dibromochloromethane
Concen: 10.89 ppbv
RT: 10.59 min Scan# 2955
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:129 Resp: 1647391

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2



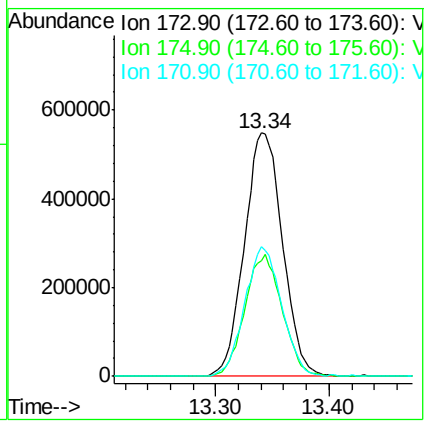


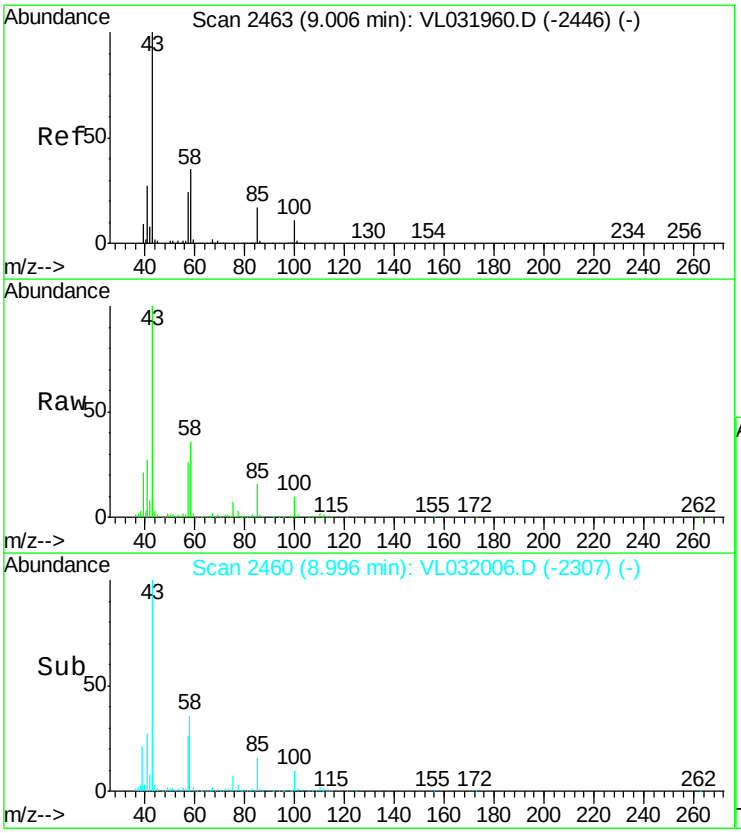
#49
Bromoform
Concen: 10.95 ppbv
RT: 13.34 min Scan# 3811
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:173 Resp: 1284754

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.2	58.8
171	51.9	41.5	62.3

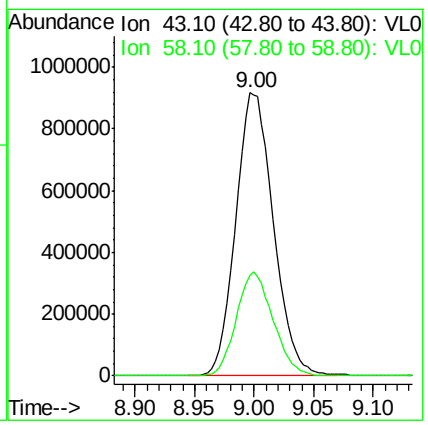


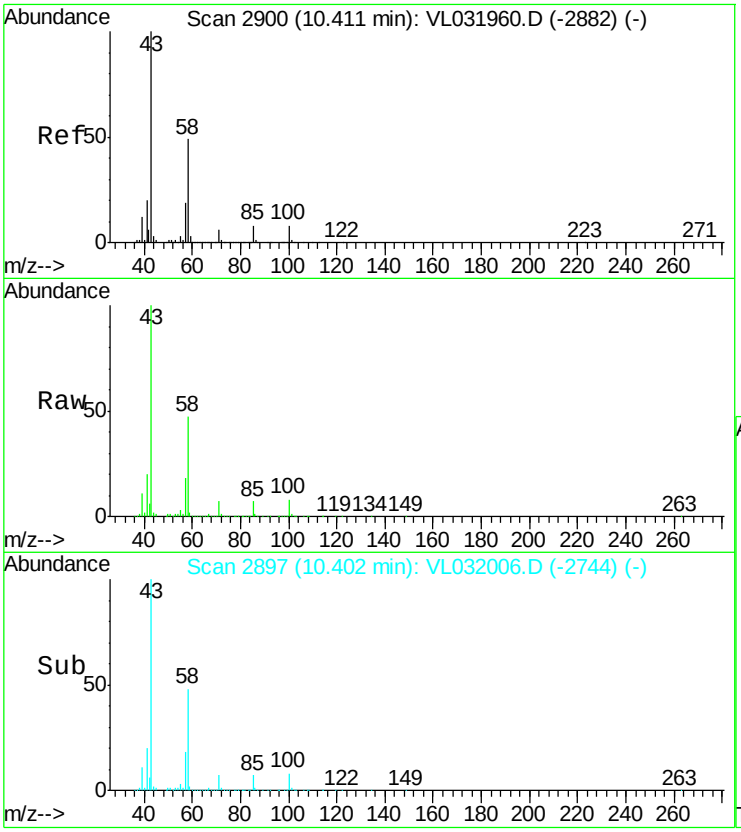


#50
4-Methyl-2-Pentanone
Concen: 10.63 ppbv
RT: 9.00 min Scan# 2460
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 43 Resp: 2014193

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.6	42.8



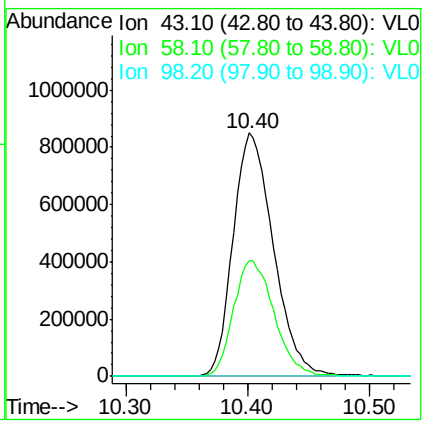


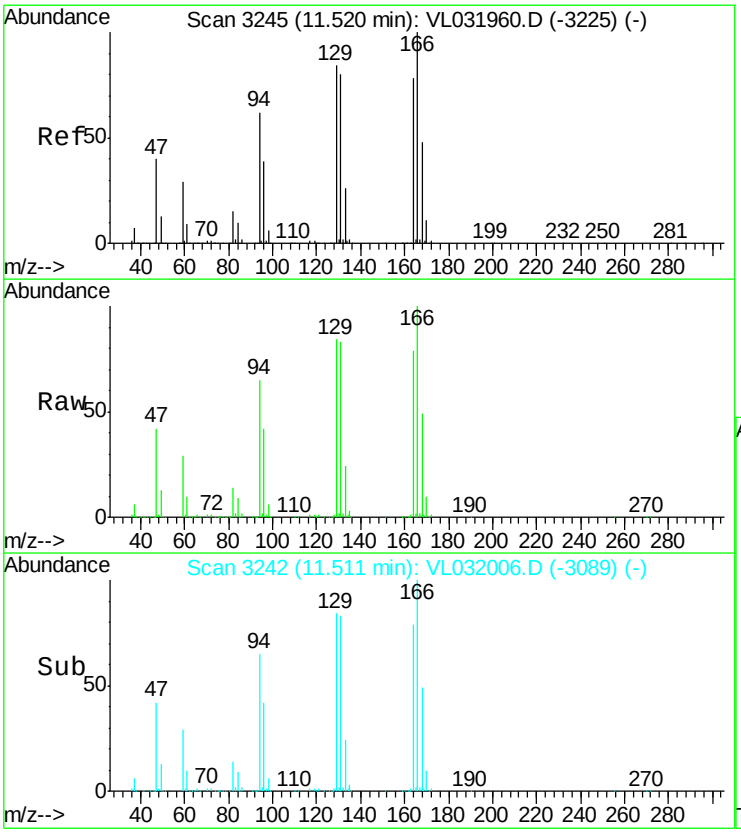
#51
2-Hexanone
Concen: 11.26 ppbv
RT: 10.40 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 43 Resp: 1942136

Ion	Ratio	Lower	Upper
43	100		
58	48.2	38.6	58.0
98	0.4	0.2	0.2#

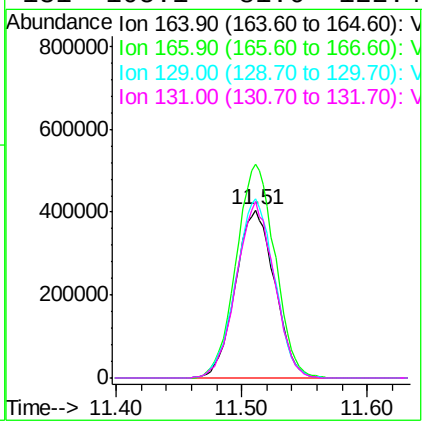


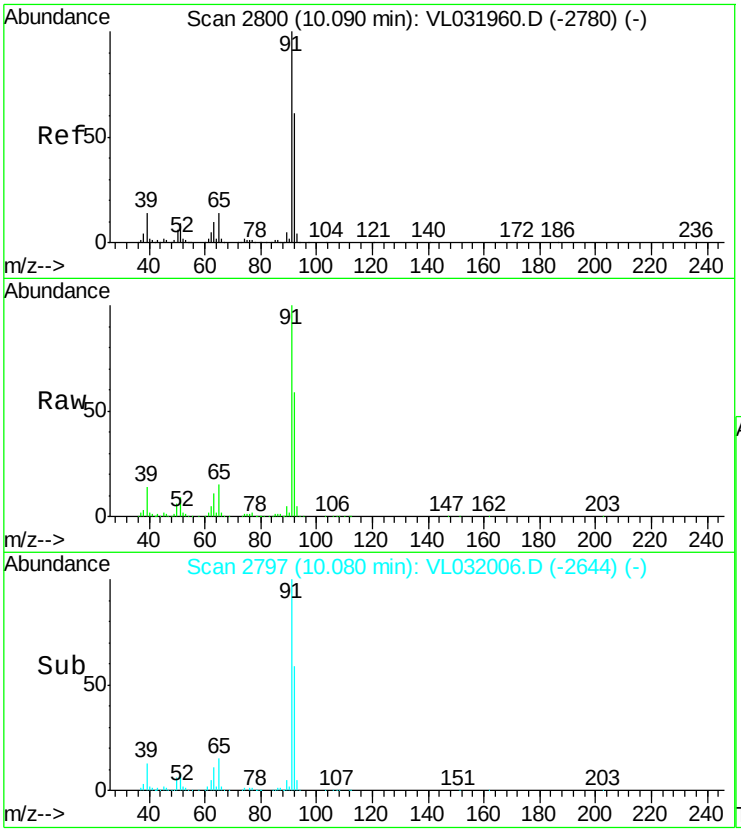


#52
Tetrachloroethene
Concen: 10.36 ppbv
RT: 11.51 min Scan# 3242
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:164 Resp: 878829

Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.9	152.9
129	106.4	85.8	128.6
131	105.1	81.6	122.4



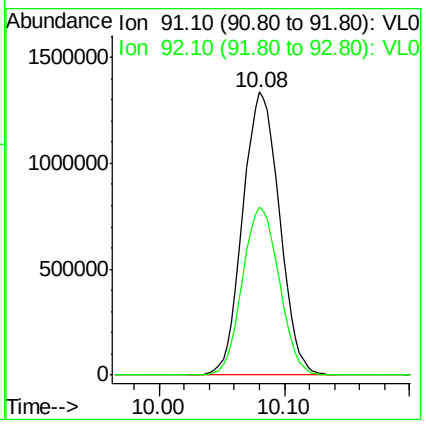


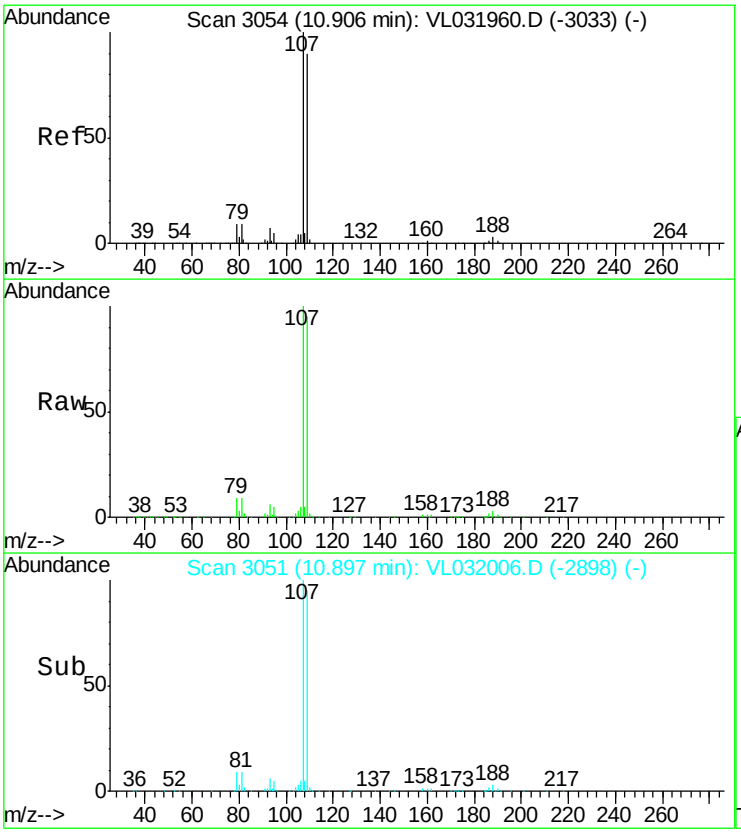
#53
Toluene
Concen: 11.00 ppbv
RT: 10.08 min Scan# 2797
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 91 Resp: 2716180

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.4	71.2

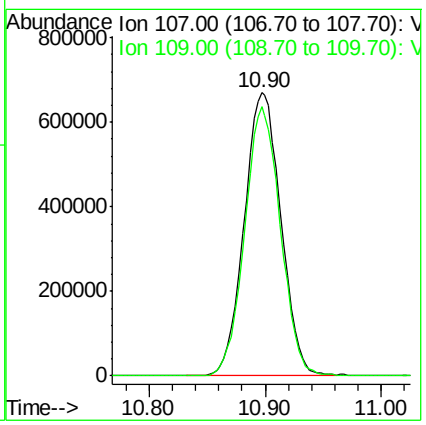


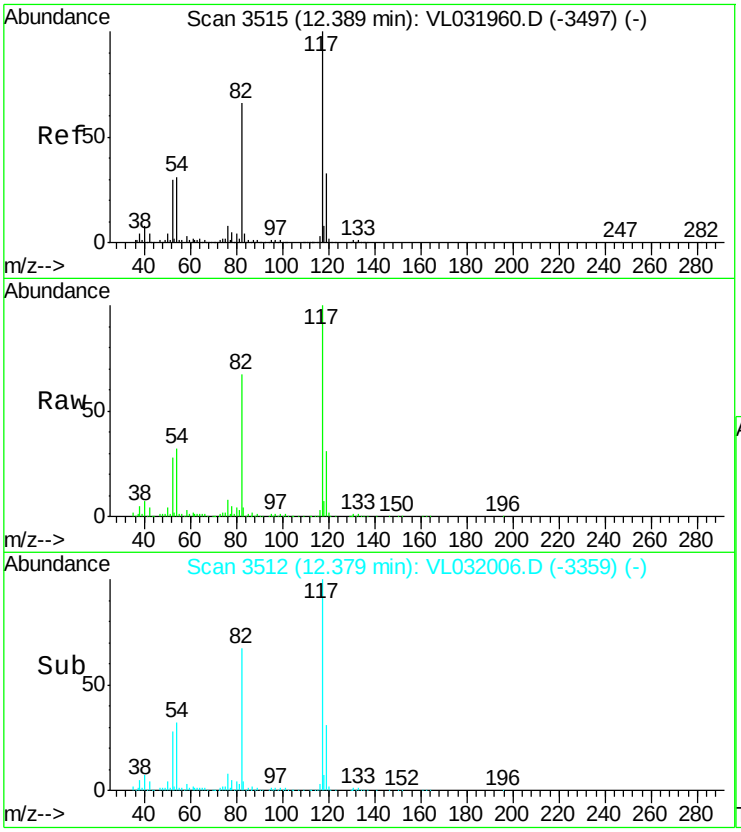


#54
1,2-Dibromoethane
Concen: 10.47 ppbv
RT: 10.90 min Scan# 3051
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:107 Resp: 1472353

Ion	Ratio	Lower	Upper
107	100		
109	95.3	72.1	108.1



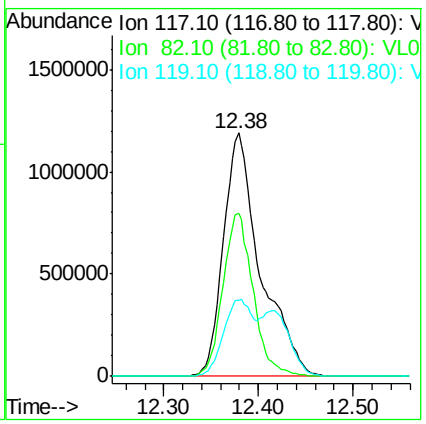


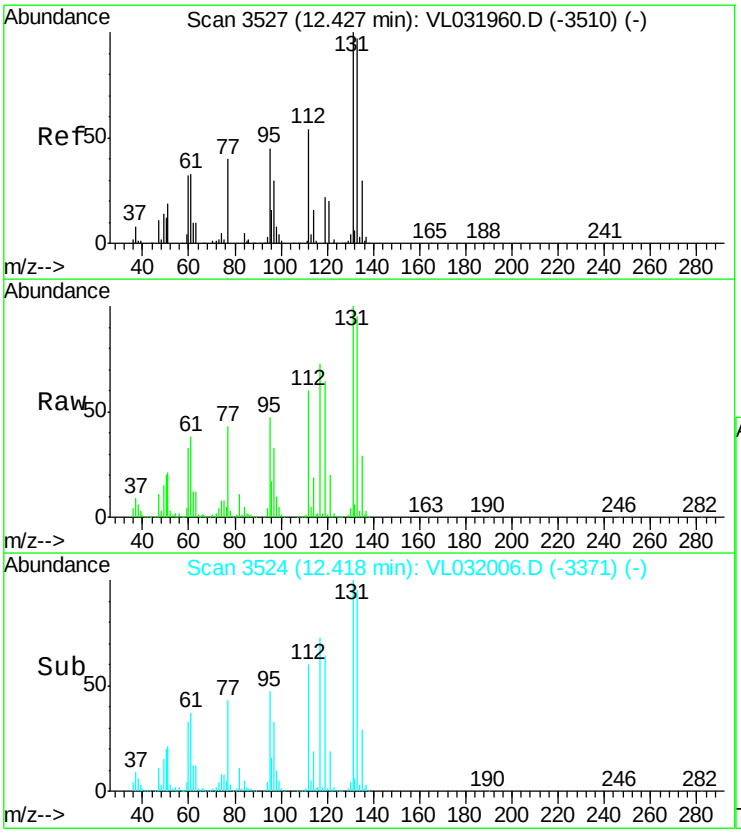
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:117 Resp: 3231650

Ion	Ratio	Lower	Upper
117	100		
82	54.9	51.6	77.4
119	46.6	44.2	66.4

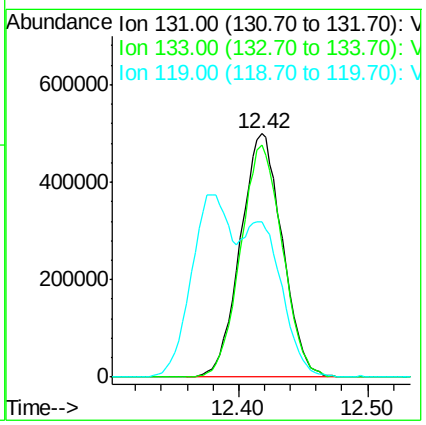


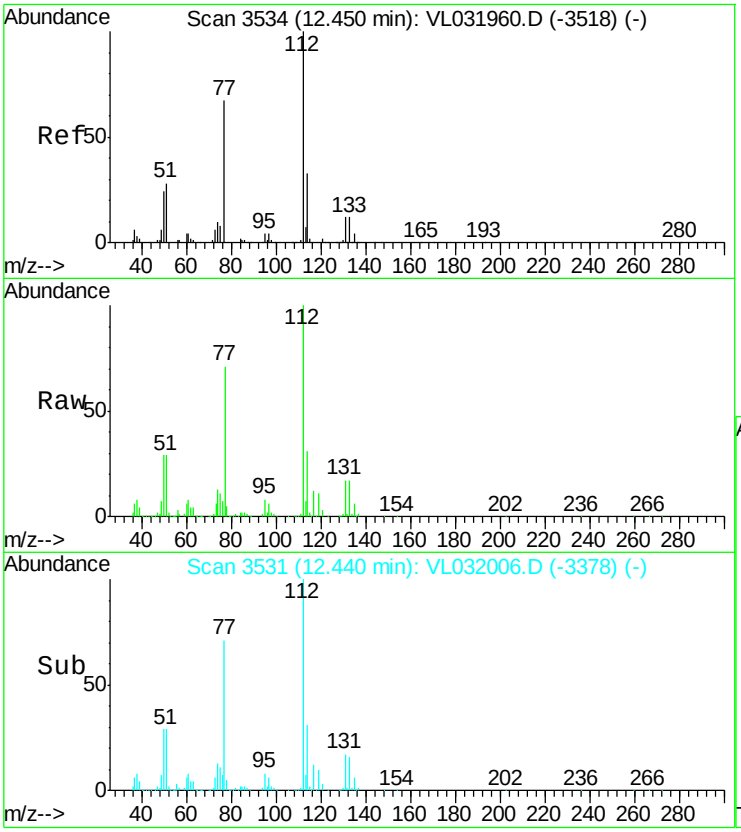


#56
1,1,1,2-Tetrachloroethane
Concen: 7.65 ppbv
RT: 12.42 min Scan# 3524
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:131 Resp: 1126631

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.2	114.4
119	134.0	44.7	67.1#



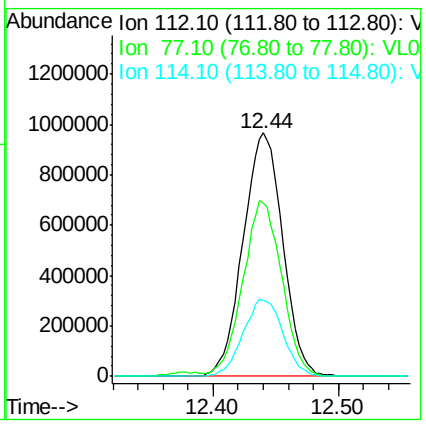


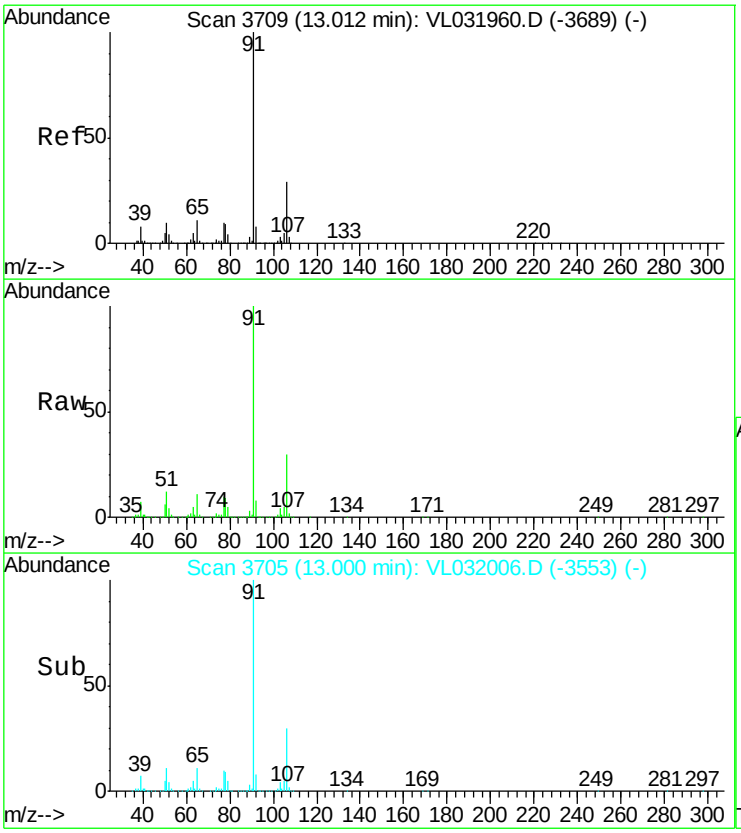
#57
Chlorobenzene
Concen: 7.62 ppbv
RT: 12.44 min Scan# 3531
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:112 Resp: 2122498

Ion	Ratio	Lower	Upper
112	100		
77	71.1	54.6	82.0
114	31.2	29.2	35.6

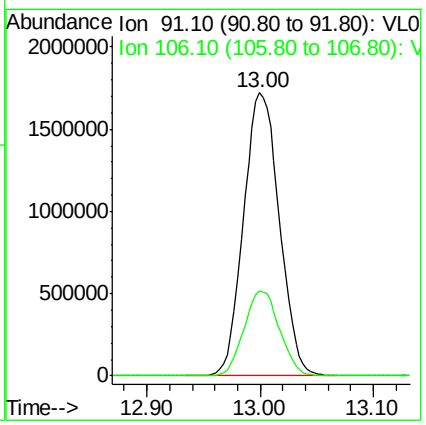


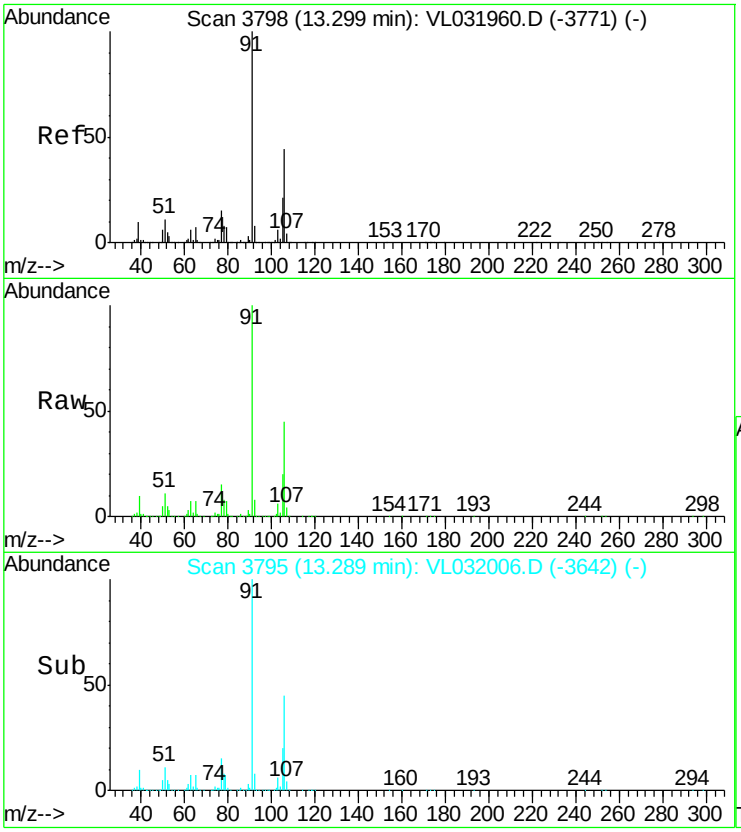


#58
Ethyl Benzene
Concen: 8.17 ppbv
RT: 13.00 min Scan# 3705
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 91 Resp: 3782084

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.4	35.2



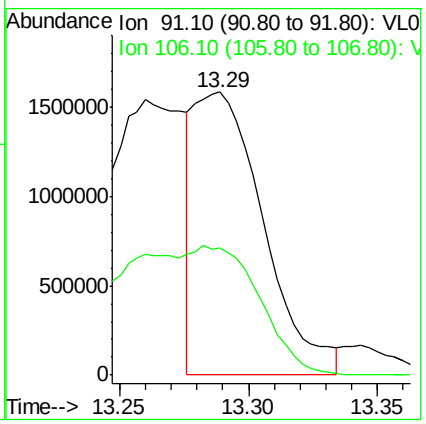


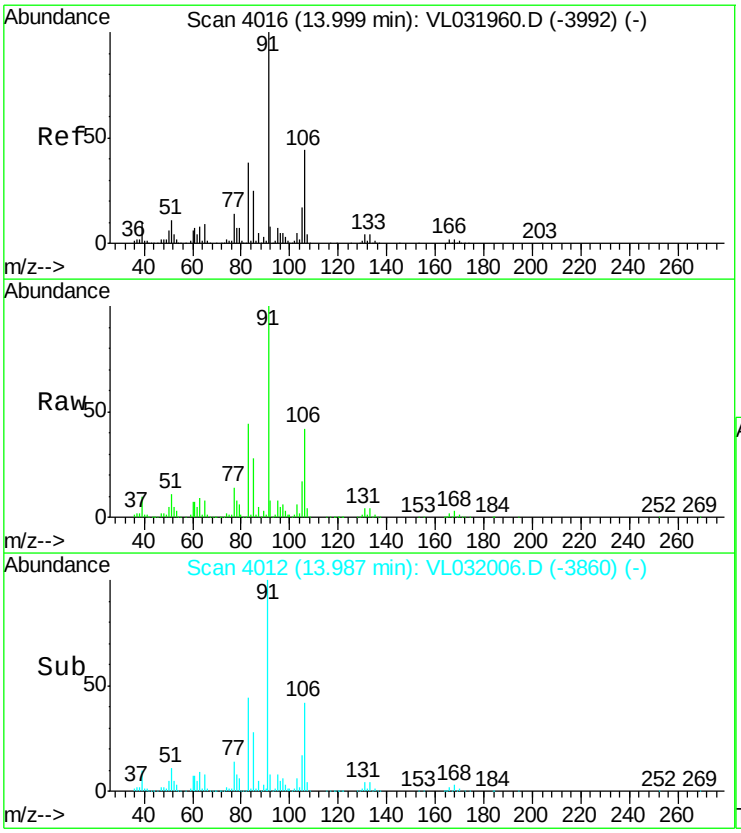
#59
m/p-Xylene
Concen: 7.48 ppbv
RT: 13.29 min Scan# 3795
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 91 Resp: 2934616

Ion	Ratio	Lower	Upper
91	100		
106	95.5	35.9	53.9#

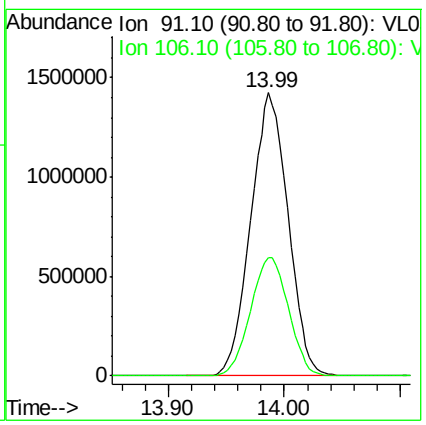


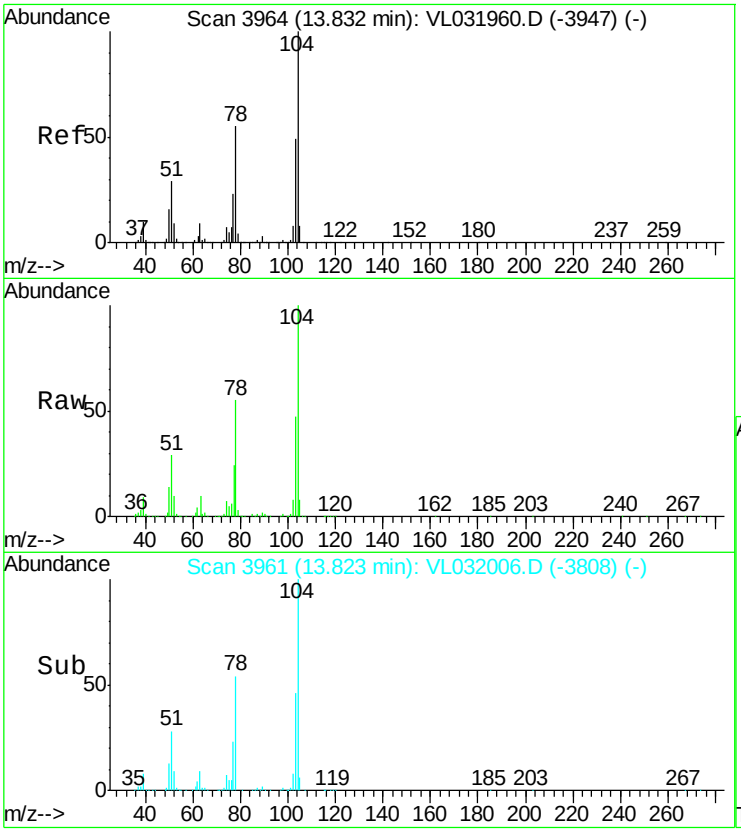


#60
o-Xylene
Concen: 8.07 ppbv
RT: 13.99 min Scan# 4012
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 91 Resp: 3179018

Ion	Ratio	Lower	Upper
91	100		
106	42.9	21.5	64.5



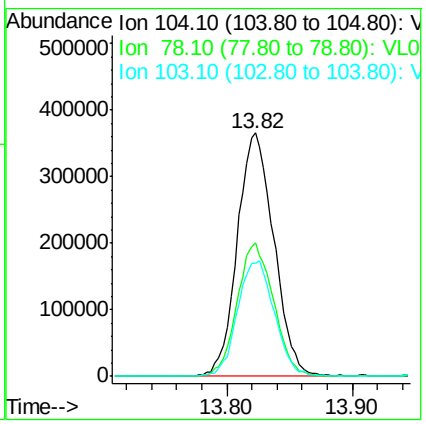


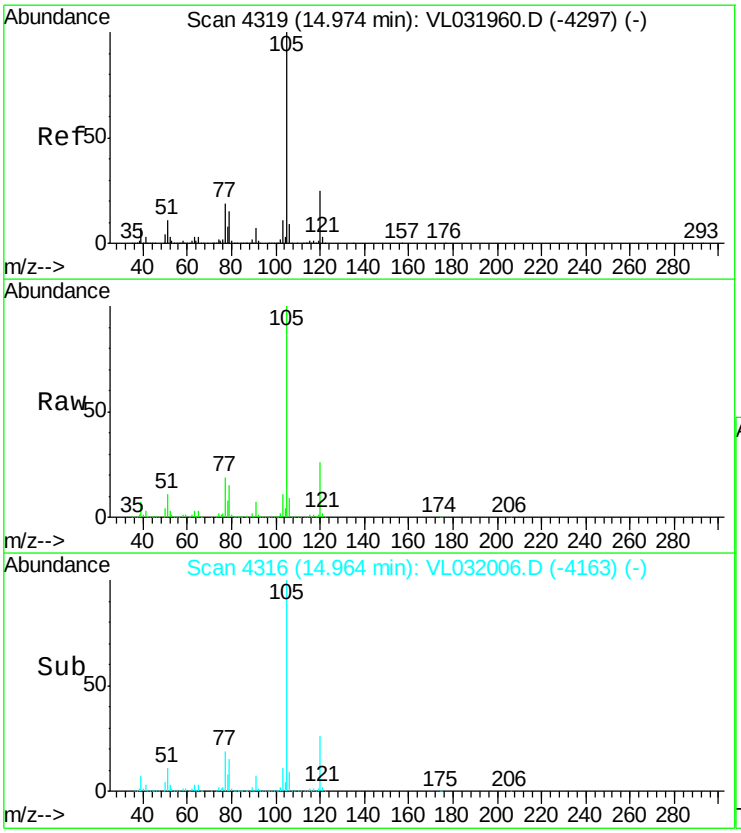
#61
Styrene
Concen: 9.25 ppbv
RT: 13.82 min Scan# 3961
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:104 Resp: 738668

Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.8	65.8
103	48.0	38.4	57.6

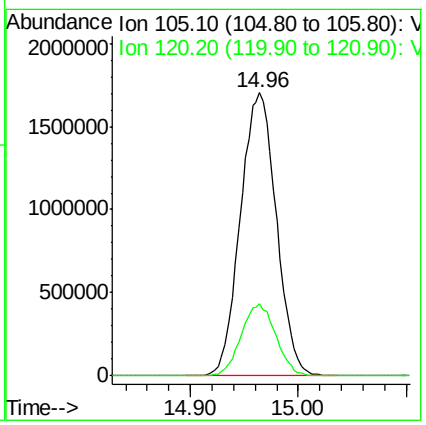


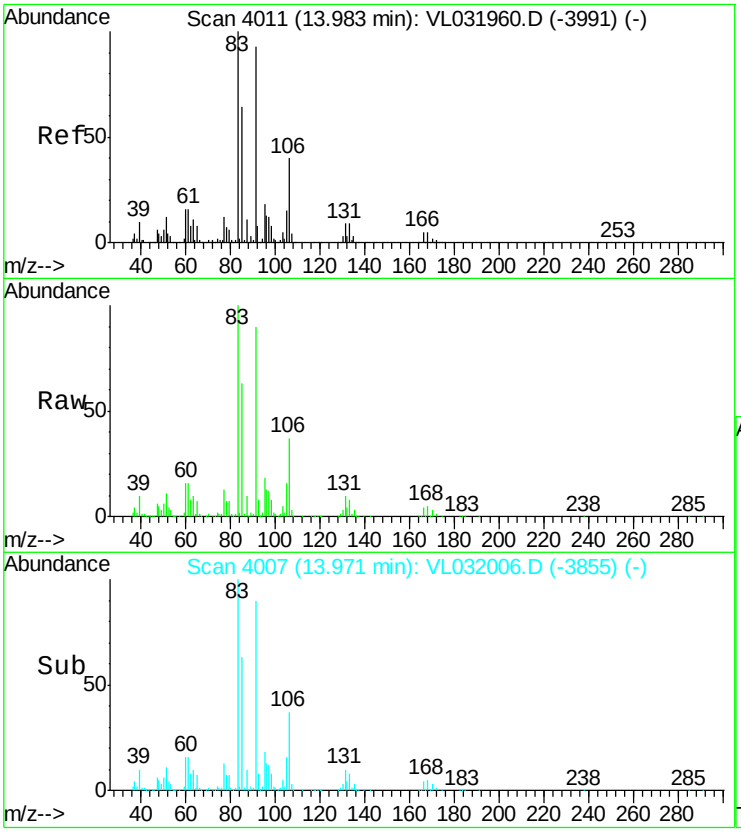


#62
Isopropylbenzene
Concen: 7.82 ppbv
RT: 14.96 min Scan# 4316
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:105 Resp: 3937929

Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.9	29.9



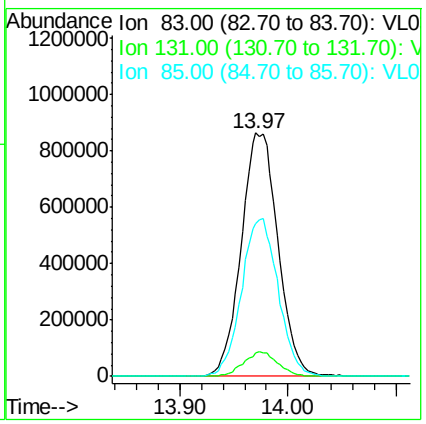


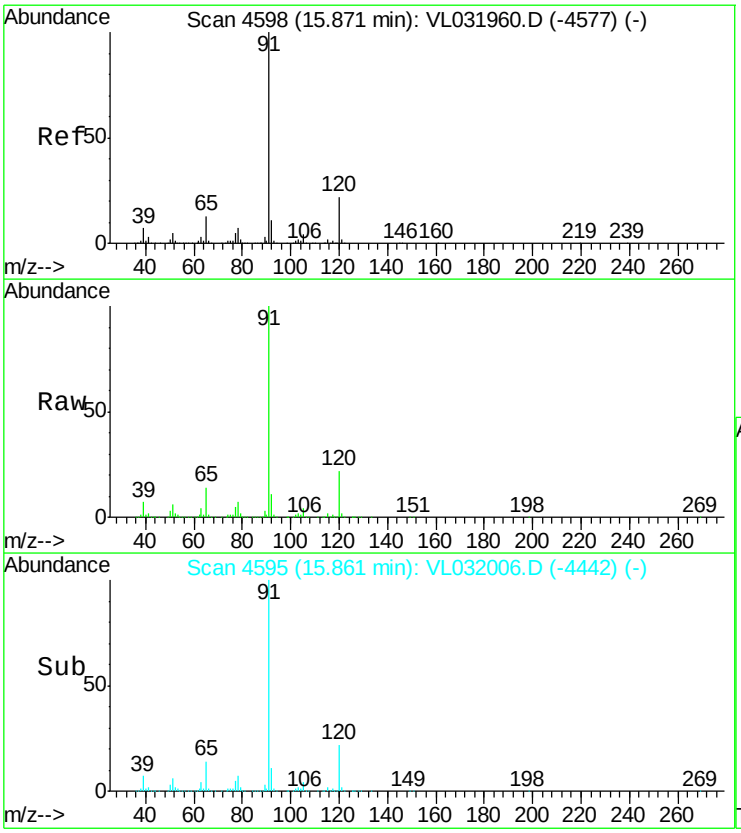
#63
1,1,2,2-Tetrachloroethane
Concen: 7.32 ppbv
RT: 13.97 min Scan# 4007
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 83 Resp: 2047786

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	64.7	32.7	98.1

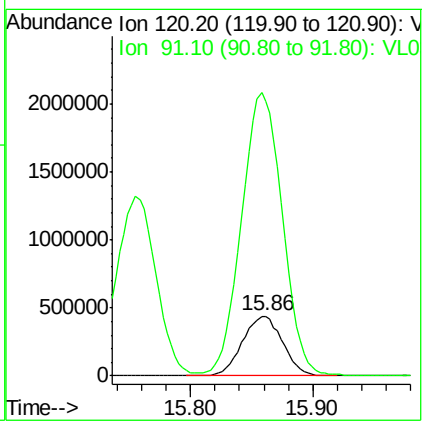


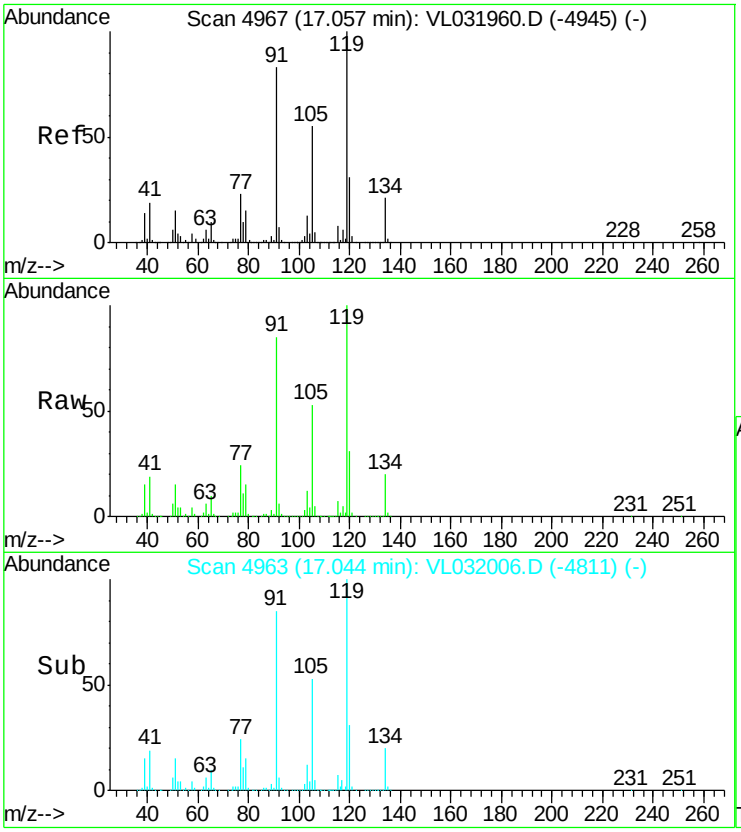


#64
n-propylbenzene
Concen: 7.88 ppbv
RT: 15.86 min Scan# 4595
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:120 Resp: 995593

Ion	Ratio	Lower	Upper
120	100		
91	485.5	388.6	583.0



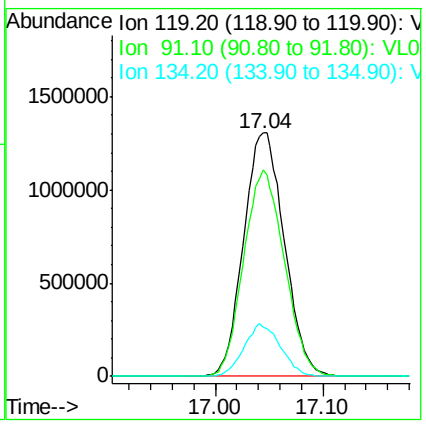


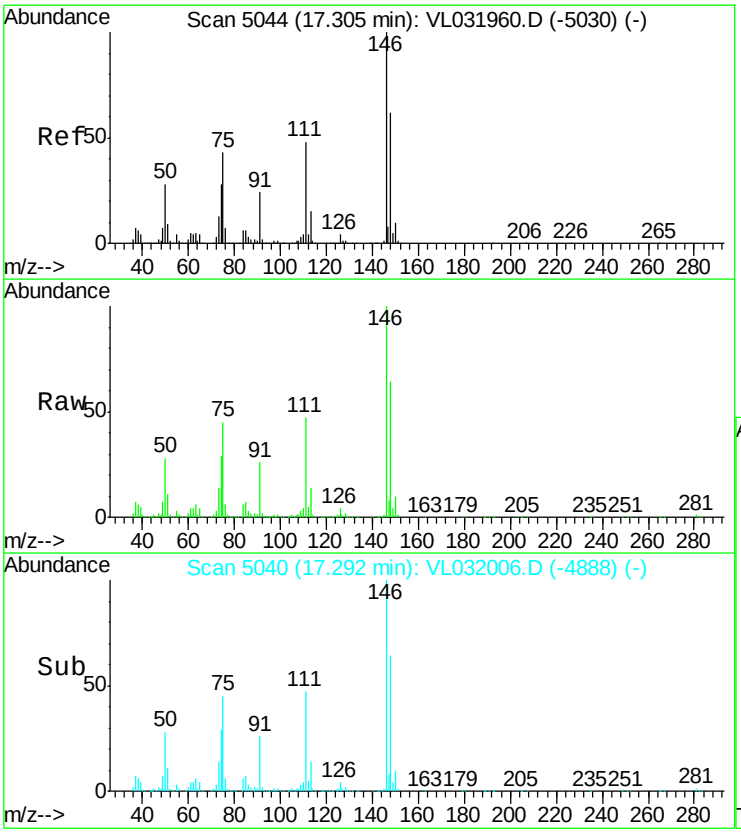
#65
tert-Butylbenzene
Concen: 7.62 ppbv
RT: 17.04 min Scan# 4963
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:119 Resp: 3424999

Ion	Ratio	Lower	Upper
119	100		
91	84.9	68.1	102.1
134	19.5	15.4	23.0

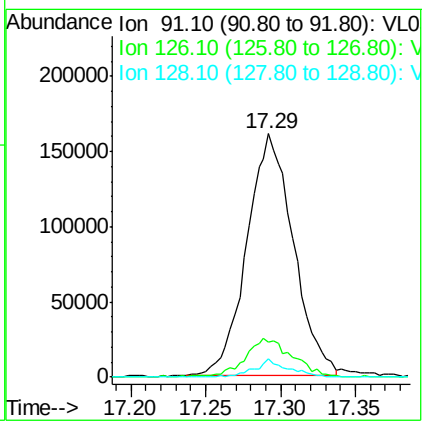


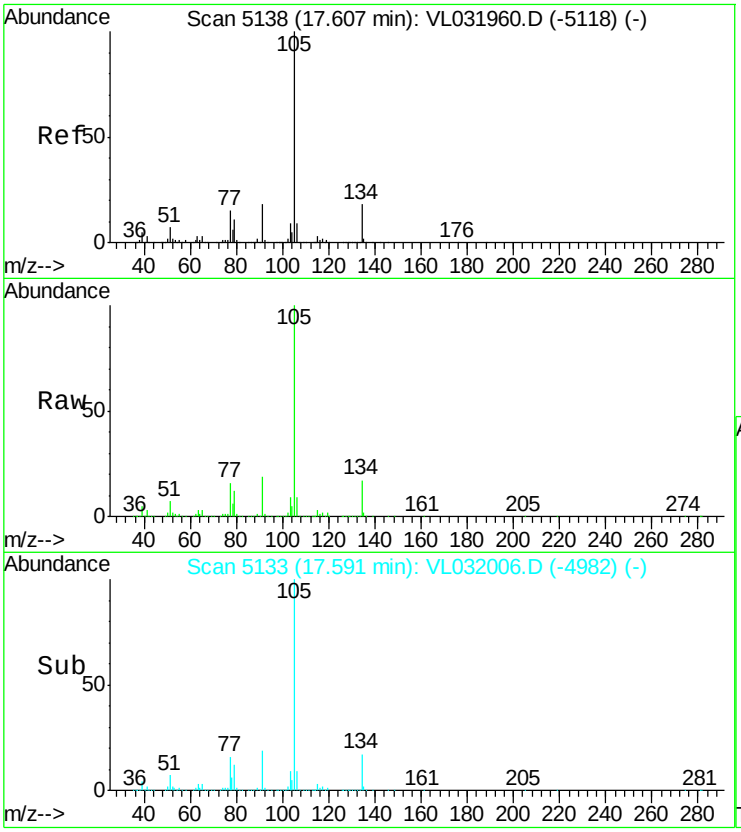


#66
Benzyl Chloride
Concen: 8.51 ppbv
RT: 17.29 min Scan# 5040
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 91 Resp: 347077

Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.4	20.0
128	5.6	4.6	6.8



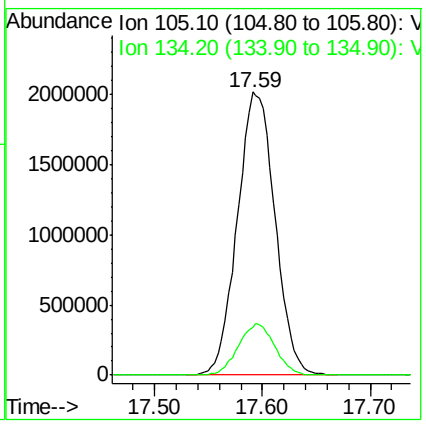


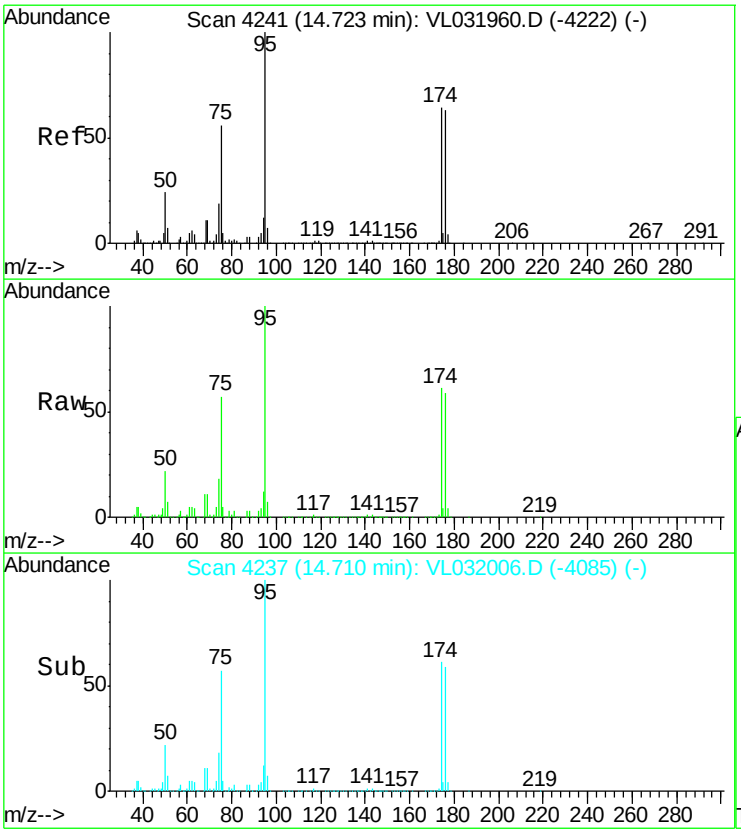
#67
sec-Butylbenzene
Concen: 7.83 ppbv
RT: 17.59 min Scan# 5133
Delta R.T. -0.02 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:105 Resp: 4885184

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.2	21.4

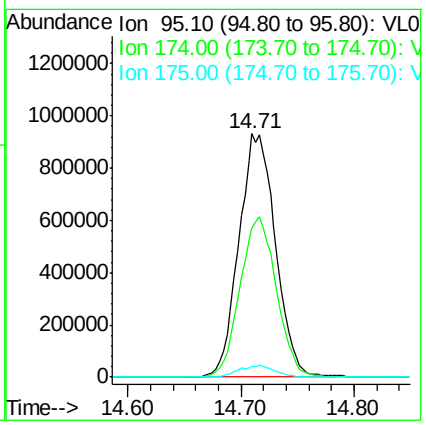


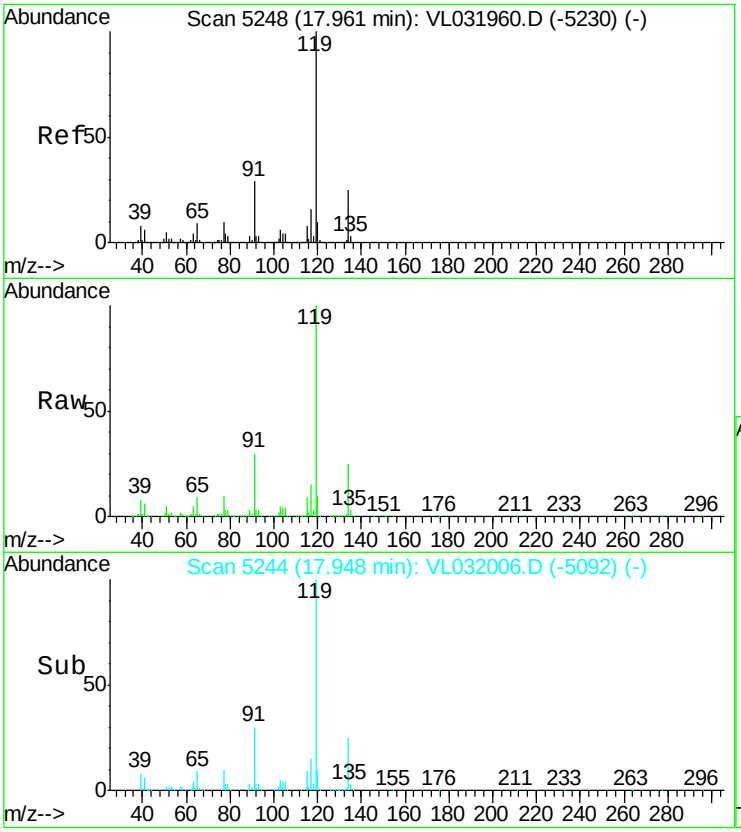


#68
1-Bromo-4-Fluorobenzene
Concen: 8.37 ppbv
RT: 14.71 min Scan# 4237
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 95 Resp: 2096935

Ion	Ratio	Lower	Upper
95	100		
174	65.6	53.0	79.6
175	4.8	3.9	5.9



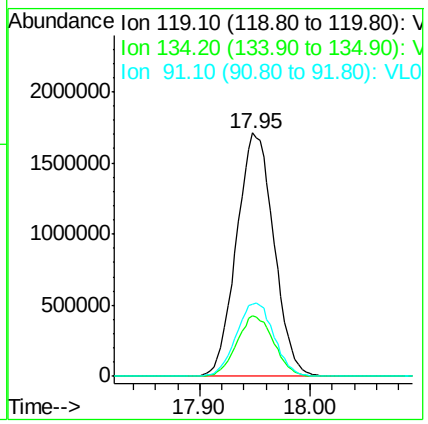


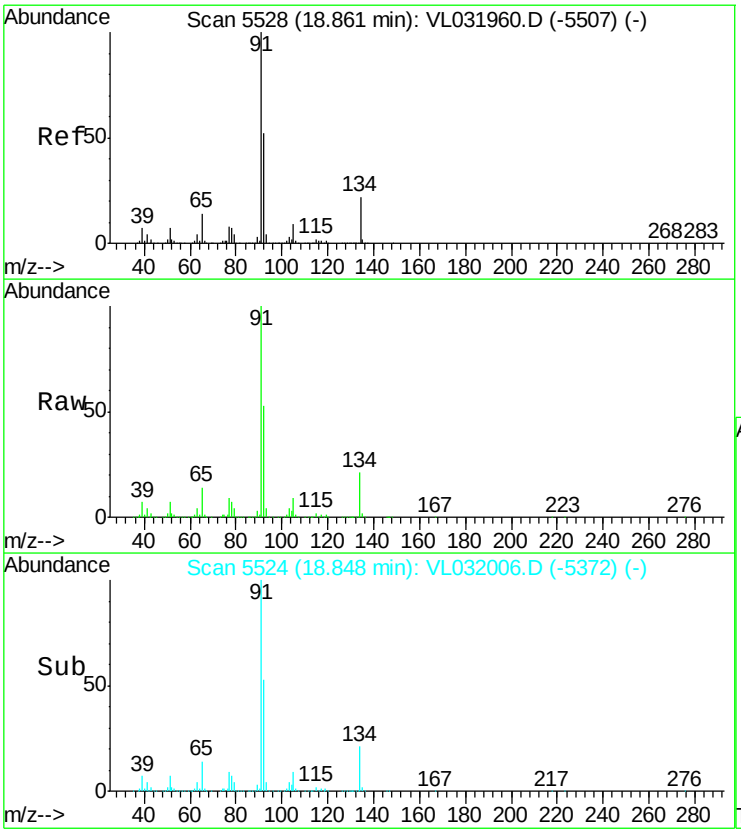
#69
p-Isopropyltoluene
Concen: 7.98 ppbv
RT: 17.95 min Scan# 5244
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:119 Resp: 3997895

Ion	Ratio	Lower	Upper
119	100		
134	24.8	19.8	29.8
91	30.6	23.8	35.6

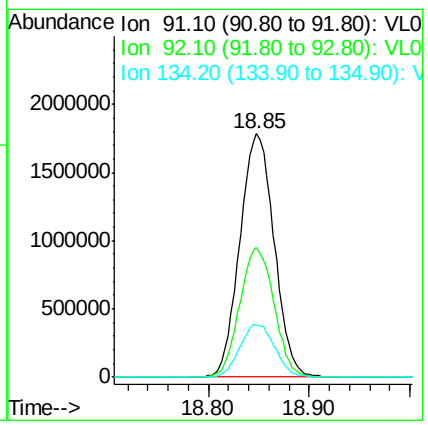


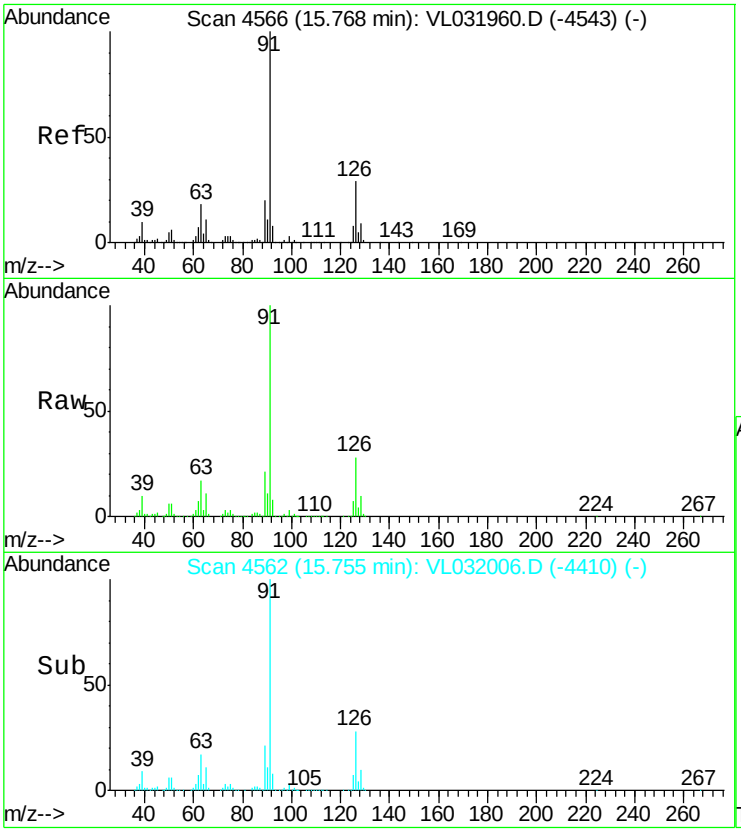


#70
n-Butylbenzene
Concen: 8.10 ppbv
RT: 18.85 min Scan# 5524
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion: 91 Resp: 4201178

Ion	Ratio	Lower	Upper
91	100		
92	53.1	41.8	62.8
134	22.0	17.6	26.4



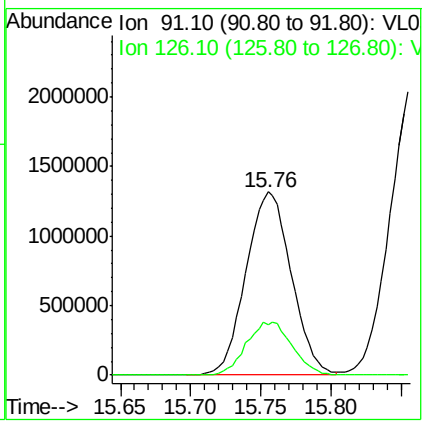


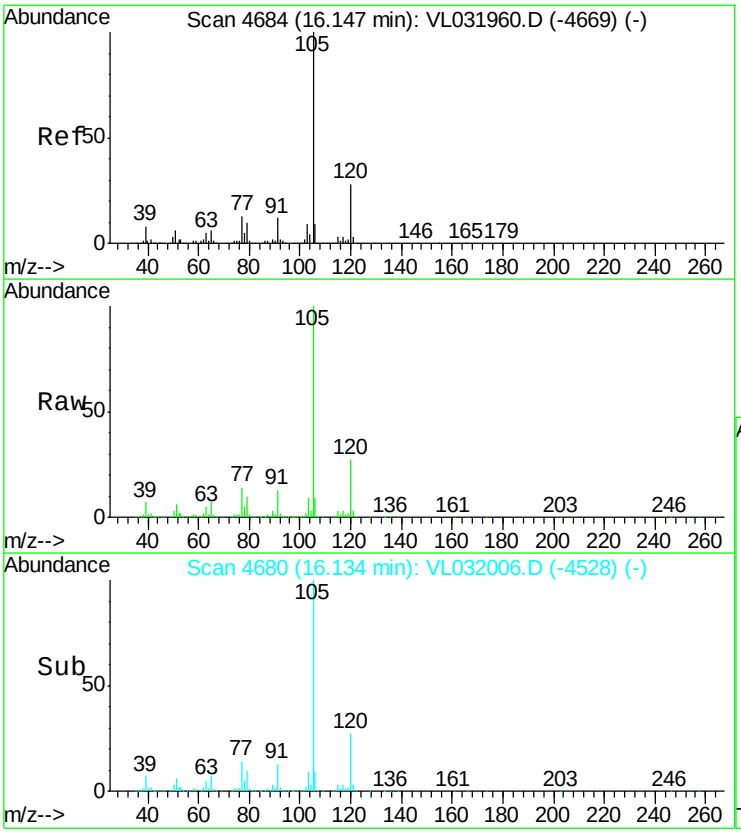
#71
2-Chlorotoluene
Concen: 8.01 ppbv
RT: 15.76 min Scan# 4562
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 91 Resp: 2952313

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.8	47.2

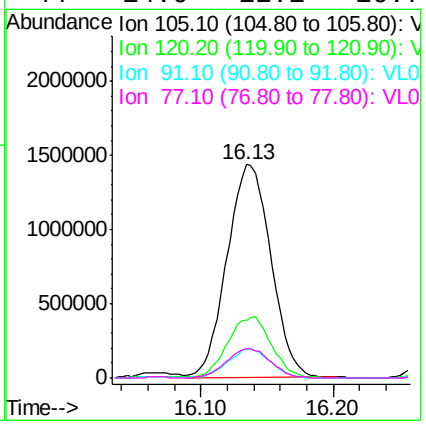


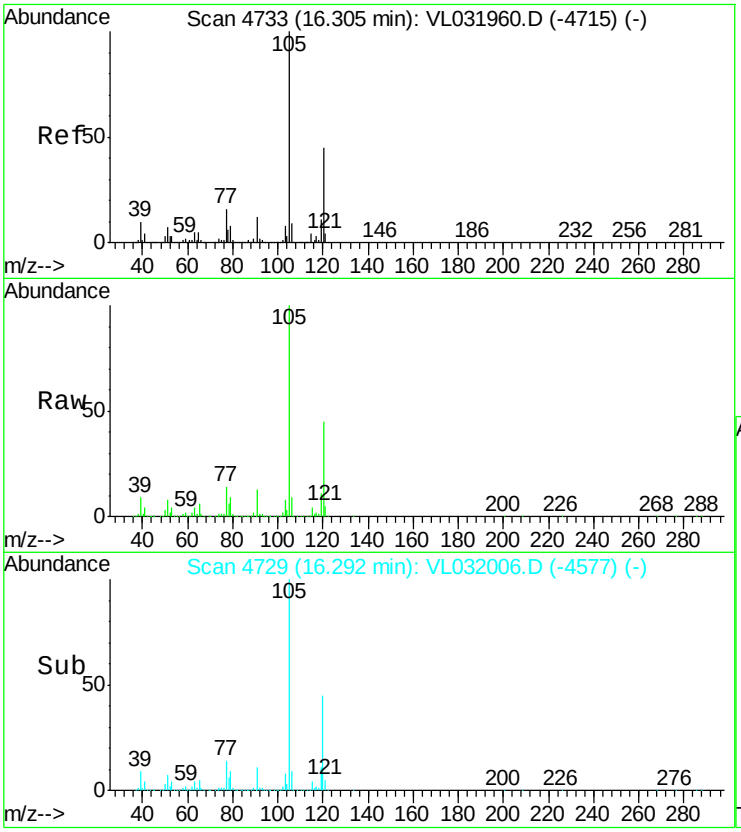


#72
4-Ethyltoluene
Concen: 8.25 ppbv
RT: 16.13 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:105 Resp: 3301079

Ion	Ratio	Lower	Upper
105	100		
120	29.4	22.6	33.8
91	13.5	10.5	15.7
77	14.0	11.1	16.7



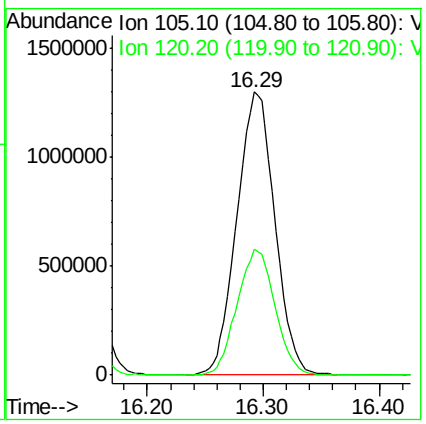


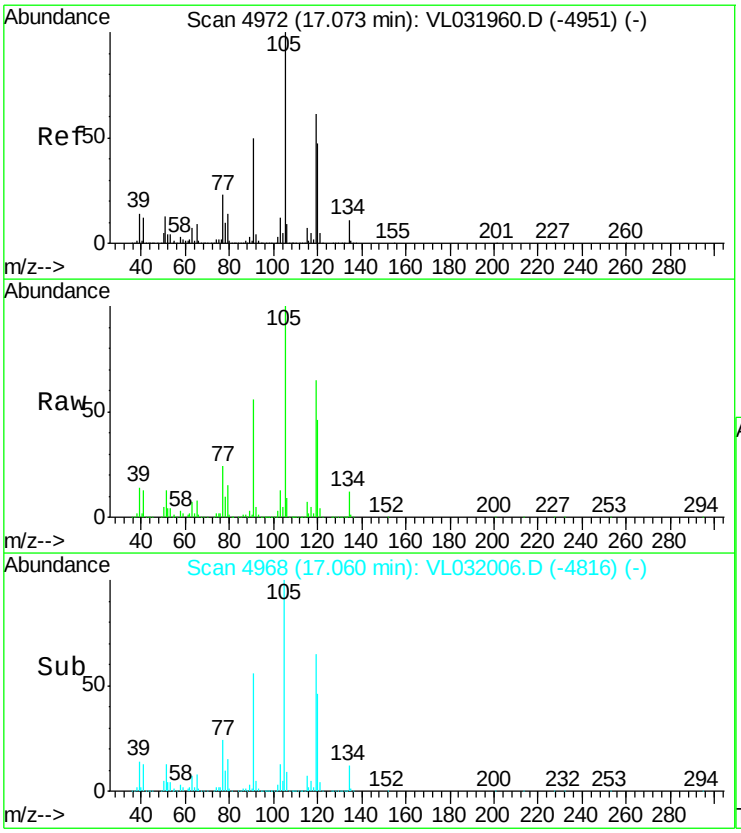
#73
1,3,5-Trimethylbenzene
Concen: 7.98 ppbv
RT: 16.29 min Scan# 4729
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:105 Resp: 2951979

Ion	Ratio	Lower	Upper
105	100		
120	44.7	36.0	54.0

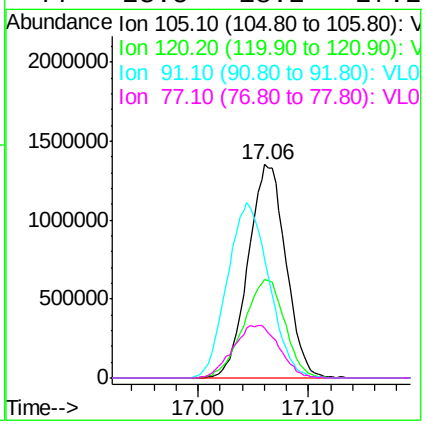


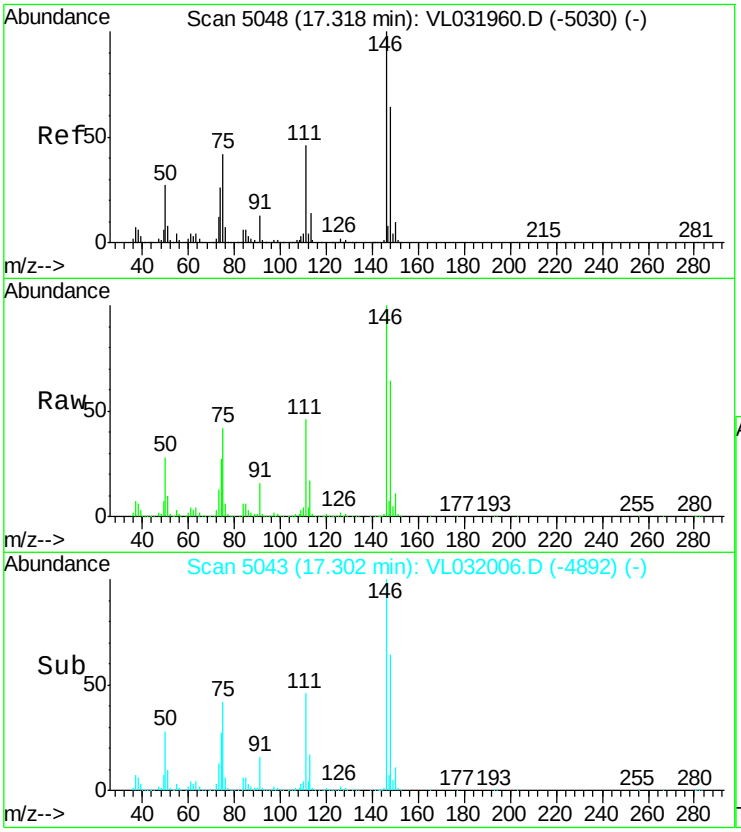


#74
1,2,4-Trimethylbenzene
Concen: 7.78 ppbv
RT: 17.06 min Scan# 4968
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:105 Resp: 3185070

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.8	56.6
91	55.7	40.5	60.7
77	23.5	18.2	27.2



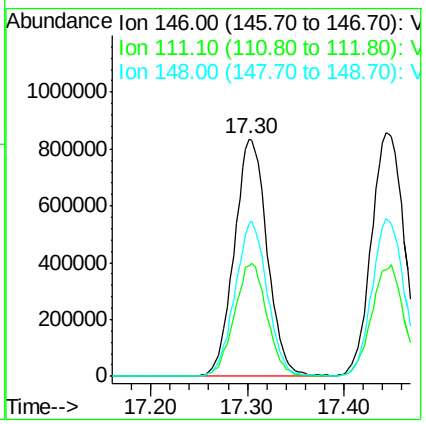


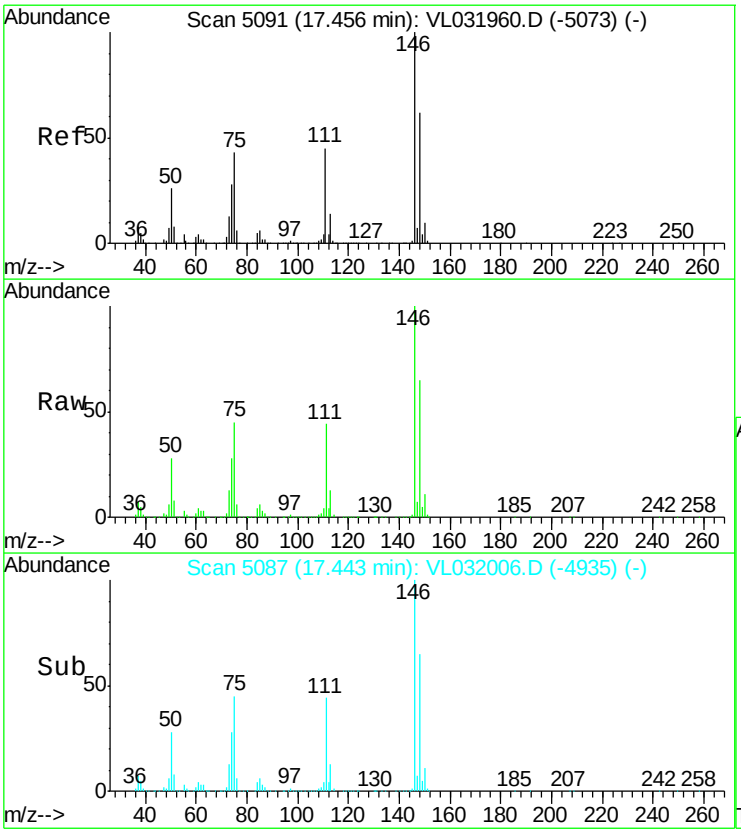
#75
1,3-Dichlorobenzene
Concen: 7.84 ppbv
RT: 17.30 min Scan# 5043
Delta R.T. -0.02 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:146 Resp: 1979338

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.5	70.5
148	64.1	32.3	96.8

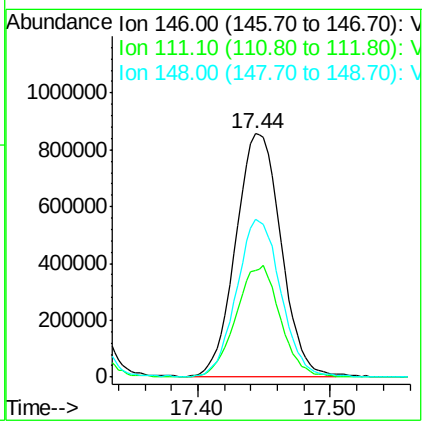


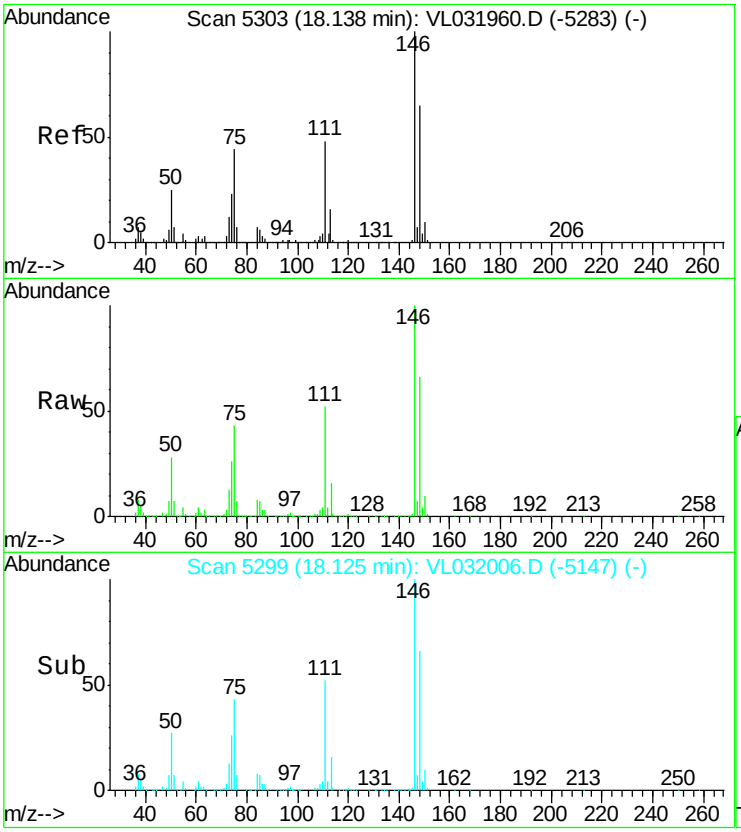


#76
1,4-Dichlorobenzene
Concen: 8.11 ppbv
RT: 17.44 min Scan# 5087
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:146 Resp: 2026424

Ion	Ratio	Lower	Upper
146	100		
111	45.0	23.0	69.0
148	63.6	32.4	97.2



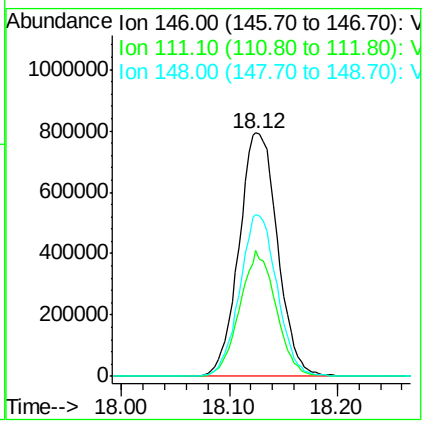


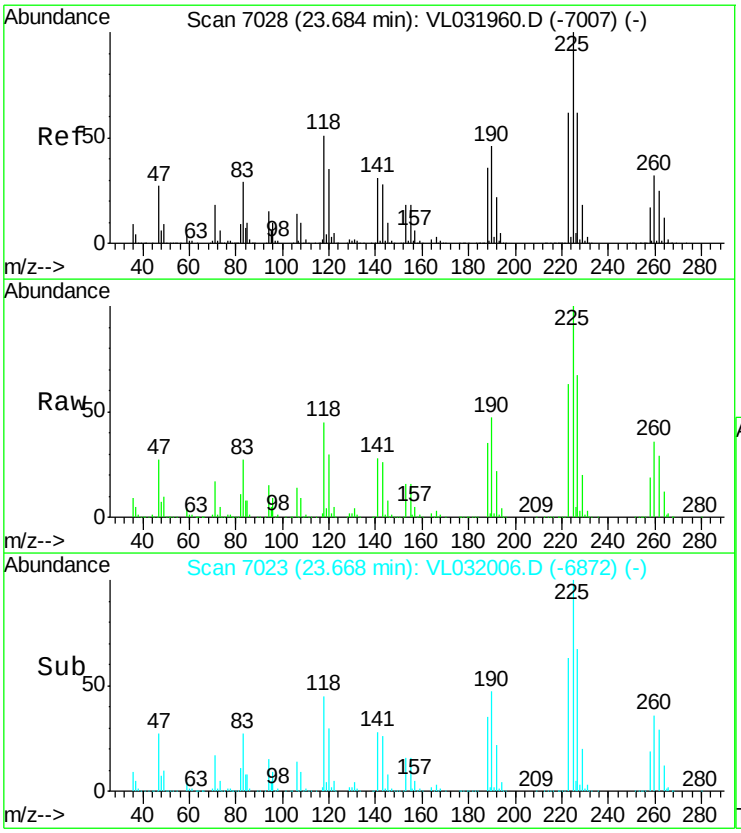
#77
1,2-Dichlorobenzene
Concen: 7.75 ppbv
RT: 18.12 min Scan# 5299
Delta R.T. -0.01 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:146 Resp: 1968514

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.2	72.6
148	64.5	32.0	96.2

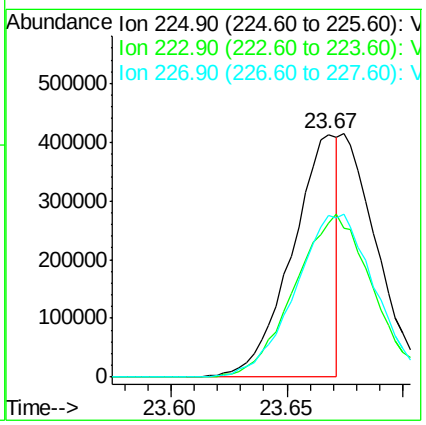


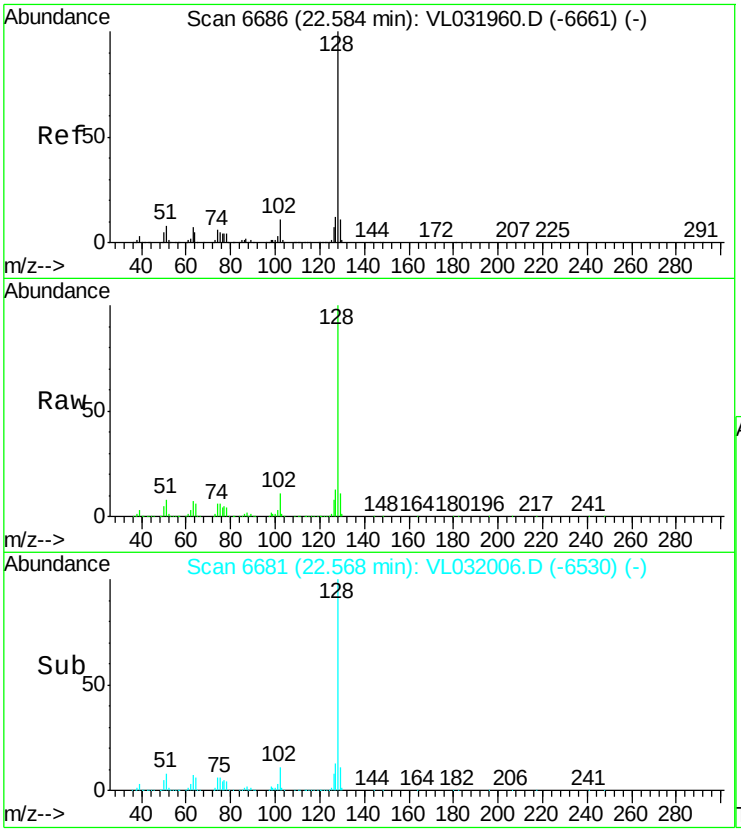


#78
Hexachloro-1,3-Butadiene
Concen: 4.85 ppbv
RT: 23.67 min Scan# 7023
Delta R.T. -0.02 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:225 Resp: 560497

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.8	76.2#
227	0.0	50.9	76.3#



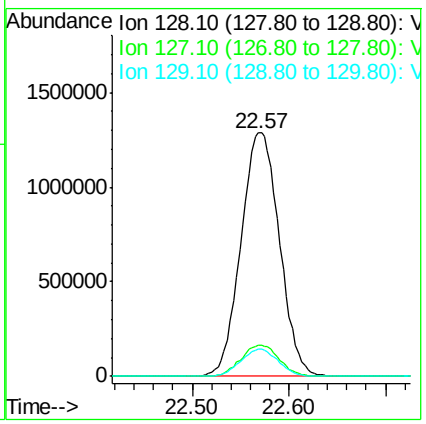


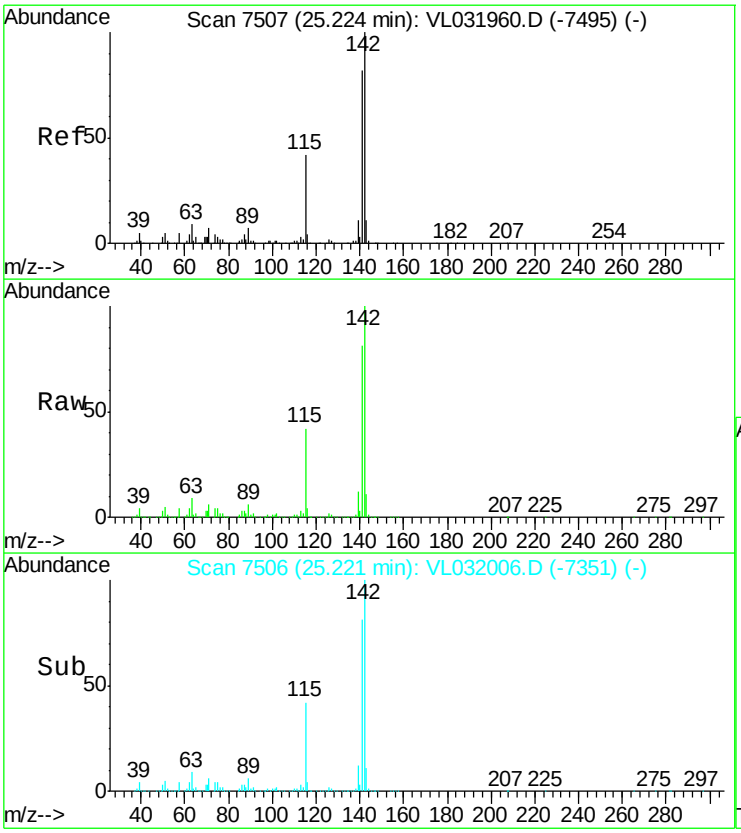
#79
Naphthalene
Concen: 12.46 ppbv
RT: 22.57 min Scan# 6681
Delta R.T. -0.02 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:128 Resp: 3549301

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	11.2	9.0	13.4

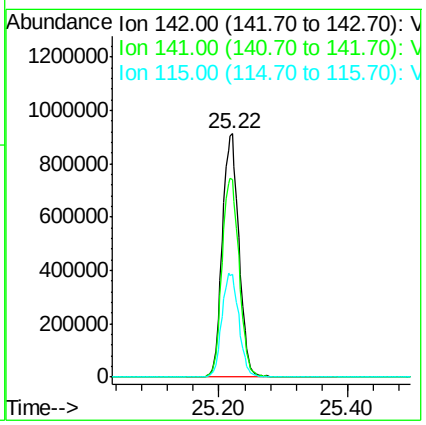


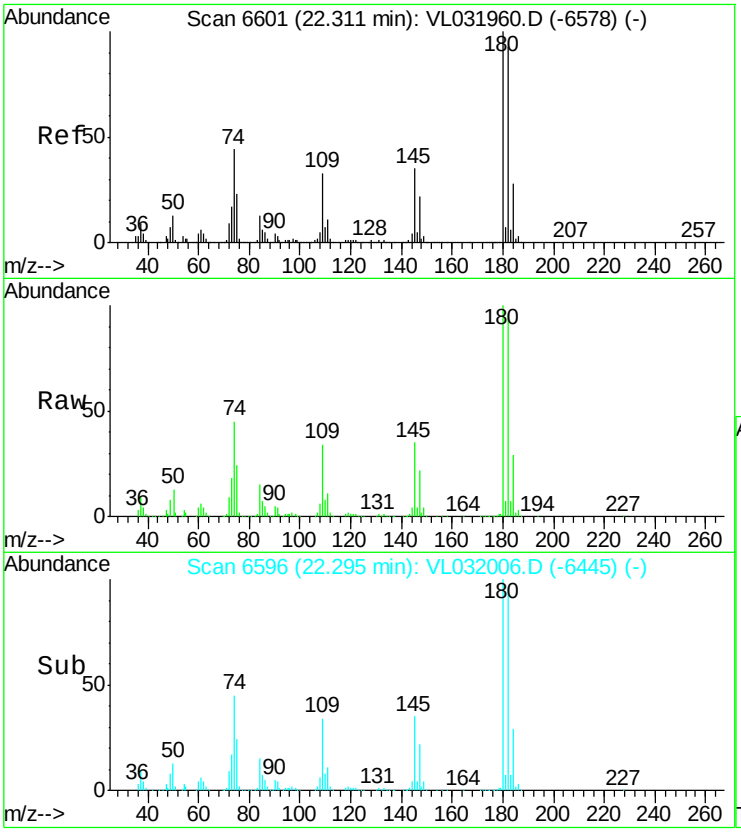


#80
Naphthalene,2-methyl-
Concen: 24.24 ppbv
RT: 25.22 min Scan# 7506
Delta R.T. -0.00 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Tgt Ion:142 Resp: 1646547

Ion	Ratio	Lower	Upper
142	100		
141	84.0	67.9	101.9
115	43.5	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 6.15 ppbv
RT: 22.29 min Scan# 6596
Delta R.T. -0.02 min
Lab File: VL032006.D
Acq: 16 May 2018 18:20

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:180 Resp: 970757

Ion	Ratio	Lower	Upper
180	100		
182	172.8	76.6	114.8#
184	0.0	24.0	36.0#