

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093019\
 Data File : VX012699.D
 Acq On : 30 Sep 2019 12:49
 Operator : JC/SP
 Sample : K5081-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ143I-20190925

Manual Integrations
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 10/1/2019 10:07:44 AM

Quant Time: Oct 01 04:22:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	171142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294718	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94099	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	117784	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
35) Dibromofluoromethane	5.49	113	89716	51.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.24%	
50) Toluene-d8	8.71	98	345577	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	118113	44.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.88%	
Target Compounds						
6) Chloroethane	1.72	64	14324	9.669	ug/l	94
12) 1,1-Dichloroethene	2.36	96	11086	6.025	ug/l	97
16) Acetone	2.43	43	10793	8.176	ug/l	99
24) 1,1-Dichloroethane	3.69	63	356194	92.893	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	19500	5.609	ug/l	97
64) Tetrachloroethene	9.33	164	1614	0.926	ug/l	94
85) sec-Butylbenzene	11.94	105	8772	1.216	ug/l	88
87) 1,3-Dichlorobenzene	12.02	146	1407	0.451	ug/l	87
88) 1,4-Dichlorobenzene	12.09	146	5221m	1.655	ug/l	

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

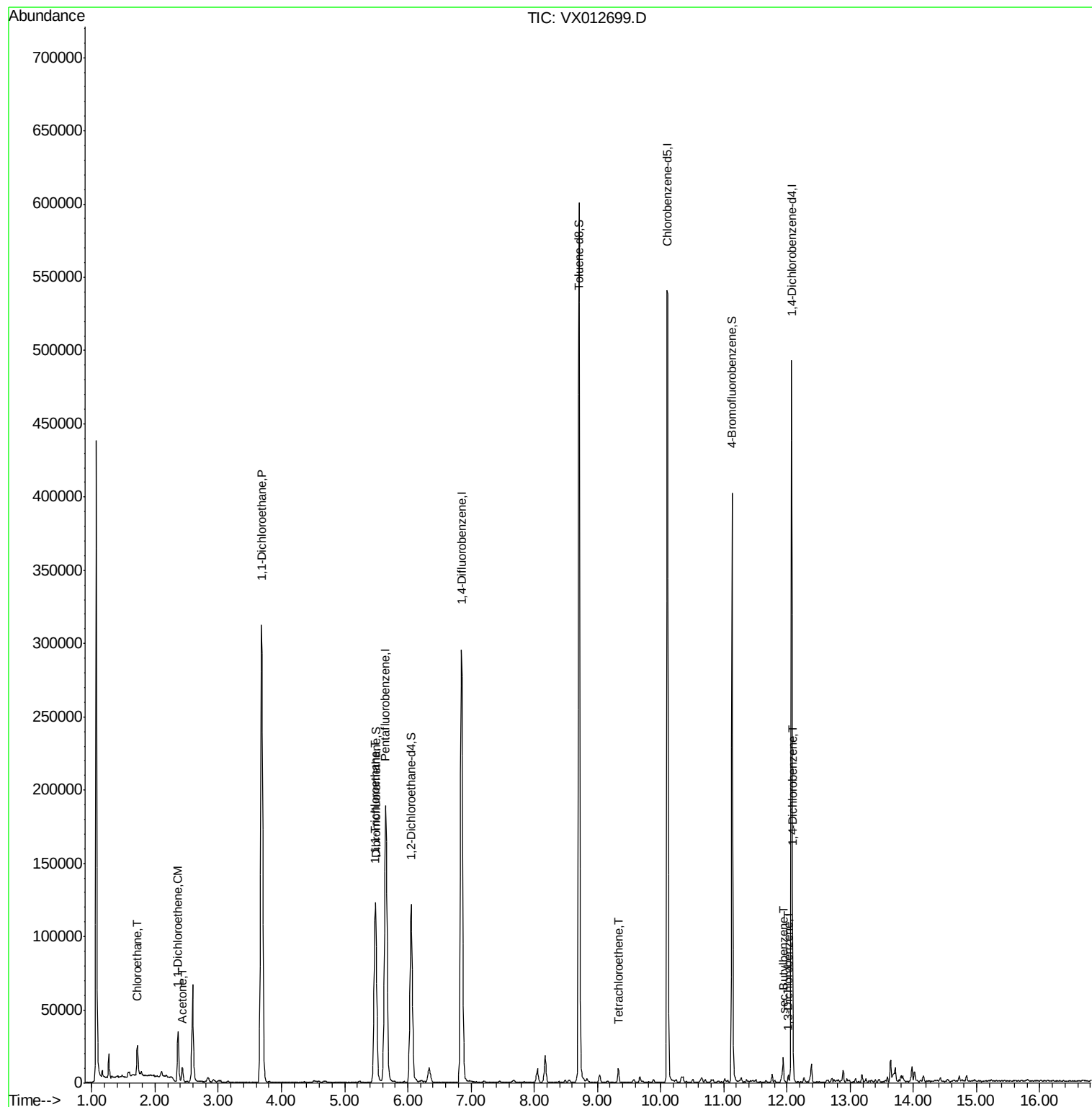
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX093019\
Data File : VX012699.D
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Operator : JC/SP
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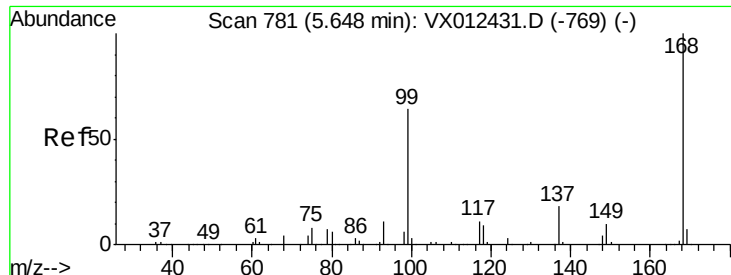
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ143I-20190925

Manual Integrations
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Quant Time: Oct 01 04:22:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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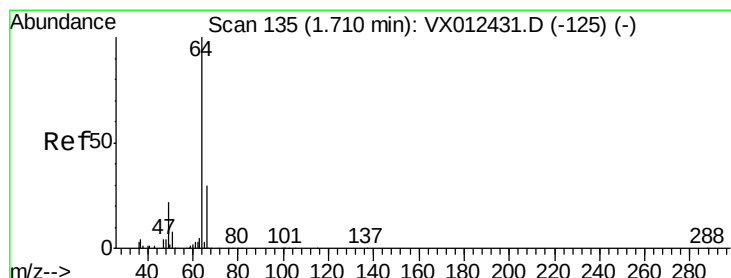
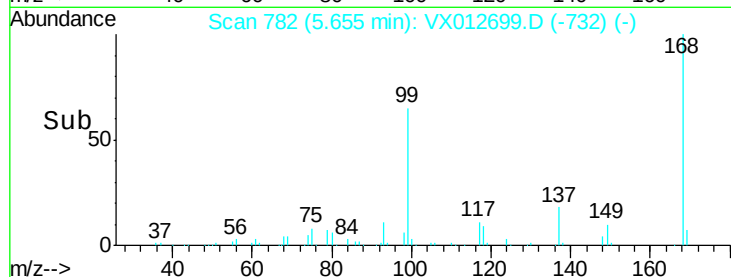
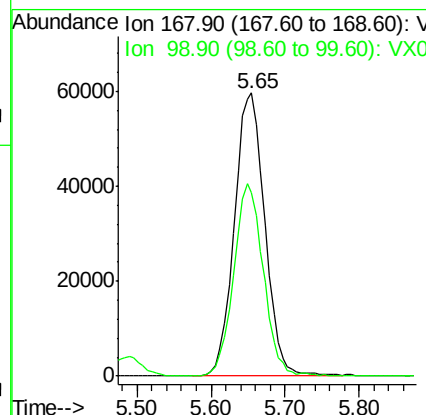
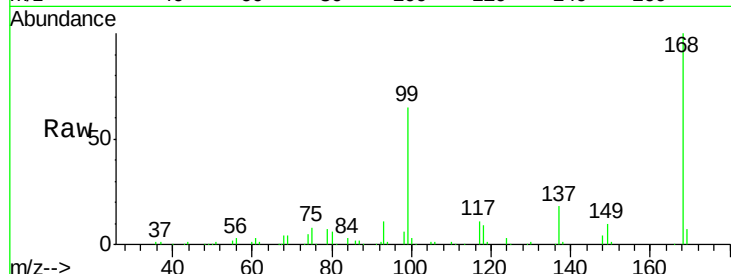
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX012699.D
Acq: 30 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ143I-20190925

Tot Ion	Ratio	Resp	Lower	Upper
168	100	171142		
99	65.1	51.4	77.2	

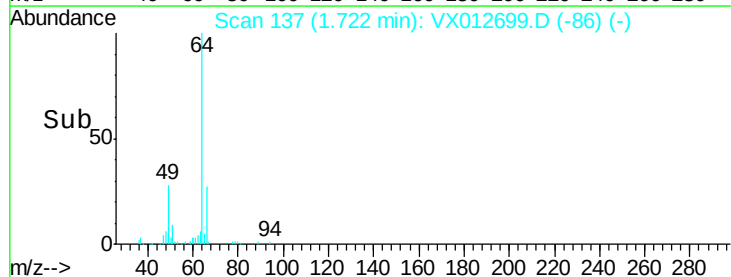
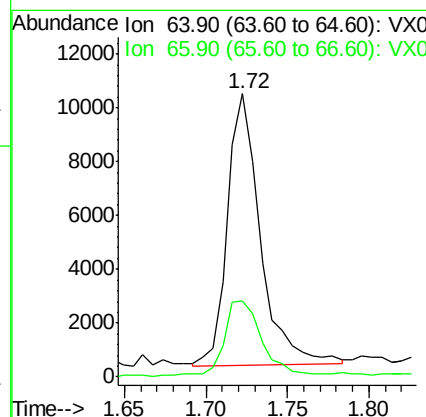
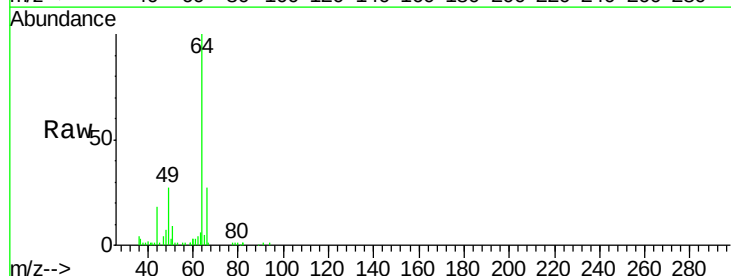
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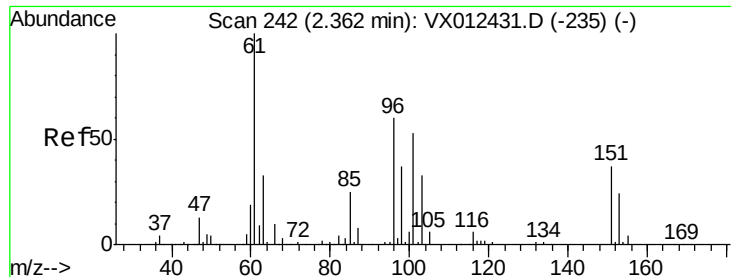
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#6
Chloroethane
Concen: 9.669 ug/l
RT: 1.72 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX012699.D
Acq: 30 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
64	100	14324		
66	26.7	24.0	36.0	





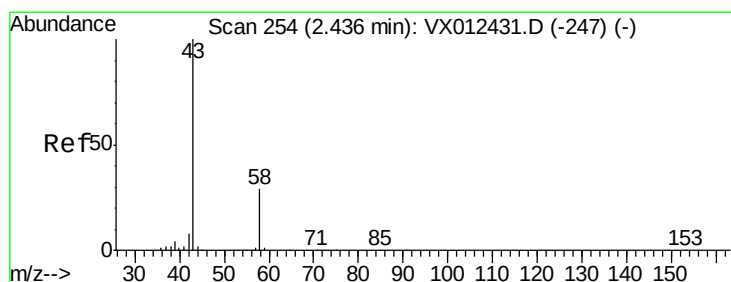
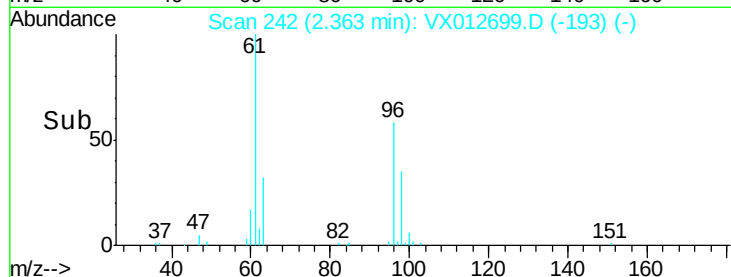
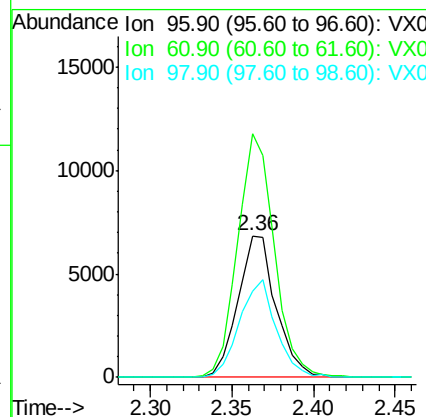
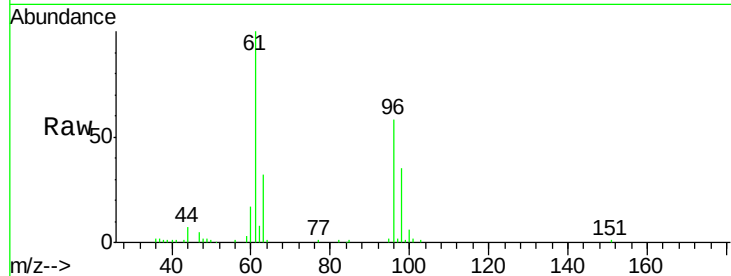
#12
1,1-Dichloroethene
Concen: 6.025 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012699.D
Acq: 30 Sep 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ143I-20190925

Tot Ion	96	Resp	11086
Ion	Ratio	Lower	Upper
96	100		
61	172.0	133.8	200.6
98	60.9	49.9	74.9

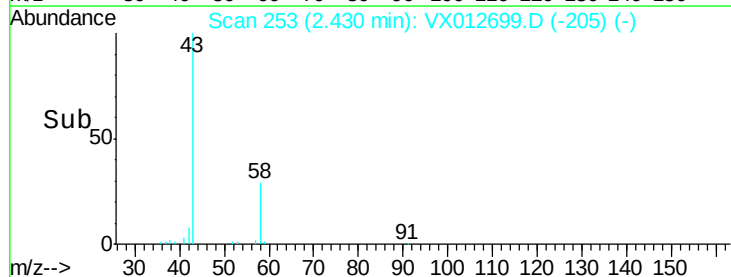
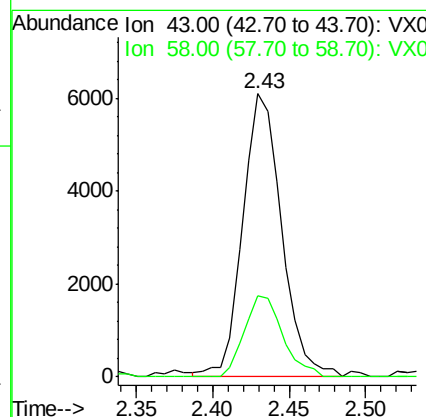
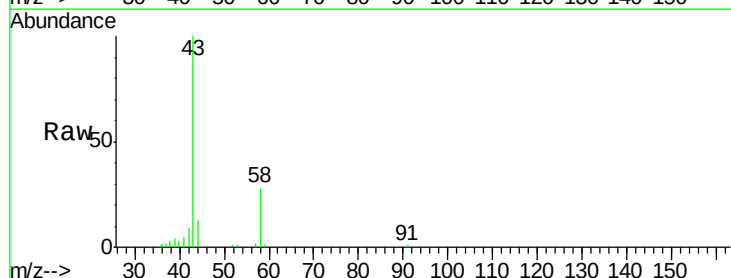
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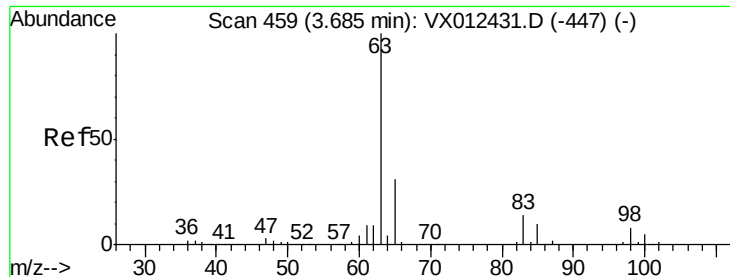
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#16
Acetone
Concen: 8.176 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012699.D
Acq: 30 Sep 2019 12:49

Tgt Ion	43	Resp	10793
Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.3	34.9





#24

1,1-Dichloroethane

Concen: 92.893 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012699.D

Acq: 30 Sep 2019 12:49

Instrument :

MSVOA_X

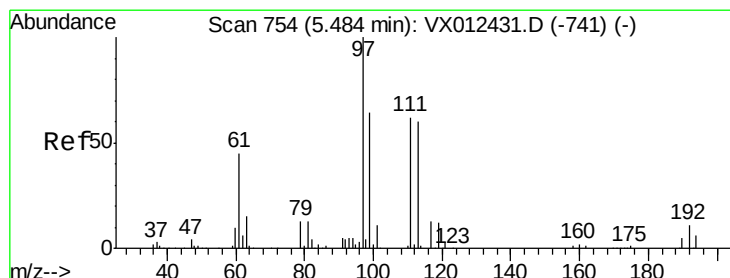
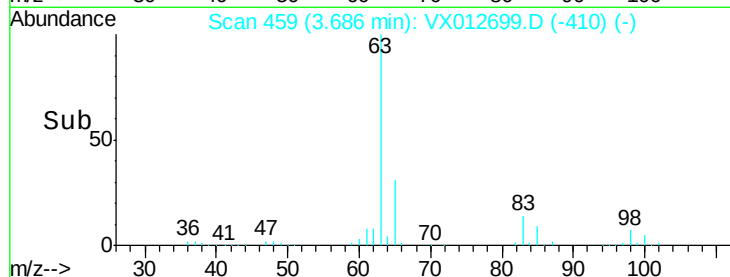
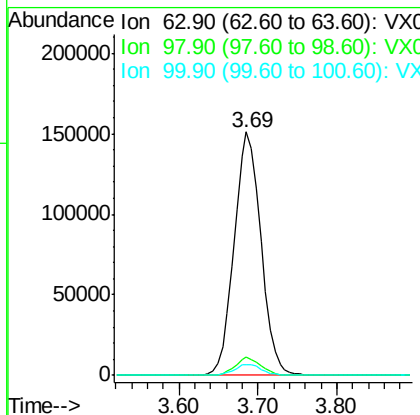
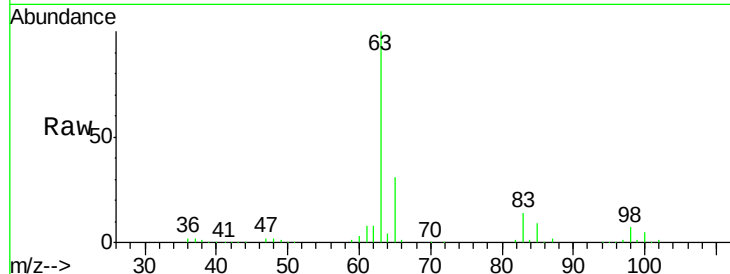
ClientSampleId :

SA-PZ143I-20190925

Tot Ion:	63	Resp:	356194
Ion Ratio		Lower	Upper
63	100		
98	7.4	3.9	11.7
100	4.5	2.3	6.9

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#32

1,1,1-Trichloroethane

Concen: 5.609 ug/l

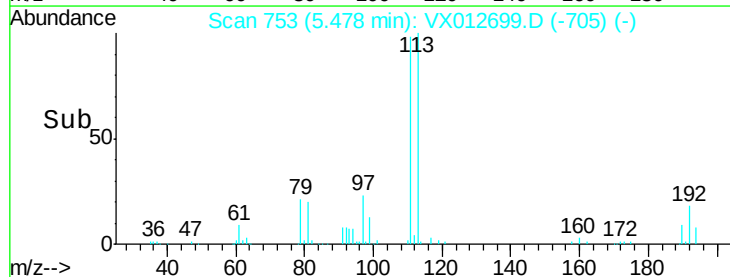
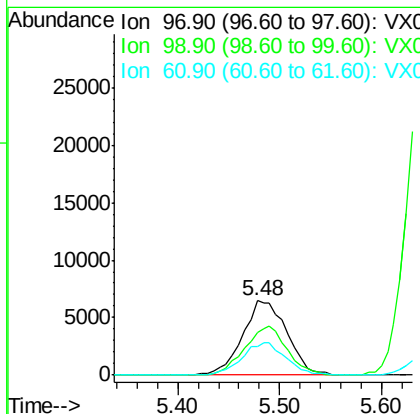
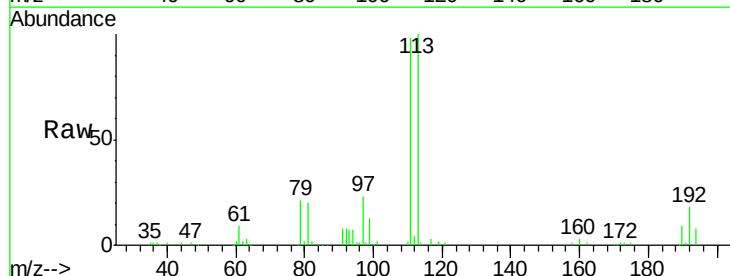
RT: 5.48 min Scan# 753

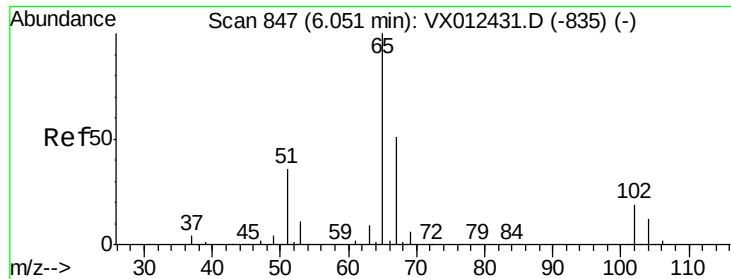
Delta R.T. -0.01 min

Lab File: VX012699.D

Acq: 30 Sep 2019 12:49

Tgt Ion:	97	Resp:	19500
Ion Ratio		Lower	Upper
97	100		
99	62.4	51.3	76.9
61	42.6	36.1	54.1





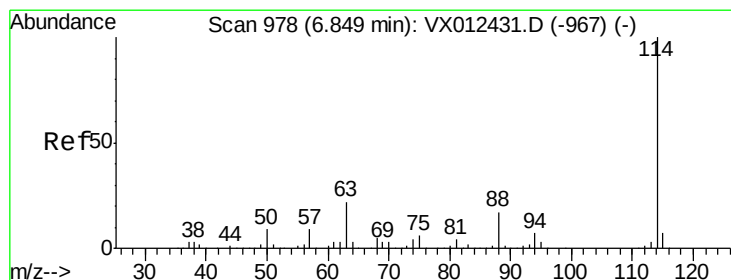
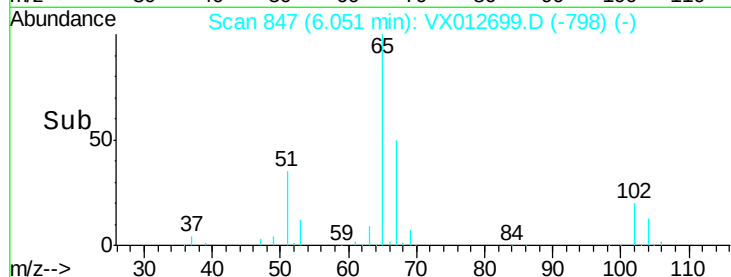
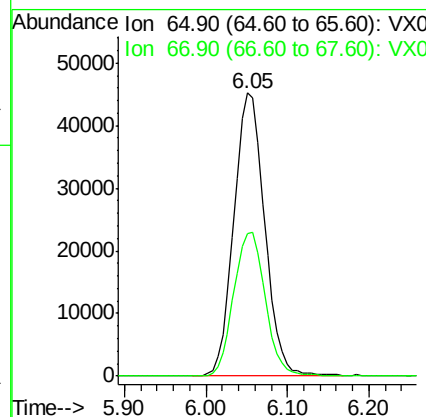
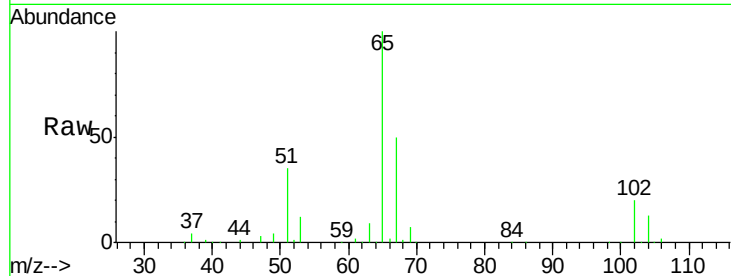
#33
 1,2-Dichloroethane-d4
 Concen: 47.262 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012699.D
 Acq: 30 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ143I-20190925

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117784		
67	52.0	0.0	101.2	

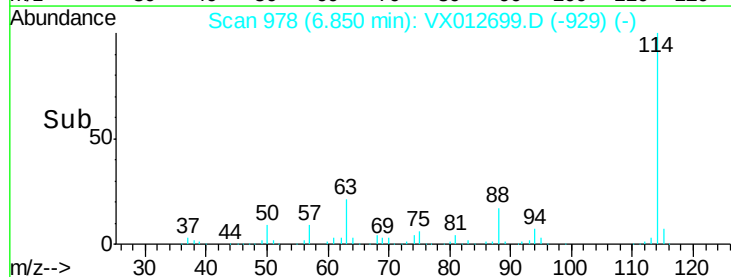
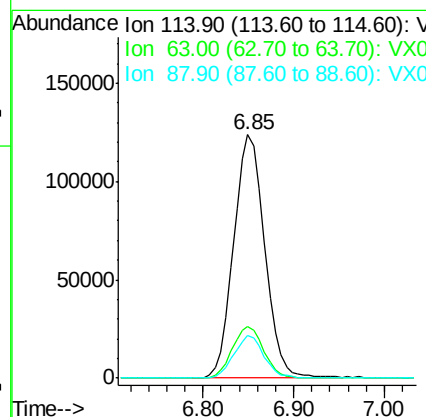
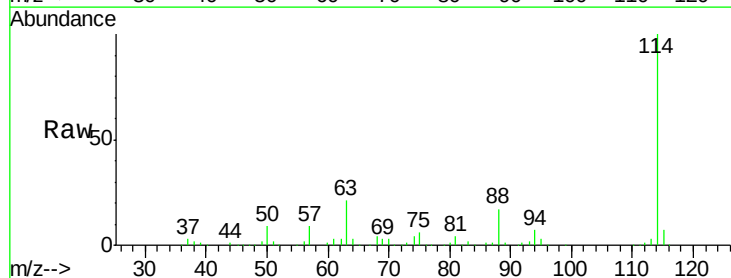
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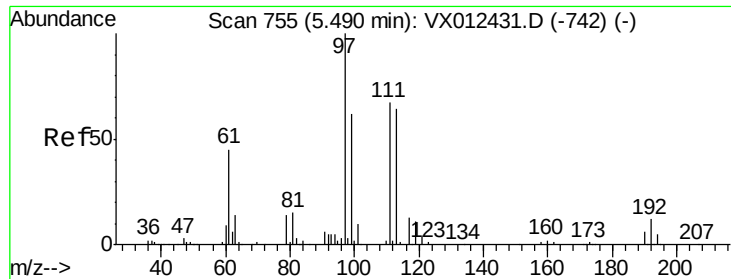
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012699.D
 Acq: 30 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	294718		
63	21.3	0.0	43.2	
88	17.3	0.0	33.2	





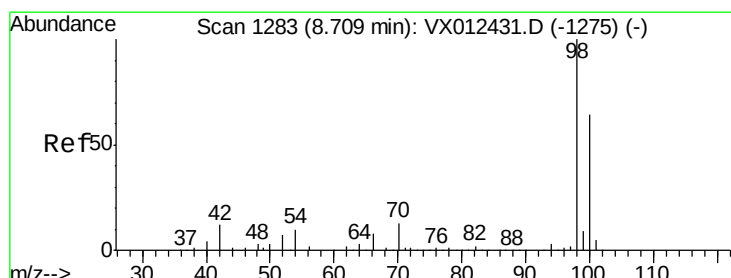
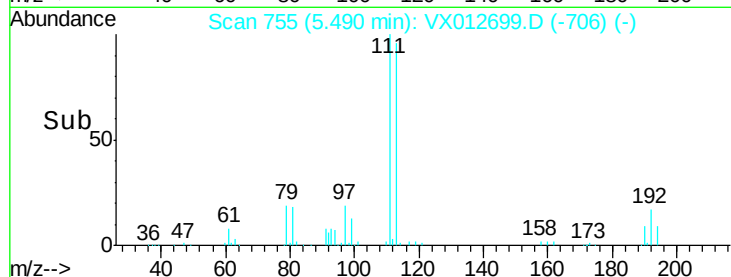
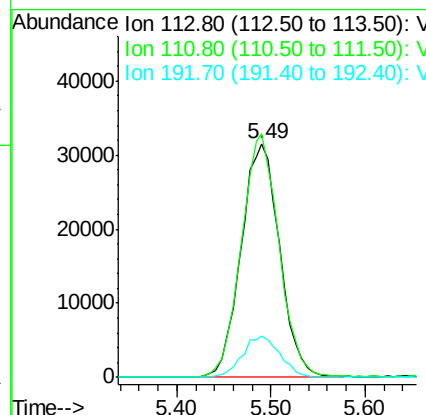
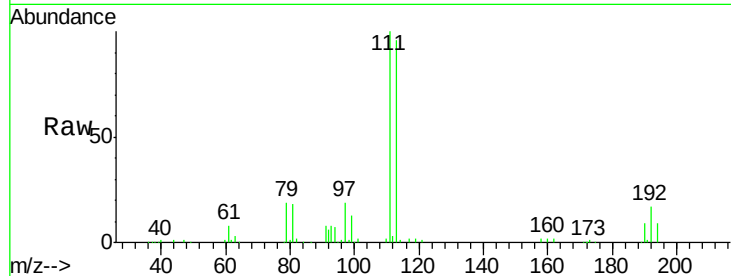
#35
 Dibromofluoromethane
 Concen: 51.115 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012699.D
 Acq: 30 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ143I-20190925

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.4	125.2
192	17.3	14.4	21.6

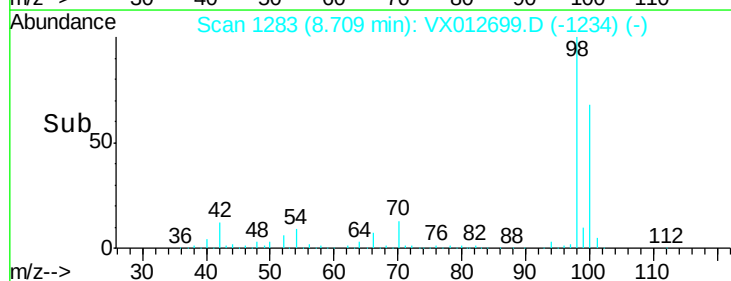
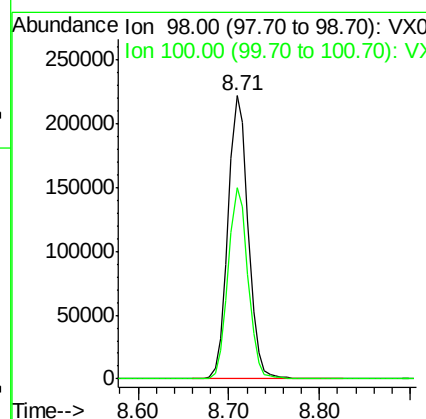
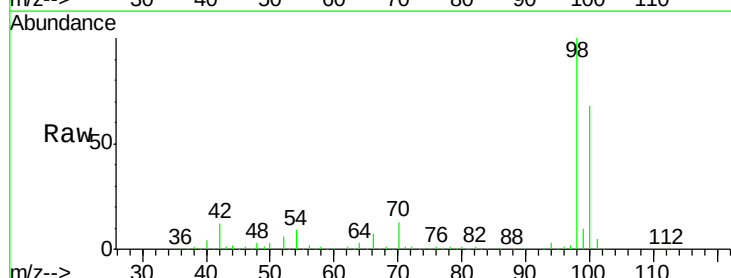
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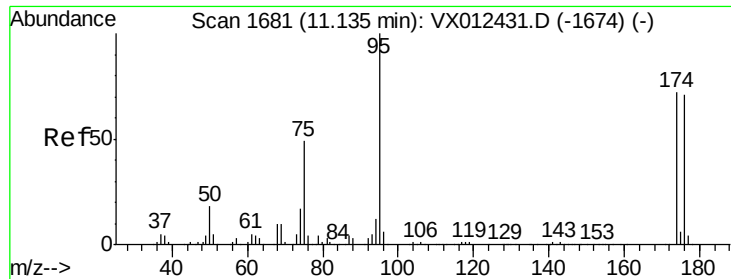
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#50
 Toluene-d8
 Concen: 51.126 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012699.D
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Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.2





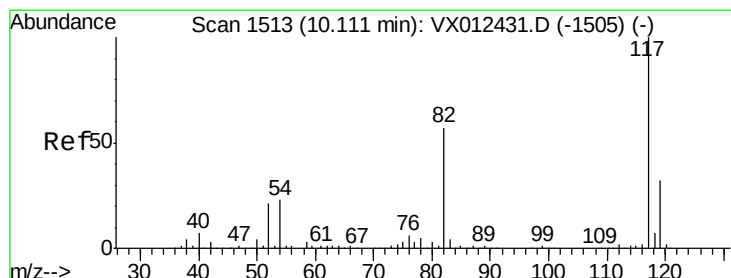
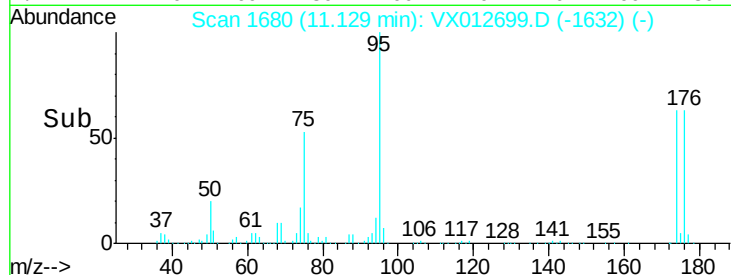
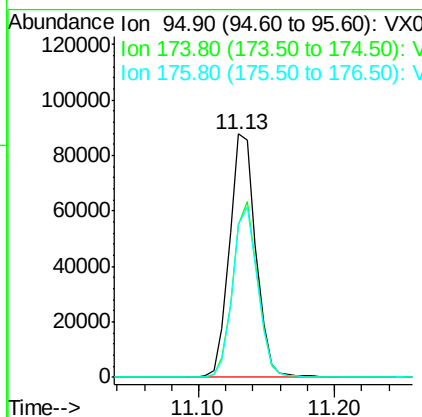
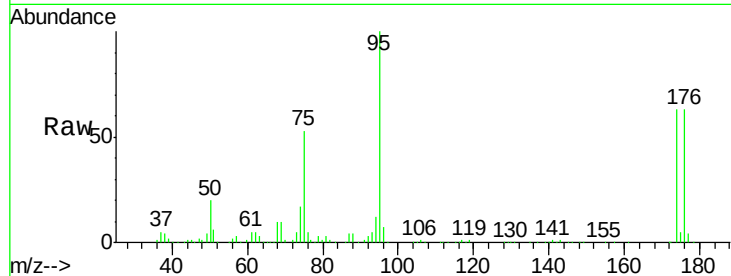
#62
4-Bromofluorobenzene
Concen: 44.441 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012699.D
Acq: 30 Sep 2019 12:49

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Tot Ion	Ratio	Resp	Lower	Upper
95	100	118113		
174	68.5	0.0	140.0	
176	67.0	0.0	135.4	

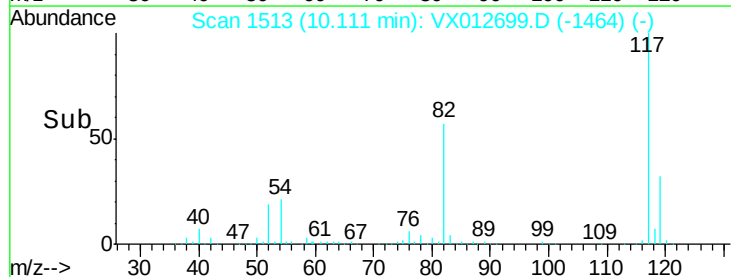
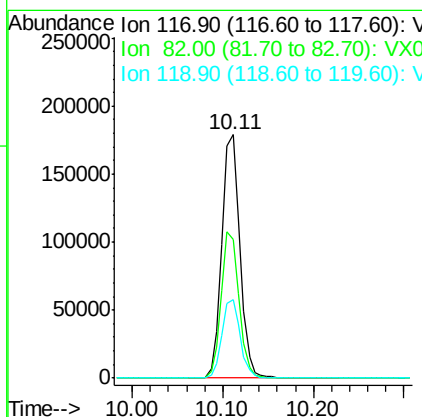
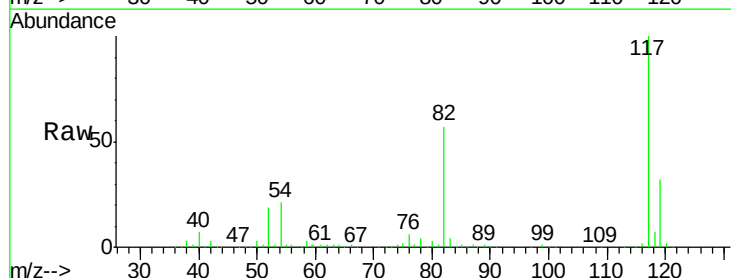
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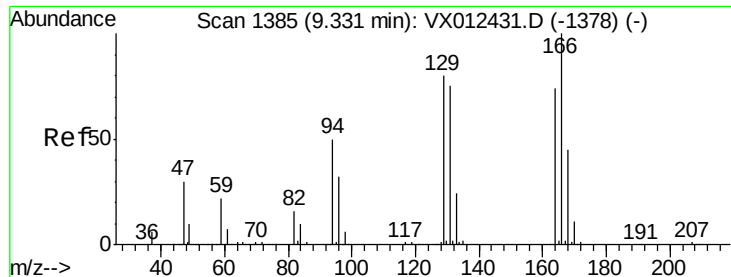
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10/1/2019 10:07:44 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012699.D
Acq: 30 Sep 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	249950		
82	56.9	45.9	68.9	
119	32.0	25.3	37.9	





#64

Tetrachloroethene

Concen: 0.926 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012699.D

Acq: 30 Sep 2019 12:49

Instrument :

MSVOA_X

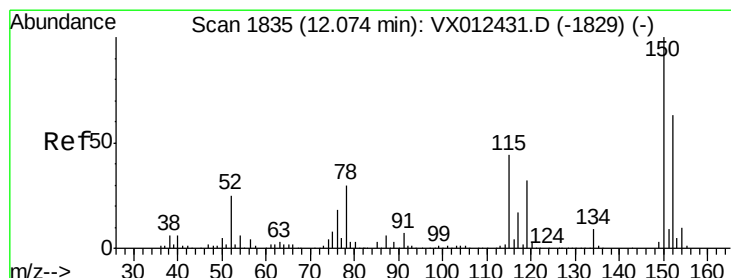
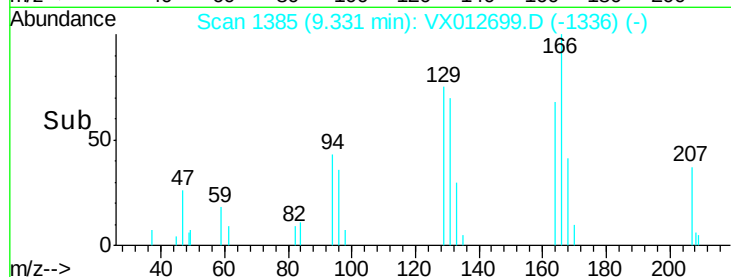
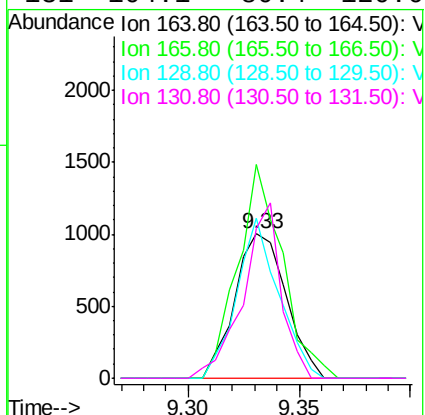
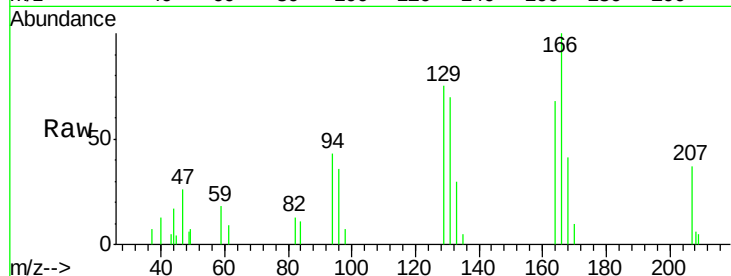
ClientSampleId :

SA-PZ143I-20190925

Tot Ion:	164	Resp:	1614
Ion	Ratio	Lower	Upper
164	100		
166	148.0	107.8	161.6
129	110.9	86.2	129.2
131	104.1	80.4	120.6

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

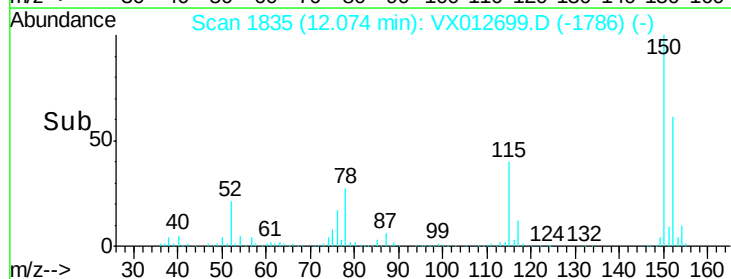
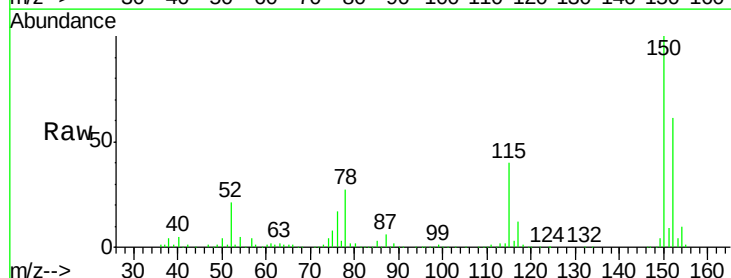
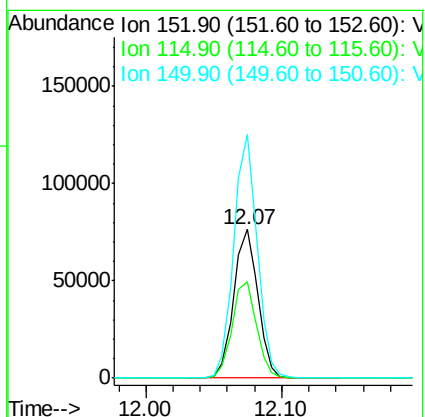
RT: 12.07 min Scan# 1835

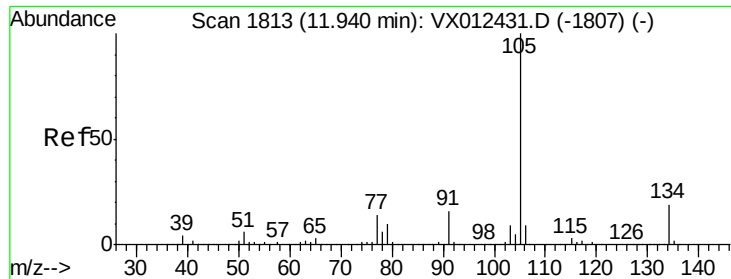
Delta R.T. 0.00 min

Lab File: VX012699.D

Acq: 30 Sep 2019 12:49

Tgt Ion:	152	Resp:	94099
Ion	Ratio	Lower	Upper
152	100		
115	65.7	44.1	132.3
150	160.0	0.0	343.8





#85

sec-Butylbenzene

Concen: 1.216 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012699.D

Acq: 30 Sep 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ143I-20190925

Tot Ion:105 Resp: 8772

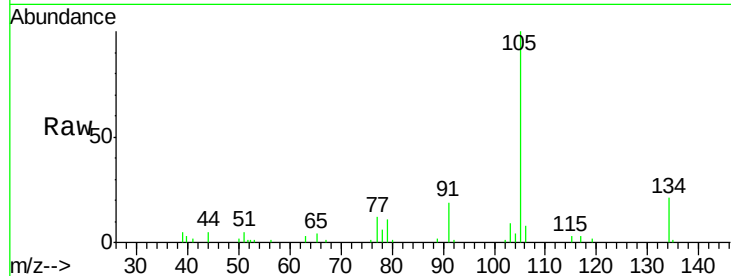
Ion Ratio Lower Upper

105 100

134 25.2 9.8 29.4

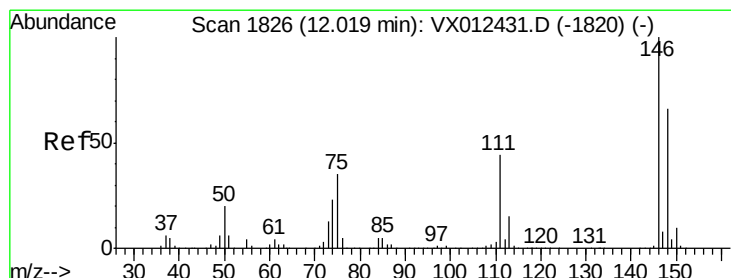
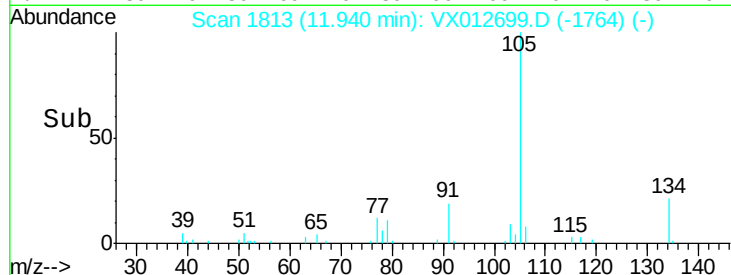
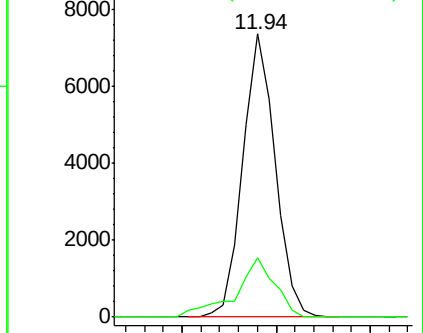
Manual Integrations
APPROVED

MMDadoda
10/1/2019 10:07:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.451 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012699.D

Acq: 30 Sep 2019 12:49

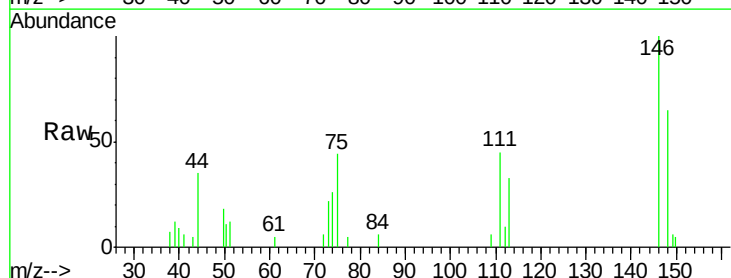
Tgt Ion:146 Resp: 1407

Ion Ratio Lower Upper

146 100

111 49.4 21.3 64.0

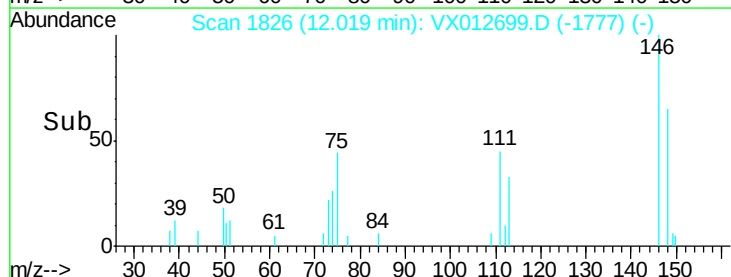
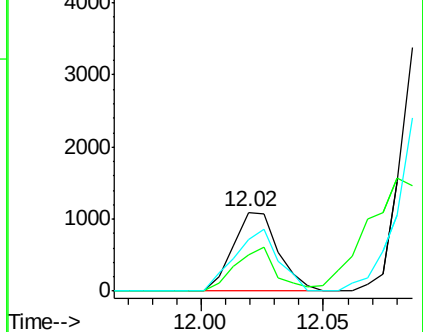
148 75.9 32.4 97.2

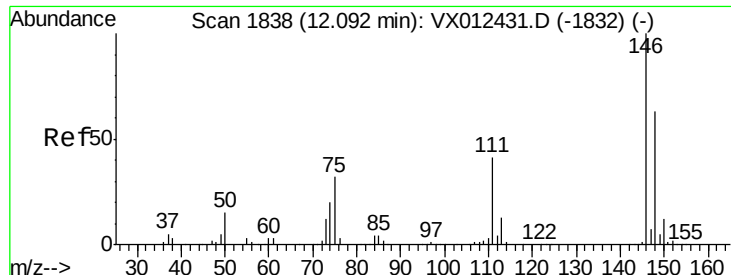


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88
 1,4-Dichlorobenzene
 Concen: 1.655 ug/l m
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012699.D
 Acq: 30 Sep 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ143I-20190925

Tot Ion	Ratio	Lower	Upper
146	100		
111	13.3	21.1	63.3#
148	20.5	32.1	96.5#

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 10:07:44 AM

