Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

Quantitation Report (Not Reviewed)

Data File : VL032566.D
Acq On : 28 Sep 2018 2:04
Operator : SY/AP
Sample : J5094-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LIA-1DL

Quant Time: Sep 28 04:29:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1271392	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2941435	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2946603	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2198296	9.89	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.10	85	9660	0.082	ppbv	98
3) Chlorodifluoromethane	3.03	51	18892	0.179	ppbv	96
4) Chloromethane	3.18	50	2307	0.037	ppbv #	88
9) Propene	3.07	41	9107	0.199	ppbv	86
13) Ethanol	3.67	45	176882	12.828	ppbv	94
15) Acetone	3.93	43	113468	1.017	ppbv	99
16) 1,3-Butadiene	3.36	39	6352	0.140	ppbv #	7
19) Isopropyl Alcohol	4.06	45	42342	0.545	ppbv #	89
20) Methylene Chloride	4.43	84	26489	0.490	ppbv #	85
25) Ethyl Acetate	5.80	43	16362	0.060	ppbv #	88
26) Hexane	5.80	57	18729	0.153	ppbv #	45
39) 1,2-Dichloropropane	7.32	63	799605	7.464	ppbv #	26
53) Toluene	9.98	91	54799	0.189	ppbv	91

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

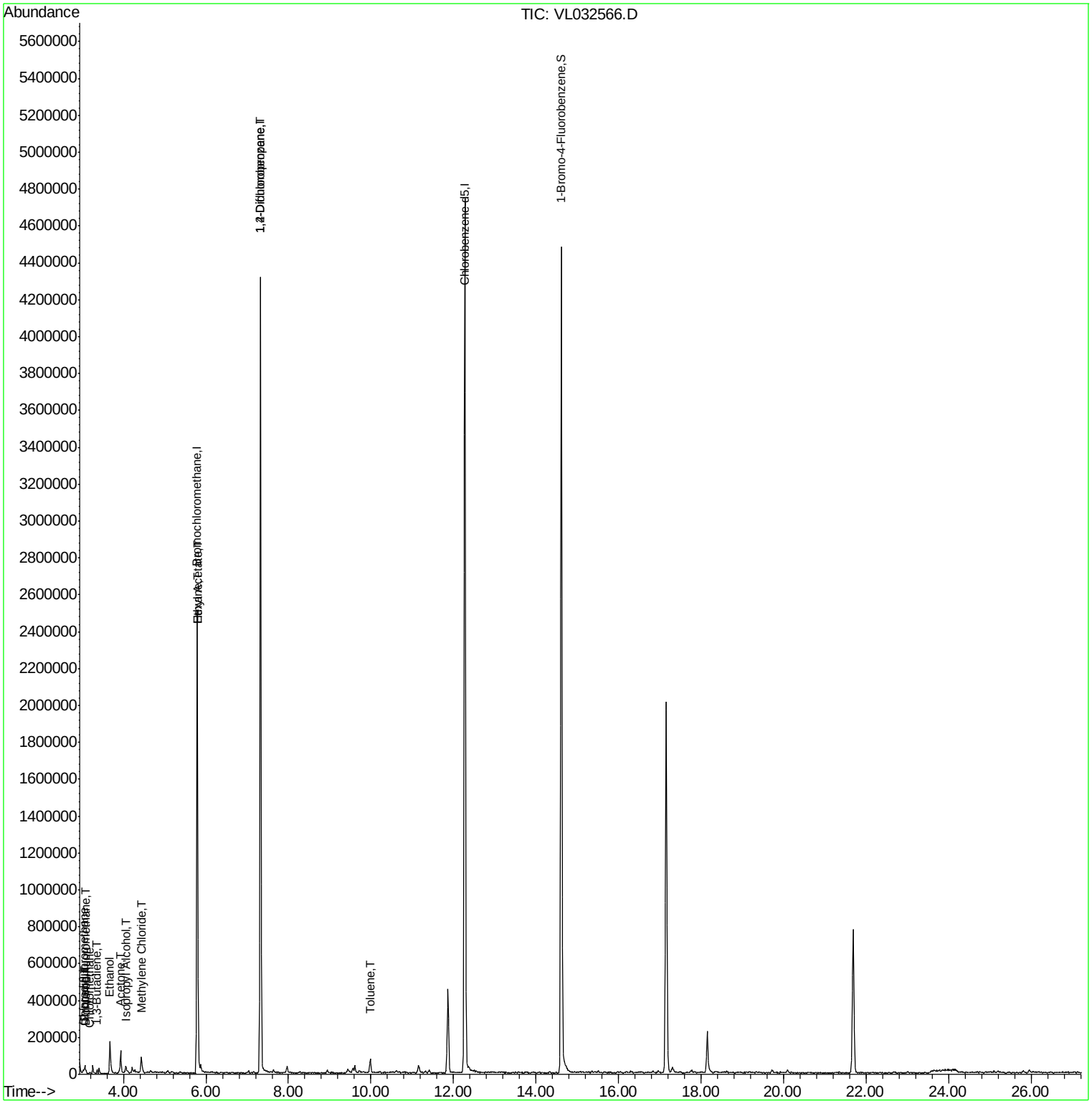
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\

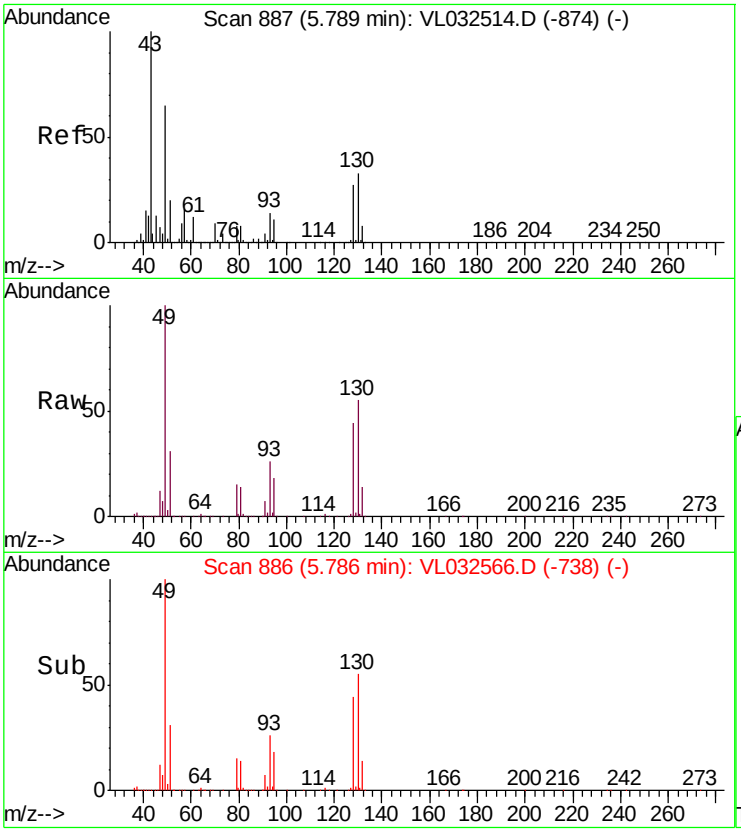
Quantitation Report (Not Reviewed)

Data File : VL032566.D
Acq On : 28 Sep 2018 2:04
Operator : SY/AP
Sample : J5094-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : LIA-1DL

Quant Time: Sep 28 04:29:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration



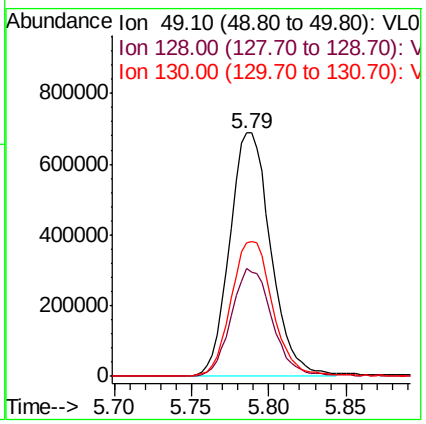


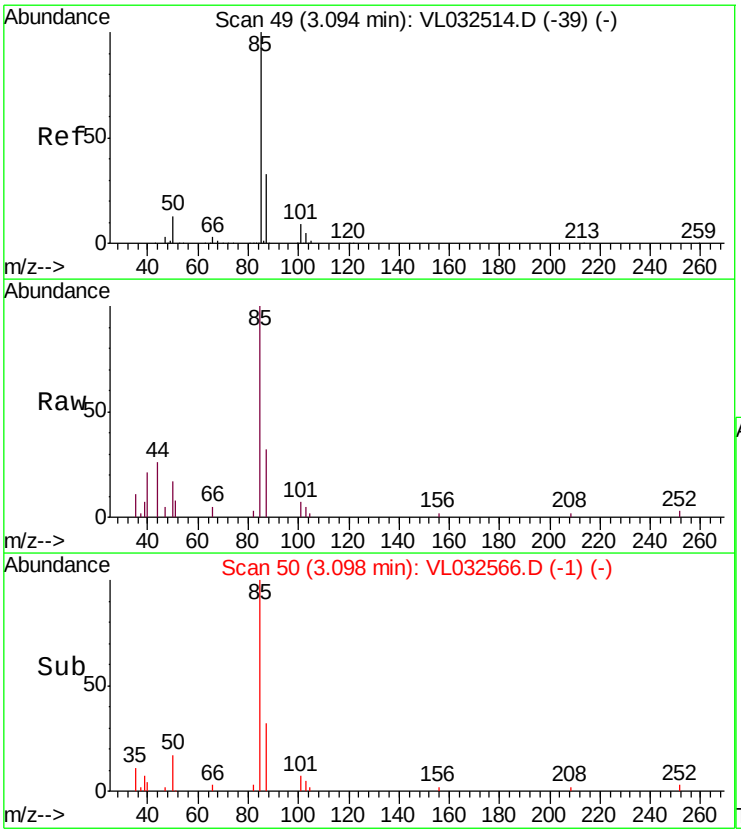
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
LIA-1DL

Tgt Ion: 49 Resp: 1271392

Ion	Ratio	Lower	Upper
49	100		
128	44.8	20.7	62.1
130	57.0	26.6	79.7

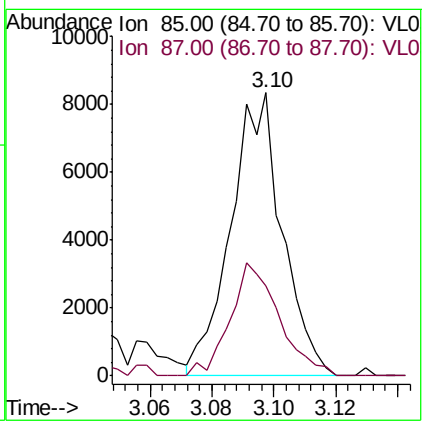


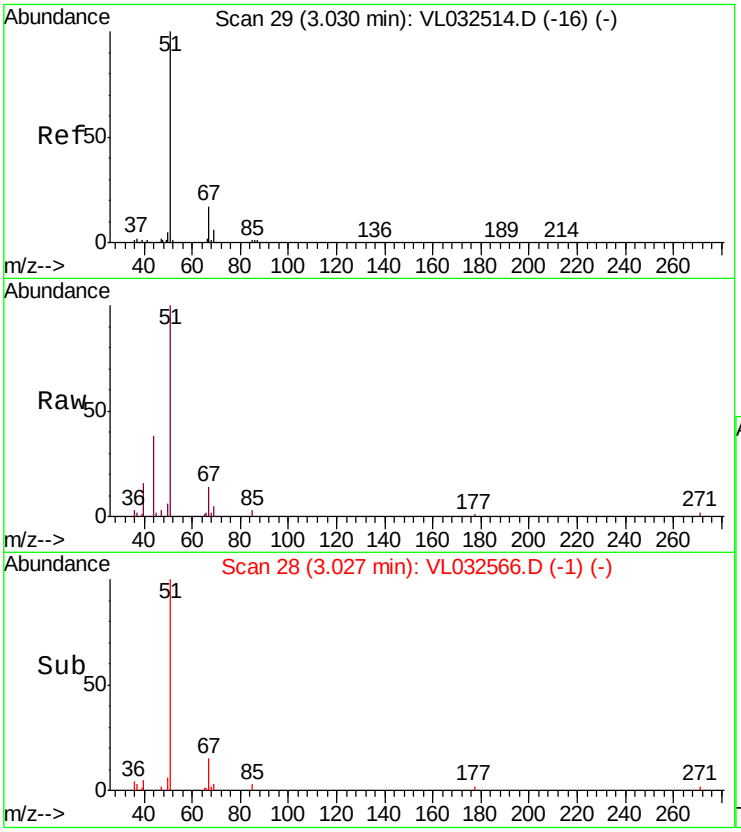


#2
Dichlorodifluoromethane
Concen: 0.082 ppbv
RT: 3.10 min Scan# 50
Delta R.T. -0.01 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 85 Resp: 9660

Ion	Ratio	Lower	Upper
85	100		
87	31.8	26.2	39.4



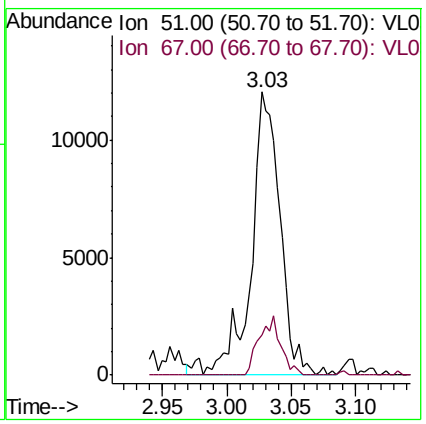


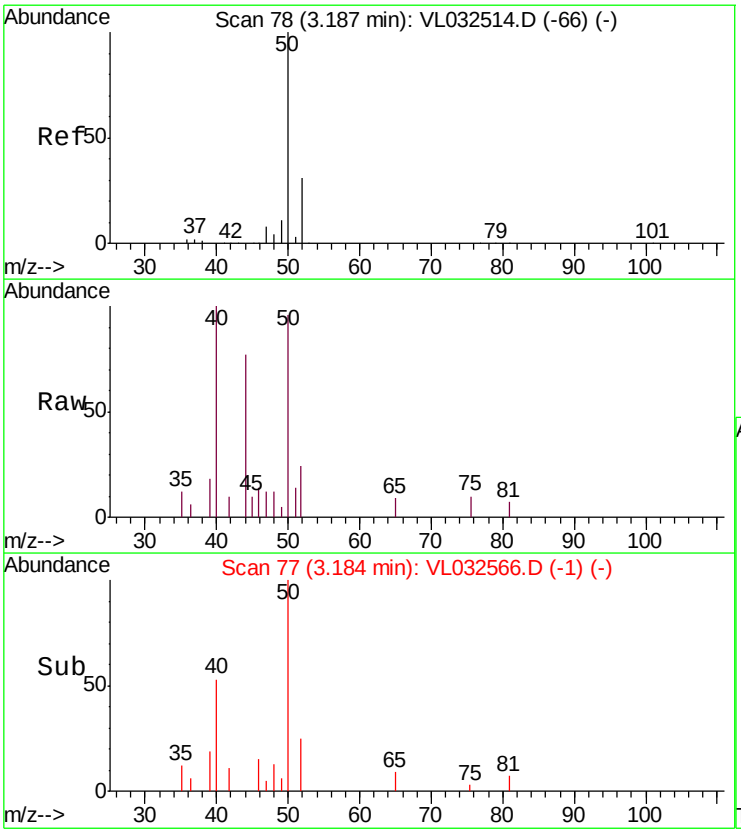
#3
Chlorodifluoromethane
Concen: 0.179 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
LIA-1DL

Tgt Ion: 51 Resp: 18892

Ion	Ratio	Lower	Upper
51	100		
67	15.7	13.8	20.8

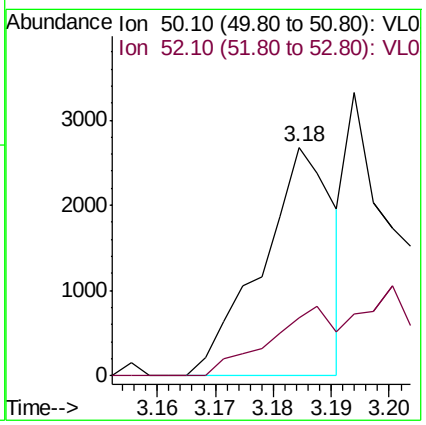


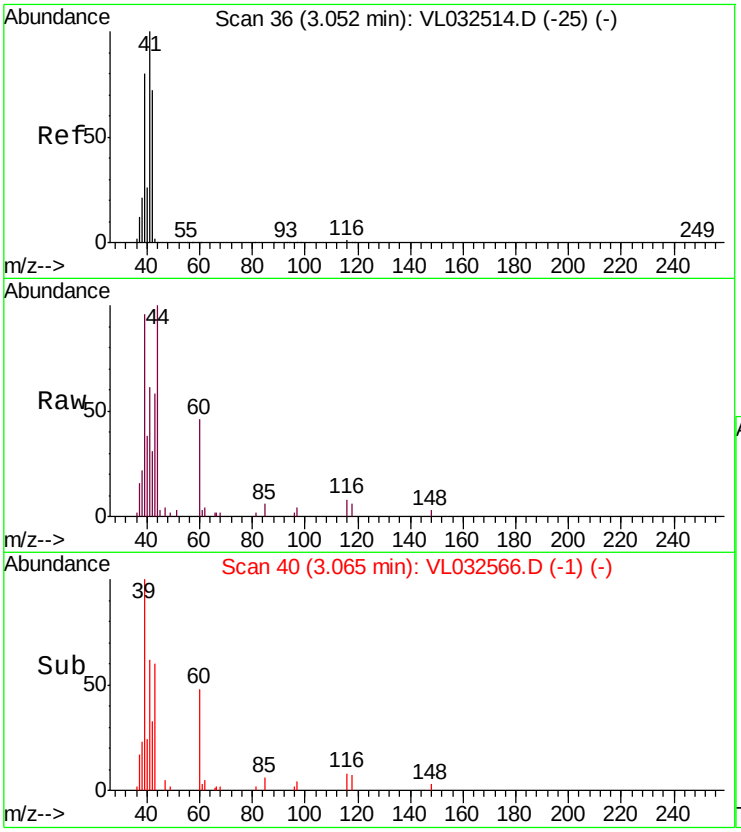


#4
Chloromethane
Concen: 0.037 ppbv
RT: 3.18 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 50 Resp: 2307

Ion	Ratio	Lower	Upper
50	100		
52	25.3	25.6	38.4#



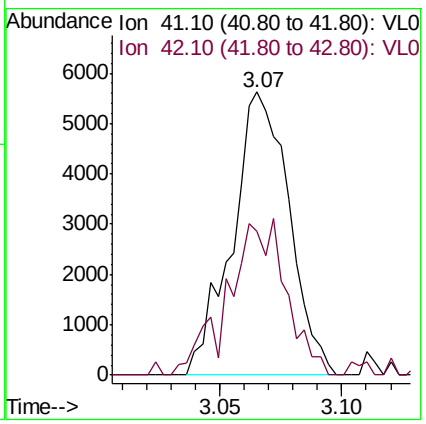


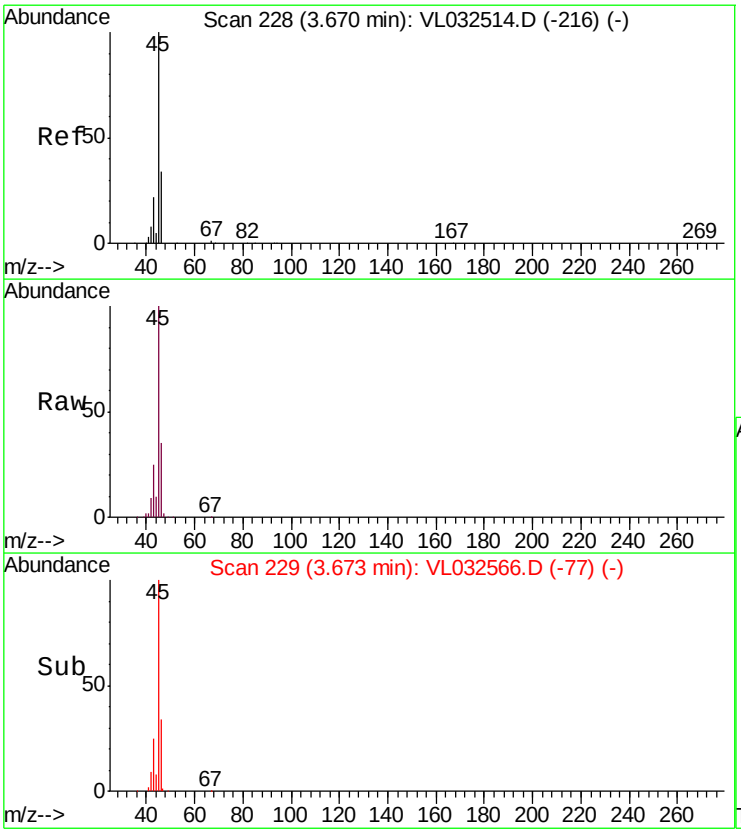
#9
Propene
Concen: 0.199 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
LIA-1DL

Tgt Ion: 41 Resp: 9107

Ion	Ratio	Lower	Upper
41	100		
42	58.7	56.6	84.8

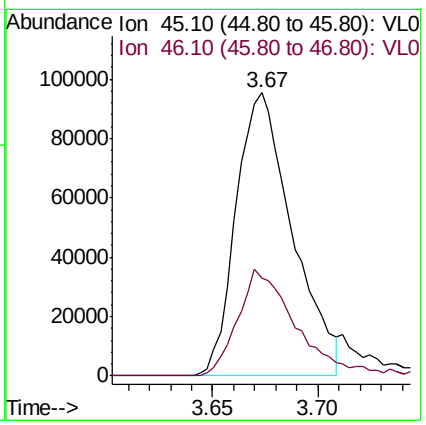


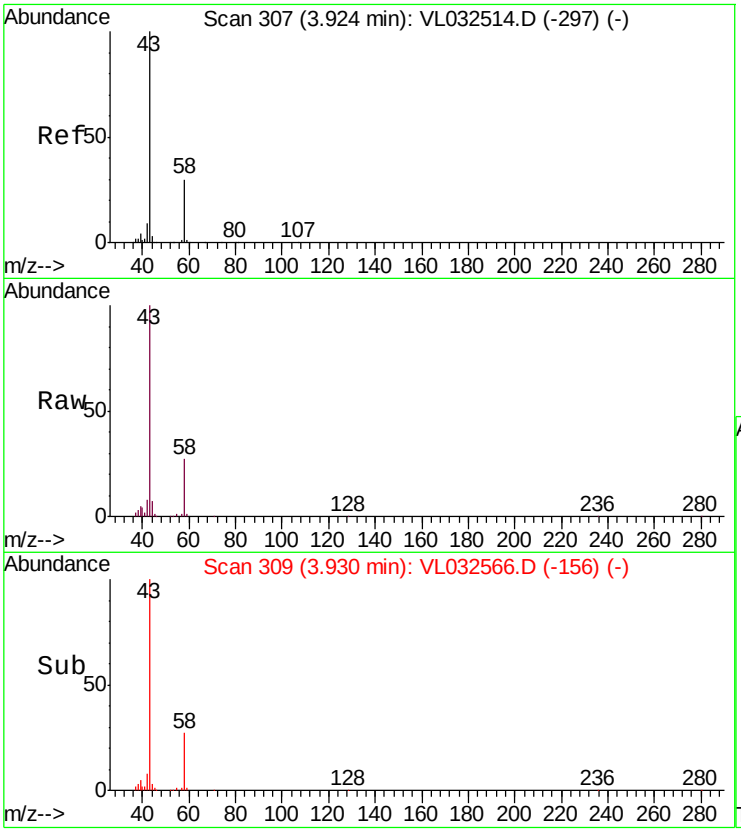


#13
Ethanol
Concen: 12.828 ppbv
RT: 3.67 min Scan# 229
Delta R.T. -0.01 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 45 Resp: 176882

Ion	Ratio	Lower	Upper
45	100		
46	39.1	14.2	56.8



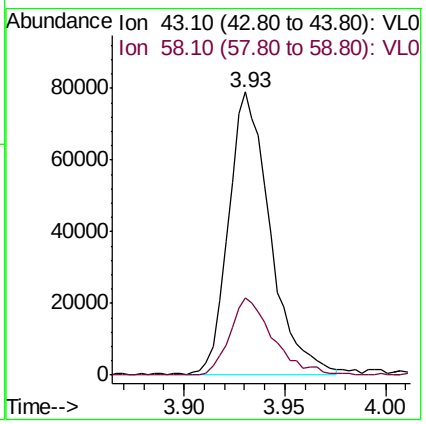


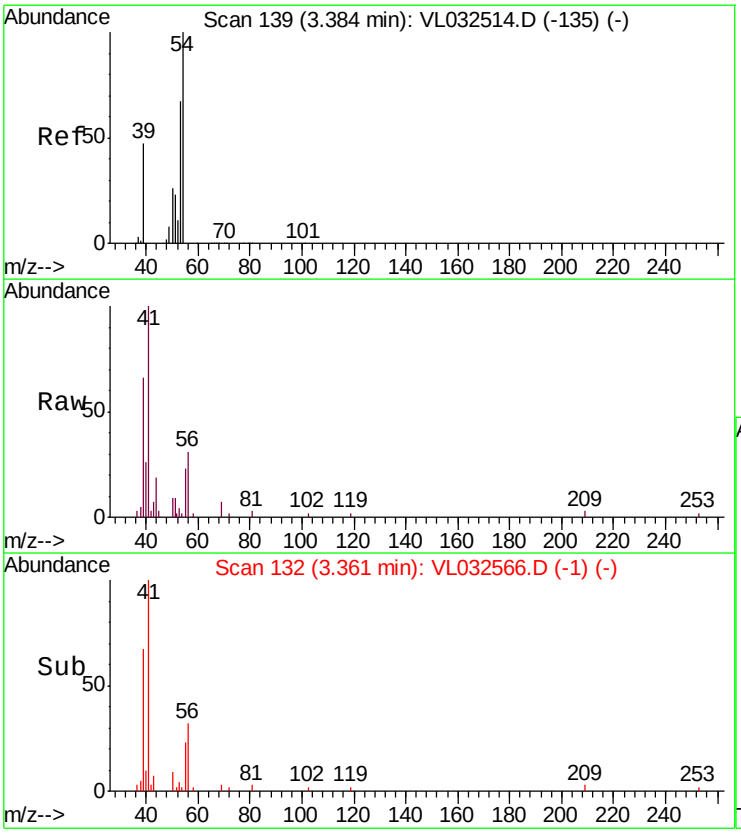
#15
Acetone
Concen: 1.017 ppbv
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument : MSVOA_L
ClientSampleId : LIA-1DL

Tgt Ion: 43 Resp: 113468

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.6	33.8

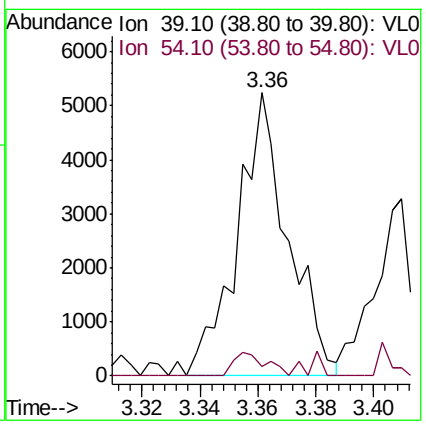


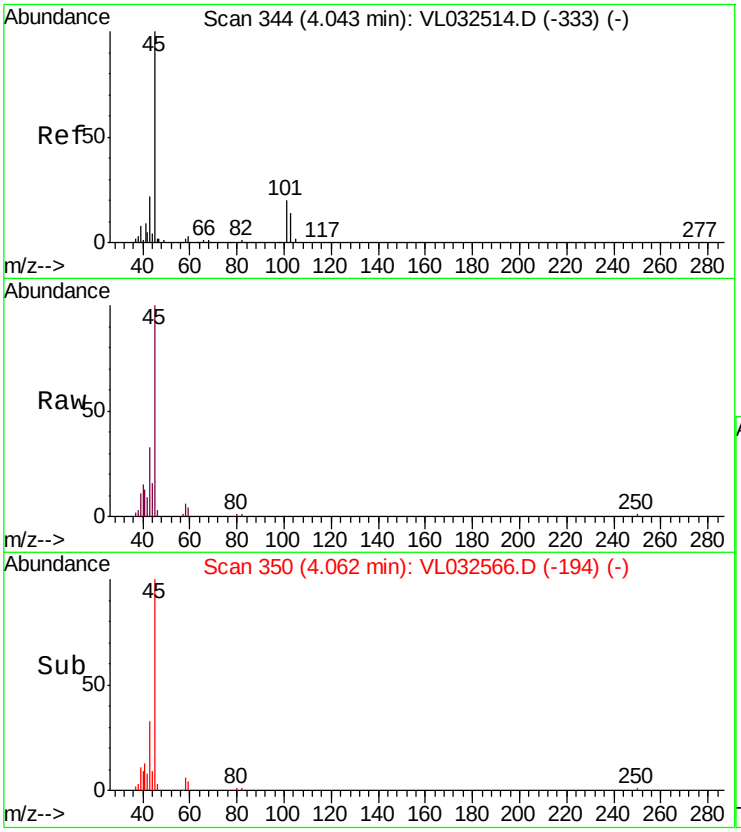


#16
1,3-Butadiene
Concen: 0.140 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.04 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 39 Resp: 6352

Ion	Ratio	Lower	Upper
39	100		
54	7.6	80.8	121.2#



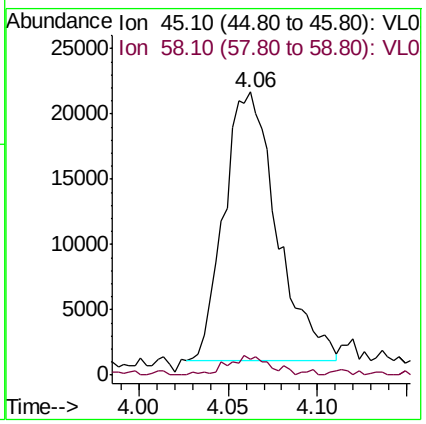


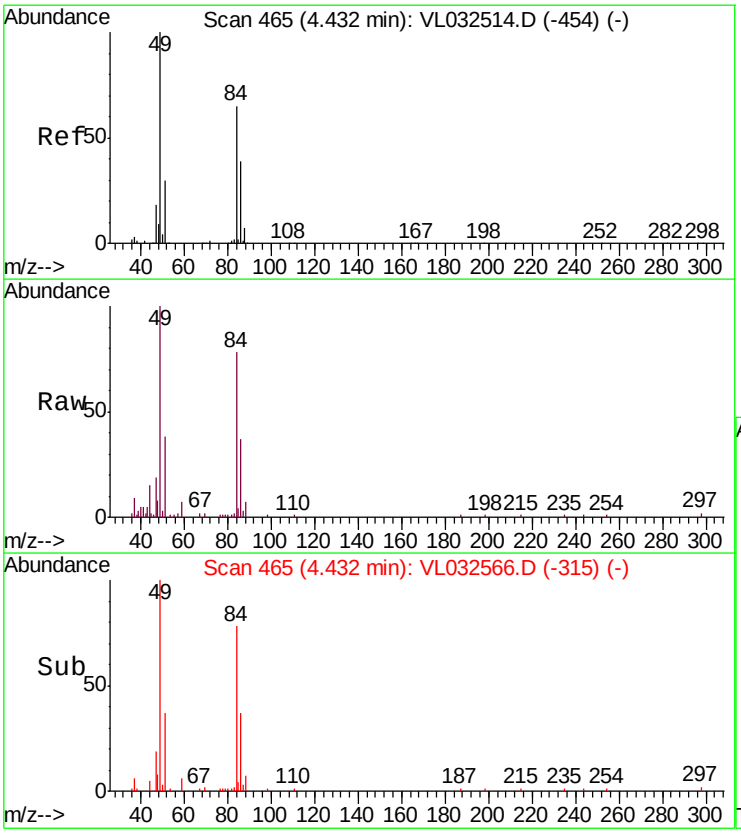
#19
Isopropyl Alcohol
Concen: 0.545 ppbv
RT: 4.06 min Scan# 350
Delta R.T. 0.00 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument : MSVOA_L
ClientSampleId : LIA-1DL

Tgt Ion: 45 Resp: 42342

Ion	Ratio	Lower	Upper
45	100		
58	6.3	2.0	3.0#

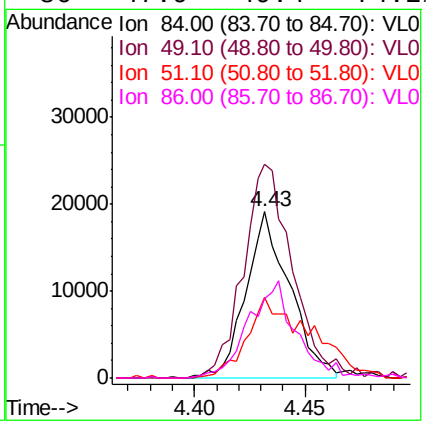


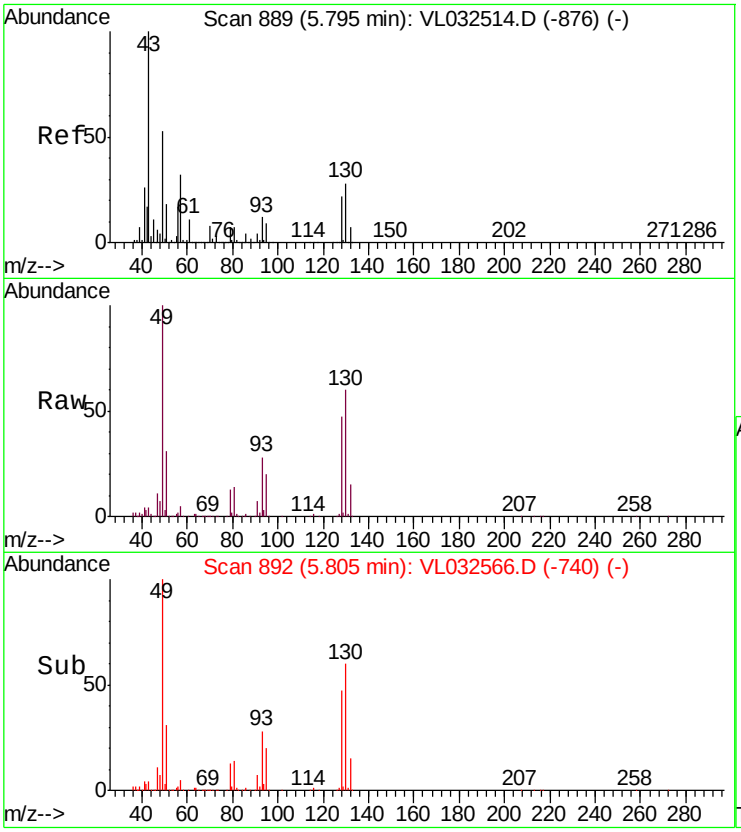


#20
Methylene Chloride
Concen: 0.490 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 84 Resp: 26489

Ion	Ratio	Lower	Upper
84	100		
49	128.7	119.1	178.7
51	48.4	35.2	52.8
86	47.9	49.4	74.2#



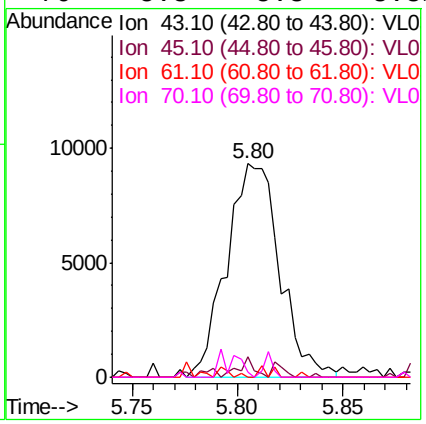


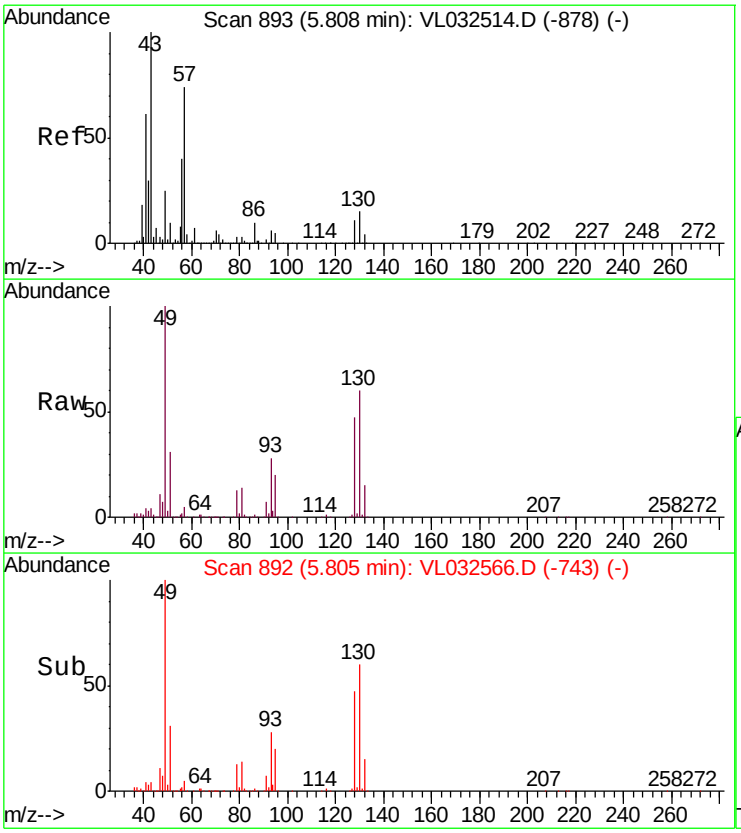
#25
Ethyl Acetate
Concen: 0.060 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument : MSVOA_L
ClientSampleId : LIA-1DL

Tgt Ion: 43 Resp: 16362

Ion	Ratio	Lower	Upper
43	100		
45	5.8	8.0	12.0#
61	3.2	7.6	11.4#
70	5.8	5.8	8.8#

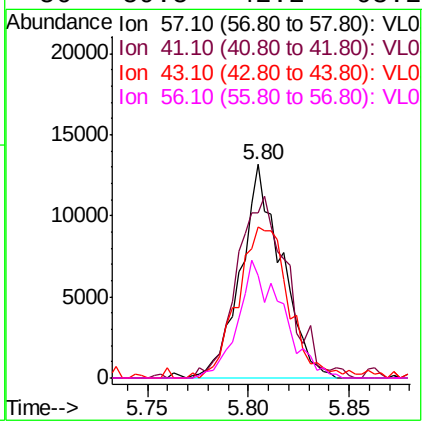


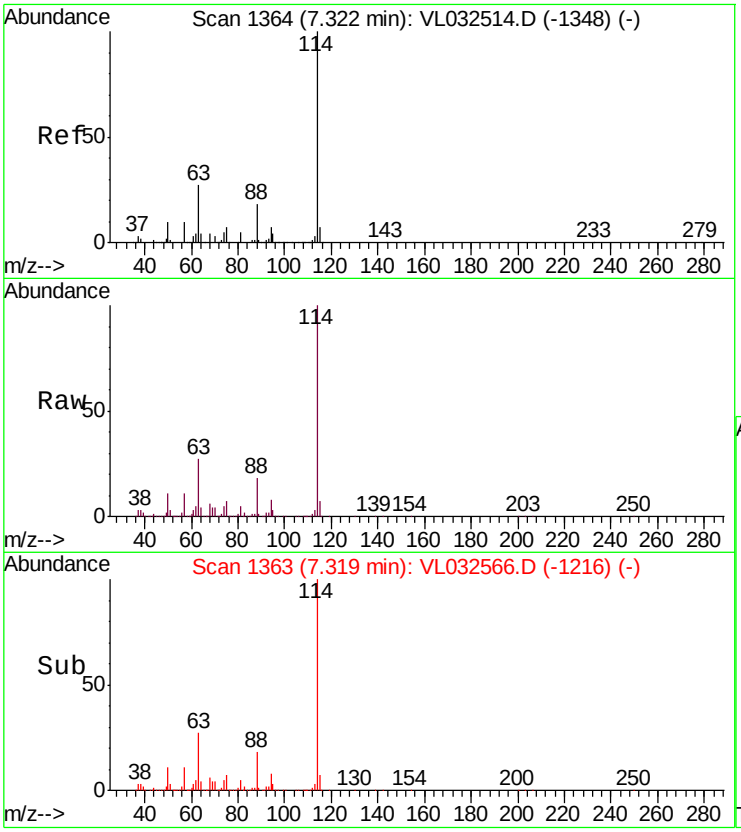


#26
Hexane
Concen: 0.153 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 57 Resp: 18729

Ion	Ratio	Lower	Upper
57	100		
41	107.8	69.0	103.4#
43	89.3	172.1	258.1#
56	59.5	42.2	63.2



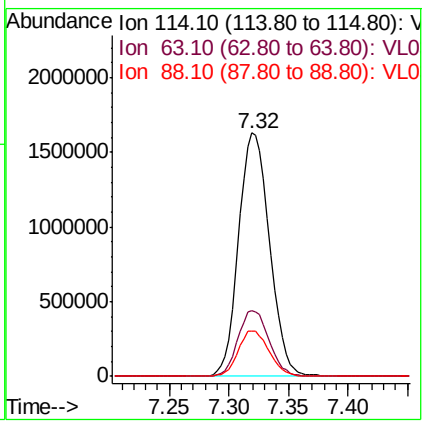


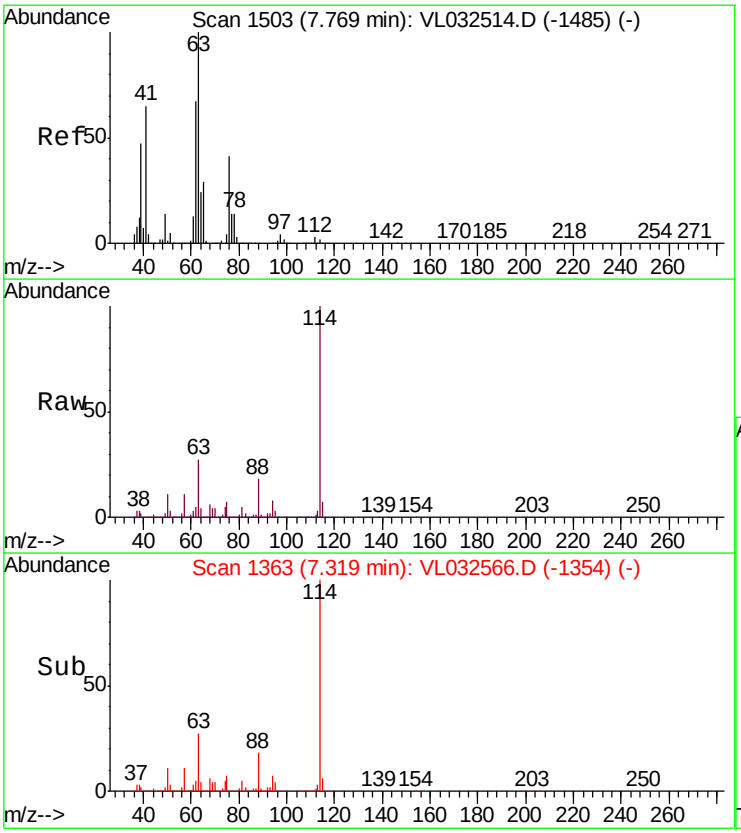
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.03 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
LIA-1DL

Tgt Ion:114 Resp: 2941435

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.8	15.0	22.4

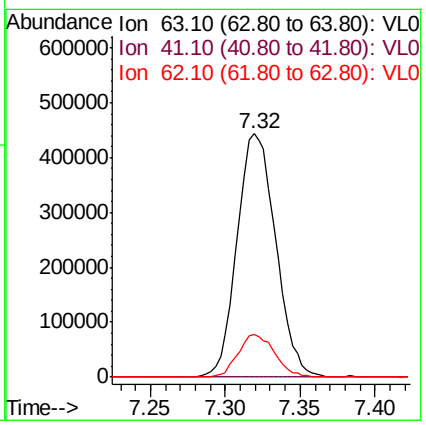


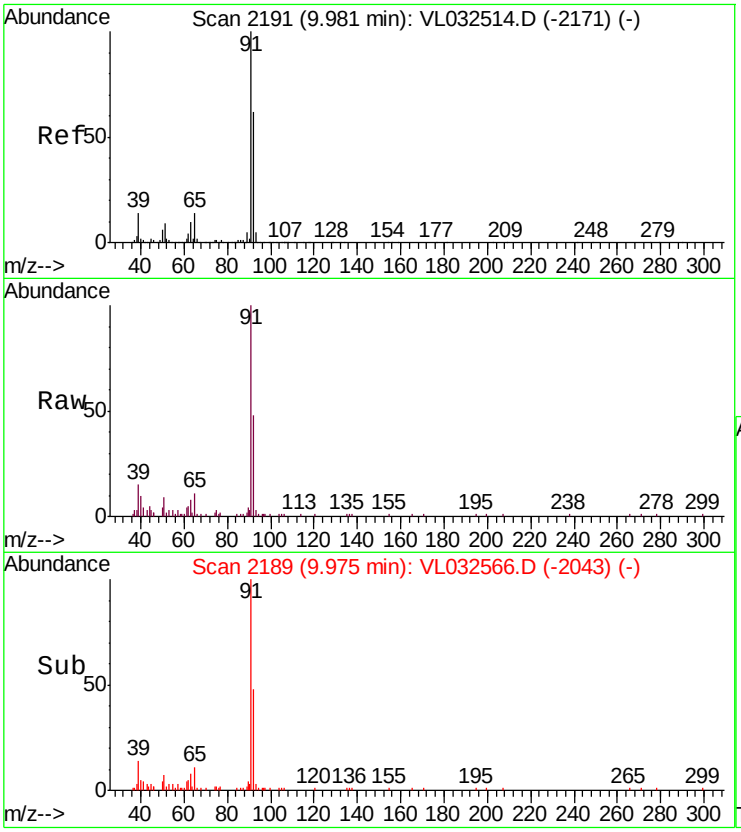


#39
1,2-Dichloropropane
Concen: 7.464 ppbv
RT: 7.32 min Scan# 1363
Delta R.T. -0.47 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 63 Resp: 799605

Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.4	83.0#
62	17.7	55.4	83.0#



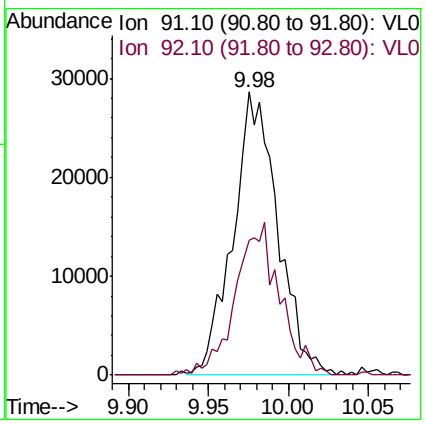


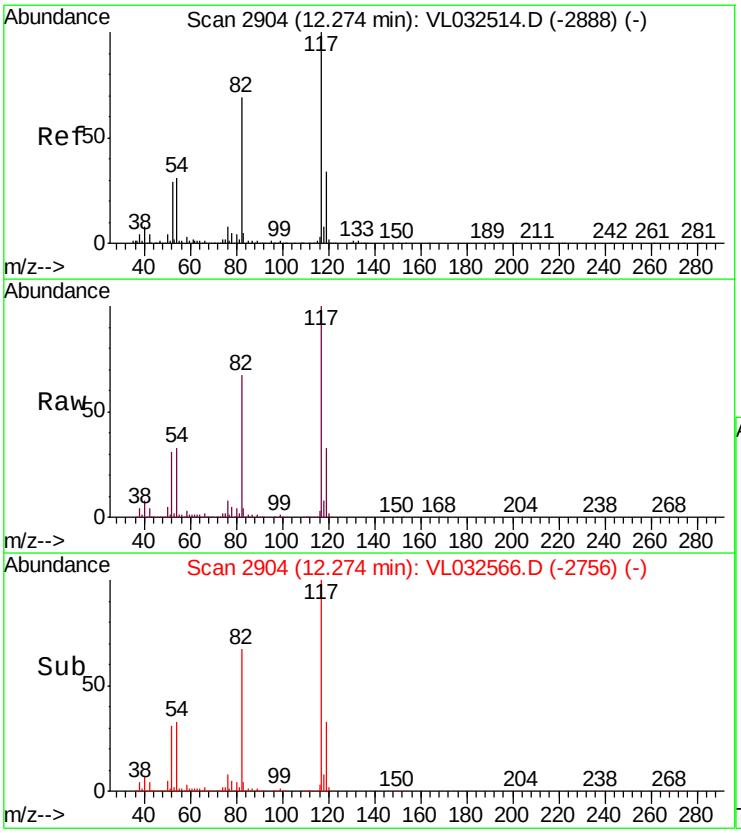
#53
Toluene
Concen: 0.189 ppbv
RT: 9.98 min Scan# 2189
Delta R.T. -0.03 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument : MSVOA_L
ClientSampleId : LIA-1DL

Tgt Ion: 91 Resp: 54799

Ion	Ratio	Lower	Upper
91	100		
92	53.2	48.1	72.1

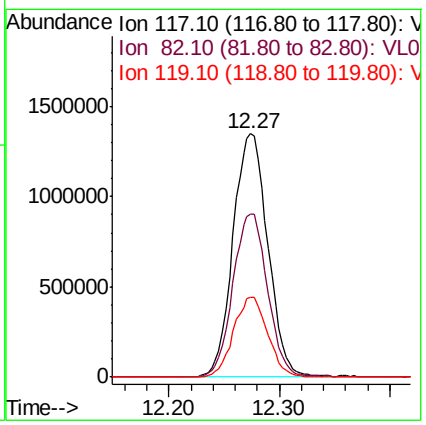


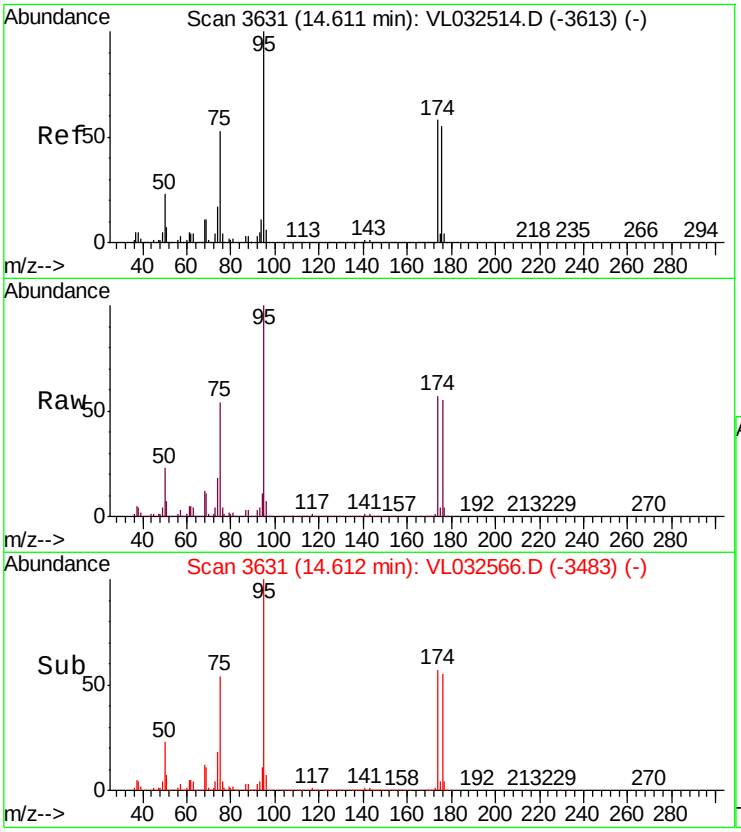


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion:117 Resp: 2946603

Ion	Ratio	Lower	Upper
117	100		
82	66.9	53.0	79.6
119	32.4	45.9	68.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.893 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
LIA-1DL

Tgt Ion: 95 Resp: 2198296

Ion	Ratio	Lower	Upper
95	100		
174	58.3	46.3	69.5
175	4.0	3.4	5.0