Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

Quantitation Report (Not Reviewed)

Data File : VL033367.D
Acq On : 18 Mar 2019 20:41
Operator : SY/AP
Sample : K1827-09DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-9DL

Quant Time: Mar 19 06:55:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	757164	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1680111	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	1854080	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1407617	10.25	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	10837	0.081	ppbv	#	74
3) Chlorodifluoromethane	3.01	51	26485	0.305	ppbv	#	80
4) Chloromethane	3.17	50	3077	0.065	ppbv	#	83
9) Propene	3.05	41	6181	0.159	ppbv	#	76
10) Heptane	8.24	43	4713	0.049	ppbv	#	77
13) Ethanol	3.65	45	193393	10.457	ppbv		99
15) Acetone	3.91	43	65883	0.560	ppbv		98
17) tert-Butyl alcohol	4.04	59	1436	0.087	ppbv		99
19) Isopropyl Alcohol	4.04	45	38702	0.691	ppbv	#	84
20) Methylene Chloride	4.41	84	8578	0.223	ppbv	#	68
25) Ethyl Acetate	5.77	43	32615	0.191	ppbv		98
26) Hexane	5.77	57	7149	0.093	ppbv	#	1
39) 1,2-Dichloropropane	7.29	63	449207	7.978	ppbv	#	25
50) 4-Methyl-2-Pentanone	8.90	43	5535	0.036	ppbv	#	40
53) Toluene	9.95	91	260094	1.522	ppbv		99

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

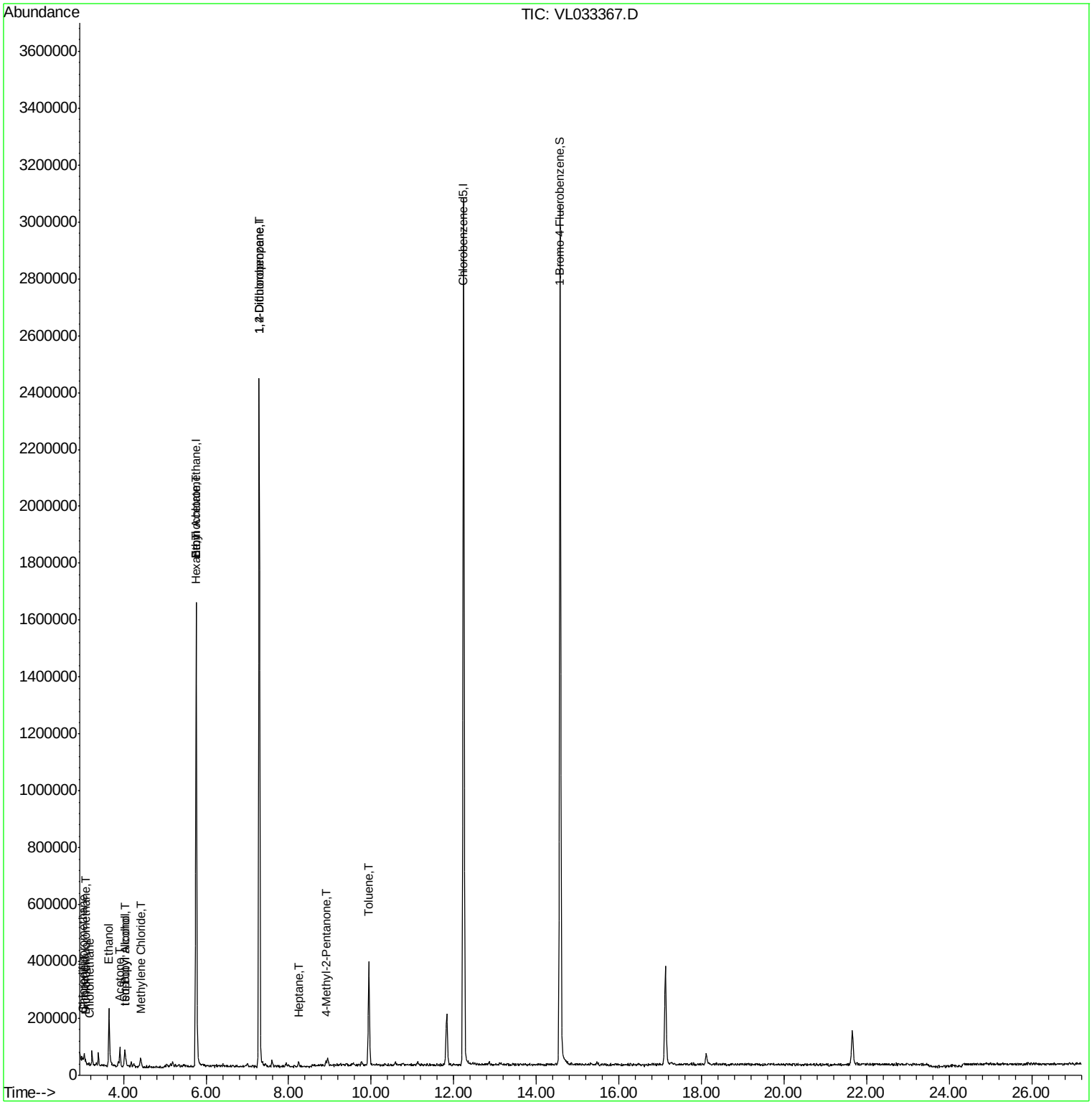
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

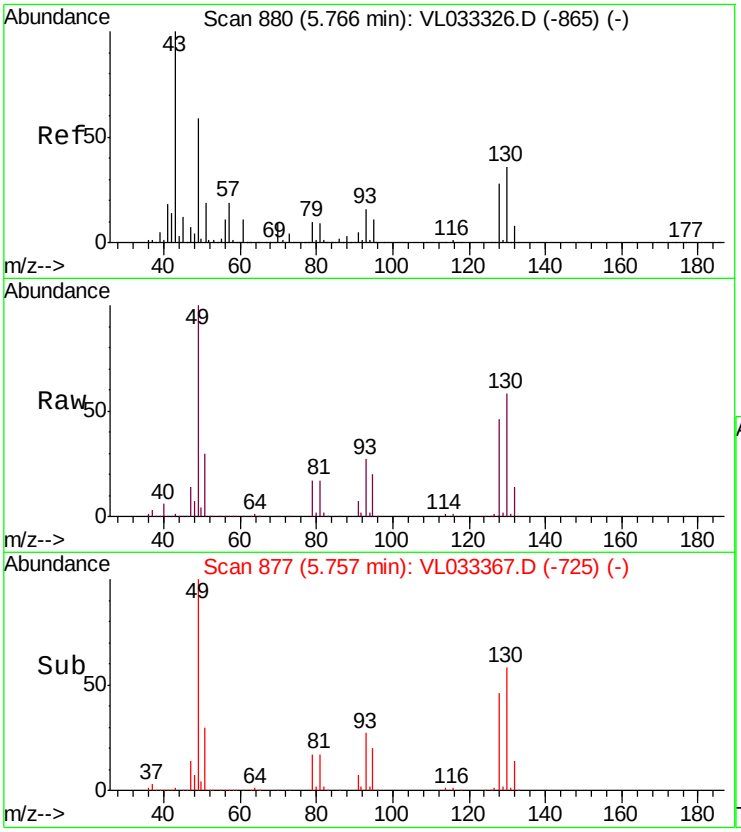
Quantitation Report (Not Reviewed)

Data File : VL033367.D
Acq On : 18 Mar 2019 20:41
Operator : SY/AP
Sample : K1827-09DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-9DL

Quant Time: Mar 19 06:55:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



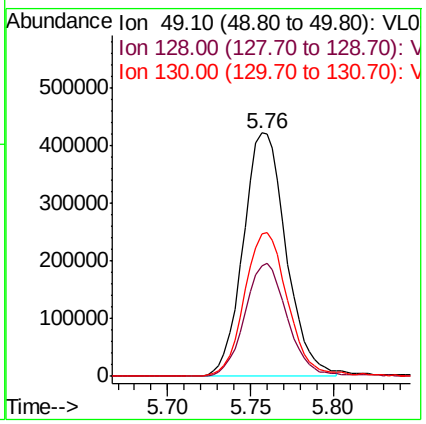


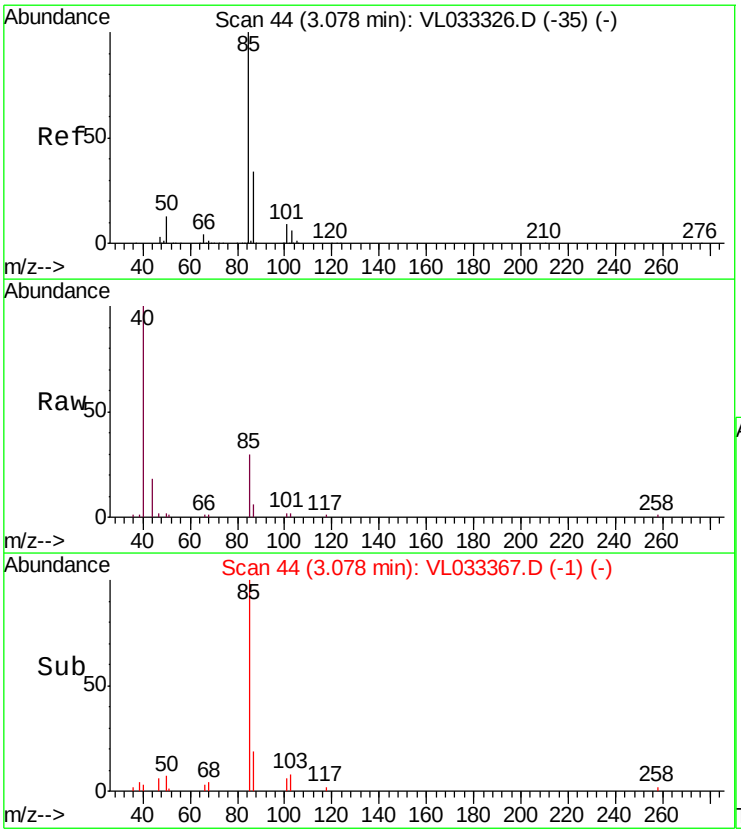
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tgt Ion: 49 Resp: 757164

Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.5	70.6
130	60.3	30.1	90.3

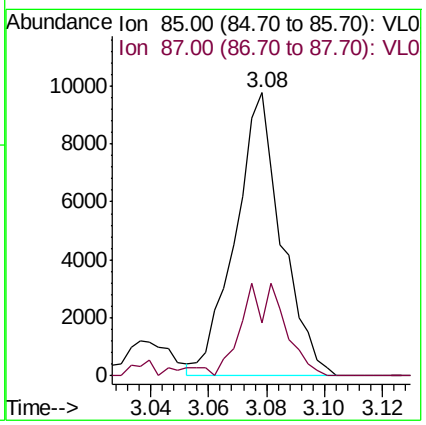


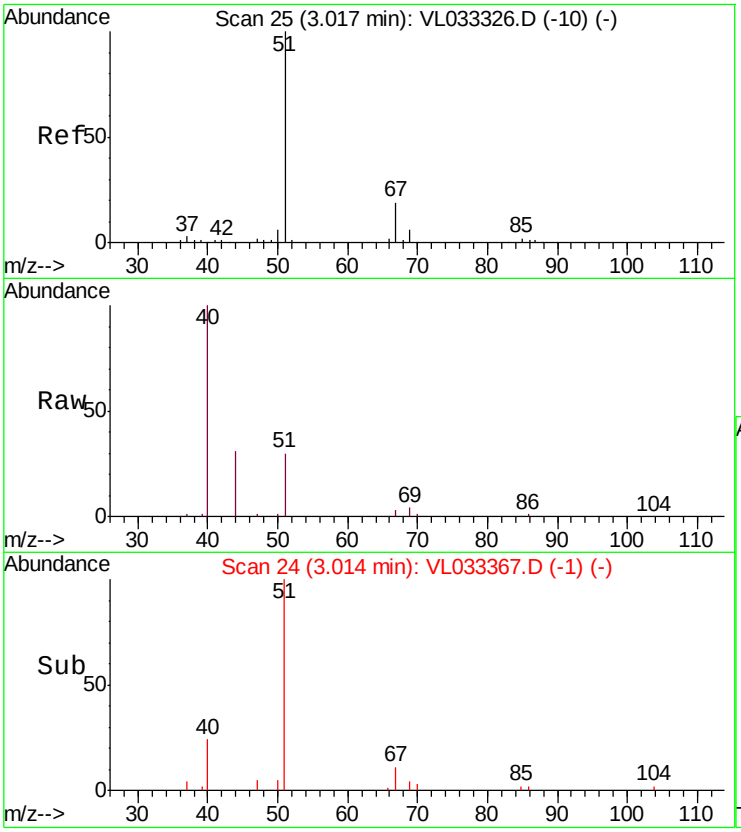


#2
Dichlorodifluoromethane
Concen: 0.081 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 85 Resp: 10837

Ion	Ratio	Lower	Upper
85	100		
87	18.5	26.9	40.3#



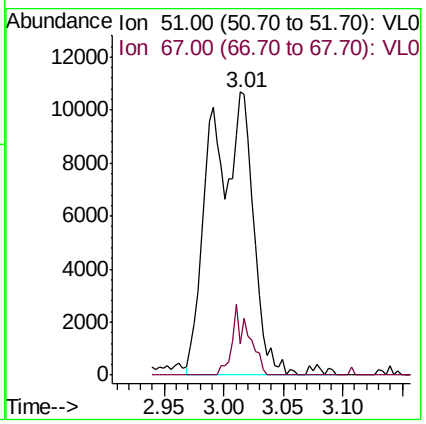


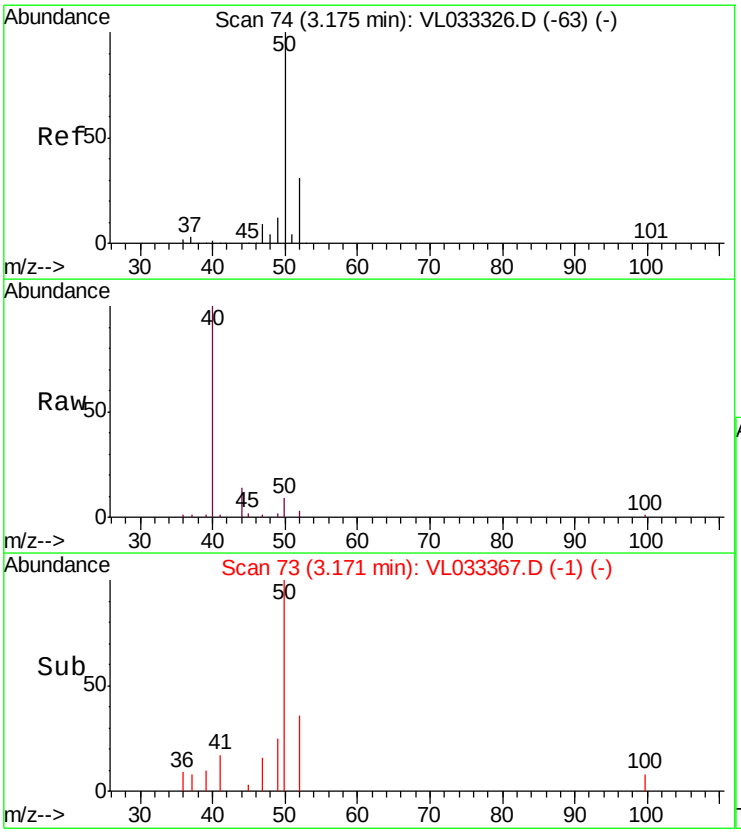
#3
Chlorodifluoromethane
Concen: 0.305 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tgt Ion: 51 Resp: 26485

Ion	Ratio	Lower	Upper
51	100		
67	9.6	14.9	22.3#

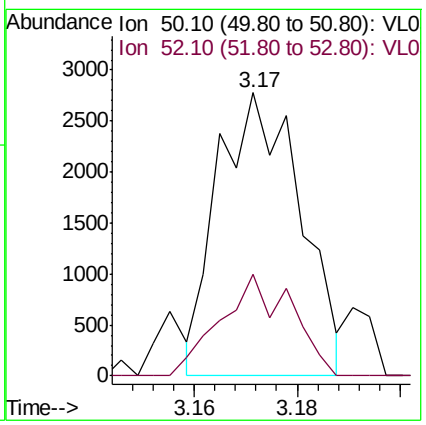


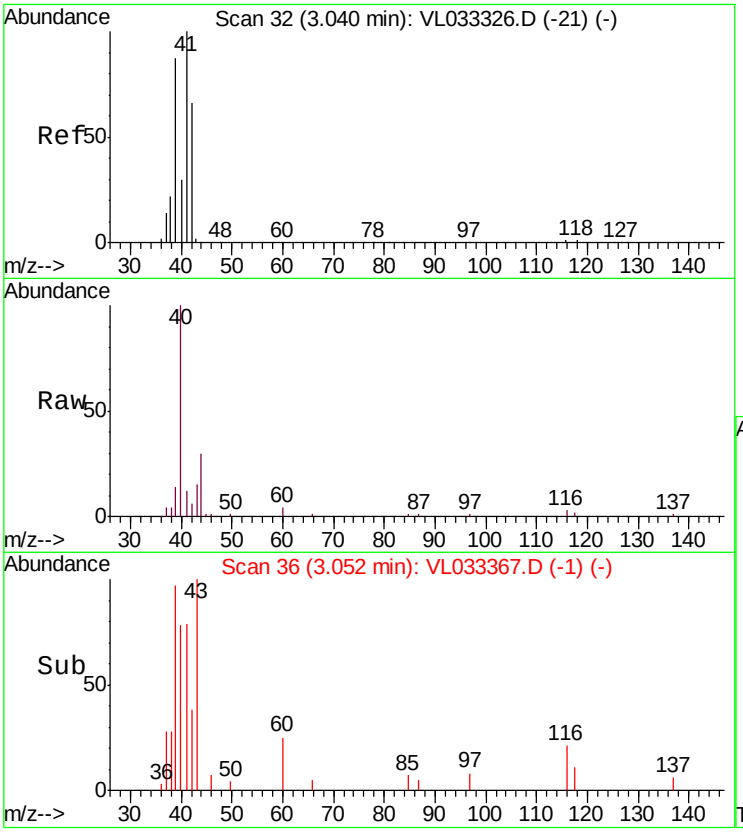


#4
Chloromethane
Concen: 0.065 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 50 Resp: 3077

Ion	Ratio	Lower	Upper
50	100		
52	40.8	25.0	37.6#

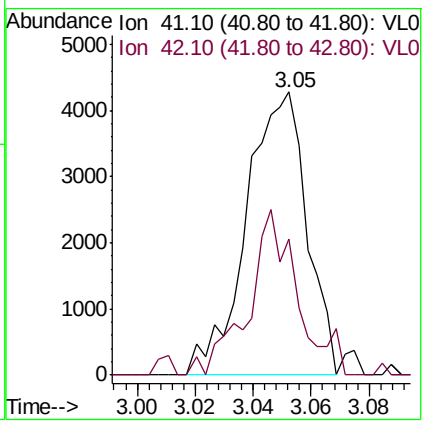




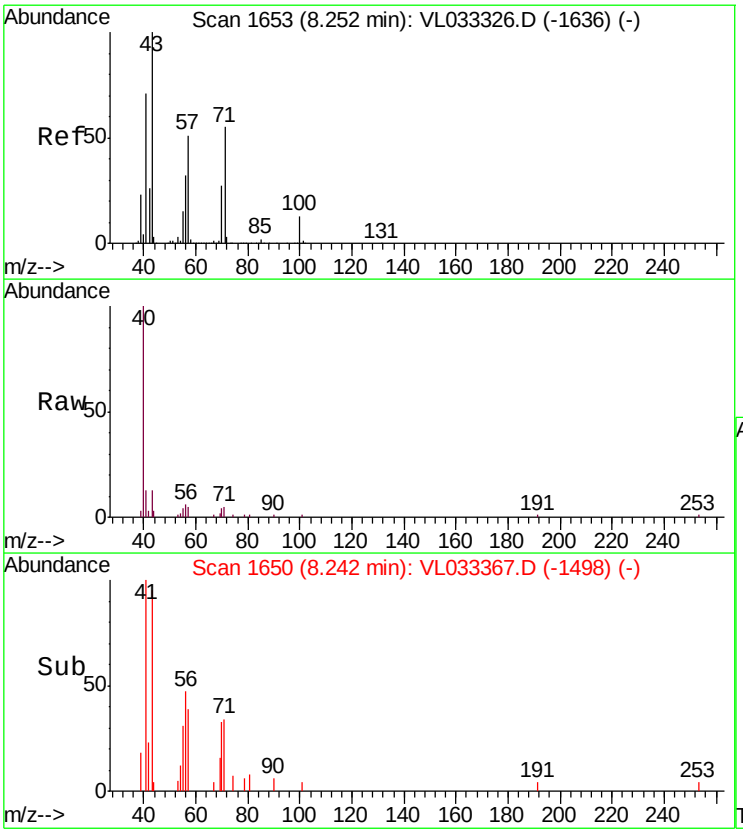
#9
Propene
Concen: 0.159 ppbv
RT: 3.05 min Scan# 36
Delta R.T. 0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 41 Resp: 6181

Ion	Ratio	Lower	Upper
41	100		
42	49.8	55.2	82.8#



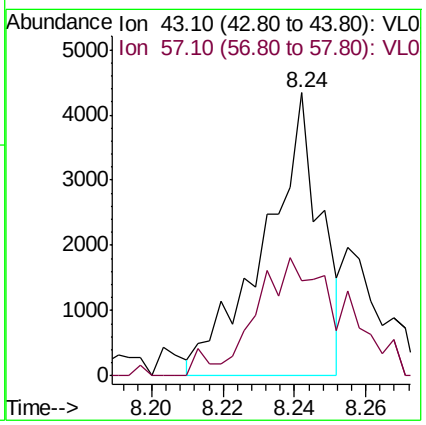
Instrument :
MSVOA_L
ClientSampleId :
A-9DL

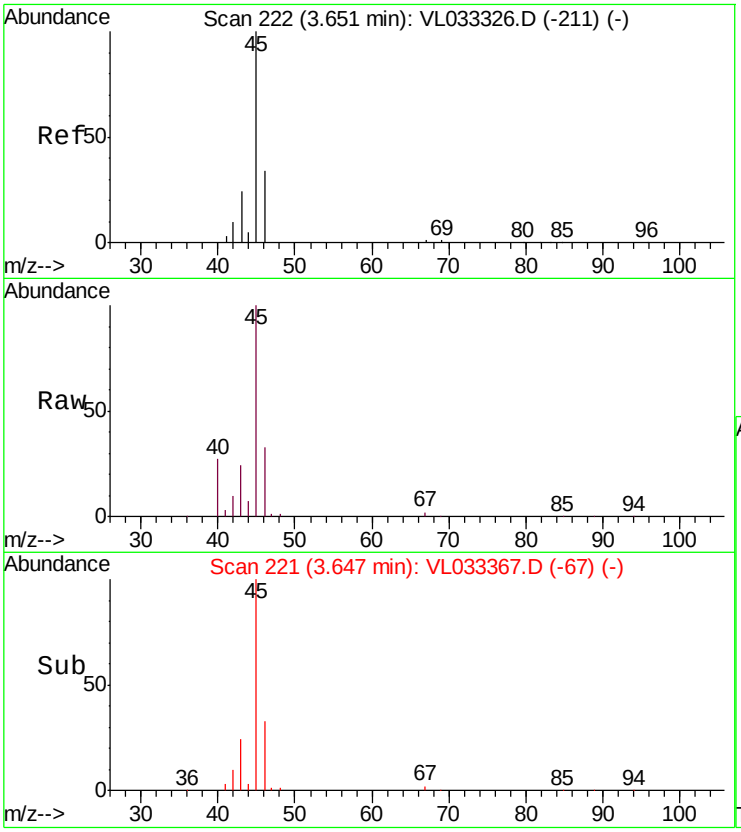


#10
Heptane
Concen: 0.049 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 43 Resp: 4713

Ion	Ratio	Lower	Upper
43	100		
57	66.5	40.4	60.6#



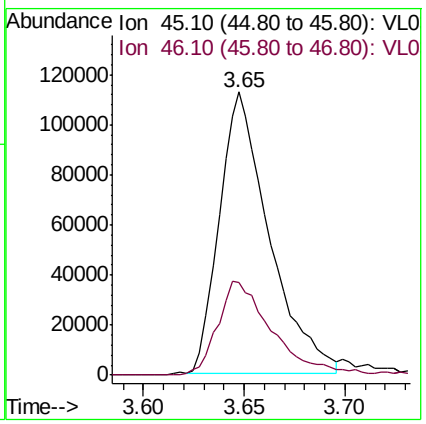


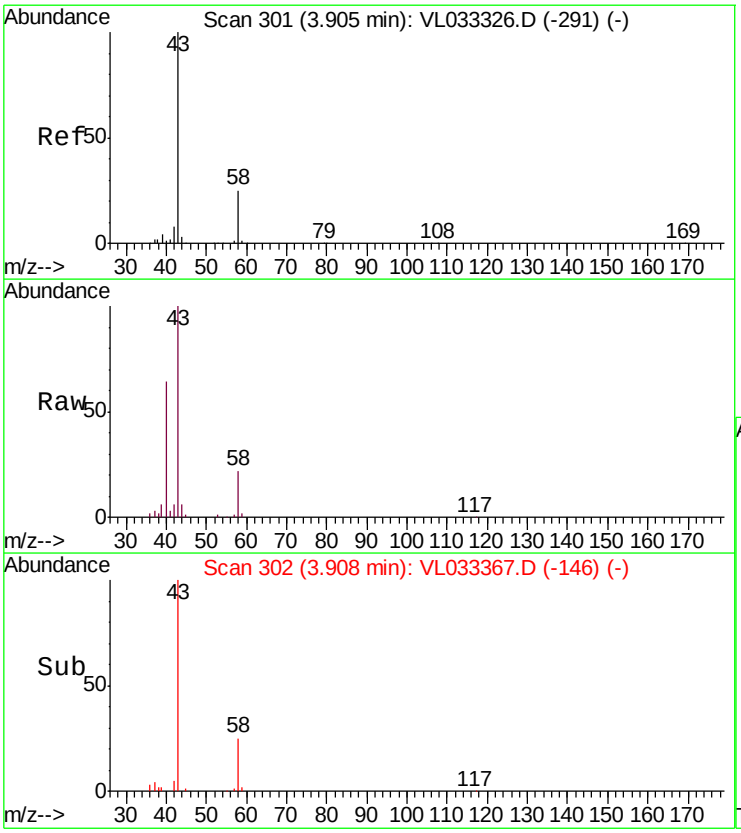
#13
Ethanol
Concen: 10.457 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tgt Ion: 45 Resp: 193393

Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.9	59.7

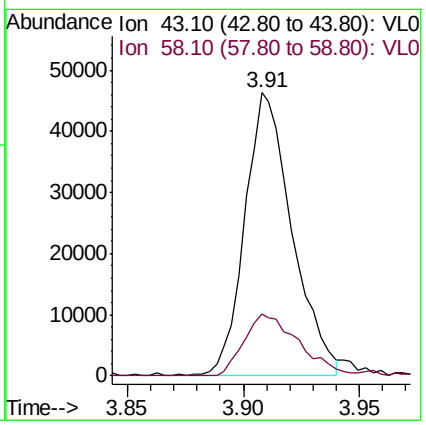


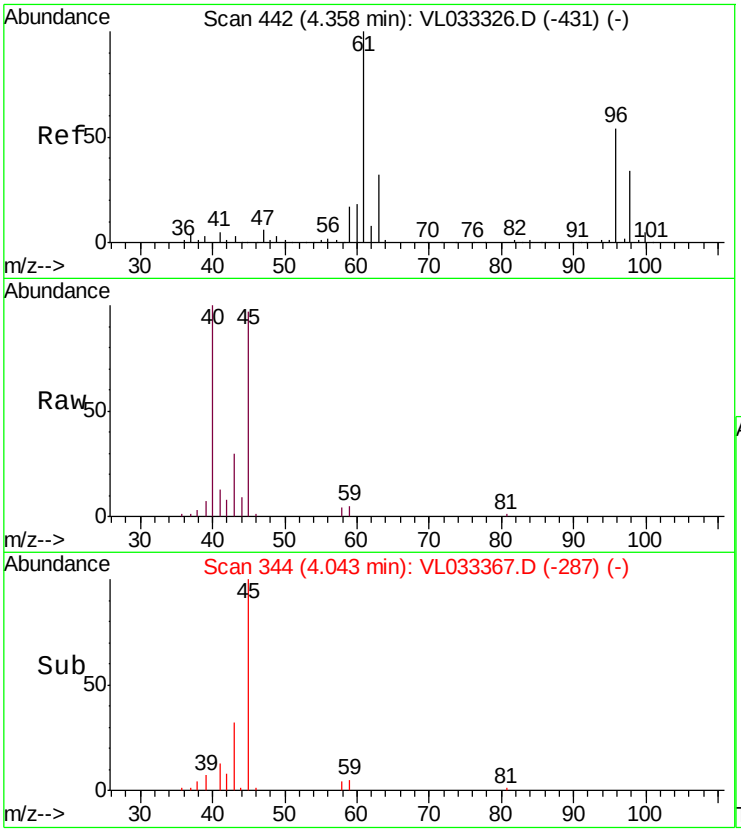


#15
Acetone
Concen: 0.560 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 43 Resp: 65883

Ion	Ratio	Lower	Upper
43	100		
58	26.3	20.4	30.6



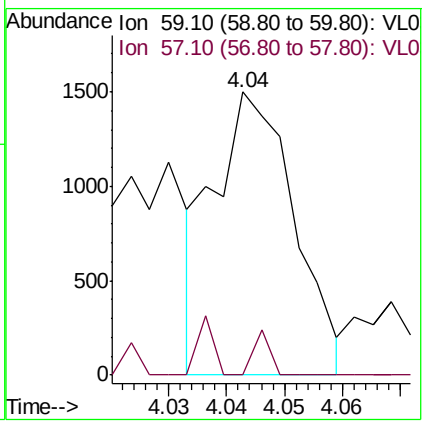


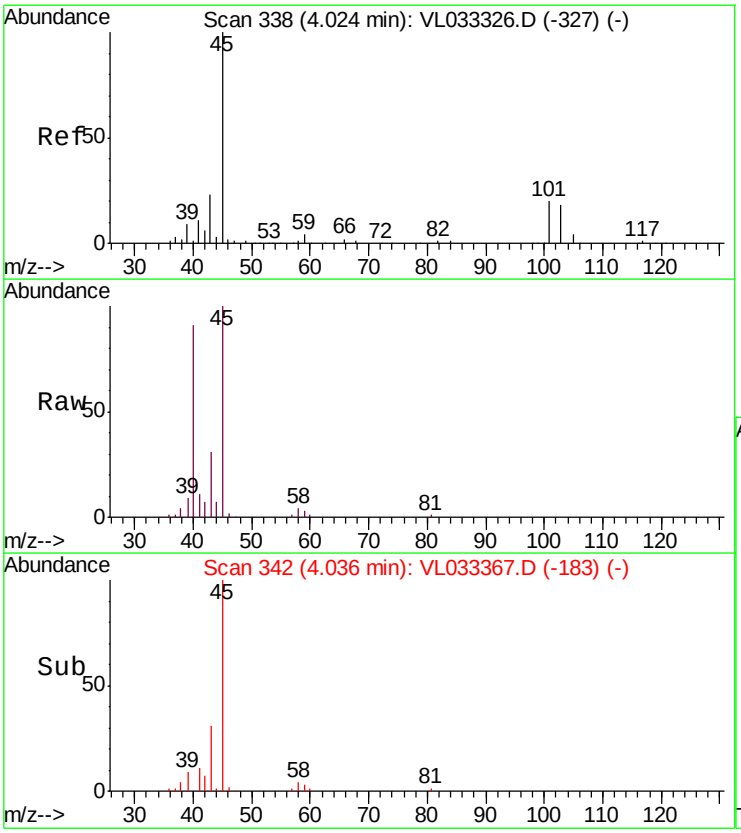
#17
tert-Butyl alcohol
Concen: 0.087 ppbv
RT: 4.04 min Scan# 344
Delta R.T. -0.32 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tgt Ion: 59 Resp: 1436

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.7	11.5

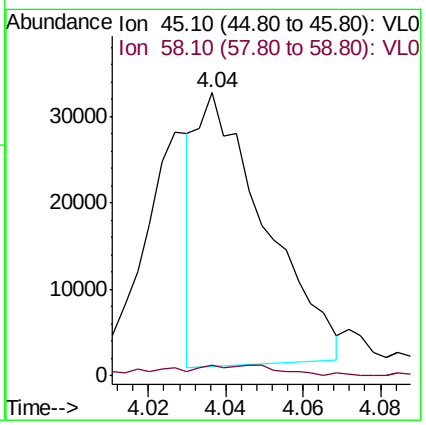


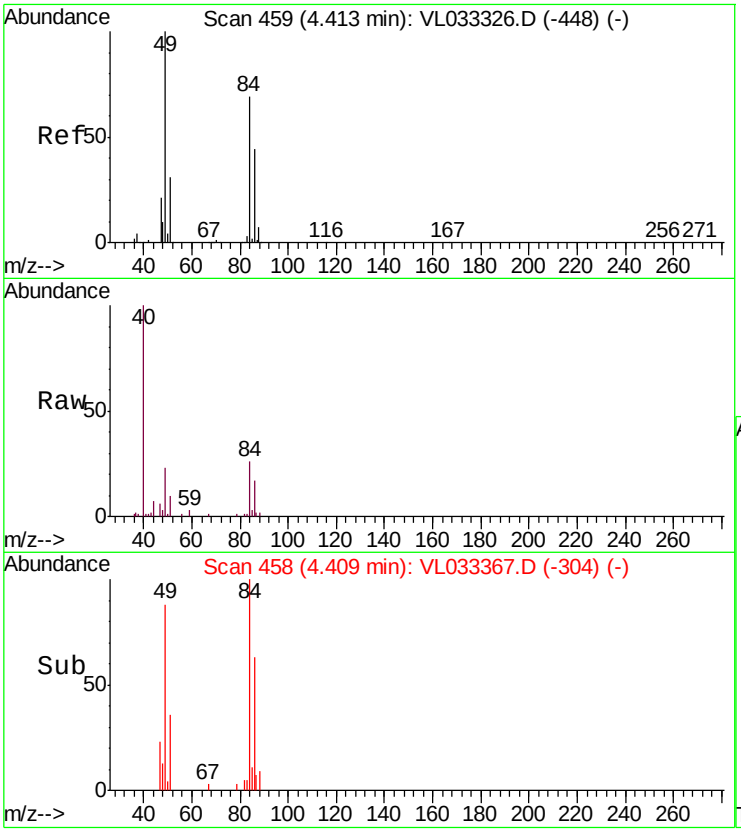


#19
Isopropyl Alcohol
Concen: 0.691 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 45 Resp: 38702

Ion	Ratio	Lower	Upper
45	100		
58	7.6	1.5	2.3#



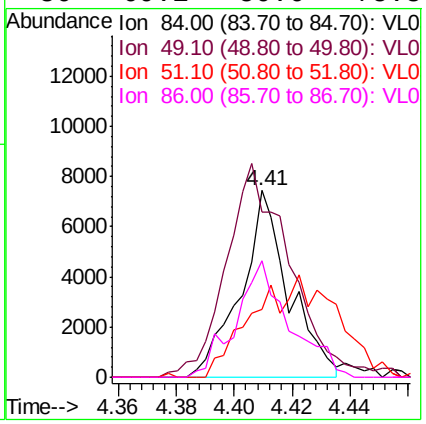


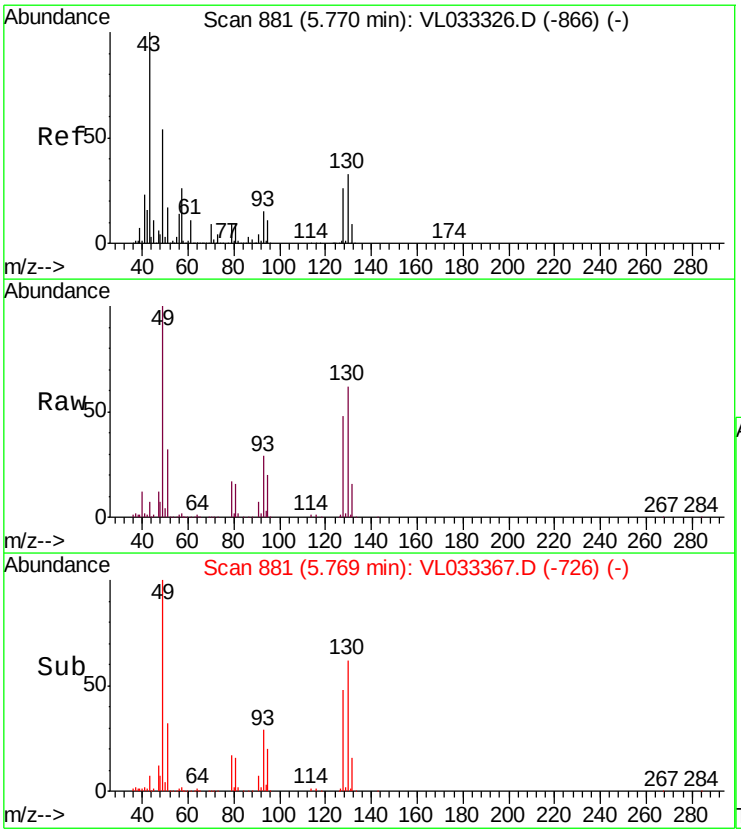
#20
Methylene Chloride
Concen: 0.223 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument : MSVOA_L
ClientSampleId : A-9DL

Tgt Ion: 84 Resp: 8578

Ion	Ratio	Lower	Upper
84	100		
49	84.0	115.4	173.0#
51	36.1	35.8	53.6
86	69.1	50.6	75.8

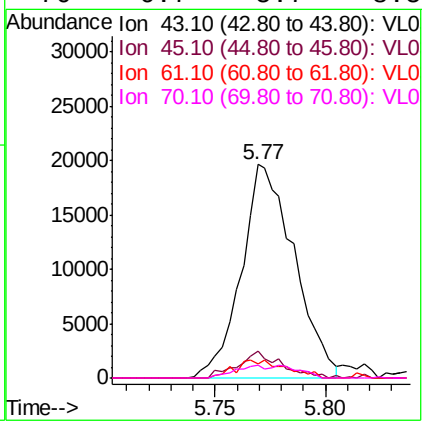


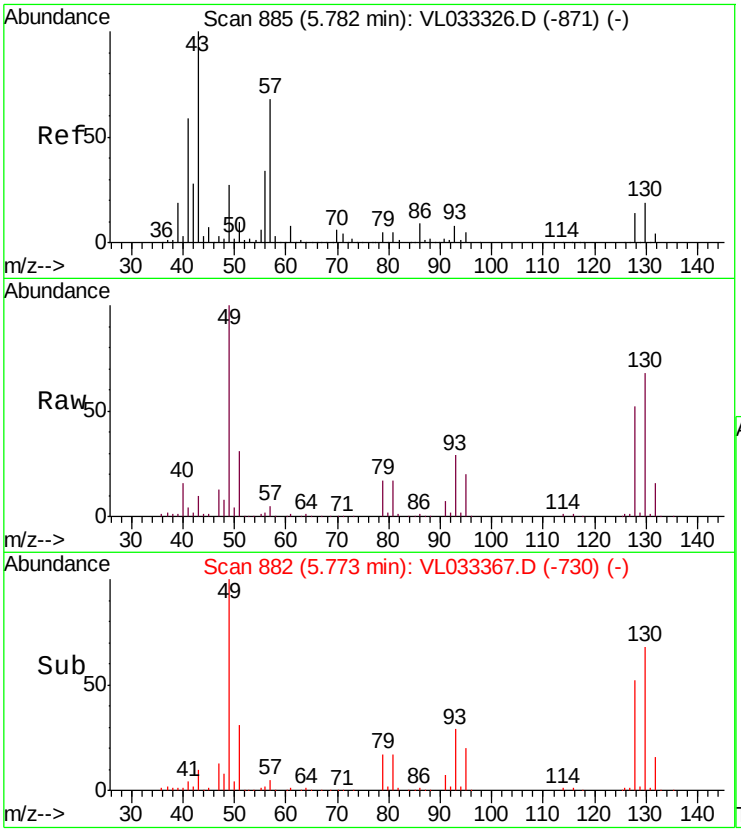


#25
Ethyl Acetate
Concen: 0.191 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 43 Resp: 32615

Ion	Ratio	Lower	Upper
43	100		
45	10.6	7.9	11.9
61	8.0	7.4	11.2
70	6.7	5.7	8.5



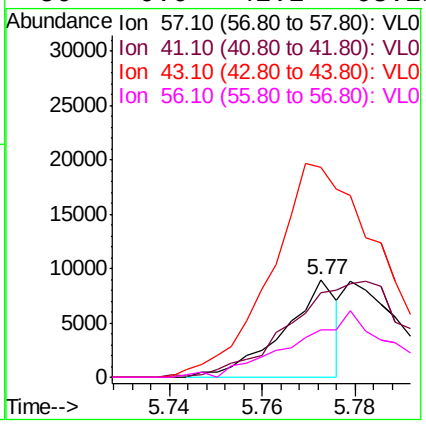


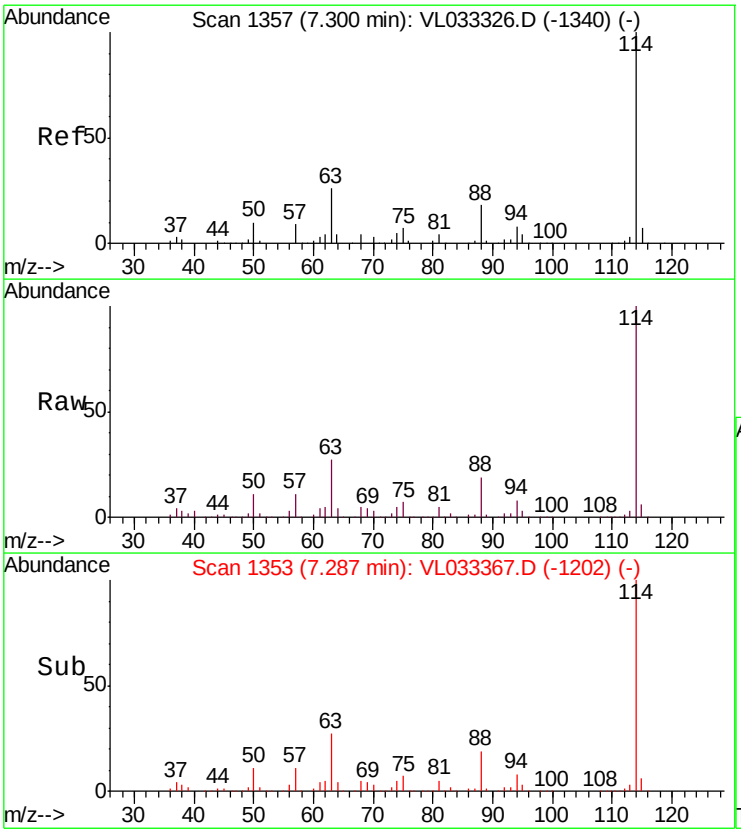
#26
Hexane
Concen: 0.093 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument : MSVOA_L
ClientSampleId : A-9DL

Tgt Ion: 57 Resp: 7149

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.5	105.7#
43	477.2	181.8	272.8#
56	0.0	42.2	63.2#

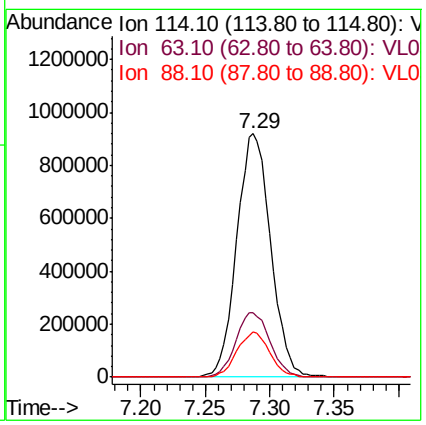


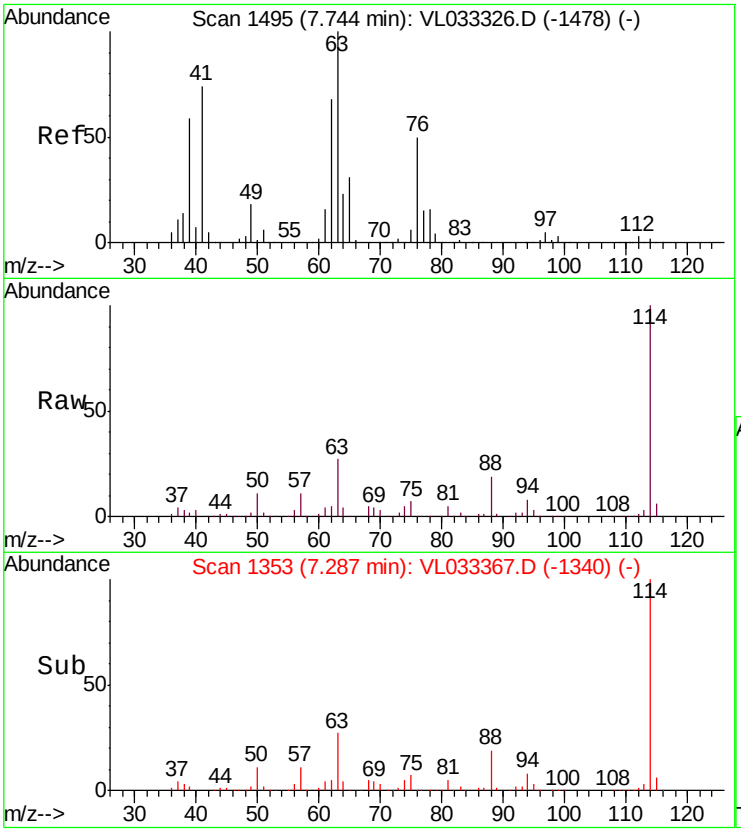


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion:114 Resp: 1680111

Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.4	32.2
88	18.2	14.5	21.7



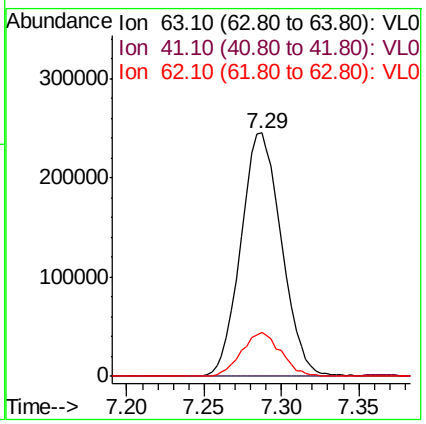


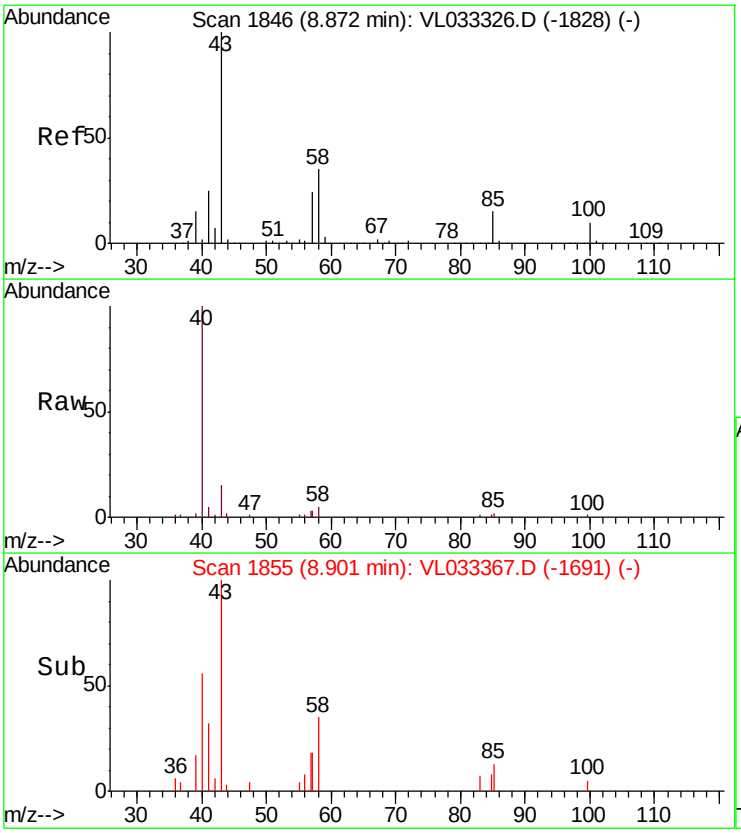
#39
1,2-Dichloropropane
Concen: 7.978 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument : MSVOA_L
ClientSampleId : A-9DL

Tgt Ion: 63 Resp: 449207

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	18.0	54.7	82.1#

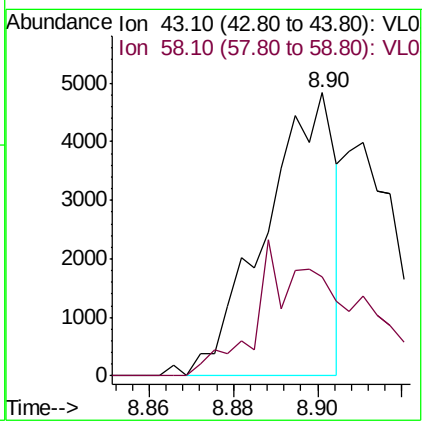


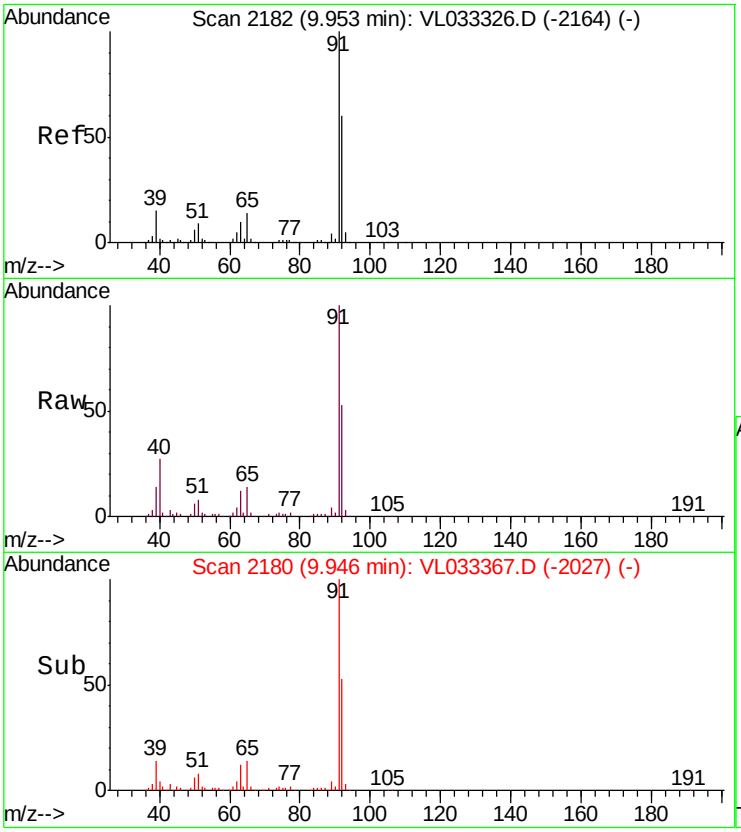


#50
4-Methyl-2-Pentanone
Concen: 0.036 ppbv
RT: 8.90 min Scan# 1855
Delta R.T. 0.03 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion: 43 Resp: 5535

Ion	Ratio	Lower	Upper
43	100		
58	70.8	28.4	42.6#



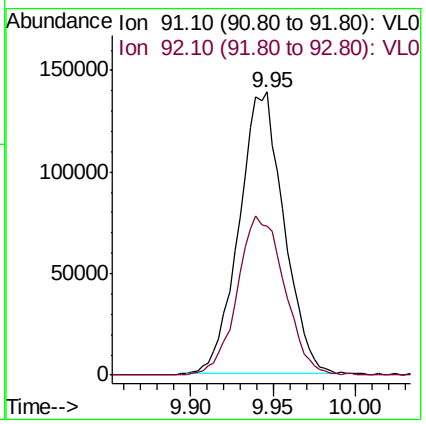


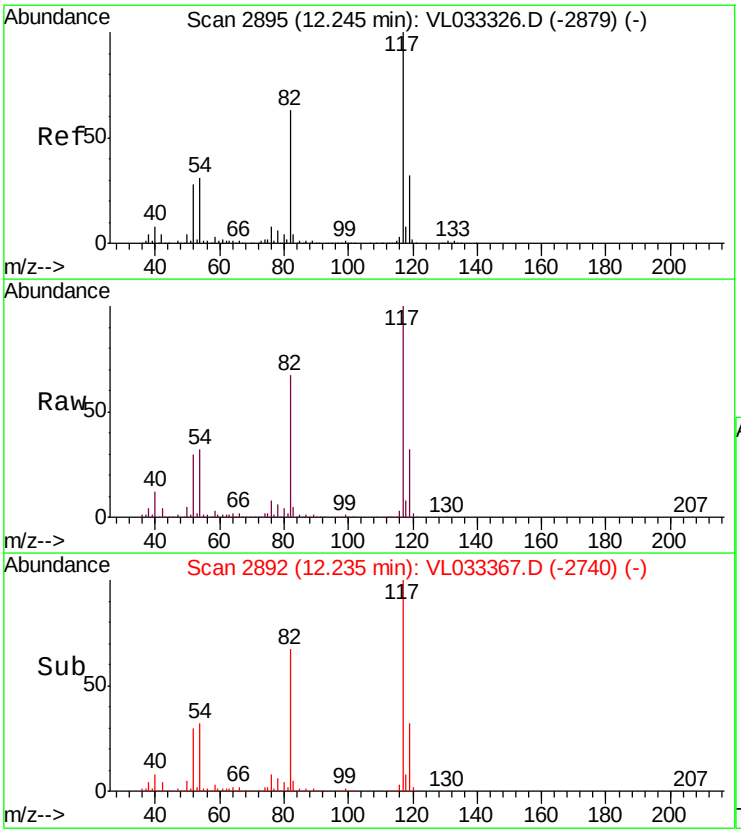
#53
Toluene
Concen: 1.522 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tgt Ion: 91 Resp: 260094

Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.4	71.0

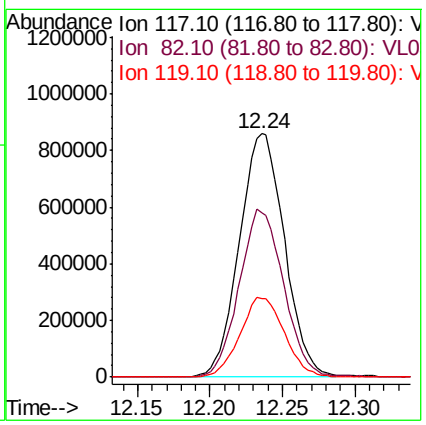


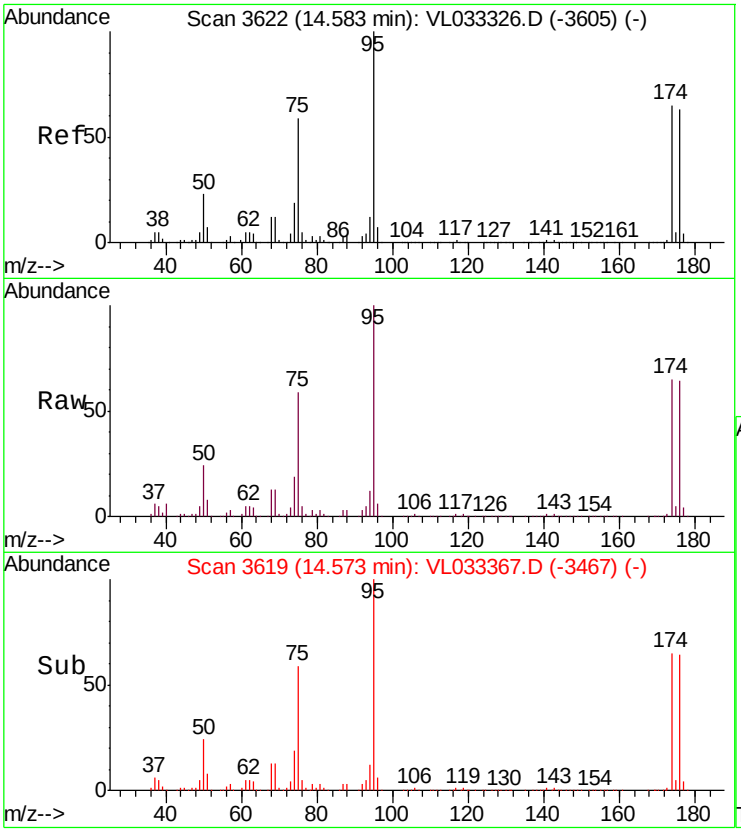


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Tgt Ion:117 Resp: 1854080

Ion	Ratio	Lower	Upper
117	100		
82	68.5	53.4	80.2
119	32.6	27.3	40.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.246 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033367.D
Acq: 18 Mar 2019 20:41

Instrument :
MSVOA_L
ClientSampleId :
A-9DL

Tgt Ion: 95 Resp: 1407617

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.5	77.3
175	4.6	3.8	5.6