Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\
Data File : VL033569.D
Acq On : 10 Apr 2019 18:19
Operator : SY/AP
Sample : K2301-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 04:09:55 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 : OA1DUP

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	847935	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1980468	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1918756	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1534095	10.20	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	35861	0.290	ppbv	99
3) Chlorodifluoromethane	3.02	51	102587m	1.051	ppbv	
4) Chloromethane	3.18	50	26234	0.508	ppbv #	88
9) Propene	3.05	41	52494m	1.280	ppbv	
11) Trichlorofluoromethane	4.00	101	31048	0.204	ppbv	97
13) Ethanol	3.65	45	321206	30.278	ppbv	65
15) Acetone	3.90	43	437947	4.295	ppbv	99
19) Isopropyl Alcohol	4.03	45	80008m	1.241	ppbv	
20) Methylene Chloride	4.41	84	140590	3.248	ppbv	94
26) Hexane	5.78	57	94263	1.121	ppbv #	43
34) 2-Butanone	5.34	43	41584	0.349	ppbv	98
36) Benzene	7.00	78	48705	0.293	ppbv	96
53) Toluene	9.94	91	122415	0.634	ppbv	97

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

Quantitation Report (QT Reviewed)

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Quant Time: Apr 11 04:09:55 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 :
OA1DUP

Manual Integrations APPROVED
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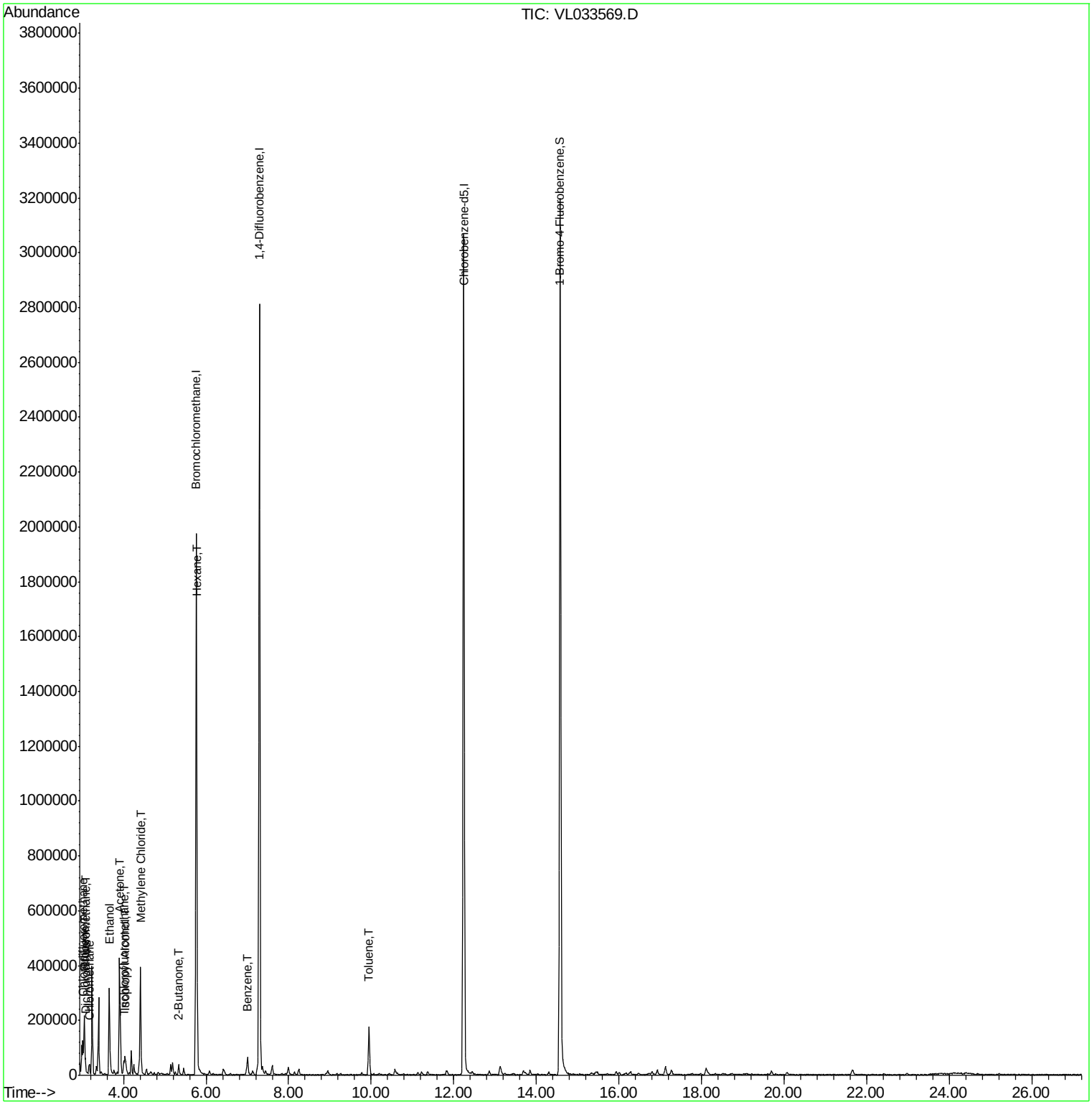
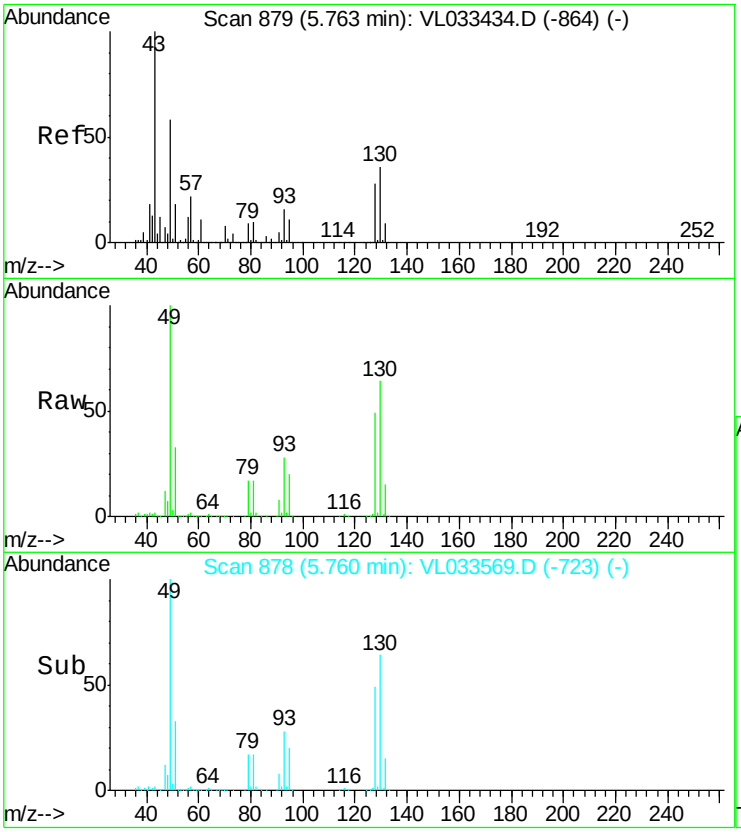
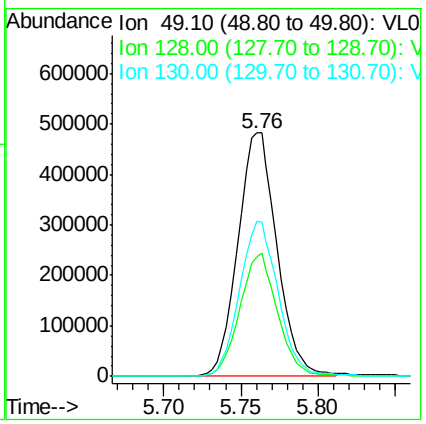




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 49 Resp: 847935

Ion	Ratio	Lower	Upper
49	100		
128	49.0	24.0	72.0
130	63.2	31.2	93.6



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

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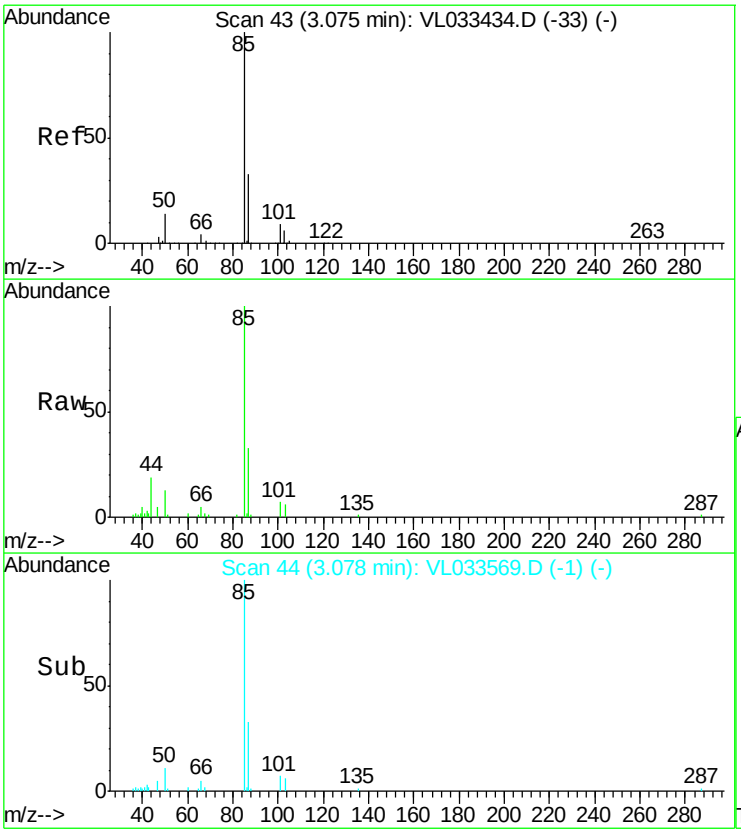
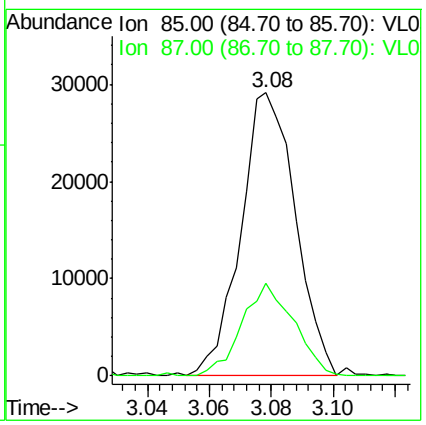
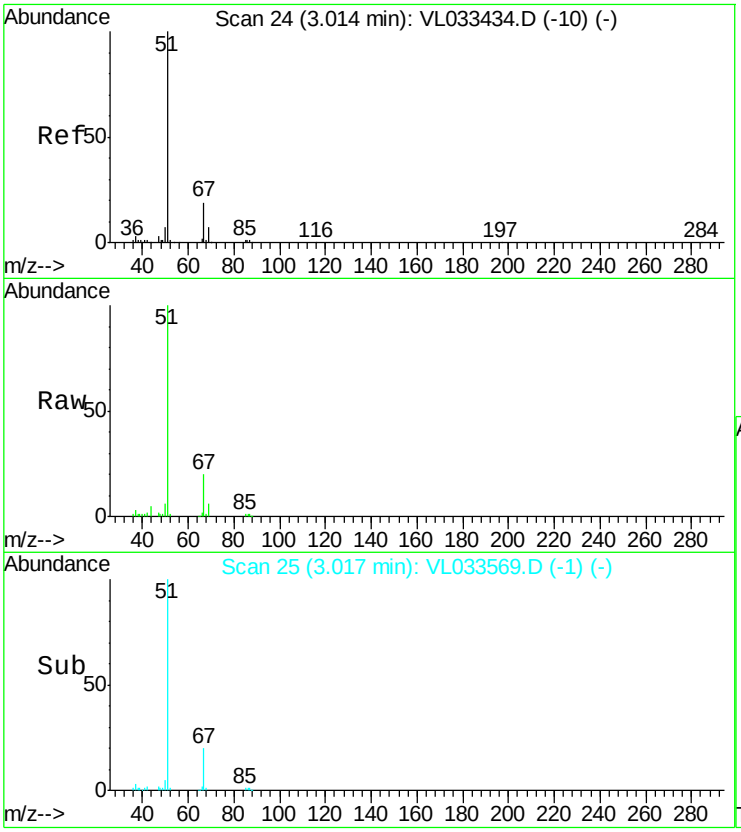


#2
Dichlorodifluoromethane
Concen: 0.290 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 85 Resp: 35861

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.7	40.1

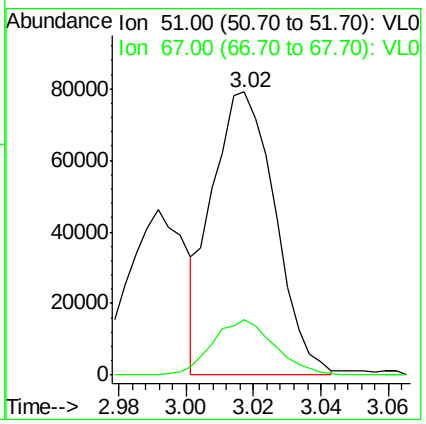




#3
Chlorodifluoromethane
Concen: 1.051 ppbv m
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 51 Resp: 102587

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.7	23.5



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

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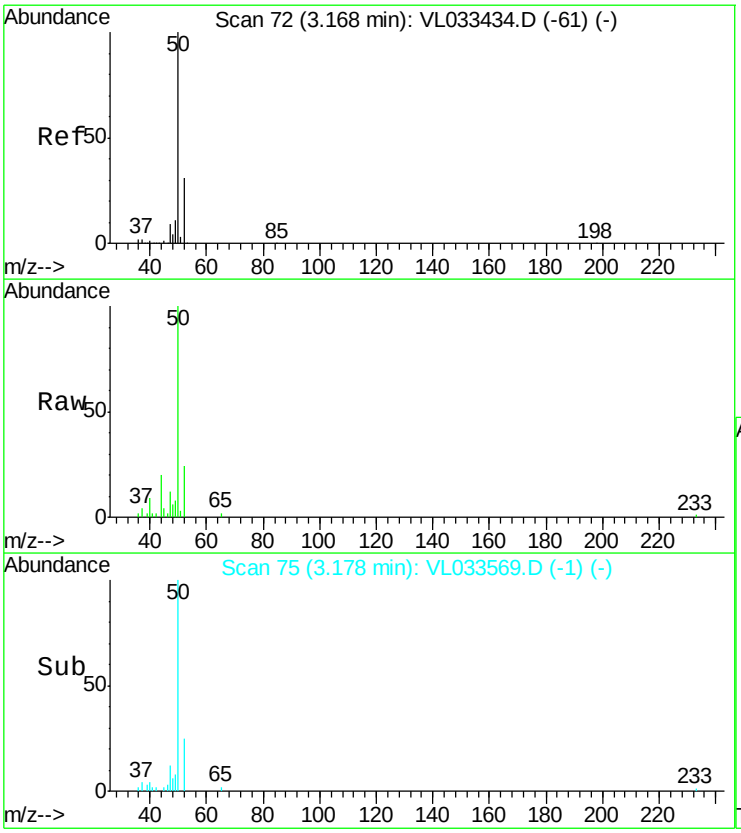
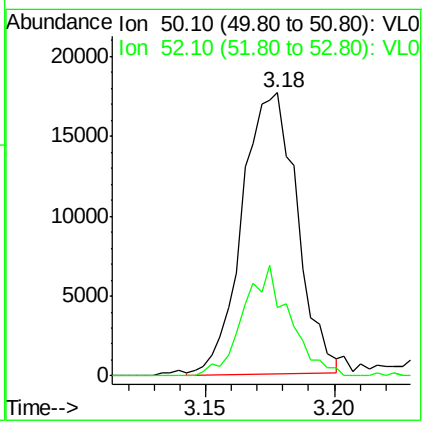
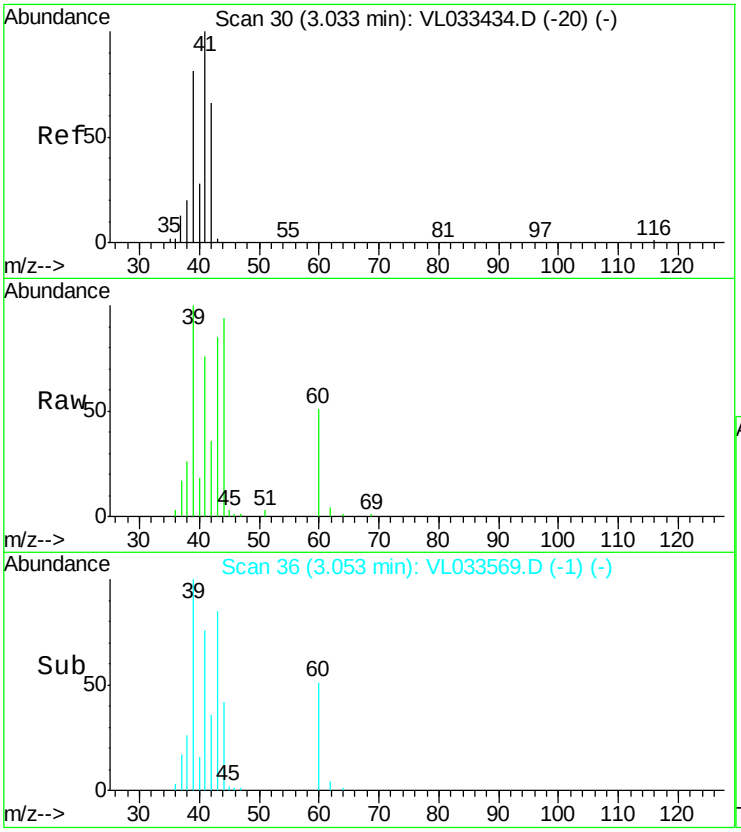


#4
Chloromethane
Concen: 0.508 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 50 Resp: 26234

Ion	Ratio	Lower	Upper
50	100		
52	24.6	25.0	37.6#





#9
Propene
Concen: 1.280 ppbv m
RT: 3.05 min Scan# 36
Delta R.T. 0.02 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 41 Resp: 52494

Ion	Ratio	Lower	Upper
41	100		
42	124.7	53.9	80.9#

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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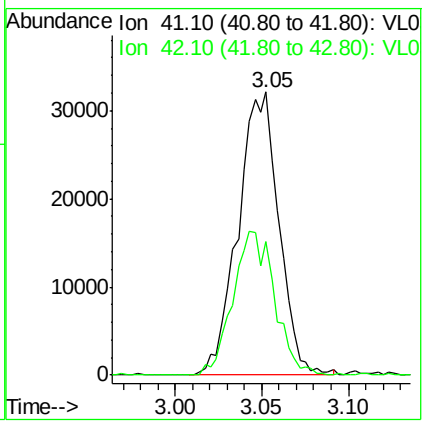
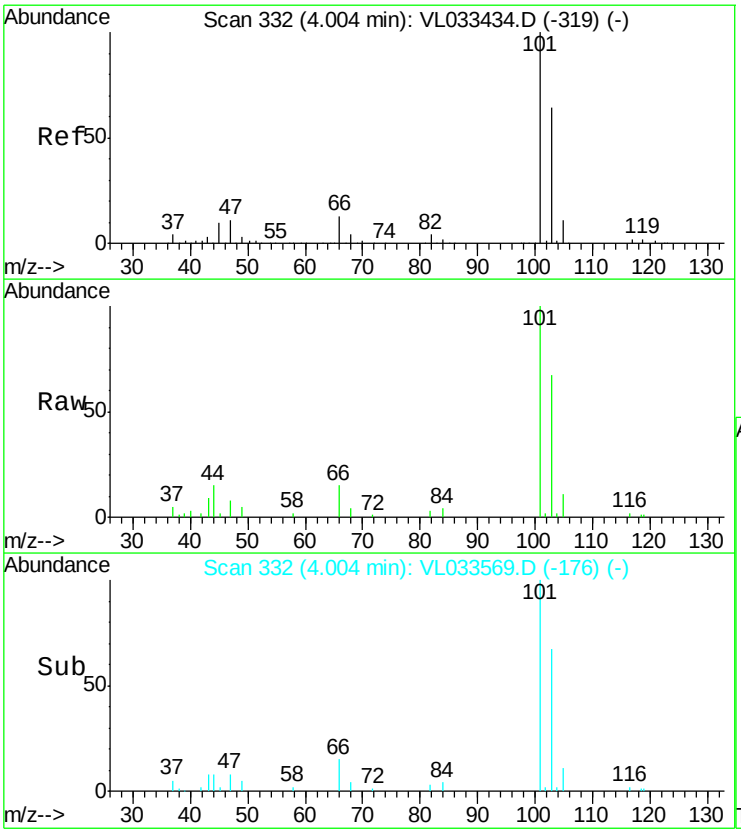
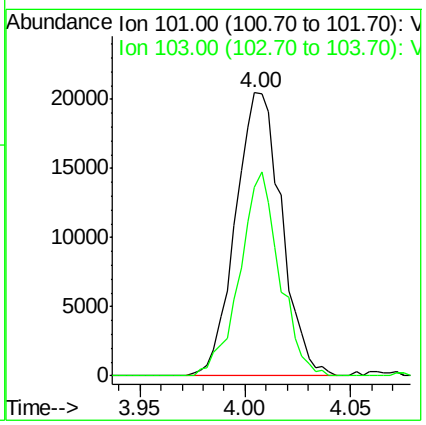


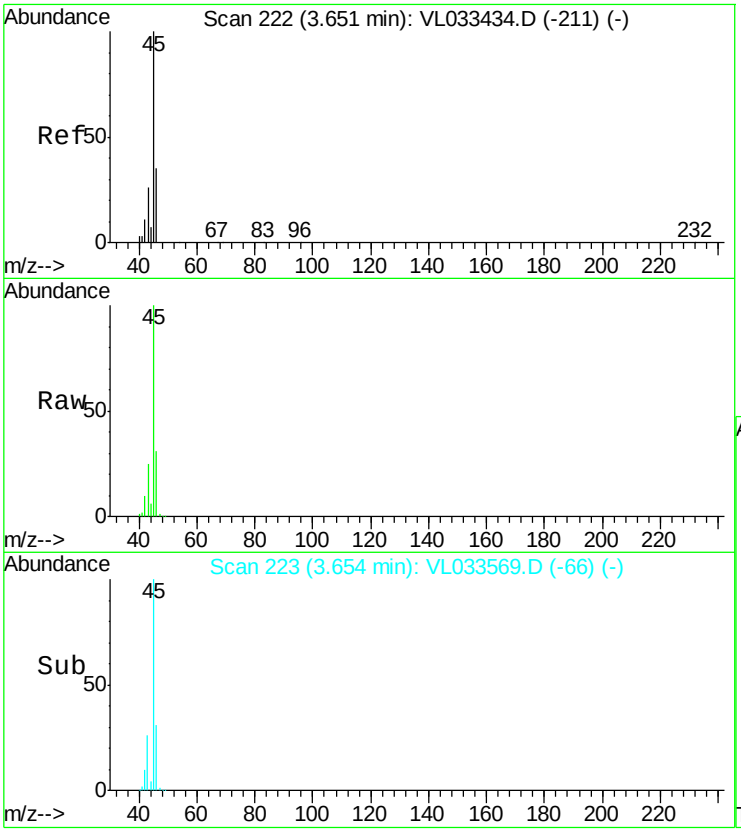


#11
Trichlorofluoromethane
Concen: 0.204 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion:101 Resp: 31048

Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.3	76.9

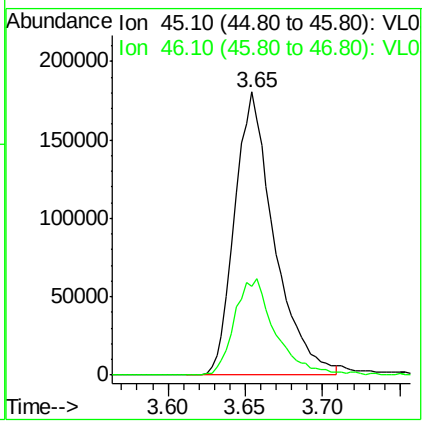




#13
Ethanol
Concen: 30.278 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 45 Resp: 321206

Ion	Ratio	Lower	Upper
45	100		
46	36.0	25.4	101.8



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

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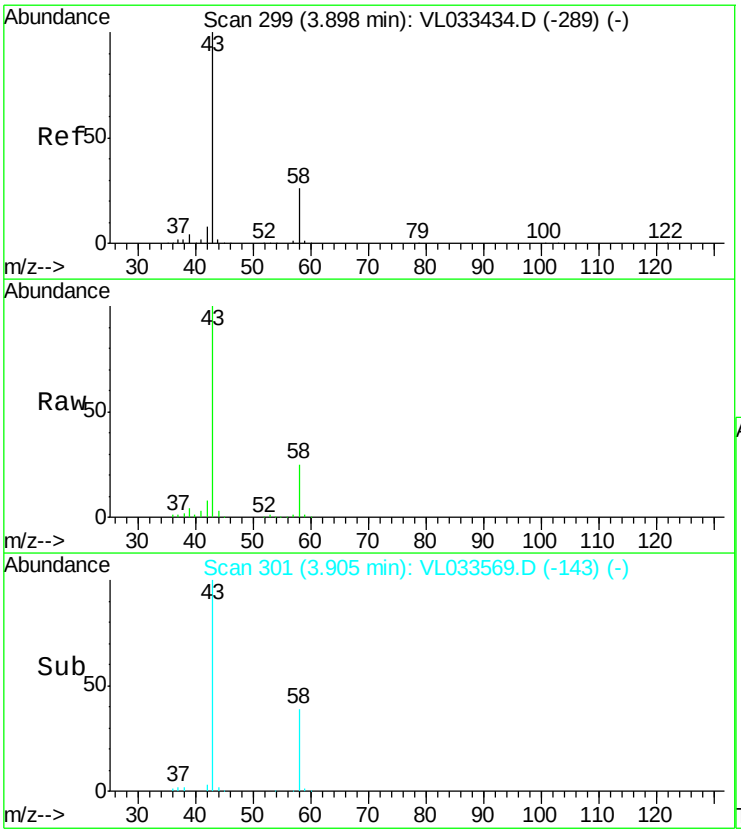
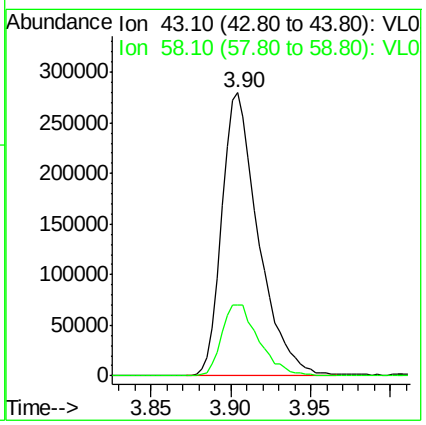
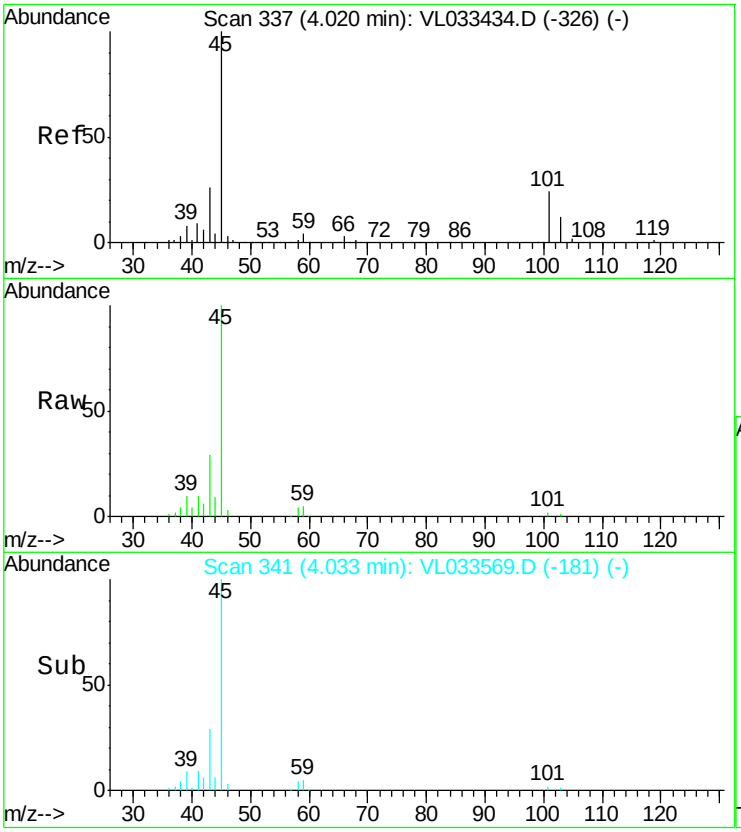


#15
Acetone
Concen: 4.295 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 43 Resp: 437947

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.5	30.7

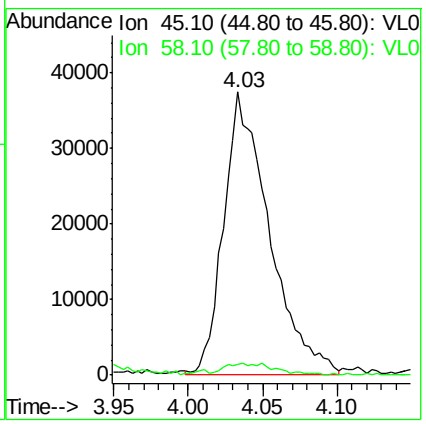




#19
Isopropyl Alcohol
Concen: 1.241 ppbv m
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 45 Resp: 80008

Ion	Ratio	Lower	Upper
45	100		
58	5.8	1.4	2.2#



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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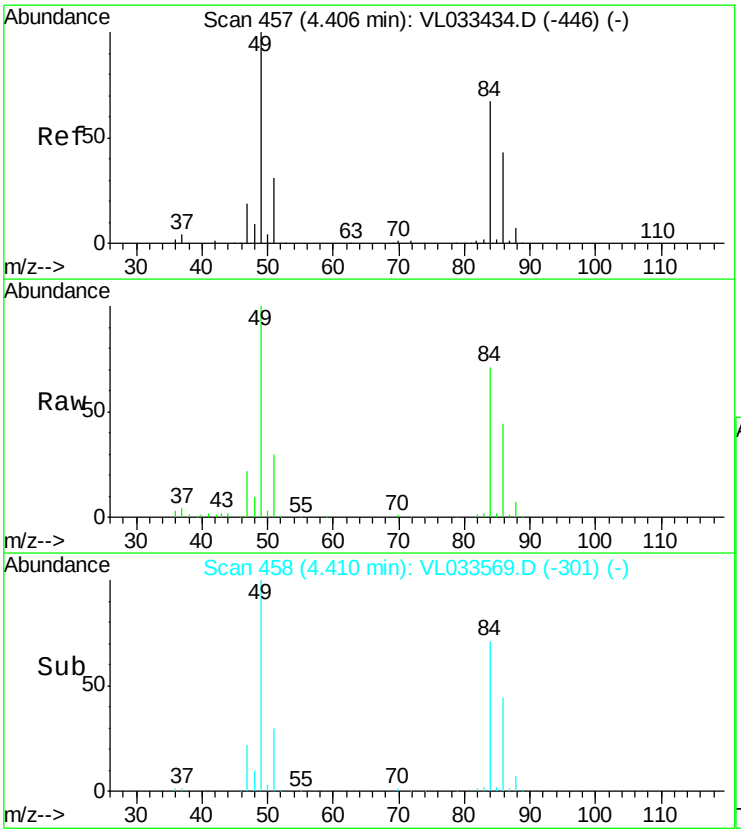
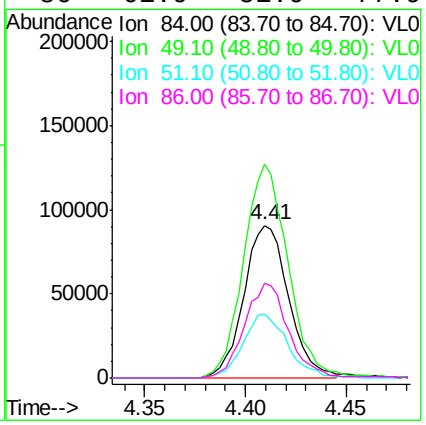
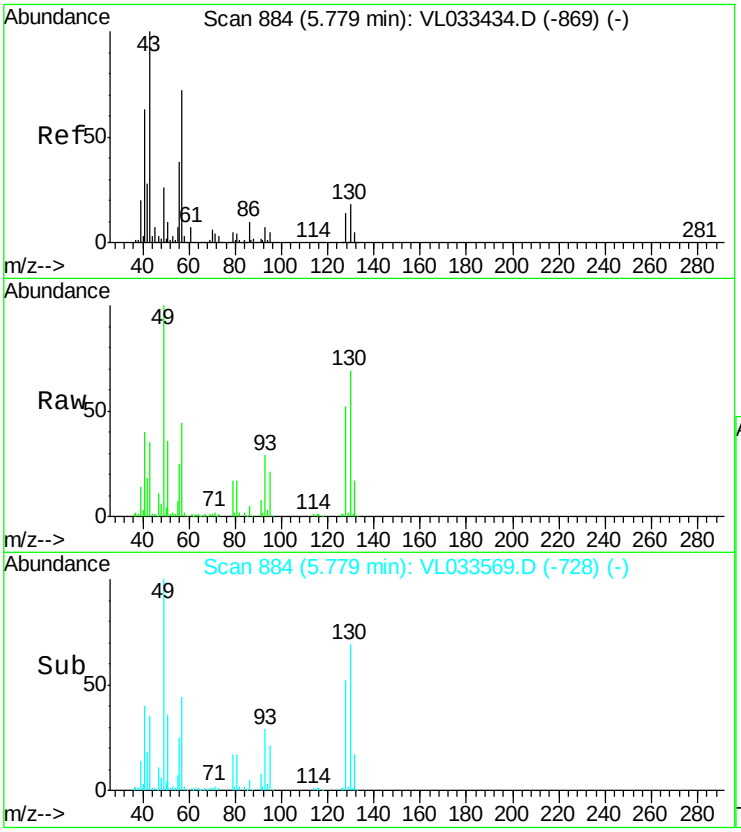


#20
Methylene Chloride
Concen: 3.248 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 84 Resp: 140590

Ion	Ratio	Lower	Upper
84	100		
49	140.2	120.0	180.0
51	42.2	36.7	55.1
86	61.9	51.9	77.9

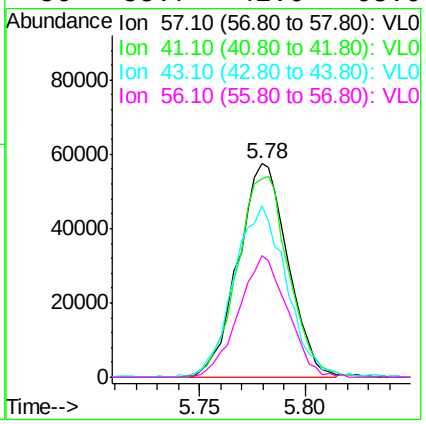




#26
Hexane
Concen: 1.121 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 57 Resp: 94263

Ion	Ratio	Lower	Upper
57	100		
41	97.7	70.7	106.1
43	85.7	182.6	274.0#
56	55.7	42.0	63.0



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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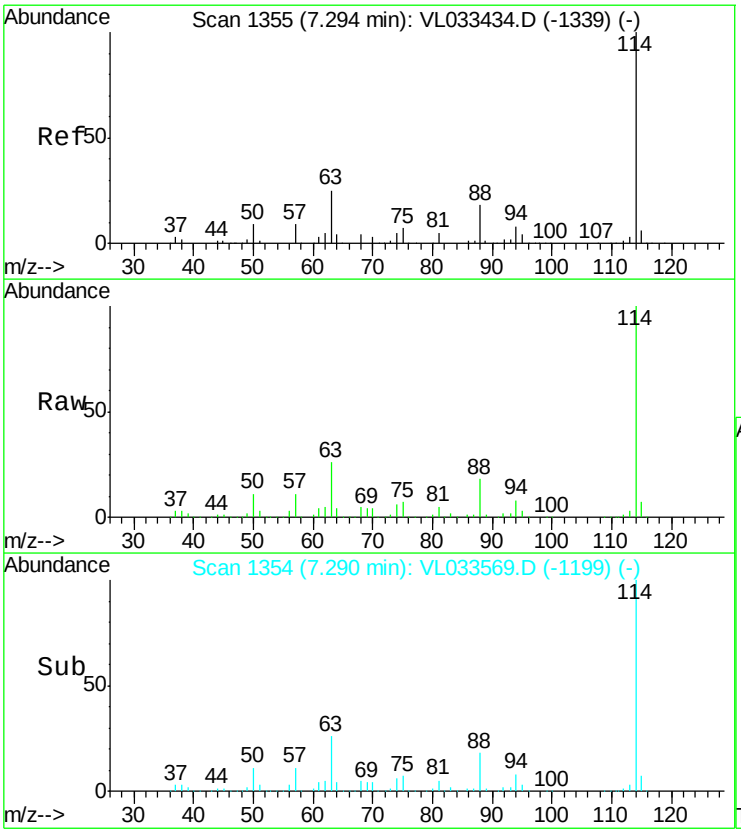
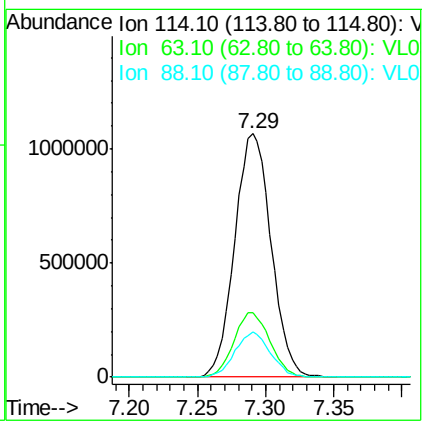
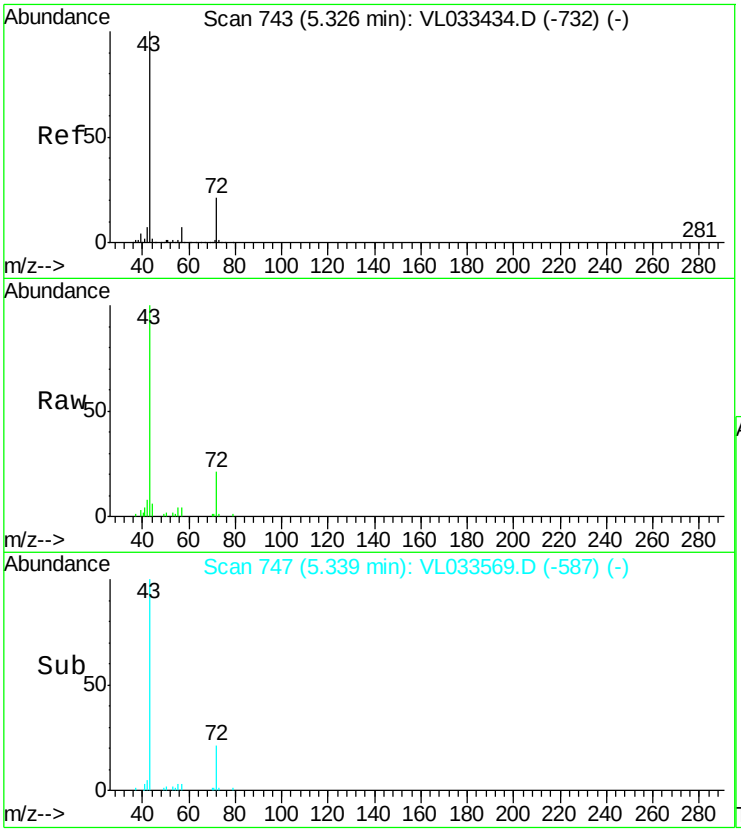


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion:114 Resp: 1980468

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.5	32.3
88	18.1	14.5	21.7

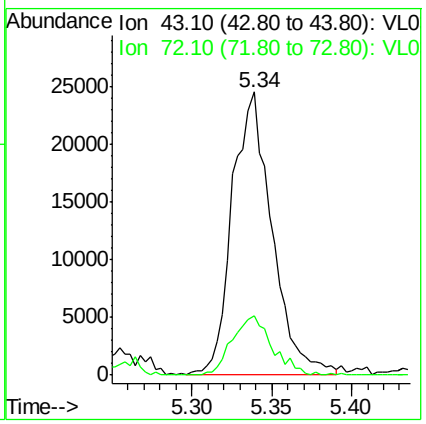




#34
2-Butanone
Concen: 0.349 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 43 Resp: 41584

Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.4	26.2



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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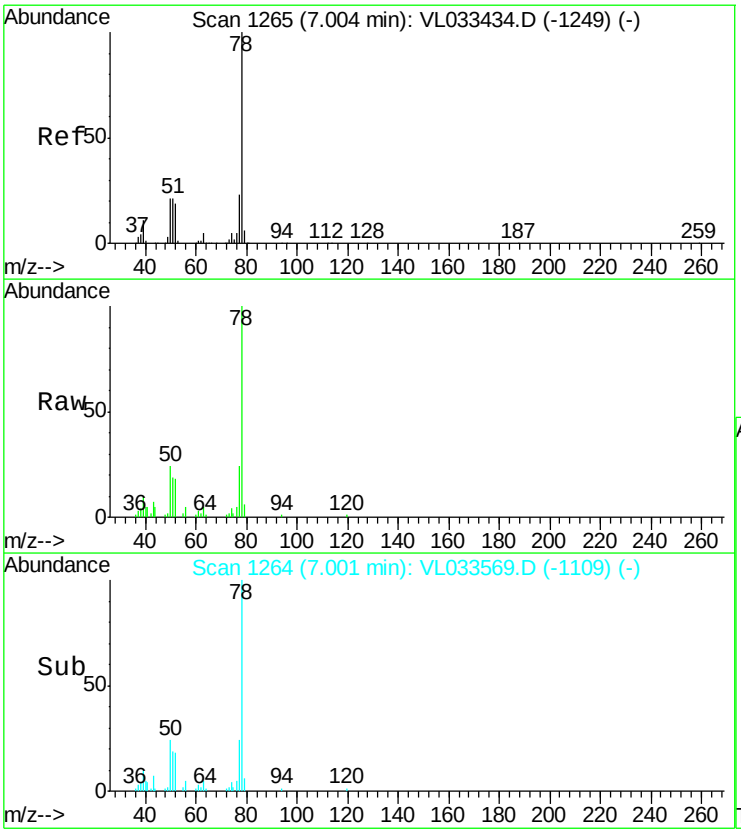
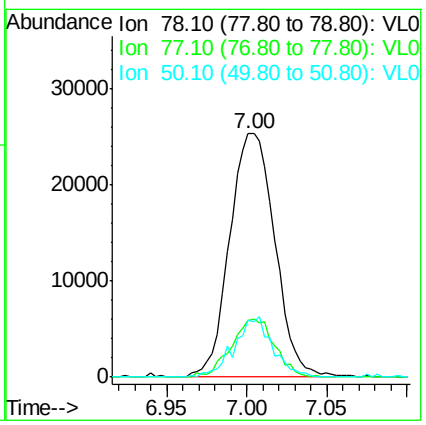
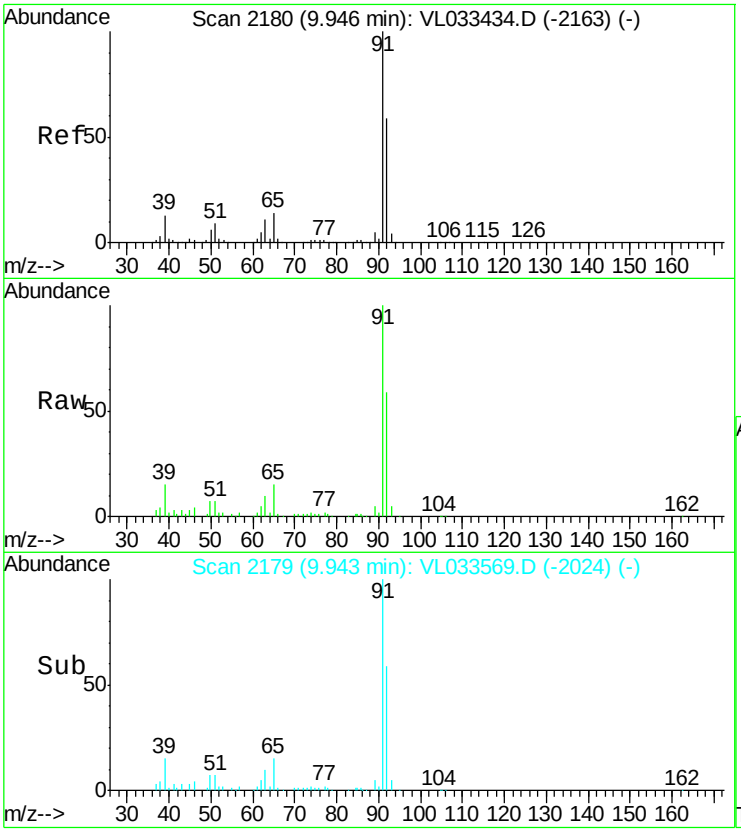


#36
Benzene
Concen: 0.293 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 78 Resp: 48705

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.1	27.1
50	23.5	16.7	25.1

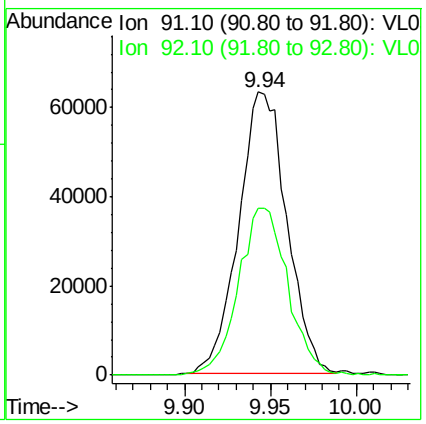




#53
Toluene
Concen: 0.634 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 91 Resp: 122415

Ion	Ratio	Lower	Upper
91	100		
92	61.4	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations APPROVED
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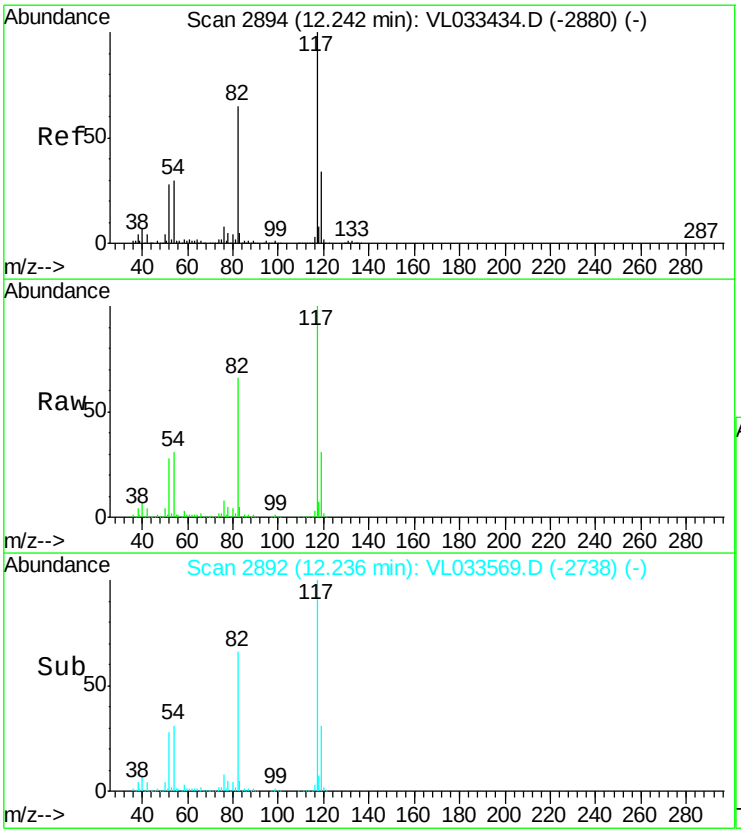
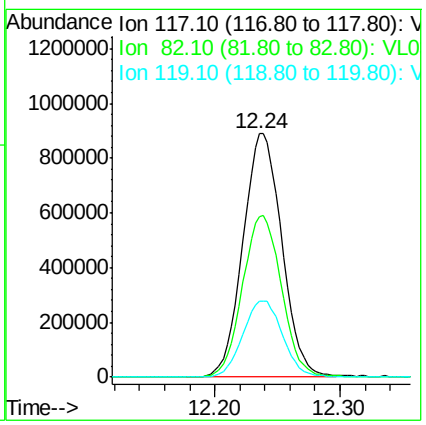
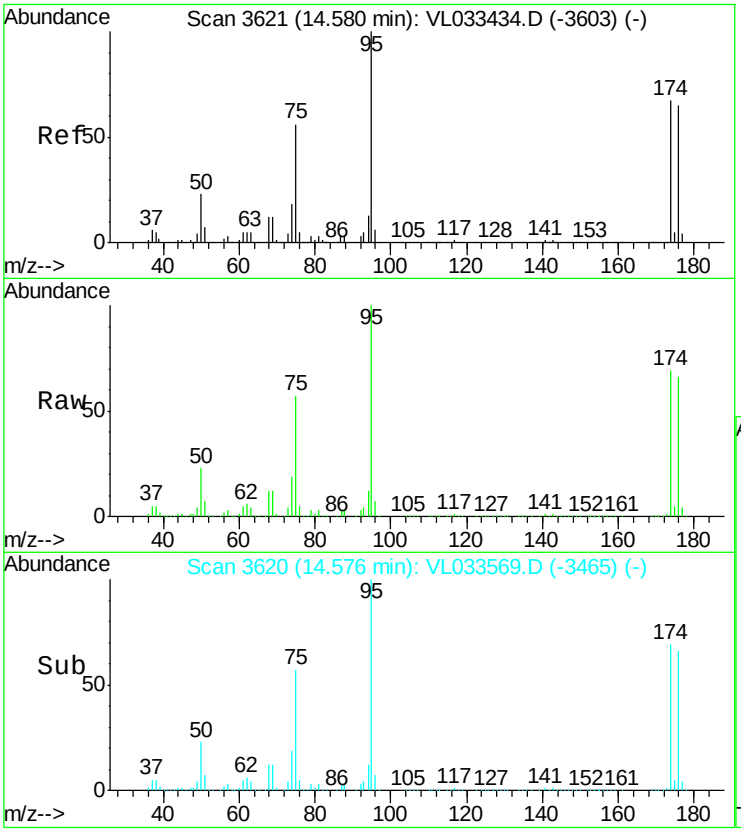


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion:117 Resp: 1918756

Ion	Ratio	Lower	Upper
117	100		
82	67.1	51.5	77.3
119	32.1	25.5	38.3

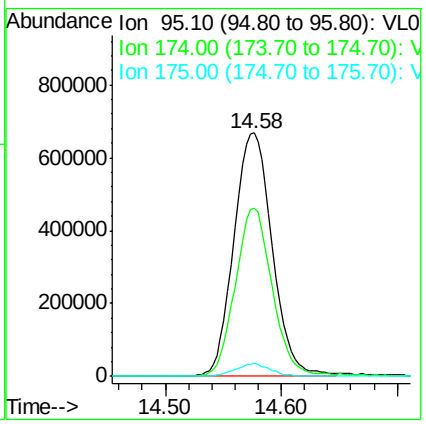




#68
1-Bromo-4-Fluorobenzene
Concen: 10.198 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033569.D
Acq: 10 Apr 2019 18:19

Tgt Ion: 95 Resp: 1534095

Ion	Ratio	Lower	Upper
95	100		
174	67.5	52.9	79.3
175	4.9	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Manual Integrations APPROVED
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