Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\
Data File : VL033854.D
Acq On : 30 May 2019 3:34
Operator : SY/AP
Sample : K3067-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 06:41:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 1
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : SG-5-20190523-0

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	724319	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1663507	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1721790	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1373733	9.84	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	38108	0.250	ppbv		95
3) Chlorodifluoromethane	3.01	51	55313m	0.667	ppbv		
4) Chloromethane	3.17	50	12025	0.253	ppbv		94
11) Trichlorofluoromethane	4.00	101	43672	0.300	ppbv		93
13) Ethanol	3.67	45	221566	19.425	ppbv		99
15) Acetone	3.90	43	595615	5.927	ppbv		100
17) tert-Butyl alcohol	4.38	59	14346m	0.177	ppbv		
19) Isopropyl Alcohol	4.05	45	229227	3.538	ppbv	#	94
20) Methylene Chloride	4.40	84	132017	3.412	ppbv		94
26) Hexane	5.77	57	182359	2.403	ppbv	#	43
27) Carbon Disulfide	4.62	76	23560	0.226	ppbv	#	60
34) 2-Butanone	5.33	43	97065	0.941	ppbv		99
35) Carbon Tetrachloride	7.13	117	5286m	0.040	ppbv		
36) Benzene	6.99	78	43853	0.290	ppbv		99
38) Trichloroethene	7.95	130	4119m	0.073	ppbv		
44) 2,2,4-Trimethylpentane	7.98	57	31680m	0.124	ppbv		
52) Tetrachloroethene	11.36	164	57664	1.084	ppbv		97
53) Toluene	9.94	91	506205	3.101	ppbv		99
59) m/p-Xylene	13.12	91	44926m	0.225	ppbv		
60) o-Xylene	13.84	91	22340m	0.111	ppbv		
74) 1,2,4-Trimethylbenzene	16.92	105	37308	0.153	ppbv	#	70

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052919\
Data File : VL033854.D
Acq On : 30 May 2019 3:34
Operator : SY/AP
Sample : K3067-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 30 06:41:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0

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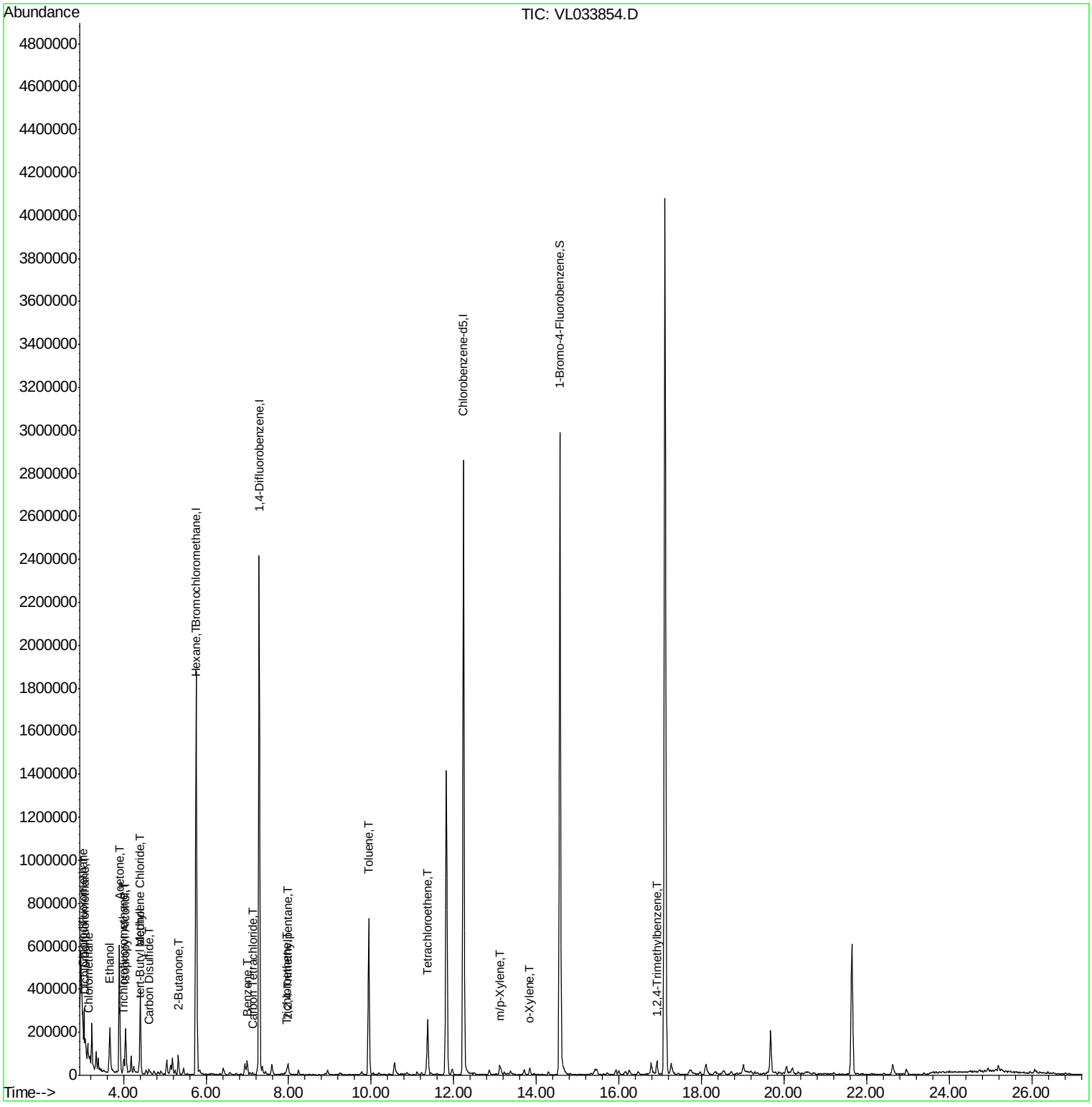
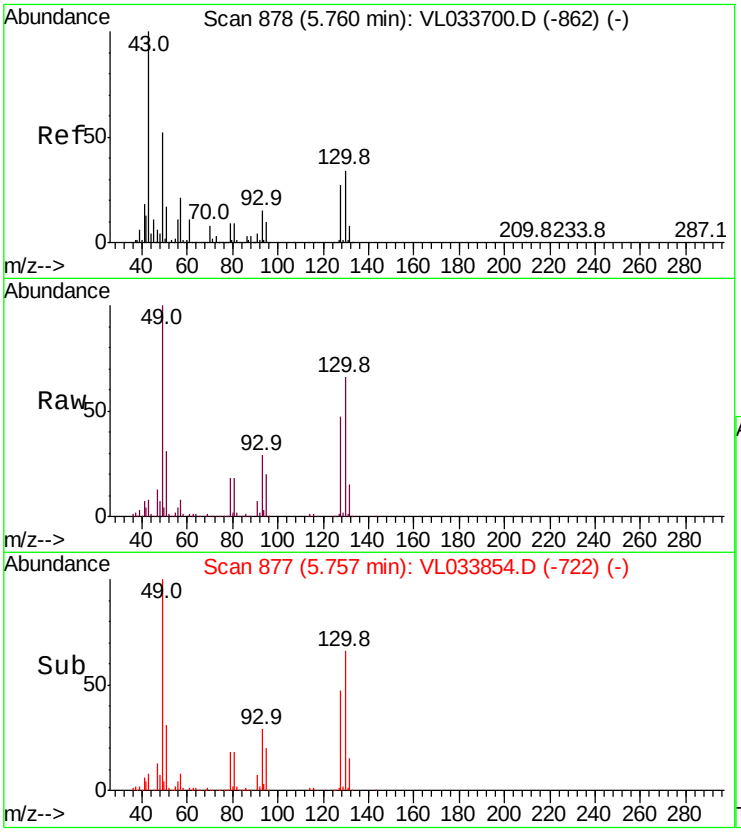
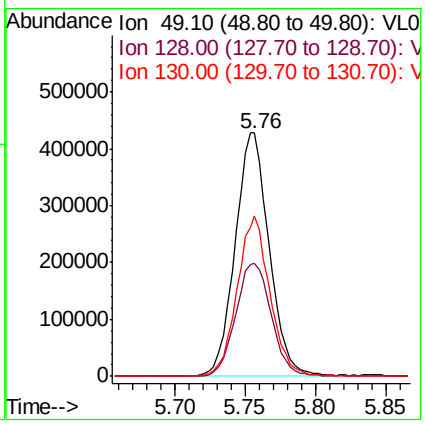




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 49 Resp: 724319

Ion	Ratio	Lower	Upper
49	100		
128	48.9	25.2	75.6
130	63.3	32.5	97.5



Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0

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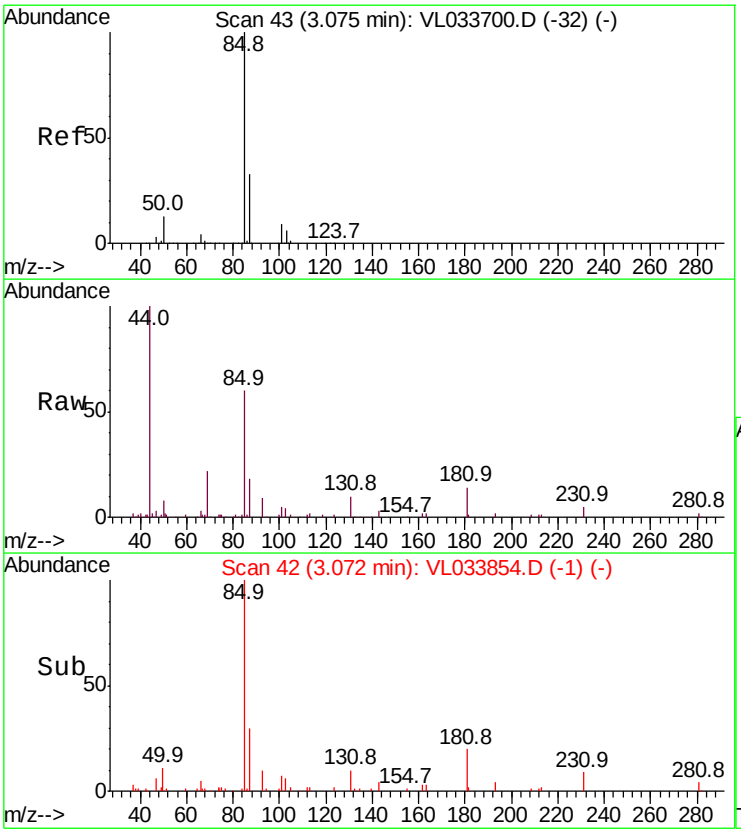
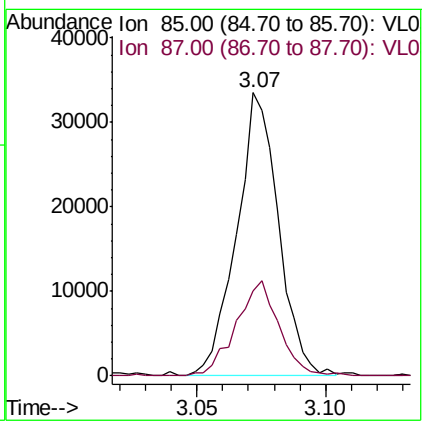
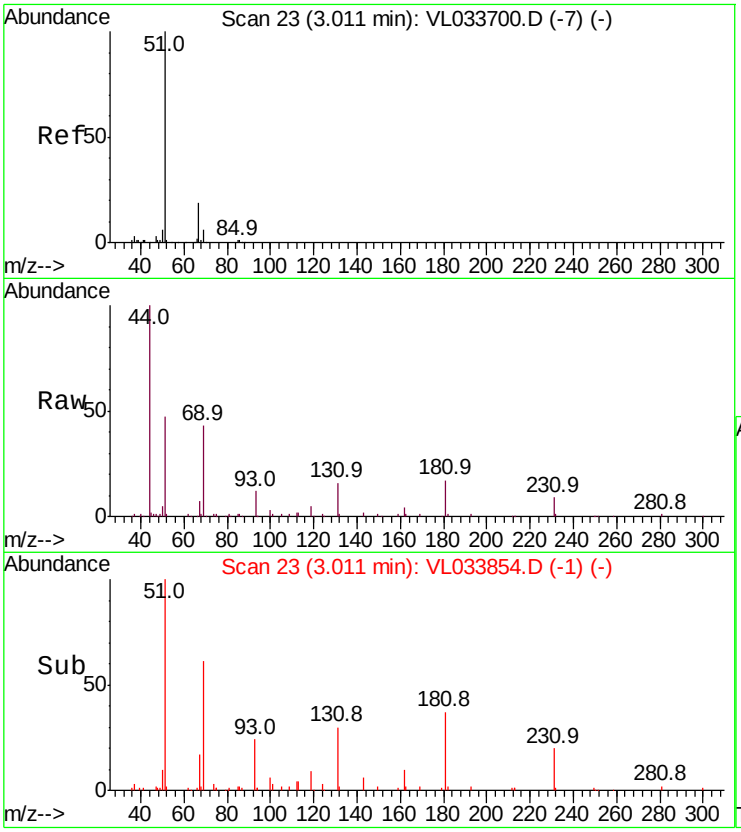


#2
Dichlorodifluoromethane
Concen: 0.250 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 85 Resp: 38108

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.3	39.5

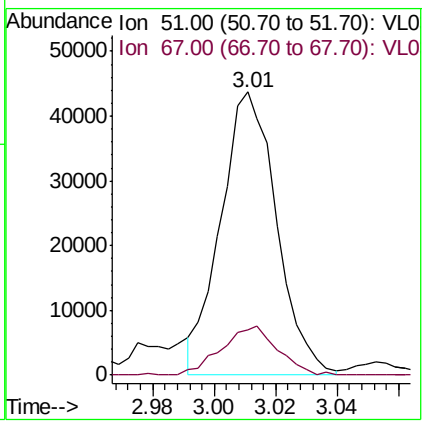




#3
Chlorodifluoromethane
Concen: 0.667 ppbv m
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 51 Resp: 55313

Ion	Ratio	Lower	Upper
51	100		
67	17.5	15.6	23.4



Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0

Manual Integrations APPROVED
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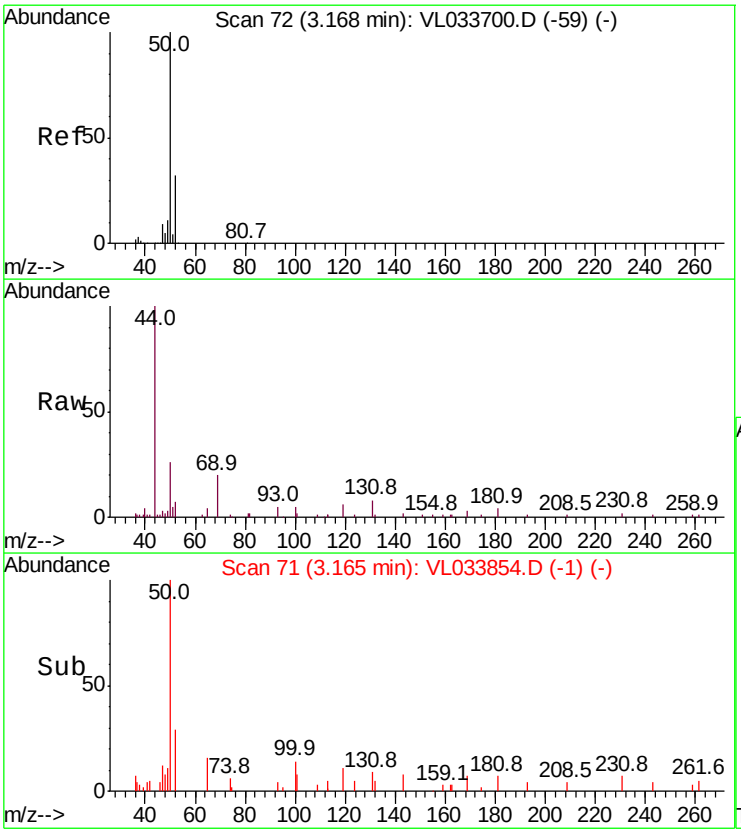
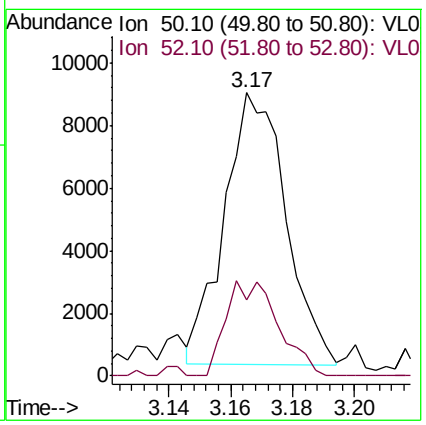
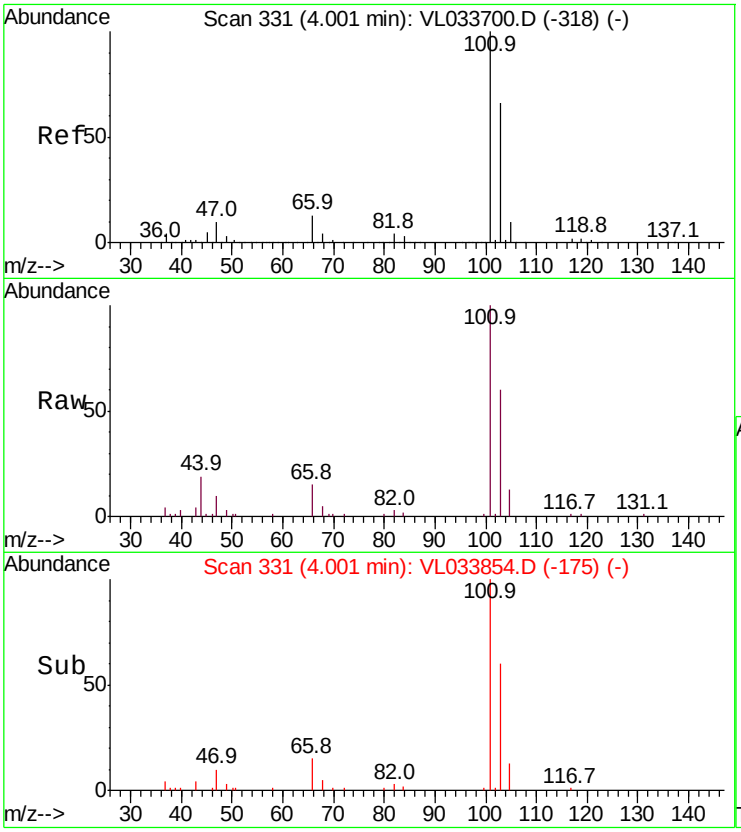


#4
Chloromethane
Concen: 0.253 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 50 Resp: 12025

Ion	Ratio	Lower	Upper
50	100		
52	28.9	25.7	38.5

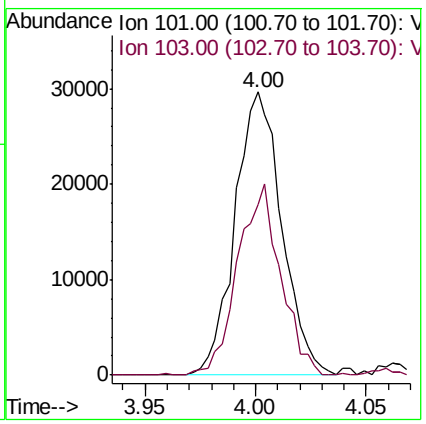




#11
Trichlorofluoromethane
Concen: 0.300 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion:101 Resp: 43672

Ion	Ratio	Lower	Upper
101	100		
103	60.3	52.6	78.8



Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0

Manual Integrations APPROVED
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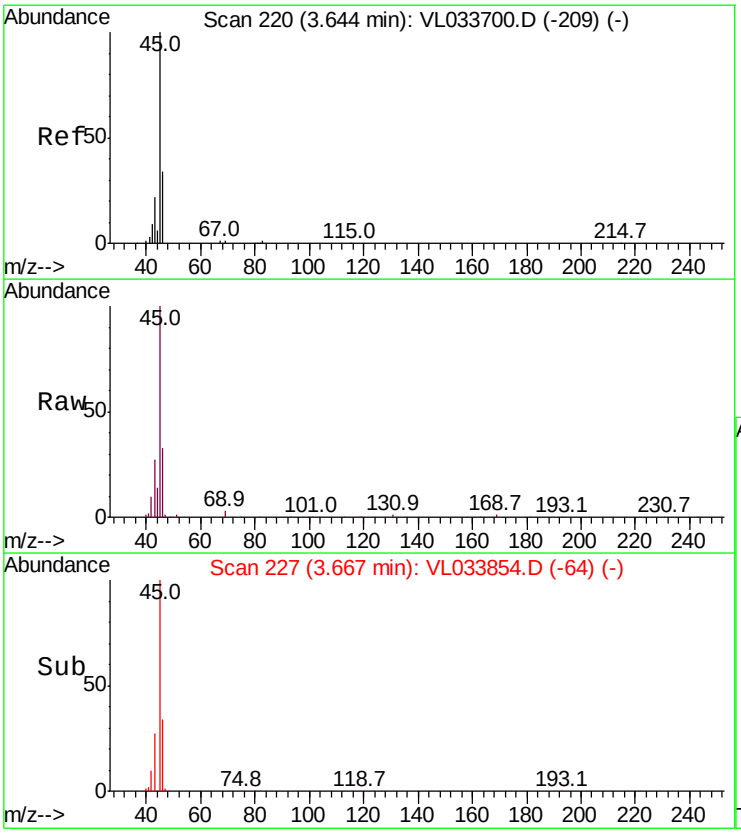
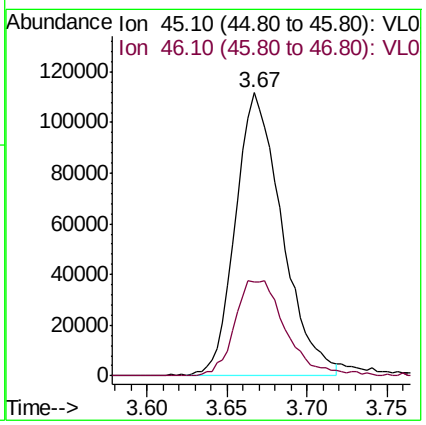
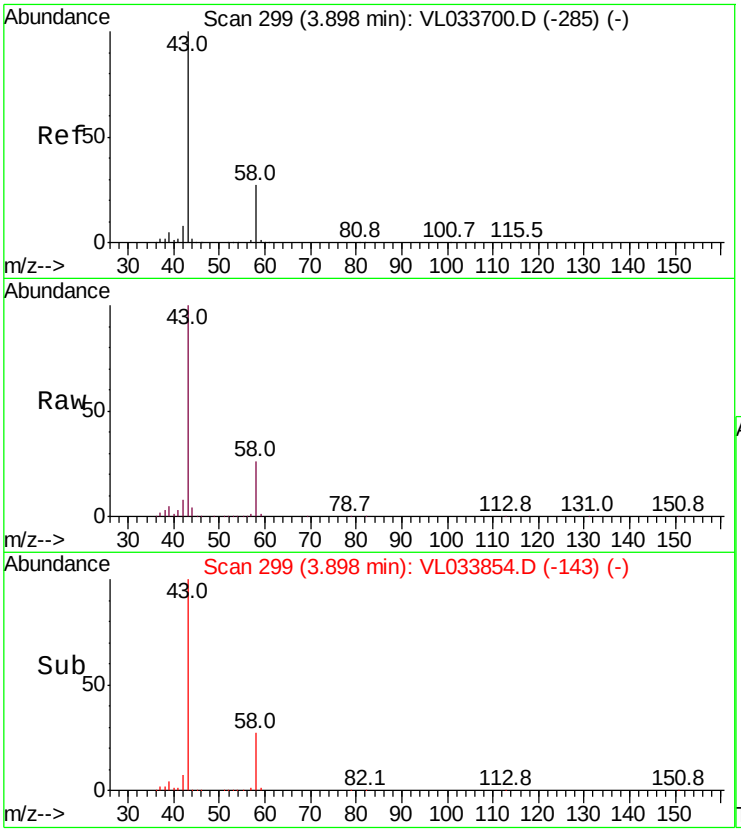


#13
Ethanol
Concen: 19.425 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 45 Resp: 221566

Ion	Ratio	Lower	Upper
45	100		
46	37.5	14.8	59.0





#15
Acetone
Concen: 5.927 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 43 Resp: 595615

Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.3	31.9

Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0

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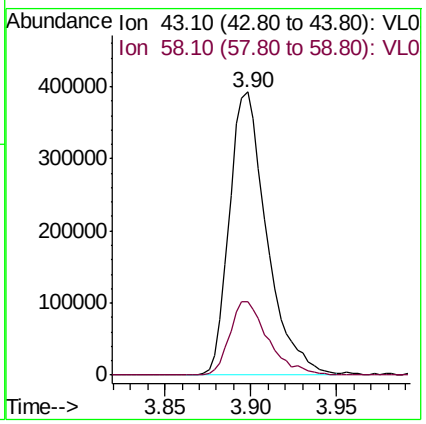
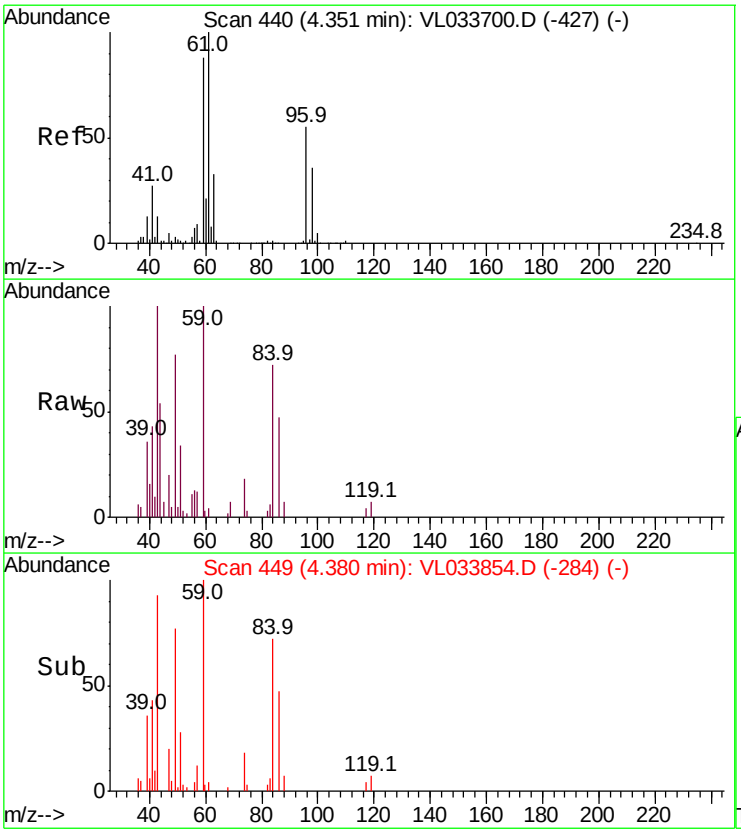
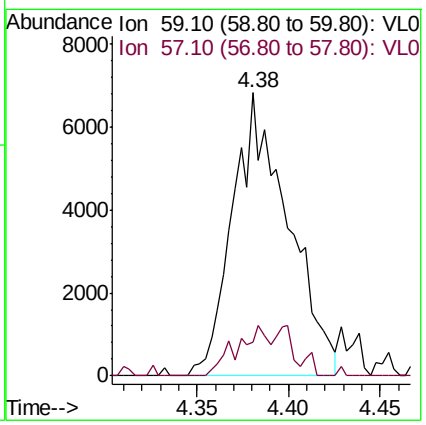


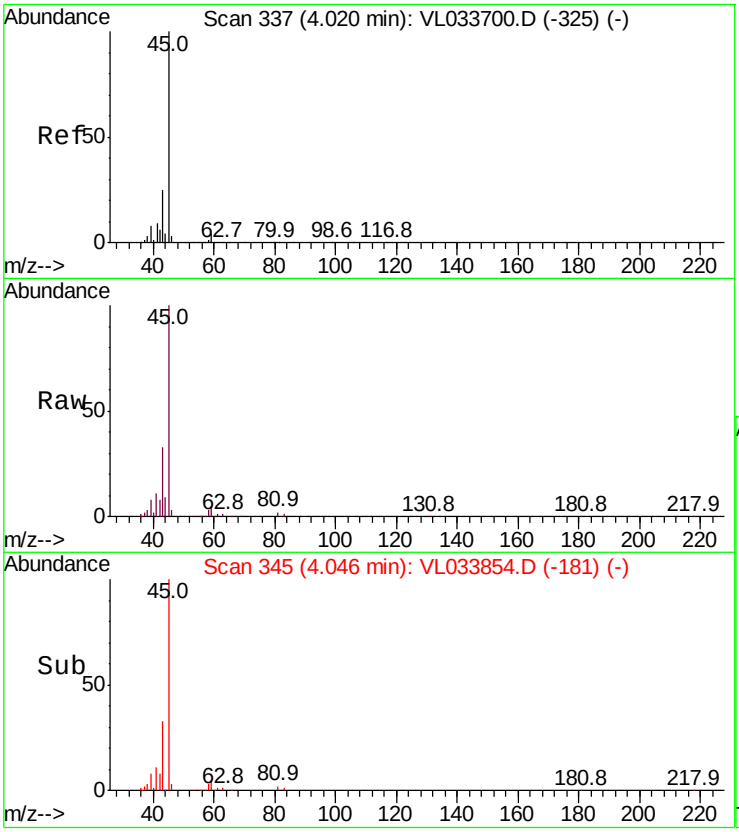


#17
tert-Butyl alcohol
Concen: 0.177 ppbv m
RT: 4.38 min Scan# 449
Delta R.T. 0.03 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 59 Resp: 14346

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

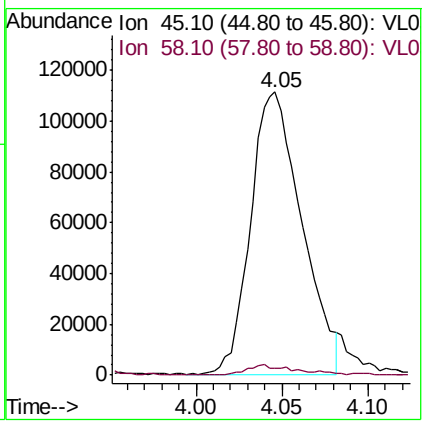




#19
Isopropyl Alcohol
Concen: 3.538 ppbv
RT: 4.05 min Scan# 345
Delta R.T. 0.03 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 45 Resp: 229227

Ion	Ratio	Lower	Upper
45	100		
58	4.1	1.6	2.4#



Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0

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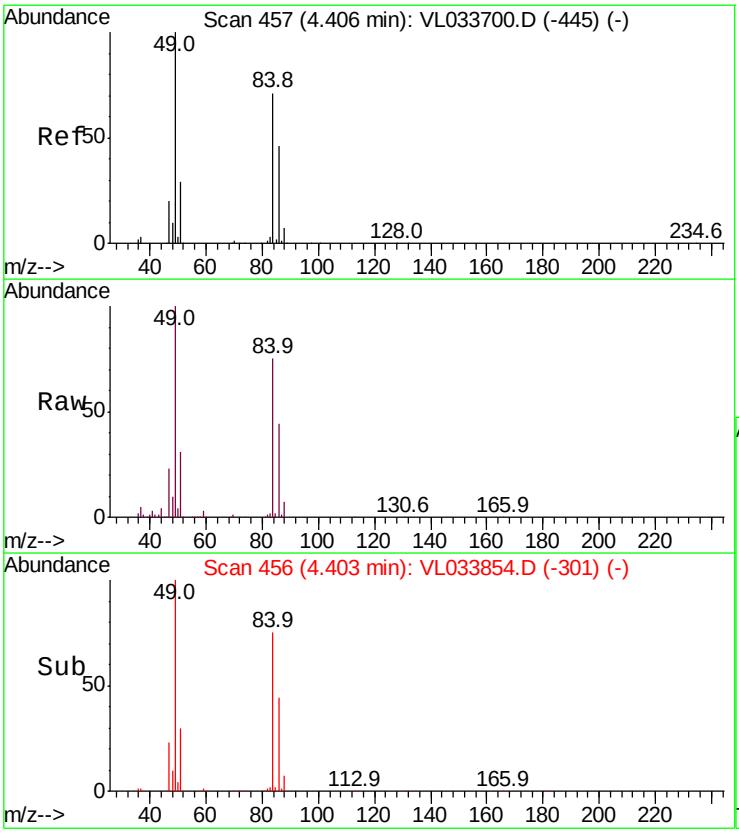
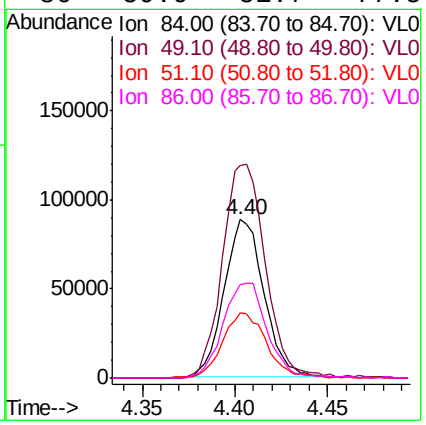
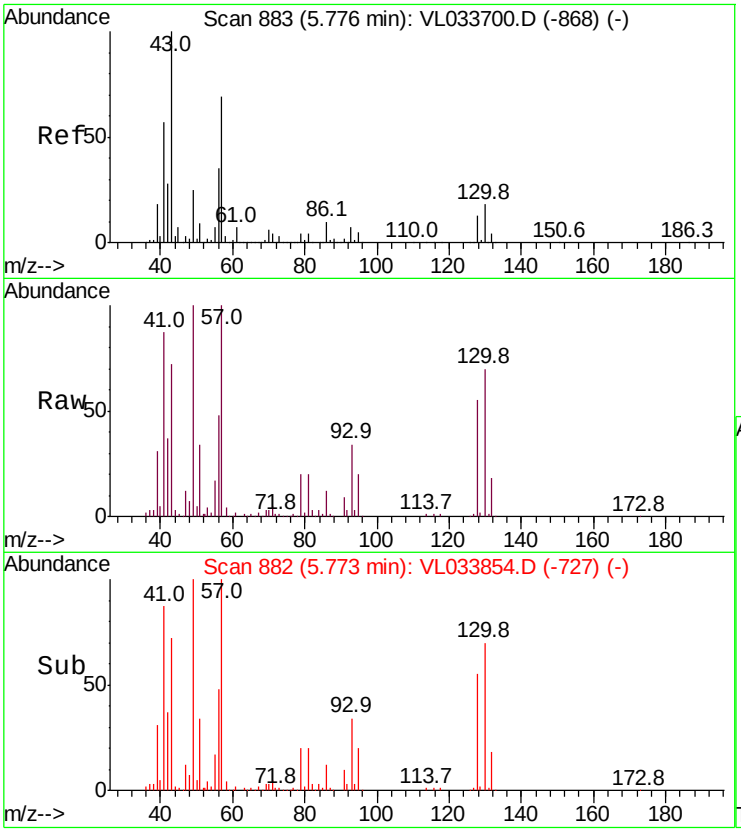


#20
Methylene Chloride
Concen: 3.412 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 84 Resp: 132017

Ion	Ratio	Lower	Upper
84	100		
49	133.5	112.8	169.2
51	40.9	33.4	50.0
86	59.0	51.7	77.5

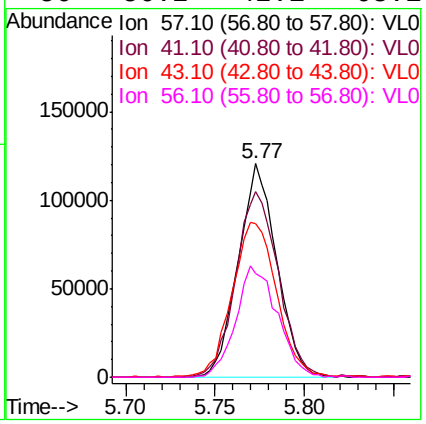




#26
Hexane
Concen: 2.403 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 57 Resp: 182359

Ion	Ratio	Lower	Upper
57	100		
41	96.3	69.8	104.6
43	84.7	181.8	272.6#
56	56.2	42.1	63.1



Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0

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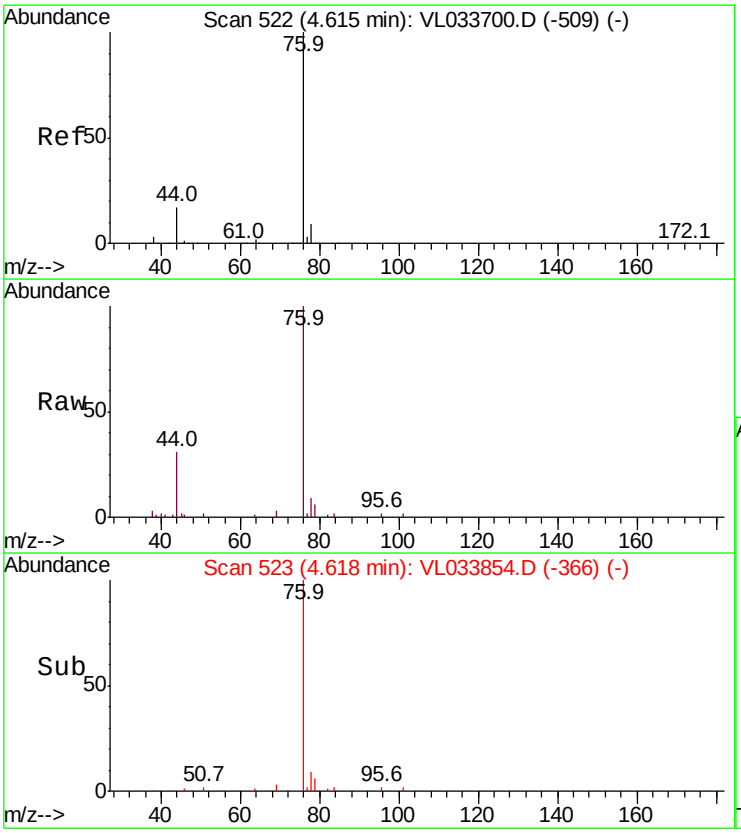
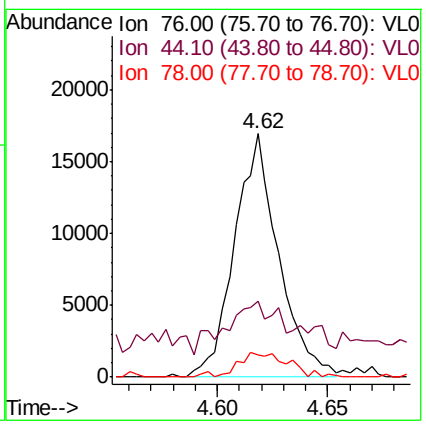
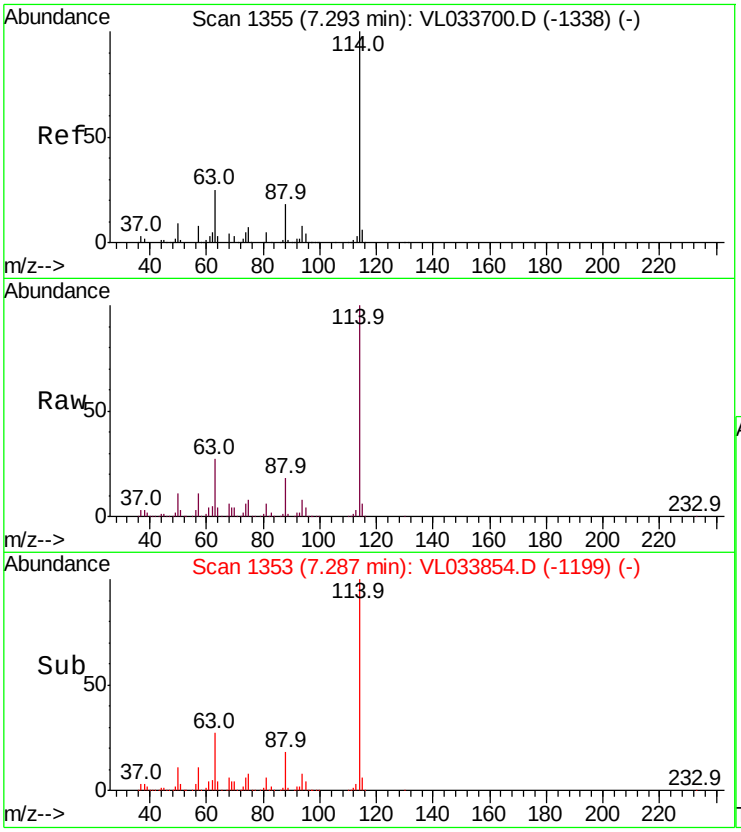


#27
Carbon Disulfide
Concen: 0.226 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 76 Resp: 23560

Ion	Ratio	Lower	Upper
76	100		
44	42.6	13.8	20.8#
78	11.7	7.4	11.0#

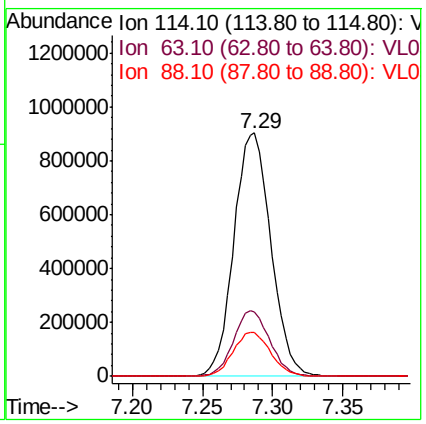




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion:114 Resp: 1663507

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.9	31.3
88	18.3	14.3	21.5



Instrument :
MSVOA_L
ClientSampleId :
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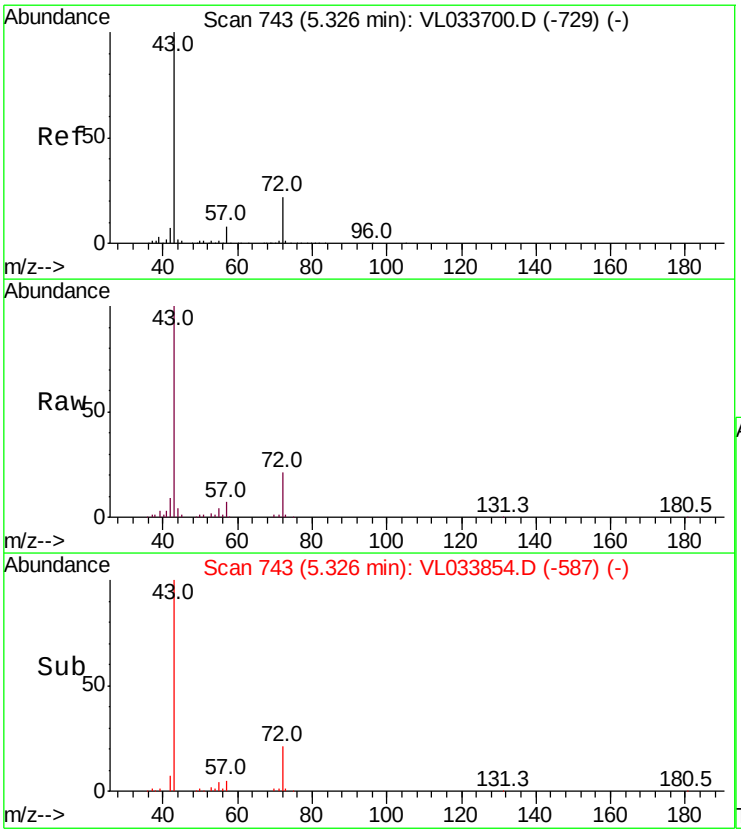
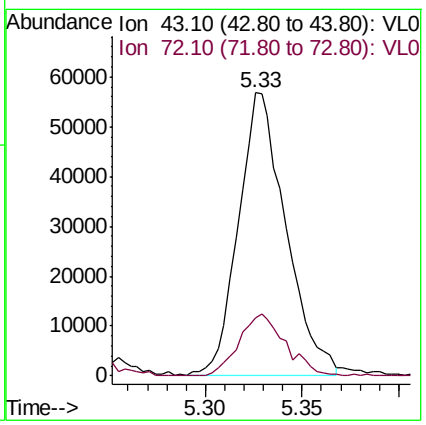
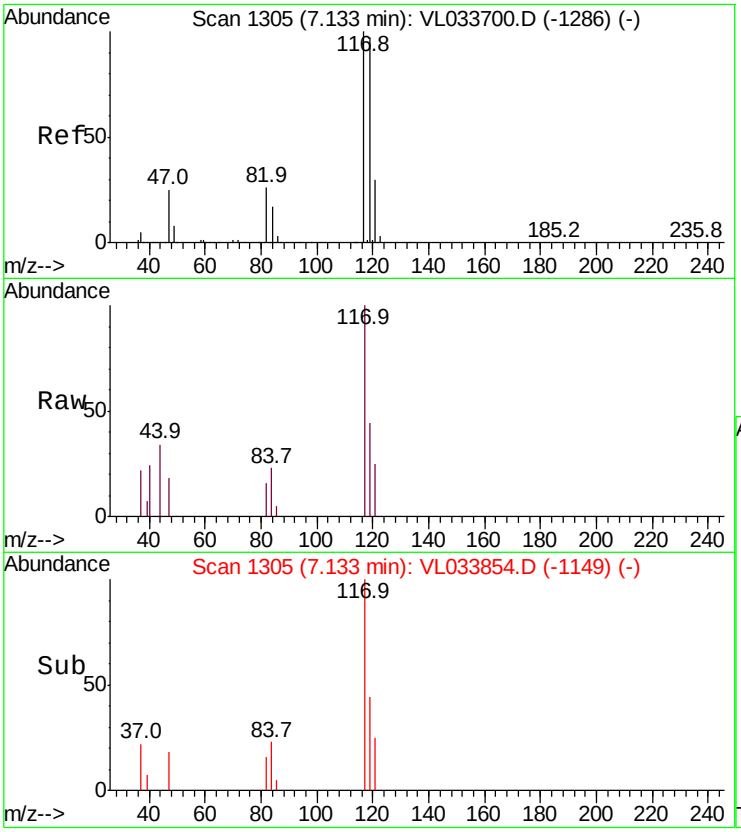


#34
2-Butanone
Concen: 0.941 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 43 Resp: 97065

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.8	26.6

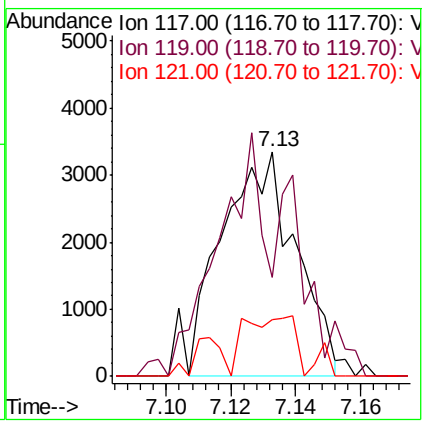




#35
Carbon Tetrachloride
Concen: 0.040 ppbv m
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion:117 Resp: 5286

Ion	Ratio	Lower	Upper
117	100		
119	43.8	77.2	115.8#
121	25.5	24.1	36.1



Instrument :
MSVOA_L
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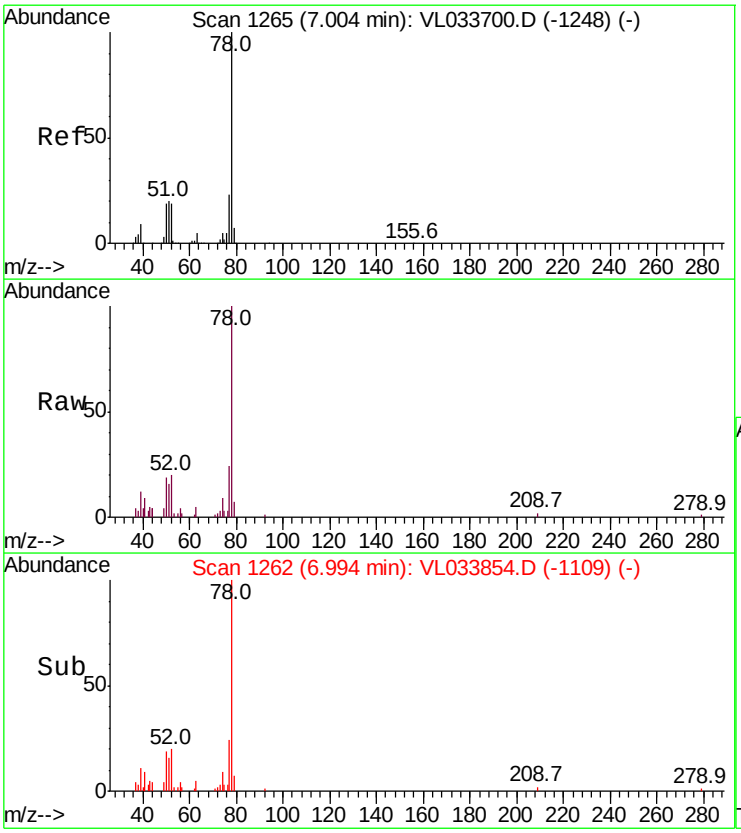
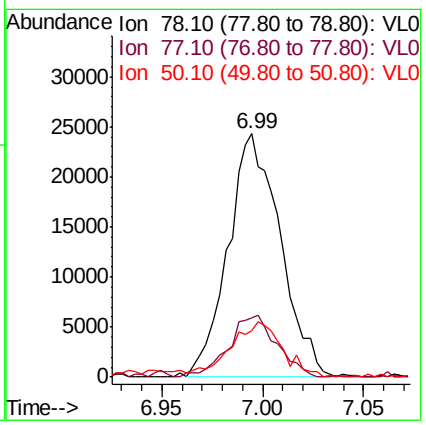
5/31/2019 12:45:55 PM

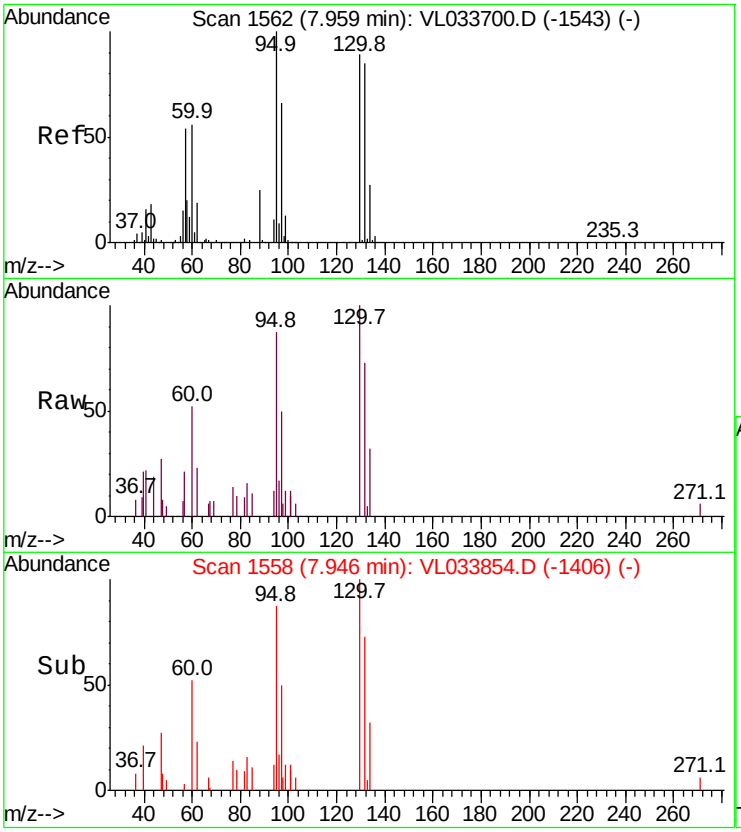


#36
Benzene
Concen: 0.290 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 78 Resp: 43853

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6
50	19.3	15.5	23.3

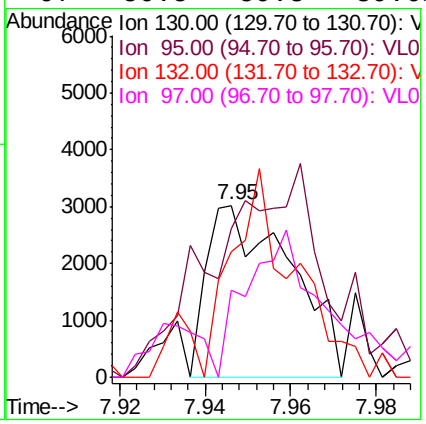




#38
Trichloroethene
Concen: 0.073 ppbv m
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion:130 Resp: 4119

Ion	Ratio	Lower	Upper
130	100		
95	86.6	90.2	135.4#
132	72.8	76.4	114.6#
97	50.5	59.8	89.6#



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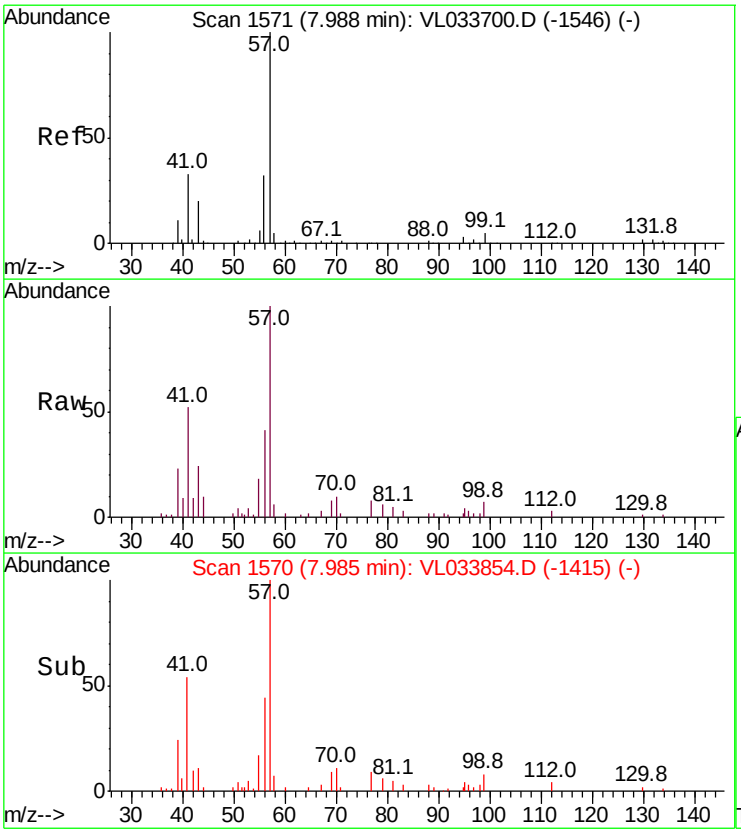
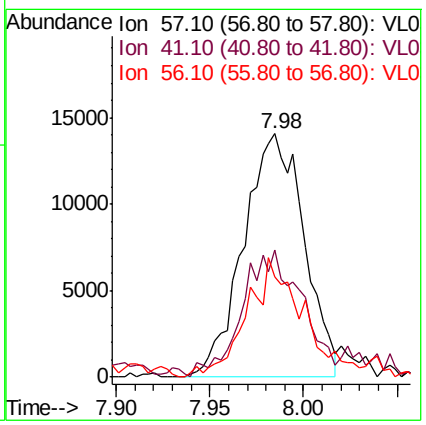
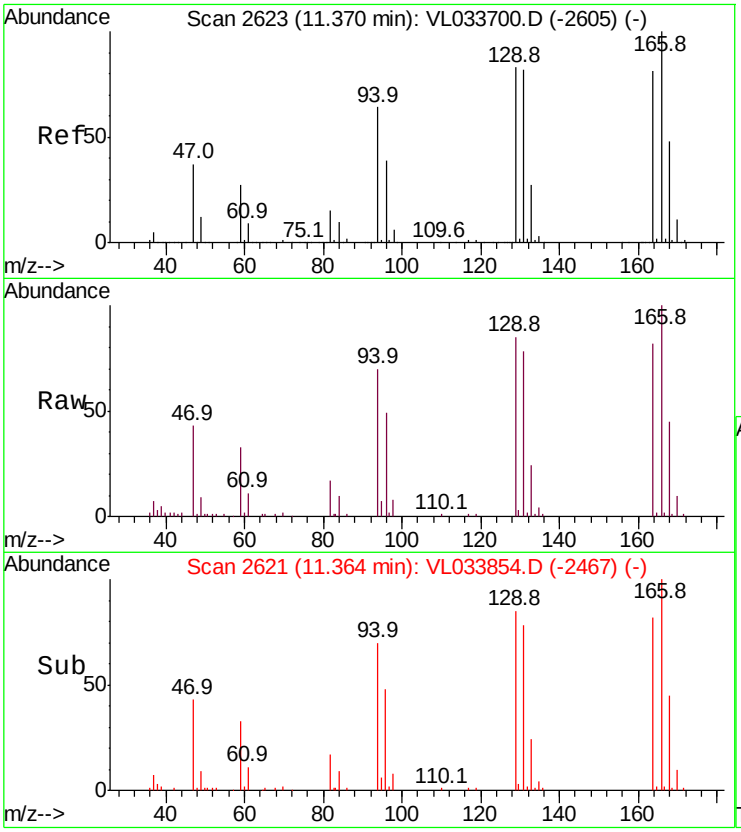


#44
2,2,4-Trimethylpentane
Concen: 0.124 ppbv m
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 57 Resp: 31680

Ion	Ratio	Lower	Upper
57	100		
41	59.9	25.4	38.0#
56	48.0	24.7	37.1#

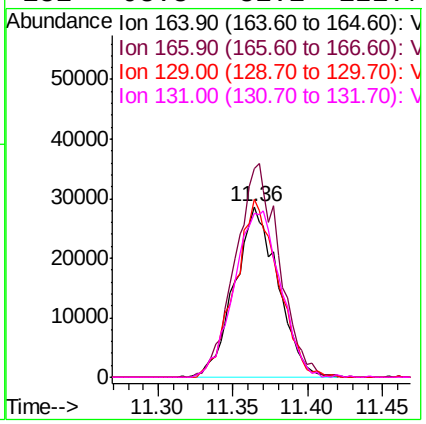




#52
Tetrachloroethene
Concen: 1.084 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion:164 Resp: 57664

Ion	Ratio	Lower	Upper
164	100		
166	124.6	98.9	148.3
129	108.0	81.8	122.6
131	98.3	81.1	121.7



Instrument :
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ClientSampleId :
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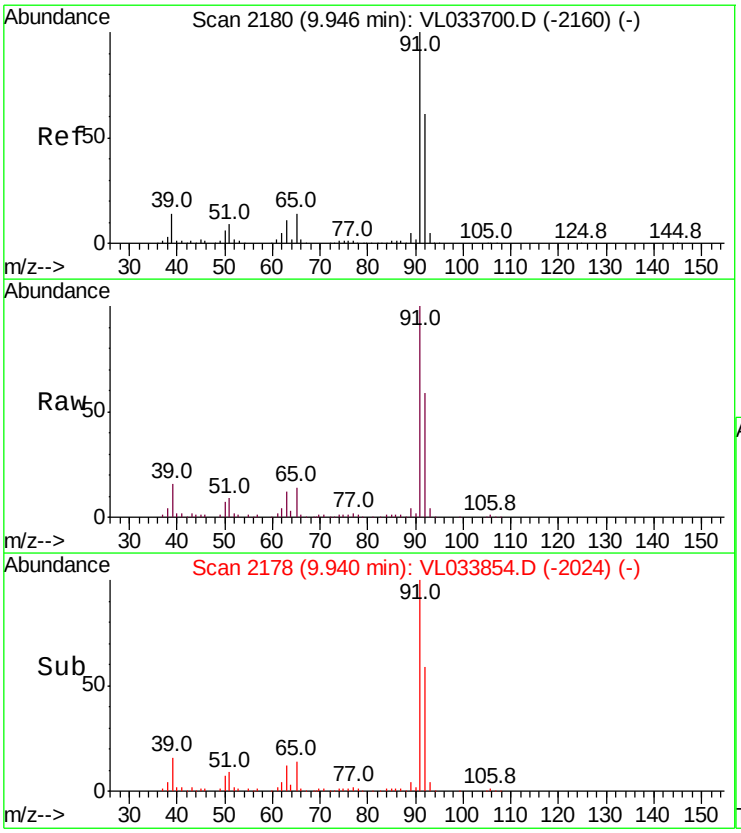
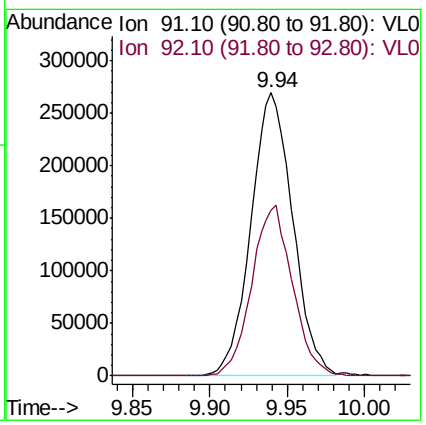
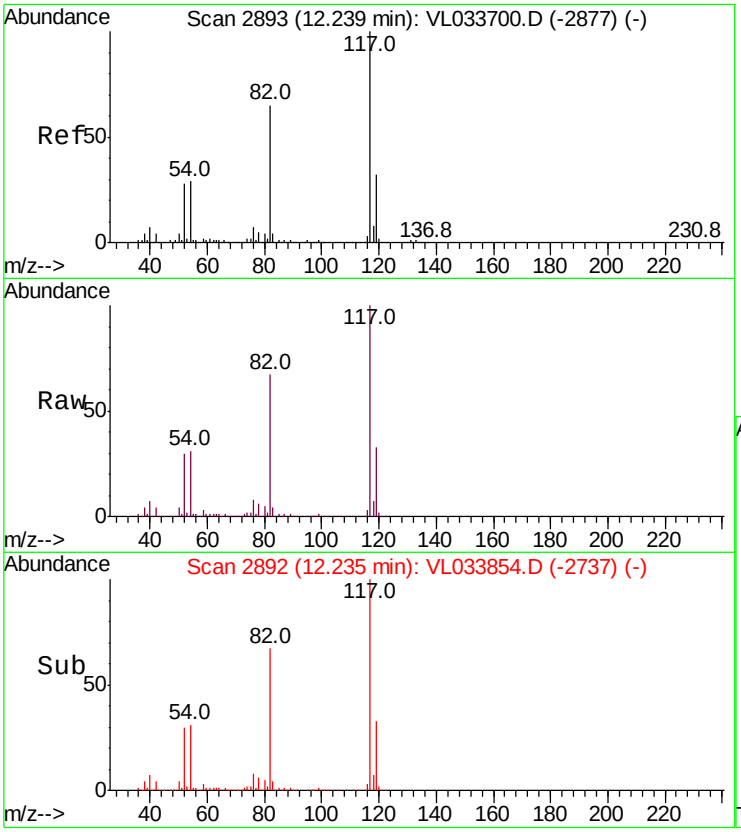


#53
Toluene
Concen: 3.101 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 91 Resp: 506205

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.6	71.4

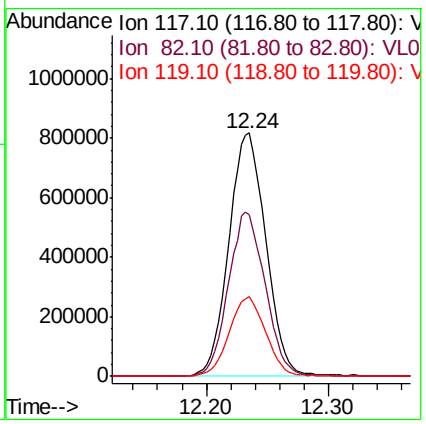




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion:117 Resp: 1721790

Ion	Ratio	Lower	Upper
117	100		
82	67.7	49.4	74.0
119	32.3	24.9	37.3



Instrument :
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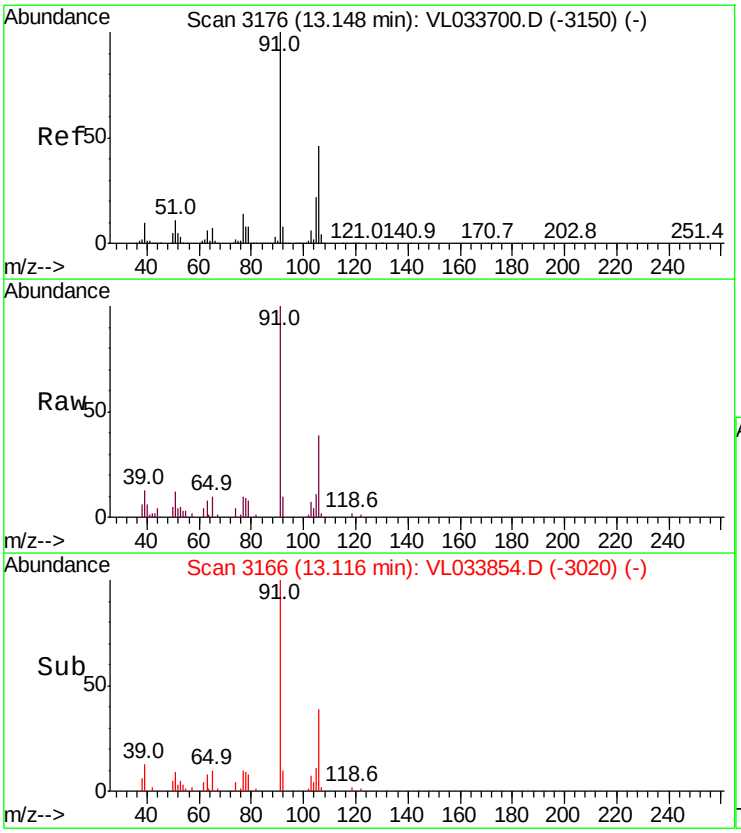
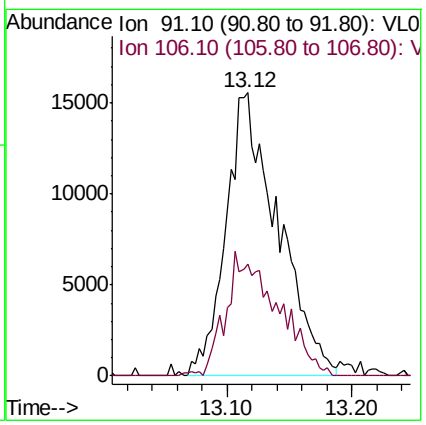
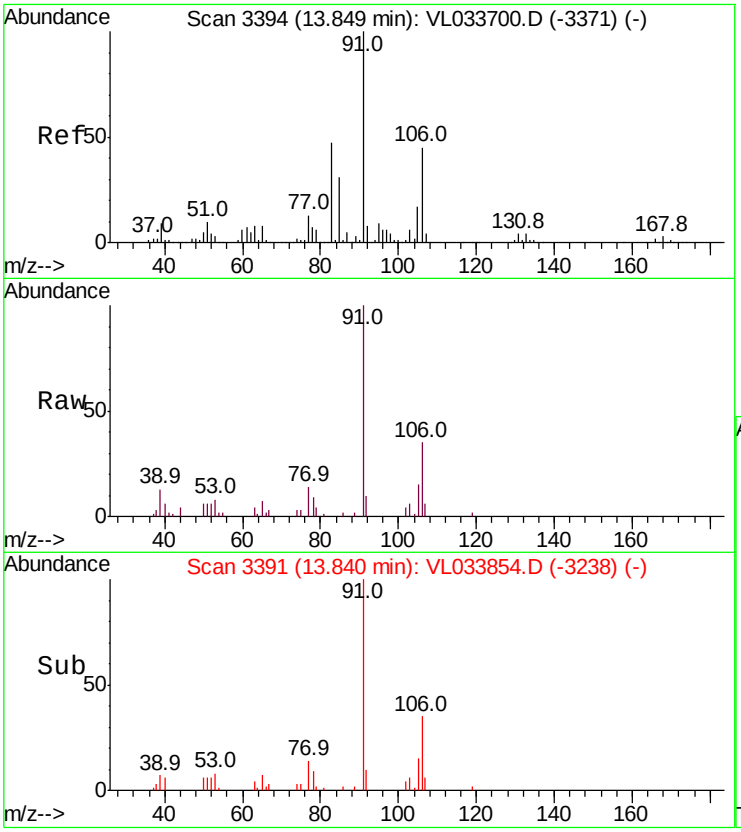


#59
m/p-Xylene
Concen: 0.225 ppbv m
RT: 13.12 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 91 Resp: 44926

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#

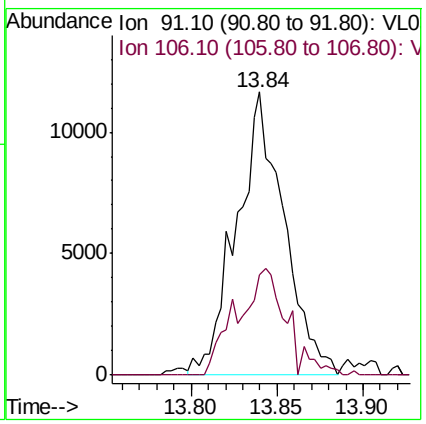




#60
o-Xylene
Concen: 0.111 ppbv m
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 91 Resp: 22340

Ion	Ratio	Lower	Upper
91	100		
106	39.5	21.6	64.8



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ClientSampleId :
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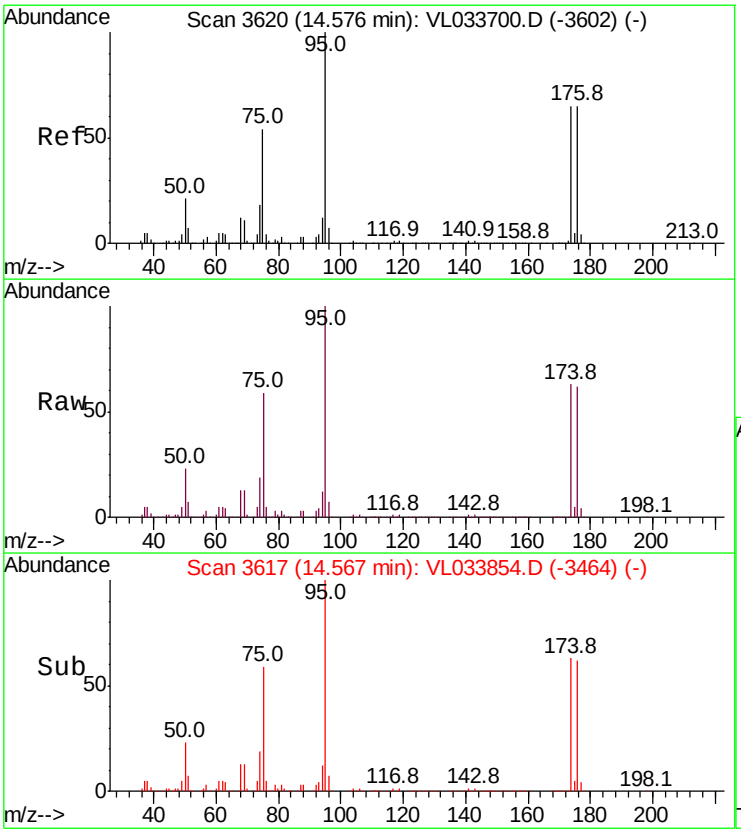
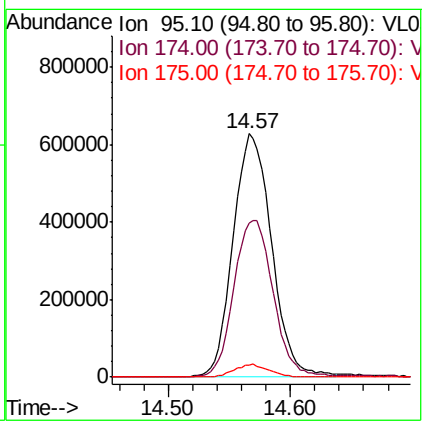
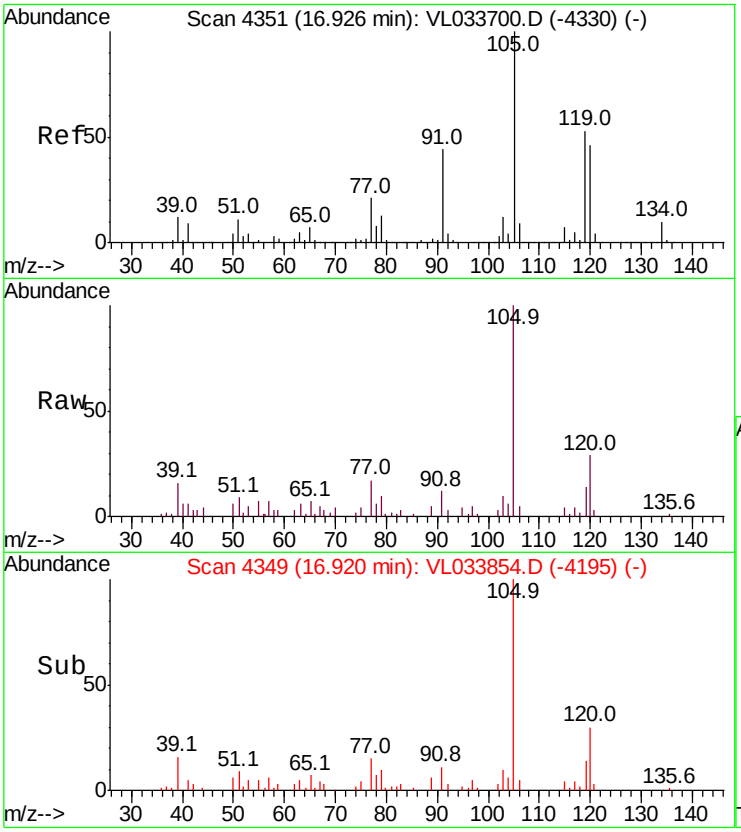


#68
1-Bromo-4-Fluorobenzene
Concen: 9.842 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion: 95 Resp: 1373733

Ion	Ratio	Lower	Upper
95	100		
174	66.4	53.9	80.9
175	4.8	3.8	5.8

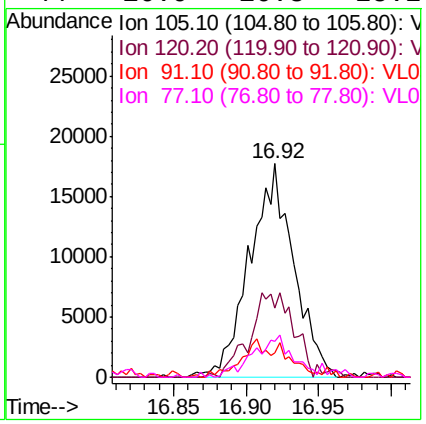




#74
1,2,4-Trimethylbenzene
Concen: 0.153 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033854.D
Acq: 30 May 2019 3:34

Tgt Ion:105 Resp: 37308

Ion	Ratio	Lower	Upper
105	100		
120	32.2	36.8	55.2#
91	11.7	35.4	53.0#
77	16.9	16.8	25.2



Instrument :
MSVOA_L
ClientSampleId :
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