

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL033018.D
 Acq On : 18 Dec 2018 5:46
 Operator : SY/AP
 Sample : J6444-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 YT-PL-LTM5

Manual Integrations
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Quant Time: Jan 04 13:49:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1066353	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2563463	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1886164	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2012743	14.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	144.40%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	96037	0.675	ppbv	97
3) Chlorodifluoromethane	3.02	51	61145m	0.757	ppbv	
4) Chloromethane	3.18	50	32278	0.687	ppbv	96
9) Propene	3.05	41	55111m	1.726	ppbv	
11) Trichlorofluoromethane	4.01	101	38975	0.291	ppbv	97
13) Ethanol	3.66	45	164717	14.981	ppbv	97
15) Acetone	3.91	43	329502	3.600	ppbv	96
19) Isopropyl Alcohol	4.04	45	90071	1.567	ppbv #	96
20) Methylene Chloride	4.41	84	176662	3.949	ppbv	98
26) Hexane	5.79	57	156505	1.568	ppbv #	54
34) 2-Butanone	5.34	43	29944	0.268	ppbv	93
35) Carbon Tetrachloride	7.14	117	13479m	0.067	ppbv	
36) Benzene	7.01	78	73204	0.388	ppbv #	90
52) Tetrachloroethene	11.37	164	2792m	0.041	ppbv	
53) Toluene	9.95	91	479999	2.400	ppbv	97
59) m/p-Xylene	13.12	91	35055m	0.192	ppbv	

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

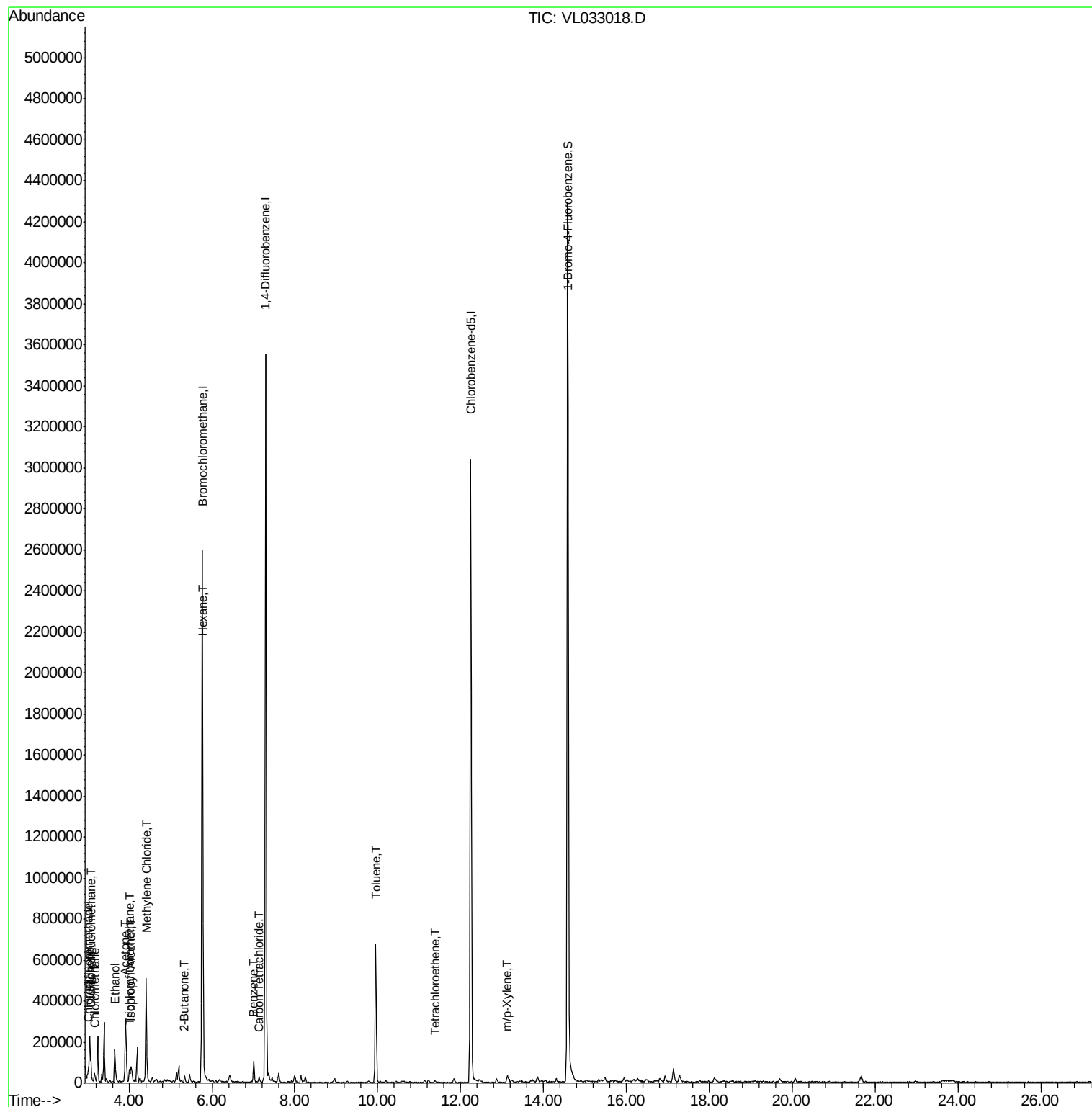
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121718\
Data File : VL033018.D
Acq On : 18 Dec 2018 5:46
Operator : SY/AP
Sample : J6444-05
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

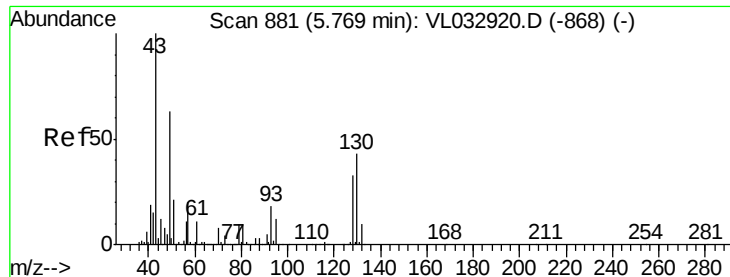
Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5

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Quant Time: Jan 04 13:49:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL033018.D

Acq: 18 Dec 2018 5:46

Instrument :

MSVOA_L

ClientSampleId :

YT-PL-LTM5

Tot Ion: 49 Resp: 1066353

Ion Ratio Lower Upper

49 100

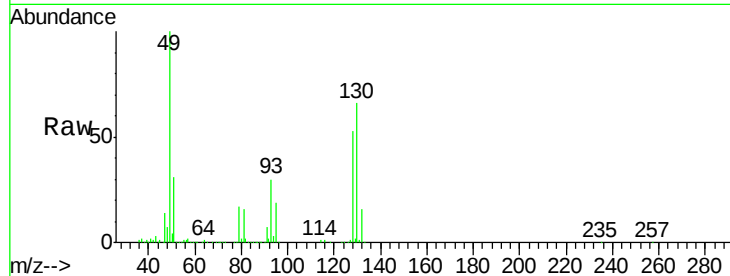
128 53.0 26.3 78.8

130 68.4 33.9 101.7

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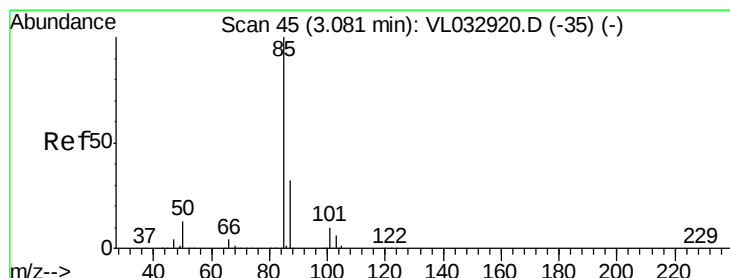
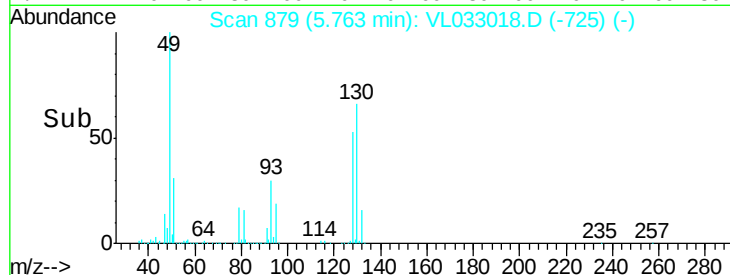
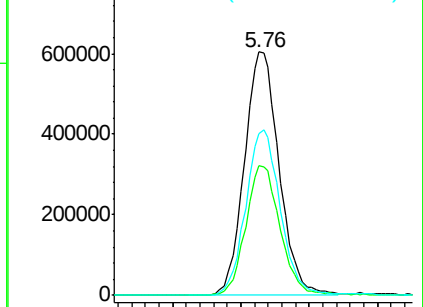
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.675 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL033018.D

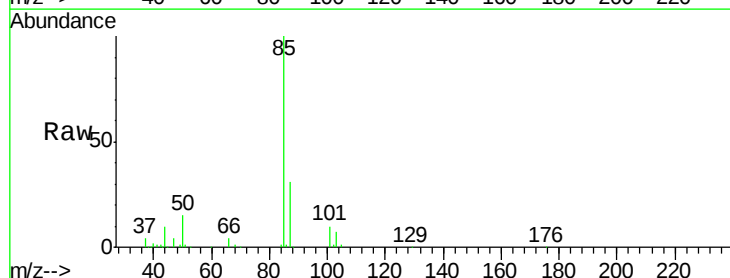
Acq: 18 Dec 2018 5:46

Tgt Ion: 85 Resp: 96037

Ion Ratio Lower Upper

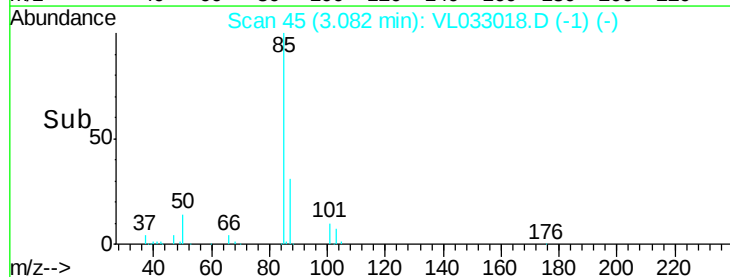
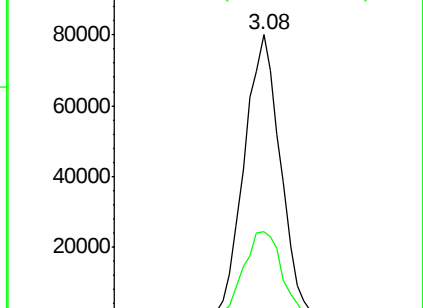
85 100

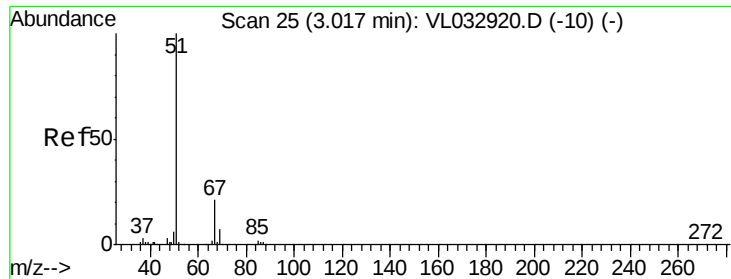
87 30.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





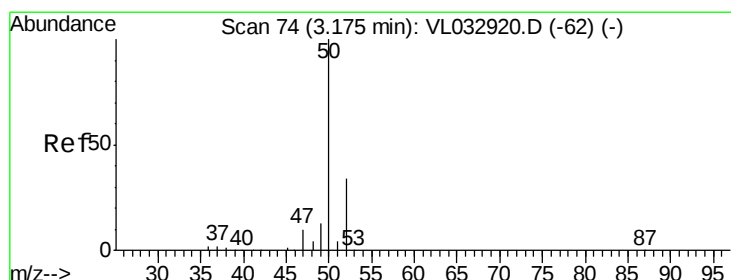
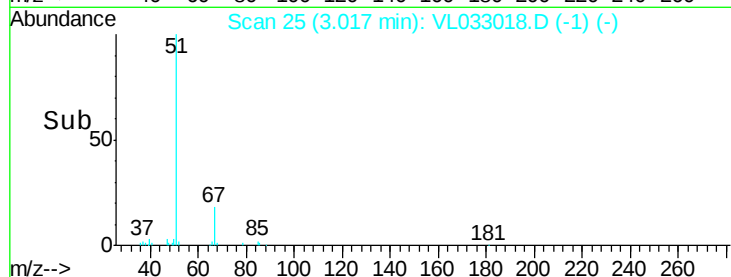
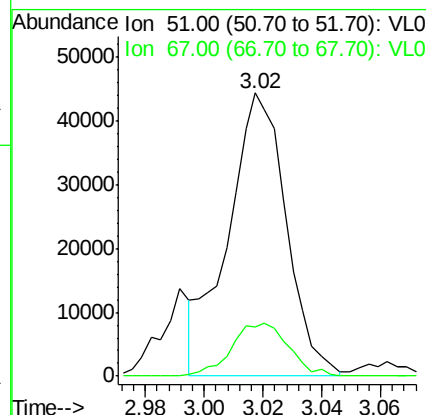
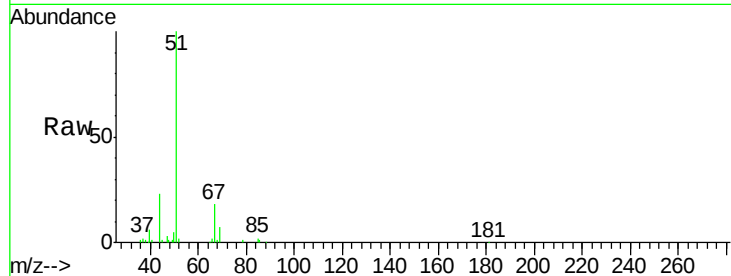
#3
Chlorodifluoromethane
Concen: 0.757 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.4	16.8	25.2

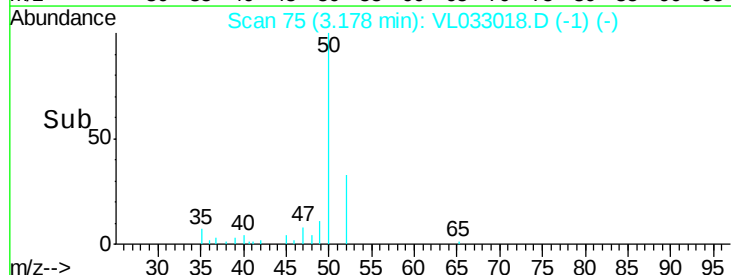
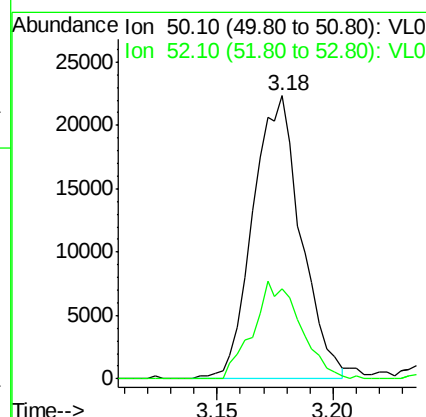
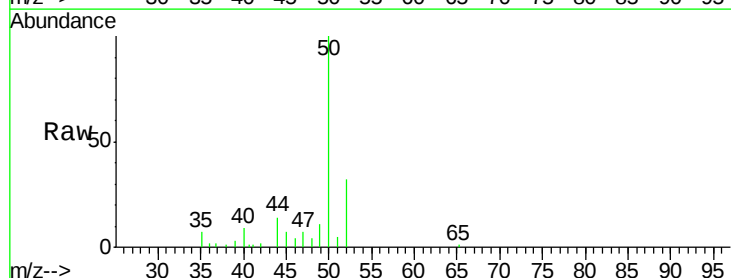
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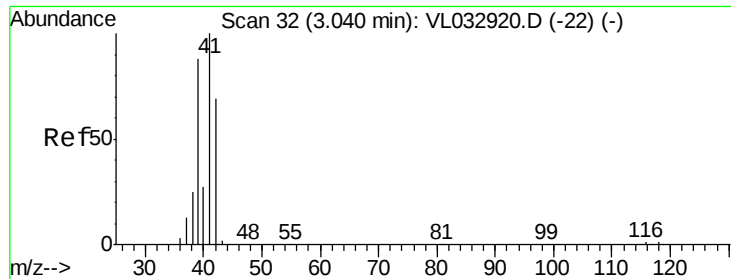
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#4
Chloromethane
Concen: 0.687 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.8	27.3	40.9





#9

Propene

Concen: 1.726 ppbv m

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL033018.D

Acq: 18 Dec 2018 5:46

Instrument :

MSVOA_L

ClientSampleId :

YT-PL-LTM5

Tot Ion: 41 Resp: 55111

Ion Ratio Lower Upper

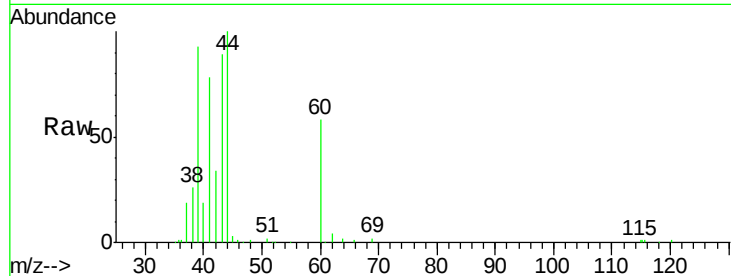
41 100

42 67.6 56.2 84.2

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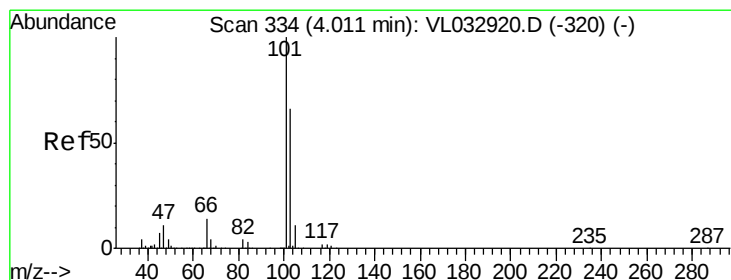
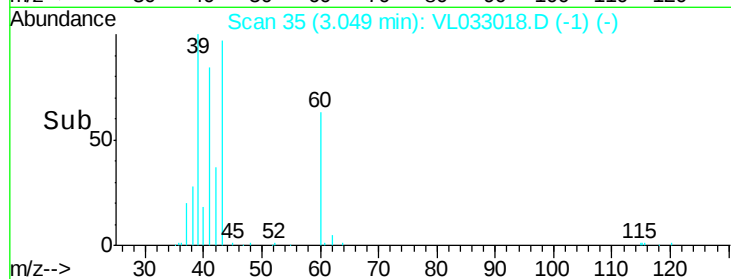
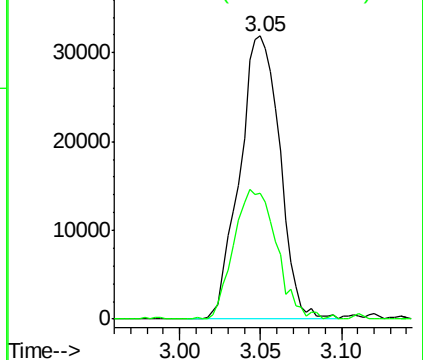
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.291 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL033018.D

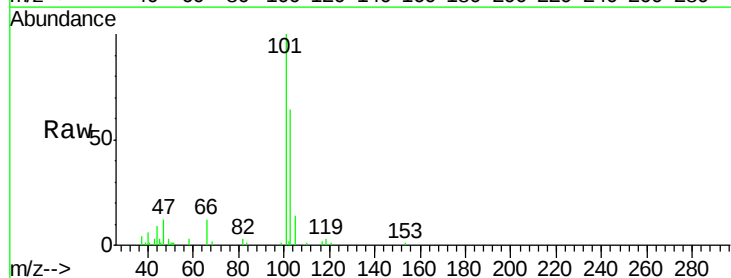
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Tgt Ion: 101 Resp: 38975

Ion Ratio Lower Upper

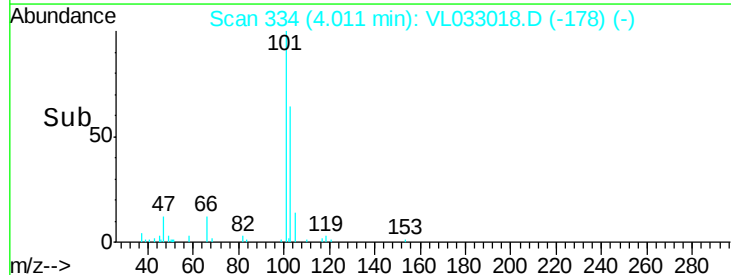
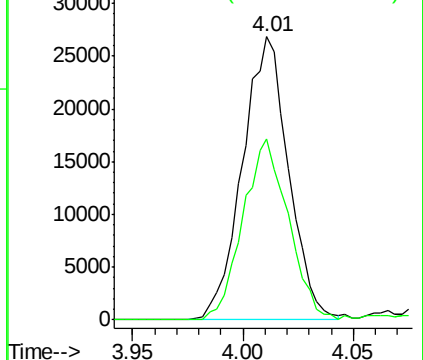
101 100

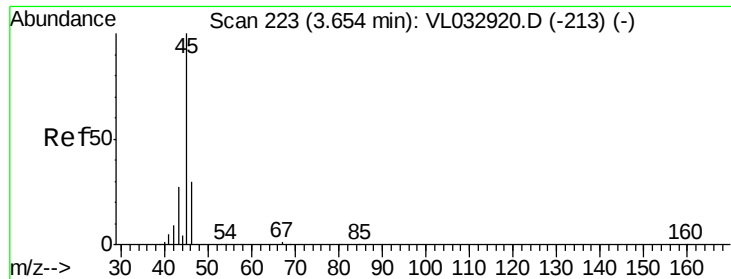
103 63.8 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





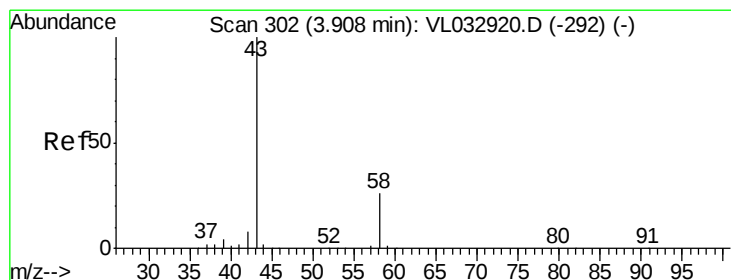
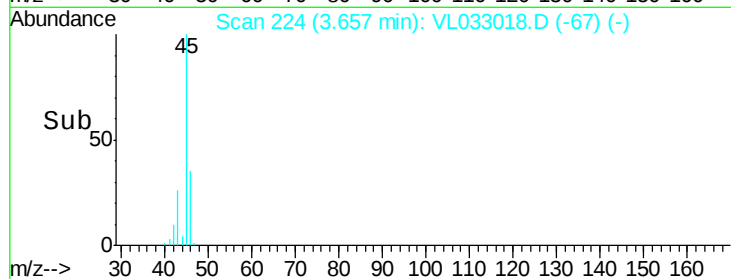
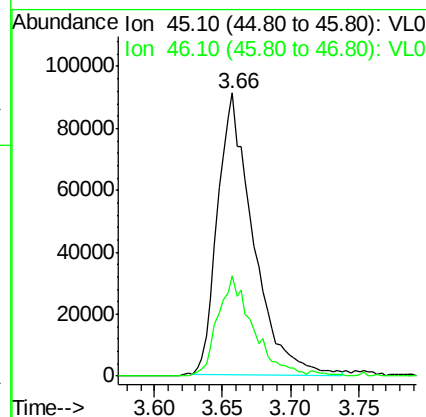
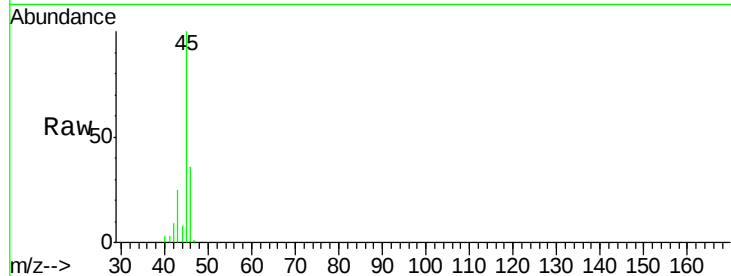
#13
Ethanol
Concen: 14.981 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5

Tot Ion	45	Resp	164717
Ion Ratio	100	Lower	Upper
45	100		
46	36.3	13.8	55.4

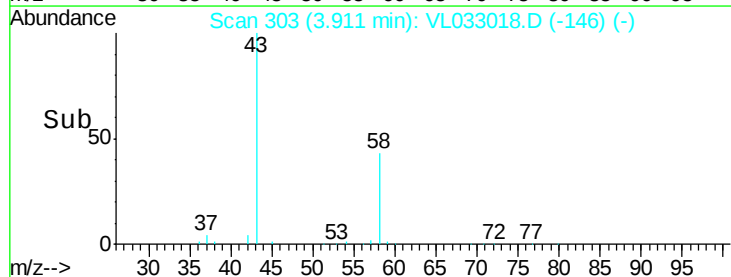
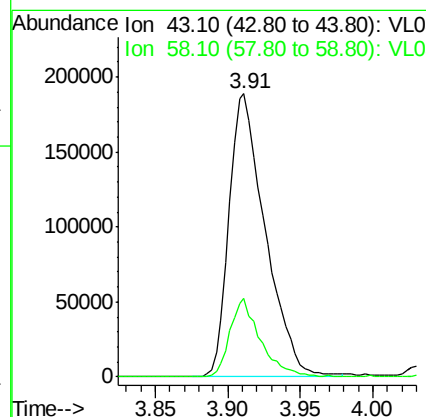
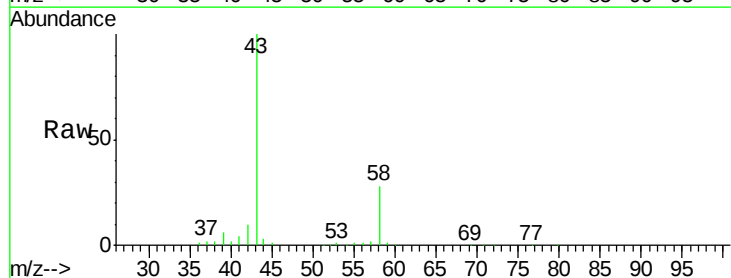
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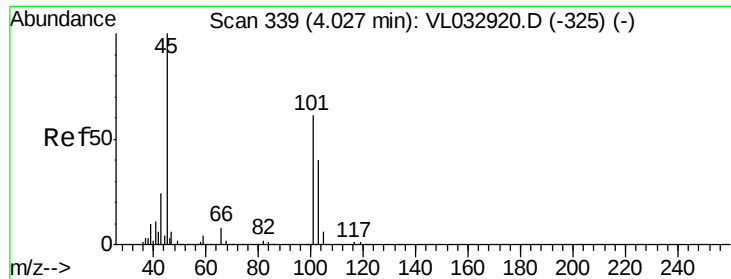
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#15
Acetone
Concen: 3.600 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Tgt Ion	43	Resp	329502
Ion Ratio	100	Lower	Upper
43	100		
58	23.5	20.6	30.8





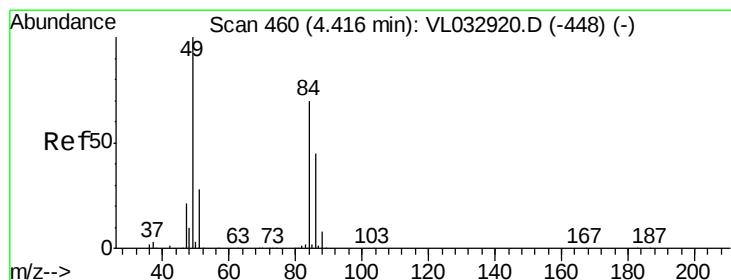
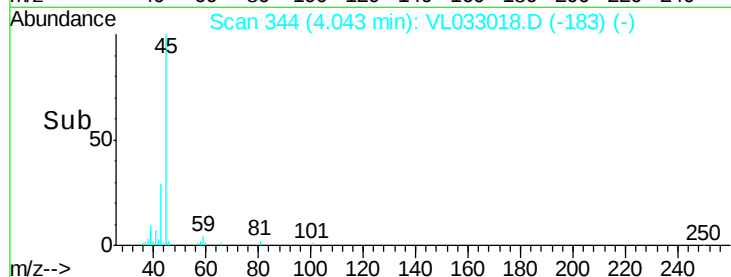
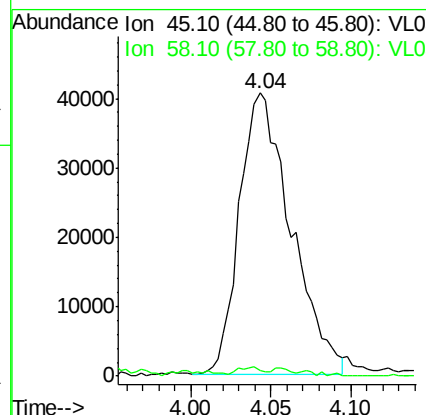
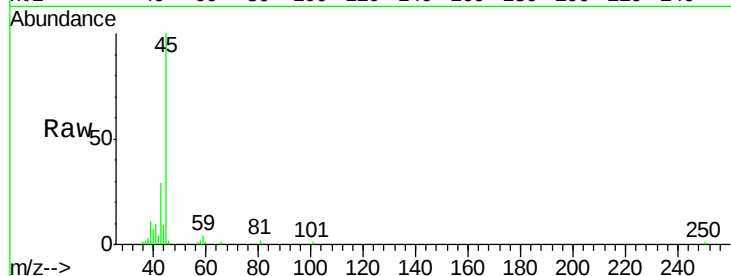
#19
Isopropyl Alcohol
Concen: 1.567 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5

Tot Ion: 45 Resp: 90071
Ion Ratio Lower Upper
45 100
58 3.3 1.4 2.2#

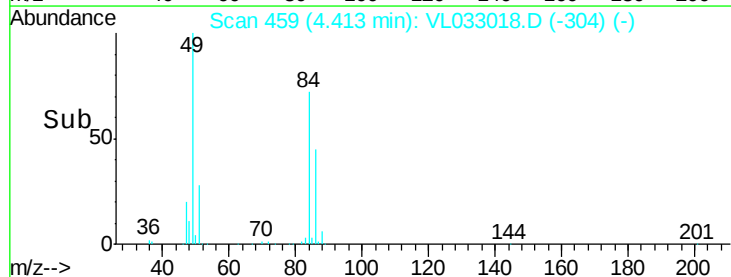
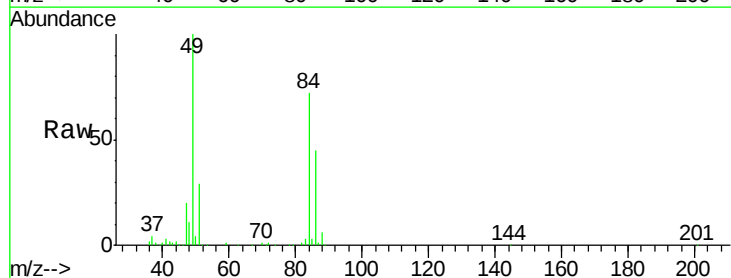
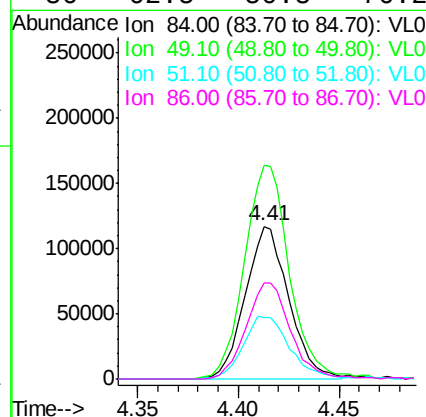
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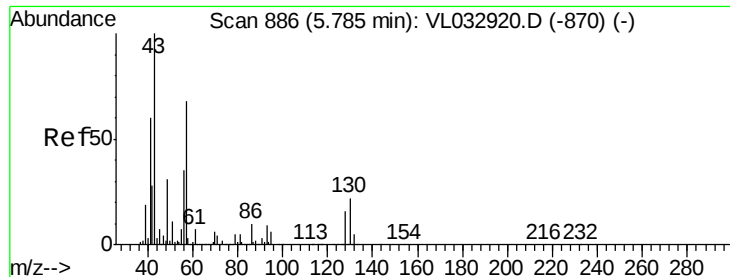
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#20
Methylene Chloride
Concen: 3.949 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Tgt Ion: 84 Resp: 176662
Ion Ratio Lower Upper
84 100
49 139.8 113.8 170.8
51 39.9 31.8 47.8
86 62.5 50.8 76.2





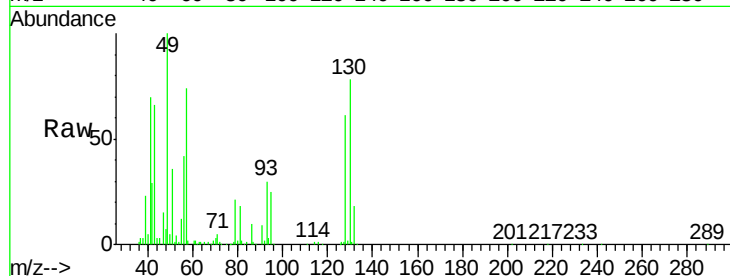
#26
Hexane
Concen: 1.568 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5

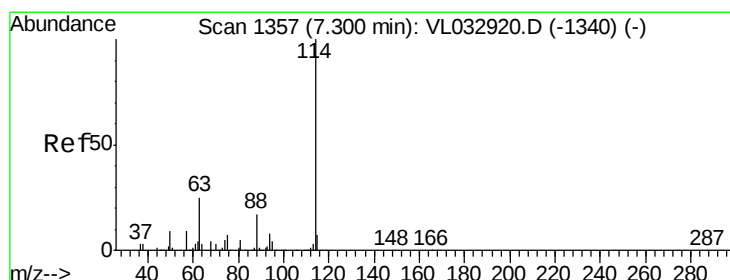
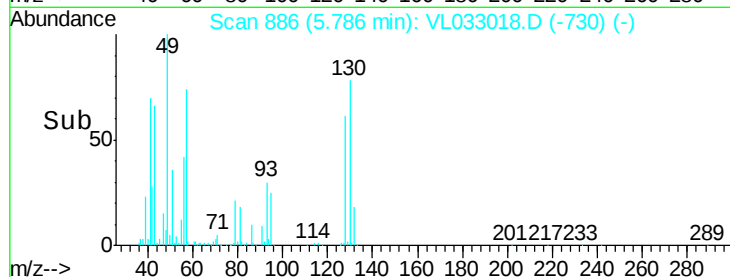
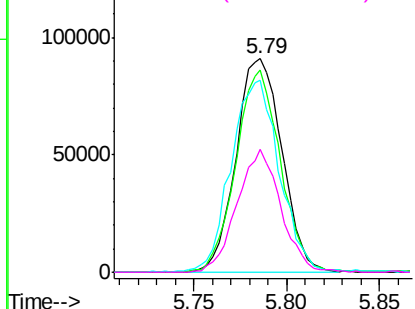
Tot Ion	Ratio	Lower	Upper
57	100		
41	92.2	72.2	108.2
43	95.1	171.9	257.9#
56	54.7	42.2	63.2

Manual Integrations
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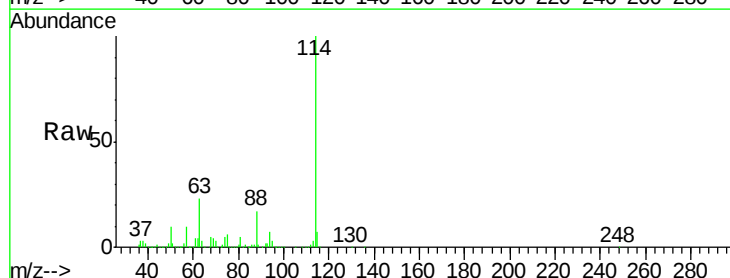


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

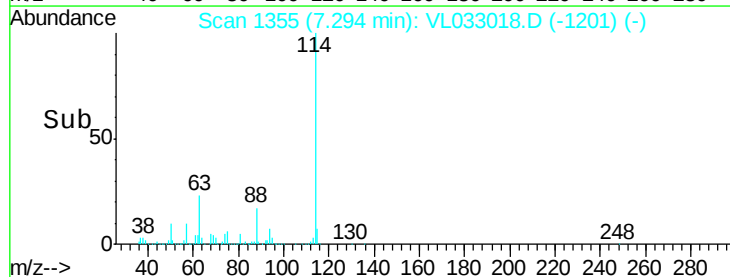
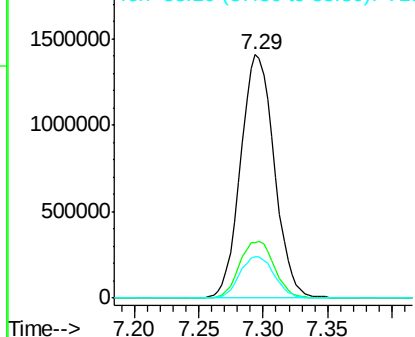


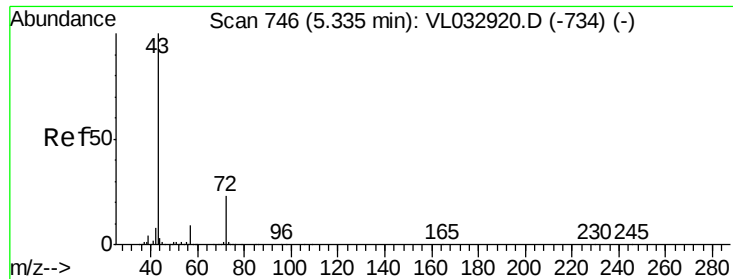
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	20.1	30.1
88	17.6	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





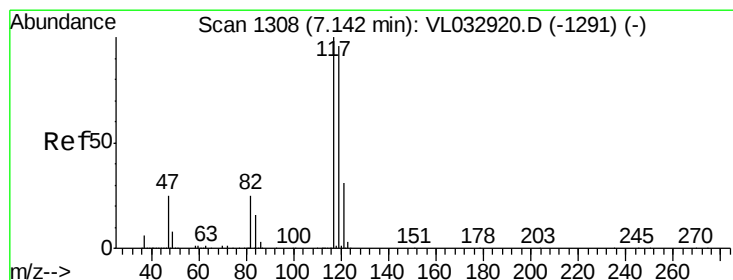
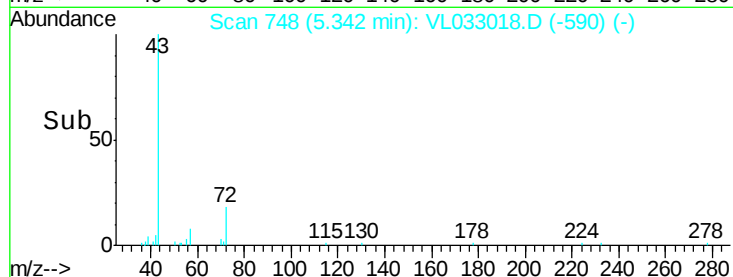
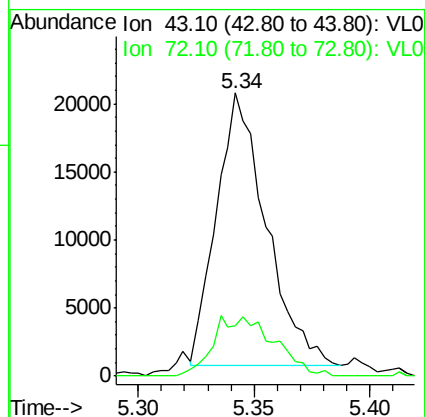
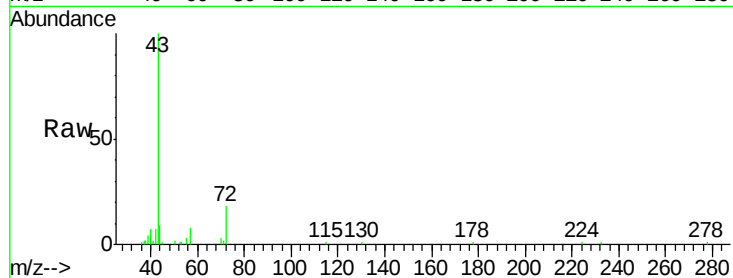
#34
2-Butanone
Concen: 0.268 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5

Tot Ion: 43 Resp: 29944
Ion Ratio Lower Upper
43 100
72 26.9 18.8 28.2

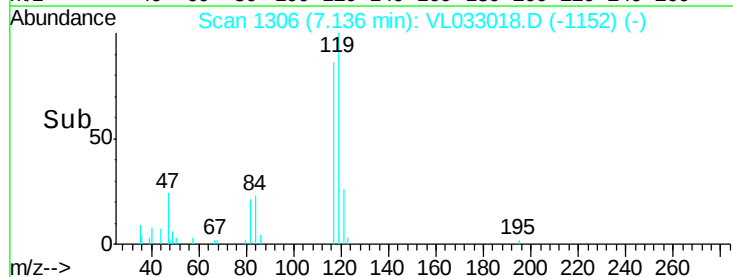
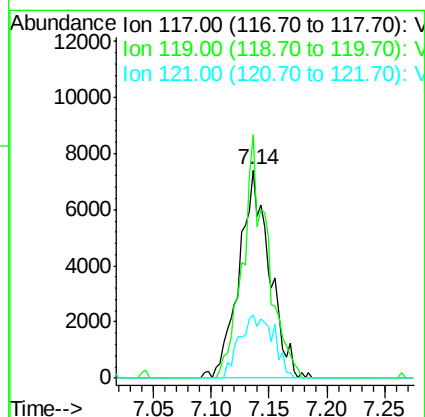
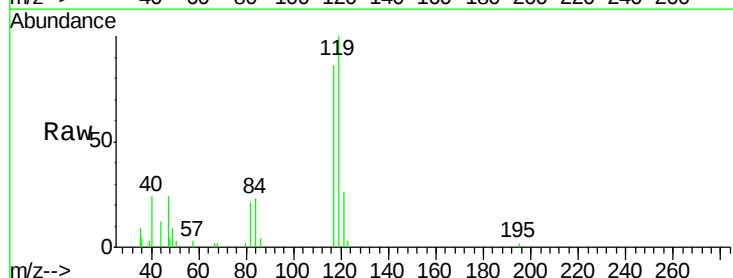
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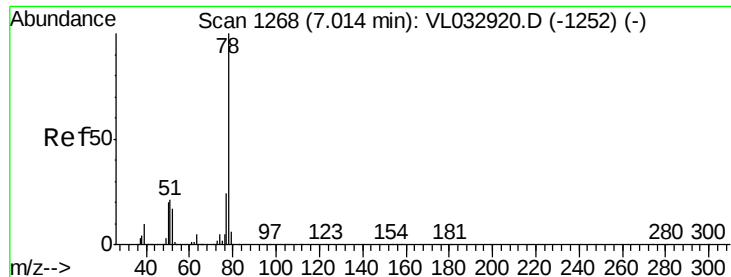
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#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Tgt Ion: 117 Resp: 13479
Ion Ratio Lower Upper
117 100
119 116.9 76.5 114.7#
121 30.6 24.5 36.7





#36

Benzene

Concen: 0.388 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL033018.D

Acq: 18 Dec 2018 5:46

Instrument :

MSVOA_L

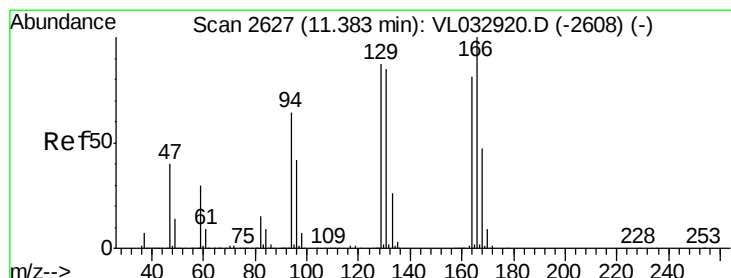
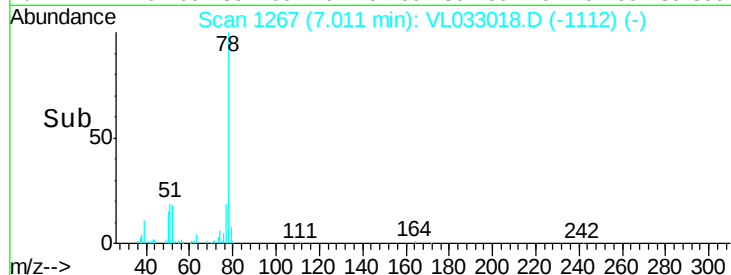
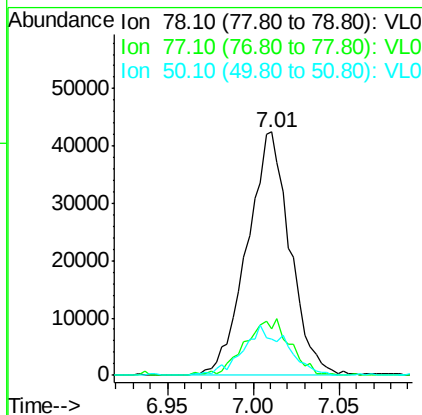
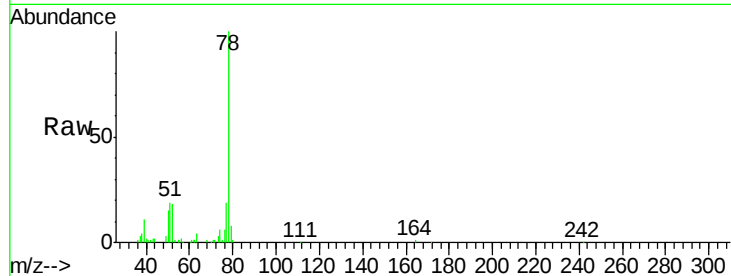
ClientSampleId :

YT-PL-LTM5

Tot Ion:	78	Resp:	73204
Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.9	28.3
50	15.2	16.1	24.1#

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#52

Tetrachloroethene

Concen: 0.041 ppbv m

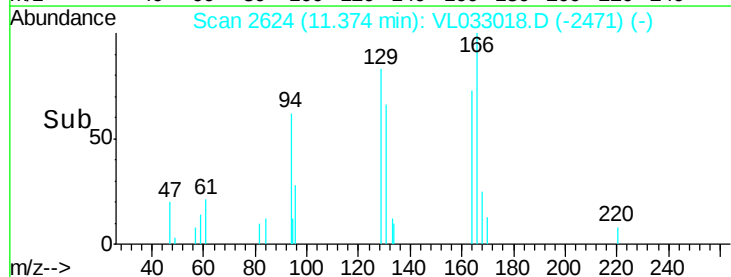
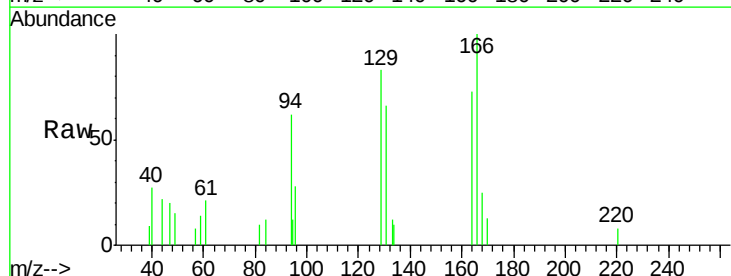
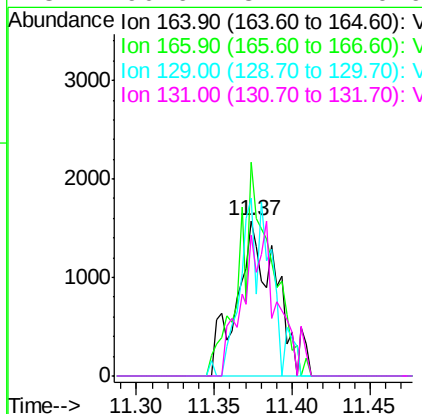
RT: 11.37 min Scan# 2624

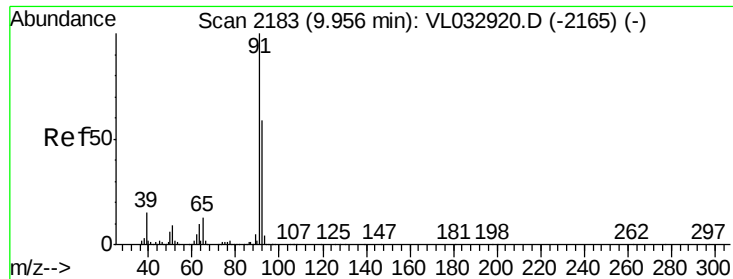
Delta R.T. -0.01 min

Lab File: VL033018.D

Acq: 18 Dec 2018 5:46

Tgt Ion:	164	Resp:	2792
Ion	Ratio	Lower	Upper
164	100		
166	137.6	98.8	148.2
129	114.7	85.5	128.3
131	90.6	84.4	126.6





#53

Toluene

Concen: 2.400 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033018.D

Acq: 18 Dec 2018 5:46

Instrument :

MSVOA_L

ClientSampled :

YT-PL-LTM5

Tot Ion: 91 Resp: 479999

Ion Ratio Lower Upper

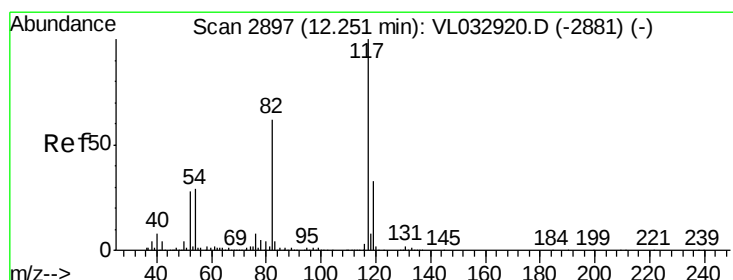
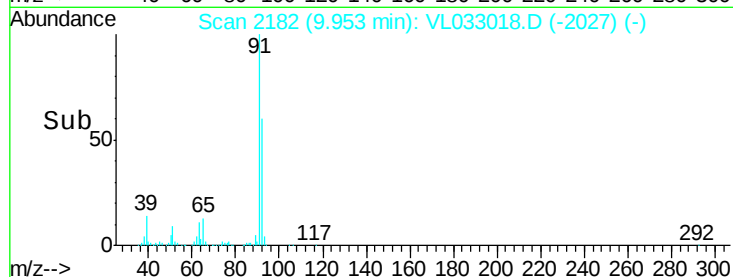
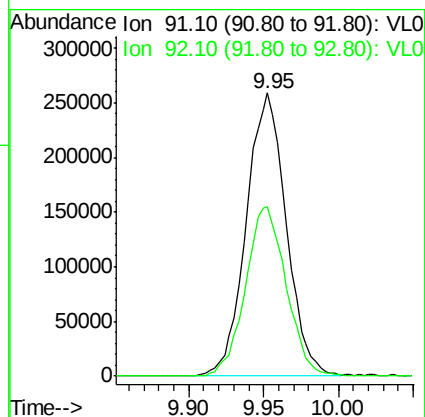
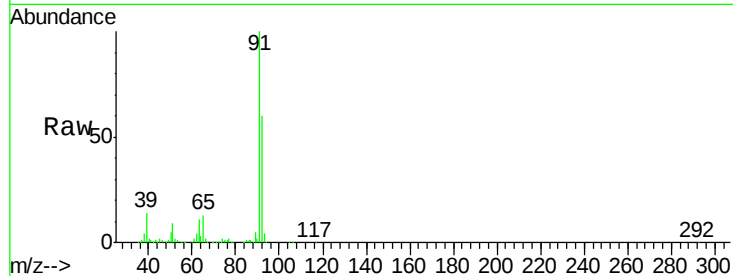
91 100

92 61.1 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL033018.D

Acq: 18 Dec 2018 5:46

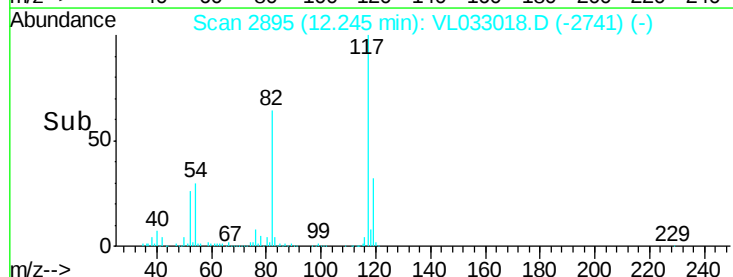
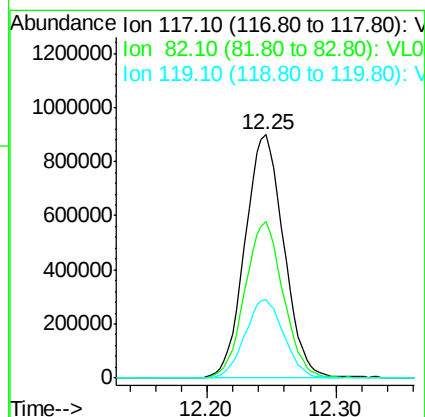
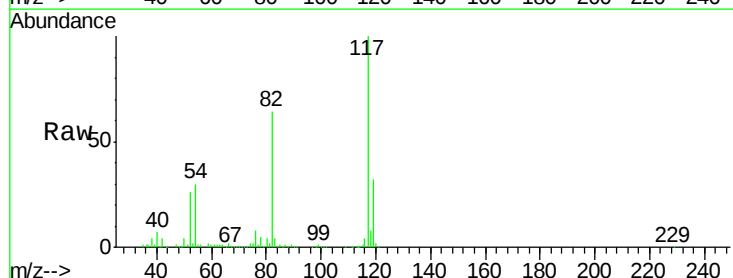
Tgt Ion: 117 Resp: 1886164

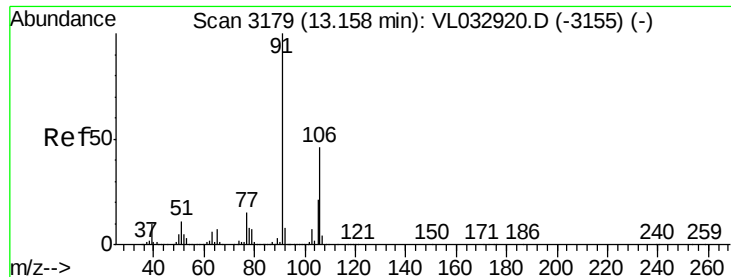
Ion Ratio Lower Upper

117 100

82 64.2 47.8 71.8

119 32.7 43.1 64.7#





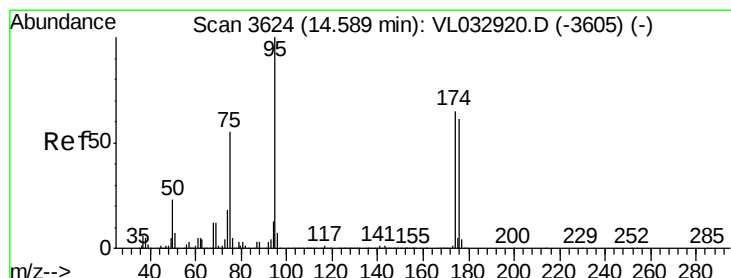
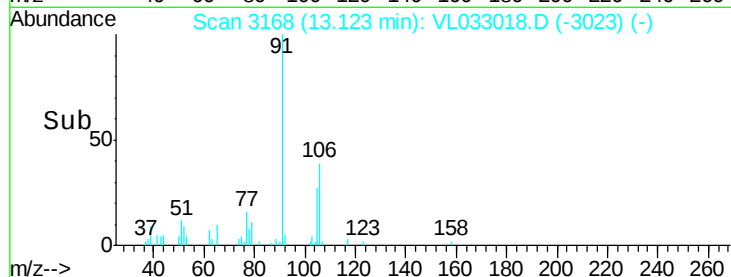
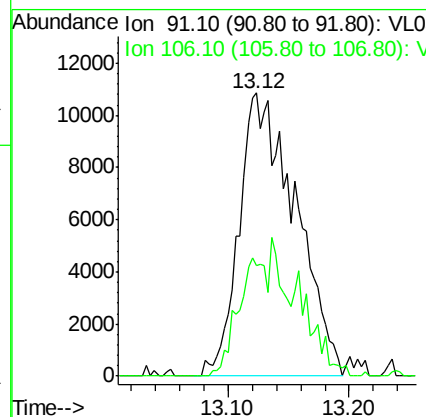
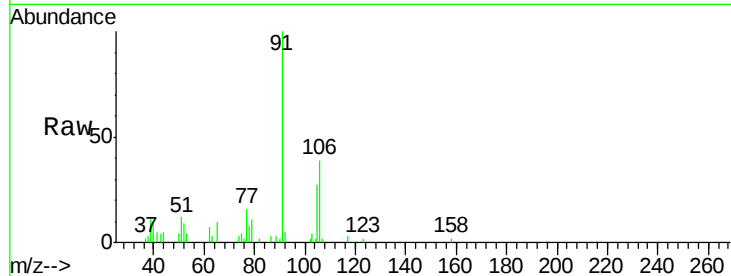
#59
m/p-Xylene
Concen: 0.192 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Instrument :
MSVOA_L
ClientSampleId :
YT-PL-LTM5

Tot Ion: 91 Resp: 35055
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 14.444 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033018.D
Acq: 18 Dec 2018 5:46

Tgt Ion: 95 Resp: 2012743
Ion Ratio Lower Upper
95 100
174 66.8 51.4 77.0
175 5.0 3.8 5.6

