Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031276.D
Acq On : 20 Dec 2017 19:05
Operator : SY/AP
Sample : I7005-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP1-SV-1DL

Quant Time: Dec 21 08:37:52 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	1698174	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	3746741	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	3823713	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2972357	10.93	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	31092	0.22	ppbv		100
3) Chlorodifluoromethane	3.11	51	6812	0.04	ppbv		96
4) Chloromethane	3.27	50	4186	0.04	ppbv	#	83
9) Propene	3.14	41	74642	0.79	ppbv		99
11) Trichlorofluoromethane	4.13	101	20816	0.09	ppbv	#	67
13) Ethanol	3.78	45	14775	0.54	ppbv	#	49
15) Acetone	4.03	43	346564	1.55	ppbv	#	69
16) 1,3-Butadiene	3.46	39	141532	1.47	ppbv	#	14
17) tert-Butyl alcohol	4.52	59	17411	0.14	ppbv	#	87
20) Methylene Chloride	4.53	84	4914	0.07	ppbv		86
21) Allyl Chloride	4.53	41	4251	0.03	ppbv	#	21
23) Vinyl Acetate	5.40	43	17548	0.05	ppbv	#	4
25) Ethyl Acetate	5.93	43	15712	0.03	ppbv	#	88
26) Hexane	5.93	57	19287	0.09	ppbv	#	5
34) 2-Butanone	5.48	43	1007147	3.81	ppbv		99
39) 1,2-Dichloropropane	7.45	63	951598	6.78	ppbv	#	28
52) Tetrachloroethene	11.55	164	92367	0.63	ppbv		92
53) Toluene	10.11	91	931535	2.16	ppbv		97
58) Ethyl Benzene	13.03	91	43260	0.07	ppbv		93
59) m/p-Xylene	13.32	91	22853	0.05	ppbv	#	29
60) o-Xylene	14.02	91	28845	0.06	ppbv		69

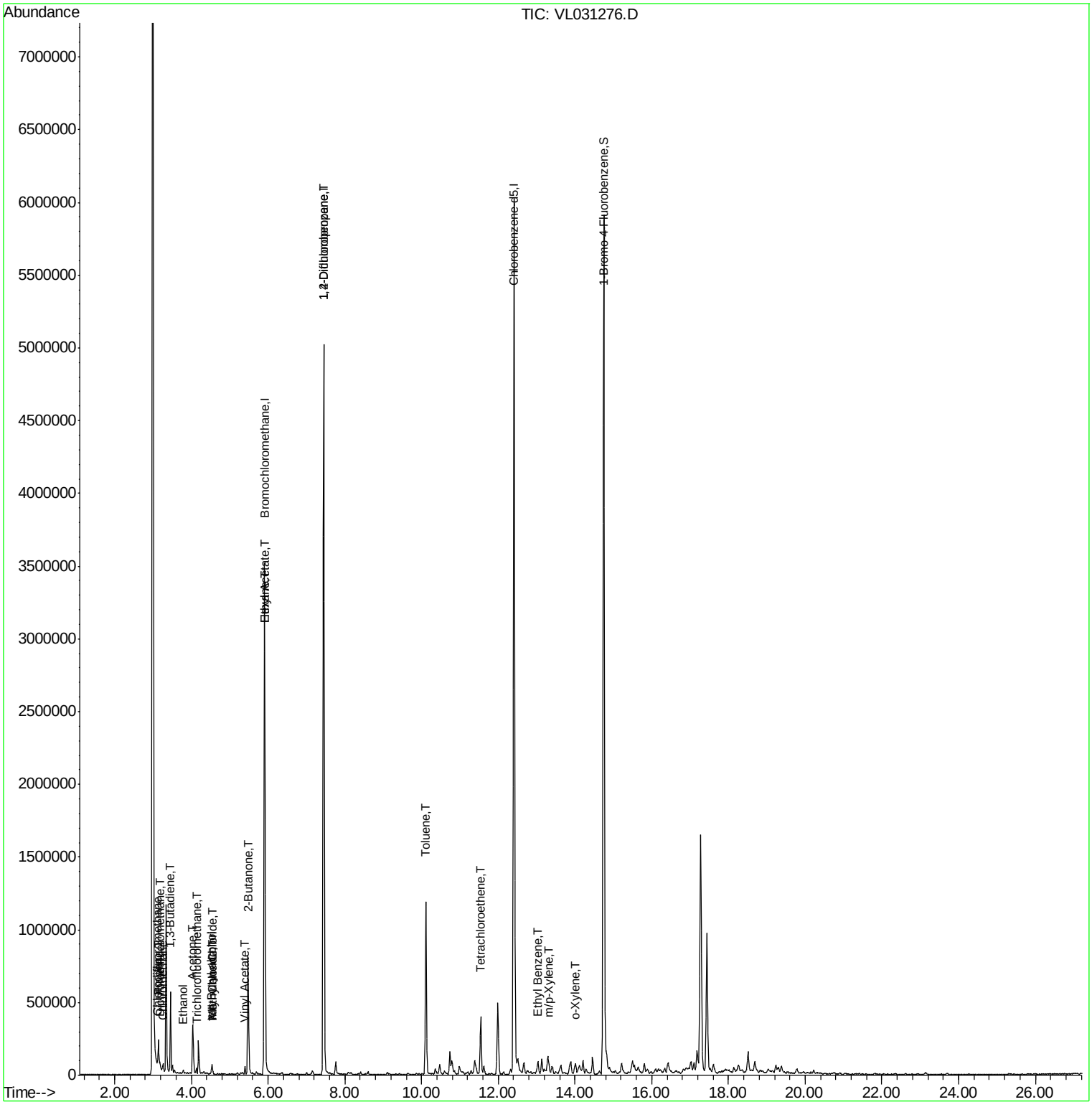
(#) = qualifier out of range (m) = manual integration (+) = signals summed

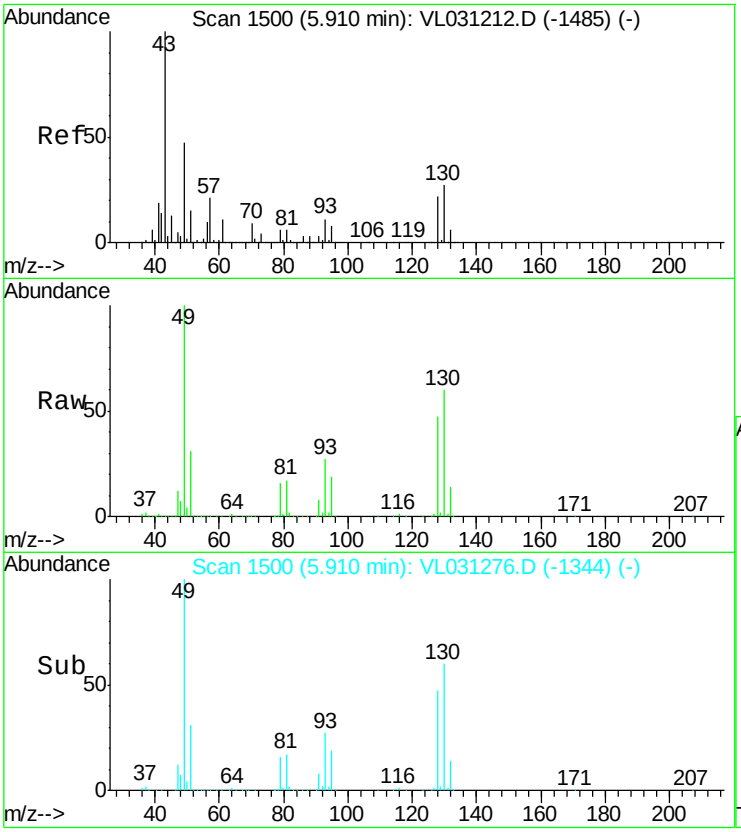
Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031276.D
Acq On : 20 Dec 2017 19:05
Operator : SY/AP
Sample : I7005-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Quant Time: Dec 21 08:37:52 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



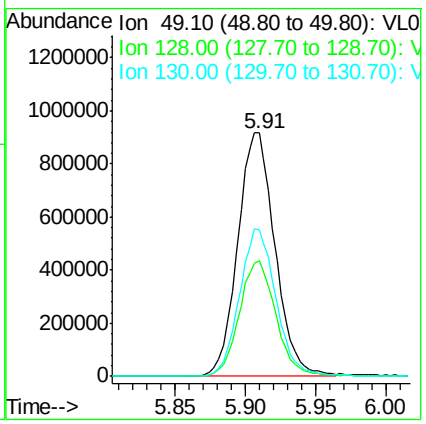


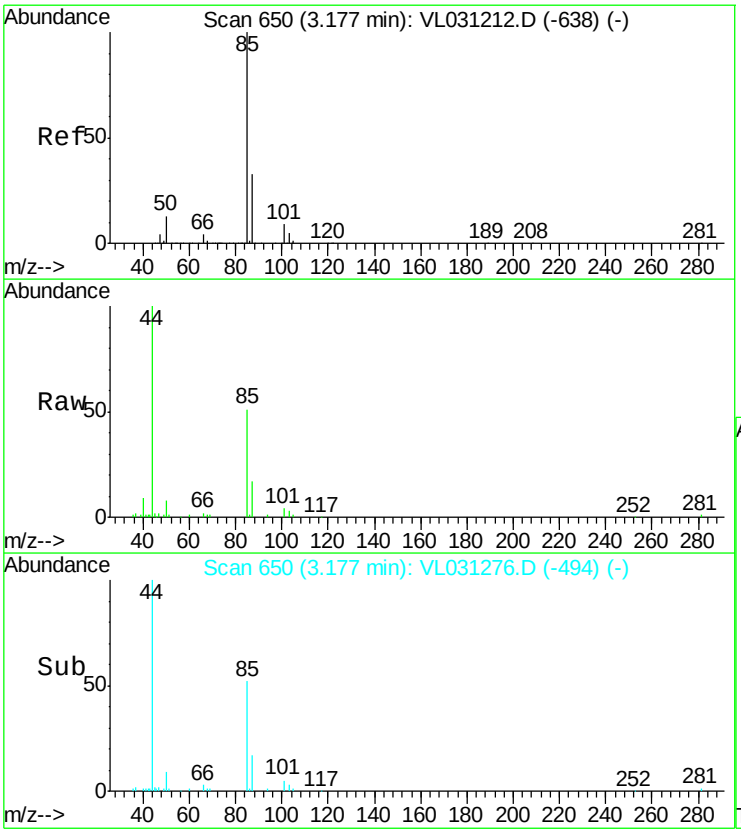
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion: 49 Resp: 1698174

Ion	Ratio	Lower	Upper
49	100		
128	47.0	23.2	69.5
130	60.0	29.6	88.8

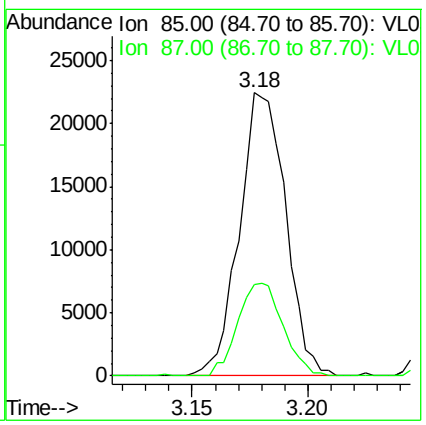


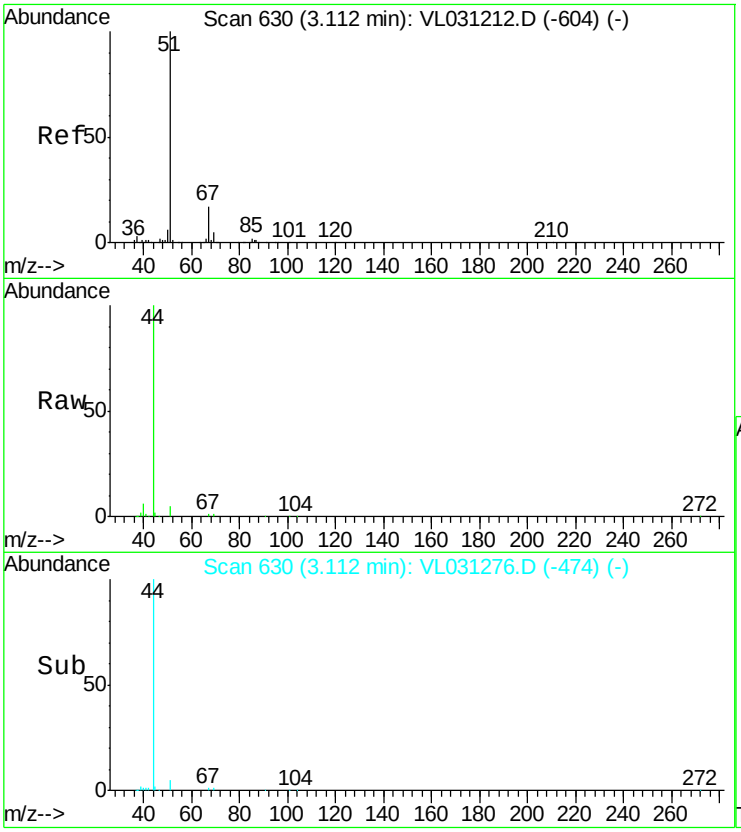


#2
Dichlorodifluoromethane
Concen: 0.22 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 85 Resp: 31092

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.2



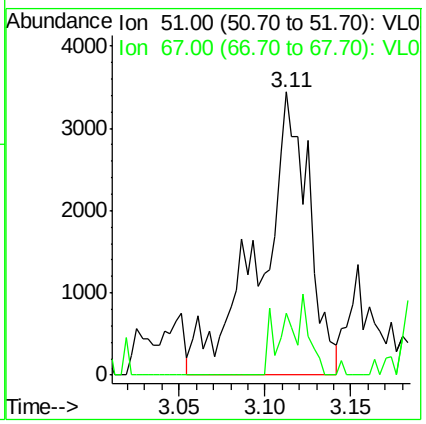


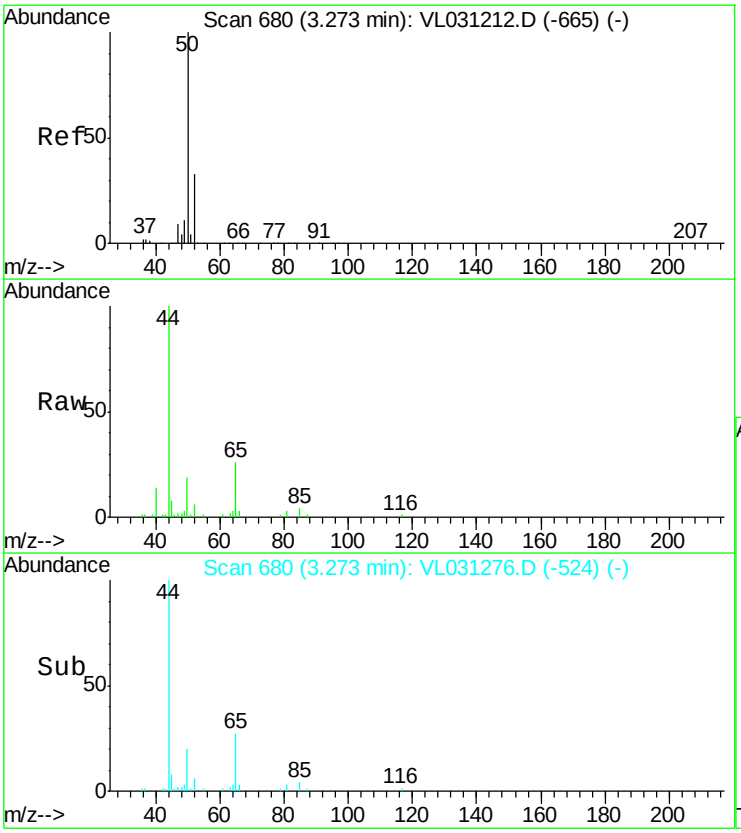
#3
Chlorodifluoromethane
Concen: 0.04 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion: 51 Resp: 6812

Ion	Ratio	Lower	Upper
51	100		
67	15.3	13.8	20.6

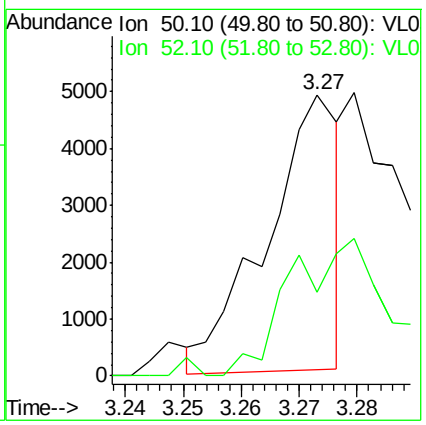


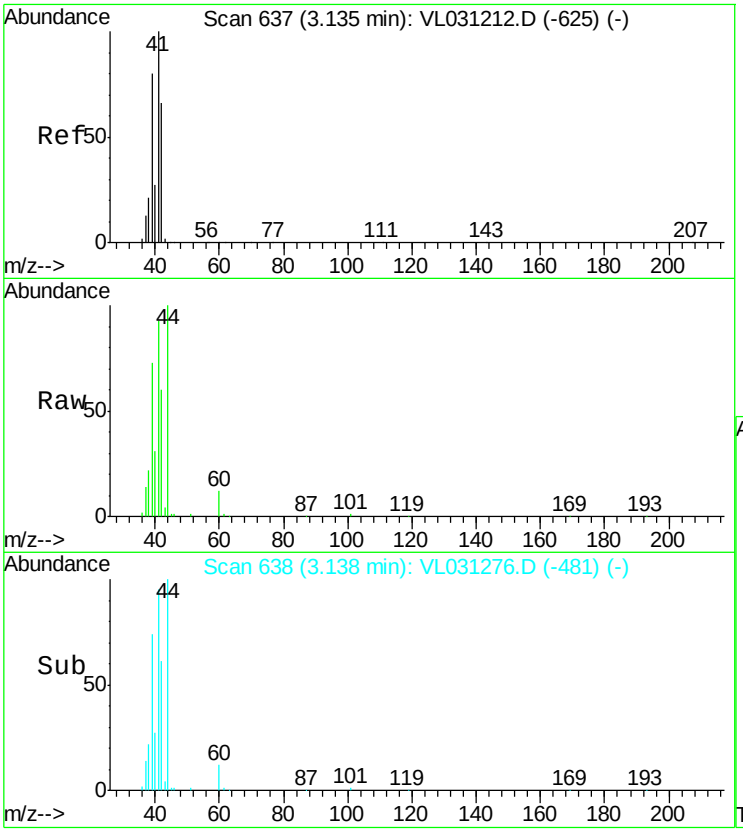


#4
Chloromethane
Concen: 0.04 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 50 Resp: 4186

Ion	Ratio	Lower	Upper
50	100		
52	23.7	26.5	39.7#



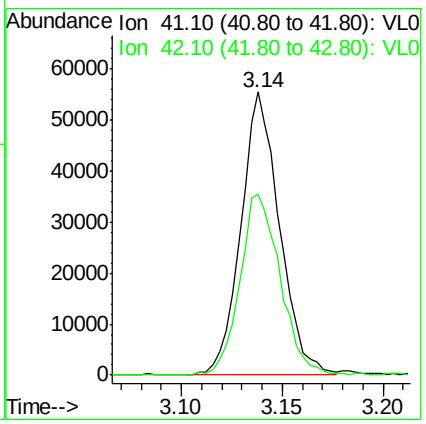


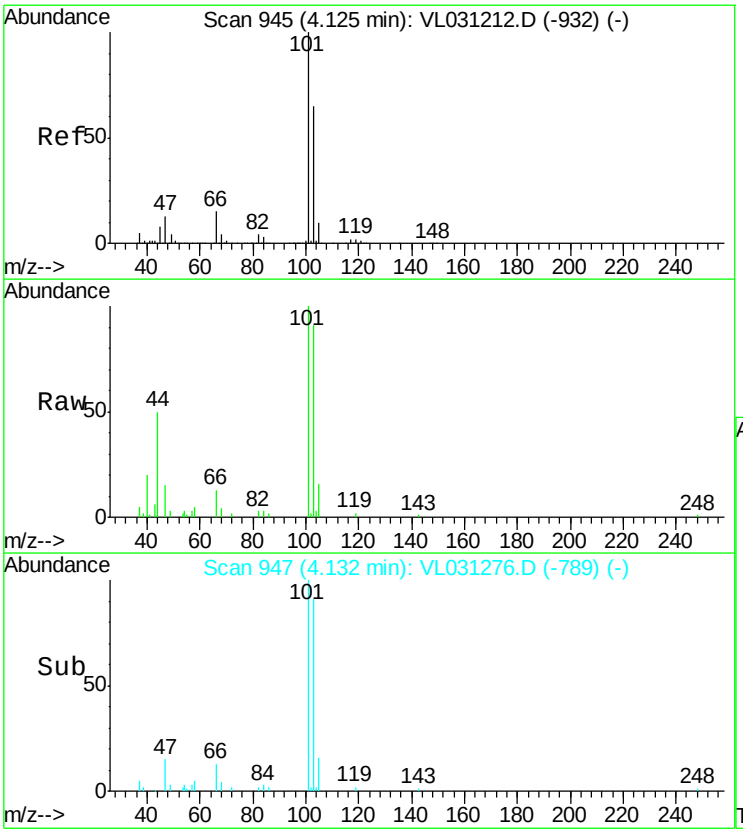
#9
Propene
Concen: 0.79 ppbv
RT: 3.14 min Scan# 638
Delta R.T. 0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion: 41 Resp: 74642

Ion	Ratio	Lower	Upper
41	100		
42	67.3	54.3	81.5

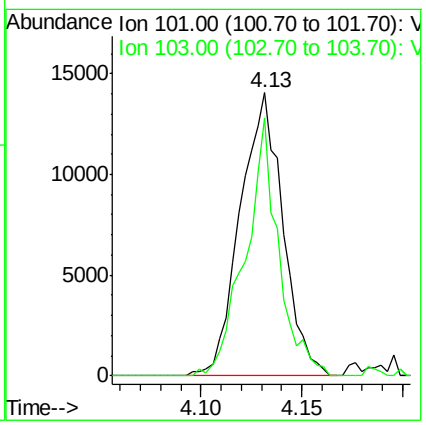


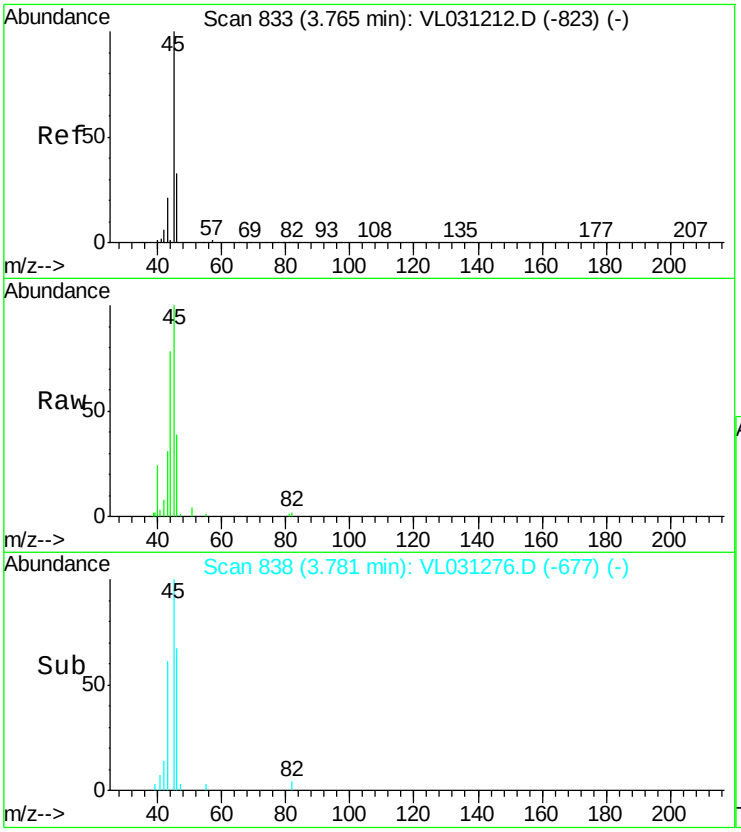


#11
Trichlorofluoromethane
Concen: 0.09 ppbv
RT: 4.13 min Scan# 947
Delta R.T. 0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion:101 Resp: 20816

Ion	Ratio	Lower	Upper
101	100		
103	91.1	51.8	77.8#



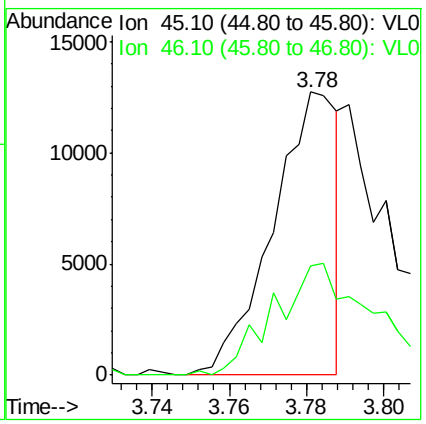


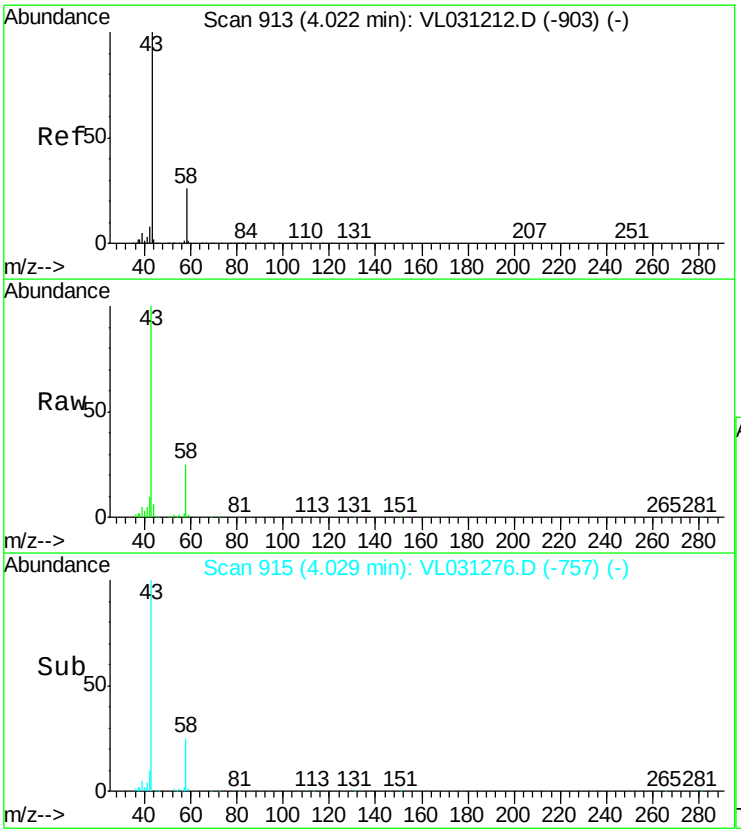
#13
Ethanol
Concen: 0.54 ppbv
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument : MSVOA_L
ClientSampleId : EP1-SV-1DL

Tgt Ion: 45 Resp: 14775

Ion	Ratio	Lower	Upper
45	100		
46	66.8	14.6	58.4#

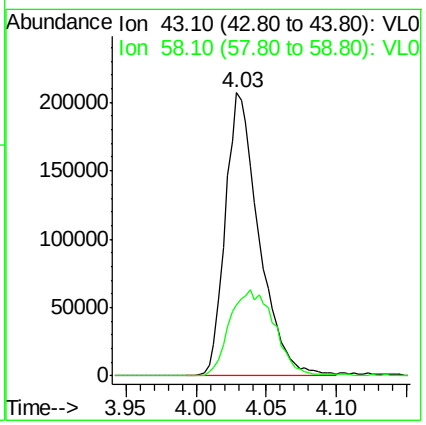


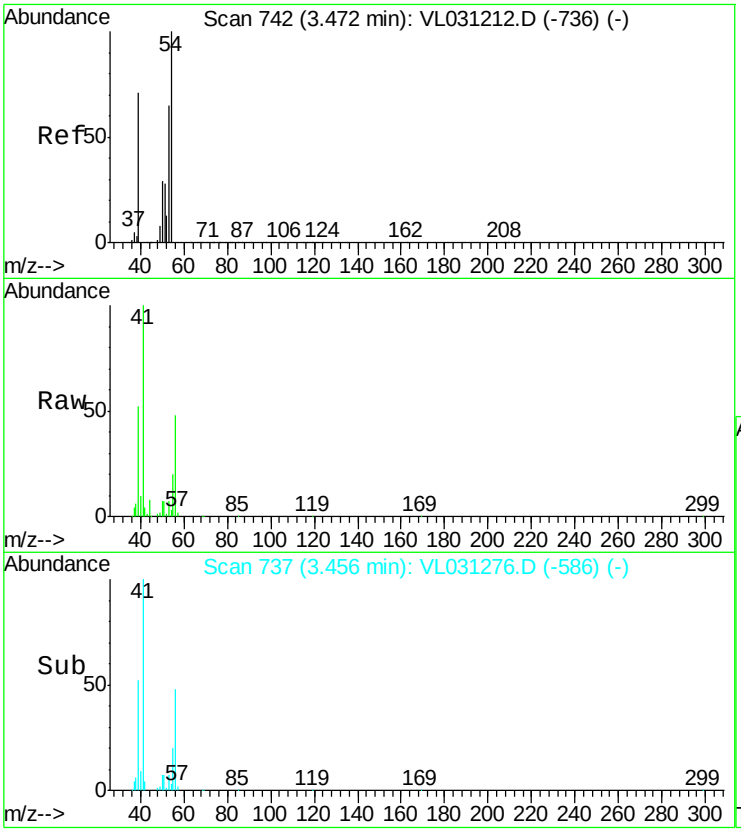


#15
Acetone
Concen: 1.55 ppbv
RT: 4.03 min Scan# 915
Delta R.T. 0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 43 Resp: 346564

Ion	Ratio	Lower	Upper
43	100		
58	40.8	20.3	30.5#



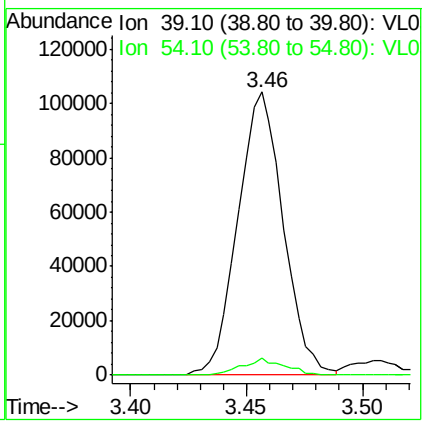


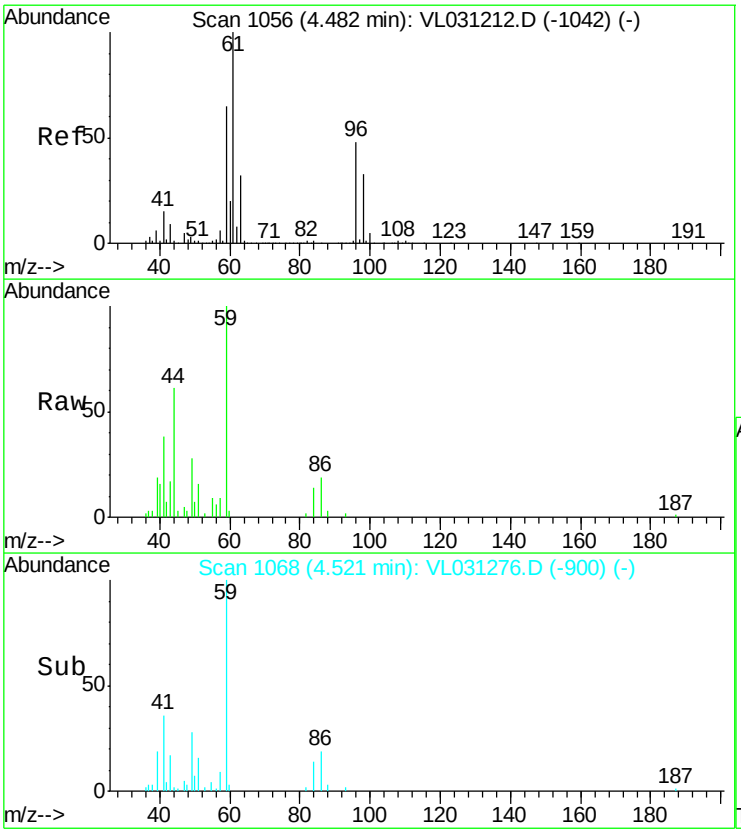
#16
1,3-Butadiene
Concen: 1.47 ppbv
RT: 3.46 min Scan# 737
Delta R.T. -0.02 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion: 39 Resp: 141532

Ion	Ratio	Lower	Upper
39	100		
54	5.7	66.4	99.6#

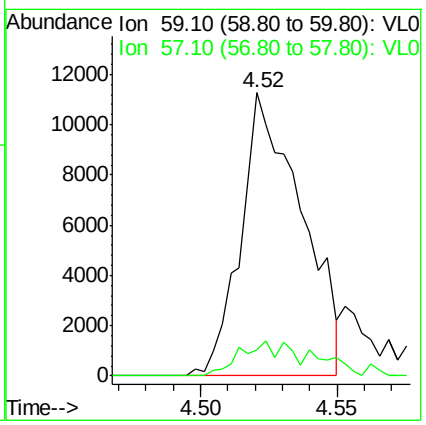


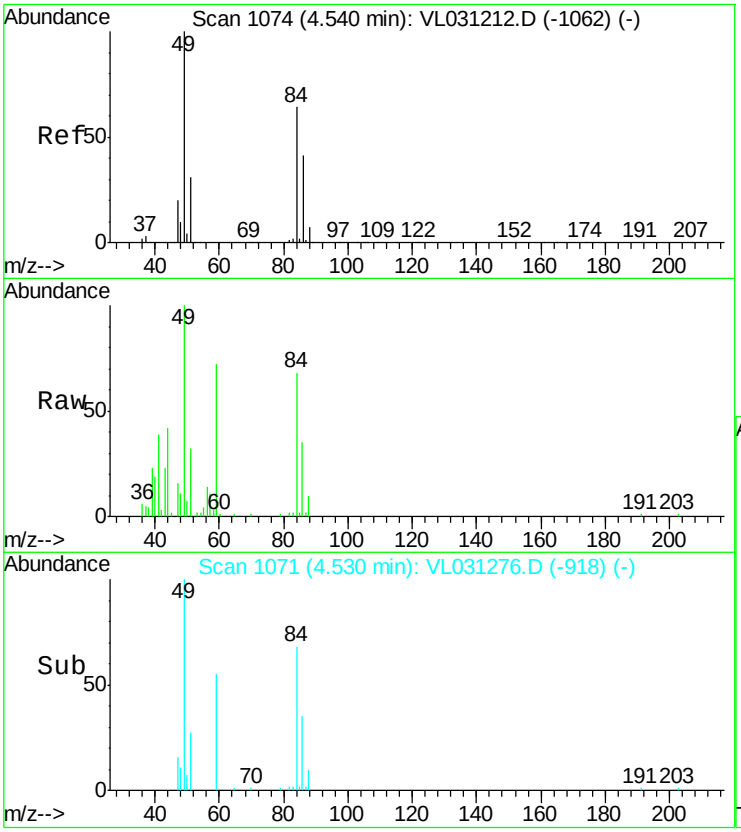


#17
tert-Butyl alcohol
Concen: 0.14 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.04 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 59 Resp: 17411

Ion	Ratio	Lower	Upper
59	100		
57	14.9	8.2	12.2#



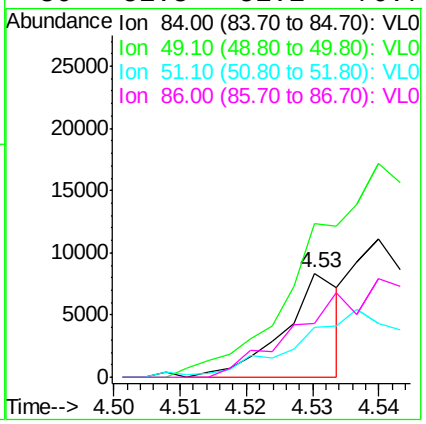


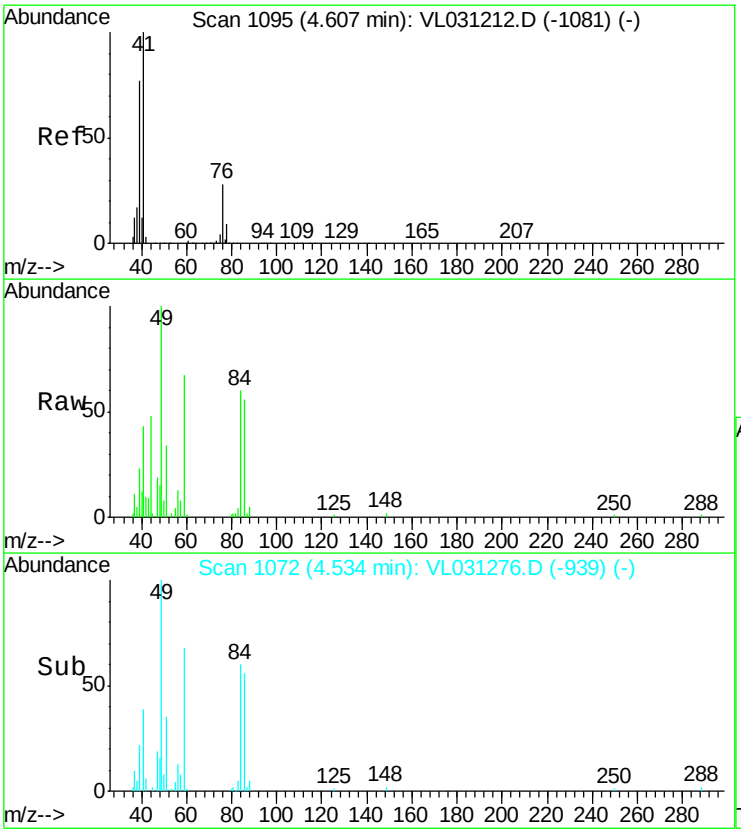
#20
Methylene Chloride
Concen: 0.07 ppbv
RT: 4.53 min Scan# 1071
Delta R.T. -0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion: 84 Resp: 4914

Ion	Ratio	Lower	Upper
84	100		
49	135.8	125.8	188.6
51	45.0	39.3	58.9
86	51.8	51.1	76.7

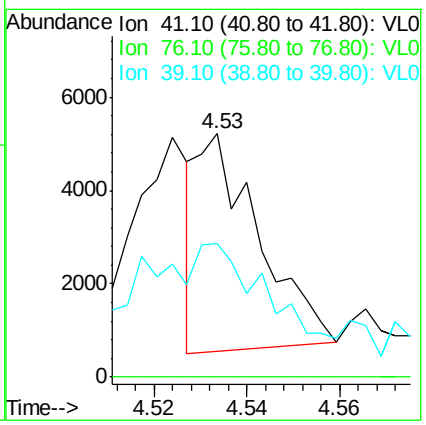


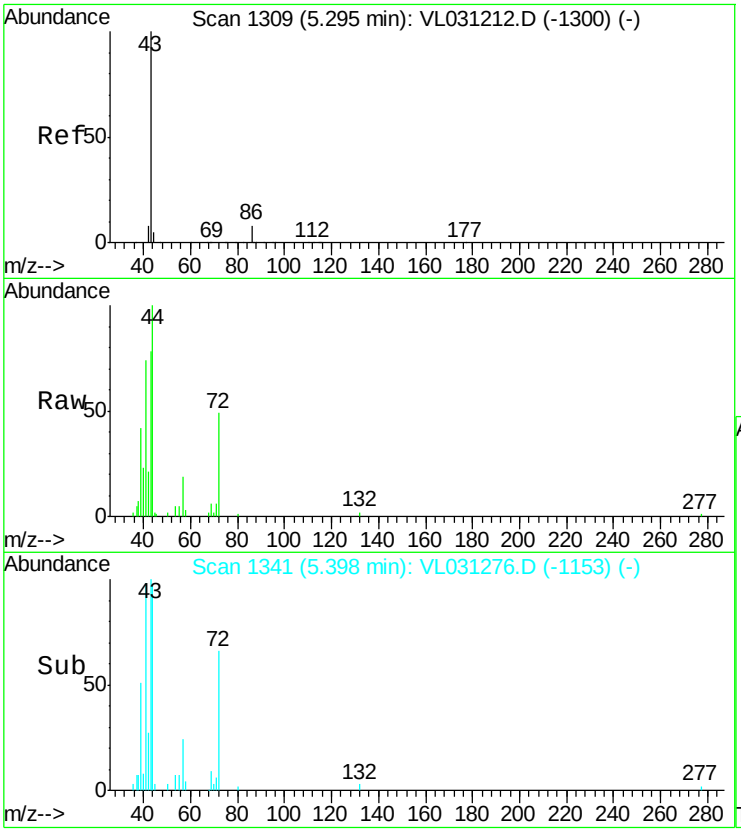


#21
Allyl Chloride
Concen: 0.03 ppbv
RT: 4.53 min Scan# 1072
Delta R.T. -0.07 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 41 Resp: 4251

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	154.6	62.6	93.8#



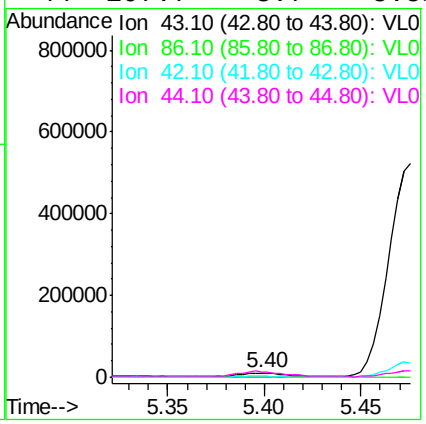


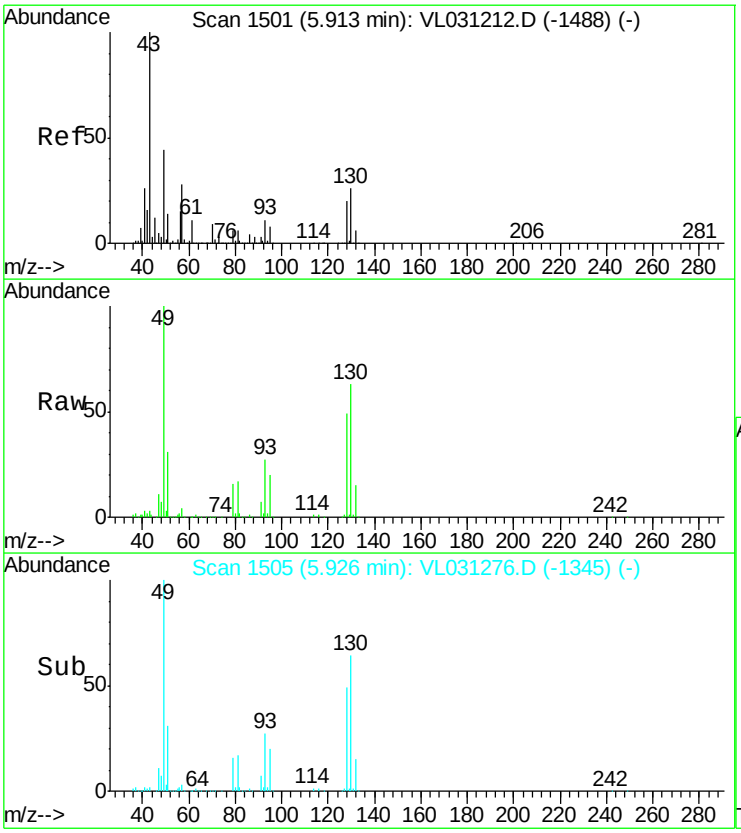
#23
Vinyl Acetate
Concen: 0.05 ppbv
RT: 5.40 min Scan# 1341
Delta R.T. 0.10 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument : MSVOA_L
ClientSampleId : EP1-SV-1DL

Tgt Ion: 43 Resp: 17548

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#
42	25.9	7.3	10.9#
44	107.7	3.7	5.5#

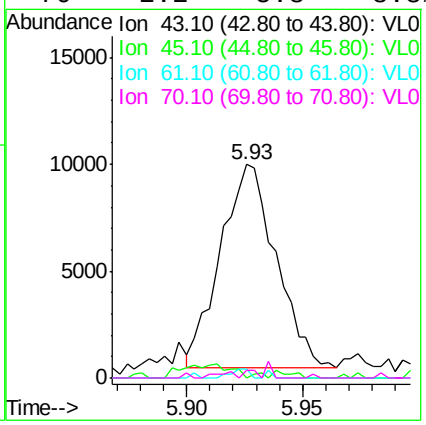


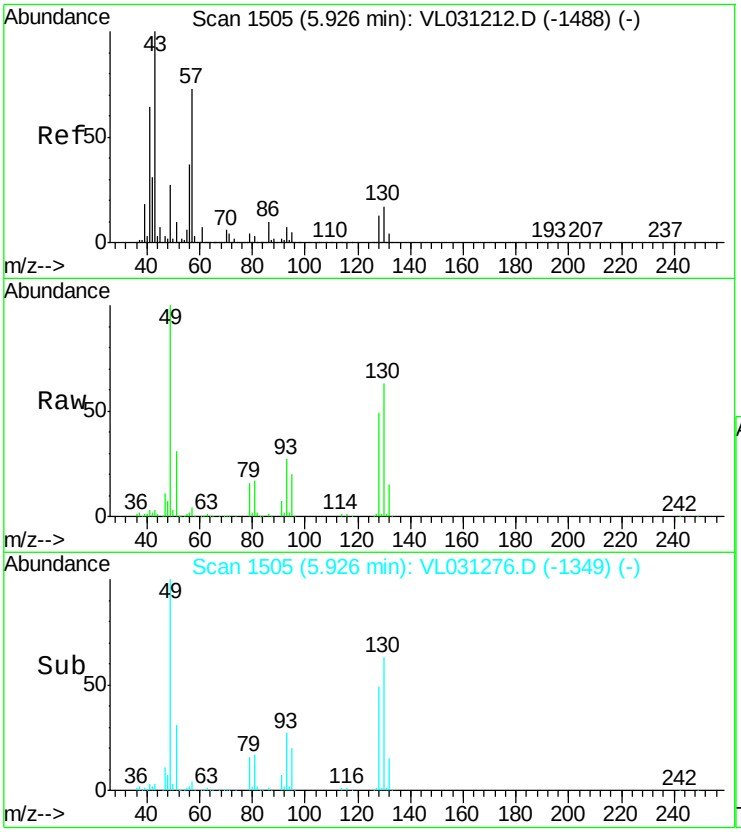


#25
Ethyl Acetate
Concen: 0.03 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 43 Resp: 15712

Ion	Ratio	Lower	Upper
43	100		
45	8.3	8.0	12.0
61	2.3	7.4	11.0#
70	2.2	5.8	8.8#



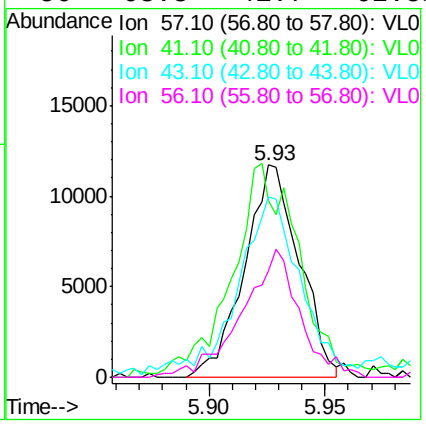


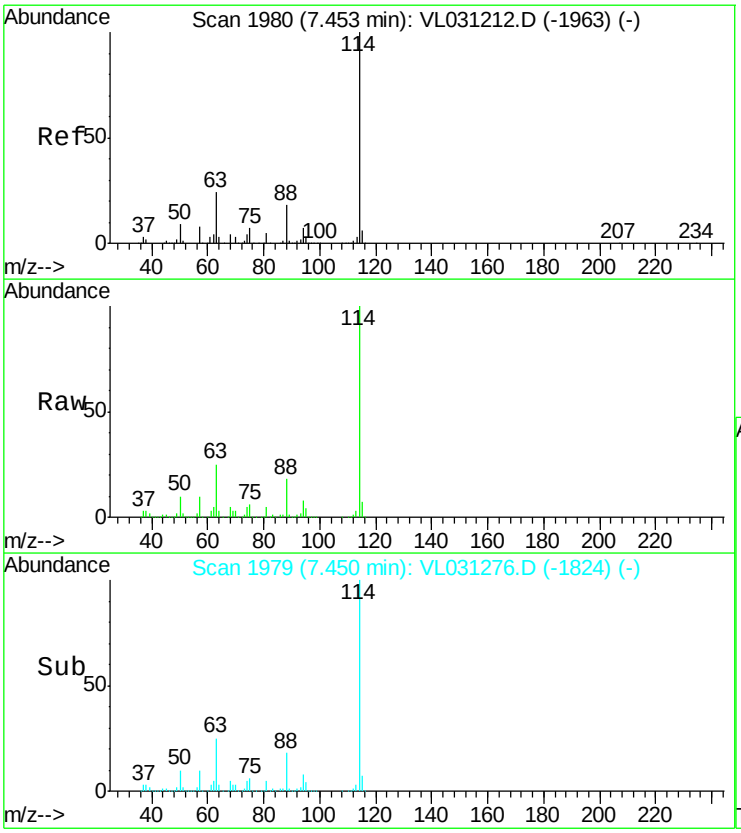
#26
Hexane
Concen: 0.09 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument : MSVOA_L
ClientSampleId : EP1-SV-1DL

Tgt Ion: 57 Resp: 19287

Ion	Ratio	Lower	Upper
57	100		
41	123.8	70.3	105.5#
43	0.0	173.8	260.8#
56	63.3	41.7	62.5#

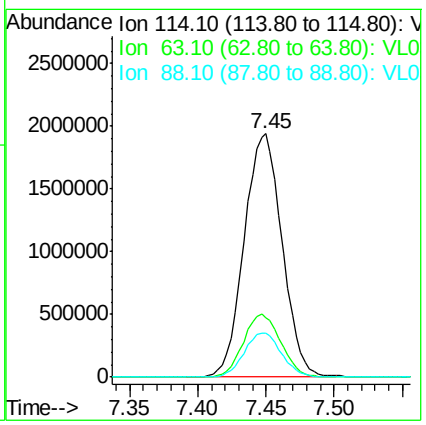


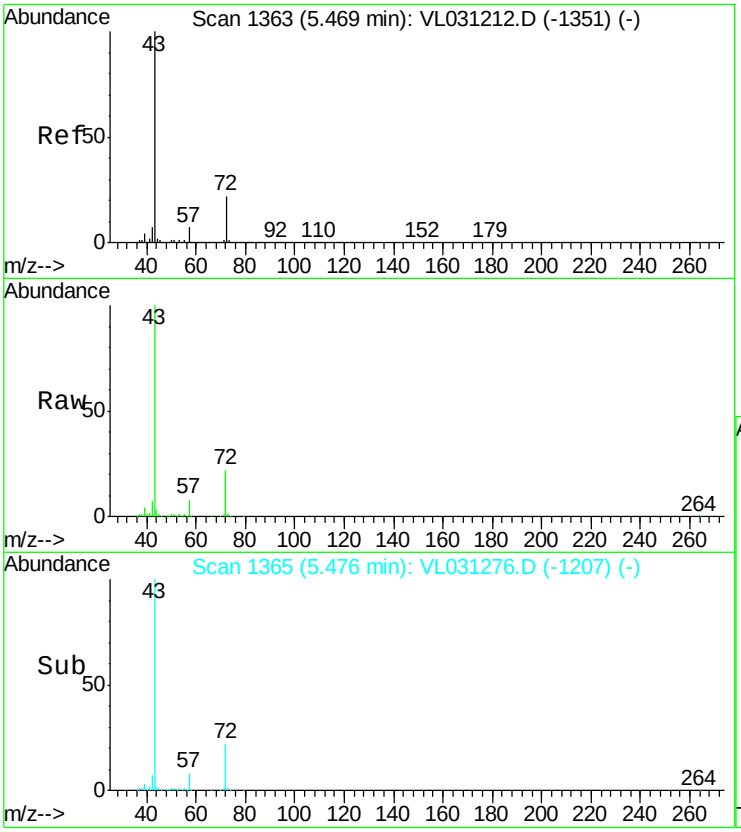


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion:114 Resp: 3746741

Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.8	29.8
88	17.9	14.2	21.4



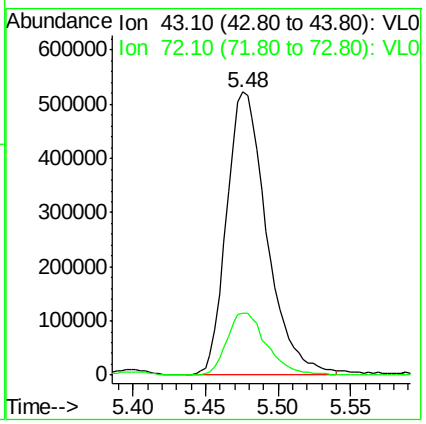


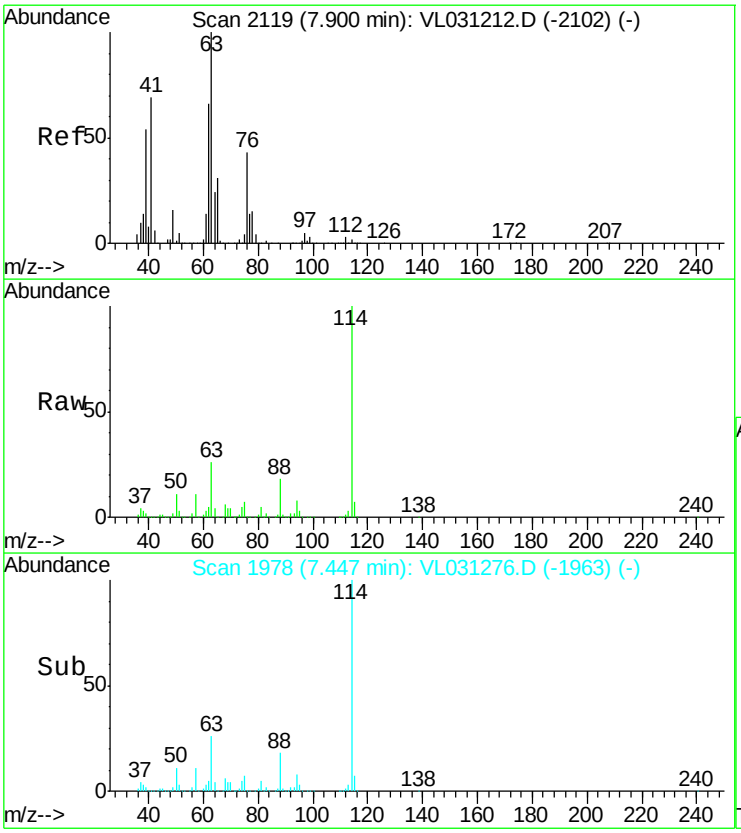
#34
2-Butanone
Concen: 3.81 ppbv
RT: 5.48 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument : MSVOA_L
ClientSampleId : EP1-SV-1DL

Tgt Ion: 43 Resp: 1007147

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.1	27.1

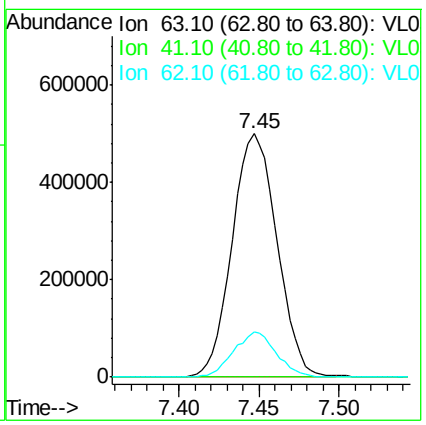


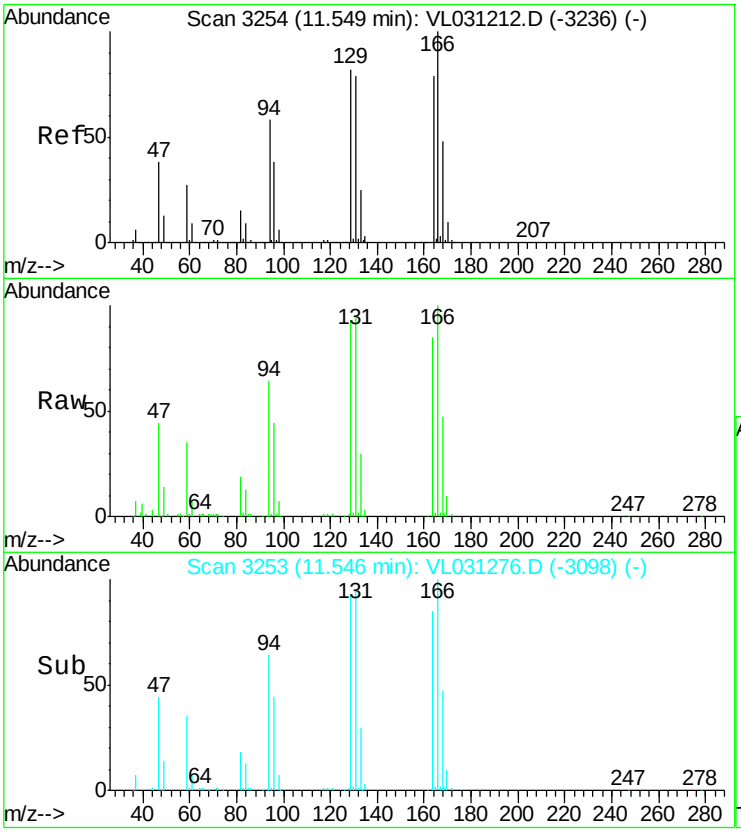


#39
1,2-Dichloropropane
Concen: 6.78 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.45 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 63 Resp: 951598

Ion	Ratio	Lower	Upper
63	100		
41	0.3	55.2	82.8#
62	18.5	53.0	79.4#



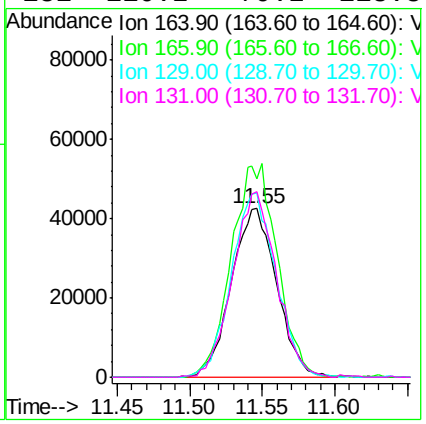


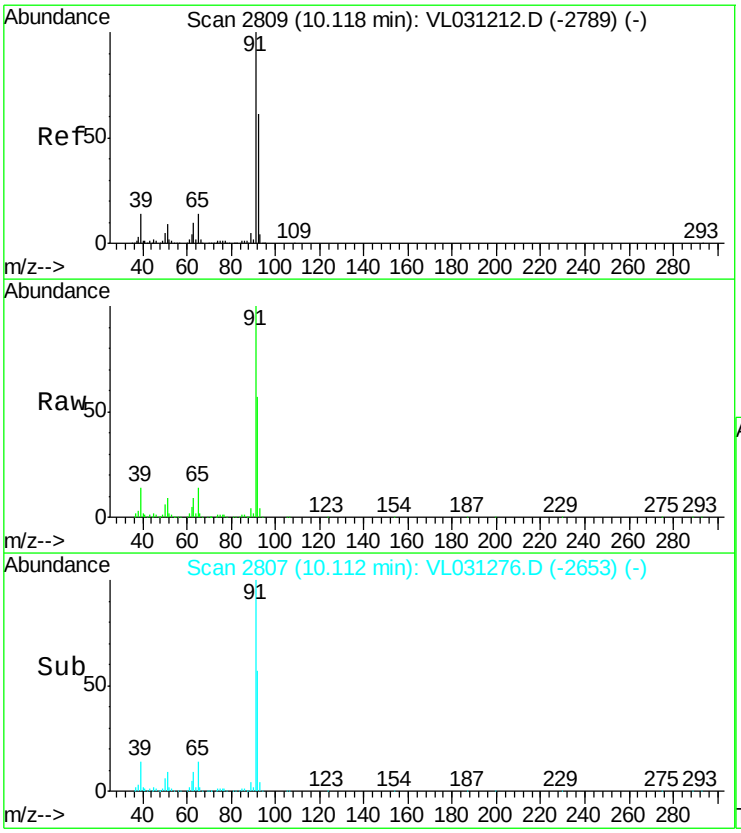
#52
Tetrachloroethene
Concen: 0.63 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. -0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion:164 Resp: 92367

Ion	Ratio	Lower	Upper
164	100		
166	117.3	100.6	151.0
129	108.9	82.9	124.3
131	110.2	79.2	118.8

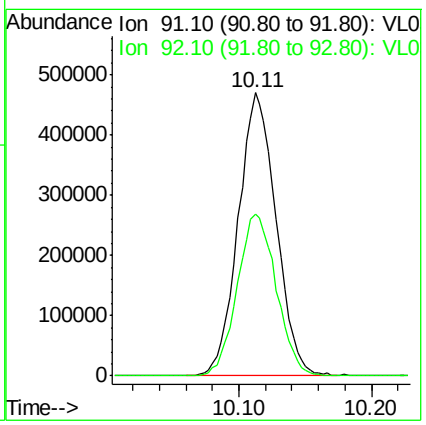


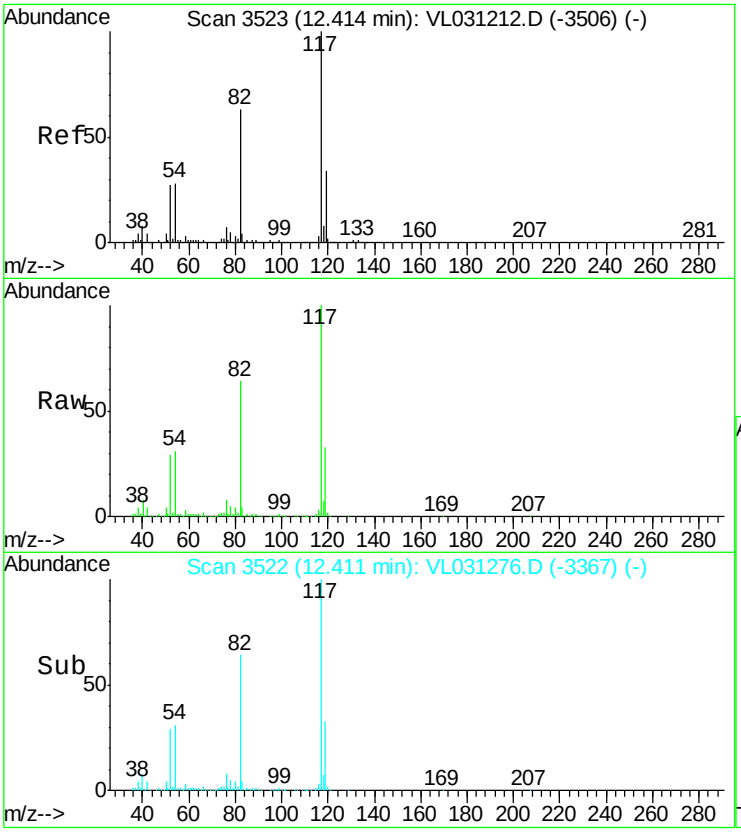


#53
Toluene
Concen: 2.16 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 91 Resp: 931535

Ion	Ratio	Lower	Upper
91	100		
92	59.2	49.1	73.7



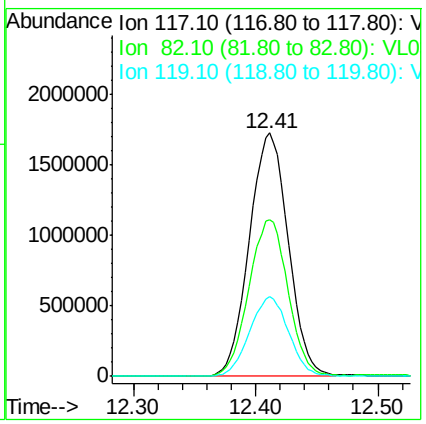


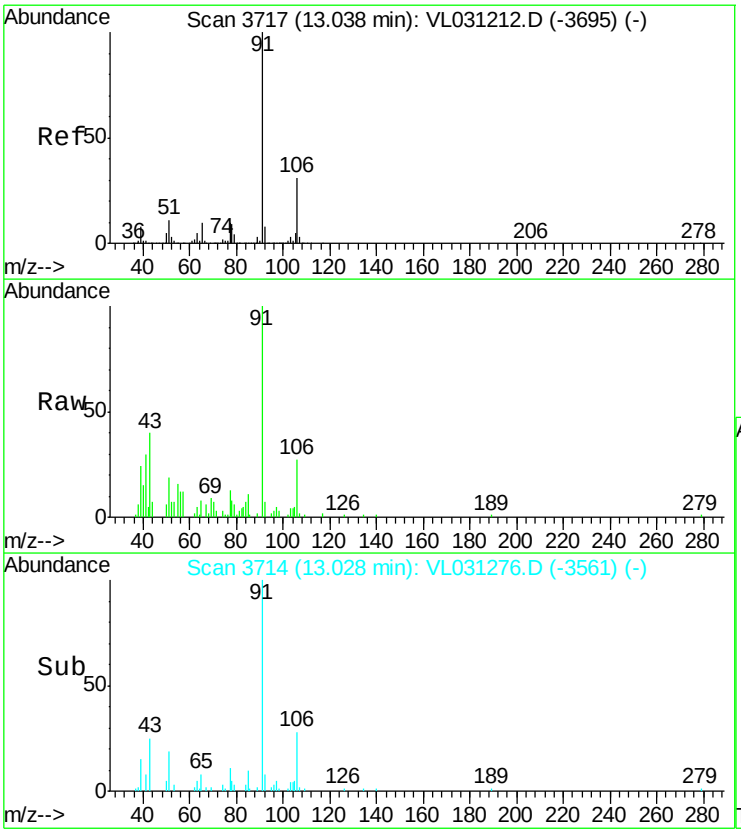
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion:117 Resp: 3823713

Ion	Ratio	Lower	Upper
117	100		
82	64.9	48.1	72.1
119	32.8	23.1	34.7

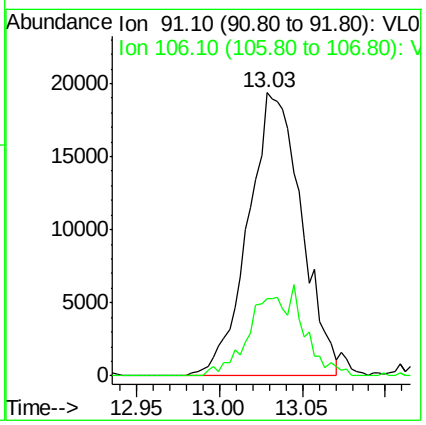


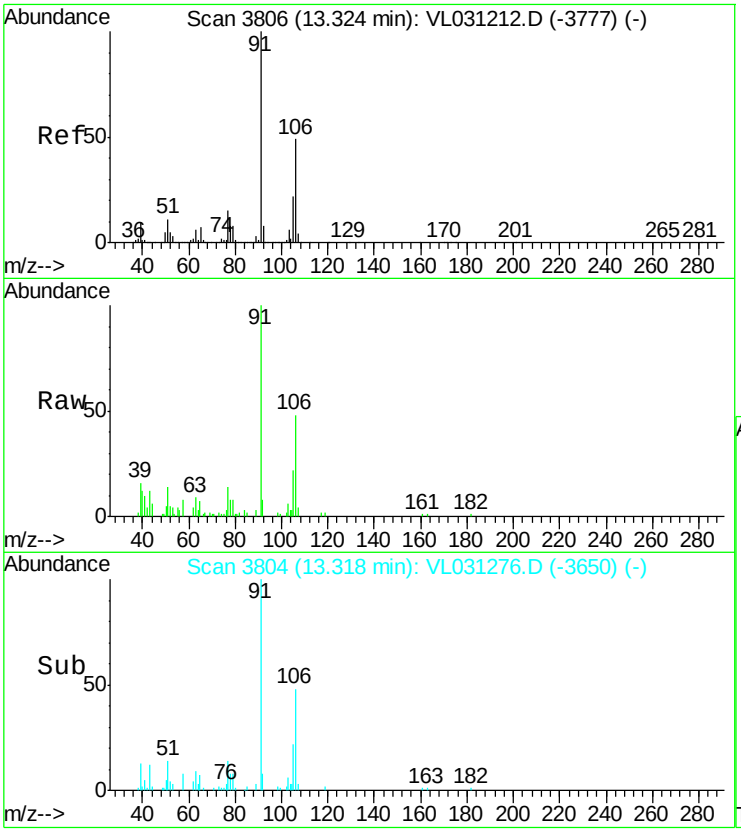


#58
Ethyl Benzene
Concen: 0.07 ppbv
RT: 13.03 min Scan# 3714
Delta R.T. -0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 91 Resp: 43260

Ion	Ratio	Lower	Upper
91	100		
106	27.3	25.1	37.7



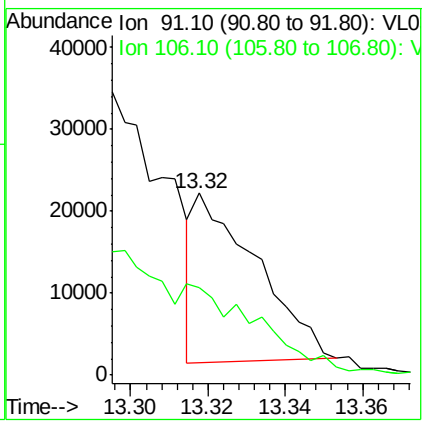


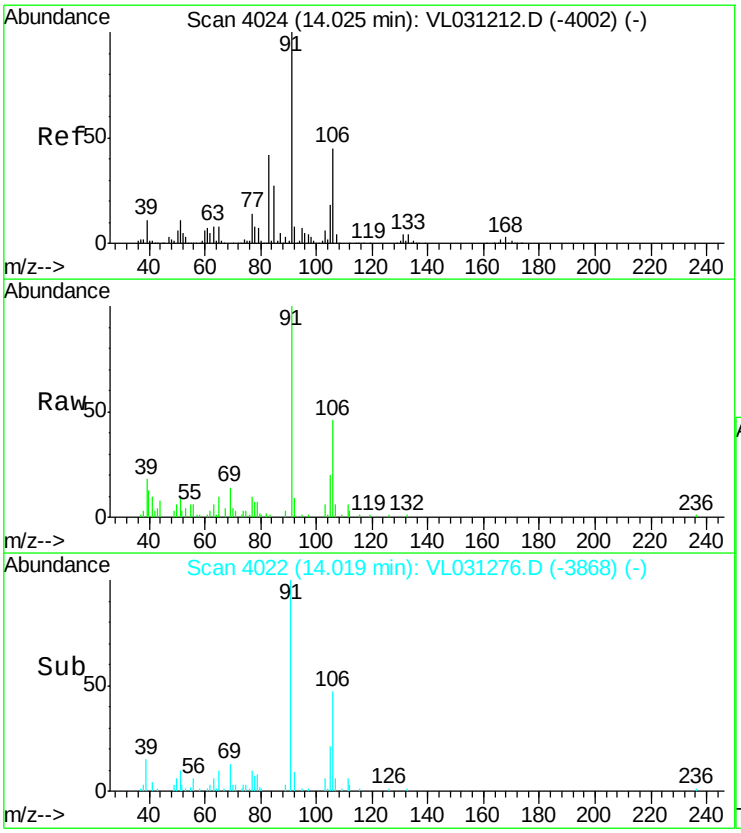
#59
m/p-Xylene
Concen: 0.05 ppbv
RT: 13.32 min Scan# 3804
Delta R.T. -0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument : MSVOA_L
ClientSampleId : EP1-SV-1DL

Tgt Ion: 91 Resp: 22853

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.5	57.7#

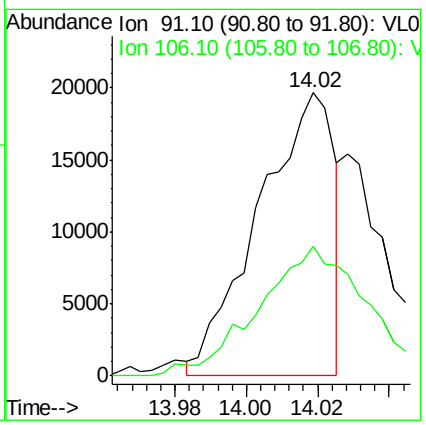


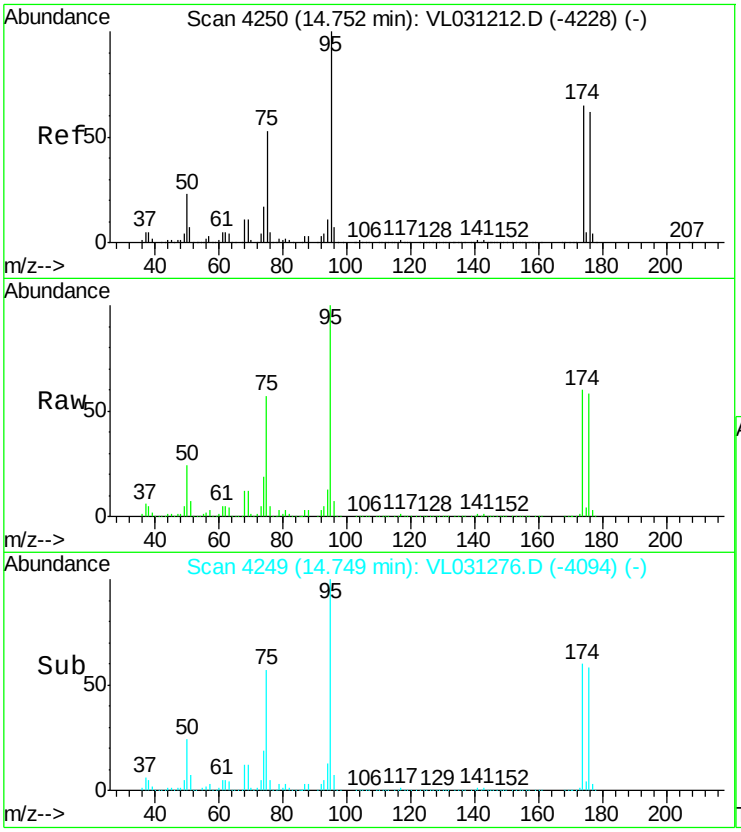


#60
o-Xylene
Concen: 0.06 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion: 91 Resp: 28845

Ion	Ratio	Lower	Upper
91	100		
106	65.8	22.7	68.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.93 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. -0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tgt Ion: 95 Resp: 2972357

Ion	Ratio	Lower	Upper
95	100		
174	60.6	52.5	78.7
175	4.4	4.1	6.1