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

Quantitation Report (Not Reviewed)

Data File : VL032881.D
Acq On : 4 Dec 2018 18:04
Operator : SY/AP
Sample : J6175-02DL 10XDUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Quant Time: Dec 05 05:48:29 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	5.77	49	1466661	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3670621	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3708381	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2704268	9.75	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.50%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.02	51	5745	0.049	ppbv	#	89
9) Propene	3.04	41	140876	3.027	ppbv		95
11) Trichlorofluoromethane	4.01	101	6309	0.032	ppbv		85
13) Ethanol	3.67	45	11908	0.781	ppbv	#	39
15) Acetone	3.91	43	319638	2.386	ppbv	#	84
16) 1,3-Butadiene	3.35	39	150942	2.910	ppbv	#	17
20) Methylene Chloride	4.42	84	41383	0.597	ppbv		96
23) Vinyl Acetate	5.20	43	21721	0.089	ppbv	#	41
25) Ethyl Acetate	5.79	43	21762	0.070	ppbv	#	85
26) Hexane	5.79	57	31574	0.227	ppbv	#	5
27) Carbon Disulfide	4.62	76	102879	0.584	ppbv	#	77
30) Cyclohexane	7.25	84	6792	0.056	ppbv	#	1
34) 2-Butanone	5.34	43	1209671	6.354	ppbv		99
36) Benzene	7.01	78	1481221	5.068	ppbv		98
39) 1,2-Dichloropropane	7.30	63	873961	7.848	ppbv	#	23
51) 2-Hexanone	10.30	43	80401	0.420	ppbv	#	97
53) Toluene	9.95	91	1155555	3.789	ppbv		99
58) Ethyl Benzene	12.87	91	81501	0.183	ppbv		93
59) m/p-Xylene	13.12	91	476333	1.199	ppbv		99
60) o-Xylene	13.85	91	426813	1.068	ppbv		96
61) Styrene	13.69	104	31187	0.120	ppbv		98
73) 1,3,5-Trimethylbenzene	16.17	105	75135	0.176	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	229418	0.501	ppbv	#	70

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

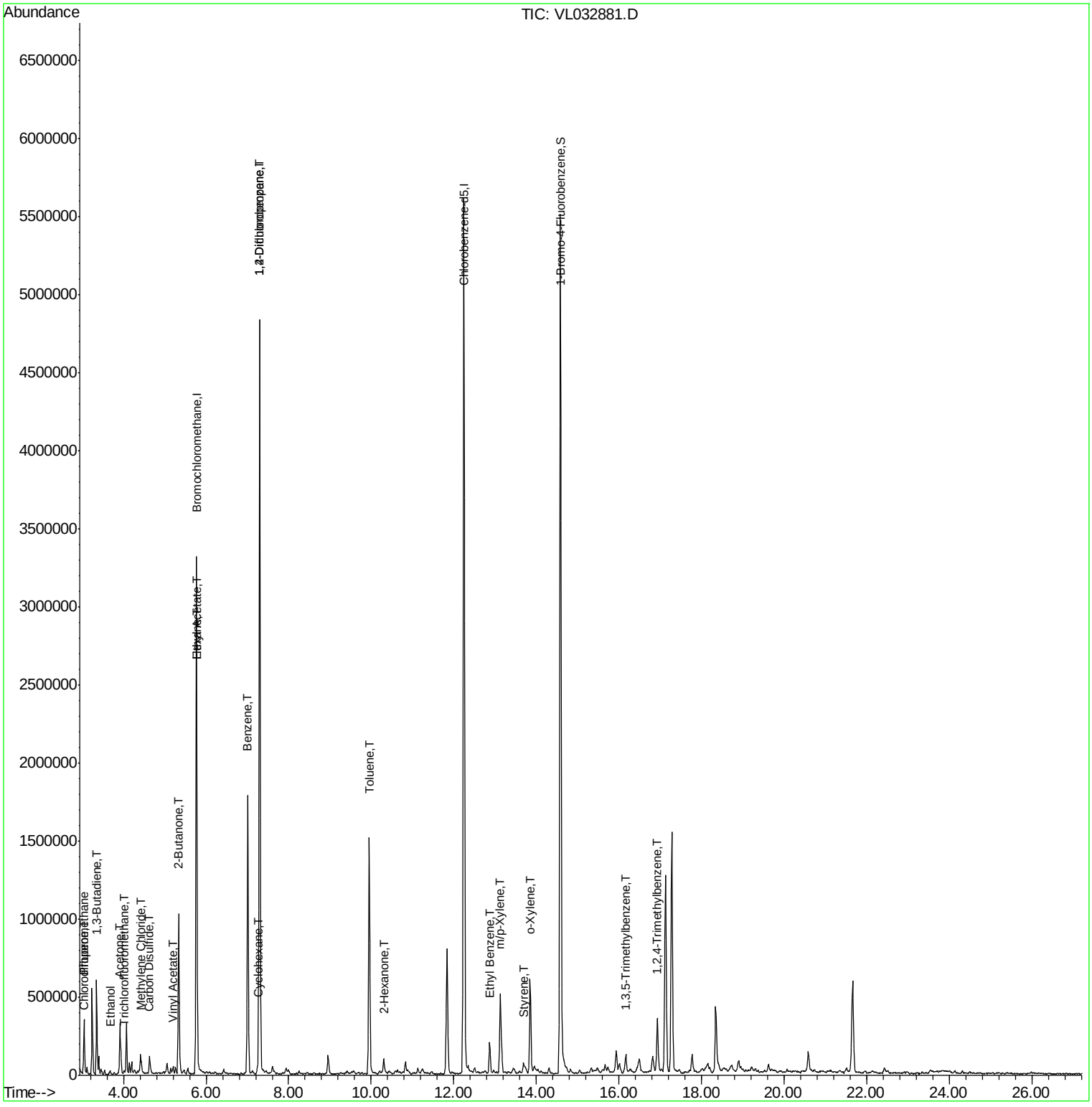
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120418\

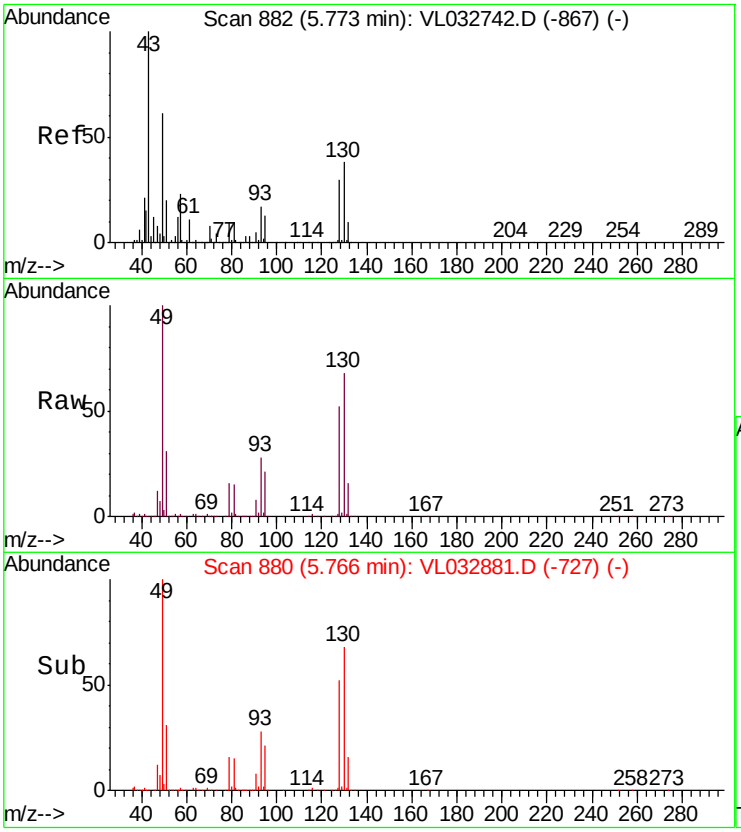
Quantitation Report (Not Reviewed)

Data File : VL032881.D
Acq On : 4 Dec 2018 18:04
Operator : SY/AP
Sample : J6175-02DL 10XDUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Quant Time: Dec 05 05:48:29 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



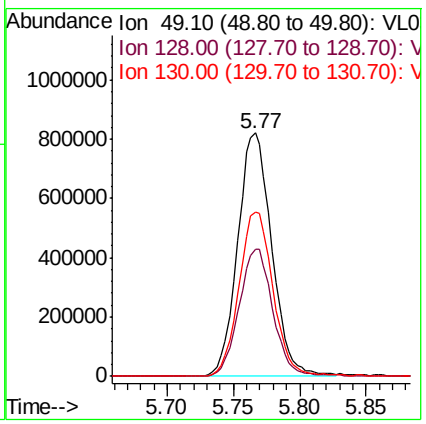


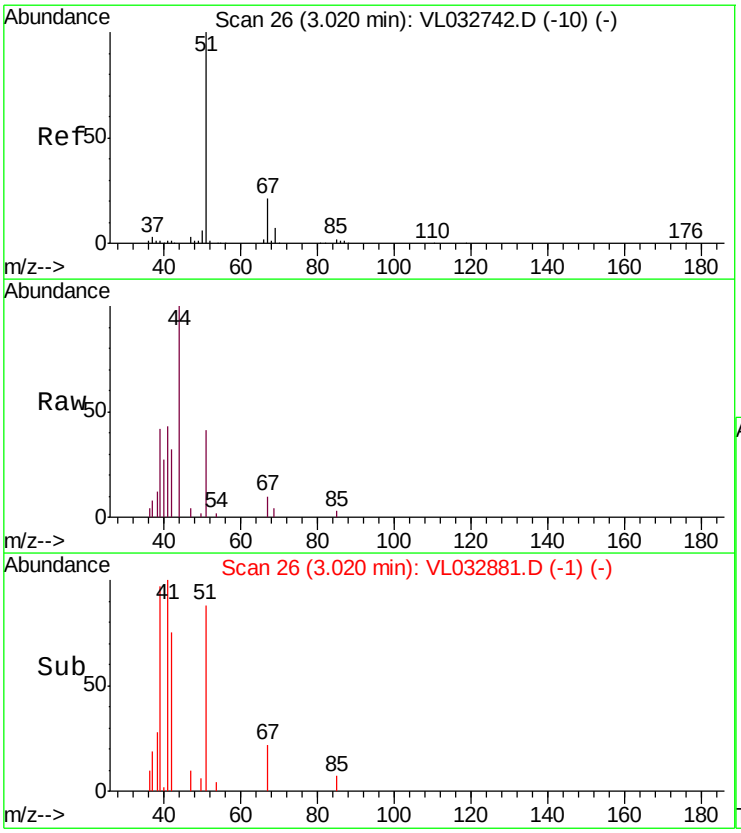
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion: 49 Resp: 1466661

Ion	Ratio	Lower	Upper
49	100		
128	52.6	24.9	74.6
130	68.1	31.4	94.2

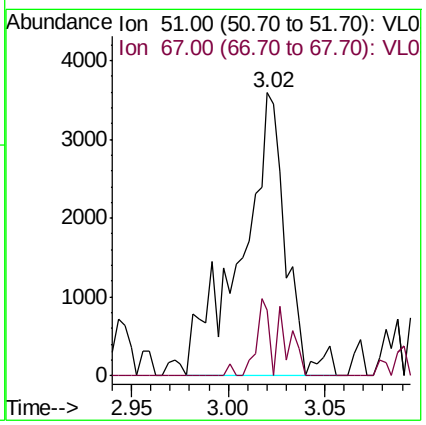


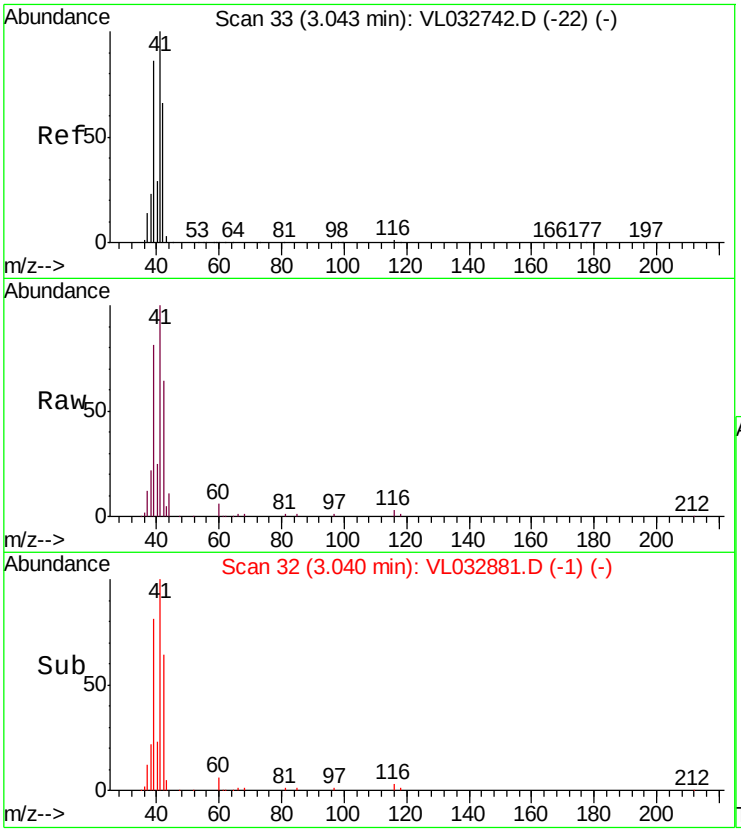


#3
Chlorodifluoromethane
Concen: 0.049 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 51 Resp: 5745

Ion	Ratio	Lower	Upper
51	100		
67	15.0	16.1	24.1#



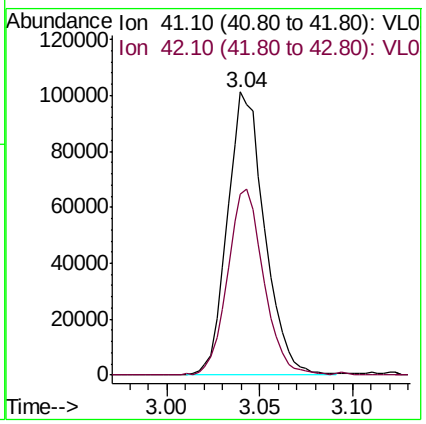


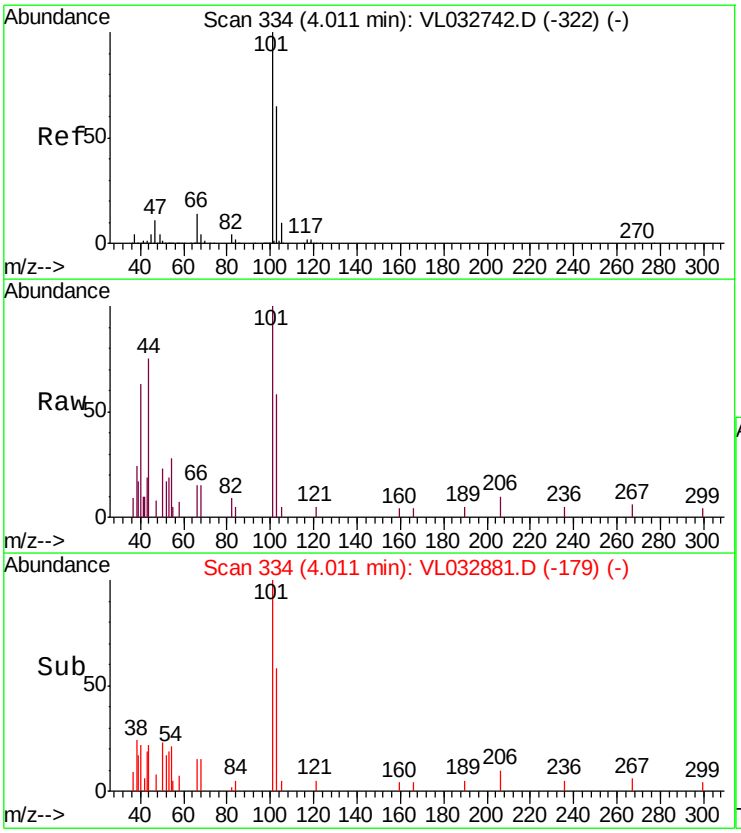
#9
Propene
Concen: 3.027 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion: 41 Resp: 140876

Ion	Ratio	Lower	Upper
41	100		
42	64.4	55.0	82.6

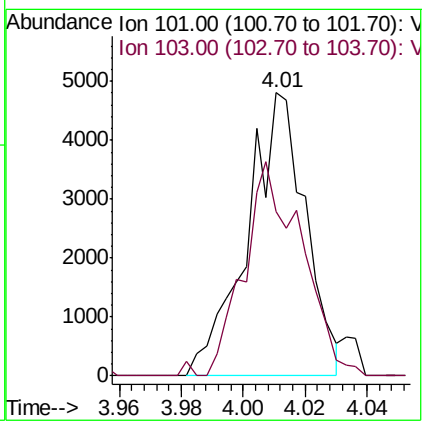


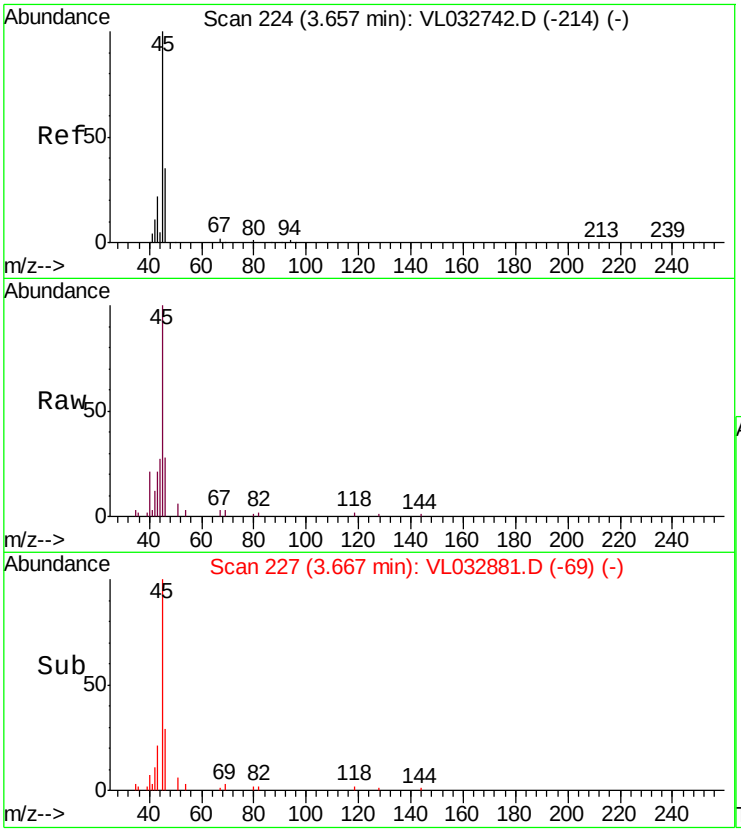


#11
Trichlorofluoromethane
Concen: 0.032 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion:101 Resp: 6309

Ion	Ratio	Lower	Upper
101	100		
103	52.7	51.6	77.4



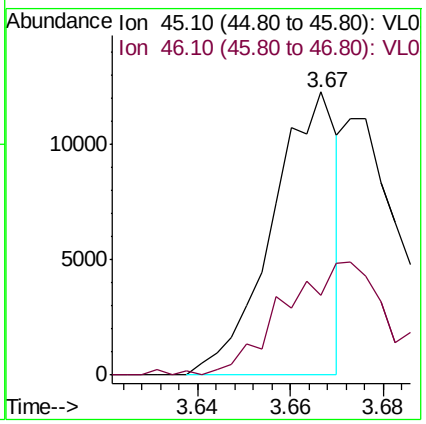


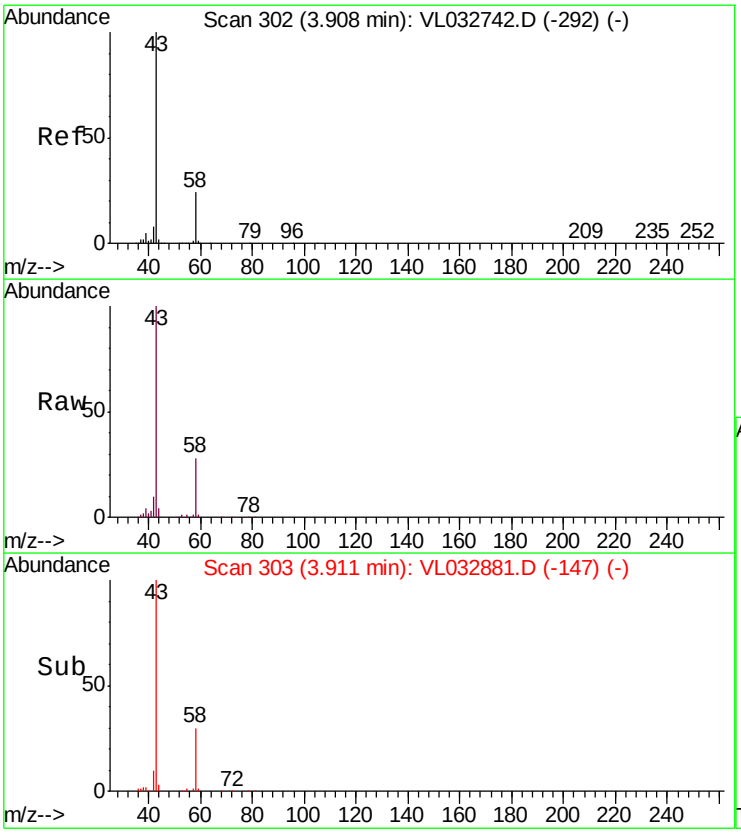
#13
Ethanol
Concen: 0.781 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion: 45 Resp: 11908

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.5	57.9#

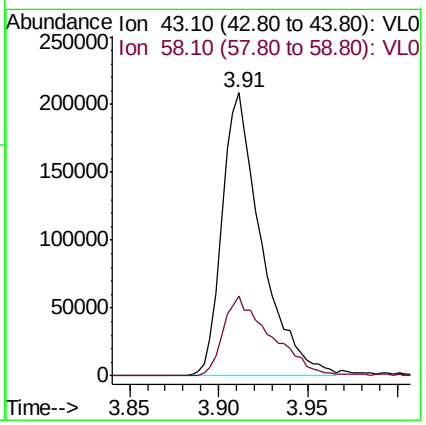


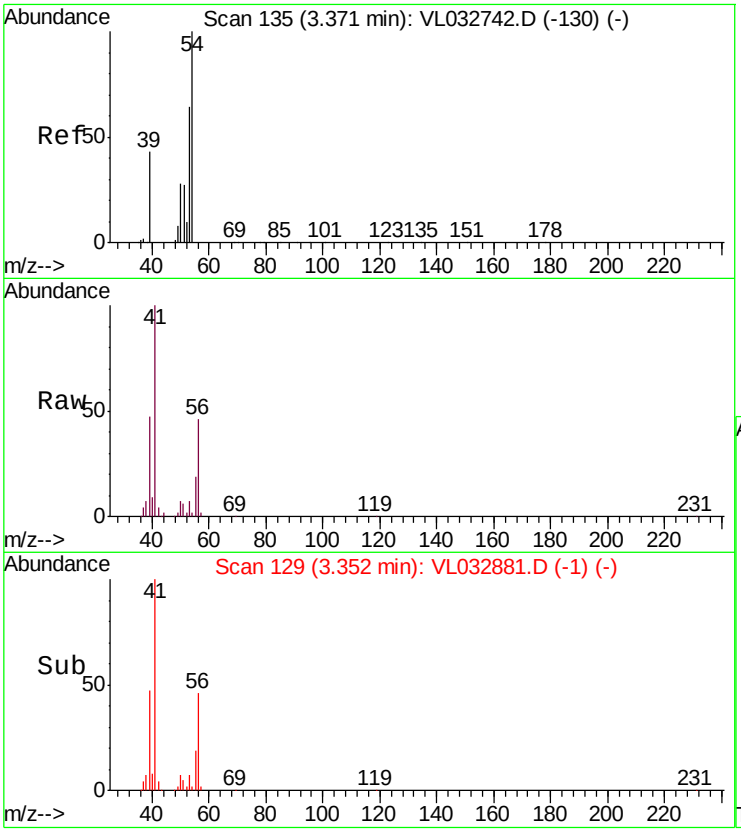


#15
Acetone
Concen: 2.386 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 43 Resp: 319638

Ion	Ratio	Lower	Upper
43	100		
58	34.9	21.1	31.7#



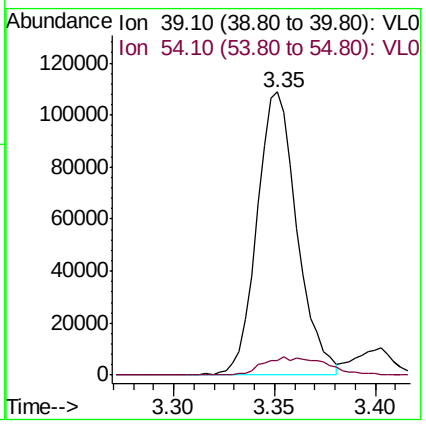


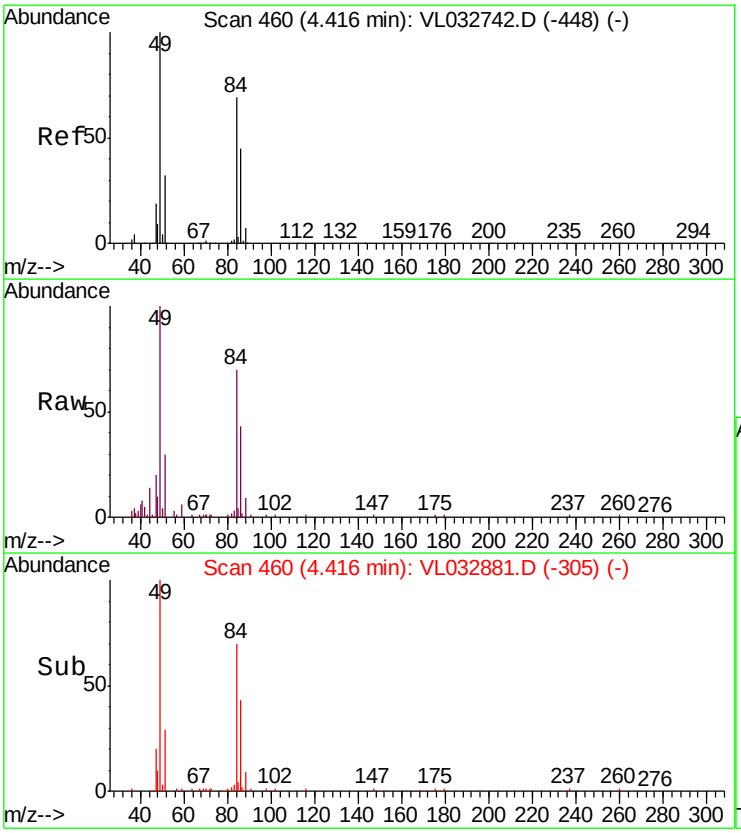
#16
1,3-Butadiene
Concen: 2.910 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.02 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Tgt Ion: 39 Resp: 150942

Ion	Ratio	Lower	Upper
39	100		
54	9.9	68.9	103.3#

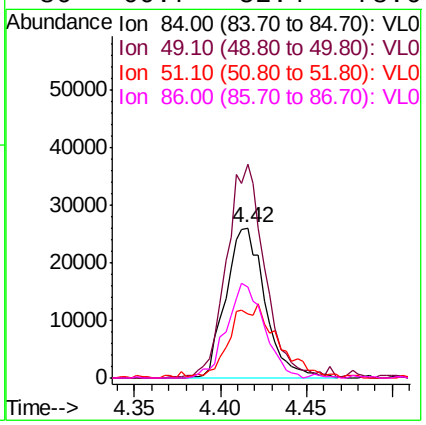


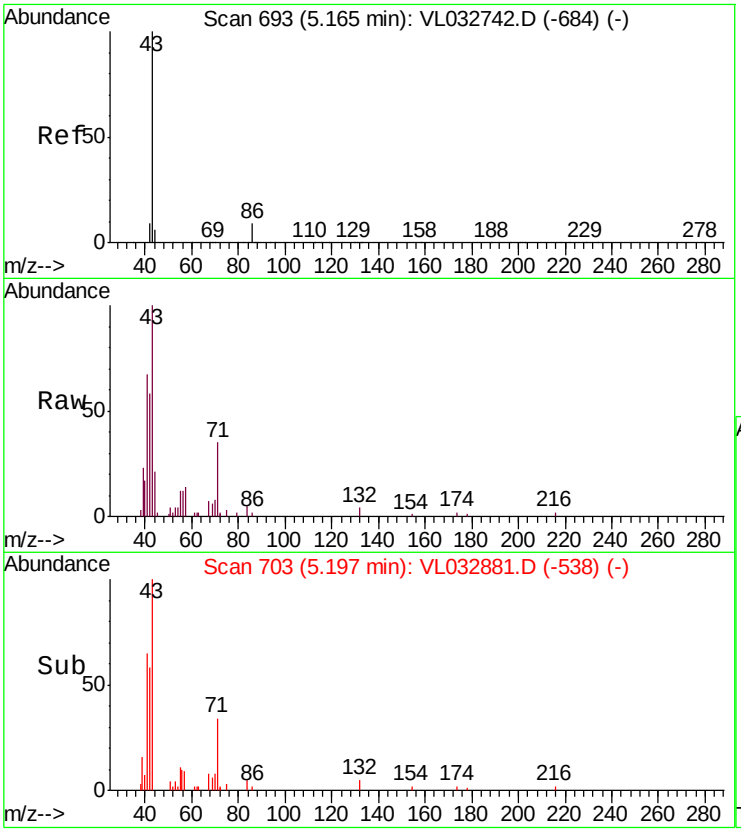


#20
Methylene Chloride
Concen: 0.597 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 84 Resp: 41383

Ion	Ratio	Lower	Upper
84	100		
49	141.4	115.8	173.6
51	41.0	36.9	55.3
86	60.7	52.4	78.6



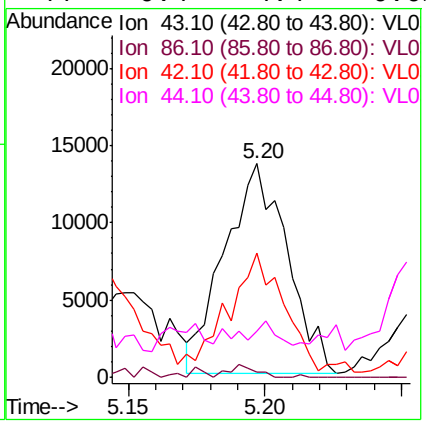


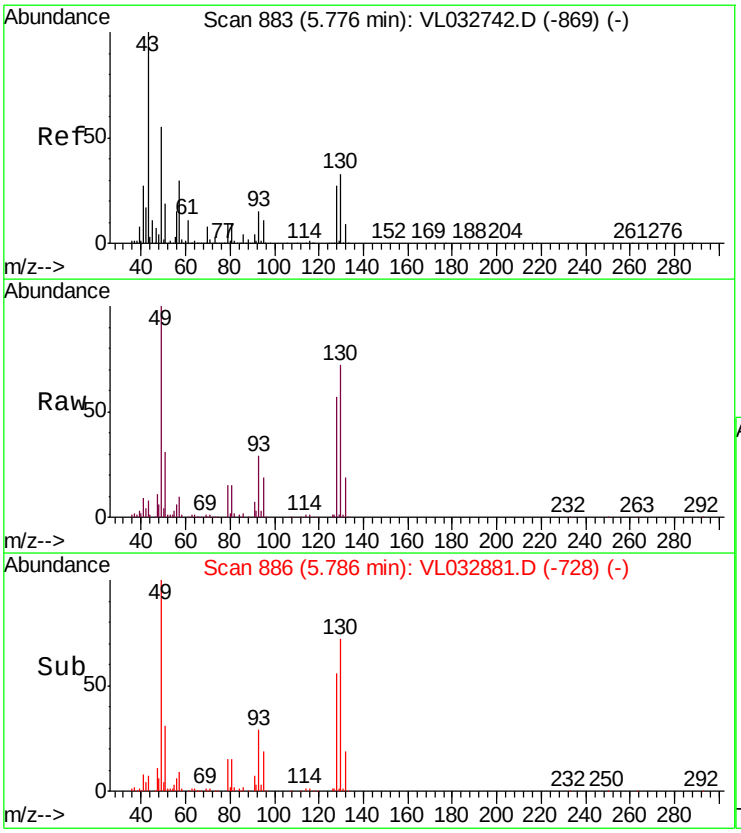
#23
Vinyl Acetate
Concen: 0.089 ppbv
RT: 5.20 min Scan# 703
Delta R.T. 0.03 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Tgt Ion: 43 Resp: 21721

Ion	Ratio	Lower	Upper
43	100		
86	2.3	6.2	9.4#
42	53.1	7.8	11.6#
44	0.4	4.4	6.6#

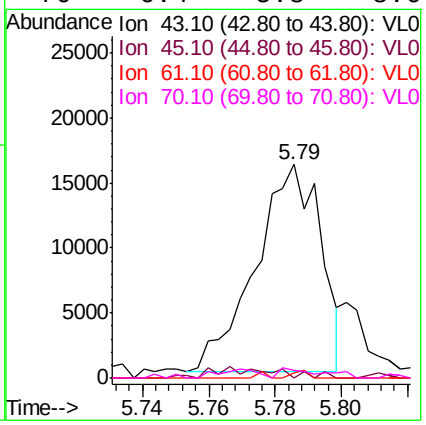


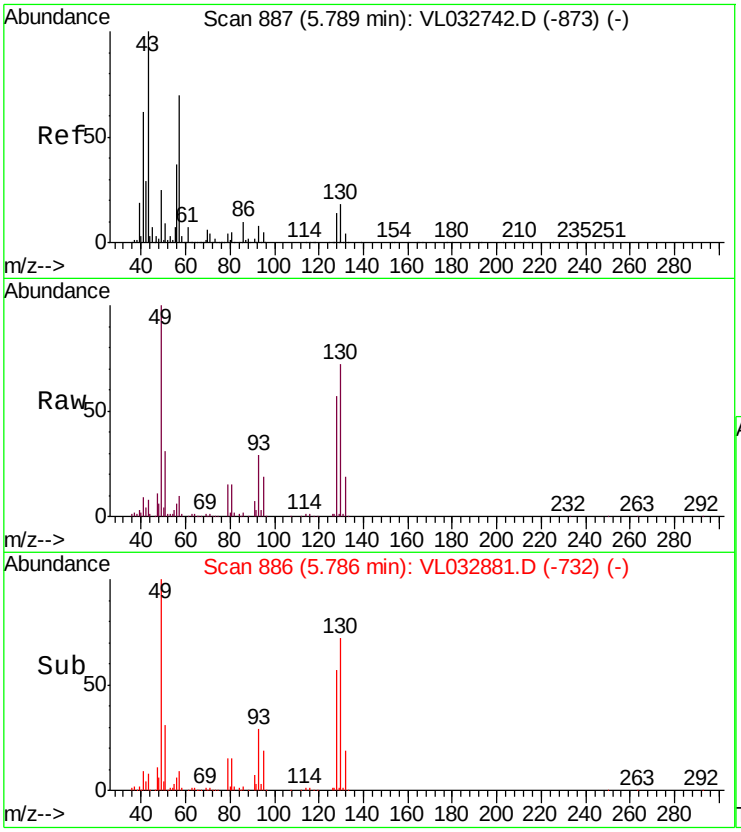


#25
Ethyl Acetate
Concen: 0.070 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 43 Resp: 21762

Ion	Ratio	Lower	Upper
43	100		
45	5.2	7.9	11.9#
61	0.0	7.8	11.6#
70	6.4	5.8	8.6



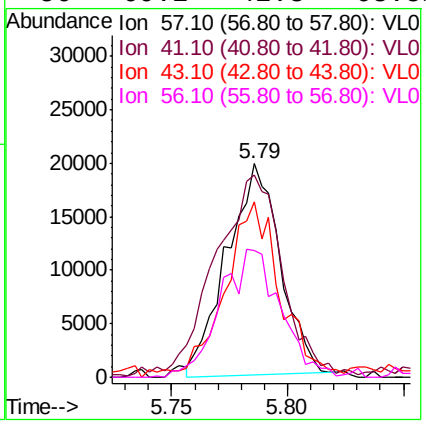


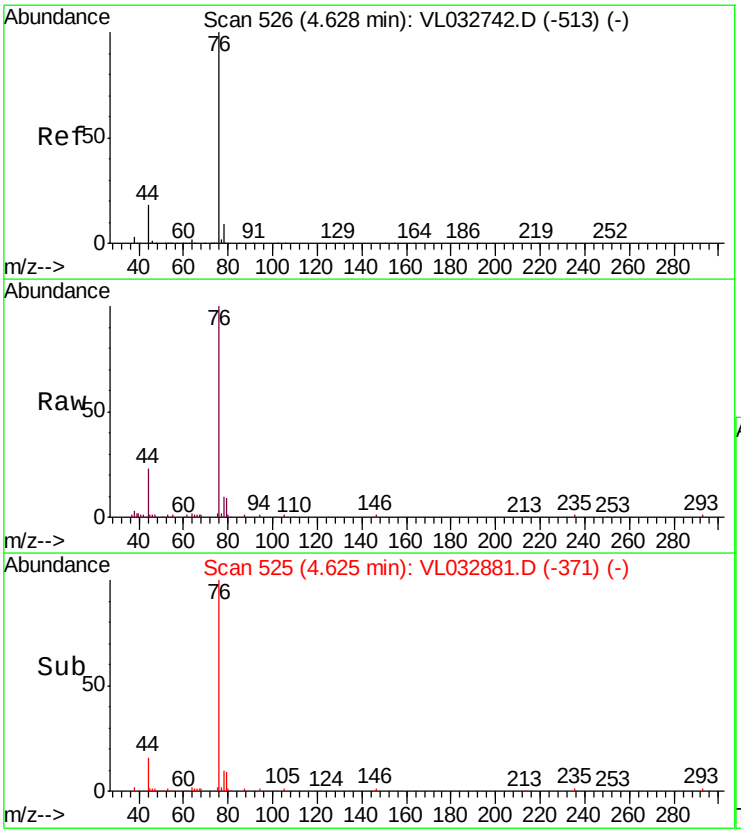
#26
Hexane
Concen: 0.227 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Tgt Ion: 57 Resp: 31574

Ion	Ratio	Lower	Upper
57	100		
41	123.0	70.3	105.5#
43	0.0	174.0	261.0#
56	69.2	42.3	63.5#

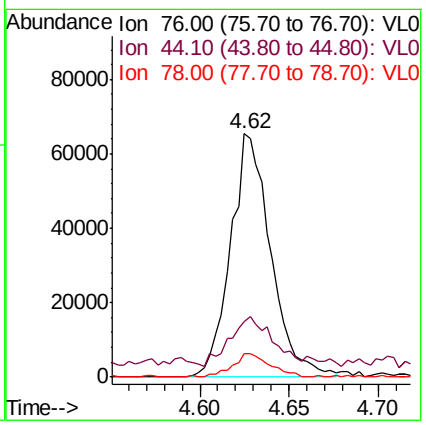


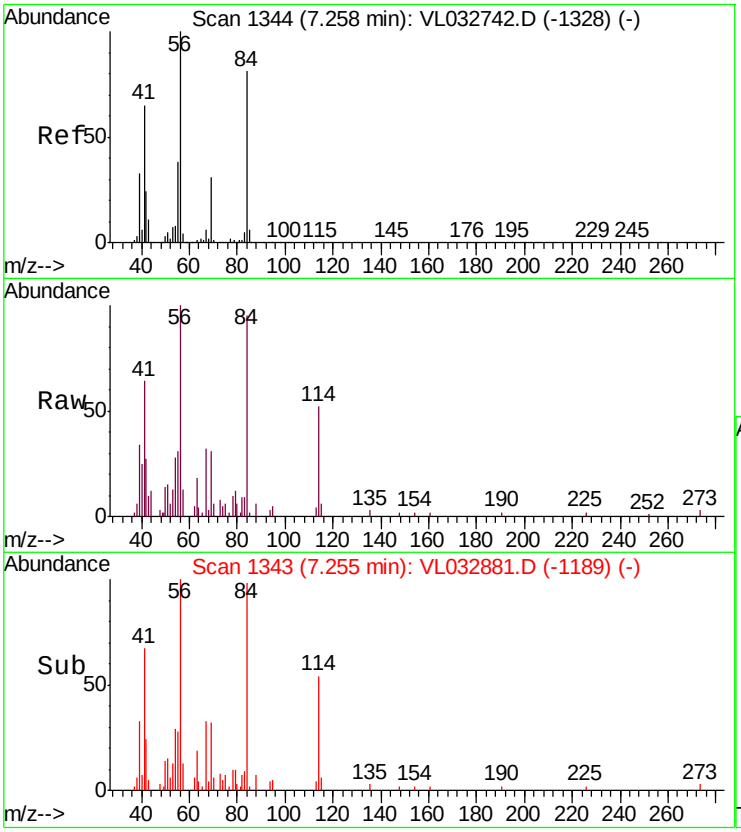


#27
Carbon Disulfide
Concen: 0.584 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 76 Resp: 102879

Ion	Ratio	Lower	Upper
76	100		
44	33.7	14.4	21.6#
78	9.5	7.7	11.5



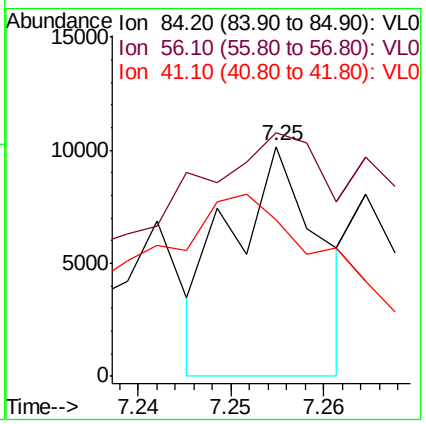


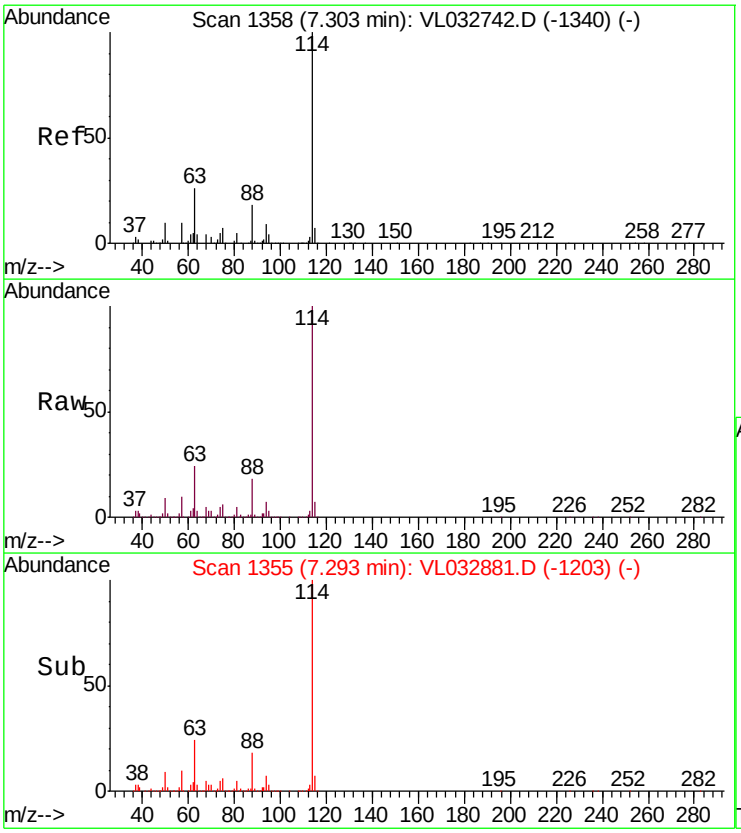
#30
Cyclohexane
Concen: 0.056 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Tgt Ion: 84 Resp: 6792

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.0	157.4#
41	295.6	65.3	97.9#

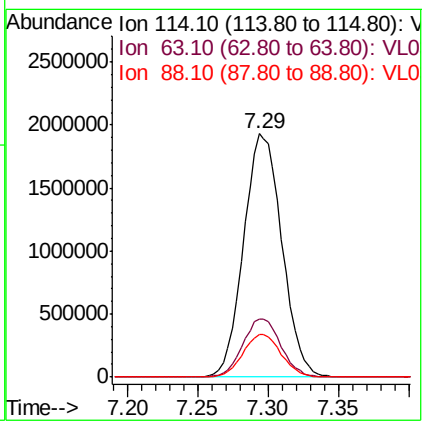


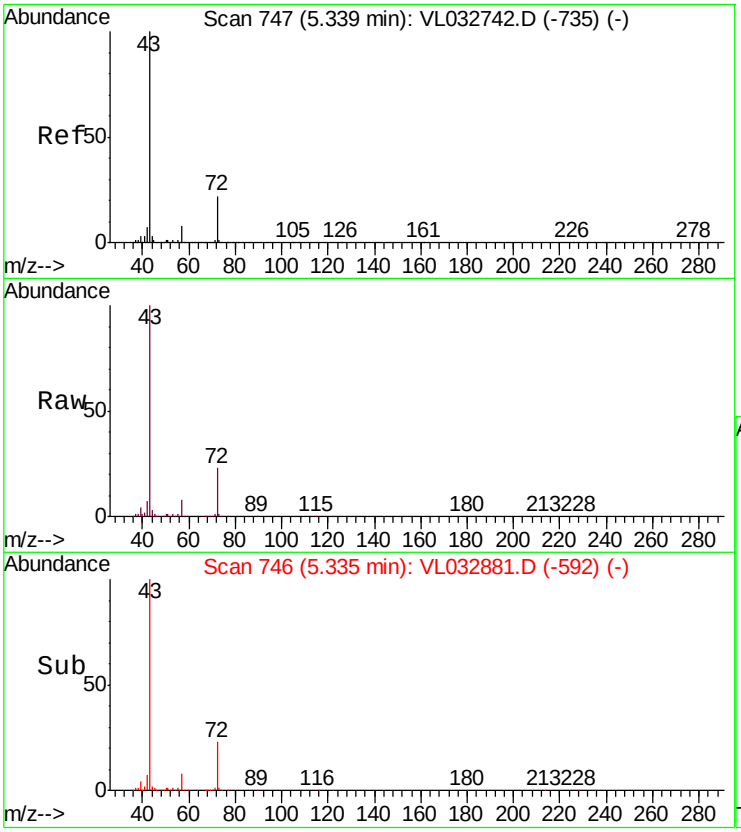


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion:114 Resp: 3670621

Ion	Ratio	Lower	Upper
114	100		
63	23.9	20.9	31.3
88	17.4	14.4	21.6



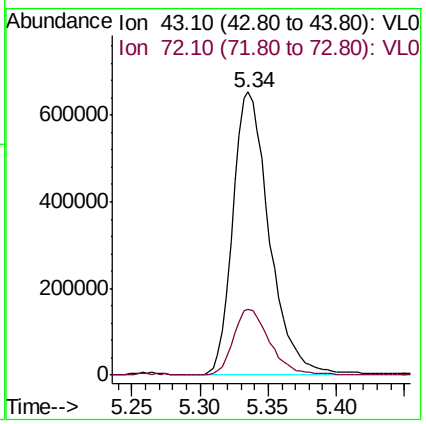


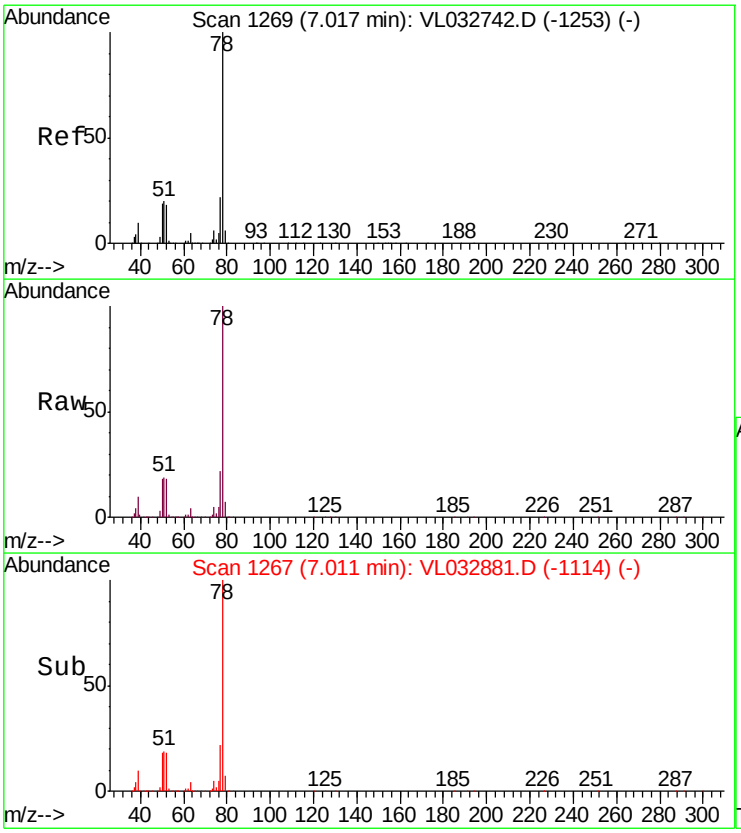
#34
2-Butanone
Concen: 6.354 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion: 43 Resp: 1209671

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6

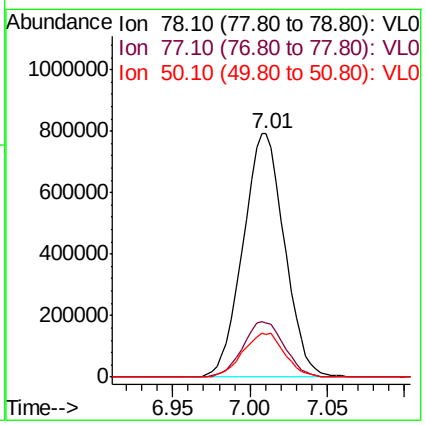


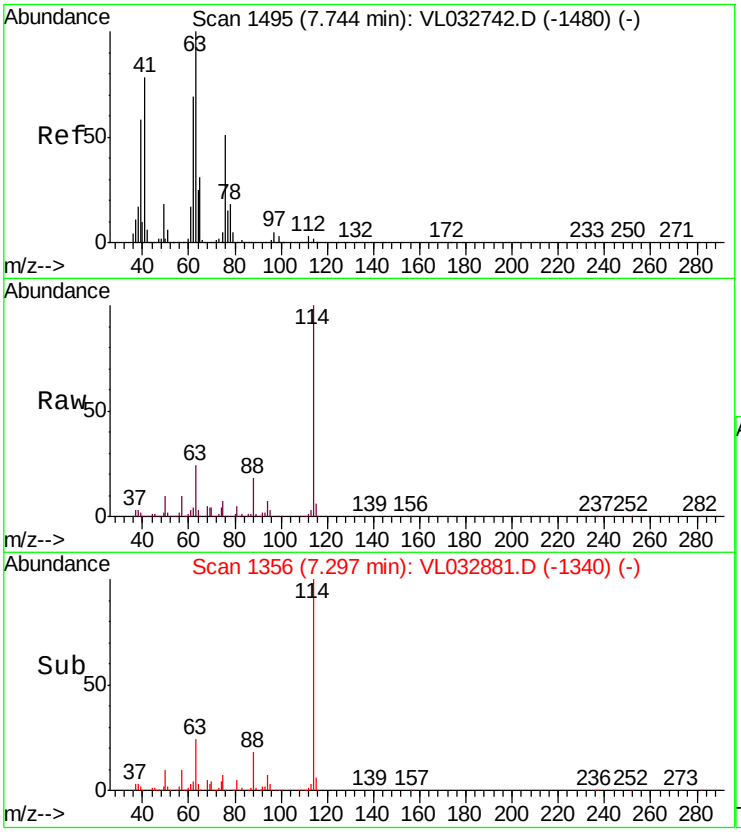


#36
Benzene
Concen: 5.068 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 78 Resp: 1481221

Ion	Ratio	Lower	Upper
78	100		
77	22.3	17.8	26.8
50	17.5	15.4	23.0



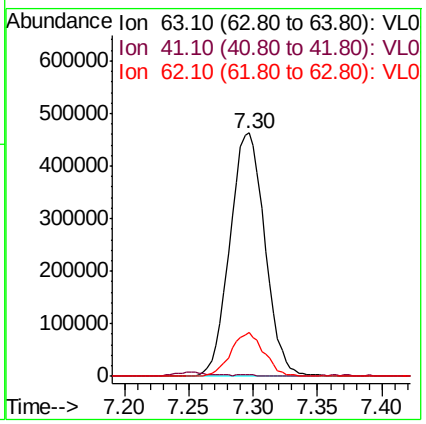


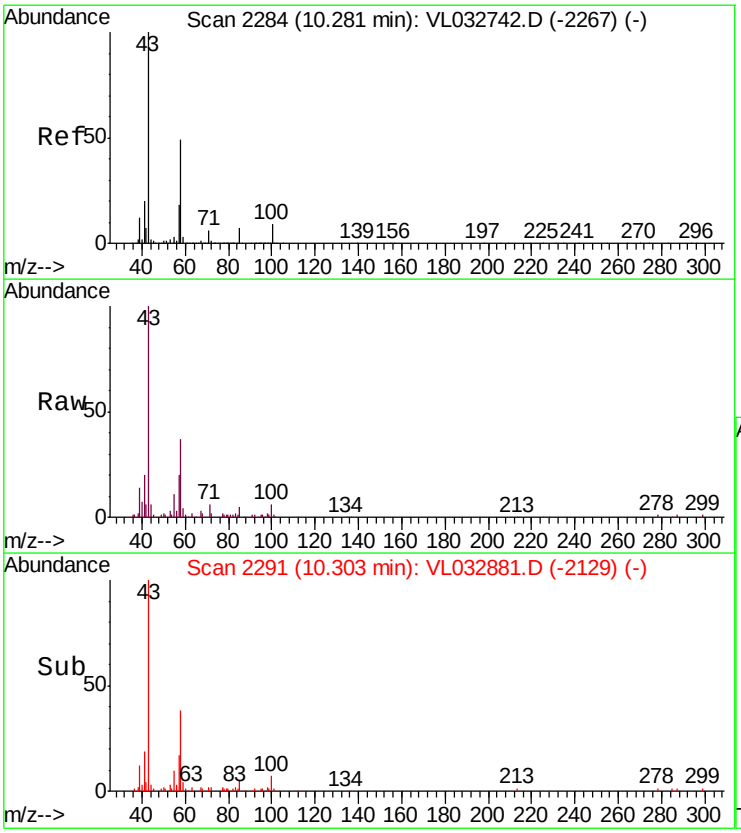
#39
1,2-Dichloropropane
Concen: 7.848 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion: 63 Resp: 873961

Ion	Ratio	Lower	Upper
63	100		
41	0.1	62.0	93.0#
62	17.9	55.4	83.2#

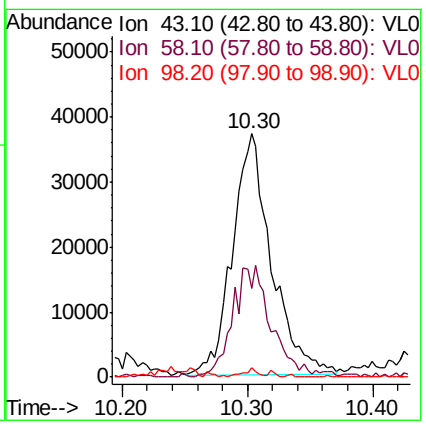


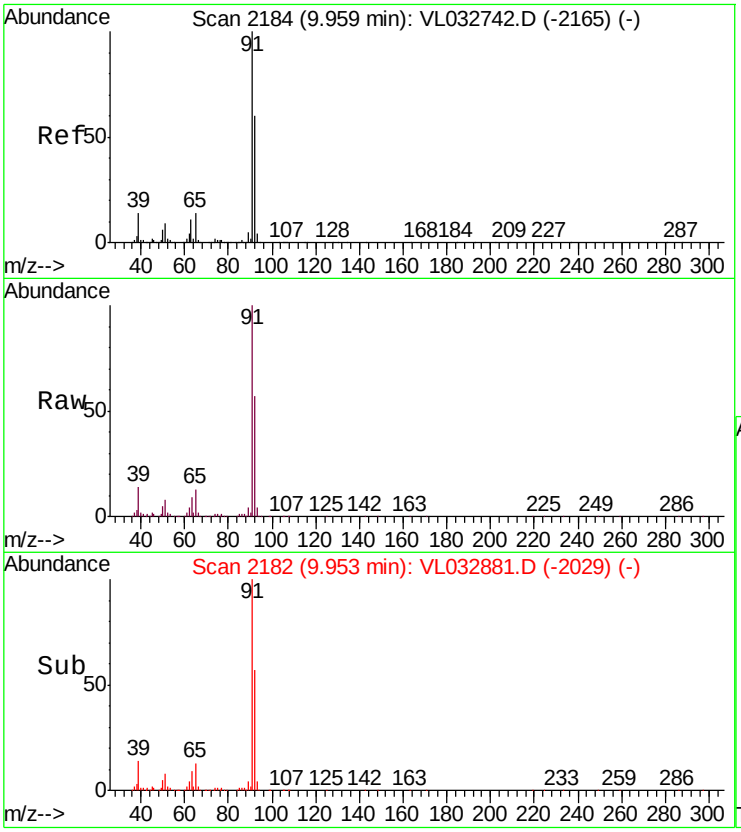


#51
2-Hexanone
Concen: 0.420 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 43 Resp: 80401

Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.9	58.3
98	1.9	0.2	0.4#



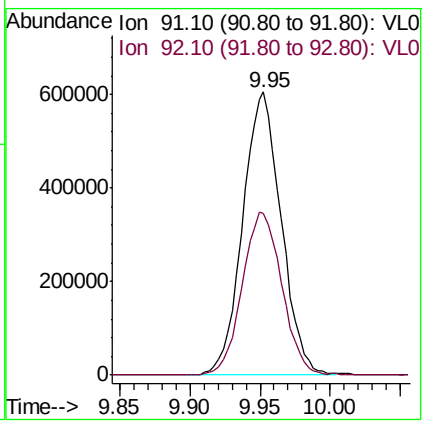


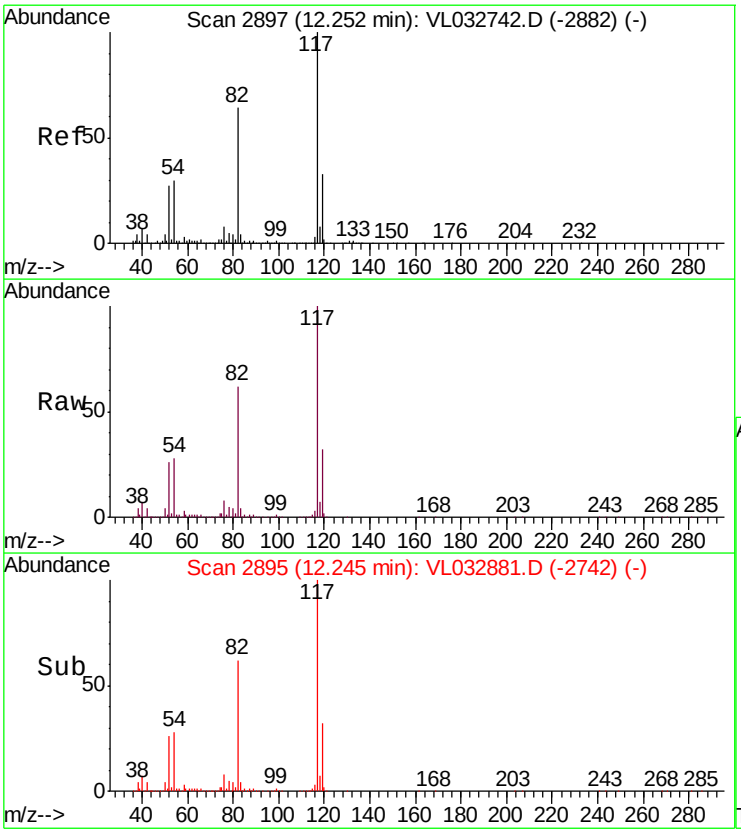
#53
Toluene
Concen: 3.789 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Tgt Ion: 91 Resp: 1155555

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.9	71.9

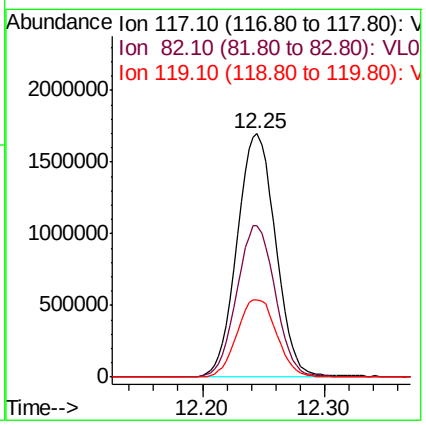


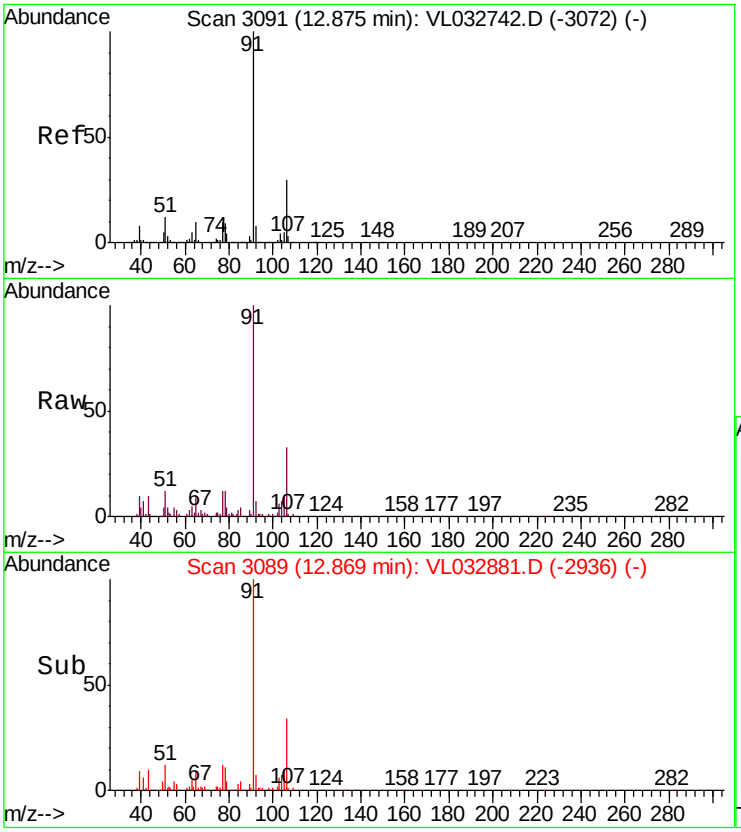


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion:117 Resp: 3708381

Ion	Ratio	Lower	Upper
117	100		
82	62.3	51.0	76.6
119	33.0	28.0	42.0



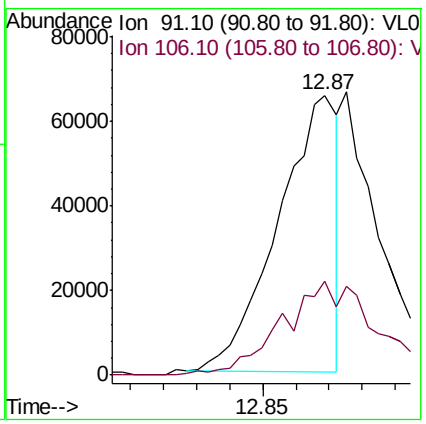


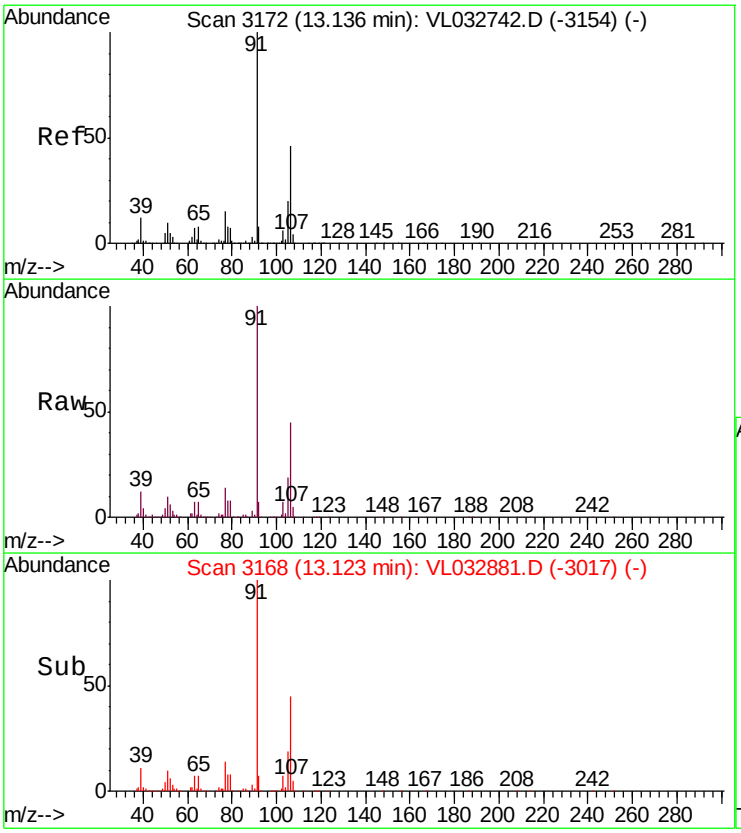
#58
Ethyl Benzene
Concen: 0.183 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion: 91 Resp: 81501

Ion	Ratio	Lower	Upper
91	100		
106	33.1	23.6	35.4

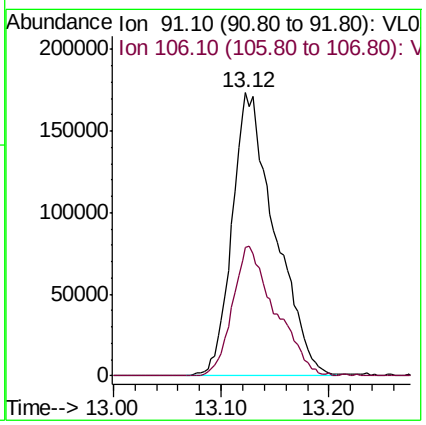


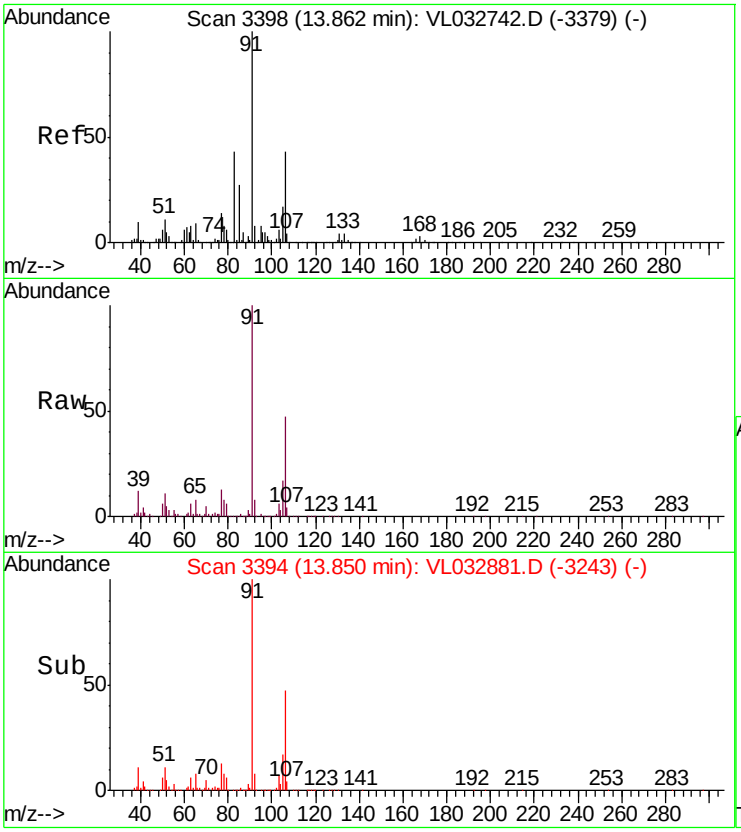


#59
m/p-Xylene
Concen: 1.199 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 91 Resp: 476333

Ion	Ratio	Lower	Upper
91	100		
106	45.7	36.1	54.1



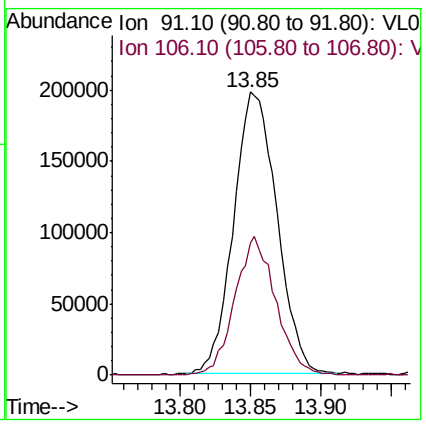


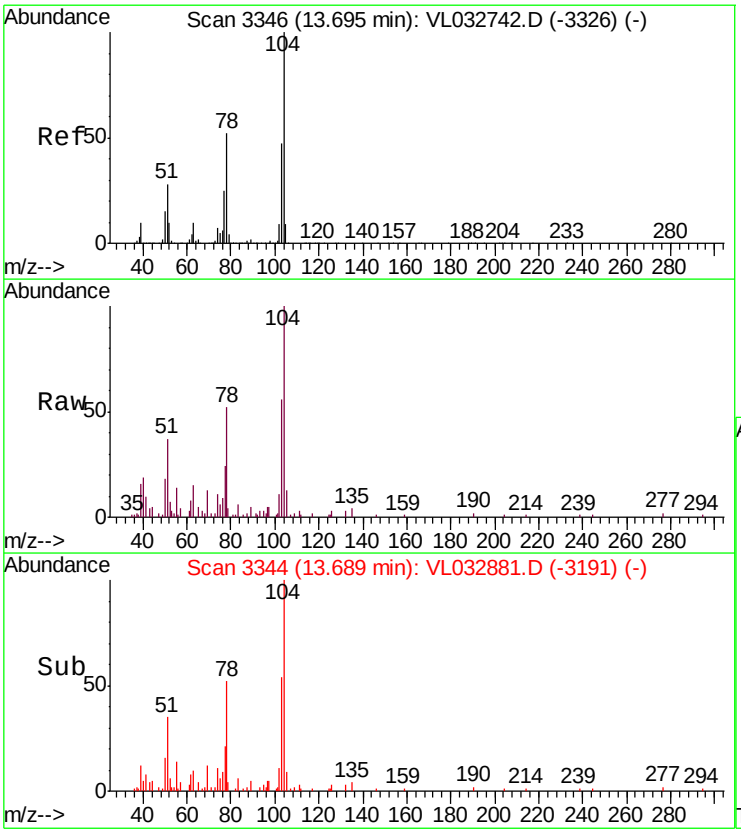
#60
o-Xylene
Concen: 1.068 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument : MSVOA_L
ClientSampleId : MMSV-02DLDUP

Tgt Ion: 91 Resp: 426813

Ion	Ratio	Lower	Upper
91	100		
106	46.7	21.9	65.7

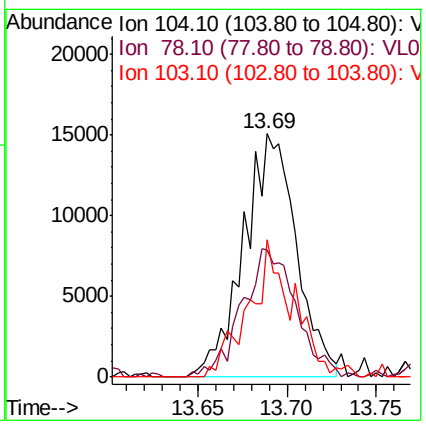


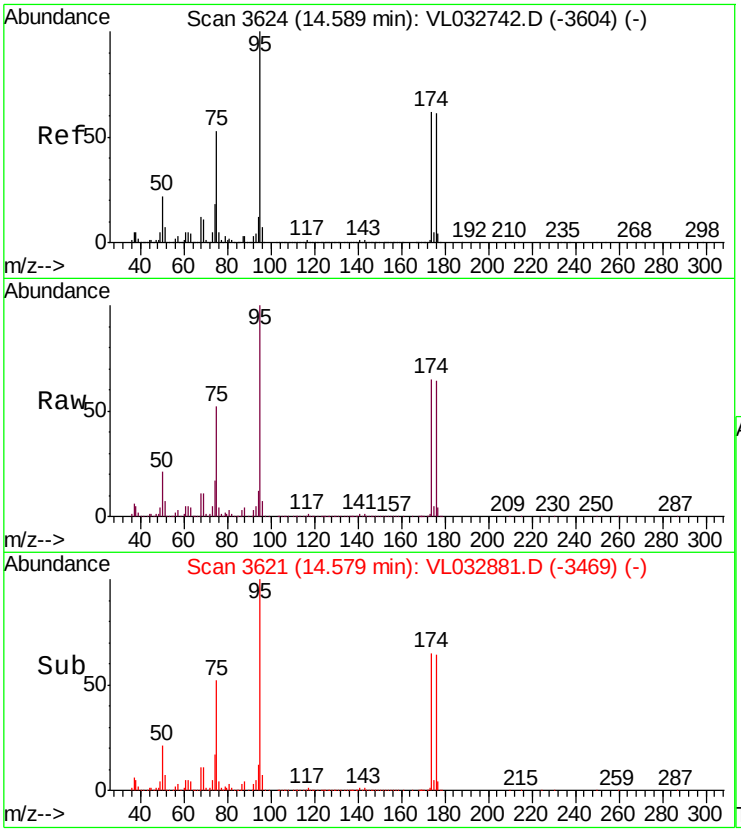


#61
Styrene
Concen: 0.120 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion:104 Resp: 31187

Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.2	63.4
103	48.6	38.2	57.2



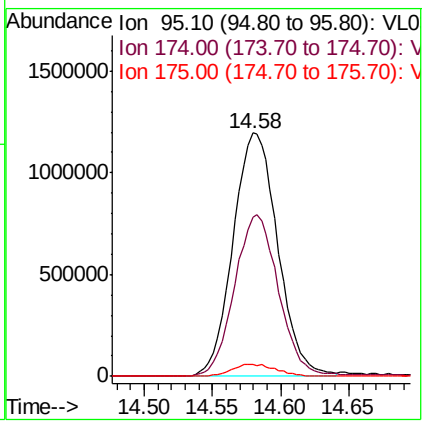


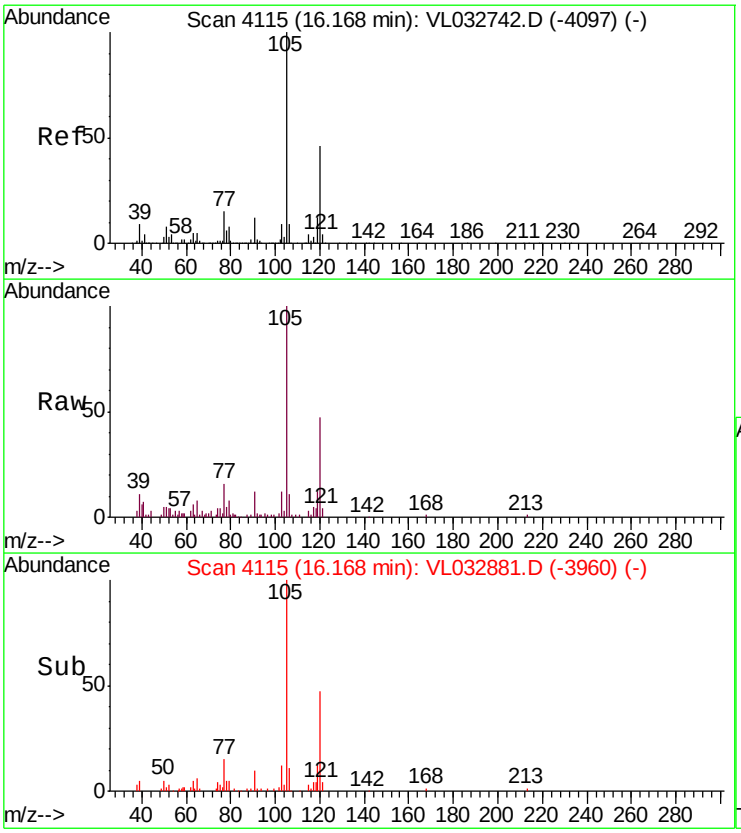
#68
1-Bromo-4-Fluorobenzene
Concen: 9.750 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion: 95 Resp: 2704268

Ion	Ratio	Lower	Upper
95	100		
174	67.2	50.7	76.1
175	5.1	3.8	5.6

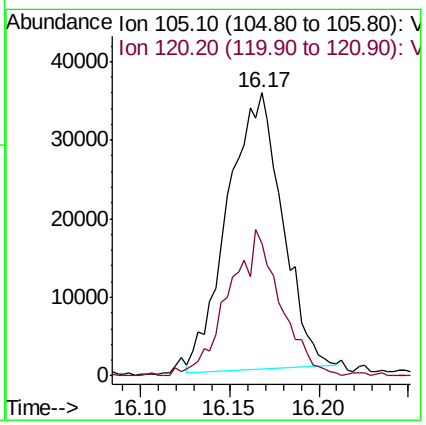


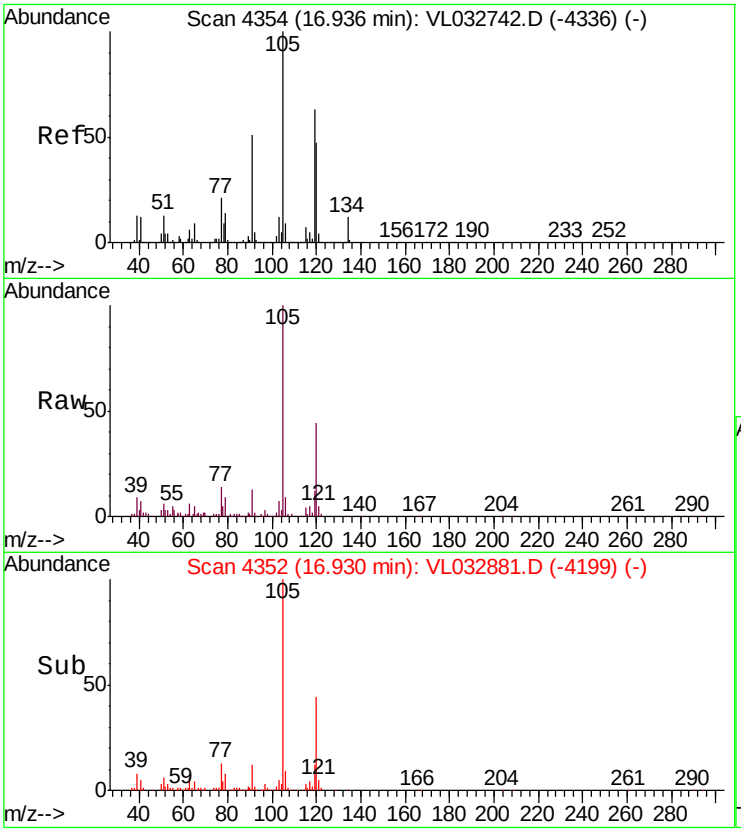


#73
1,3,5-Trimethylbenzene
Concen: 0.176 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion:105 Resp: 75135

Ion	Ratio	Lower	Upper
105	100		
120	47.7	36.6	55.0





#74
1,2,4-Trimethylbenzene
Concen: 0.501 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tgt Ion:105 Resp: 229418

Ion	Ratio	Lower	Upper
105	100		
120	43.9	37.6	56.4
91	11.7	42.5	63.7#
77	13.0	17.4	26.2#