Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031280.D
Acq On : 20 Dec 2017 21:59
Operator : SY/AP
Sample : I7005-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Quant Time: Dec 21 08:39:52 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	1619571	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	3711802	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	3704719	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2885252	10.95	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	13481	0.10	ppbv	#	88
3) Chlorodifluoromethane	3.12	51	9402	0.05	ppbv		95
9) Propene	3.13	41	110637	1.22	ppbv		98
10) Heptane	8.40	43	9524	0.03	ppbv	#	44
11) Trichlorofluoromethane	4.13	101	7395	0.03	ppbv	#	71
13) Ethanol	3.78	45	8306	0.32	ppbv	#	31
15) Acetone	4.03	43	399680	1.87	ppbv	#	63
16) 1,3-Butadiene	3.46	39	217333	2.36	ppbv	#	14
17) tert-Butyl alcohol	4.52	59	13839	0.12	ppbv	#	81
20) Methylene Chloride	4.54	84	18624	0.26	ppbv		94
23) Vinyl Acetate	5.40	43	21182	0.06	ppbv	#	17
25) Ethyl Acetate	5.93	43	18510	0.04	ppbv	#	87
26) Hexane	5.93	57	24971	0.12	ppbv	#	3
27) Carbon Disulfide	4.76	76	26642	0.13	ppbv	#	88
34) 2-Butanone	5.47	43	1274490	4.86	ppbv		99
36) Benzene	7.16	78	29019	0.07	ppbv	#	89
38) Trichloroethene	8.12	130	40731	0.27	ppbv		92
39) 1,2-Dichloropropane	7.45	63	922499	6.63	ppbv	#	27
52) Tetrachloroethene	11.55	164	5629401	38.79	ppbv		99
53) Toluene	10.12	91	145351	0.34	ppbv		97
58) Ethyl Benzene	13.04	91	42891	0.07	ppbv		95
60) o-Xylene	14.02	91	15444	0.03	ppbv	#	31

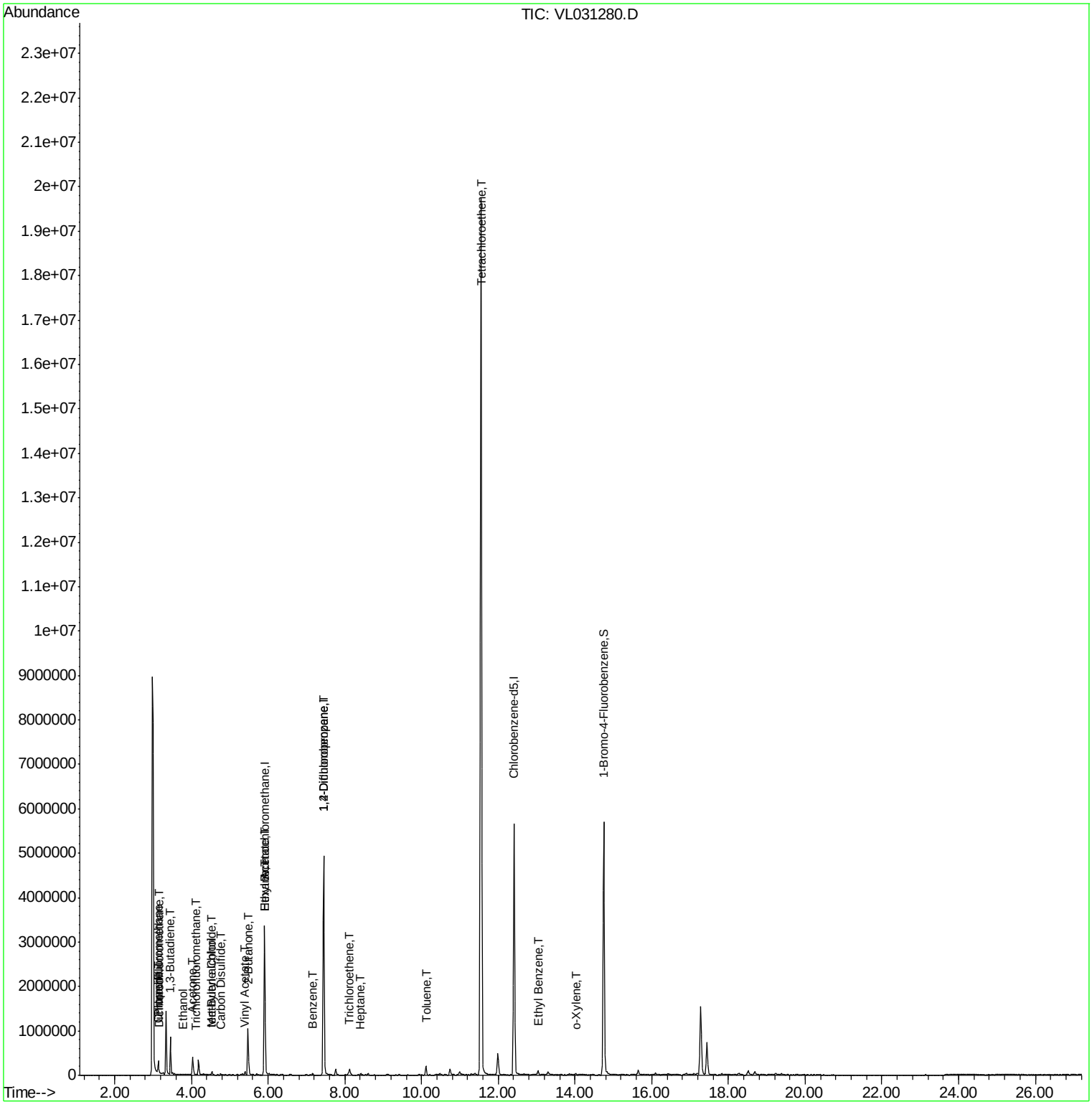
(#) = qualifier out of range (m) = manual integration (+) = signals summed

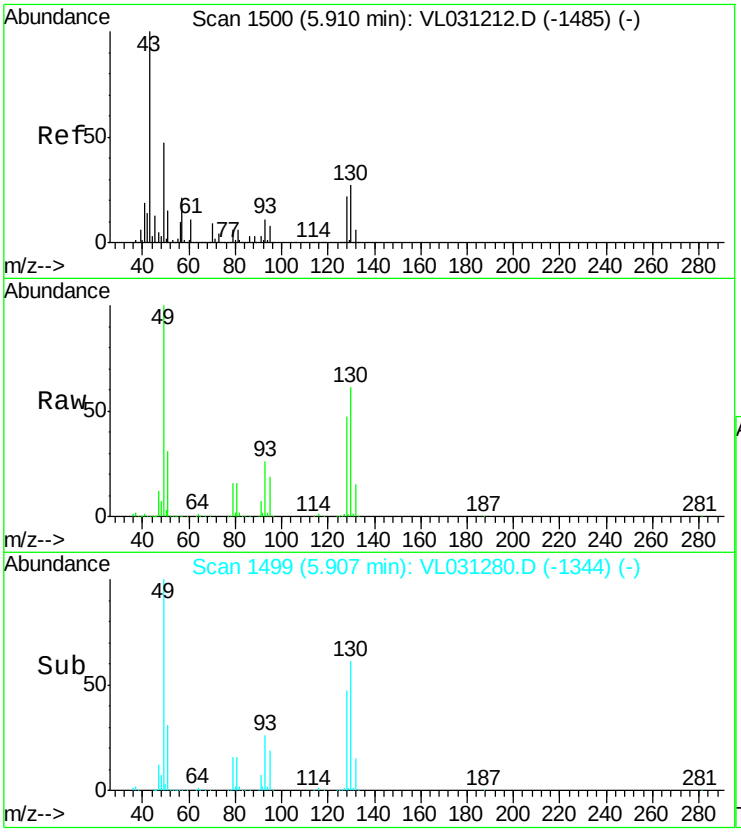
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031280.D
Acq On : 20 Dec 2017 21:59
Operator : SY/AP
Sample : I7005-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Quant Time: Dec 21 08:39:52 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



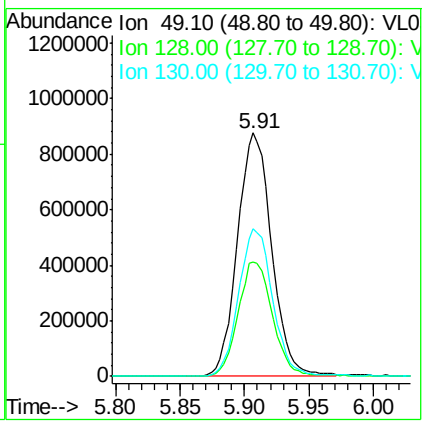


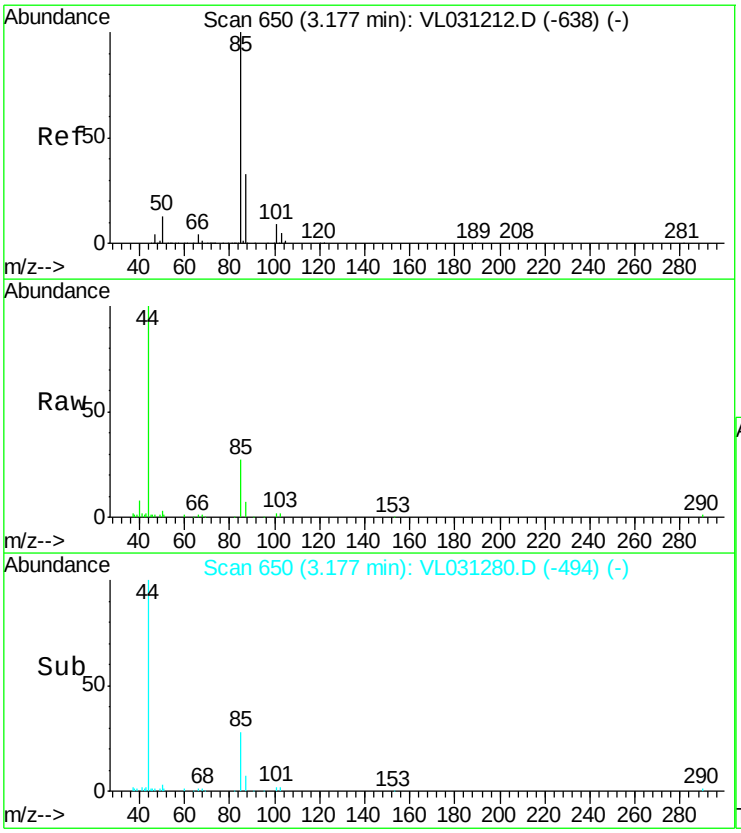
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tgt Ion: 49 Resp: 1619571

Ion	Ratio	Lower	Upper
49	100		
128	47.7	23.2	69.5
130	60.7	29.6	88.8

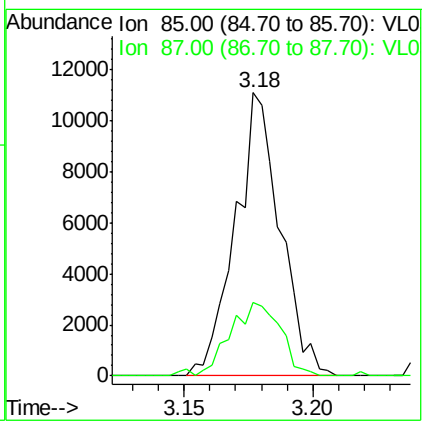


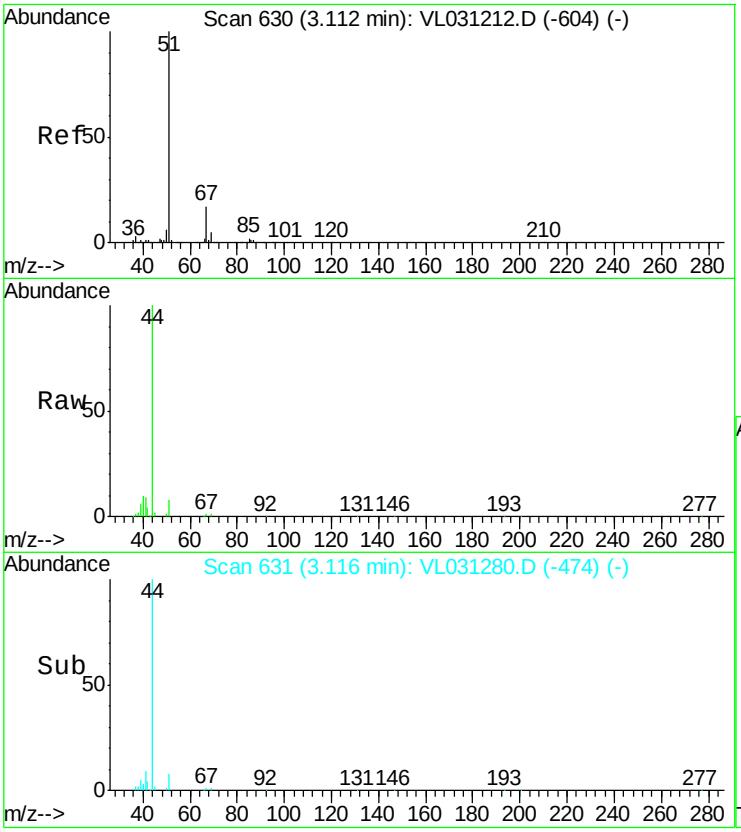


#2
Dichlorodifluoromethane
Concen: 0.10 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 85 Resp: 13481

Ion	Ratio	Lower	Upper
85	100		
87	26.0	26.2	39.2#



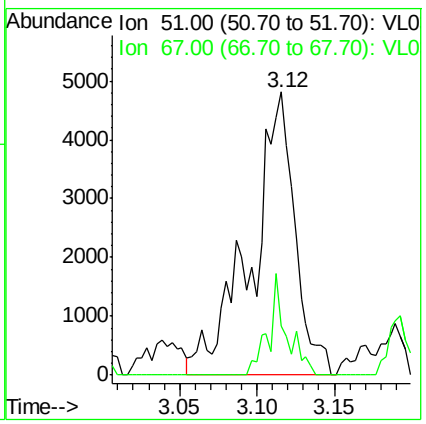


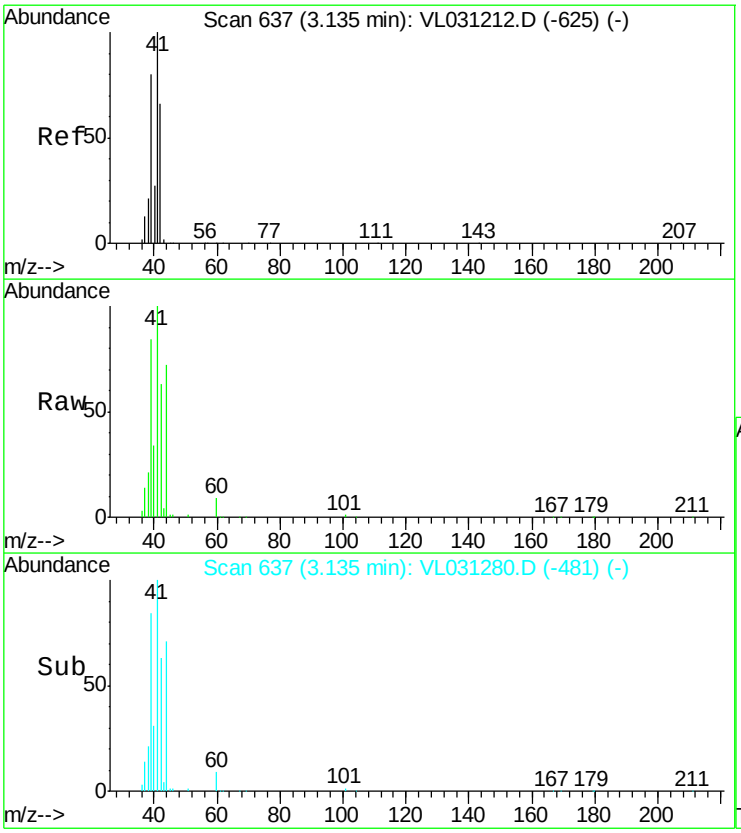
#3
Chlorodifluoromethane
Concen: 0.05 ppbv
RT: 3.12 min Scan# 631
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Tgt Ion: 51 Resp: 9402

Ion	Ratio	Lower	Upper
51	100		
67	15.0	13.8	20.6

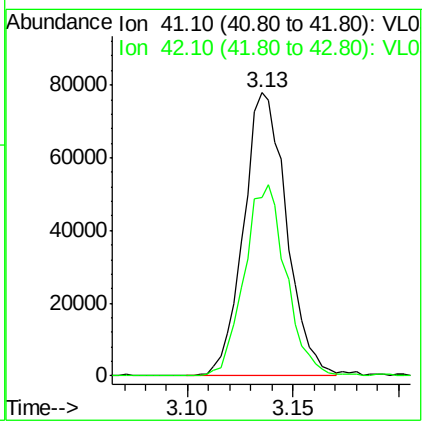


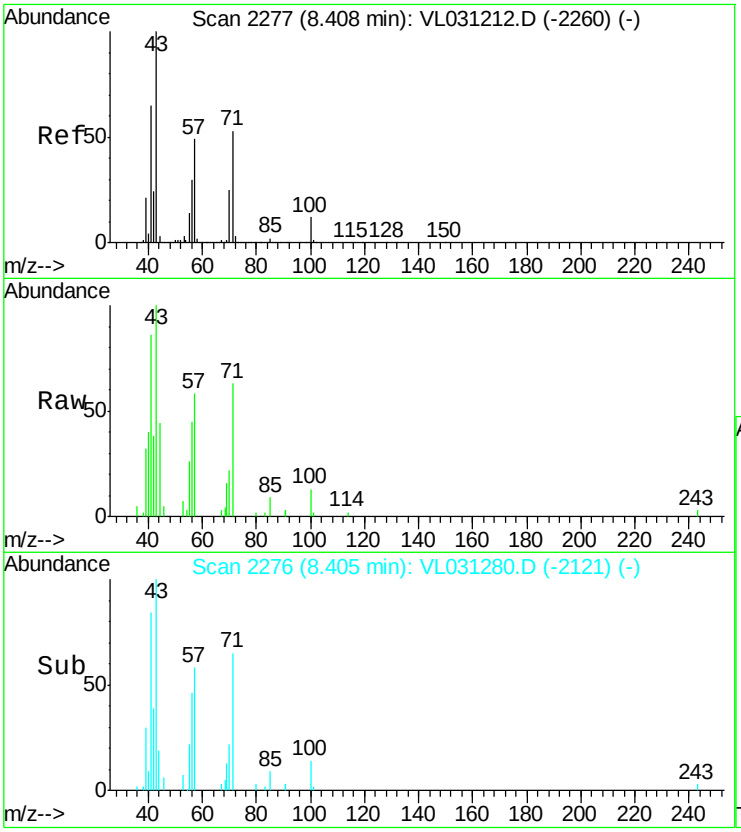


#9
Propene
Concen: 1.22 ppbv
RT: 3.13 min Scan# 637
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 41 Resp: 110637

Ion	Ratio	Lower	Upper
41	100		
42	65.9	54.3	81.5



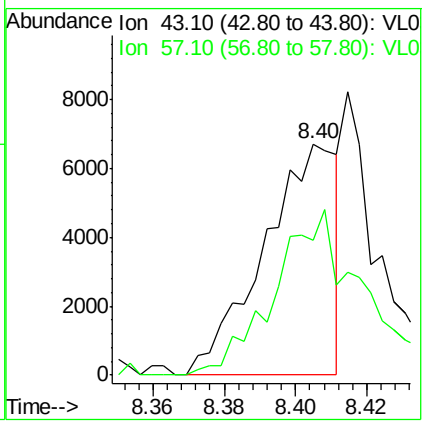


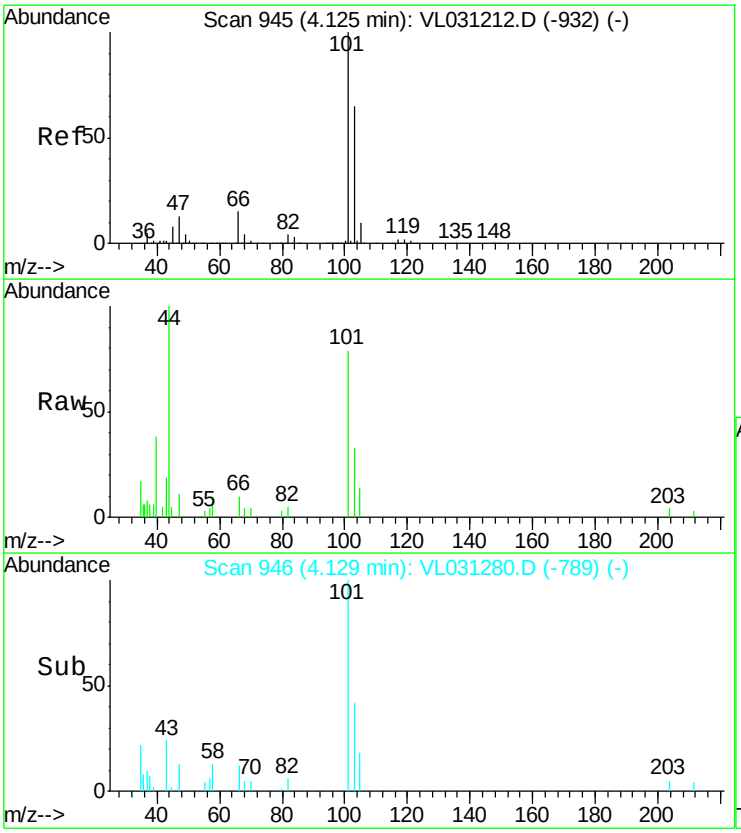
#10
Heptane
Concen: 0.03 ppbv
RT: 8.40 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tgt Ion: 43 Resp: 9524

Ion	Ratio	Lower	Upper
43	100		
57	88.3	39.8	59.8#

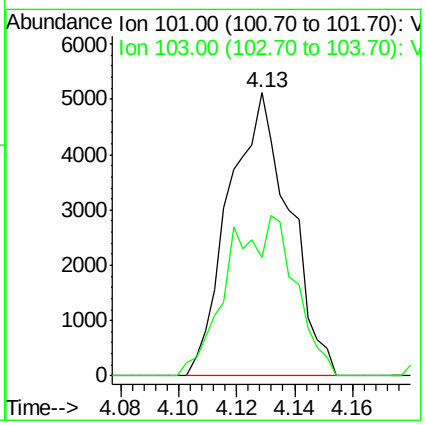


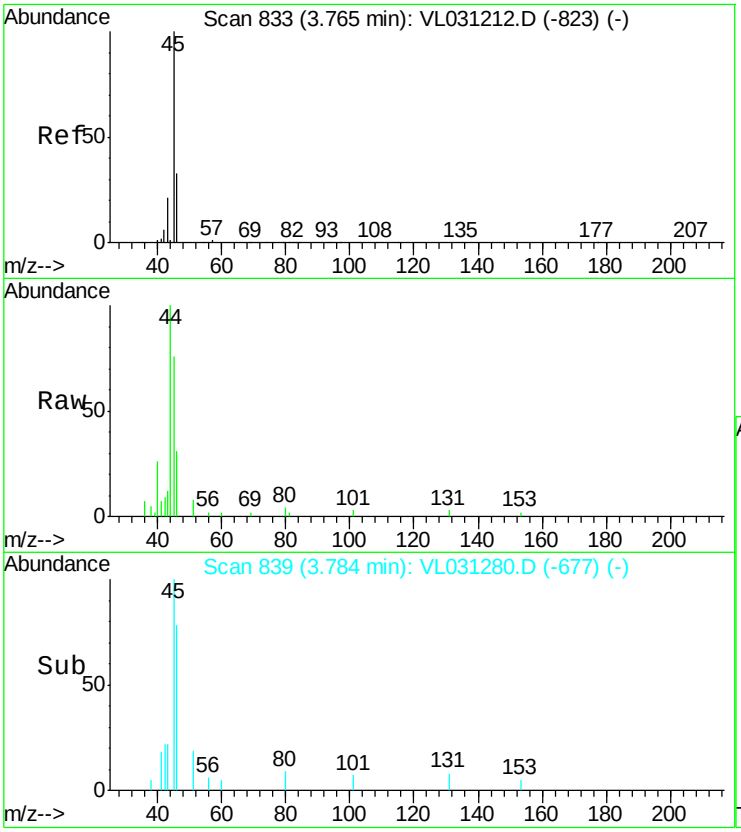


#11
Trichlorofluoromethane
Concen: 0.03 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion:101 Resp: 7395

Ion	Ratio	Lower	Upper
101	100		
103	41.7	51.8	77.8#



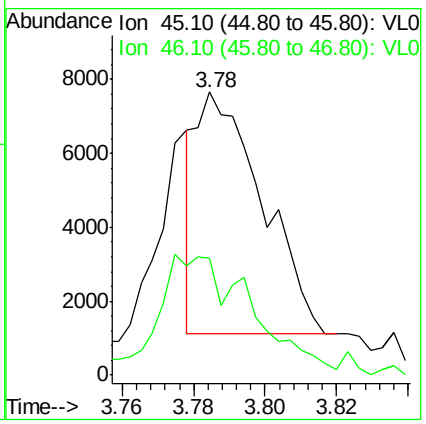


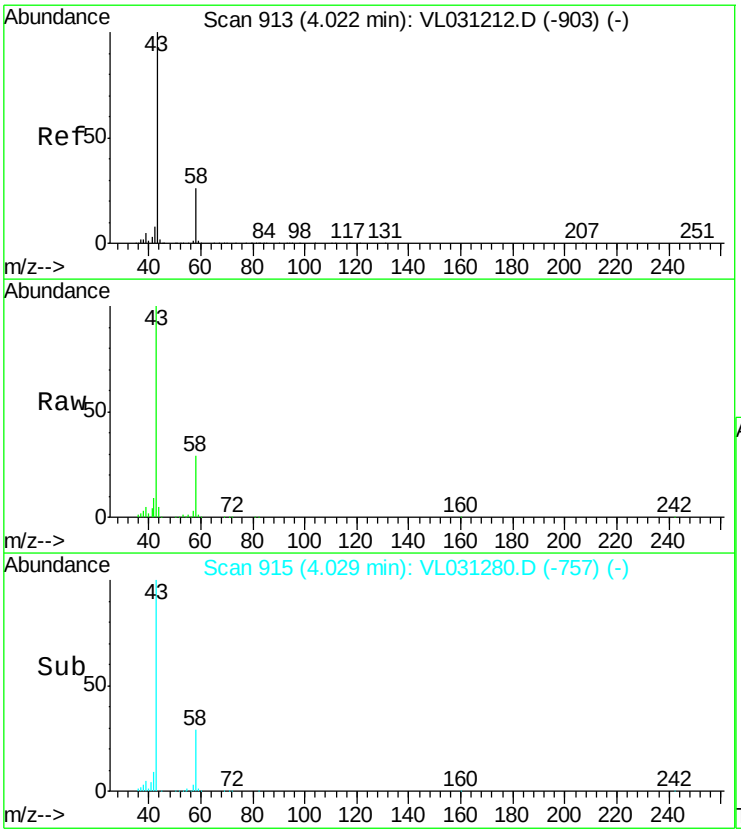
#13
Ethanol
Concen: 0.32 ppbv
RT: 3.78 min Scan# 839
Delta R.T. 0.02 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Tgt Ion: 45 Resp: 8306

Ion	Ratio	Lower	Upper
45	100		
46	77.5	14.6	58.4#

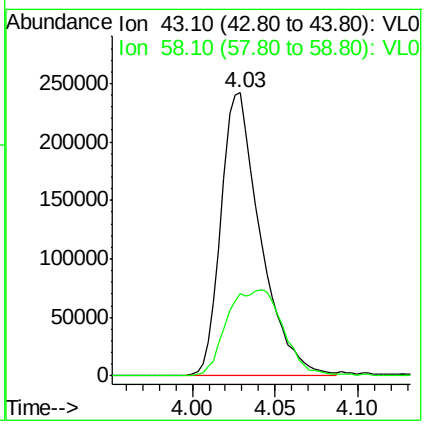


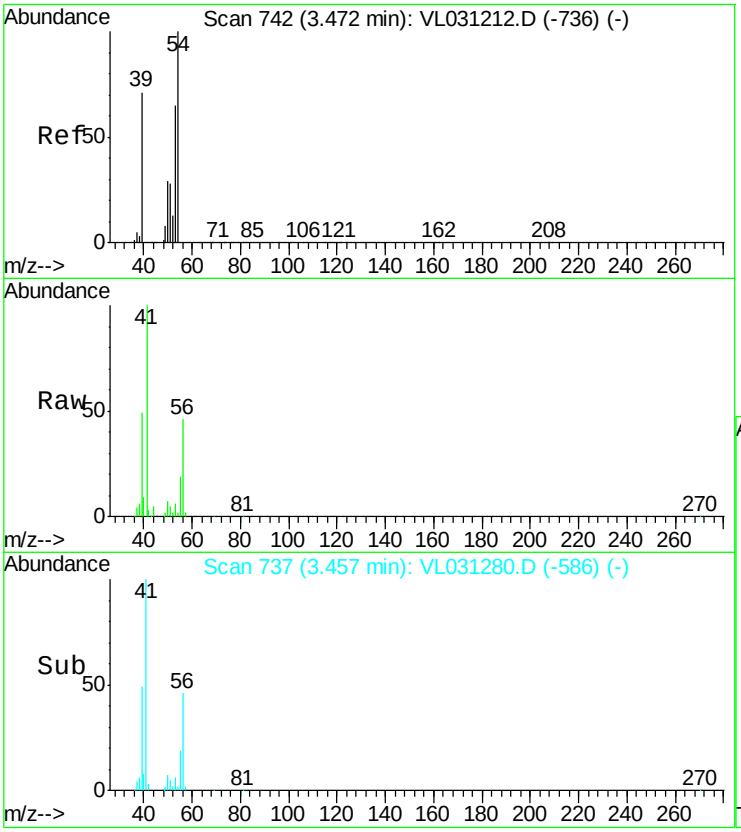


#15
Acetone
Concen: 1.87 ppbv
RT: 4.03 min Scan# 915
Delta R.T. 0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 43 Resp: 399680

Ion	Ratio	Lower	Upper
43	100		
58	44.1	20.3	30.5#



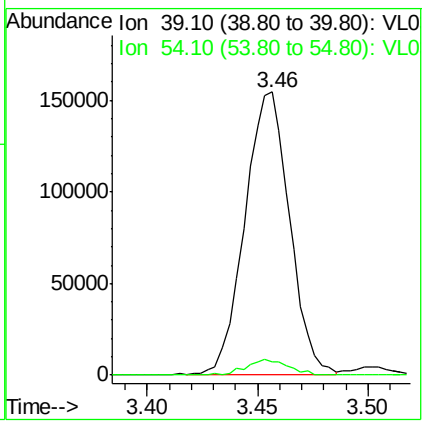


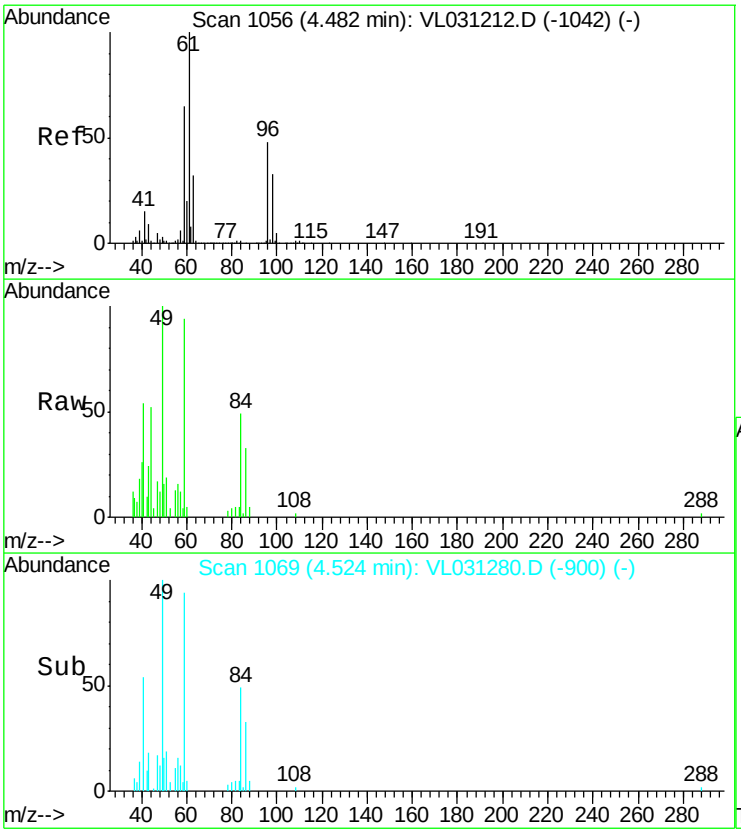
#16
1,3-Butadiene
Concen: 2.36 ppbv
RT: 3.46 min Scan# 737
Delta R.T. -0.02 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tgt Ion: 39 Resp: 217333

Ion	Ratio	Lower	Upper
39	100		
54	5.3	66.4	99.6#

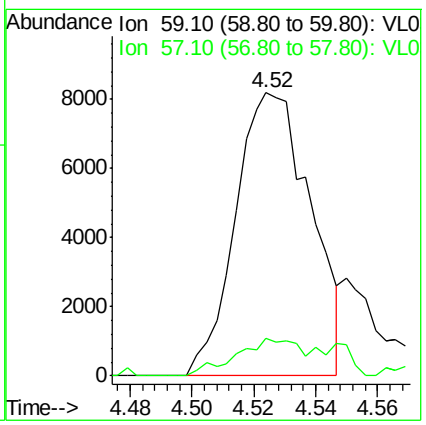


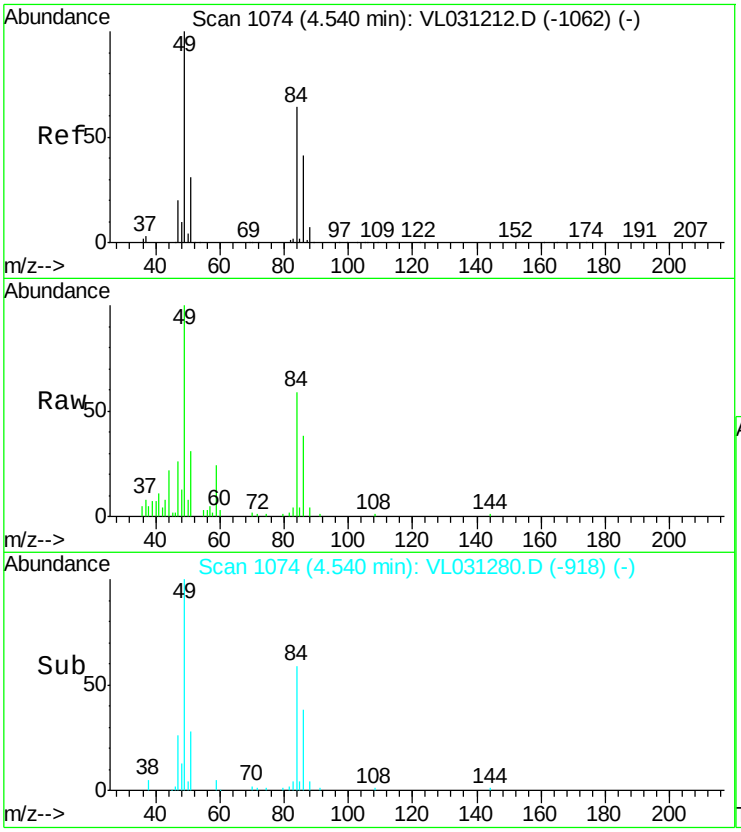


#17
tert-Butyl alcohol
Concen: 0.12 ppbv
RT: 4.52 min Scan# 1069
Delta R.T. 0.04 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 59 Resp: 13839

Ion	Ratio	Lower	Upper
59	100		
57	17.3	8.2	12.2#



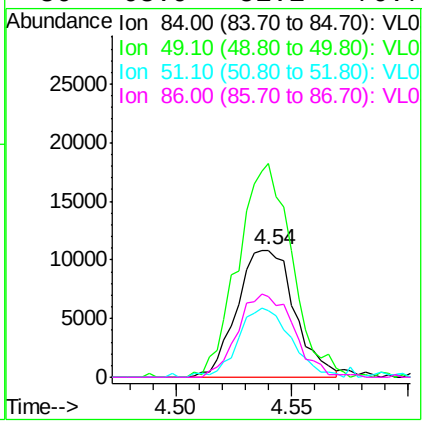


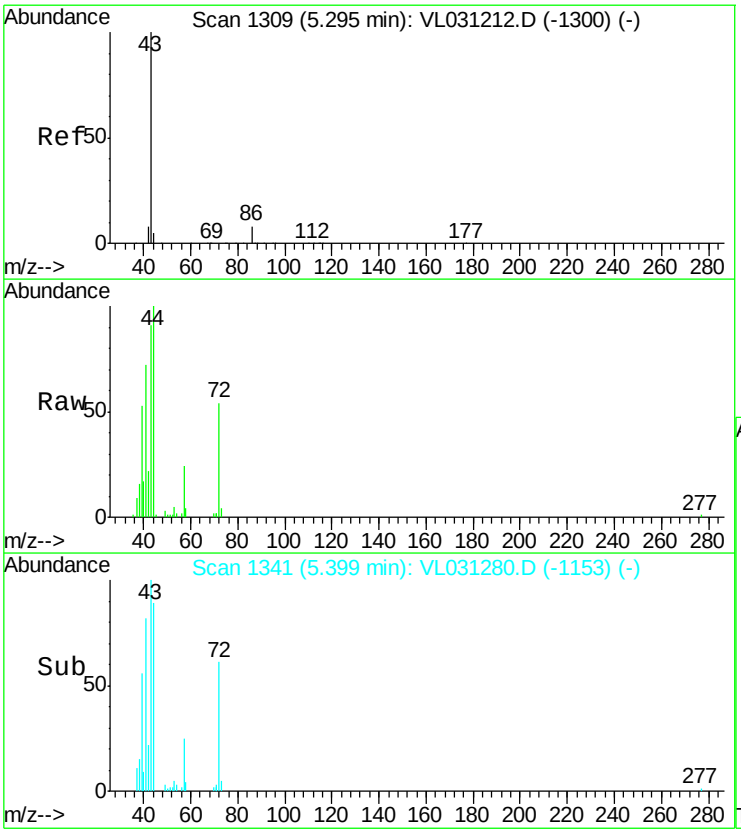
#20
Methylene Chloride
Concen: 0.26 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tgt Ion: 84 Resp: 18624

Ion	Ratio	Lower	Upper
84	100		
49	168.4	125.8	188.6
51	52.0	39.3	58.9
86	63.9	51.1	76.7

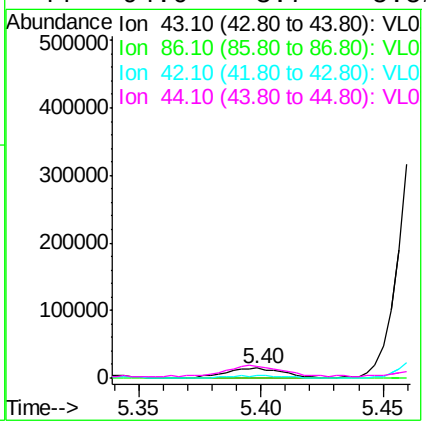


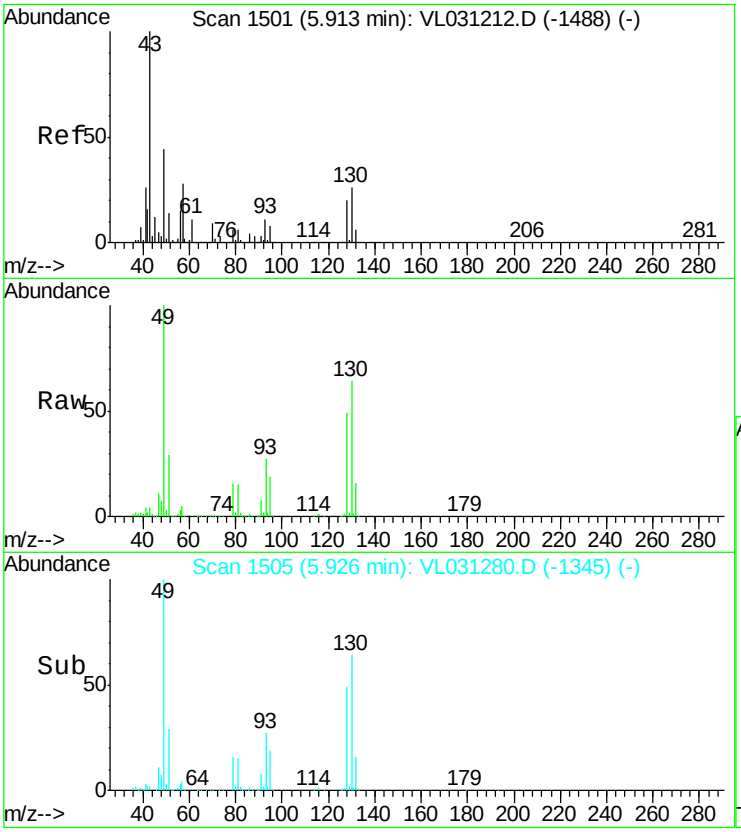


#23
Vinyl Acetate
Concen: 0.06 ppbv
RT: 5.40 min Scan# 1341
Delta R.T. 0.10 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 43 Resp: 21182

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	23.2	7.3	10.9#
44	94.0	3.7	5.5#



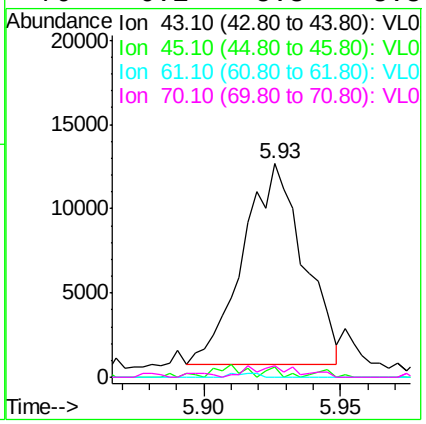


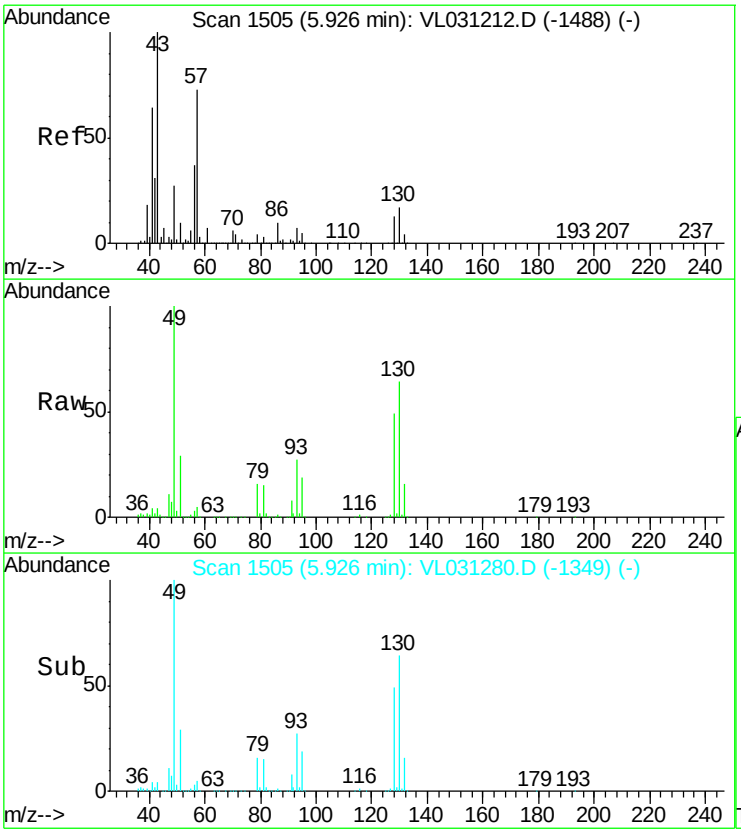
#25
Ethyl Acetate
Concen: 0.04 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Tgt Ion: 43 Resp: 18510

Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.0	12.0#
61	0.9	7.4	11.0#
70	6.1	5.8	8.8

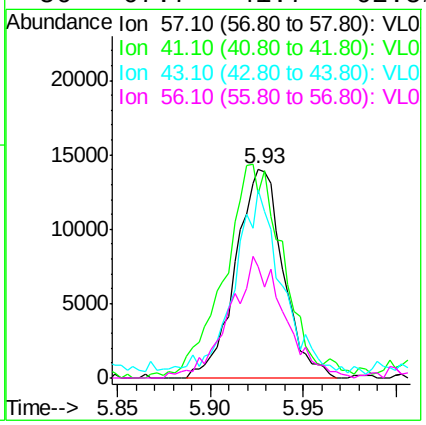


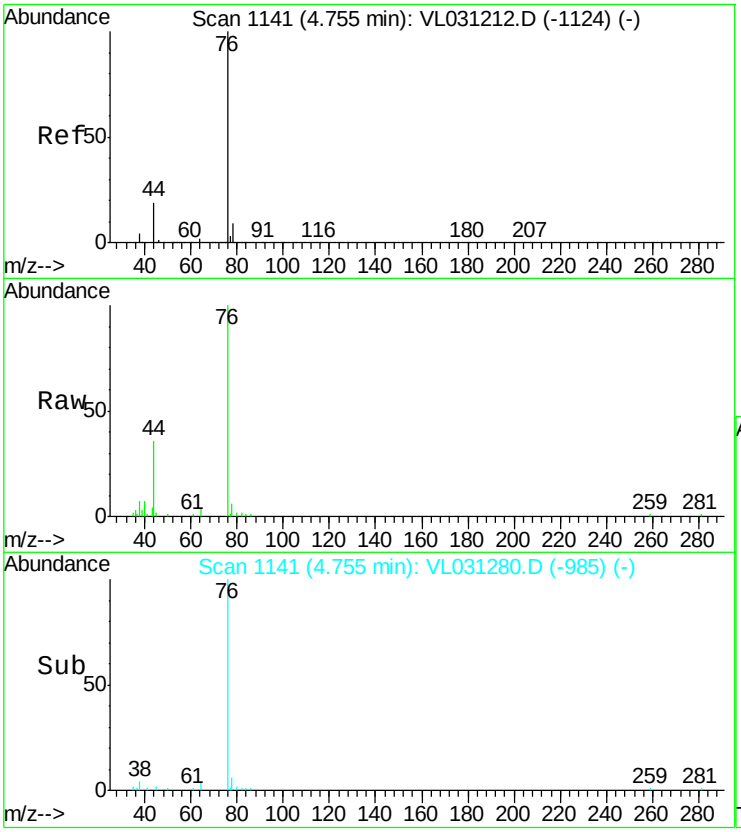


#26
Hexane
Concen: 0.12 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 57 Resp: 24971

Ion	Ratio	Lower	Upper
57	100		
41	130.0	70.3	105.5#
43	0.0	173.8	260.8#
56	67.7	41.7	62.5#



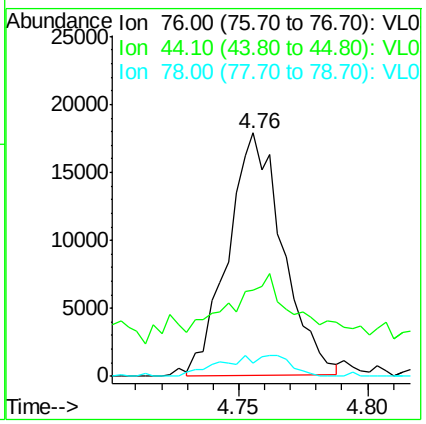


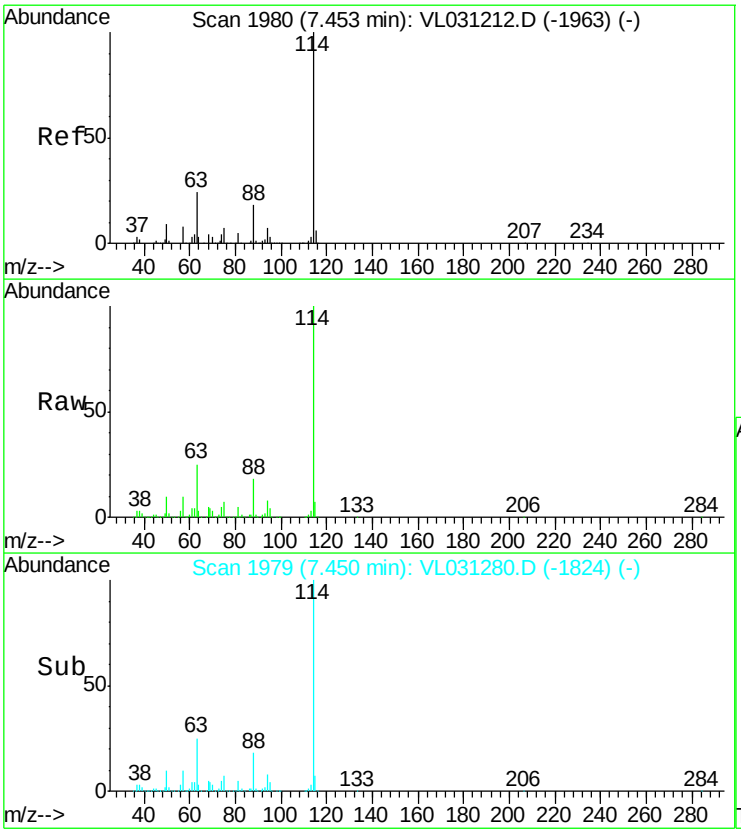
#27
Carbon Disulfide
Concen: 0.13 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Tgt Ion: 76 Resp: 26642

Ion	Ratio	Lower	Upper
76	100		
44	27.4	16.0	24.0#
78	10.8	7.5	11.3

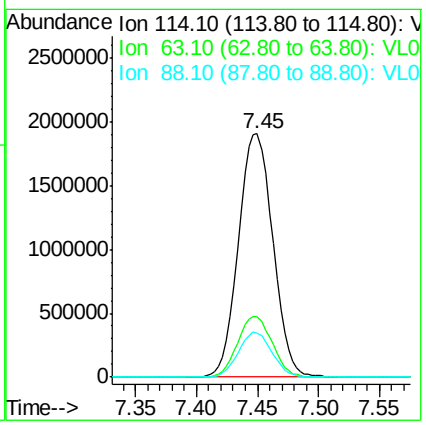


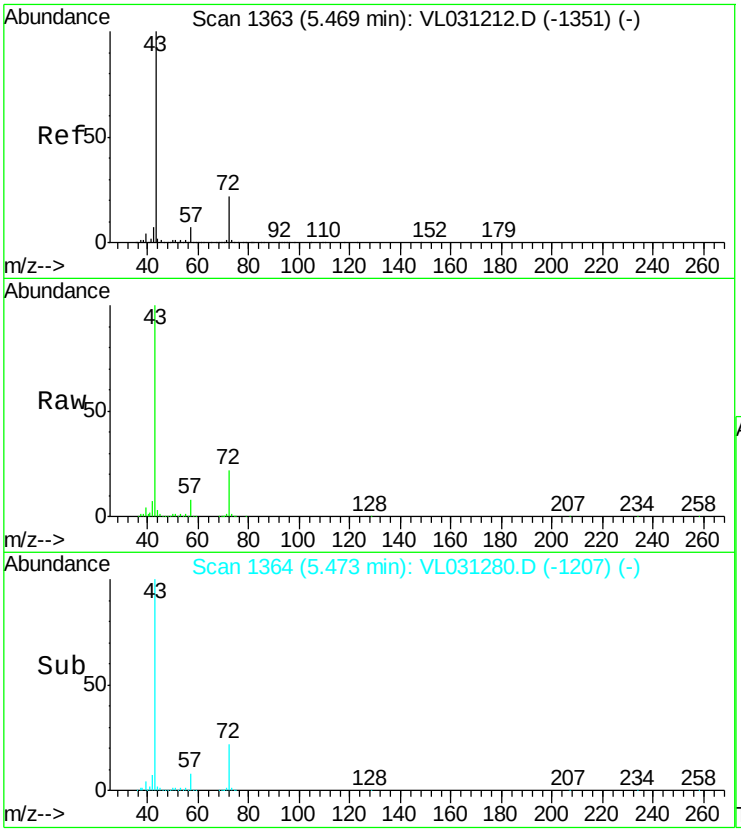


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion:114 Resp: 3711802

Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.8	29.8
88	18.1	14.2	21.4



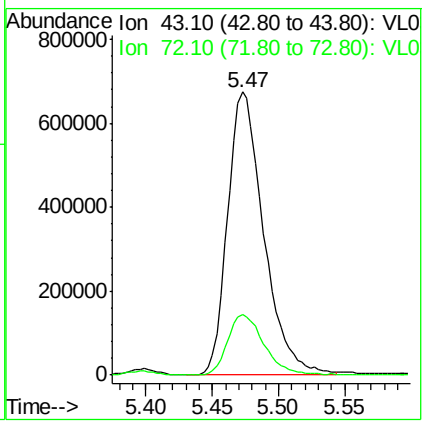


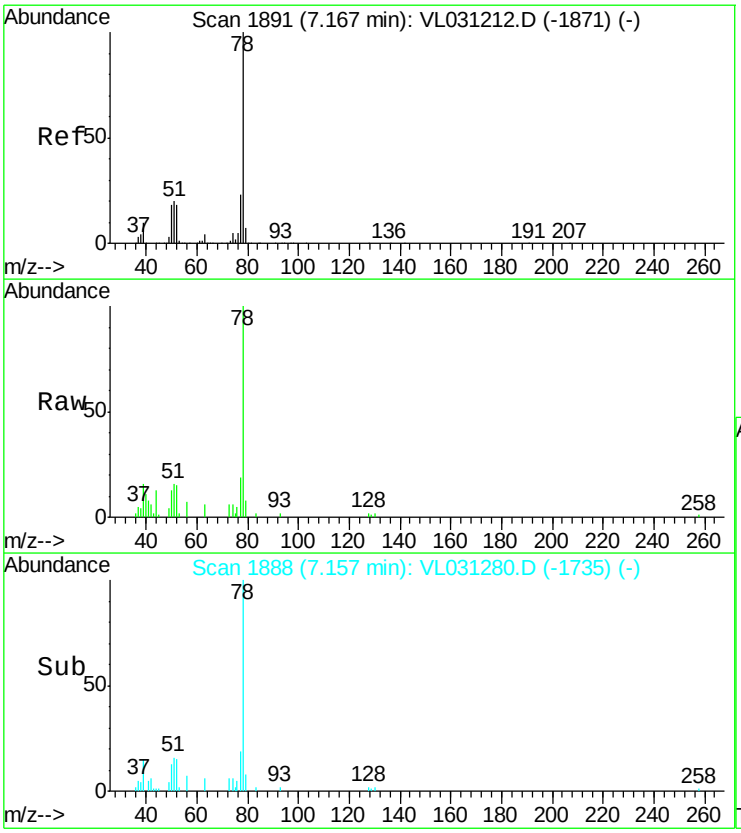
#34
2-Butanone
Concen: 4.86 ppbv
RT: 5.47 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tgt Ion: 43 Resp: 1274490

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.1	27.1

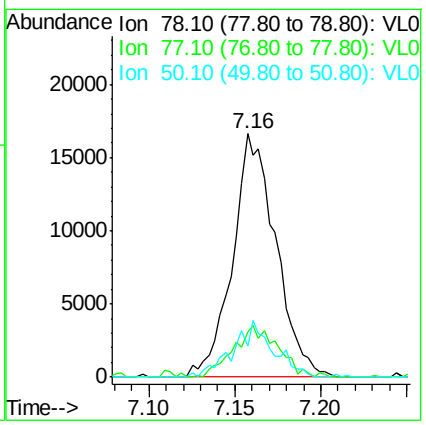


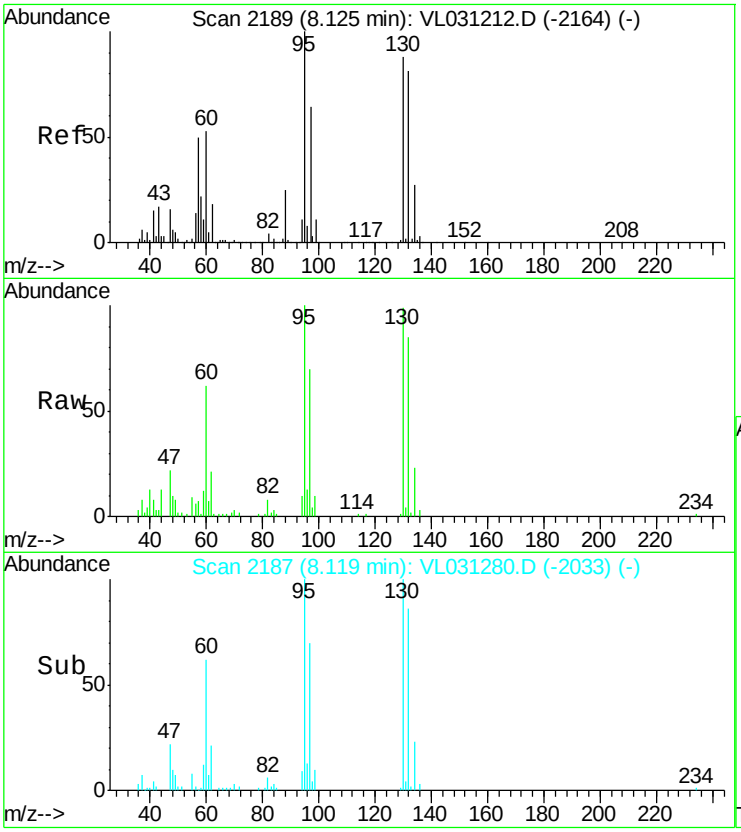


#36
Benzene
Concen: 0.07 ppbv
RT: 7.16 min Scan# 1888
Delta R.T. -0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 78 Resp: 29019

Ion	Ratio	Lower	Upper
78	100		
77	18.8	18.1	27.1
50	11.9	14.6	21.8#



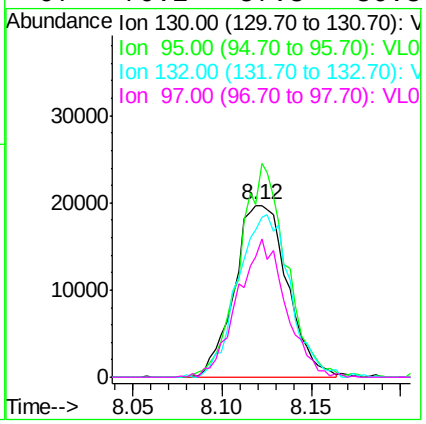


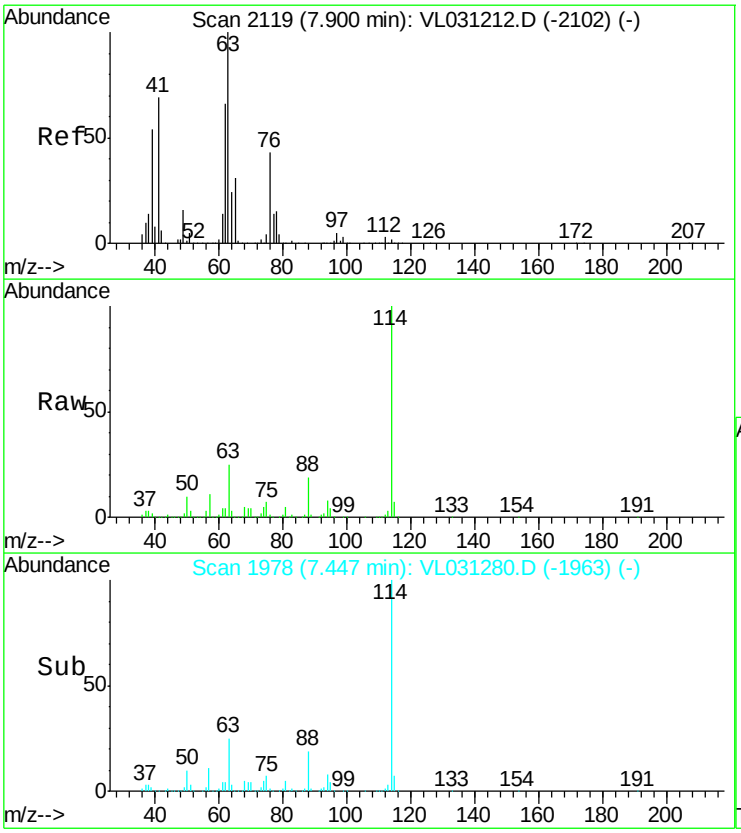
#38
Trichloroethene
Concen: 0.27 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Tgt Ion:130 Resp: 40731

Ion	Ratio	Lower	Upper
130	100		
95	100.7	90.6	135.8
132	84.4	73.5	110.3
97	70.2	57.8	86.8

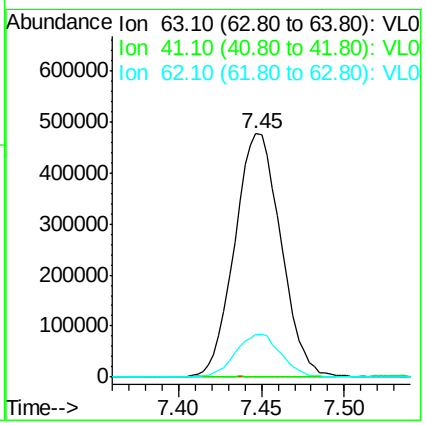


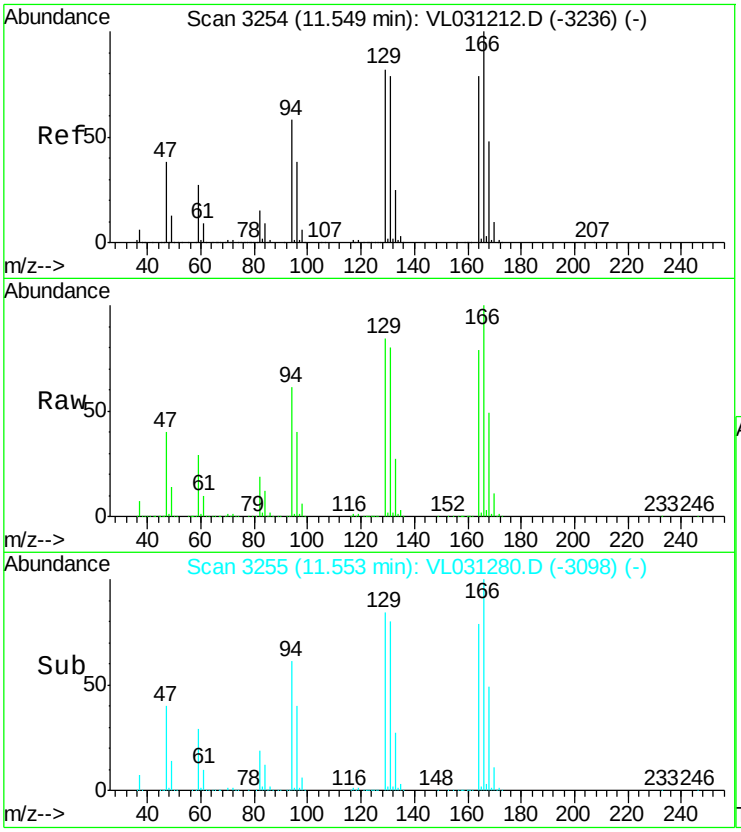


#39
1,2-Dichloropropane
Concen: 6.63 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.45 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 63 Resp: 922499

Ion	Ratio	Lower	Upper
63	100		
41	0.3	55.2	82.8#
62	17.3	53.0	79.4#



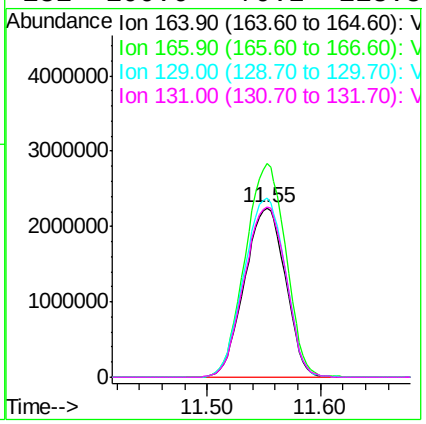


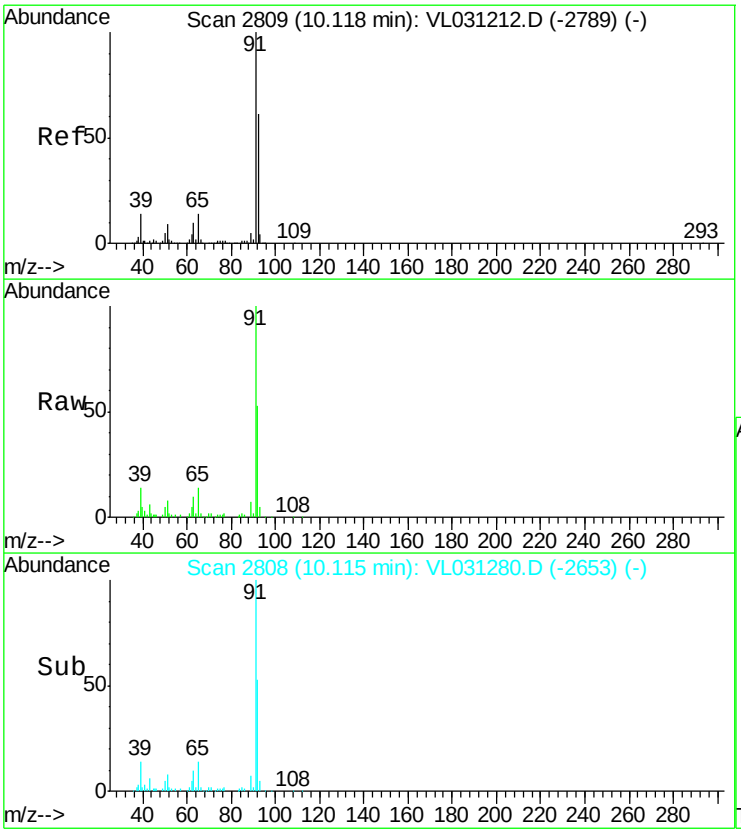
#52
Tetrachloroethene
Concen: 38.79 ppbv
RT: 11.55 min Scan# 3255
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-3DL

Tgt Ion:164 Resp: 5629401

Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.6	151.0
129	105.6	82.9	124.3
131	100.6	79.2	118.8

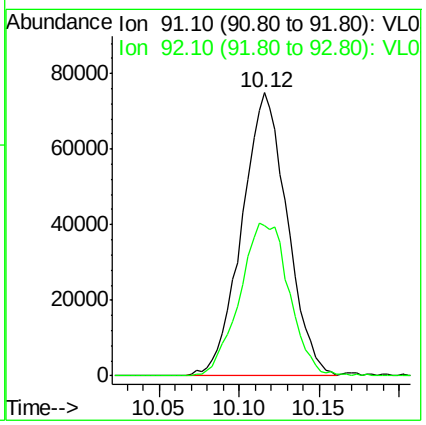


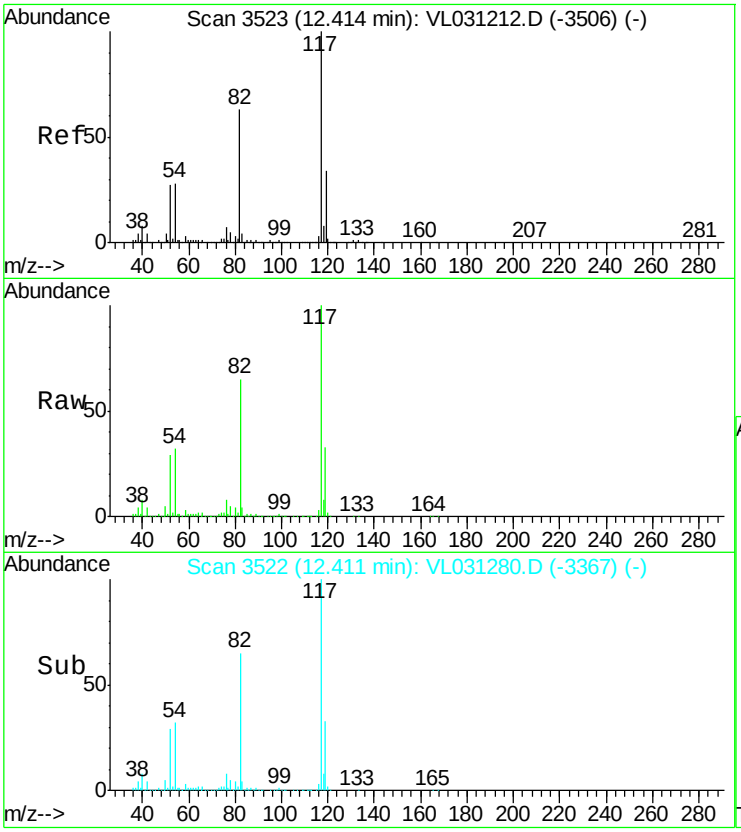


#53
Toluene
Concen: 0.34 ppbv
RT: 10.12 min Scan# 2808
Delta R.T. -0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 91 Resp: 145351

Ion	Ratio	Lower	Upper
91	100		
92	59.0	49.1	73.7



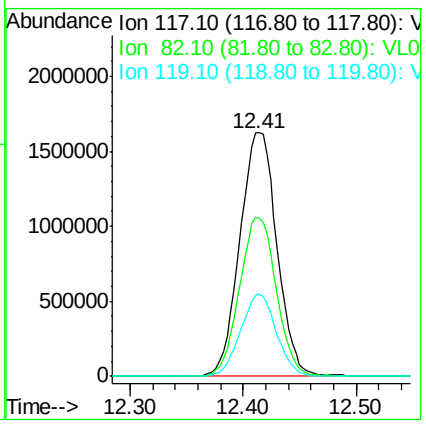


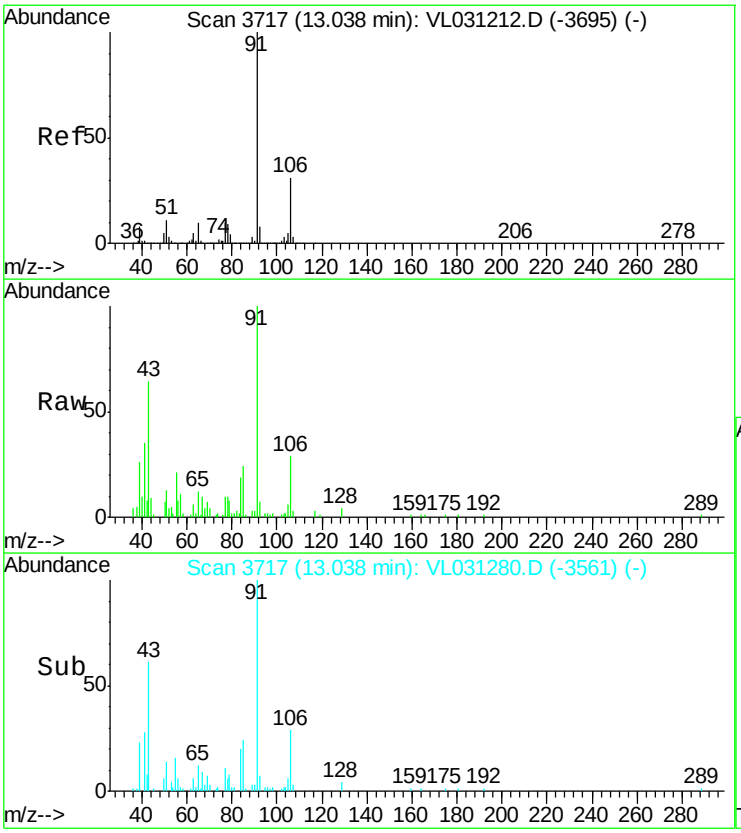
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Tgt Ion:117 Resp: 3704719

Ion	Ratio	Lower	Upper
117	100		
82	65.3	48.1	72.1
119	32.8	23.1	34.7

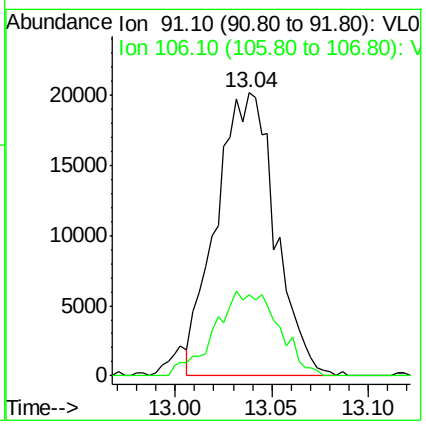


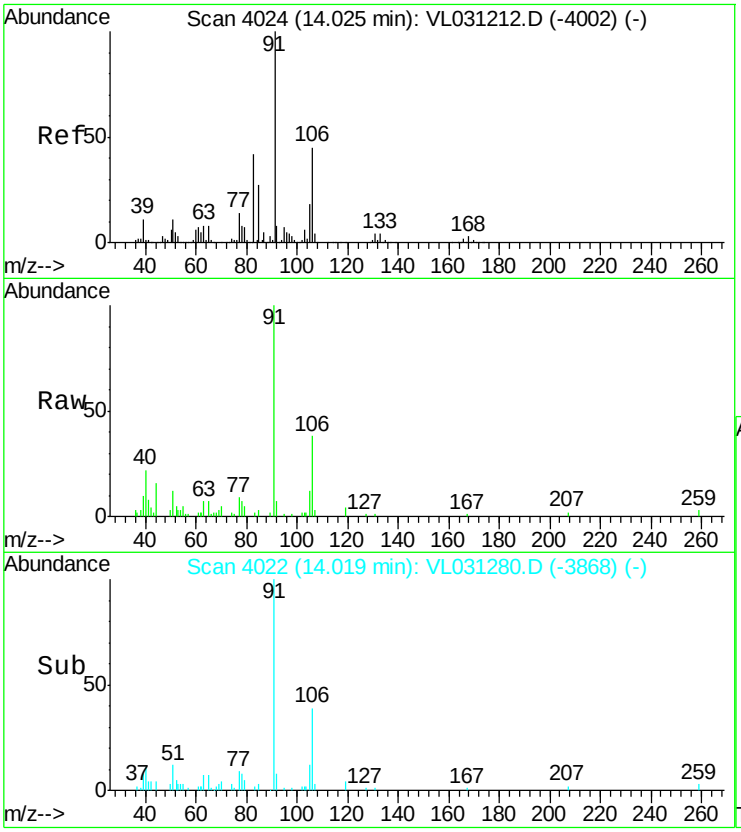


#58
Ethyl Benzene
Concen: 0.07 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 91 Resp: 42891

Ion	Ratio	Lower	Upper
91	100		
106	28.8	25.1	37.7



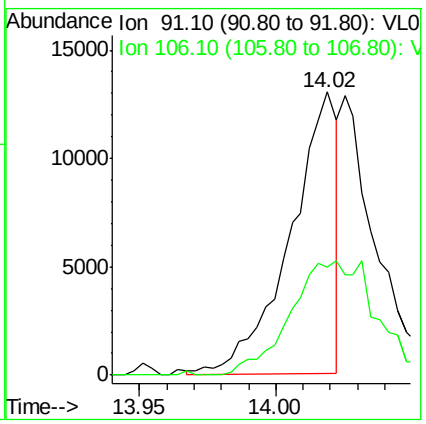


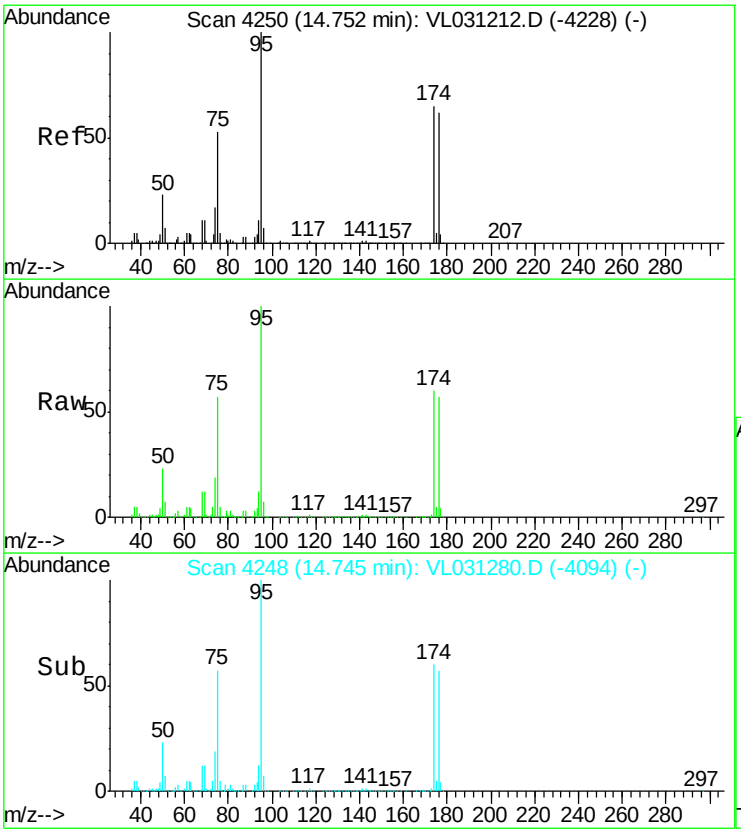
#60
o-Xylene
Concen: 0.03 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Instrument : MSVOA_L
ClientSampleId : EP1-SV-3DL

Tgt Ion: 91 Resp: 15444

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.7	68.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.95 ppbv
RT: 14.75 min Scan# 4248
Delta R.T. -0.01 min
Lab File: VL031280.D
Acq: 20 Dec 2017 21:59

Tgt Ion: 95 Resp: 2885252

Ion	Ratio	Lower	Upper
95	100		
174	61.9	52.5	78.7
175	4.6	4.1	6.1