

Data File : VX006797.D
Acq On : 24 Dec 2018 16:11
Operator : JC/MD
Sample : J6426-17ME
Misc : 1.60g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

Manual Integrations
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MMDadoda
12/26/2018 9:57:41 AM

Quant Time: Jan 05 06:33:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	652189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	938112	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	887185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	550398	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	311198	44.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.54%	
35) Dibromofluoromethane	5.51	113	254763	42.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.88%	
50) Toluene-d8	8.72	98	1119428	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	467248	57.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) cis-1,2-Dichloroethene	4.59	96	39349	5.524	ug/l	90
31) Cyclohexane	5.56	56	133720	13.741	ug/l	97
39) Methylcyclohexane	7.46	83	413479	40.422	ug/l	100
40) Benzene	6.14	78	39645	1.679	ug/l	98
52) Toluene	8.78	92	34519301m	2262.394	ug/l	
64) Tetrachloroethene	9.34	164	6357	0.905	ug/l #	89
65) Chlorobenzene	10.14	112	43606	2.323	ug/l	97
67) Ethyl Benzene	10.25	91	18806390	613.183	ug/l #	52
68) m/p-Xylenes	10.36	106	27833363m	2299.833	ug/l	
69) o-Xylene	10.70	106	16208170	1356.243	ug/l #	1
73) Isopropylbenzene	11.02	105	831032	22.070	ug/l	99
78) n-propylbenzene	11.36	91	1886779	45.504	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	1957041	63.102	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	5698337	174.680	ug/l	98
85) sec-Butylbenzene	11.94	105	228562	6.006	ug/l	99
86) p-Isopropyltoluene	12.07	119	930337	27.810	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	7276	0.397	ug/l #	66
88) 1,4-Dichlorobenzene	12.10	146	49850	2.650	ug/l #	66
89) n-Butylbenzene	12.38	91	657895	23.108	ug/l #	25
91) 1,2-Dichlorobenzene	12.40	146	79587	4.336	ug/l #	85
93) 1,2,4-Trichlorobenzene	13.65	180	1183319	93.470	ug/l	95
95) Naphthalene	13.83	128	3465467	85.767	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	243419	18.623	ug/l #	84

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

Data File : VX006797.D

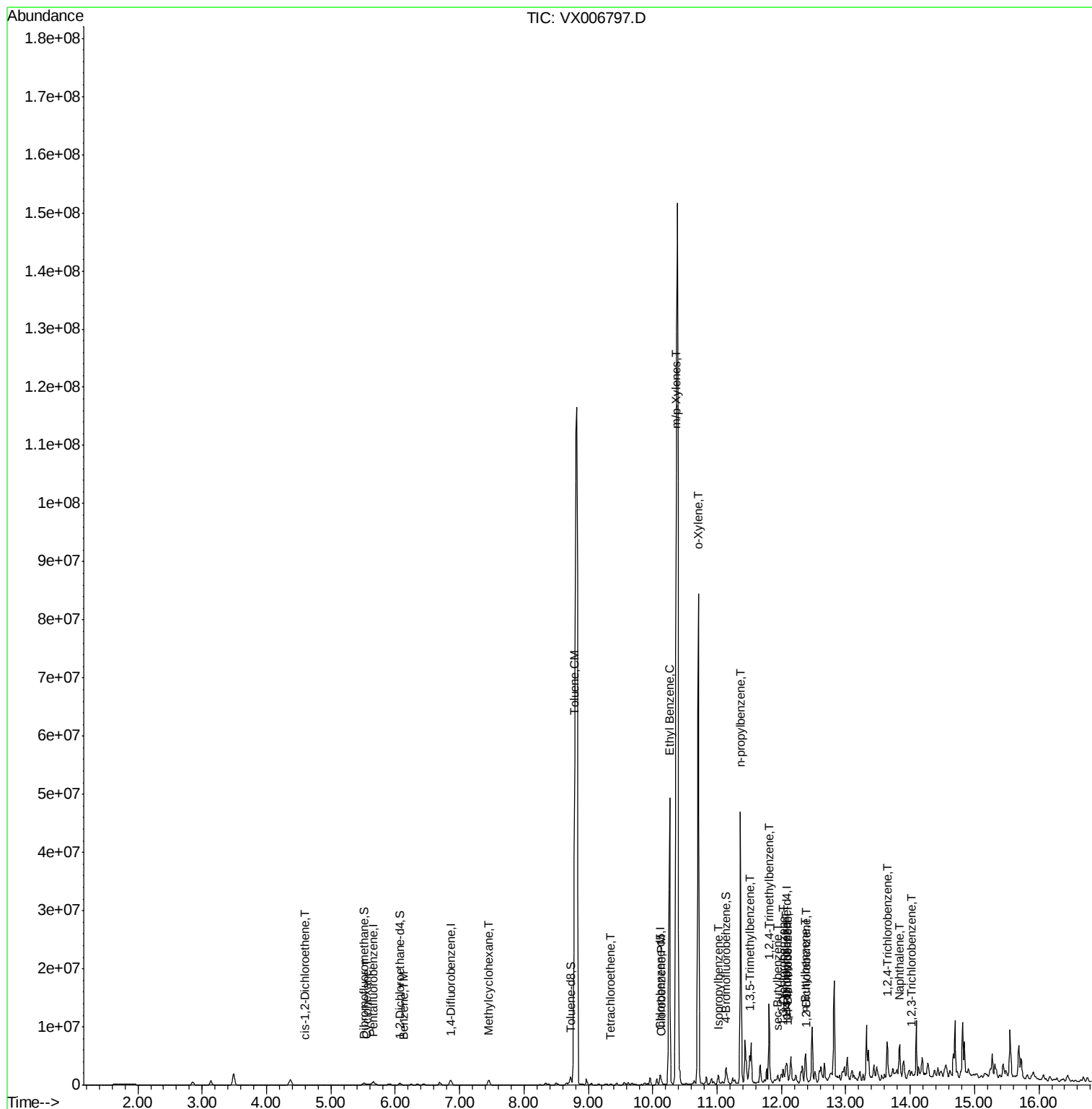
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Acq On       : 24 Dec 2018  16:11
Operator    : JC/MD
Sample      : J6426-17ME
Misc        : 1.60g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial    : 18      Sample Multiplier: 1
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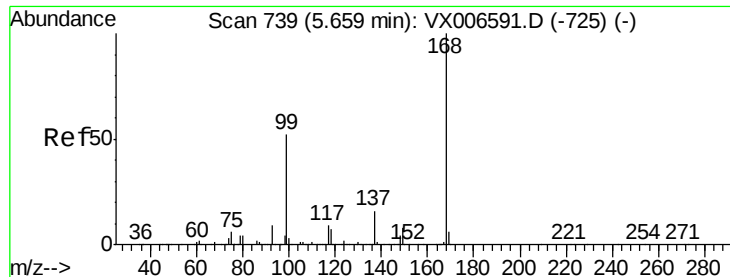
Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

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12/26/2018 9:57:41 AM

Quant Time: Jan 05 06:33:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
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: VX006797.D

Acq: 24 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

P001-SS013C-3642-01ME

Tgt Ion: 168 Resp: 652189

Ion Ratio Lower Upper

168 100

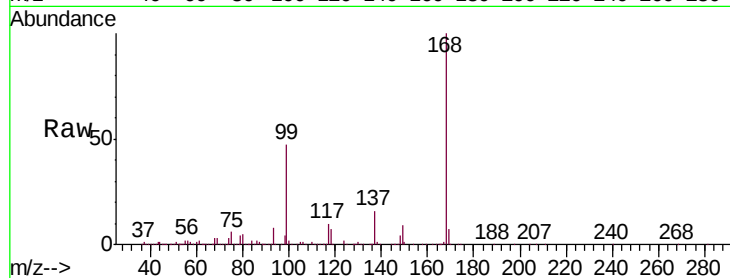
99 46.9 41.8 62.8

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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

200000

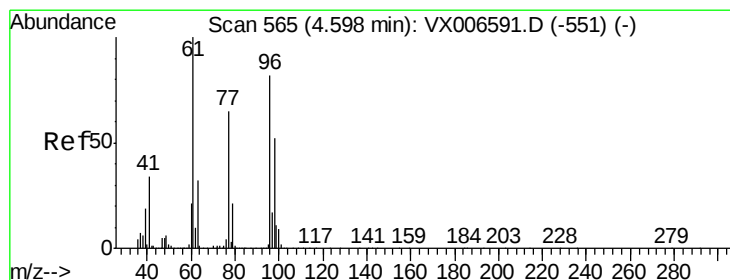
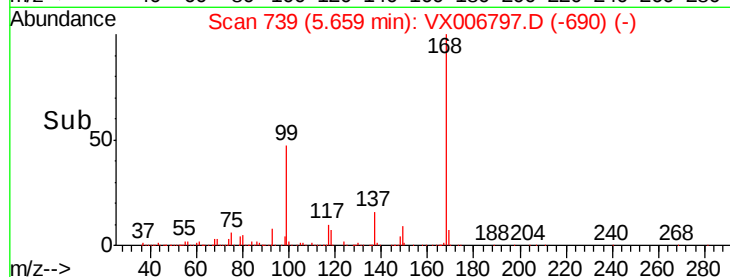
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 5.524 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

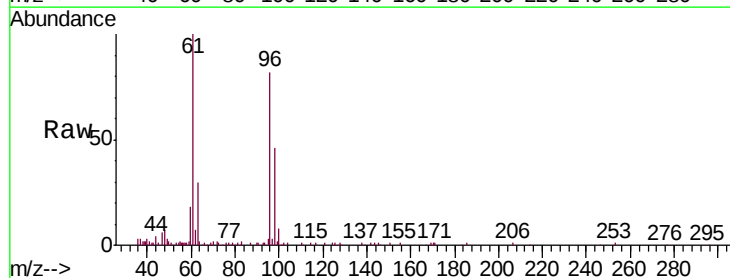
Tgt Ion: 96 Resp: 39349

Ion Ratio Lower Upper

96 100

61 114.7 0.0 258.6

98 62.7 0.0 132.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

20000

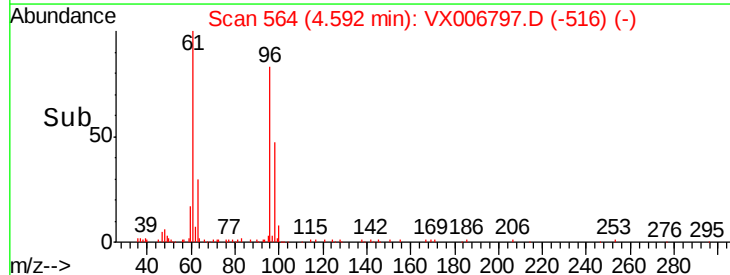
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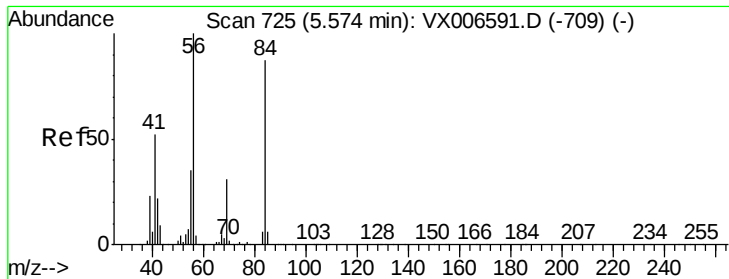
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Time-->





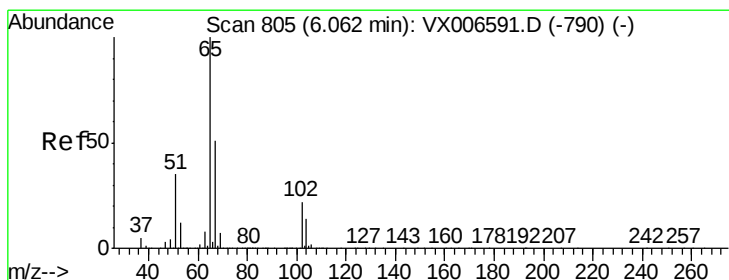
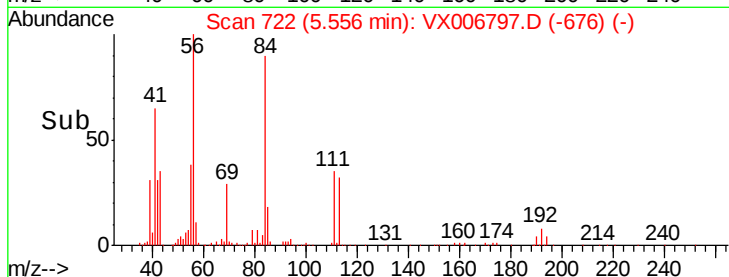
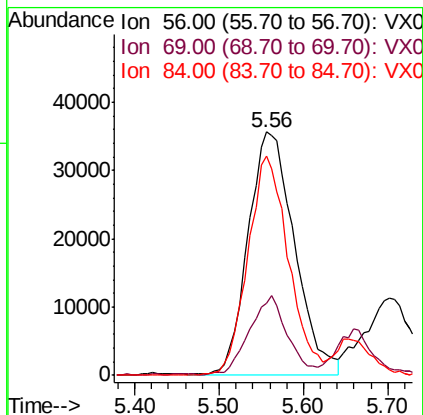
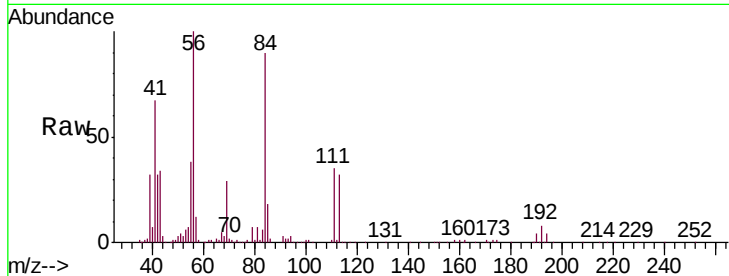
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Cyclohexane
Concen: 13.741 ug/l
RT: 5.56 min Scan# 722
Delta R.T. -0.02 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.7	24.4	36.6
84	89.8	70.0	105.0

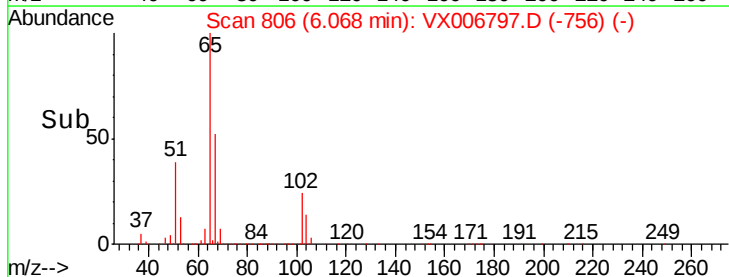
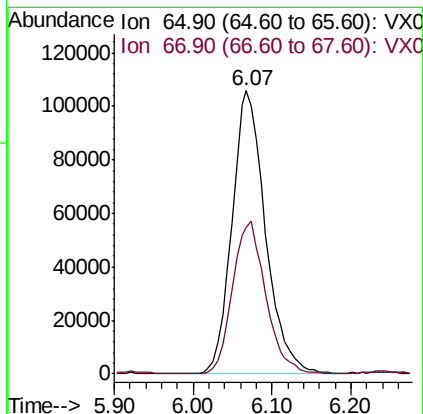
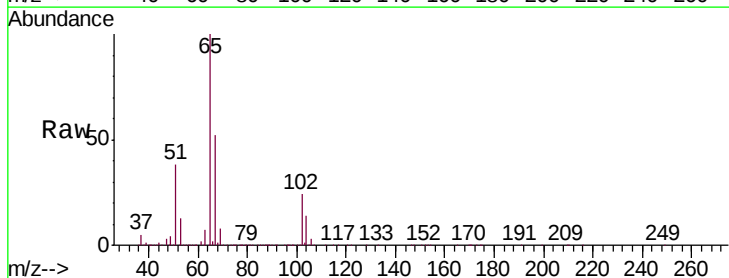
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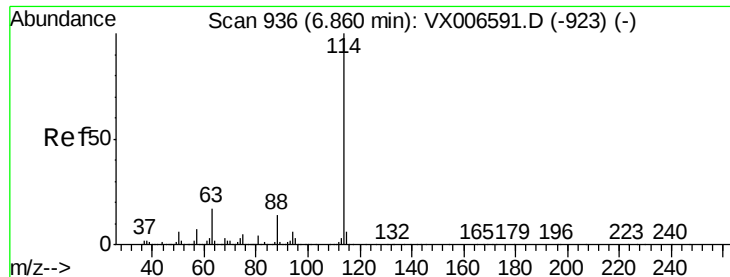
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#33
1,2-Dichloroethane-d4
Concen: 44.273 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Instrument :

MSVOA_X

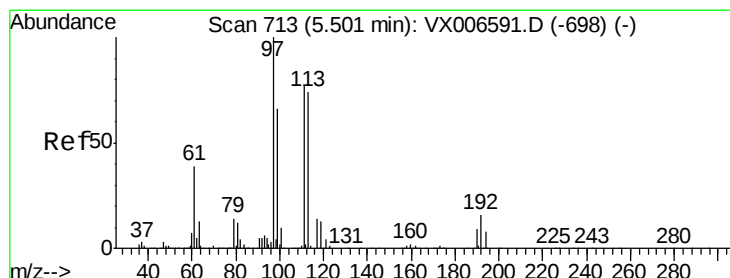
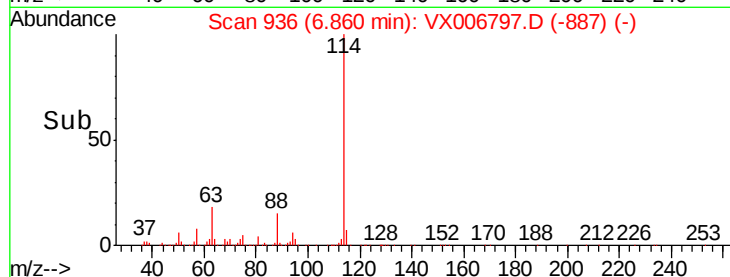
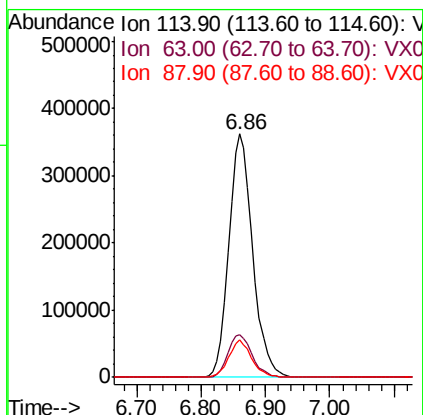
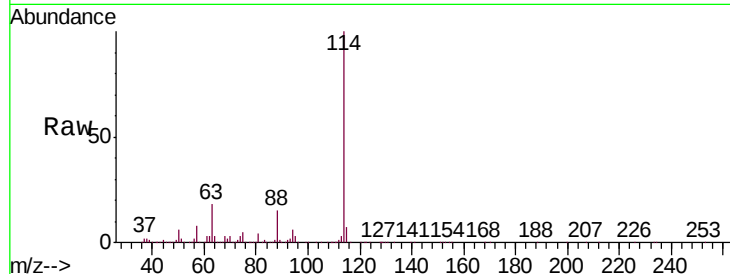
ClientSampleId :

P001-SS013C-3642-01ME

Tgt Ion:	114	Resp:	938112
Ion Ratio	Lower	Upper	
114	100		
63	17.7	0.0	34.8
88	15.3	0.0	28.8

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#35

Dibromofluoromethane

Concen: 42.944 ug/l

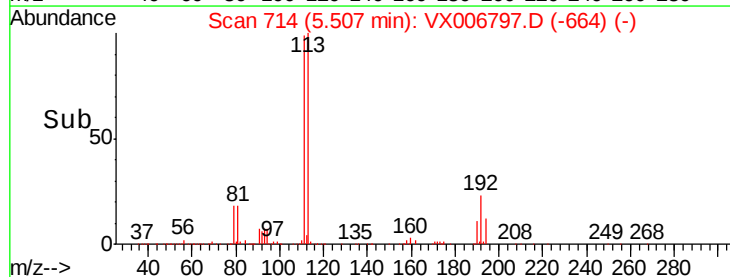
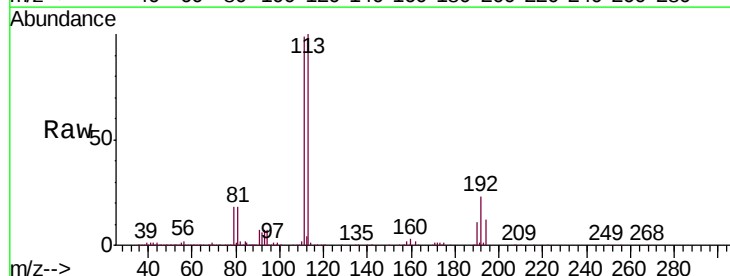
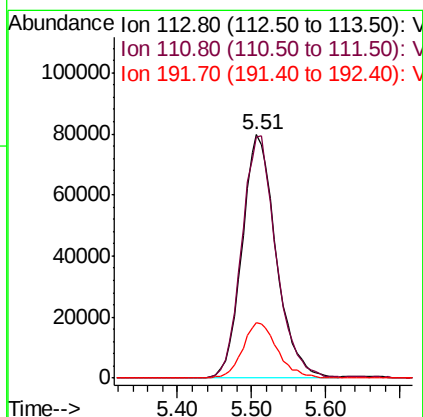
RT: 5.51 min Scan# 714

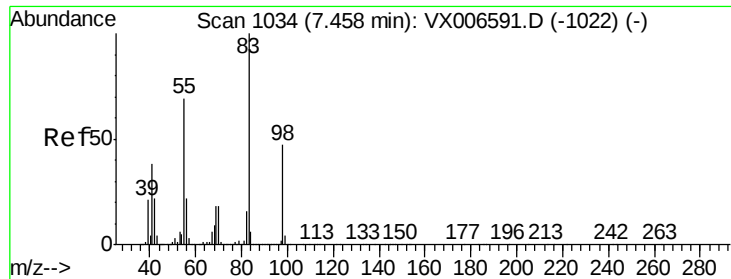
Delta R.T. 0.01 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Tgt Ion:	113	Resp:	254763
Ion Ratio	Lower	Upper	
113	100		
111	101.0	81.6	122.4
192	23.3	16.7	25.1





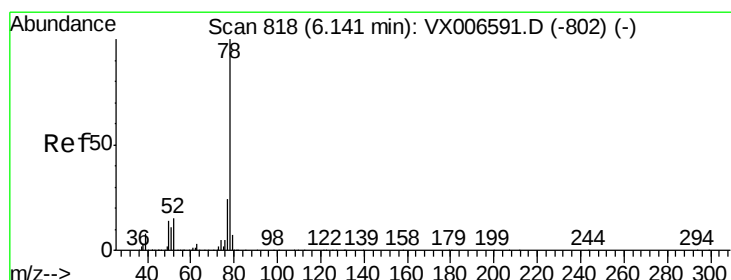
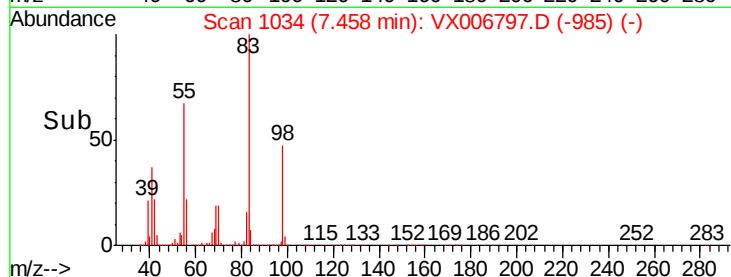
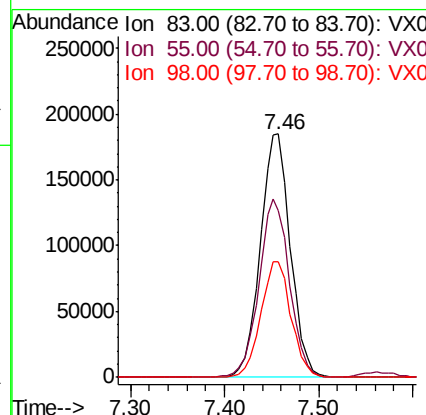
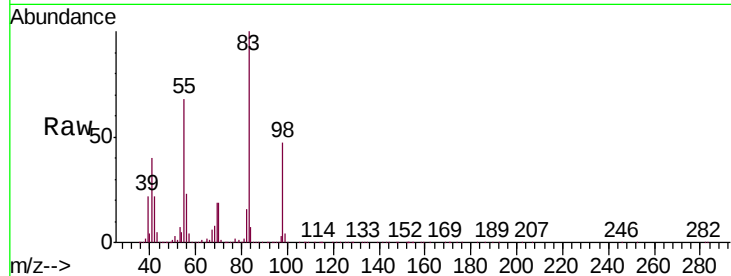
#39
Methylcyclohexane
Concen: 40.422 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	413479		
55	68.1	54.9	82.3	
98	47.2	37.9	56.9	

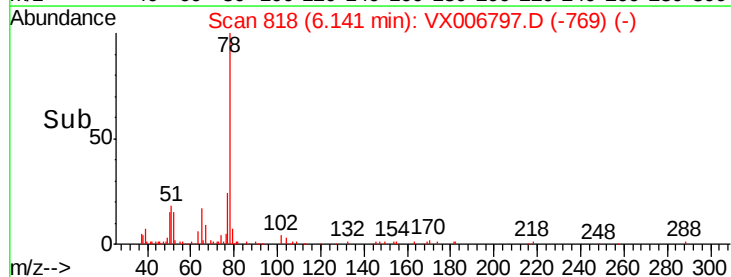
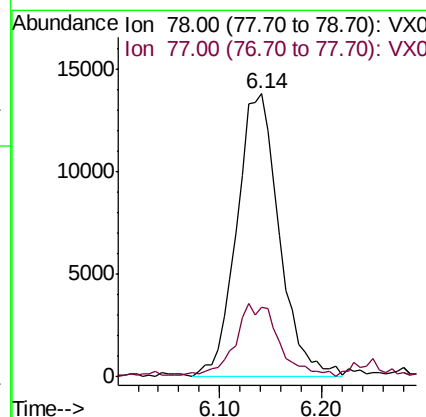
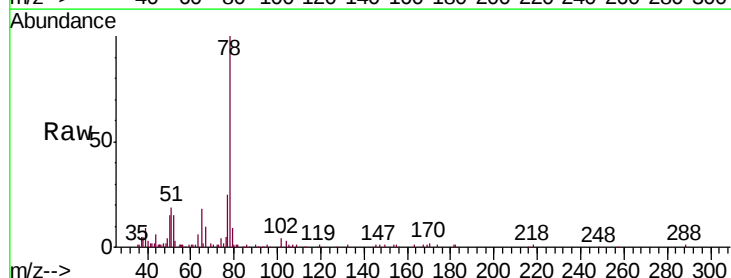
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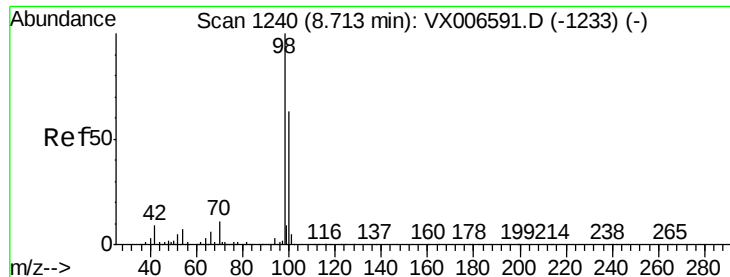
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#40
Benzene
Concen: 1.679 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	39645		
77	23.0	19.2	28.8	





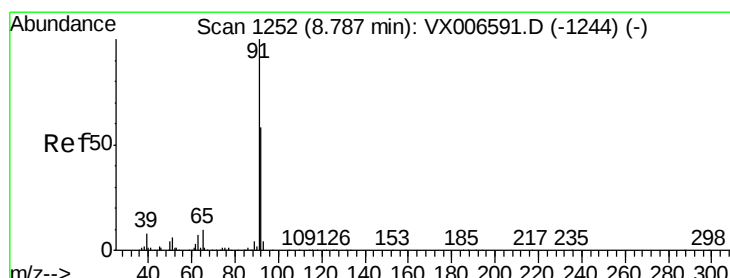
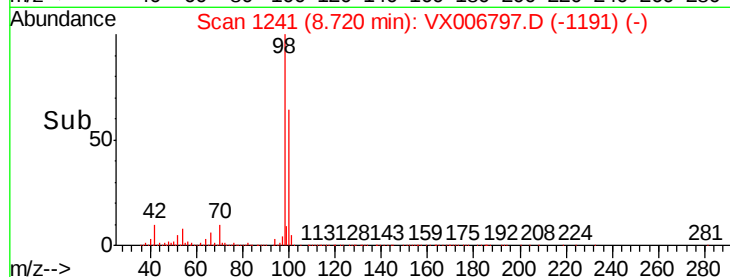
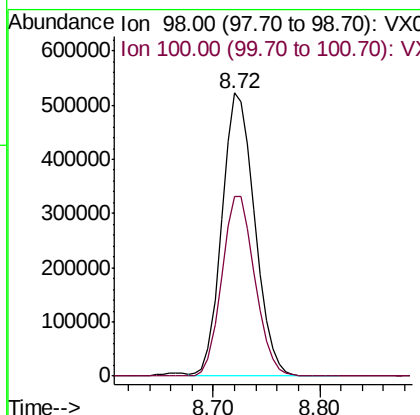
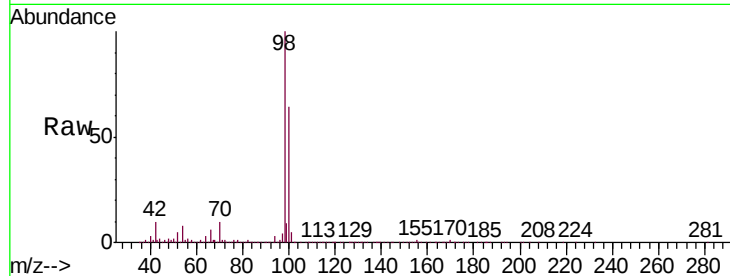
#50
Toluene-d8
Concen: 50.051 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

Tgt Ion: 98 Resp: 1119428
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

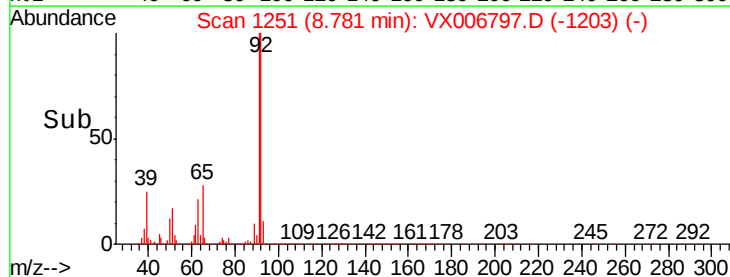
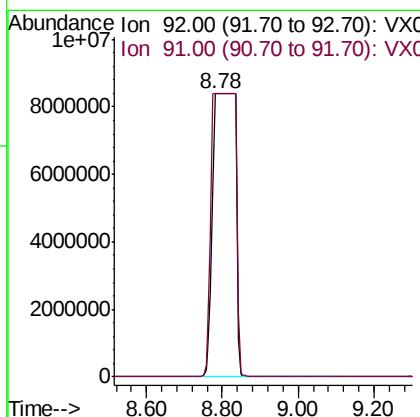
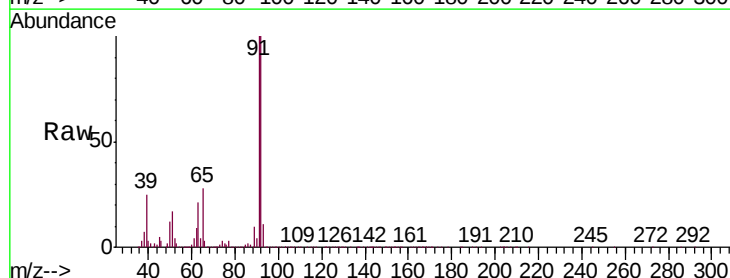
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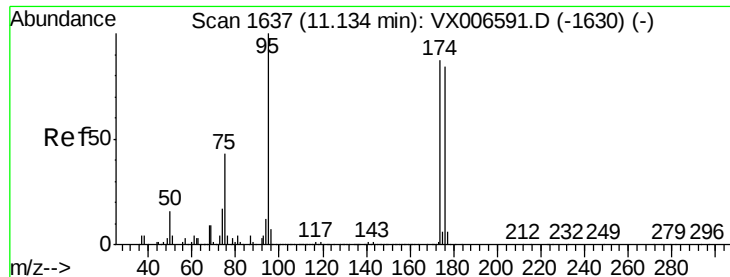
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#52
Toluene
Concen: 2262.394 ug/l m
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Tgt Ion: 92 Resp: 34519301
Ion Ratio Lower Upper
92 100
91 0.0 137.6 206.4#





#62

4-Bromofluorobenzene

Concen: 57.043 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Instrument :

MSVOA_X

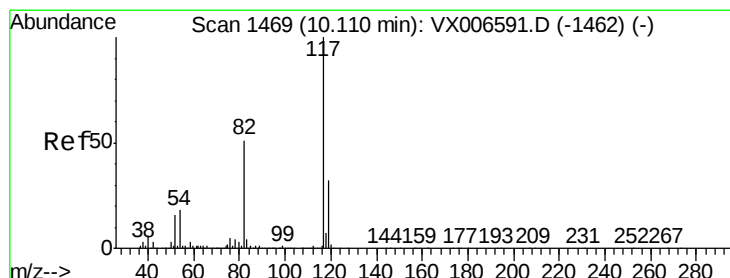
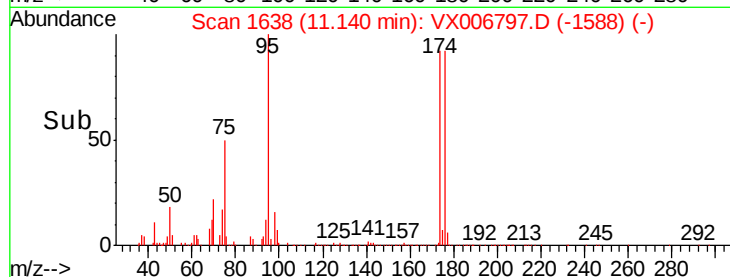
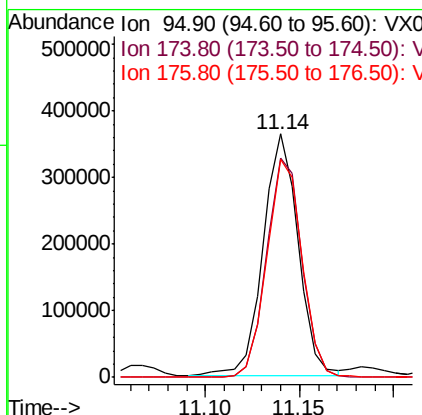
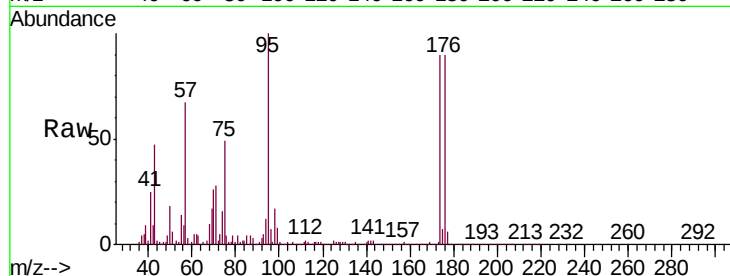
ClientSampleId :

P001-SS013C-3642-01ME

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	467248		
174	92.0	0.0	182.2	
176	90.6	0.0	178.8	

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

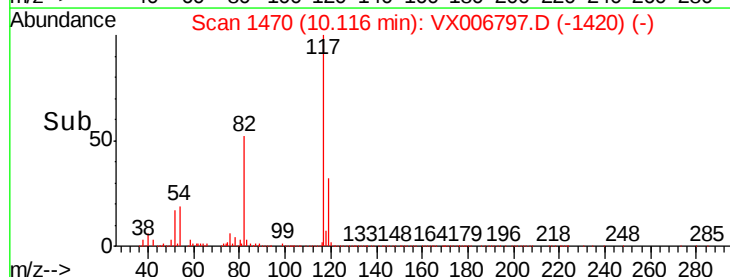
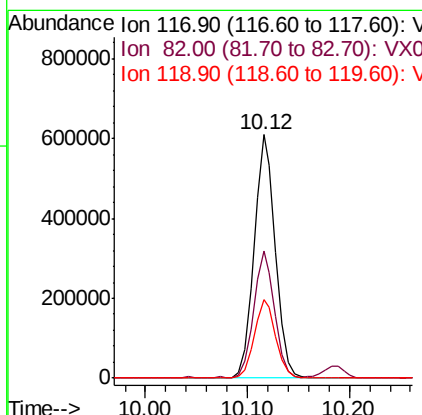
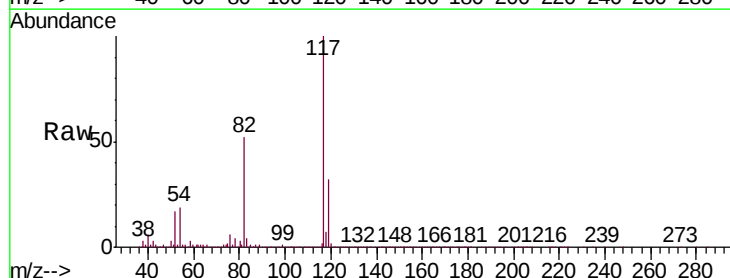
RT: 10.12 min Scan# 1470

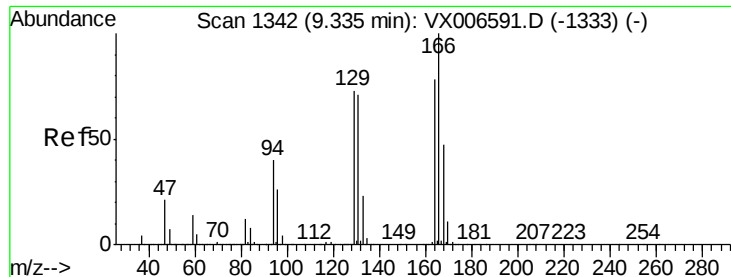
Delta R.T. 0.01 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	887185		
82	51.8	41.0	61.6	
119	32.1	25.4	38.0	





#64

Tetrachloroethene

Concen: 0.905 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Instrument :

MSVOA_X

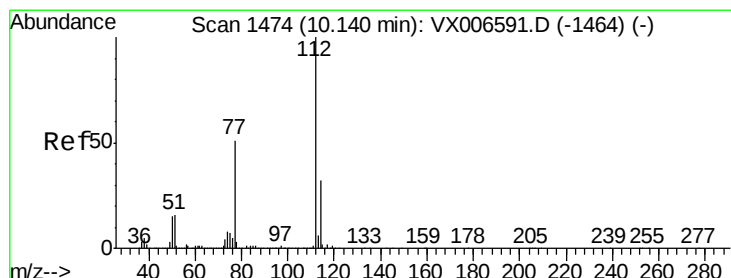
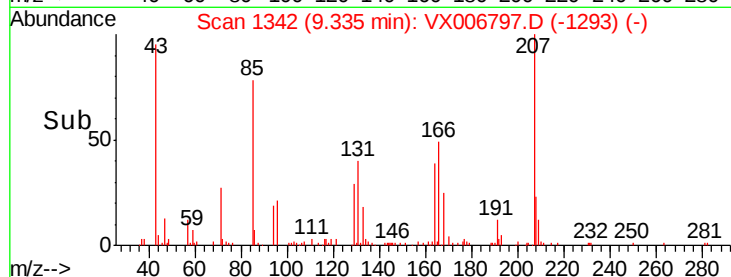
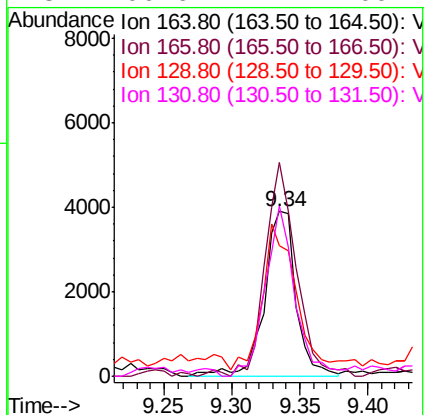
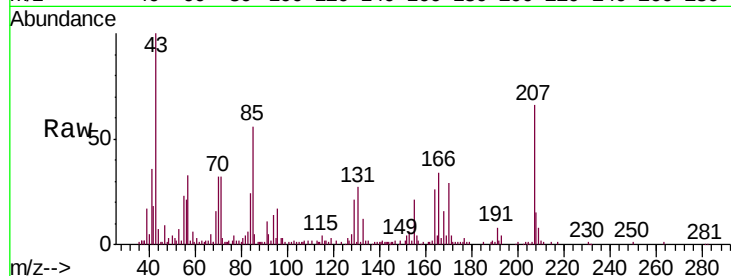
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Tgt Ion:	164	Resp:	6357
Ion Ratio	Lower	Upper	
164	100		
166	127.6	102.5	153.7
129	69.7	75.1	112.7#
131	100.6	72.7	109.1

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#65

Chlorobenzene

Concen: 2.323 ug/l

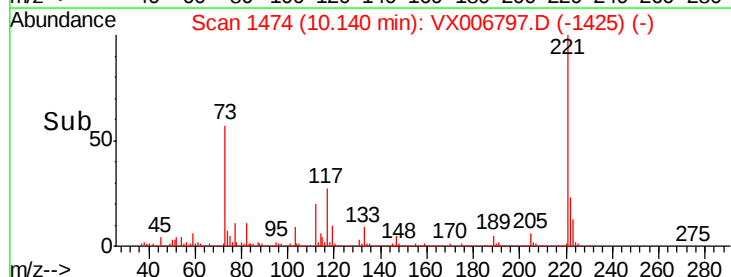
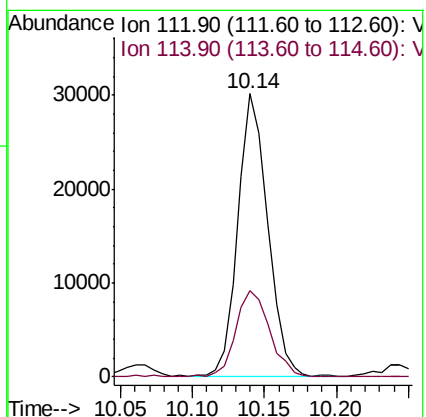
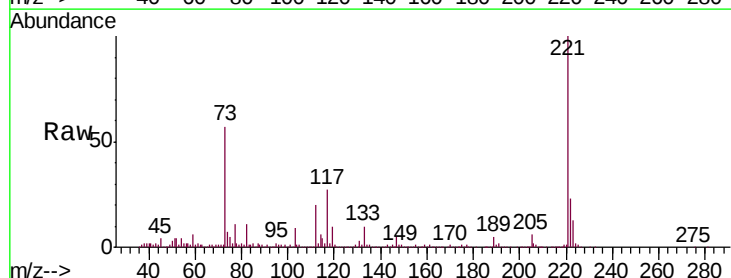
RT: 10.14 min Scan# 1474

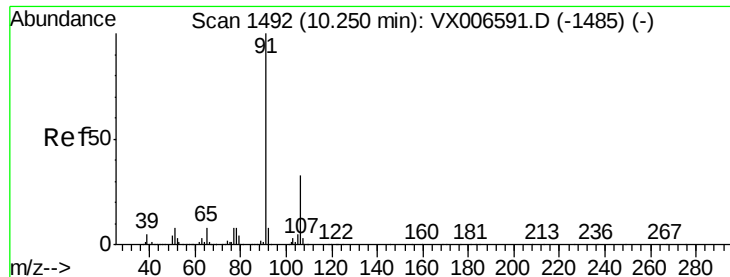
Delta R.T. -0.00 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Tgt Ion:	112	Resp:	43606
Ion Ratio	Lower	Upper	
112	100		
114	30.7	25.7	38.5





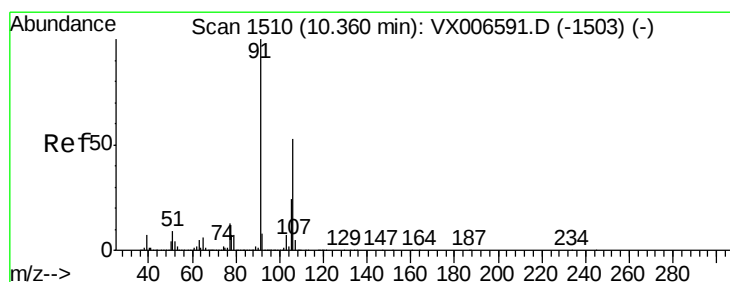
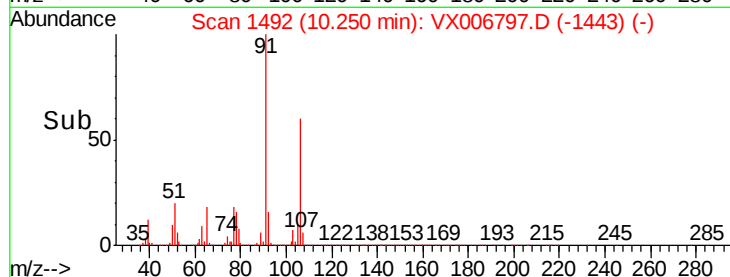
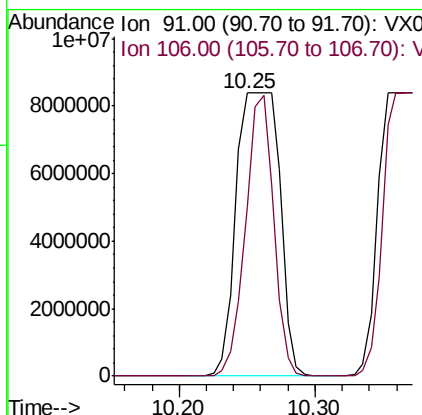
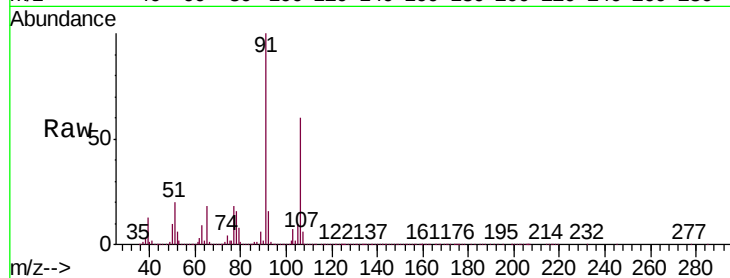
#67
Ethyl Benzene
Concen: 613.183 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

Tgt Ion: 91 Resp:18806390
Ion Ratio Lower Upper
91 100
106 59.9 26.4 39.6#

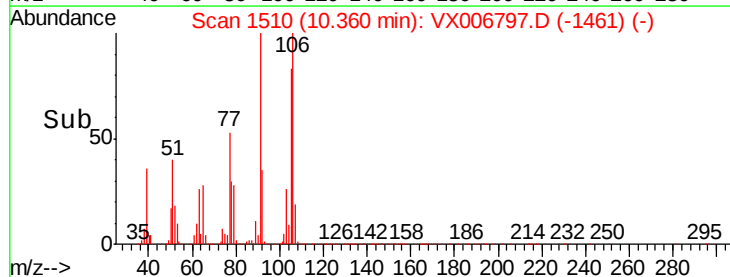
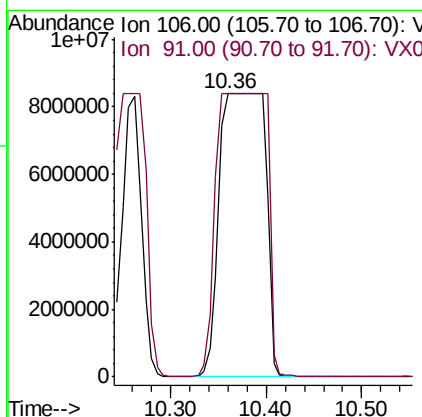
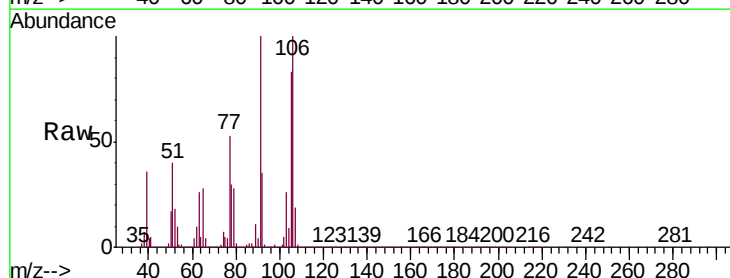
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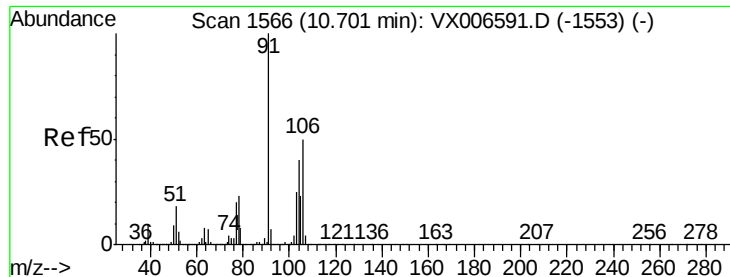
MMDadoda
12/26/2018 9:57:41 AM



#68
m/p-Xylenes
Concen: 2299.833 ug/l m
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Tgt Ion:106 Resp:27833363
Ion Ratio Lower Upper
106 100
91 67.6 155.8 233.6#





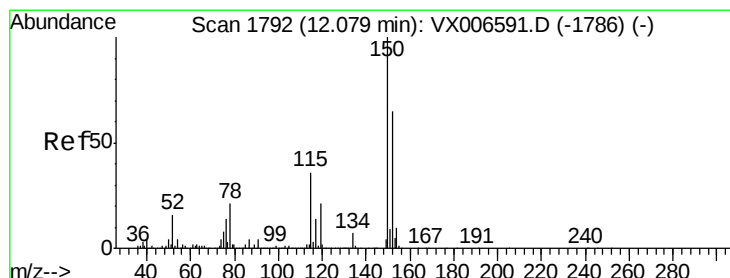
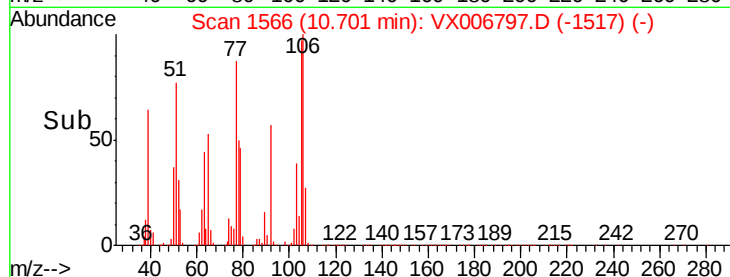
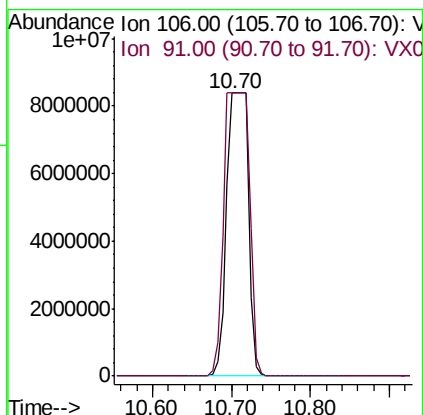
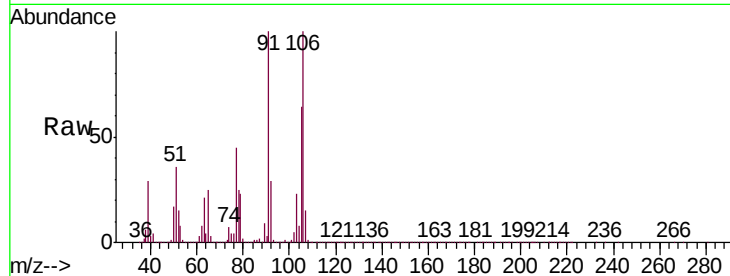
#69
o-Xylene
Concen: 1356.243 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

Tgt Ion:106 Resp:16208170
Ion Ratio Lower Upper
106 100
91 0.0 101.3 303.7#

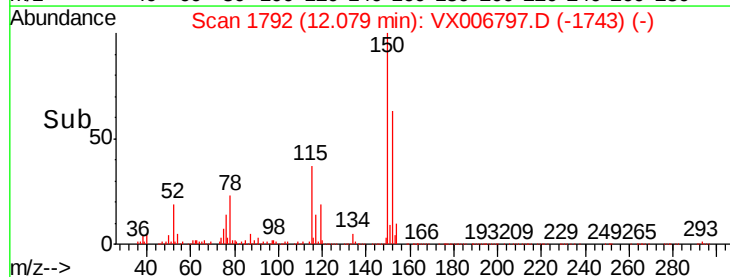
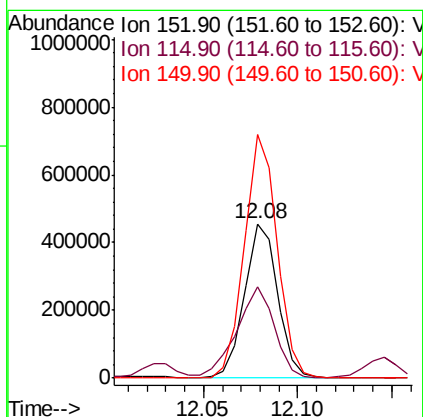
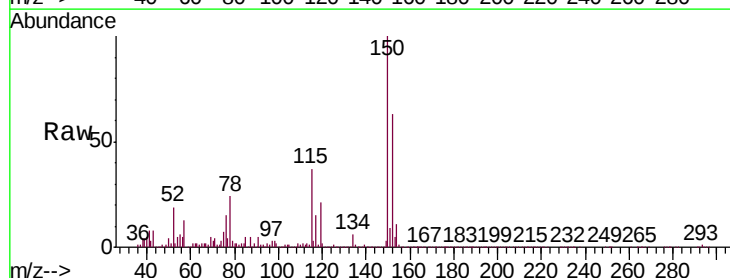
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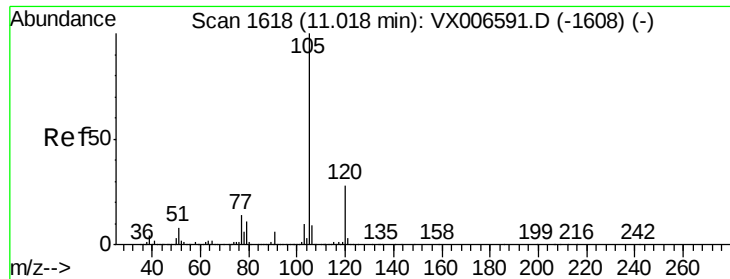
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Tgt Ion:152 Resp: 550398
Ion Ratio Lower Upper
152 100
115 67.2 39.1 117.2
150 157.4 0.0 344.8





#73

Isopropylbenzene

Concen: 22.070 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

P001-SS013C-3642-01ME

Tgt Ion:105 Resp: 831032

Ion Ratio Lower Upper

105 100

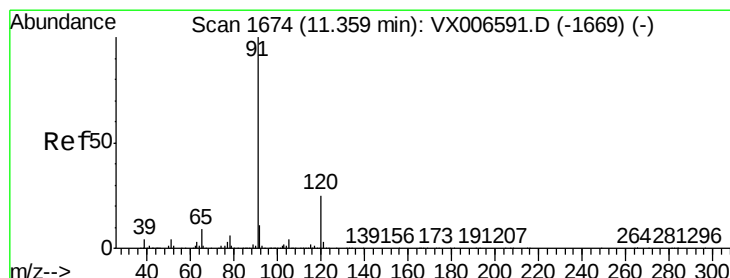
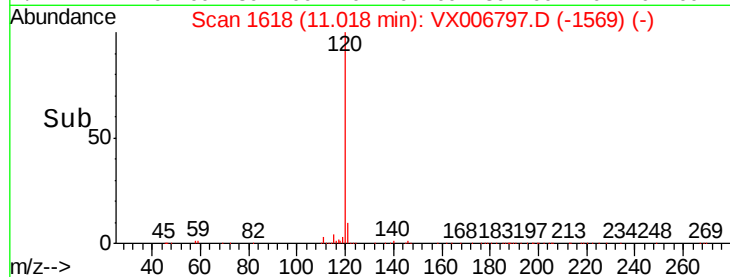
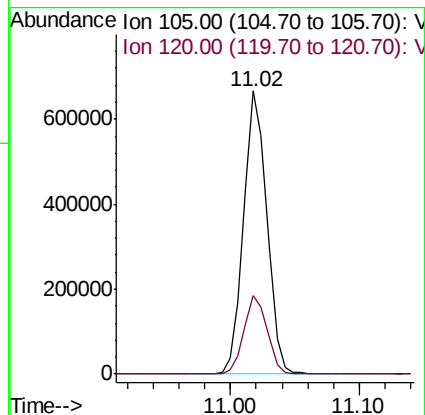
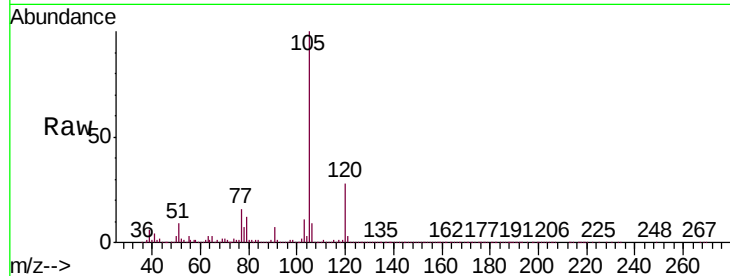
120 27.6 14.1 42.4

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#78

n-propylbenzene

Concen: 45.504 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006797.D

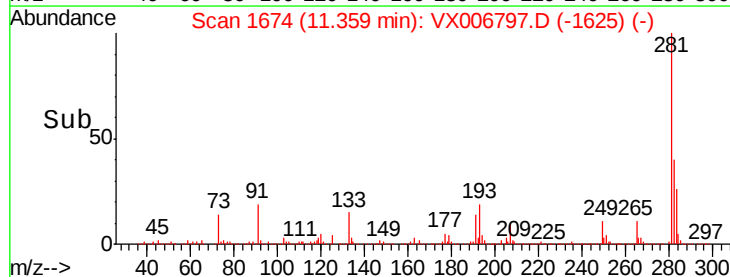
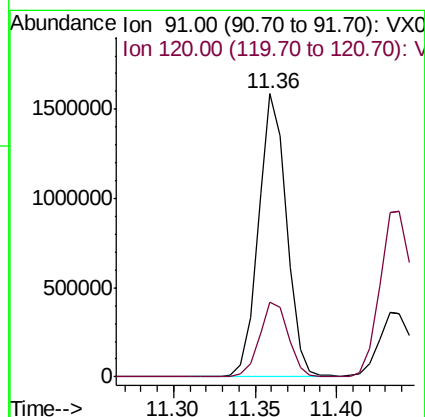
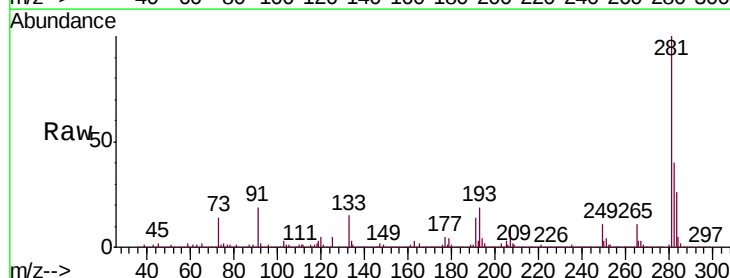
Acq: 24 Dec 2018 16:11

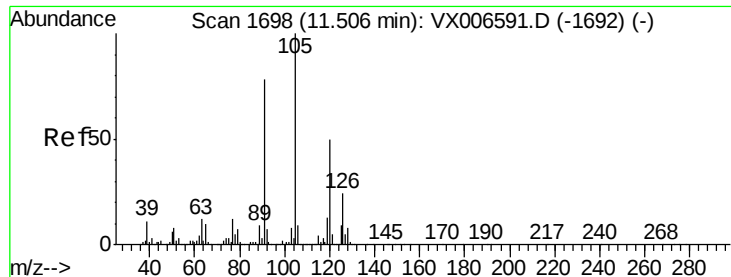
Tgt Ion: 91 Resp: 1886779

Ion Ratio Lower Upper

91 100

120 27.2 12.7 38.0





#80

1,3,5-Trimethylbenzene

Concen: 63.102 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

P001-SS013C-3642-01ME

Tgt Ion:105 Resp: 1957041

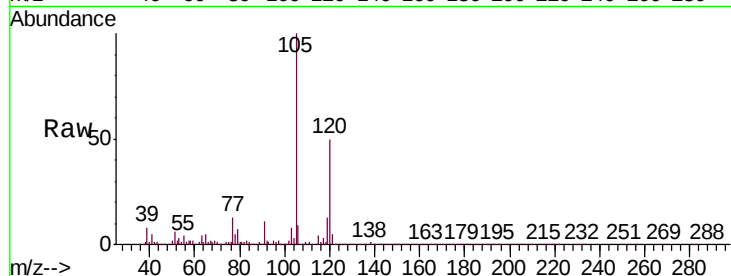
Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.3

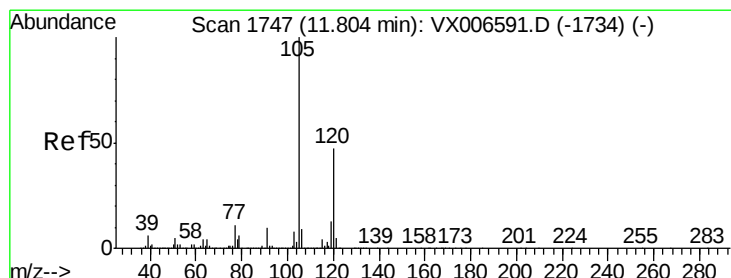
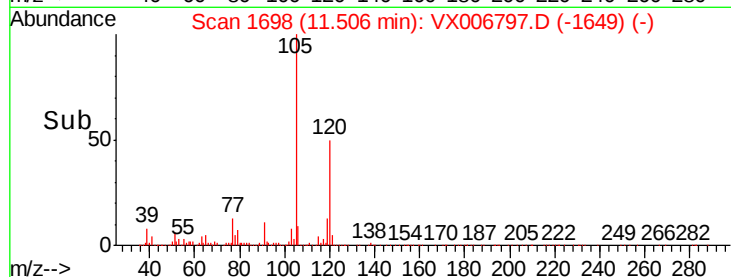
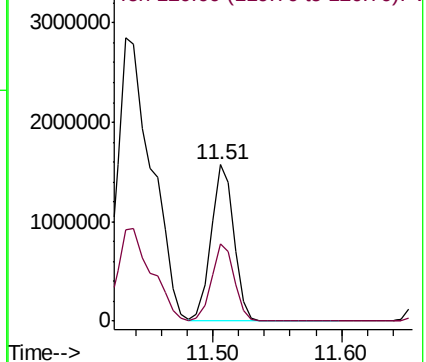
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 174.680 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006797.D

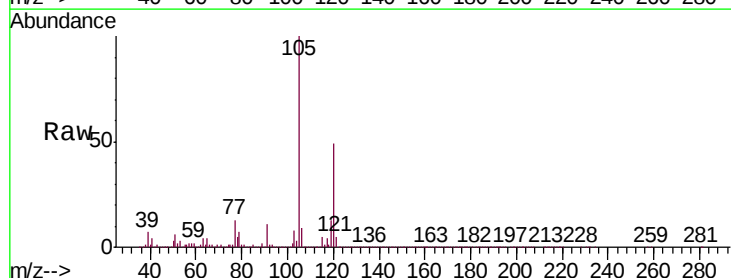
Acq: 24 Dec 2018 16:11

Tgt Ion:105 Resp: 5698337

Ion Ratio Lower Upper

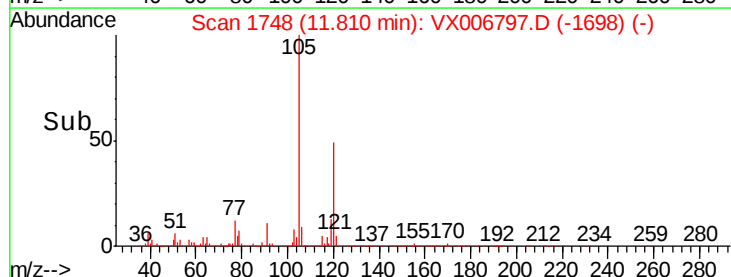
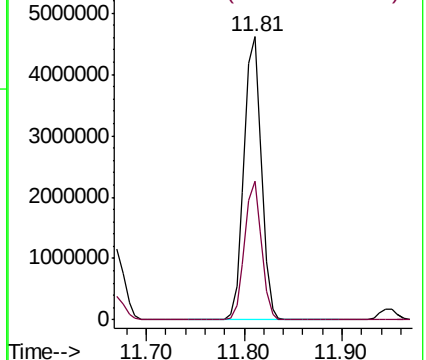
105 100

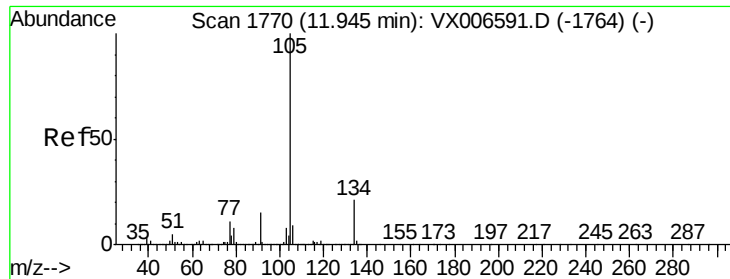
120 47.4 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.006 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006797.D

Acq: 24 Dec 2018 16:11

Instrument :

MSVOA_X

ClientSampleId :

P001-SS013C-3642-01ME

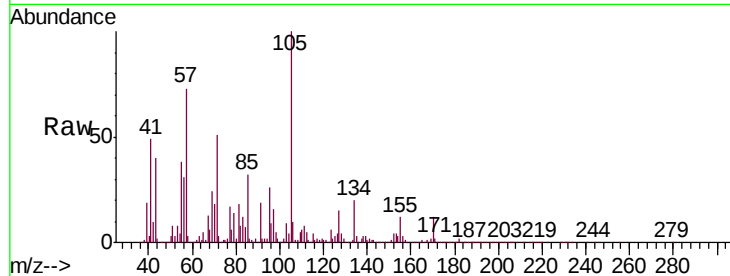
Tgt Ion:105 Resp: 228562
Ion Ratio Lower Upper

105 100

134 20.8 10.7 31.9

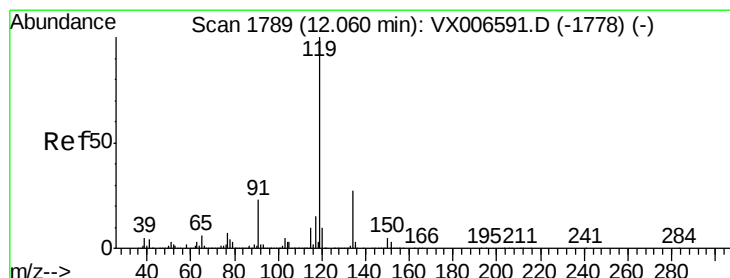
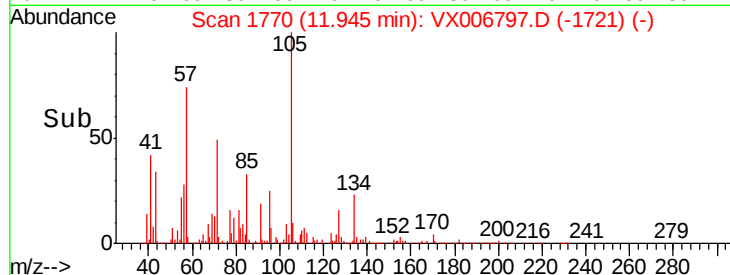
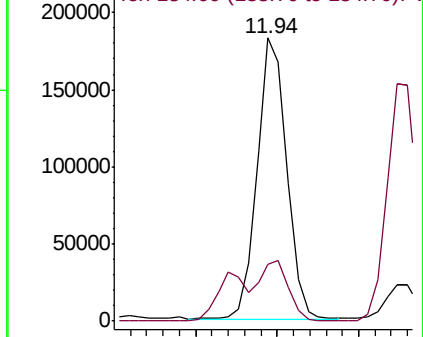
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 27.810 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006797.D

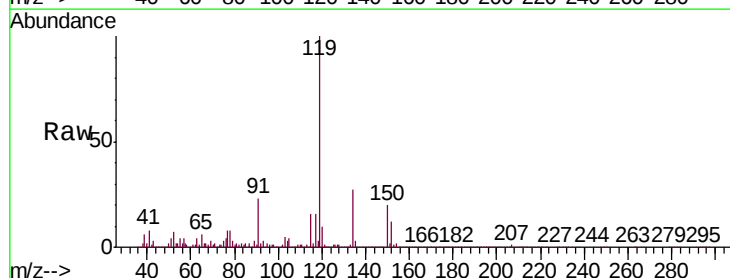
Acq: 24 Dec 2018 16:11

Tgt Ion:119 Resp: 930337
Ion Ratio Lower Upper

119 100

134 27.2 14.0 41.9

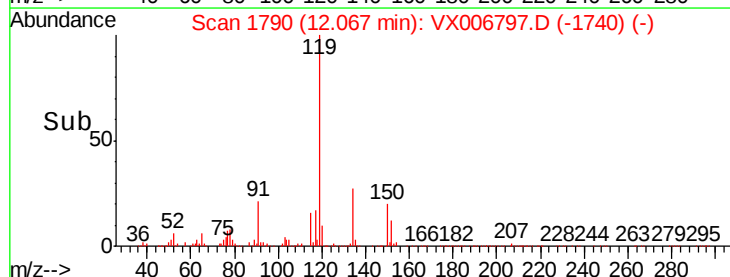
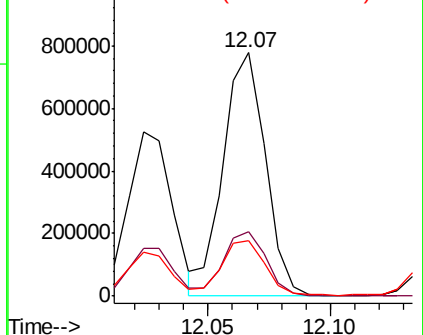
91 23.1 11.3 33.9

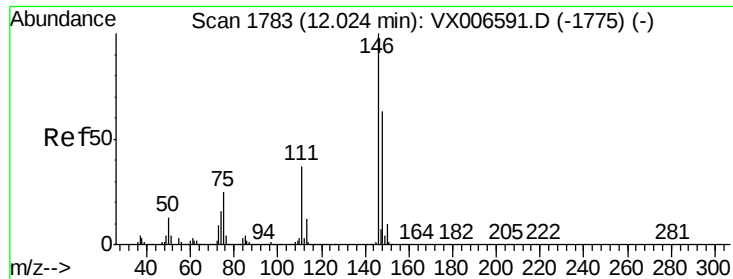


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





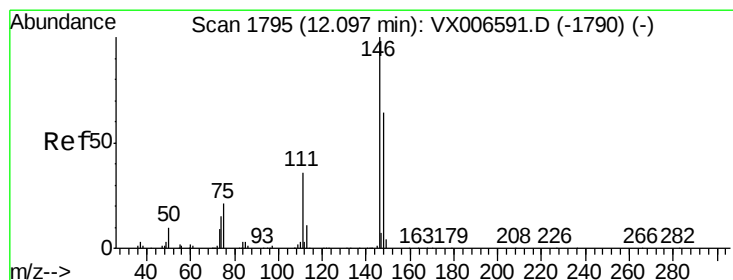
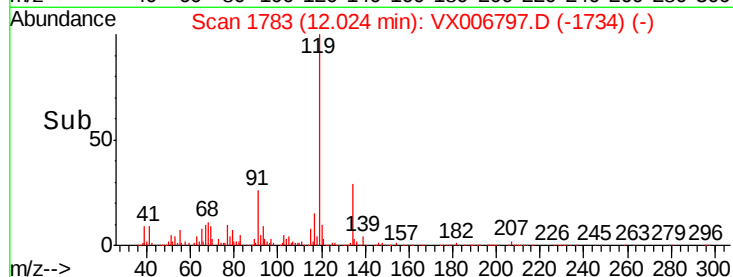
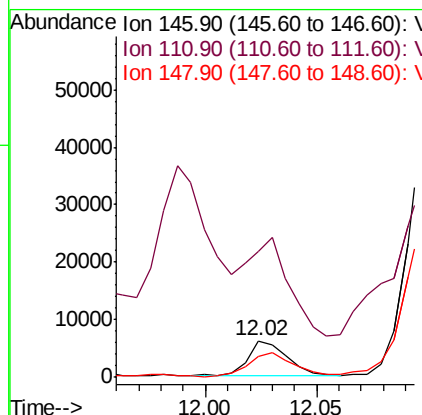
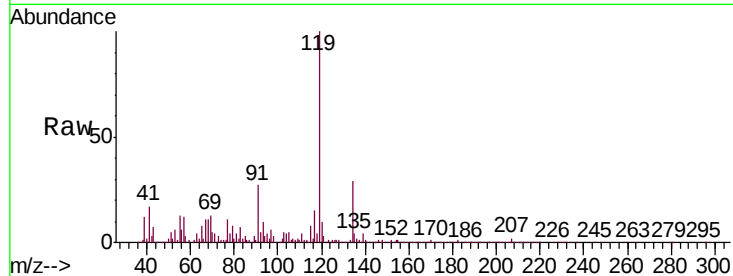
#87
 1,3-Dichlorobenzene
 Concen: 0.397 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006797.D
 Acq: 24 Dec 2018 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS013C-3642-01ME

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.6	55.8#
148	77.3	31.8	95.3

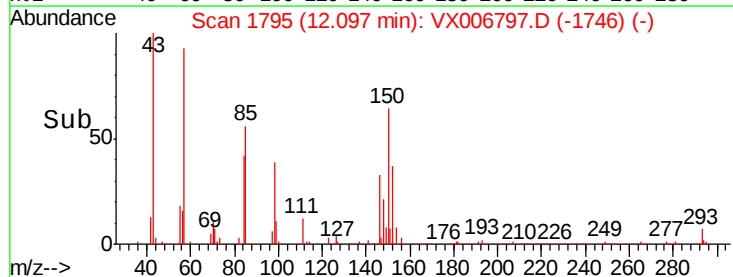
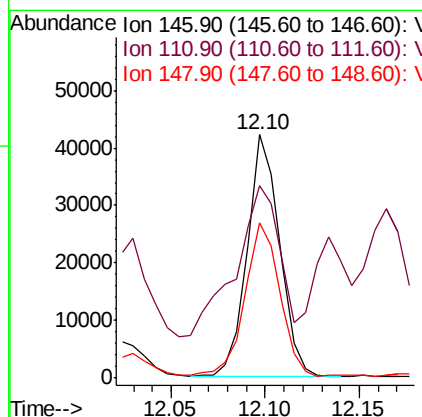
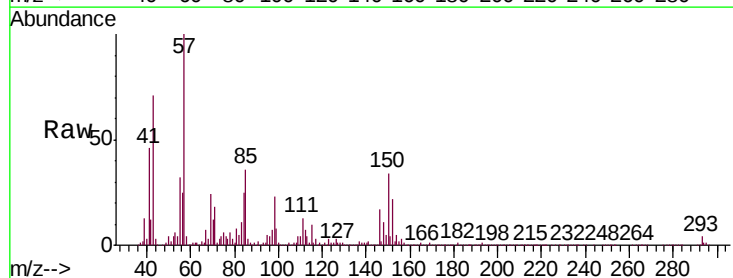
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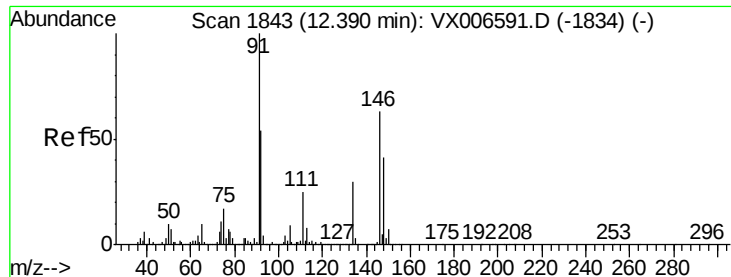
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#88
 1,4-Dichlorobenzene
 Concen: 2.650 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006797.D
 Acq: 24 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	84.2	18.1	54.1#
148	69.1	31.9	95.9





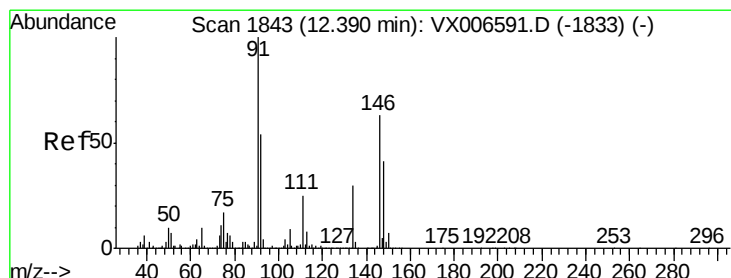
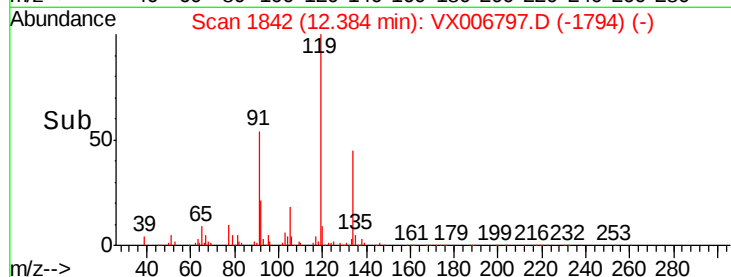
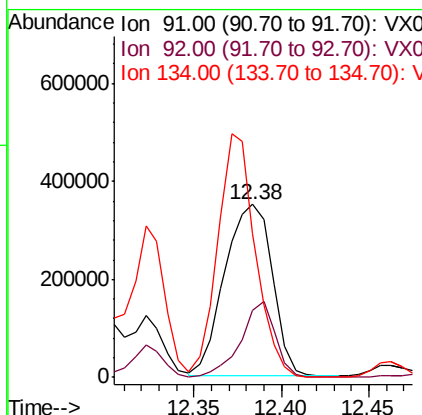
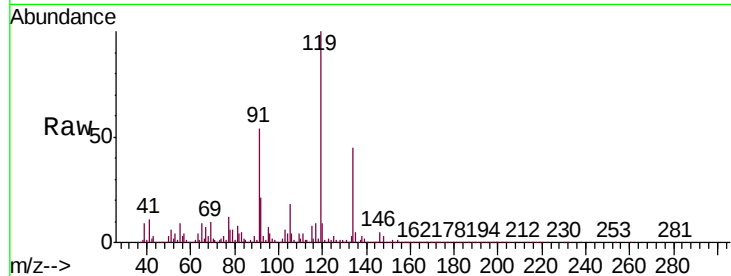
#89
n-Butylbenzene
Concen: 23.108 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Instrument :
MSVOA_X
ClientSampleId :
P001-SS013C-3642-01ME

Tgt Ion	Ratio	Lower	Upper
91	100		
92	31.9	26.8	80.4
134	112.4	14.4	43.2#

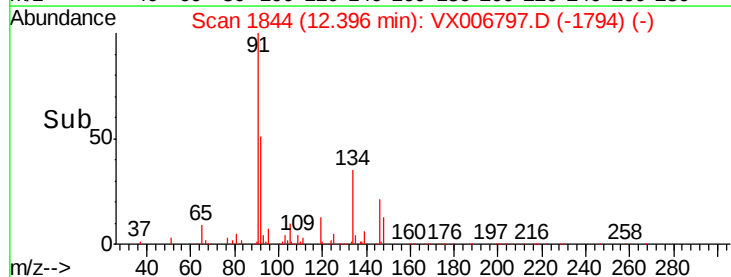
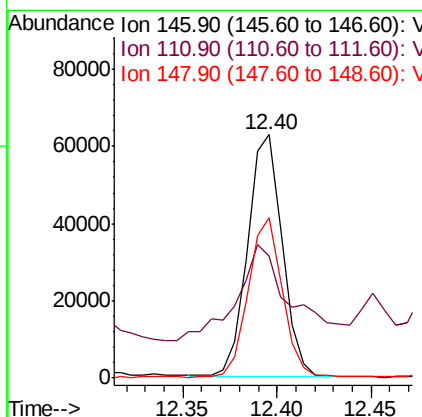
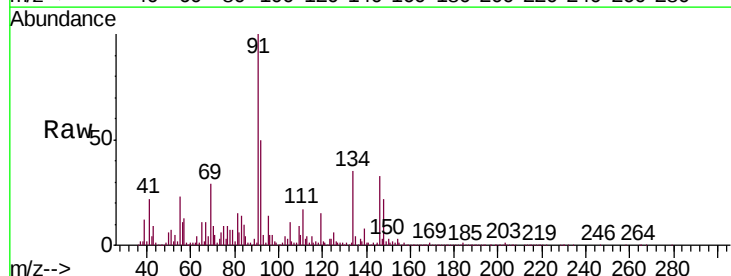
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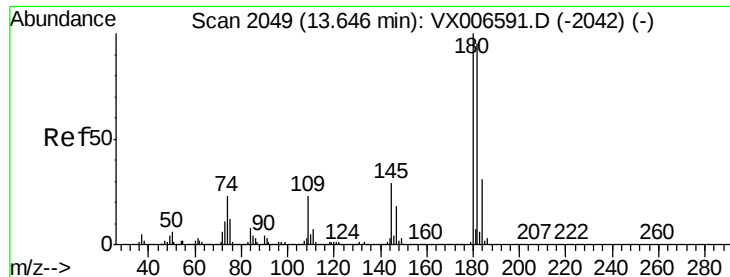
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#91
1,2-Dichlorobenzene
Concen: 4.336 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX006797.D
Acq: 24 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	63.0	19.4	58.2#
148	65.3	32.3	96.9





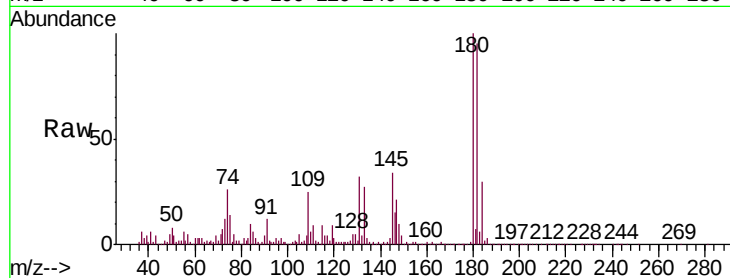
#93
 1,2,4-Trichlorobenzene
 Concen: 93.470 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006797.D
 Acq: 24 Dec 2018 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS013C-3642-01ME

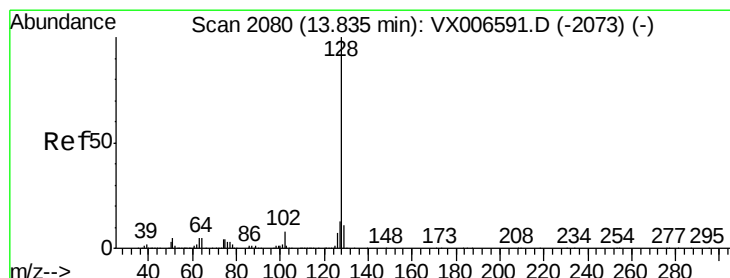
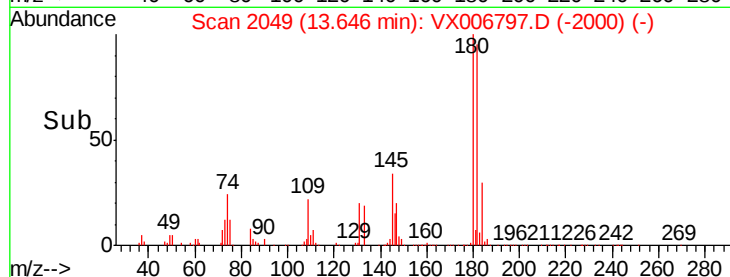
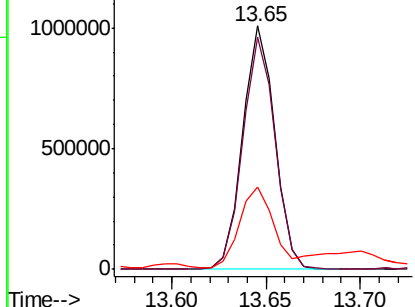
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	142.0
145	37.7	14.8	44.3

Manual Integrations
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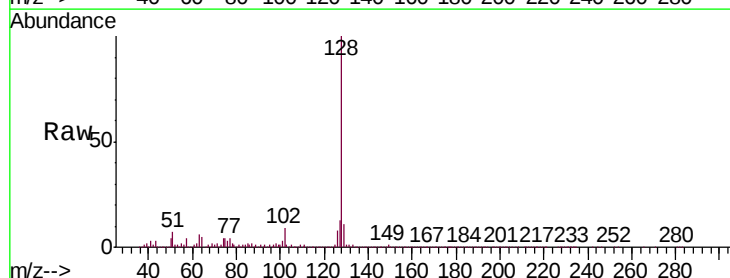


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

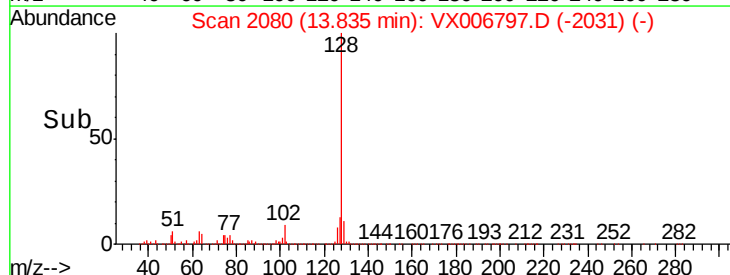
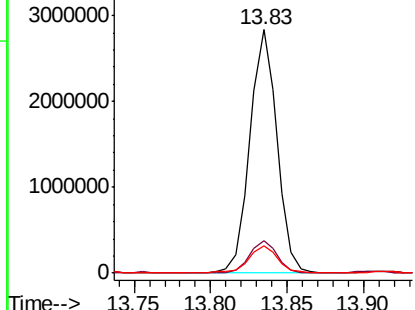


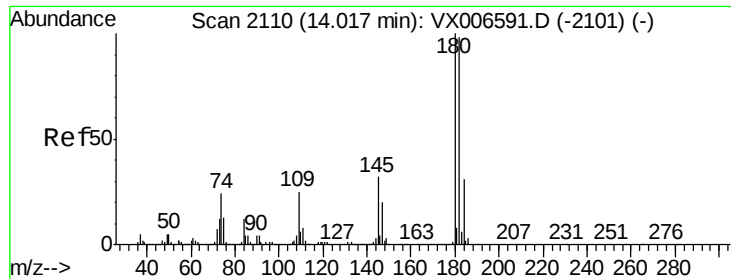
#95
 Naphthalene
 Concen: 85.767 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX006797.D
 Acq: 24 Dec 2018 16:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	11.8	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 18.623 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX006797.D
 Acq: 24 Dec 2018 16:11

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-SS013C-3642-01ME

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.2	48.5	145.5
145	61.4	16.0	47.9#

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 9:57:41 AM

