Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033399.D
Acq On : 20 Mar 2019 21:06
Operator : SY/AP
Sample : K1975-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1DL

Quant Time: Mar 22 05:51:52 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	863046	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2119601	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	2059124	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1532668	10.04	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	13122	0.086	ppbv		96
4) Chloromethane	3.17	50	18347	0.342	ppbv		92
10) Heptane	8.24	43	89205	0.813	ppbv		99
13) Ethanol	3.65	45	218452	10.363	ppbv		96
15) Acetone	3.89	43	3139908	23.404	ppbv		99
20) Methylene Chloride	4.41	84	26981	0.617	ppbv	#	89
26) Hexane	5.78	57	131149	1.504	ppbv	#	41
30) Cyclohexane	7.24	84	23333	0.334	ppbv		90
34) 2-Butanone	5.33	43	114308	0.821	ppbv		97
36) Benzene	7.00	78	64630	0.341	ppbv	#	95
44) 2,2,4-Trimethylpentane	7.99	57	135508	0.431	ppbv	#	78
52) Tetrachloroethene	11.37	164	2897774	36.668	ppbv		98
53) Toluene	9.94	91	2148780	9.969	ppbv		100
58) Ethyl Benzene	12.86	91	93436	0.321	ppbv		90
59) m/p-Xylene	13.12	91	300991	1.202	ppbv	#	100
60) o-Xylene	13.84	91	109385	0.448	ppbv		96
74) 1,2,4-Trimethylbenzene	16.92	105	167156	0.584	ppbv	#	71

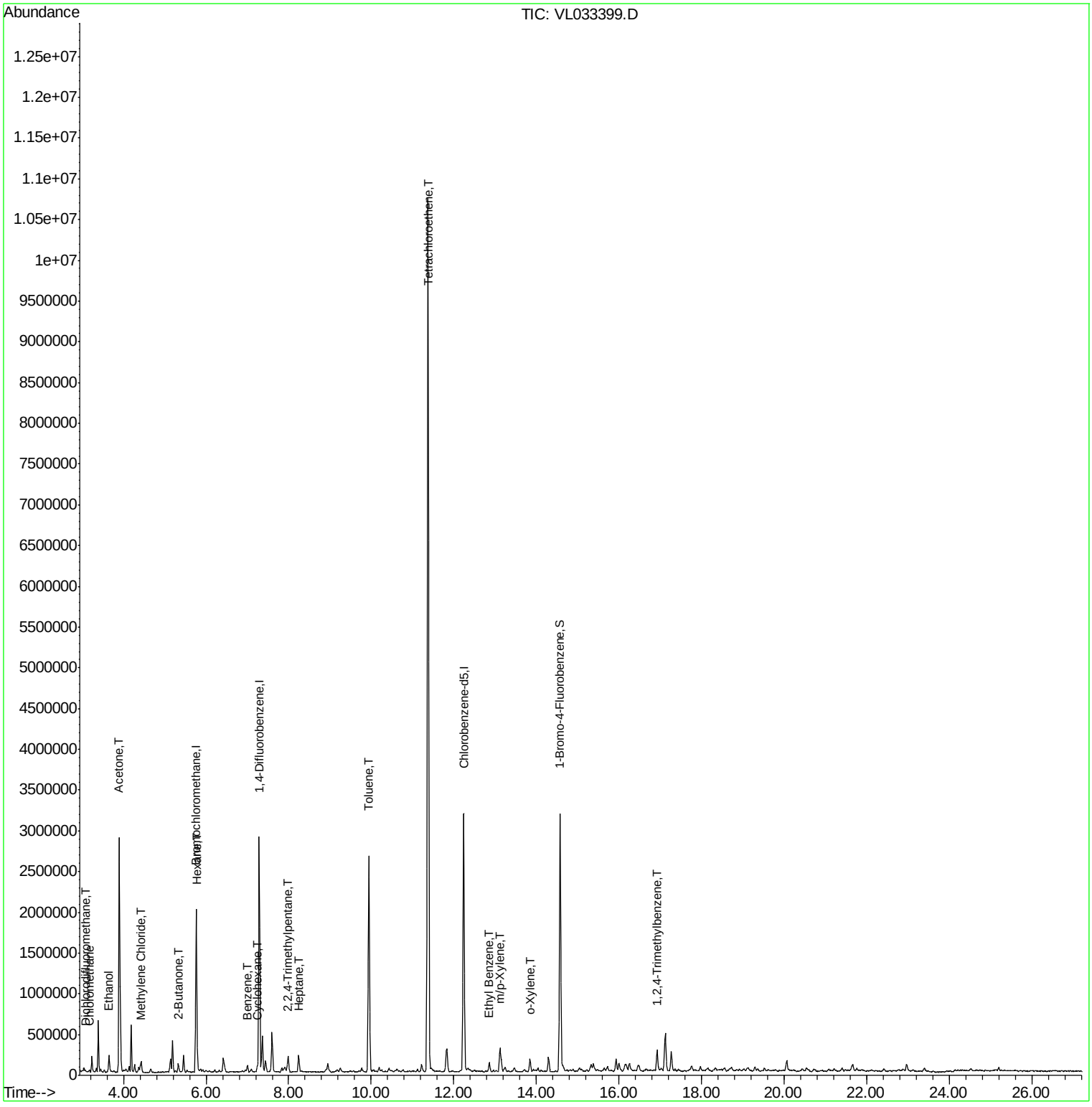
(#) = qualifier out of range (m) = manual integration (+) = signals summed

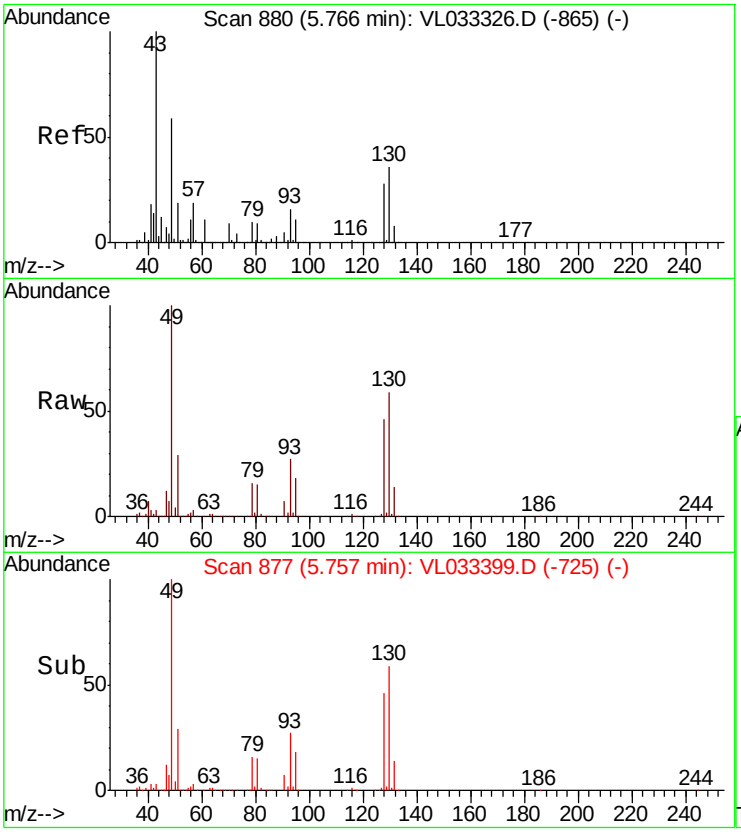
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033399.D
Acq On : 20 Mar 2019 21:06
Operator : SY/AP
Sample : K1975-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1DL

Quant Time: Mar 22 05:51:52 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



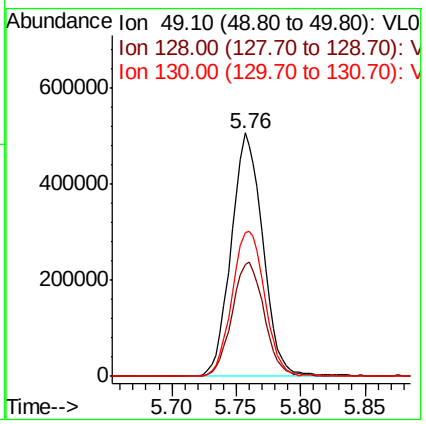


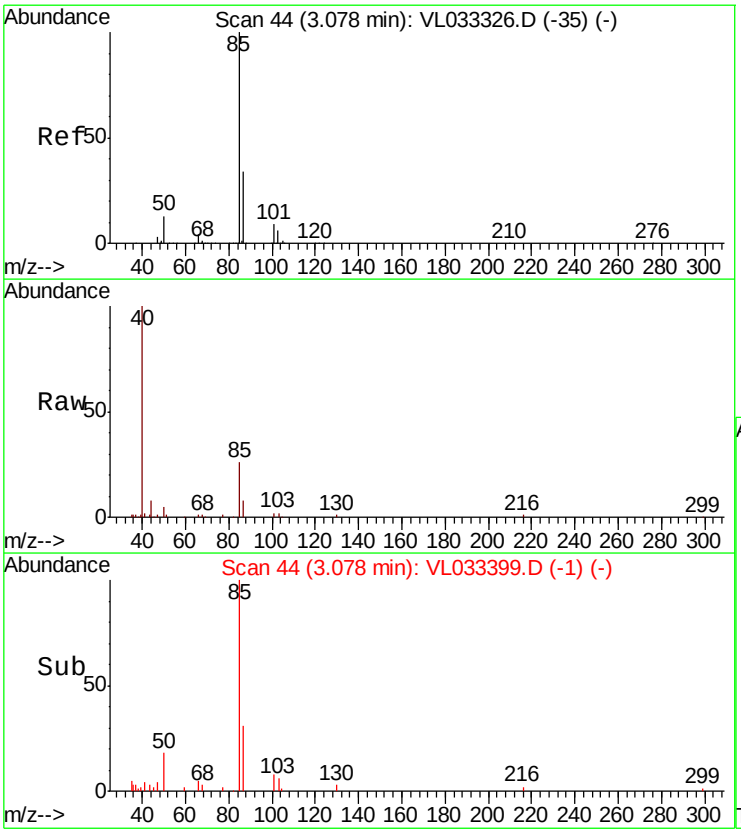
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 863046

Ion	Ratio	Lower	Upper
49	100		
128	48.1	23.5	70.6
130	61.9	30.1	90.3

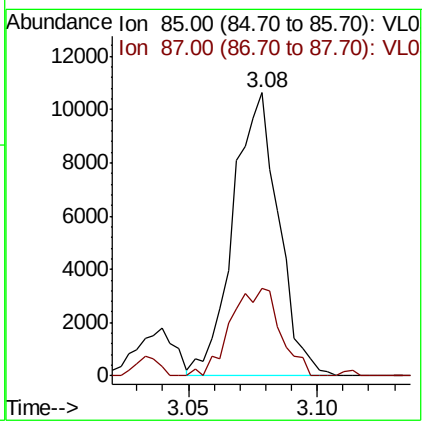


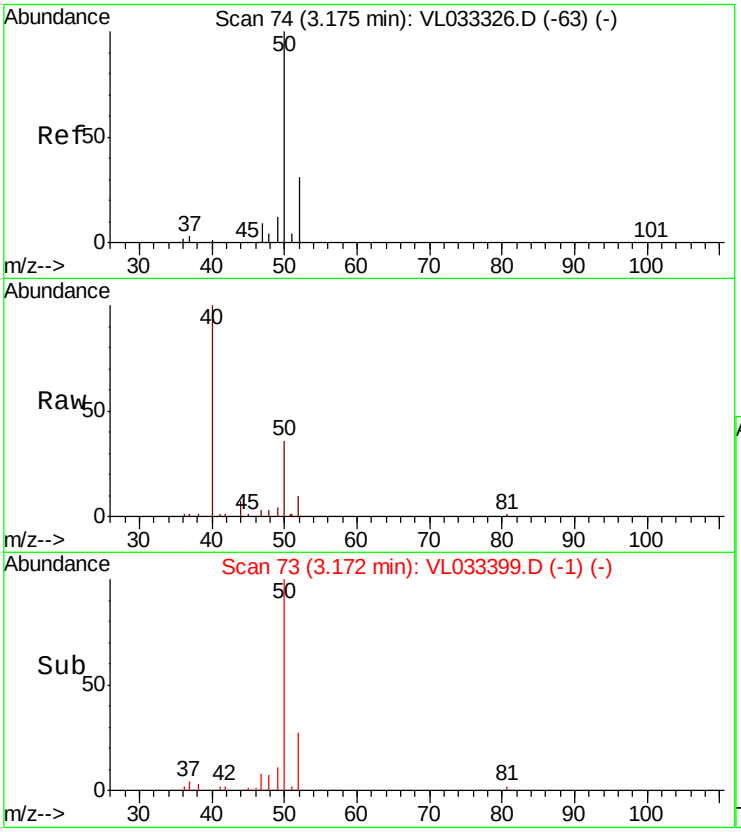


#2
Dichlorodifluoromethane
Concen: 0.086 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion: 85 Resp: 13122

Ion	Ratio	Lower	Upper
85	100		
87	31.1	26.9	40.3



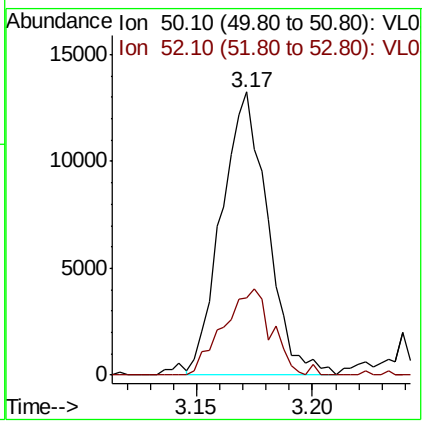


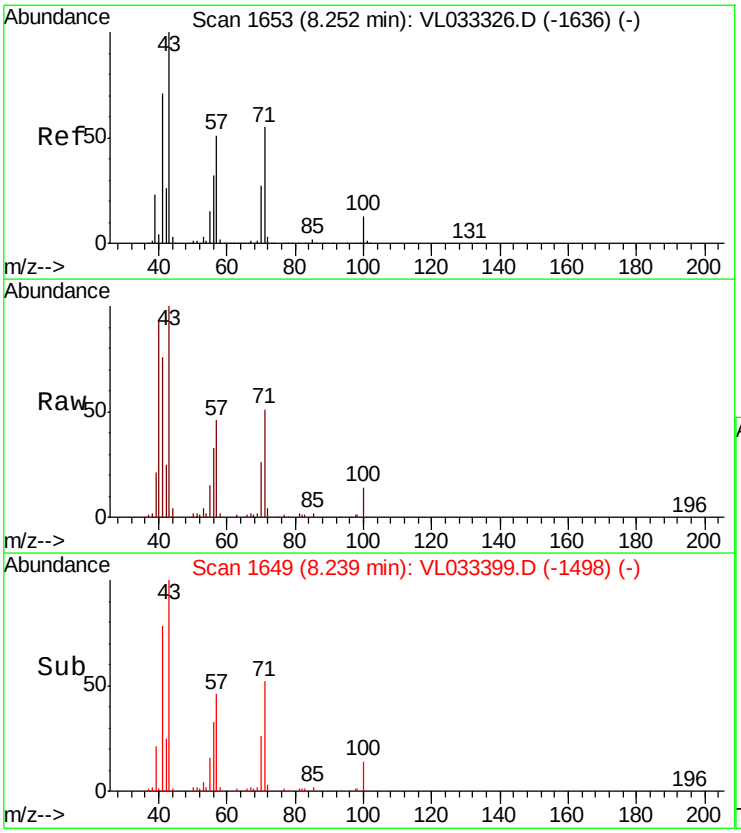
#4
Chloromethane
Concen: 0.342 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 50 Resp: 18347

Ion	Ratio	Lower	Upper
50	100		
52	26.8	25.0	37.6

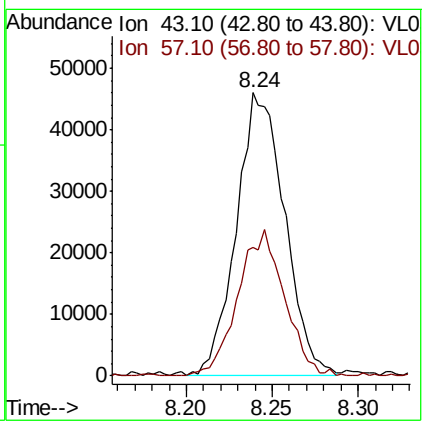


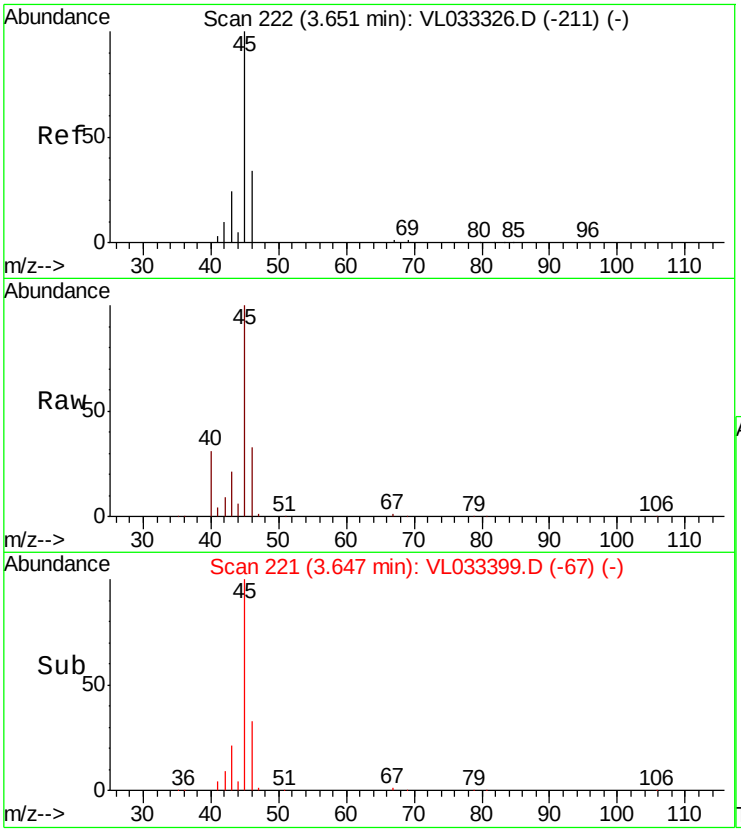


#10
Heptane
Concen: 0.813 ppbv
RT: 8.24 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion: 43 Resp: 89205

Ion	Ratio	Lower	Upper
43	100		
57	50.1	40.4	60.6



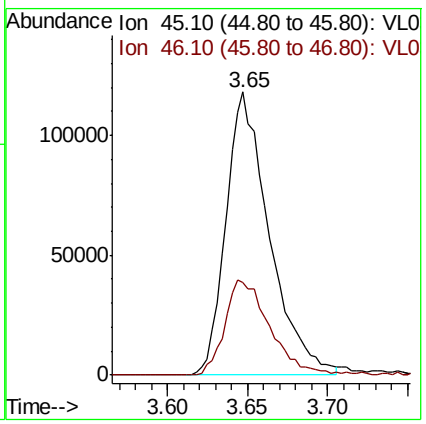


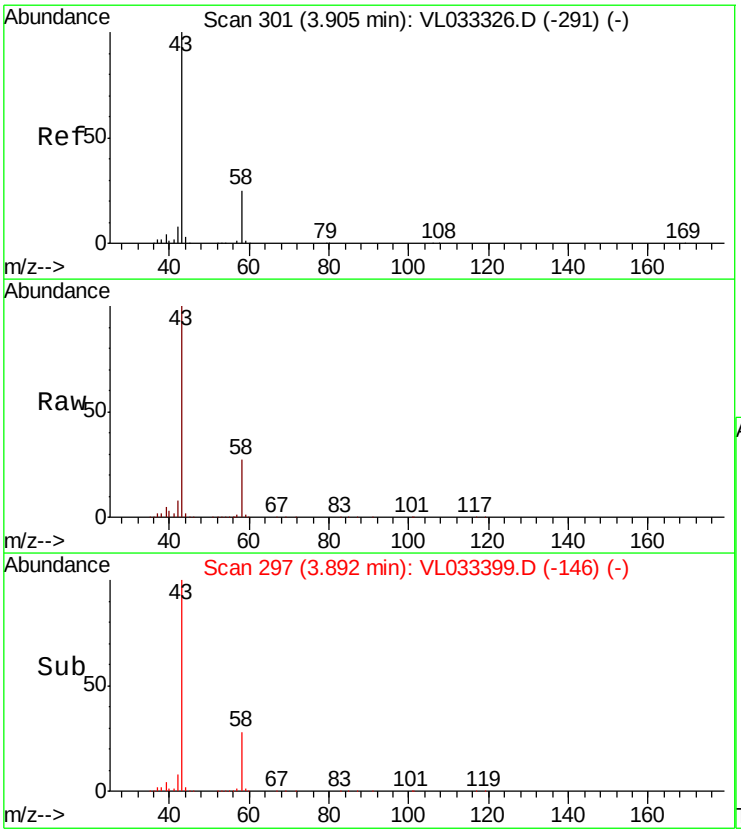
#13
Ethanol
Concen: 10.363 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 45 Resp: 218452

Ion	Ratio	Lower	Upper
45	100		
46	35.1	14.9	59.7

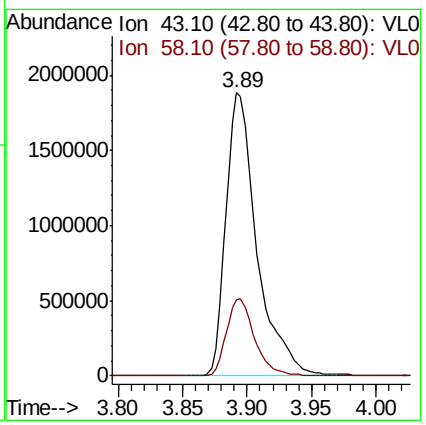


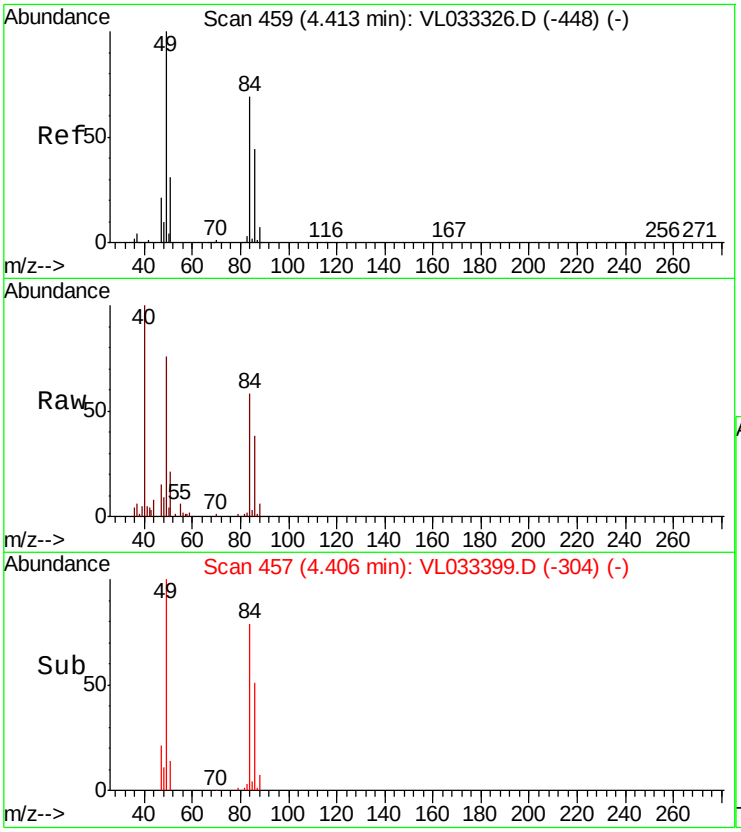


#15
Acetone
Concen: 23.404 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion: 43 Resp: 3139908

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.4	30.6



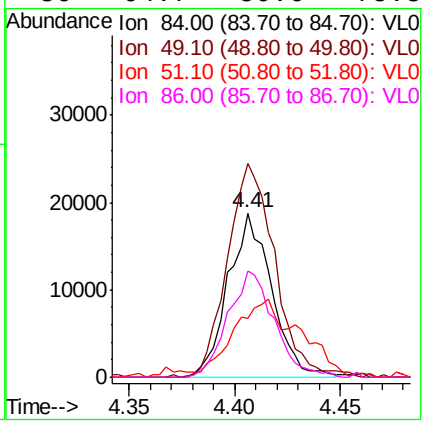


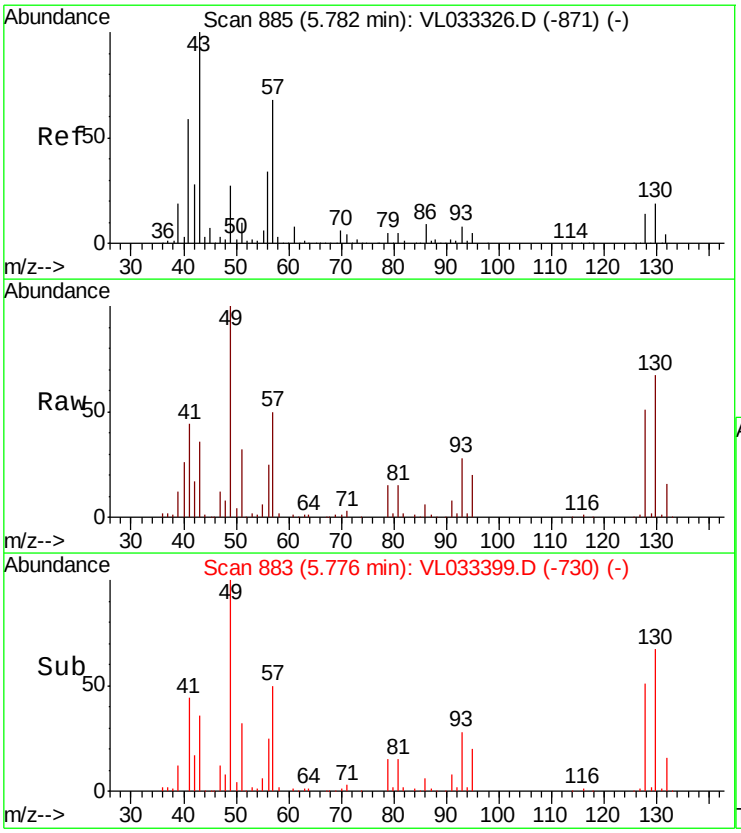
#20
Methylene Chloride
Concen: 0.617 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 84 Resp: 26981

Ion	Ratio	Lower	Upper
84	100		
49	129.1	115.4	173.0
51	32.9	35.8	53.6#
86	64.7	50.6	75.8

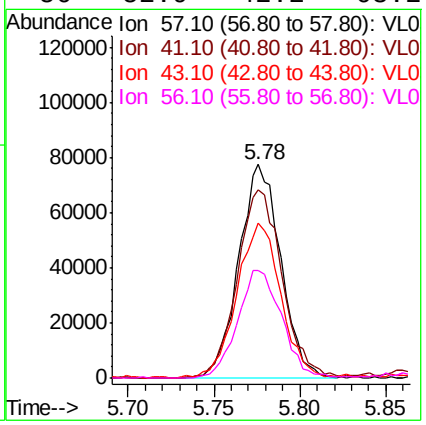


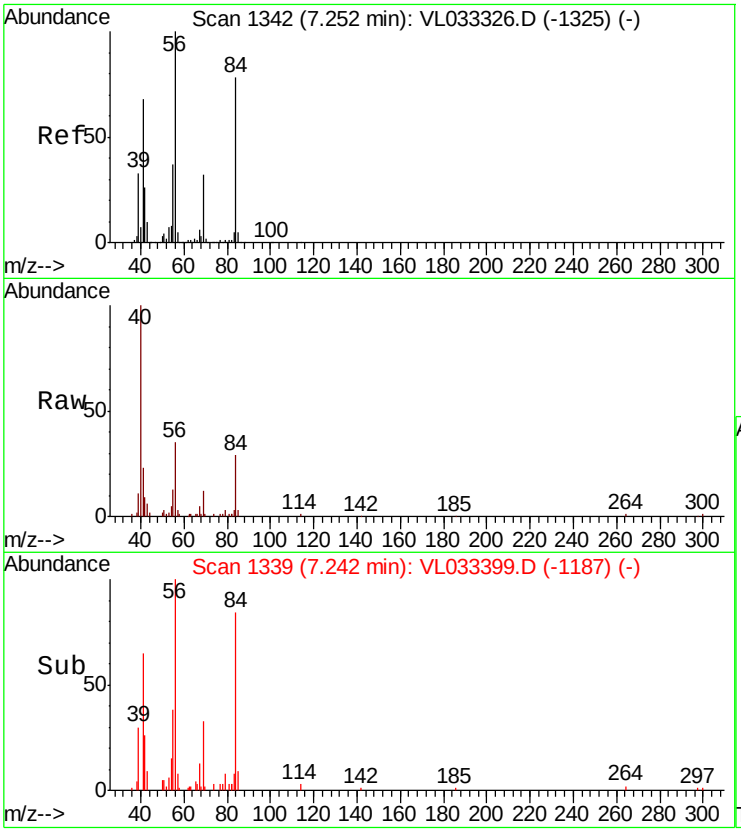


#26
Hexane
Concen: 1.504 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion: 57 Resp: 131149

Ion	Ratio	Lower	Upper
57	100		
41	93.9	70.5	105.7
43	75.5	181.8	272.8#
56	52.9	42.2	63.2



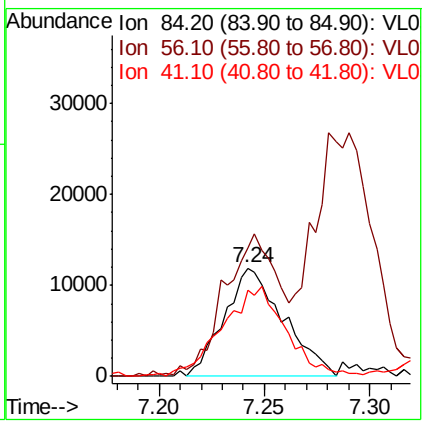


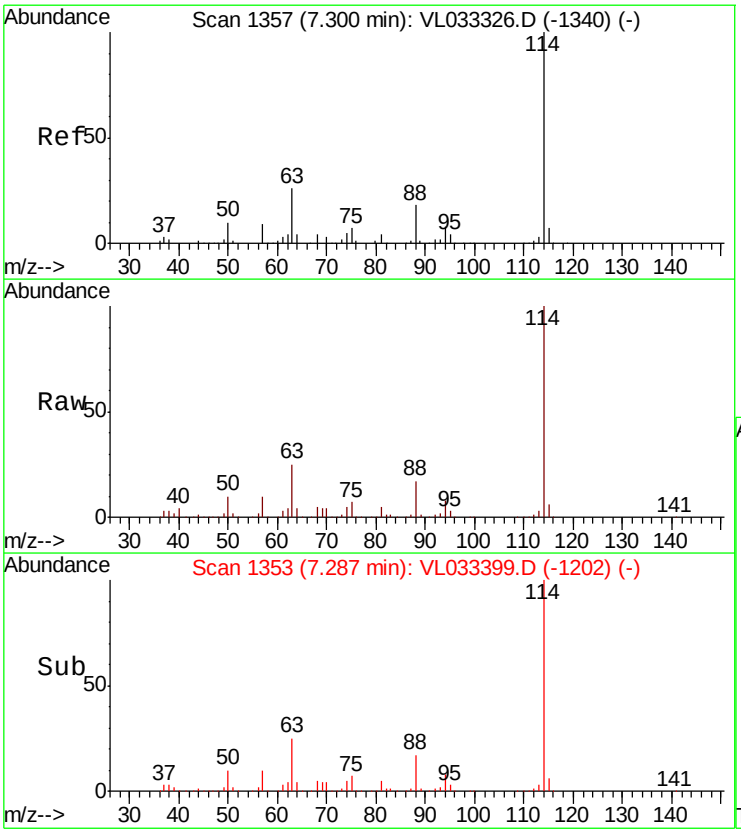
#30
Cyclohexane
Concen: 0.334 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 84 Resp: 23333

Ion	Ratio	Lower	Upper
84	100		
56	120.5	111.3	166.9
41	88.5	69.6	104.4

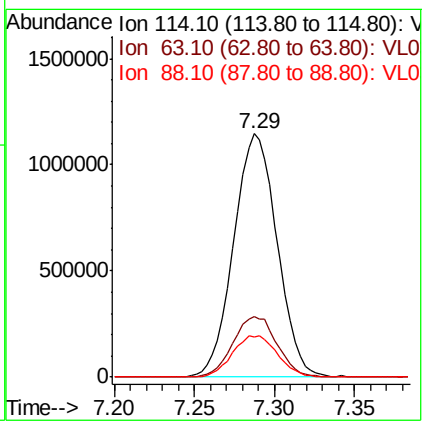


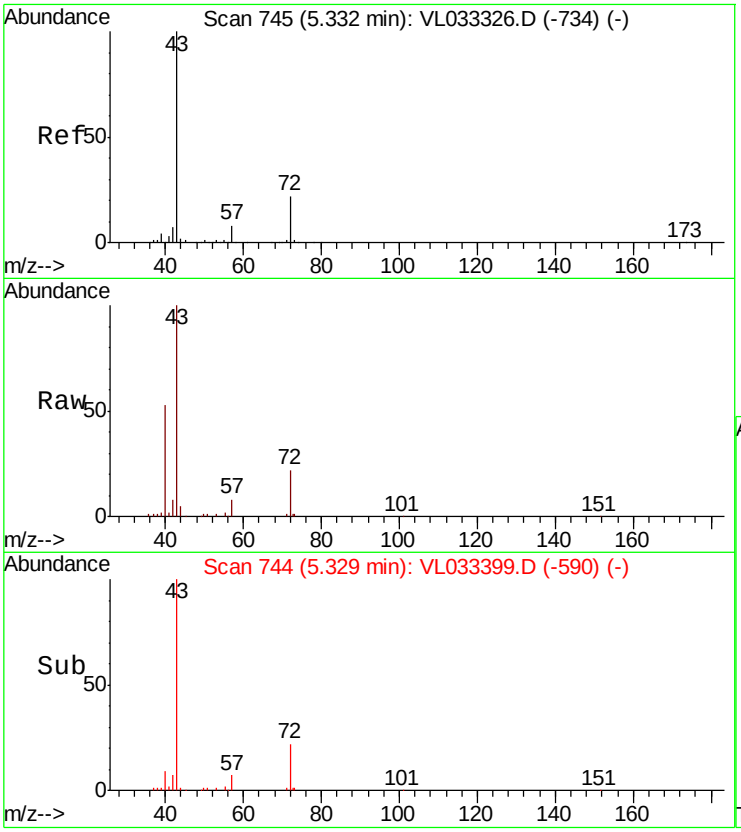


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion:114 Resp: 2119601

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.4	32.2
88	17.8	14.5	21.7



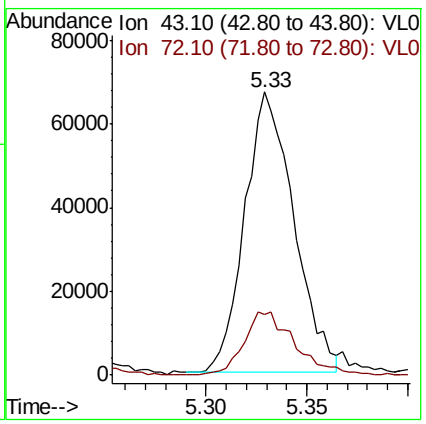


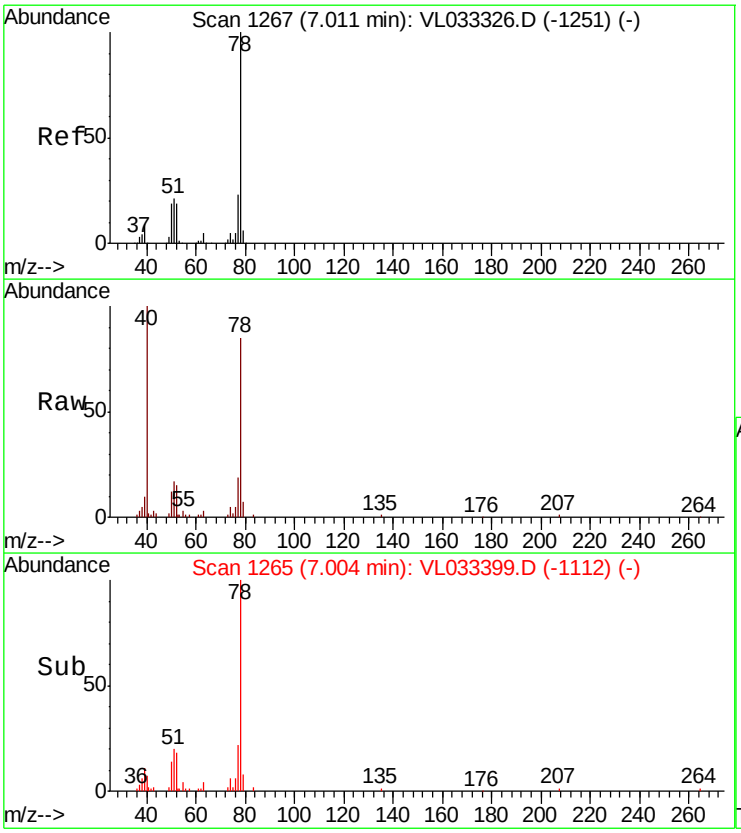
#34
2-Butanone
Concen: 0.821 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 43 Resp: 114308

Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.7	26.5

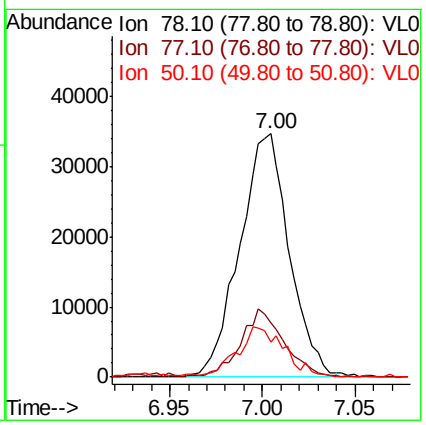


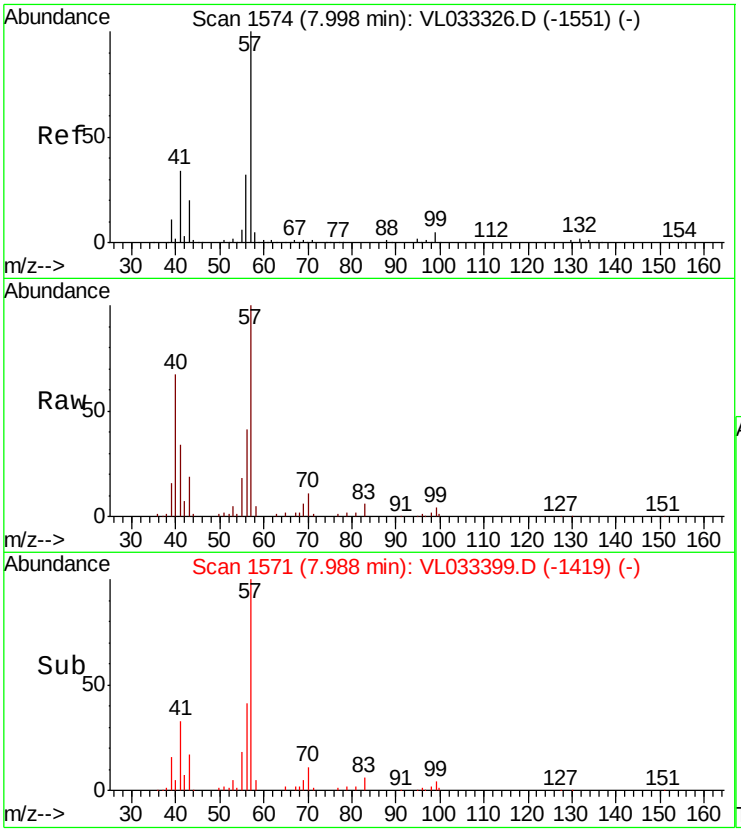


#36
Benzene
Concen: 0.341 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion: 78 Resp: 64630

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.1	27.1
50	14.5	15.2	22.8#



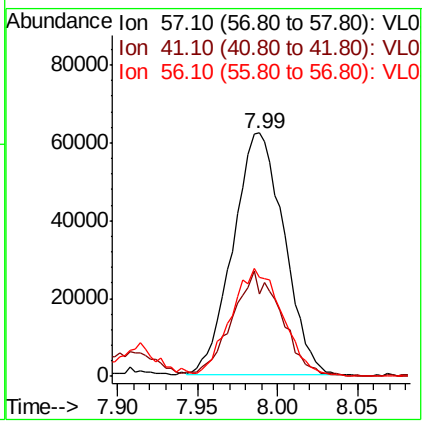


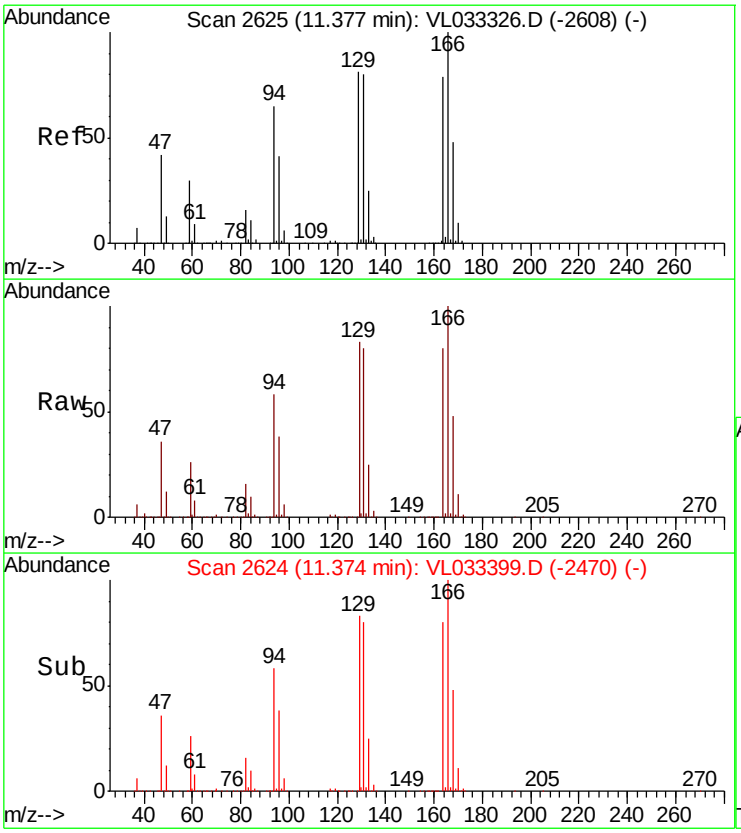
#44
2,2,4-Trimethylpentane
Concen: 0.431 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 57 Resp: 135508

Ion	Ratio	Lower	Upper
57	100		
41	42.0	26.0	39.0#
56	45.4	24.6	36.8#

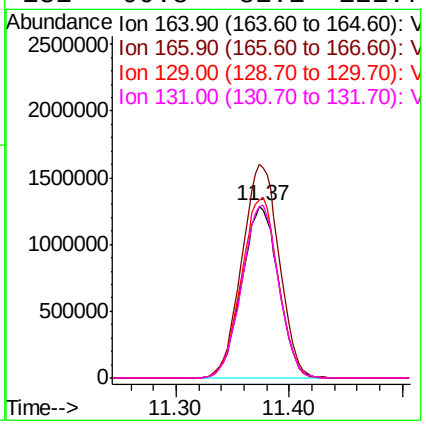


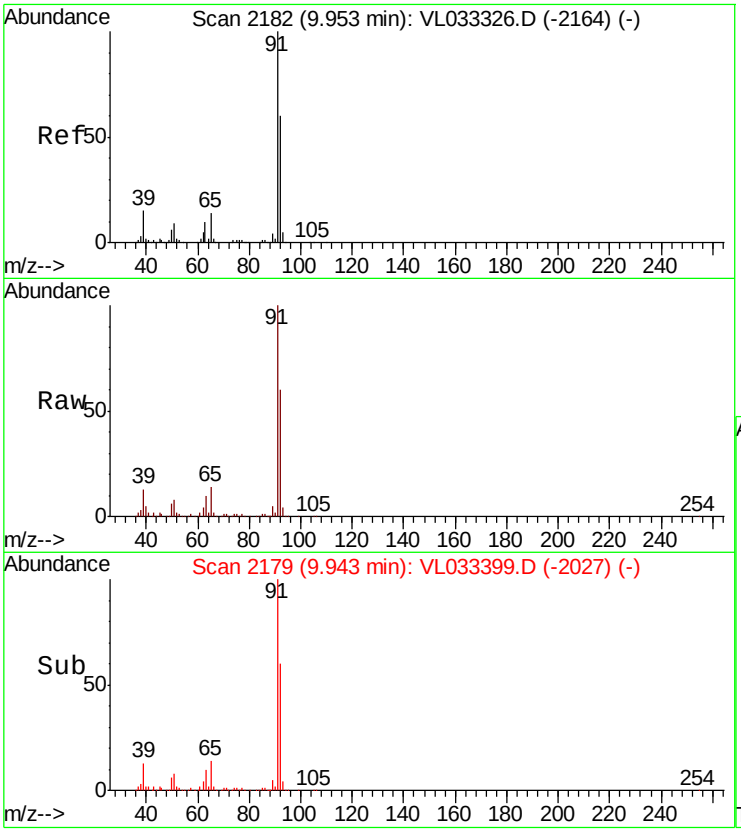


#52
Tetrachloroethene
Concen: 36.668 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion:164 Resp: 2897774

Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.5	152.3
129	103.5	82.2	123.2
131	99.8	81.1	121.7



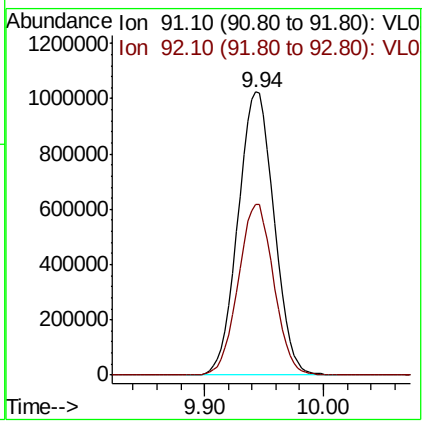


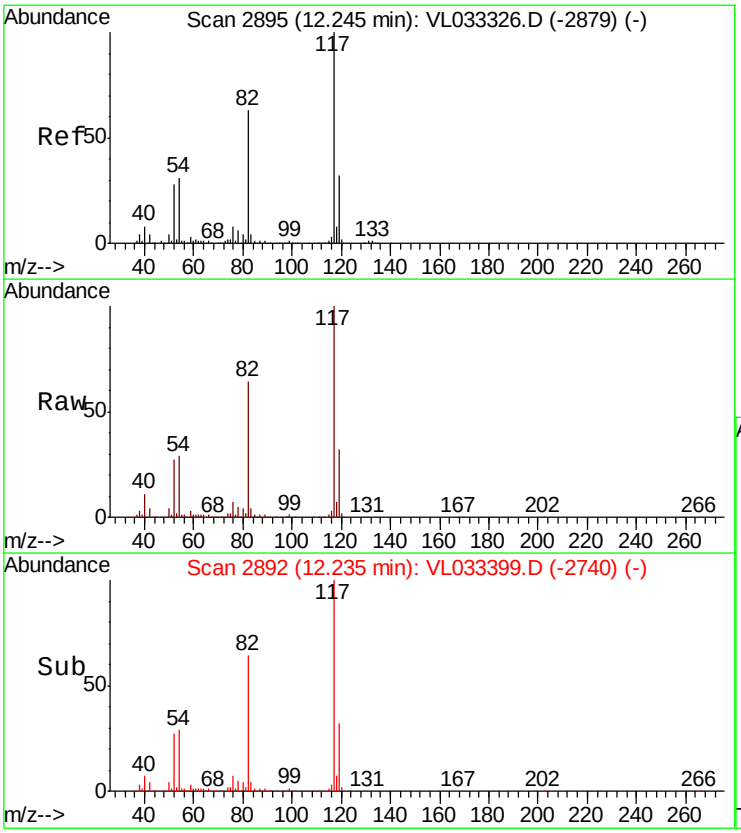
#53
Toluene
Concen: 9.969 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 91 Resp: 2148780

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.4	71.0

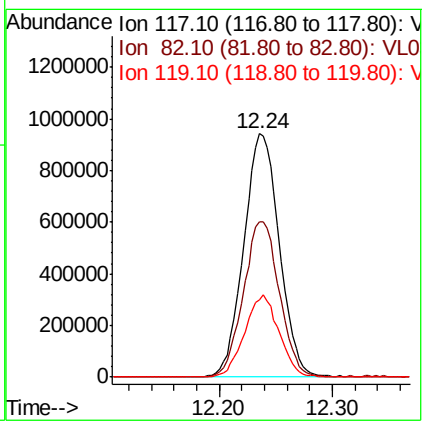


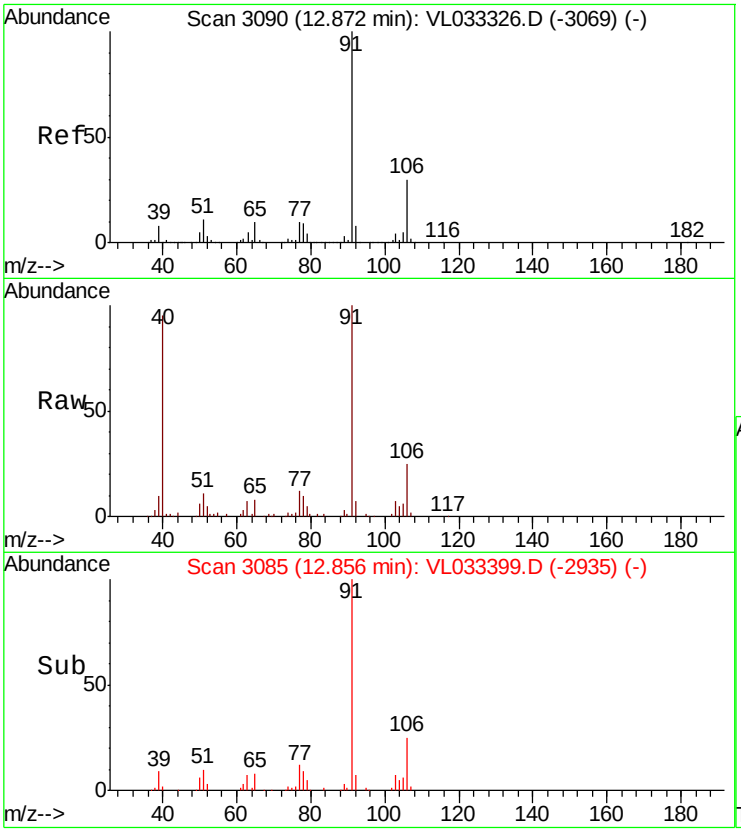


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion:117 Resp: 2059124

Ion	Ratio	Lower	Upper
117	100		
82	64.7	53.4	80.2
119	32.7	27.3	40.9



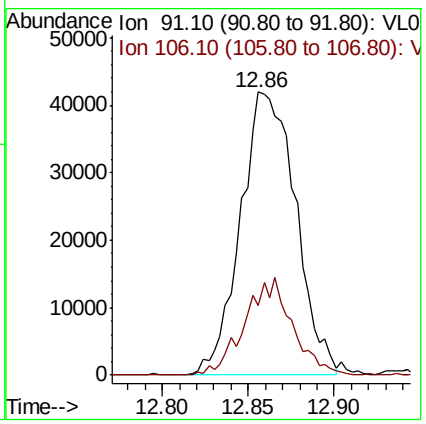


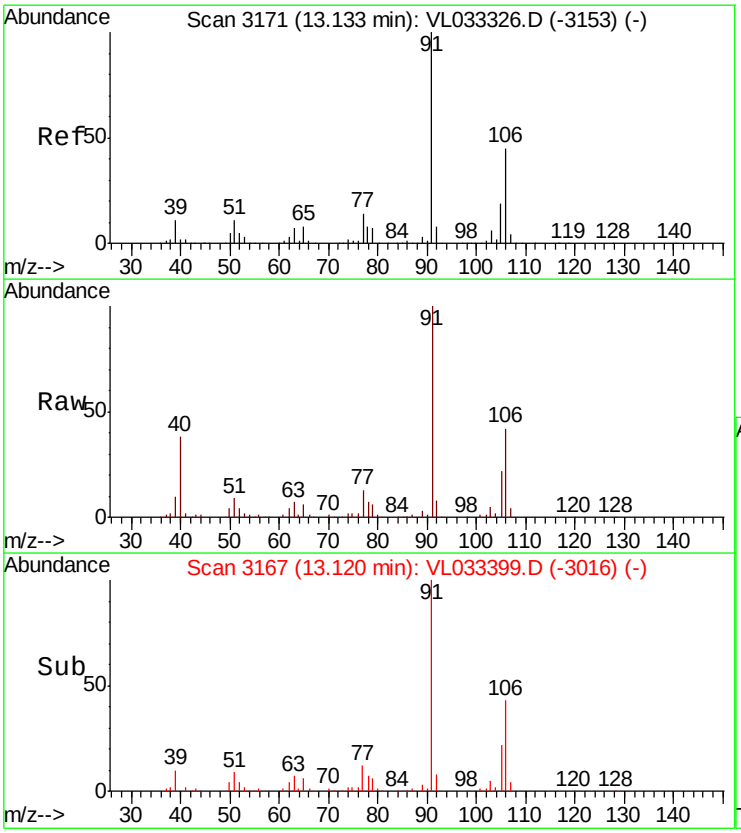
#58
Ethyl Benzene
Concen: 0.321 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.02 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 91 Resp: 93436

Ion	Ratio	Lower	Upper
91	100		
106	24.7	24.2	36.2

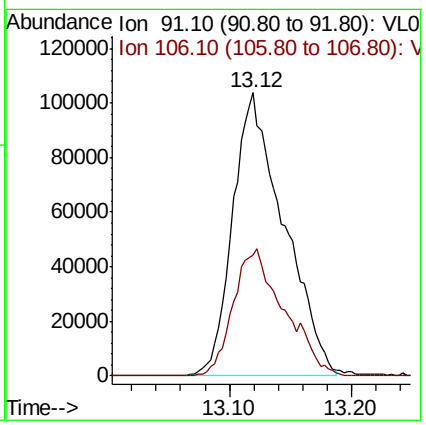


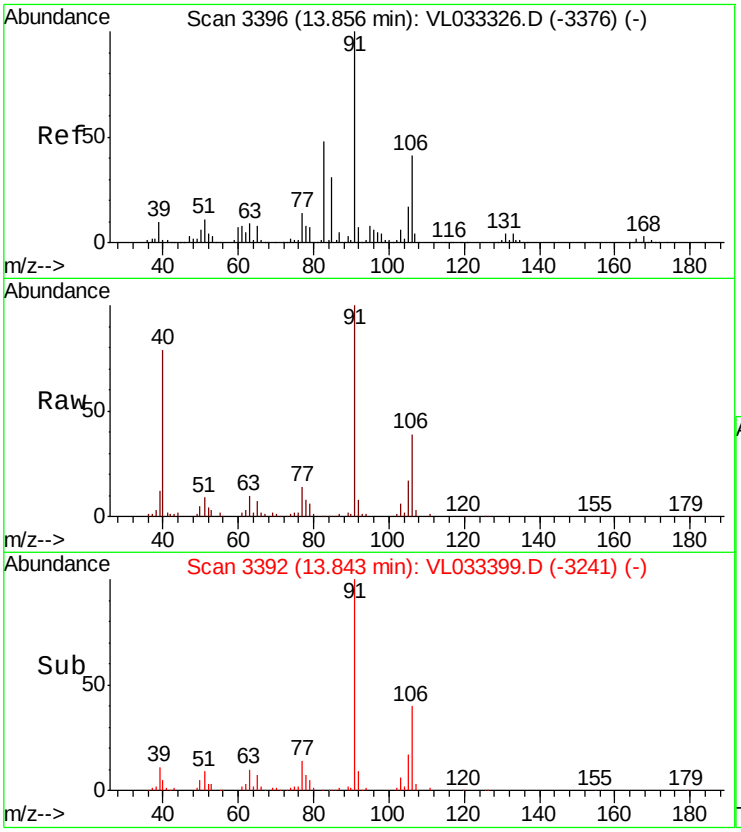


#59
m/p-Xylene
Concen: 1.202 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion: 91 Resp: 300991

Ion	Ratio	Lower	Upper
91	100		
106	44.5	0.0	0.0#



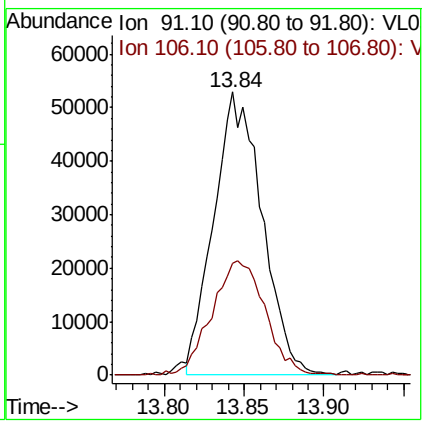


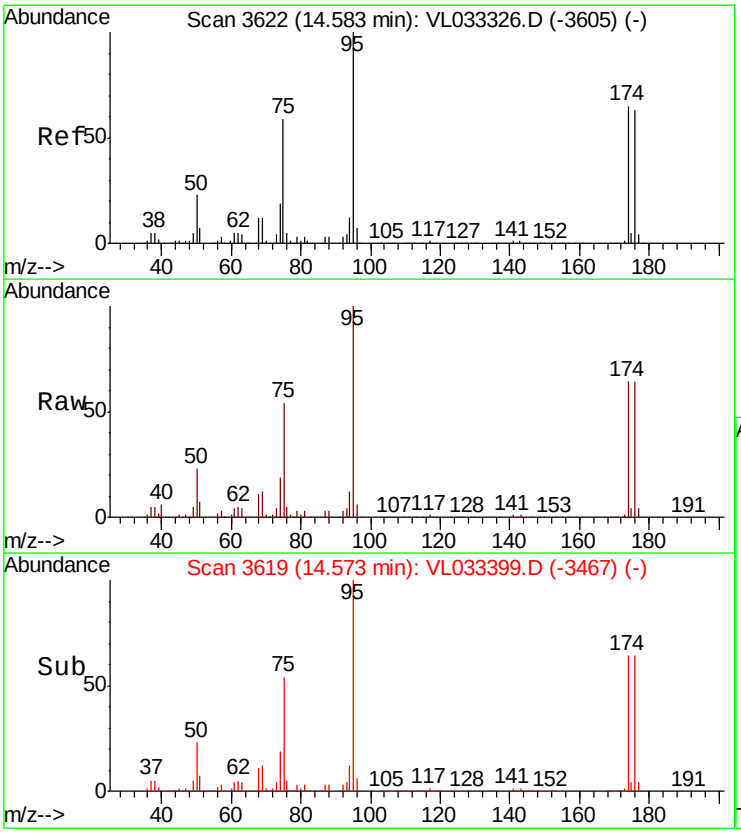
#60
o-Xylene
Concen: 0.448 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument : MSVOA_L
ClientSampleId : IA1DL

Tgt Ion: 91 Resp: 109385

Ion	Ratio	Lower	Upper
91	100		
106	44.8	21.3	63.9

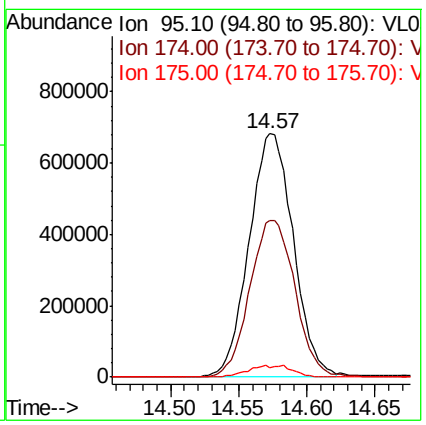


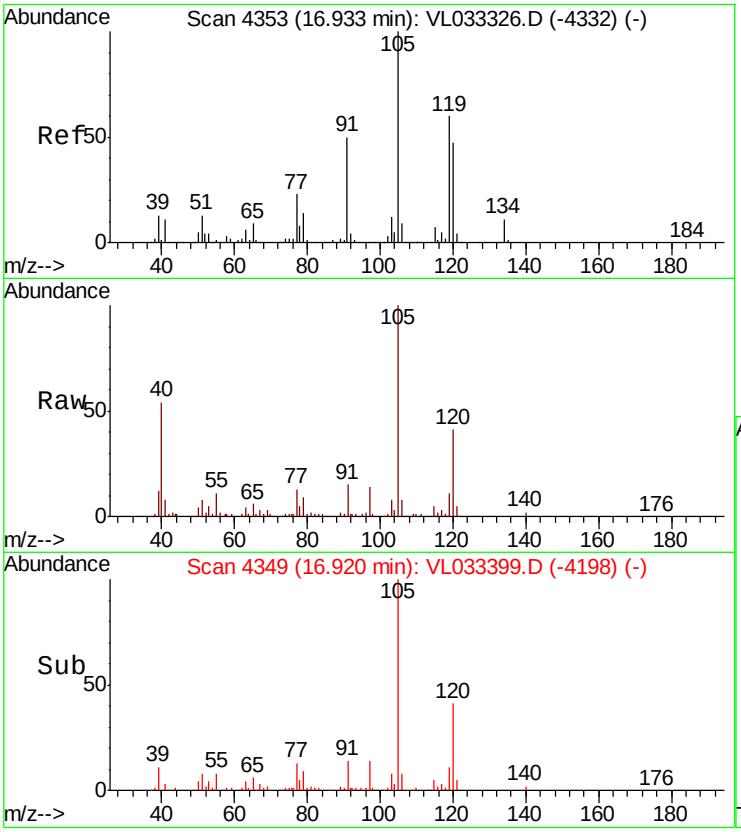


#68
1-Bromo-4-Fluorobenzene
Concen: 10.045 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Tgt Ion: 95 Resp: 1532668

Ion	Ratio	Lower	Upper
95	100		
174	66.4	51.5	77.3
175	4.9	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.584 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033399.D
Acq: 20 Mar 2019 21:06

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion:105 Resp: 167156

Ion	Ratio	Lower	Upper
105	100		
120	41.1	37.4	56.2
91	15.2	41.0	61.4#
77	13.0	18.5	27.7#