Quantitation Report (Not Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031288.D
Acq On : 21 Dec 2017 3:15
Operator : SY/AP
Sample : I7005-08DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Quant Time: Dec 21 08:43:47 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

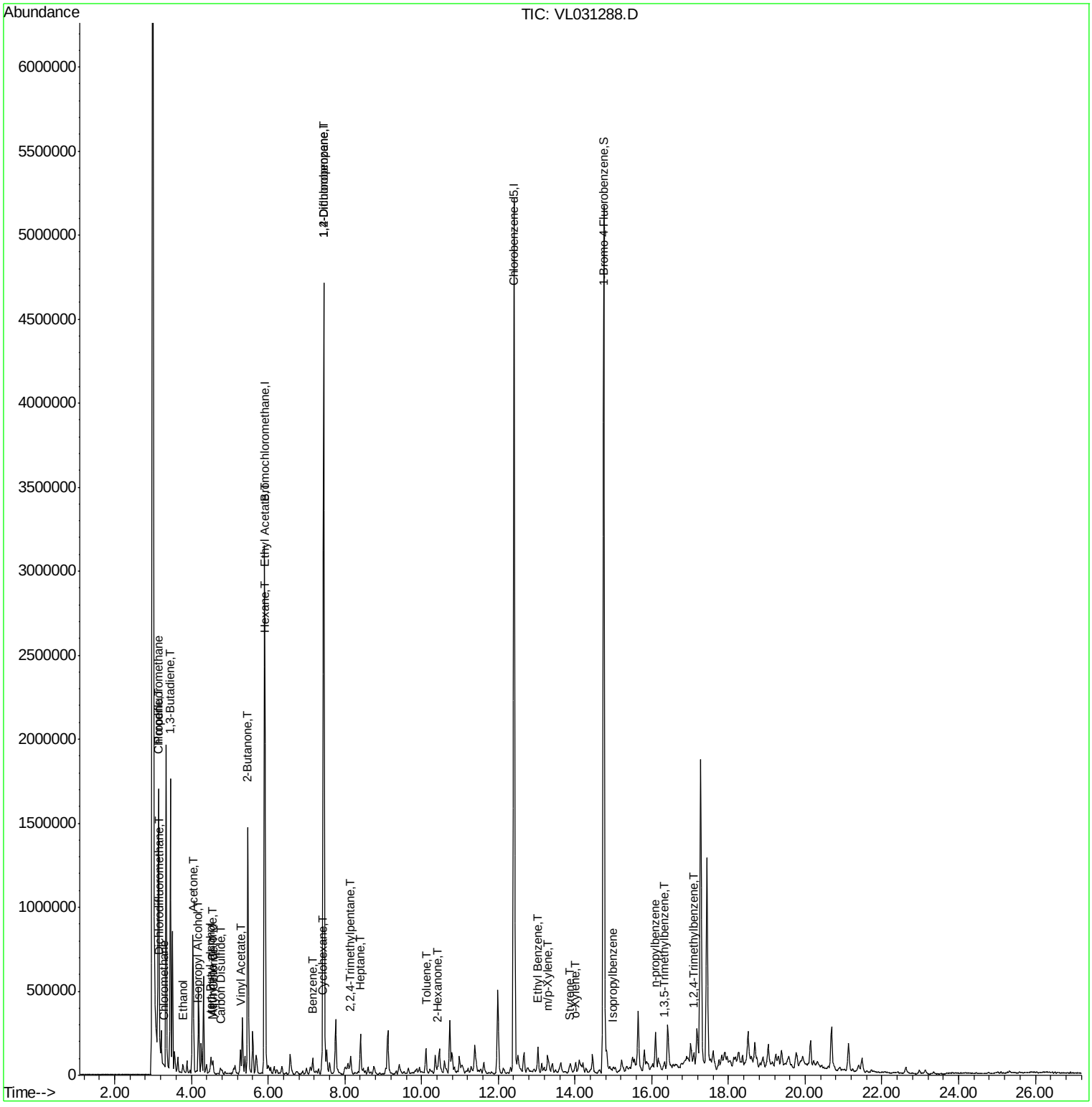
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.91	49	1434554	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.45	114	3635758	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.41	117	3470312	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.75	95	2652845	10.75	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.18	85	23369	0.19	ppbv		96
3) Chlorodifluoromethane	3.16	51	186673	1.14	ppbv	#	61
4) Chloromethane	3.27	50	3736	0.04	ppbv		93
9) Propene	3.14	41	682055	8.52	ppbv		93
10) Heptane	8.41	43	101310	0.42	ppbv		96
13) Ethanol	3.77	45	48672	2.11	ppbv		93
15) Acetone	4.03	43	817018	4.32	ppbv	#	85
16) 1,3-Butadiene	3.45	39	485149	5.96	ppbv	#	15
17) tert-Butyl alcohol	4.51	59	56112	0.53	ppbv	#	94
19) Isopropyl Alcohol	4.16	45	11037	0.09	ppbv	#	41
20) Methylene Chloride	4.54	84	12416	0.20	ppbv		88
21) Allyl Chloride	4.56	41	10485	0.09	ppbv	#	26
23) Vinyl Acetate	5.28	43	37758	0.12	ppbv	#	1
25) Ethyl Acetate	5.93	43	123466	0.32	ppbv	#	80
26) Hexane	5.93	57	176586	0.96	ppbv	#	41
27) Carbon Disulfide	4.76	76	31407	0.17	ppbv	#	62
30) Cyclohexane	7.40	84	38449	0.24	ppbv	#	18
34) 2-Butanone	5.47	43	1780891	6.94	ppbv		99
36) Benzene	7.16	78	66638	0.17	ppbv		96
39) 1,2-Dichloropropane	7.45	63	871077	6.39	ppbv	#	26
44) 2,2,4-Trimethylpentane	8.16	57	48610	0.08	ppbv	#	19
51) 2-Hexanone	10.41	43	9851	0.03	ppbv	#	28
53) Toluene	10.11	91	104300	0.25	ppbv		98
58) Ethyl Benzene	13.03	91	74441	0.13	ppbv		90
59) m/p-Xylene	13.30	91	89717	0.20	ppbv		96
60) o-Xylene	14.02	91	35473	0.08	ppbv		85
61) Styrene	13.85	104	5766	0.04	ppbv	#	44
62) Isopropylbenzene	15.00	105	24604	0.04	ppbv		96
64) n-propylbenzene	16.10	120	5563	0.03	ppbv		65
73) 1,3,5-Trimethylbenzene	16.32	105	14622	0.03	ppbv		97
74) 1,2,4-Trimethylbenzene	17.09	105	17535	0.04	ppbv	#	75

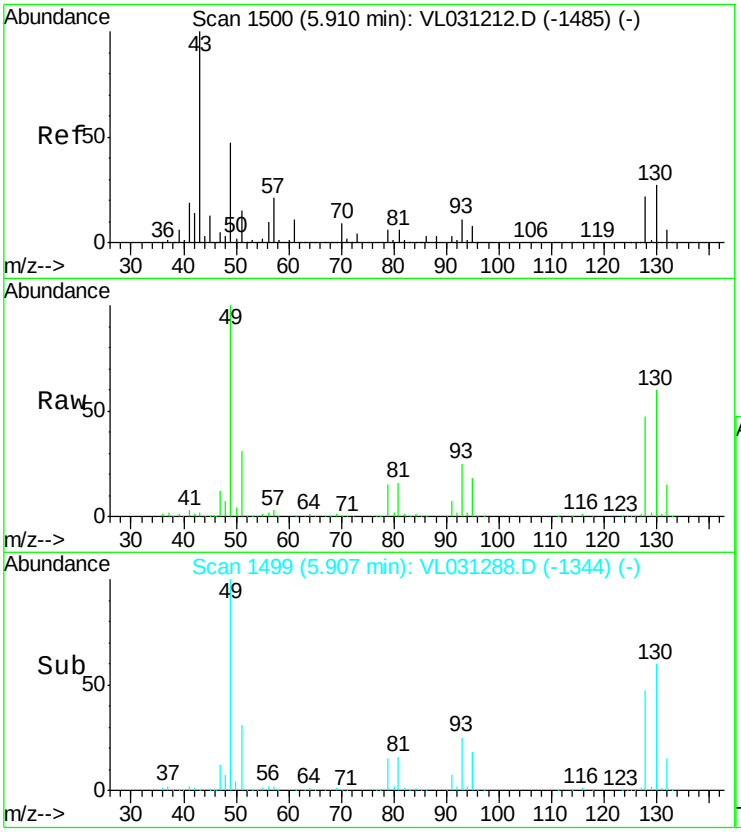
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
Data File : VL031288.D
Acq On : 21 Dec 2017 3:15
Operator : SY/AP
Sample : I7005-08DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Quant Time: Dec 21 08:43:47 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



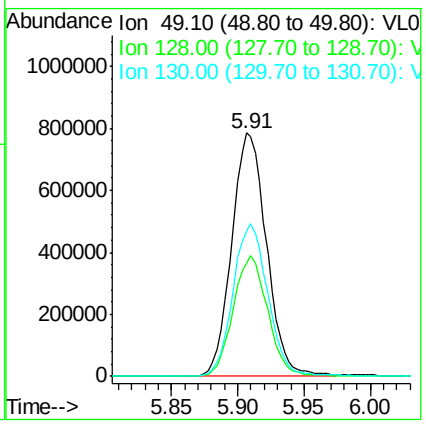


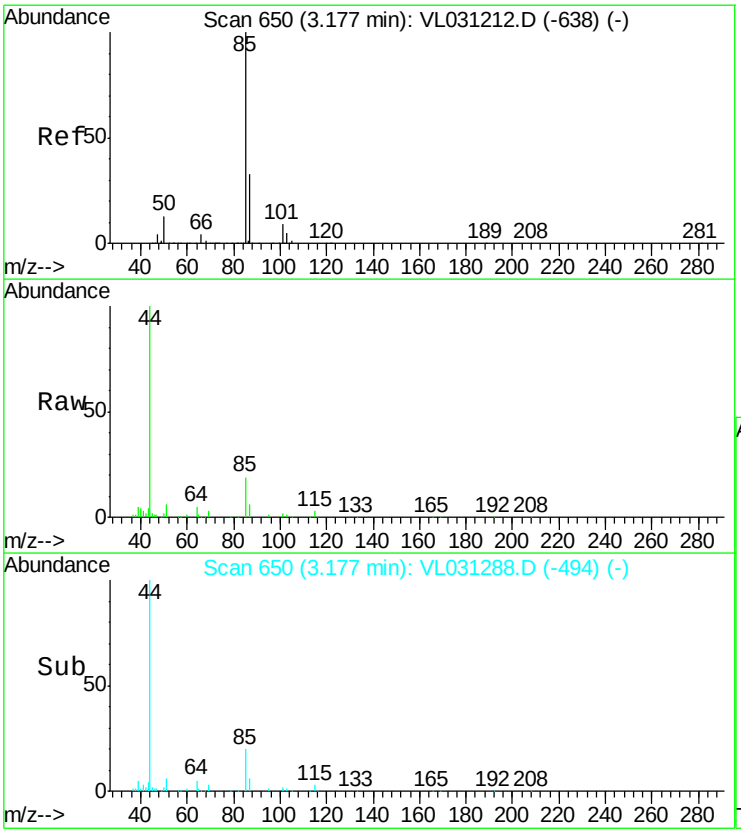
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion: 49 Resp: 1434554

Ion	Ratio	Lower	Upper
49	100		
128	49.6	23.2	69.5
130	63.3	29.6	88.8

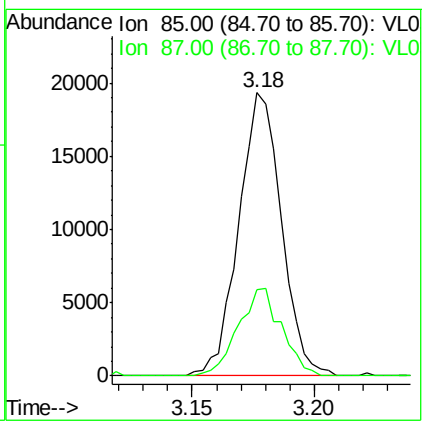


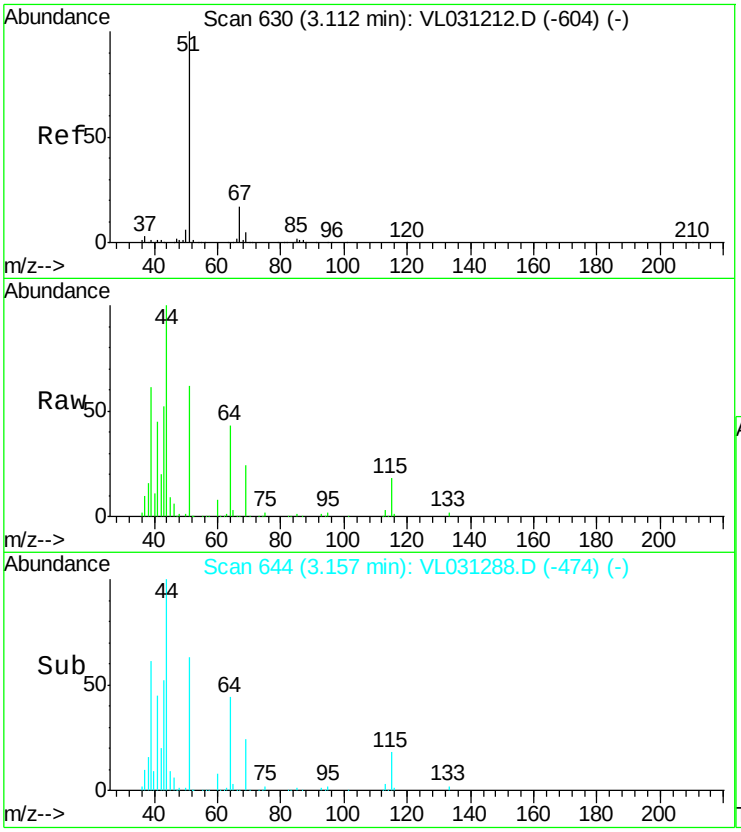


#2
Dichlorodifluoromethane
Concen: 0.19 ppbv
RT: 3.18 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 85 Resp: 23369

Ion	Ratio	Lower	Upper
85	100		
87	30.5	26.2	39.2



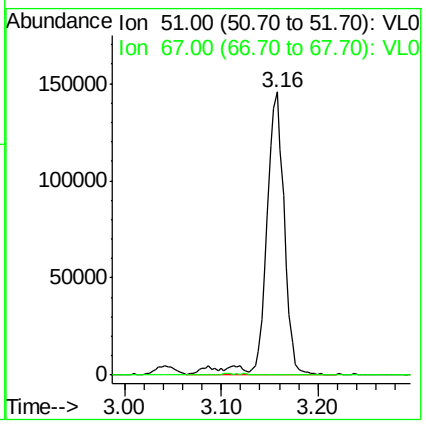


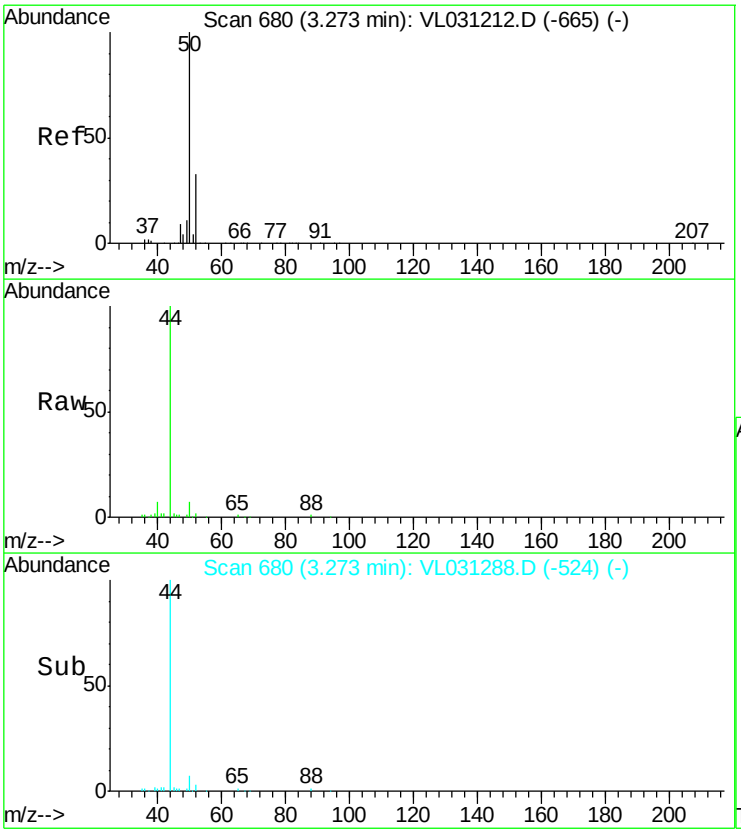
#3
Chlorodifluoromethane
Concen: 1.14 ppbv
RT: 3.16 min Scan# 644
Delta R.T. 0.05 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 51 Resp: 186673

Ion	Ratio	Lower	Upper
51	100		
67	0.2	13.8	20.6#

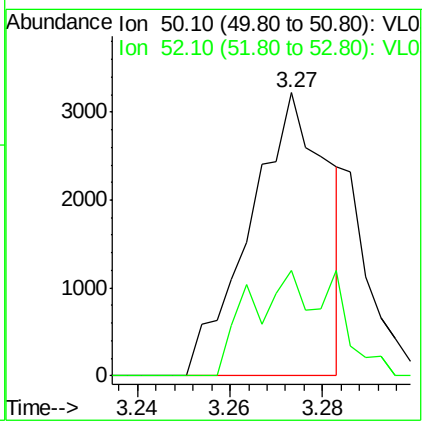


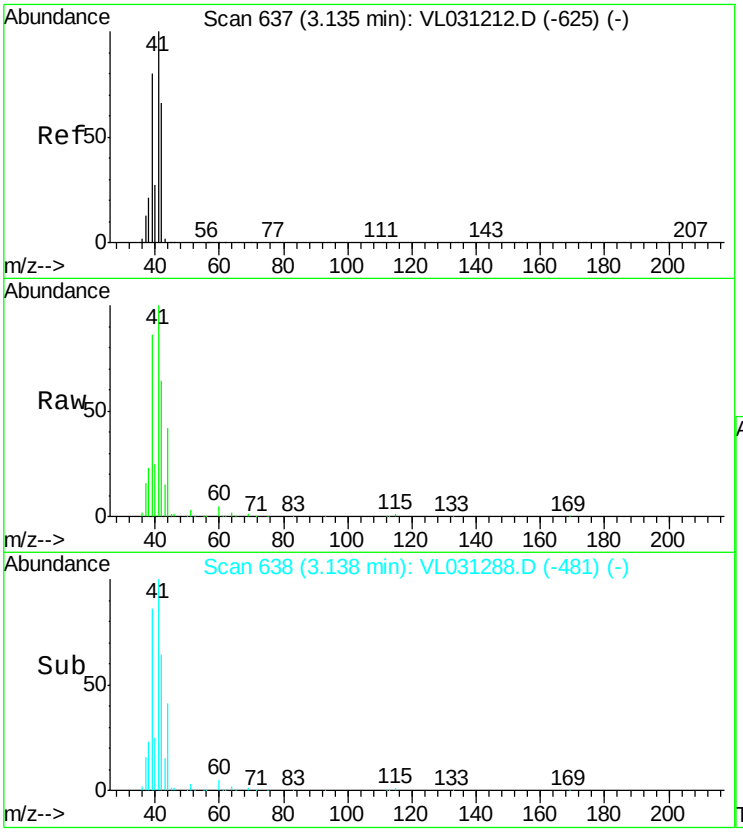


#4
Chloromethane
Concen: 0.04 ppbv
RT: 3.27 min Scan# 680
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 50 Resp: 3736

Ion	Ratio	Lower	Upper
50	100		
52	37.1	26.5	39.7



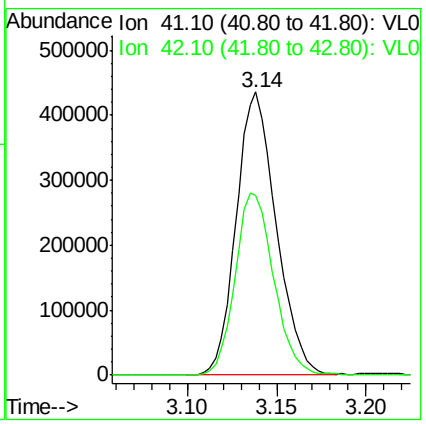


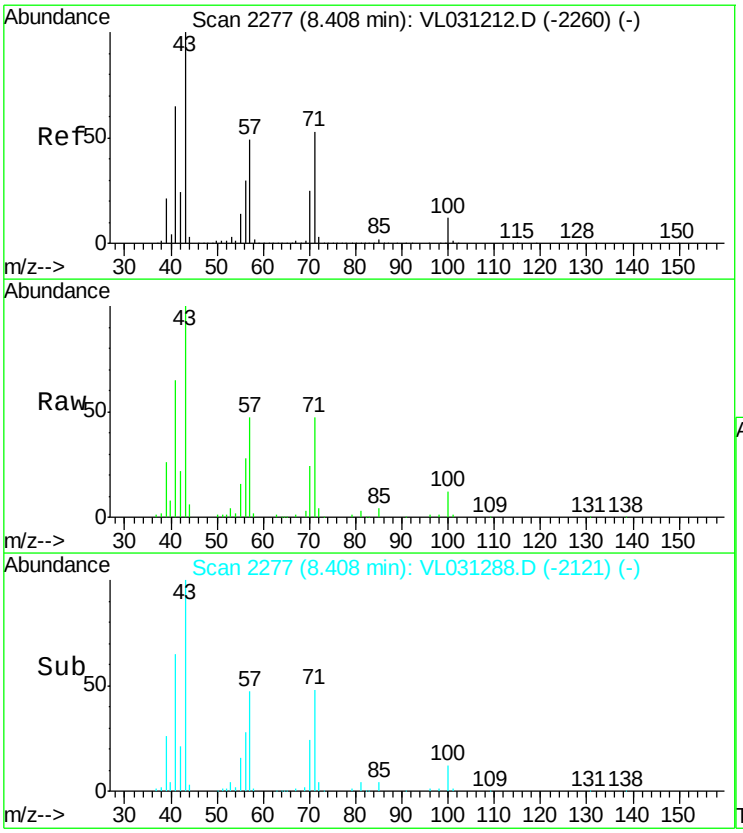
#9
Propene
Concen: 8.52 ppbv
RT: 3.14 min Scan# 638
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 41 Resp: 682055

Ion	Ratio	Lower	Upper
41	100		
42	62.1	54.3	81.5

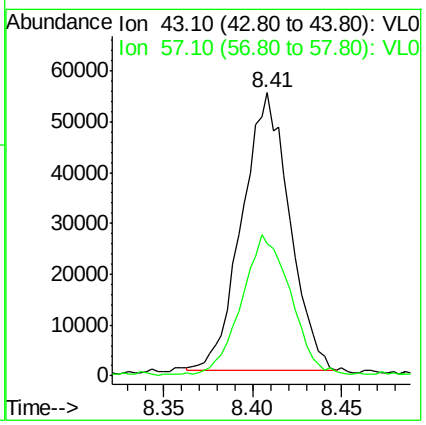


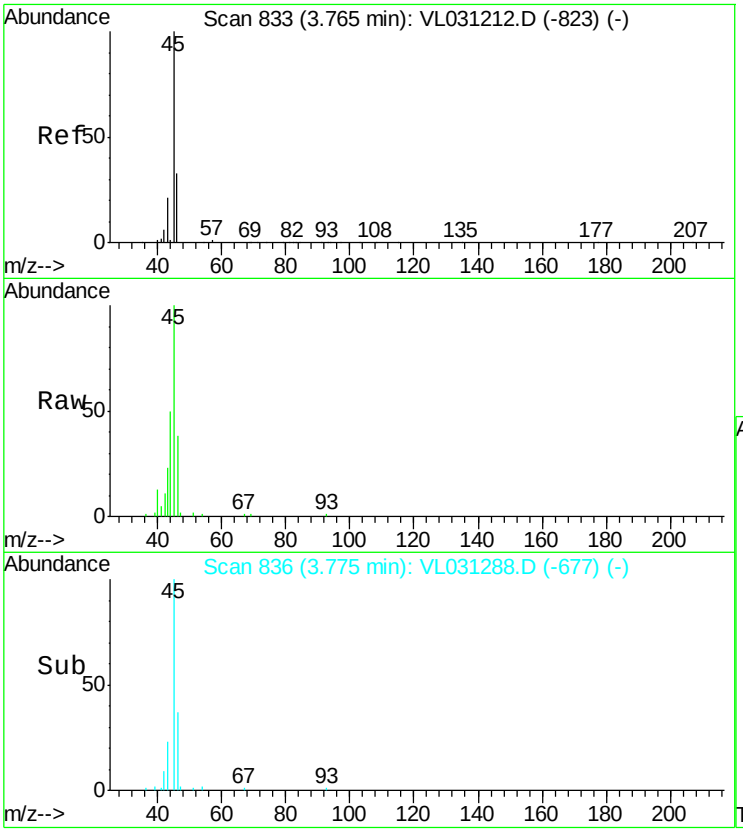


#10
Heptane
Concen: 0.42 ppbv
RT: 8.41 min Scan# 2277
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 43 Resp: 101310

Ion	Ratio	Lower	Upper
43	100		
57	52.6	39.8	59.8



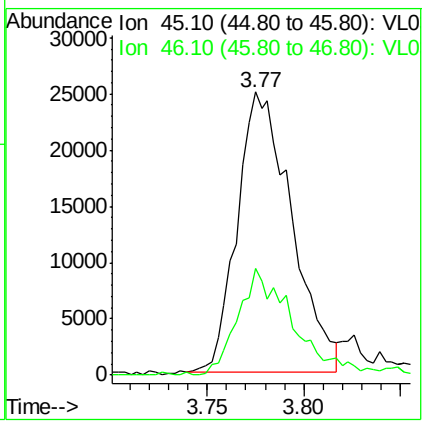


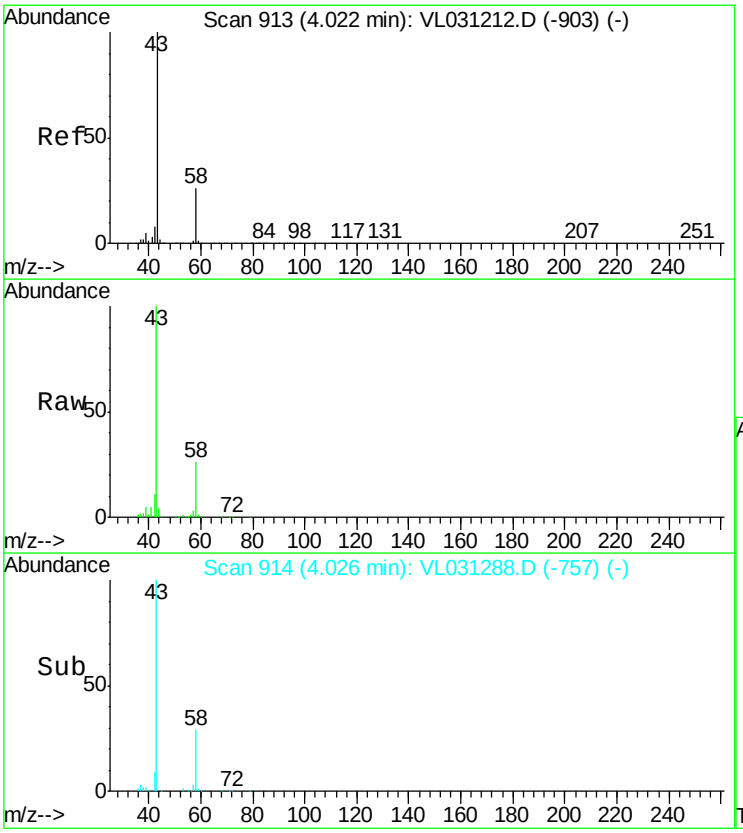
#13
Ethanol
Concen: 2.11 ppbv
RT: 3.77 min Scan# 836
Delta R.T. 0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 45 Resp: 48672

Ion	Ratio	Lower	Upper
45	100		
46	40.8	14.6	58.4

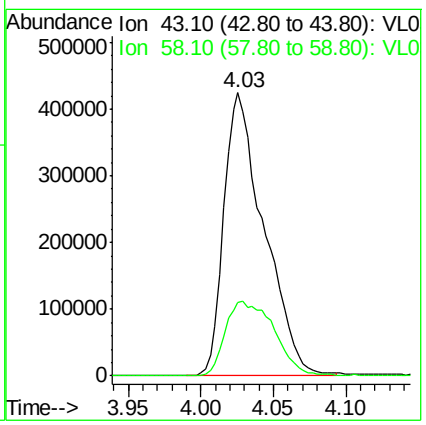


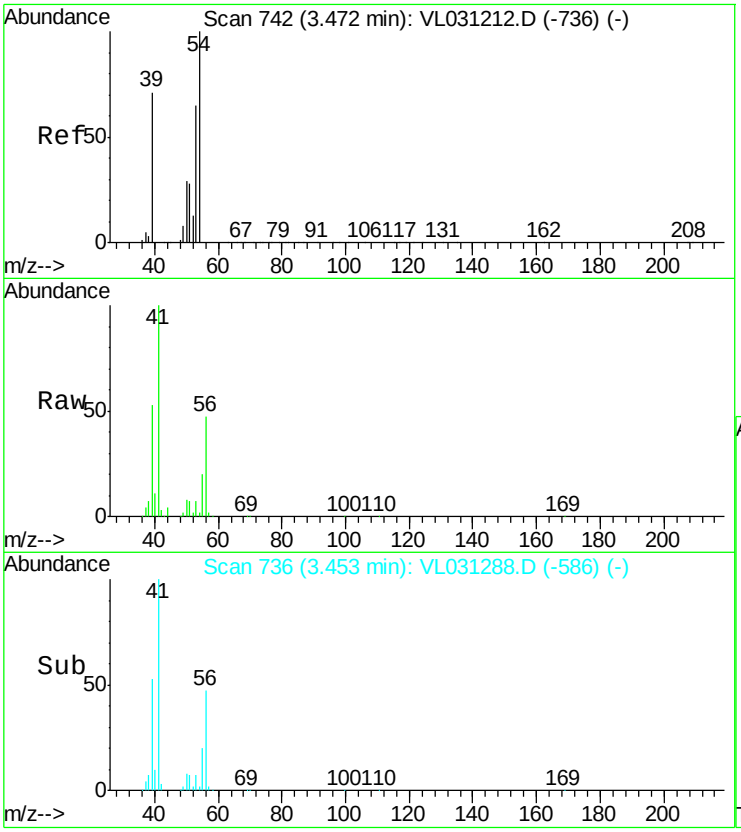


#15
Acetone
Concen: 4.32 ppbv
RT: 4.03 min Scan# 914
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 43 Resp: 817018

Ion	Ratio	Lower	Upper
43	100		
58	32.8	20.3	30.5#



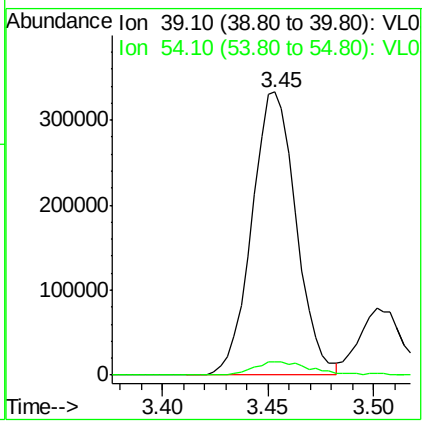


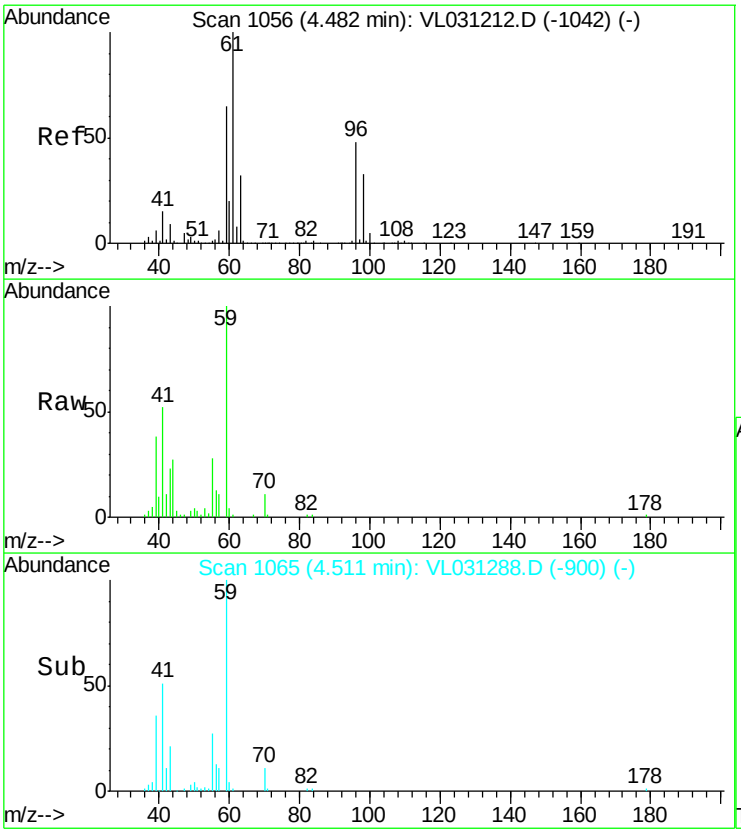
#16
1,3-Butadiene
Concen: 5.96 ppbv
RT: 3.45 min Scan# 736
Delta R.T. -0.02 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 39 Resp: 485149

Ion	Ratio	Lower	Upper
39	100		
54	6.6	66.4	99.6#

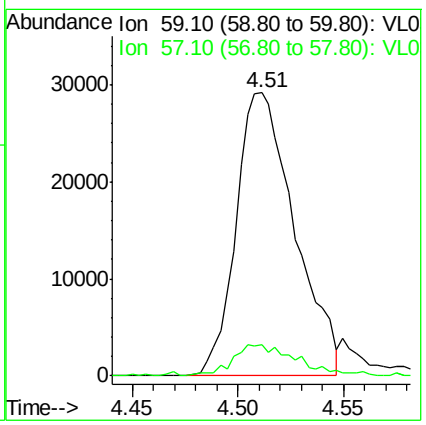


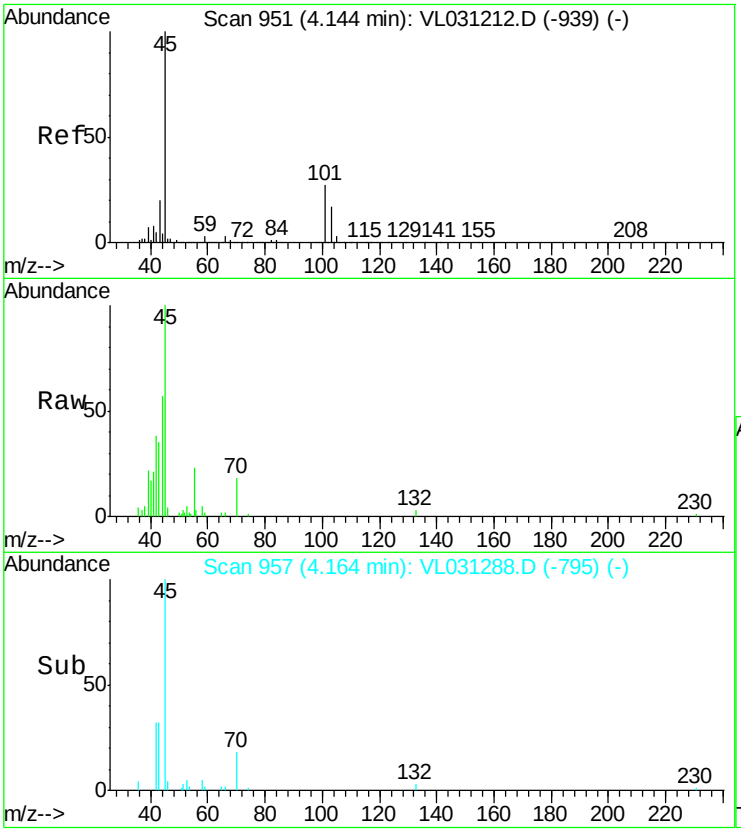


#17
tert-Butyl alcohol
Concen: 0.53 ppbv
RT: 4.51 min Scan# 1065
Delta R.T. 0.03 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 59 Resp: 56112

Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.2	12.2#



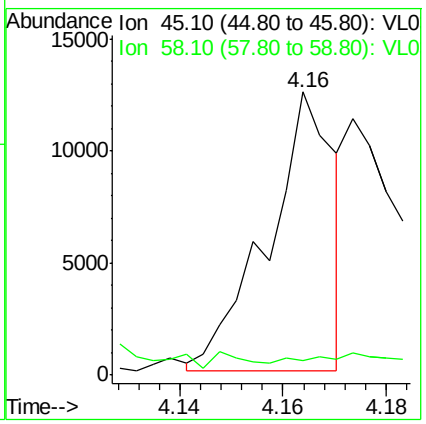


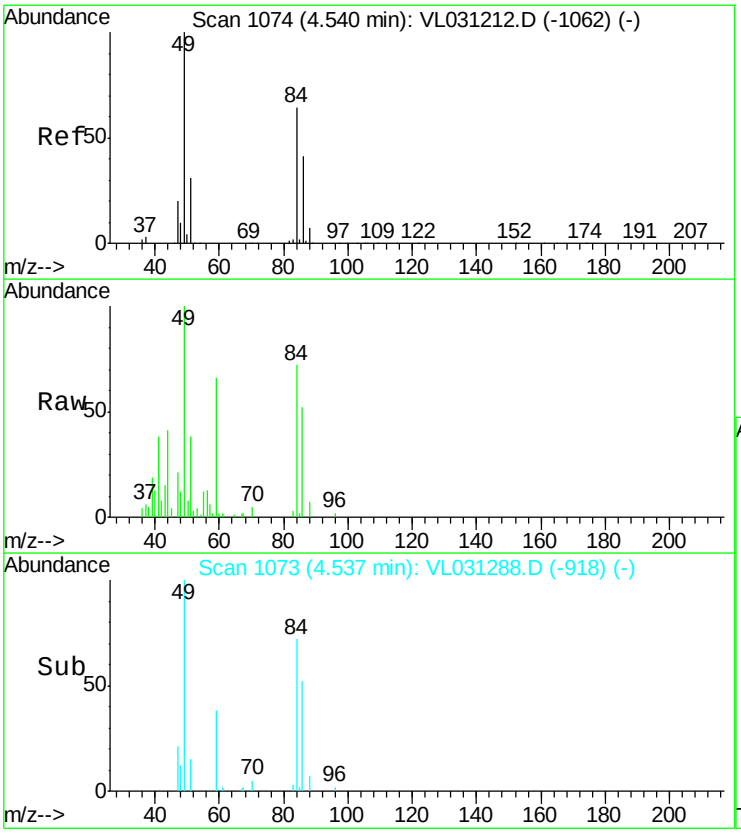
#19
Isopropyl Alcohol
Concen: 0.09 ppbv
RT: 4.16 min Scan# 957
Delta R.T. 0.02 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion: 45 Resp: 11037

Ion	Ratio	Lower	Upper
45	100		
58	0.0	27.2	40.8#

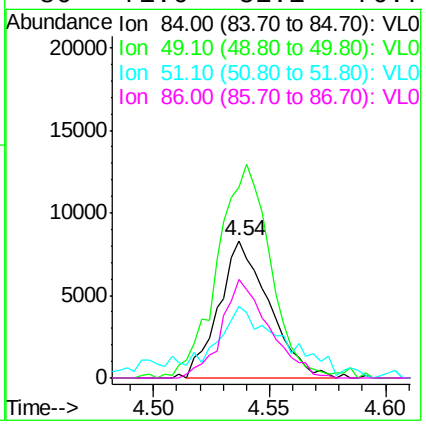


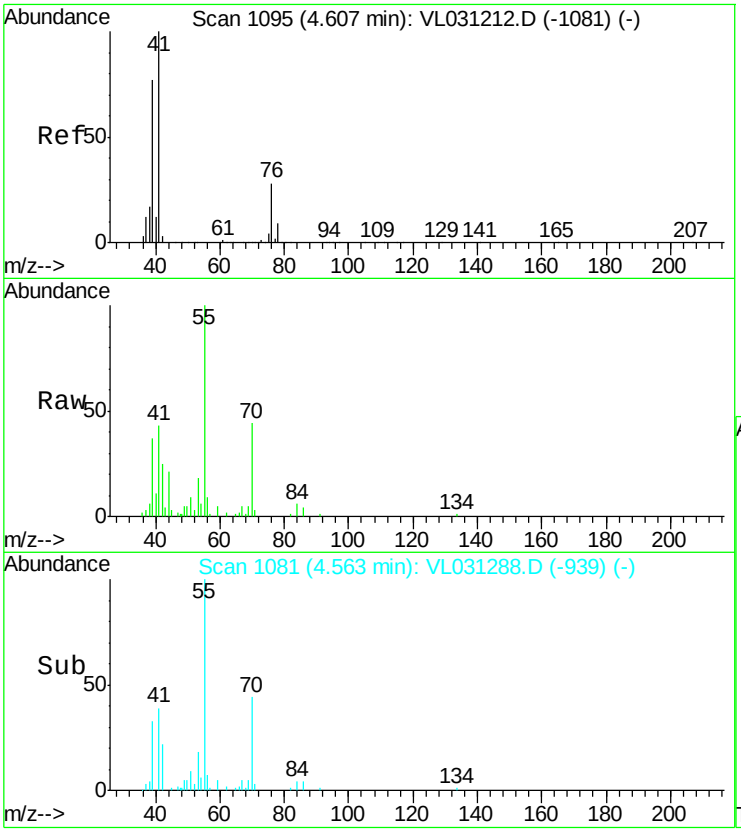


#20
Methylene Chloride
Concen: 0.20 ppbv
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 84 Resp: 12416

Ion	Ratio	Lower	Upper
84	100		
49	135.2	125.8	188.6
51	50.1	39.3	58.9
86	71.6	51.1	76.7



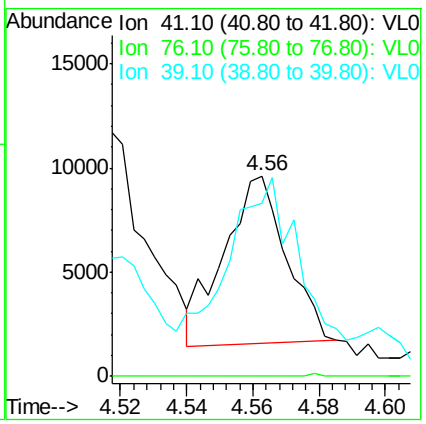


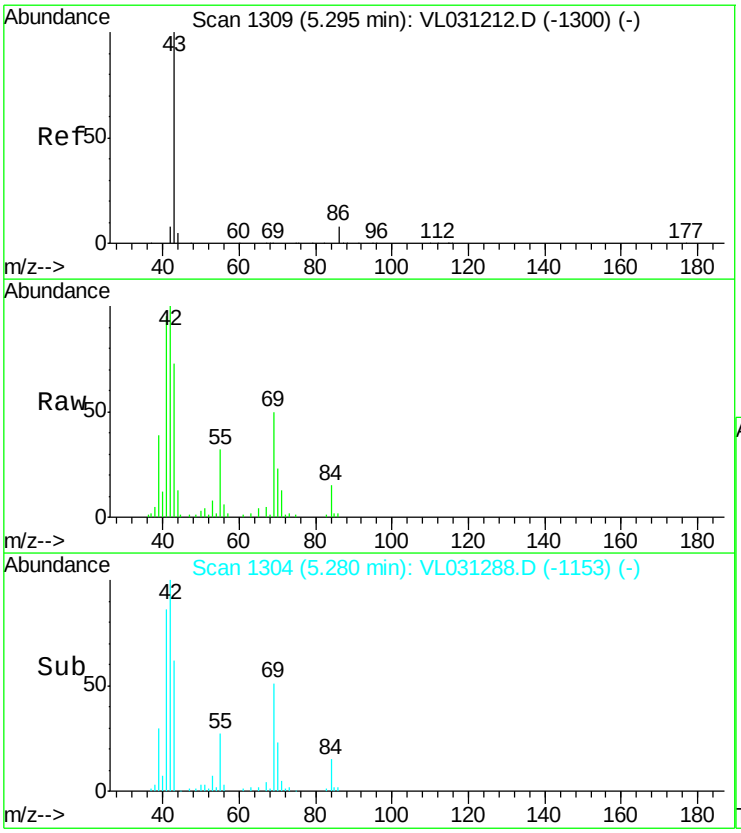
#21
Allyl Chloride
Concen: 0.09 ppbv
RT: 4.56 min Scan# 1081
Delta R.T. -0.04 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 41 Resp: 10485

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	149.1	62.6	93.8#

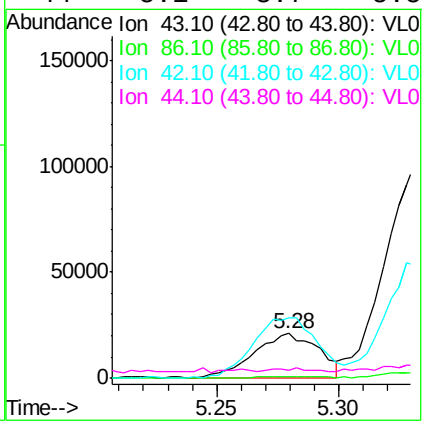


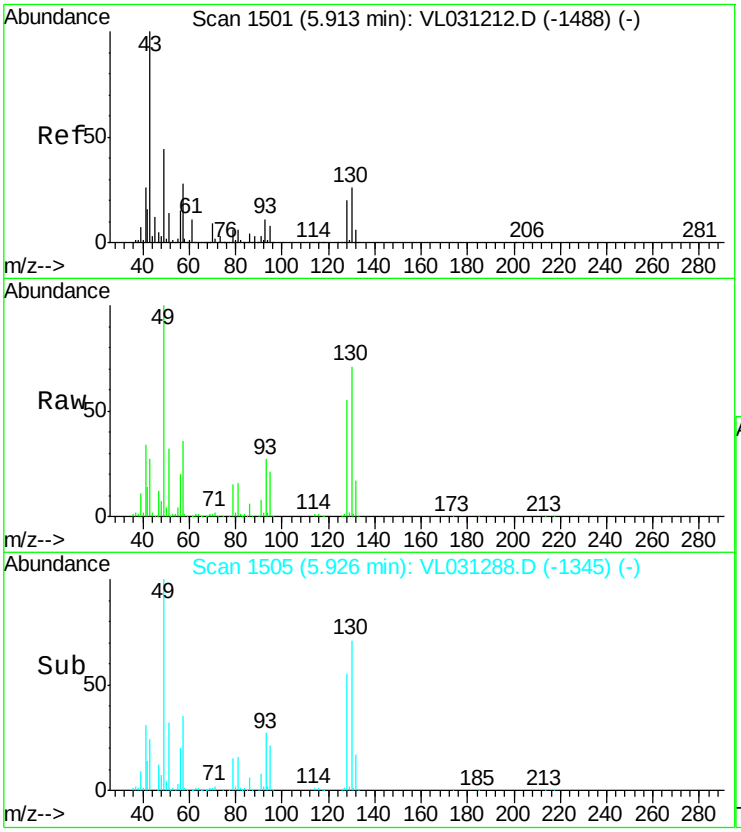


#23
Vinyl Acetate
Concen: 0.12 ppbv
RT: 5.28 min Scan# 1304
Delta R.T. -0.02 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 43 Resp: 37758

Ion	Ratio	Lower	Upper
43	100		
86	2.9	5.9	8.9#
42	136.8	7.3	10.9#
44	5.1	3.7	5.5



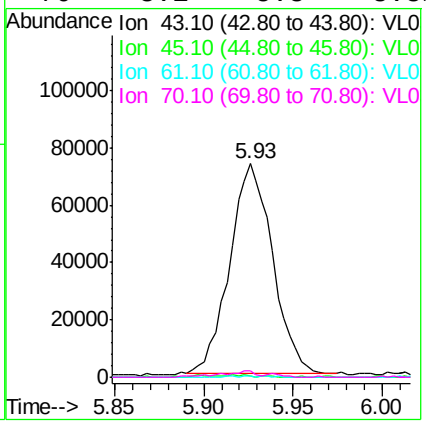


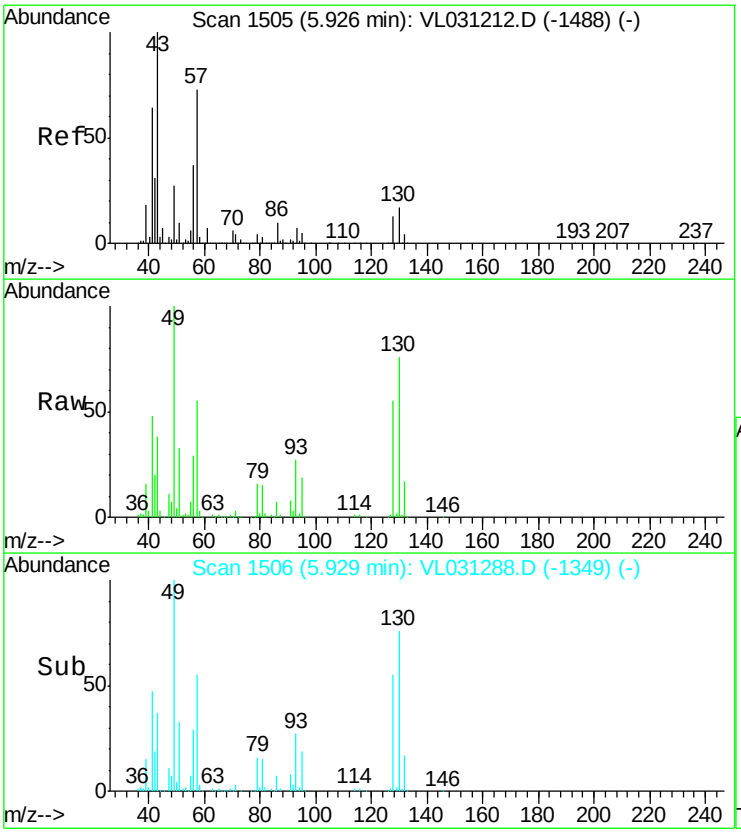
#25
Ethyl Acetate
Concen: 0.32 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 43 Resp: 123466

Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.0	12.0#
61	0.5	7.4	11.0#
70	3.1	5.8	8.8#

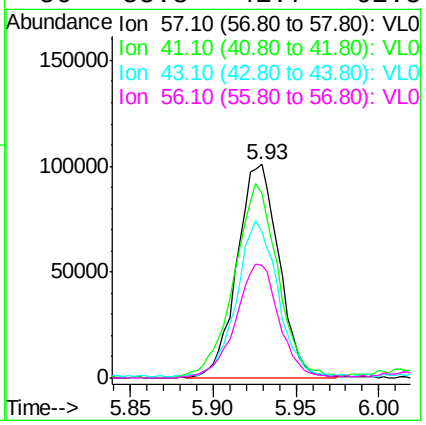


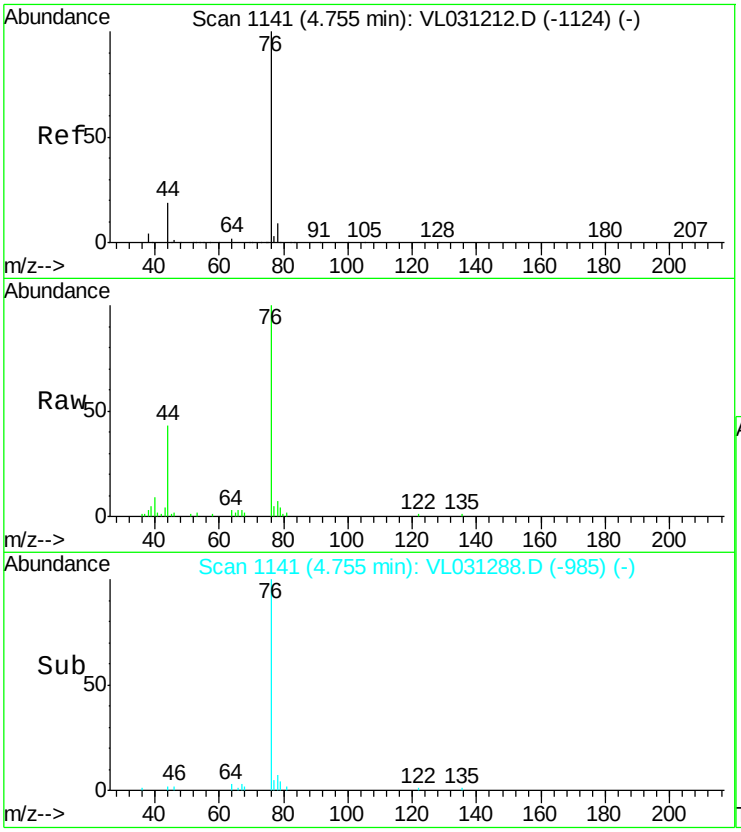


#26
Hexane
Concen: 0.96 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 57 Resp: 176586

Ion	Ratio	Lower	Upper
57	100		
41	96.3	70.3	105.5
43	70.7	173.8	260.8#
56	55.8	41.7	62.5



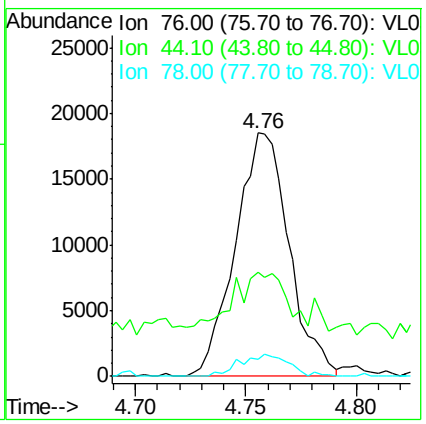


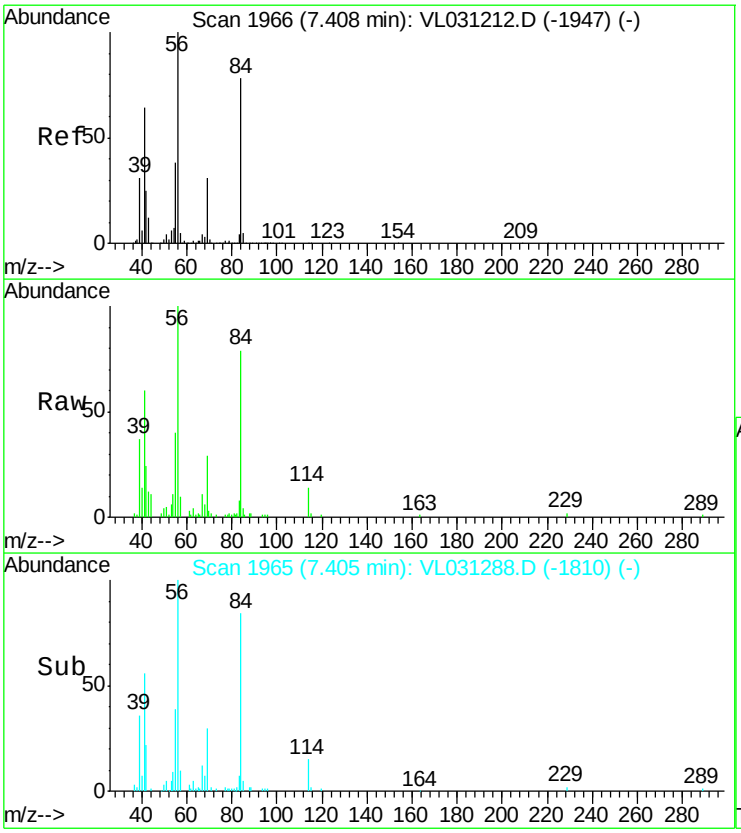
#27
Carbon Disulfide
Concen: 0.17 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 76 Resp: 31407

Ion	Ratio	Lower	Upper
76	100		
44	45.1	16.0	24.0#
78	8.3	7.5	11.3

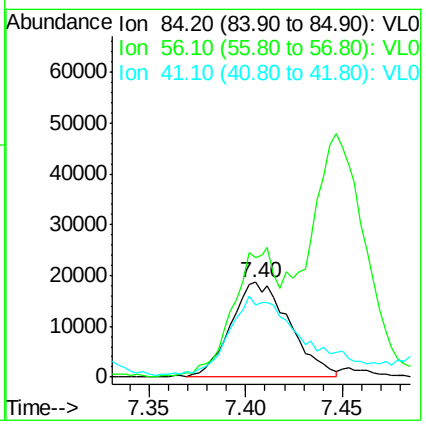


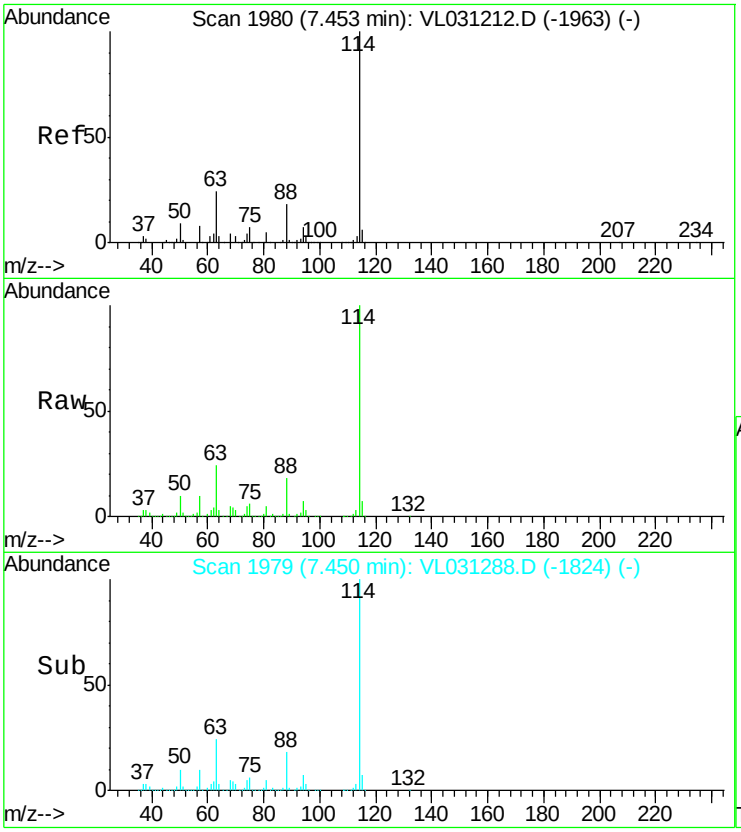


#30
Cyclohexane
Concen: 0.24 ppbv
RT: 7.40 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 84 Resp: 38449

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.0	162.0#
41	110.1	66.2	99.4#



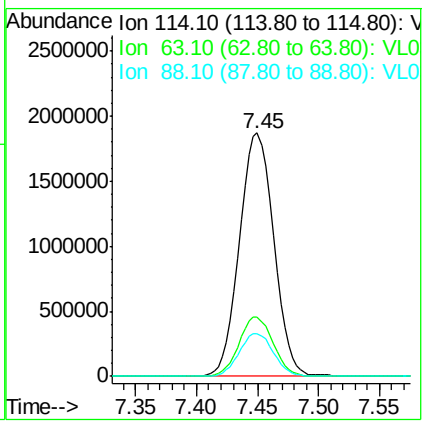


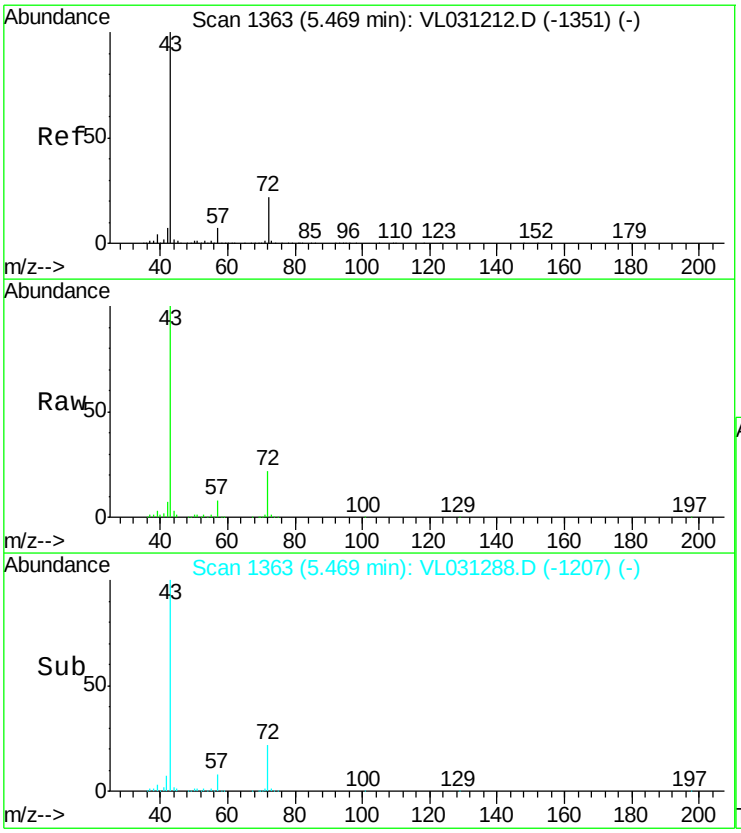
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion:114 Resp: 3635758

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.8	29.8
88	17.5	14.2	21.4

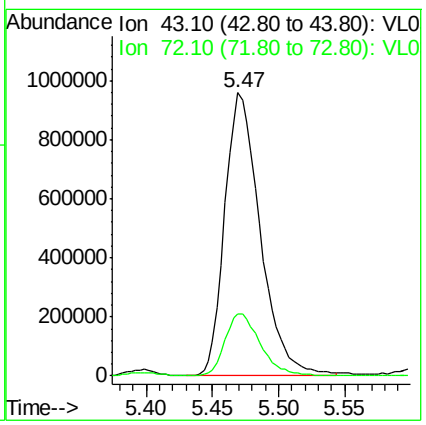


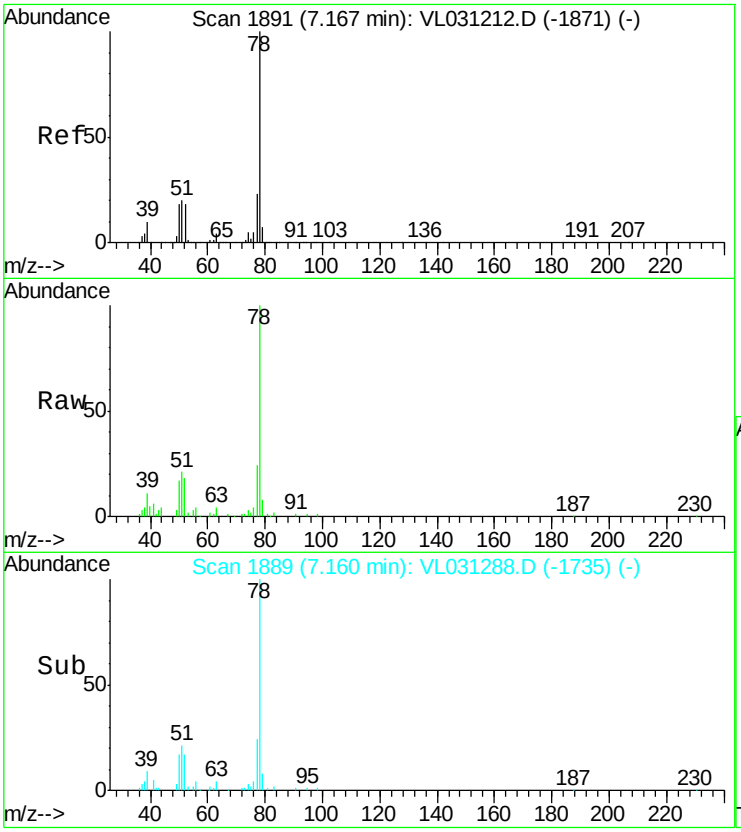


#34
2-Butanone
Concen: 6.94 ppbv
RT: 5.47 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 43 Resp: 1780891

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.1	27.1



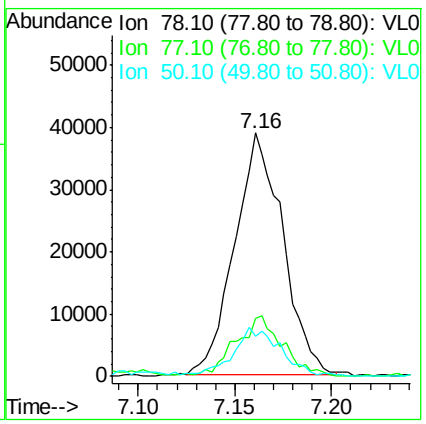


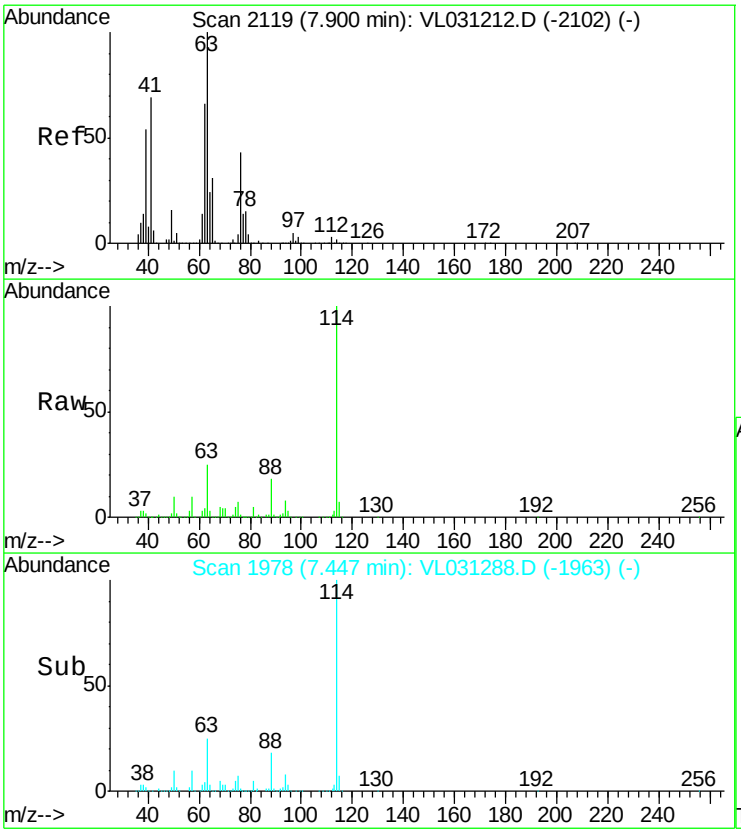
#36
Benzene
Concen: 0.17 ppbv
RT: 7.16 min Scan# 1889
Delta R.T. -0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion: 78 Resp: 66638

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.1	27.1
50	15.9	14.6	21.8

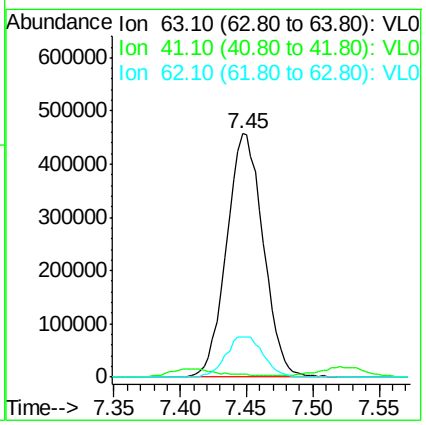


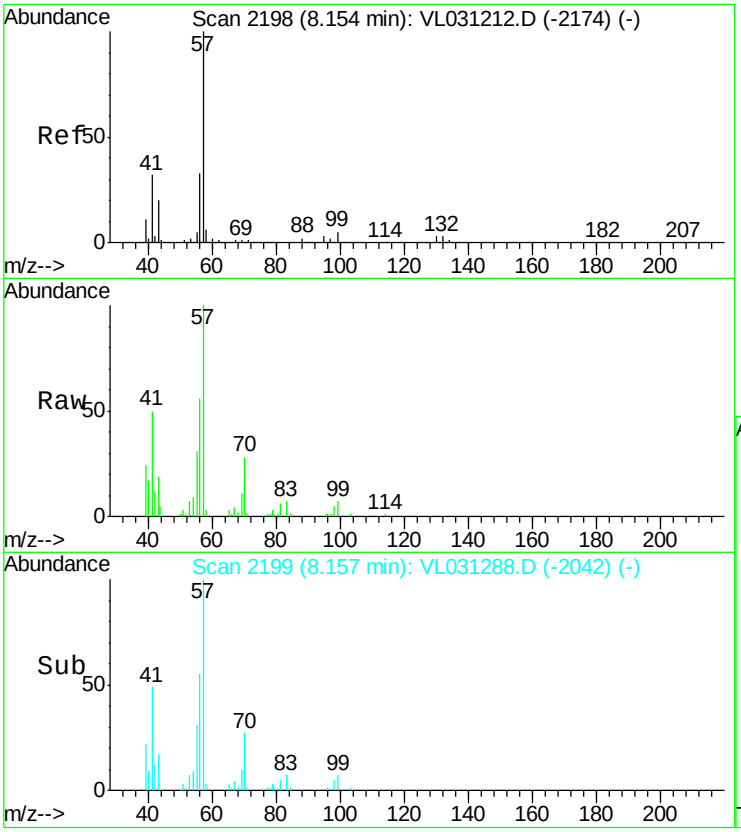


#39
1,2-Dichloropropane
Concen: 6.39 ppbv
RT: 7.45 min Scan# 1978
Delta R.T. -0.45 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 63 Resp: 871077

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.2	82.8#
62	16.6	53.0	79.4#



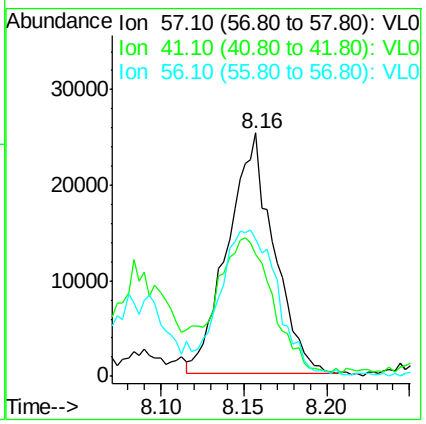


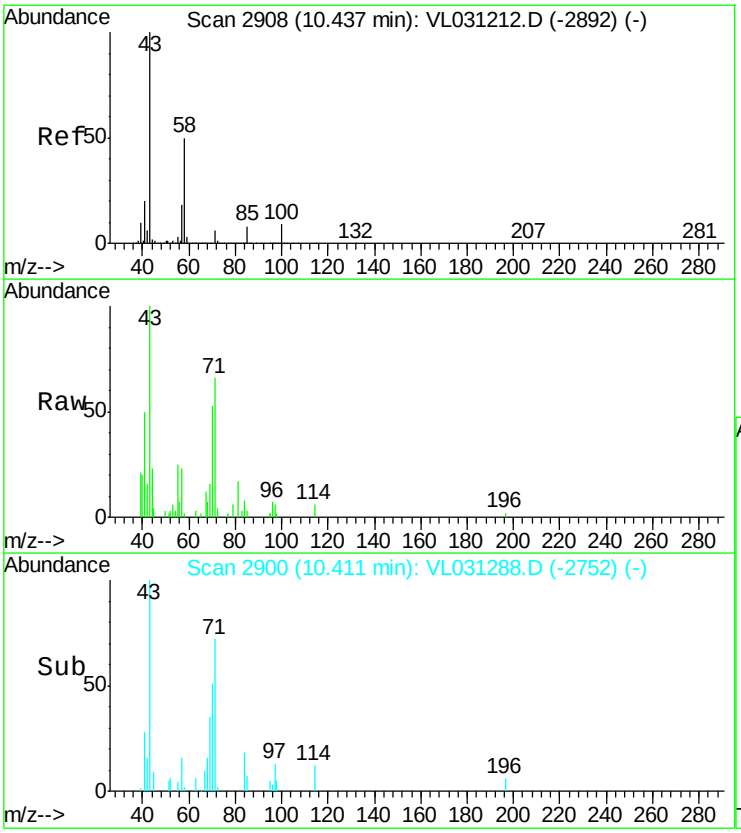
#44
2,2,4-Trimethylpentane
Concen: 0.08 ppbv
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 57 Resp: 48610

Ion	Ratio	Lower	Upper
57	100		
41	72.7	25.5	38.3#
56	80.5	25.0	37.6#

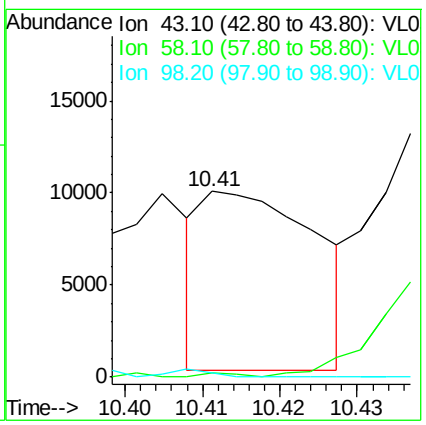


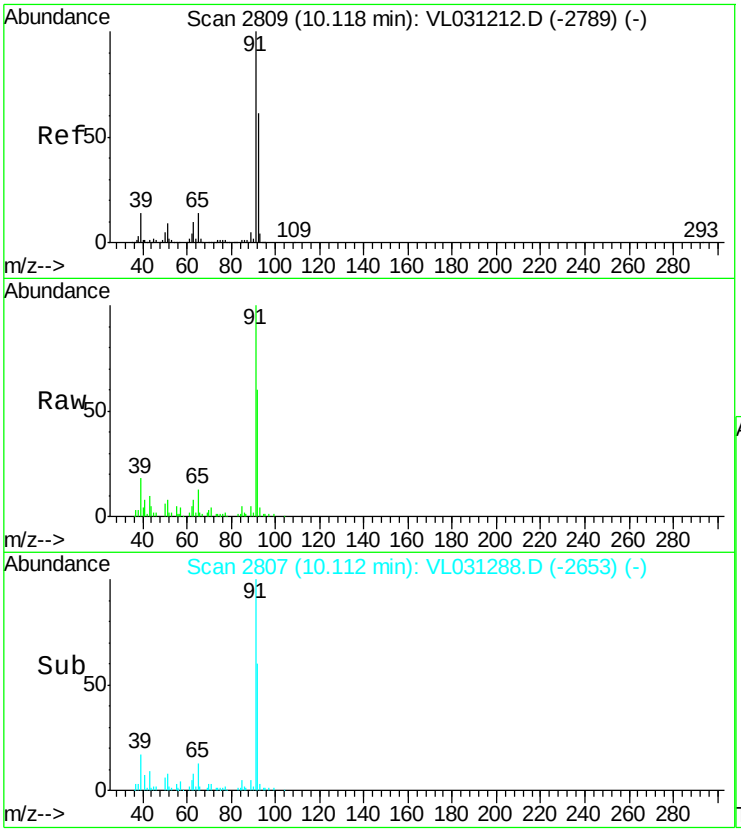


#51
2-Hexanone
Concen: 0.03 ppbv
RT: 10.41 min Scan# 2900
Delta R.T. -0.03 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 43 Resp: 9851

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



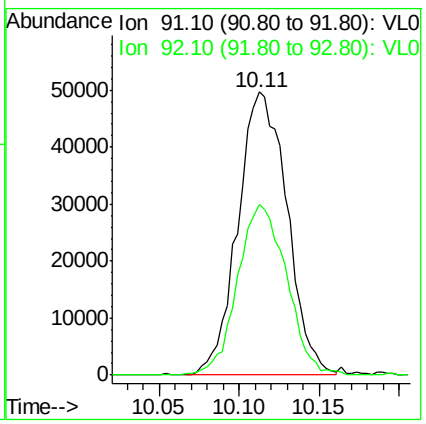


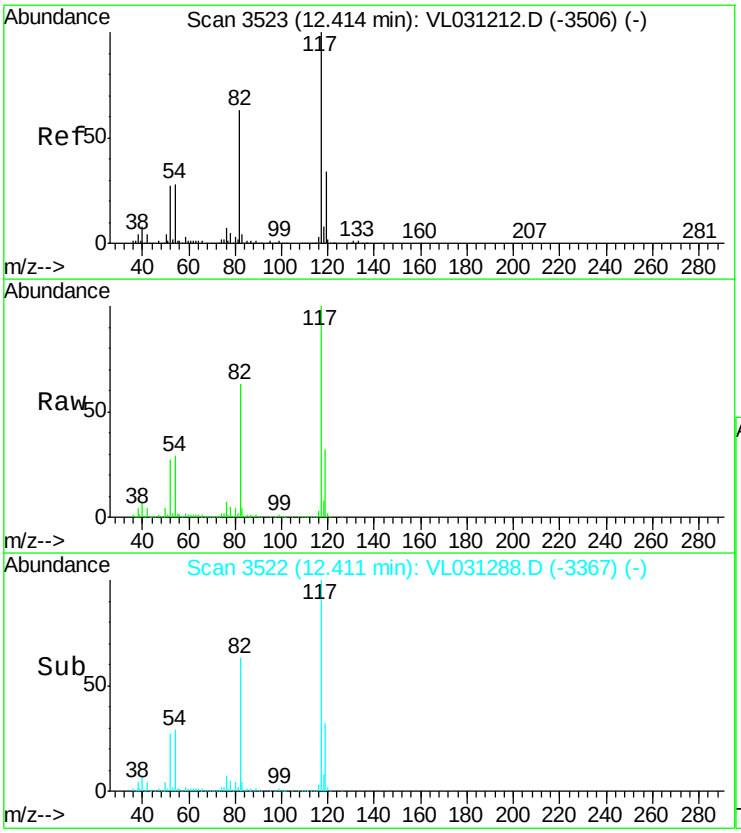
#53
Toluene
Concen: 0.25 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion: 91 Resp: 104300

Ion	Ratio	Lower	Upper
91	100		
92	60.1	49.1	73.7

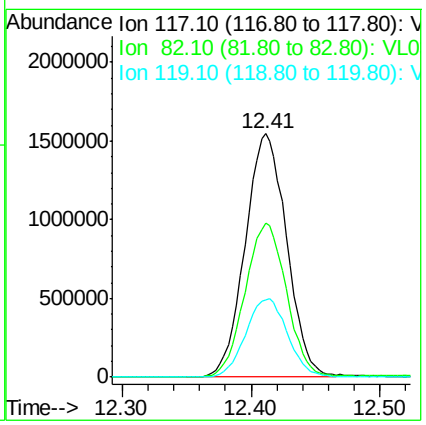


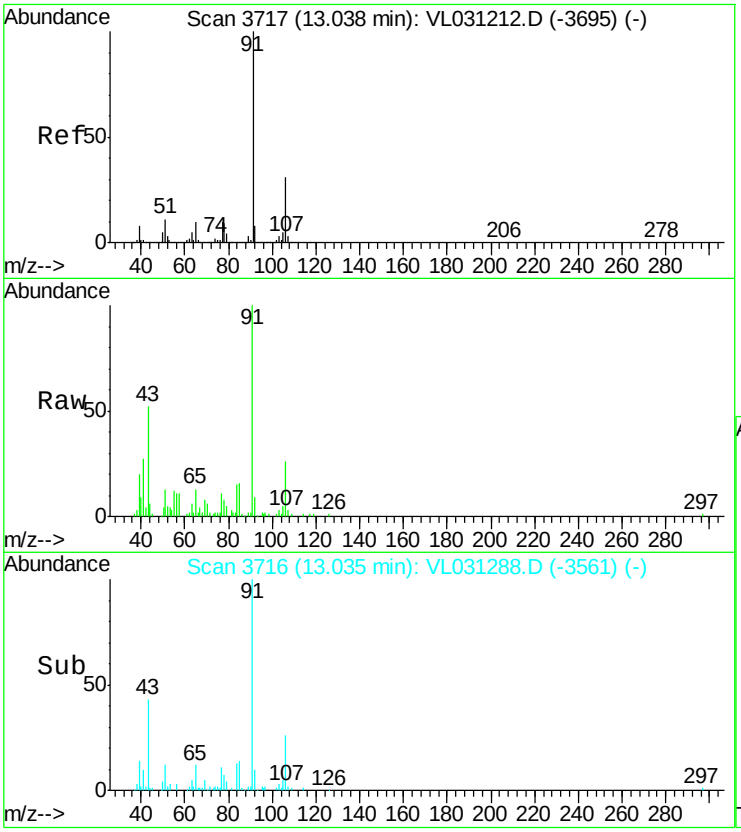


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion:117 Resp: 3470312

Ion	Ratio	Lower	Upper
117	100		
82	63.2	48.1	72.1
119	32.6	23.1	34.7



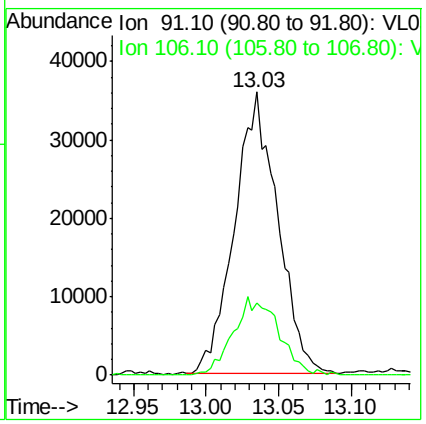


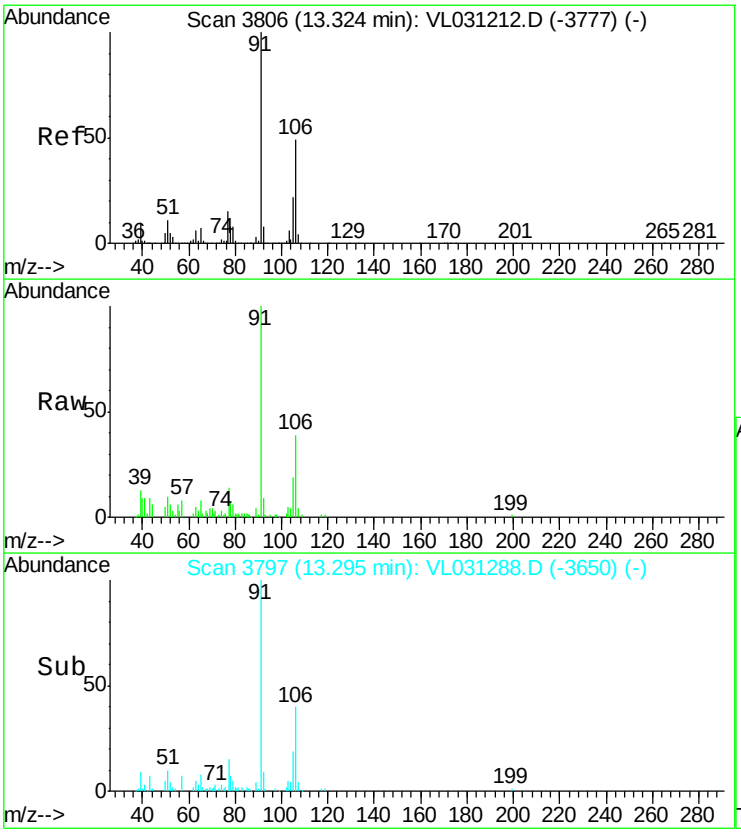
#58
Ethyl Benzene
Concen: 0.13 ppbv
RT: 13.03 min Scan# 3716
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion: 91 Resp: 74441

Ion	Ratio	Lower	Upper
91	100		
106	25.7	25.1	37.7

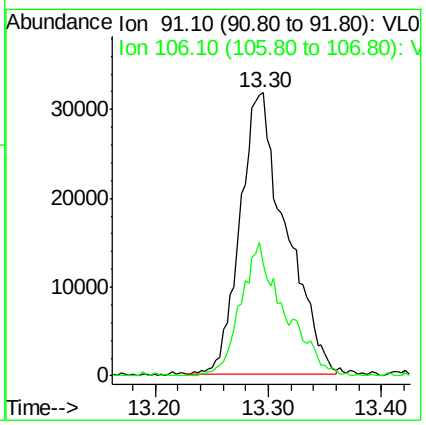


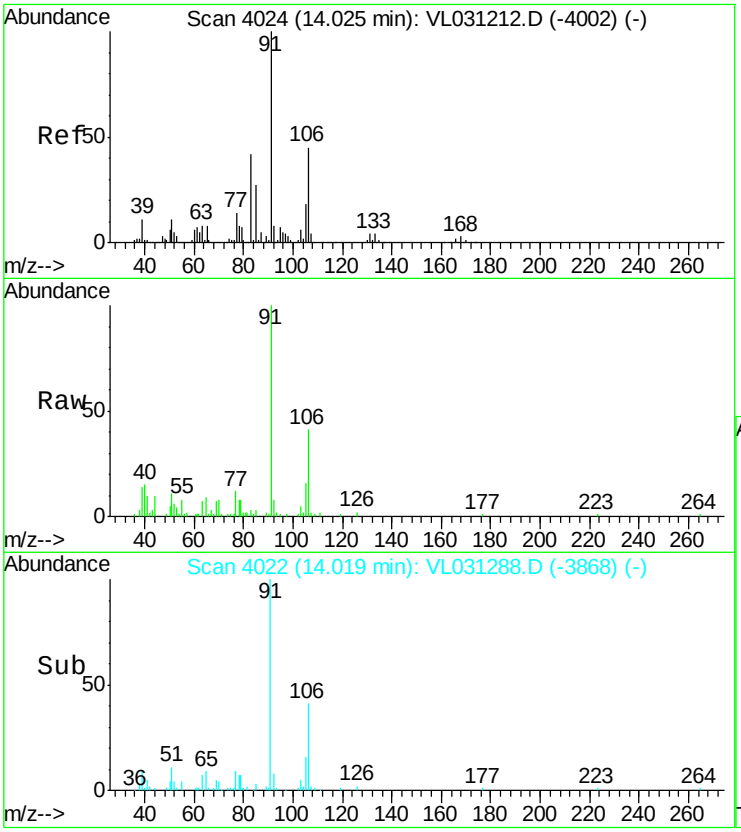


#59
m/p-Xylene
Concen: 0.20 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.03 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion: 91 Resp: 89717

Ion	Ratio	Lower	Upper
91	100		
106	45.1	38.5	57.7



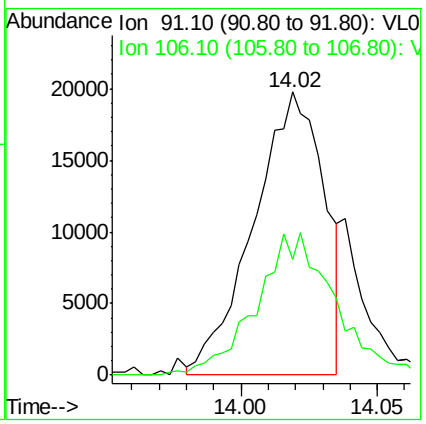


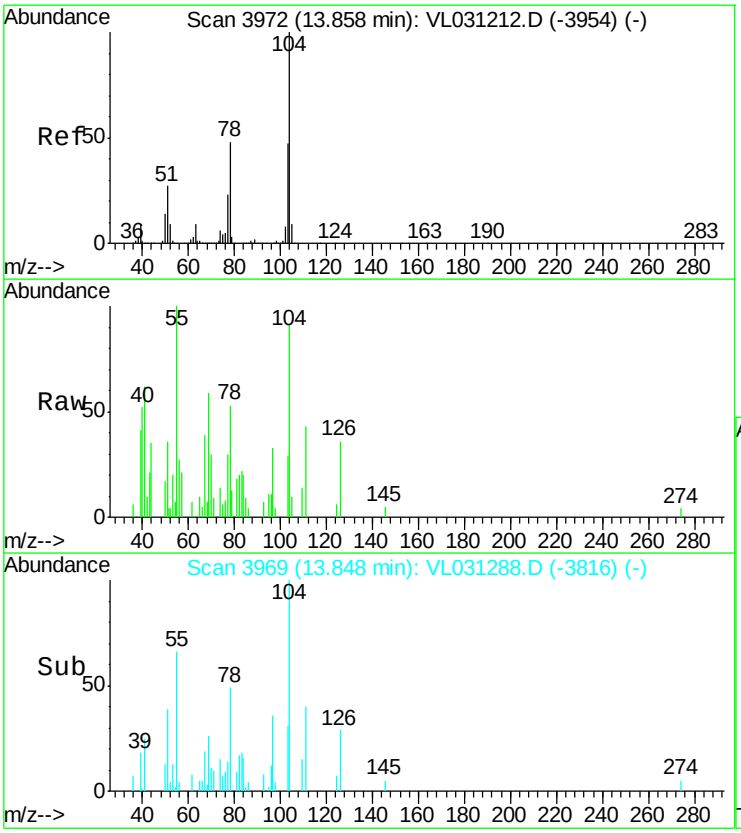
#60
o-Xylene
Concen: 0.08 ppbv
RT: 14.02 min Scan# 4022
Delta R.T. -0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 91 Resp: 35473

Ion	Ratio	Lower	Upper
91	100		
106	55.4	22.7	68.1

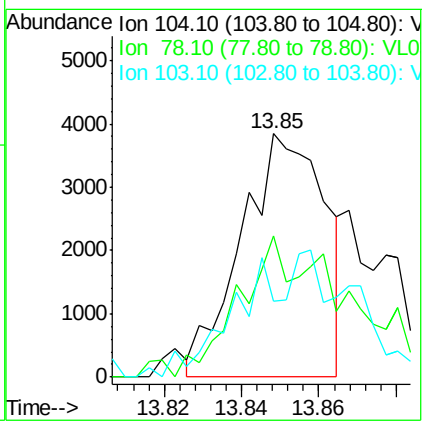


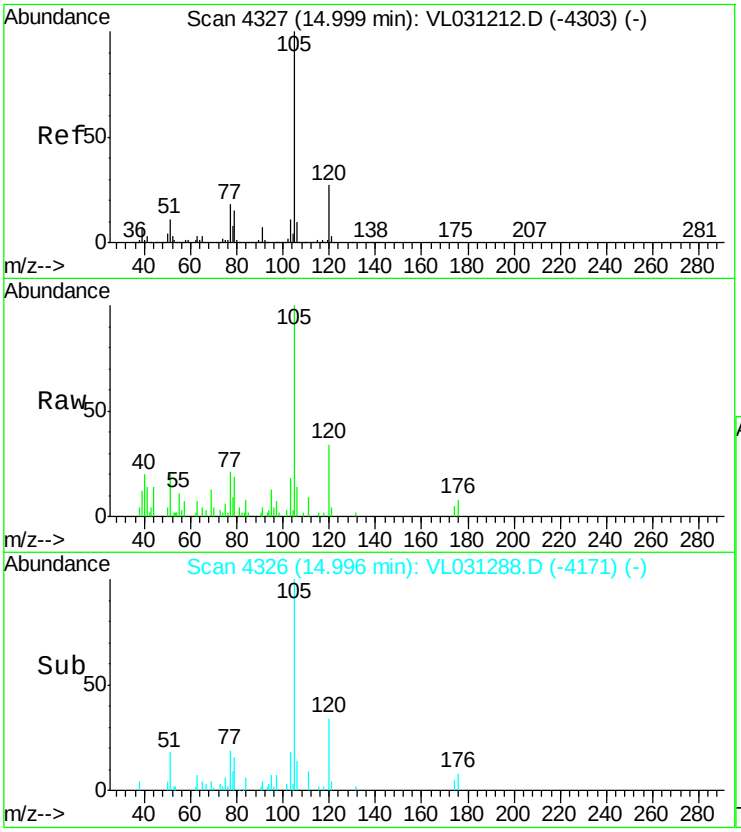


#61
Styrene
Concen: 0.04 ppbv
RT: 13.85 min Scan# 3969
Delta R.T. -0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion:104 Resp: 5766

Ion	Ratio	Lower	Upper
104	100		
78	78.1	39.1	58.7#
103	0.0	37.3	55.9#



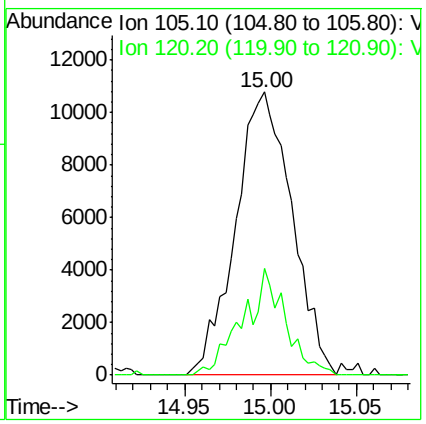


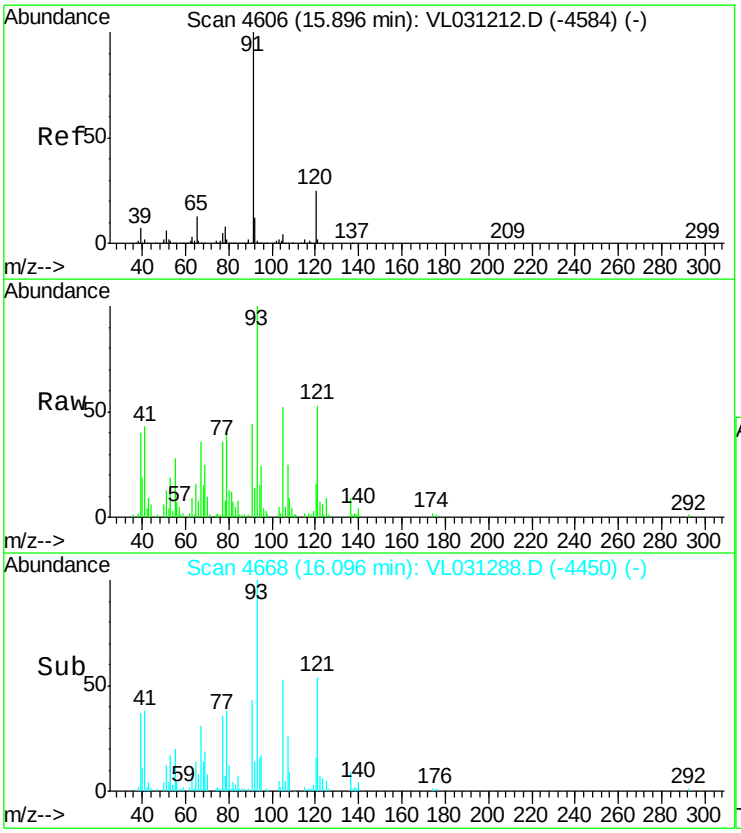
#62
Isopropylbenzene
Concen: 0.04 ppbv
RT: 15.00 min Scan# 4326
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion:105 Resp: 24604

Ion	Ratio	Lower	Upper
105	100		
120	28.4	21.0	31.6

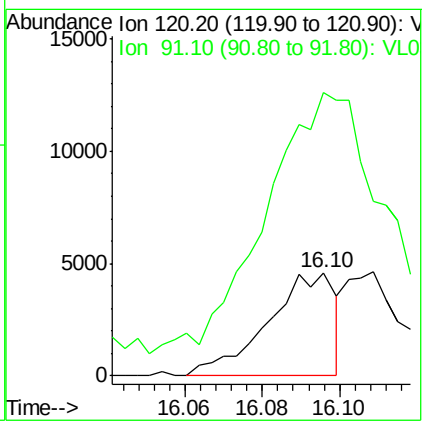


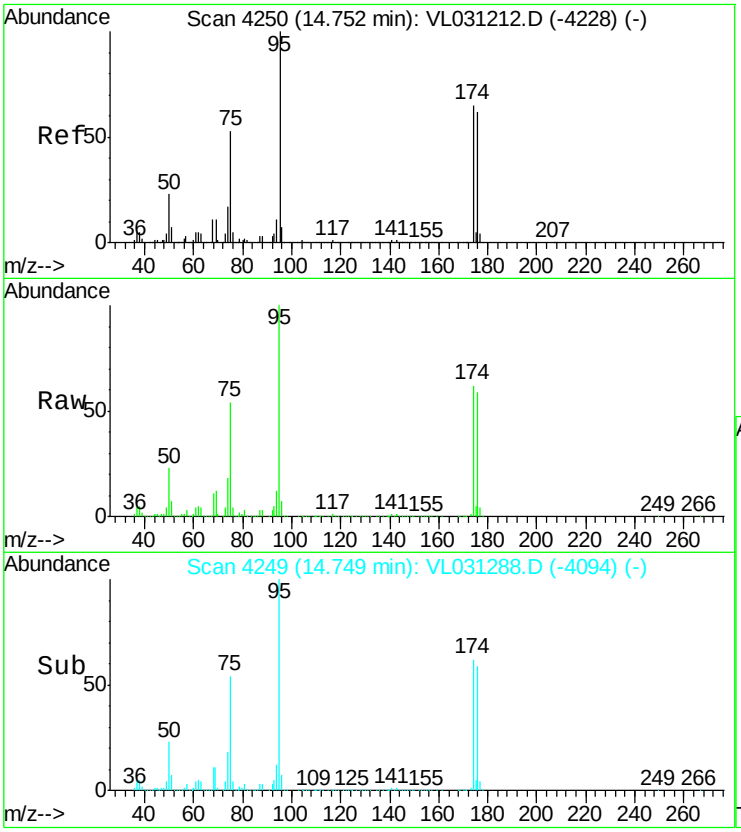


#64
n-propylbenzene
Concen: 0.03 ppbv
RT: 16.10 min Scan# 4668
Delta R.T. 0.20 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion:120 Resp: 5563

Ion	Ratio	Lower	Upper
120	100		
91	528.0	352.1	528.1



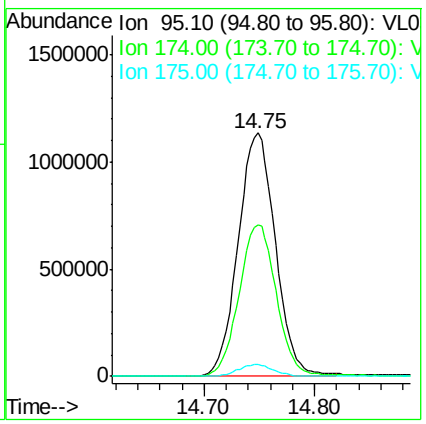


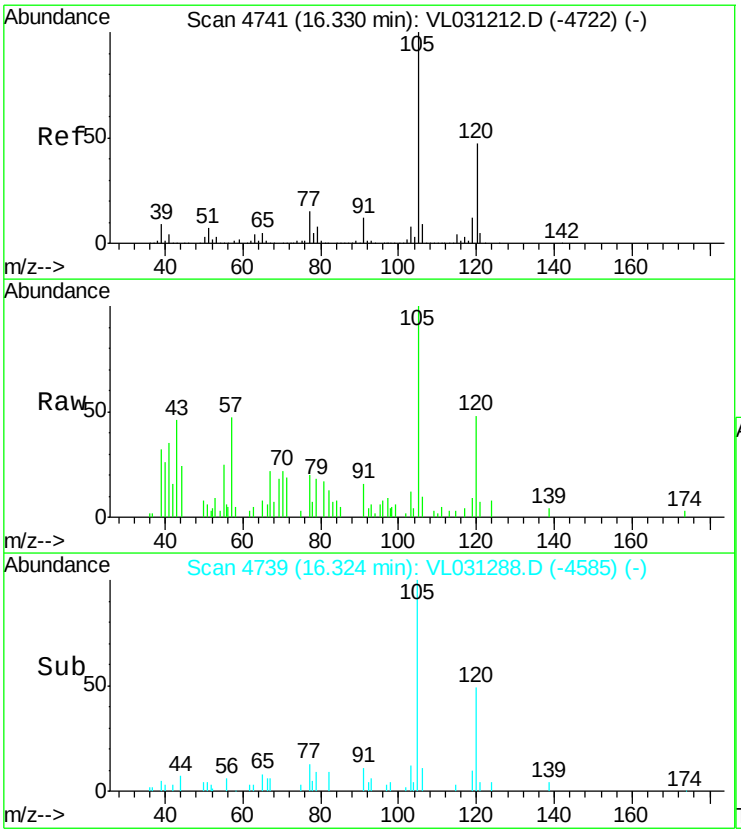
#68
1-Bromo-4-Fluorobenzene
Concen: 10.75 ppbv
RT: 14.75 min Scan# 4249
Delta R.T. -0.00 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument : MSVOA_L
ClientSampleId : EP1-SV-7DL

Tgt Ion: 95 Resp: 2652845

Ion	Ratio	Lower	Upper
95	100		
174	63.3	52.5	78.7
175	4.7	4.1	6.1

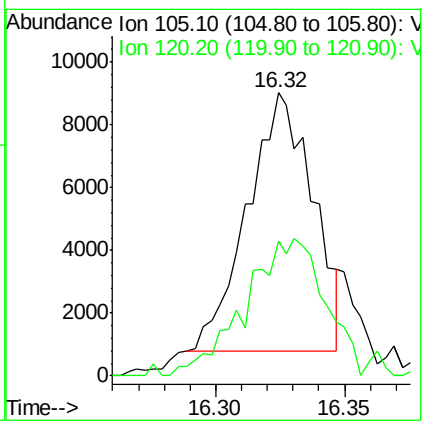


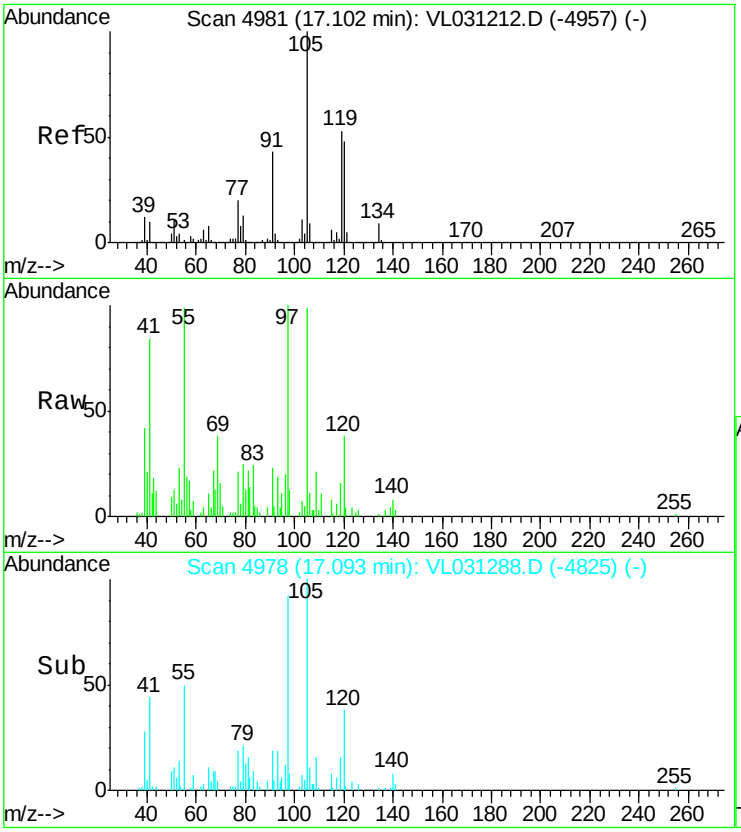


#73
1,3,5-Trimethylbenzene
Concen: 0.03 ppbv
RT: 16.32 min Scan# 4739
Delta R.T. -0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Tgt Ion:105 Resp: 14622

Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.8	56.6





#74
1,2,4-Trimethylbenzene
Concen: 0.04 ppbv
RT: 17.09 min Scan# 4978
Delta R.T. -0.01 min
Lab File: VL031288.D
Acq: 21 Dec 2017 3:15

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-7DL

Tgt Ion:105 Resp: 17535

Ion	Ratio	Lower	Upper
105	100		
120	35.8	38.6	58.0#
91	21.2	34.2	51.4#
77	10.2	16.1	24.1#