Data Path : W:\HPCHEM1\MSVOA_L\Data\VL051618\

Quantitation Report (Not Reviewed)

Data File : VL032013.D
Acq On : 17 May 2018 9:31
Operator : SY/AP
Sample : VL0516ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Quant Time: May 17 14:28:56 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	1299585	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.41	114	2496258	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.38	117	3161997	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.71	95	2009132	8.19	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.15	85	977503	5.69	ppbv		97
3) Chlorodifluoromethane	3.09	51	1151879	9.42	ppbv		97
4) Chloromethane	3.25	50	588390	9.13	ppbv		100
5) Vinyl Chloride	3.37	62	652420	8.97	ppbv		99
6) Bromomethane	3.60	94	447650	9.46	ppbv		96
7) Chloroethane	3.69	64	260572	9.42	ppbv	#	88
8) Dichlorotetrafluoroethane	3.30	85	1524059	8.92	ppbv		98
9) Propene	3.11	41	429509	9.59	ppbv		99
10) Heptane	8.37	43	1447391	9.39	ppbv		98
11) Trichlorofluoromethane	4.10	101	1933336	9.33	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1446325	9.91	ppbv		97
13) Ethanol	3.73	45	121979	7.29	ppbv	#	100
14) Bromoethene	3.88	108	524454	9.72	ppbv		97
15) Acetone	3.99	43	1461372	7.95	ppbv		99
16) 1,3-Butadiene	3.44	39	585983	9.92	ppbv		98
17) tert-Butyl alcohol	4.45	59	698005	9.19	ppbv		99
18) 1,1-Dichloroethene	4.45	96	563898	8.81	ppbv		87
19) Isopropyl Alcohol	4.12	45	857206	8.63	ppbv		100
20) Methylene Chloride	4.50	84	557945	9.00	ppbv		99
21) Allyl Chloride	4.58	41	867657	8.28	ppbv		97
22) trans-1,2-Dichloroethene	5.07	96	668489	9.41	ppbv		93
23) Vinyl Acetate	5.26	43	1845803	8.79	ppbv		98
24) 1,1-Dichloroethane	5.20	63	1697207	8.66	ppbv		99
25) Ethyl Acetate	5.88	43	2885763	9.15	ppbv		100
26) Hexane	5.89	57	1363061	9.19	ppbv		99
27) Carbon Disulfide	4.72	76	1854301	11.16	ppbv		99
28) Methyl tert-Butyl Ether	5.22	73	1633506	8.96	ppbv		99
29) Chloroform	5.96	83	2220194	9.47	ppbv		99
30) Cyclohexane	7.37	84	901784	9.13	ppbv		98
31) cis-1,2-Dichloroethene	5.75	61	1280012	9.44	ppbv		98
32) 1,1,1-Trichloroethane	6.74	97	1875230	8.67	ppbv		99
34) 2-Butanone	5.43	43	1843699	8.95	ppbv		100
35) Carbon Tetrachloride	7.26	117	1949214	9.85	ppbv		97
36) Benzene	7.13	78	2210638	9.40	ppbv		99
37) 1,2-Dichloroethane	6.53	62	1787805	10.58	ppbv		98
38) Trichloroethene	8.09	130	907012	10.16	ppbv		99
39) 1,2-Dichloropropane	7.86	63	794667	9.71	ppbv		97
40) 1,4-Dioxane	8.08	88	356424	9.66	ppbv		93
41) Tetrahydrofuran	6.26	42	964389	10.75	ppbv		98
42) Bromodichloromethane	8.04	83	1919371	10.19	ppbv		98
43) Methyl Methacrylate	8.26	69	814970	10.28	ppbv		98

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL051618\

Quantitation Report (Not Reviewed)

Data File : VL032013.D
Acq On : 17 May 2018 9:31
Operator : SY/AP
Sample : VL0516ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Quant Time: May 17 14:28:56 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	3773476	9.95	ppbv		100
45) t-1,3-Dichloropropene	9.55	75	1187136	11.30	ppbv		98
46) cis-1,3-Dichloropropene	8.96	75	1458197	11.24	ppbv		99
47) 1,1,2-Trichloroethane	9.75	97	959616	9.91	ppbv		97
48) Dibromochloromethane	10.59	129	1673057	10.77	ppbv		99
49) Bromoform	13.34	173	1342775	11.15	ppbv		99
50) 4-Methyl-2-Pentanone	9.00	43	1998205	10.27	ppbv		99
51) 2-Hexanone	10.40	43	1908266	10.78	ppbv	#	99
52) Tetrachloroethene	11.51	164	850022	9.76	ppbv		96
53) Toluene	10.08	91	2674915	10.55	ppbv		100
54) 1,2-Dibromoethane	10.90	107	1465946	10.16	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.41	131	1158081	8.04	ppbv		99
57) Chlorobenzene	12.44	112	2084552	7.64	ppbv		99
58) Ethyl Benzene	13.00	91	3752038	8.28	ppbv		99
59) m/p-Xylene	13.28	91	2823556	7.35	ppbv	#	18
60) o-Xylene	13.99	91	3202538	8.31	ppbv		100
61) Styrene	13.82	104	721489	9.23	ppbv		100
62) Isopropylbenzene	14.96	105	3974010	8.07	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.97	83	2125832	7.76	ppbv		100
64) n-propylbenzene	15.86	120	987799	7.99	ppbv		98
65) tert-Butylbenzene	17.05	119	3511941	7.99	ppbv		100
66) Benzyl Chloride	17.30	91	340958	8.54	ppbv		99
67) sec-Butylbenzene	17.59	105	4963769	8.14	ppbv		100
69) p-Isopropyltoluene	17.95	119	4022713	8.20	ppbv		99
70) n-Butylbenzene	18.85	91	4201975	8.28	ppbv		99
71) 2-Chlorotoluene	15.76	91	2966257	8.22	ppbv		100
72) 4-Ethyltoluene	16.14	105	3267700	8.35	ppbv		99
73) 1,3,5-Trimethylbenzene	16.29	105	2996517	8.28	ppbv		99
74) 1,2,4-Trimethylbenzene	17.06	105	3188524	7.96	ppbv		97
75) 1,3-Dichlorobenzene	17.30	146	1960164	7.94	ppbv		100
76) 1,4-Dichlorobenzene	17.45	146	1980023	8.10	ppbv		99
77) 1,2-Dichlorobenzene	18.13	146	1984326	7.98	ppbv		98
78) Hexachloro-1,3-Butadiene	23.67	225	674637	5.97	ppbv		99
79) Naphthalene	22.57	128	2263625	8.12	ppbv		98
80) Naphthalene,2-methyl-	25.22	142	647606	9.74	ppbv		98
81) 1,2,4-Trichlorobenzene	22.30	180	1194108	7.73	ppbv		100

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

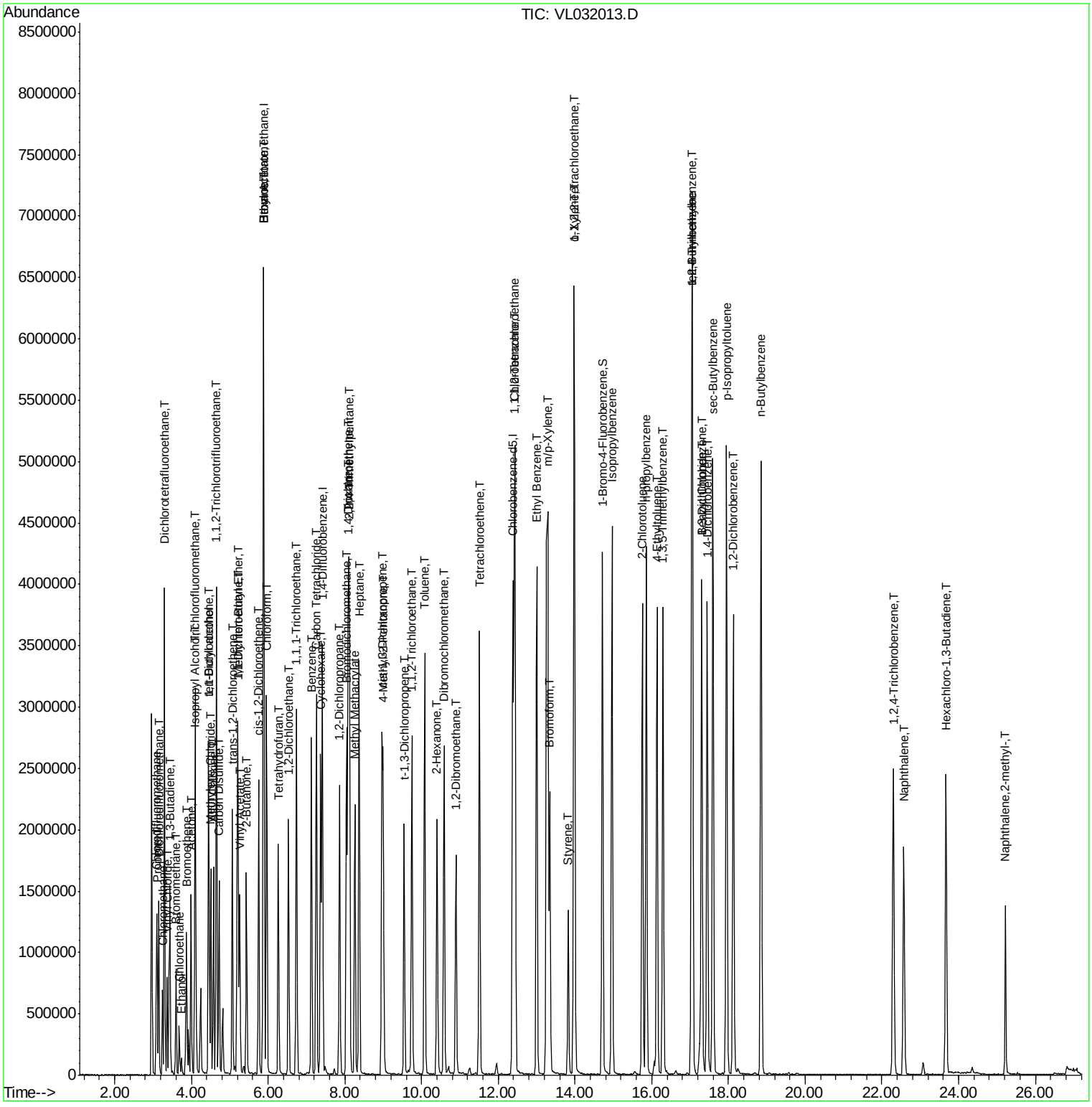
Data Path : W:\HPCHEM1\MSVOA_L\Data\VL051618\

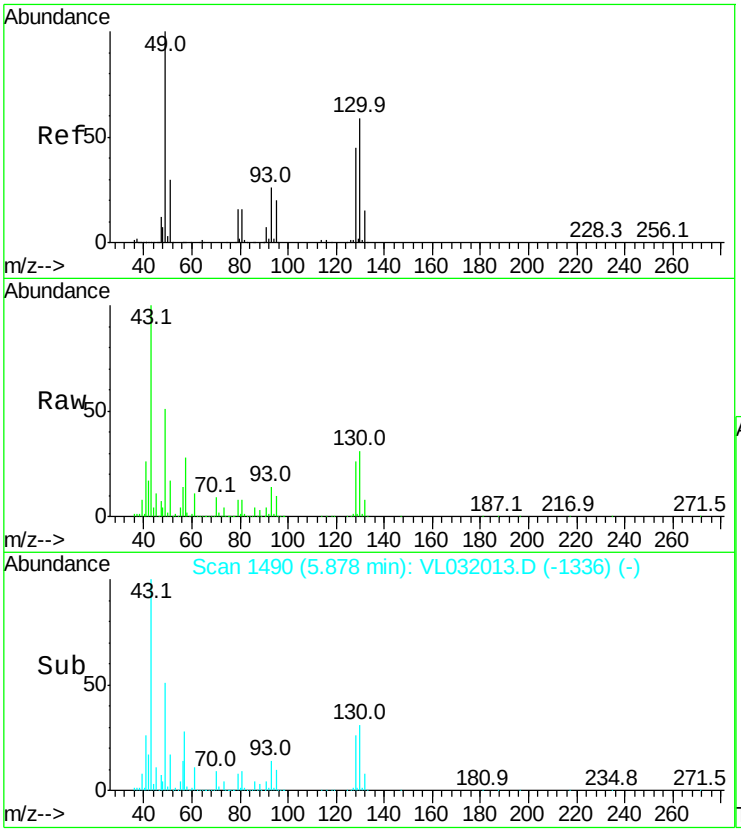
Quantitation Report (Not Reviewed)

Data File : VL032013.D
Acq On : 17 May 2018 9:31
Operator : SY/AP
Sample : VL0516ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Quant Time: May 17 14:28:56 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



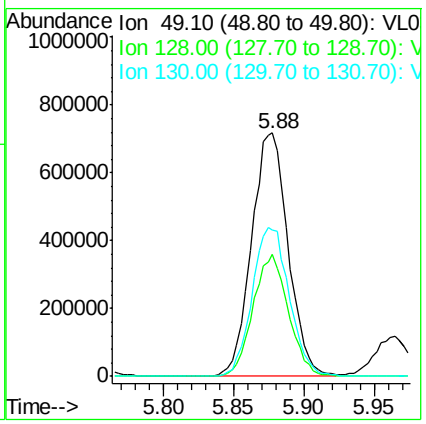


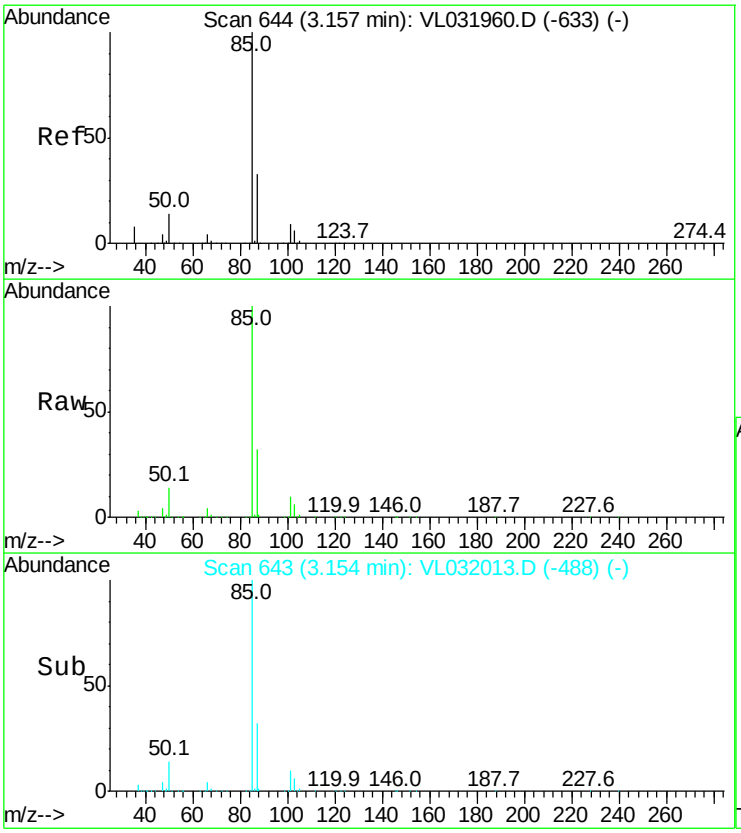
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 49 Resp: 1299585

Ion	Ratio	Lower	Upper
49	100		
128	48.4	24.1	72.3
130	62.5	30.7	92.1

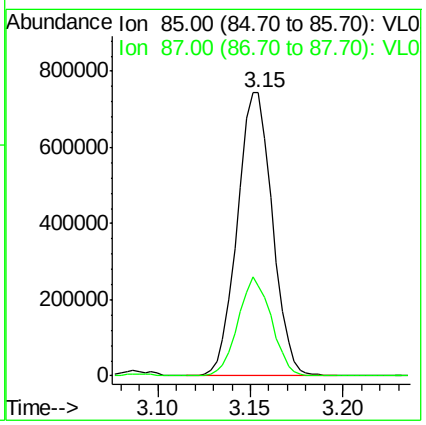


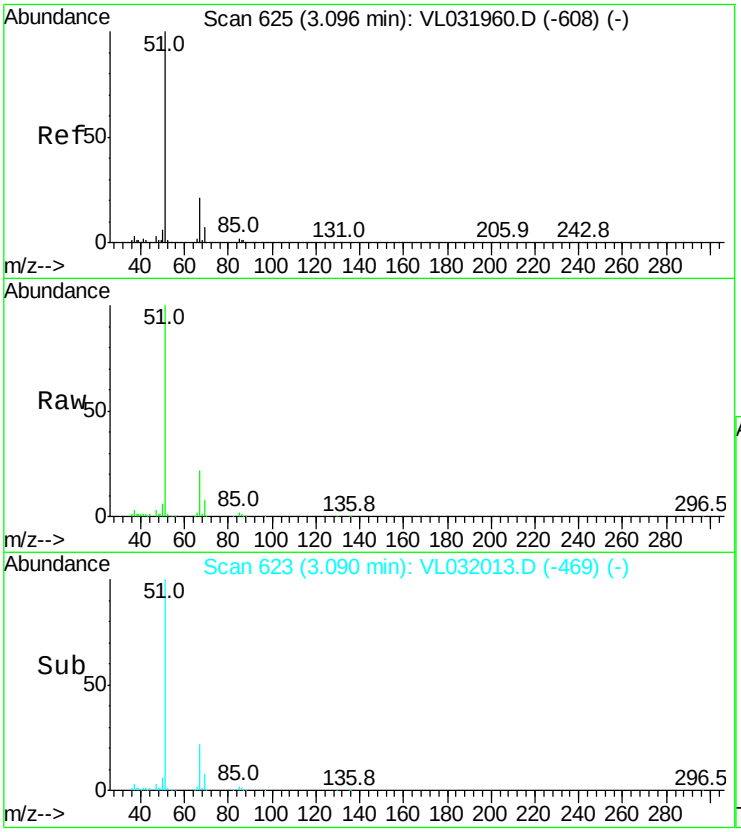


#2
Dichlorodifluoromethane
Concen: 5.69 ppbv
RT: 3.15 min Scan# 643
Delta R.T. -0.00 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 85 Resp: 977503

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.8	40.2



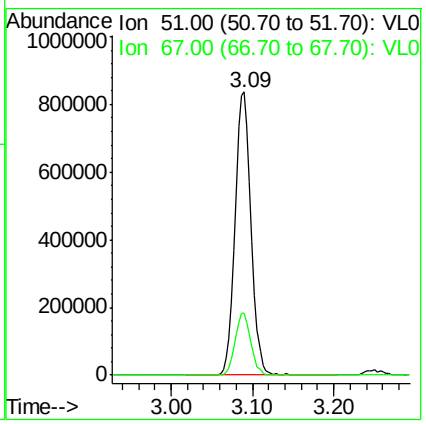


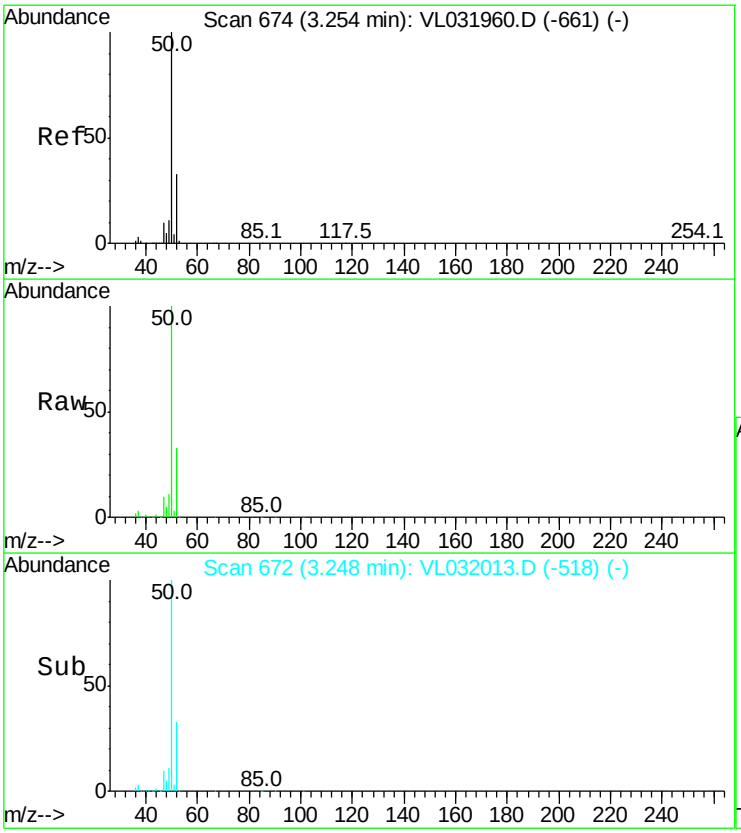
#3
Chlorodifluoromethane
Concen: 9.42 ppbv
RT: 3.09 min Scan# 623
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 51 Resp: 1151879

Ion	Ratio	Lower	Upper
51	100		
67	21.5	15.9	23.9

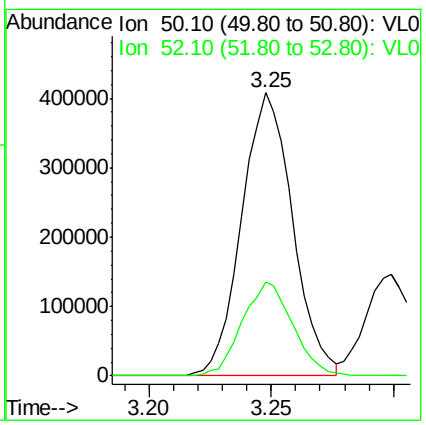


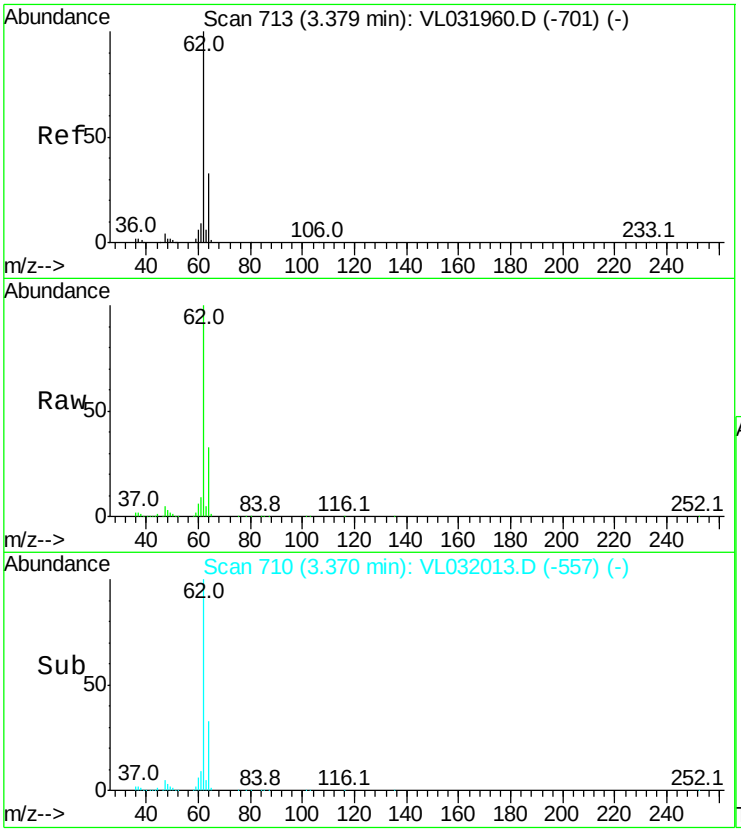


#4
Chloromethane
Concen: 9.13 ppbv
RT: 3.25 min Scan# 672
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 50 Resp: 588390

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.6	39.8



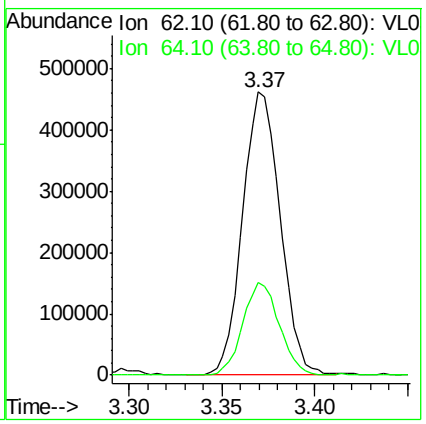


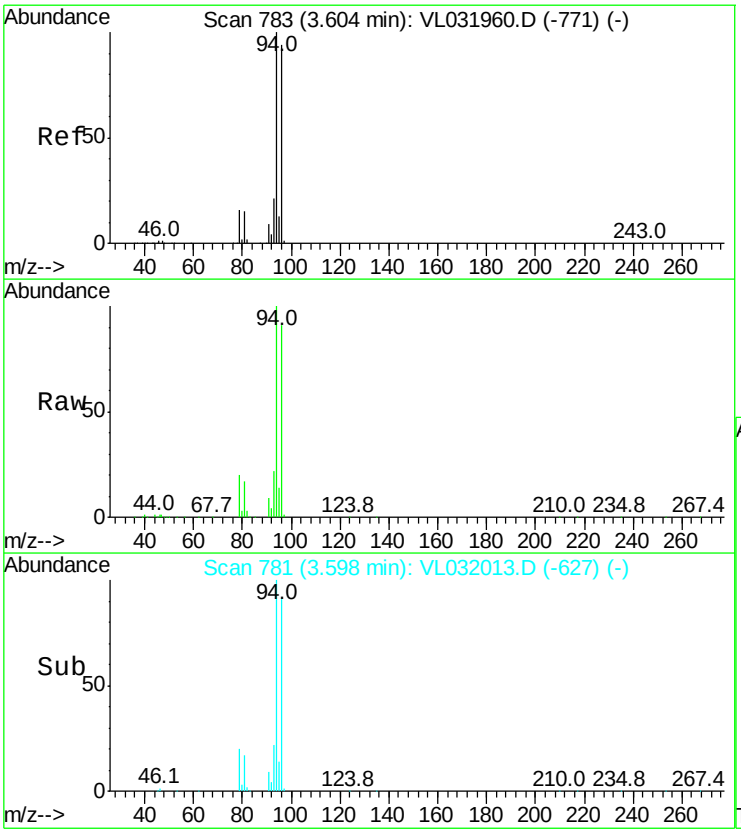
#5
Vinyl Chloride
Concen: 8.97 ppbv
RT: 3.37 min Scan# 710
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 62 Resp: 652420

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.6	39.8

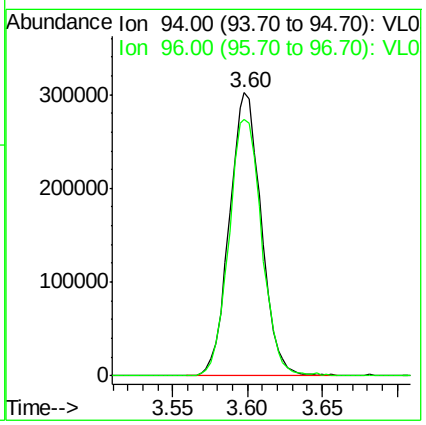


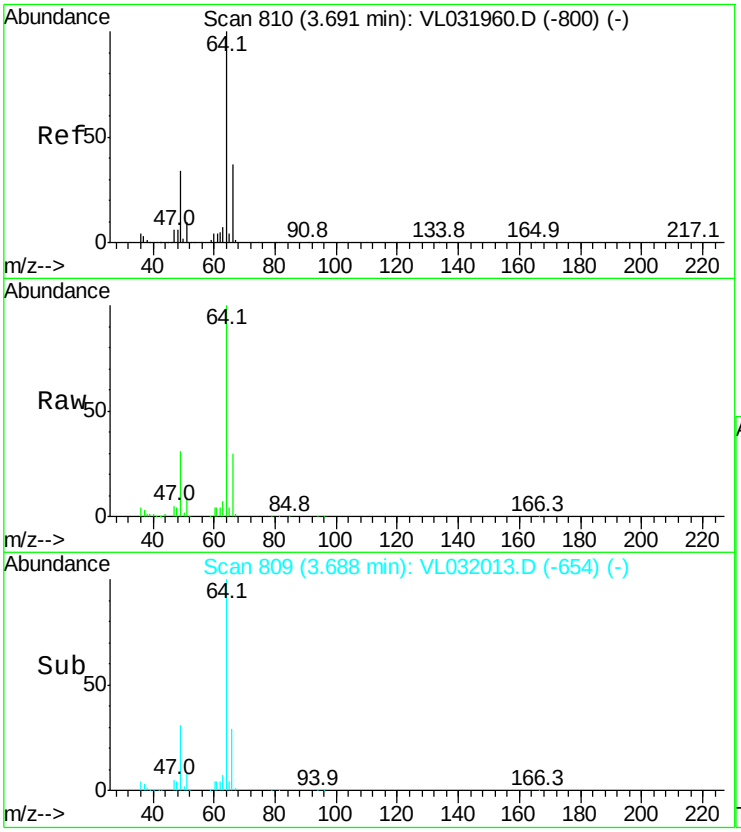


#6
Bromomethane
Concen: 9.46 ppbv
RT: 3.60 min Scan# 781
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 94 Resp: 447650

Ion	Ratio	Lower	Upper
94	100		
96	90.8	75.5	113.3



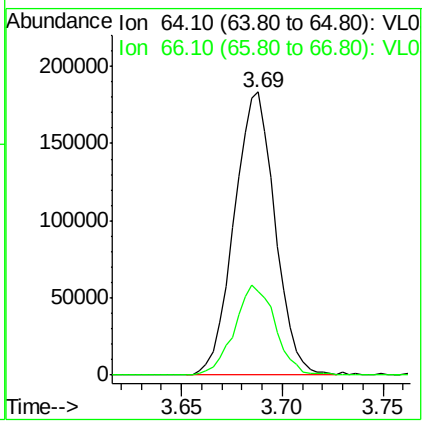


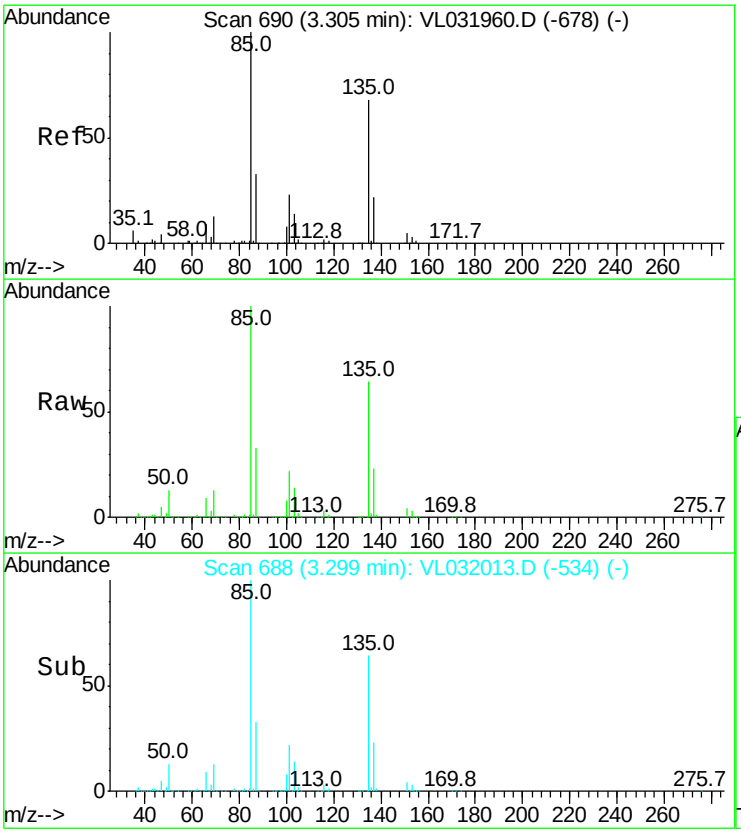
#7
Chloroethane
Concen: 9.42 ppbv
RT: 3.69 min Scan# 809
Delta R.T. -0.00 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 64 Resp: 260572

Ion	Ratio	Lower	Upper
64	100		
66	29.6	29.6	44.4#

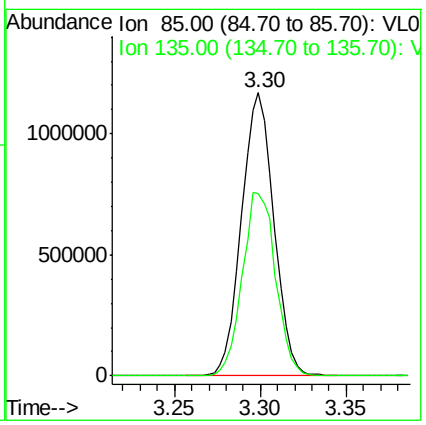


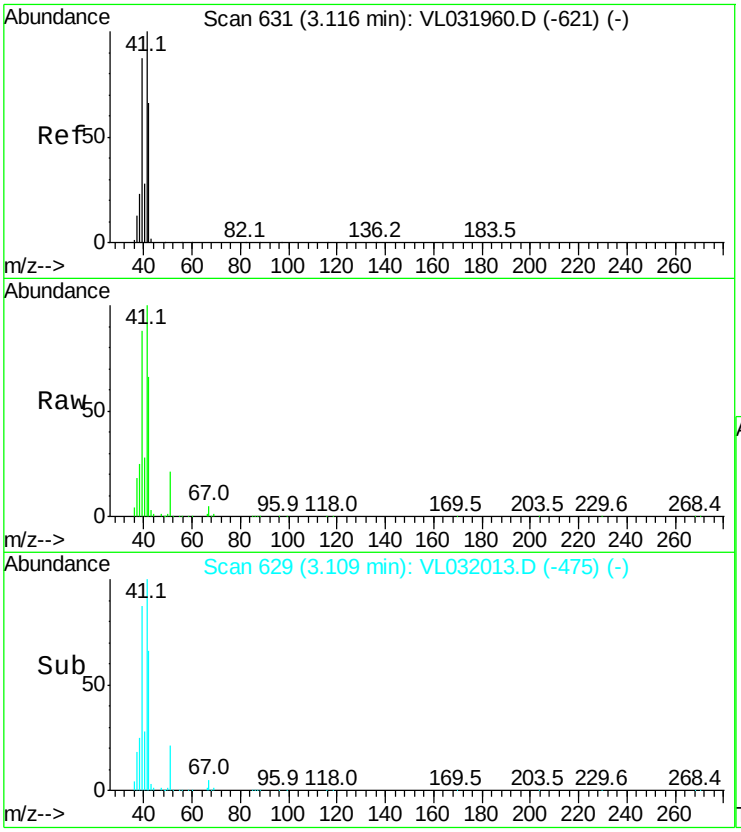


#8
Dichlorotetrafluoroethane
Concen: 8.92 ppbv
RT: 3.30 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 85 Resp: 1524059

Ion	Ratio	Lower	Upper
85	100		
135	66.8	54.8	82.2



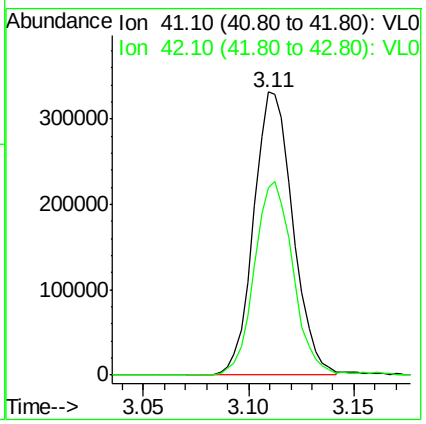


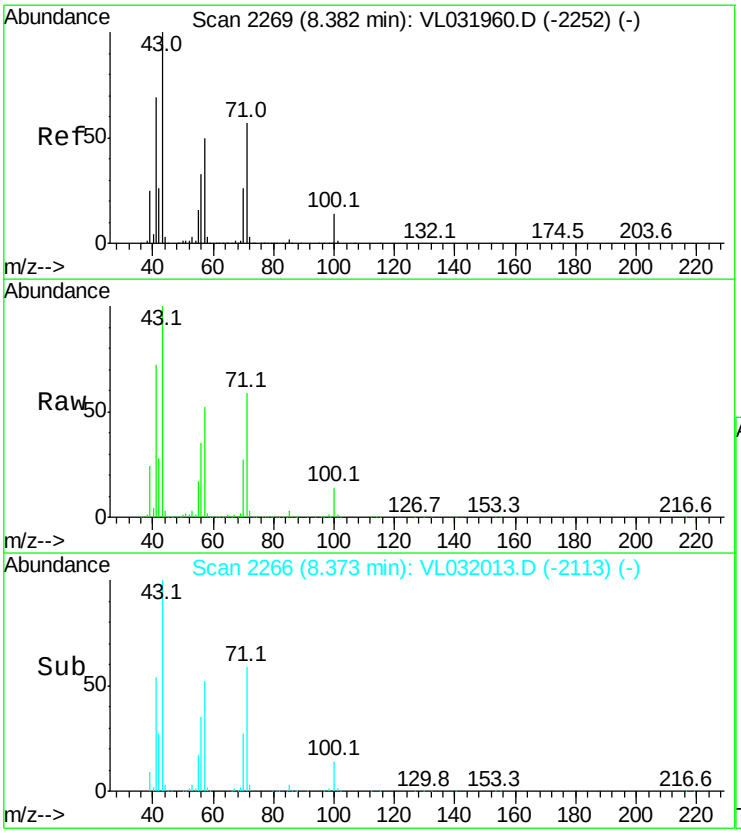
#9
Propene
Concen: 9.59 ppbv
RT: 3.11 min Scan# 629
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 41 Resp: 429509

Ion	Ratio	Lower	Upper
41	100		
42	68.1	53.9	80.9

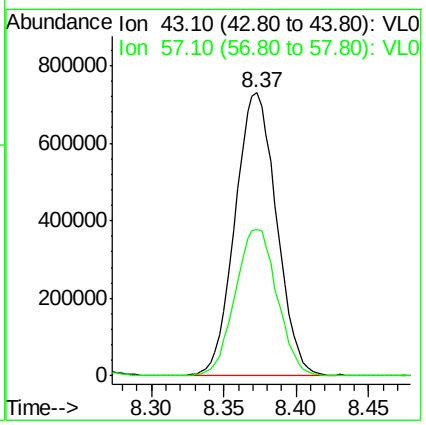


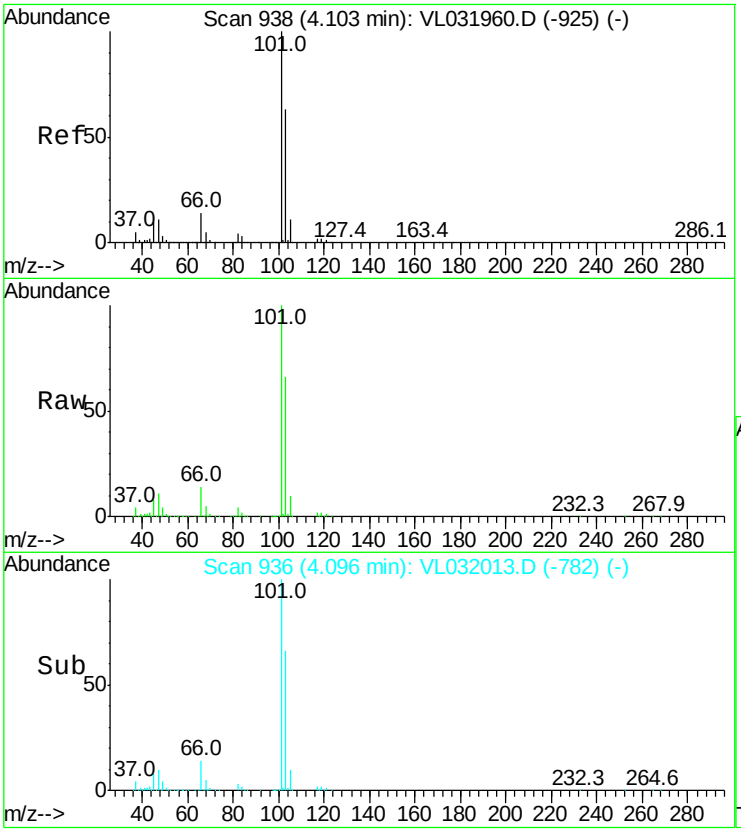


#10
Heptane
Concen: 9.39 ppbv
RT: 8.37 min Scan# 2266
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 43 Resp: 1447391

Ion	Ratio	Lower	Upper
43	100		
57	52.5	40.7	61.1



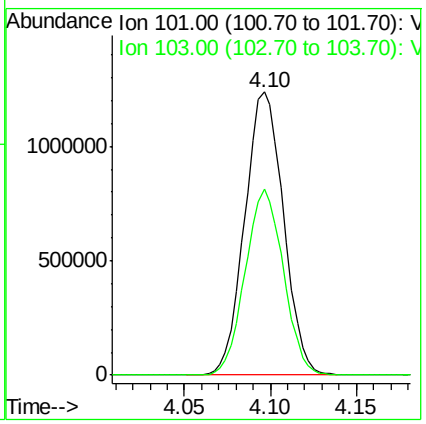


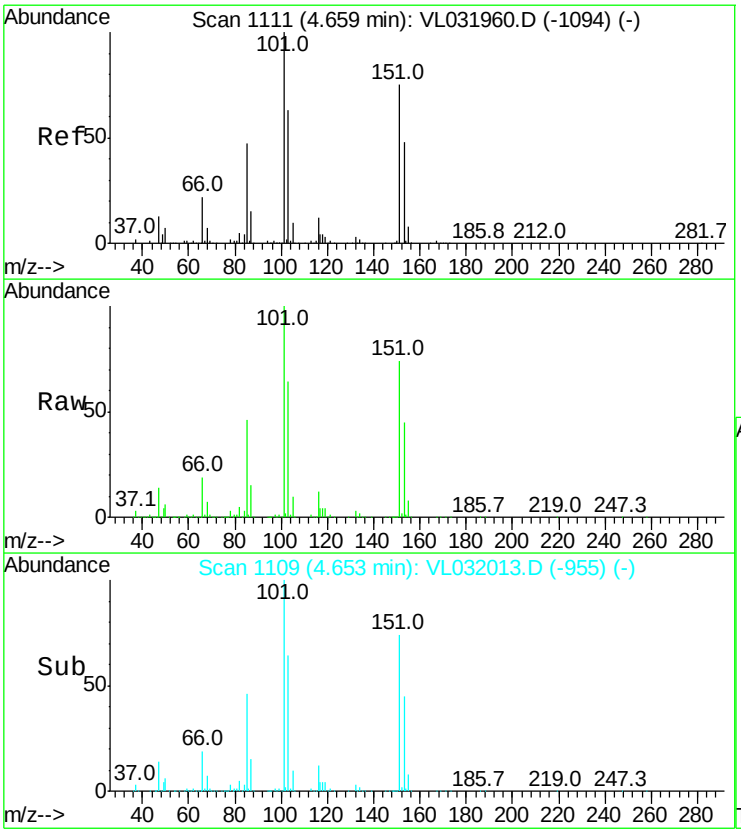
#11
Trichlorofluoromethane
Concen: 9.33 ppbv
RT: 4.10 min Scan# 936
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:101 Resp: 1933336

Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1

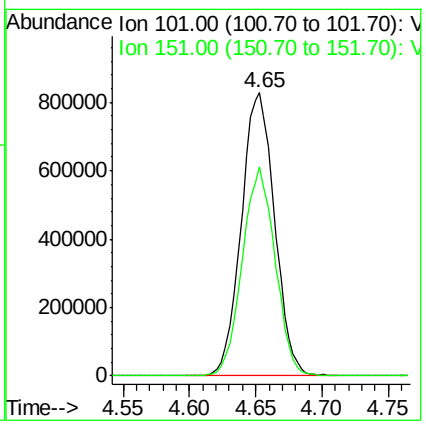


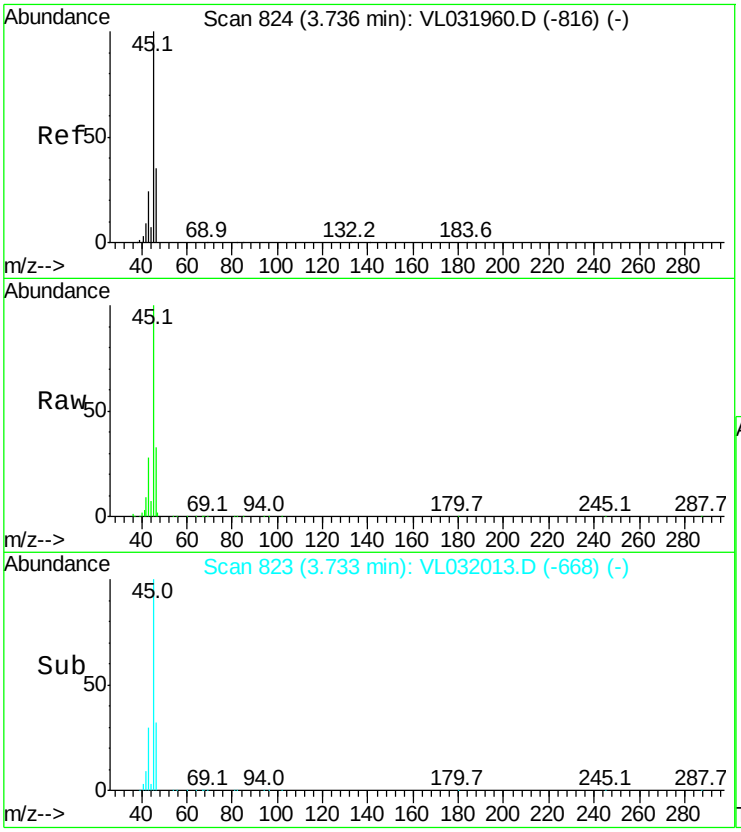


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.91 ppbv
RT: 4.65 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:101 Resp: 1446325

Ion	Ratio	Lower	Upper
101	100		
151	72.7	60.2	90.2



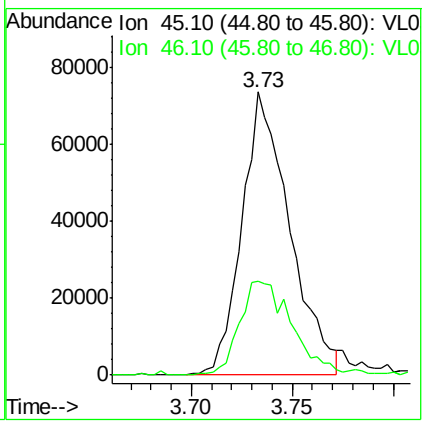


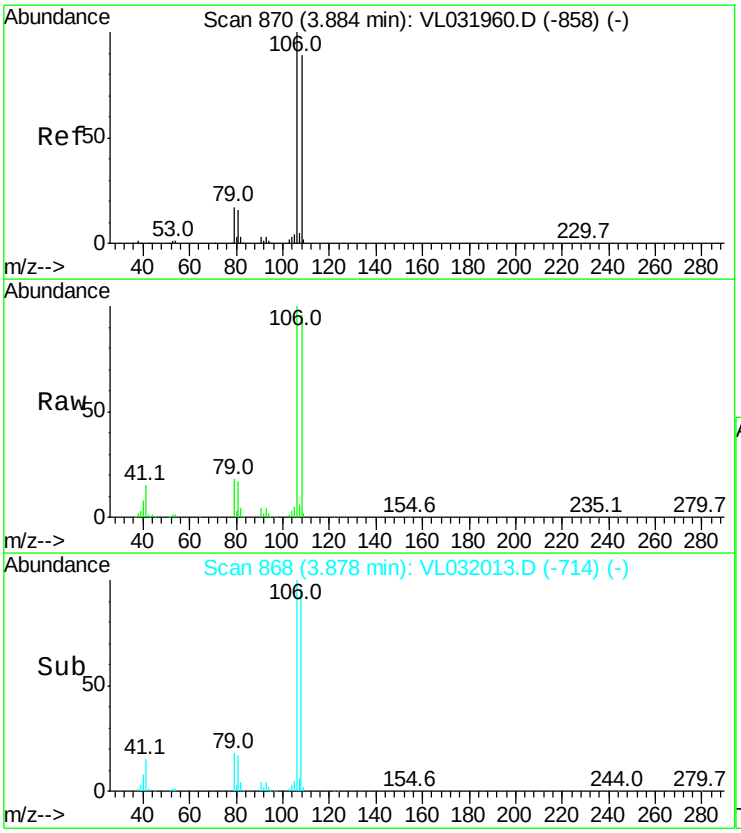
#13
Ethanol
Concen: 7.29 ppbv
RT: 3.73 min Scan# 823
Delta R.T. -0.00 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 45 Resp: 121979

Ion	Ratio	Lower	Upper
45	100		
46	36.4	0.0	0.0#

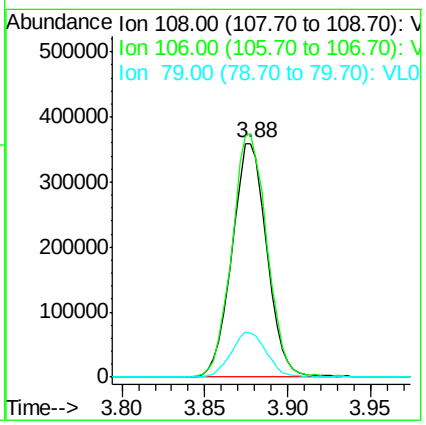


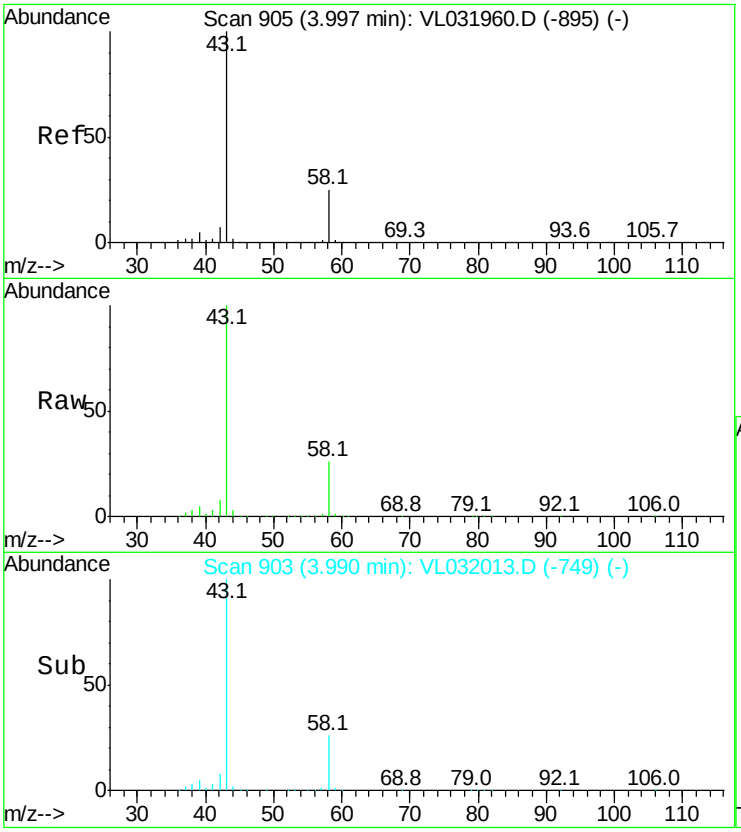


#14
Bromoethene
Concen: 9.72 ppbv
RT: 3.88 min Scan# 868
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:108 Resp: 524454

Ion	Ratio	Lower	Upper
108	100		
106	105.6	86.8	130.2
79	20.0	14.7	22.1



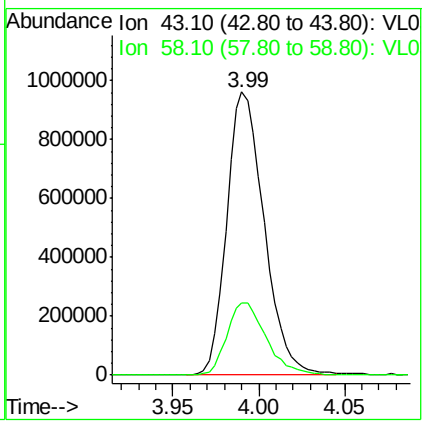


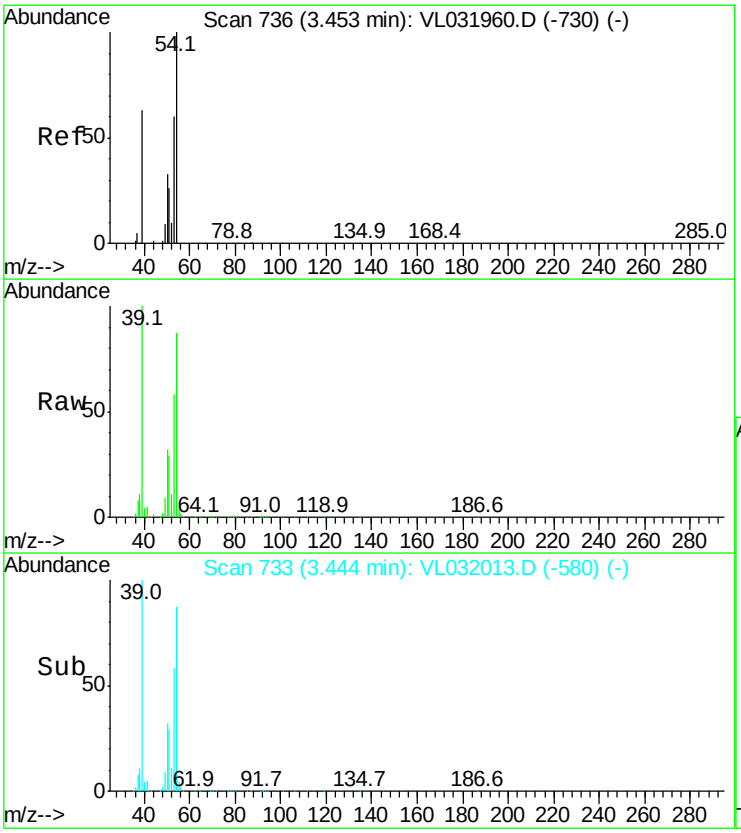
#15
Acetone
Concen: 7.95 ppbv
RT: 3.99 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 43 Resp: 1461372

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.1	31.7

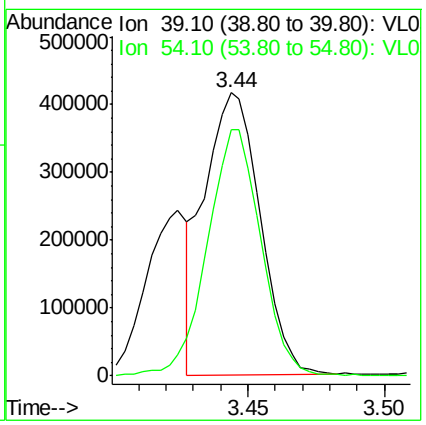


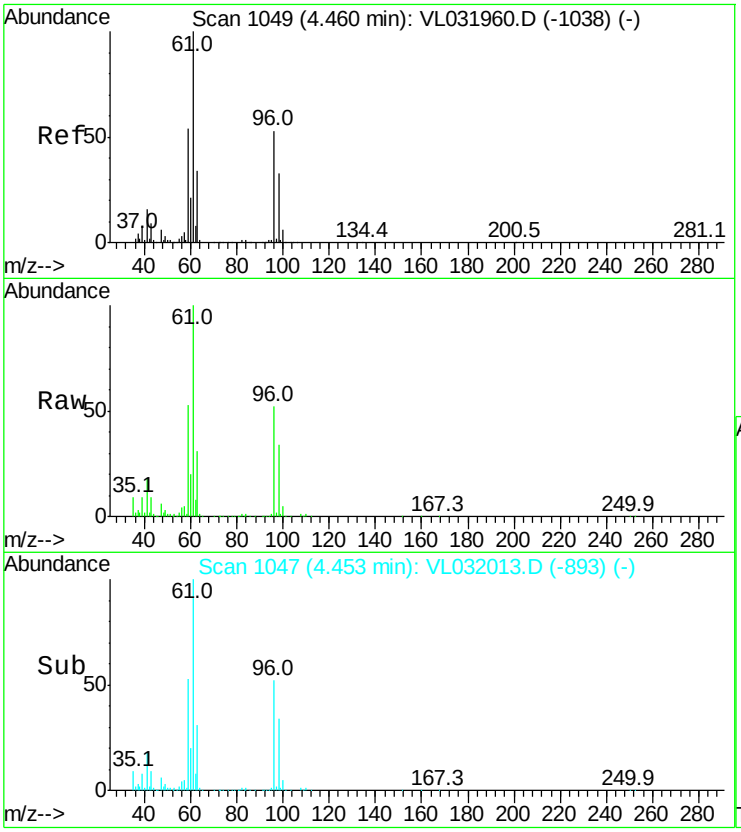


#16
1,3-Butadiene
Concen: 9.92 ppbv
RT: 3.44 min Scan# 733
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 39 Resp: 585983

Ion	Ratio	Lower	Upper
39	100		
54	84.9	66.2	99.2



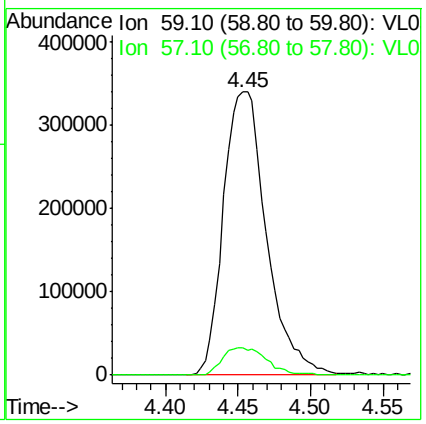


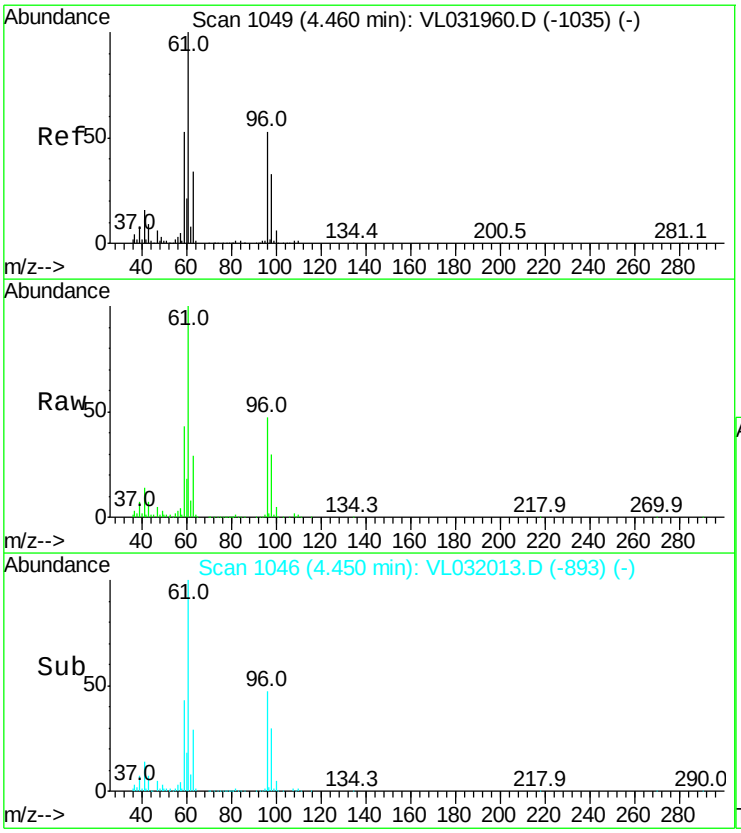
#17
tert-Butyl alcohol
Concen: 9.19 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 59 Resp: 698005

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

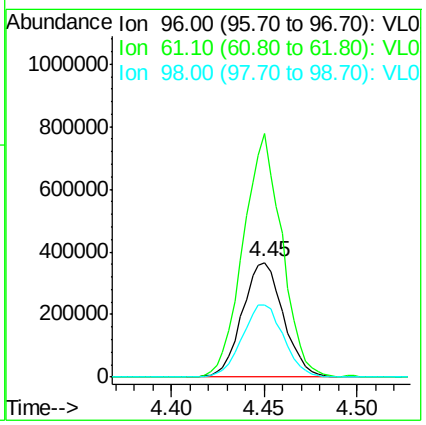


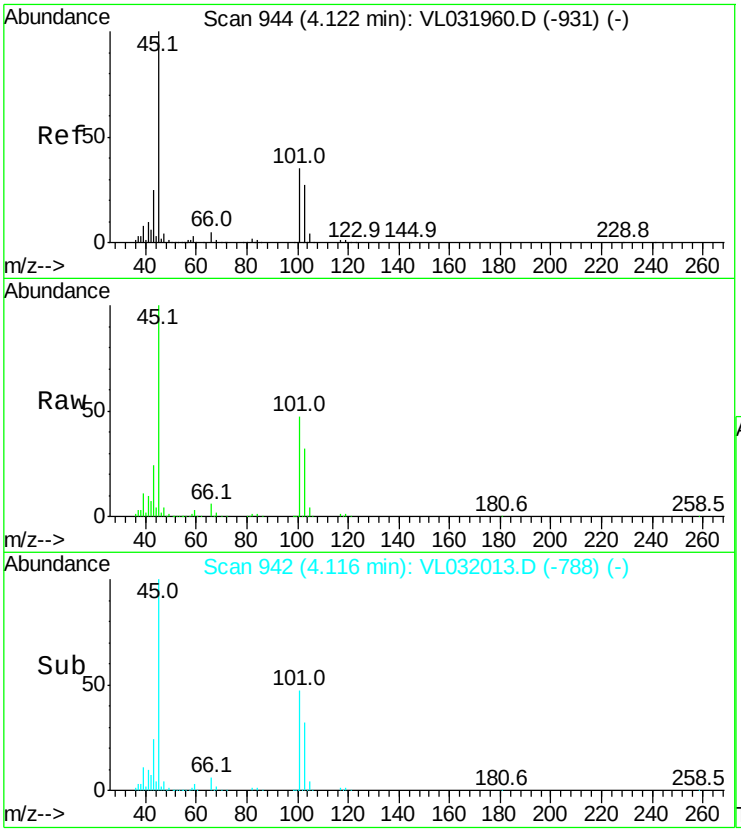


#18
1,1-Dichloroethene
Concen: 8.81 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 96 Resp: 563898

Ion	Ratio	Lower	Upper
96	100		
61	212.1	149.9	224.9
98	62.7	49.7	74.5



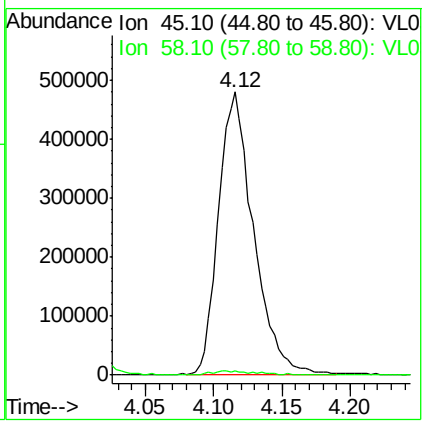


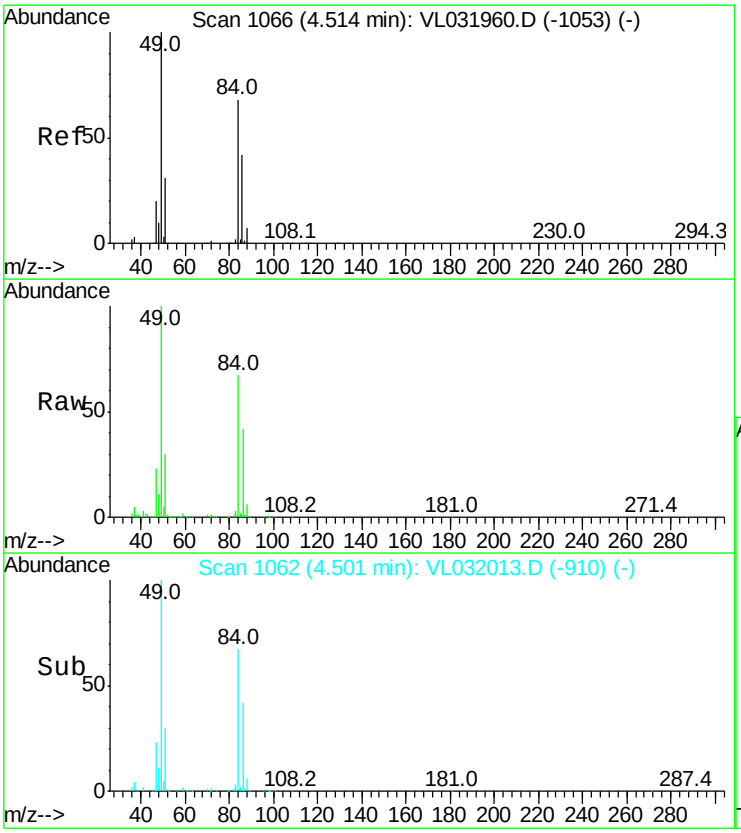
#19
Isopropyl Alcohol
Concen: 8.63 ppbv
RT: 4.12 min Scan# 942
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 45 Resp: 857206

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.4	2.2

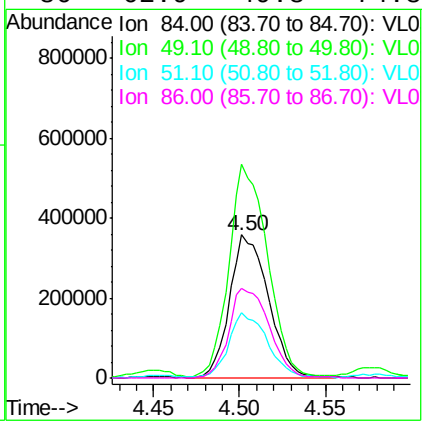


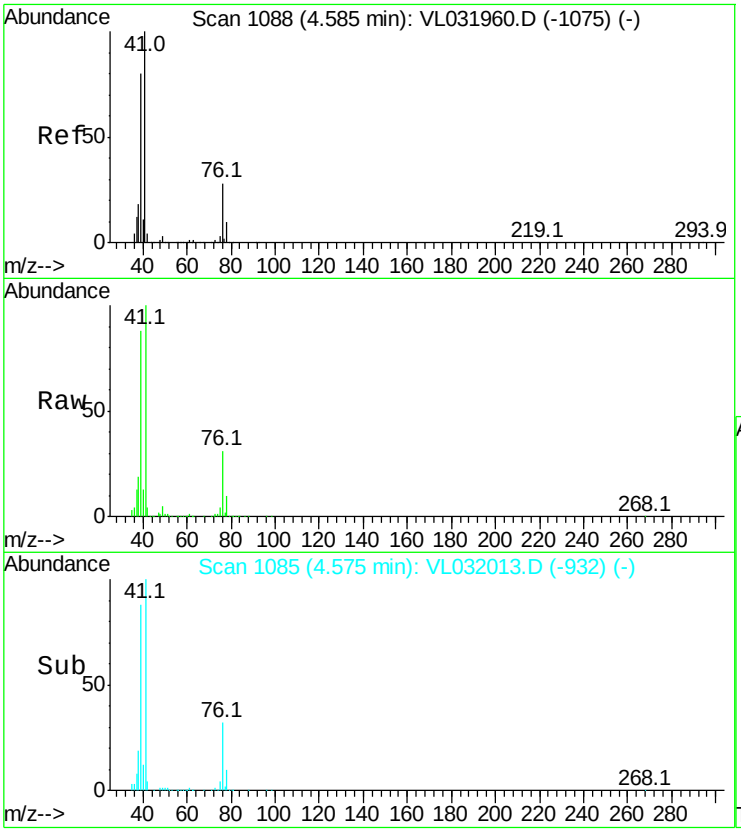


#20
Methylene Chloride
Concen: 9.00 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 84 Resp: 557945

Ion	Ratio	Lower	Upper
84	100		
49	148.9	118.6	178.0
51	45.1	36.6	54.8
86	62.9	49.8	74.8



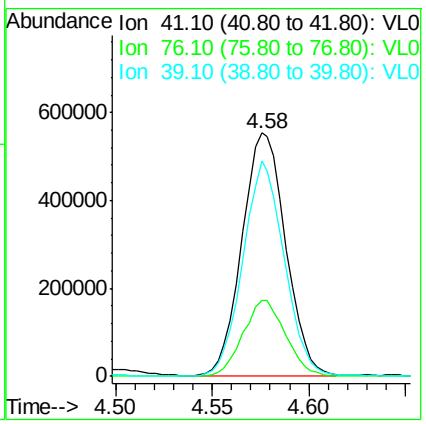


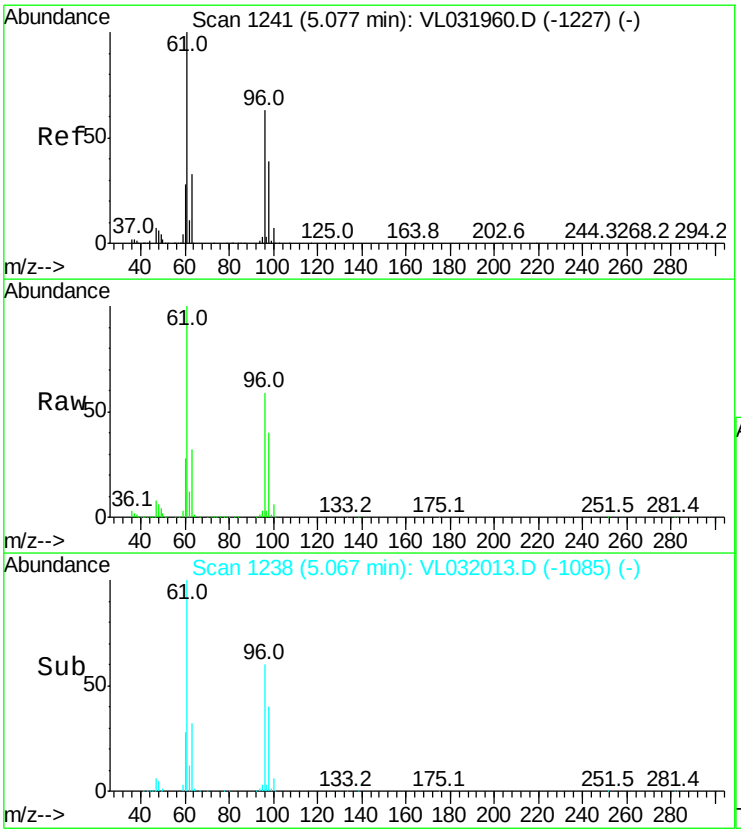
#21
Allyl Chloride
Concen: 8.28 ppbv
RT: 4.58 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 41 Resp: 867657

Ion	Ratio	Lower	Upper
41	100		
76	30.7	23.4	35.0
39	83.8	64.5	96.7

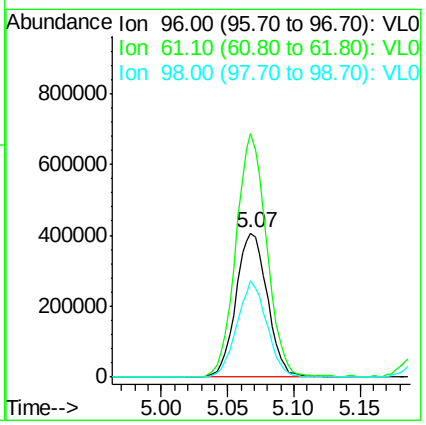


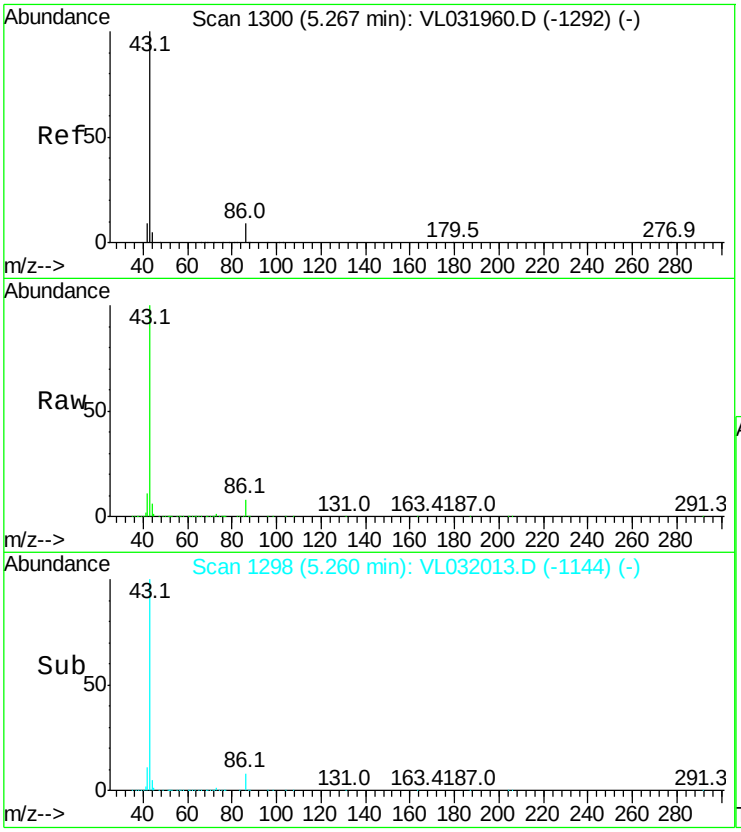


#22
trans-1,2-Dichloroethene
Concen: 9.41 ppbv
RT: 5.07 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 96 Resp: 668489

Ion	Ratio	Lower	Upper
96	100		
61	168.9	127.7	191.5
98	66.8	49.3	73.9



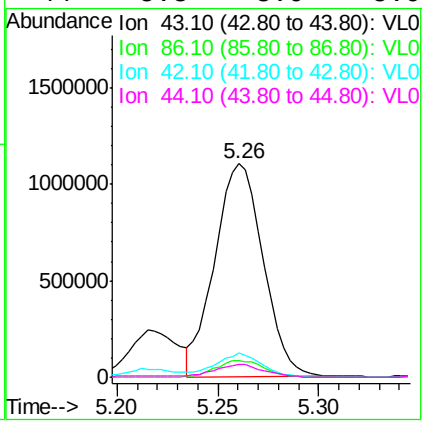


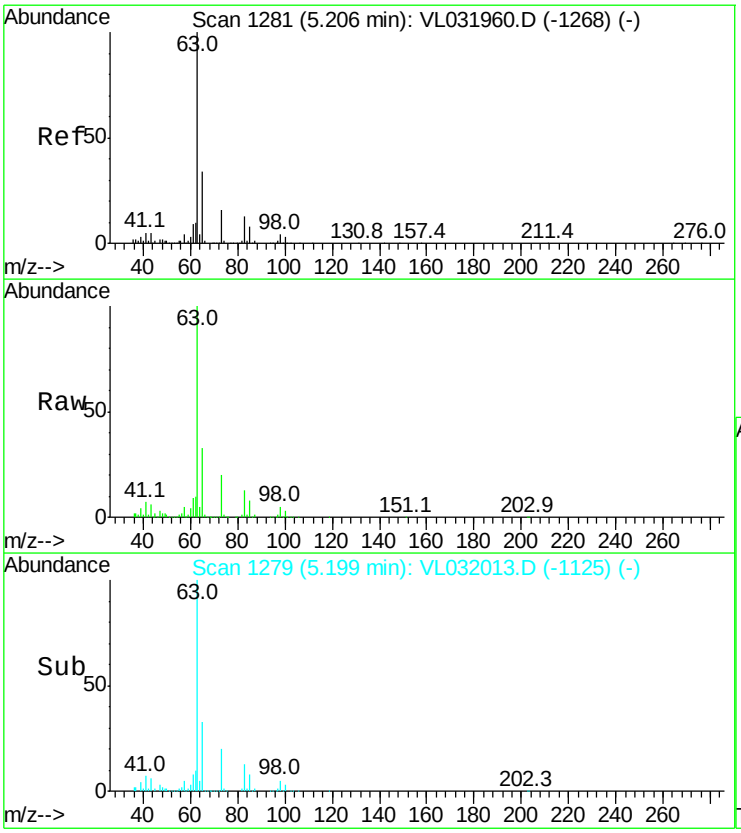
#23
Vinyl Acetate
Concen: 8.79 ppbv
RT: 5.26 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 43 Resp: 1845803

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	11.1	8.0	12.0
44	5.8	3.9	5.9

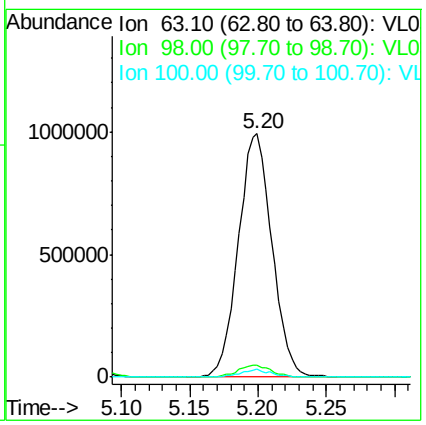


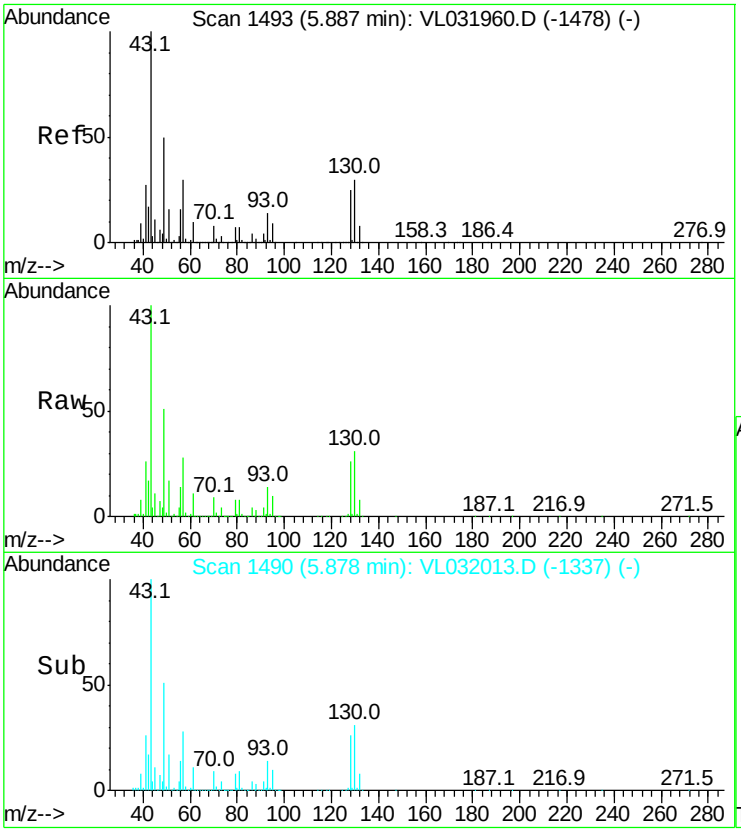


#24
1,1-Dichloroethane
Concen: 8.66 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 63 Resp: 1697207

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	3.2	1.5	4.5



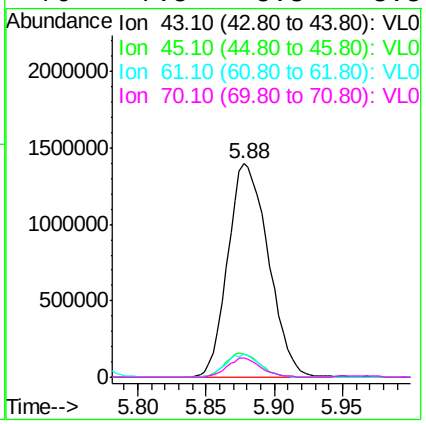


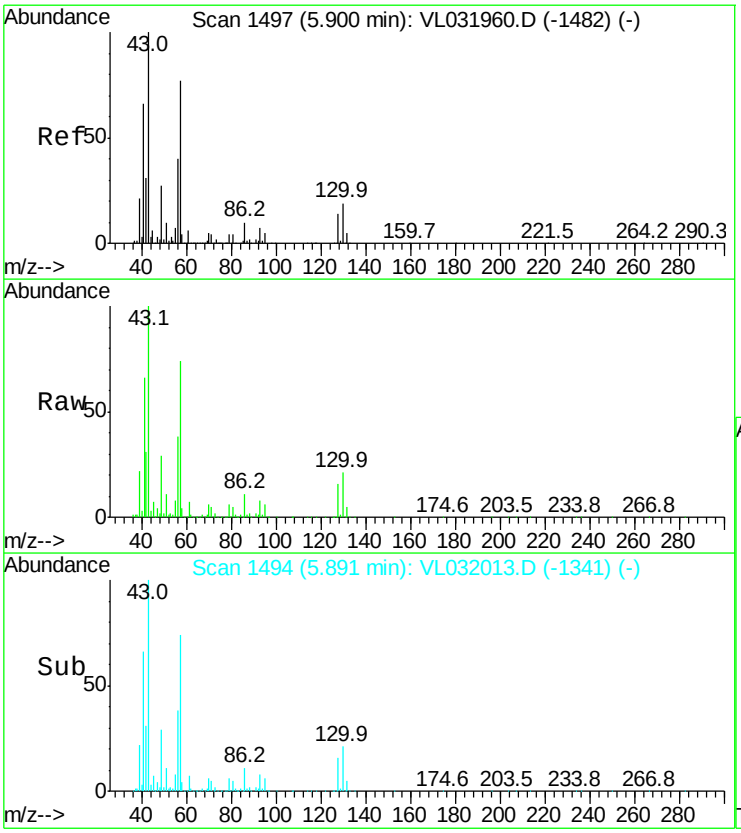
#25
Ethyl Acetate
Concen: 9.15 ppbv
RT: 5.88 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 43 Resp: 2885763

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	9.4	7.4	11.2
70	7.5	5.8	8.8

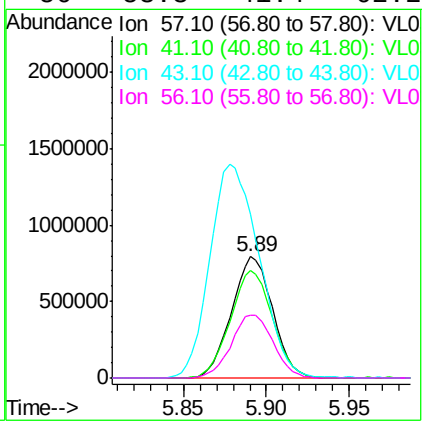


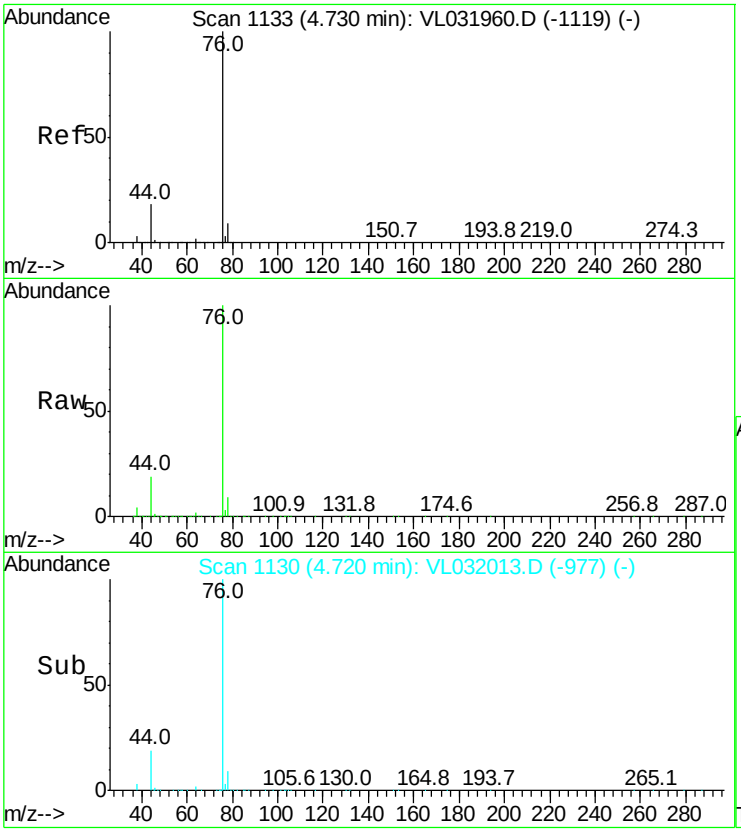


#26
Hexane
Concen: 9.19 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 57 Resp: 1363061

Ion	Ratio	Lower	Upper
57	100		
41	91.2	71.8	107.6
43	212.5	171.5	257.3
56	53.3	41.4	62.2



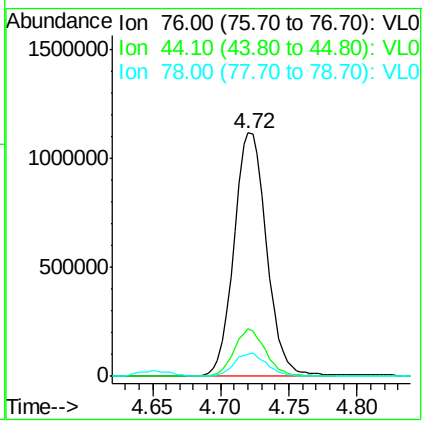


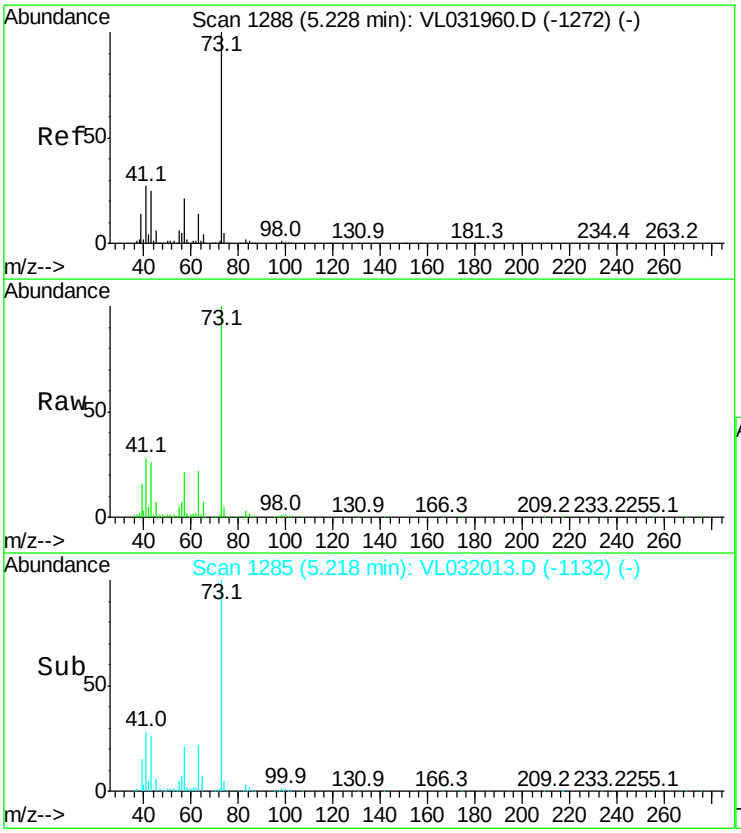
#27
Carbon Disulfide
Concen: 11.16 ppbv
RT: 4.72 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 76 Resp: 1854301

Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.4	23.0
78	9.4	7.4	11.0

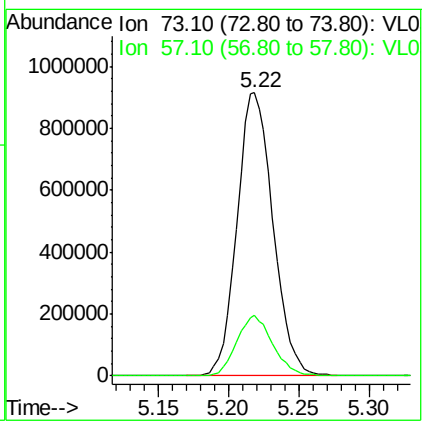


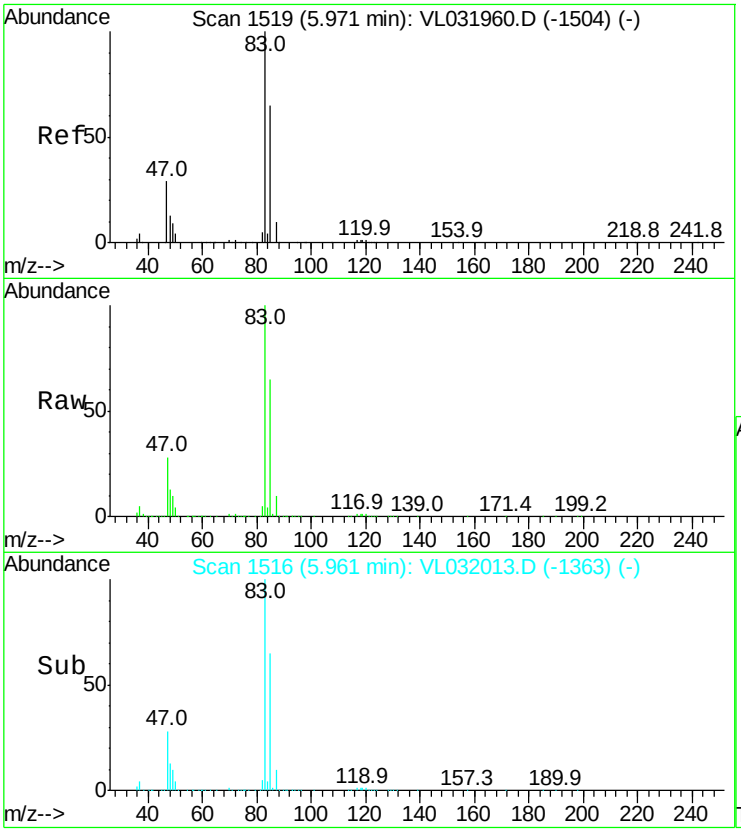


#28
Methyl tert-Butyl Ether
Concen: 8.96 ppbv
RT: 5.22 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 73 Resp: 1633506

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4



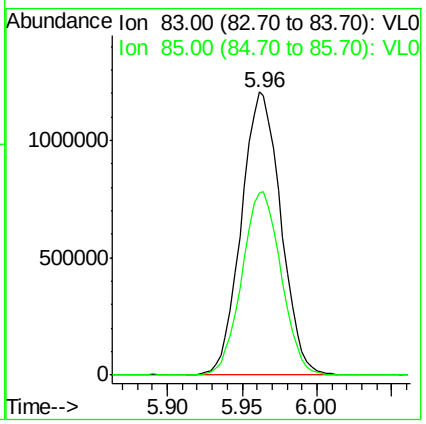


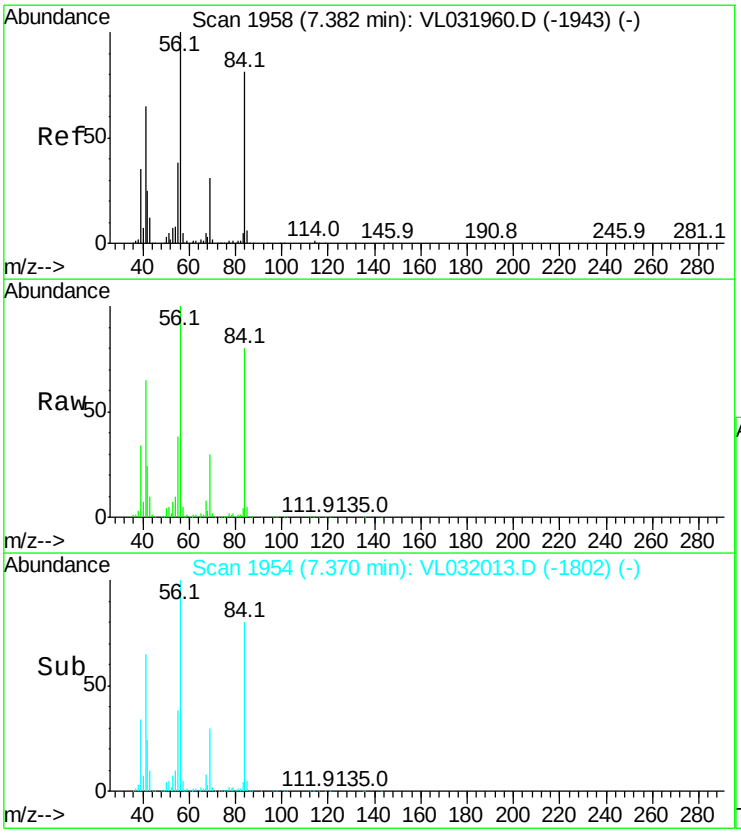
#29
Chloroform
Concen: 9.47 ppbv
RT: 5.96 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 83 Resp: 2220194

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.2

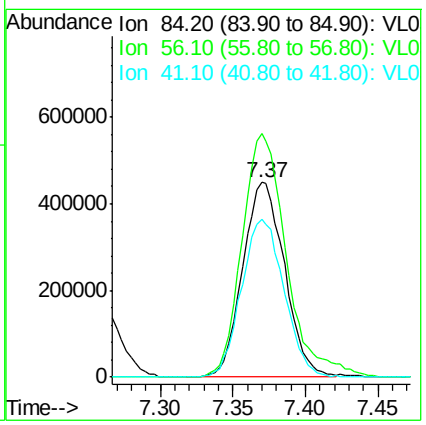


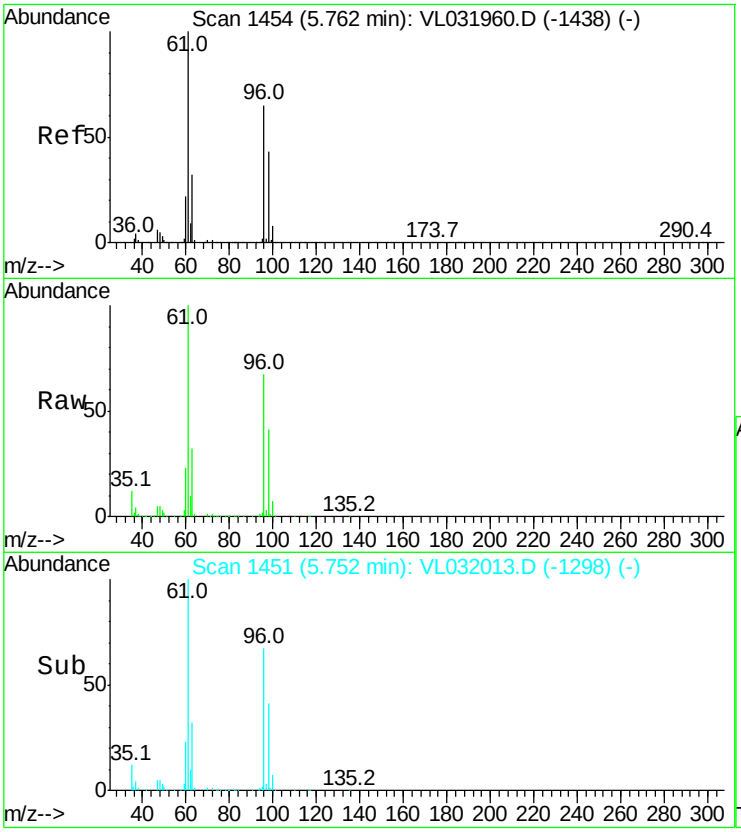


#30
Cyclohexane
Concen: 9.13 ppbv
RT: 7.37 min Scan# 1954
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 84 Resp: 901784

Ion	Ratio	Lower	Upper
84	100		
56	132.6	108.0	162.0
41	82.4	66.8	100.2



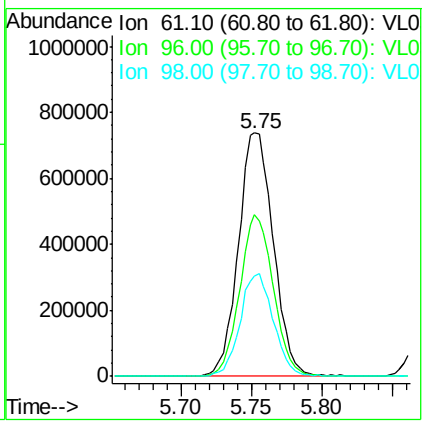


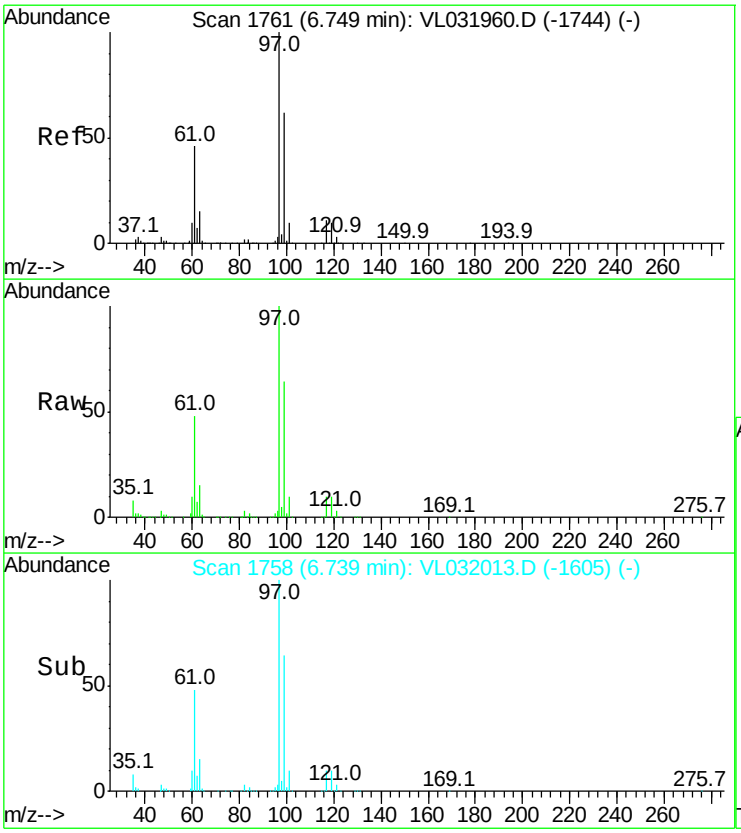
#31
cis-1,2-Dichloroethene
Concen: 9.44 ppbv
RT: 5.75 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 61 Resp: 1280012

Ion	Ratio	Lower	Upper
61	100		
96	66.5	51.8	77.6
98	41.4	34.2	51.4

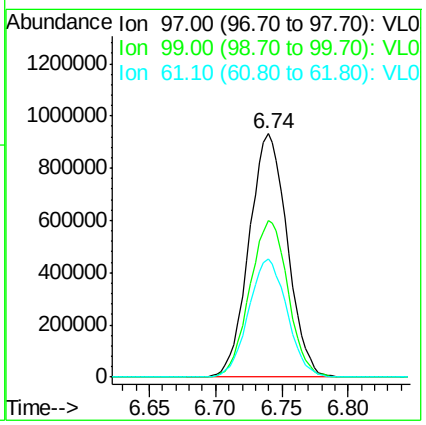


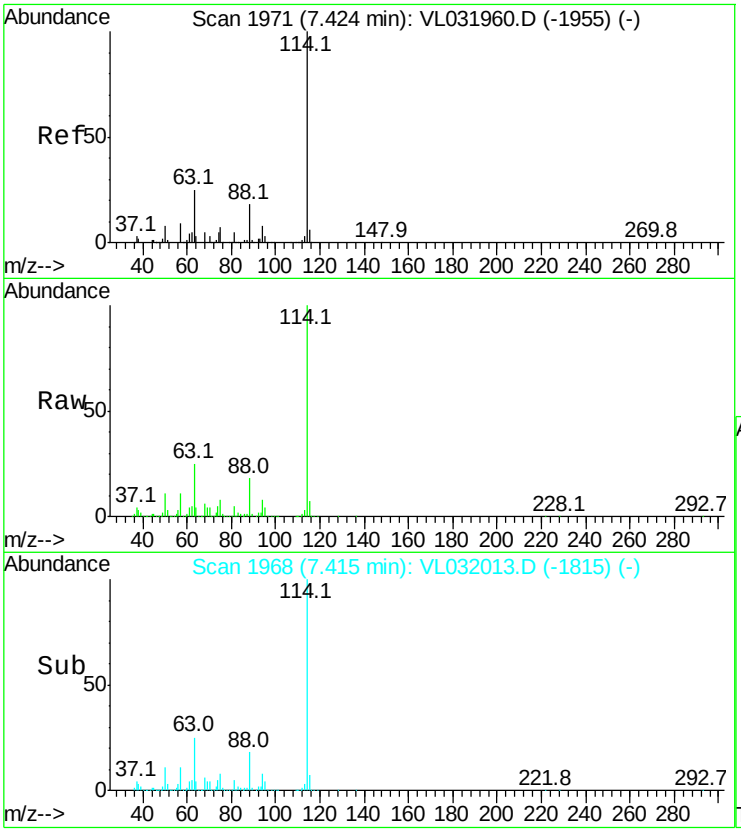


#32
1,1,1-Trichloroethane
Concen: 8.67 ppbv
RT: 6.74 min Scan# 1758
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 97 Resp: 1875230

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.6
61	48.9	38.1	57.1



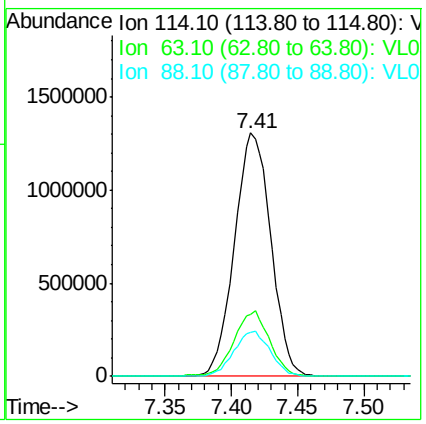


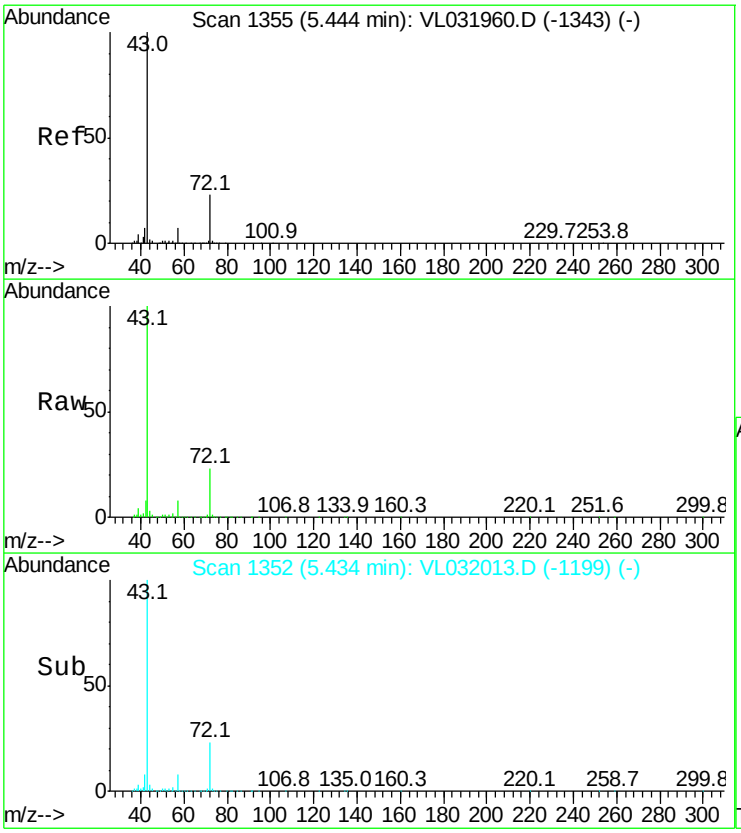
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.41 min Scan# 1968
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:114 Resp: 2496258

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

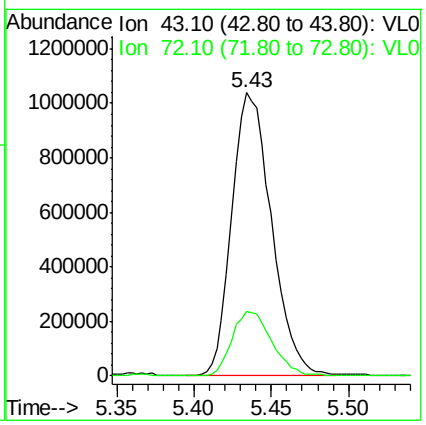


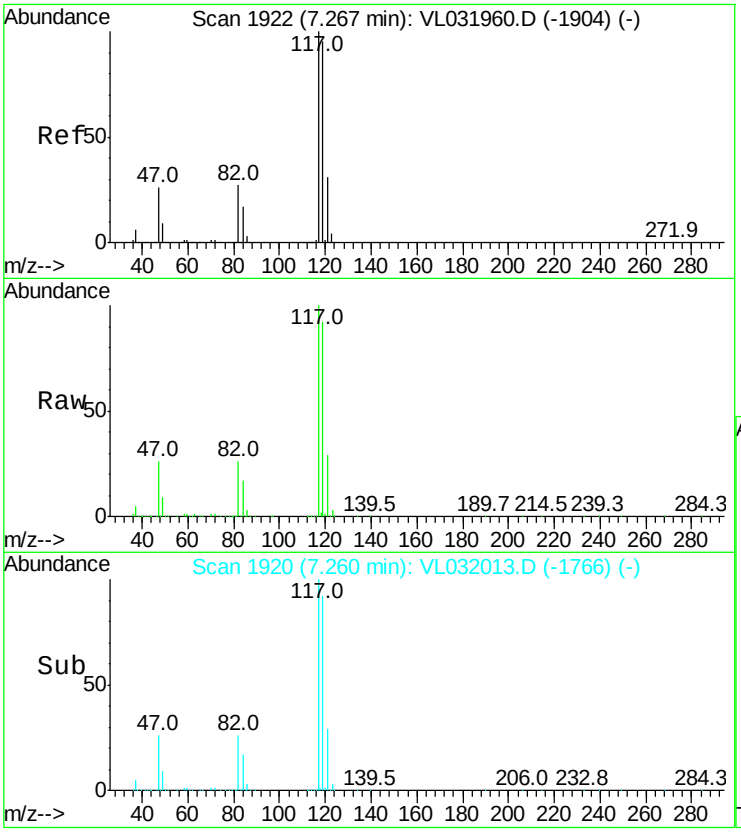


#34
2-Butanone
Concen: 8.95 ppbv
RT: 5.43 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 43 Resp: 1843699

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.3	27.5



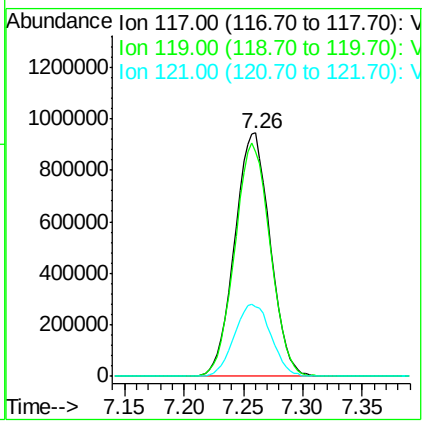


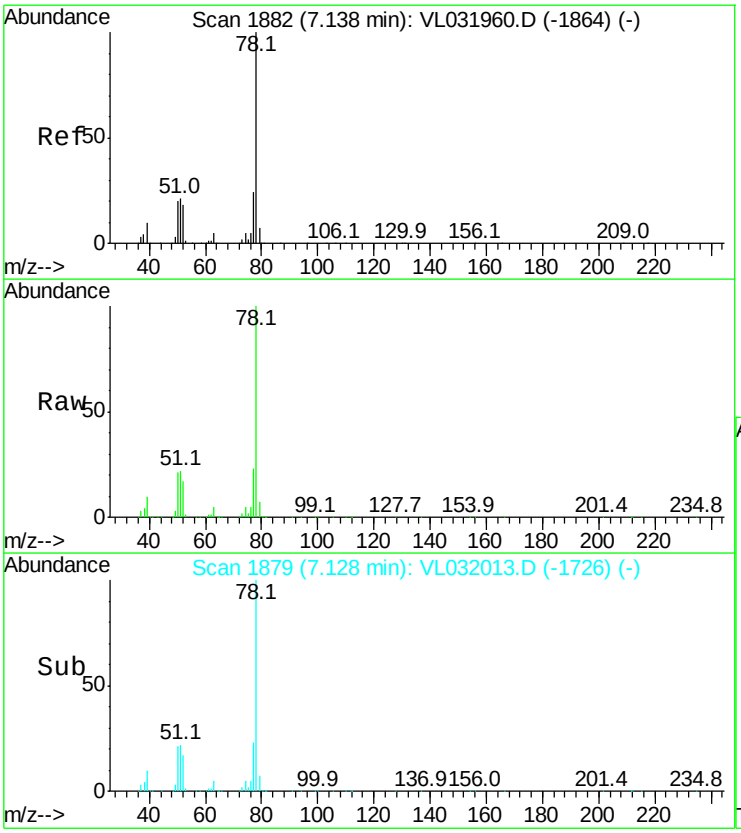
#35
Carbon Tetrachloride
Concen: 9.85 ppbv
RT: 7.26 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:117 Resp: 1949214

Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.4	114.6
121	28.8	24.4	36.6

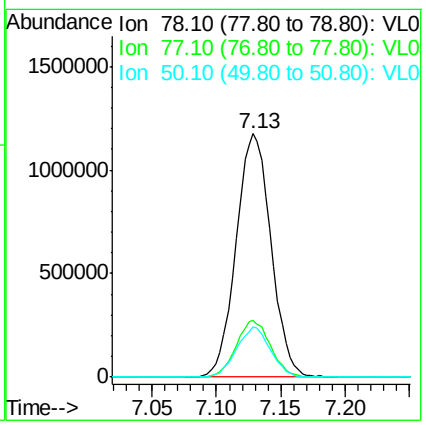


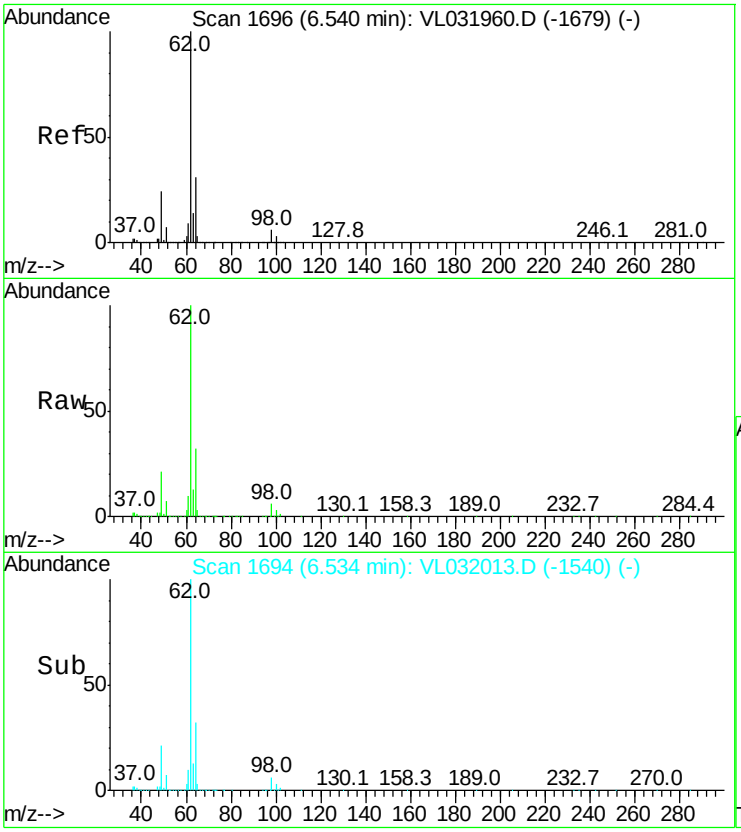


#36
Benzene
Concen: 9.40 ppbv
RT: 7.13 min Scan# 1879
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 78 Resp: 2210638

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8
50	20.7	16.2	24.4



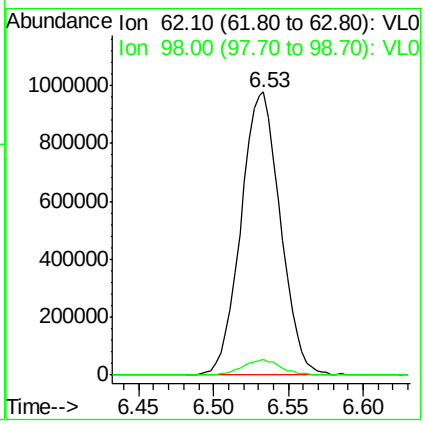


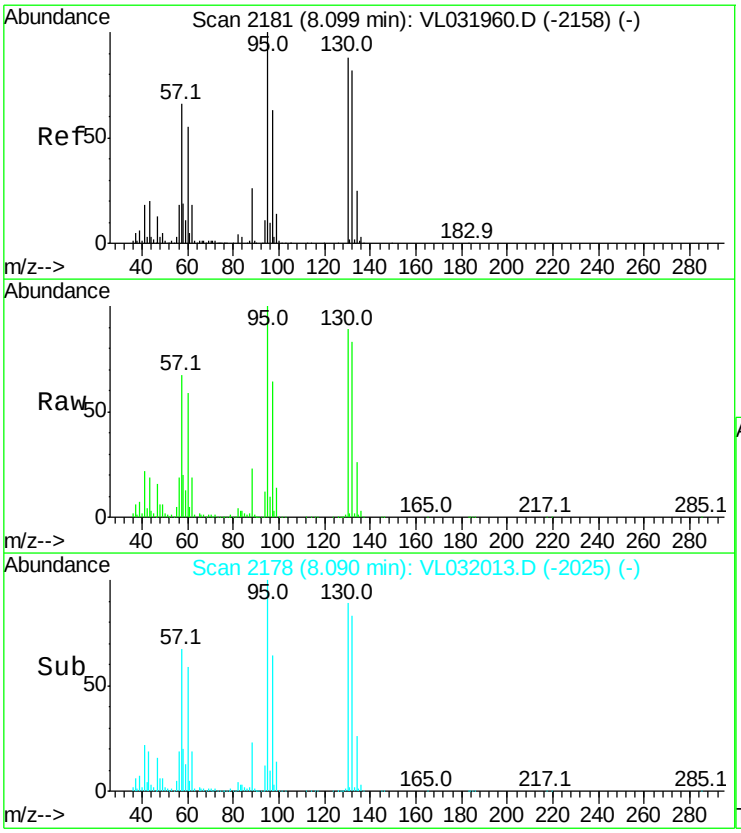
#37
1,2-Dichloroethane
Concen: 10.58 ppbv
RT: 6.53 min Scan# 1694
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 62 Resp: 1787805

Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.6	6.8

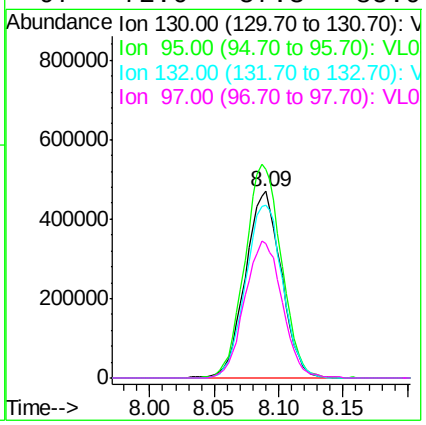


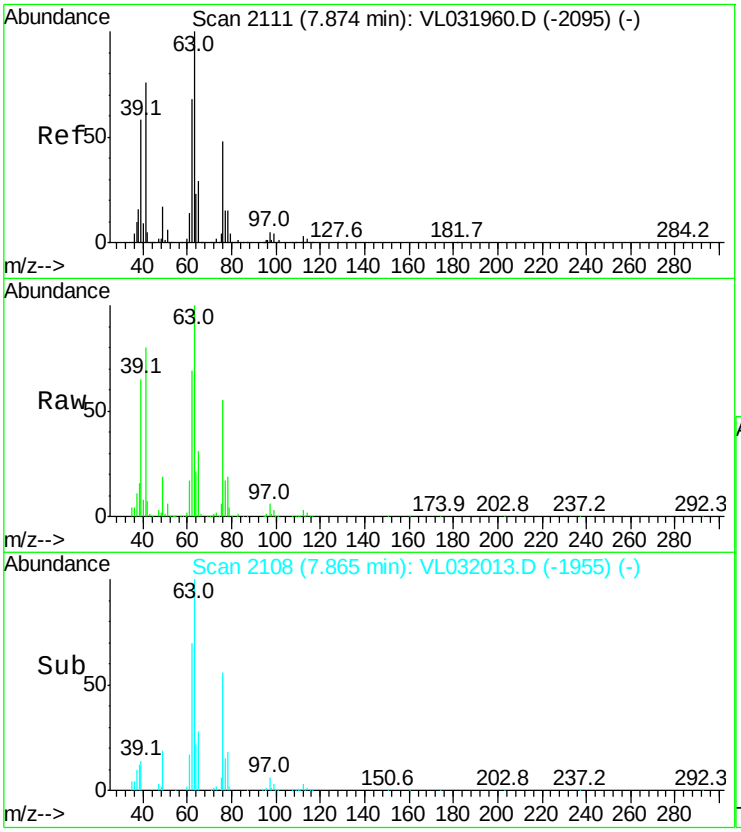


#38
Trichloroethene
Concen: 10.16 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:130 Resp: 907012

Ion	Ratio	Lower	Upper
130	100		
95	112.3	90.7	136.1
132	92.8	74.3	111.5
97	72.0	57.3	85.9



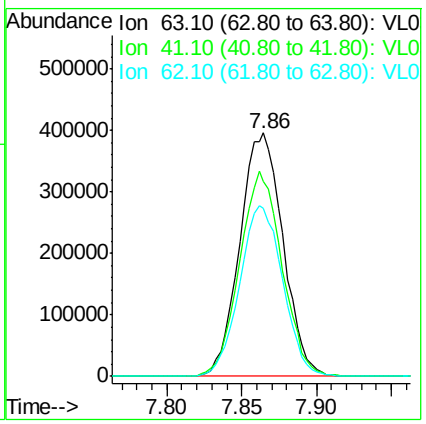


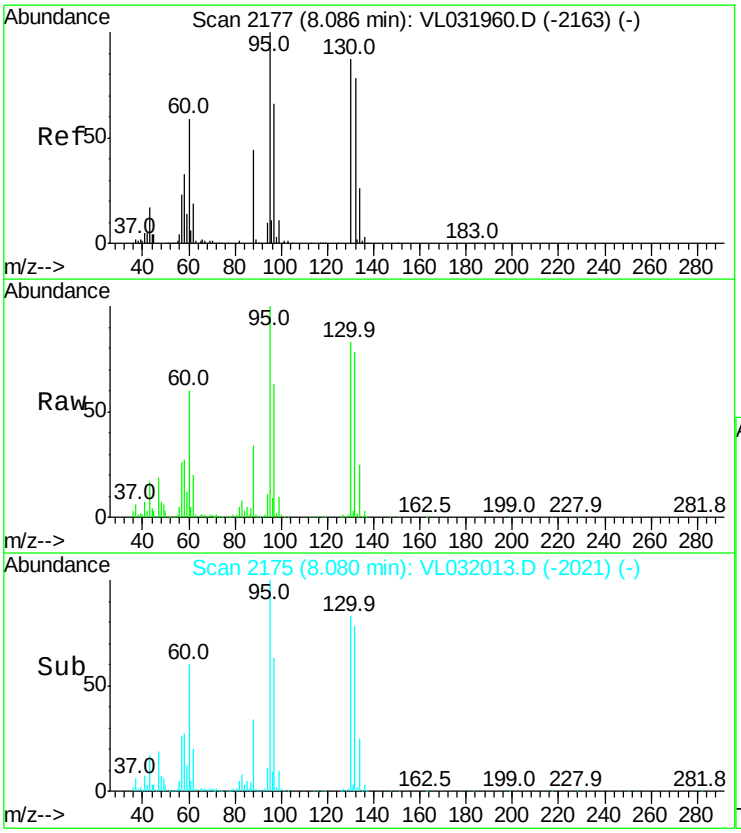
#39
1,2-Dichloropropane
Concen: 9.71 ppbv
RT: 7.86 min Scan# 2108
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 63 Resp: 794667

Ion	Ratio	Lower	Upper
63	100		
41	79.9	60.7	91.1
62	69.1	54.7	82.1

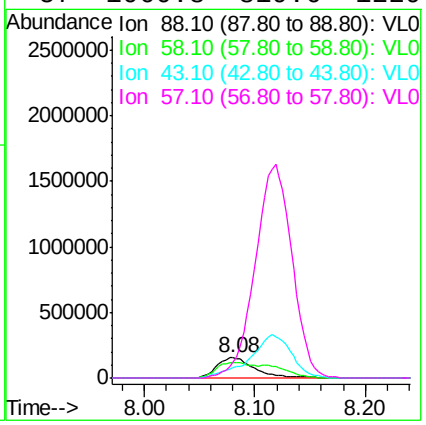


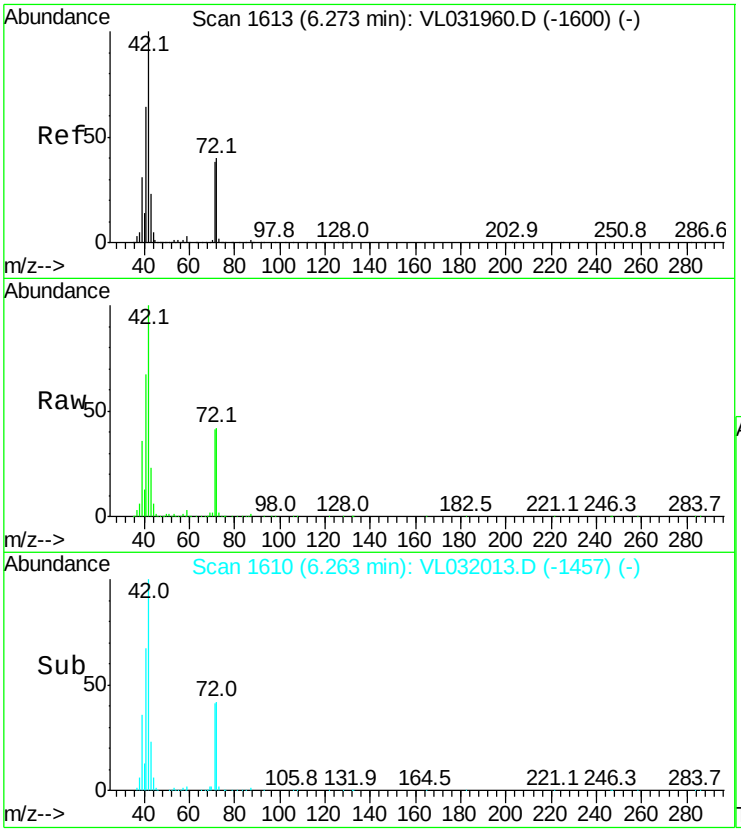


#40
1,4-Dioxane
Concen: 9.66 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 88 Resp: 356424

Ion	Ratio	Lower	Upper
88	100		
58	125.2	94.9	142.3
43	240.5	188.2	282.2
57	1060.8	819.6	1229.4



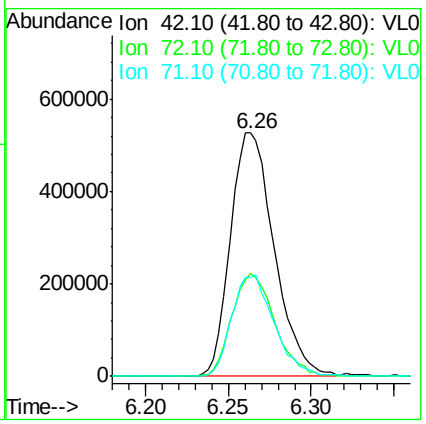


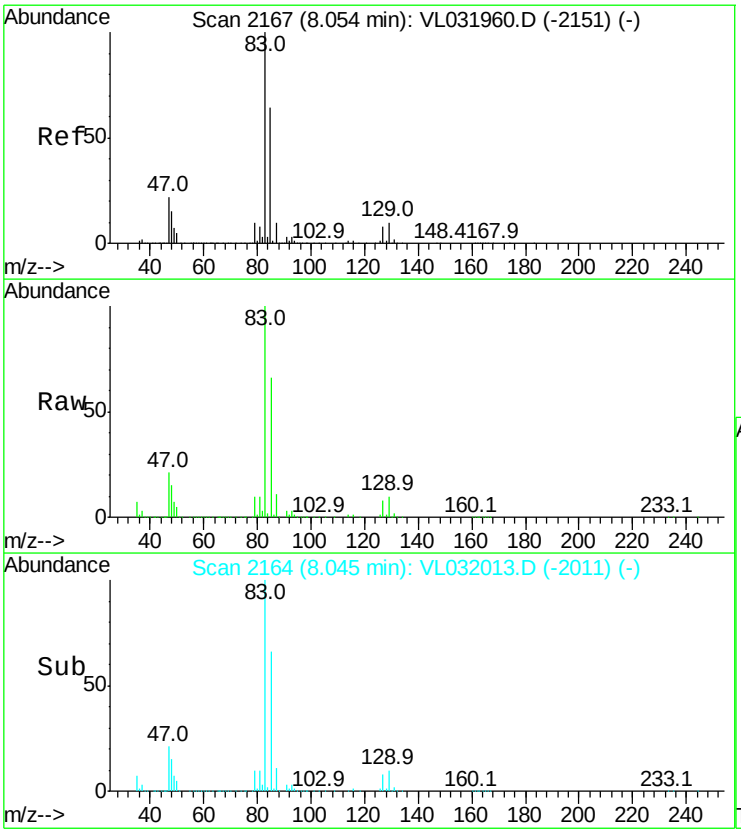
#41
Tetrahydrofuran
Concen: 10.75 ppbv
RT: 6.26 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 42 Resp: 964389

Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.3	48.5
71	40.5	31.4	47.2

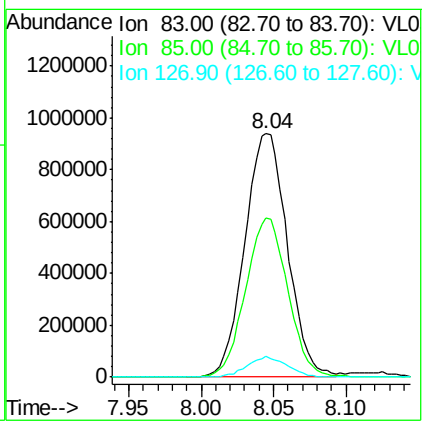


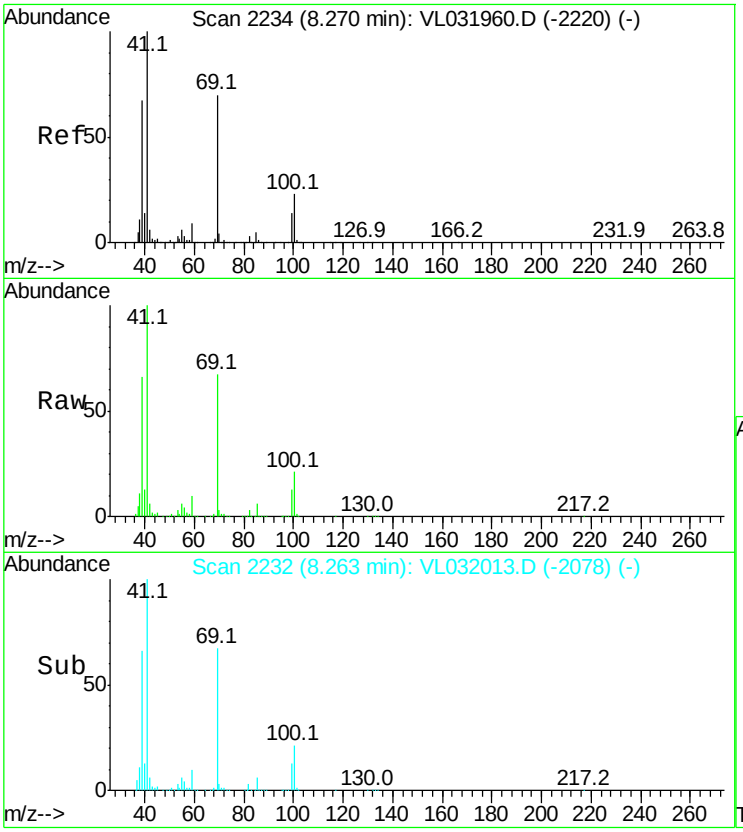


#42
Bromodichloromethane
Concen: 10.19 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 83 Resp: 1919371

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.0	76.6
127	8.5	6.7	10.1



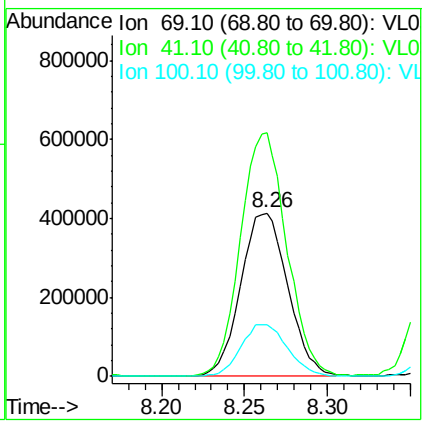


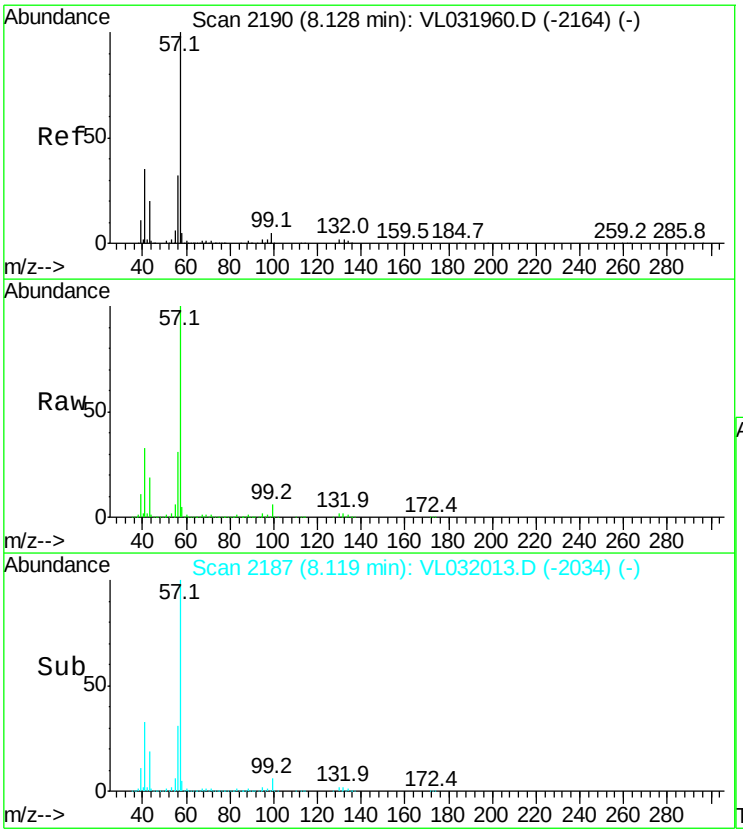
#43
Methyl Methacrylate
Concen: 10.28 ppbv
RT: 8.26 min Scan# 2232
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 69 Resp: 814970

Ion	Ratio	Lower	Upper
69	100		
41	146.3	119.4	179.2
100	31.6	26.0	39.0

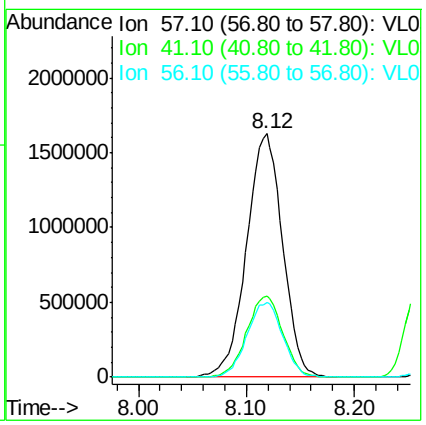


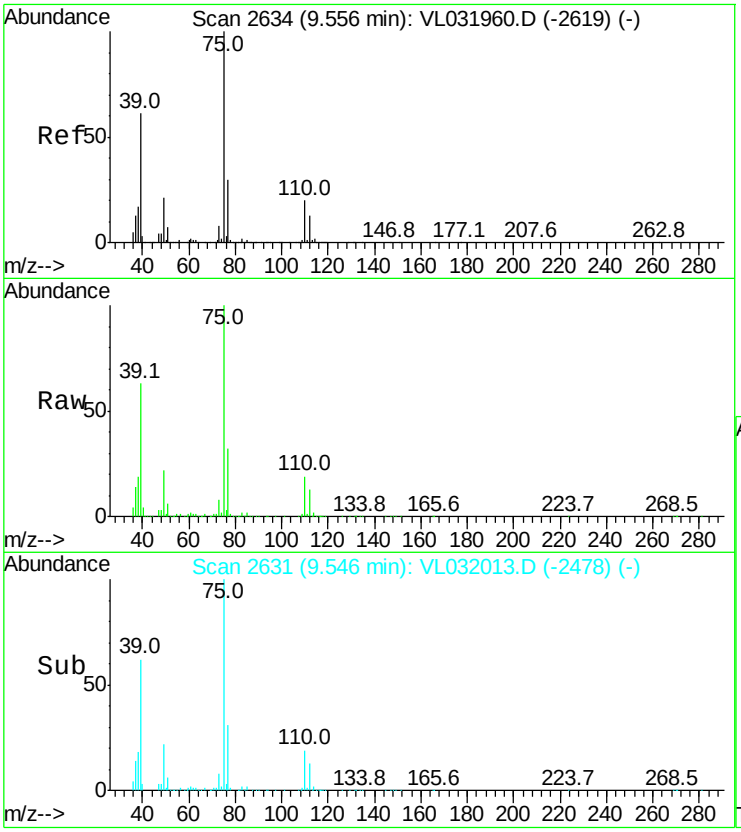


#44
2,2,4-Trimethylpentane
Concen: 9.95 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 57 Resp: 3773476

Ion	Ratio	Lower	Upper
57	100		
41	33.3	26.6	39.8
56	30.5	24.4	36.6



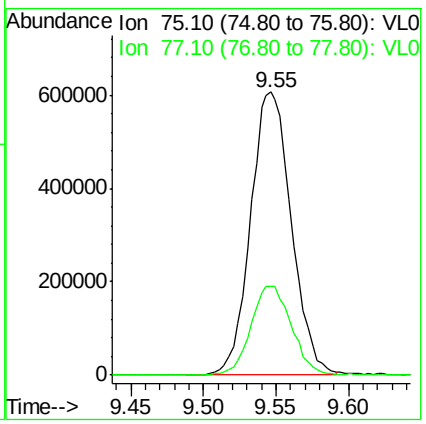


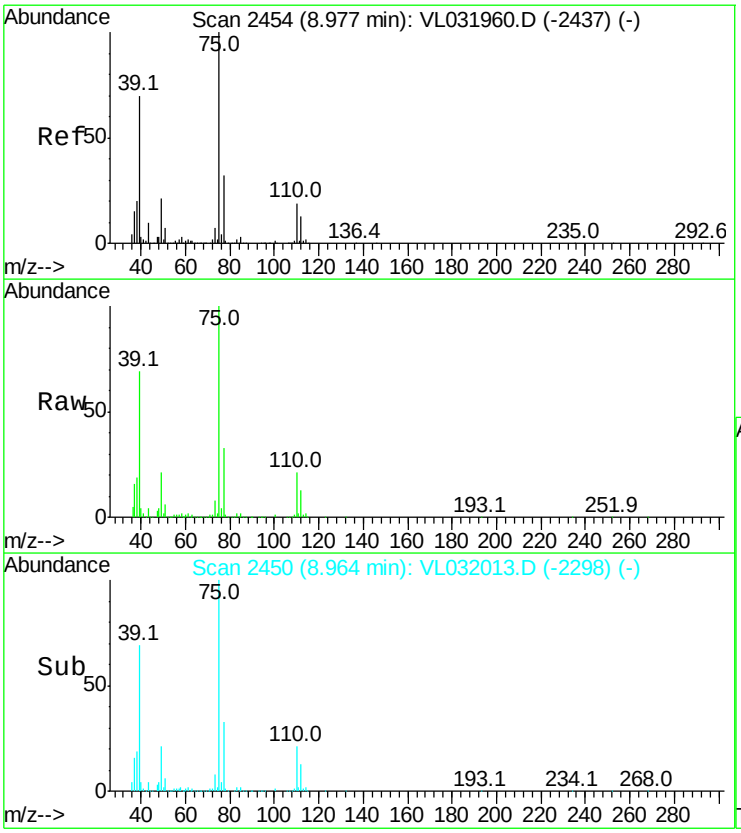
#45
t-1,3-Dichloropropene
Concen: 11.30 ppbv
RT: 9.55 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 75 Resp: 1187136

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6

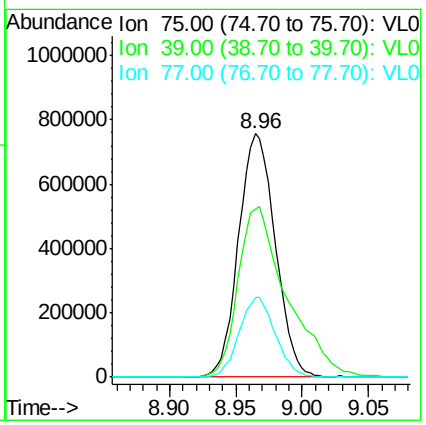


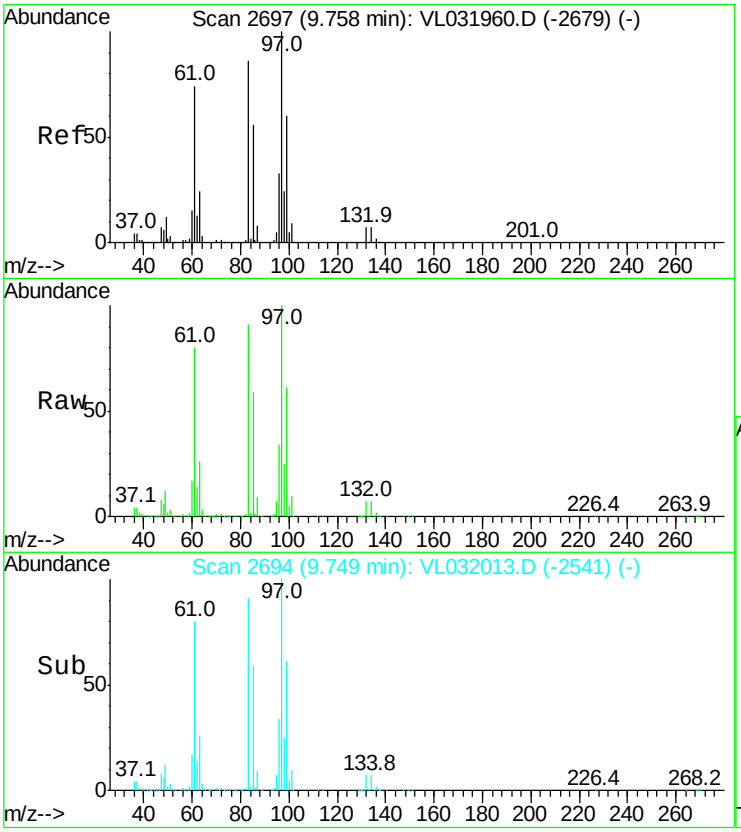


#46
cis-1,3-Dichloropropene
Concen: 11.24 ppbv
RT: 8.96 min Scan# 2450
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 75 Resp: 1458197

Ion	Ratio	Lower	Upper
75	100		
39	68.9	55.7	83.5
77	32.6	25.9	38.9



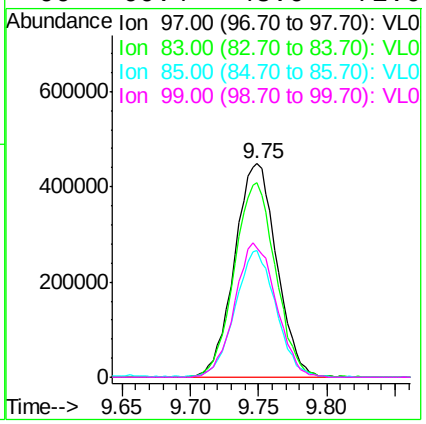


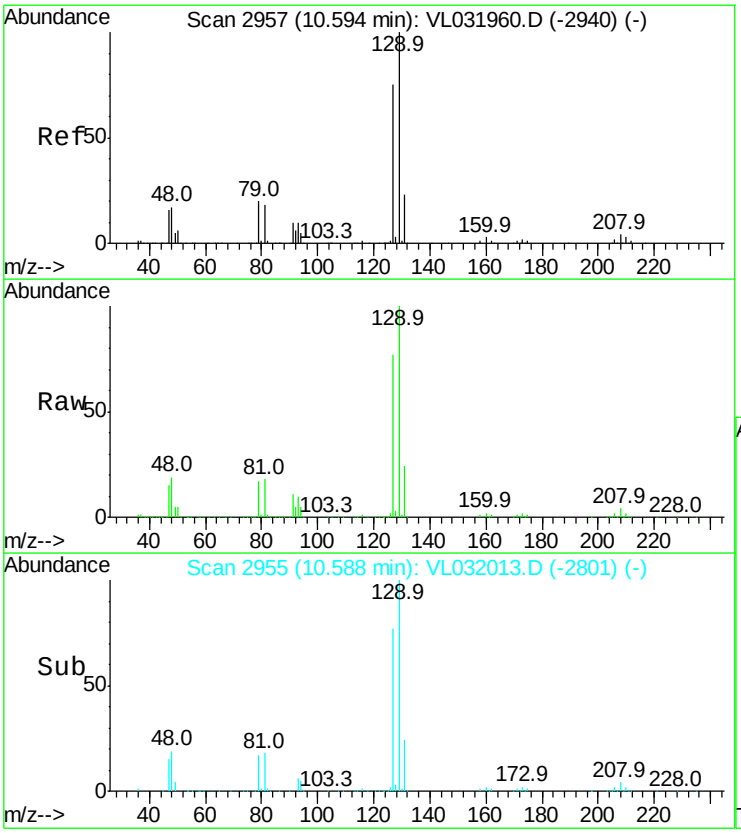
#47
1,1,2-Trichloroethane
Concen: 9.91 ppbv
RT: 9.75 min Scan# 2694
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 97 Resp: 959616

Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.0	103.4
85	58.9	45.0	67.6
99	60.4	48.0	72.0

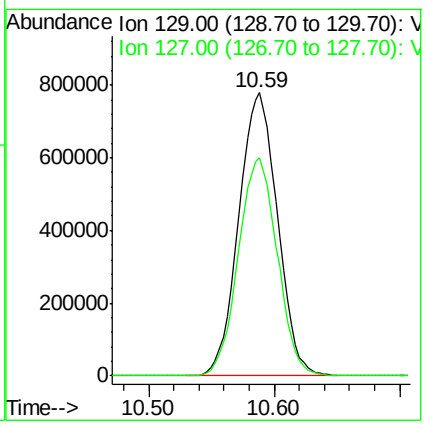


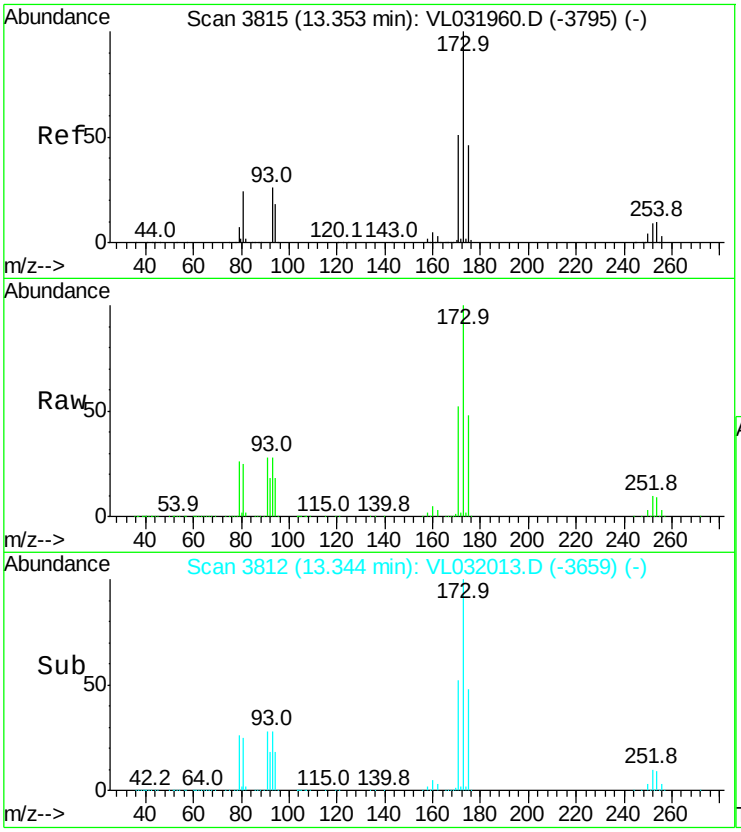


#48
Dibromochloromethane
Concen: 10.77 ppbv
RT: 10.59 min Scan# 2955
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:129 Resp: 1673057

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.2



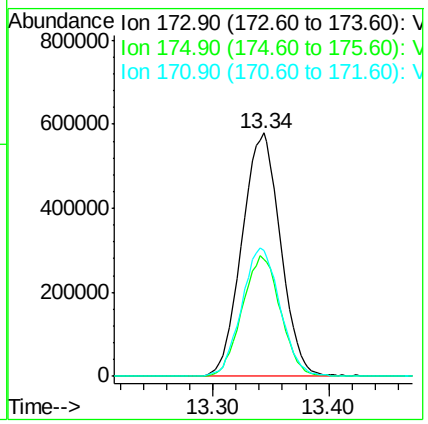


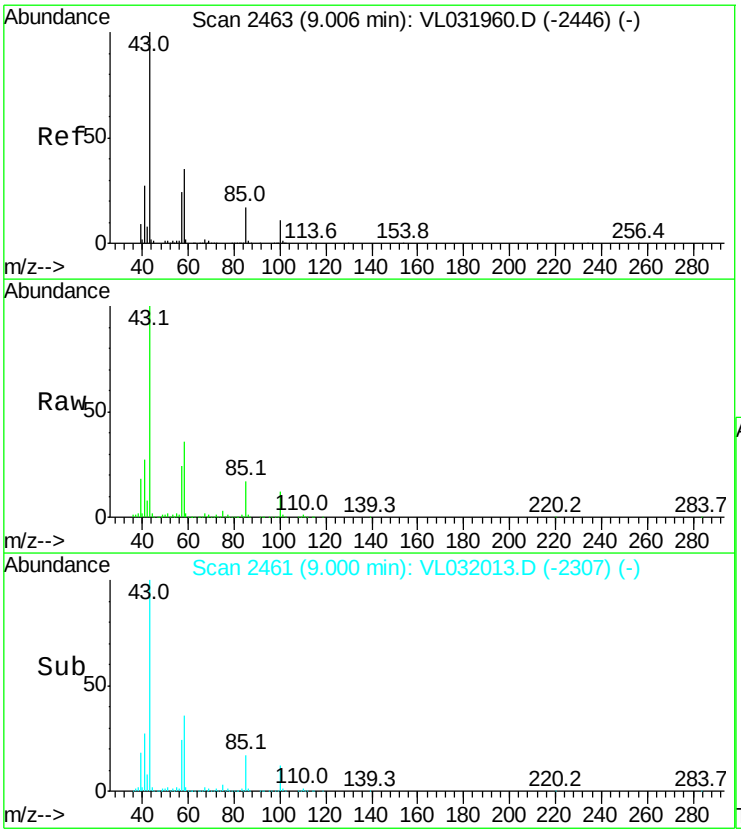
#49
Bromoform
Concen: 11.15 ppbv
RT: 13.34 min Scan# 3812
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:173 Resp: 1342775

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.2	58.8
171	52.5	41.5	62.3

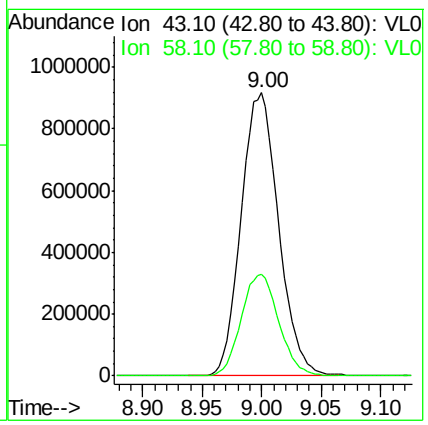


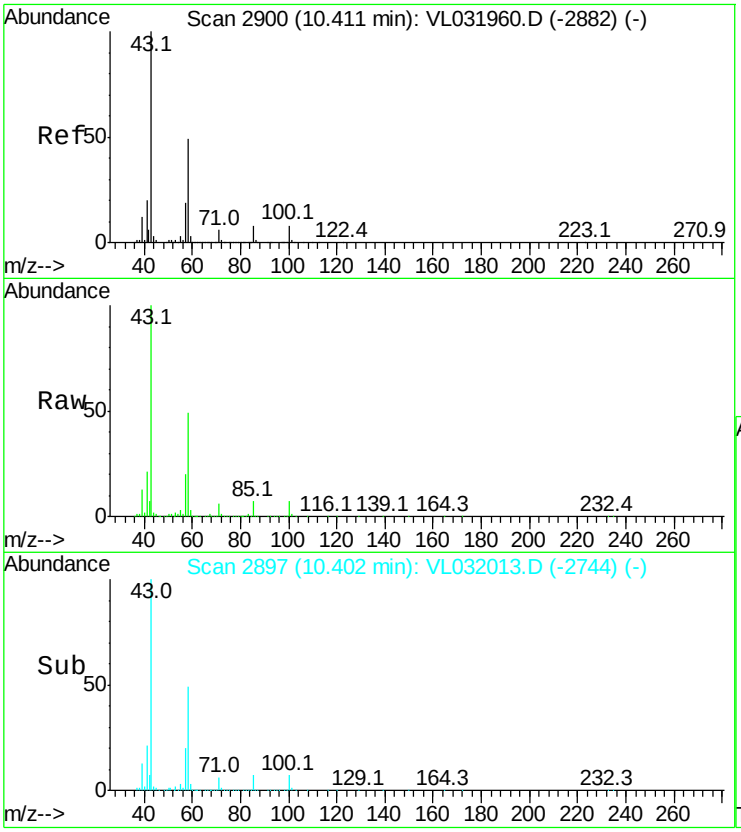


#50
4-Methyl-2-Pentanone
Concen: 10.27 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 43 Resp: 1998205

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.6	42.8



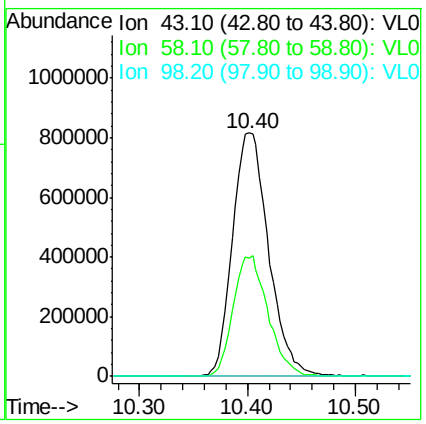


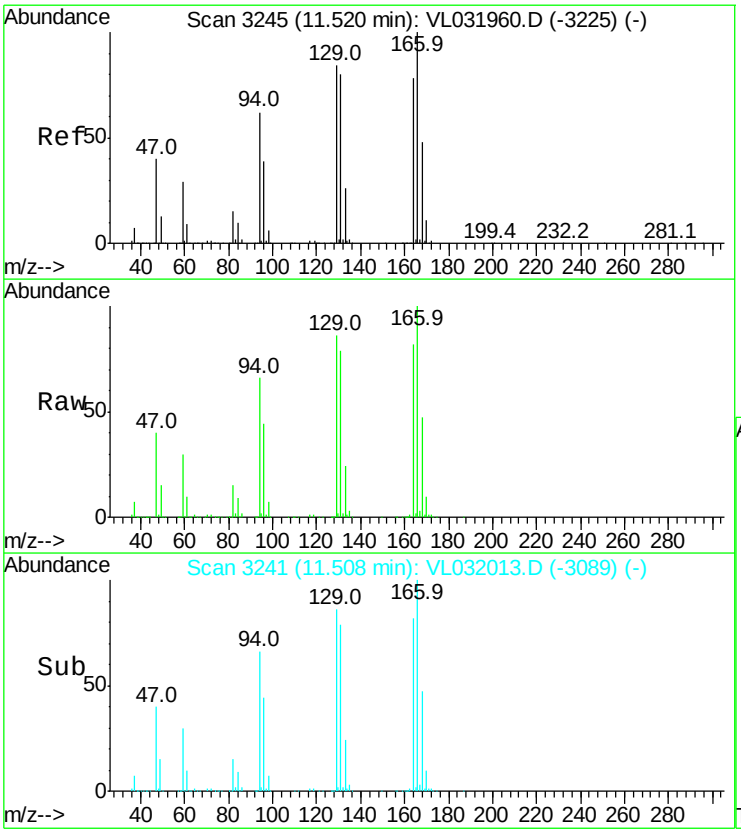
#51
2-Hexanone
Concen: 10.78 ppbv
RT: 10.40 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 43 Resp: 1908266

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.6	58.0
98	0.4	0.2	0.2#

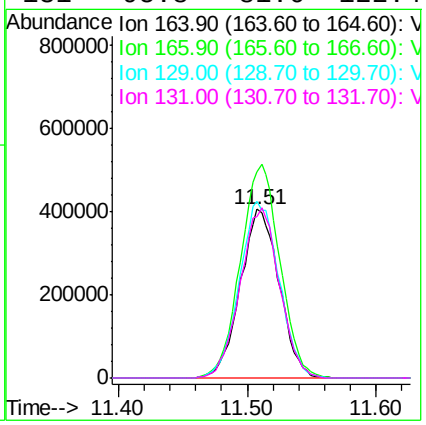


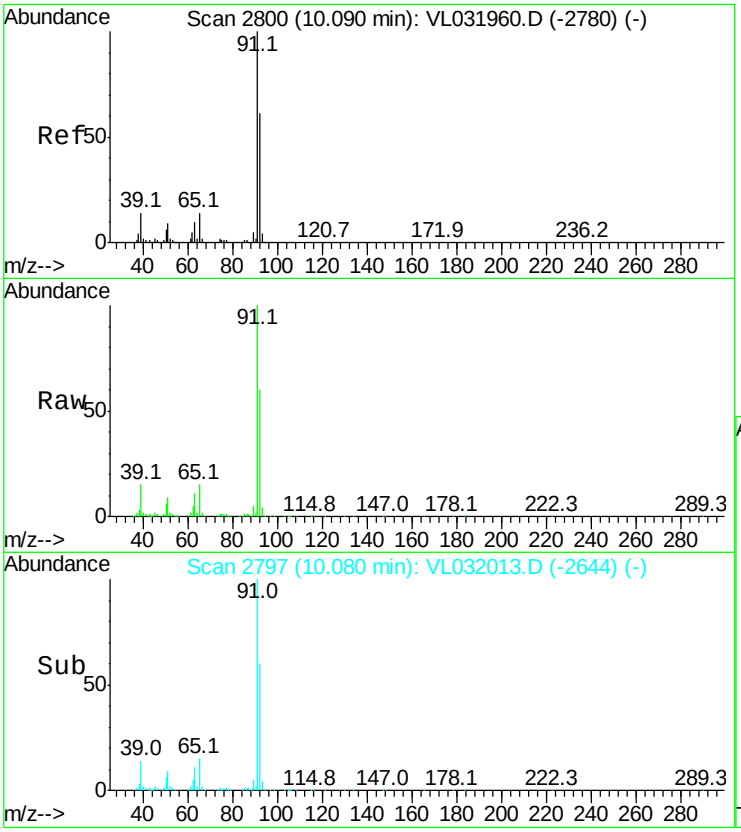


#52
Tetrachloroethene
Concen: 9.76 ppbv
RT: 11.51 min Scan# 3241
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:164 Resp: 850022

Ion	Ratio	Lower	Upper
164	100		
166	122.0	101.9	152.9
129	104.4	85.8	128.6
131	95.8	81.6	122.4



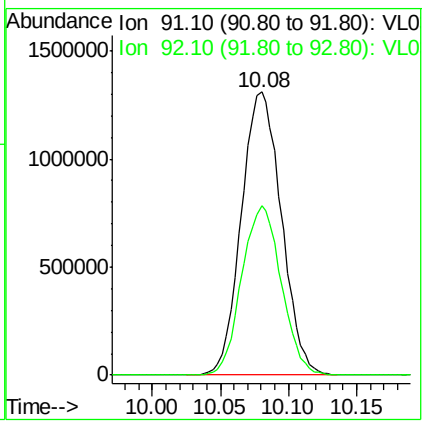


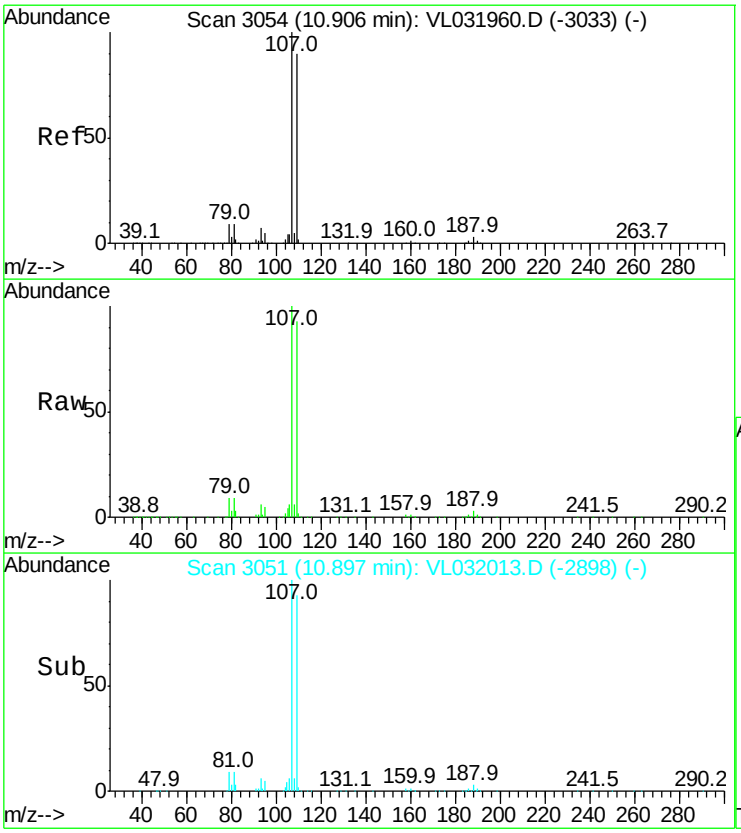
#53
Toluene
Concen: 10.55 ppbv
RT: 10.08 min Scan# 2797
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion: 91 Resp: 2674915

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.4	71.2

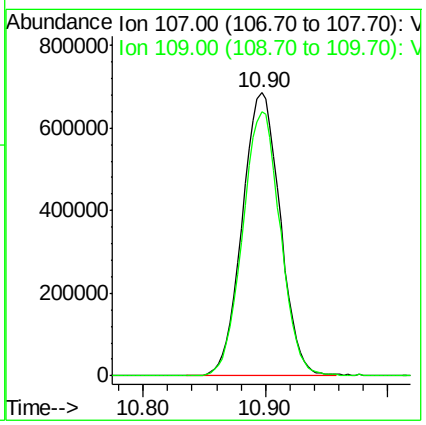


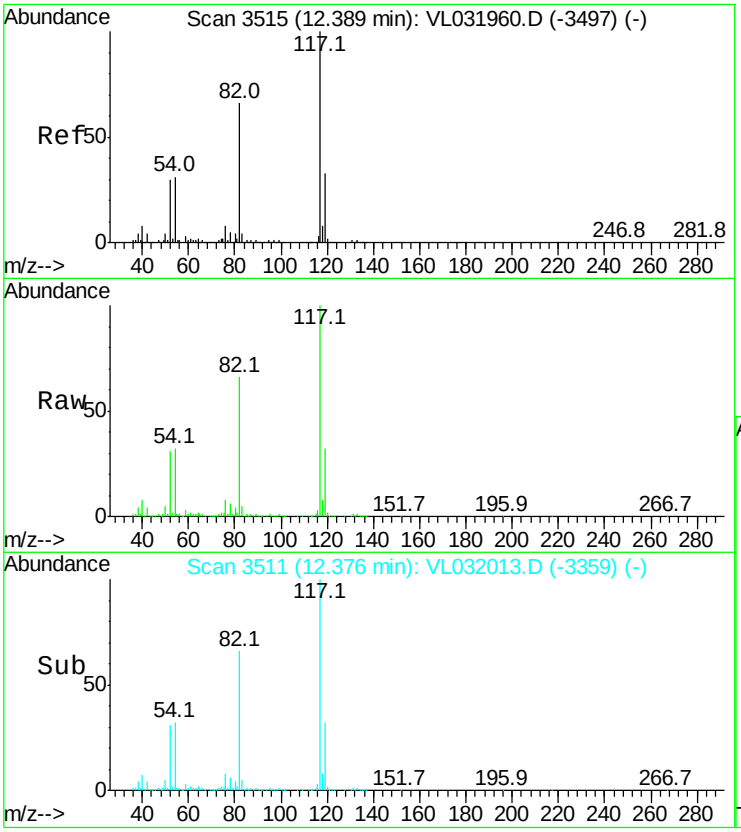


#54
1,2-Dibromoethane
Concen: 10.16 ppbv
RT: 10.90 min Scan# 3051
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:107 Resp: 1465946

Ion	Ratio	Lower	Upper
107	100		
109	93.4	72.1	108.1



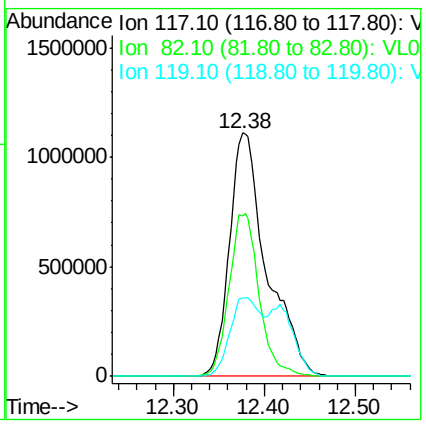


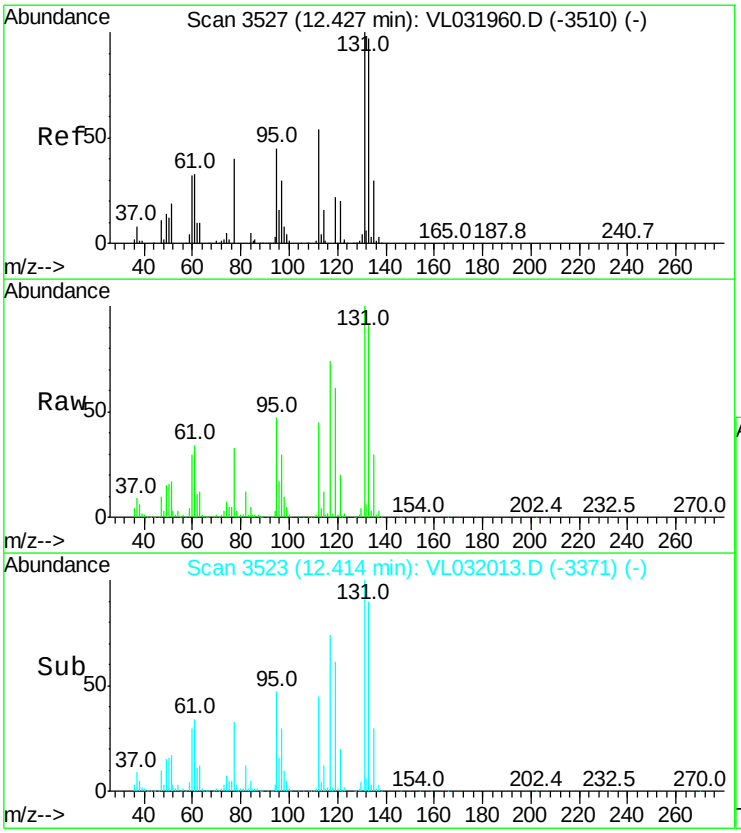
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.38 min Scan# 3511
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:117 Resp: 3161997

Ion	Ratio	Lower	Upper
117	100		
82	54.1	51.6	77.4
119	47.0	44.2	66.4

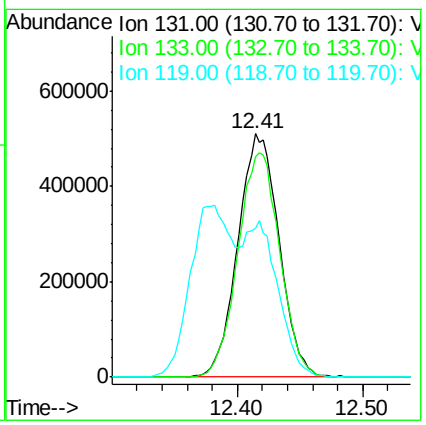


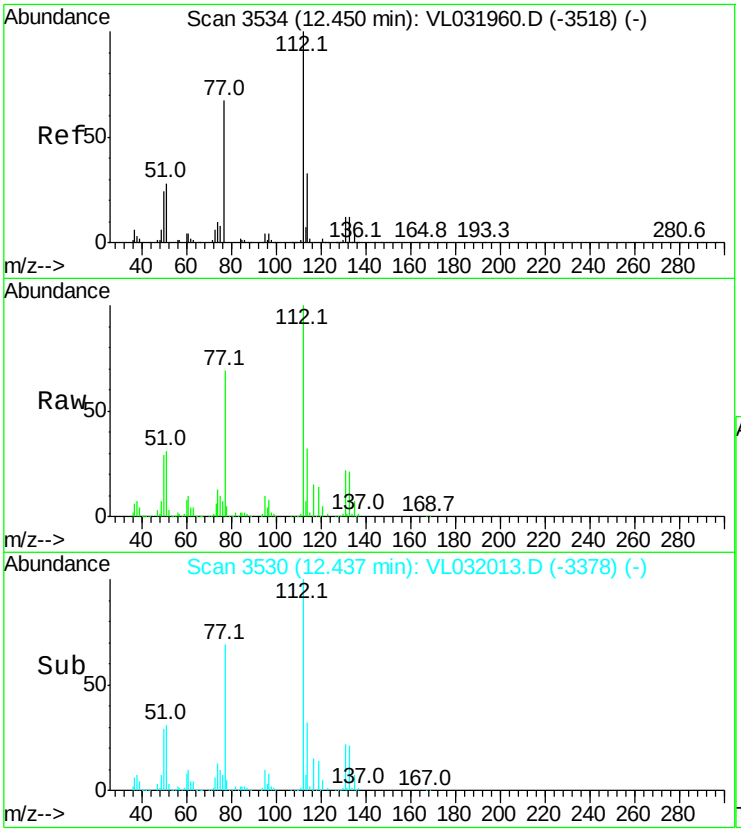


#56
1,1,1,2-Tetrachloroethane
Concen: 8.04 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:131 Resp: 1158081

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.2	114.4
119	57.3	44.7	67.1



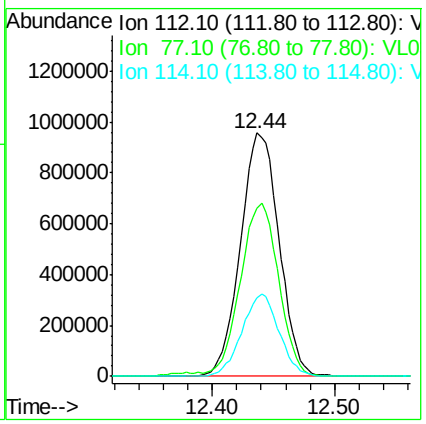


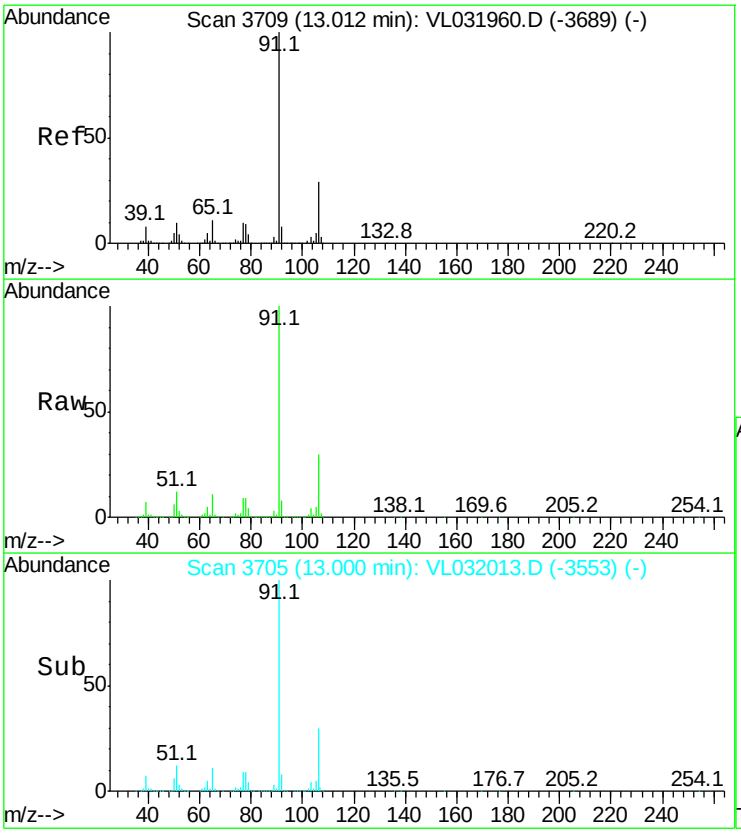
#57
Chlorobenzene
Concen: 7.64 ppbv
RT: 12.44 min Scan# 3530
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:112 Resp: 2084552

Ion	Ratio	Lower	Upper
112	100		
77	68.8	54.6	82.0
114	32.0	29.2	35.6

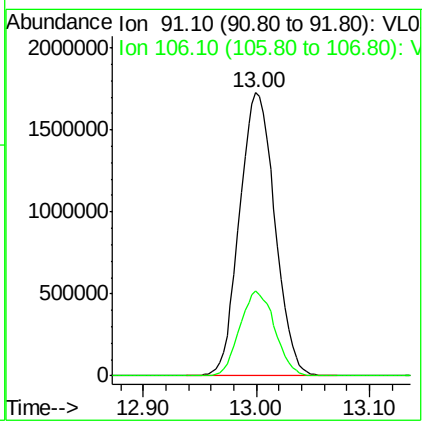


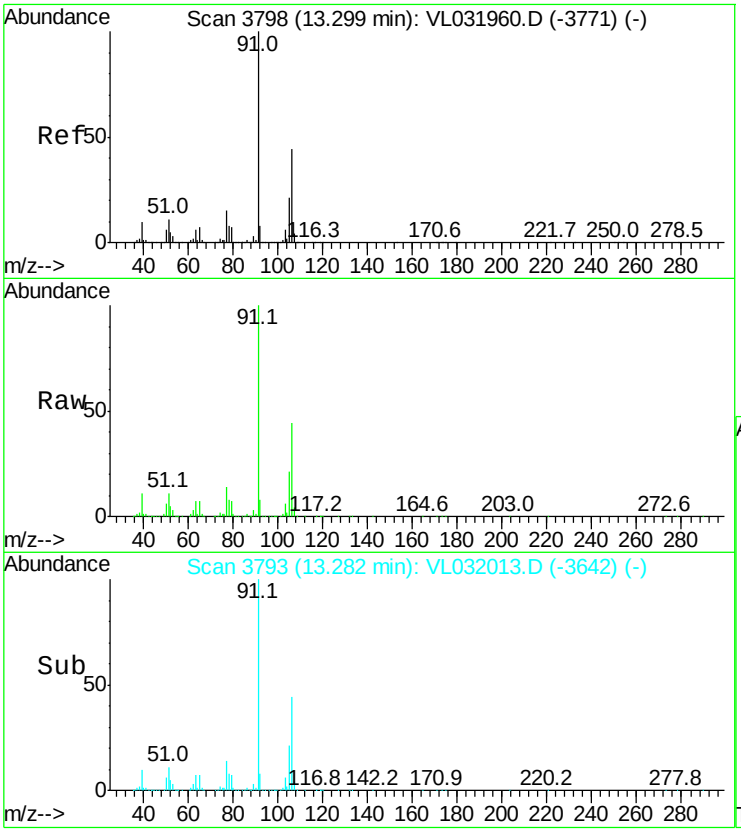


#58
Ethyl Benzene
Concen: 8.28 ppbv
RT: 13.00 min Scan# 3705
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 91 Resp: 3752038

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2



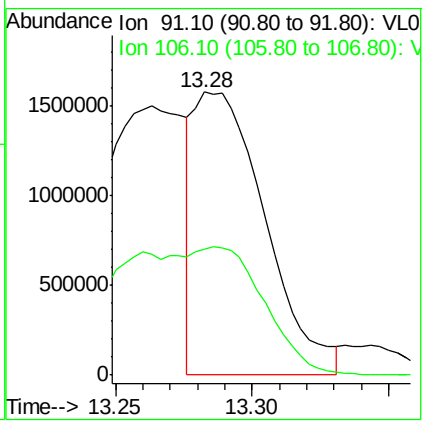


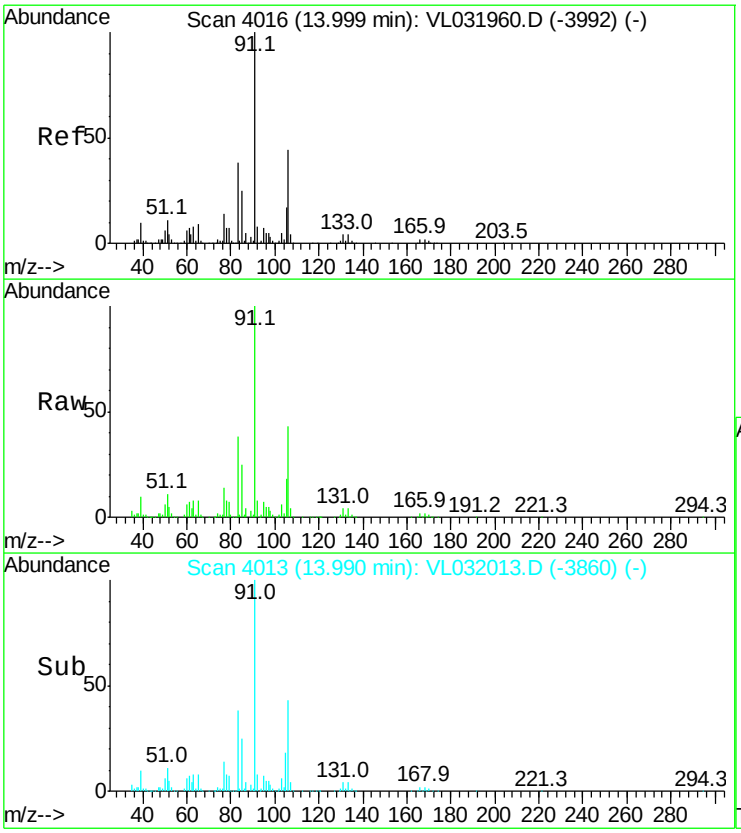
#59
m/p-Xylene
Concen: 7.35 ppbv
RT: 13.28 min Scan# 3793
Delta R.T. -0.02 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 91 Resp: 2823556

Ion	Ratio	Lower	Upper
91	100		
106	98.4	35.9	53.9#

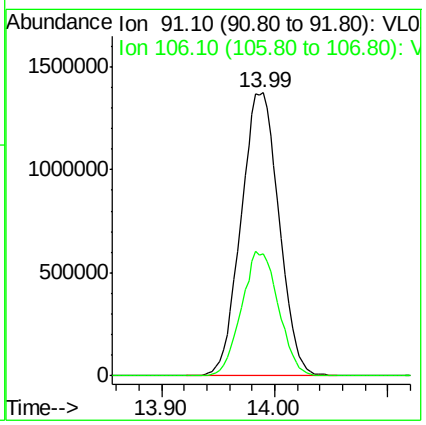


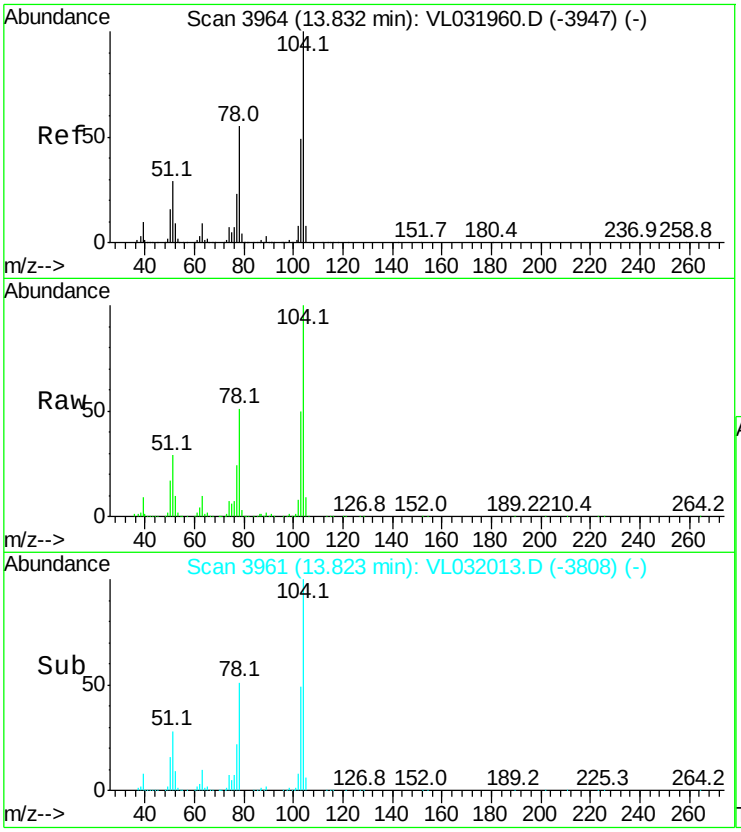


#60
o-Xylene
Concen: 8.31 ppbv
RT: 13.99 min Scan# 4013
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 91 Resp: 3202538

Ion	Ratio	Lower	Upper
91	100		
106	42.9	21.5	64.5



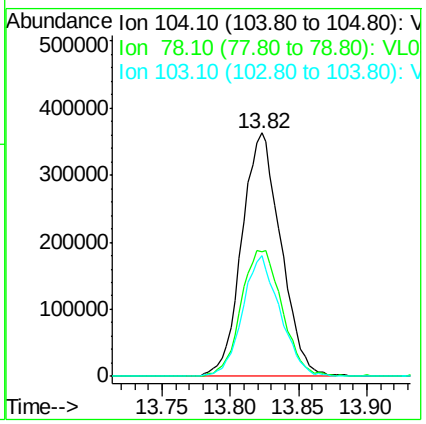


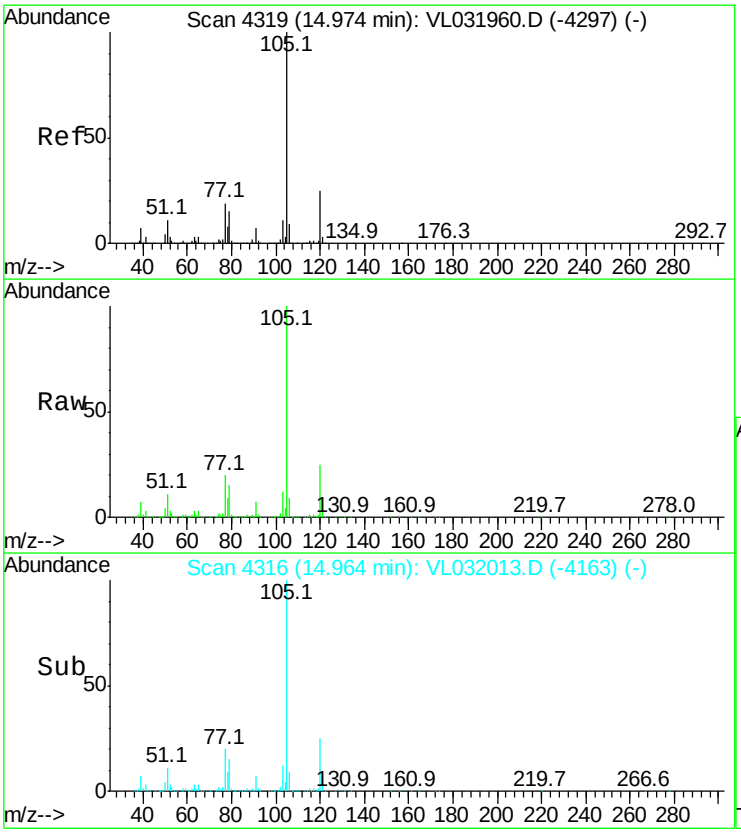
#61
Styrene
Concen: 9.23 ppbv
RT: 13.82 min Scan# 3961
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:104 Resp: 721489

Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.8	65.8
103	47.7	38.4	57.6

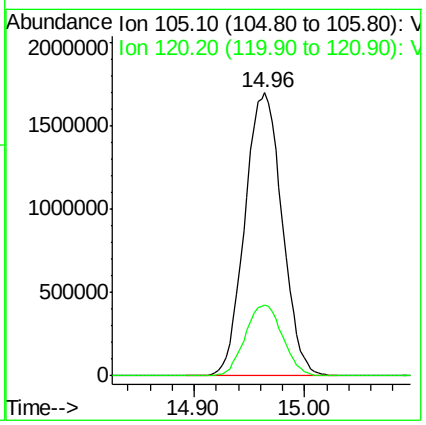


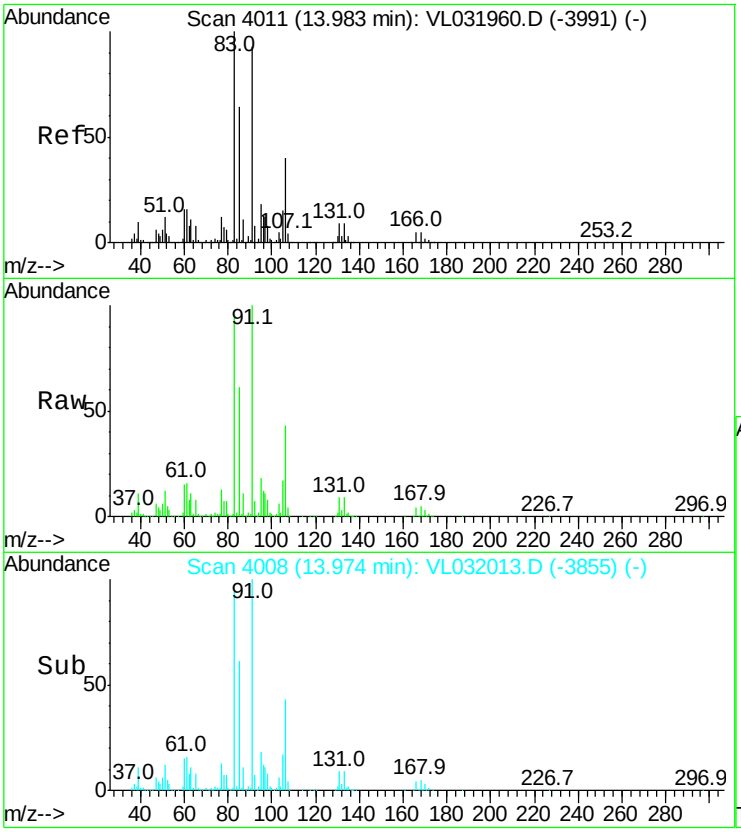


#62
Isopropylbenzene
Concen: 8.07 ppbv
RT: 14.96 min Scan# 4316
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:105 Resp: 3974010

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.9	29.9



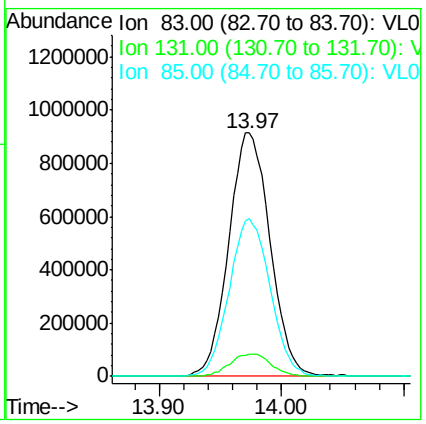


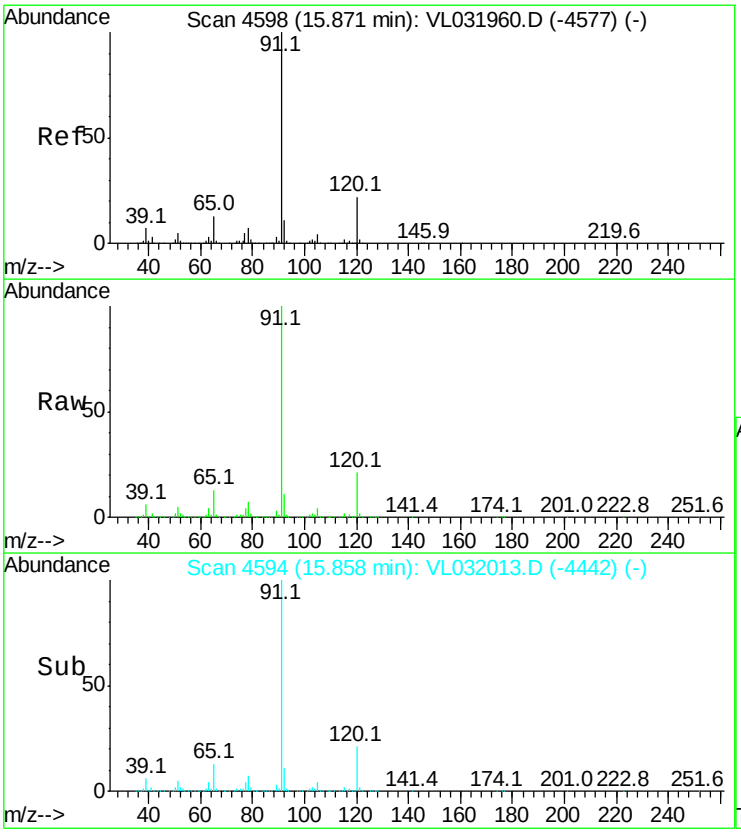
#63
1,1,2,2-Tetrachloroethane
Concen: 7.76 ppbv
RT: 13.97 min Scan# 4008
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 83 Resp: 2125832

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	65.1	32.7	98.1

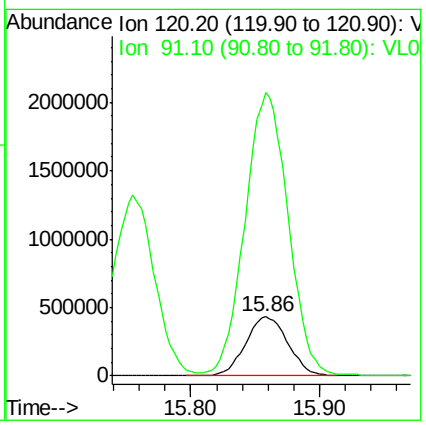


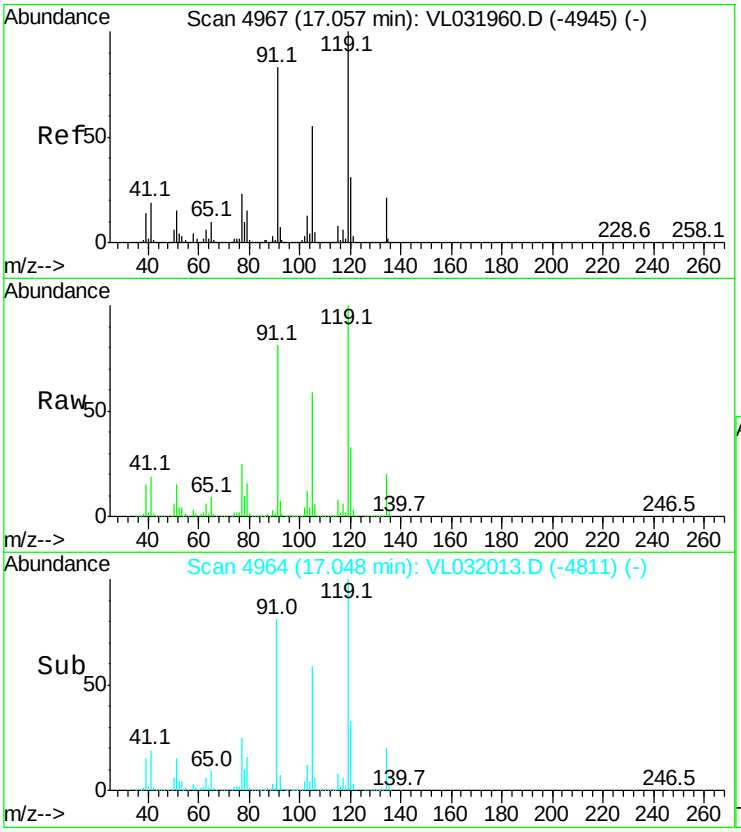


#64
n-propylbenzene
Concen: 7.99 ppbv
RT: 15.86 min Scan# 4594
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:120 Resp: 987799

Ion	Ratio	Lower	Upper
120	100		
91	490.1	388.6	583.0



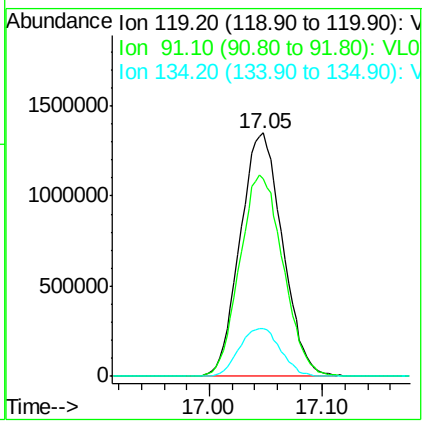


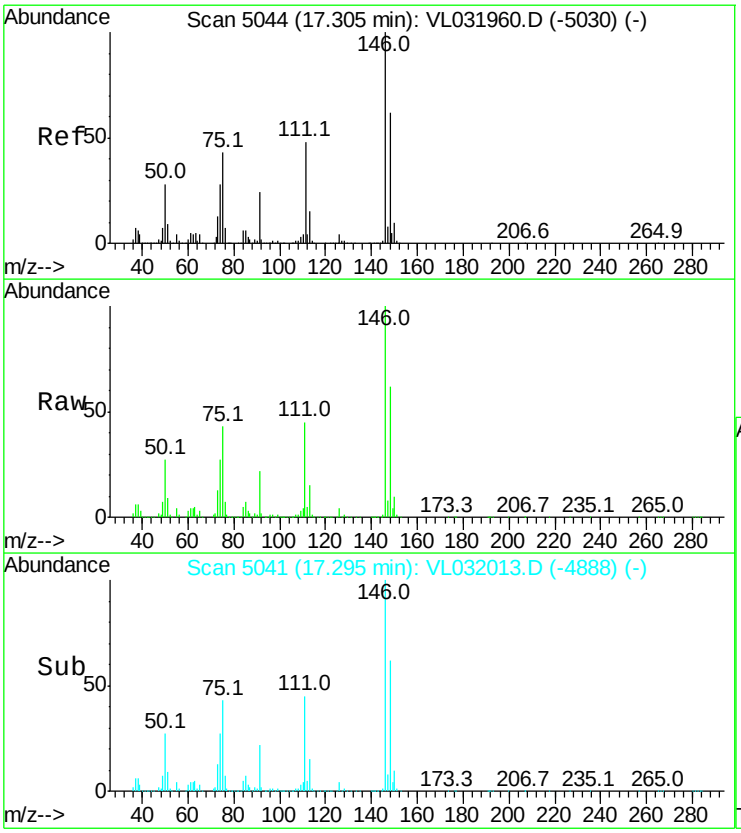
#65
tert-Butylbenzene
Concen: 7.99 ppbv
RT: 17.05 min Scan# 4964
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:119 Resp: 3511941

Ion	Ratio	Lower	Upper
119	100		
91	84.7	68.1	102.1
134	19.5	15.4	23.0

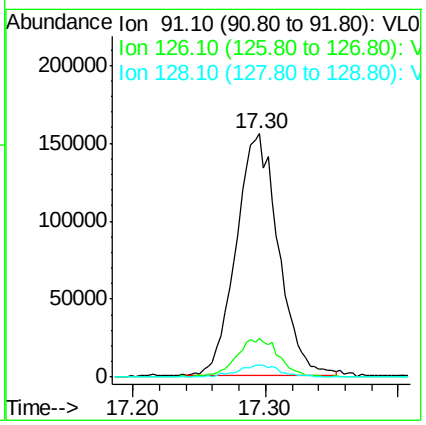


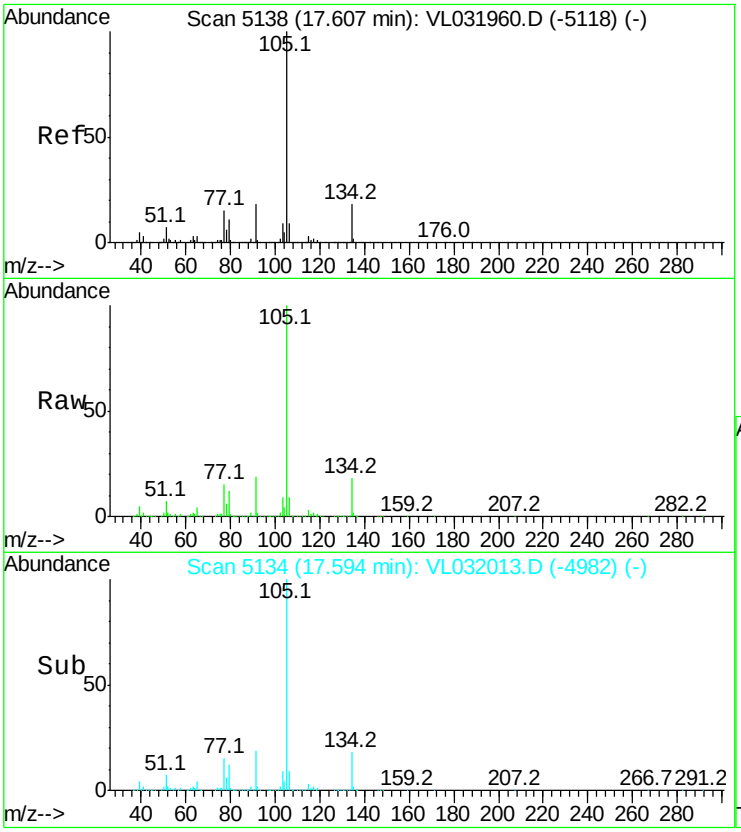


#66
Benzyl Chloride
Concen: 8.54 ppbv
RT: 17.30 min Scan# 5041
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 91 Resp: 340958

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.4	20.0
128	5.3	4.6	6.8



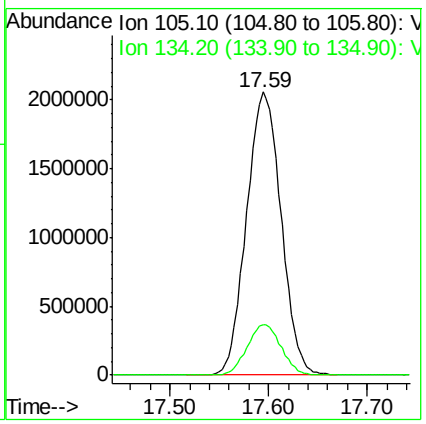


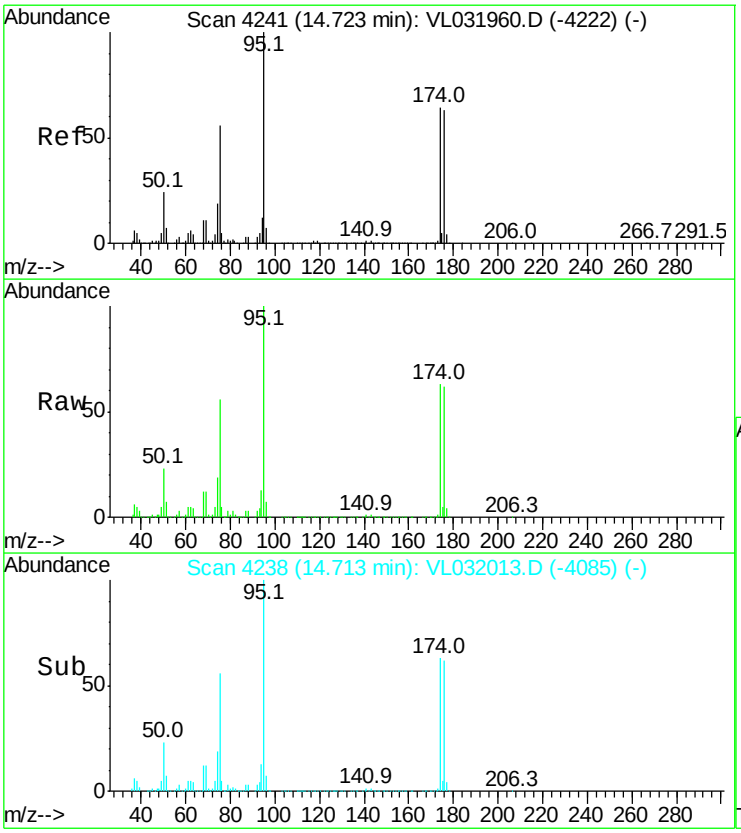
#67
sec-Butylbenzene
Concen: 8.14 ppbv
RT: 17.59 min Scan# 5134
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:105 Resp: 4963769

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.2	21.4

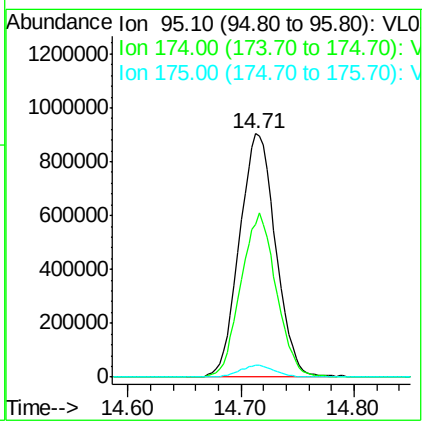


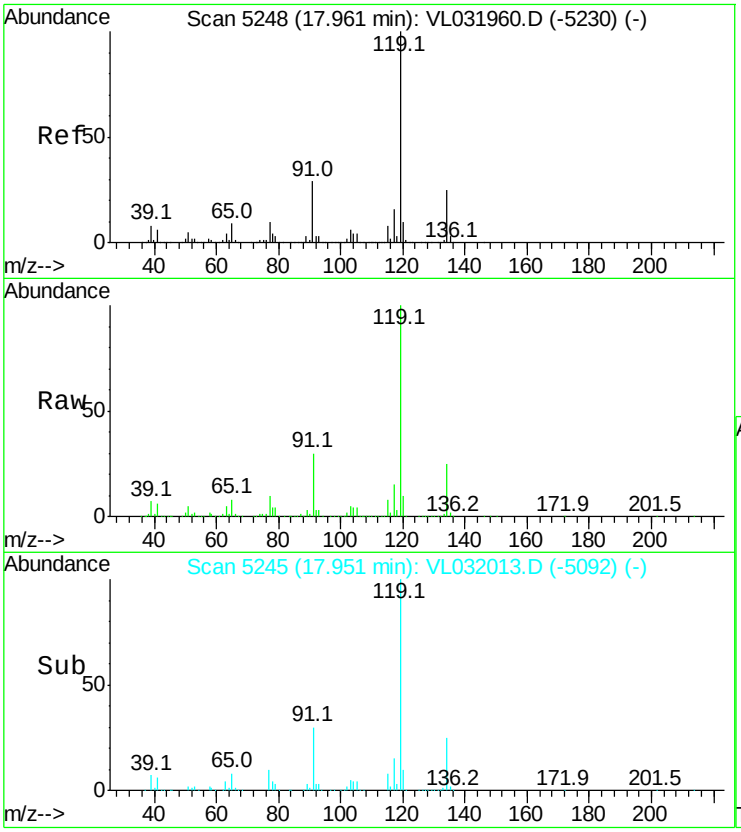


#68
1-Bromo-4-Fluorobenzene
Concen: 8.19 ppbv
RT: 14.71 min Scan# 4238
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 95 Resp: 2009132

Ion	Ratio	Lower	Upper
95	100		
174	66.3	53.0	79.6
175	4.7	3.9	5.9



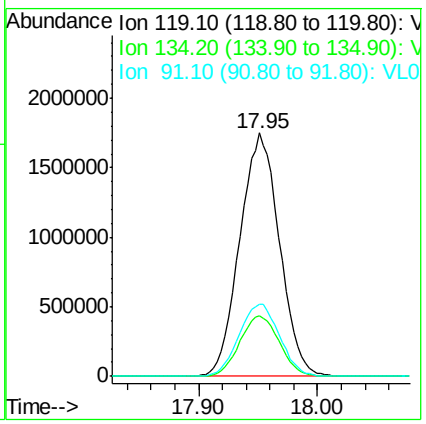


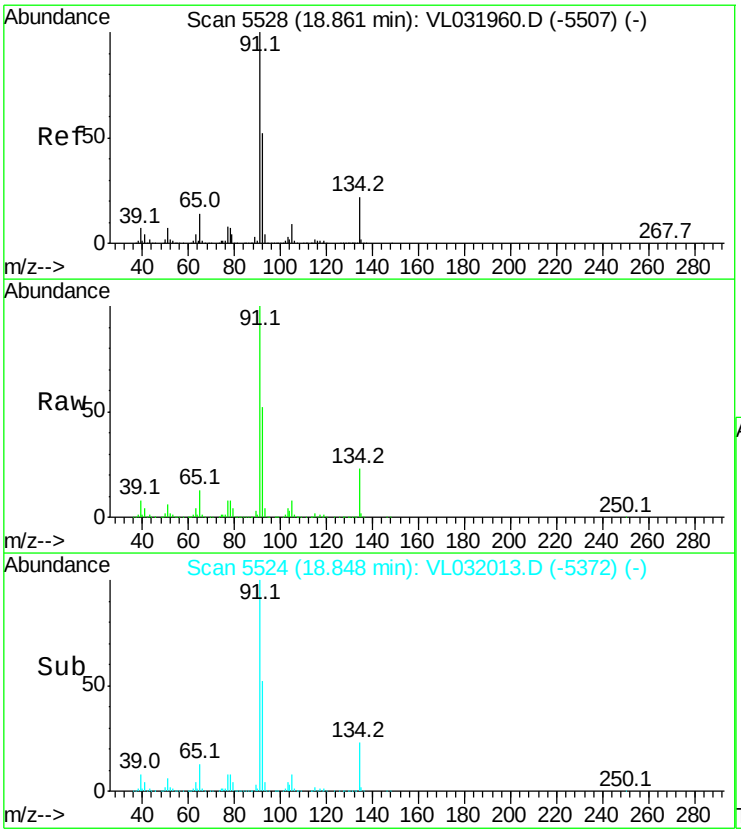
#69
p-Isopropyltoluene
Concen: 8.20 ppbv
RT: 17.95 min Scan# 5245
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:119 Resp: 4022713

Ion	Ratio	Lower	Upper
119	100		
134	25.1	19.8	29.8
91	30.7	23.8	35.6

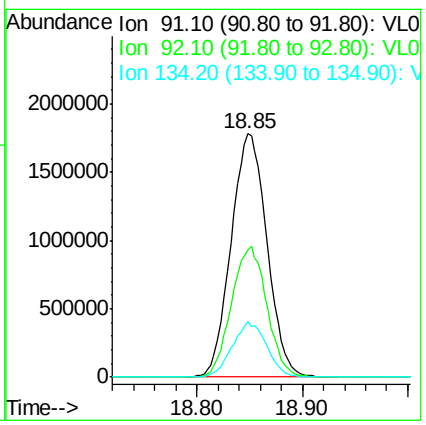


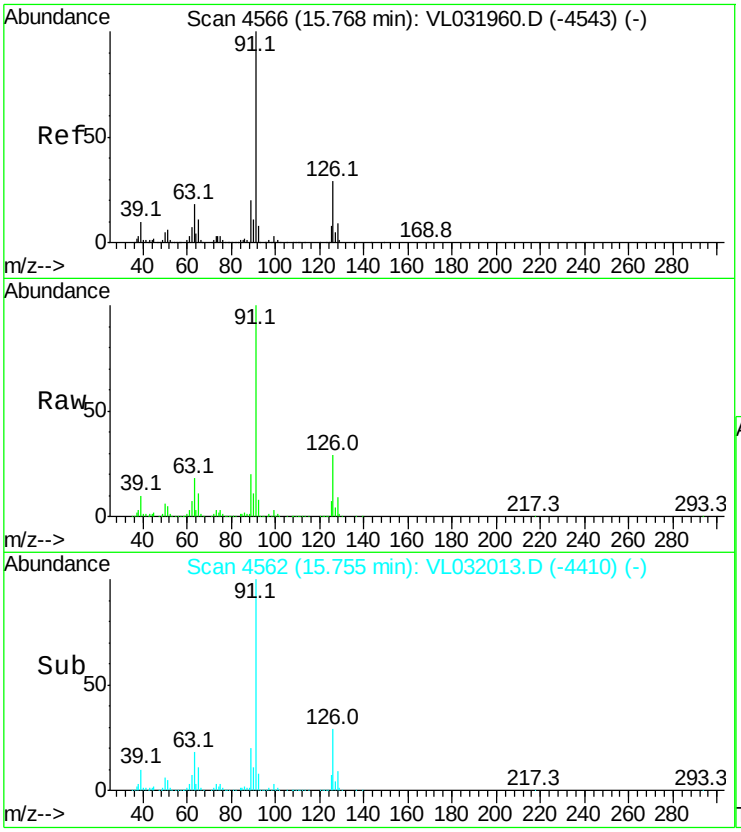


#70
n-Butylbenzene
Concen: 8.28 ppbv
RT: 18.85 min Scan# 5524
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion: 91 Resp: 4201975

Ion	Ratio	Lower	Upper
91	100		
92	52.9	41.8	62.8
134	21.8	17.6	26.4



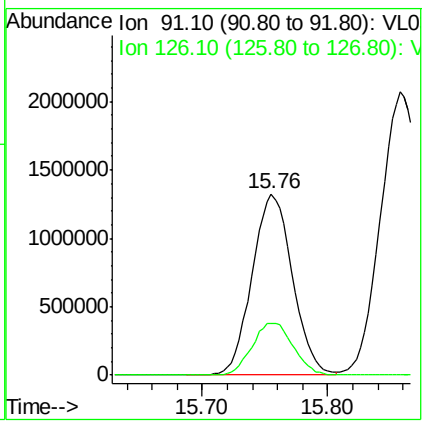


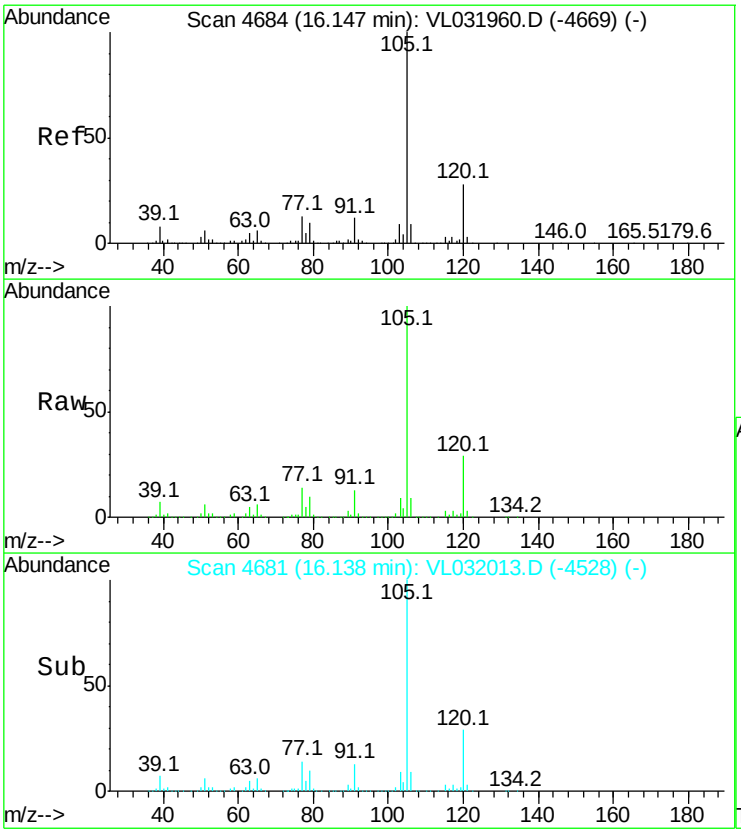
#71
2-Chlorotoluene
Concen: 8.22 ppbv
RT: 15.76 min Scan# 4562
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion: 91 Resp: 2966257

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.8	47.2

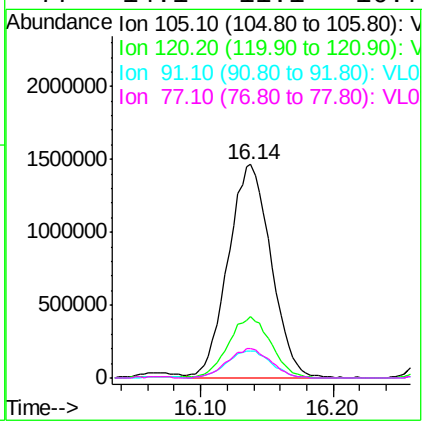


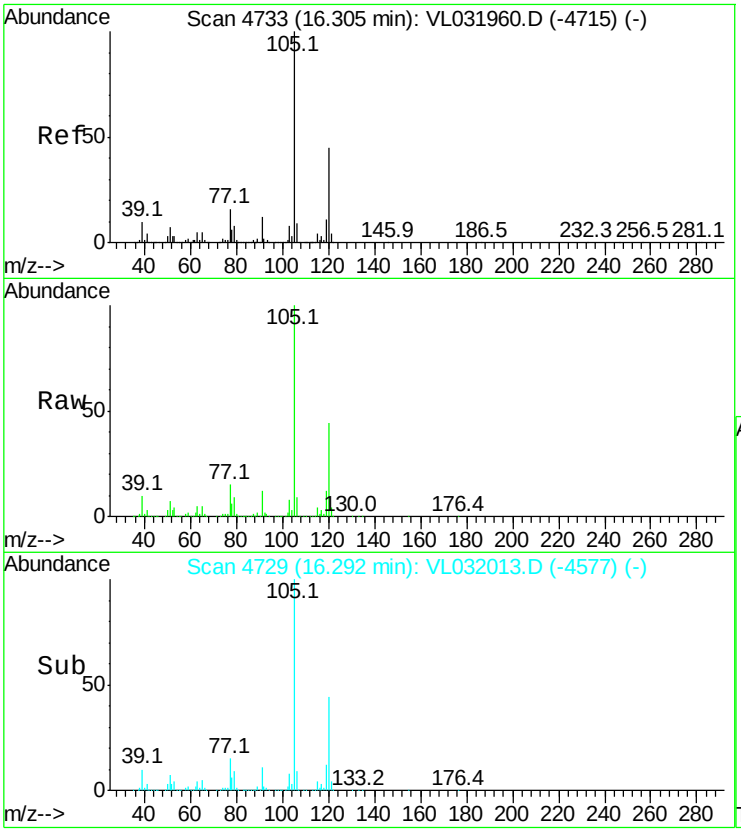


#72
4-Ethyltoluene
Concen: 8.35 ppbv
RT: 16.14 min Scan# 4681
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:105 Resp: 3267700

Ion	Ratio	Lower	Upper
105	100		
120	29.4	22.6	33.8
91	13.1	10.5	15.7
77	14.1	11.1	16.7



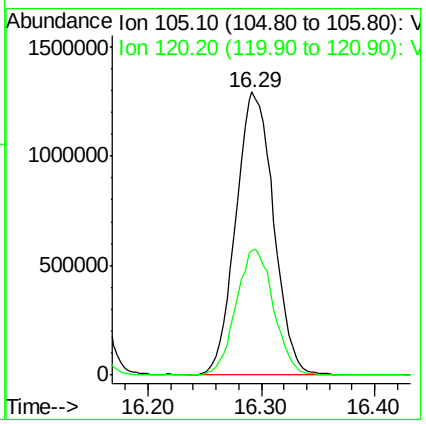


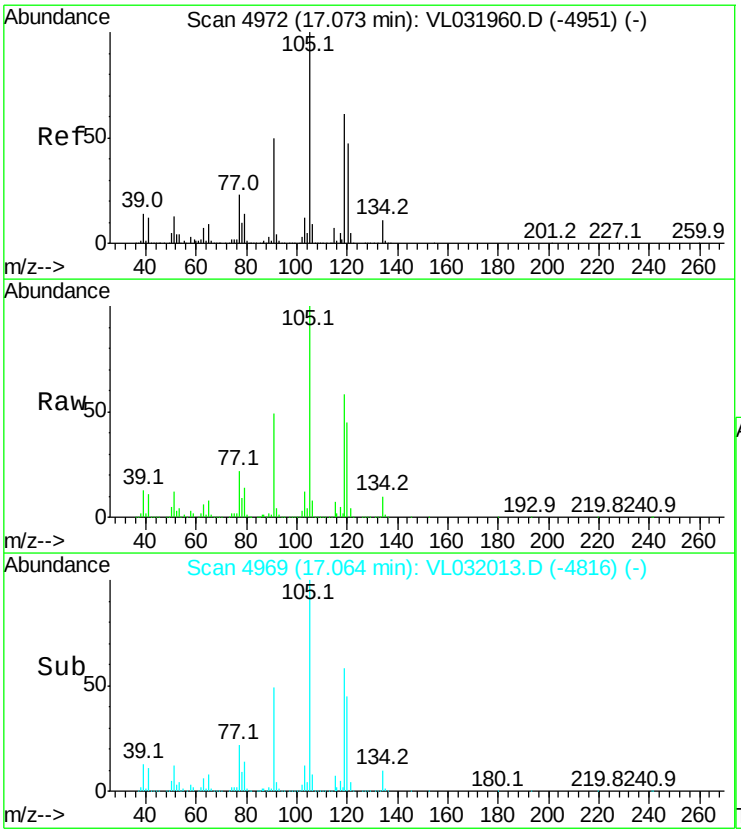
#73
1,3,5-Trimethylbenzene
Concen: 8.28 ppbv
RT: 16.29 min Scan# 4729
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Tgt Ion:105 Resp: 2996517

Ion	Ratio	Lower	Upper
105	100		
120	44.2	36.0	54.0

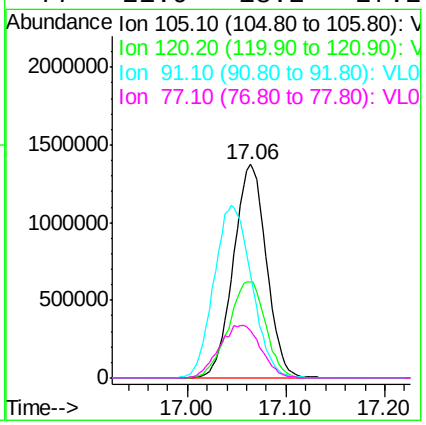


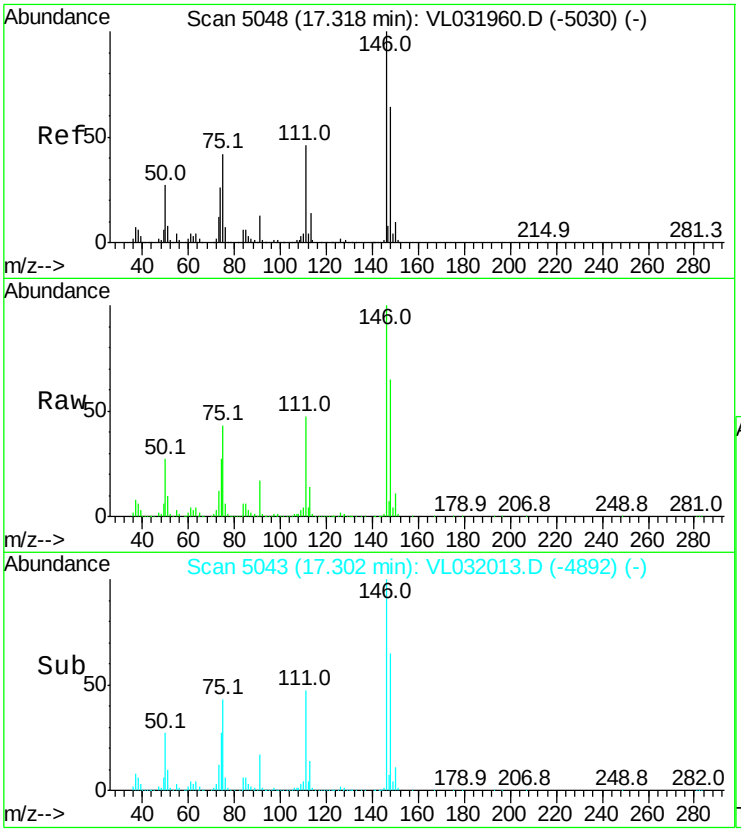


#74
1,2,4-Trimethylbenzene
Concen: 7.96 ppbv
RT: 17.06 min Scan# 4969
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:105 Resp: 3188524

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.8	56.6
91	48.5	40.5	60.7
77	21.9	18.2	27.2



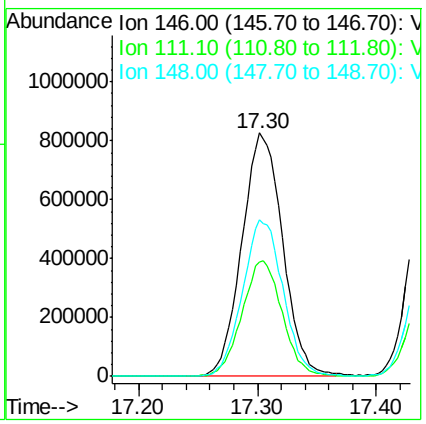


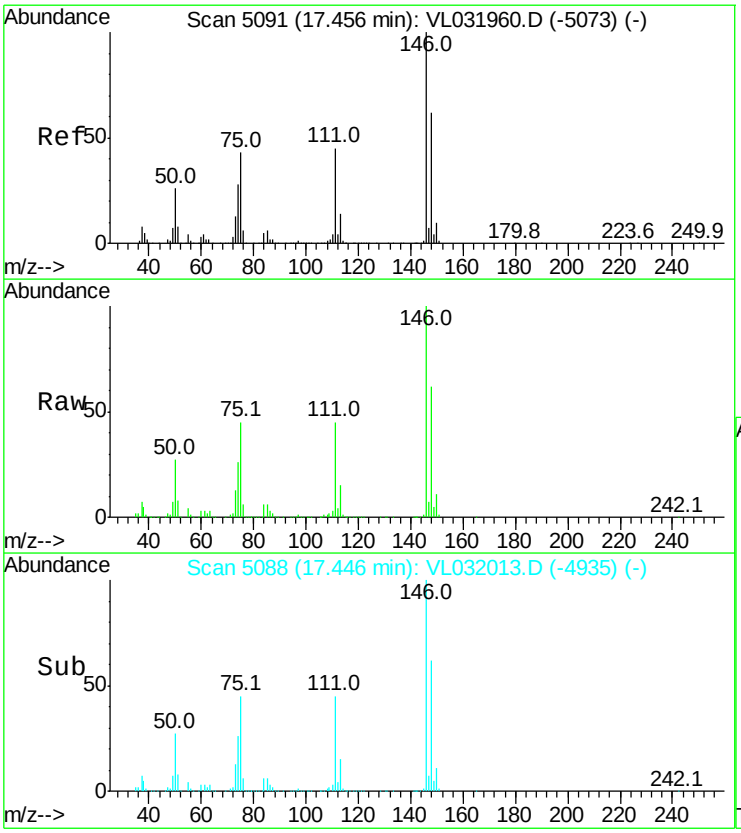
#75
1,3-Dichlorobenzene
Concen: 7.94 ppbv
RT: 17.30 min Scan# 5043
Delta R.T. -0.02 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:146 Resp: 1960164

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.5	70.5
148	64.1	32.3	96.8

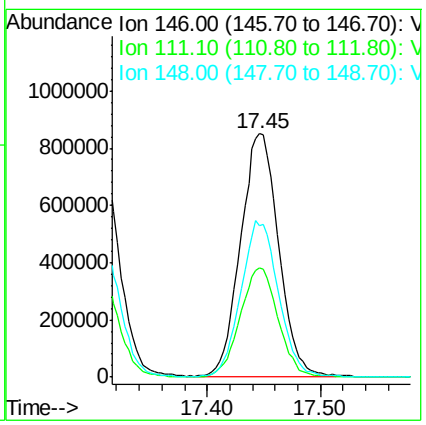


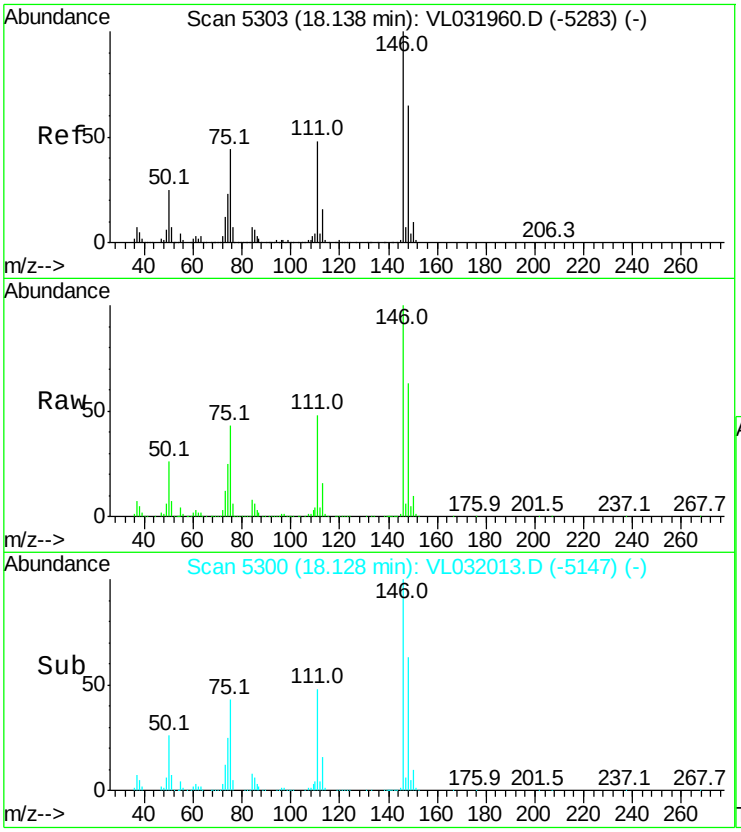


#76
1,4-Dichlorobenzene
Concen: 8.10 ppbv
RT: 17.45 min Scan# 5088
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:146 Resp: 1980023

Ion	Ratio	Lower	Upper
146	100		
111	44.9	23.0	69.0
148	64.1	32.4	97.2



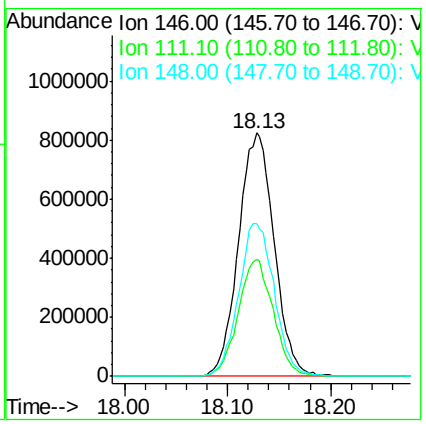


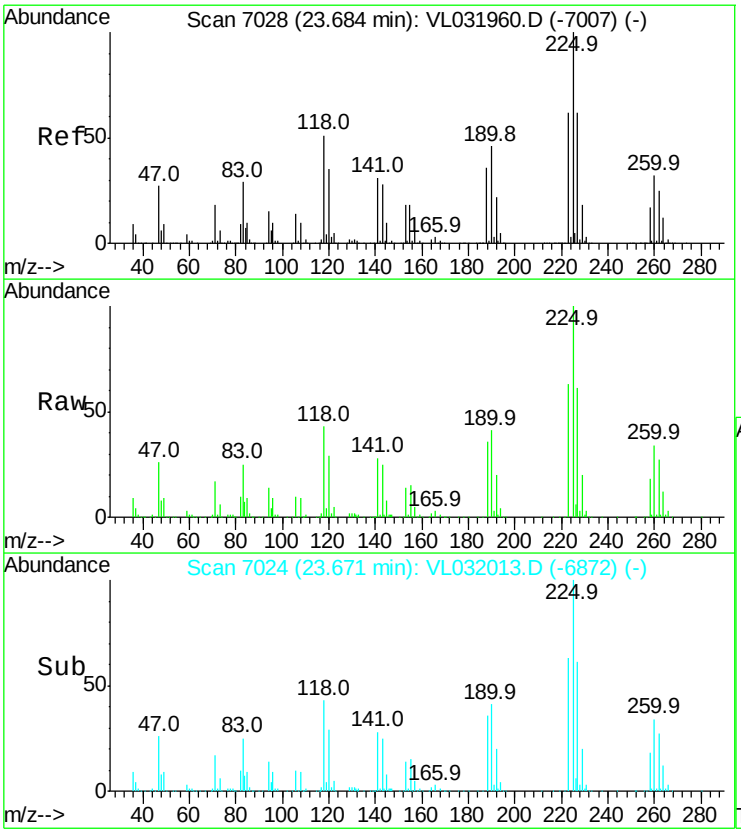
#77
1,2-Dichlorobenzene
Concen: 7.98 ppbv
RT: 18.13 min Scan# 5300
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:146 Resp: 1984326

Ion	Ratio	Lower	Upper
146	100		
111	47.2	24.2	72.6
148	62.9	32.0	96.2

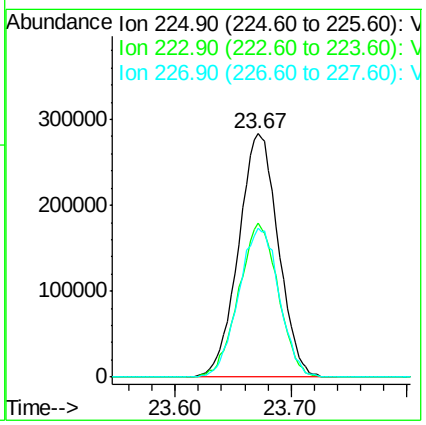


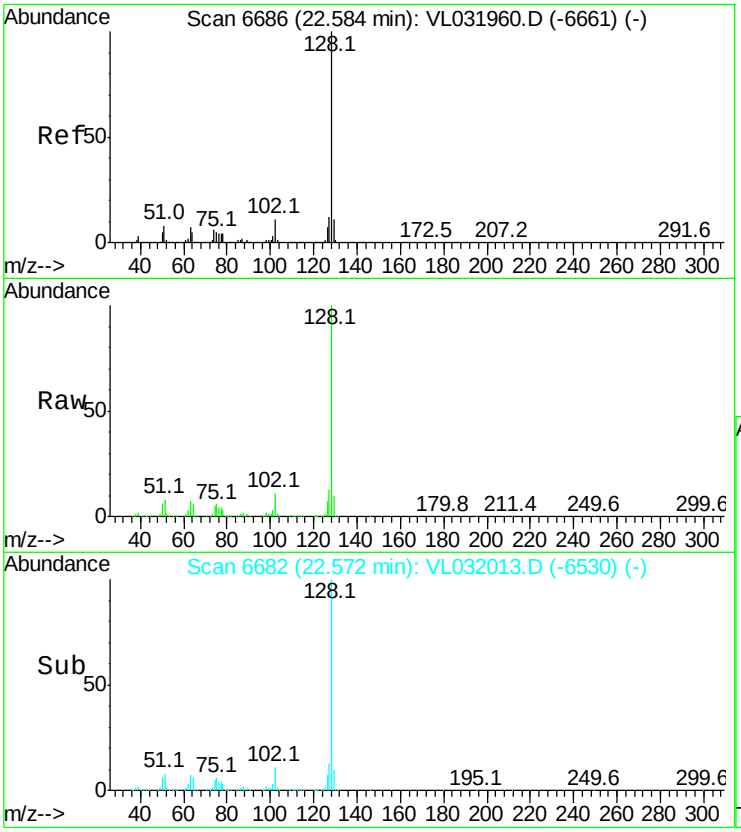


#78
Hexachloro-1,3-Butadiene
Concen: 5.97 ppbv
RT: 23.67 min Scan# 7024
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:225 Resp: 674637

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.8	76.2
227	62.6	50.9	76.3



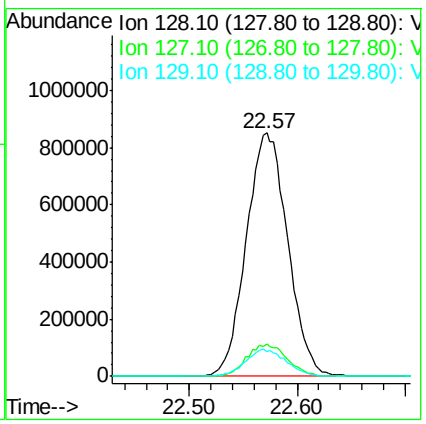


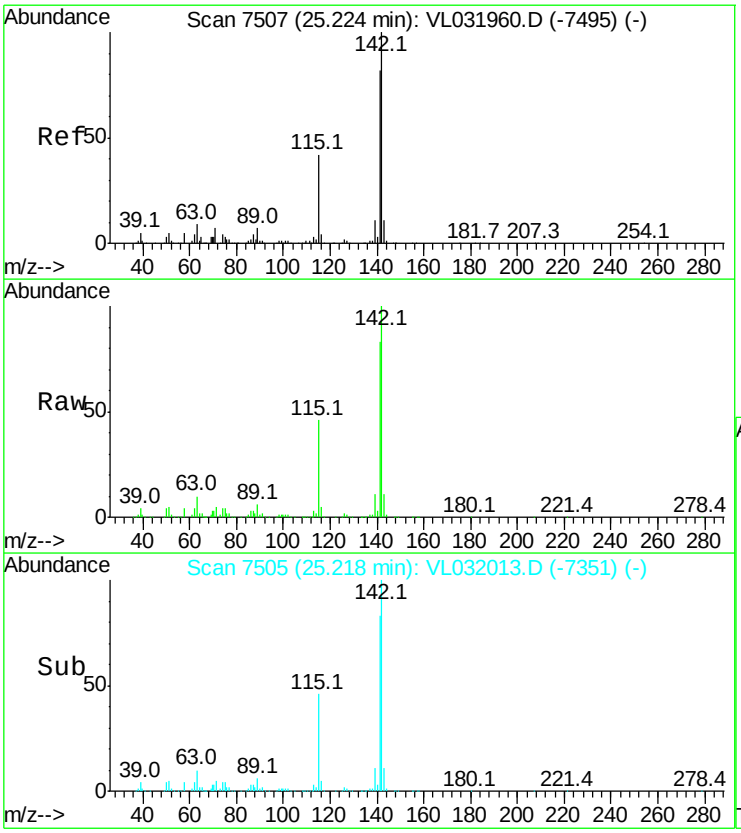
#79
Naphthalene
Concen: 8.12 ppbv
RT: 22.57 min Scan# 6682
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:128 Resp: 2263625

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.0	15.0
129	10.2	9.0	13.4

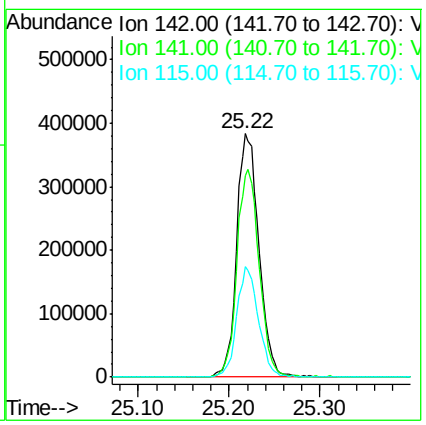


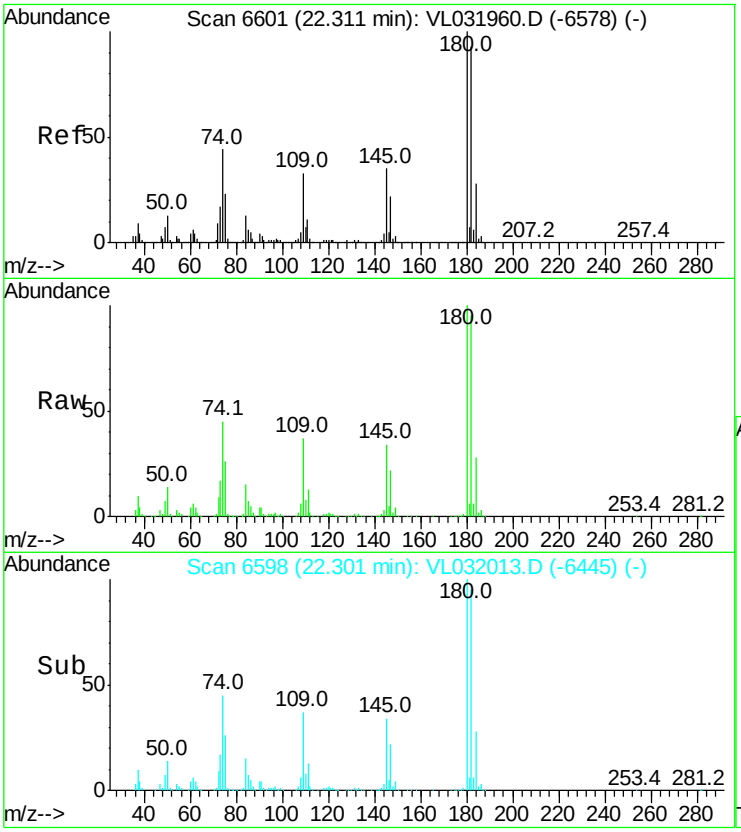


#80
Naphthalene,2-methyl-
Concen: 9.74 ppbv
RT: 25.22 min Scan# 7505
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Tgt Ion:142 Resp: 647606

Ion	Ratio	Lower	Upper
142	100		
141	86.0	67.9	101.9
115	44.6	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 7.73 ppbv
RT: 22.30 min Scan# 6598
Delta R.T. -0.01 min
Lab File: VL032013.D
Acq: 17 May 2018 9:31

Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

Tgt Ion:180 Resp: 1194108

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	114.8
184	30.2	24.0	36.0