

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052120\
 Data File : VX016387.D
 Acq On : 21 May 2020 16:34
 Operator : JC/SP
 Sample : L2684-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-3DL

Manual Integrations
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Quant Time: May 22 09:35:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	234109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	386379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	377863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192592	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	132167	42.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.80%	
35) Dibromofluoromethane	5.47	113	112446	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
50) Toluene-d8	8.70	98	472349	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.12	95	190623	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
Target Compounds						
					Qvalue	
16) Acetone	2.42	43	3014	2.193	ug/l	96
31) Cyclohexane	5.56	56	25028	5.848	ug/l #	91
39) Methylcyclohexane	7.45	83	15553	3.396	ug/l	97
40) Benzene	6.12	78	34535	3.103	ug/l	100
52) Toluene	8.77	92	109218	15.745	ug/l	100
67) Ethyl Benzene	10.24	91	580557	41.125	ug/l	100
68) m/p-Xylenes	10.34	106	466200	88.143	ug/l	100
69) o-Xylene	10.68	106	106815	21.010	ug/l	98
73) Isopropylbenzene	11.00	105	61803	4.412	ug/l	100
78) n-propylbenzene	11.35	91	174034	10.679	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	154789	13.087	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	372738	31.172	ug/l	100
85) sec-Butylbenzene	11.93	105	10804m	0.785	ug/l	
86) p-Isopropyltoluene	12.05	119	5655	0.443	ug/l	87
89) n-Butylbenzene	12.36	91	20775	1.780	ug/l #	16
95) Naphthalene	13.82	128	100535	6.709	ug/l	99

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

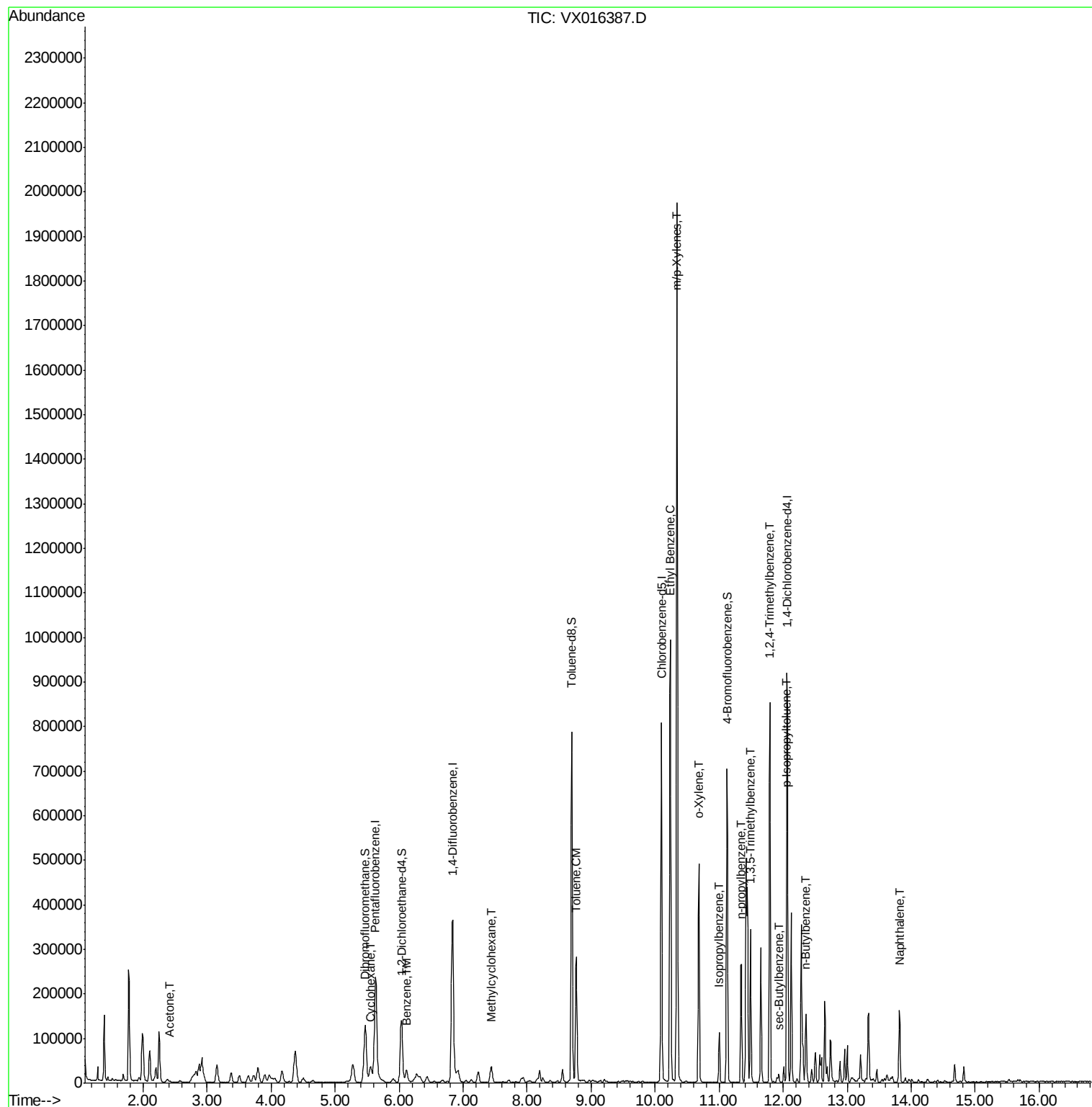
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

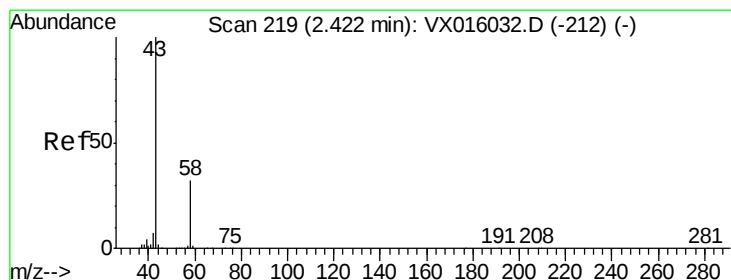
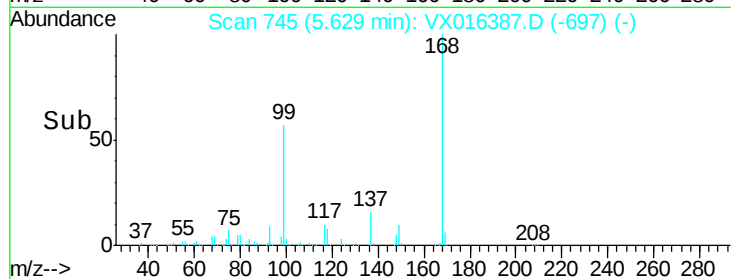
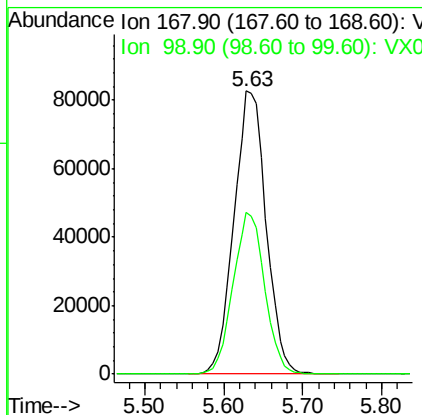
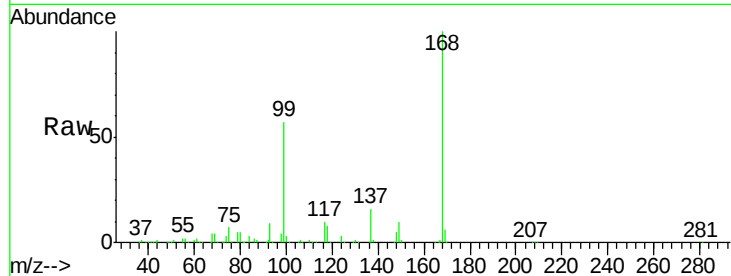
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX016387.D
 Acq: 21 May 2020 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-3DL

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.1	45.0	67.4

Manual Integrations
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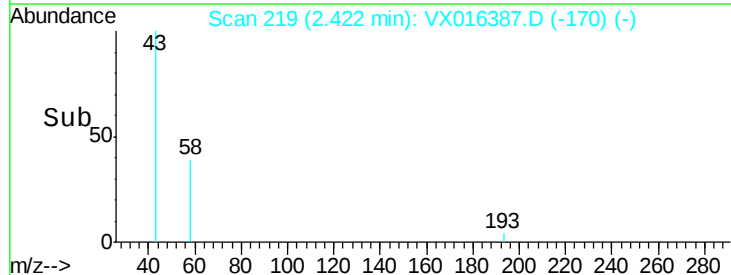
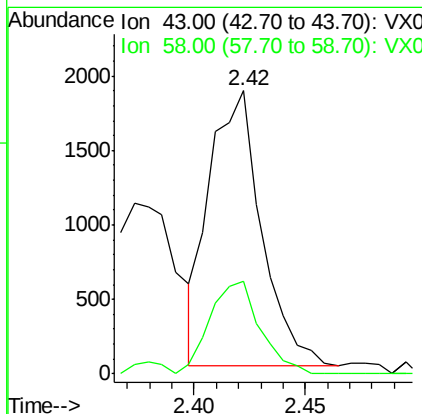
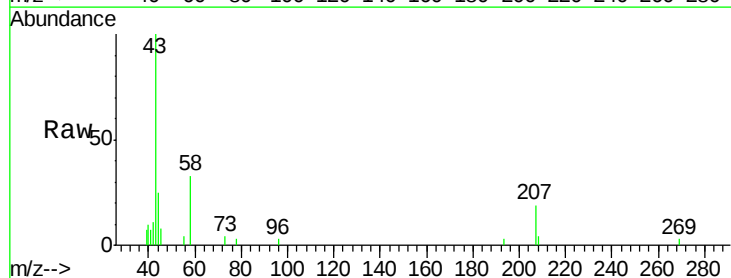
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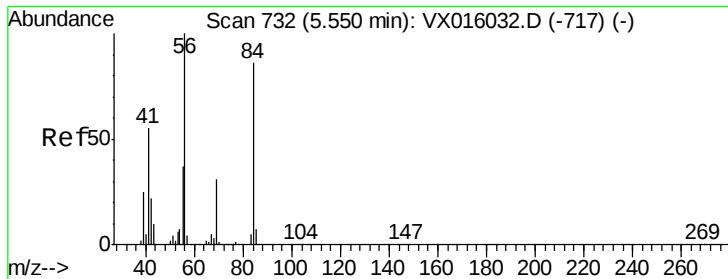


#16

Acetone
 Concen: 2.193 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016387.D
 Acq: 21 May 2020 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.4	38.0





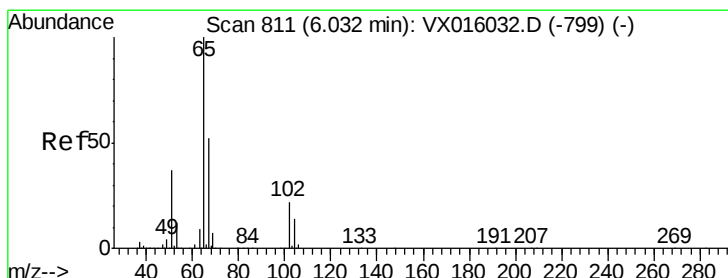
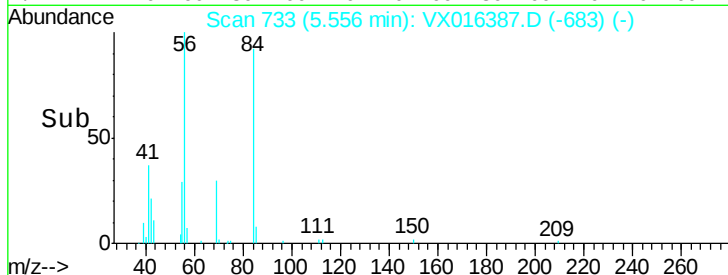
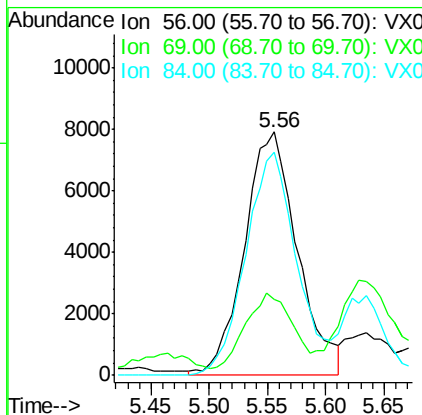
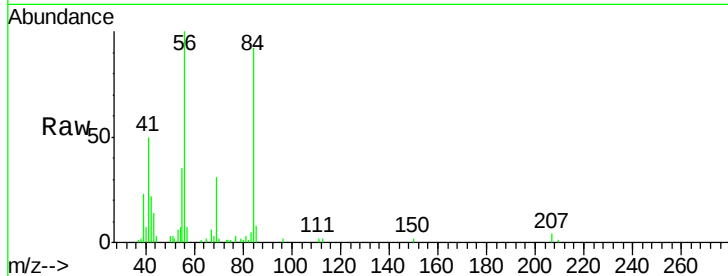
#31
Cyclohexane
Concen: 5.848 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Instrument :
MSVOA_X
ClientSampled :
RW-3DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.6	25.0	37.6#
84	93.1	69.0	103.6

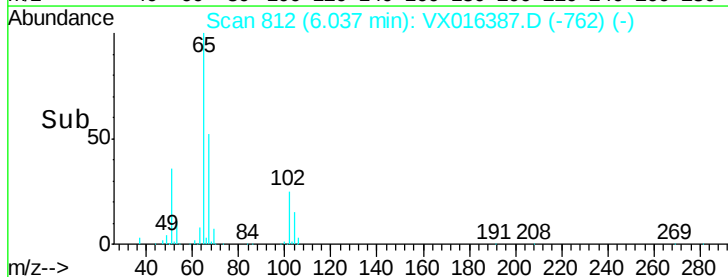
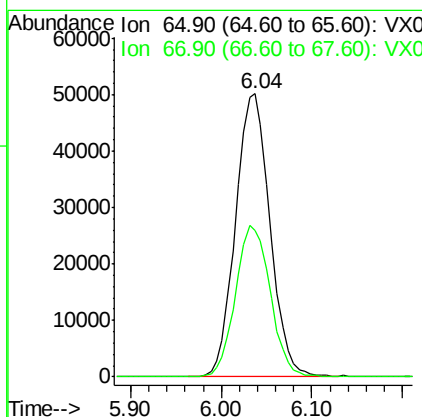
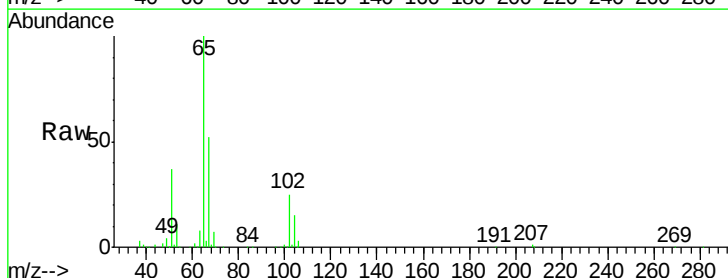
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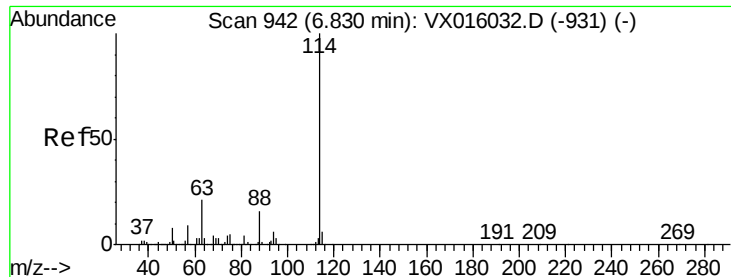
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#33
1,2-Dichloroethane-d4
Concen: 42.903 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016387.D

Acq: 21 May 2020 16:34

Instrument :

MSVOA_X

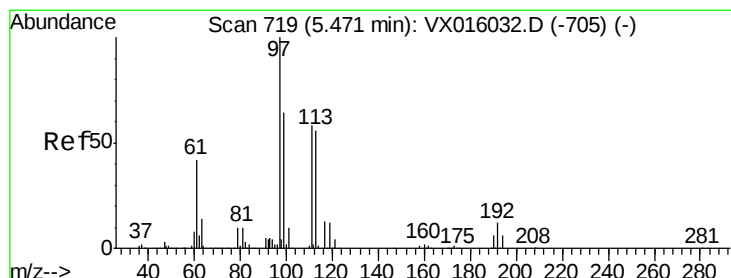
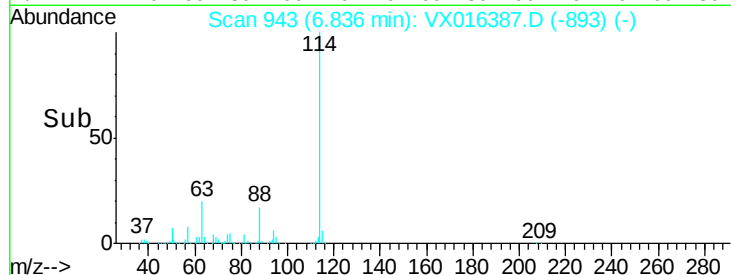
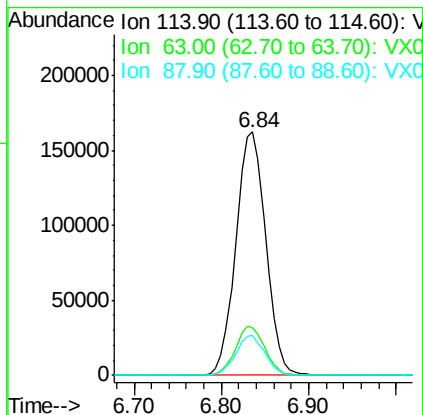
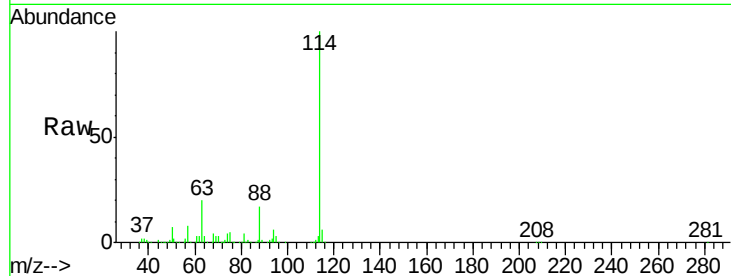
ClientSampleId :

RW-3DL

Tot Ion:	114	Resp:	386379
Ion Ratio		Lower	Upper
114	100		
63	19.8	0.0	42.8
88	16.6	0.0	31.4

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#35

Dibromofluoromethane

Concen: 45.936 ug/l

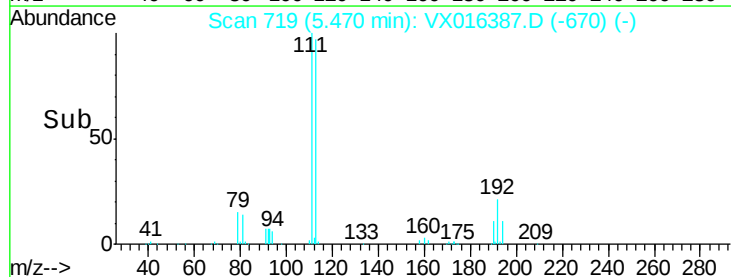
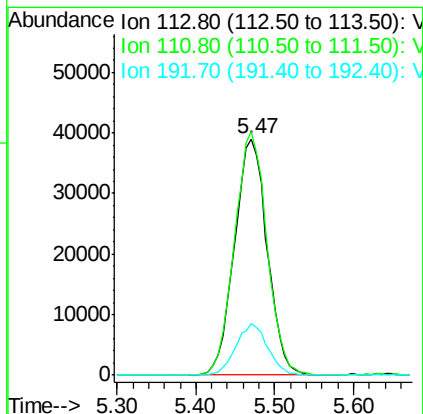
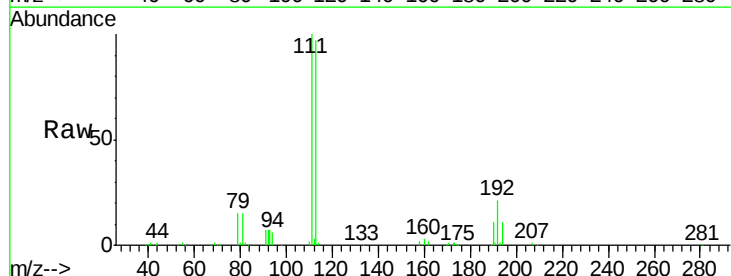
RT: 5.47 min Scan# 719

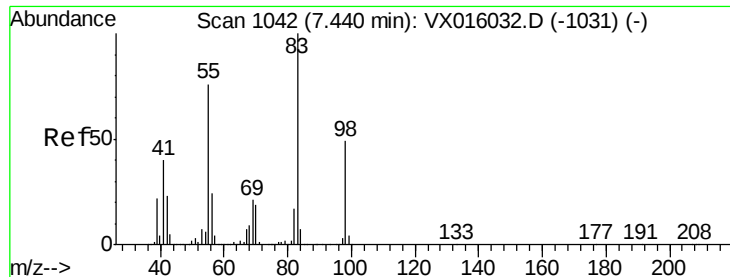
Delta R.T. -0.00 min

Lab File: VX016387.D

Acq: 21 May 2020 16:34

Tgt Ion:	113	Resp:	112446
Ion Ratio		Lower	Upper
113	100		
111	102.4	81.6	122.4
192	21.1	17.0	25.4





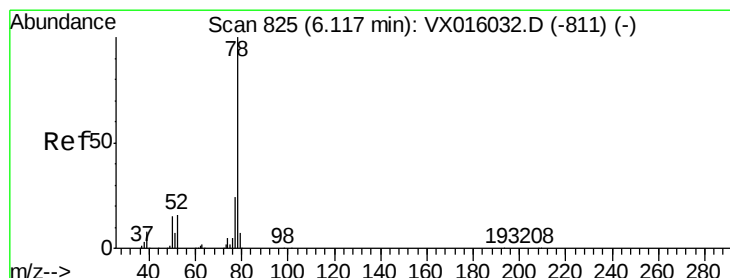
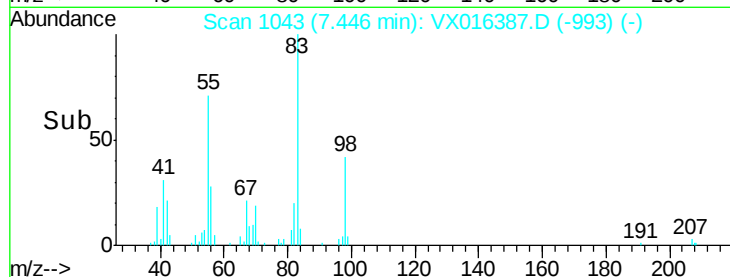
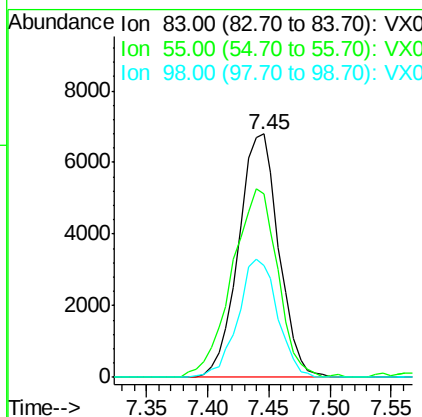
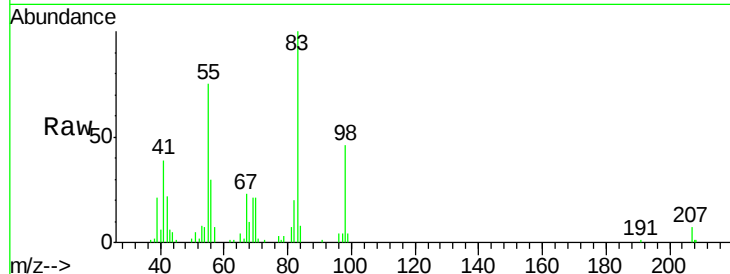
#39
Methvlcvclohexane
Concen: 3.396 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
RW-3DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	61.1	91.7
98	45.8	39.0	58.4

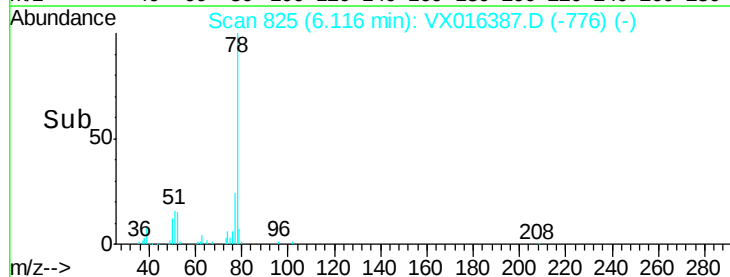
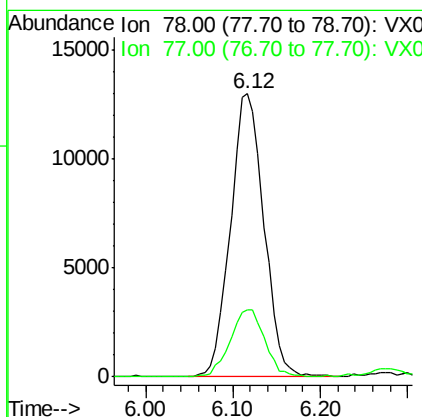
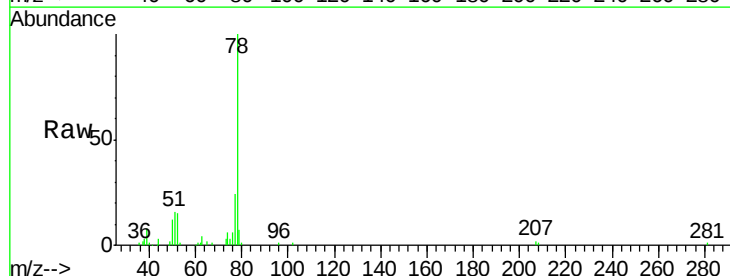
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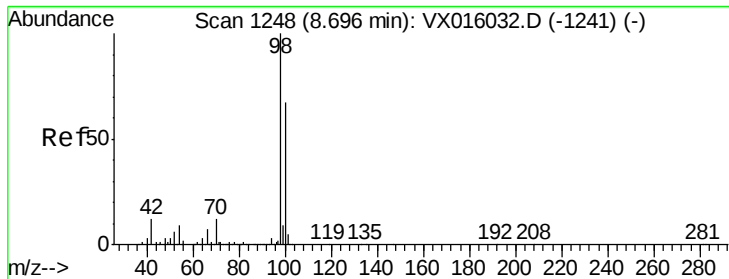
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#40
Benzene
Concen: 3.103 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





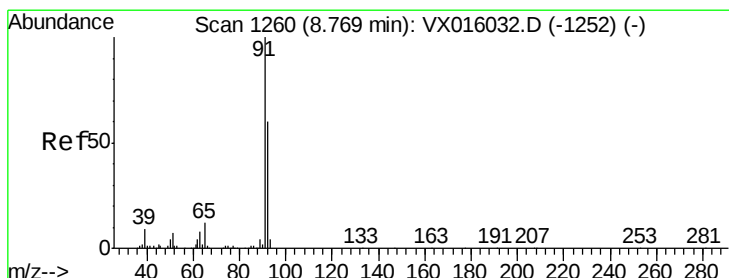
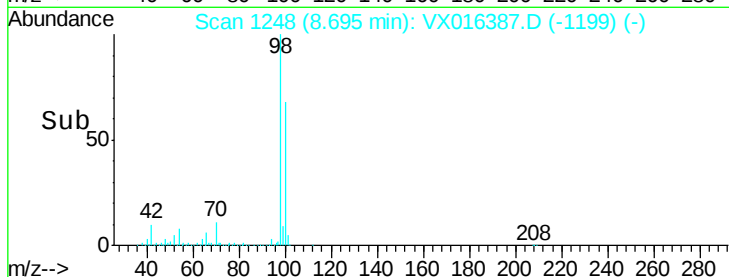
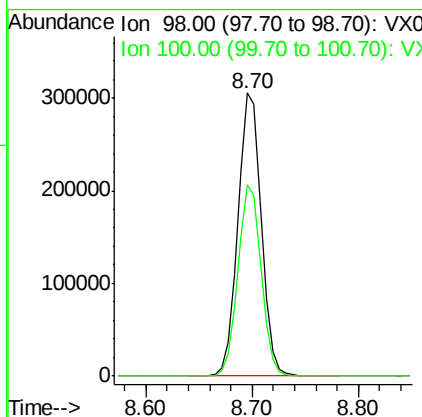
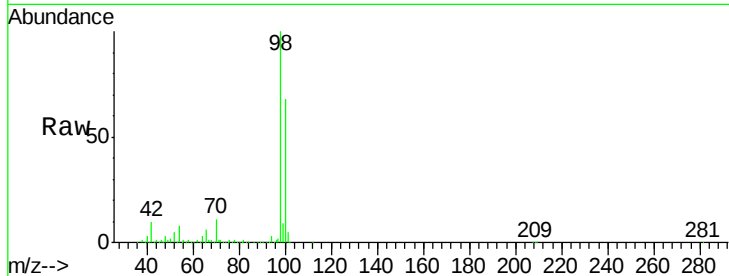
#50
Toluene-d8
Concen: 50.080 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
RW-3DL

Tot Ion	98	Resp	472349
Ion Ratio	100	Lower	Upper
98	100	53.7	80.5
100	67.0		

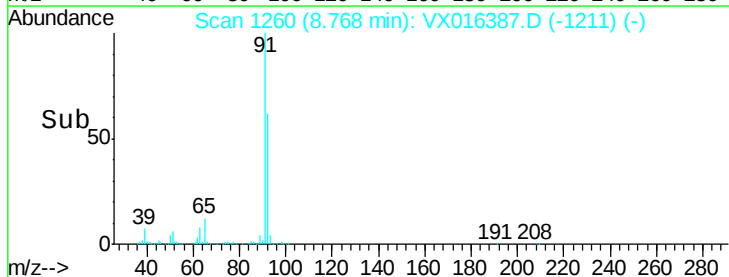
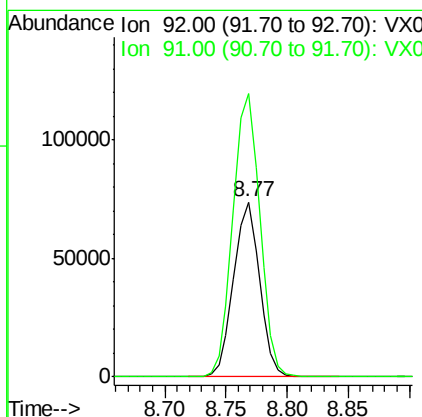
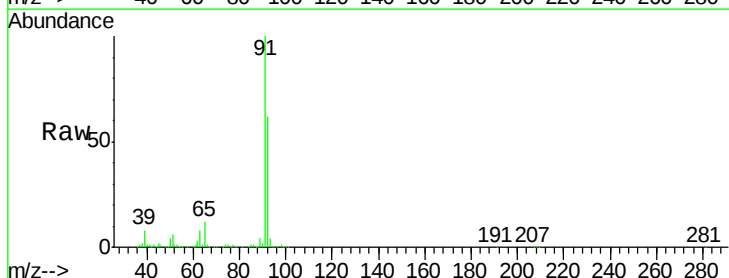
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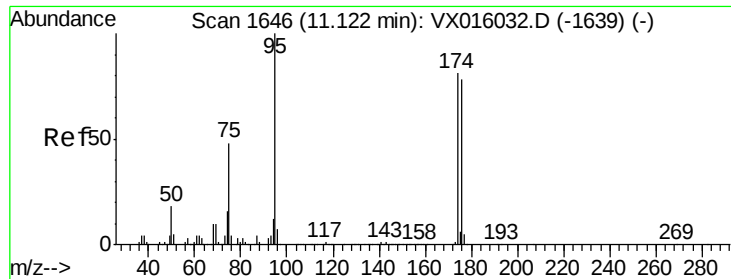
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#52
Toluene
Concen: 15.745 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Tgt Ion	92	Resp	109218
Ion Ratio	100	Lower	Upper
92	100	134.5	201.7
91	168.4		





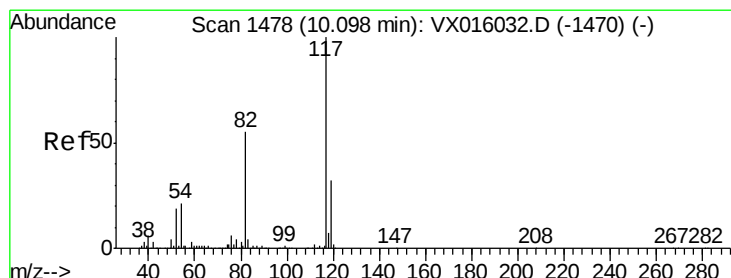
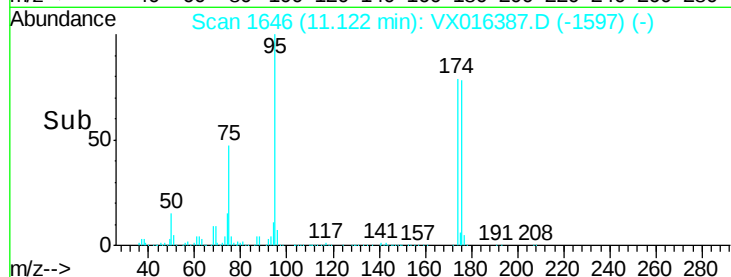
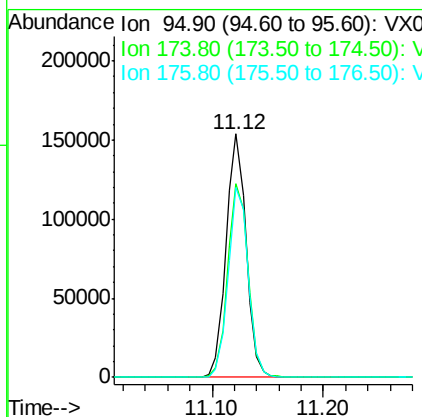
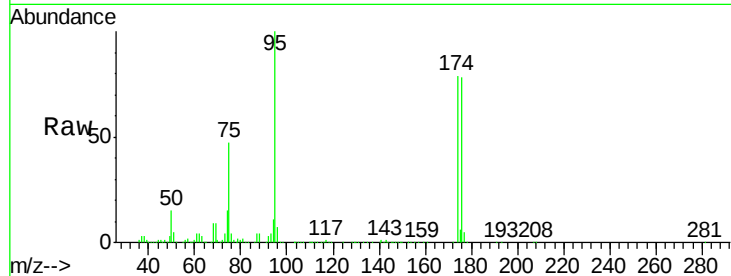
#62
4-Bromofluorobenzene
Concen: 53.136 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
RW-3DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	190623		
174	81.1	0.0	159.4	
176	78.1	0.0	157.6	

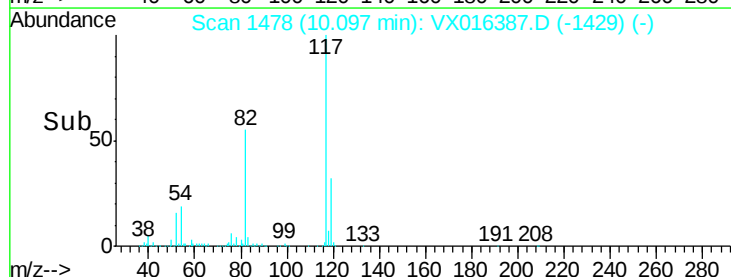
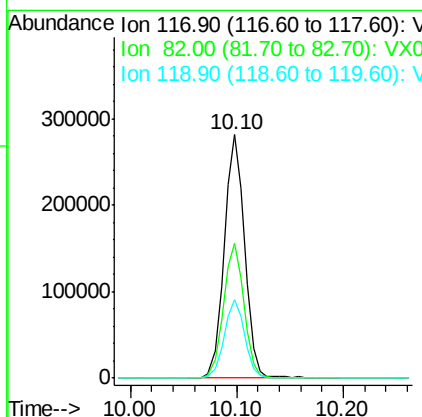
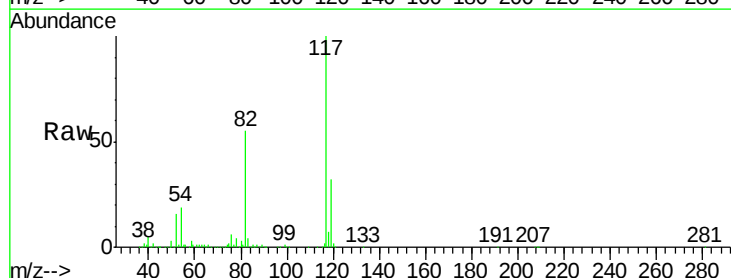
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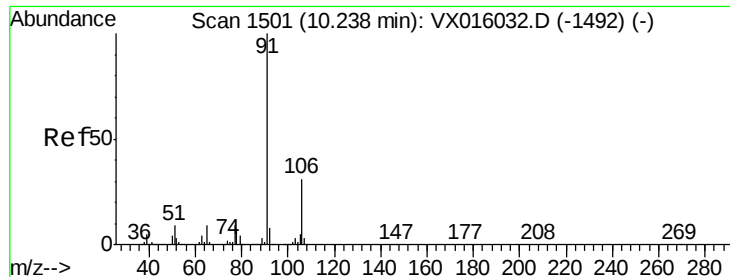
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	377863		
82	55.1	44.4	66.6	
119	32.0	25.5	38.3	





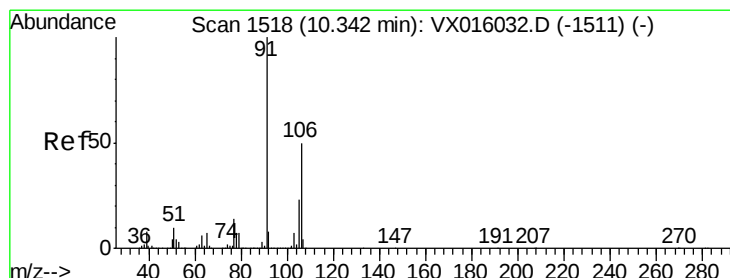
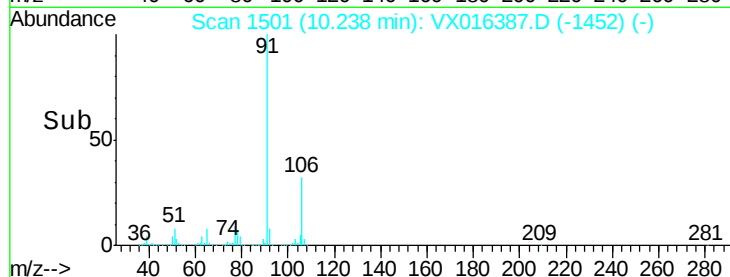
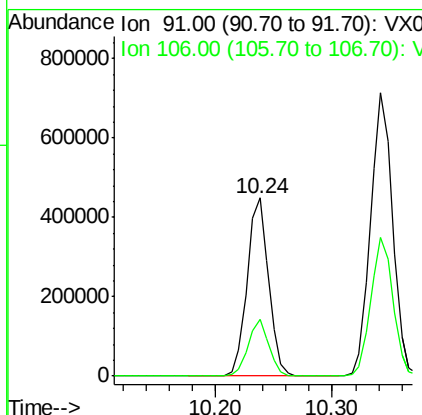
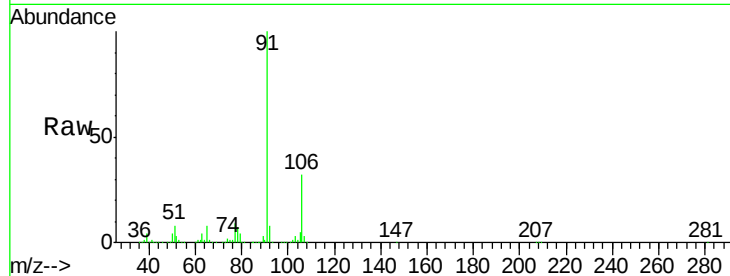
#67
Ethyl Benzene
Concen: 41.125 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
RW-3DL

Tot Ion: 91 Resp: 580557
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

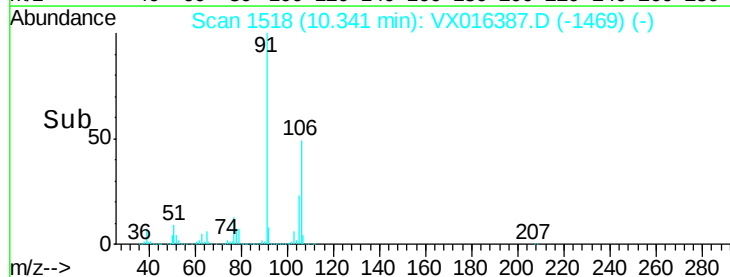
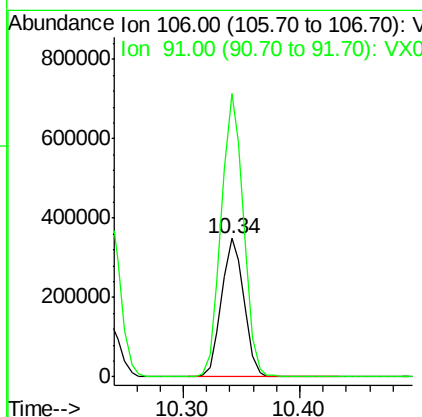
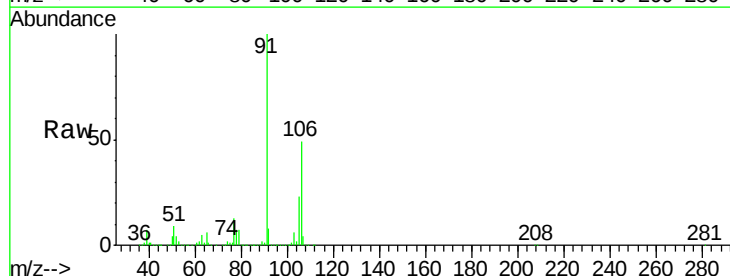
Manual Integrations
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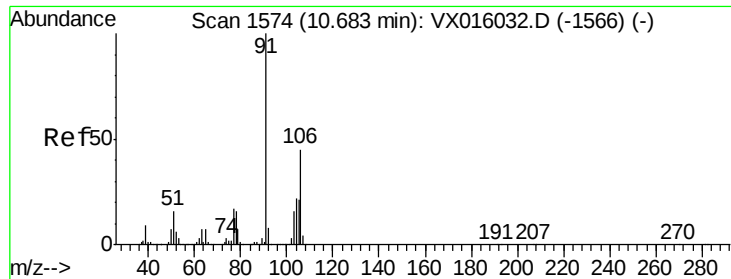
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#68
m/p-Xylenes
Concen: 88.143 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Tgt Ion: 106 Resp: 466200
Ion Ratio Lower Upper
106 100
91 202.2 161.7 242.5





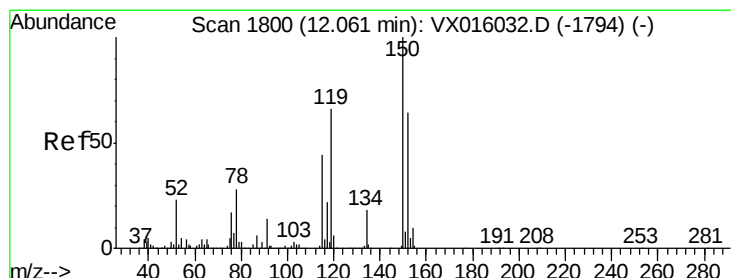
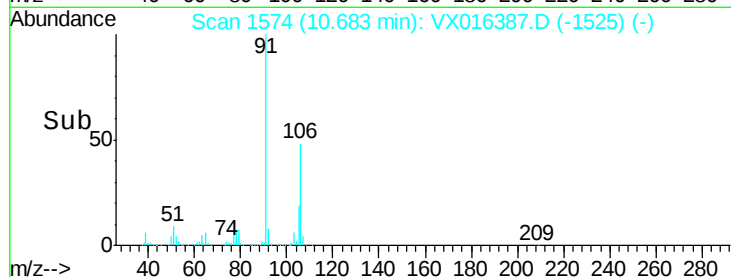
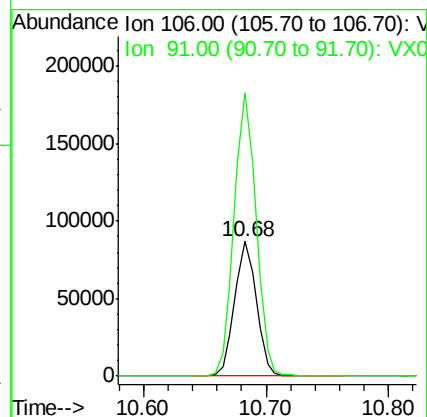
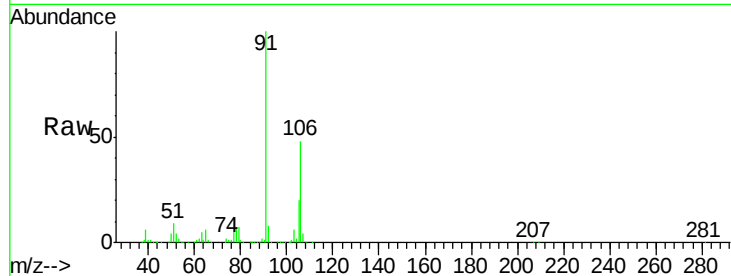
#69
o-Xylene
Concen: 21.010 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
RW-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	106815		
91	91	212.3	107.5	322.6	

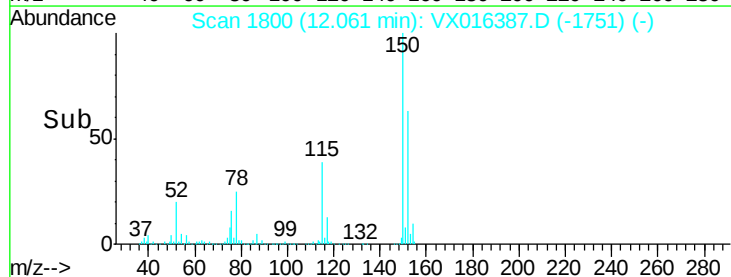
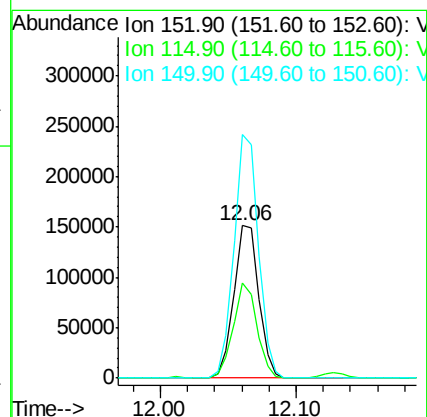
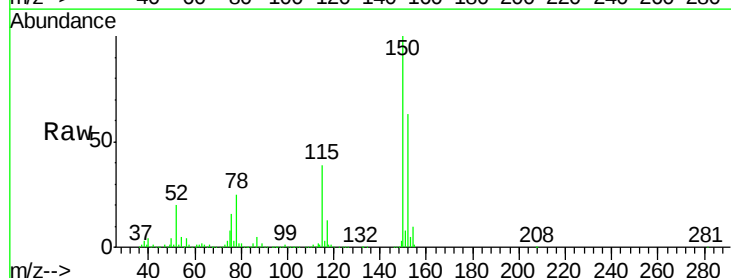
Manual Integrations
APPROVED

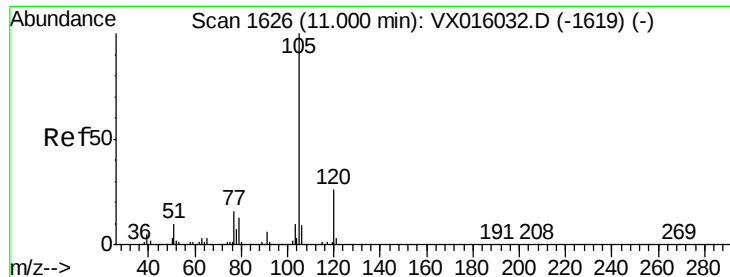
MMDadoda
5/22/2020 4:03:18 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016387.D
Acq: 21 May 2020 16:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	152	100	192592		
115	115	59.3	41.3	124.1	
150	150	156.8	0.0	352.2	





#73

Isopropylbenzene

Concen: 4.412 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016387.D

Acq: 21 May 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

RW-3DL

Tot Ion: 105 Resp: 61803

Ion Ratio Lower Upper

105 100

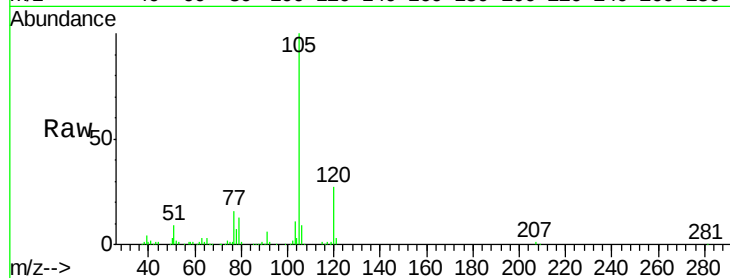
120 26.6 13.4 40.2

Manual Integrations

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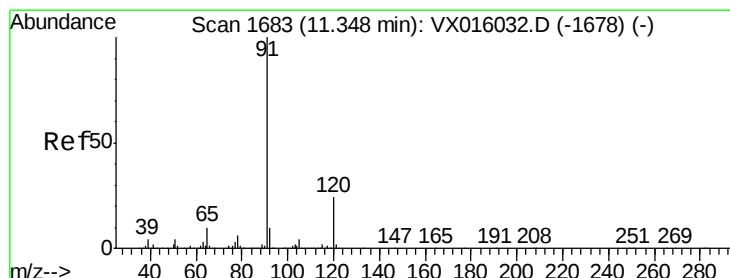
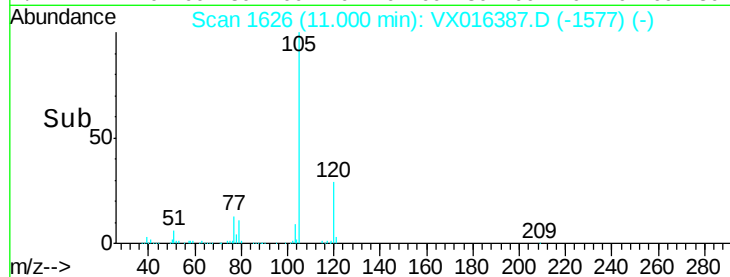
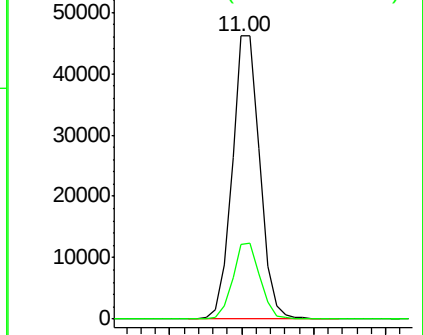
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 10.679 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VX016387.D

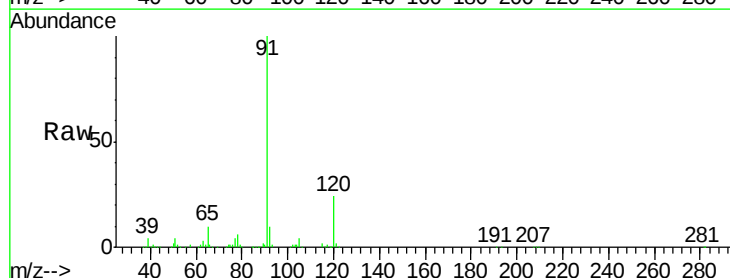
Acq: 21 May 2020 16:34

Tgt Ion: 91 Resp: 174034

Ion Ratio Lower Upper

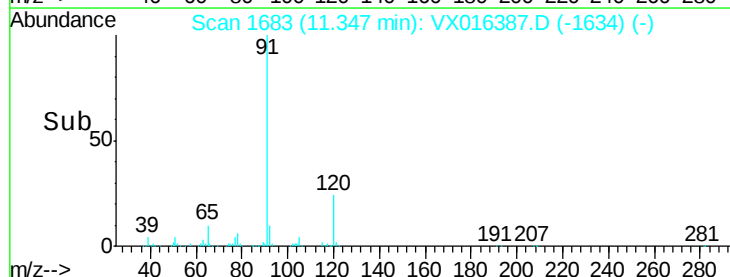
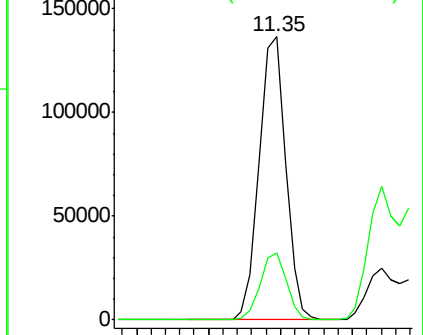
91 100

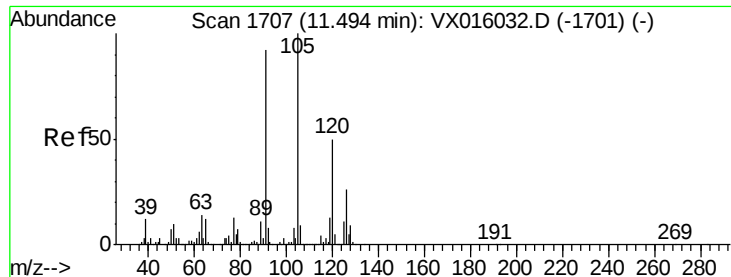
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 13.087 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016387.D

Acq: 21 May 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

RW-3DL

Tot Ion:105 Resp: 154789

Ion Ratio Lower Upper

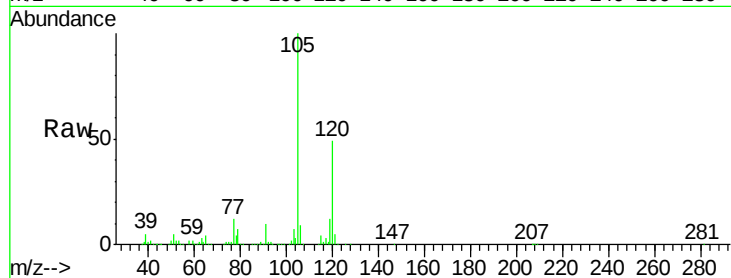
105 100

120 49.4 24.6 74.0

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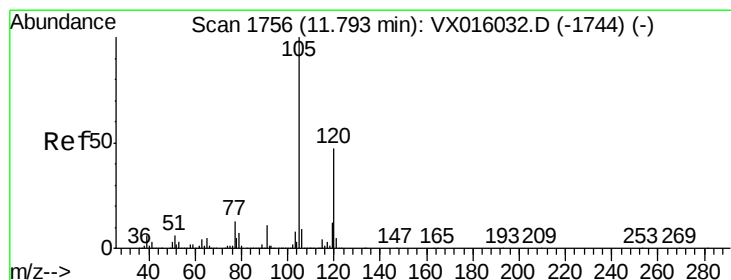
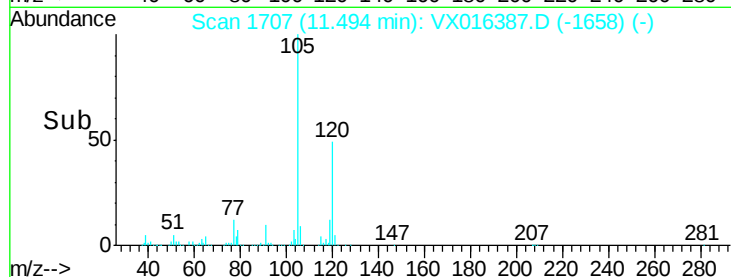
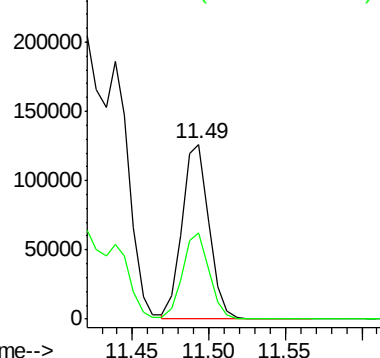
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 31.172 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016387.D

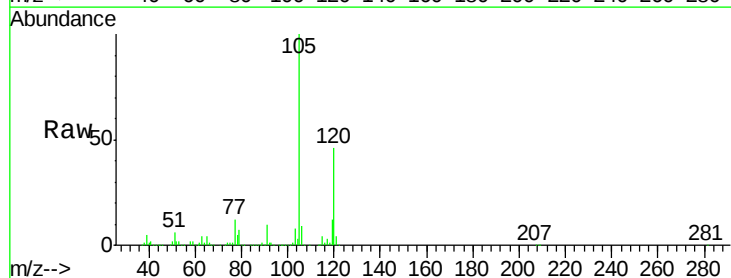
Acq: 21 May 2020 16:34

Tgt Ion:105 Resp: 372738

Ion Ratio Lower Upper

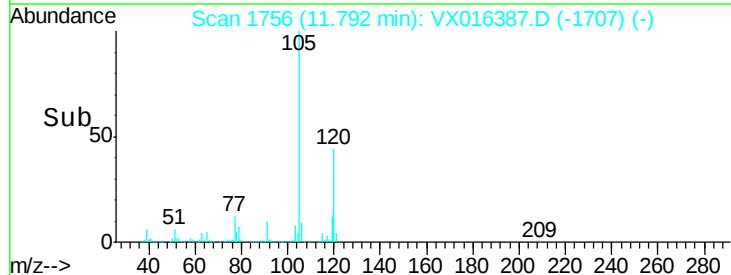
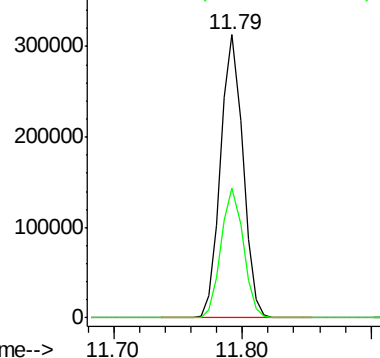
105 100

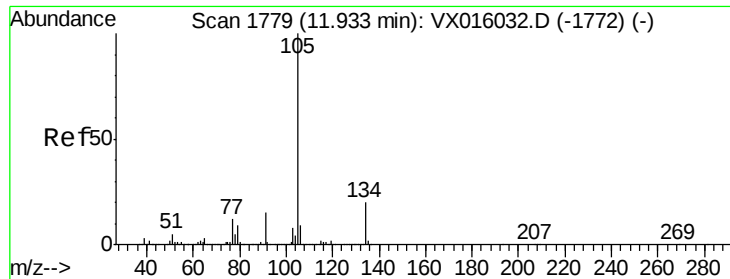
120 45.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





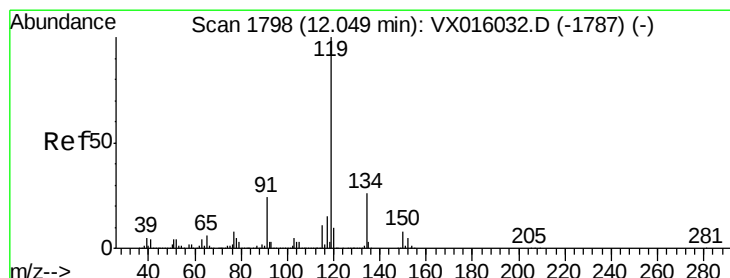
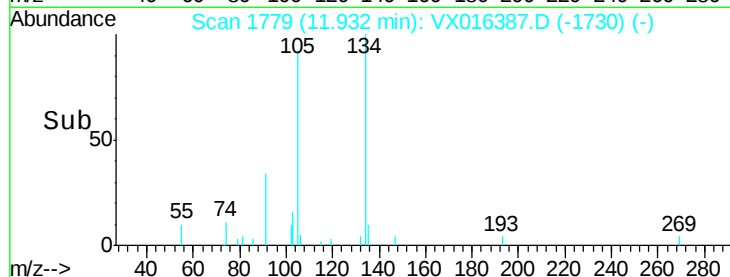
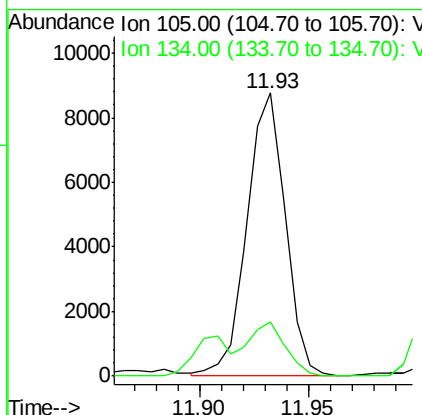
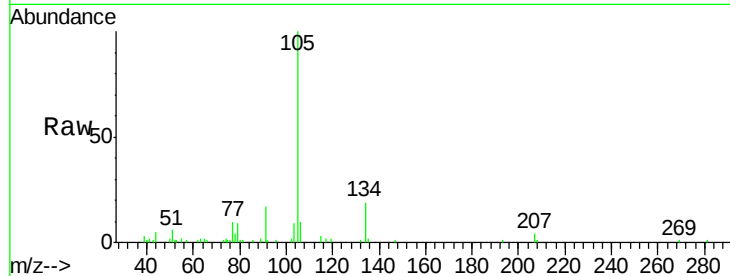
#85
 sec-Butylbenzene
 Concen: 0.785 ug/l m
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016387.D
 Acq: 21 May 2020 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-3DL

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.3#

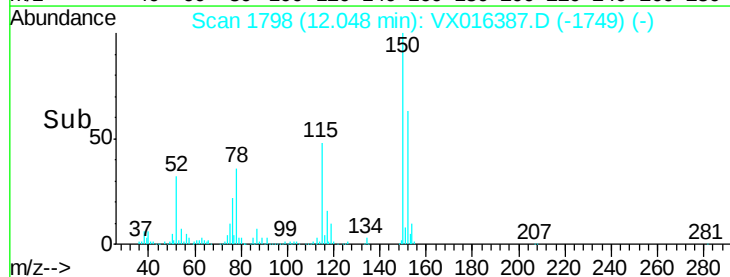
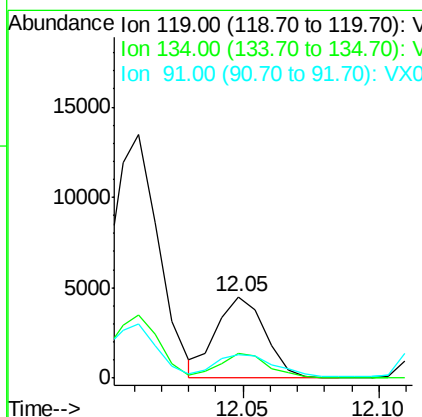
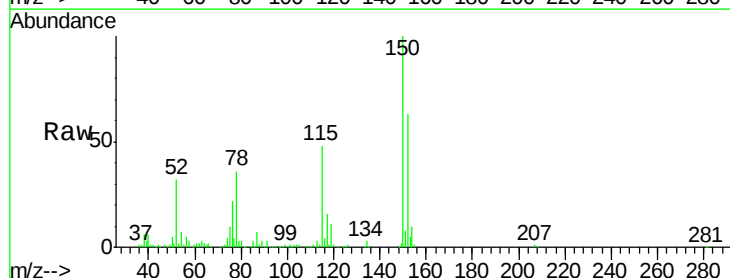
Manual Integrations
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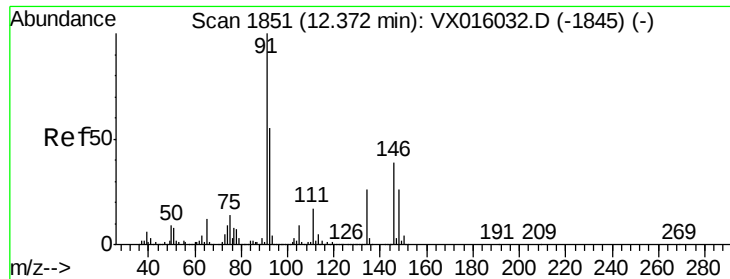
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#86
 p-Isopropyltoluene
 Concen: 0.443 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016387.D
 Acq: 21 May 2020 16:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.7	13.1	39.3
91	33.7	11.8	35.4





#89

n-Butylbenzene

Concen: 1.780 ug/l

RT: 12.36 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VX016387.D

Acq: 21 May 2020 16:34

Instrument :

MSVOA_X

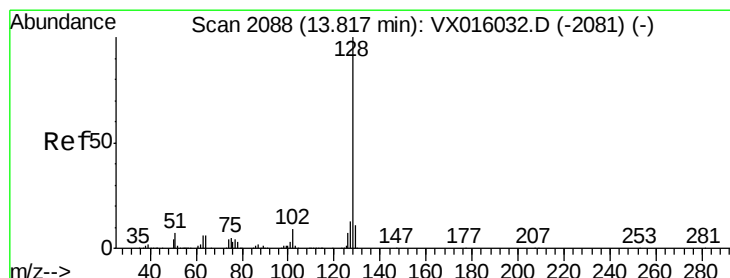
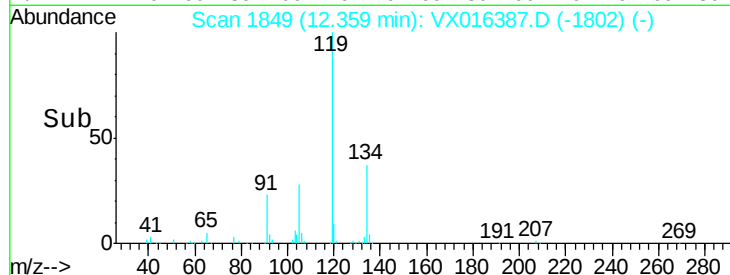
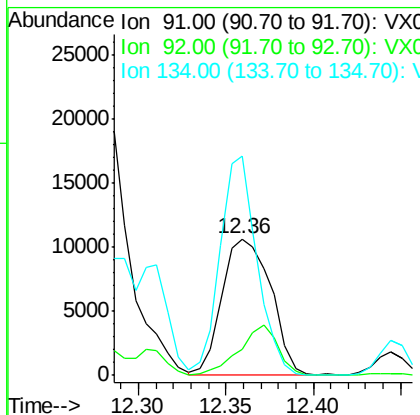
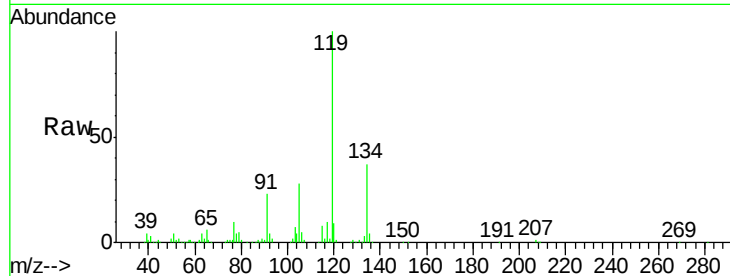
ClientSampleId :

RW-3DL

Tot Ion:	91	Resp:	20775
Ion Ratio	Lower	Upper	
91	100		
92	29.1	27.6	82.7
134	121.5	13.4	40.1#

Manual Integrations
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#95

Naphthalene

Concen: 6.709 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016387.D

Acq: 21 May 2020 16:34

Tgt Ion:	128	Resp:	100535
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.3	8.7	13.1

