Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031278.D
Acq On : 20 Dec 2017 20:41
Operator : SY/AP
Sample : I7005-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP1-SV-2DL

Quant Time: Dec 21 08:38:39 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1707970	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	3952403	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	3887290	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	3051838	11.04	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	13629	0.09	ppbv		91
3) Chlorodifluoromethane	3.12	51	6220	0.03	ppbv		93
9) Propene	3.14	41	117167	1.23	ppbv		90
10) Heptane	8.41	43	25454	0.09	ppbv		94
13) Ethanol	3.78	45	37655	1.37	ppbv		93
15) Acetone	4.03	43	475823	2.11	ppbv	#	77
16) 1,3-Butadiene	3.46	39	177722	1.83	ppbv	#	15
17) tert-Butyl alcohol	4.51	59	61859	0.49	ppbv		96
19) Isopropyl Alcohol	4.18	45	5180	0.04	ppbv	#	41
20) Methylene Chloride	4.54	84	11874	0.16	ppbv		92
23) Vinyl Acetate	5.33	43	16029	0.04	ppbv	#	51
25) Ethyl Acetate	5.93	43	23646	0.05	ppbv	#	81
26) Hexane	5.93	57	30790	0.14	ppbv	#	8
27) Carbon Disulfide	4.76	76	15320	0.07	ppbv	#	56
29) Chloroform	6.00	83	960916	3.26	ppbv		100
34) 2-Butanone	5.48	43	1098084	3.93	ppbv		99
36) Benzene	7.16	78	35174	0.08	ppbv		96
38) Trichloroethene	8.13	130	21183	0.13	ppbv	#	85
39) 1,2-Dichloropropane	7.45	63	973107	6.57	ppbv	#	27
47) 1,1,2-Trichloroethane	9.87	97	5818	0.04	ppbv	#	61
51) 2-Hexanone	10.41	43	195024	0.60	ppbv	#	28
52) Tetrachloroethene	11.55	164	1994142	12.90	ppbv		95
53) Toluene	10.12	91	15730875	34.62	ppbv		92
57) Chlorobenzene	12.47	112	15064	0.04	ppbv	#	79
58) Ethyl Benzene	13.03	91	724059	1.13	ppbv		98
59) m/p-Xylene	13.29	91	2039627	3.97	ppbv		99
60) o-Xylene	14.02	91	730944	1.41	ppbv		98
61) Styrene	13.86	104	5293	0.04	ppbv	#	1
63) 1,1,2,2-Tetrachloroethane	14.00	83	15838	0.05	ppbv	#	26
72) 4-Ethyltoluene	16.17	105	23788	0.04	ppbv	#	64
73) 1,3,5-Trimethylbenzene	16.32	105	40250	0.08	ppbv	#	86
74) 1,2,4-Trimethylbenzene	17.10	105	33160	0.06	ppbv	#	75

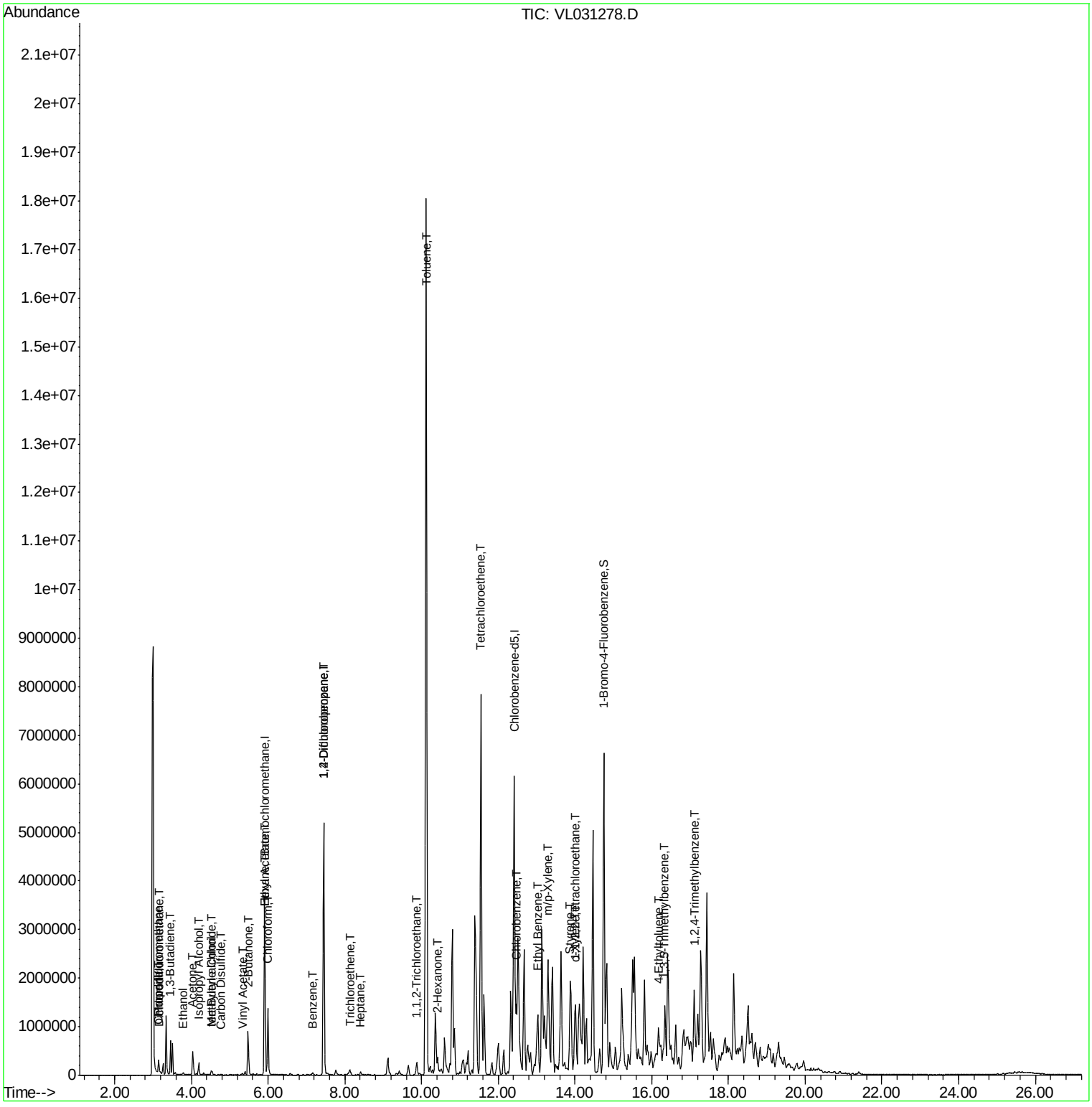
(#) = qualifier out of range (m) = manual integration (+) = signals summed

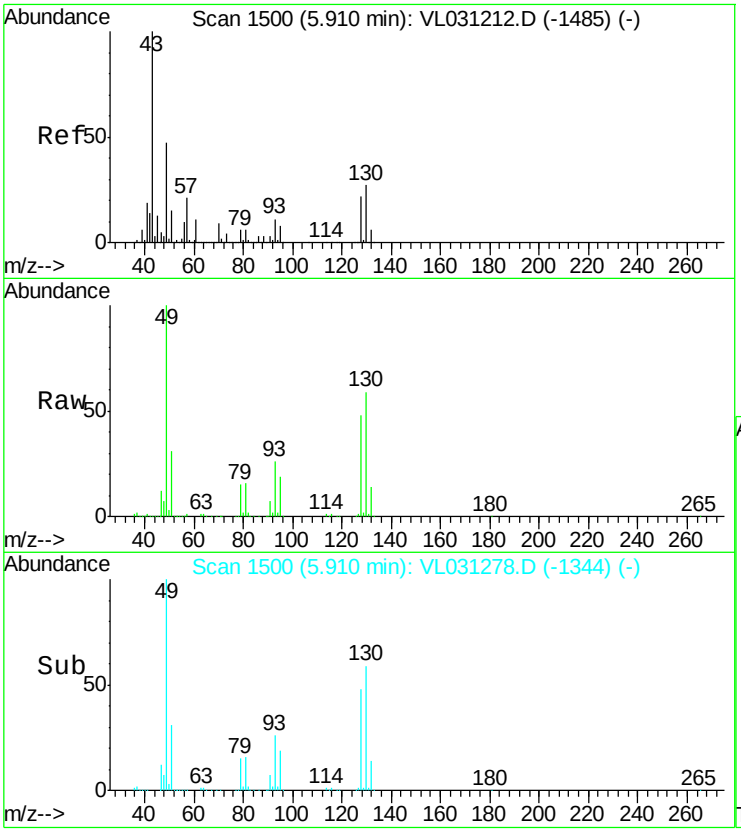
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031278.D
Acq On : 20 Dec 2017 20:41
Operator : SY/AP
Sample : I7005-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Quant Time: Dec 21 08:38:39 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration



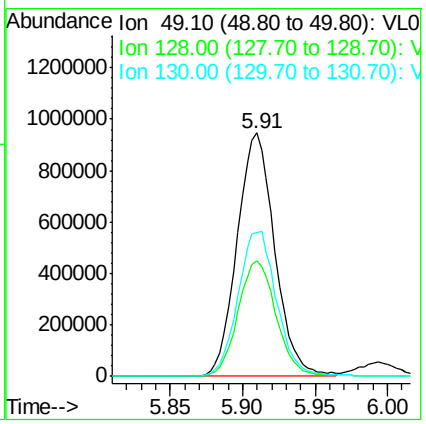


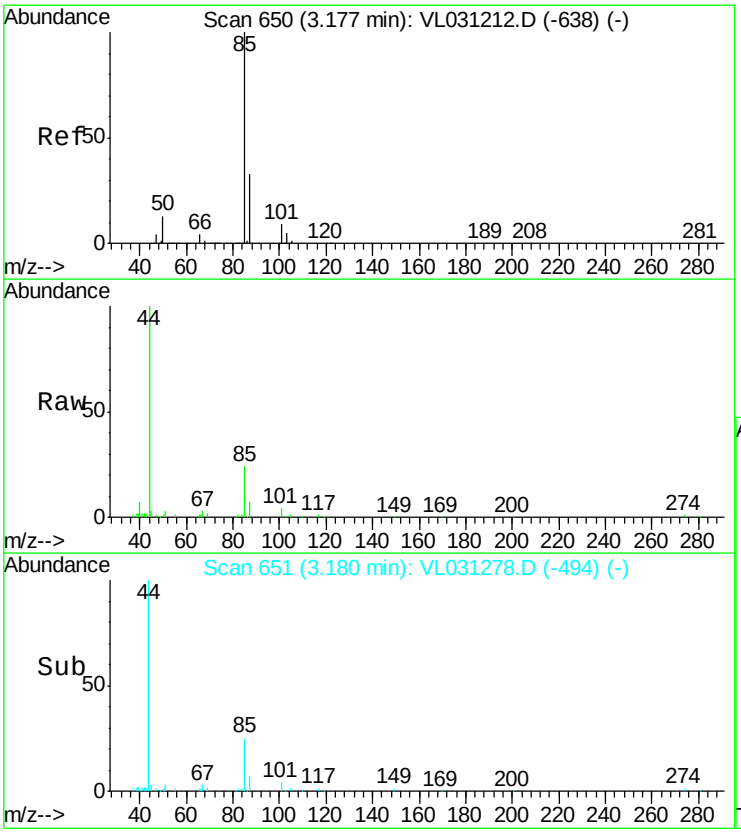
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 49 Resp: 1707970

Ion	Ratio	Lower	Upper
49	100		
128	48.3	23.2	69.5
130	62.0	29.6	88.8

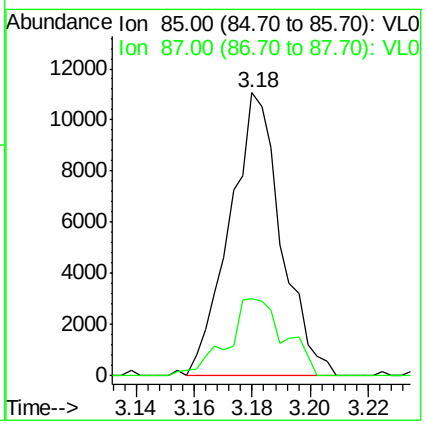


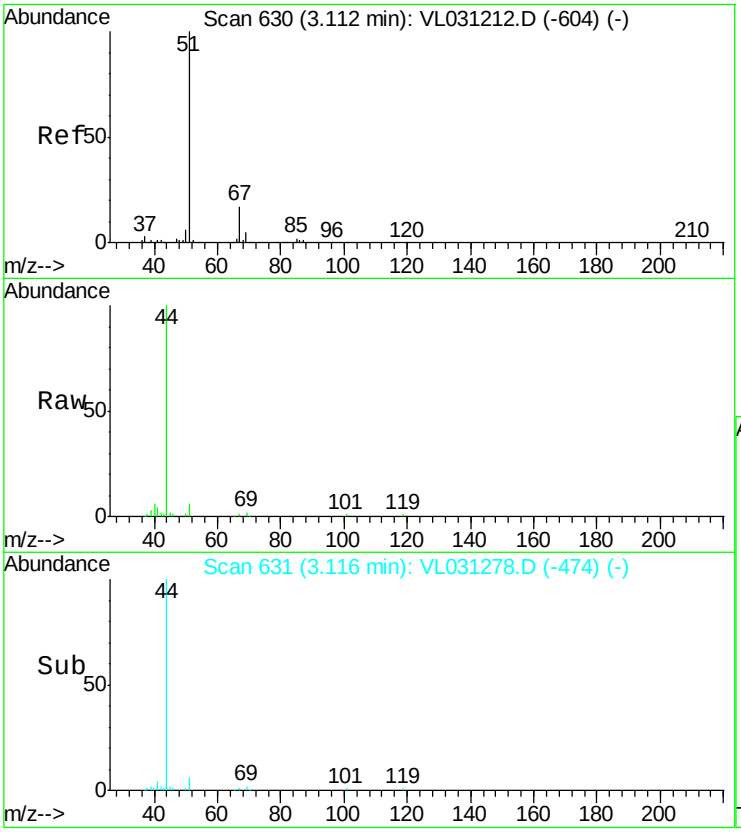


#2
Dichlorodifluoromethane
Concen: 0.09 ppbv
RT: 3.18 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 85 Resp: 13629

Ion	Ratio	Lower	Upper
85	100		
87	27.5	26.2	39.2



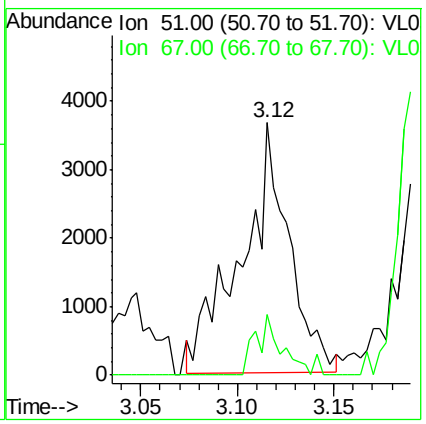


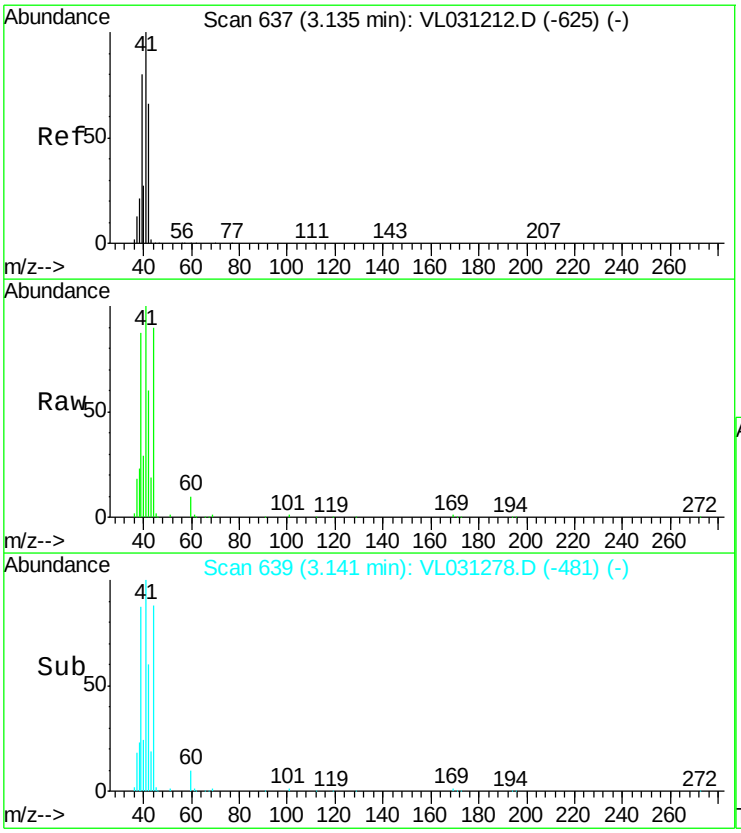
#3
Chlorodifluoromethane
Concen: 0.03 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 51 Resp: 6220

Ion	Ratio	Lower	Upper
51	100		
67	14.0	13.8	20.6

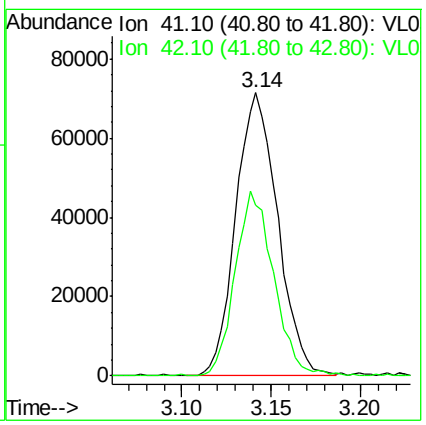


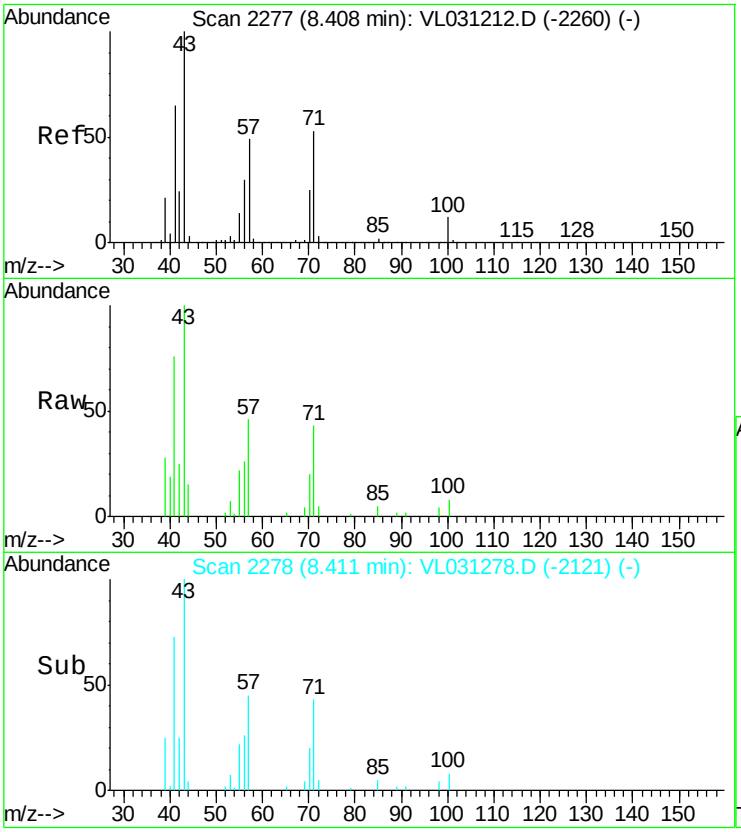


#9
Propene
Concen: 1.23 ppbv
RT: 3.14 min Scan# 639
Delta R.T. 0.01 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 41 Resp: 117167

Ion	Ratio	Lower	Upper
41	100		
42	60.0	54.3	81.5



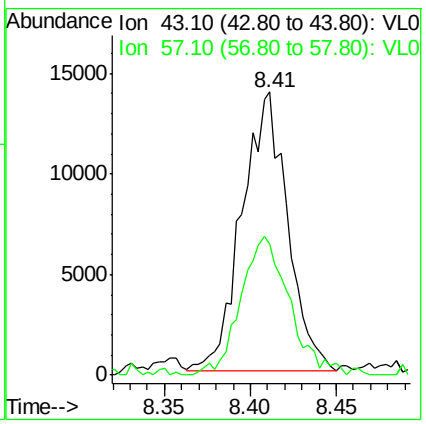


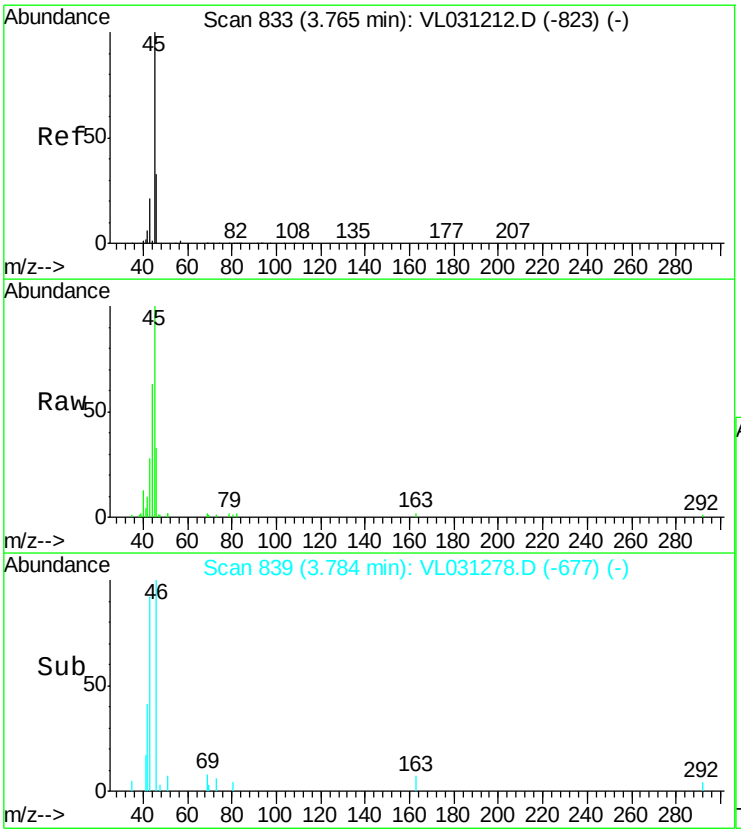
#10
Heptane
Concen: 0.09 ppbv
RT: 8.41 min Scan# 2278
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 43 Resp: 25454

Ion	Ratio	Lower	Upper
43	100		
57	53.9	39.8	59.8

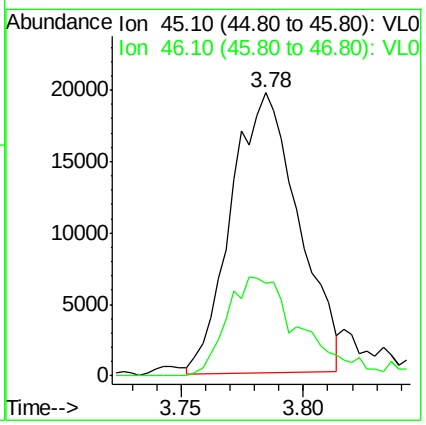


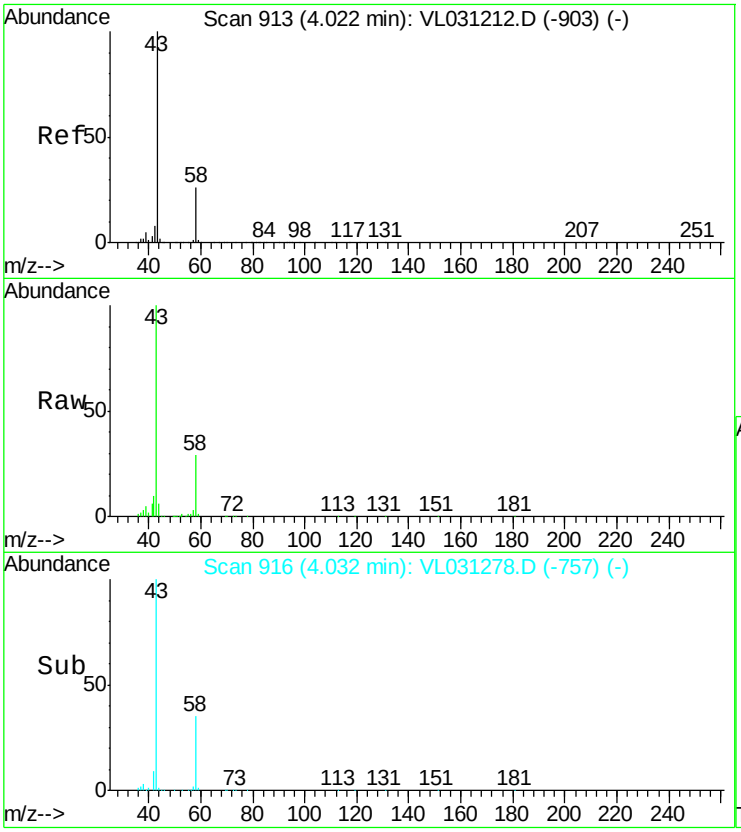


#13
Ethanol
Concen: 1.37 ppbv
RT: 3.78 min Scan# 839
Delta R.T. 0.02 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 45 Resp: 37655

Ion	Ratio	Lower	Upper
45	100		
46	40.8	14.6	58.4



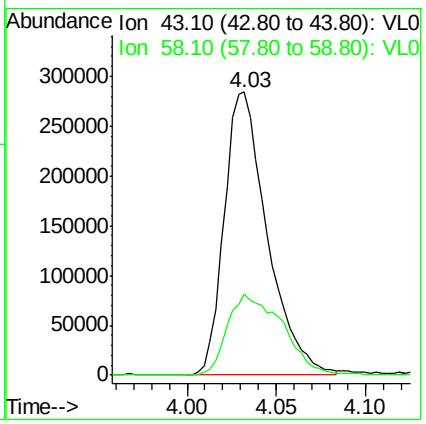


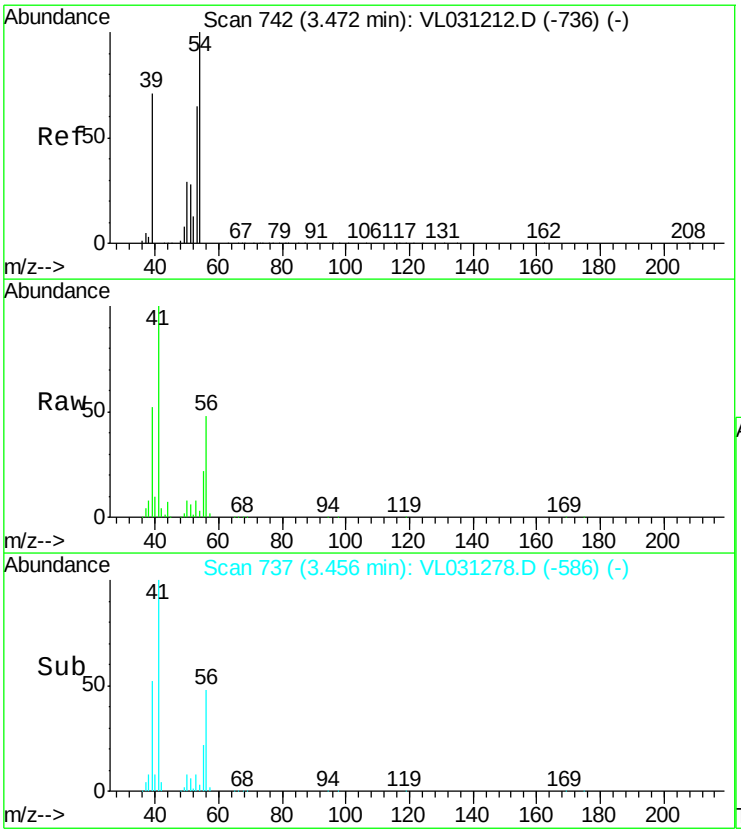
#15
Acetone
Concen: 2.11 ppbv
RT: 4.03 min Scan# 916
Delta R.T. 0.01 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument : MSVOA_L
ClientSampleId : EP1-SV-2DL

Tgt Ion: 43 Resp: 475823

Ion	Ratio	Lower	Upper
43	100		
58	37.1	20.3	30.5#

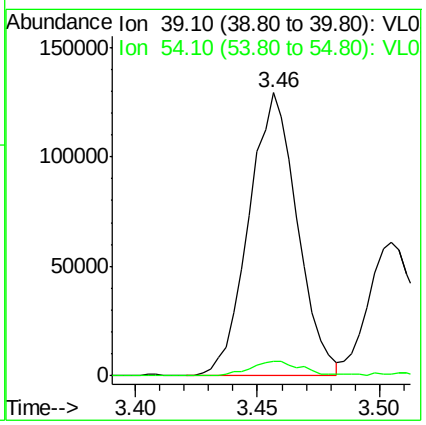


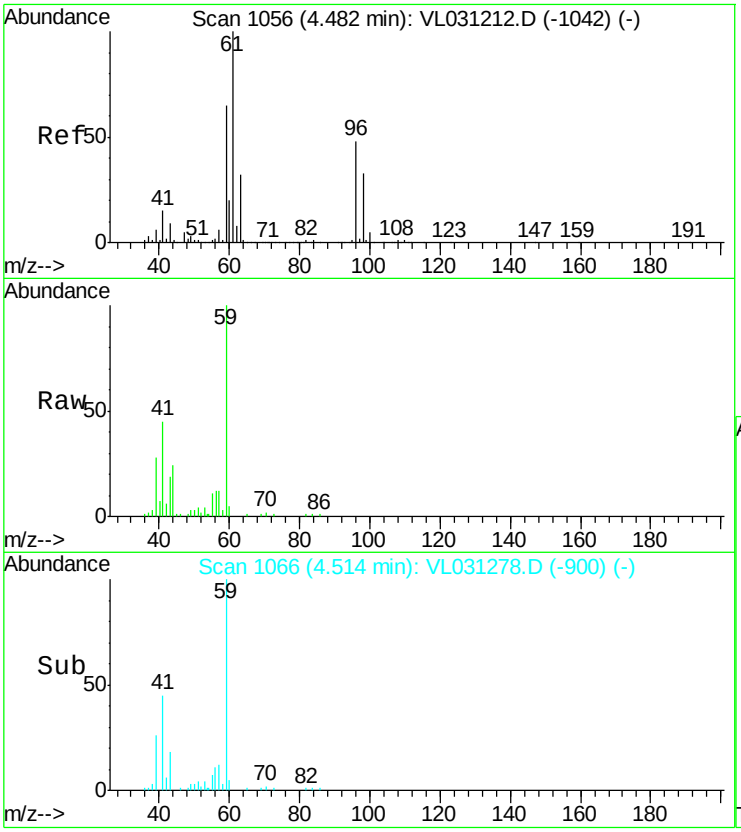


#16
1,3-Butadiene
Concen: 1.83 ppbv
RT: 3.46 min Scan# 737
Delta R.T. -0.02 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 39 Resp: 177722

Ion	Ratio	Lower	Upper
39	100		
54	6.1	66.4	99.6#



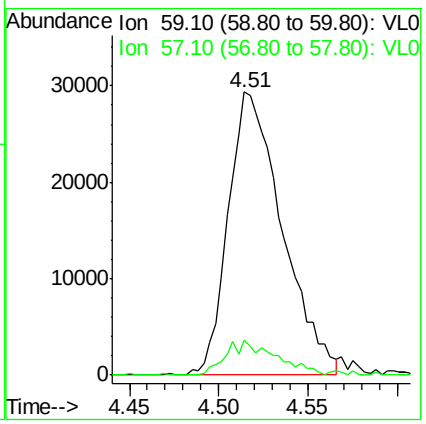


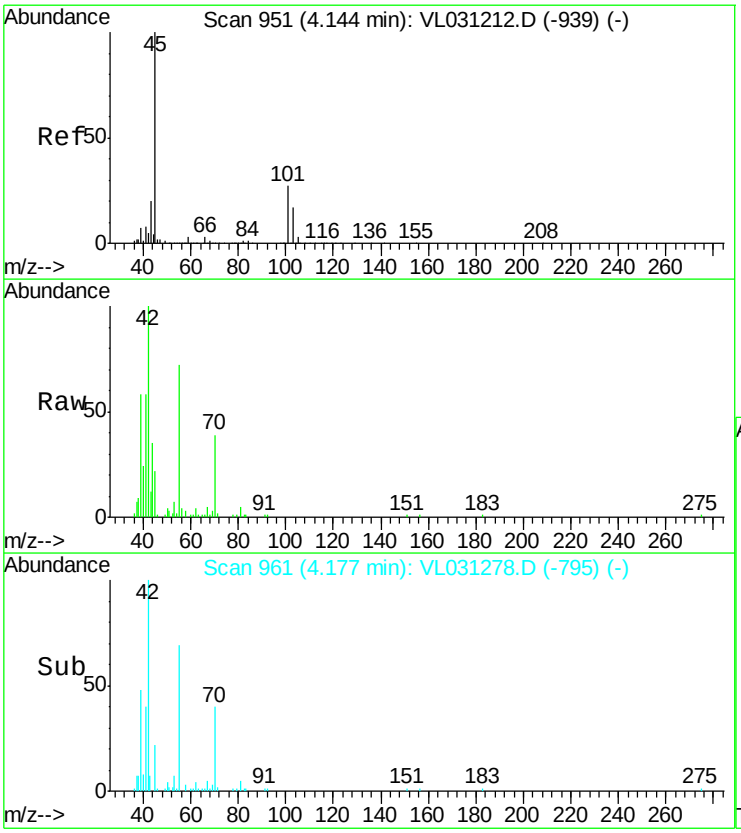
#17
tert-Butyl alcohol
Concen: 0.49 ppbv
RT: 4.51 min Scan# 1066
Delta R.T. 0.03 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 59 Resp: 61859

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.2	12.2

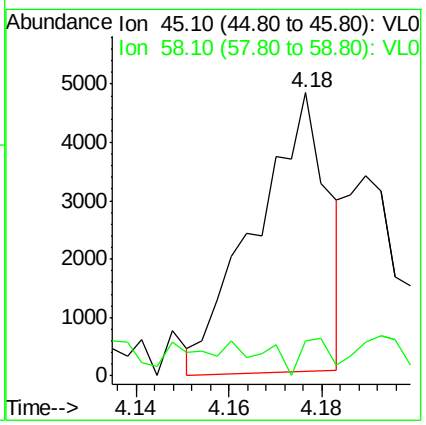


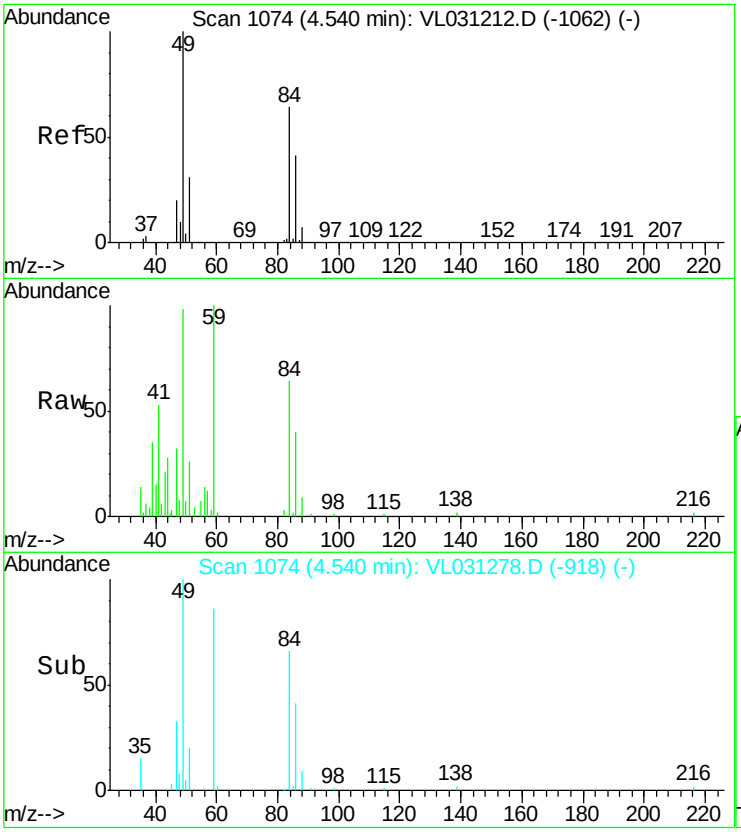


#19
Isopropyl Alcohol
Concen: 0.04 ppbv
RT: 4.18 min Scan# 961
Delta R.T. 0.03 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 45 Resp: 5180

Ion	Ratio	Lower	Upper
45	100		
58	0.0	27.2	40.8#



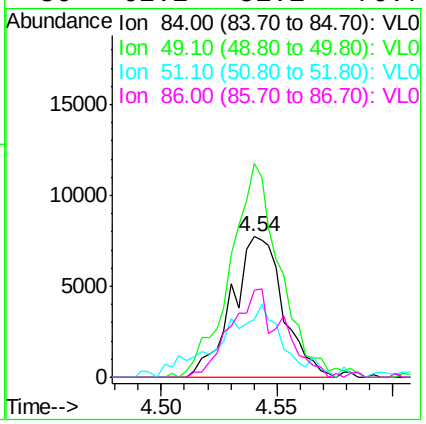


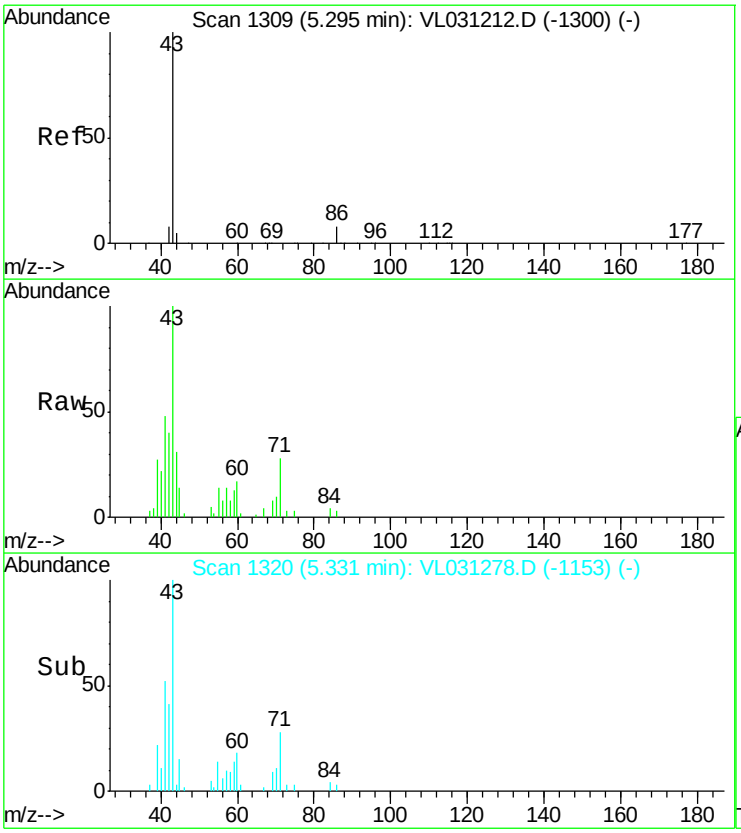
#20
Methylene Chloride
Concen: 0.16 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 84 Resp: 11874

Ion	Ratio	Lower	Upper
84	100		
49	145.2	125.8	188.6
51	40.6	39.3	58.9
86	62.2	51.1	76.7

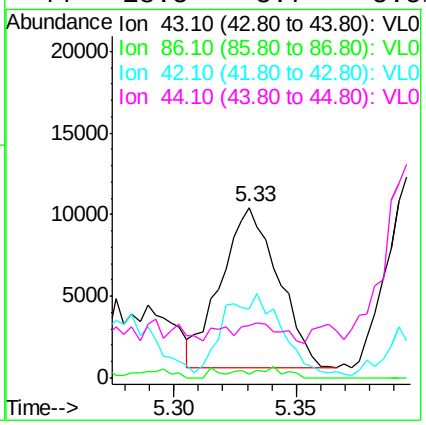


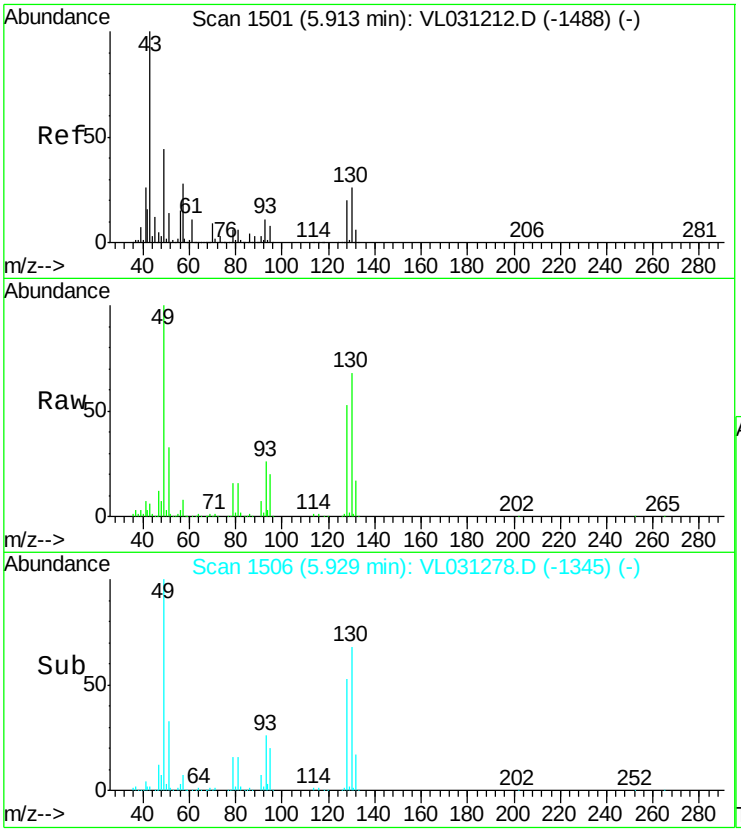


#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.33 min Scan# 1320
Delta R.T. 0.04 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 43 Resp: 16029

Ion	Ratio	Lower	Upper
43	100		
86	2.7	5.9	8.9#
42	39.0	7.3	10.9#
44	18.5	3.7	5.5#



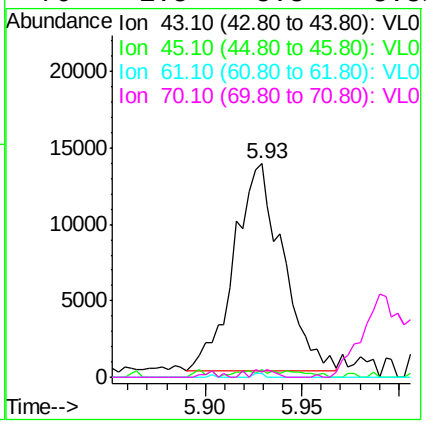


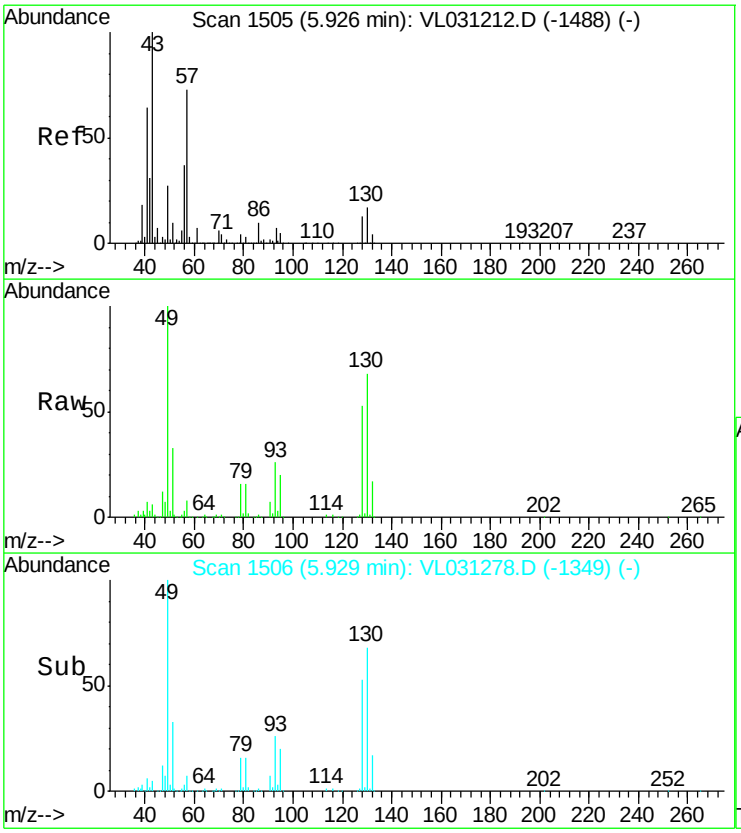
#25
Ethyl Acetate
Concen: 0.05 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument : MSVOA_L
ClientSampleId : EP1-SV-2DL

Tgt Ion: 43 Resp: 23646

Ion	Ratio	Lower	Upper
43	100		
45	4.3	8.0	12.0#
61	0.0	7.4	11.0#
70	1.5	5.8	8.8#

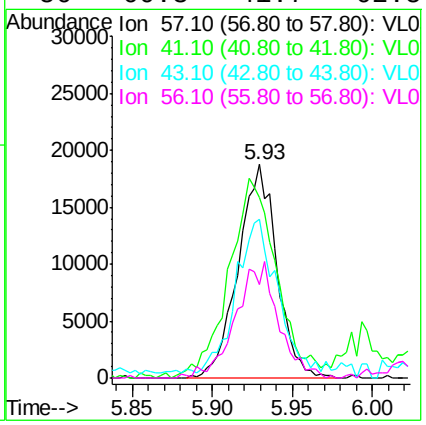


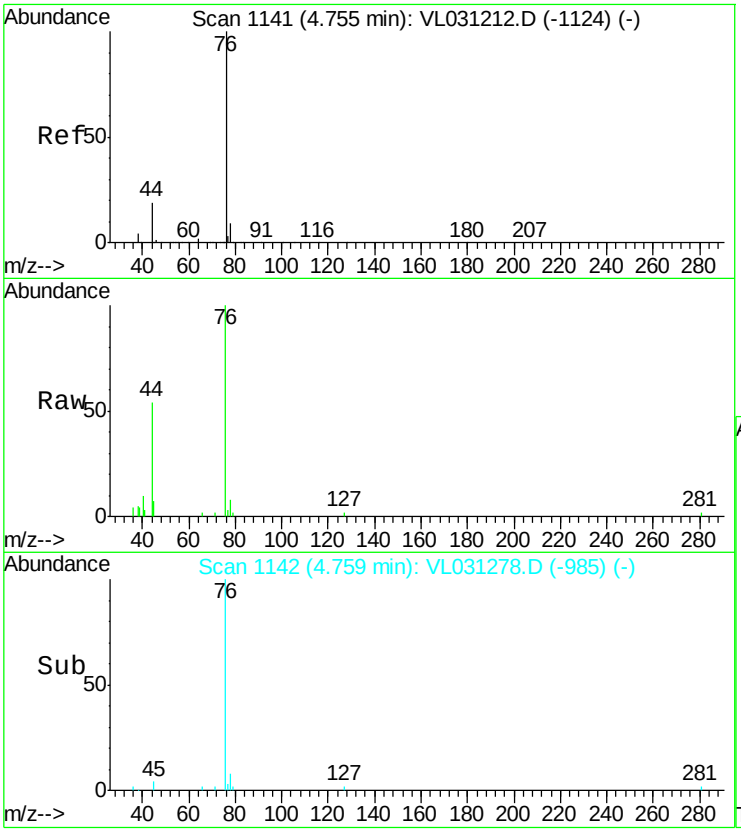


#26
Hexane
Concen: 0.14 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 57 Resp: 30790

Ion	Ratio	Lower	Upper
57	100		
41	117.9	70.3	105.5#
43	0.0	173.8	260.8#
56	60.3	41.7	62.5



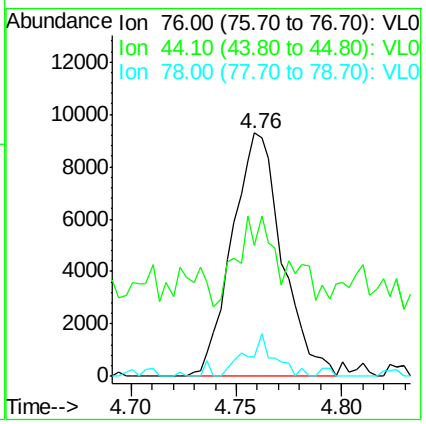


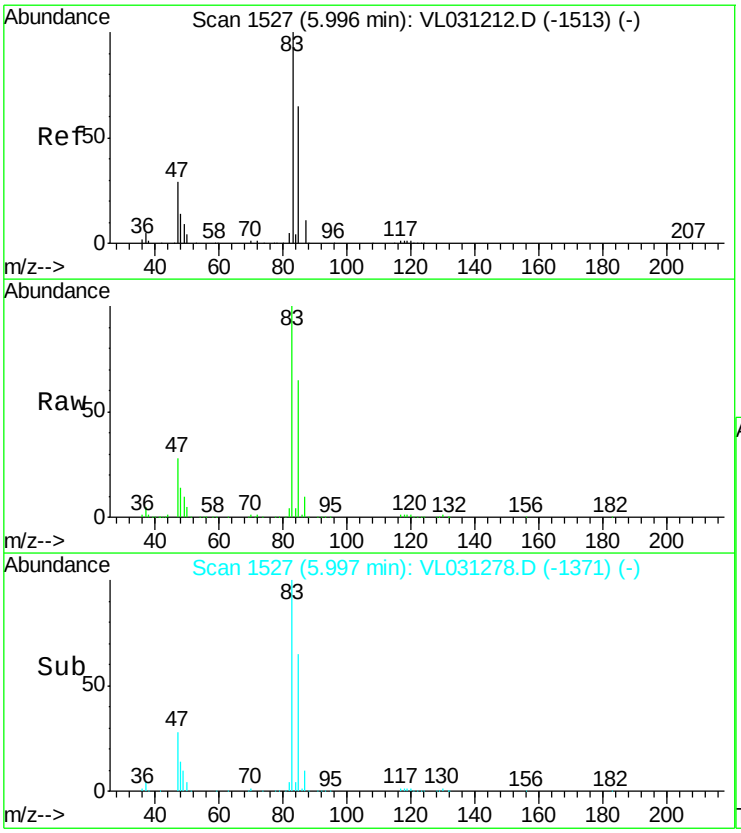
#27
Carbon Disulfide
Concen: 0.07 ppbv
RT: 4.76 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 76 Resp: 15320

Ion	Ratio	Lower	Upper
76	100		
44	48.9	16.0	24.0#
78	11.2	7.5	11.3

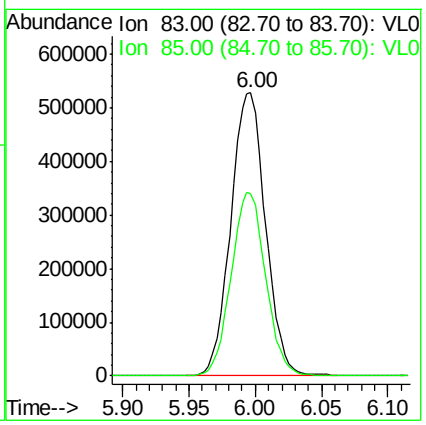


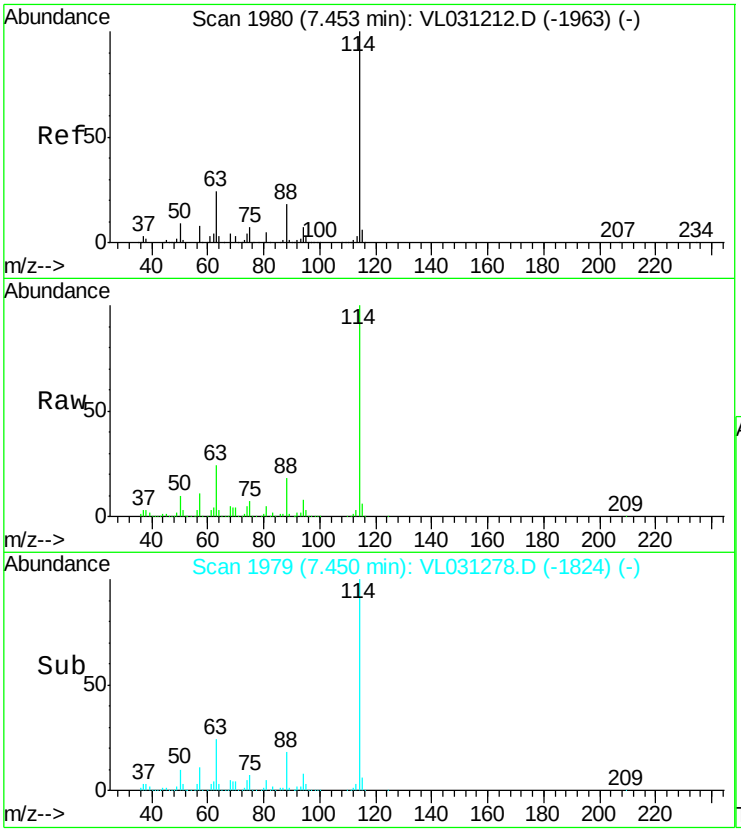


#29
Chloroform
Concen: 3.26 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 83 Resp: 960916

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6



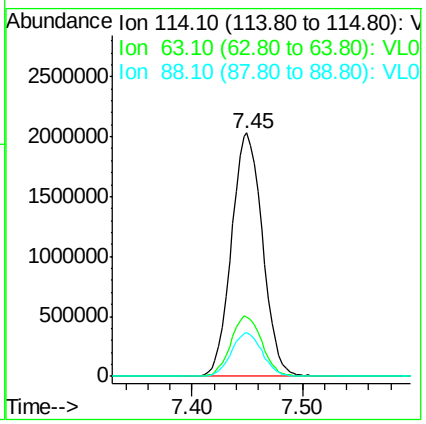


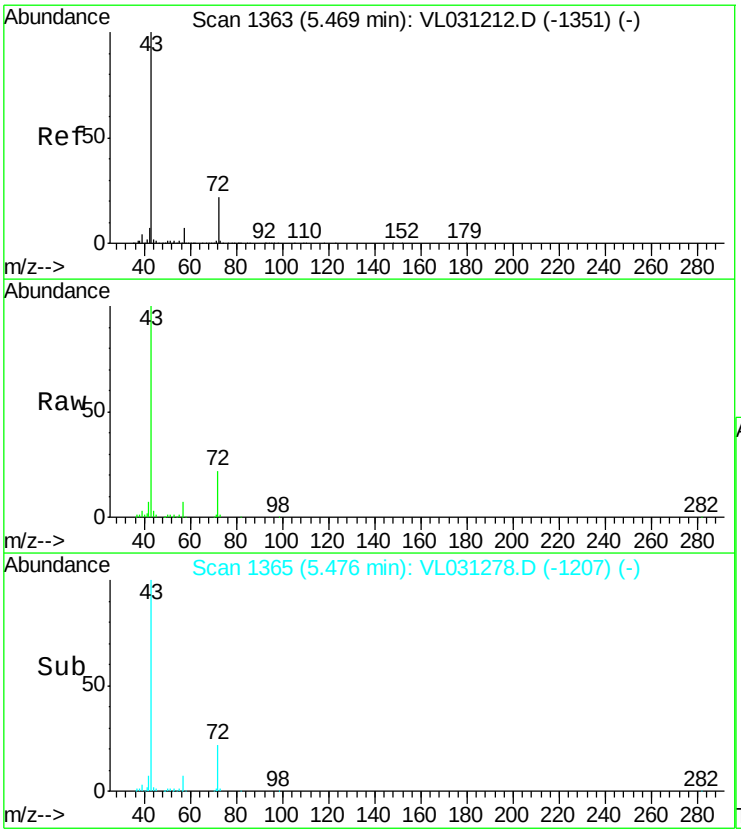
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument : MSVOA_L
ClientSampleId : EP1-SV-2DL

Tgt Ion:114 Resp: 3952403

Ion	Ratio	Lower	Upper
114	100		
63	24.8	19.8	29.8
88	17.9	14.2	21.4

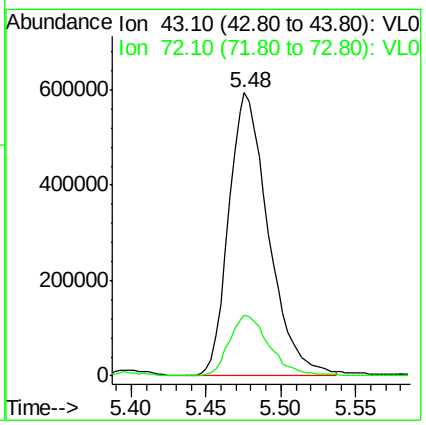


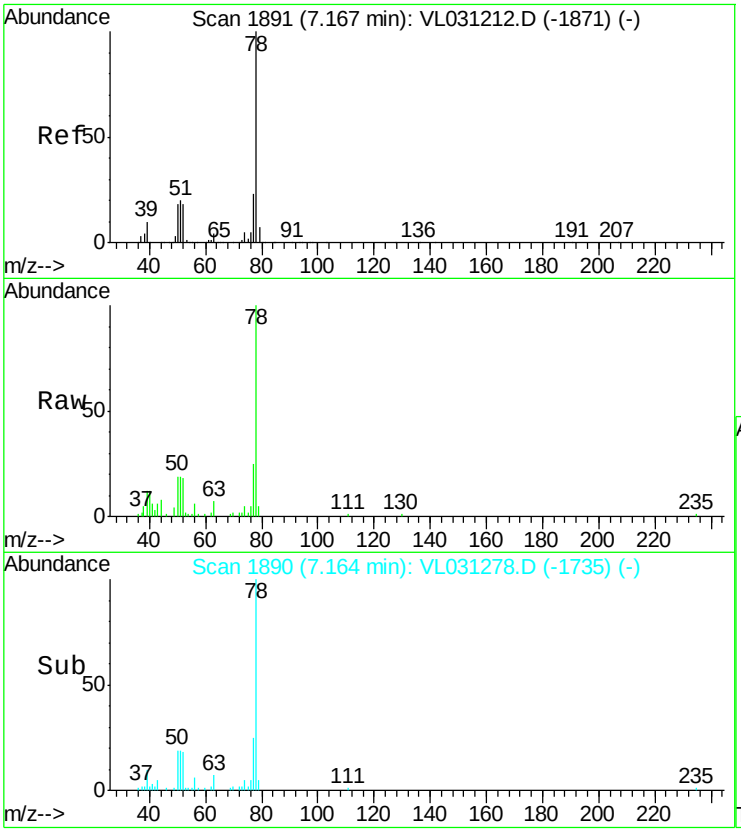


#34
2-Butanone
Concen: 3.93 ppbv
RT: 5.48 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 43 Resp: 1098084

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.1	27.1



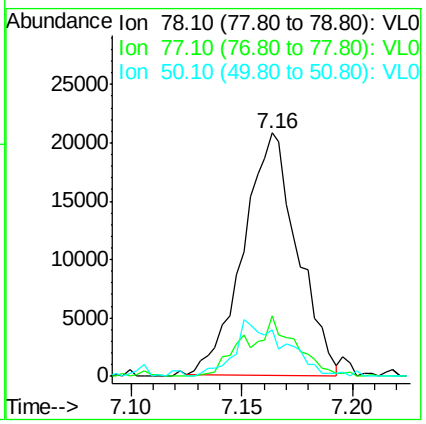


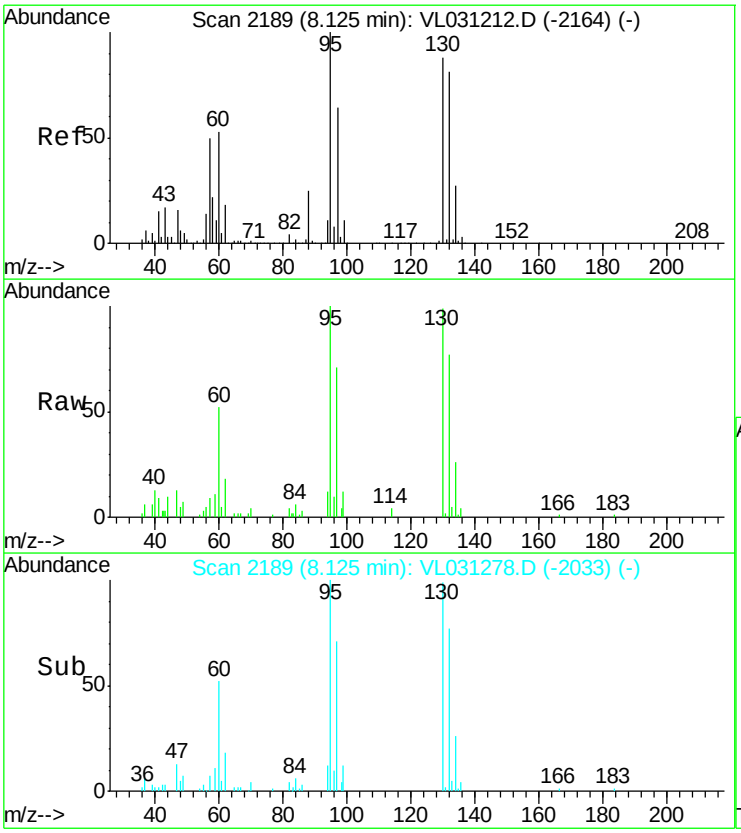
#36
Benzene
Concen: 0.08 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 78 Resp: 35174

Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.1	27.1
50	19.3	14.6	21.8

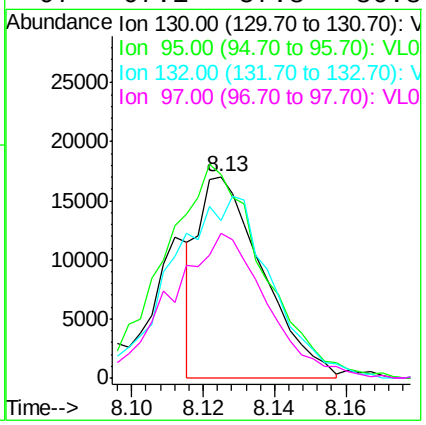


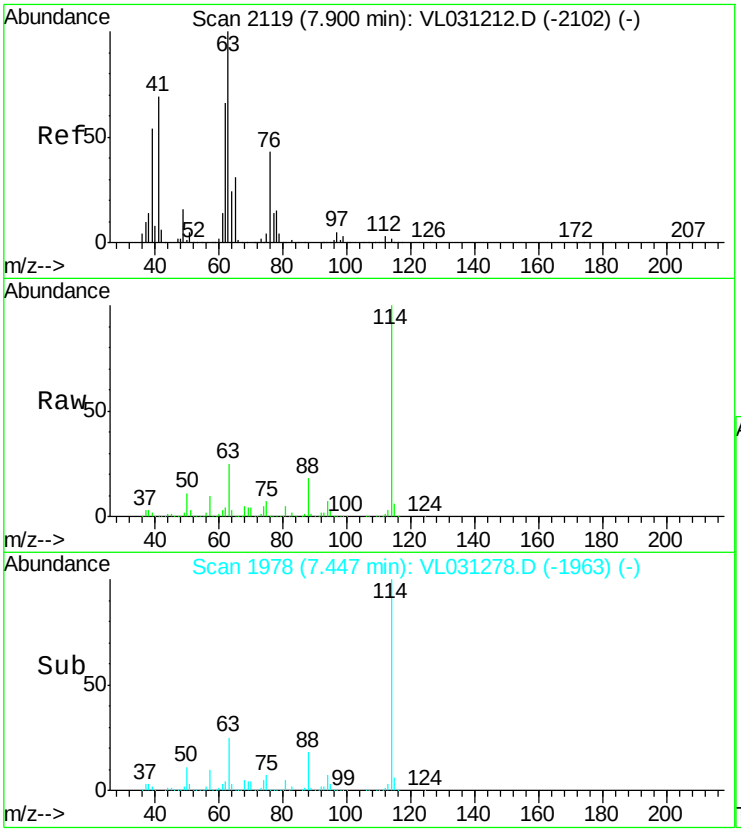


#38
Trichloroethene
Concen: 0.13 ppbv
RT: 8.13 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion:130 Resp: 21183

Ion	Ratio	Lower	Upper
130	100		
95	95.1	90.6	135.8
132	72.0	73.5	110.3#
97	67.1	57.8	86.8



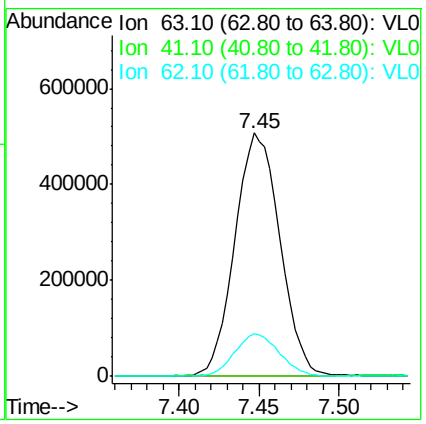


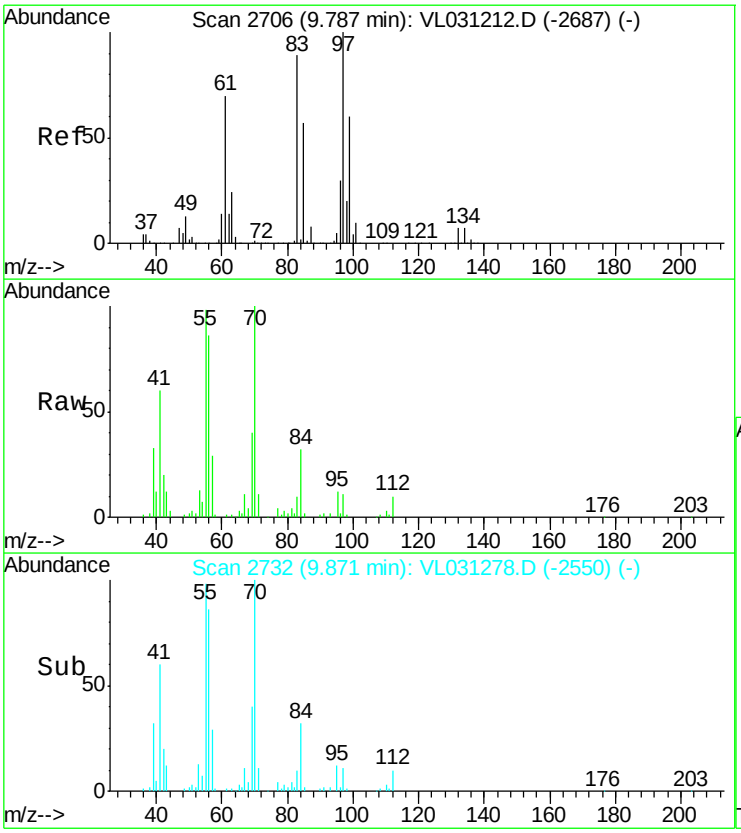
#39
1,2-Dichloropropane
Concen: 6.57 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.45 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument : MSVOA_L
ClientSampleId : EP1-SV-2DL

Tgt Ion: 63 Resp: 973107

Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.2	82.8#
62	17.6	53.0	79.4#

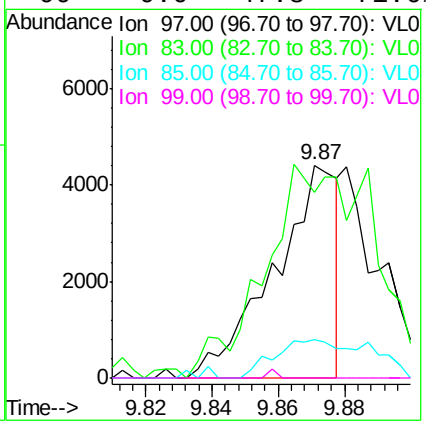


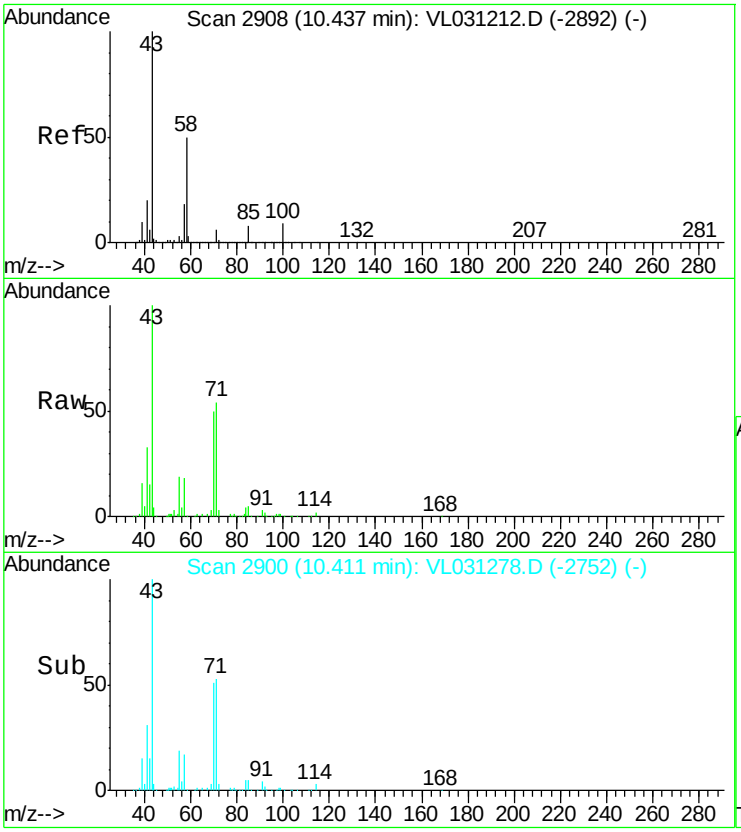


#47
1,1,2-Trichloroethane
Concen: 0.04 ppbv
RT: 9.87 min Scan# 2732
Delta R.T. 0.08 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 97 Resp: 5818

Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.0	106.4
85	14.8	45.3	67.9#
99	0.0	47.8	71.6#



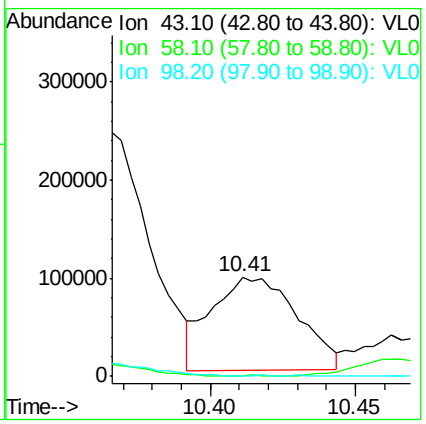


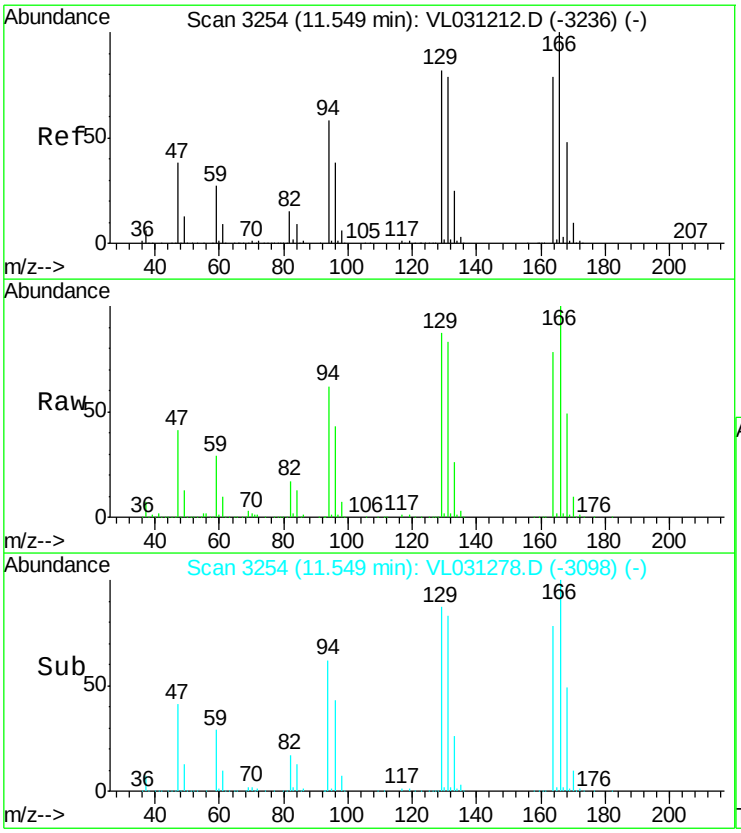
#51
2-Hexanone
Concen: 0.60 ppbv
RT: 10.41 min Scan# 2900
Delta R.T. -0.03 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 43 Resp: 195024

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

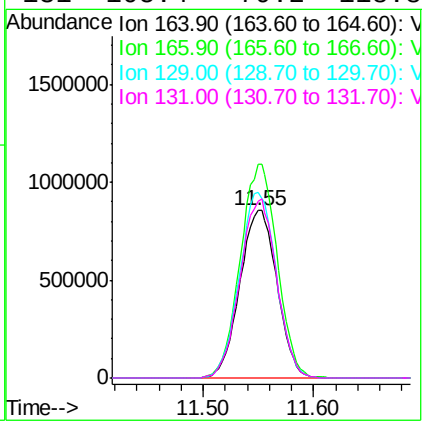


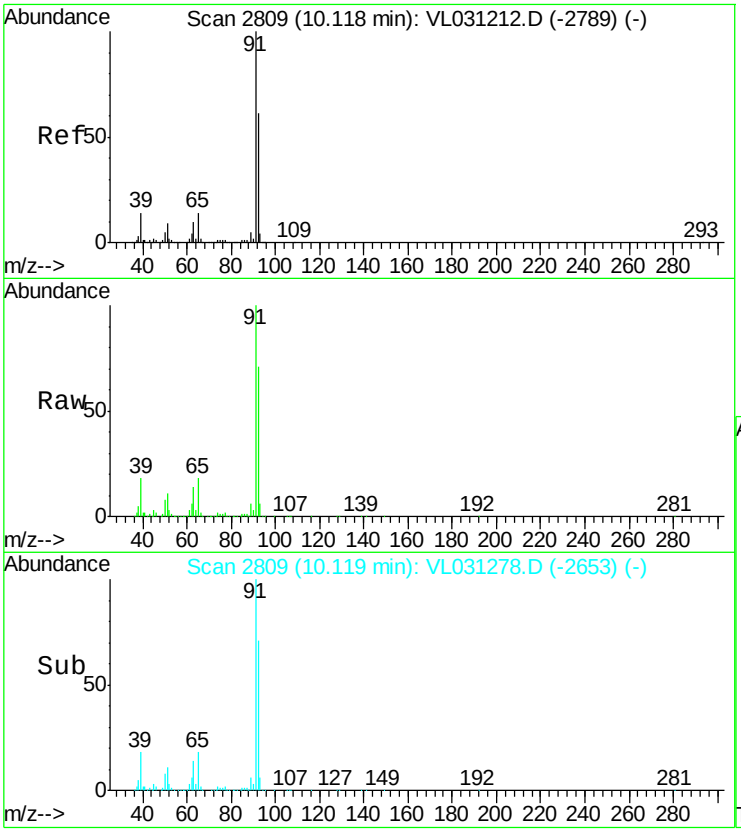


#52
Tetrachloroethene
Concen: 12.90 ppbv
RT: 11.55 min Scan# 3254
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion:164 Resp: 1994142

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.6	151.0
129	111.2	82.9	124.3
131	105.4	79.2	118.8



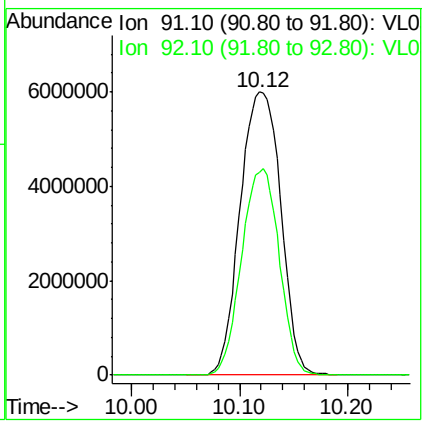


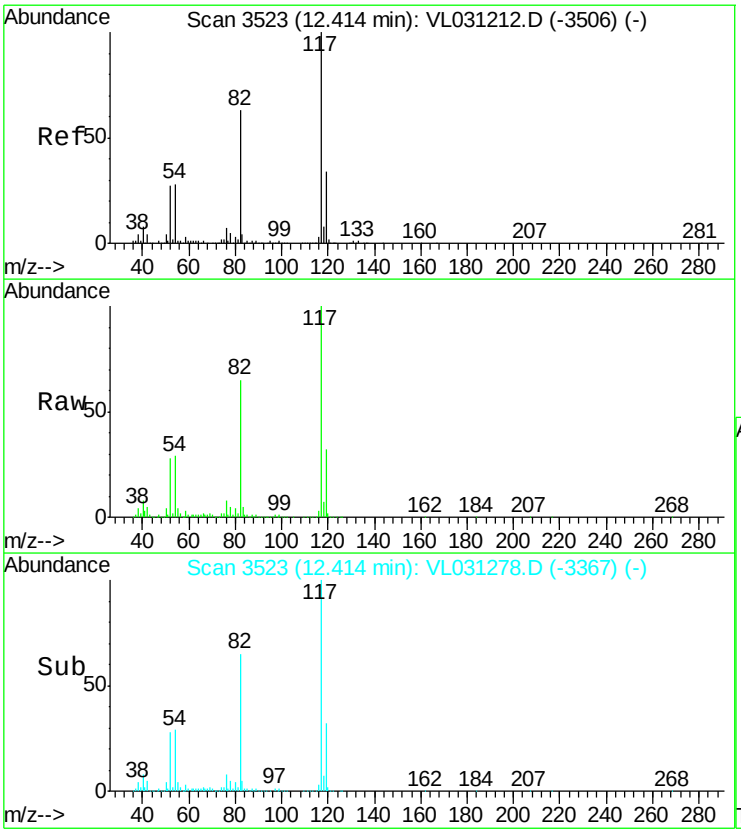
#53
Toluene
Concen: 34.62 ppbv
RT: 10.12 min Scan# 2809
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 91 Resp:15730875

Ion	Ratio	Lower	Upper
91	100		
92	67.7	49.1	73.7

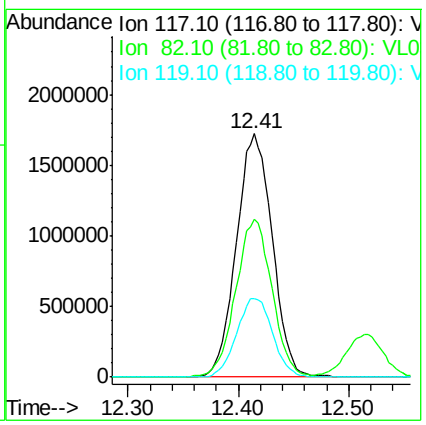


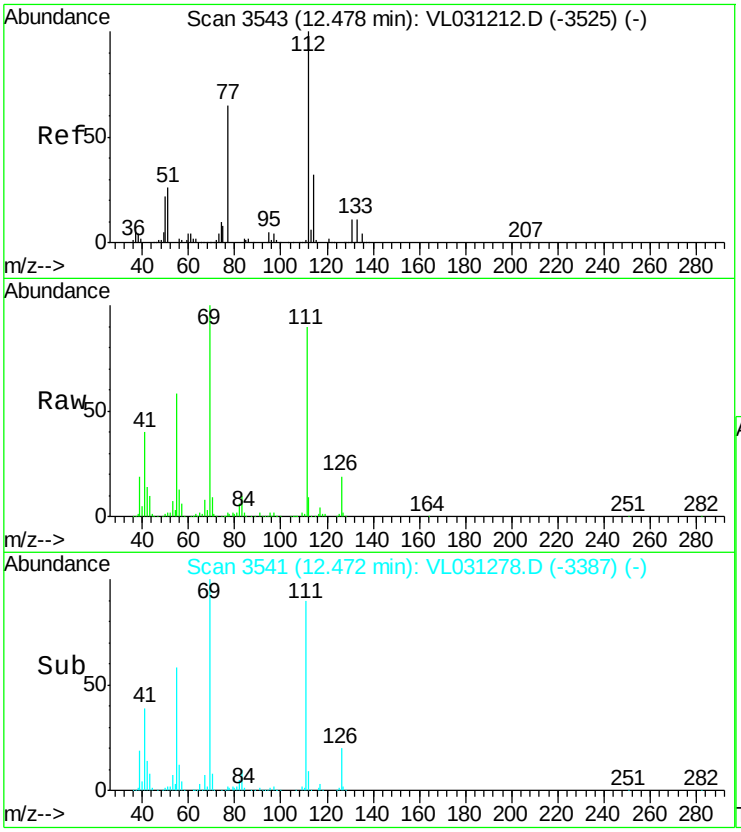


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion:117 Resp: 3887290

Ion	Ratio	Lower	Upper
117	100		
82	65.3	48.1	72.1
119	32.7	23.1	34.7



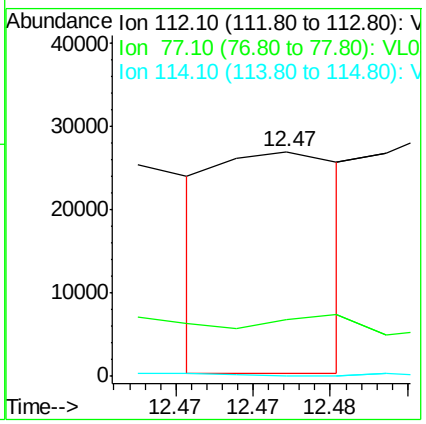


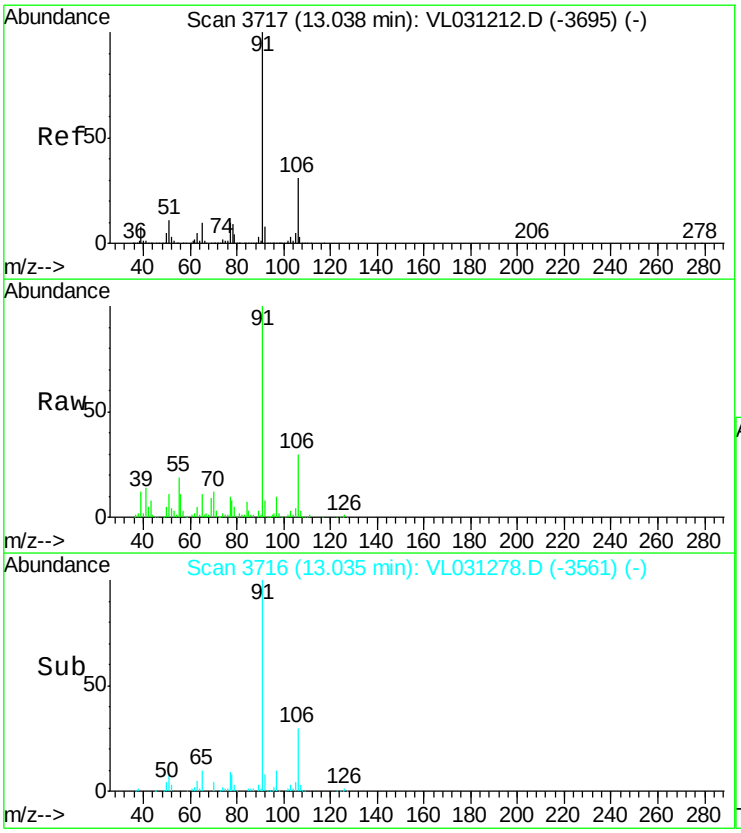
#57
Chlorobenzene
Concen: 0.04 ppbv
RT: 12.47 min Scan# 3541
Delta R.T. -0.01 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion:112 Resp: 15064

Ion	Ratio	Lower	Upper
112	100		
77	63.7	52.9	79.3
114	0.0	29.1	35.5#

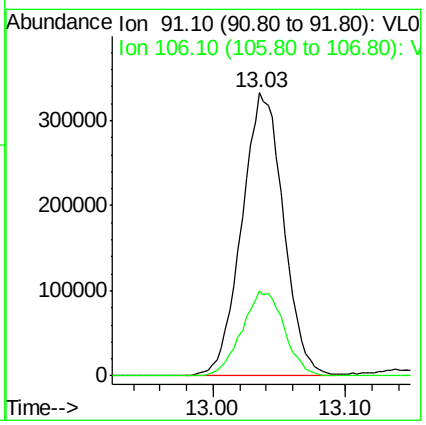


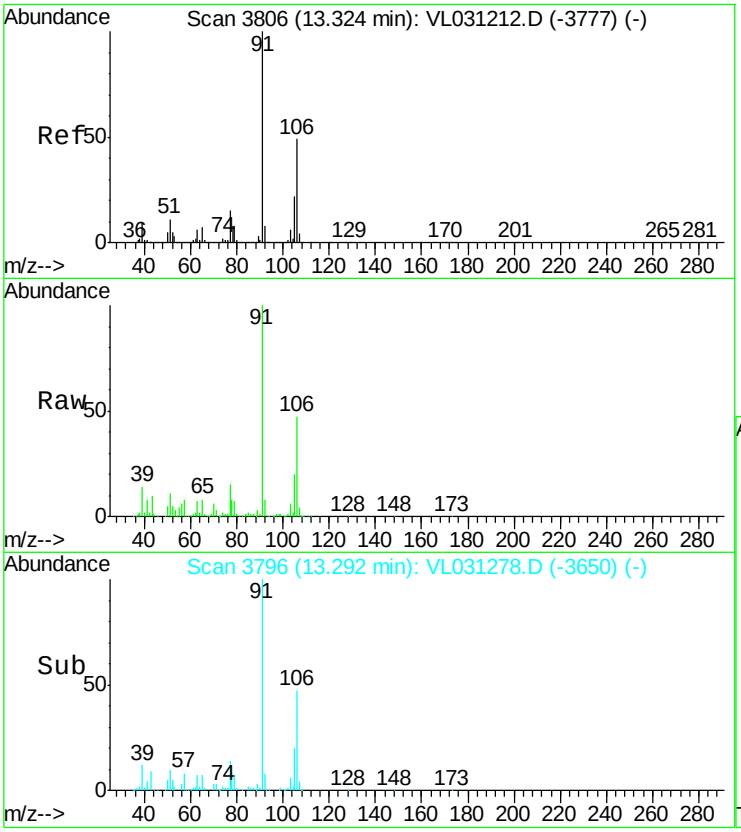


#58
Ethyl Benzene
Concen: 1.13 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 91 Resp: 724059

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.1	37.7



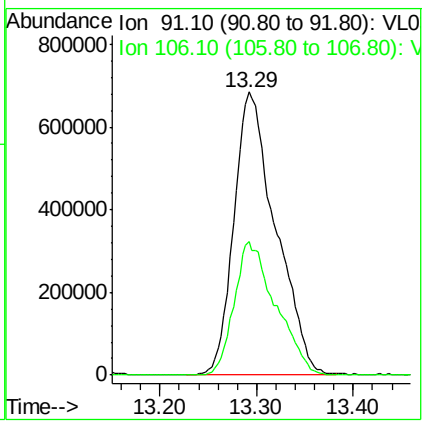


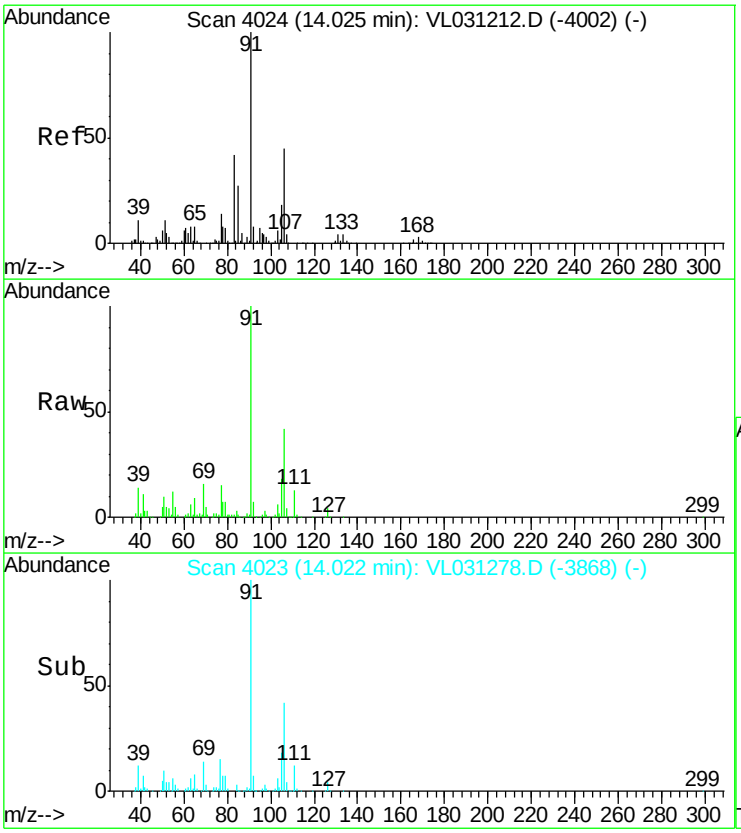
#59
m/p-Xylene
Concen: 3.97 ppbv
RT: 13.29 min Scan# 3796
Delta R.T. -0.03 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 91 Resp: 2039627

Ion	Ratio	Lower	Upper
91	100		
106	47.3	38.5	57.7

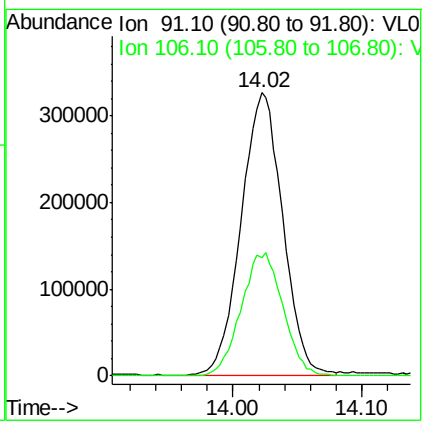


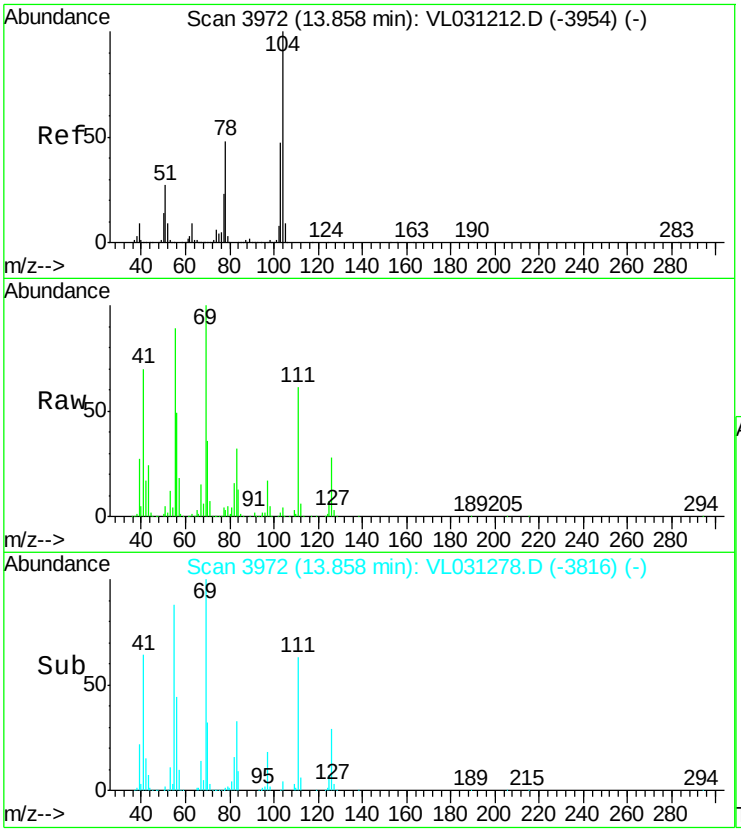


#60
o-Xylene
Concen: 1.41 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 91 Resp: 730944

Ion	Ratio	Lower	Upper
91	100		
106	44.2	22.7	68.1



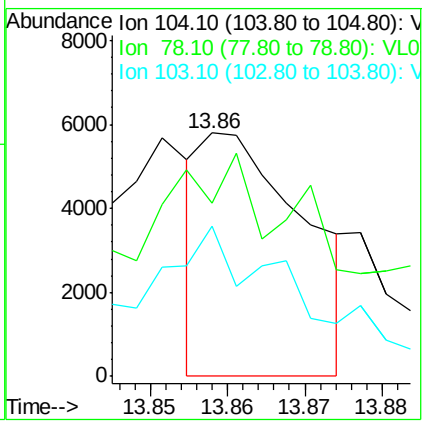


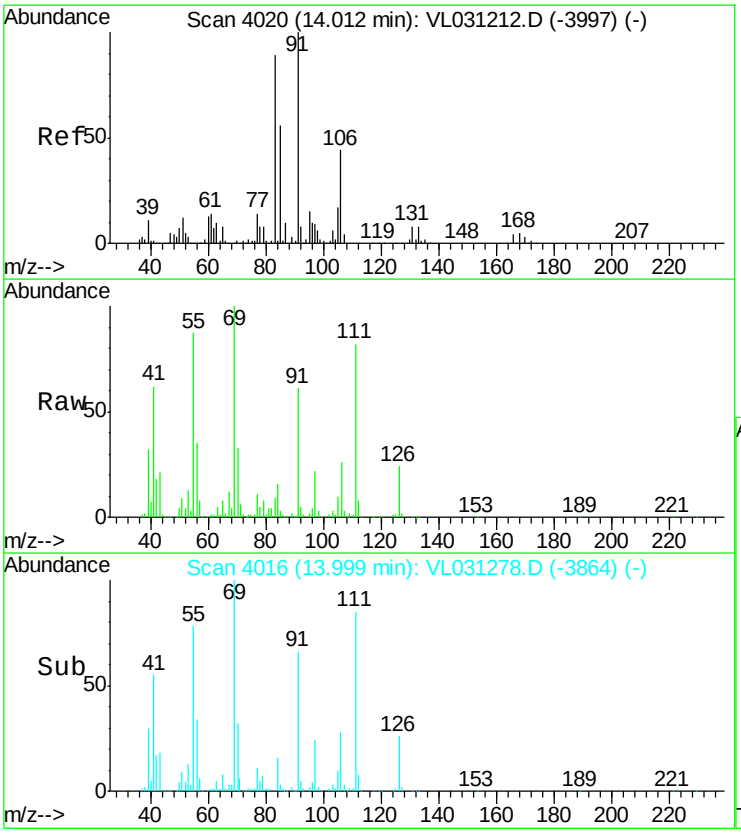
#61
Styrene
Concen: 0.04 ppbv
RT: 13.86 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument : MSVOA_L
ClientSampleId : EP1-SV-2DL

Tgt Ion:104 Resp: 5293

Ion	Ratio	Lower	Upper
104	100		
78	253.4	39.1	58.7#
103	126.1	37.3	55.9#

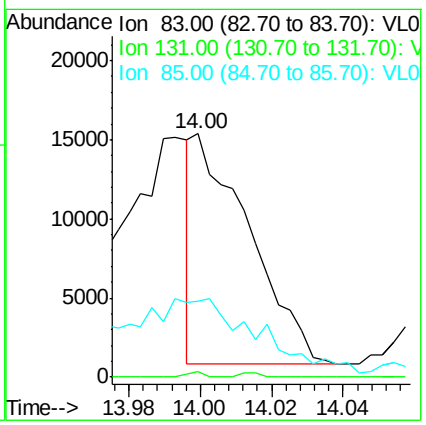


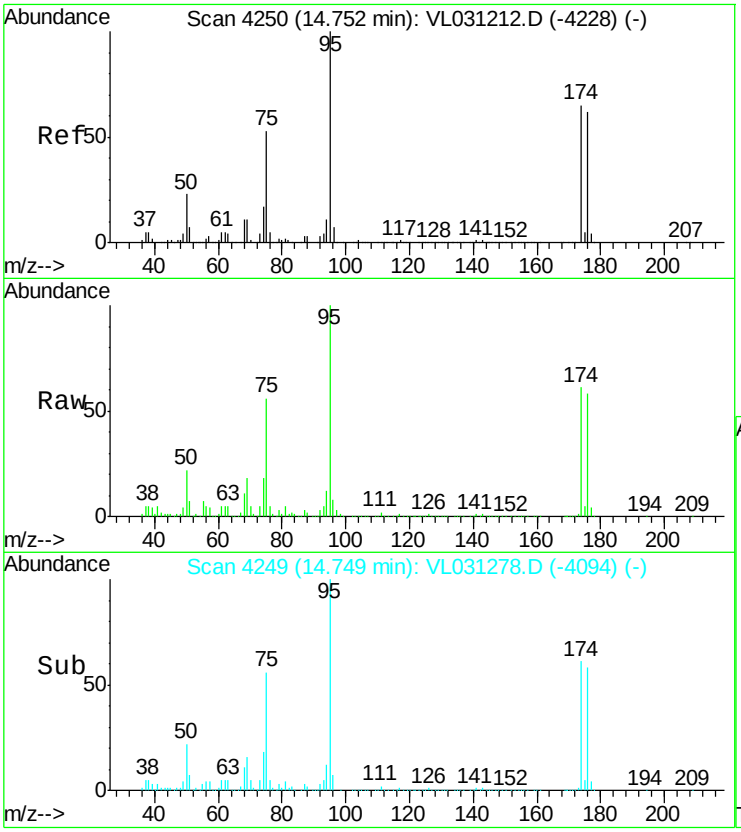


#63
1,1,2,2-Tetrachloroethane
Concen: 0.05 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. -0.01 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion: 83 Resp: 15838

Ion	Ratio	Lower	Upper
83	100		
131	1.2	4.8	14.3#
85	0.0	32.1	96.5#



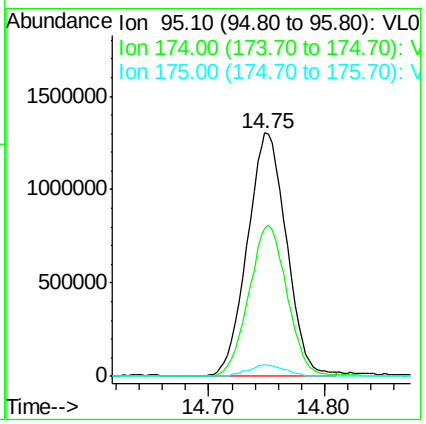


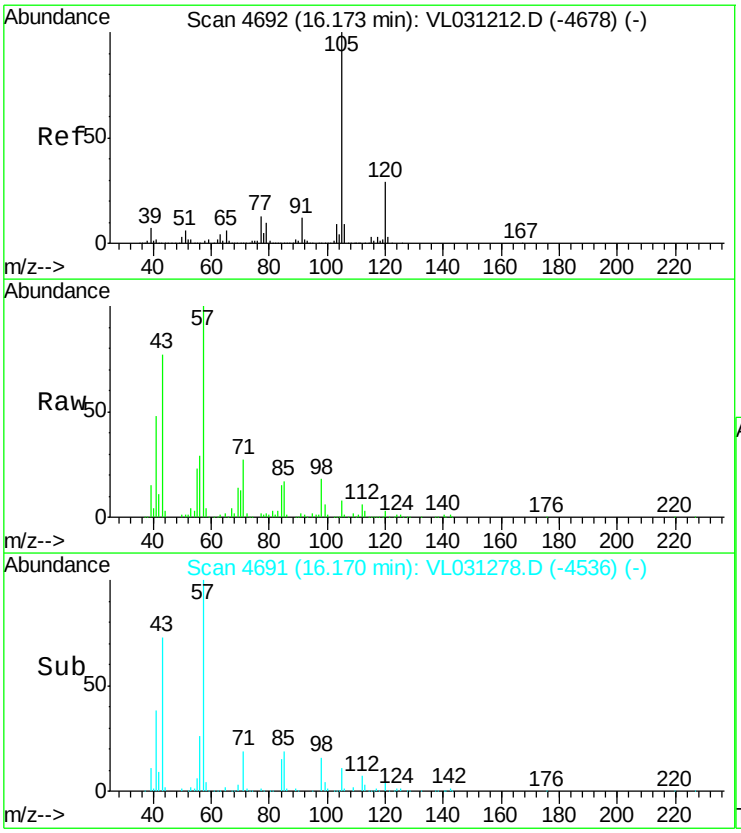
#68
1-Bromo-4-Fluorobenzene
Concen: 11.04 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. -0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion: 95 Resp: 3051838

Ion	Ratio	Lower	Upper
95	100		
174	61.7	52.5	78.7
175	4.6	4.1	6.1

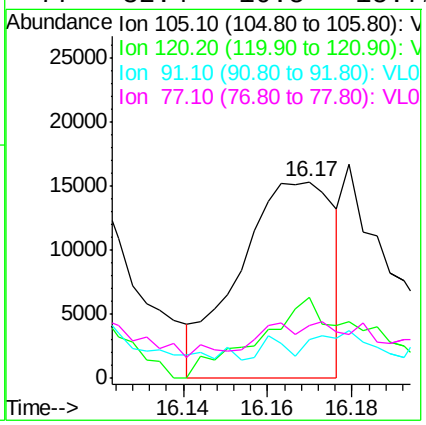


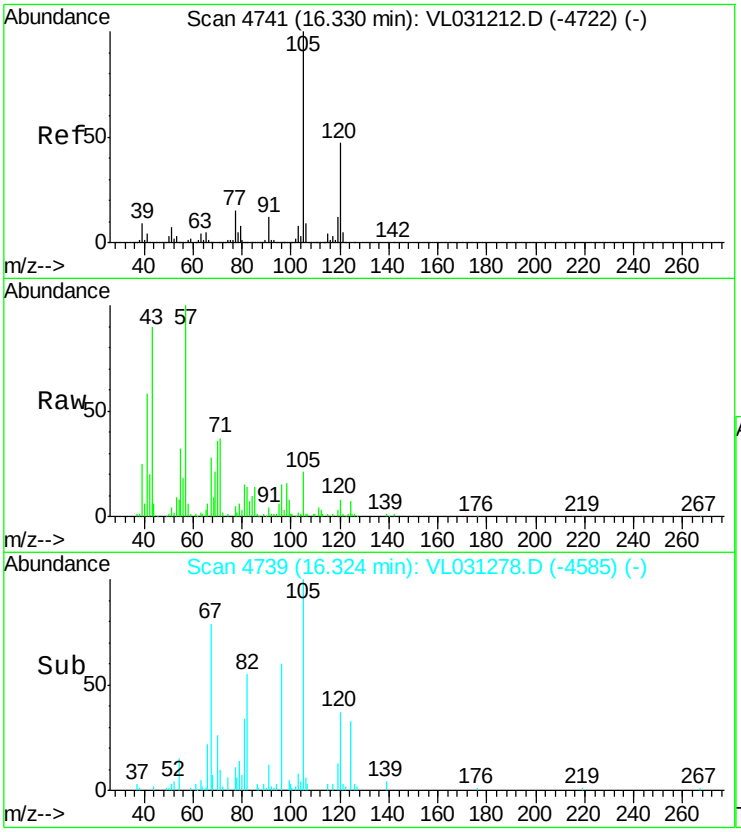


#72
4-Ethyltoluene
Concen: 0.04 ppbv
RT: 16.17 min Scan# 4691
Delta R.T. -0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion:105 Resp: 23788

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.2	36.2#
91	0.0	9.8	14.8#
77	32.4	10.5	15.7#



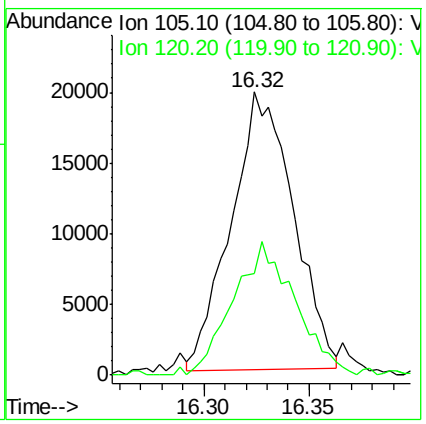


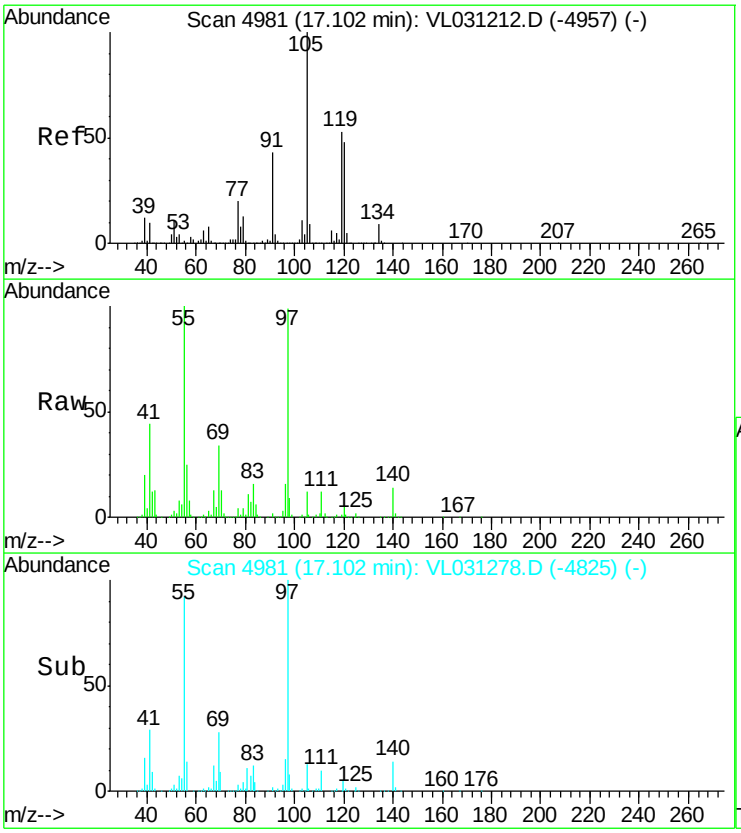
#73
1,3,5-Trimethylbenzene
Concen: 0.08 ppbv
RT: 16.32 min Scan# 4739
Delta R.T. -0.01 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-2DL

Tgt Ion:105 Resp: 40250

Ion	Ratio	Lower	Upper
105	100		
120	37.7	37.8	56.6#





#74
1,2,4-Trimethylbenzene
Concen: 0.06 ppbv
RT: 17.10 min Scan# 4981
Delta R.T. 0.00 min
Lab File: VL031278.D
Acq: 20 Dec 2017 20:41

Tgt Ion:105 Resp: 33160

Ion	Ratio	Lower	Upper
105	100		
120	35.9	38.6	58.0#
91	14.2	34.2	51.4#
77	20.2	16.1	24.1