

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073019\
 Data File : VX011203.D
 Acq On : 30 Jul 2019 18:27
 Operator : JC/SP
 Sample : K4026-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0673DL

Manual Integrations
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 7/31/2019 10:53:54 AM

Quant Time: Jul 31 09:02:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	213907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305462	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134145	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	104420	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
35) Dibromofluoromethane	5.50	113	88962	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.76%	
50) Toluene-d8	8.71	98	355112	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.13	95	122879	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.94%	
Target Compounds						
4) Vinyl Chloride	1.41	62	5743	2.862	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	3550	1.756	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	6008	2.568	ug/l	92
40) Benzene	6.15	78	11703	1.523	ug/l	94
65) Chlorobenzene	10.13	112	238611	41.838	ug/l	99
67) Ethyl Benzene	10.26	91	3095	0.319	ug/l	92
87) 1,3-Dichlorobenzene	12.02	146	1040	0.240	ug/l	91
88) 1,4-Dichlorobenzene	12.10	146	8120m	1.825	ug/l	

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

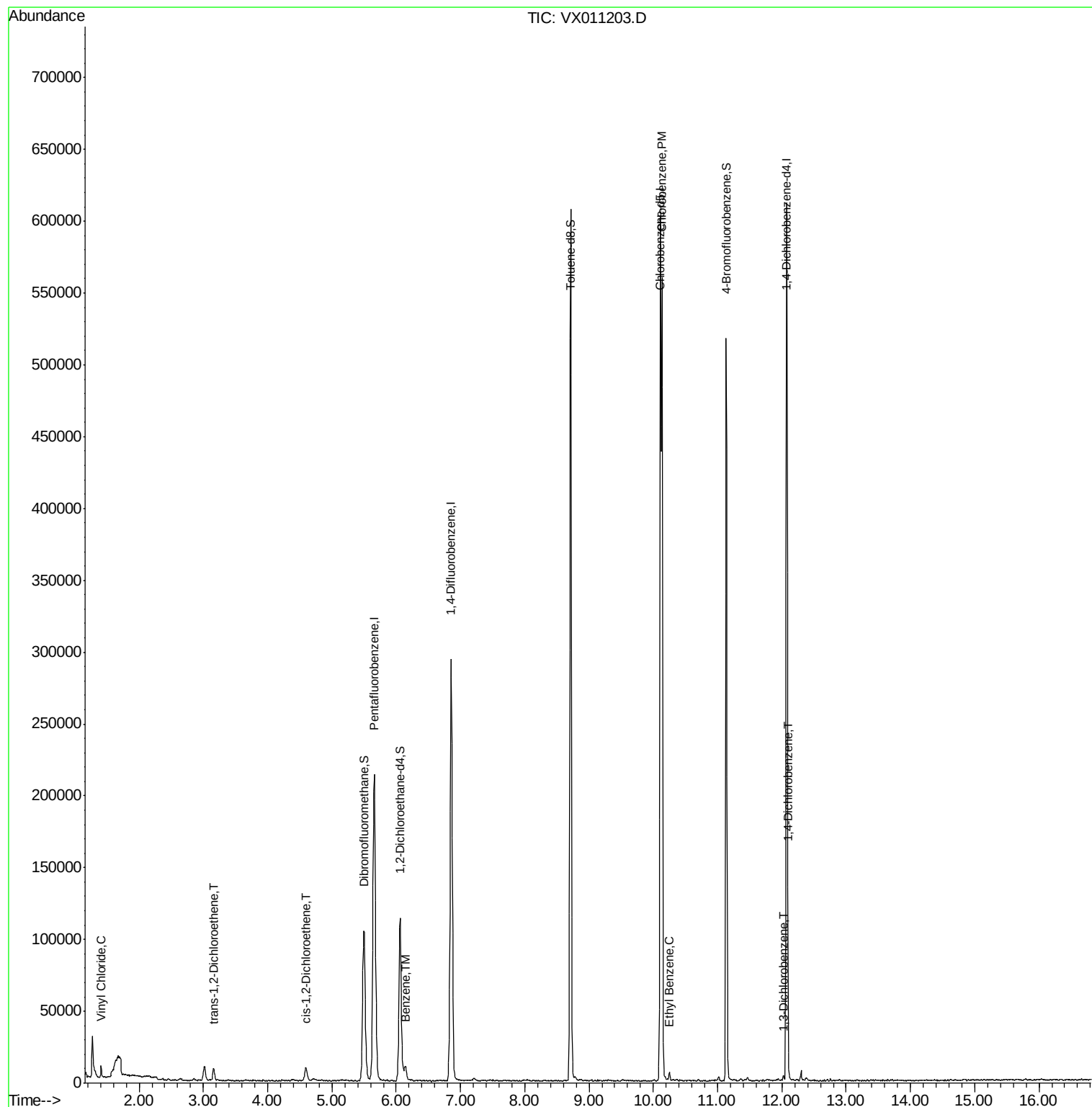
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073019\
Data File : VX011203.D
Acq On : 30 Jul 2019 18:27
Operator : JC/SP
Sample : K4026-05DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

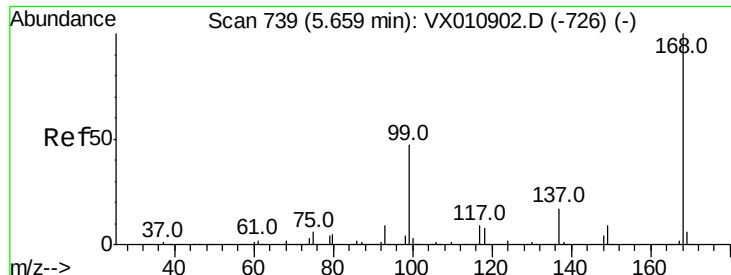
Instrument :
MSVOA_X
ClientSampleID :
Z3-0673DL

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Quant Time: Jul 31 09:02:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011203.D

Acq: 30 Jul 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0673DL

Tot Ion:168 Resp: 213907

Ion Ratio Lower Upper

168 100

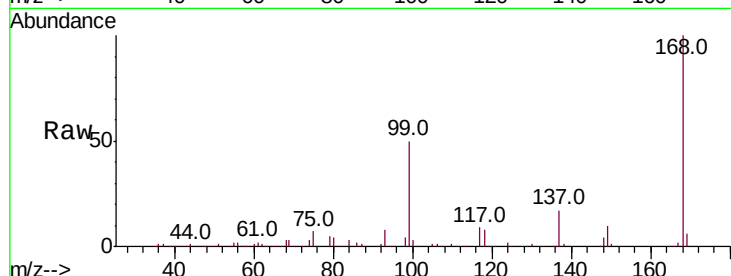
99 50.5 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

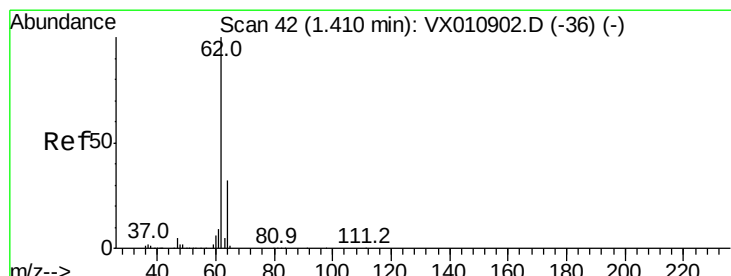
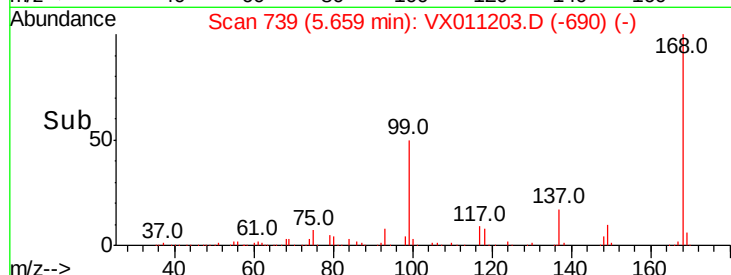
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 2.862 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011203.D

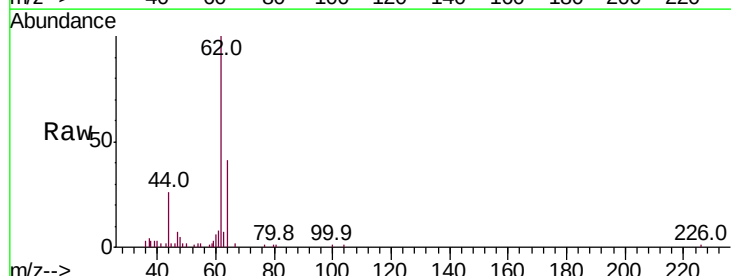
Acq: 30 Jul 2019 18:27

Tgt Ion: 62 Resp: 5743

Ion Ratio Lower Upper

62 100

64 37.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

5000

4000

3000

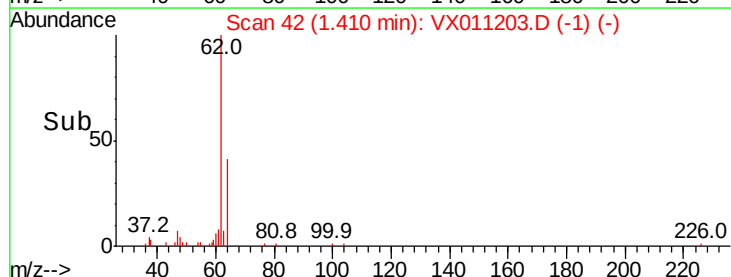
2000

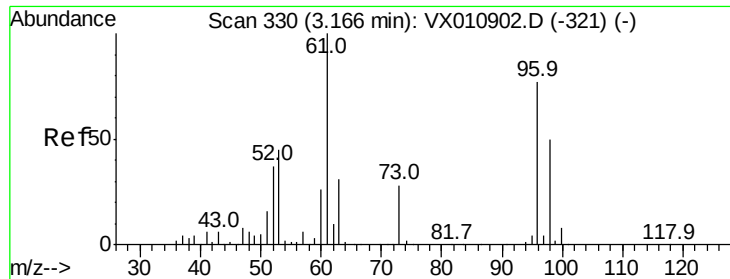
1000

0

Time-->

1.35 1.40 1.45 1.50





#21

trans-1,2-Dichloroethene

Concen: 1.756 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX011203.D

Acq: 30 Jul 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0673DL

Tot Ion: 96 Resp: 3550

Ion Ratio Lower Upper

96 100

61 124.9 104.2 156.2

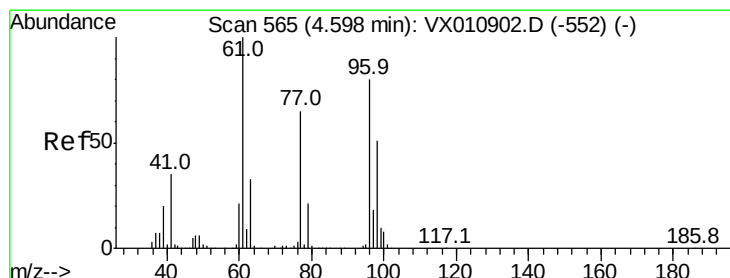
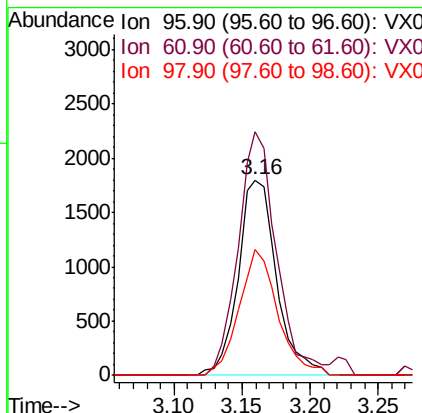
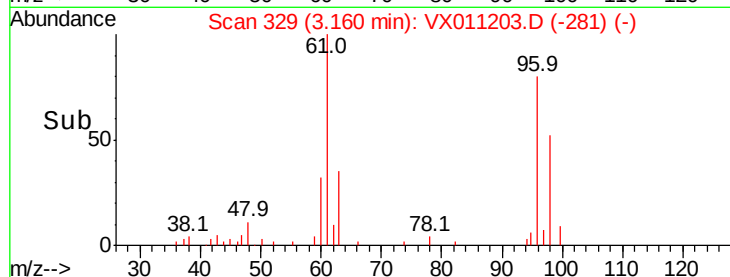
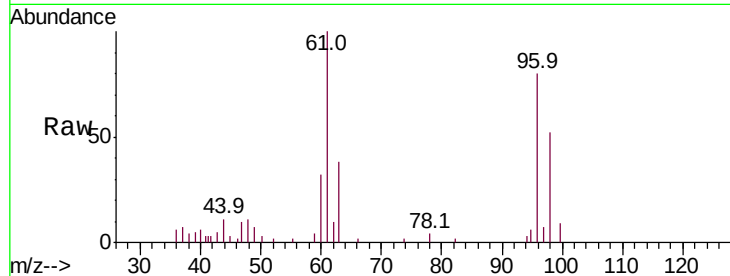
98 64.6 52.2 78.4

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 2.568 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX011203.D

Acq: 30 Jul 2019 18:27

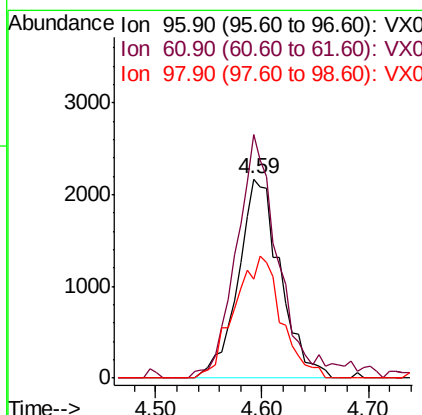
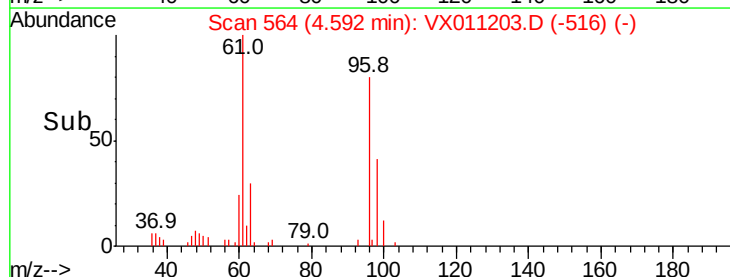
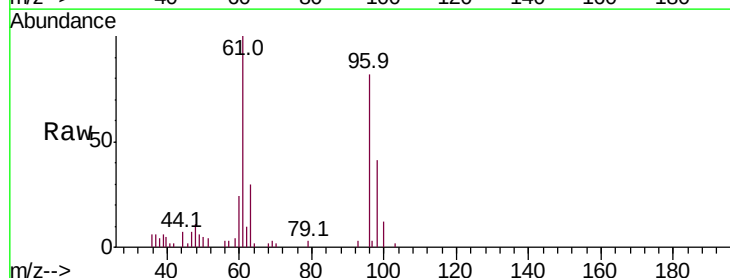
Tgt Ion: 96 Resp: 6008

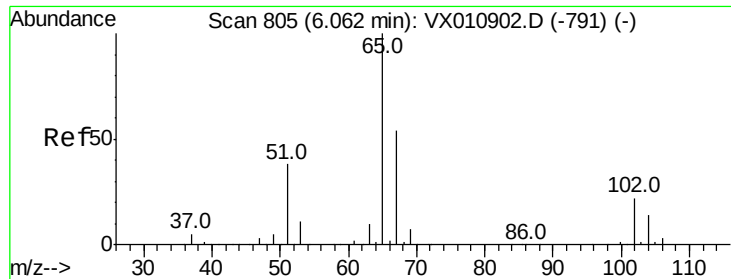
Ion Ratio Lower Upper

96 100

61 121.7 0.0 269.0

98 68.5 0.0 131.4





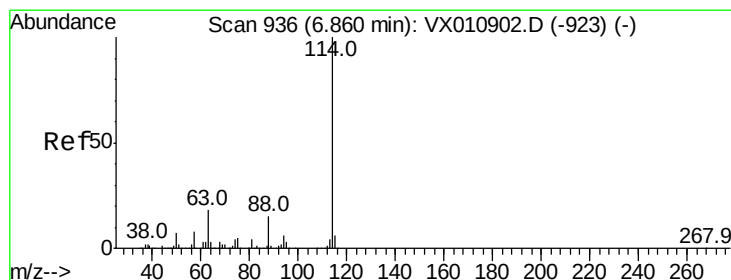
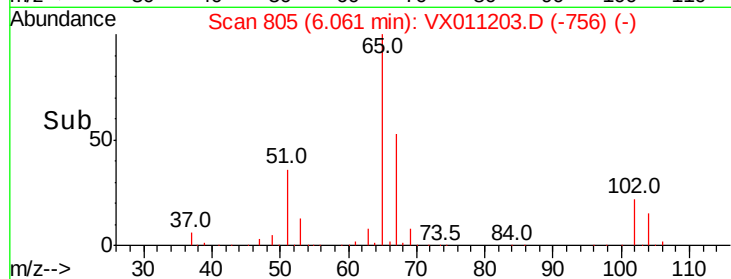
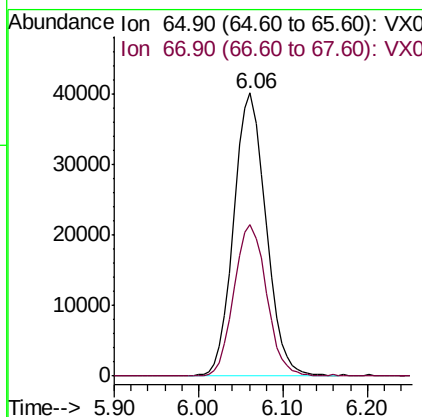
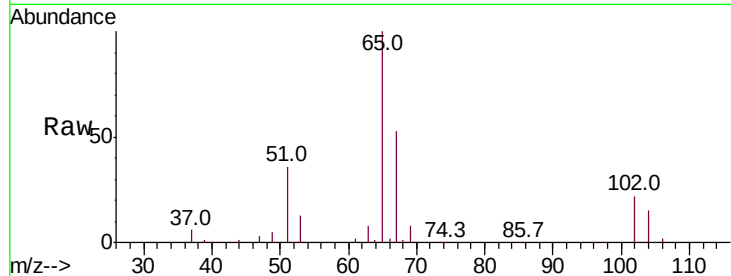
#33
 1,2-Dichloroethane-d4
 Concen: 45.886 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011203.D
 Acq: 30 Jul 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0673DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104420		
67	53.8	0.0	107.8	

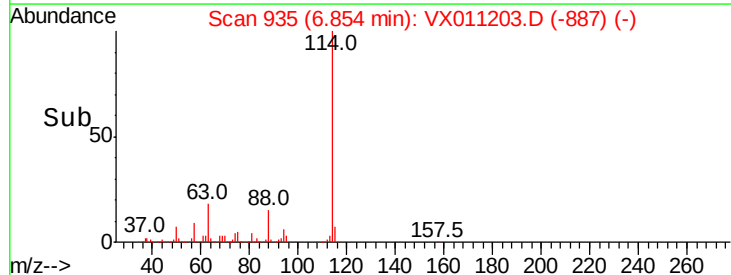
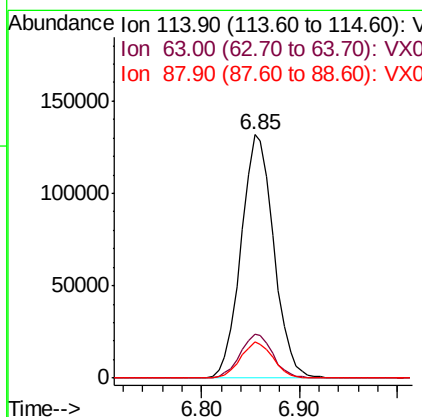
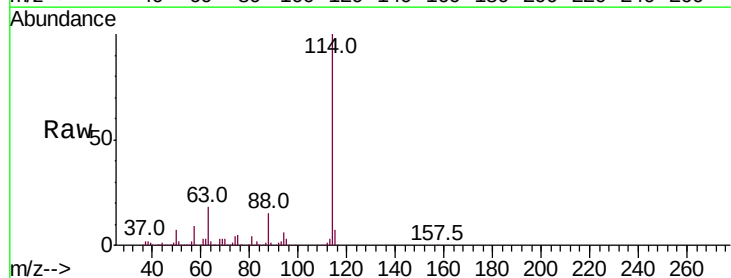
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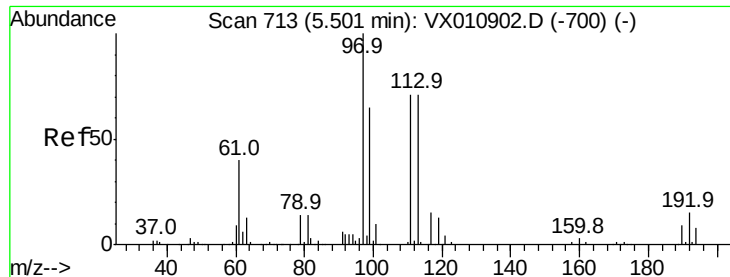
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX011203.D
 Acq: 30 Jul 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	305462		
63	18.3	0.0	35.6	
88	14.7	0.0	29.8	





#35

Dibromofluoromethane

Concen: 45.884 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011203.D

Acq: 30 Jul 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

Z3-0673DL

Tot Ion:113 Resp: 88962

Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

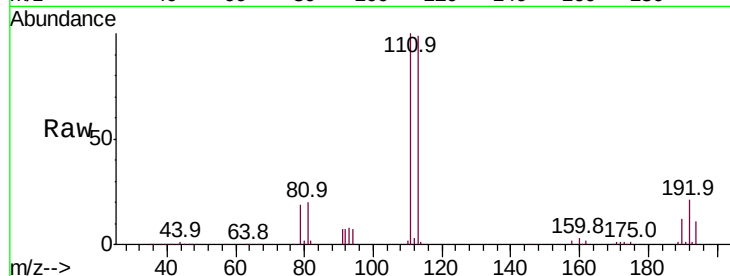
192 21.6 17.4 26.2

Manual Integrations

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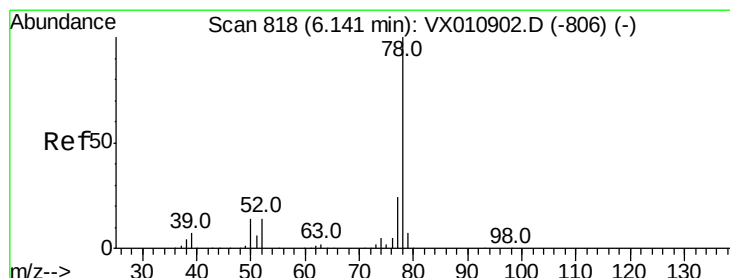
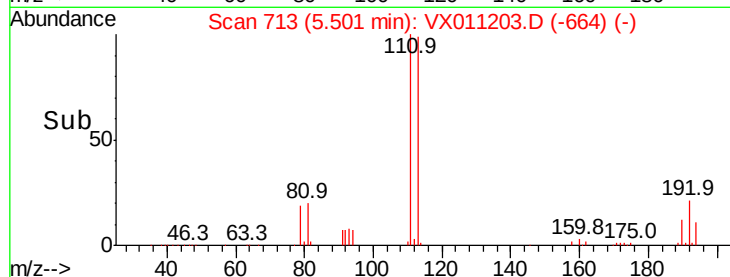
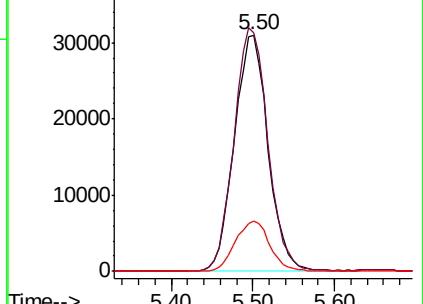
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#40

Benzene

Concen: 1.523 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX011203.D

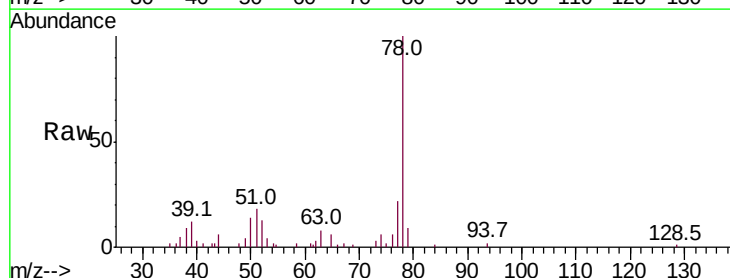
Acq: 30 Jul 2019 18:27

Tgt Ion: 78 Resp: 11703

Ion Ratio Lower Upper

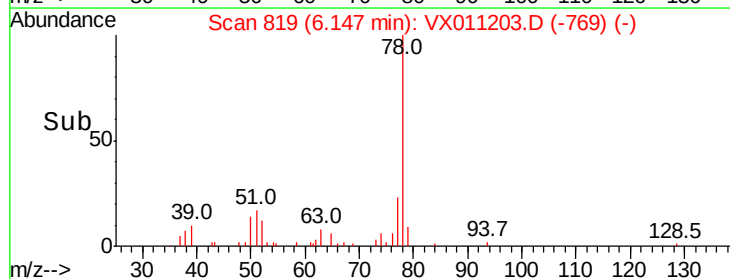
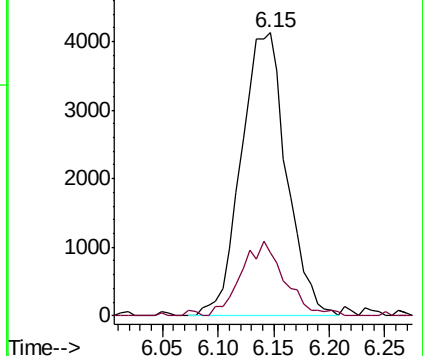
78 100

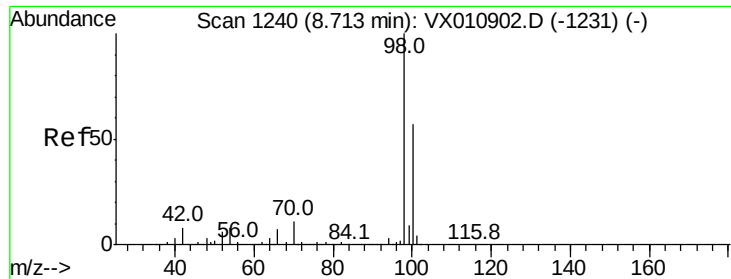
77 20.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





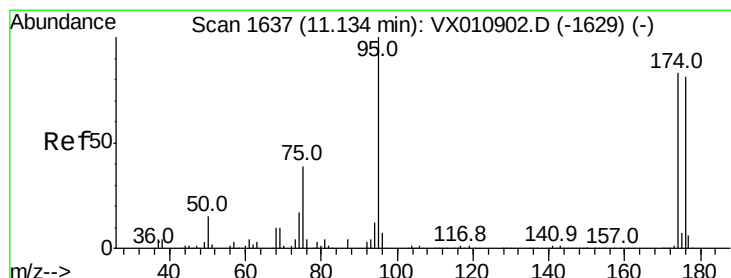
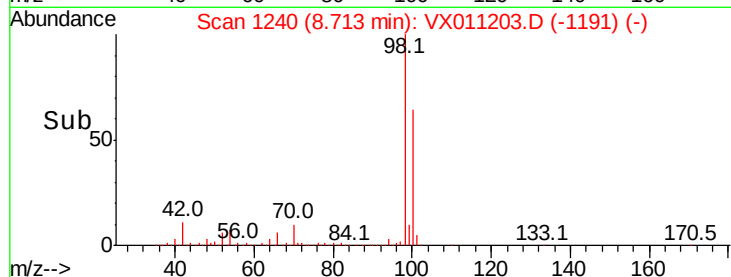
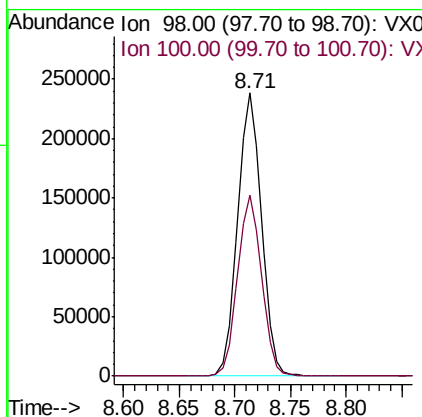
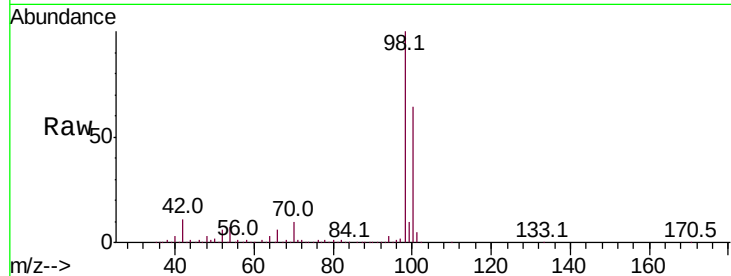
#50
Toluene-d8
Concen: 48.834 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011203.D
Acq: 30 Jul 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
Z3-0673DL

Tot Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.6	75.8

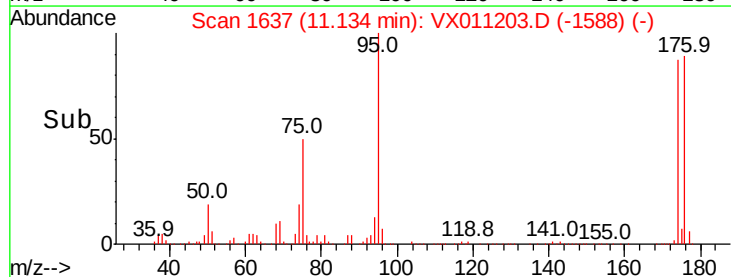
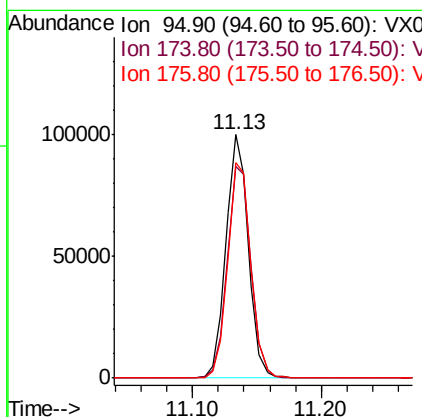
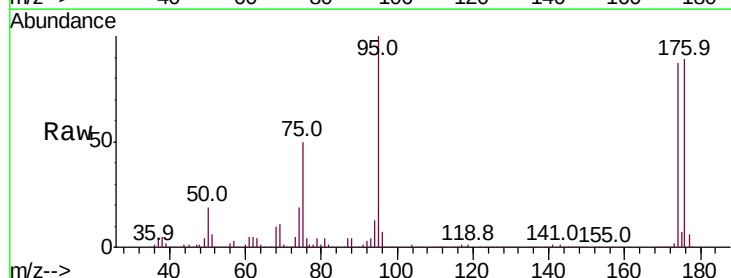
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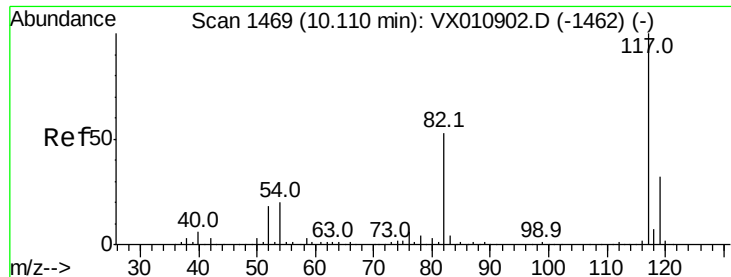
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#62
4-Bromofluorobenzene
Concen: 45.972 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011203.D
Acq: 30 Jul 2019 18:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	180.6
176	90.8	0.0	173.8





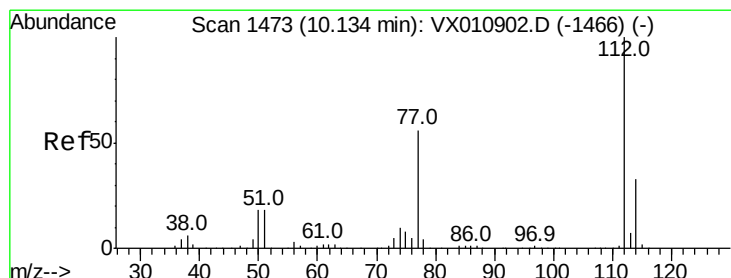
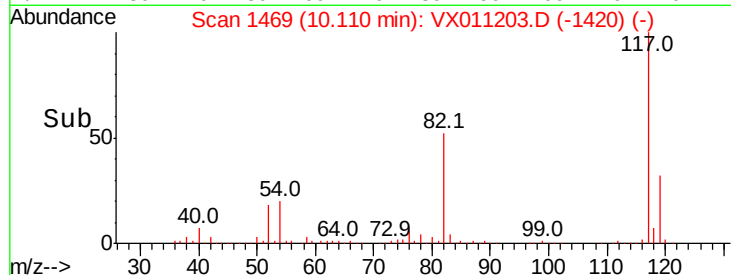
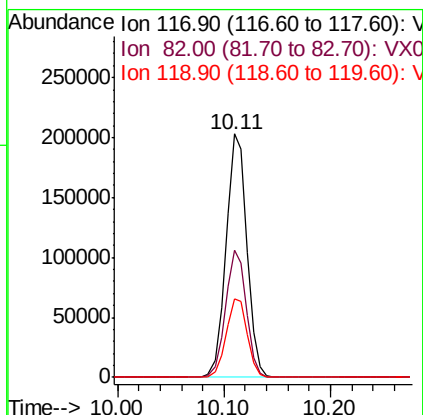
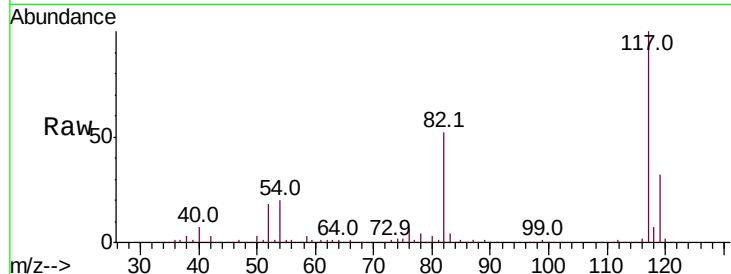
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011203.D
Acq: 30 Jul 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
Z3-0673DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.6	63.8
119	32.4	25.9	38.9

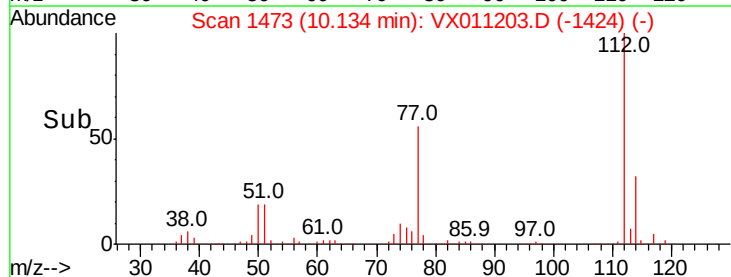
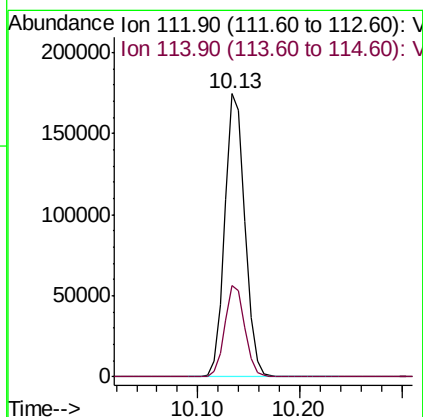
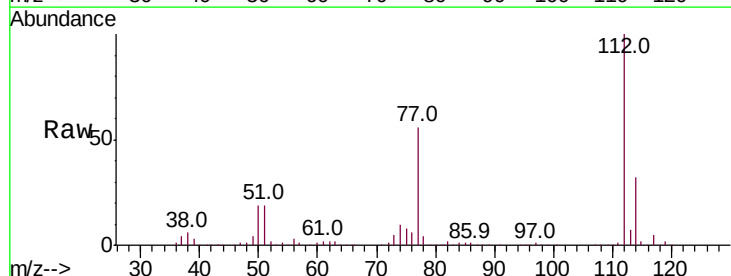
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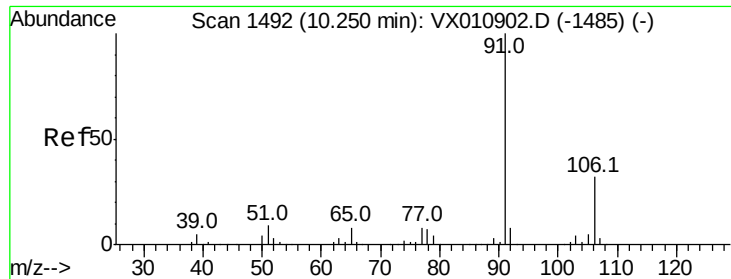
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#65
Chlorobenzene
Concen: 41.838 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011203.D
Acq: 30 Jul 2019 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.2	39.4





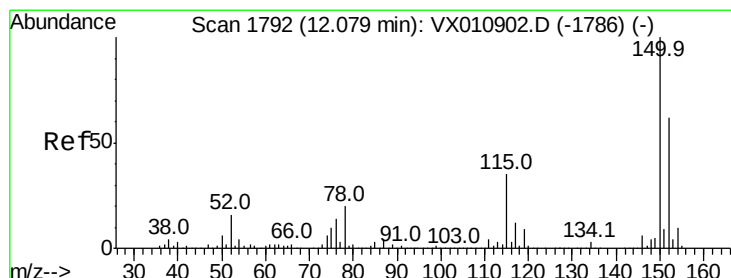
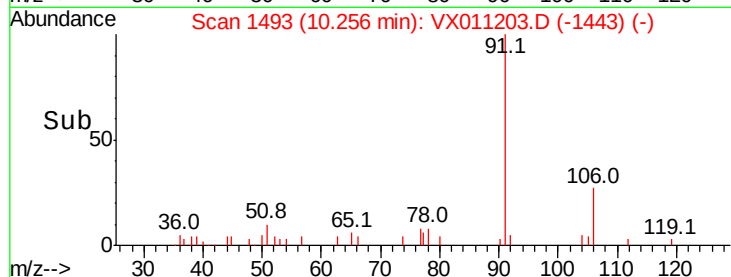
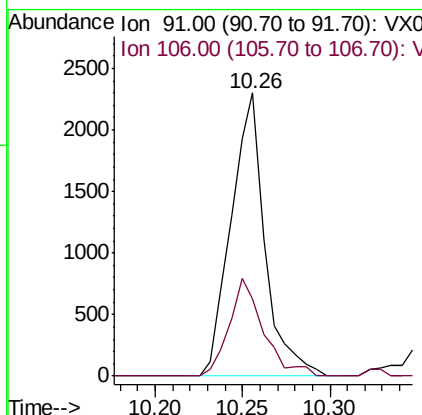
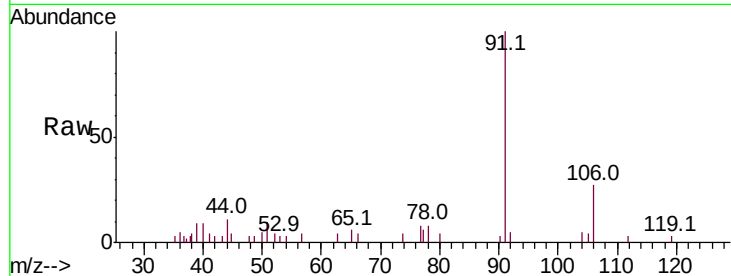
#67
Ethyl Benzene
Concen: 0.319 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX011203.D
Acq: 30 Jul 2019 18:27

Instrument :
MSVOA_X
ClientSampled :
Z3-0673DL

Tot Ion: 91 Resp: 3095
Ion Ratio Lower Upper
91 100
106 27.2 25.4 38.2

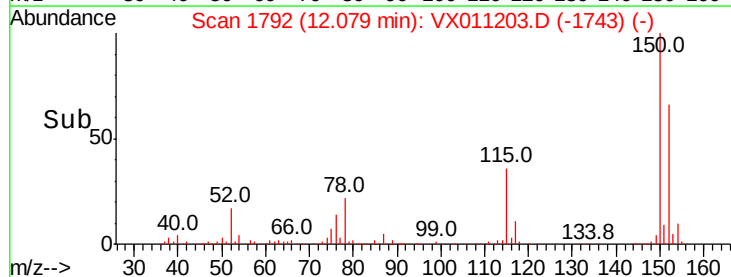
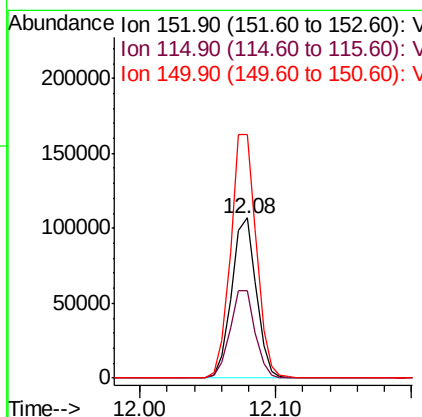
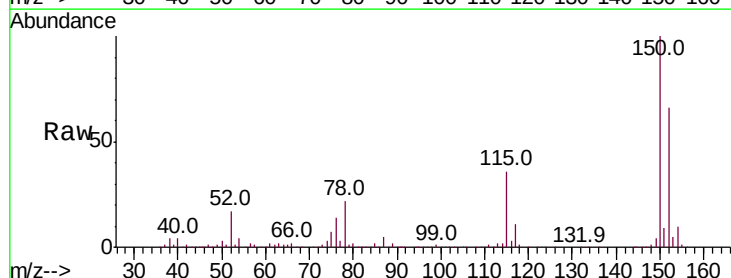
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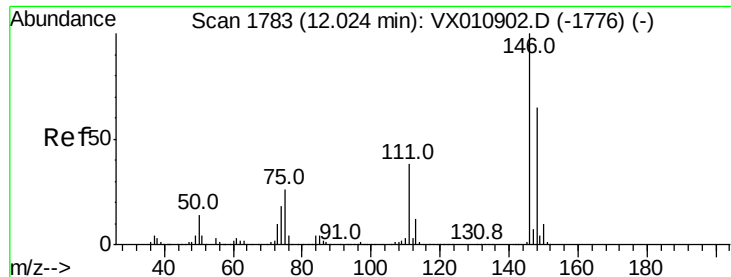
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011203.D
Acq: 30 Jul 2019 18:27

Tgt Ion: 152 Resp: 134145
Ion Ratio Lower Upper
152 100
115 56.1 39.7 119.1
150 158.3 0.0 345.6





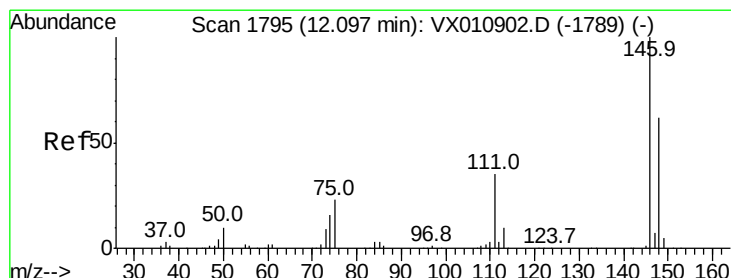
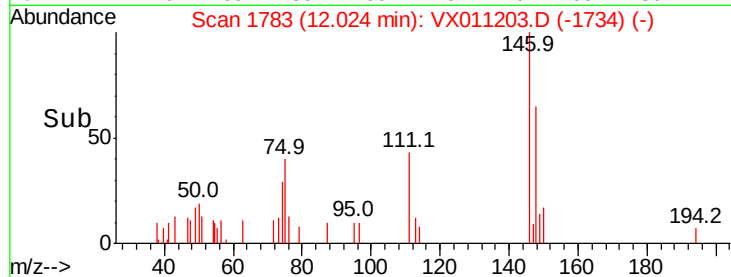
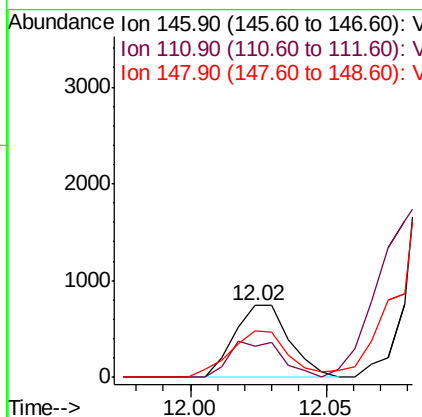
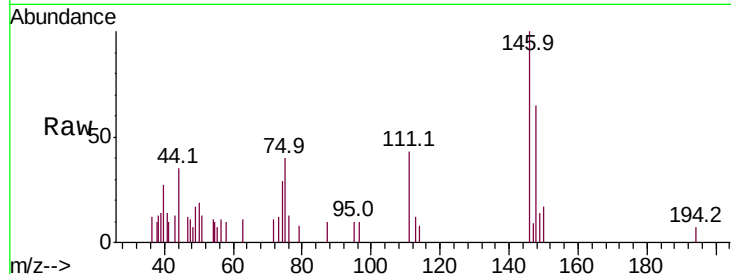
#87
 1,3-Dichlorobenzene
 Concen: 0.240 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011203.D
 Acq: 30 Jul 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0673DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	18.9	56.9
148	68.9	32.2	96.6

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:53:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.825 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011203.D
 Acq: 30 Jul 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	6.0	18.6	55.8#
148	8.8	31.6	94.7#

