Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032485.D
Acq On : 10 Sep 2018 19:26
Operator : SY/AP
Sample : J4820-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 239-BERRY

Manual Integrations APPROVED
MMDadoda
9/12/2018 3:59:35 PM

Quant Time: Sep 11 15:41:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 3
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.80	49	1483980	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.33	114	3466575	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.28	117	3122797	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.62	95	2363918	10.20	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.10	85	74851	0.39	ppbv		99
3) Chlorodifluoromethane	3.04	51	59636m	0.44	ppbv		
4) Chloromethane	3.20	50	40394	0.50	ppbv		92
9) Propene	3.07	41	34574	0.64	ppbv	#	80
11) Trichlorofluoromethane	4.04	101	40059m	0.23	ppbv		
13) Ethanol	3.69	45	152115	9.01	ppbv		92
15) Acetone	3.93	43	1412364	10.57	ppbv		99
19) Isopropyl Alcohol	4.07	45	67334m	0.77	ppbv		
20) Methylene Chloride	4.44	84	868035	17.04	ppbv		96
26) Hexane	5.82	57	910945	6.45	ppbv	#	45
27) Carbon Disulfide	4.66	76	34955	0.27	ppbv	#	68
29) Chloroform	5.89	83	485854	2.26	ppbv		98
34) 2-Butanone	5.37	43	112513	0.49	ppbv		99
35) Carbon Tetrachloride	7.17	117	14627	0.06	ppbv		91
36) Benzene	7.04	78	50684m	0.17	ppbv		
53) Toluene	9.99	91	124950	0.41	ppbv		98
59) m/p-Xylene	13.17	91	66283m	0.20	ppbv		
60) o-Xylene	13.89	91	34721m	0.11	ppbv		
73) 1,3,5-Trimethylbenzene	16.20	105	35823	0.10	ppbv		100
74) 1,2,4-Trimethylbenzene	16.97	105	111795	0.29	ppbv	#	71

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032485.D
Acq On : 10 Sep 2018 19:26
Operator : SY/AP
Sample : J4820-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 15:41:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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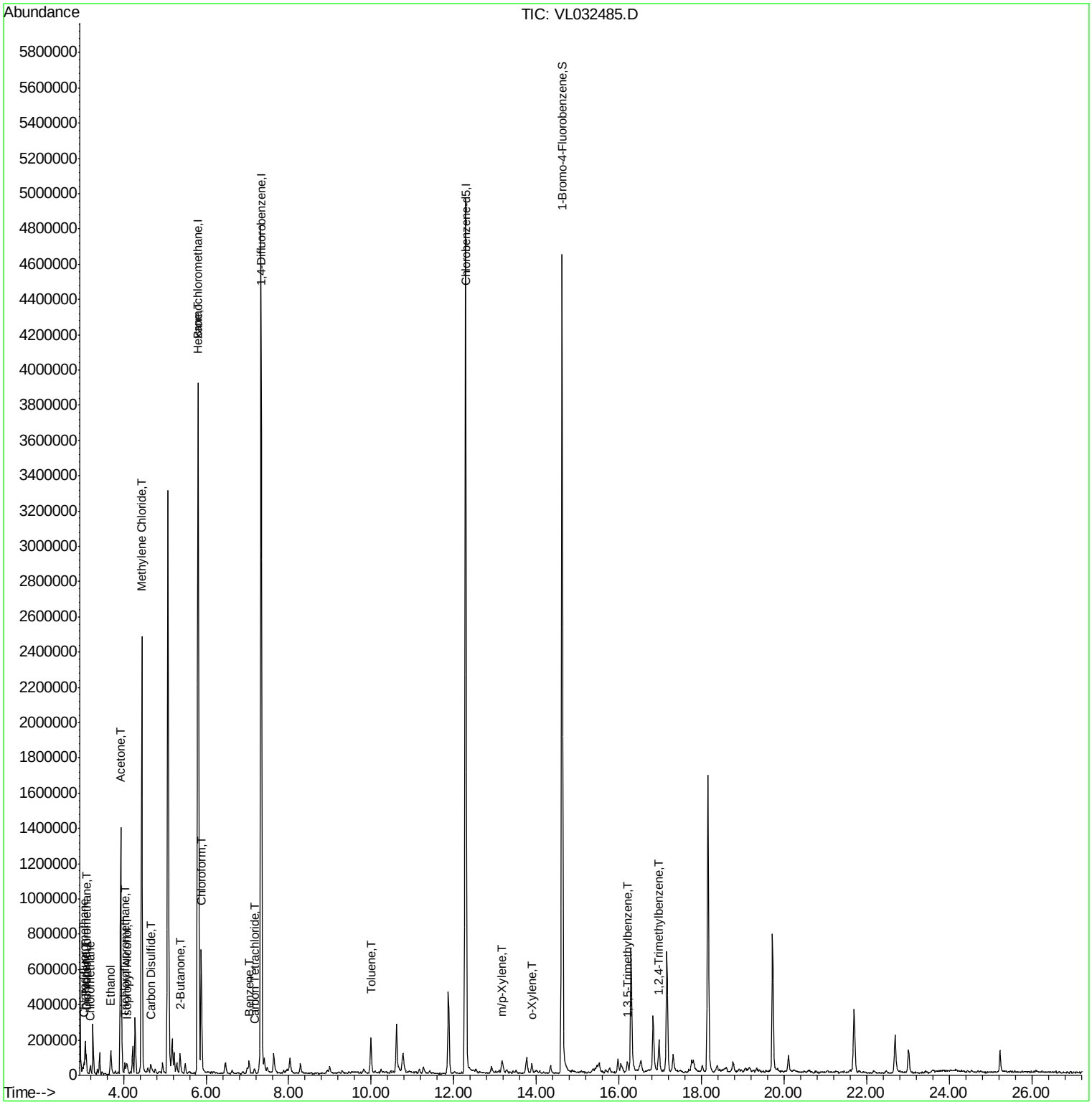
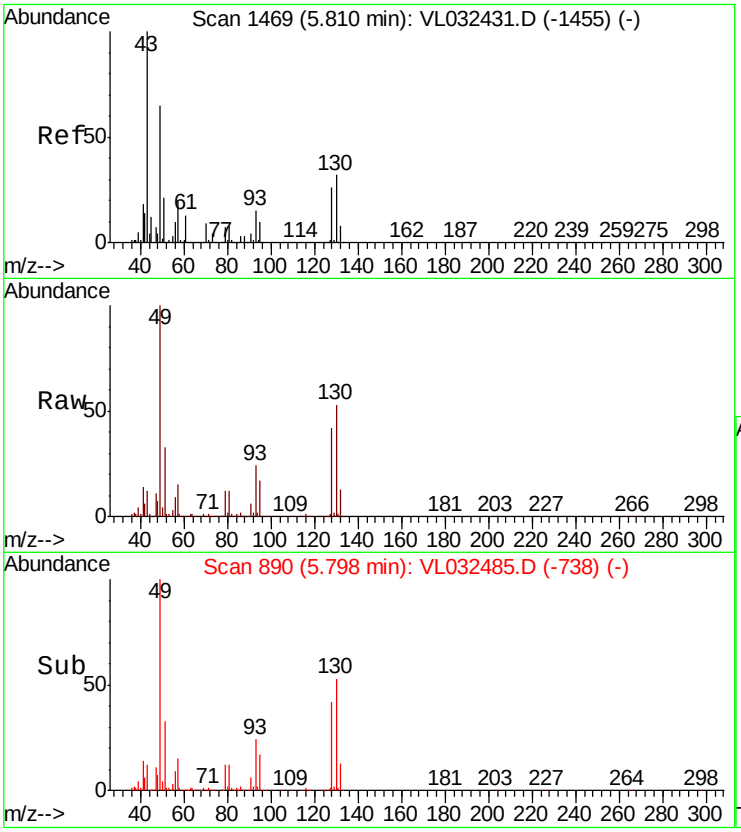
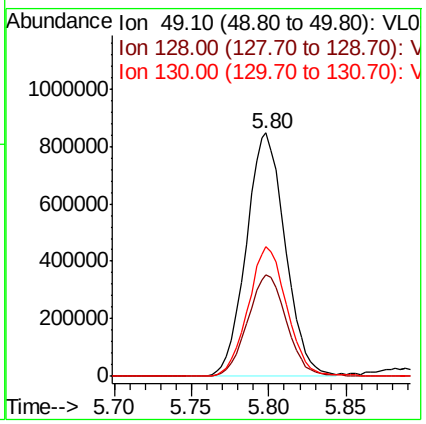




#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 49 Resp: 1483980

Ion	Ratio	Lower	Upper
49	100		
128	41.9	20.7	62.1
130	53.5	26.6	79.7



Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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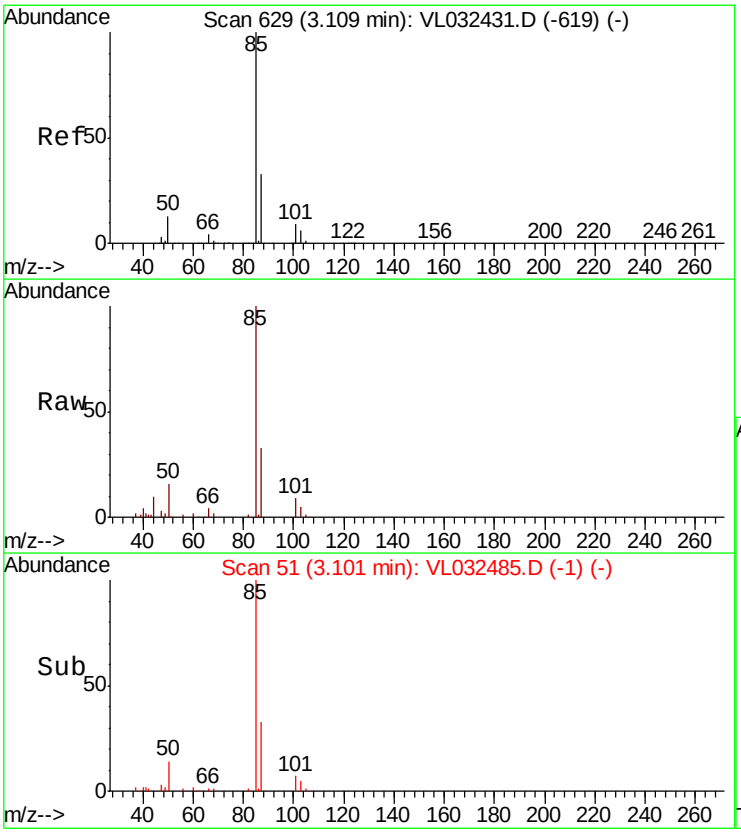
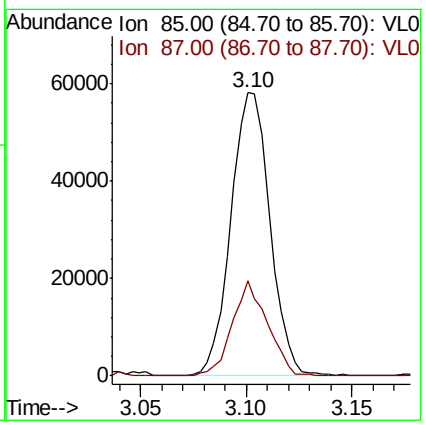
9/12/2018 3:59:35 PM

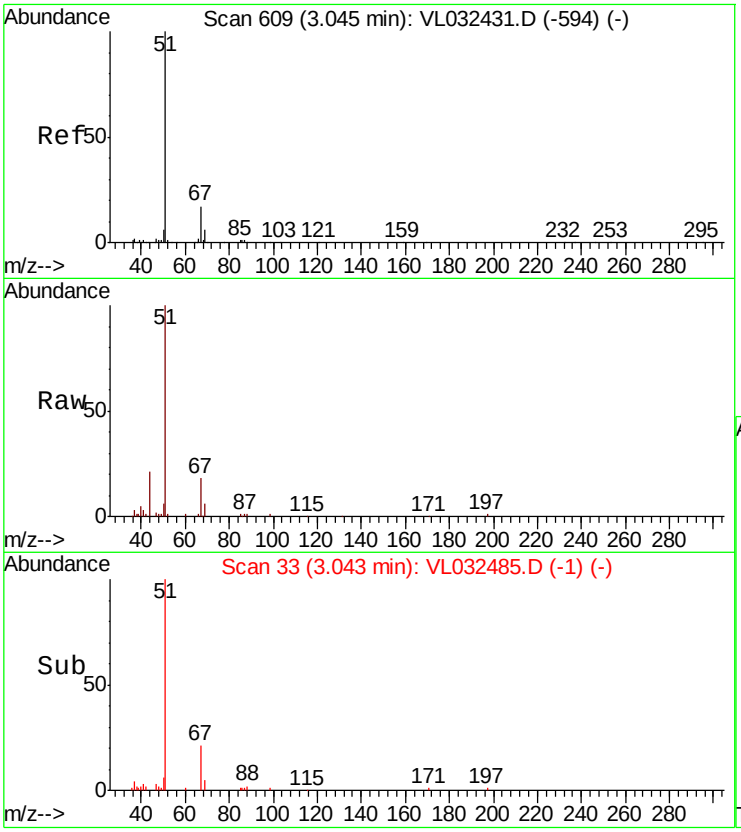


#2
Dichlorodifluoromethane
Concen: 0.39 ppbv
RT: 3.10 min Scan# 51
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 85 Resp: 74851

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.2	39.4





#3
Chlorodifluoromethane
Concen: 0.44 ppbv m
RT: 3.04 min Scan# 33
Delta R.T. -0.00 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 51 Resp: 59636

Ion	Ratio	Lower	Upper
51	100		
67	17.5	13.8	20.8

Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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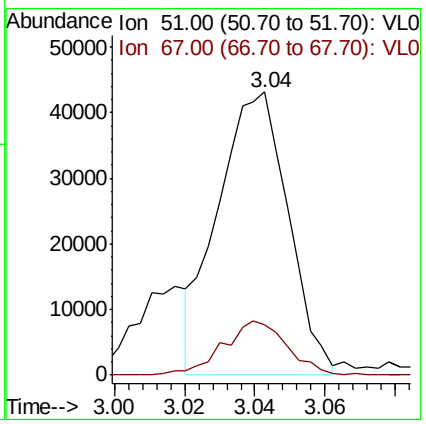
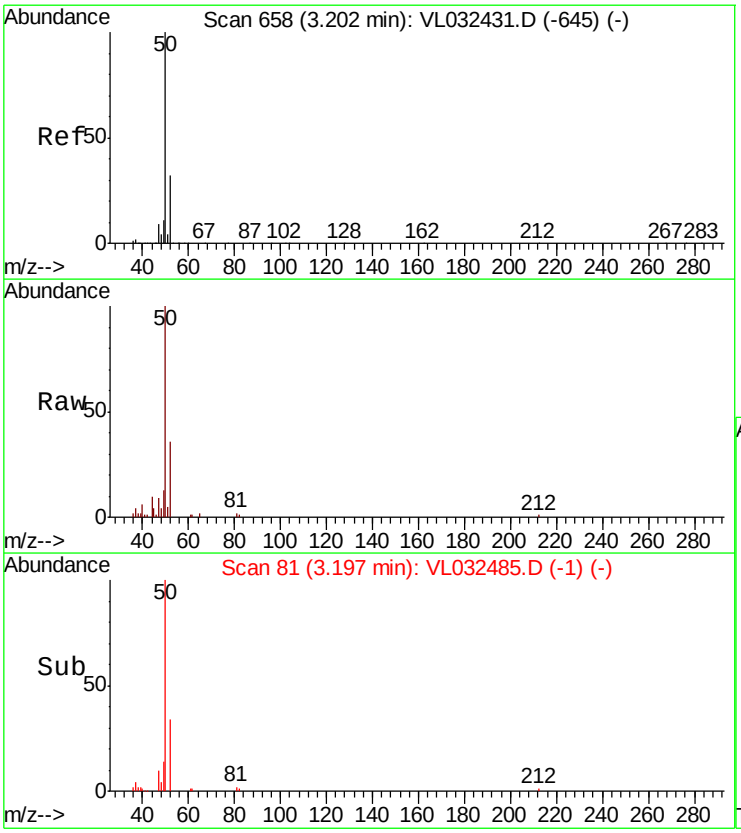
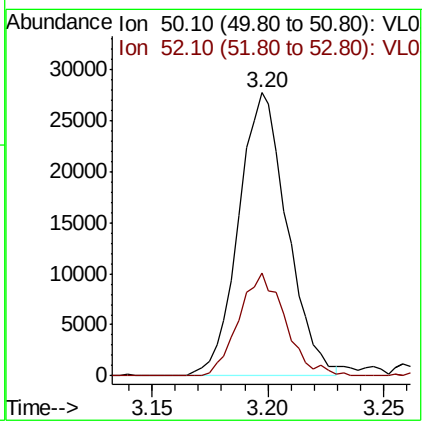


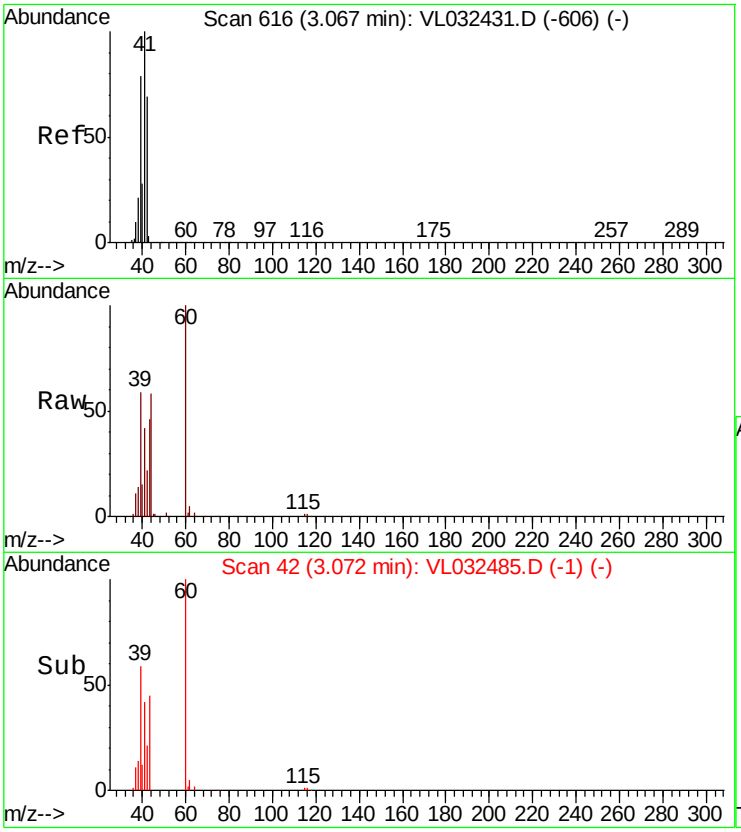


#4
Chloromethane
Concen: 0.50 ppbv
RT: 3.20 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 50 Resp: 40394

Ion	Ratio	Lower	Upper
50	100		
52	36.5	25.6	38.4





#9
Propene
Concen: 0.64 ppbv
RT: 3.07 min Scan# 42
Delta R.T. 0.00 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 41 Resp: 34574

Ion	Ratio	Lower	Upper
41	100		
42	54.3	56.6	84.8#

Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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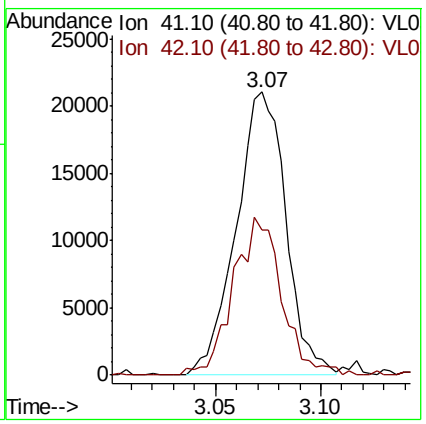
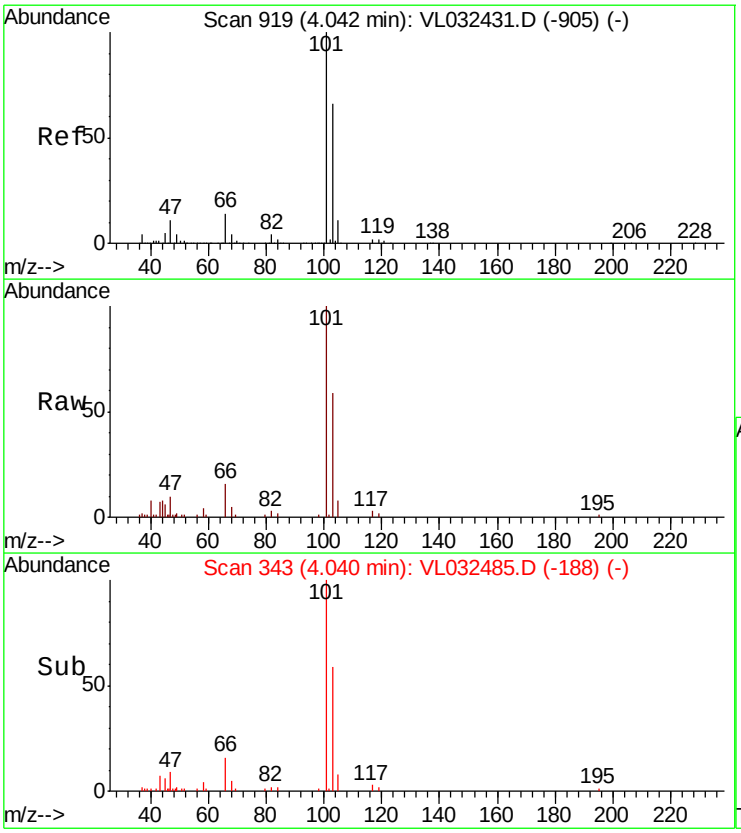
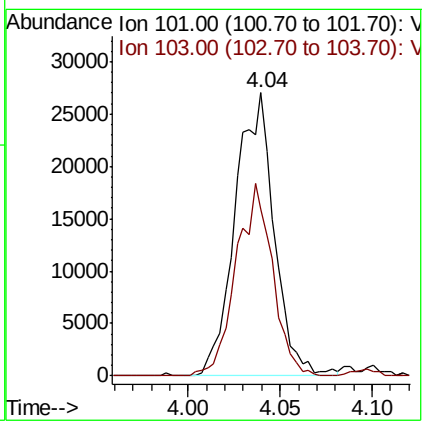


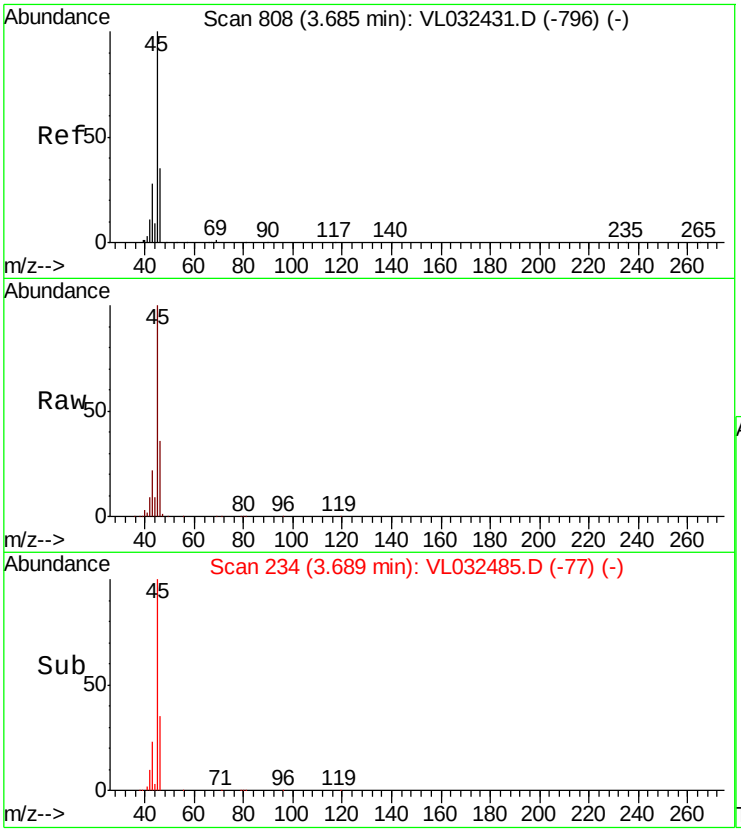


#11
Trichlorofluoromethane
Concen: 0.23 ppbv m
RT: 4.04 min Scan# 343
Delta R.T. -0.00 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion:101 Resp: 40059

Ion	Ratio	Lower	Upper
101	100		
103	58.8	52.8	79.2

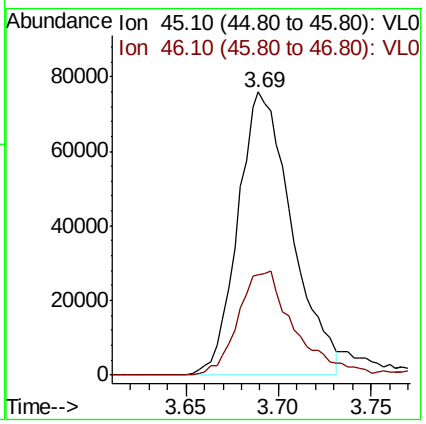




#13
Ethanol
Concen: 9.01 ppbv
RT: 3.69 min Scan# 234
Delta R.T. 0.00 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 45 Resp: 152115

Ion	Ratio	Lower	Upper
45	100		
46	39.9	14.2	56.8



Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

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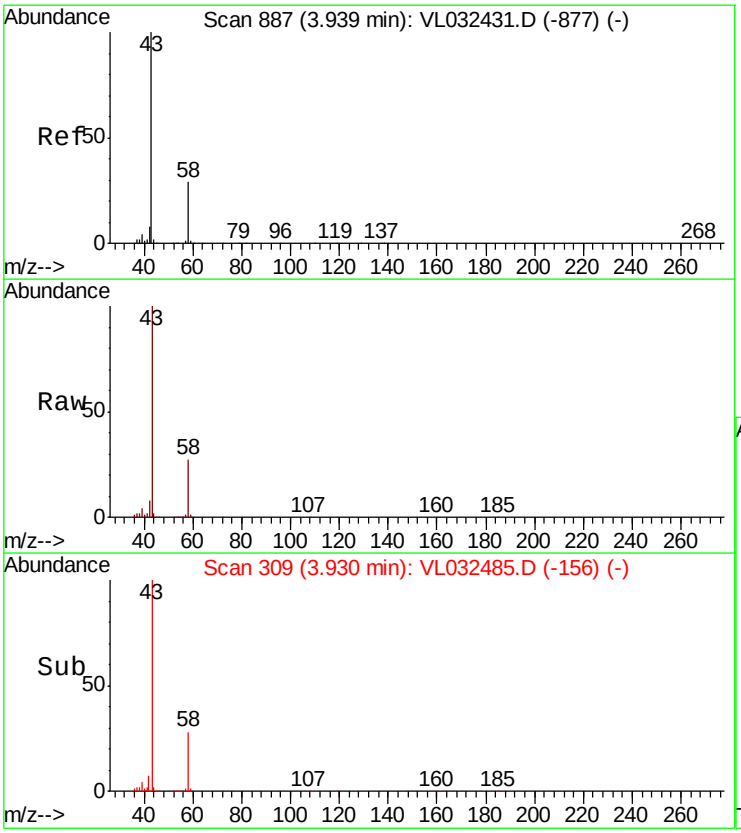
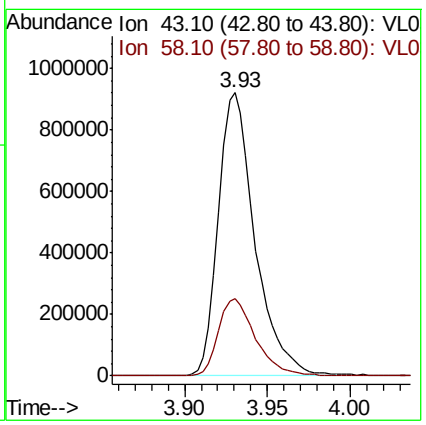
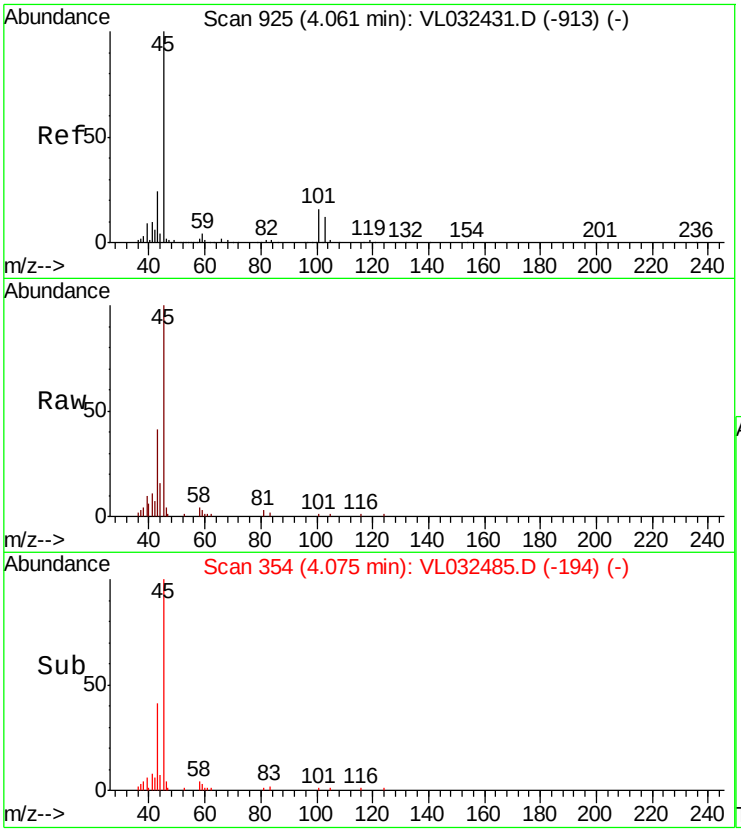


#15
Acetone
Concen: 10.57 ppbv
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 43 Resp: 1412364

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.6	33.8





#19
Isopropyl Alcohol
Concen: 0.77 ppbv m
RT: 4.07 min Scan# 354
Delta R.T. 0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 45 Resp: 67334

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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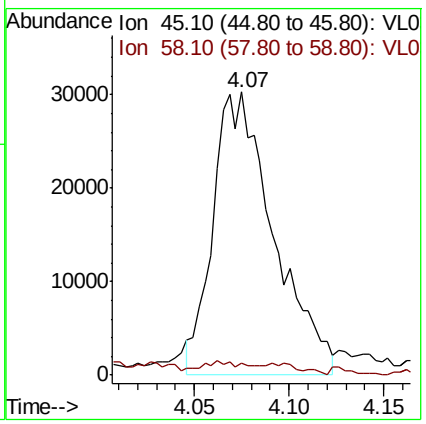
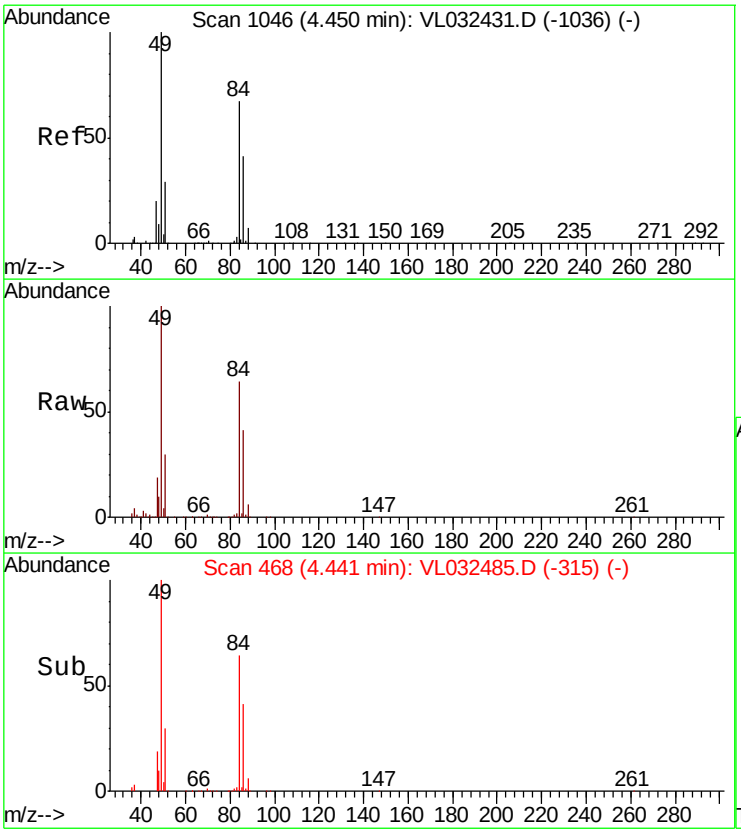
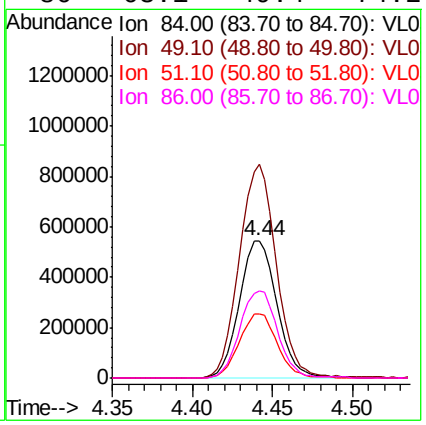


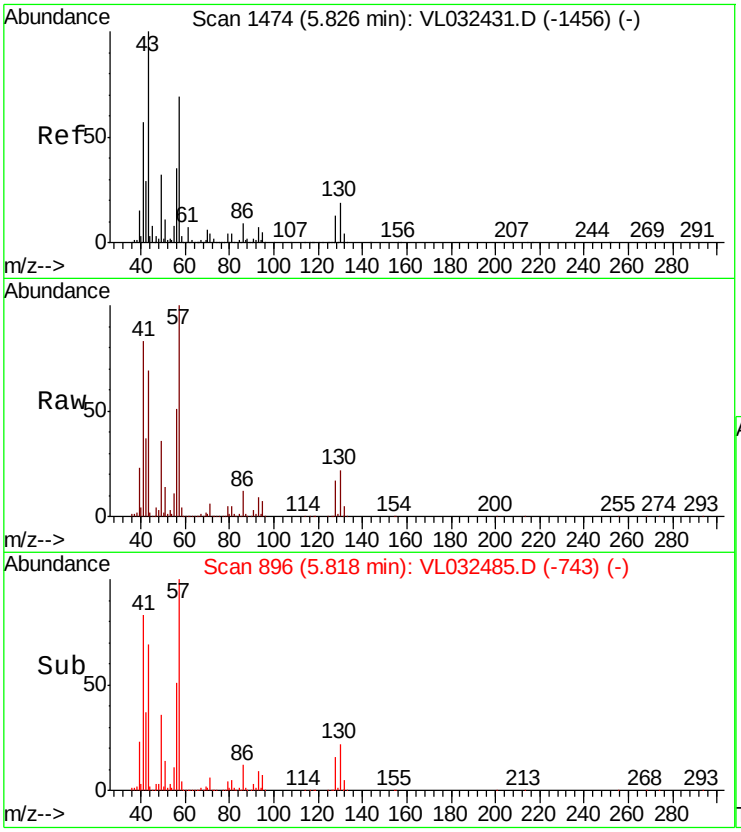


#20
Methylene Chloride
Concen: 17.04 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 84 Resp: 868035

Ion	Ratio	Lower	Upper
84	100		
49	155.6	119.1	178.7
51	46.7	35.2	52.8
86	63.1	49.4	74.2

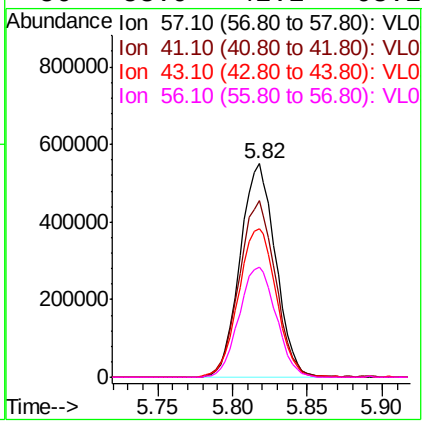




#26
Hexane
Concen: 6.45 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 57 Resp: 910945

Ion	Ratio	Lower	Upper
57	100		
41	84.5	69.0	103.4
43	73.4	172.1	258.1#
56	53.9	42.2	63.2



Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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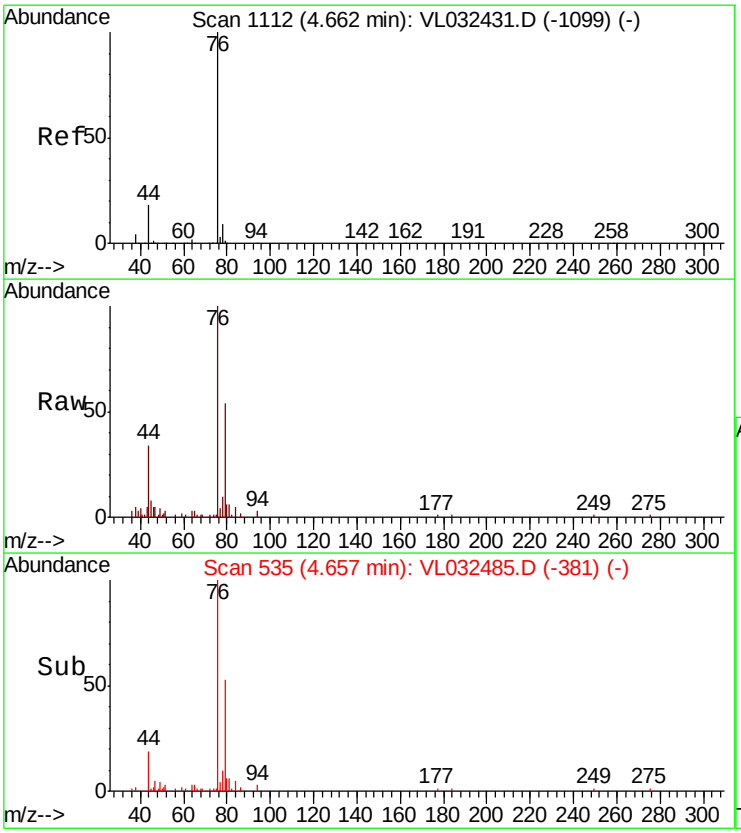
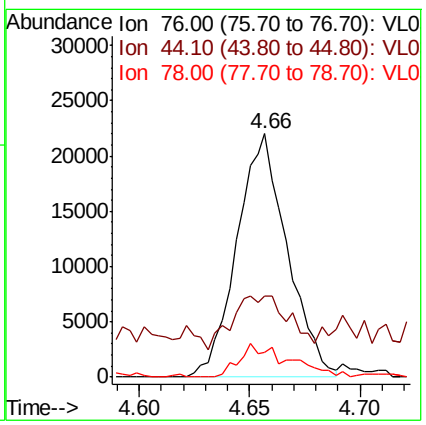
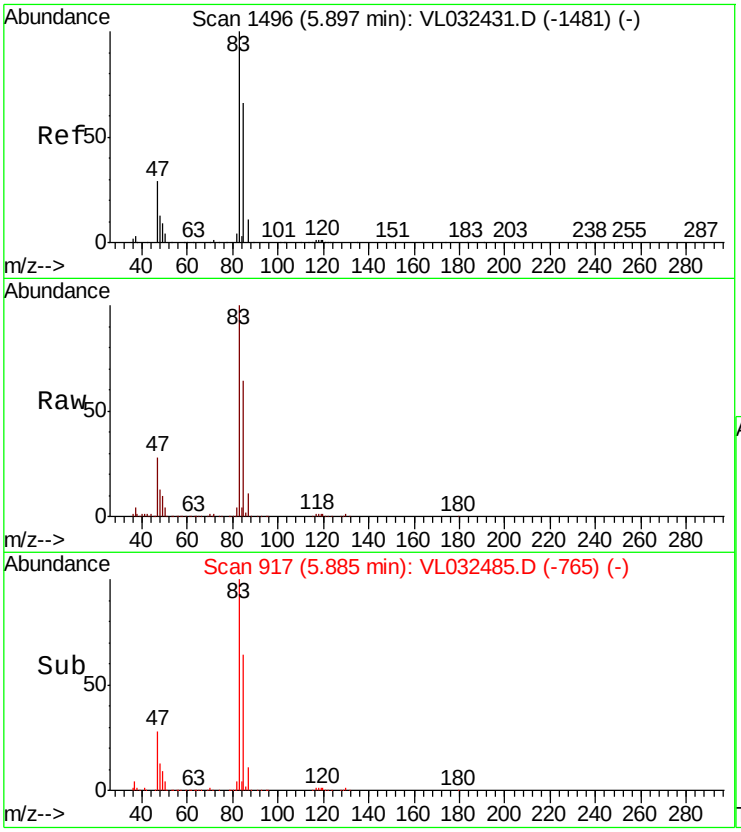


#27
Carbon Disulfide
Concen: 0.27 ppbv
RT: 4.66 min Scan# 535
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 76 Resp: 34955

Ion	Ratio	Lower	Upper
76	100		
44	35.9	14.0	21.0#
78	14.3	7.5	11.3#

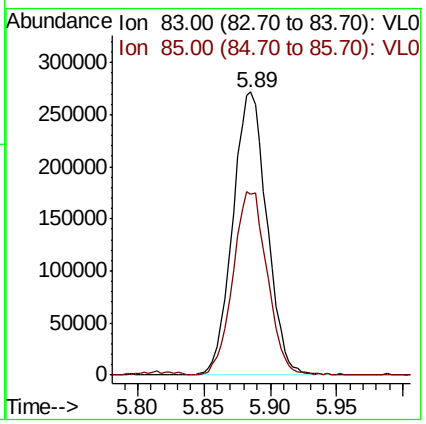




#29
Chloroform
Concen: 2.26 ppbv
RT: 5.89 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 83 Resp: 485854

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.5	78.7



Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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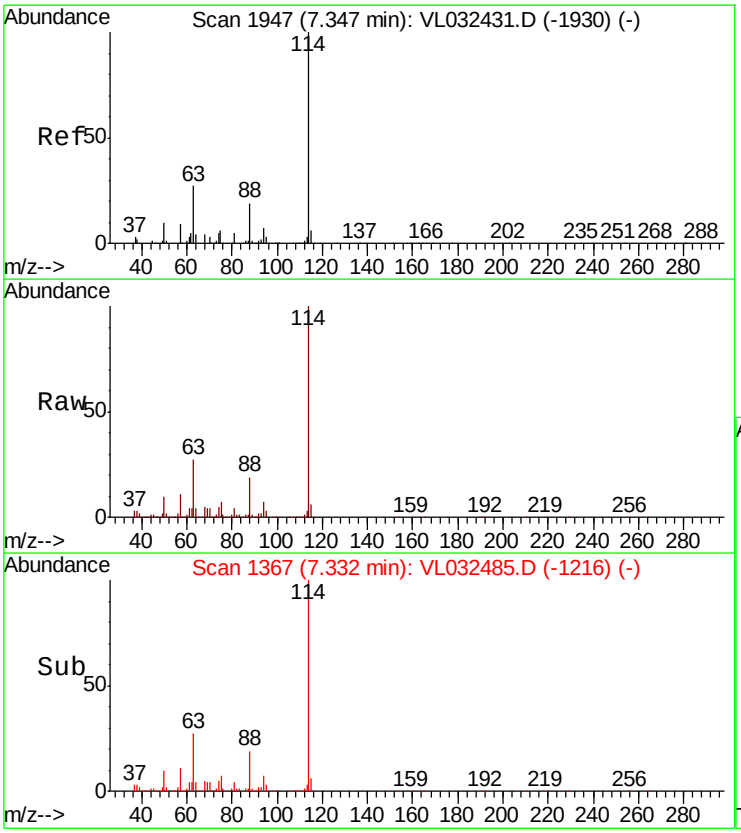
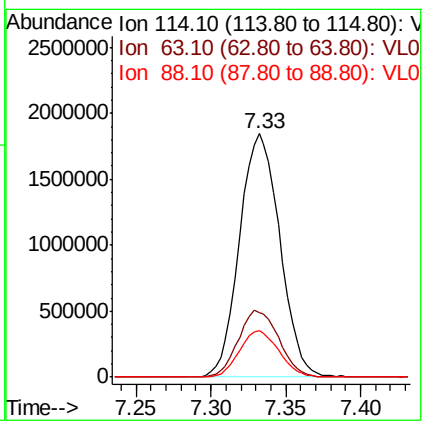
9/12/2018 3:59:35 PM

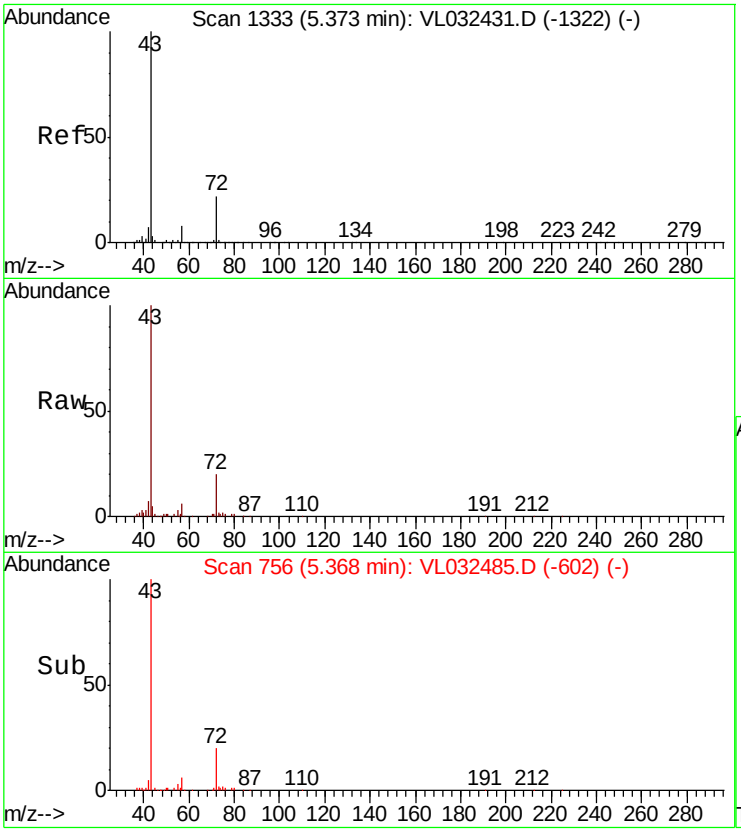


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.33 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion:114 Resp: 3466575

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.4
88	18.8	15.0	22.4

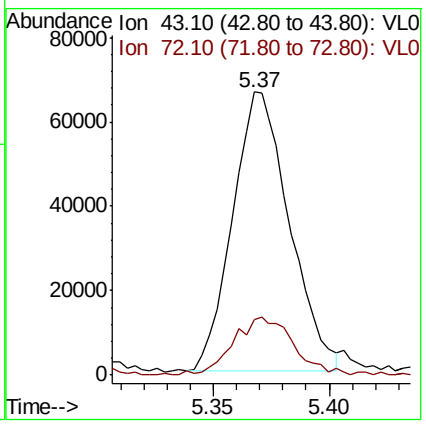




#34
2-Butanone
Concen: 0.49 ppbv
RT: 5.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

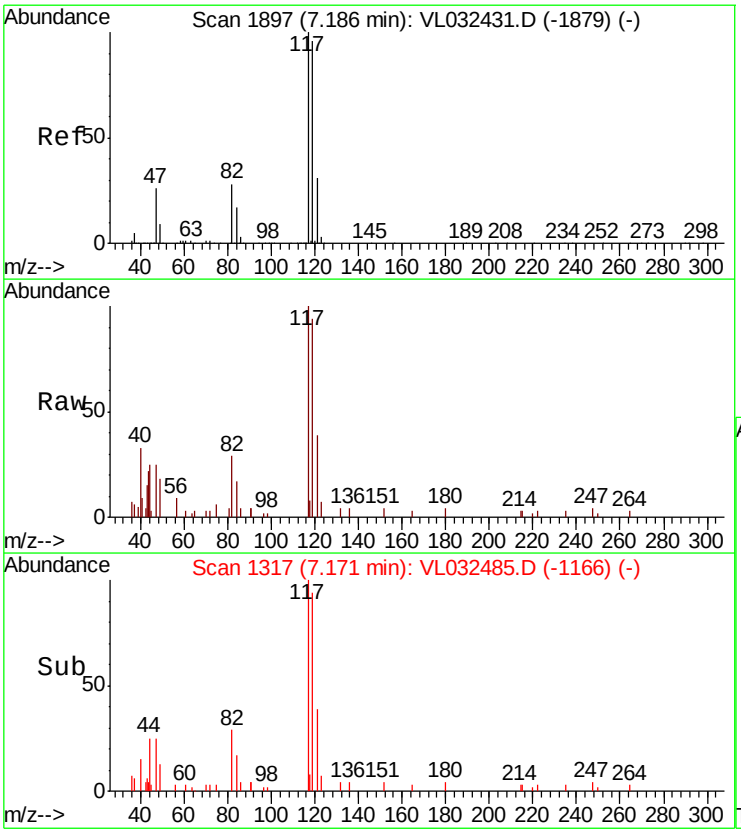
Tgt Ion: 43 Resp: 112513

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.8	26.6



Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

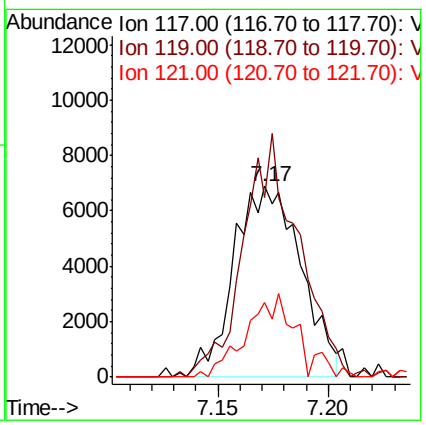
Manual Integrations APPROVED
MMDadoda
9/12/2018 3:59:35 PM

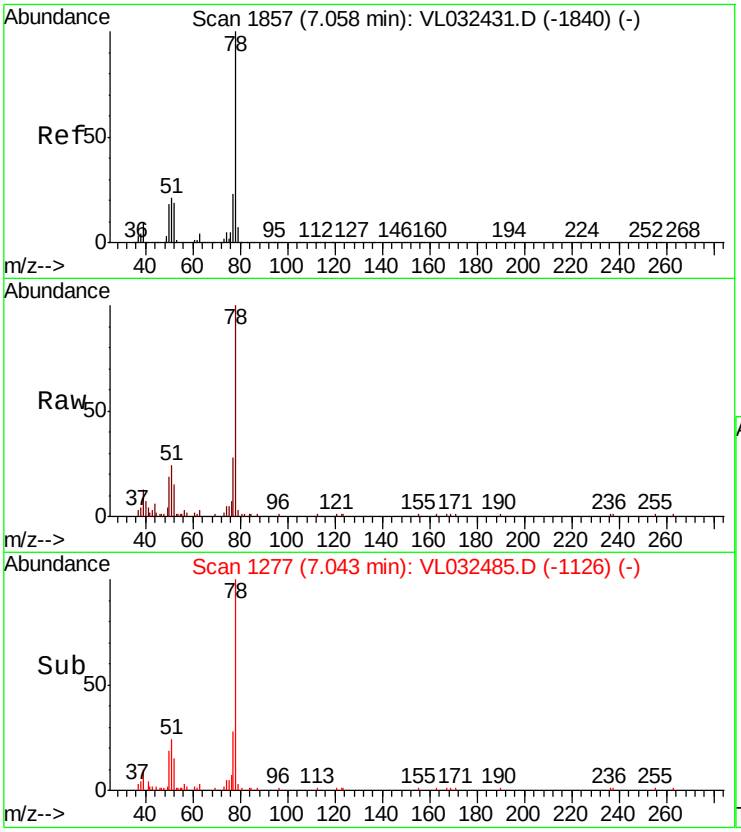


#35
Carbon Tetrachloride
Concen: 0.06 ppbv
RT: 7.17 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion:117 Resp: 14627

Ion	Ratio	Lower	Upper
117	100		
119	87.3	76.6	115.0
121	36.1	24.6	36.8

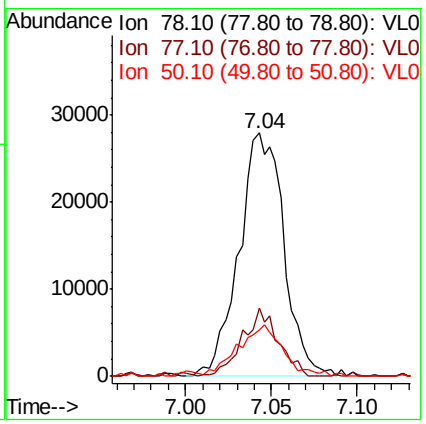




#36
Benzene
Concen: 0.17 ppbv m
RT: 7.04 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 78 Resp: 50684

Ion	Ratio	Lower	Upper
78	100		
77	27.8	18.4	27.6#
50	18.9	14.4	21.6



Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

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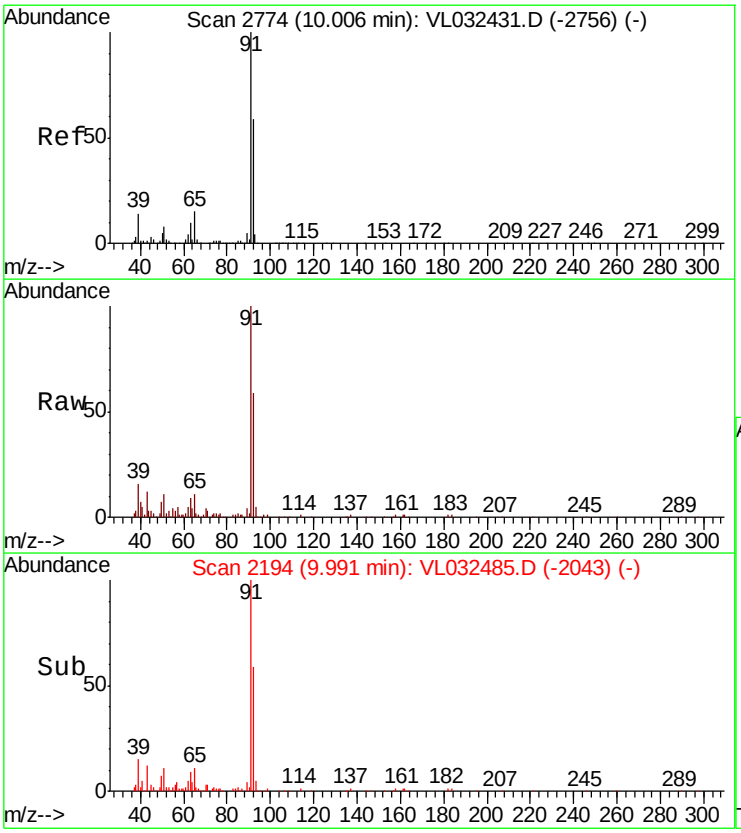
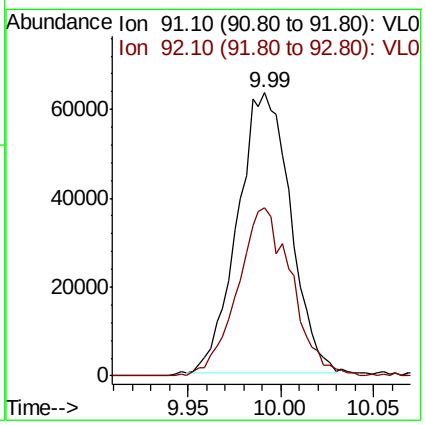
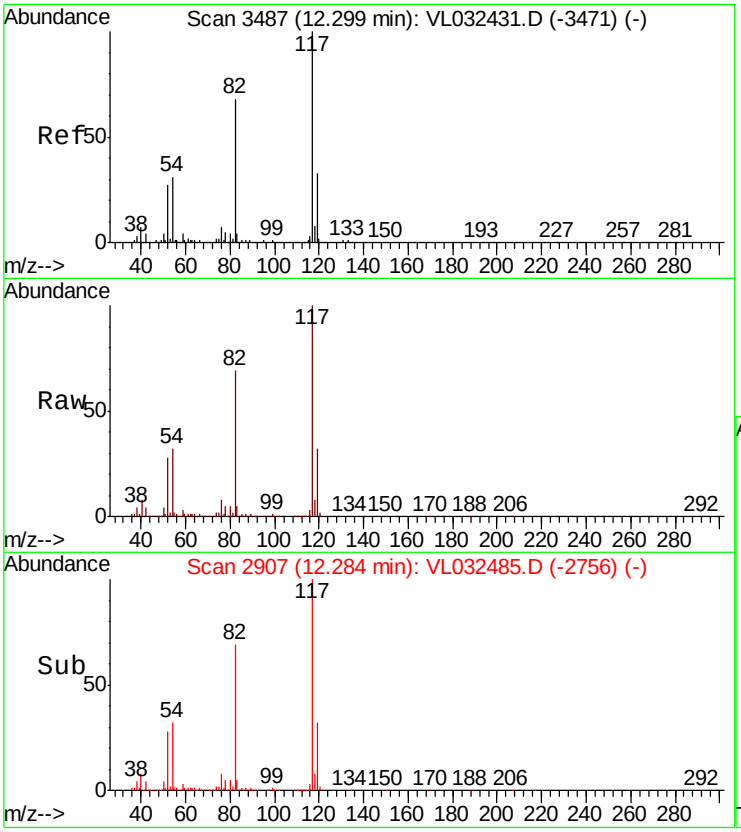


#53
Toluene
Concen: 0.41 ppbv
RT: 9.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 91 Resp: 124950

Ion	Ratio	Lower	Upper
91	100		
92	61.5	48.1	72.1

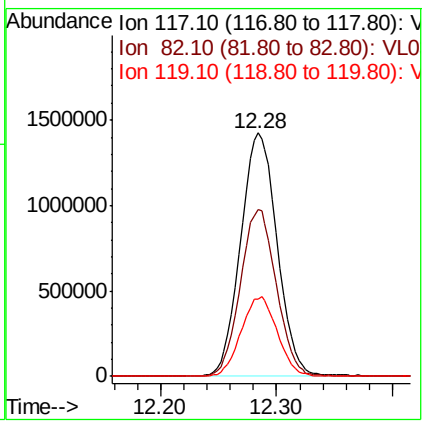




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion:117 Resp: 3122797

Ion	Ratio	Lower	Upper
117	100		
82	67.9	53.0	79.6
119	32.4	45.9	68.9#



Instrument :
MSVOA_L
ClientSampleId :
239-BERRY

Manual Integrations APPROVED
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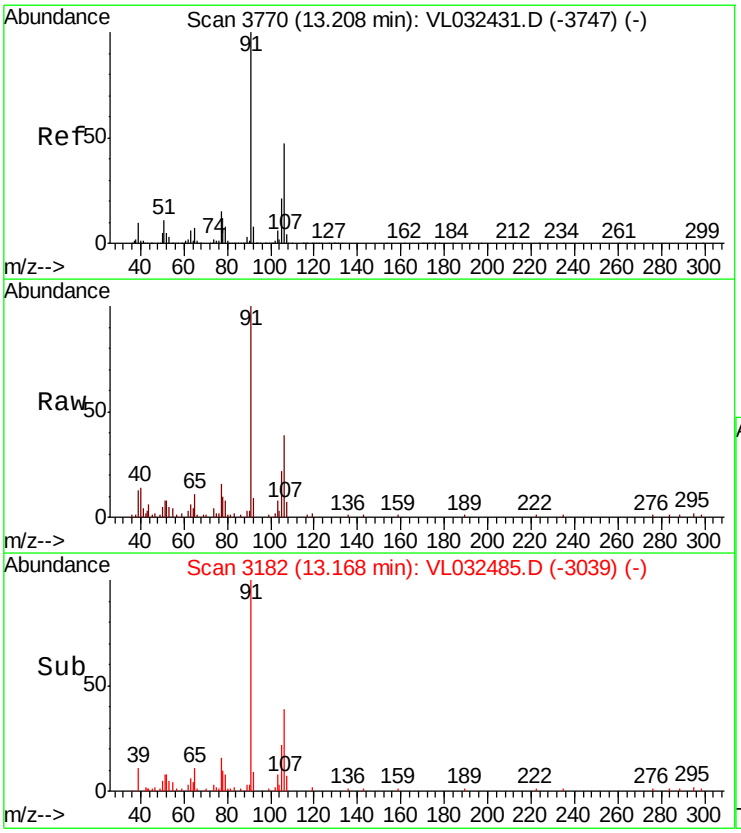
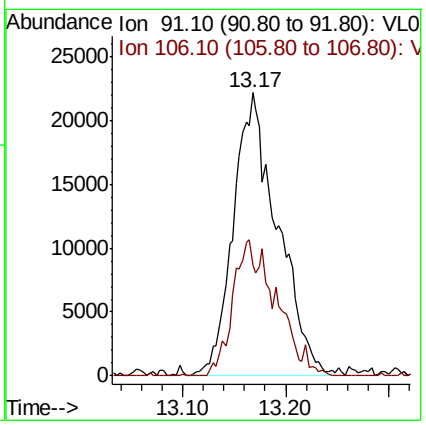
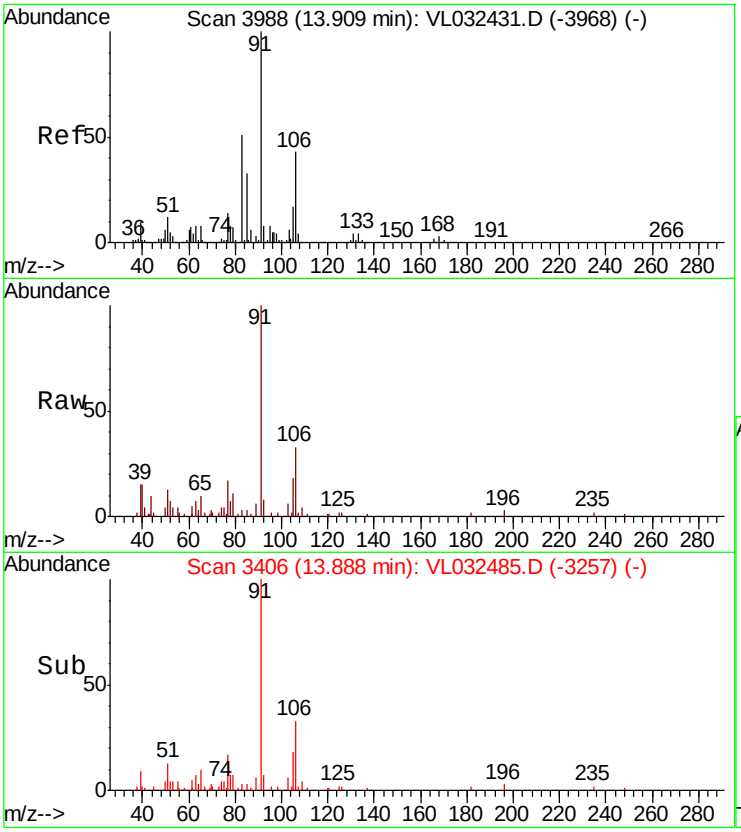


#59
m/p-Xylene
Concen: 0.20 ppbv m
RT: 13.17 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 91 Resp: 66283

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#





#60
o-Xylene
Concen: 0.11 ppbv m
RT: 13.89 min Scan# 3406
Delta R.T. -0.02 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 91 Resp: 34721

Ion	Ratio	Lower	Upper
91	100		
106	47.4	21.9	65.7

Instrument :
MSVOA_L
ClientSampleId :
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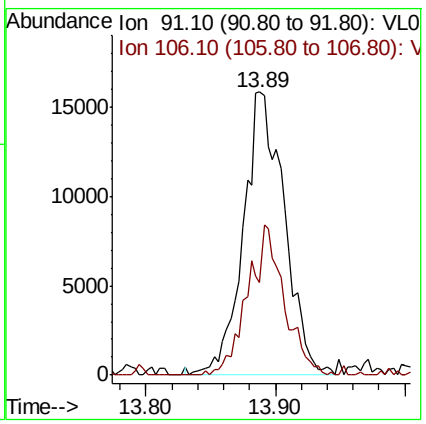
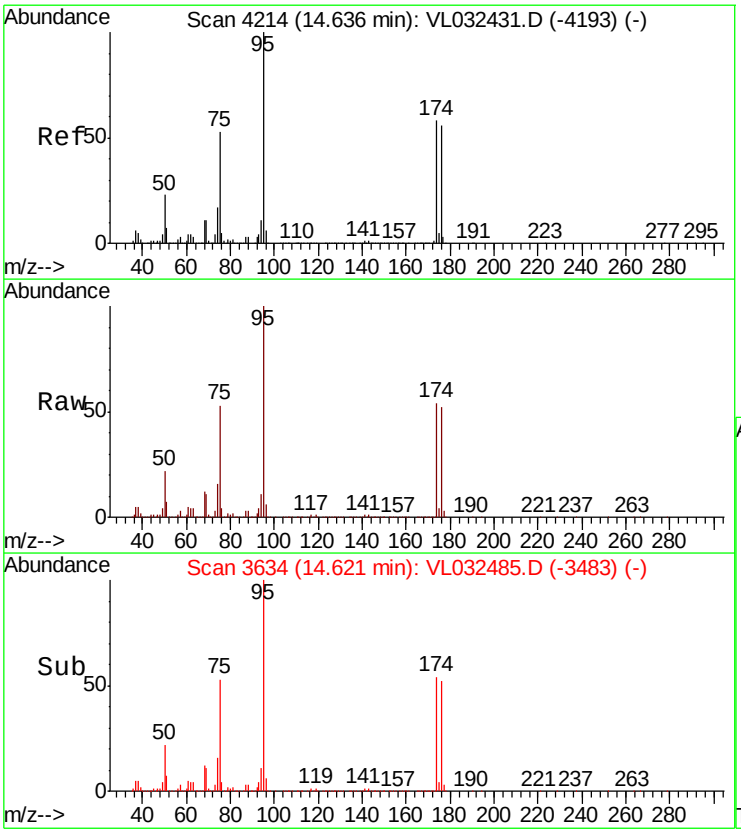
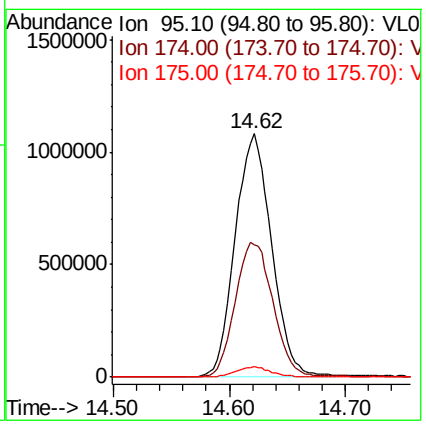


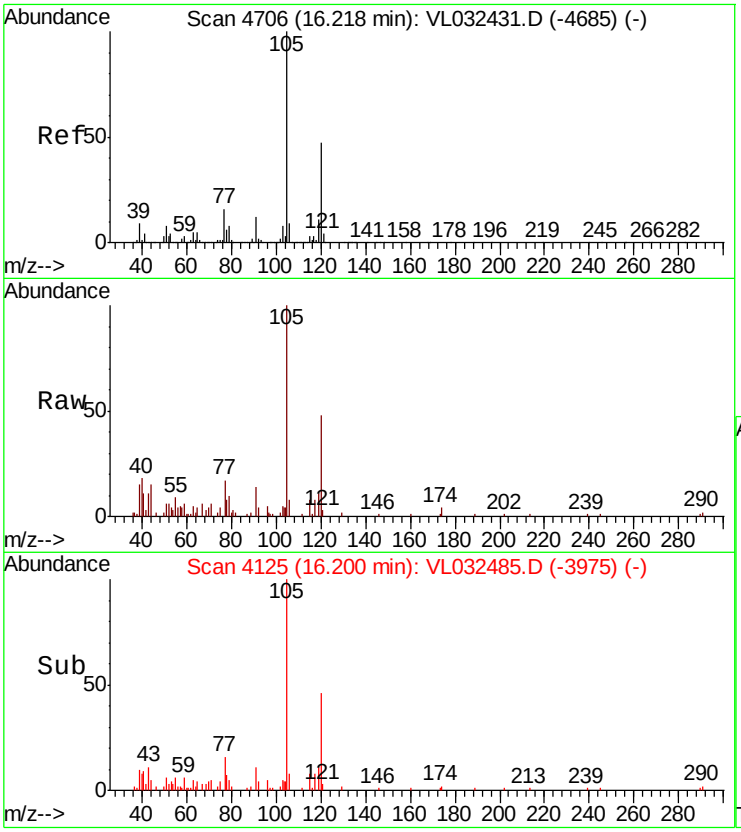


#68
1-Bromo-4-Fluorobenzene
Concen: 10.20 ppbv
RT: 14.62 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion: 95 Resp: 2363918

Ion	Ratio	Lower	Upper
95	100		
174	58.0	46.3	69.5
175	4.2	3.4	5.0

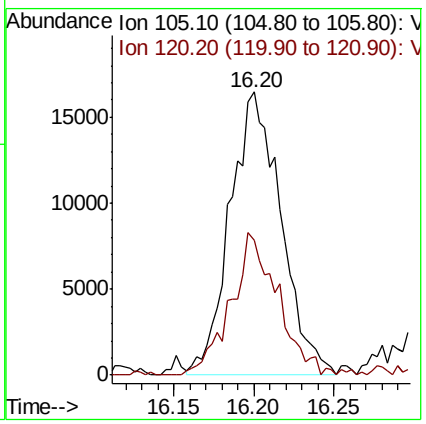




#73
1,3,5-Trimethylbenzene
Concen: 0.10 ppbv
RT: 16.20 min Scan# 4125
Delta R.T. -0.02 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion:105 Resp: 35823

Ion	Ratio	Lower	Upper
105	100		
120	47.7	37.9	56.9



Instrument :
MSVOA_L
ClientSampleId :
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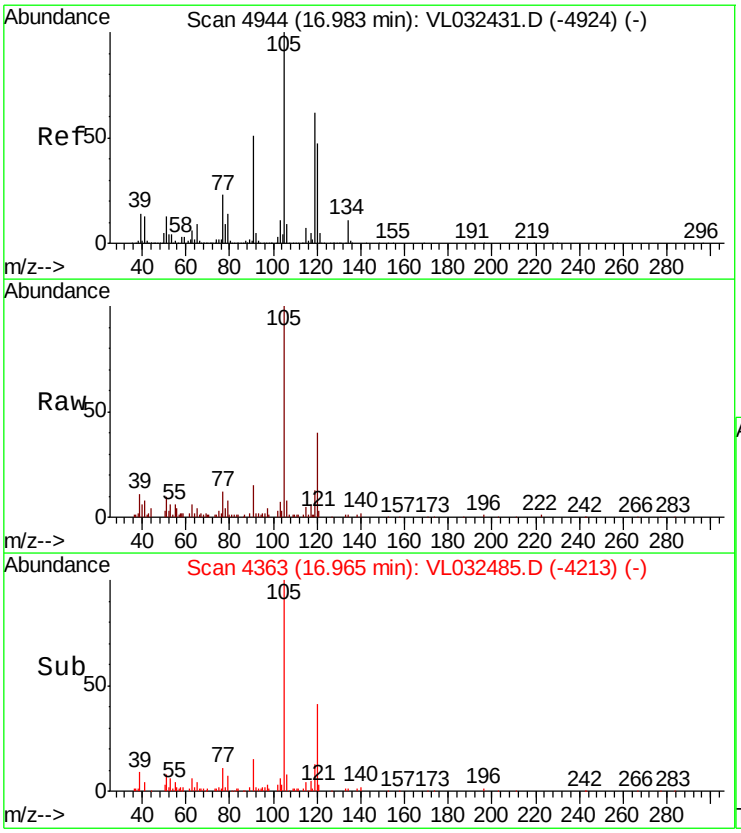

#74
1,2,4-Trimethylbenzene
Concen: 0.29 ppbv
RT: 16.97 min Scan# 4363
Delta R.T. -0.02 min
Lab File: VL032485.D
Acq: 10 Sep 2018 19:26

Tgt Ion:105 Resp: 111795

Ion	Ratio	Lower	Upper
105	100		
120	43.3	37.8	56.8
91	14.6	41.4	62.0#
77	11.8	18.6	28.0#