Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\

Quantitation Report (Not Reviewed)

Data File : VL032815.D
Acq On : 27 Nov 2018 20:12
Operator : SY/AP
Sample : J6046-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP2-SV-01

Quant Time: Nov 28 03:15:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1317859	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.31	114	3355503	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3043644	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2249202	9.88	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	58829	0.311	ppbv		99
3) Chlorodifluoromethane	3.02	51	469832	4.497	ppbv		96
4) Chloromethane	3.18	50	18106	0.313	ppbv		88
9) Propene	3.05	41	692389	16.560	ppbv		97
10) Heptane	8.26	43	4916	0.031	ppbv	#	1
11) Trichlorofluoromethane	4.02	101	233047	1.305	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.56	101	9657	0.066	ppbv	#	61
13) Ethanol	3.67	45	1398941	102.150	ppbv		99
15) Acetone	3.91	43	2253054	18.721	ppbv	#	68
16) 1,3-Butadiene	3.35	39	509609	10.934	ppbv	#	13
17) tert-Butyl alcohol	4.05	59	52119	1.381	ppbv		97
19) Isopropyl Alcohol	4.04	45	1466871	18.296	ppbv	#	1
20) Methylene Chloride	4.42	84	167970	2.696	ppbv		96
21) Allyl Chloride	4.38	41	8472	0.084	ppbv	#	1
23) Vinyl Acetate	5.16	43	102556	0.467	ppbv	#	84
25) Ethyl Acetate	5.79	43	155325	0.554	ppbv	#	96
26) Hexane	5.80	57	115970	0.929	ppbv	#	1
27) Carbon Disulfide	4.63	76	12696	0.080	ppbv	#	51
30) Cyclohexane	7.26	84	4067	0.037	ppbv	#	1
32) 1,1,1-Trichloroethane	6.63	97	29670	0.122	ppbv		100
34) 2-Butanone	5.34	43	8066789	46.351	ppbv		97
35) Carbon Tetrachloride	7.15	117	8407	0.031	ppbv		96
36) Benzene	7.02	78	83058	0.311	ppbv		97
38) Trichloroethene	7.98	130	5111	0.047	ppbv	#	65
39) 1,2-Dichloropropane	7.31	63	833595	8.188	ppbv	#	25
41) Tetrahydrofuran	6.16	42	1000442	10.022	ppbv		99
44) 2,2,4-Trimethylpentane	8.01	57	19686	0.044	ppbv	#	42
52) Tetrachloroethene	11.39	164	620153	6.672	ppbv		96
53) Toluene	9.96	91	1588440	5.698	ppbv		99
59) m/p-Xylene	13.14	91	69908	0.214	ppbv	#	63
60) o-Xylene	13.87	91	18043	0.055	ppbv	#	32
74) 1,2,4-Trimethylbenzene	16.94	105	29563	0.079	ppbv	#	66

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

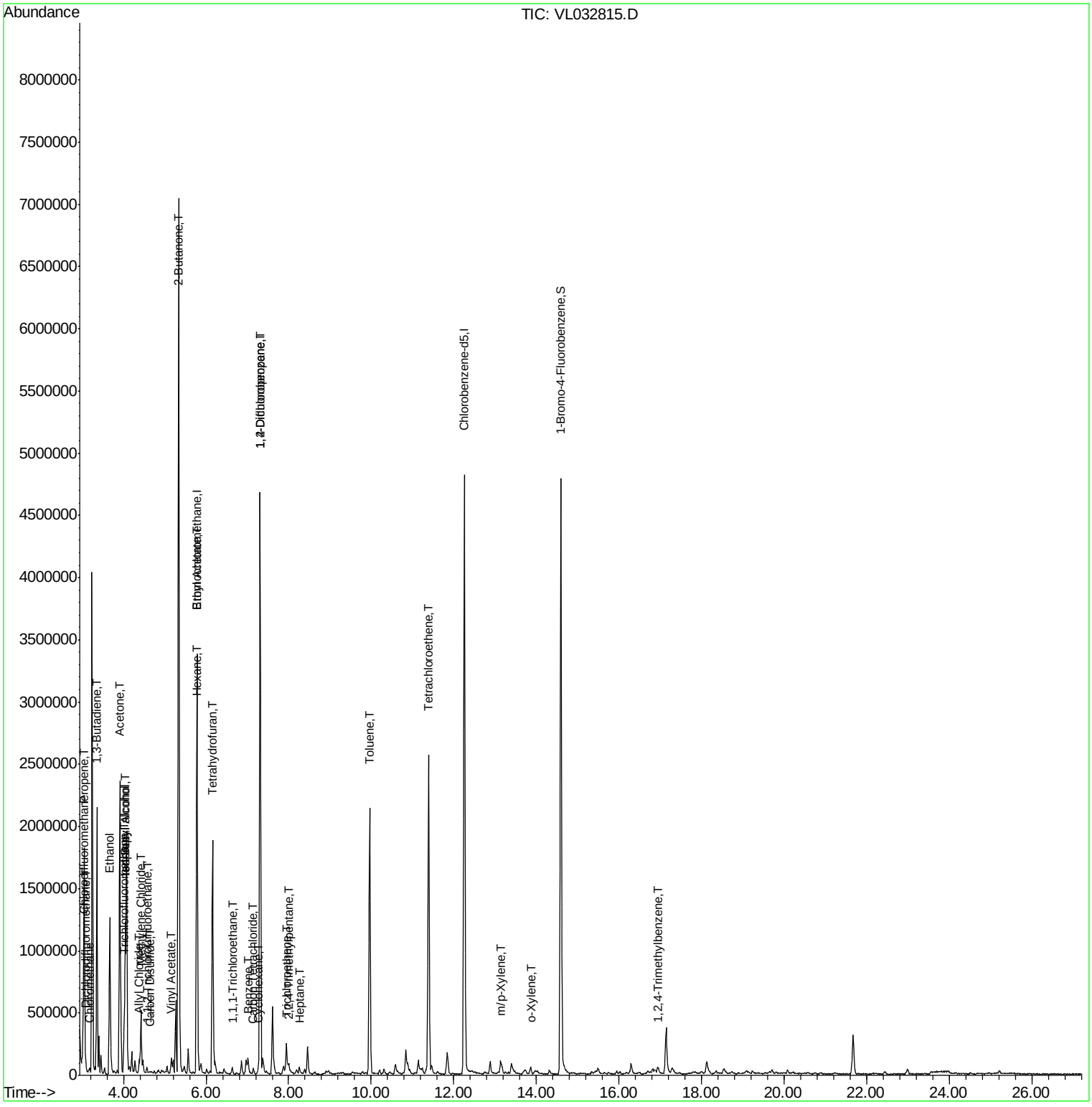
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112718\

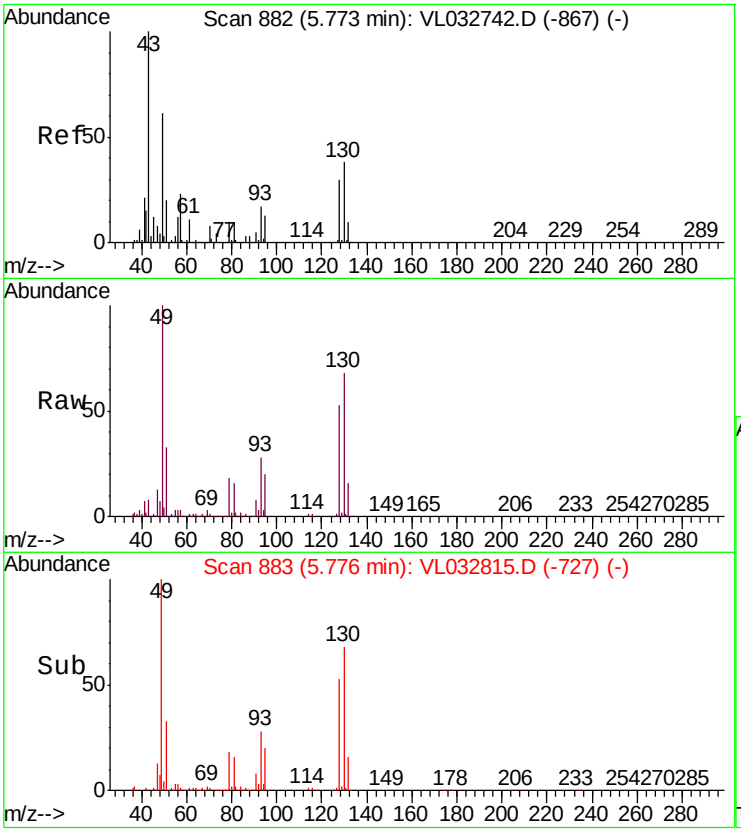
Quantitation Report (Not Reviewed)

Data File : VL032815.D
Acq On : 27 Nov 2018 20:12
Operator : SY/AP
Sample : J6046-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EP2-SV-01

Quant Time: Nov 28 03:15:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



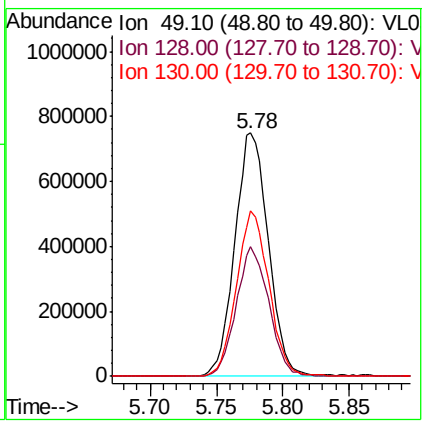


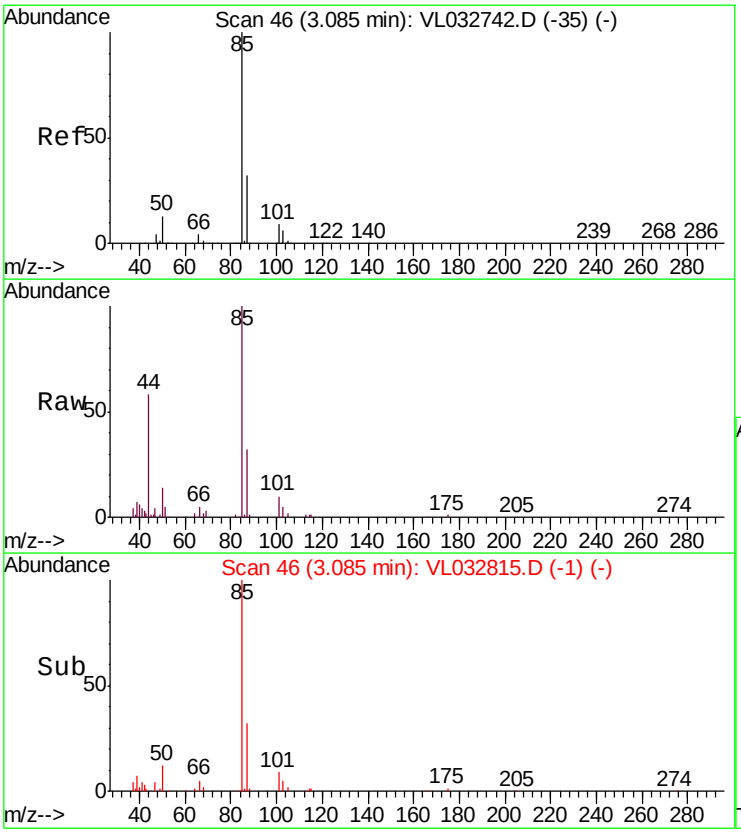
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 49 Resp: 1317859

Ion	Ratio	Lower	Upper
49	100		
128	52.3	24.9	74.6
130	66.0	31.4	94.2

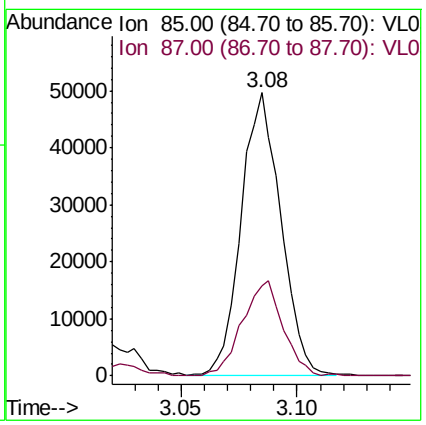


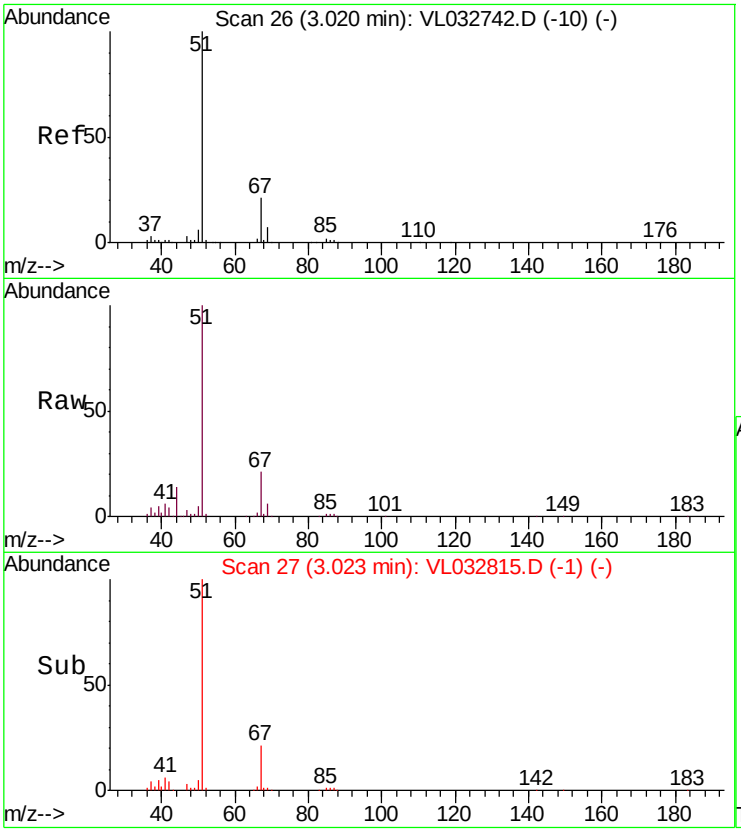


#2
Dichlorodifluoromethane
Concen: 0.311 ppbv
RT: 3.08 min Scan# 46
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 85 Resp: 58829

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.0	39.0



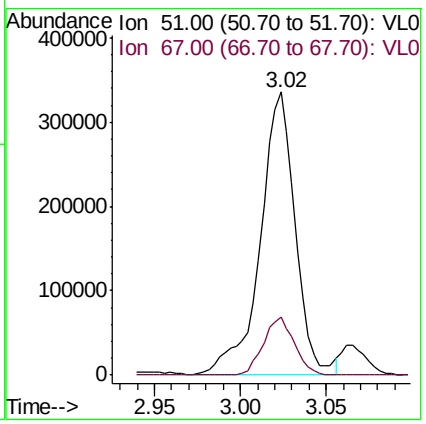


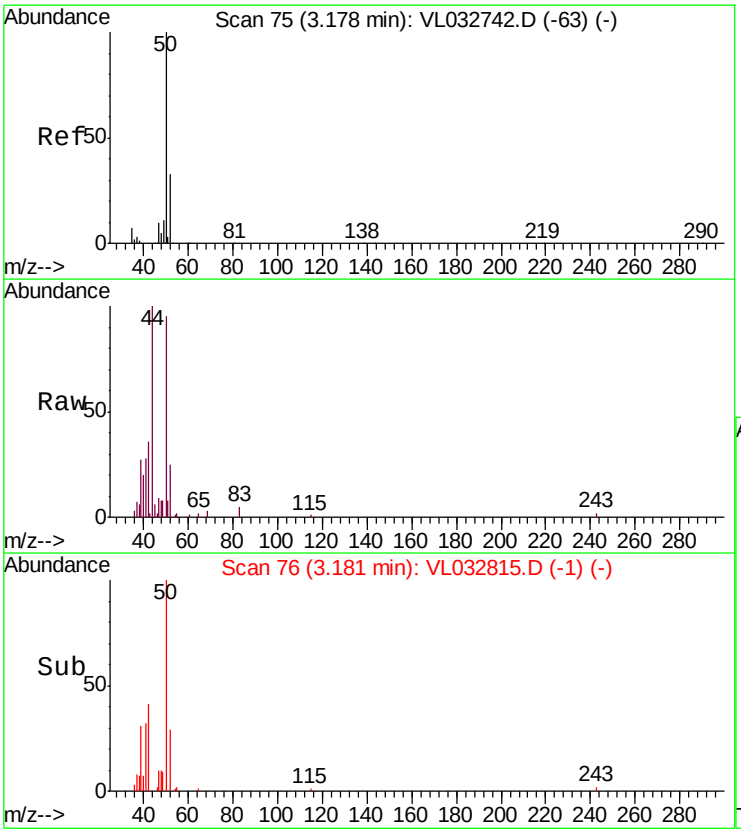
#3
Chlorodifluoromethane
Concen: 4.497 ppbv
RT: 3.02 min Scan# 27
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 51 Resp: 469832

Ion	Ratio	Lower	Upper
51	100		
67	18.4	16.1	24.1

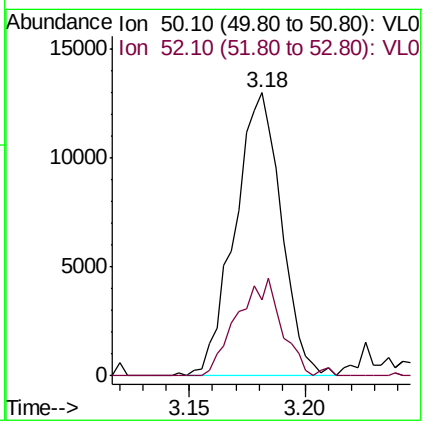


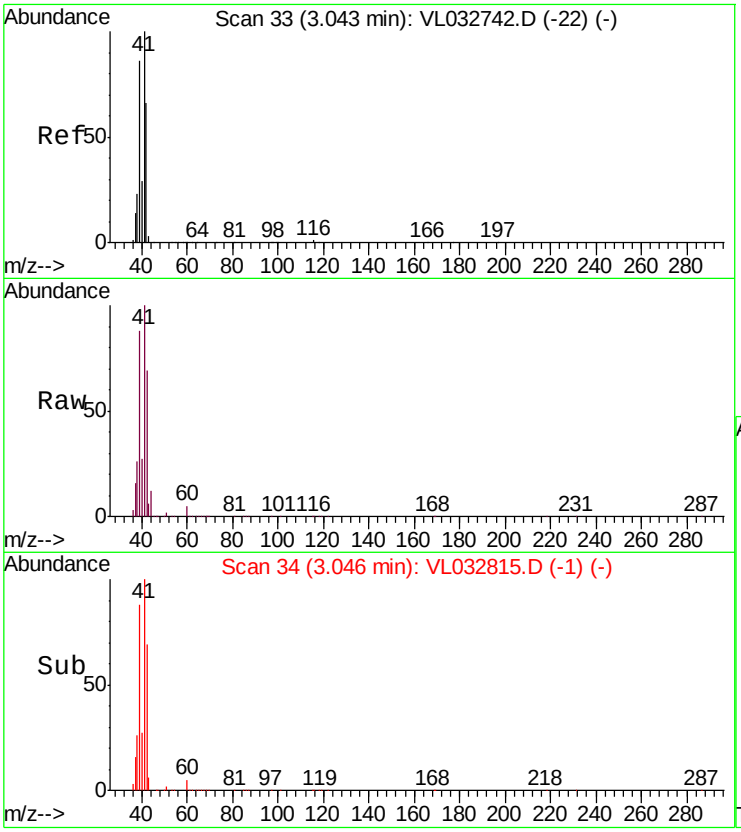


#4
Chloromethane
Concen: 0.313 ppbv
RT: 3.18 min Scan# 76
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 50 Resp: 18106

Ion	Ratio	Lower	Upper
50	100		
52	26.7	26.6	40.0



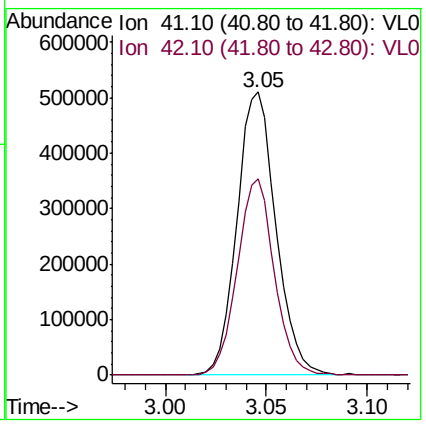


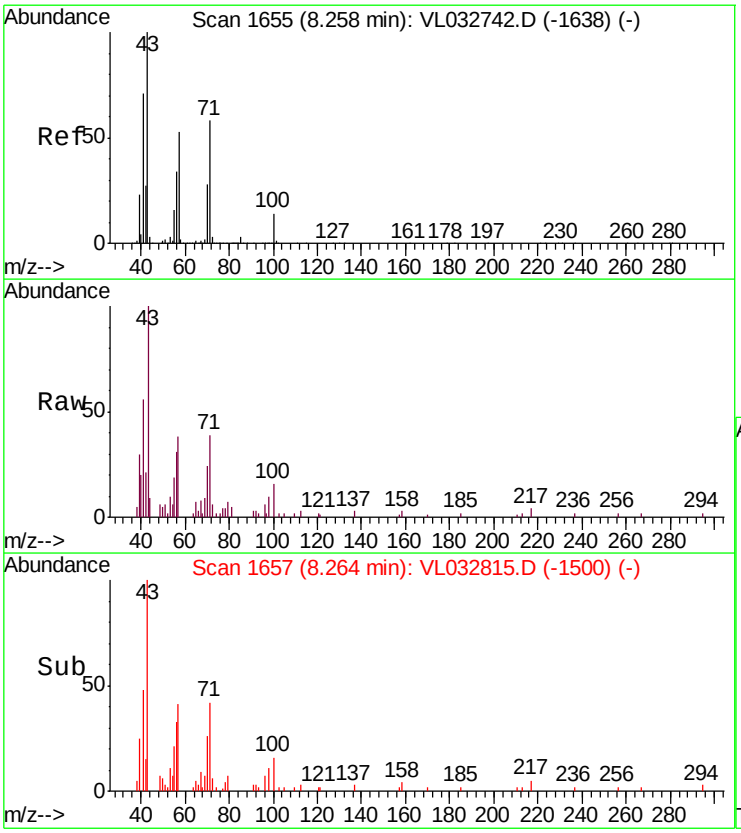
#9
Propene
Concen: 16.560 ppbv
RT: 3.05 min Scan# 34
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 41 Resp: 692389

Ion	Ratio	Lower	Upper
41	100		
42	66.2	55.0	82.6

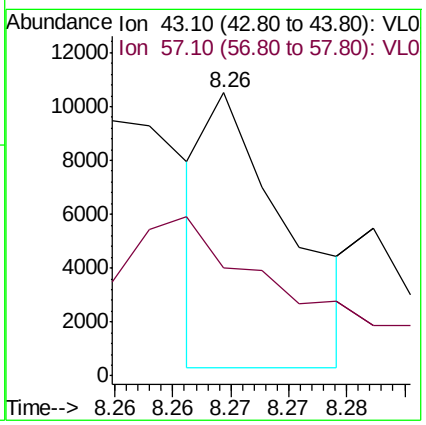


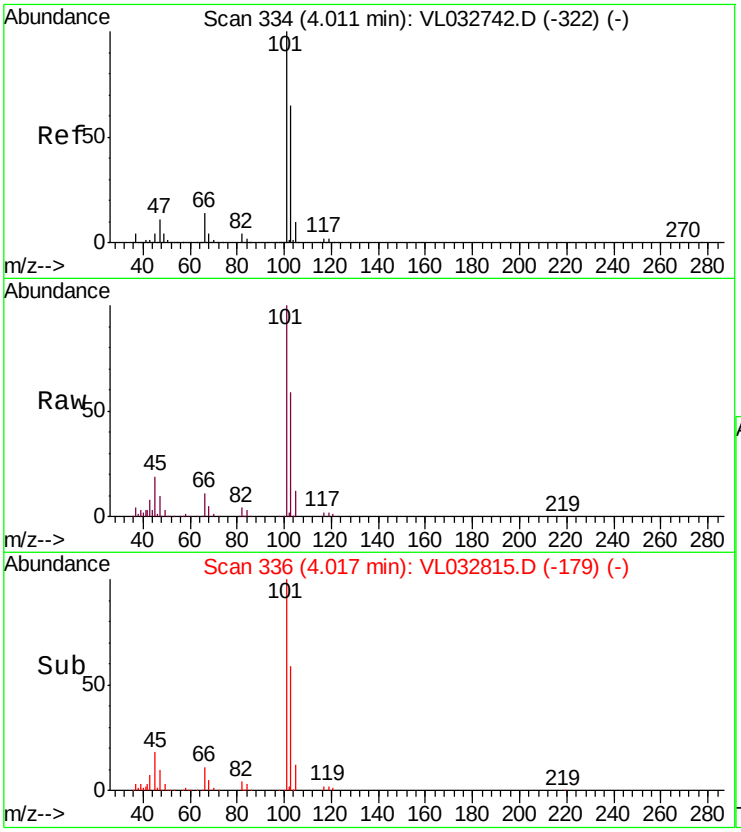


#10
Heptane
Concen: 0.031 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 43 Resp: 4916

Ion	Ratio	Lower	Upper
43	100		
57	215.2	41.8	62.8#



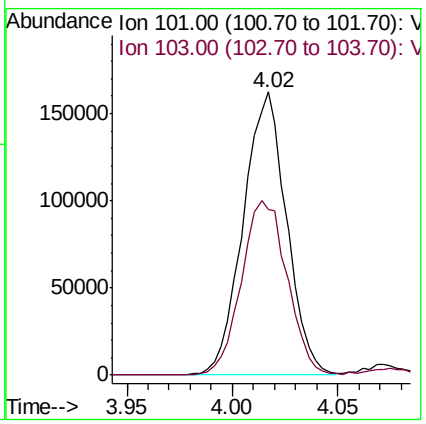


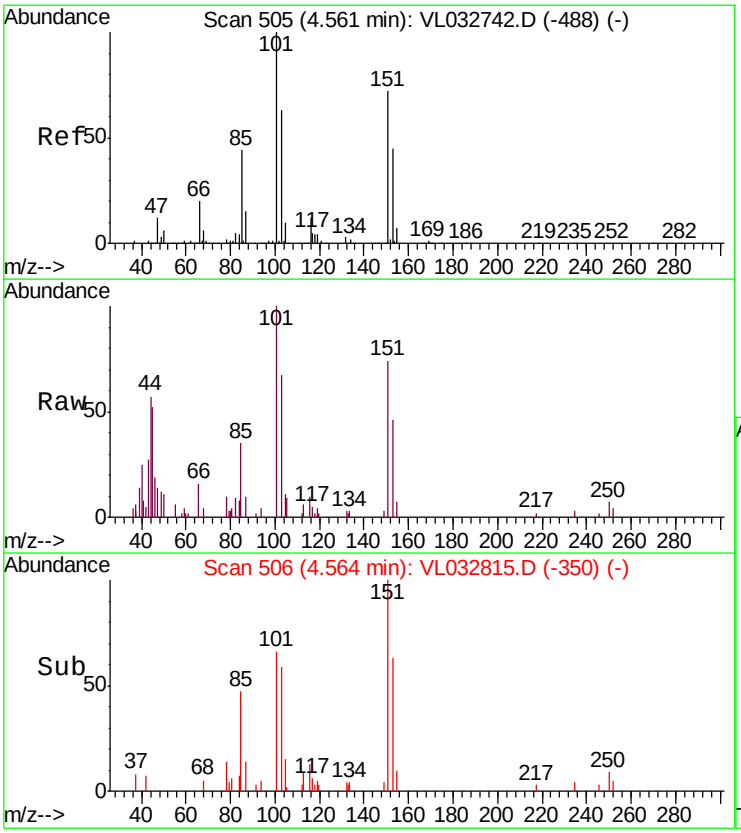
#11
Trichlorofluoromethane
Concen: 1.305 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion:101 Resp: 233047

Ion	Ratio	Lower	Upper
101	100		
103	58.5	51.6	77.4

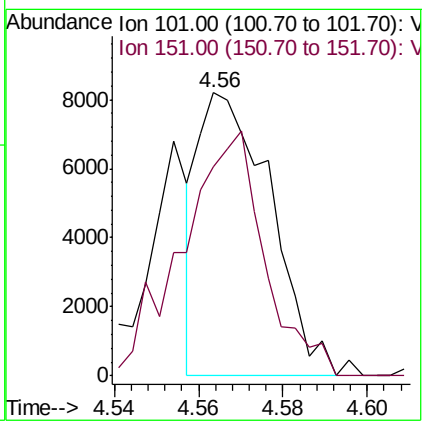


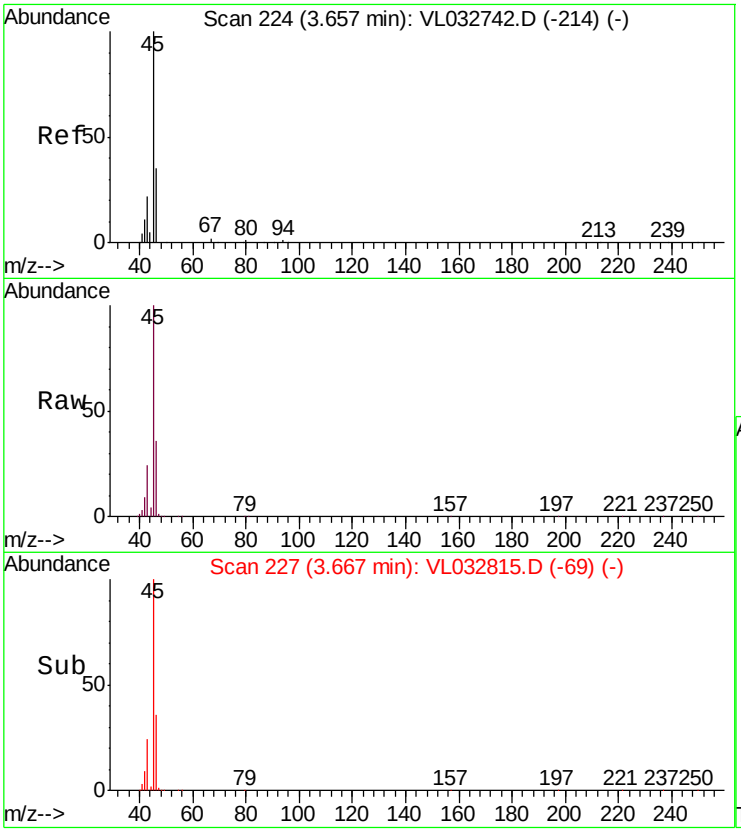


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 4.56 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion:101 Resp: 9657

Ion	Ratio	Lower	Upper
101	100		
151	103.3	56.7	85.1#



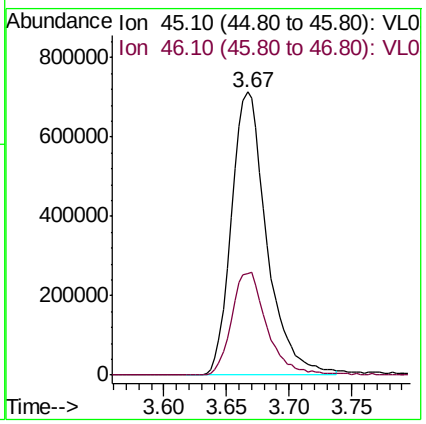


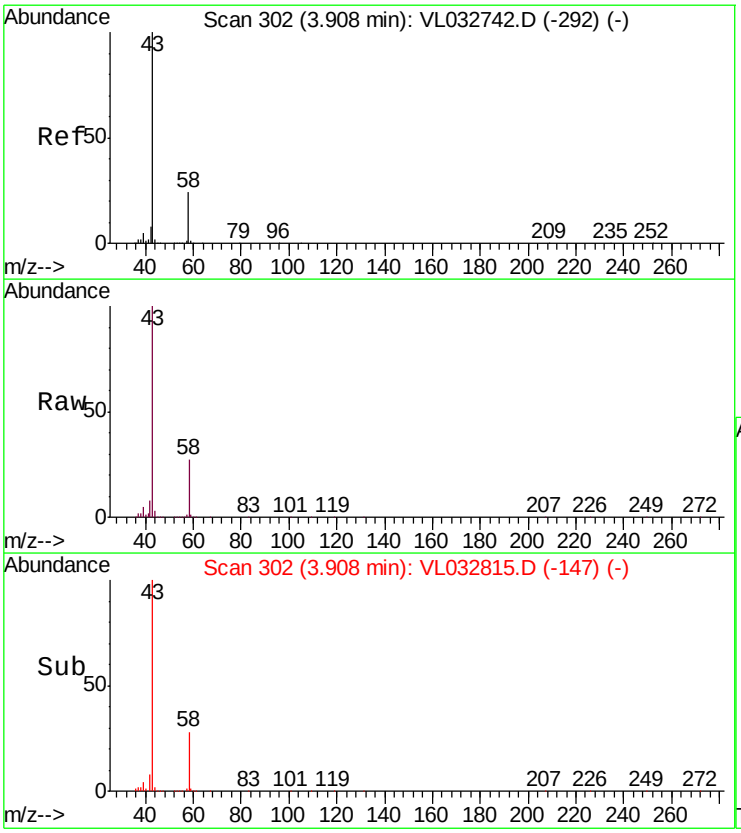
#13
Ethanol
Concen: 102.150 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 45 Resp: 1398941

Ion	Ratio	Lower	Upper
45	100		
46	36.9	14.5	57.9

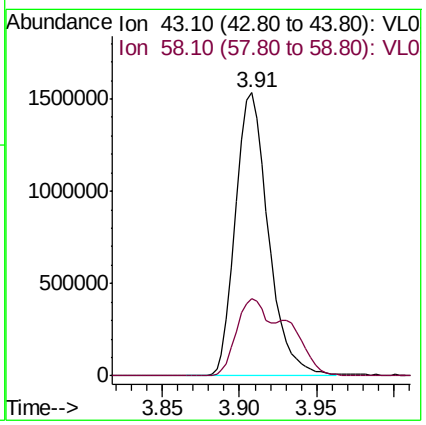


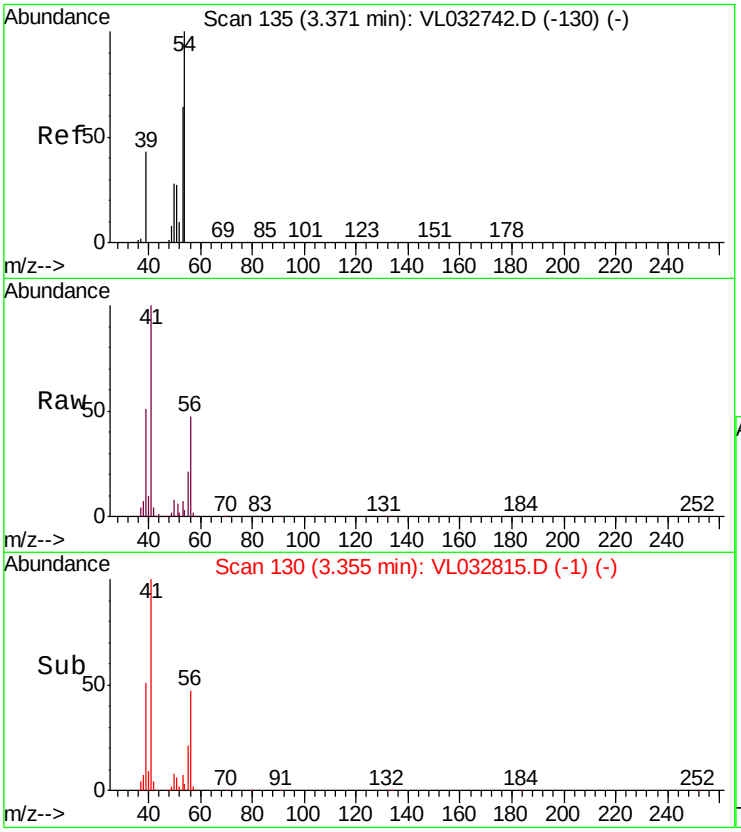


#15
Acetone
Concen: 18.721 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 43 Resp: 2253054

Ion	Ratio	Lower	Upper
43	100		
58	43.1	21.1	31.7#



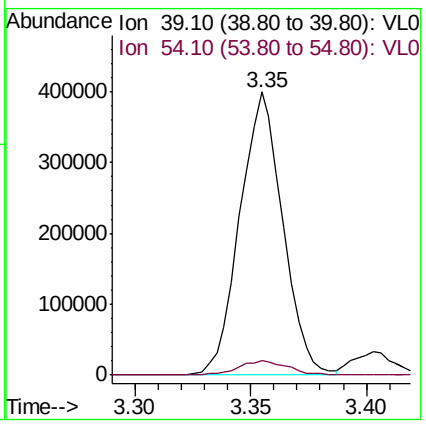


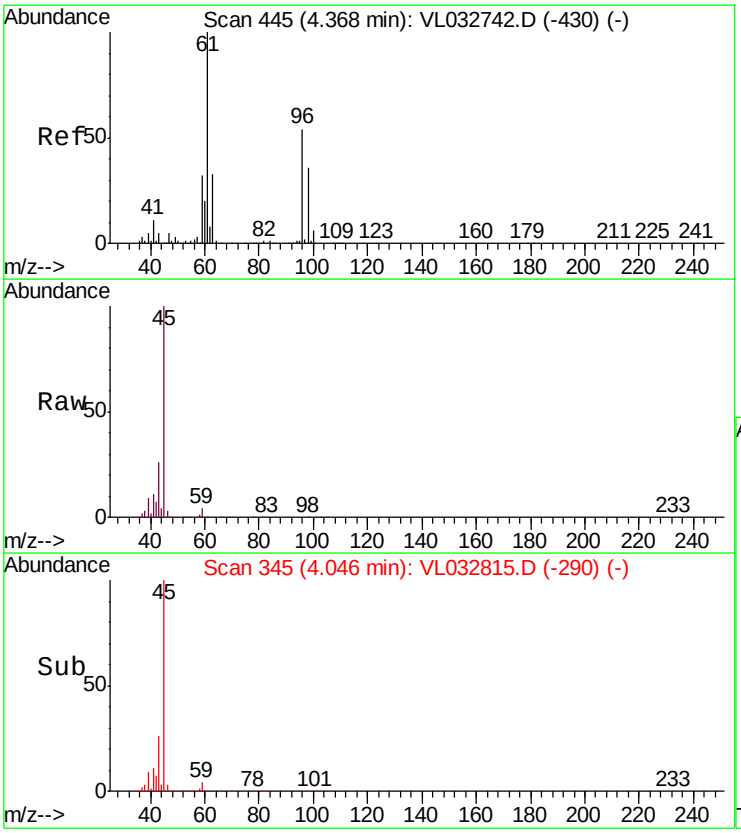
#16
1,3-Butadiene
Concen: 10.934 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.02 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 39 Resp: 509609

Ion	Ratio	Lower	Upper
39	100		
54	6.2	68.9	103.3#

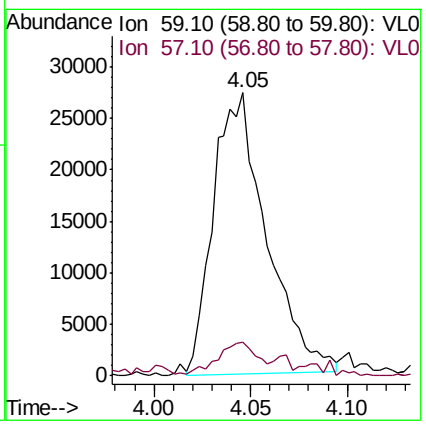


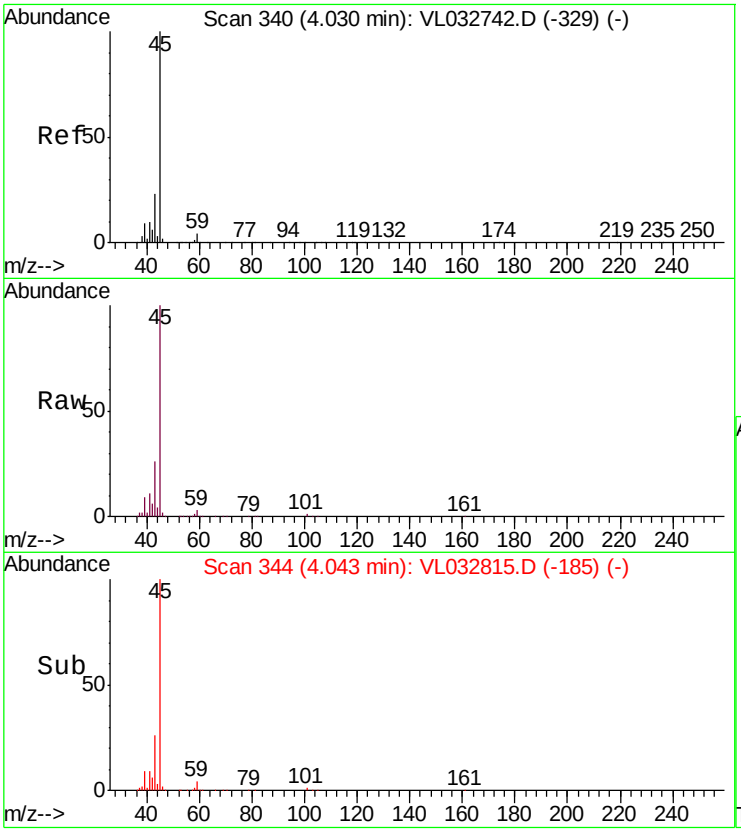


#17
tert-Butyl alcohol
Concen: 1.381 ppbv
RT: 4.05 min Scan# 345
Delta R.T. -0.32 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 59 Resp: 52119

Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.8	11.8



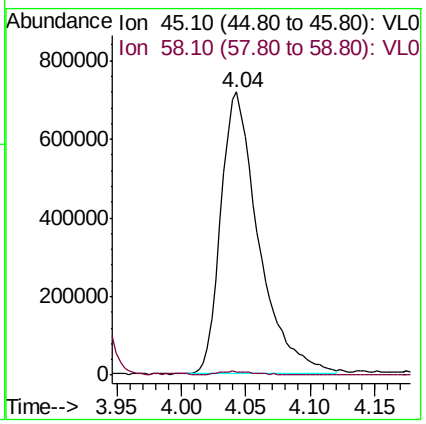


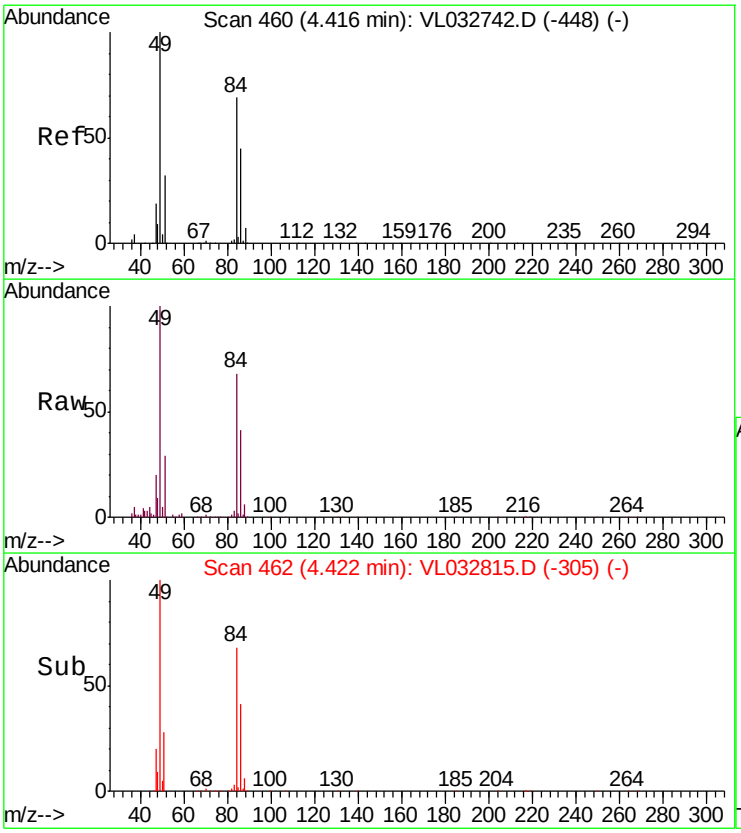
#19
Isopropyl Alcohol
Concen: 18.296 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument : MSVOA_L
ClientSampleId : EP2-SV-01

Tgt Ion: 45 Resp: 1466871

Ion	Ratio	Lower	Upper
45	100		
58	65.8	1.4	2.0#

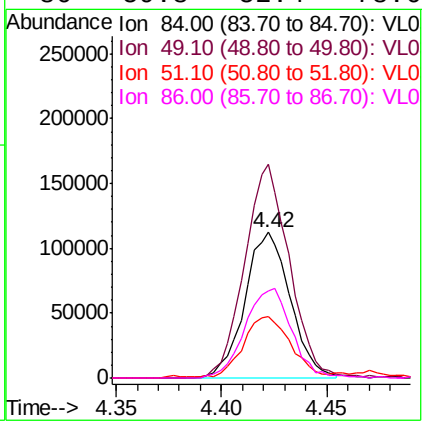


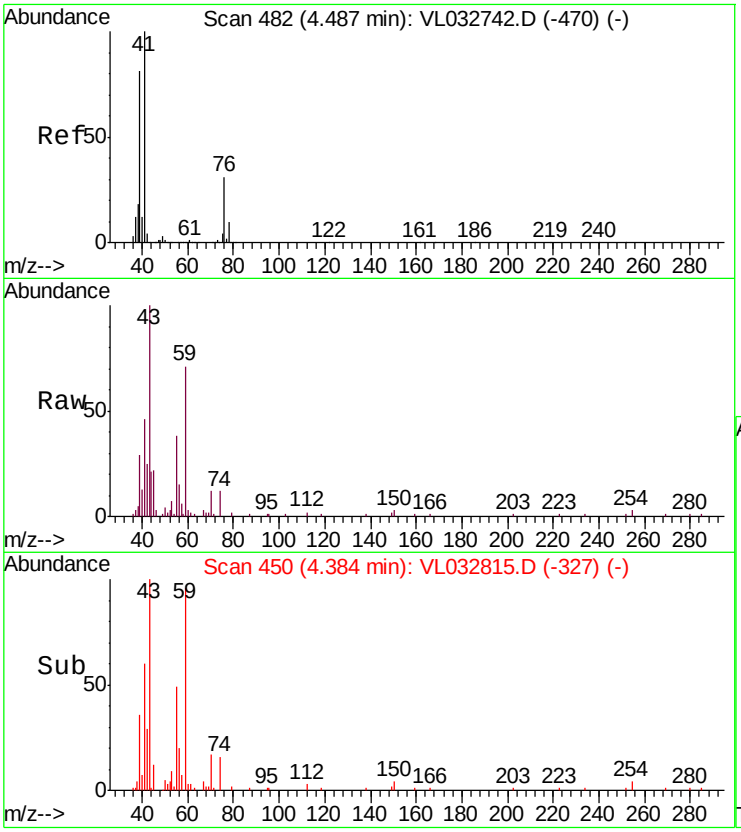


#20
Methylene Chloride
Concen: 2.696 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 84 Resp: 167970

Ion	Ratio	Lower	Upper
84	100		
49	146.6	115.8	173.6
51	41.7	36.9	55.3
86	59.8	52.4	78.6



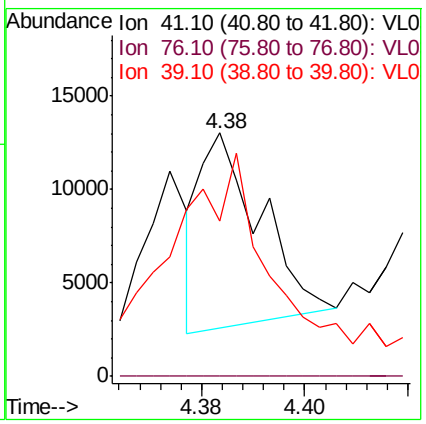


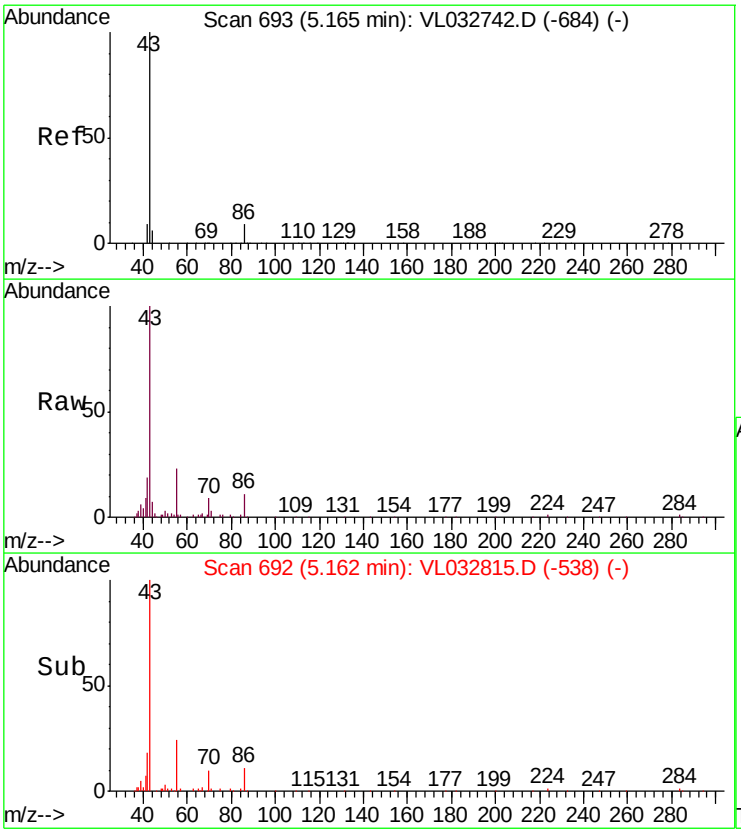
#21
Allyl Chloride
Concen: 0.084 ppbv
RT: 4.38 min Scan# 450
Delta R.T. -0.10 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument : MSVOA_L
ClientSampleId : EP2-SV-01

Tgt Ion: 41 Resp: 8472

Ion	Ratio	Lower	Upper
41	100		
76	7.1	24.4	36.6#
39	219.8	63.5	95.3#

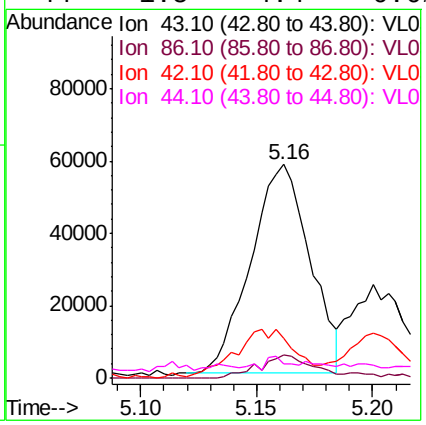


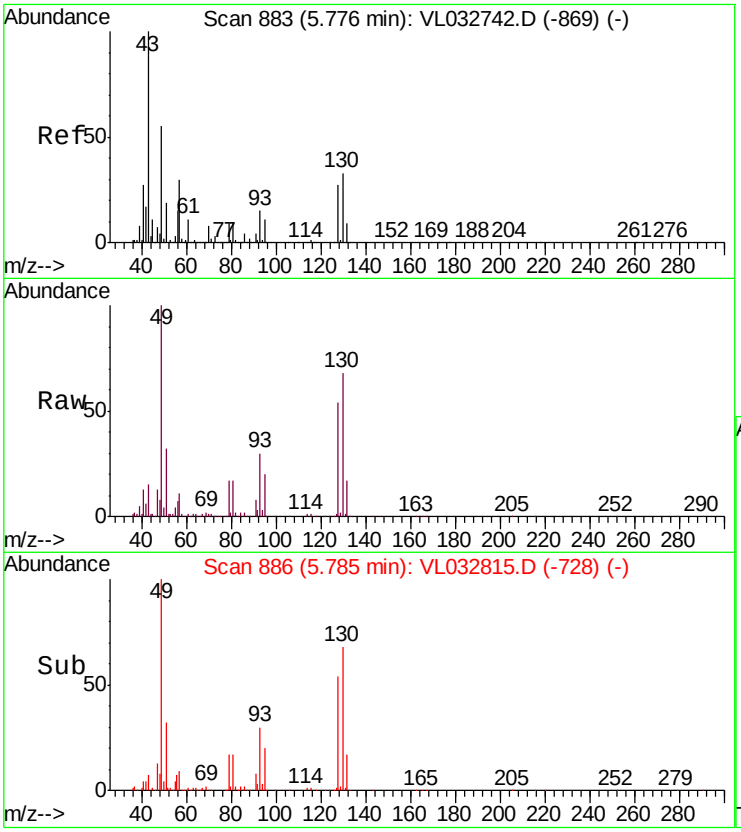


#23
Vinyl Acetate
Concen: 0.467 ppbv
RT: 5.16 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 43 Resp: 102556

Ion	Ratio	Lower	Upper
43	100		
86	10.9	6.2	9.4#
42	18.7	7.8	11.6#
44	1.5	4.4	6.6#



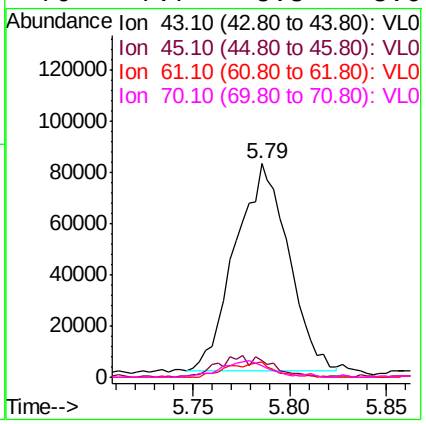


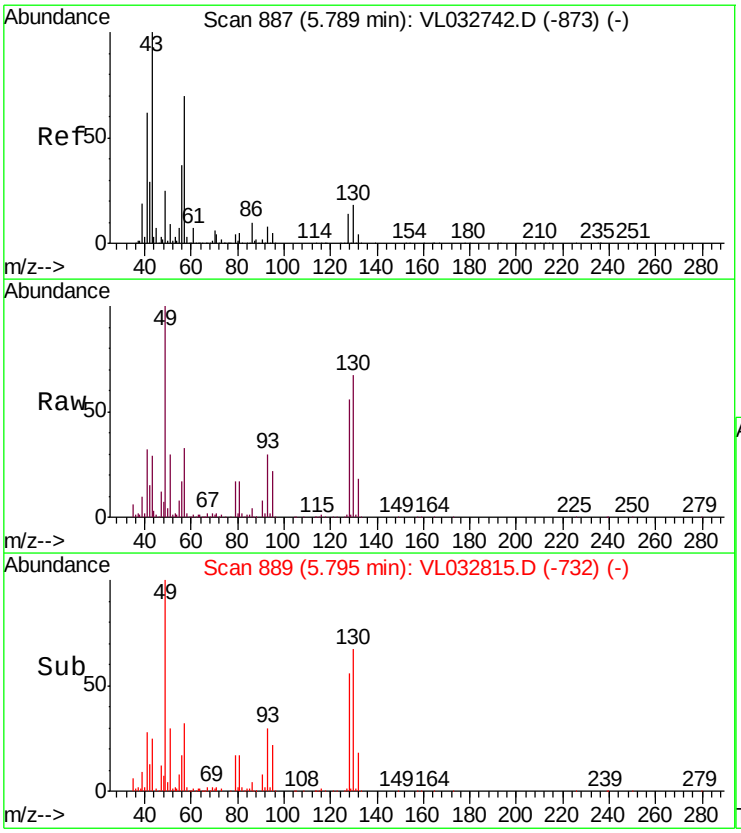
#25
Ethyl Acetate
Concen: 0.554 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument : MSVOA_L
ClientSampleId : EP2-SV-01

Tgt Ion: 43 Resp: 155325

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	6.6	7.8	11.6#
70	7.7	5.8	8.6

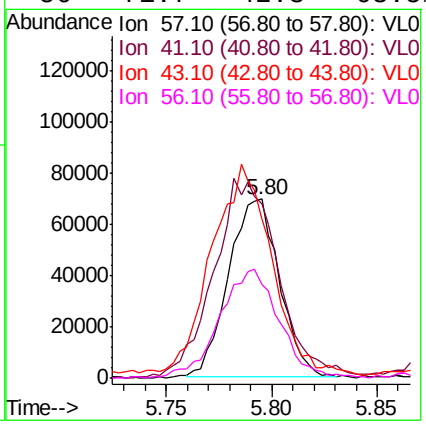


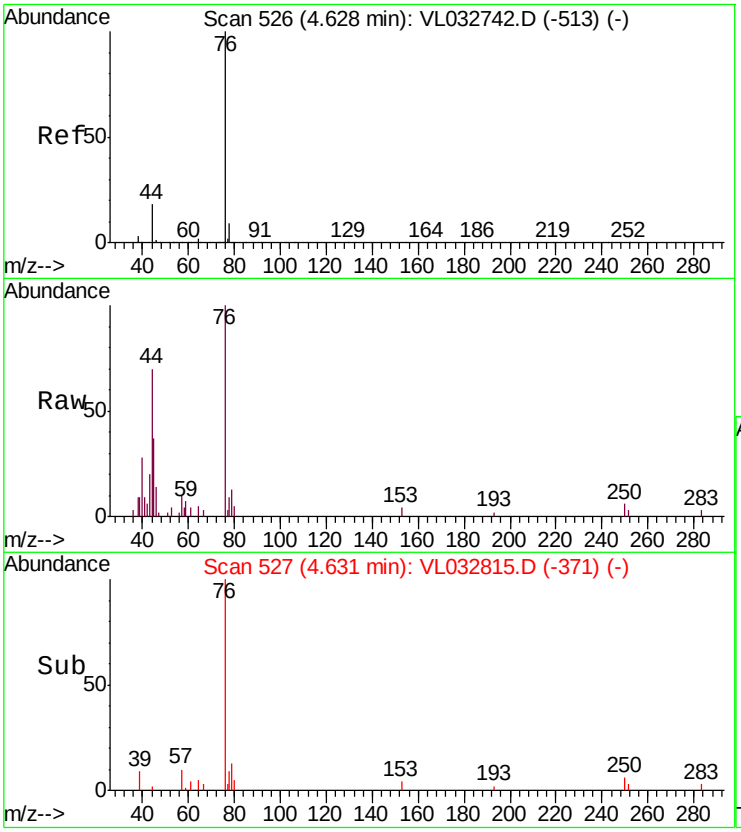


#26
Hexane
Concen: 0.929 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 57 Resp: 115970

Ion	Ratio	Lower	Upper
57	100		
41	141.1	70.3	105.5#
43	0.0	174.0	261.0#
56	71.7	42.3	63.5#



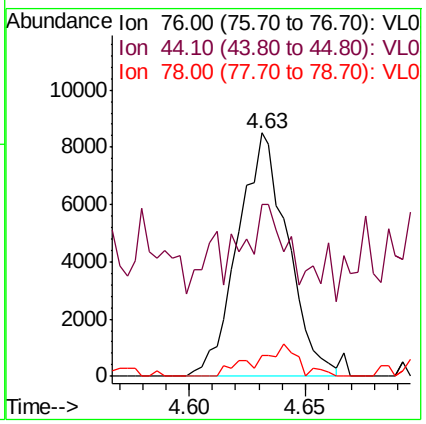


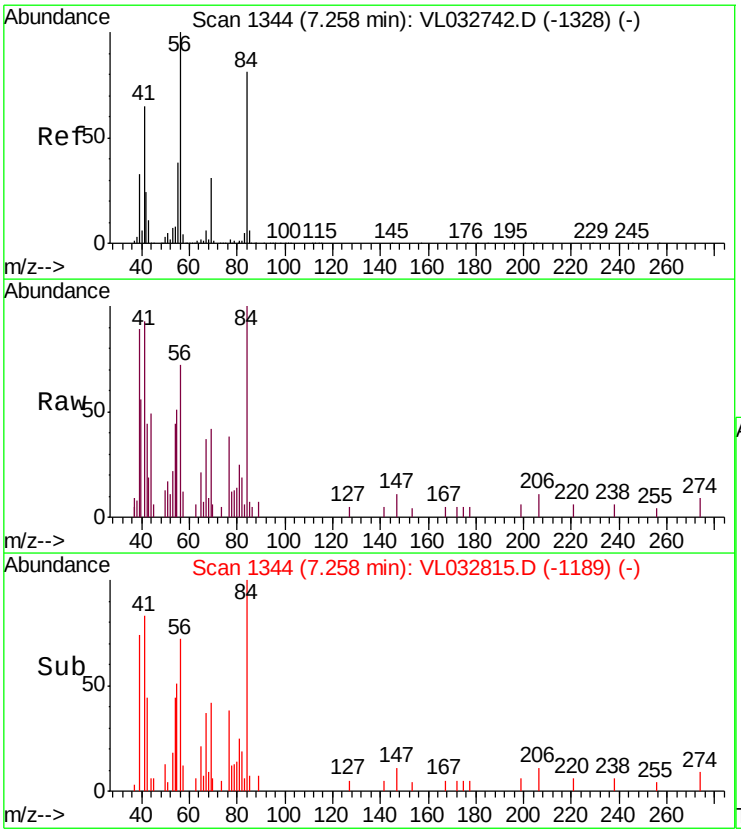
#27
Carbon Disulfide
Concen: 0.080 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument : MSVOA_L
ClientSampleId : EP2-SV-01

Tgt Ion: 76 Resp: 12696

Ion	Ratio	Lower	Upper
76	100		
44	49.7	14.4	21.6#
78	11.5	7.7	11.5

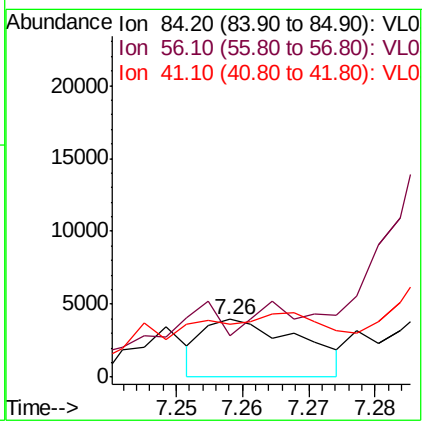


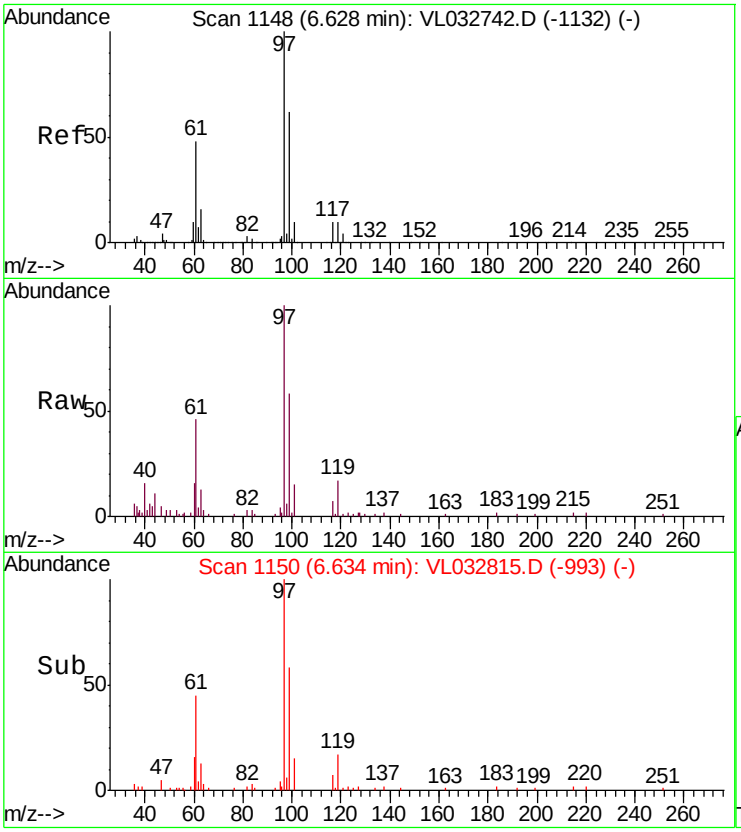


#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 84 Resp: 4067

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	0.0	65.3	97.9#



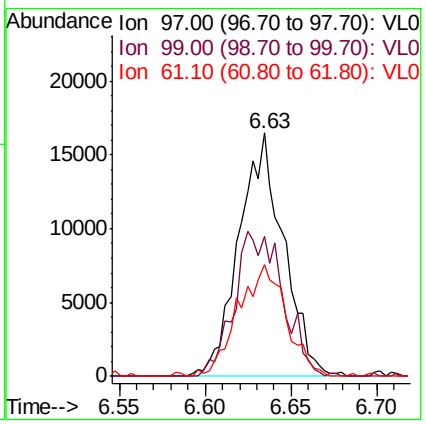


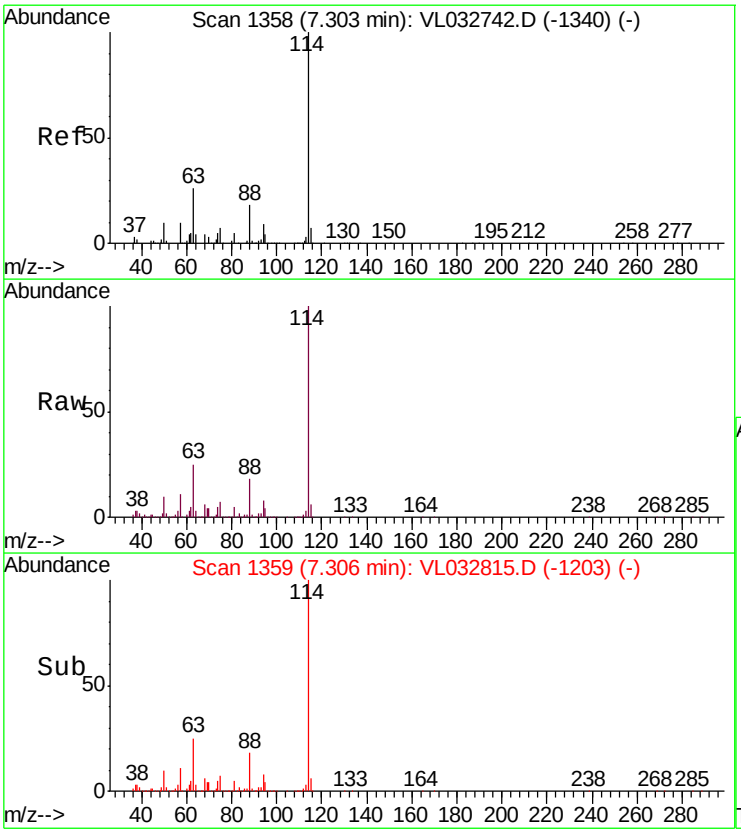
#32
1,1,1-Trichloroethane
Concen: 0.122 ppbv
RT: 6.63 min Scan# 1150
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 97 Resp: 29670

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	49.7	39.7	59.5

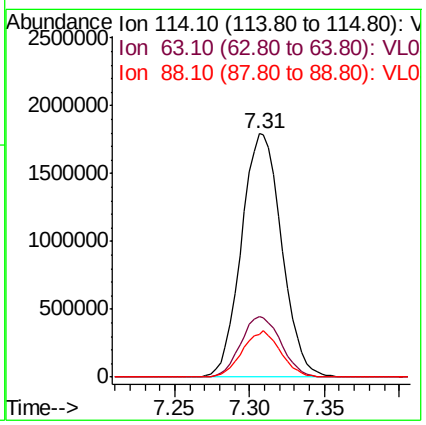


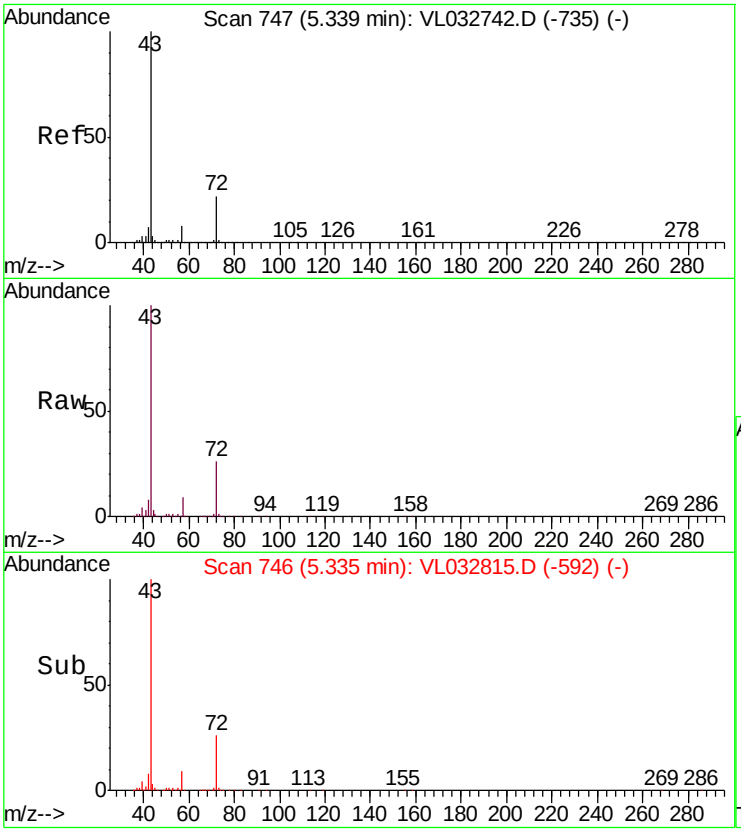


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion:114 Resp: 3355503

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.9	31.3
88	18.1	14.4	21.6



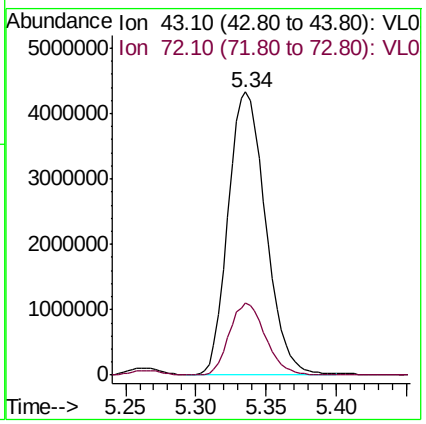


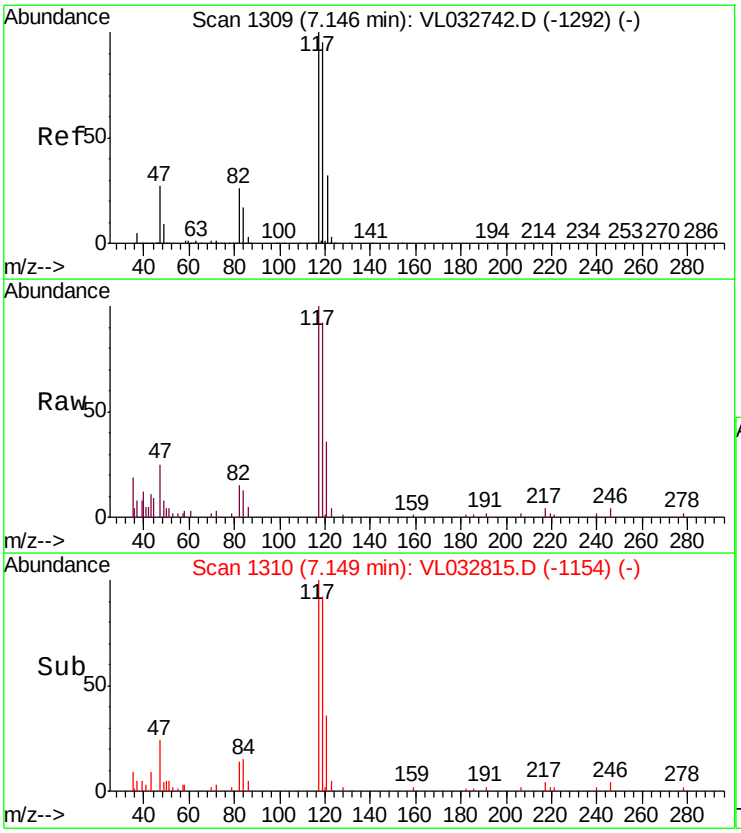
#34
2-Butanone
Concen: 46.351 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 43 Resp: 8066789

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.4	27.6

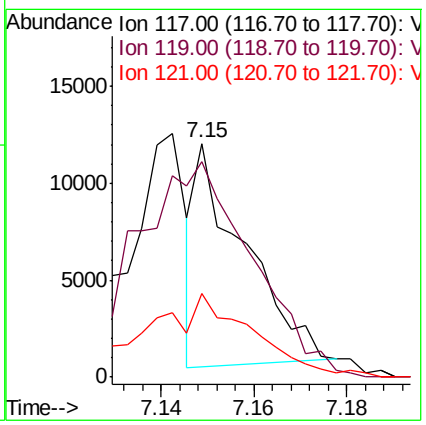


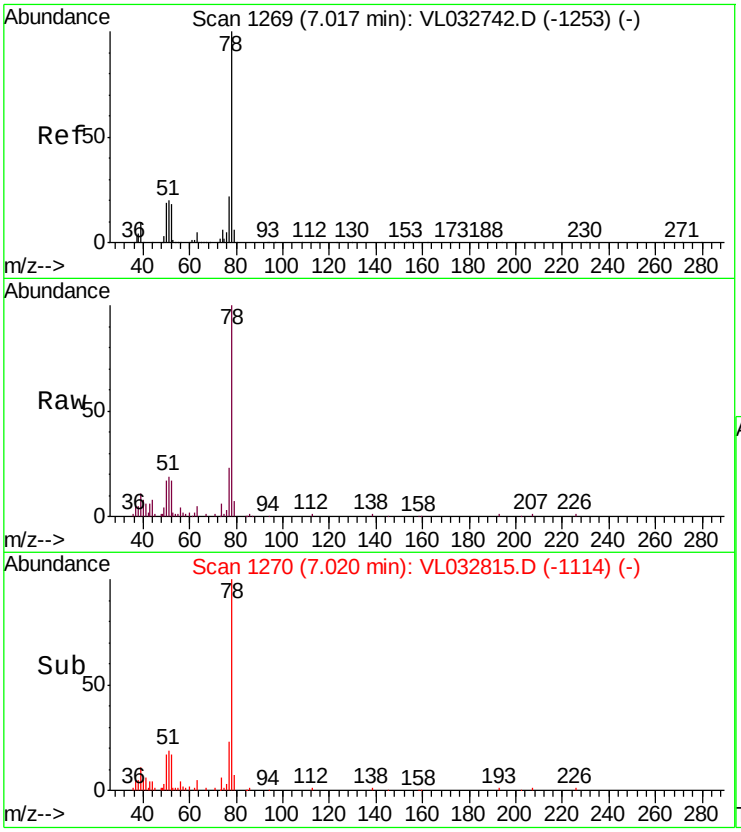


#35
Carbon Tetrachloride
Concen: 0.031 ppbv
RT: 7.15 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion:117 Resp: 8407

Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.1	114.1
121	36.7	25.4	38.0



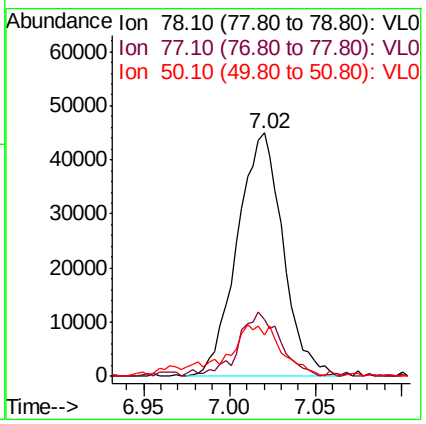


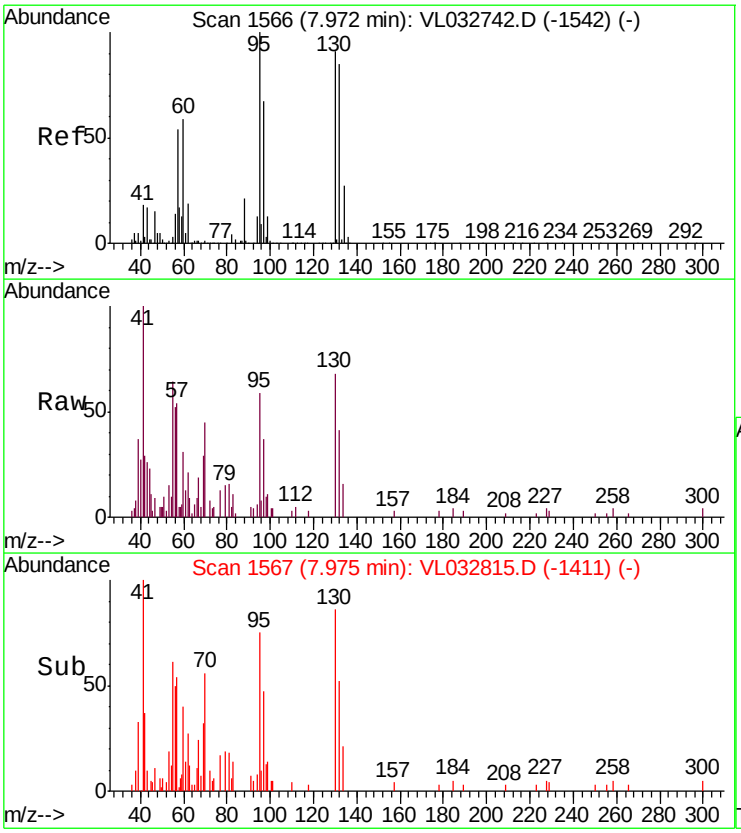
#36
Benzene
Concen: 0.311 ppbv
RT: 7.02 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 78 Resp: 83058

Ion	Ratio	Lower	Upper
78	100		
77	22.4	17.8	26.8
50	16.3	15.4	23.0

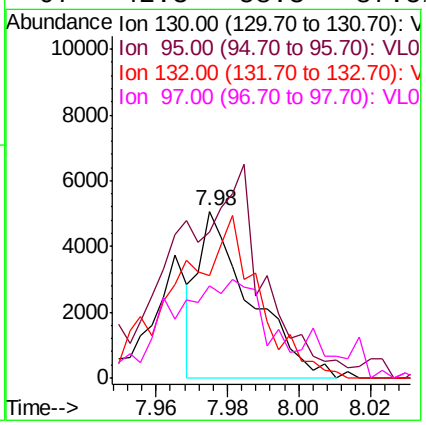


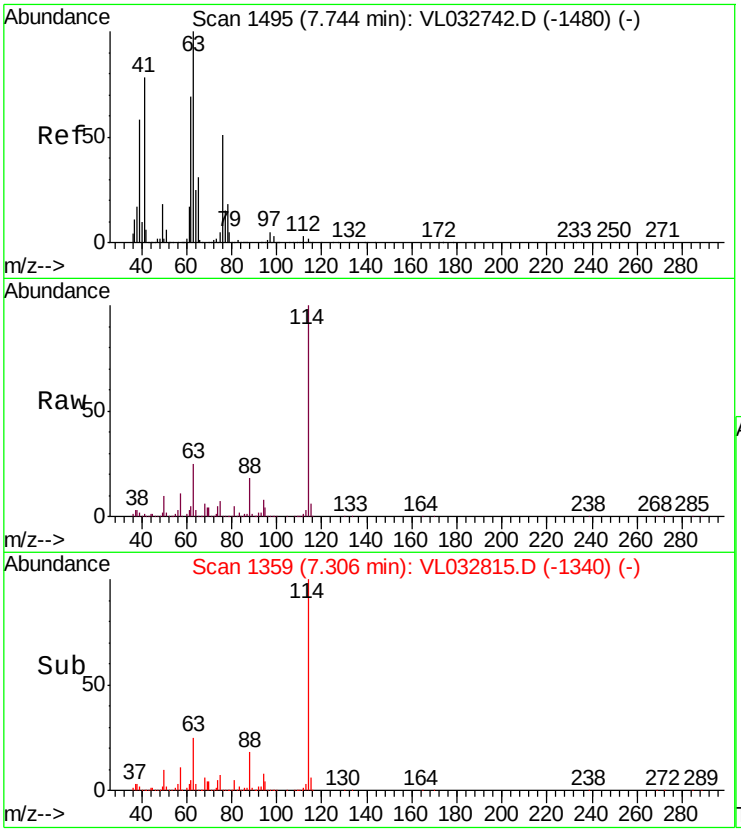


#38
Trichloroethene
Concen: 0.047 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion:130 Resp: 5111

Ion	Ratio	Lower	Upper
130	100		
95	76.0	87.7	131.5#
132	57.2	74.6	111.8#
97	42.3	58.3	87.5#



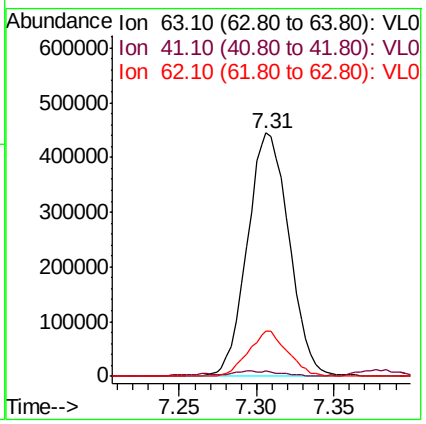


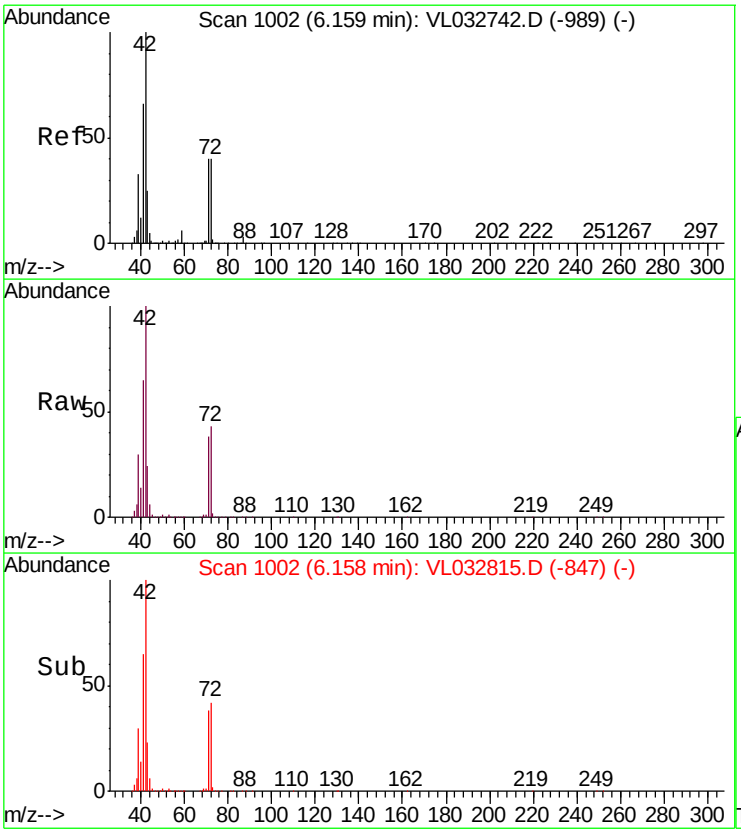
#39
1,2-Dichloropropane
Concen: 8.188 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.44 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 63 Resp: 833595

Ion	Ratio	Lower	Upper
63	100		
41	1.7	62.0	93.0#
62	18.7	55.4	83.2#

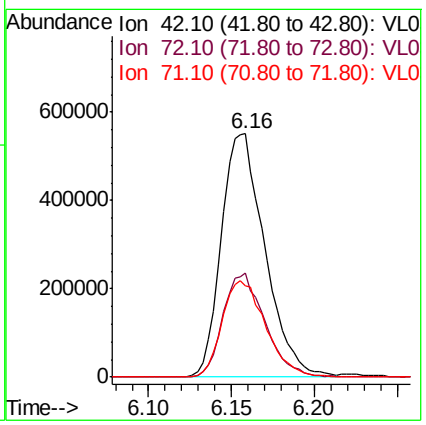


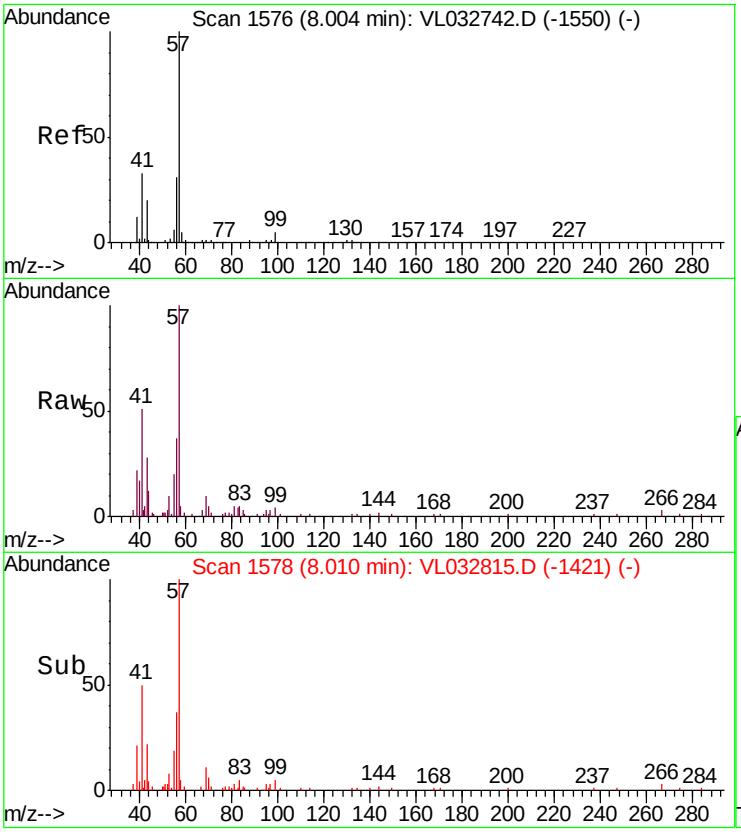


#41
Tetrahydrofuran
Concen: 10.022 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 42 Resp: 1000442

Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.4	48.6
71	40.0	31.6	47.4



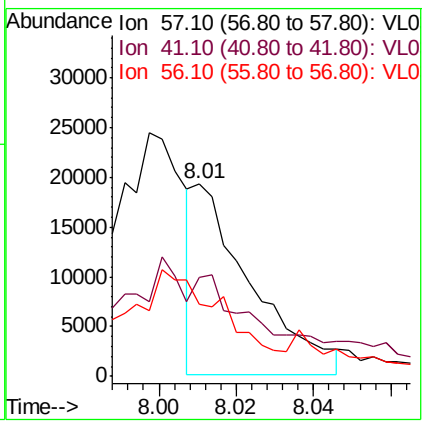


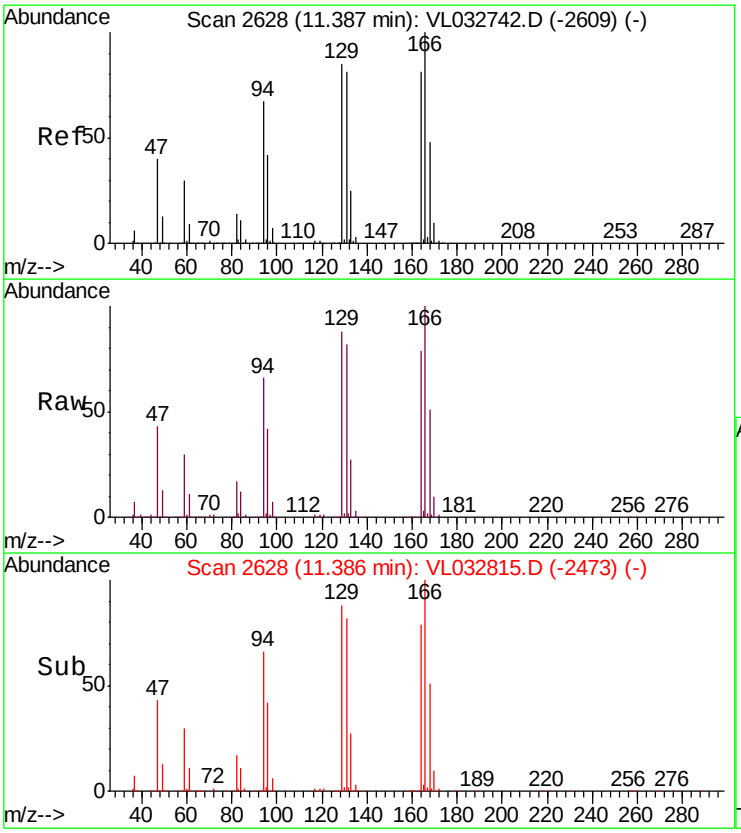
#44
2,2,4-Trimethylpentane
Concen: 0.044 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 57 Resp: 19686

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.6	39.8#
56	0.0	24.8	37.2#

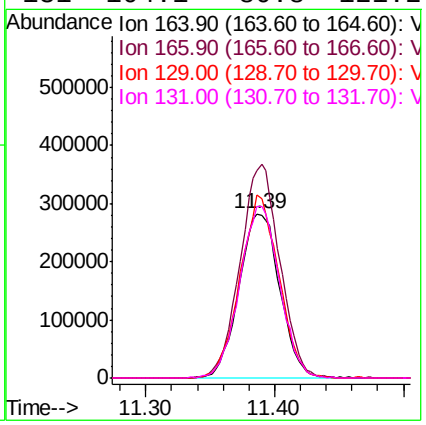


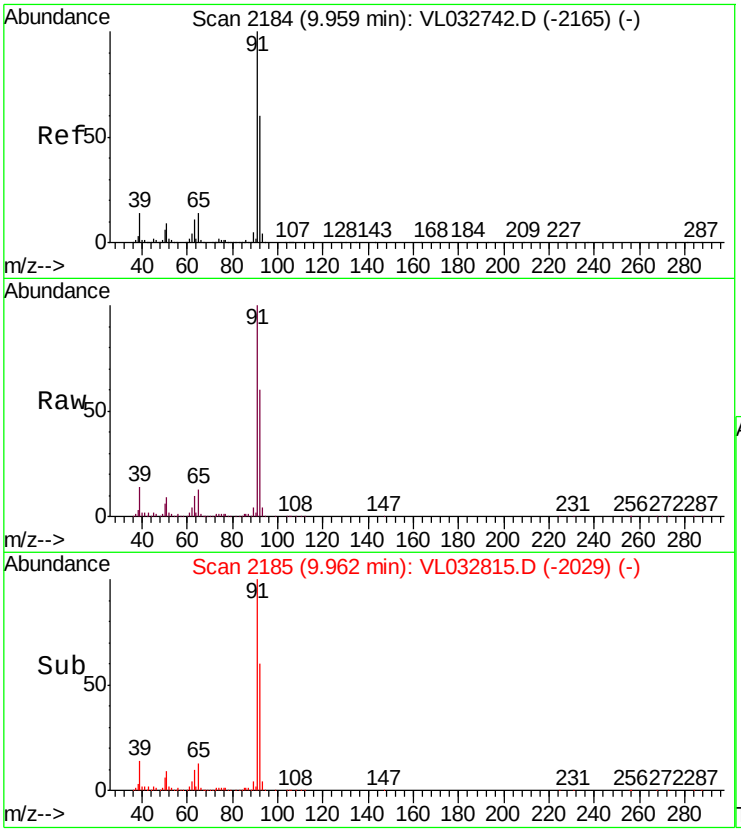


#52
Tetrachloroethene
Concen: 6.672 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion:164 Resp: 620153

Ion	Ratio	Lower	Upper
164	100		
166	126.6	99.3	148.9
129	111.2	83.9	125.9
131	104.1	80.8	121.2



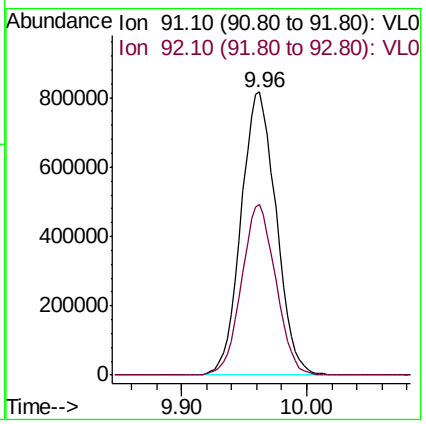


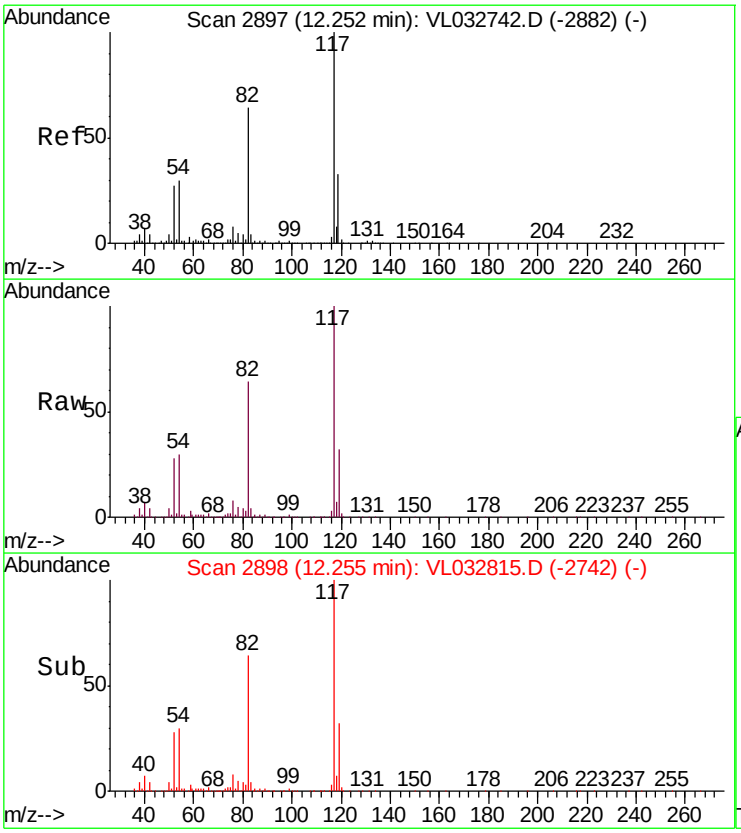
#53
Toluene
Concen: 5.698 ppbv
RT: 9.96 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 91 Resp: 1588440

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.9	71.9

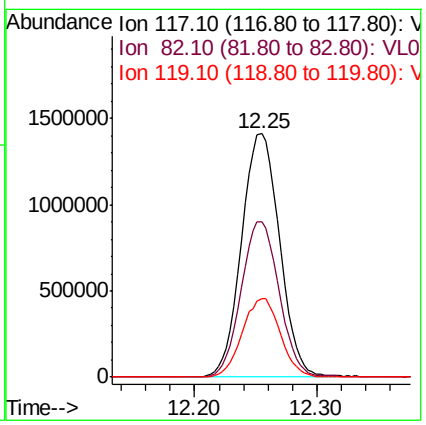


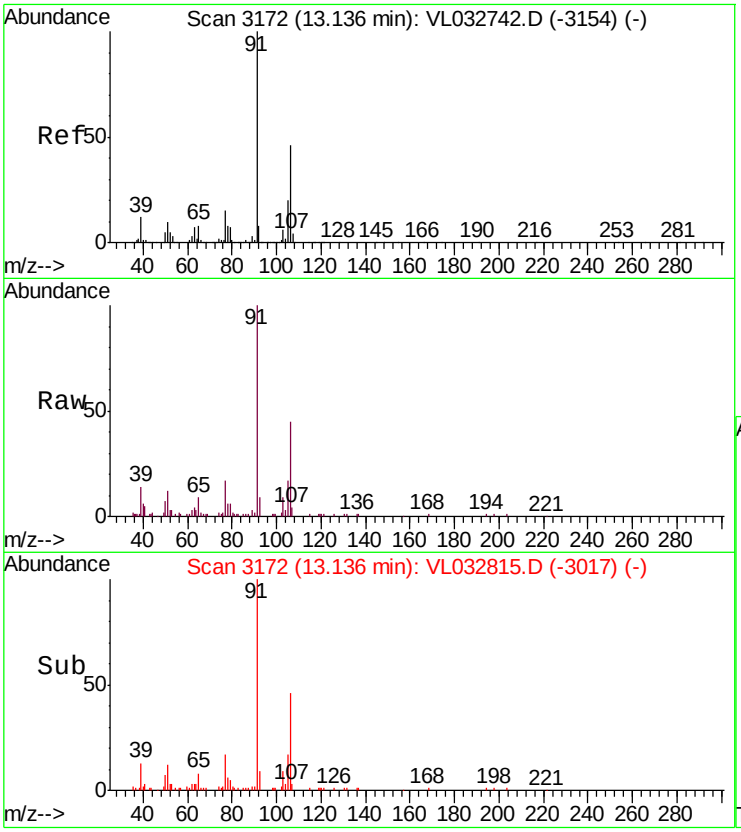


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion:117 Resp: 3043644

Ion	Ratio	Lower	Upper
117	100		
82	64.1	51.0	76.6
119	32.4	28.0	42.0



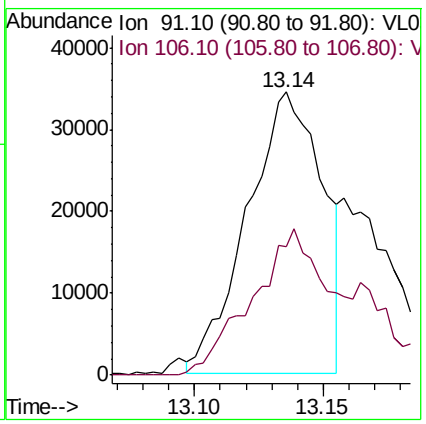


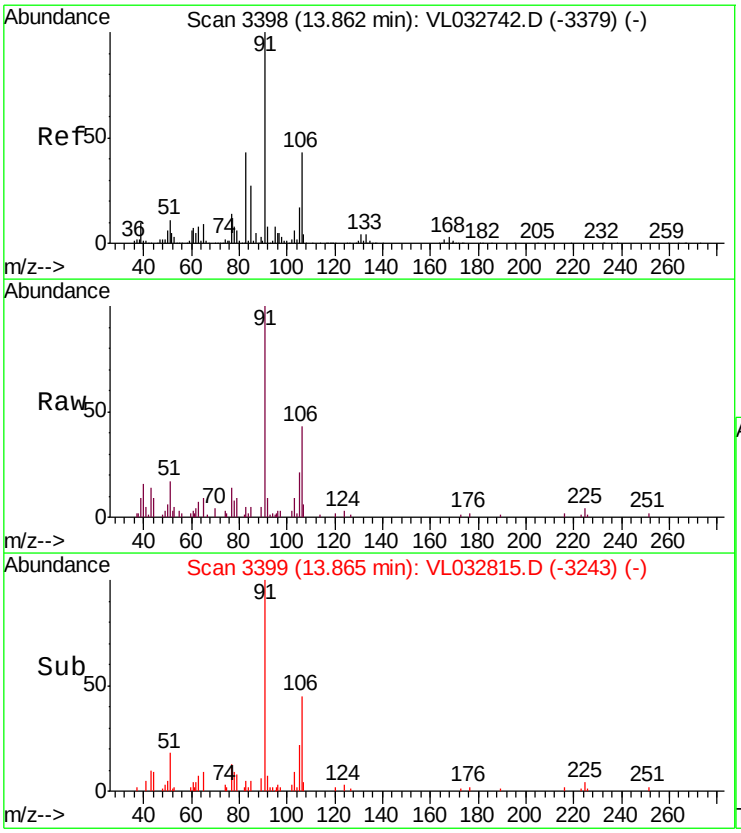
#59
m/p-Xylene
Concen: 0.214 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 91 Resp: 69908

Ion	Ratio	Lower	Upper
91	100		
106	69.1	36.1	54.1#

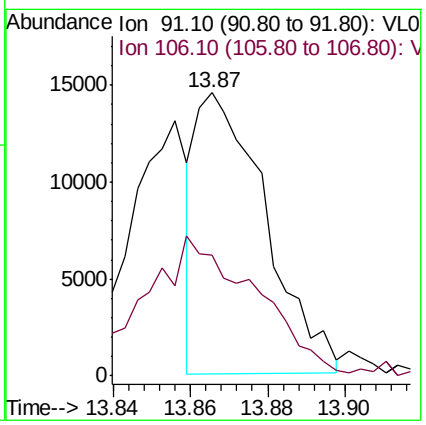


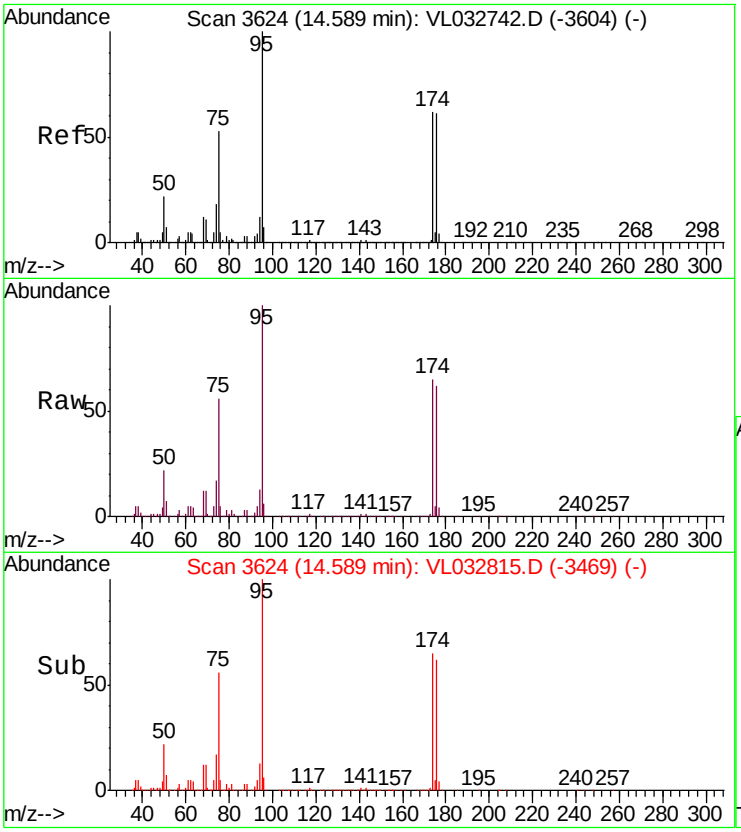


#60
o-Xylene
Concen: 0.055 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion: 91 Resp: 18043

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.7#



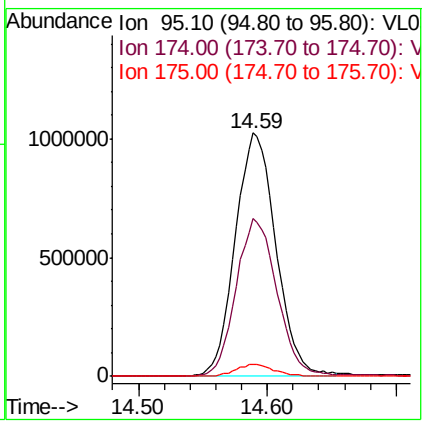


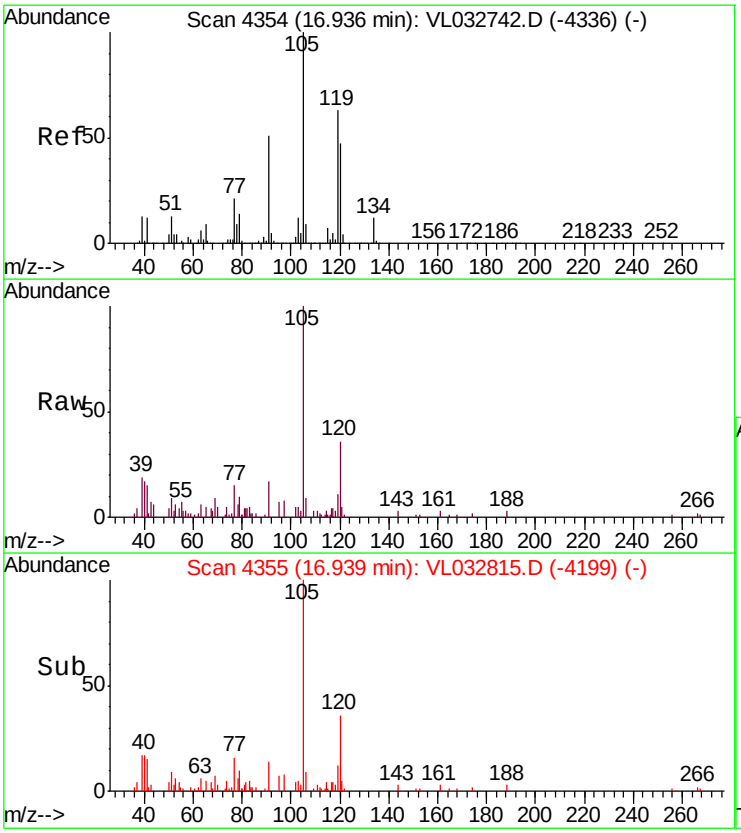
#68
1-Bromo-4-Fluorobenzene
Concen: 9.880 ppbv
RT: 14.59 min Scan# 3624
Delta R.T. -0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Instrument :
MSVOA_L
ClientSampleId :
EP2-SV-01

Tgt Ion: 95 Resp: 2249202

Ion	Ratio	Lower	Upper
95	100		
174	66.2	50.7	76.1
175	4.8	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.079 ppbv
RT: 16.94 min Scan# 4355
Delta R.T. 0.00 min
Lab File: VL032815.D
Acq: 27 Nov 2018 20:12

Tgt Ion:105 Resp: 29563

Ion	Ratio	Lower	Upper
105	100		
120	36.0	37.6	56.4#
91	14.7	42.5	63.7#
77	11.0	17.4	26.2#