Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\

Quantitation Report (Not Reviewed)

Data File : VL032899.D
Acq On : 5 Dec 2018 5:54
Operator : SY/AP
Sample : J6177-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSV-6DL

Quant Time: Dec 05 08:28:37 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	5.76	49	1472539	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3608779	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3662605	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2664587	9.73	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	10100	0.048	ppbv		94
3) Chlorodifluoromethane	3.02	51	6946	0.059	ppbv	#	90
9) Propene	3.04	41	83331	1.784	ppbv		98
13) Ethanol	3.66	45	26926	1.760	ppbv	#	23
15) Acetone	3.90	43	1076415	8.005	ppbv		92
16) 1,3-Butadiene	3.35	39	134676	2.586	ppbv	#	13
20) Methylene Chloride	4.41	84	13984	0.201	ppbv	#	92
23) Vinyl Acetate	5.26	43	17142	0.070	ppbv	#	20
25) Ethyl Acetate	5.78	43	17163	0.055	ppbv	#	88
26) Hexane	5.78	57	11926	0.085	ppbv	#	1
27) Carbon Disulfide	4.63	76	19800	0.112	ppbv	#	66
34) 2-Butanone	5.33	43	1027886	5.492	ppbv		99
36) Benzene	7.01	78	156988	0.546	ppbv		95
39) 1,2-Dichloropropane	7.29	63	833529	7.613	ppbv	#	23
51) 2-Hexanone	10.30	43	66361	0.352	ppbv	#	99
53) Toluene	9.95	91	141845	0.473	ppbv		98
58) Ethyl Benzene	12.87	91	20789	0.047	ppbv		92
59) m/p-Xylene	13.13	91	23705	0.060	ppbv	#	1
60) o-Xylene	13.85	91	46447	0.118	ppbv		92
63) 1,1,2,2-Tetrachloroethane	13.84	83	9901	0.032	ppbv	#	39
71) 2-Chlorotoluene	15.48	91	415607	1.045	ppbv	#	44

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

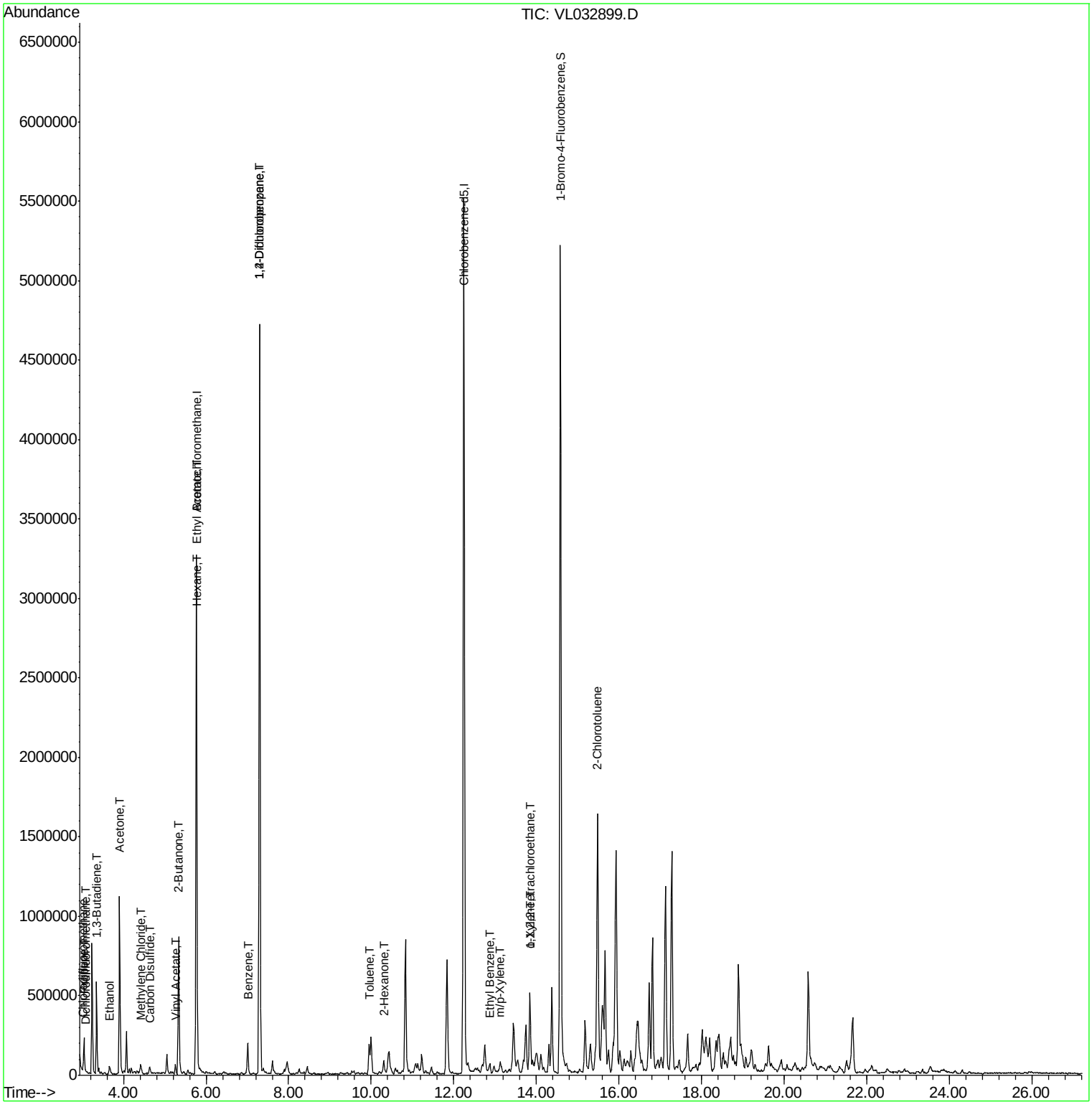
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\

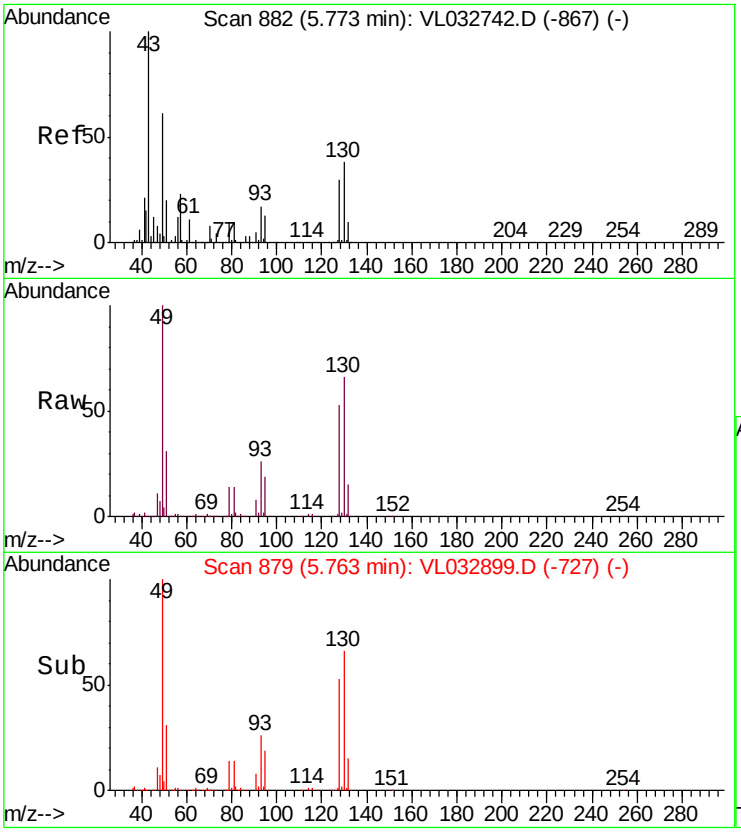
Quantitation Report (Not Reviewed)

Data File : VL032899.D
Acq On : 5 Dec 2018 5:54
Operator : SY/AP
Sample : J6177-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSV-6DL

Quant Time: Dec 05 08:28:37 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



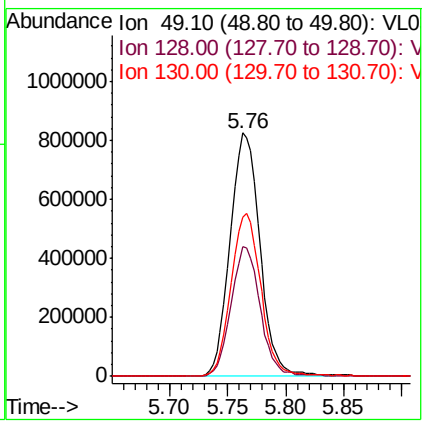


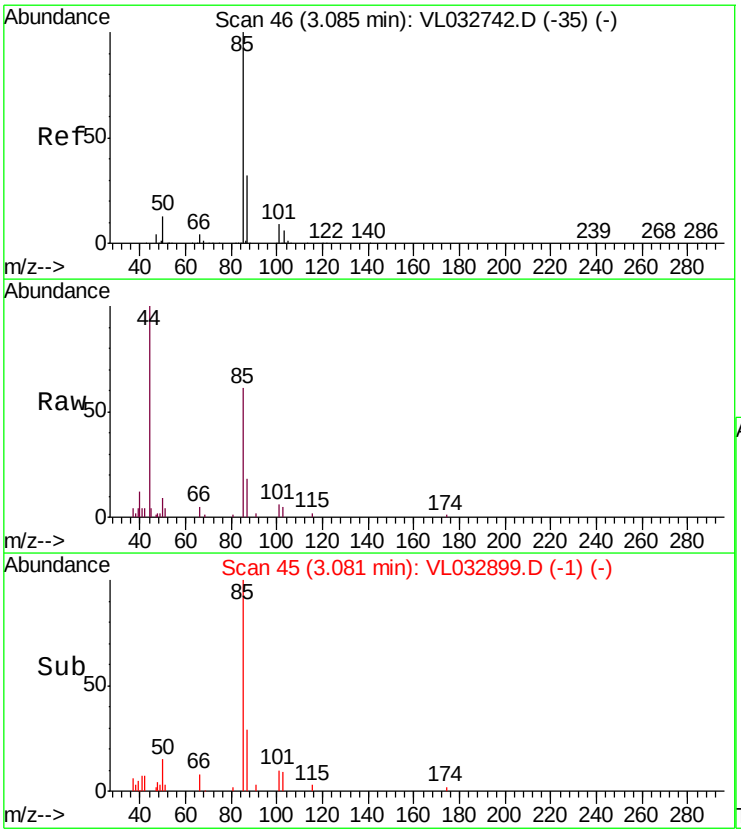
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 49 Resp: 1472539

Ion	Ratio	Lower	Upper
49	100		
128	52.2	24.9	74.6
130	67.2	31.4	94.2

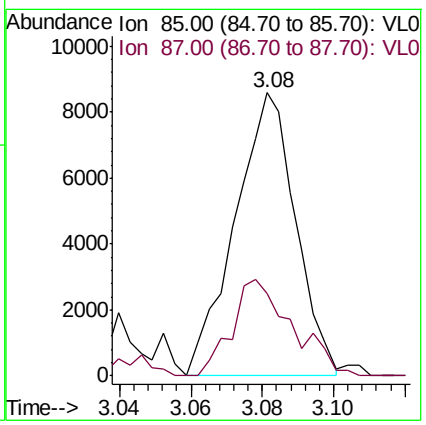


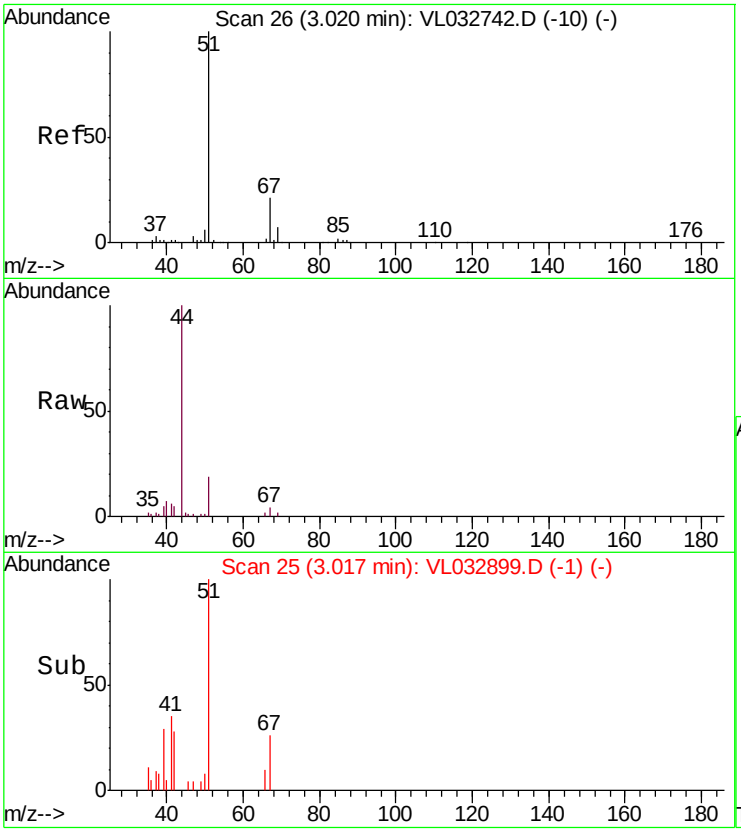


#2
Dichlorodifluoromethane
Concen: 0.048 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 85 Resp: 10100

Ion	Ratio	Lower	Upper
85	100		
87	29.1	26.0	39.0



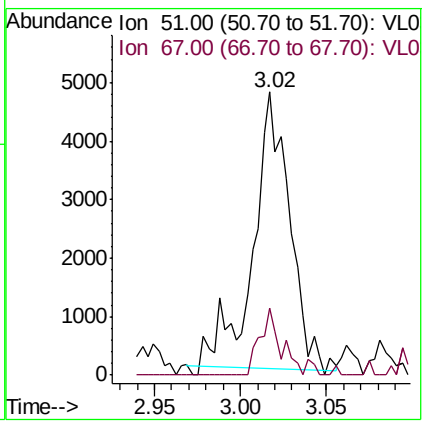


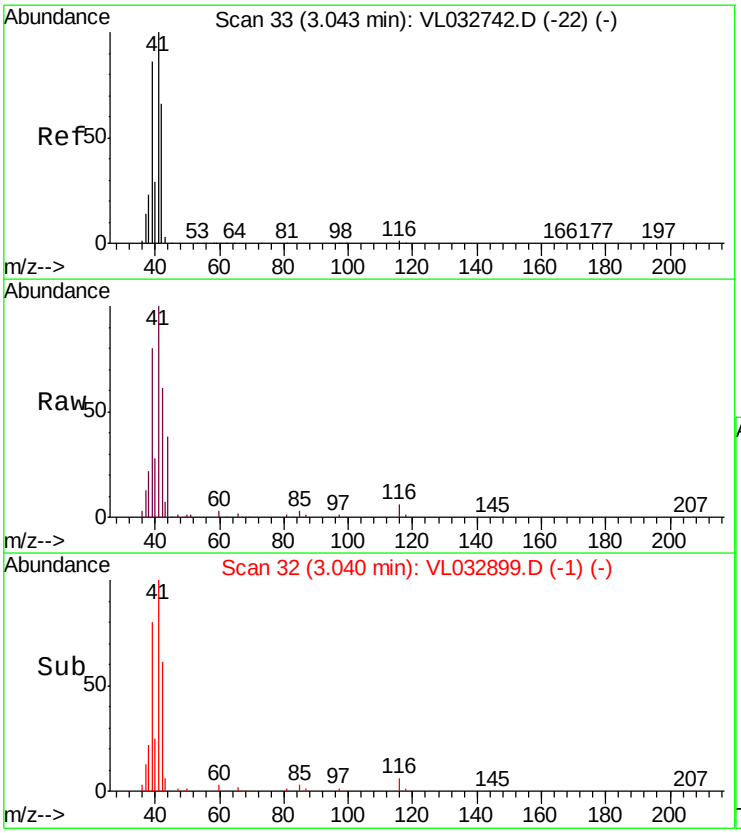
#3
Chlorodifluoromethane
Concen: 0.059 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 51 Resp: 6946

Ion	Ratio	Lower	Upper
51	100		
67	15.3	16.1	24.1#

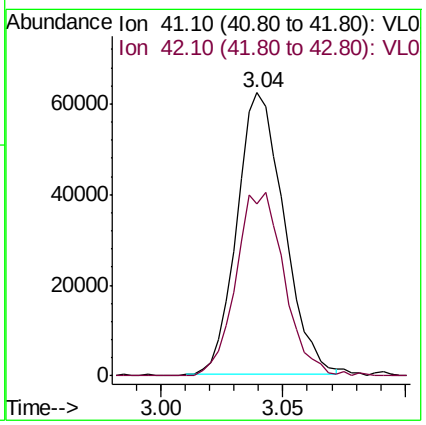


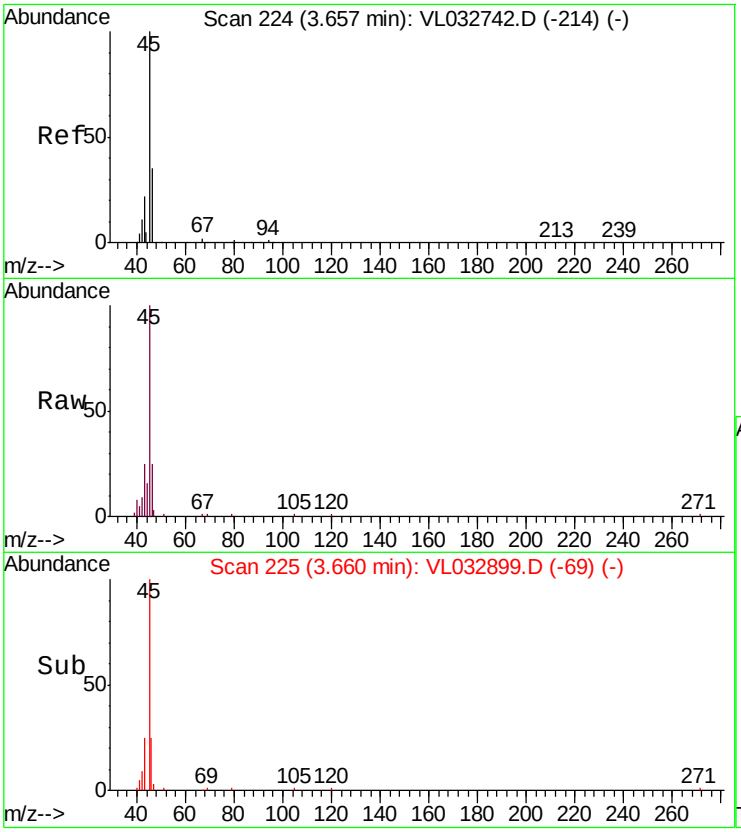


#9
Propene
Concen: 1.784 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 41 Resp: 83331

Ion	Ratio	Lower	Upper
41	100		
42	67.0	55.0	82.6



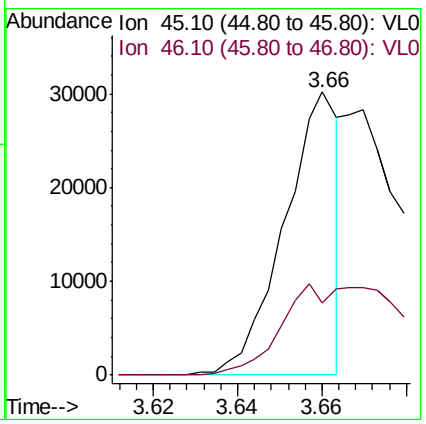


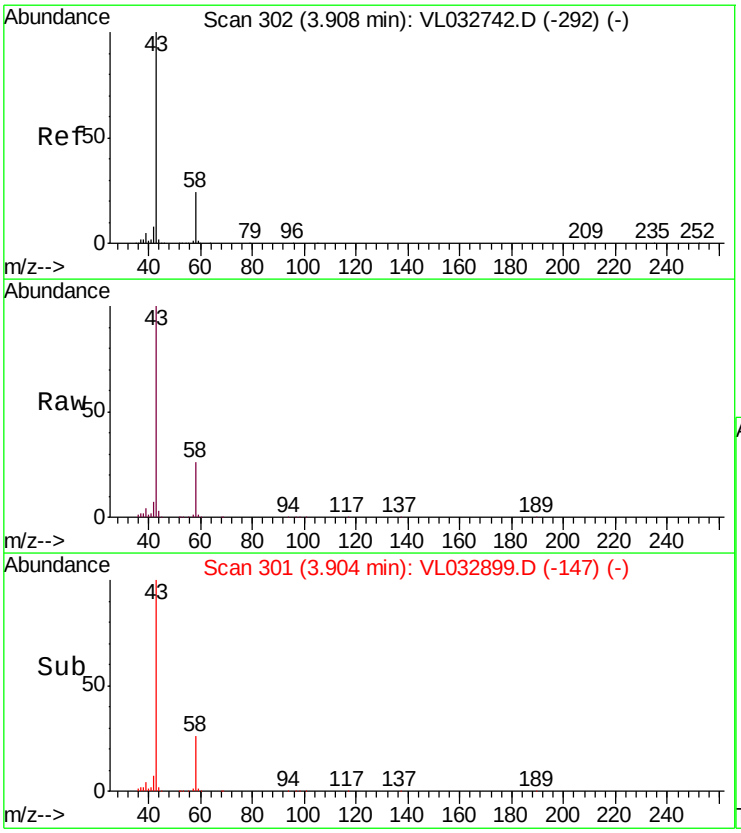
#13
Ethanol
Concen: 1.760 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 45 Resp: 26926

Ion	Ratio	Lower	Upper
45	100		
46	81.5	14.5	57.9#

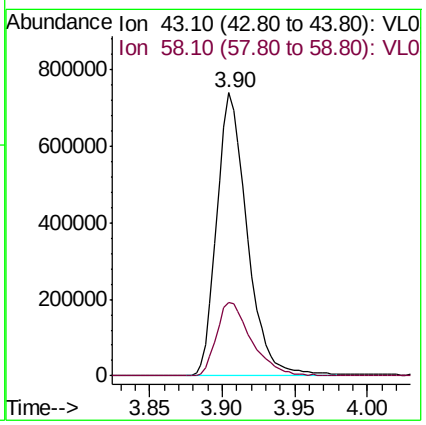


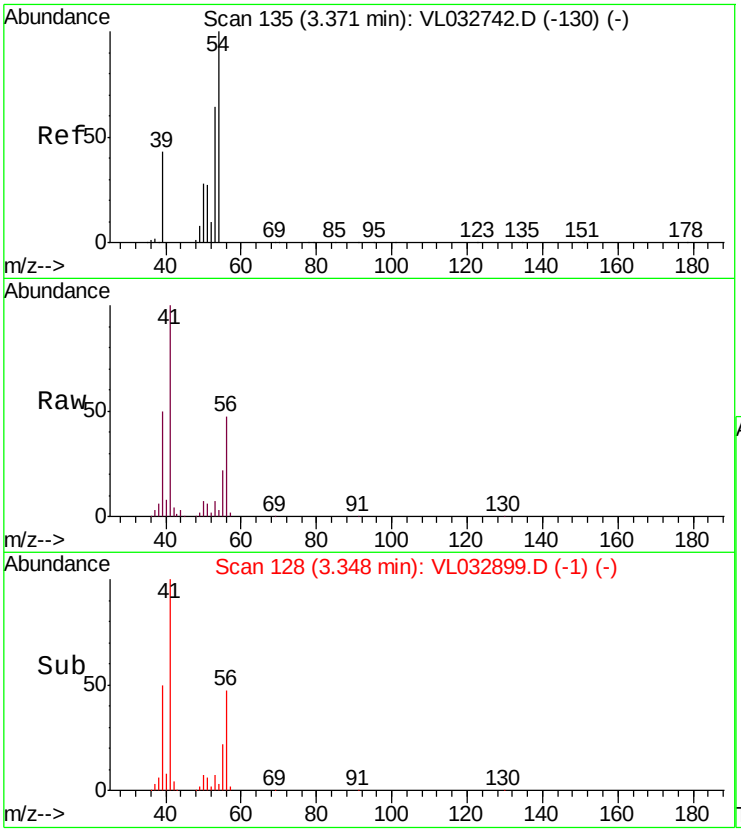


#15
Acetone
Concen: 8.005 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 43 Resp: 1076415

Ion	Ratio	Lower	Upper
43	100		
58	30.4	21.1	31.7



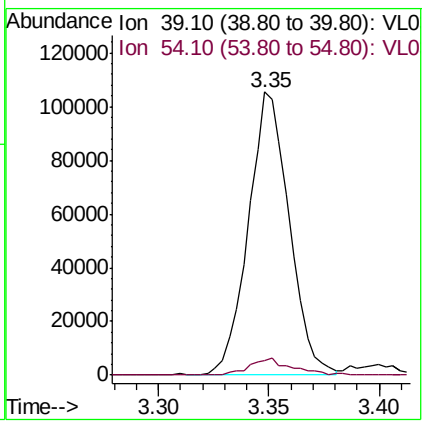


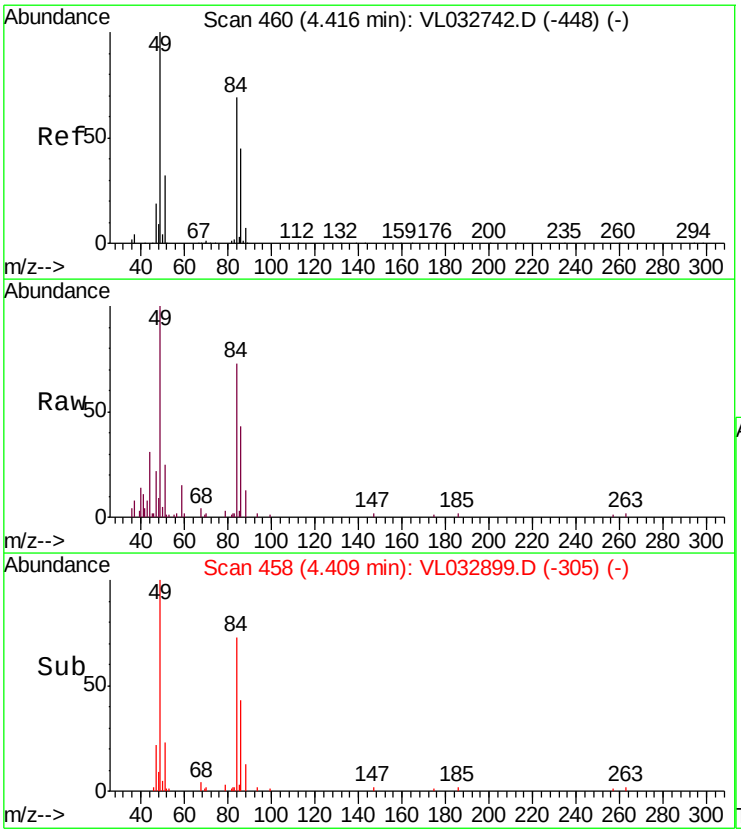
#16
1,3-Butadiene
Concen: 2.586 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument : MSVOA_L
ClientSampleId : VSV-6DL

Tgt Ion: 39 Resp: 134676

Ion	Ratio	Lower	Upper
39	100		
54	6.3	68.9	103.3#

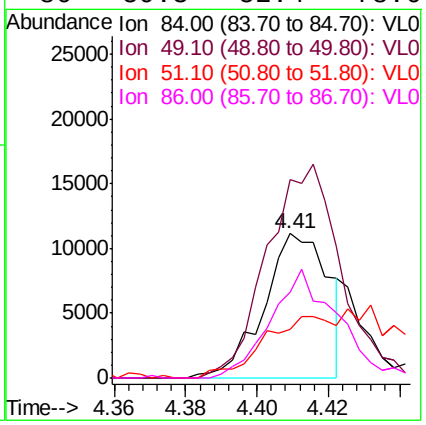


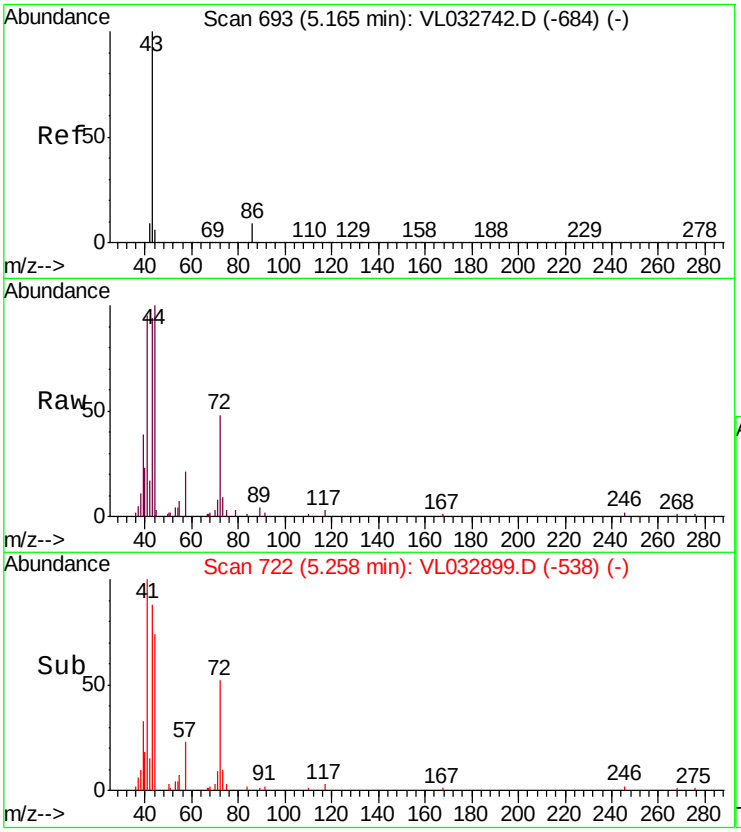


#20
Methylene Chloride
Concen: 0.201 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 84 Resp: 13984

Ion	Ratio	Lower	Upper
84	100		
49	137.3	115.8	173.6
51	35.0	36.9	55.3#
86	59.3	52.4	78.6



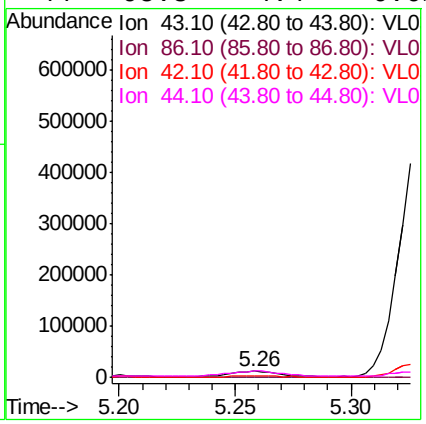


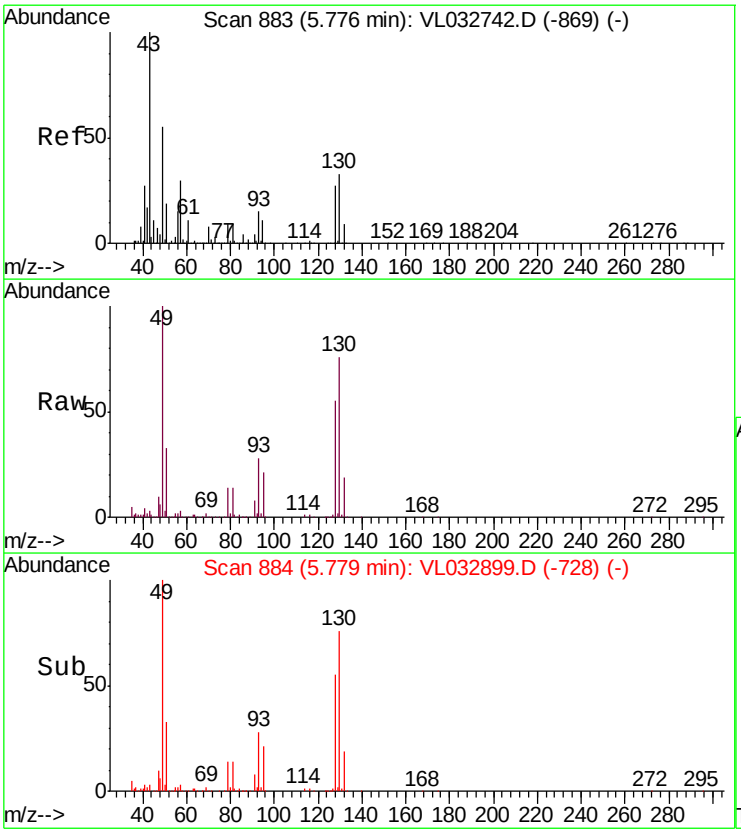
#23
Vinyl Acetate
Concen: 0.070 ppbv
RT: 5.26 min Scan# 722
Delta R.T. 0.09 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 43 Resp: 17142

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#
42	16.4	7.8	11.6#
44	95.8	4.4	6.6#

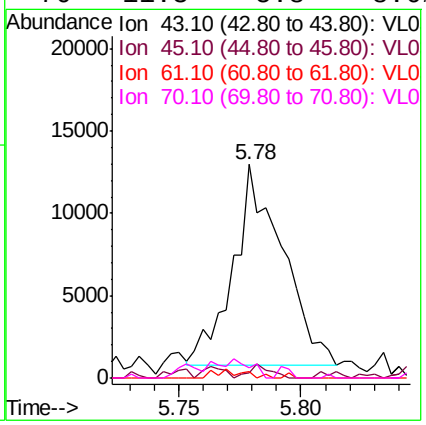


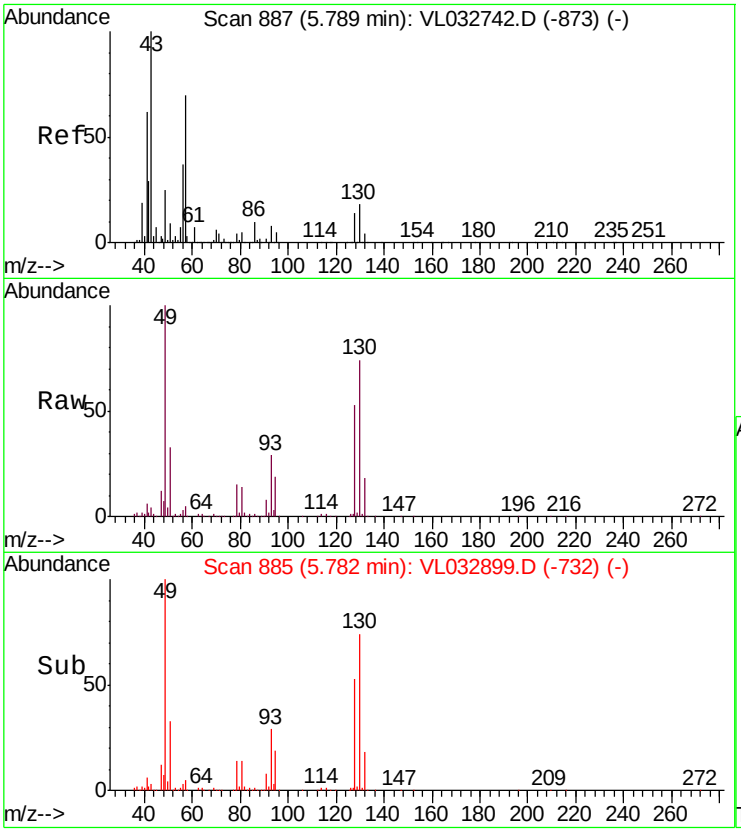


#25
Ethyl Acetate
Concen: 0.055 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 43 Resp: 17163

Ion	Ratio	Lower	Upper
43	100		
45	7.8	7.9	11.9#
61	2.9	7.8	11.6#
70	11.3	5.8	8.6#



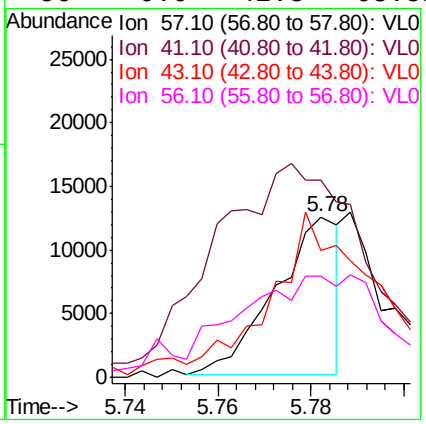


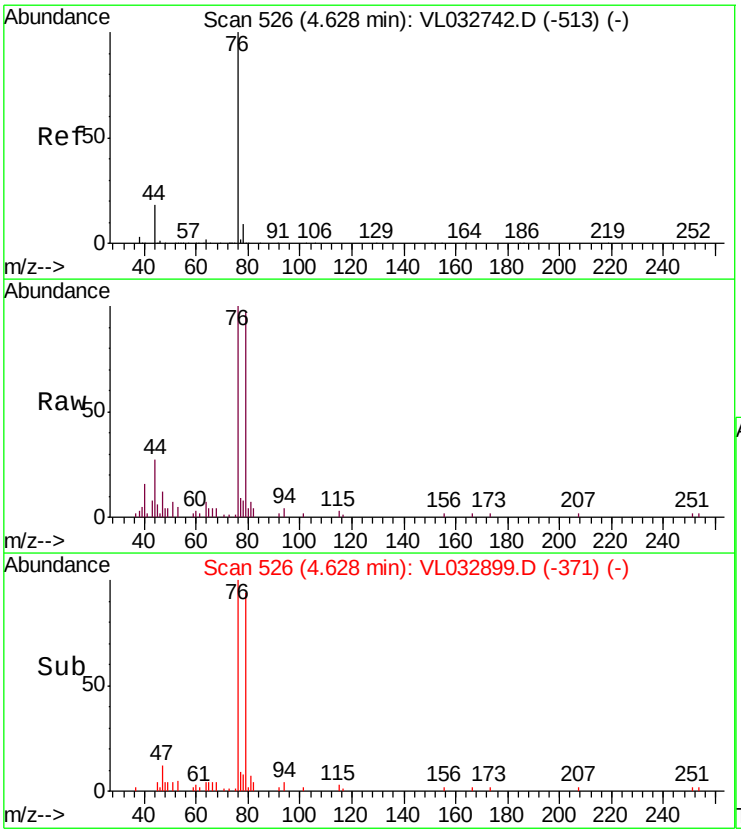
#26
Hexane
Concen: 0.085 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument : MSVOA_L
ClientSampleId : VSV-6DL

Tgt Ion: 57 Resp: 11926

Ion	Ratio	Lower	Upper
57	100		
41	336.6	70.3	105.5#
43	0.0	174.0	261.0#
56	0.0	42.3	63.5#

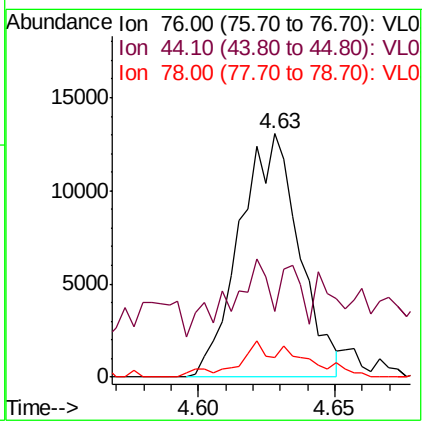


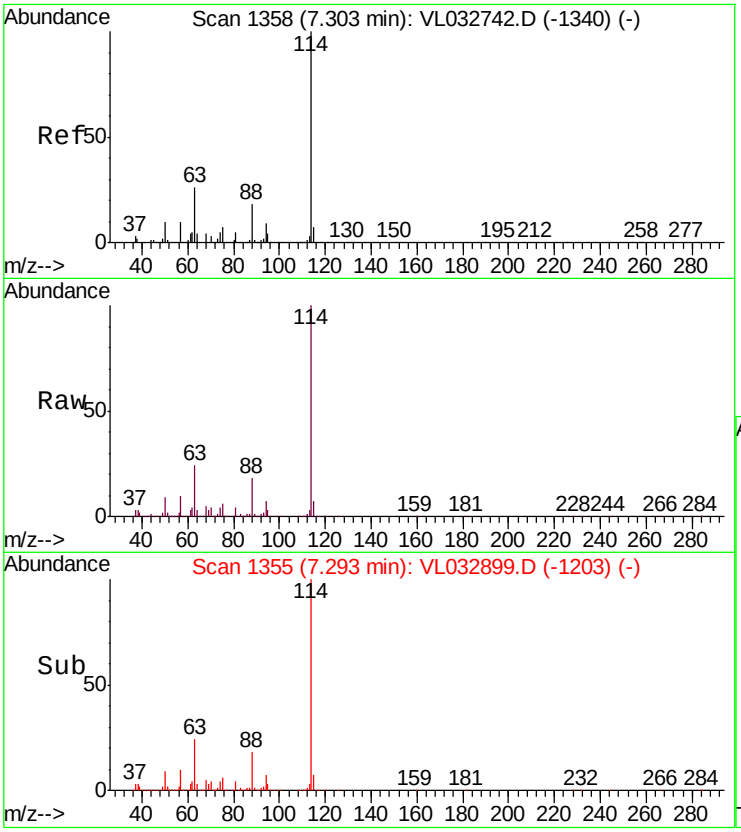


#27
Carbon Disulfide
Concen: 0.112 ppbv
RT: 4.63 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 76 Resp: 19800

Ion	Ratio	Lower	Upper
76	100		
44	37.1	14.4	21.6#
78	15.4	7.7	11.5#



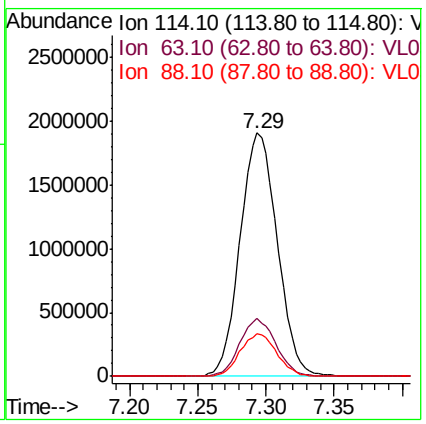


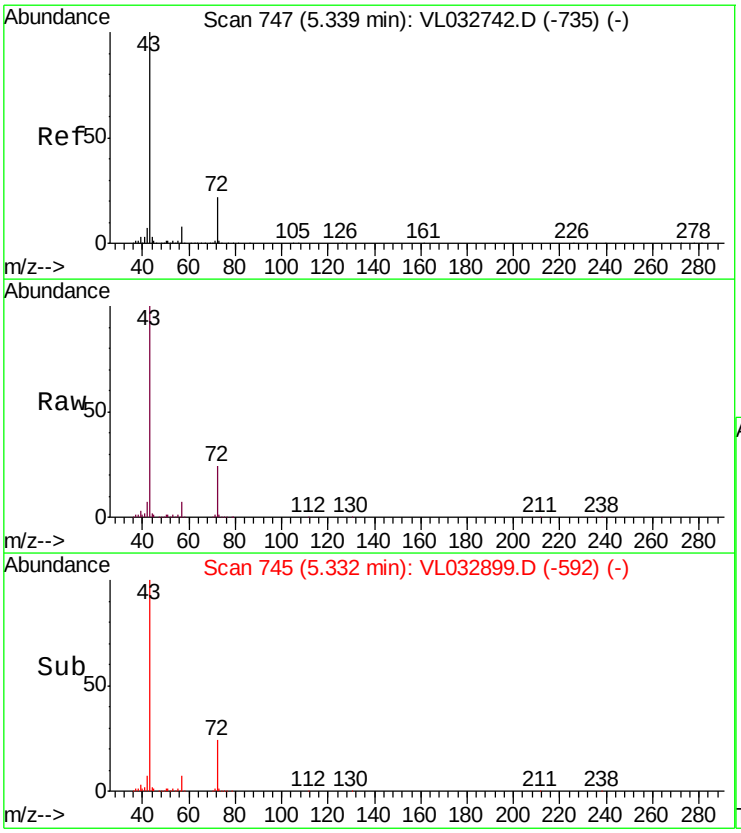
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion:114 Resp: 3608779

Ion	Ratio	Lower	Upper
114	100		
63	23.3	20.9	31.3
88	17.3	14.4	21.6

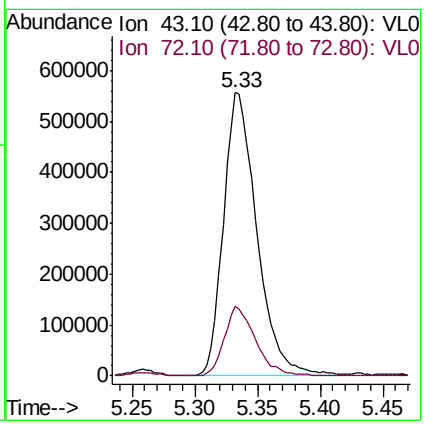


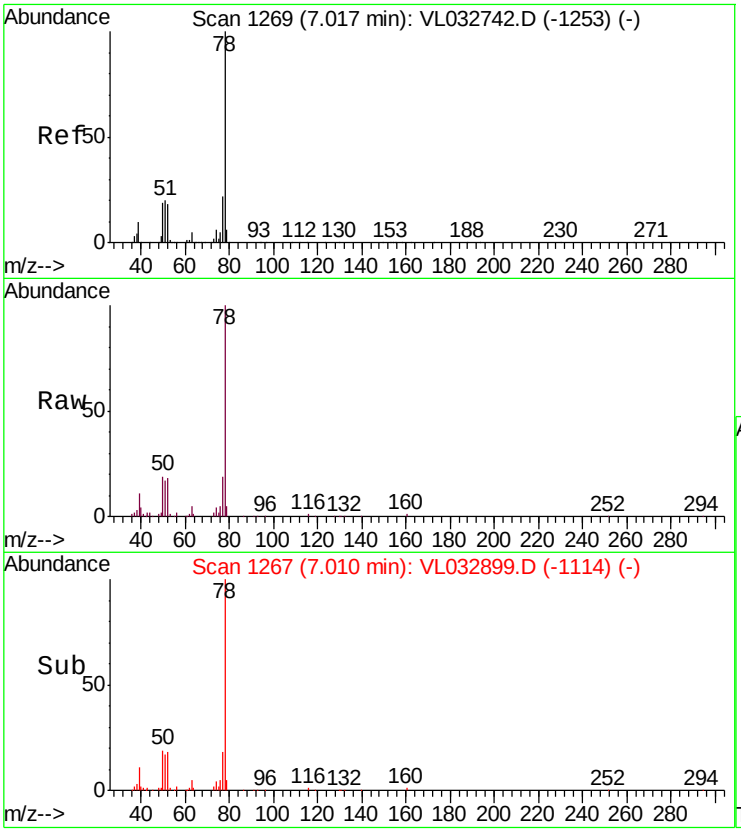


#34
2-Butanone
Concen: 5.492 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 43 Resp: 1027886

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.4	27.6



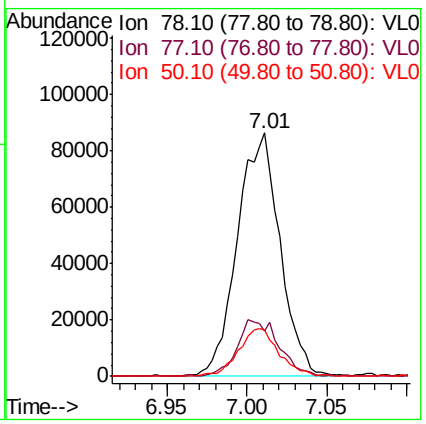


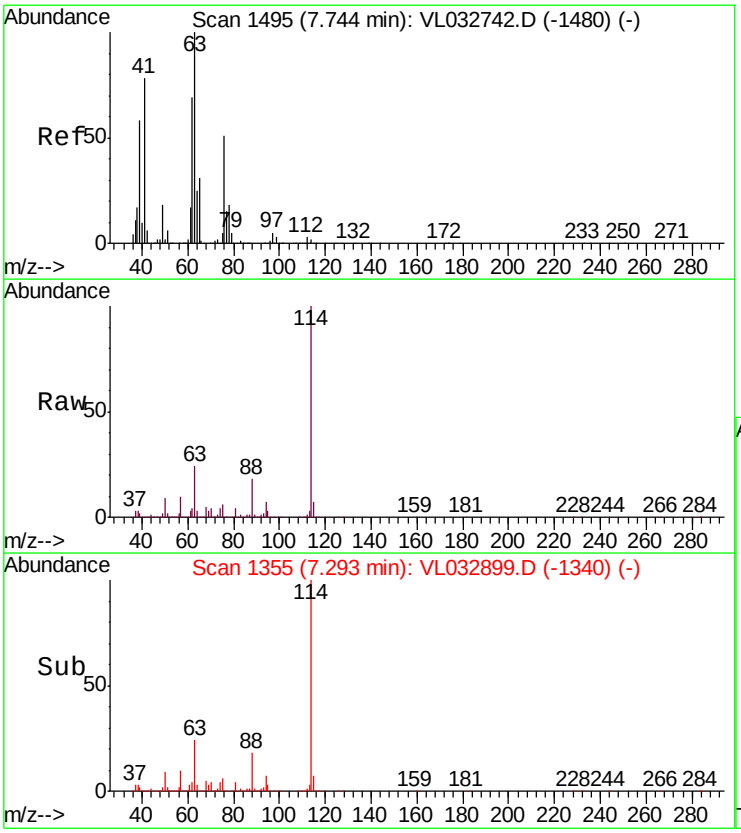
#36
Benzene
Concen: 0.546 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument : MSVOA_L
ClientSampleId : VSV-6DL

Tgt Ion: 78 Resp: 156988

Ion	Ratio	Lower	Upper
78	100		
77	18.3	17.8	26.8
50	18.9	15.4	23.0

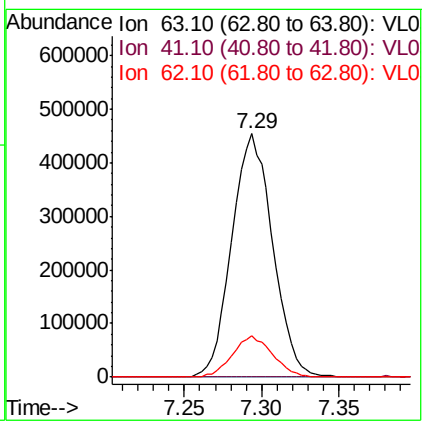


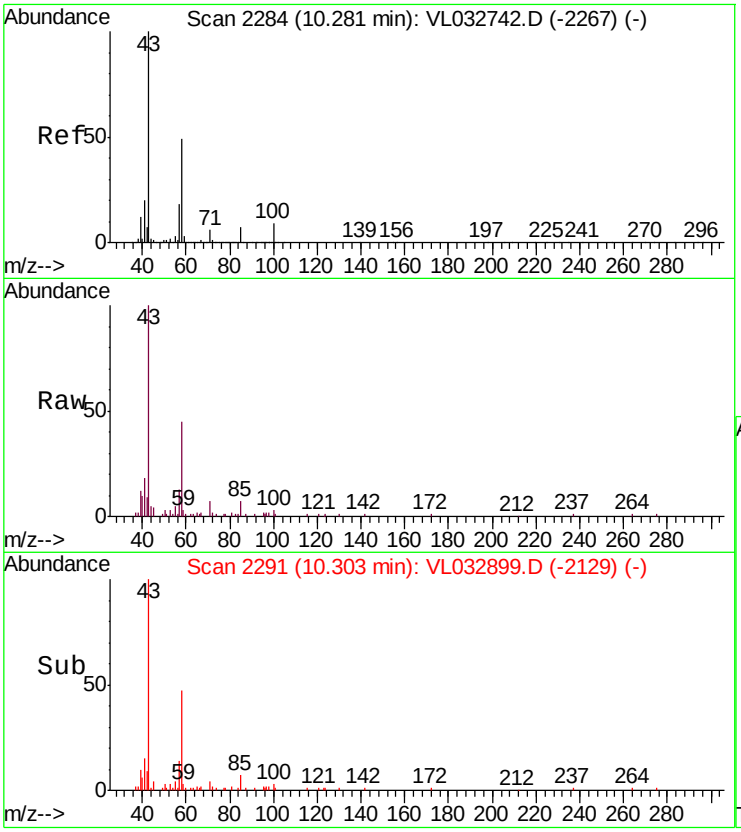


#39
1,2-Dichloropropane
Concen: 7.613 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 63 Resp: 833529

Ion	Ratio	Lower	Upper
63	100		
41	0.3	62.0	93.0#
62	17.2	55.4	83.2#



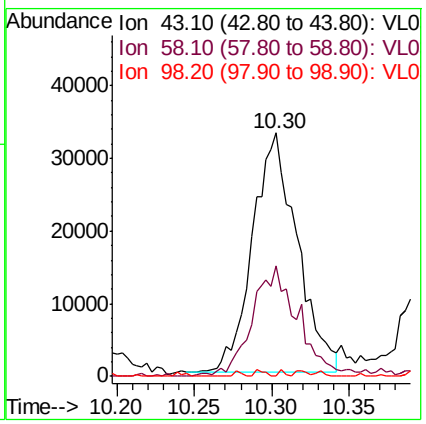


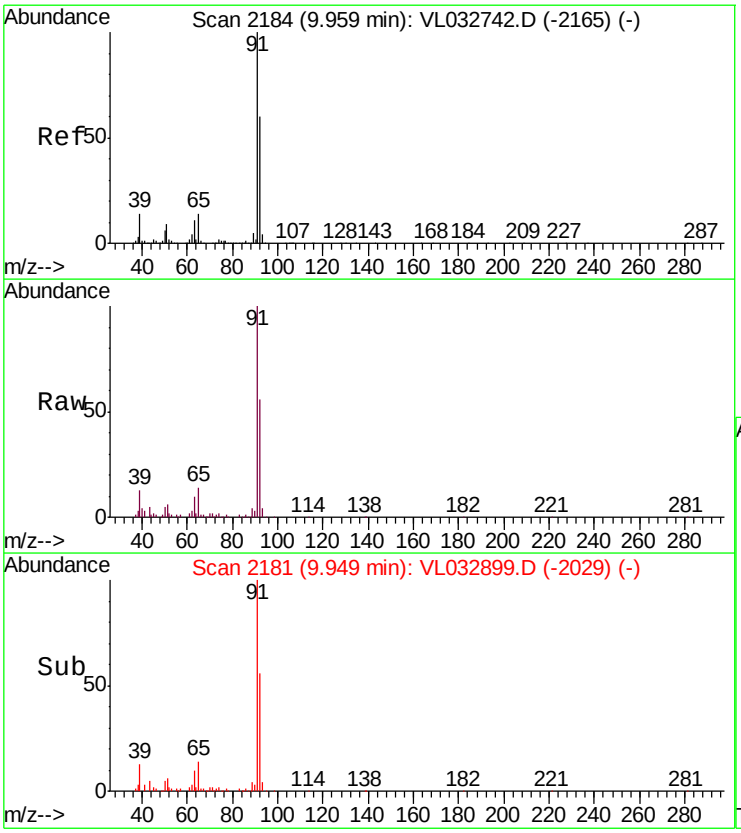
#51
2-Hexanone
Concen: 0.352 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 43 Resp: 66361

Ion	Ratio	Lower	Upper
43	100		
58	49.4	38.9	58.3
98	1.9	0.2	0.4#

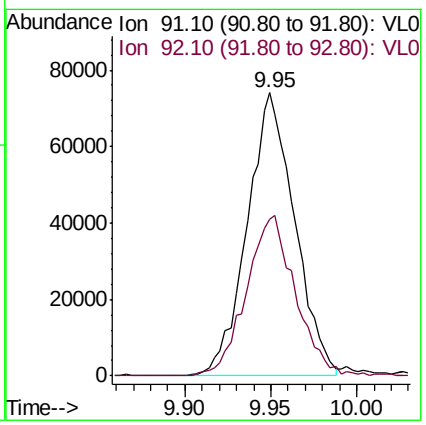


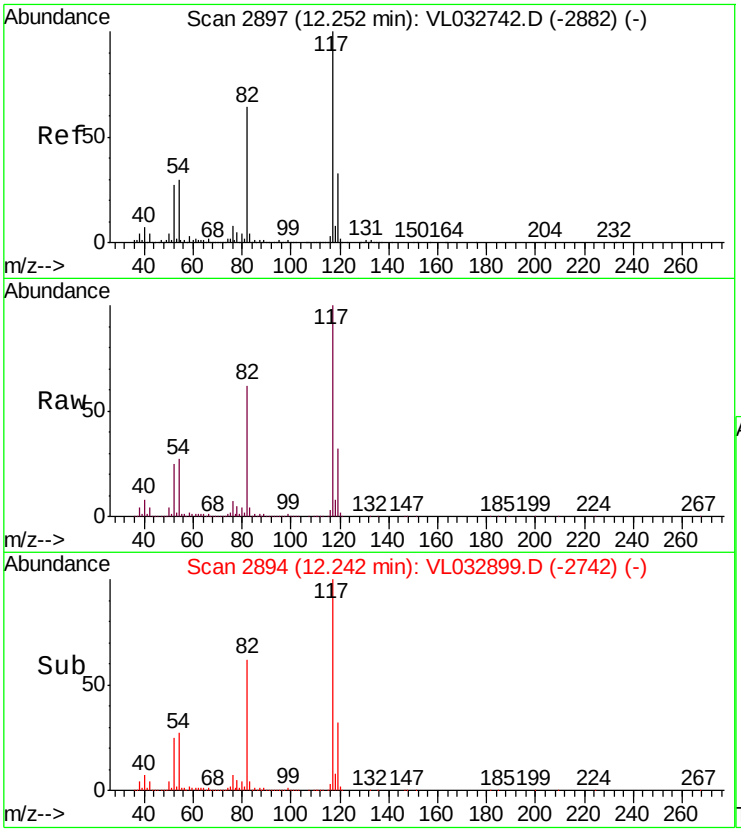


#53
Toluene
Concen: 0.473 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 91 Resp: 141845

Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.9	71.9



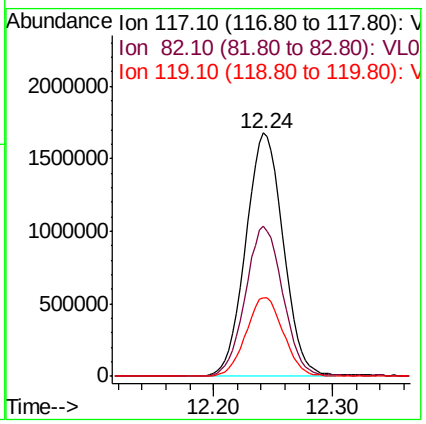


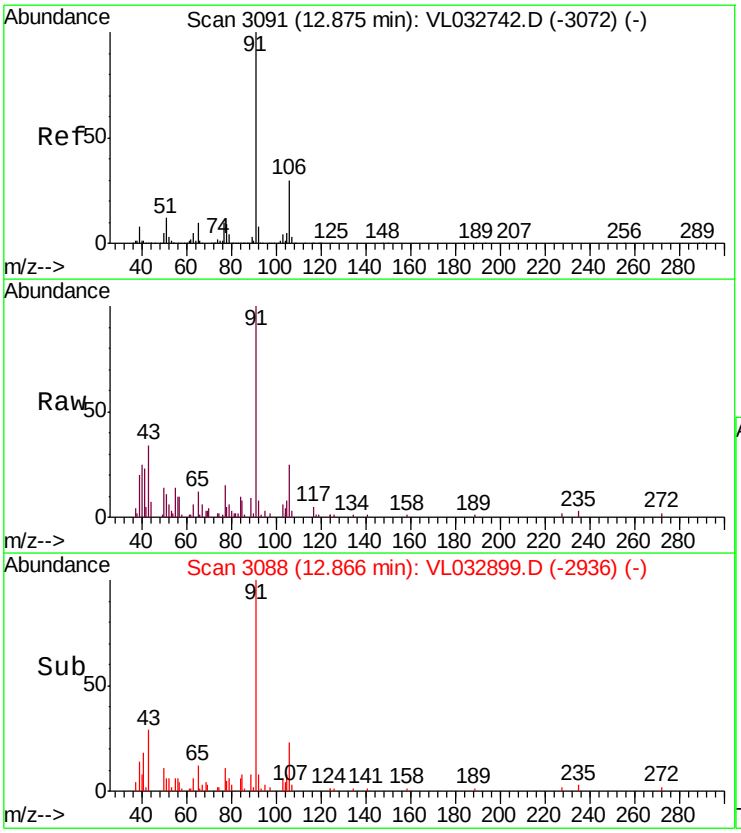
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion:117 Resp: 3662605

Ion	Ratio	Lower	Upper
117	100		
82	61.7	51.0	76.6
119	32.5	28.0	42.0

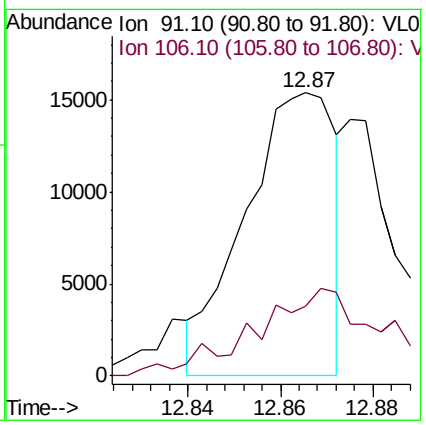


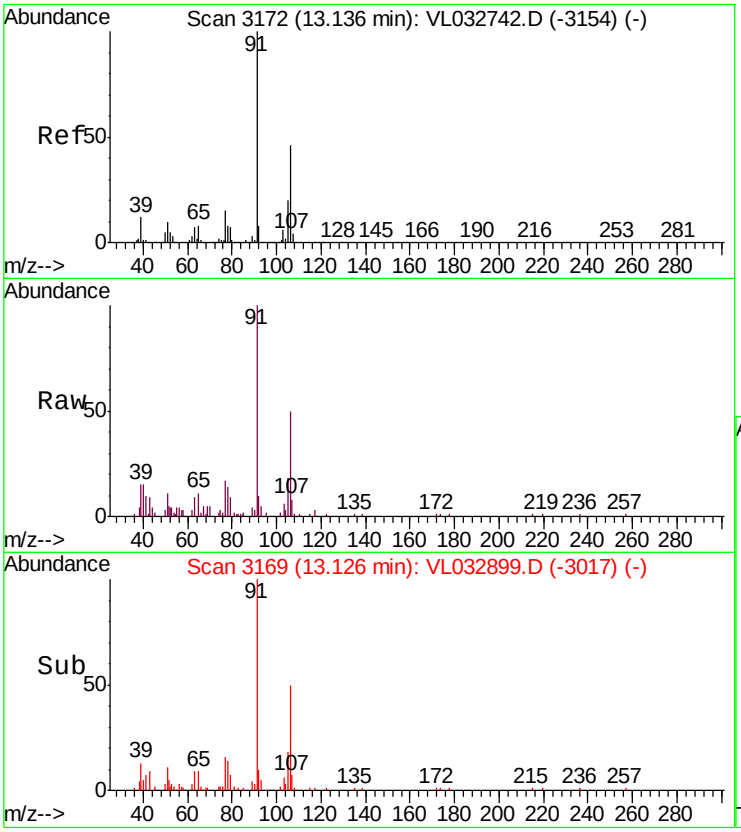


#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 91 Resp: 20789

Ion	Ratio	Lower	Upper
91	100		
106	25.1	23.6	35.4



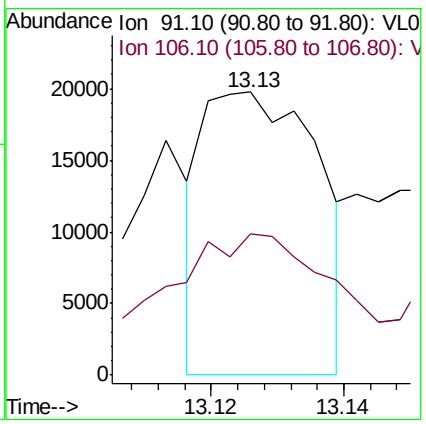


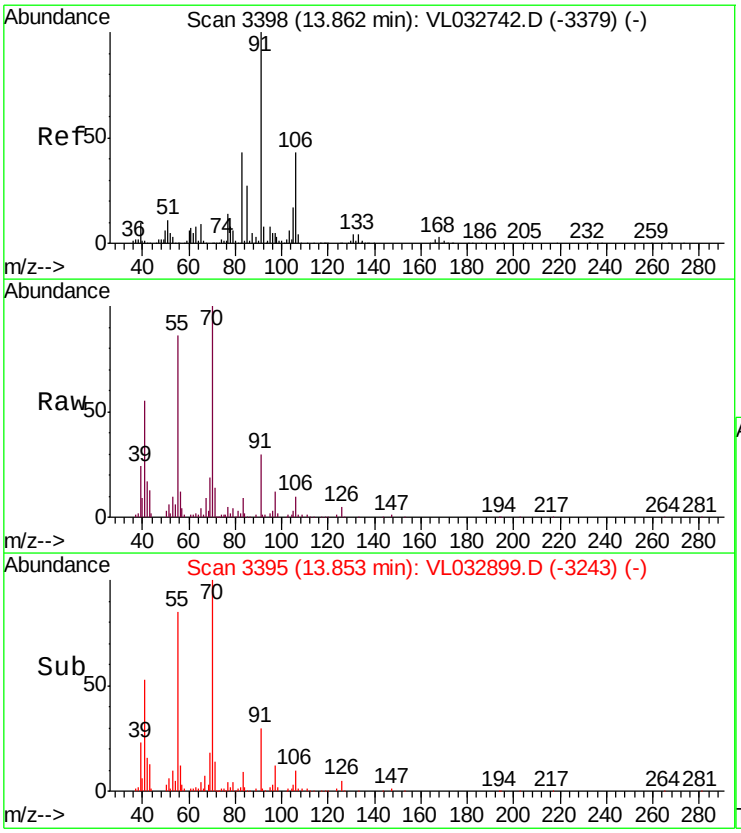
#59
m/p-Xylene
Concen: 0.060 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 91 Resp: 23705

Ion	Ratio	Lower	Upper
91	100		
106	113.9	36.1	54.1#

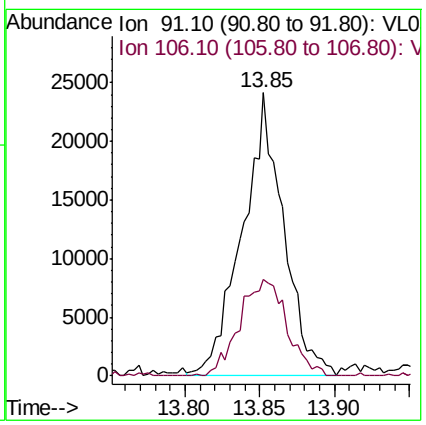


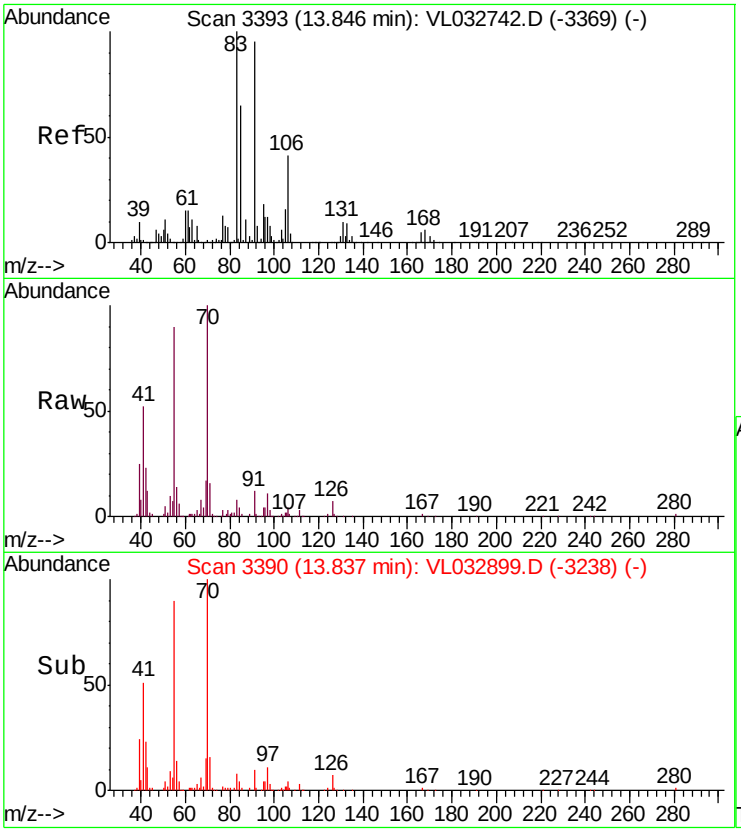


#60
o-Xylene
Concen: 0.118 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 91 Resp: 46447

Ion	Ratio	Lower	Upper
91	100		
106	38.9	21.9	65.7



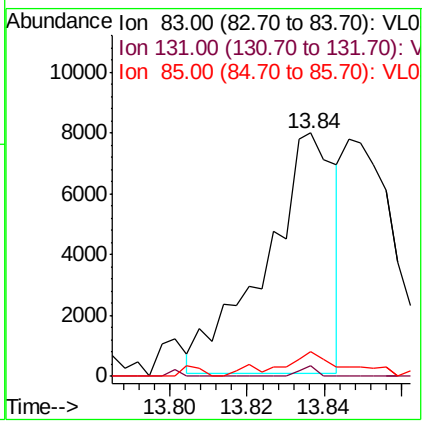


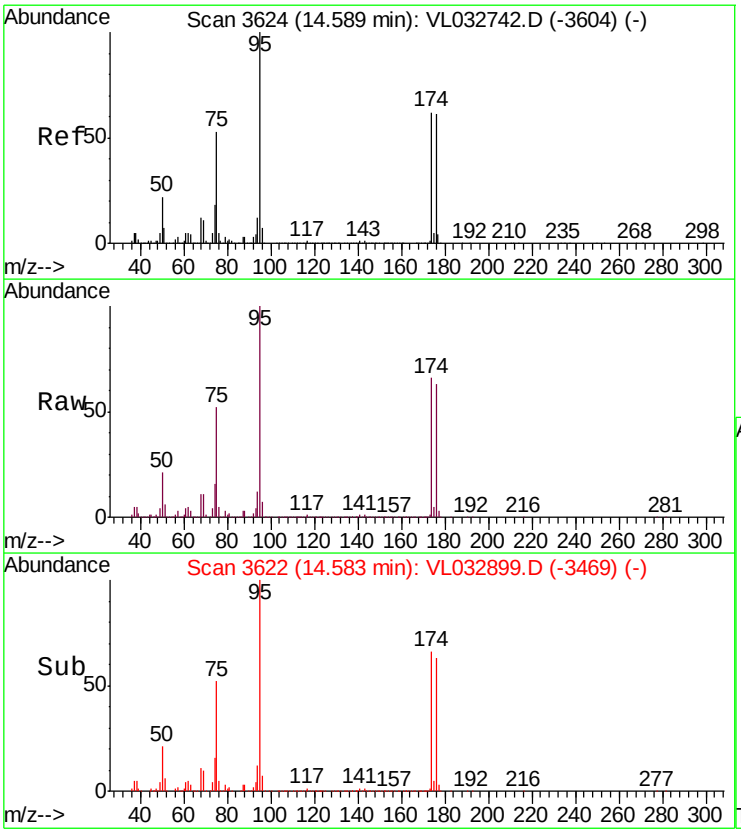
#63
1,1,2,2-Tetrachloroethane
Concen: 0.032 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 83 Resp: 9901

Ion	Ratio	Lower	Upper
83	100		
131	1.1	4.7	14.1#
85	12.3	32.5	97.4#

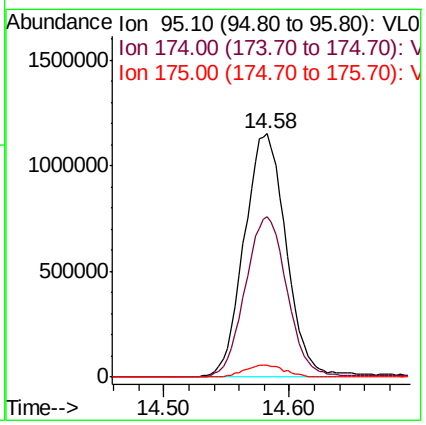


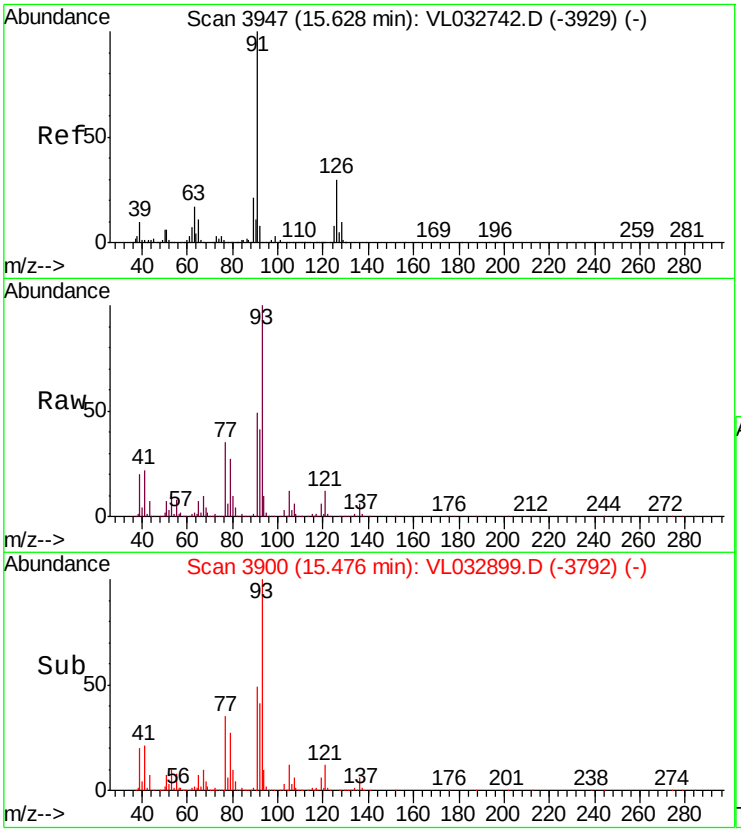


#68
1-Bromo-4-Fluorobenzene
Concen: 9.727 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Tgt Ion: 95 Resp: 2664587

Ion	Ratio	Lower	Upper
95	100		
174	67.4	50.7	76.1
175	4.9	3.8	5.6





#71
2-Chlorotoluene
Concen: 1.045 ppbv
RT: 15.48 min Scan# 3900
Delta R.T. -0.15 min
Lab File: VL032899.D
Acq: 5 Dec 2018 5:54

Instrument :
MSVOA_L
ClientSampleId :
VSV-6DL

Tgt Ion: 91 Resp: 415607

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.1	48.5#