Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\
Data File : VL033581.D
Acq On : 11 Apr 2019 2:17
Operator : SY/AP
Sample : K2312-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 05:15:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 2
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
A-9

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	794693	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1888583	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1869849	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1516040	10.34	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	36584	0.316	ppbv		98
3) Chlorodifluoromethane	3.01	51	44202m	0.483	ppbv		
4) Chloromethane	3.17	50	21393	0.442	ppbv		95
9) Propene	3.05	41	23553	0.613	ppbv	#	78
10) Heptane	8.25	43	16314m	0.159	ppbv		
11) Trichlorofluoromethane	4.01	101	30175	0.211	ppbv		88
13) Ethanol	3.66	45	709675	71.378	ppbv		64
15) Acetone	3.90	43	1145442	11.987	ppbv		98
19) Isopropyl Alcohol	4.04	45	137168	2.270	ppbv	#	1
20) Methylene Chloride	4.41	84	1433201	35.334	ppbv		93
26) Hexane	5.78	57	1875417	23.791	ppbv	#	44
34) 2-Butanone	5.34	43	46278	0.408	ppbv		95
35) Carbon Tetrachloride	7.14	117	6643m	0.050	ppbv		
36) Benzene	7.00	78	20845	0.132	ppbv	#	94
44) 2,2,4-Trimethylpentane	7.99	57	21540m	0.078	ppbv		
53) Toluene	9.94	91	552649	3.001	ppbv		98

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

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Data File : VL033581.D
Acq On : 11 Apr 2019 2:17
Operator : SY/AP
Sample : K2312-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 05:15:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
A-9

Manual Integrations APPROVED
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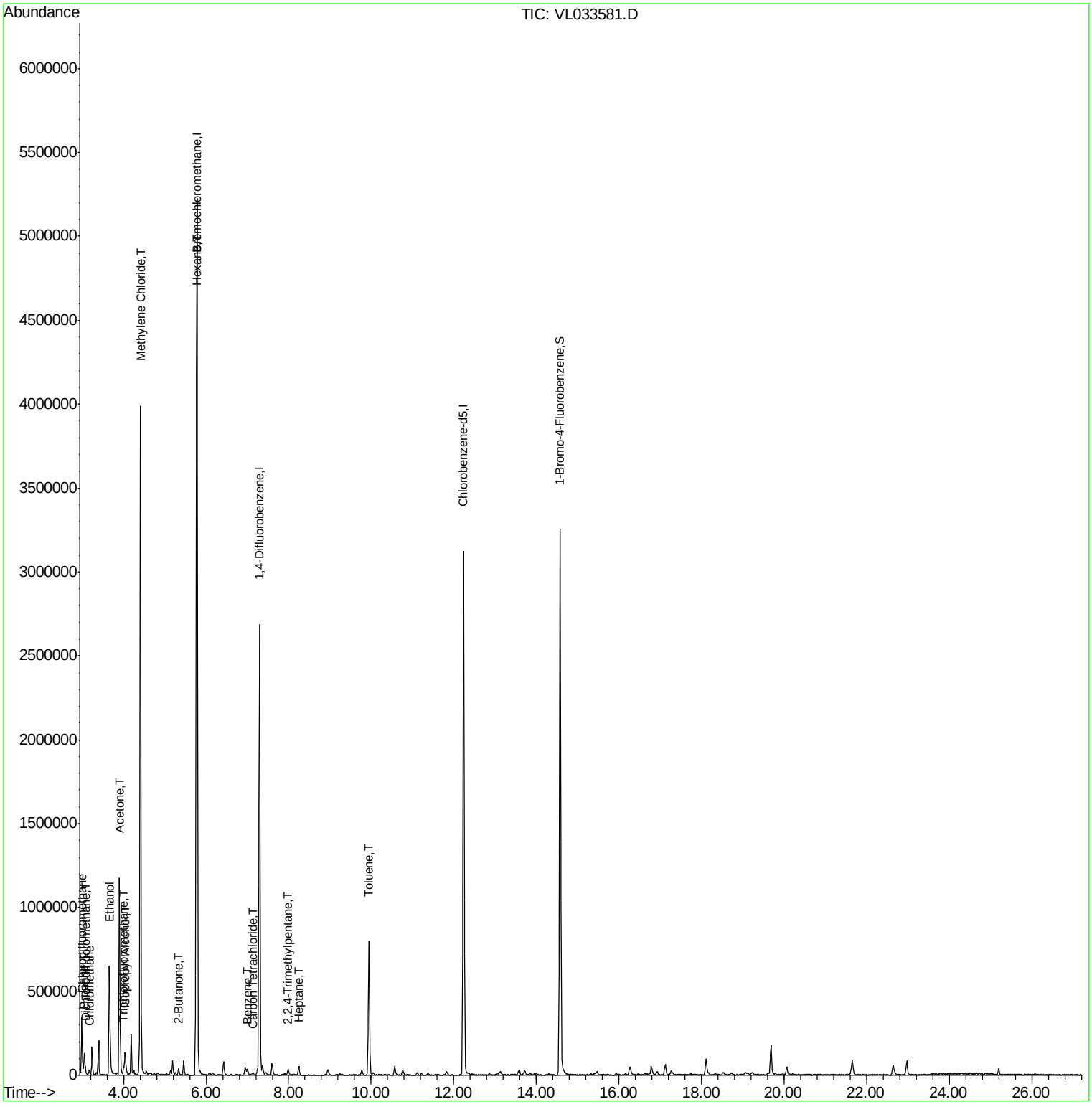
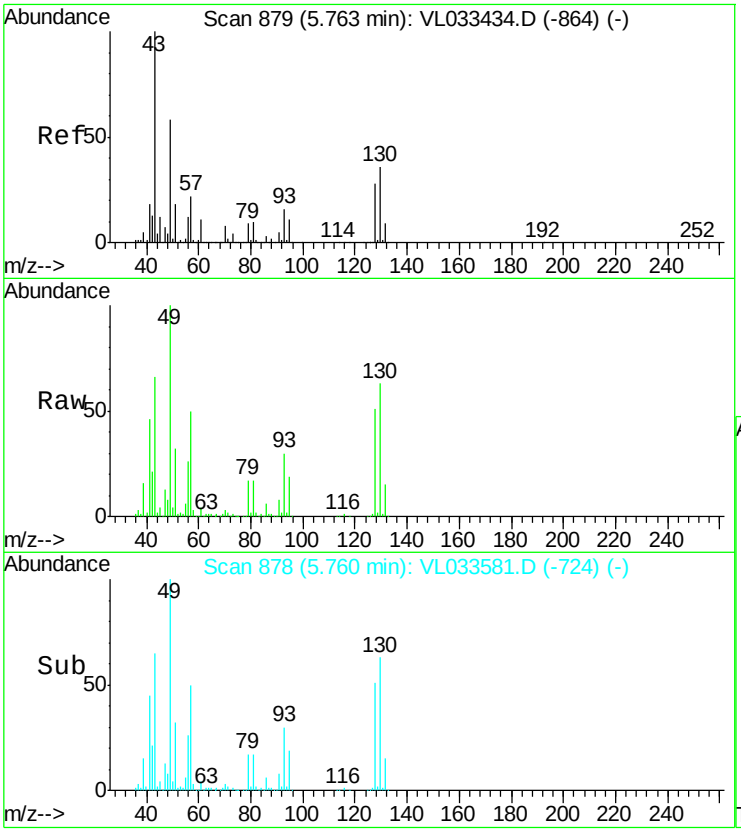
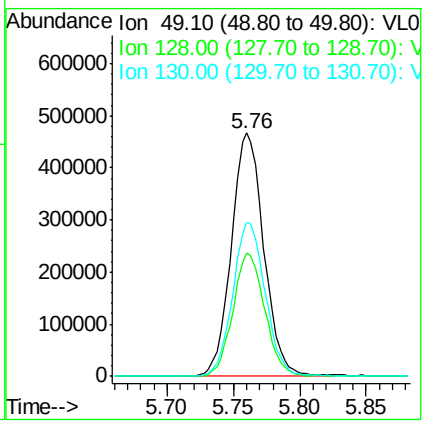




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 49 Resp: 794693

Ion	Ratio	Lower	Upper
49	100		
128	49.9	24.0	72.0
130	63.6	31.2	93.6



Instrument :
MSVOA_L
ClientSampleId :
A-9

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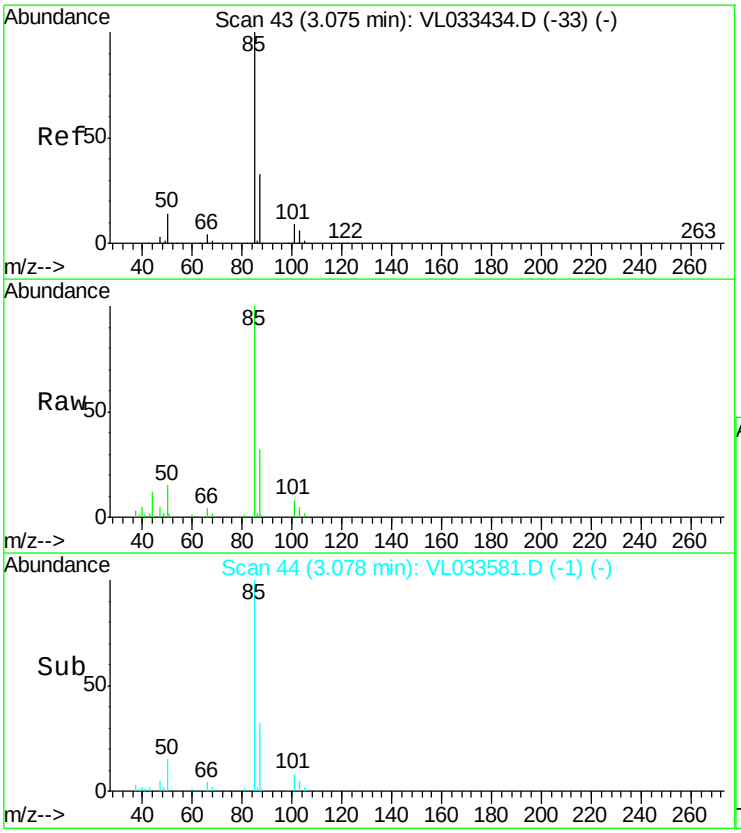
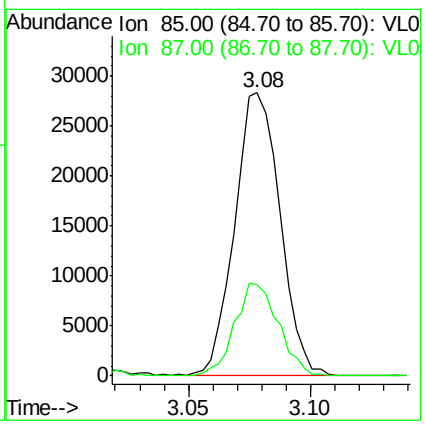
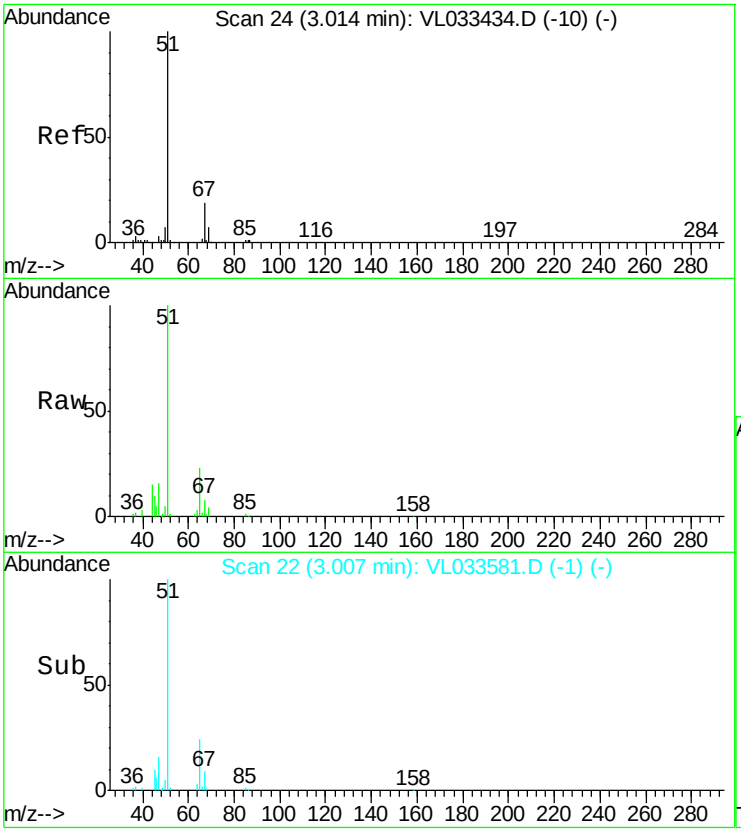


#2
Dichlorodifluoromethane
Concen: 0.316 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 85 Resp: 36584

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.7	40.1

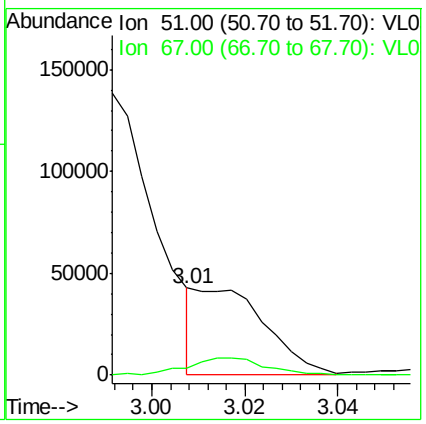




#3
Chlorodifluoromethane
Concen: 0.483 ppbv m
RT: 3.01 min Scan# 22
Delta R.T. -0.01 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 51 Resp: 44202

Ion	Ratio	Lower	Upper
51	100		
67	22.6	15.7	23.5



Instrument :
MSVOA_L
ClientSampleId :
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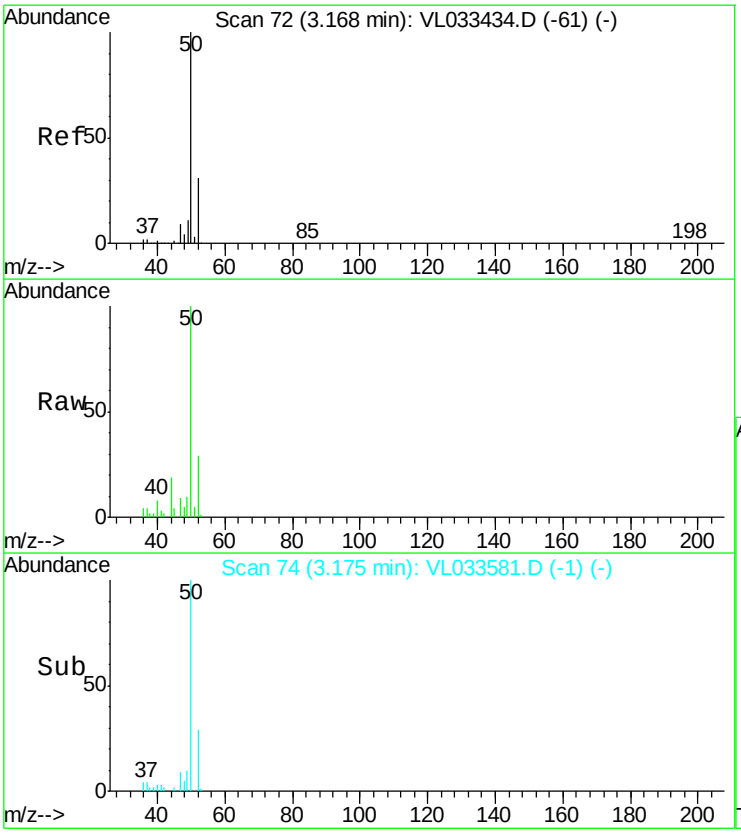
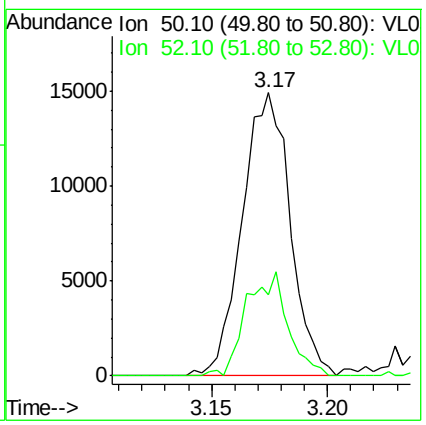
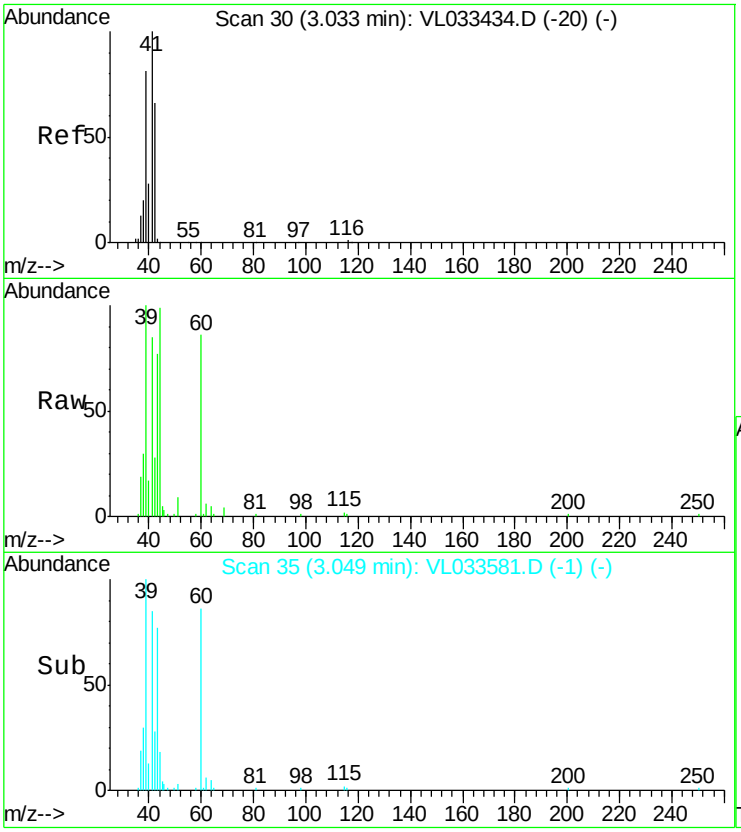


#4
Chloromethane
Concen: 0.442 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 50 Resp: 21393

Ion	Ratio	Lower	Upper
50	100		
52	28.7	25.0	37.6

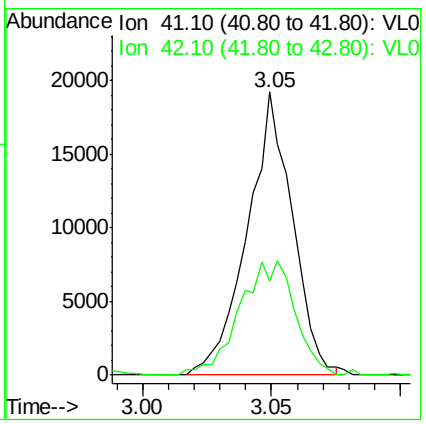




#9
Propene
Concen: 0.613 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.02 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 41 Resp: 23553

Ion	Ratio	Lower	Upper
41	100		
42	49.8	53.9	80.9#



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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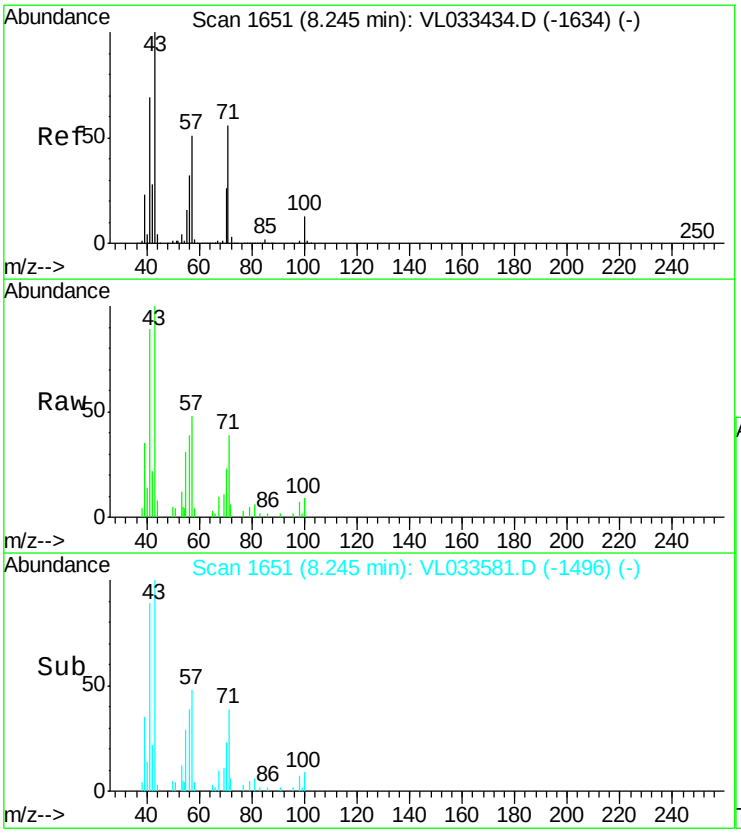
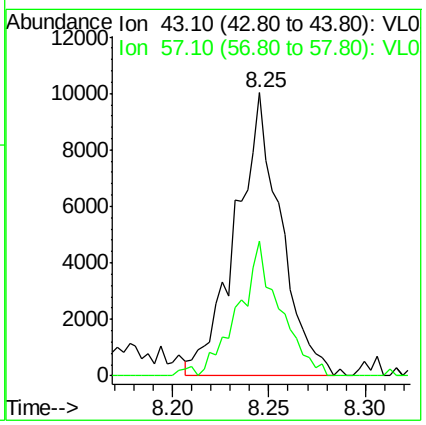
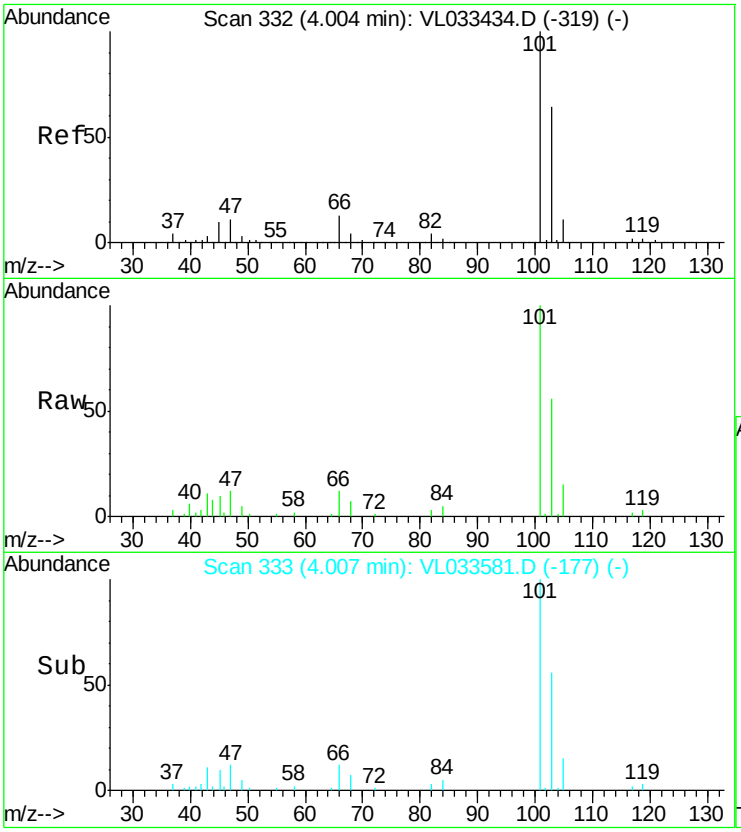


#10
Heptane
Concen: 0.159 ppbv m
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 43 Resp: 16314

Ion	Ratio	Lower	Upper
43	100		
57	44.1	40.6	60.8

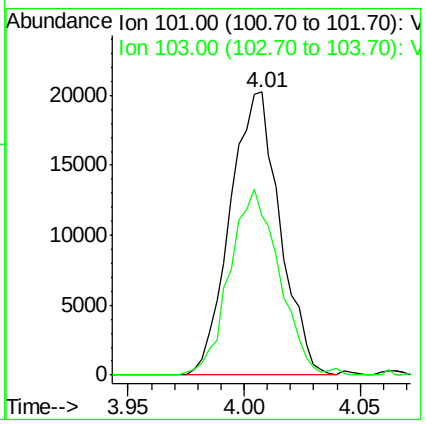




#11
Trichlorofluoromethane
Concen: 0.211 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion:101 Resp: 30175

Ion	Ratio	Lower	Upper
101	100		
103	55.0	51.3	76.9



Instrument :
MSVOA_L
ClientSampleId :
A-9

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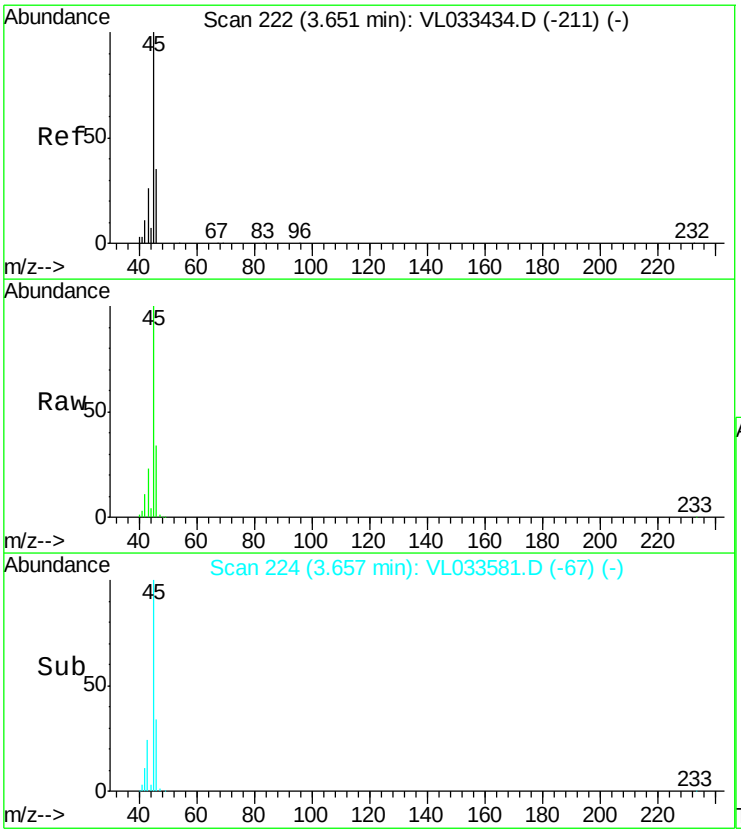
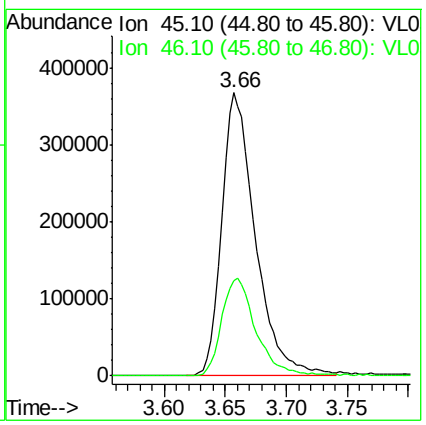
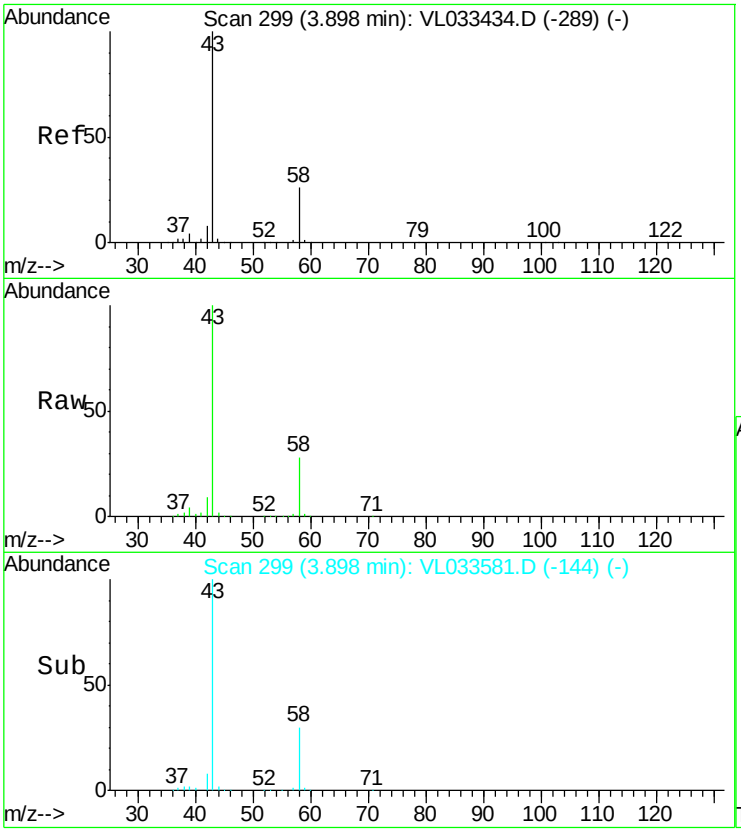


#13
Ethanol
Concen: 71.378 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 45 Resp: 709675

Ion	Ratio	Lower	Upper
45	100		
46	35.7	25.4	101.8

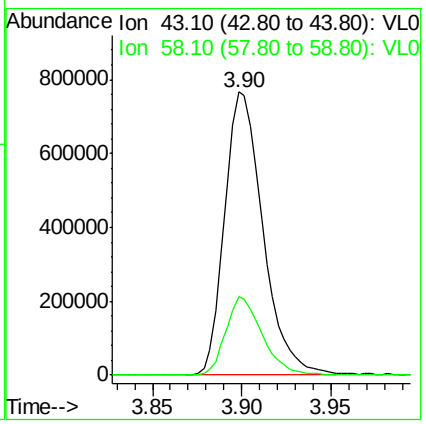




#15
Acetone
Concen: 11.987 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 43 Resp: 1145442

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.5	30.7



Instrument :
MSVOA_L
ClientSampleId :
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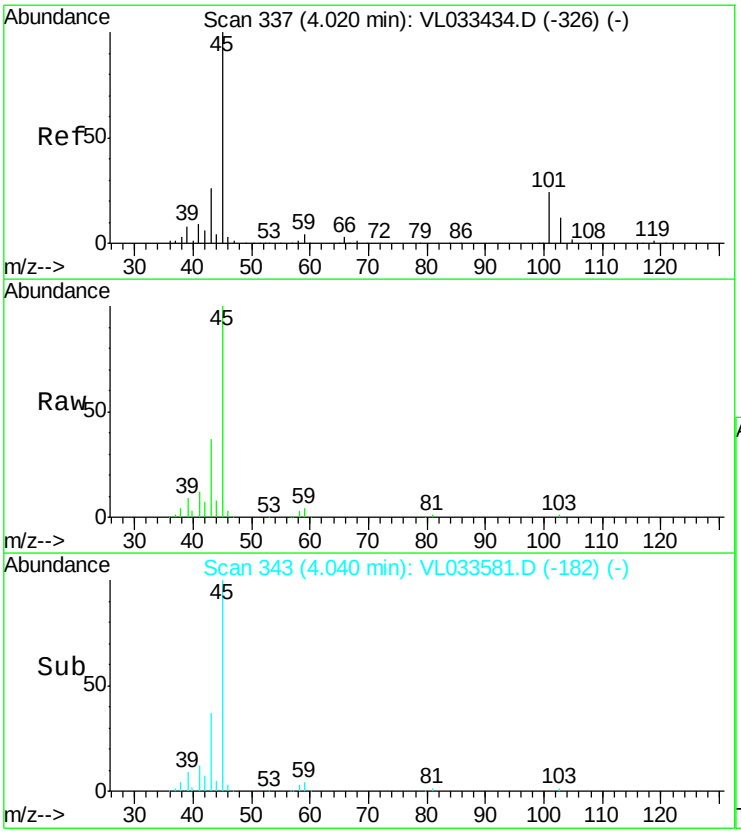
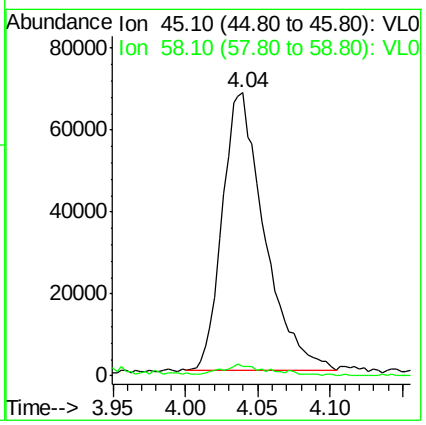
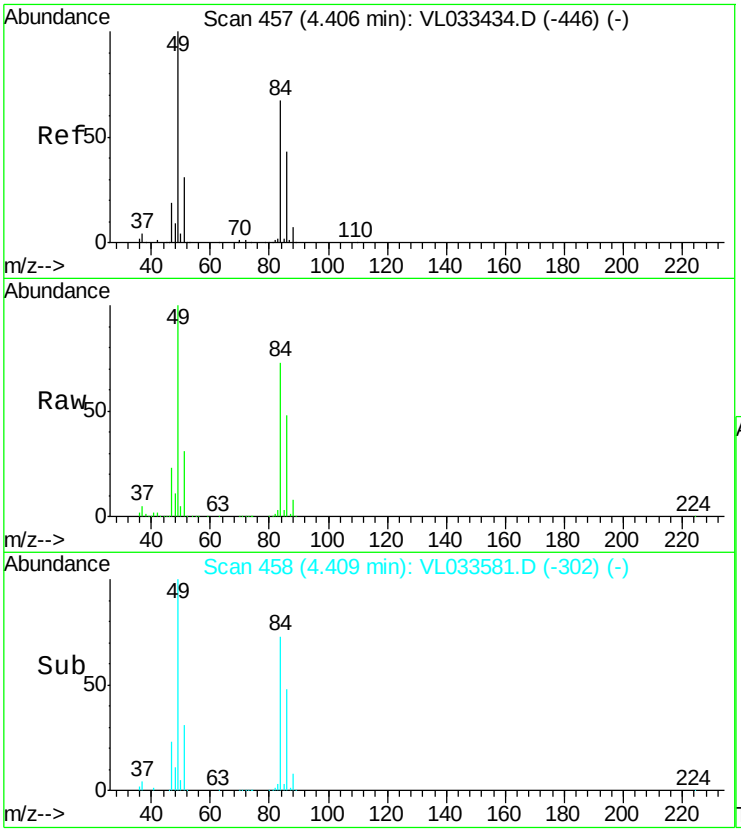


#19
Isopropyl Alcohol
Concen: 2.270 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 45 Resp: 137168

Ion	Ratio	Lower	Upper
45	100		
58	222.8	1.4	2.2#

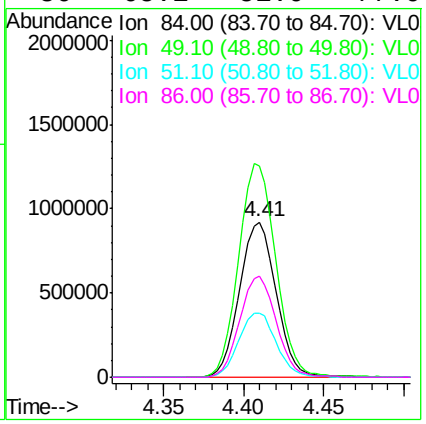




#20
Methylene Chloride
Concen: 35.334 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 84 Resp: 1433201

Ion	Ratio	Lower	Upper
84	100		
49	136.4	120.0	180.0
51	41.7	36.7	55.1
86	65.1	51.9	77.9



Instrument :
MSVOA_L
ClientSampleId :
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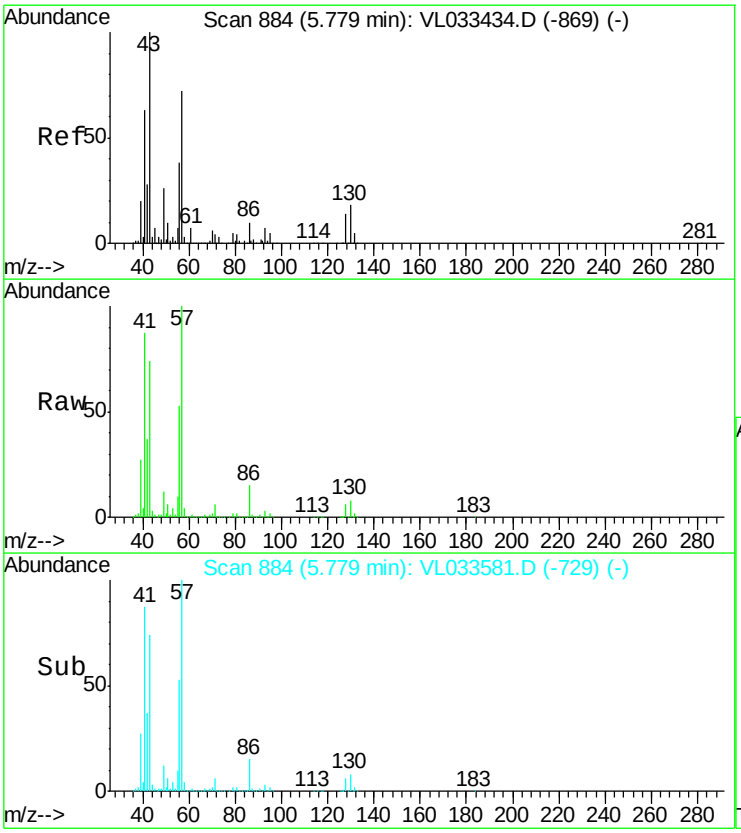
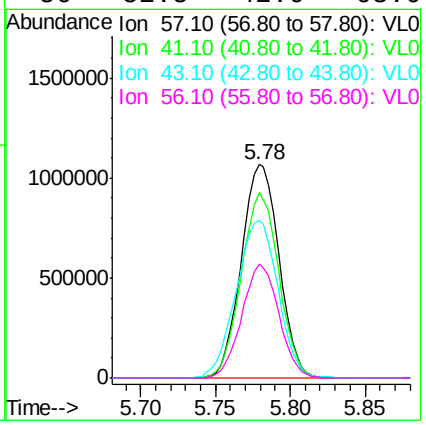
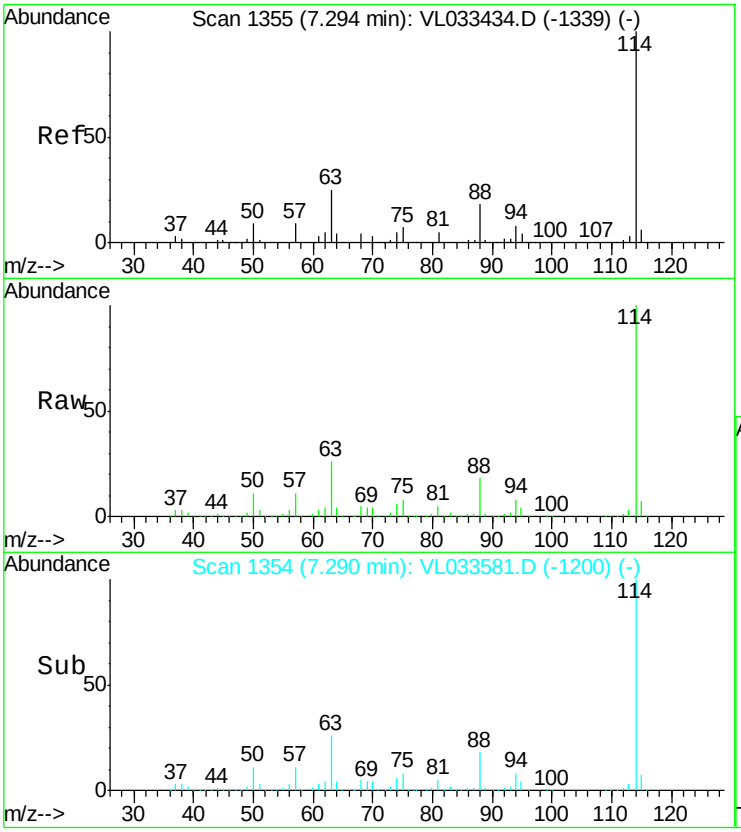


#26
Hexane
Concen: 23.791 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 57 Resp: 1875417

Ion	Ratio	Lower	Upper
57	100		
41	86.8	70.7	106.1
43	81.7	182.6	274.0#
56	52.5	42.0	63.0

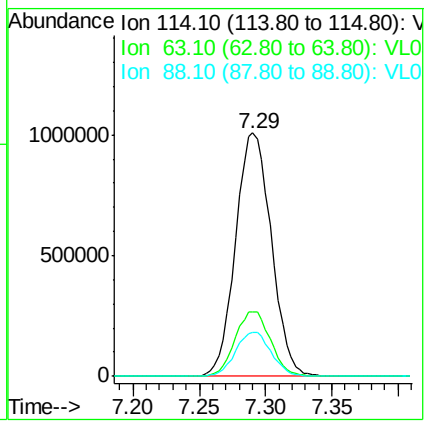




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion:114 Resp: 1888583

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.0	14.5	21.7



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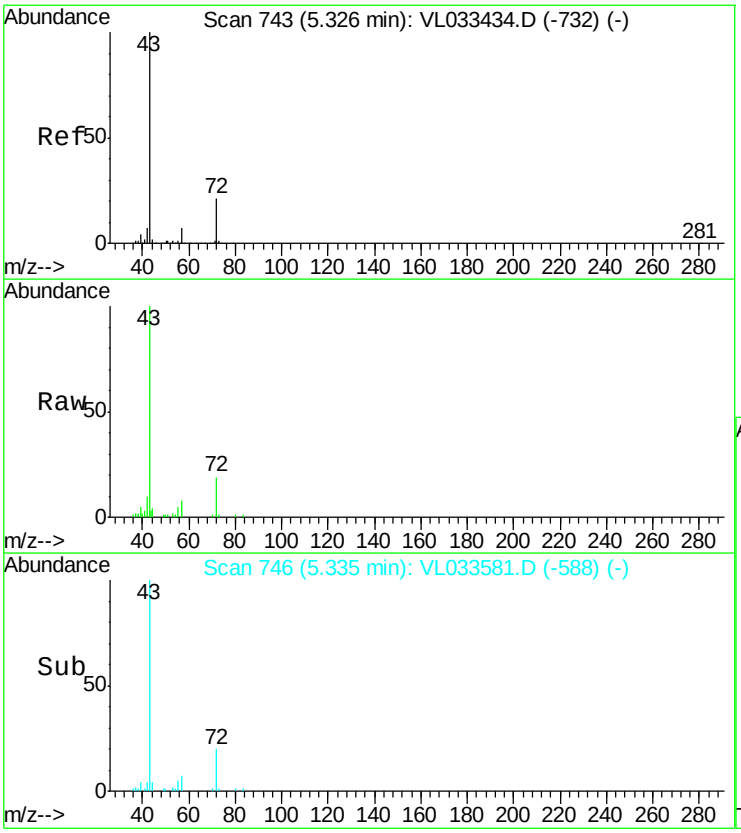
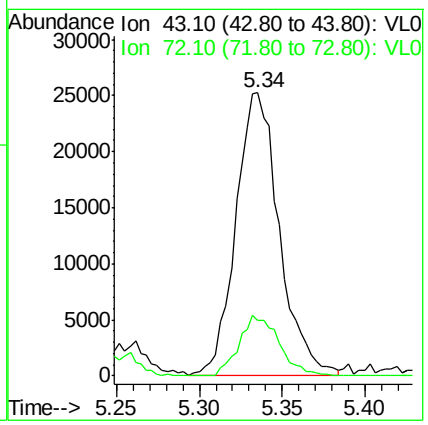
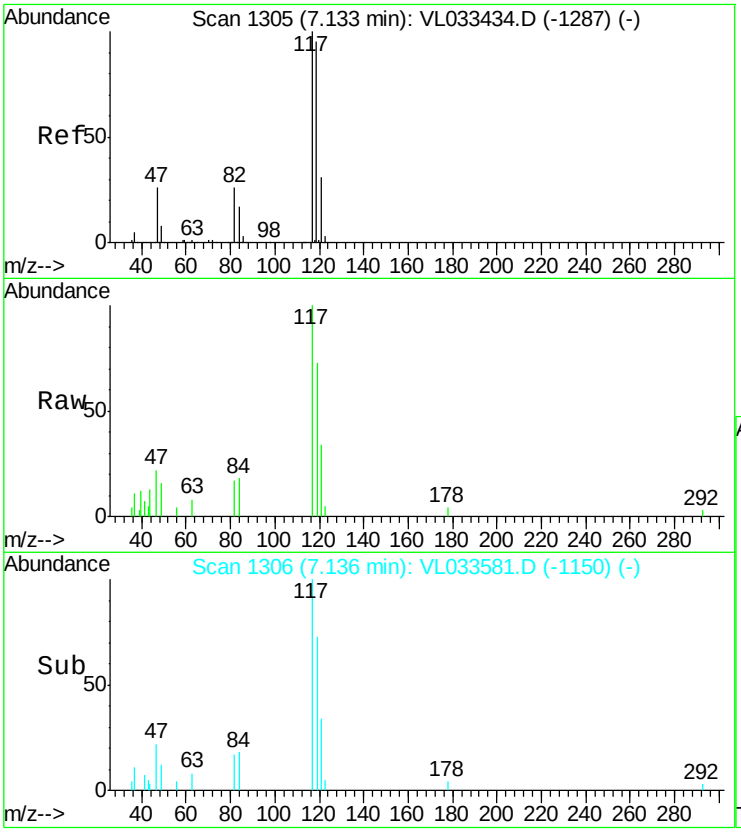


#34
2-Butanone
Concen: 0.408 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 43 Resp: 46278

Ion	Ratio	Lower	Upper
43	100		
72	19.4	17.4	26.2

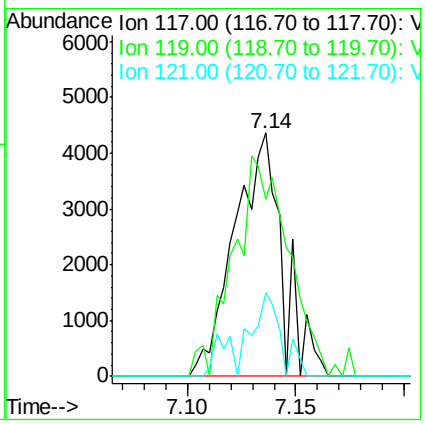




#35
Carbon Tetrachloride
Concen: 0.050 ppbv m
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion:117 Resp: 6643

Ion	Ratio	Lower	Upper
117	100		
119	72.7	75.8	113.8#
121	34.1	24.7	37.1



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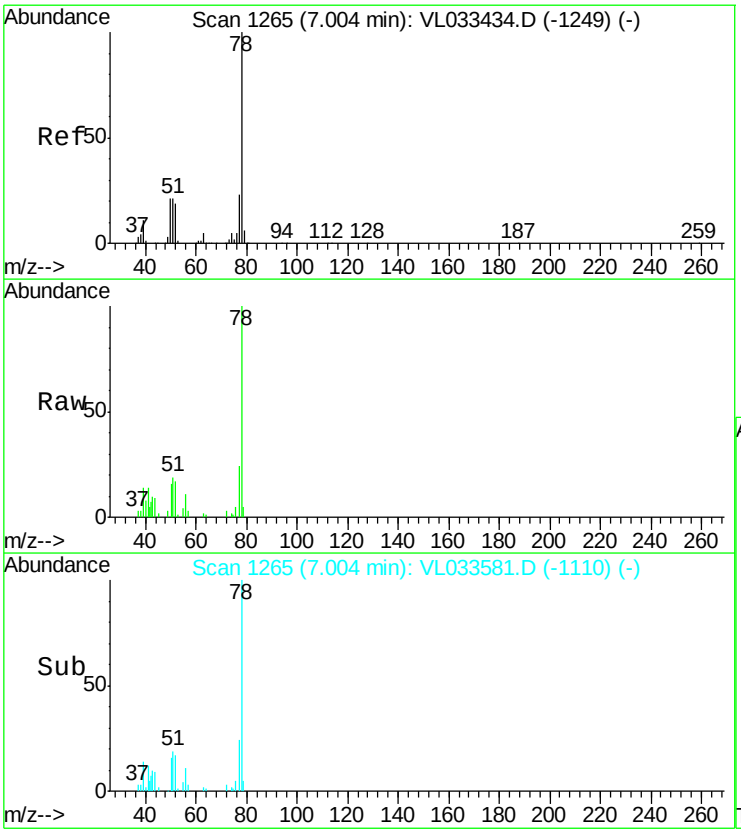
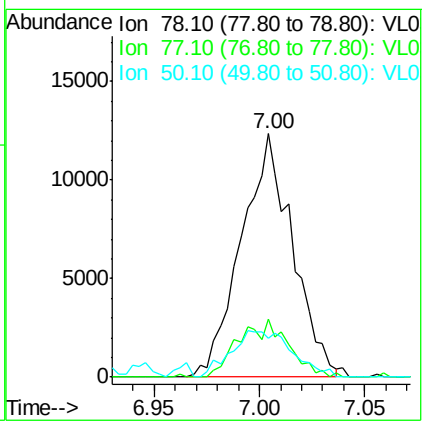
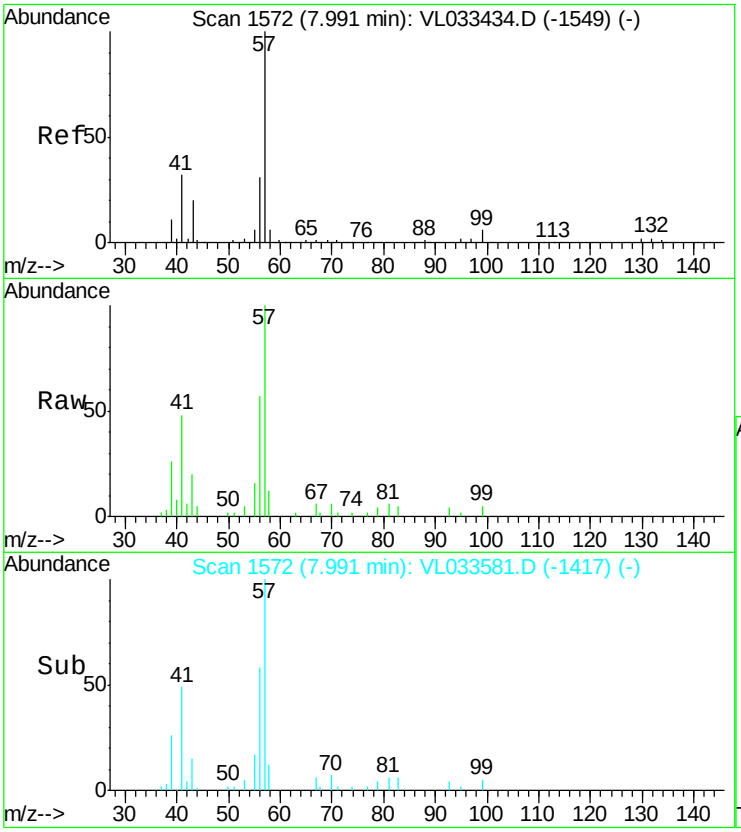


#36
Benzene
Concen: 0.132 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 78 Resp: 20845

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.1	27.1
50	15.0	16.7	25.1#

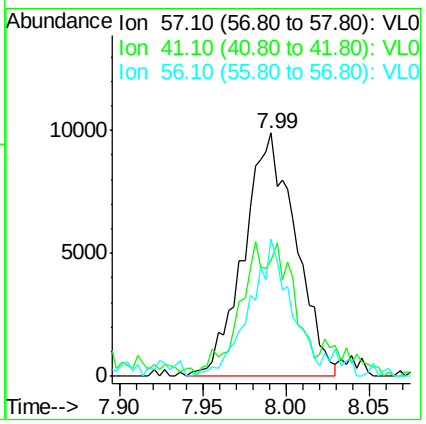




#44
2,2,4-Trimethylpentane
Concen: 0.078 ppbv m
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 57 Resp: 21540

Ion	Ratio	Lower	Upper
57	100		
41	64.1	26.0	39.0#
56	49.2	24.6	37.0#



Instrument :
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MMDadoda
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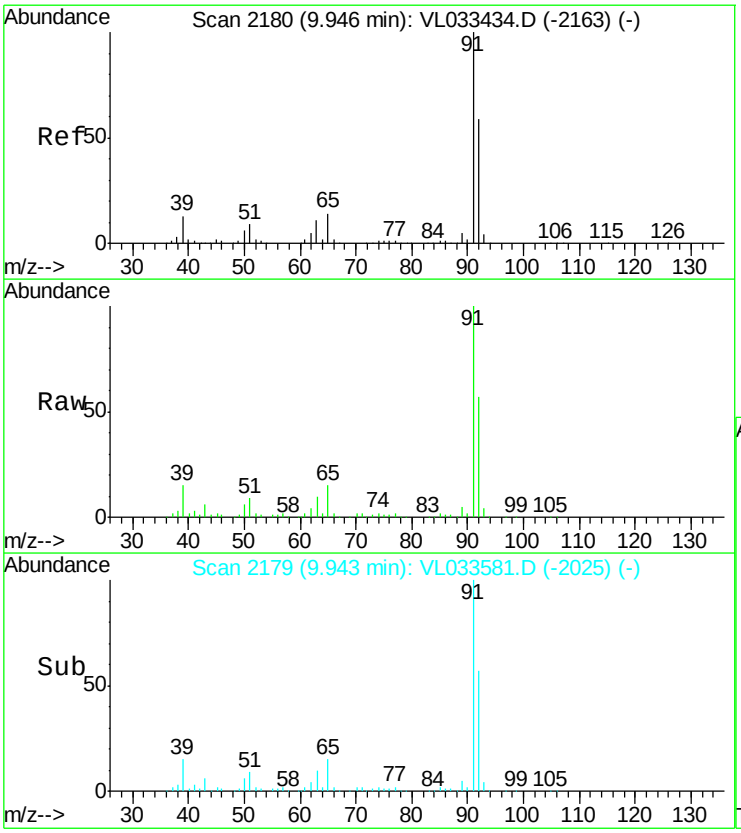
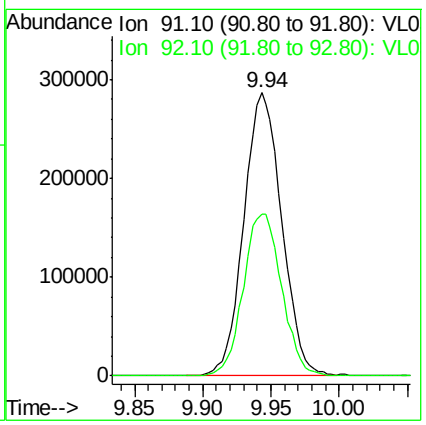
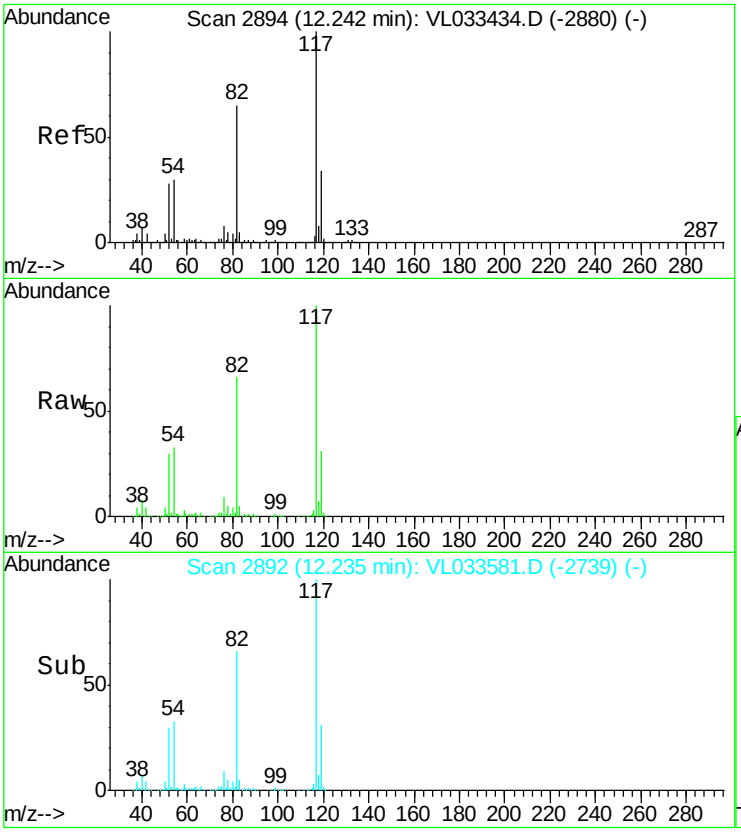


#53
Toluene
Concen: 3.001 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 91 Resp: 552649

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.4	71.0

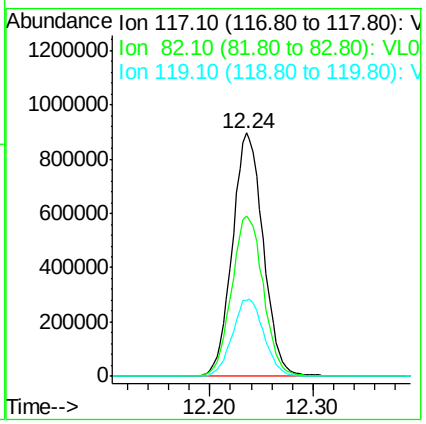




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

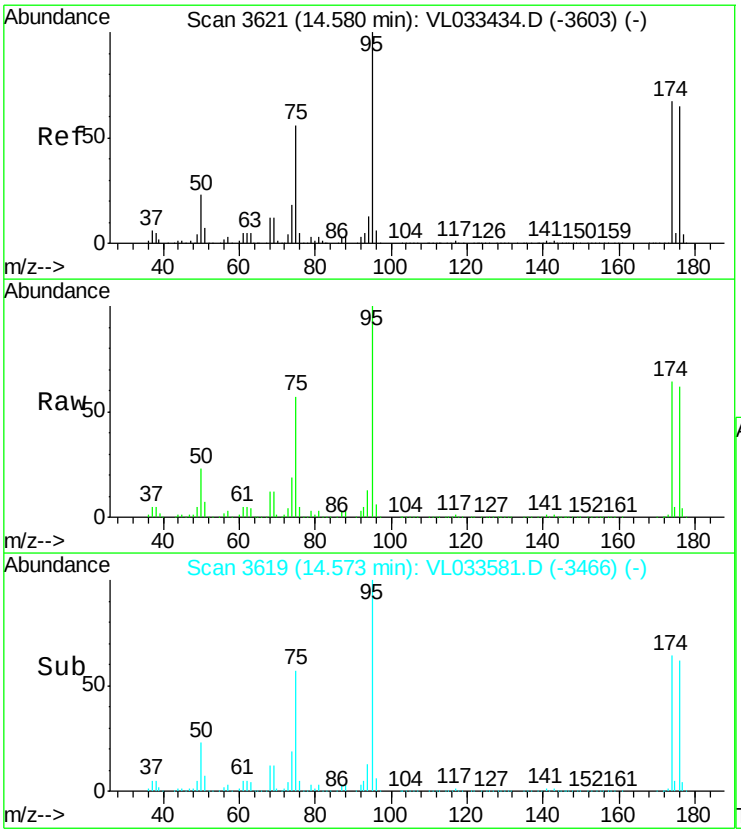
Tgt Ion:117 Resp: 1869849

Ion	Ratio	Lower	Upper
117	100		
82	67.6	51.5	77.3
119	32.3	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
A-9

Manual Integrations APPROVED
MMDadoda
4/11/2019 1:02:11 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.342 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033581.D
Acq: 11 Apr 2019 2:17

Tgt Ion: 95 Resp: 1516040

Ion	Ratio	Lower	Upper
95	100		
174	66.2	52.9	79.3
175	4.7	3.8	5.6