Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

Quantitation Report (Not Reviewed)

Data File : VL033539.D
Acq On : 4 Apr 2019 19:00
Operator : SY/AP
Sample : K2096-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-2DL

Quant Time: Apr 05 01:58:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1205583	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2818310	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2779112	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2192853	10.06	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	14335	0.082	ppbv		98
3) Chlorodifluoromethane	2.99	51	30434	0.219	ppbv	#	66
9) Propene	3.05	41	20545	0.352	ppbv	#	69
10) Heptane	8.25	43	8946	0.057	ppbv	#	85
13) Ethanol	3.65	45	209506	13.890	ppbv		66
15) Acetone	3.90	43	172969	1.193	ppbv		98
16) 1,3-Butadiene	3.34	39	1835	0.032	ppbv	#	6
17) tert-Butyl alcohol	4.37	59	990	0.037	ppbv	#	73
19) Isopropyl Alcohol	4.04	45	46768	0.510	ppbv	#	93
20) Methylene Chloride	4.41	84	28513	0.463	ppbv	#	83
25) Ethyl Acetate	5.77	43	14028	0.052	ppbv	#	91
26) Hexane	5.78	57	17448	0.146	ppbv	#	59
39) 1,2-Dichloropropane	7.29	63	736043	7.946	ppbv	#	24
53) Toluene	9.94	91	14600	0.053	ppbv	#	65

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040419\

Quantitation Report (Not Reviewed)

Data File : VL033539.D
Acq On : 4 Apr 2019 19:00
Operator : SY/AP
Sample : K2096-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
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Quant Time: Apr 05 01:58:30 2019
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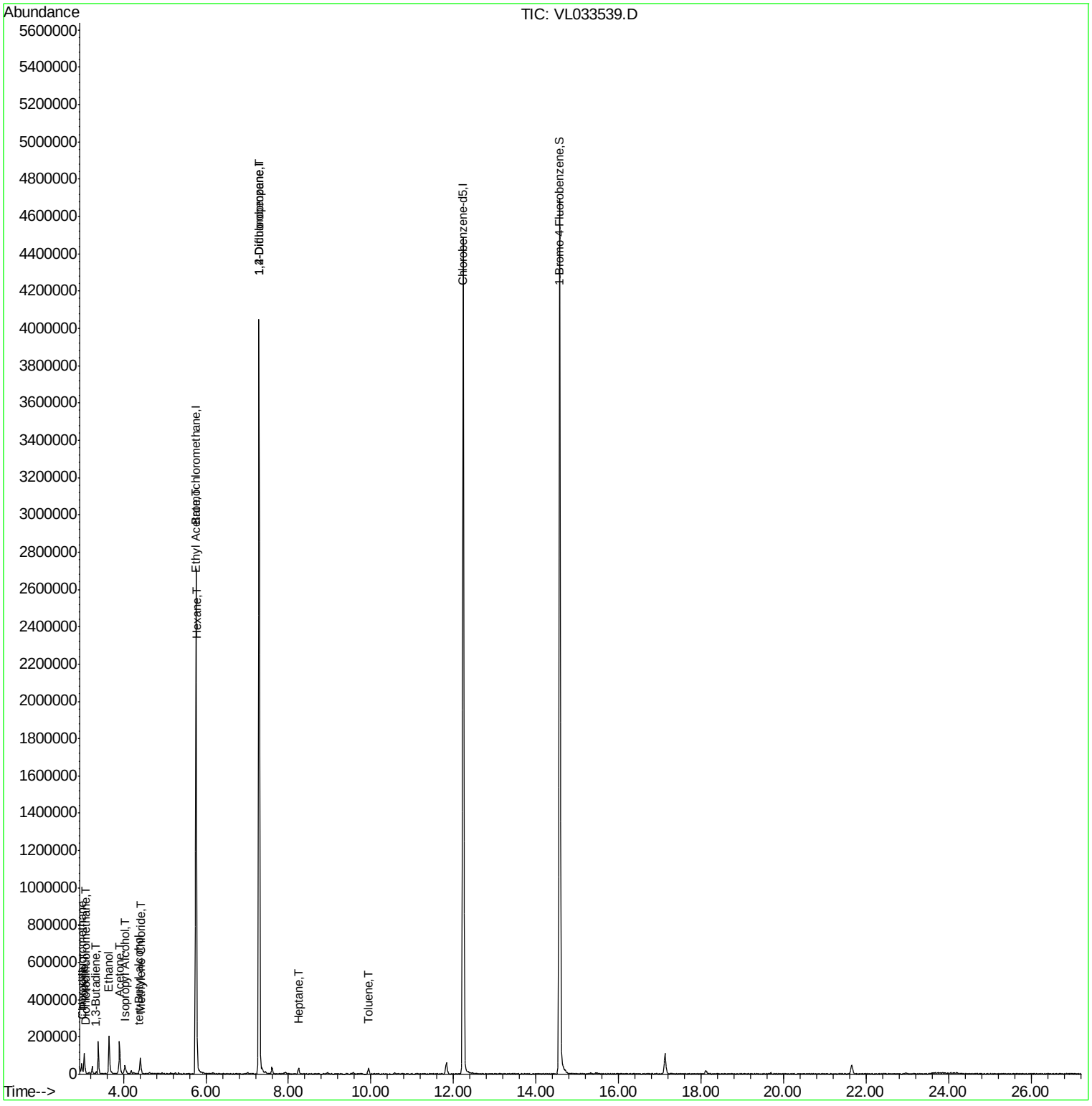
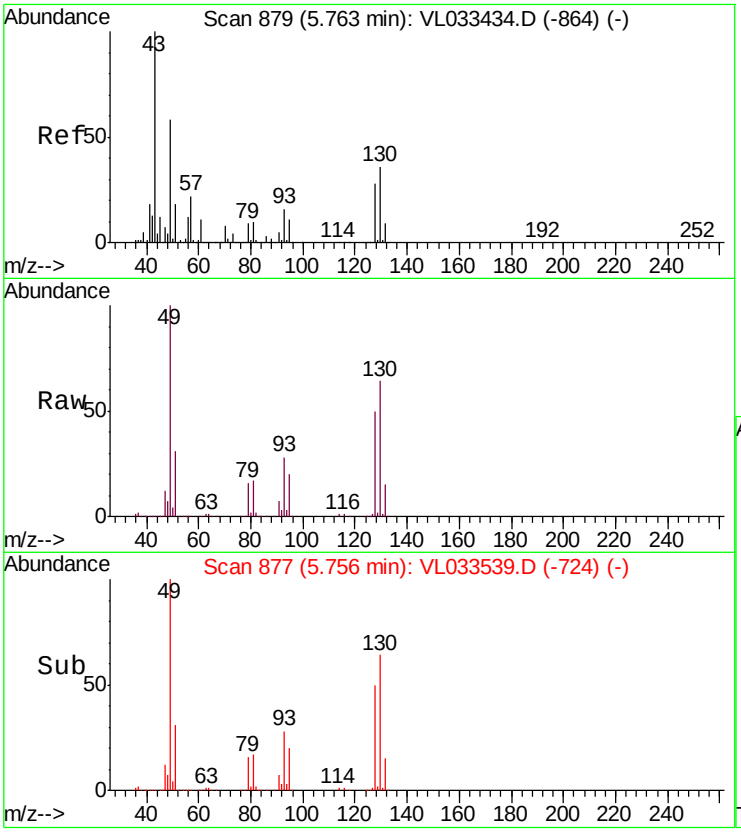
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



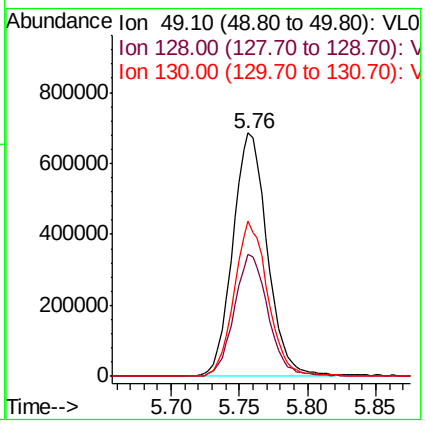


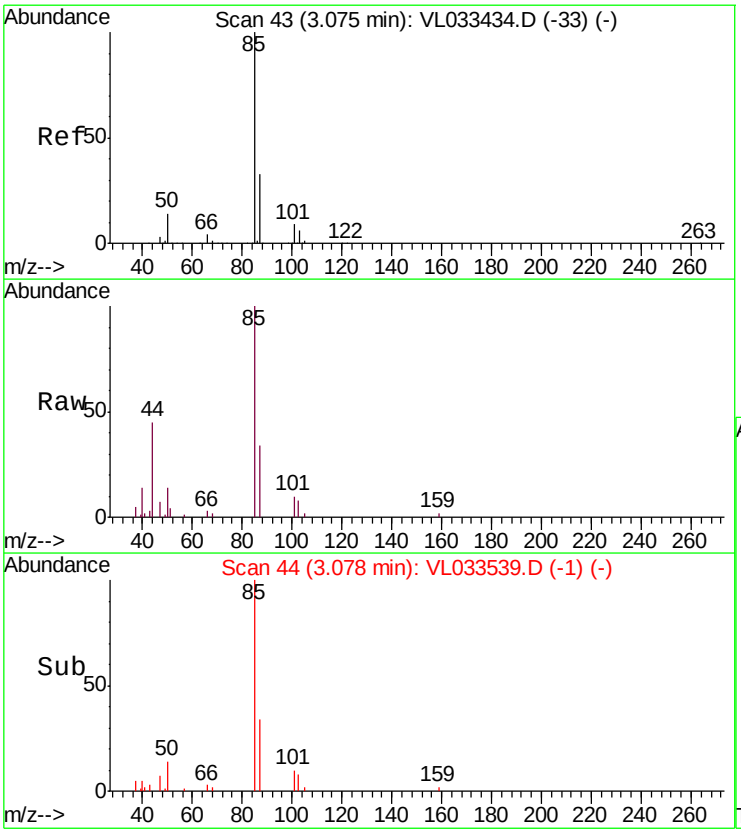
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument :
MSVOA_L
ClientSampleId :
A-2DL

Tgt Ion: 49 Resp: 1205583

Ion	Ratio	Lower	Upper
49	100		
128	49.4	24.0	72.0
130	62.6	31.2	93.6

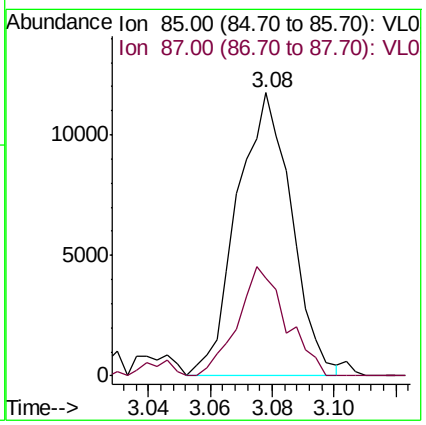


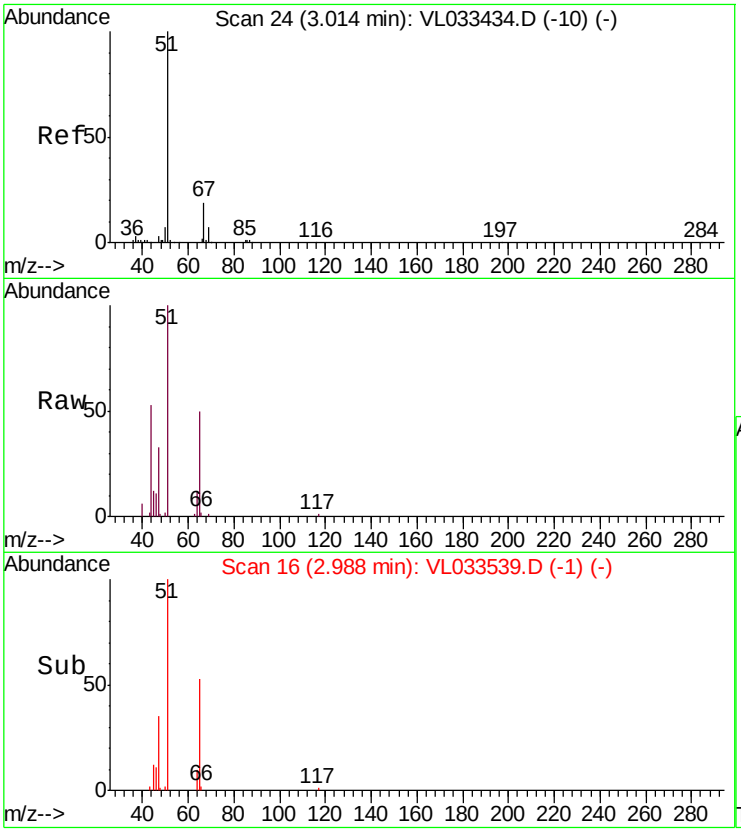


#2
Dichlorodifluoromethane
Concen: 0.082 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 85 Resp: 14335

Ion	Ratio	Lower	Upper
85	100		
87	34.4	26.7	40.1



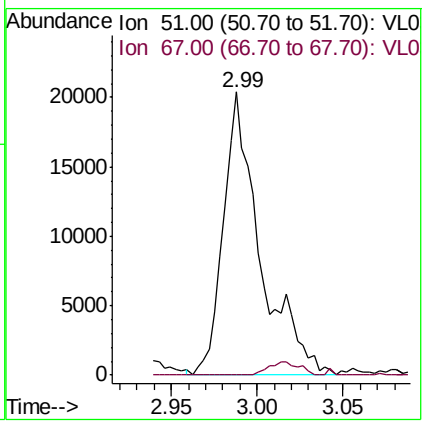


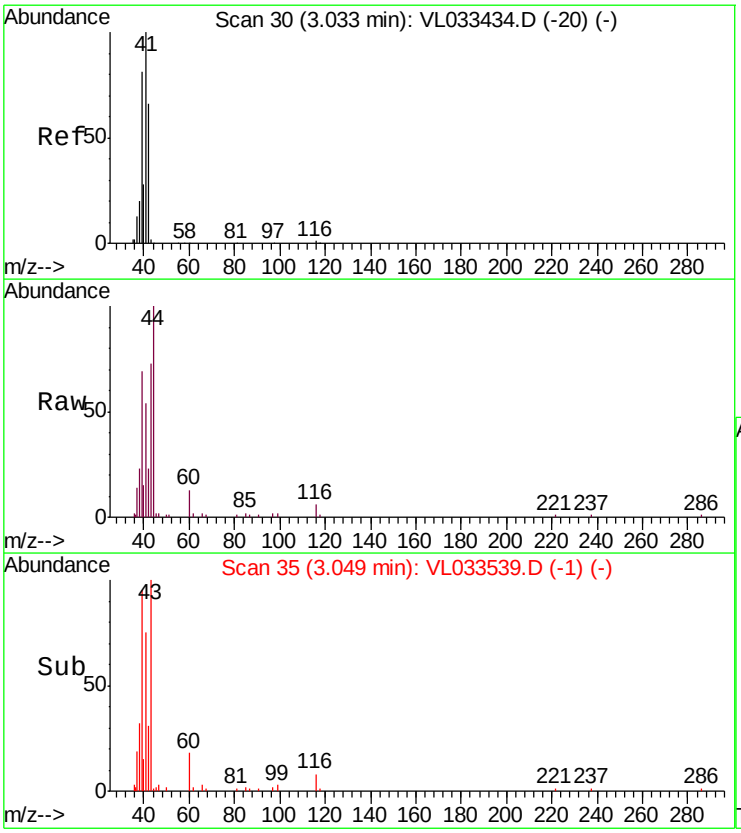
#3
Chlorodifluoromethane
Concen: 0.219 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument : MSVOA_L
ClientSampleId : A-2DL

Tgt Ion: 51 Resp: 30434

Ion	Ratio	Lower	Upper
51	100		
67	4.1	15.7	23.5#

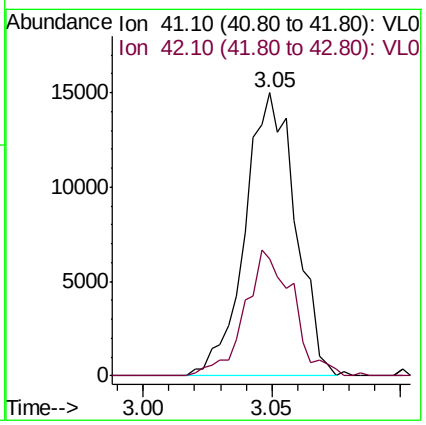


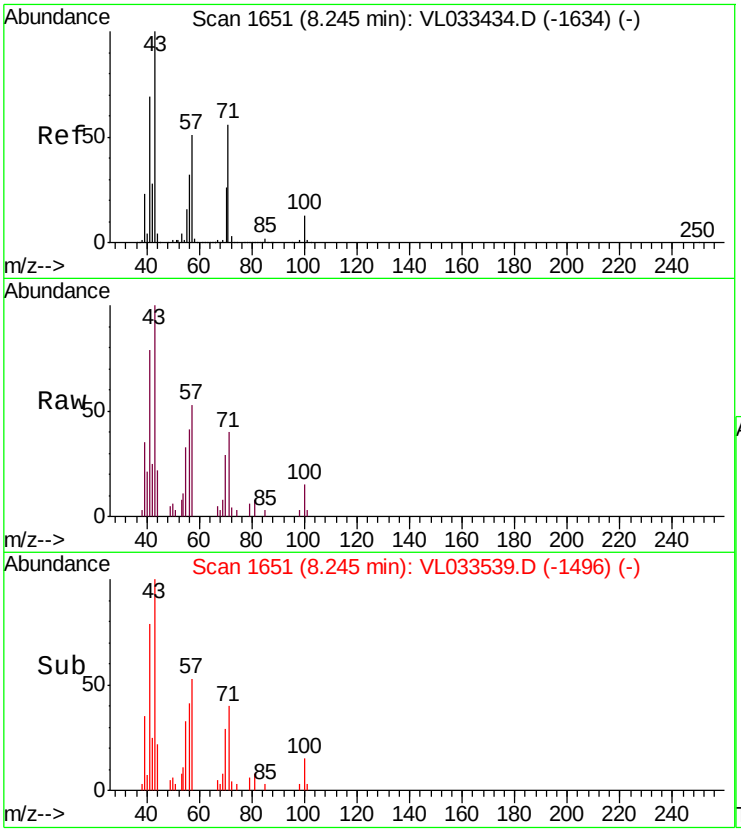


#9
Propene
Concen: 0.352 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.02 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 41 Resp: 20545

Ion	Ratio	Lower	Upper
41	100		
42	42.6	53.9	80.9#



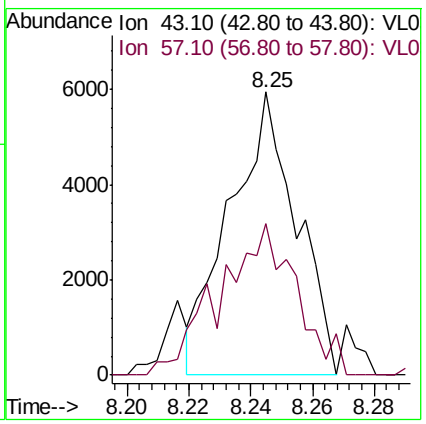


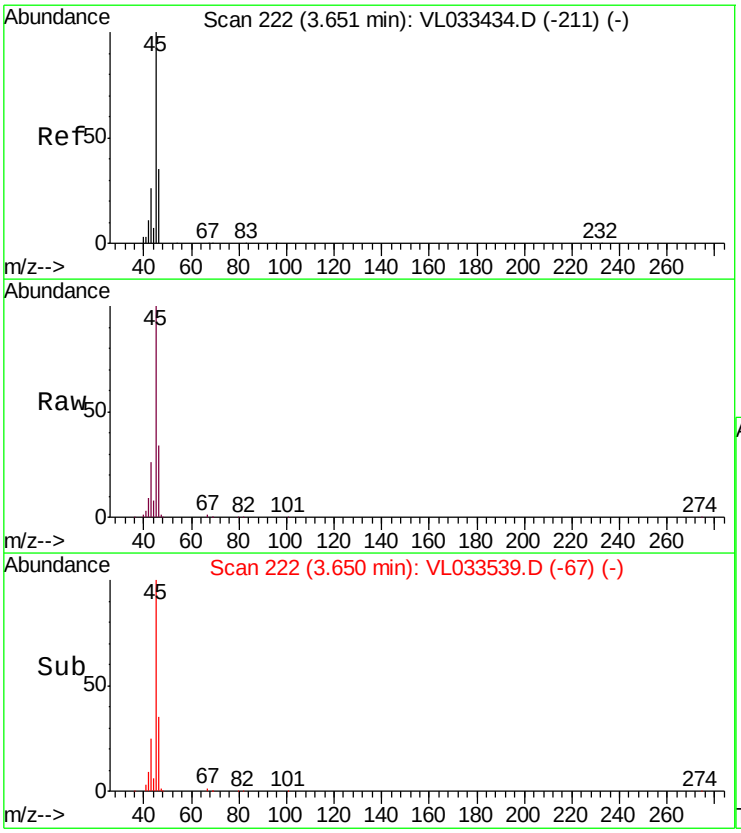
#10
Heptane
Concen: 0.057 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument :
MSVOA_L
ClientSampleId :
A-2DL

Tgt Ion: 43 Resp: 8946

Ion	Ratio	Lower	Upper
43	100		
57	61.3	40.6	60.8#

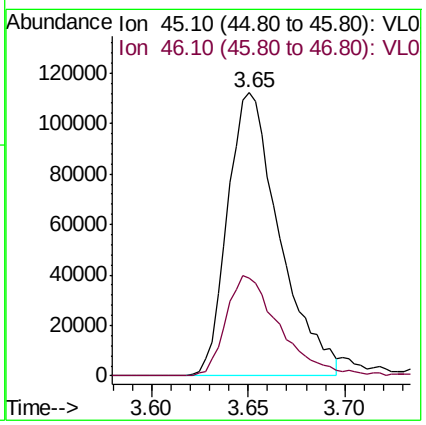


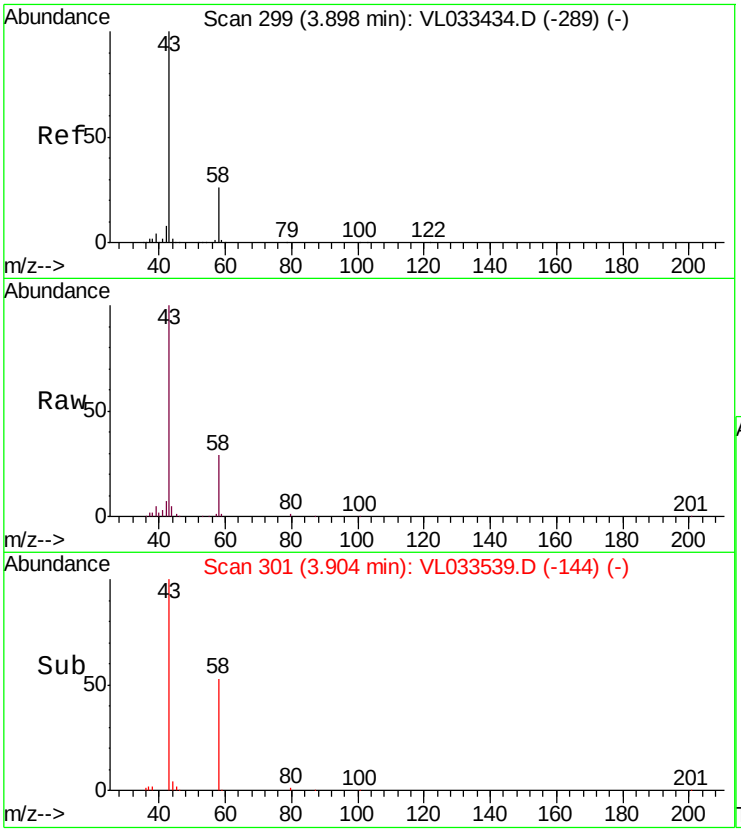


#13
Ethanol
Concen: 13.890 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 45 Resp: 209506

Ion	Ratio	Lower	Upper
45	100		
46	37.1	25.4	101.8



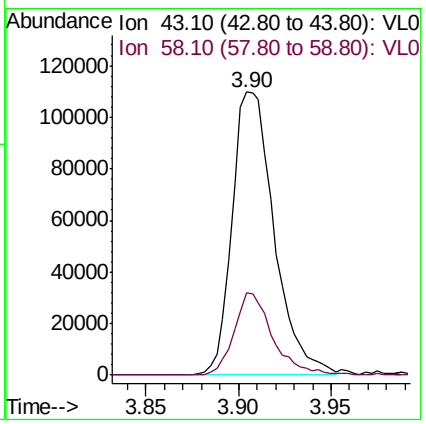


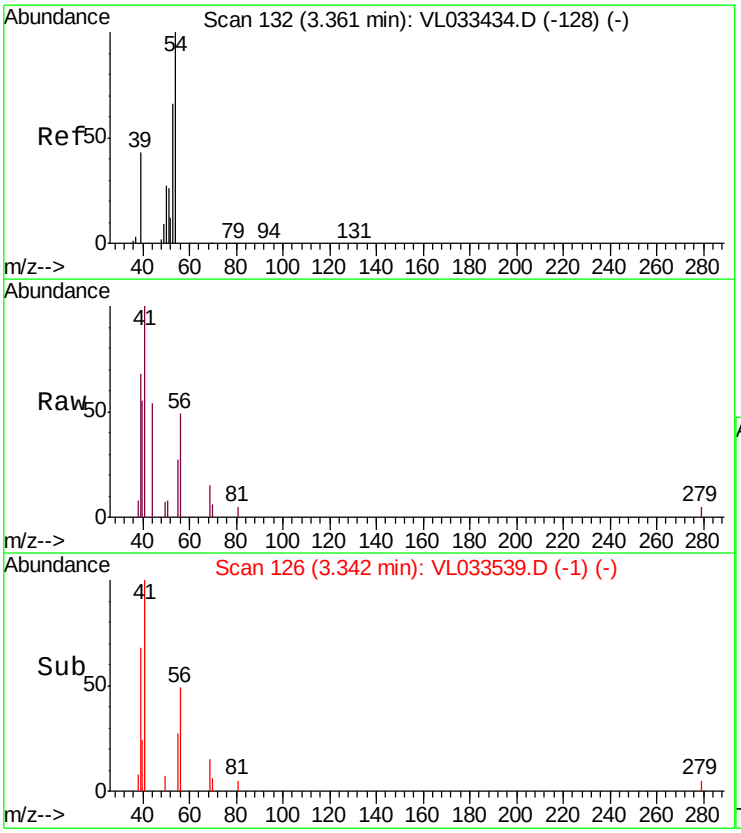
#15
Acetone
Concen: 1.193 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument : MSVOA_L
ClientSampleId : A-2DL

Tgt Ion: 43 Resp: 172969

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.5	30.7

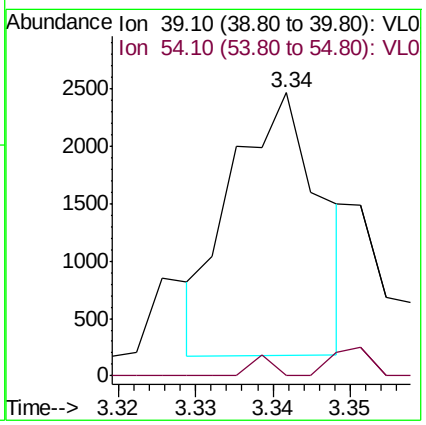


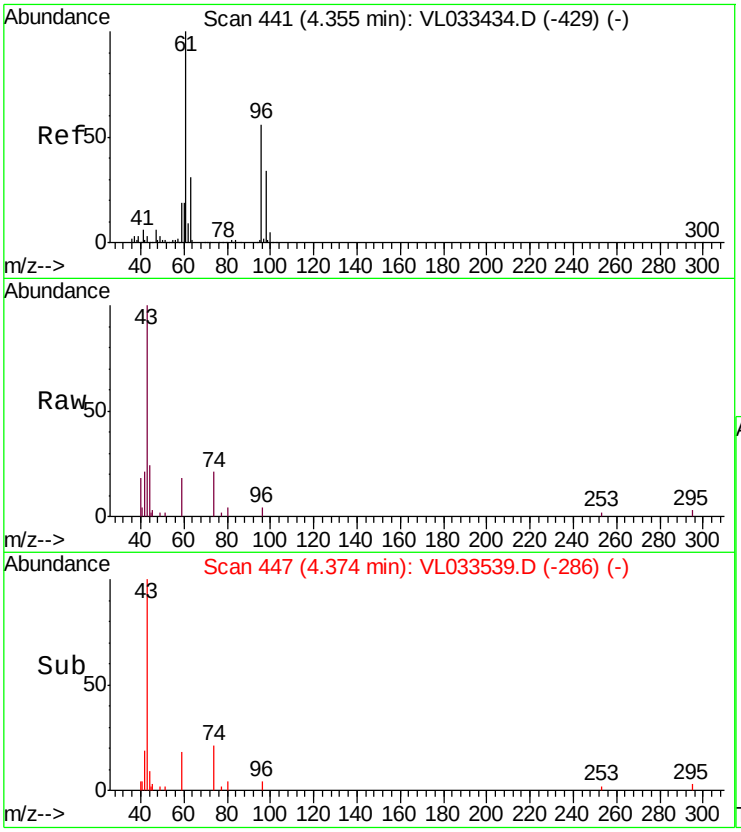


#16
1,3-Butadiene
Concen: 0.032 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 39 Resp: 1835

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.4	104.2#



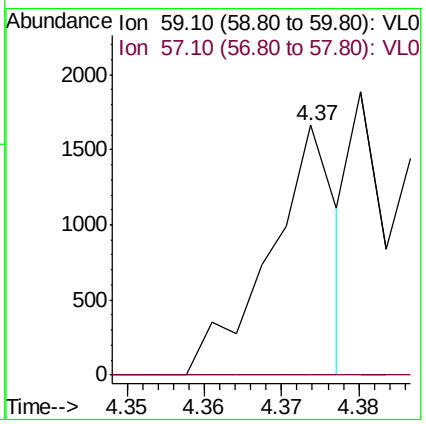


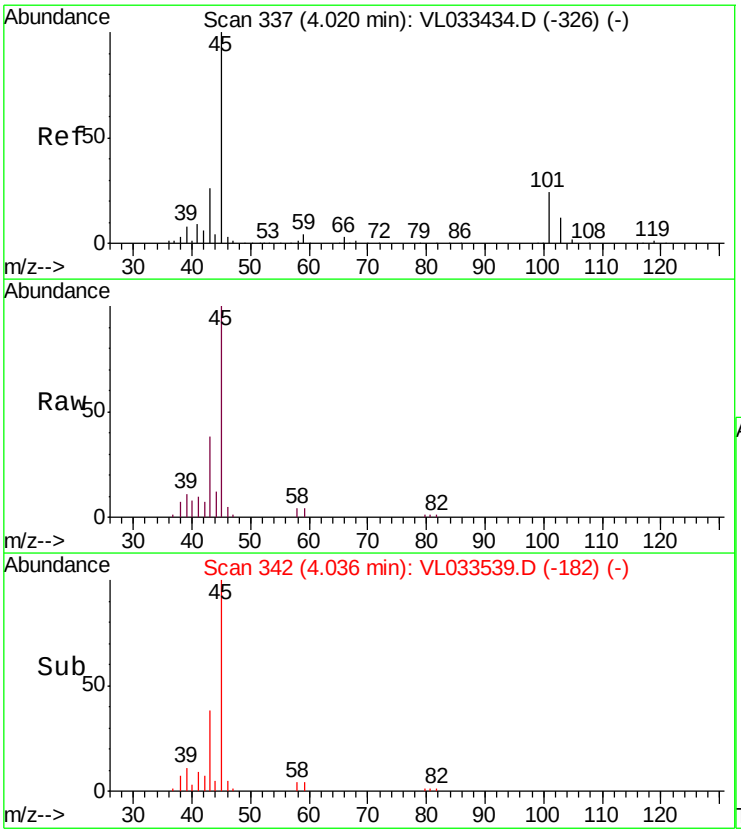
#17
tert-Butyl alcohol
Concen: 0.037 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.02 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument :
MSVOA_L
ClientSampleId :
A-2DL

Tgt Ion: 59 Resp: 990

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

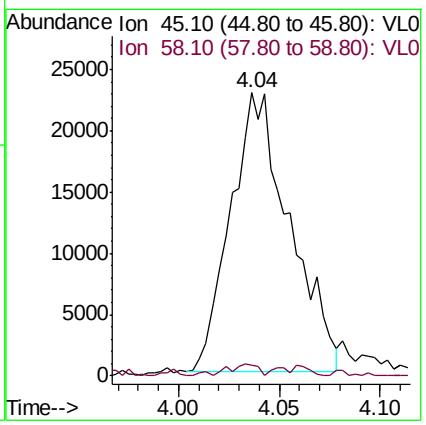


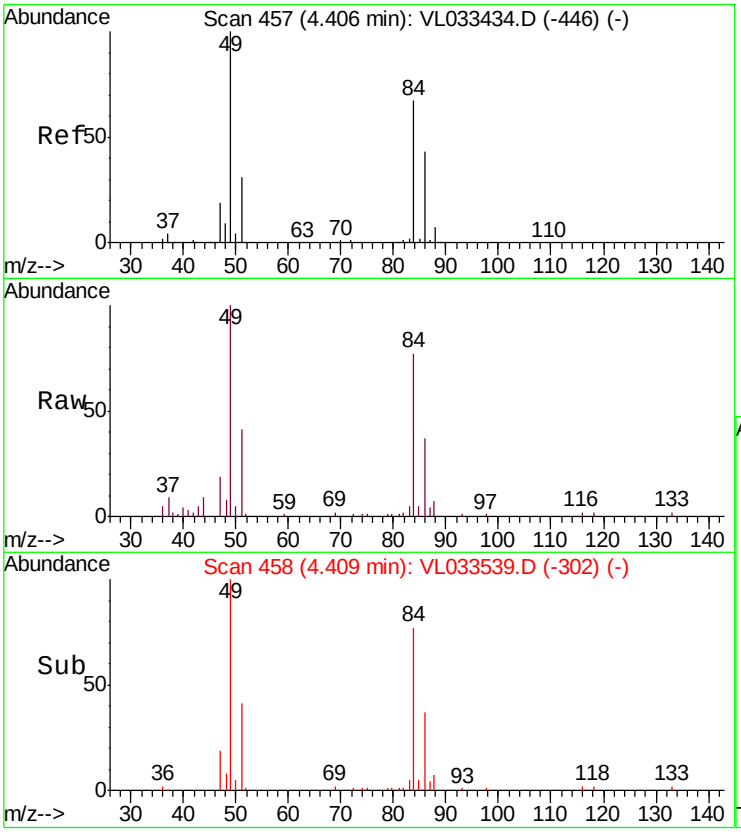


#19
Isopropyl Alcohol
Concen: 0.510 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.02 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 45 Resp: 46768

Ion	Ratio	Lower	Upper
45	100		
58	4.2	1.4	2.2#



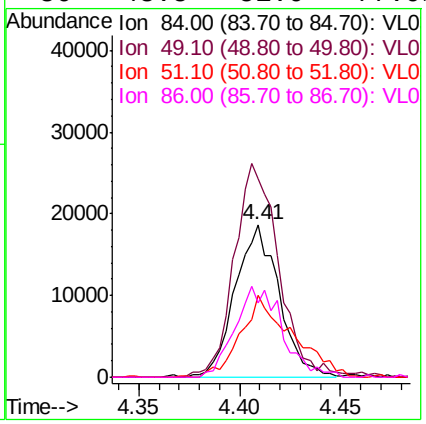


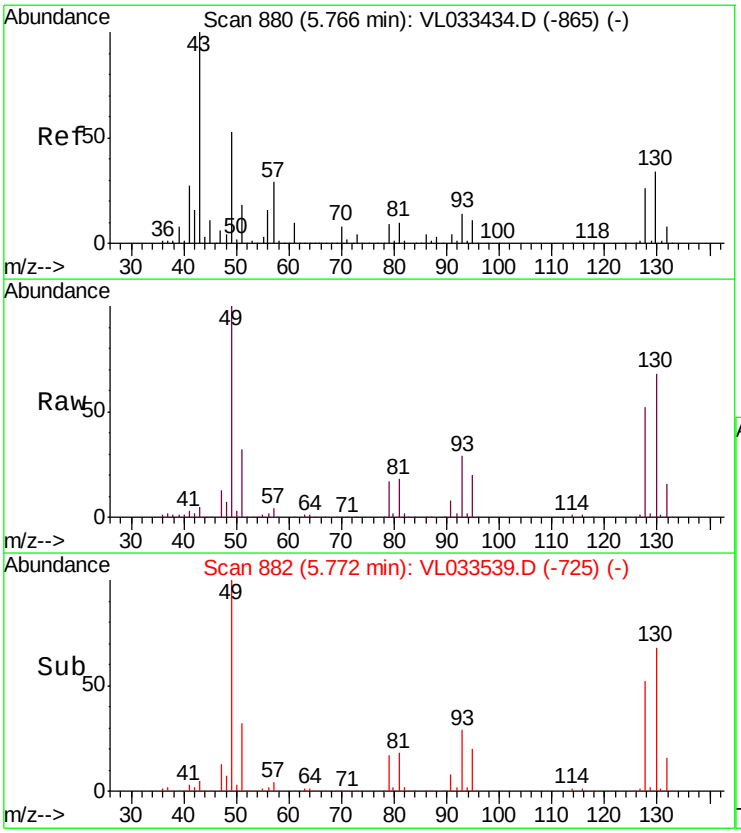
#20
Methylene Chloride
Concen: 0.463 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument : MSVOA_L
ClientSampleId : A-2DL

Tgt Ion: 84 Resp: 28513

Ion	Ratio	Lower	Upper
84	100		
49	128.8	120.0	180.0
51	53.6	36.7	55.1
86	48.5	51.9	77.9#

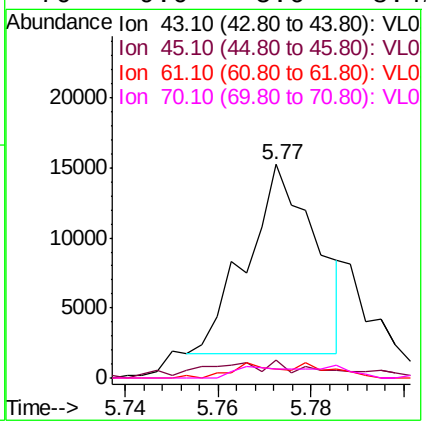


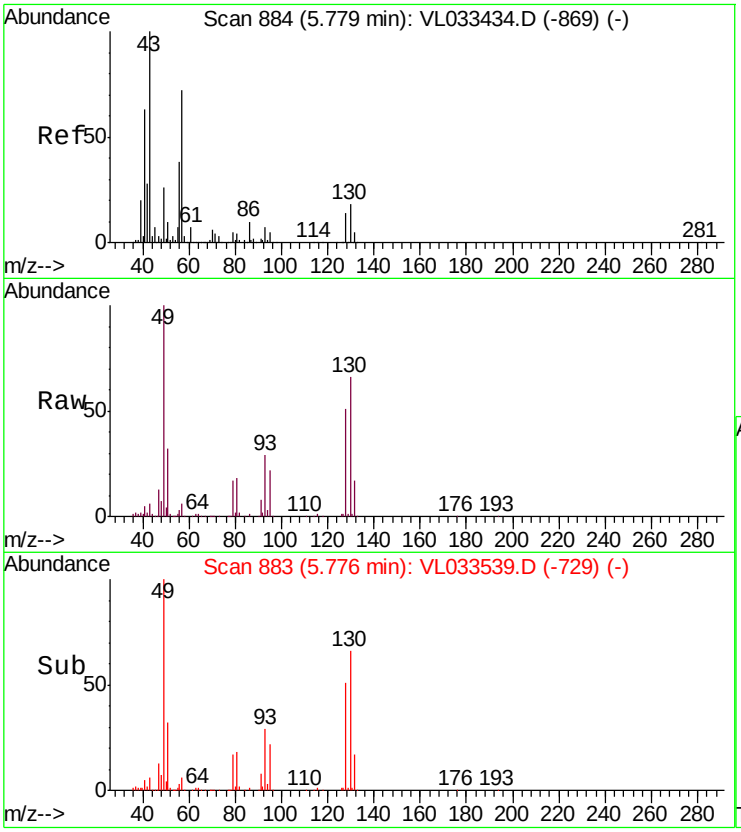


#25
Ethyl Acetate
Concen: 0.052 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 43 Resp: 14028

Ion	Ratio	Lower	Upper
43	100		
45	16.4	7.8	11.6#
61	9.7	7.3	10.9
70	9.0	5.6	8.4#



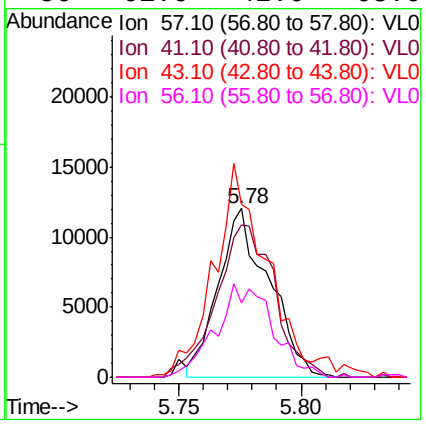


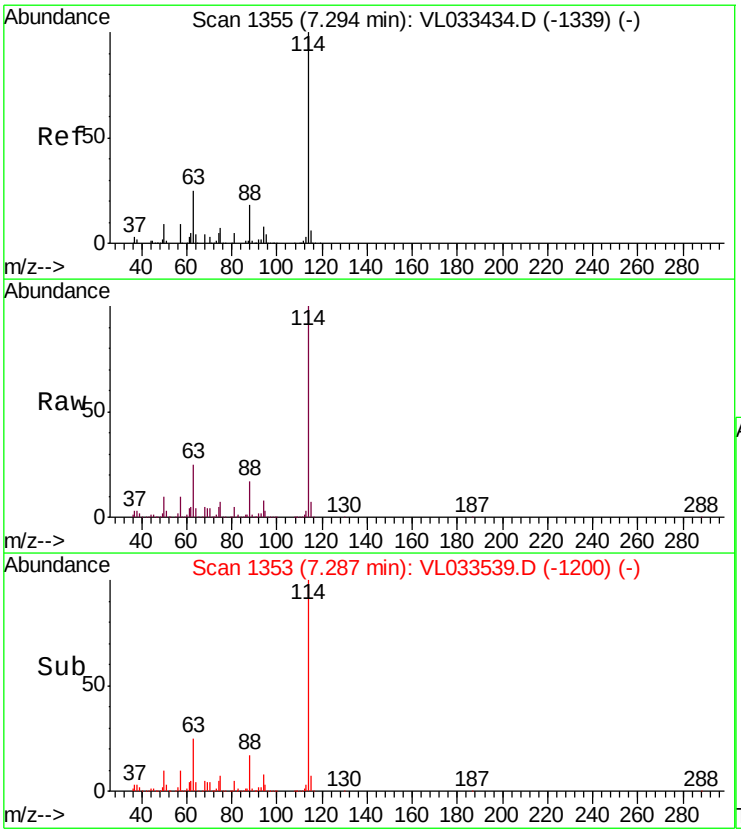
#26
Hexane
Concen: 0.146 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument :
MSVOA_L
ClientSampleId :
A-2DL

Tgt Ion: 57 Resp: 17448

Ion	Ratio	Lower	Upper
57	100		
41	103.6	70.7	106.1
43	134.3	182.6	274.0#
56	61.6	42.0	63.0

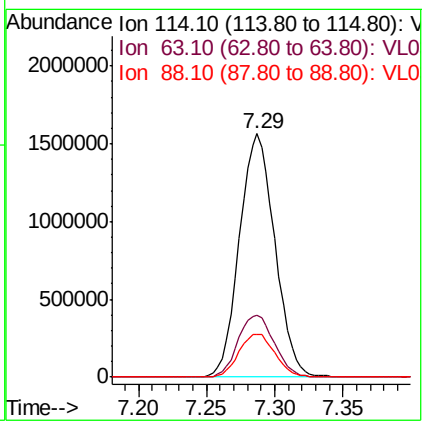


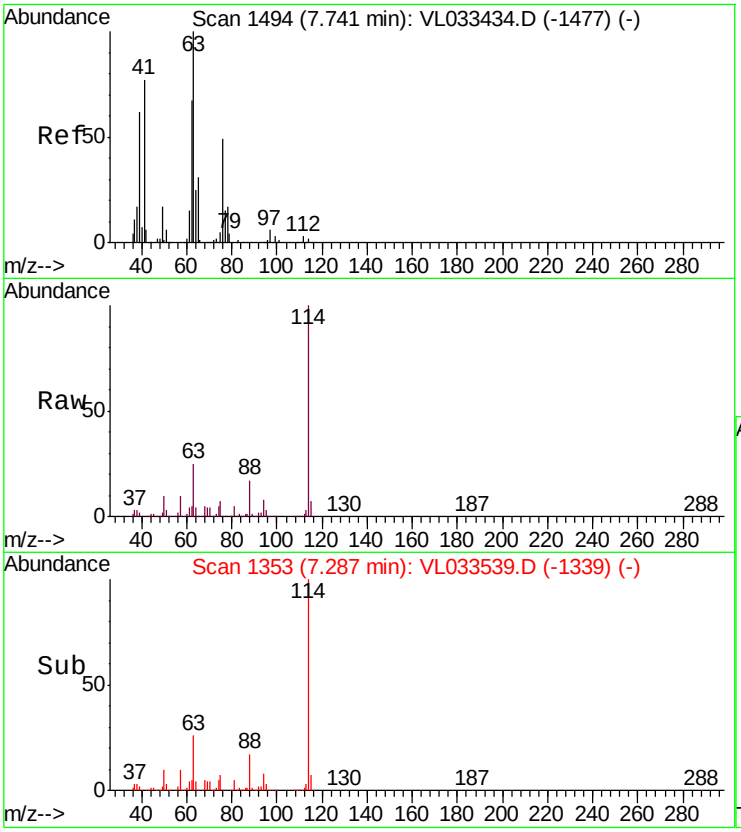


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion:114 Resp: 2818310

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.5	32.3
88	18.0	14.5	21.7



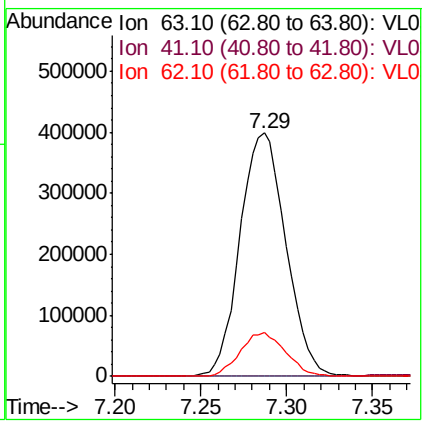


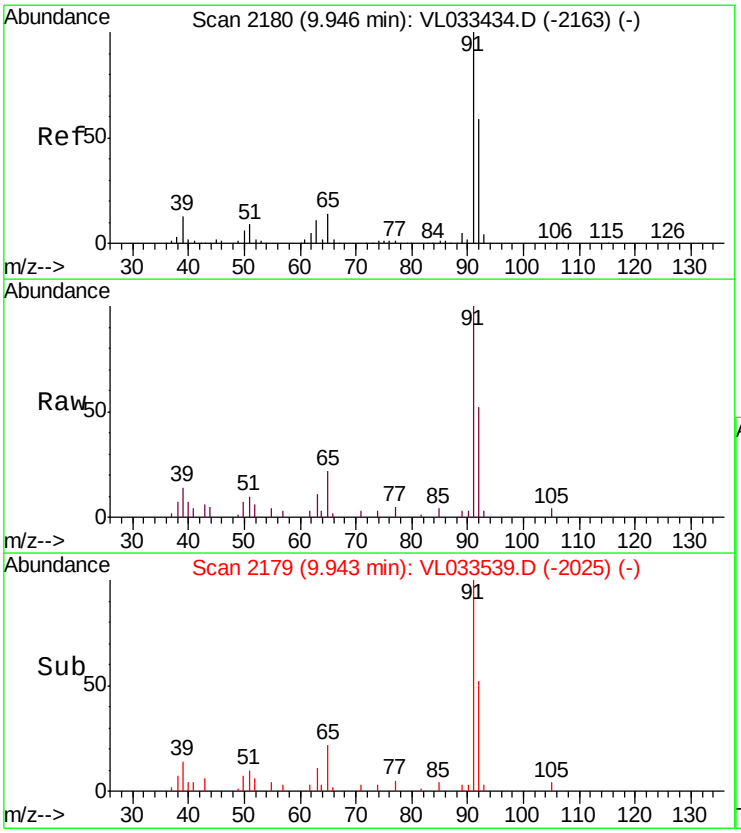
#39
1,2-Dichloropropane
Concen: 7.946 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument : MSVOA_L
ClientSampleId : A-2DL

Tgt Ion: 63 Resp: 736043

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	17.8	54.0	81.0#

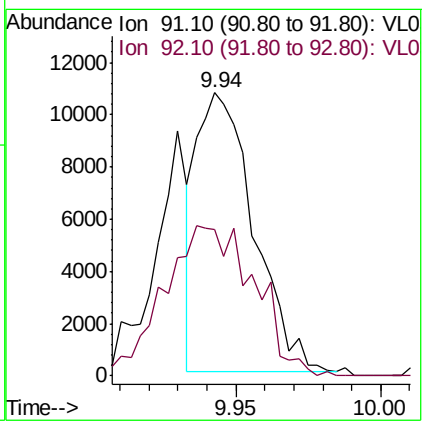


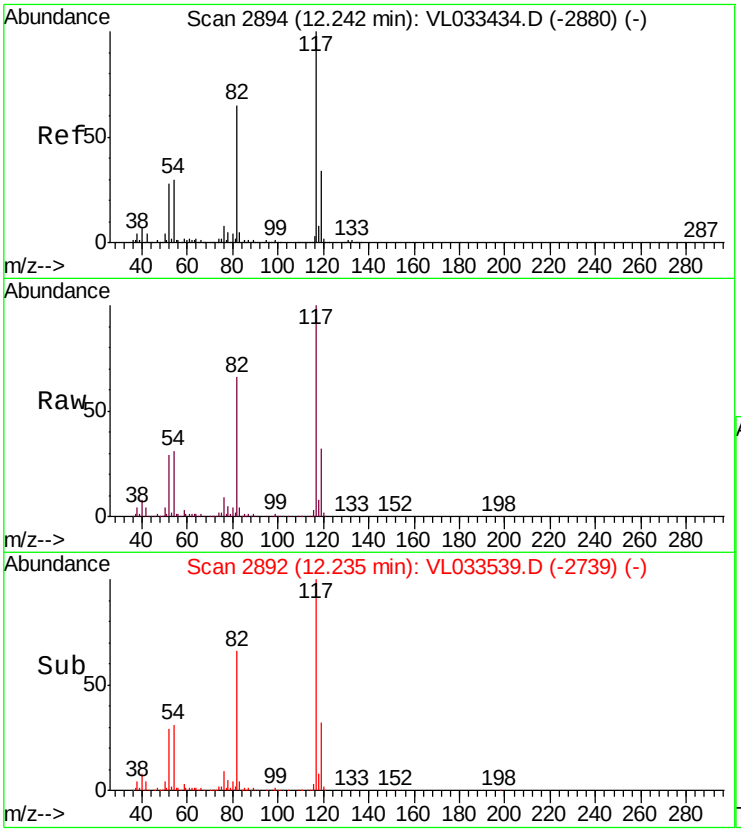


#53
Toluene
Concen: 0.053 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 91 Resp: 14600

Ion	Ratio	Lower	Upper
91	100		
92	85.4	47.4	71.0#



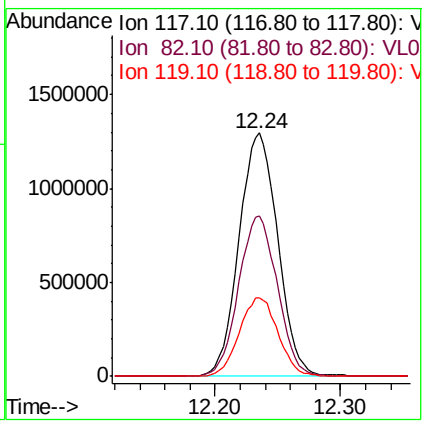


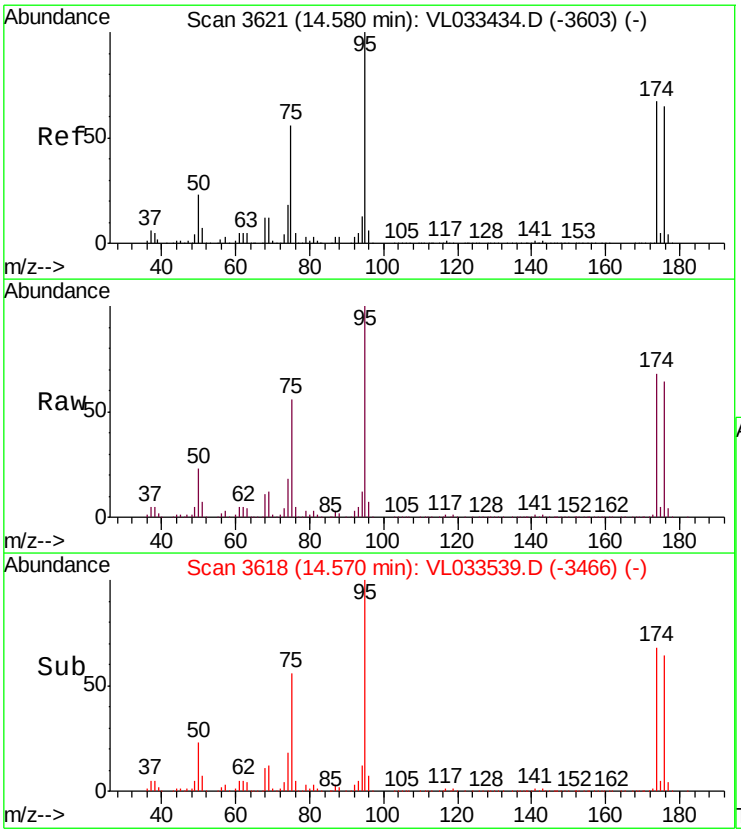
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Instrument : MSVOA_L
ClientSampleId : A-2DL

Tgt Ion:117 Resp: 2779112

Ion	Ratio	Lower	Upper
117	100		
82	66.4	51.5	77.3
119	32.4	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.065 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033539.D
Acq: 4 Apr 2019 19:00

Tgt Ion: 95 Resp: 2192853

Ion	Ratio	Lower	Upper
95	100		
174	67.8	52.9	79.3
175	4.8	3.8	5.6