

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
 Data File : VX008916.D
 Acq On : 13 Apr 2019 03:35
 Operator : JC/SP
 Sample : K2381-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-3

Manual Integrations
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MMDadoda
 4/13/2019 2:12:32 PM

Quant Time: Apr 13 10:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	199435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113849	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	129647	44.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.14%	
35) Dibromofluoromethane	5.49	113	94296	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
50) Toluene-d8	8.71	98	398843	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	129478	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.05	59	5802	8.520	ug/l #	84
16) Acetone	2.45	43	1395399	832.862	ug/l	99
17) Carbon Disulfide	2.57	76	33380	4.338	ug/l	96
18) Methyl Acetate	2.78	43	468363	115.264	ug/l	98
20) Methylene Chloride	2.85	84	1453	0.518	ug/l	93
25) 2-Butanone	4.67	43	174151	65.766	ug/l	98
30) Chloroform	5.21	83	2460	0.547	ug/l	98
37) Ethyl Acetate	4.83	43	966962	207.913	ug/l	99
52) Toluene	8.79	92	11838	1.934	ug/l	92
64) Tetrachloroethene	9.34	164	45302	22.448	ug/l	99
67) Ethyl Benzene	10.25	91	5052	0.449	ug/l	96
68) m/p-Xylenes	10.35	106	8099	2.001	ug/l	98
69) o-Xylene	10.69	106	4897	1.248	ug/l	95
73) Isopropylbenzene	11.02	105	4056	0.430	ug/l	98
78) n-propylbenzene	11.36	91	21813	1.986	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	48503	6.124	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	190006	23.693	ug/l	99
85) sec-Butylbenzene	11.94	105	16900	1.867	ug/l	96
86) p-Isopropyltoluene	12.06	119	17057m	2.100	ug/l	
89) n-Butylbenzene	12.38	91	50363	6.611	ug/l #	45
95) Naphthalene	13.83	128	279233	29.805	ug/l	99

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

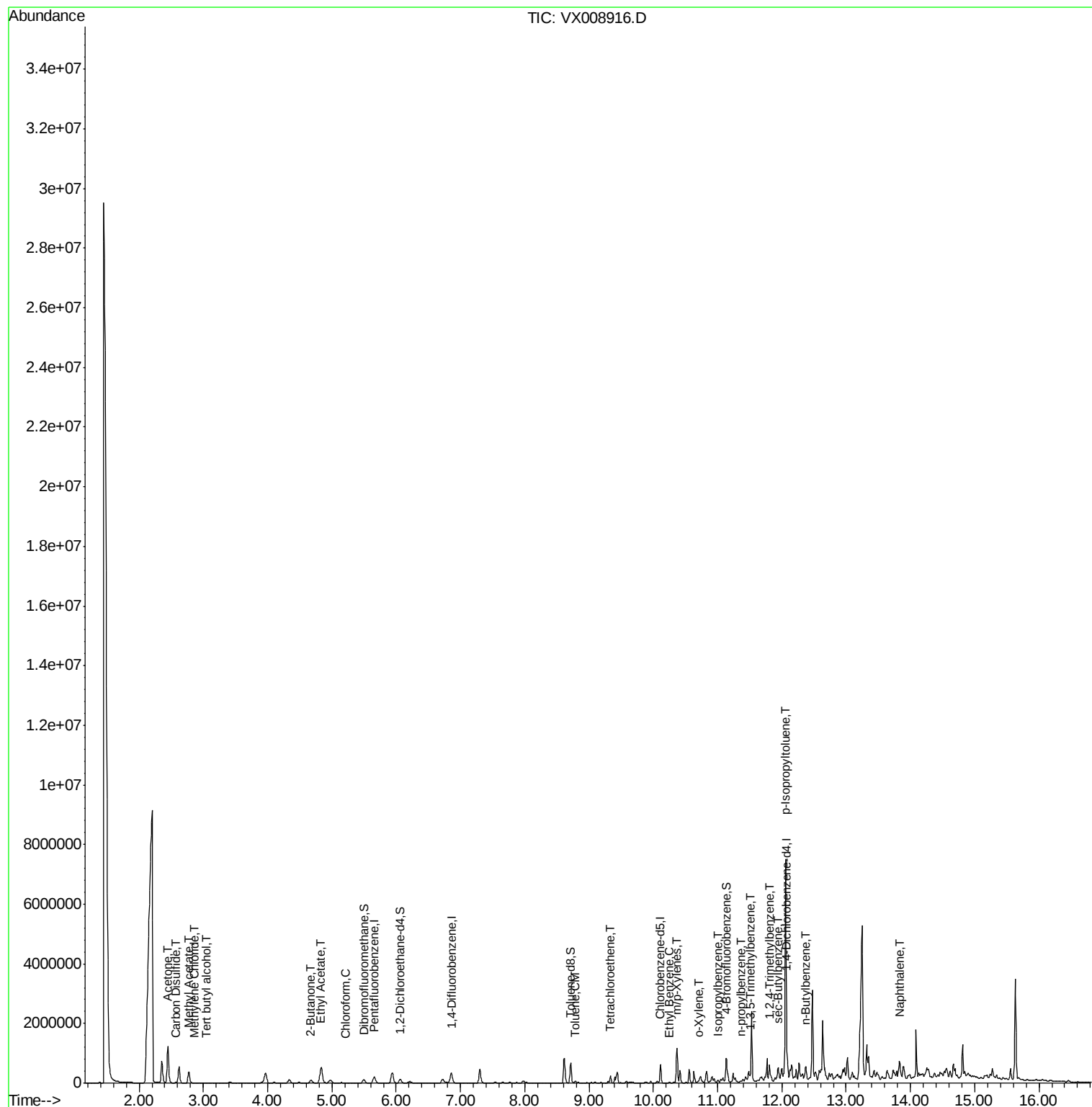
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX041219\
Data File : VX008916.D
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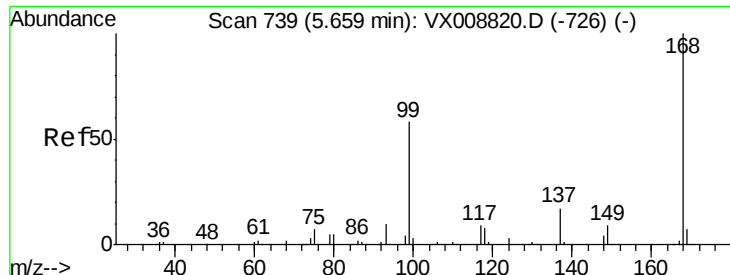
Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

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Quant Time: Apr 13 10:30:15 2019
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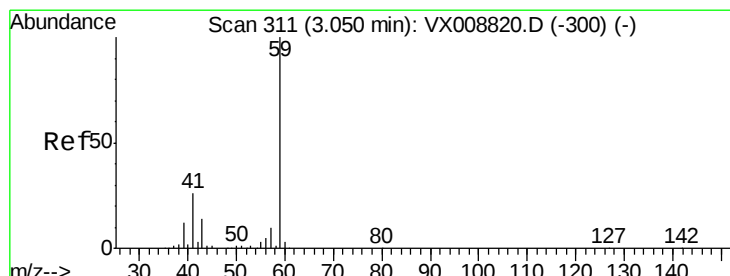
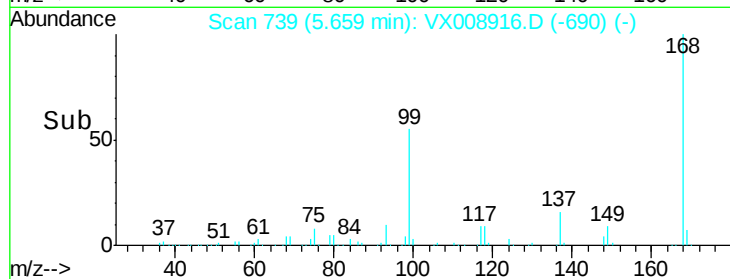
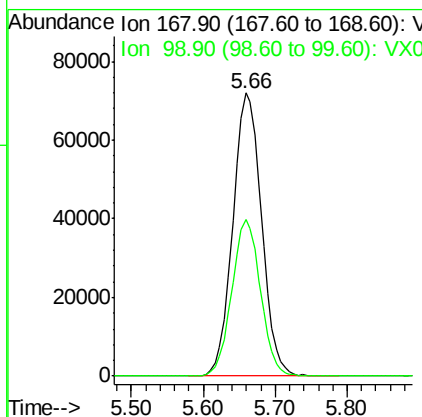
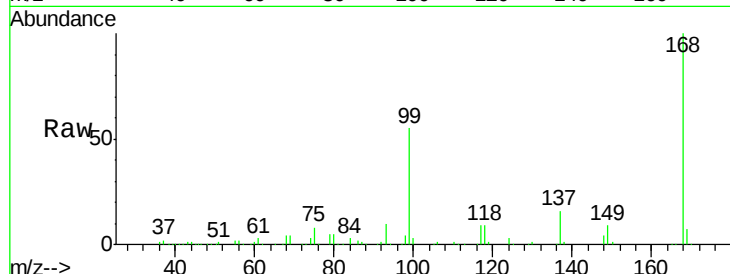
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	199435		
99	55.4	46.7	70.1	

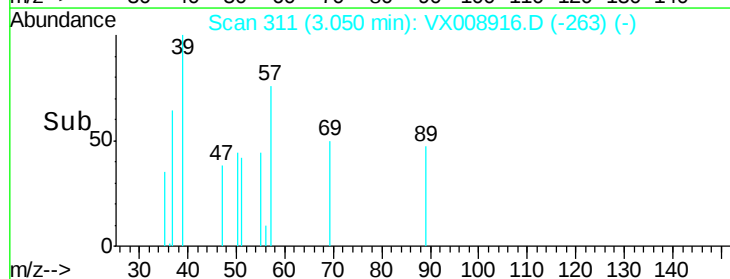
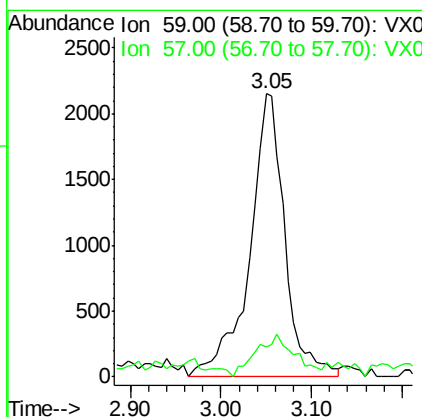
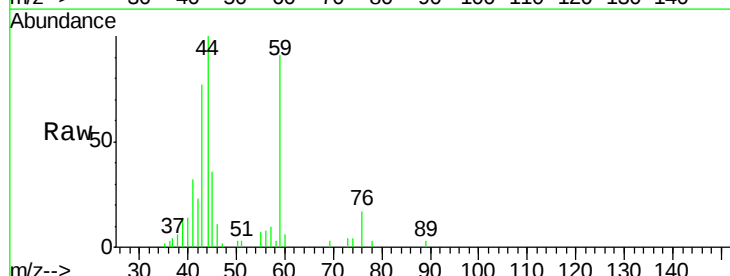
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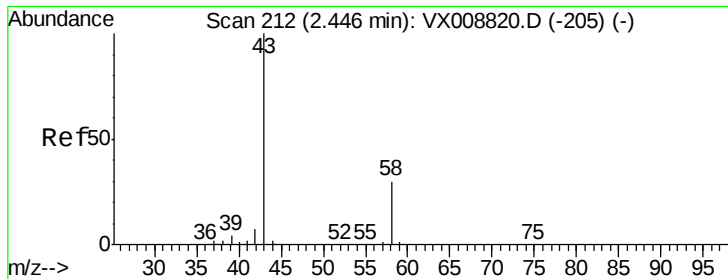
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#11
Tert butyl alcohol
Concen: 8.520 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	5802		
57	16.4	8.3	12.5	





#16

Acetone

Concen: 832.862 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-3

Tgt Ion: 43 Resp: 1395399

Ion Ratio Lower Upper

43 100

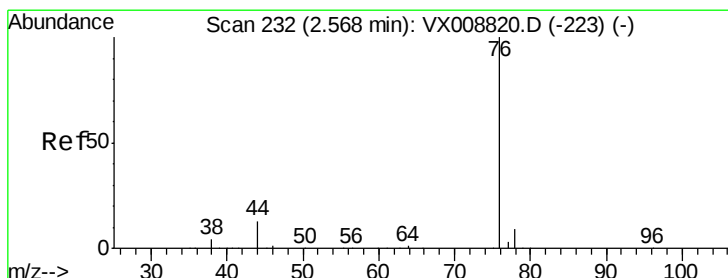
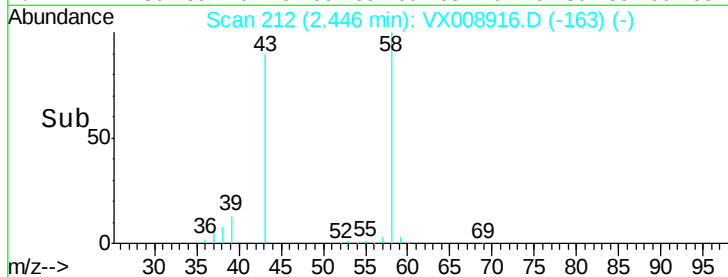
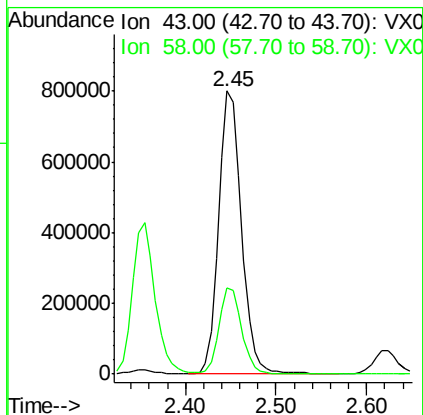
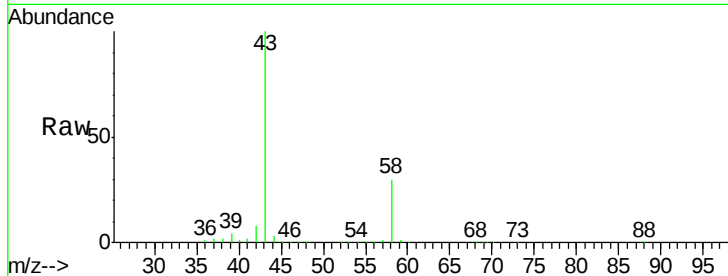
58 30.5 24.8 37.2

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#17

Carbon Disulfide

Concen: 4.338 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008916.D

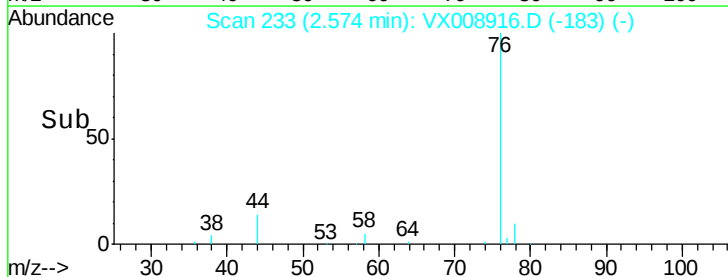
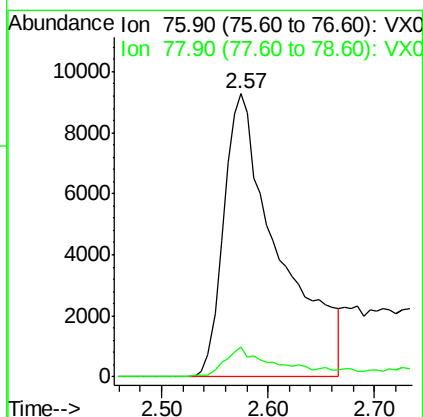
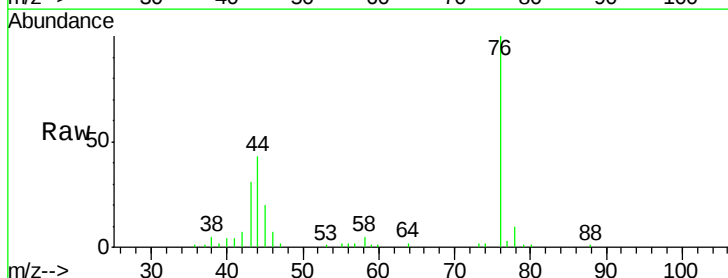
Acq: 13 Apr 2019 03:35

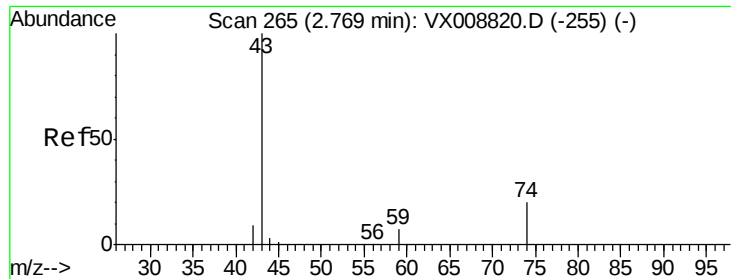
Tgt Ion: 76 Resp: 33380

Ion Ratio Lower Upper

76 100

78 10.4 7.1 10.7





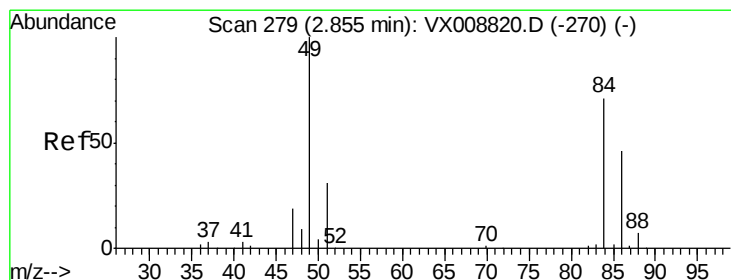
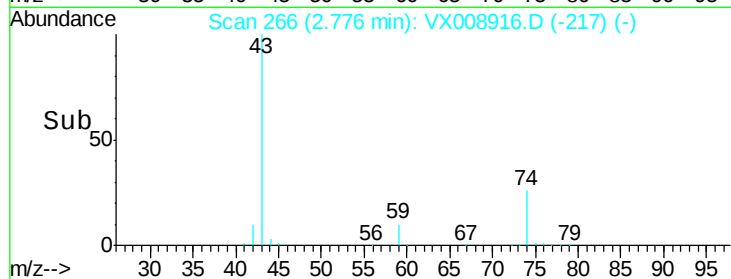
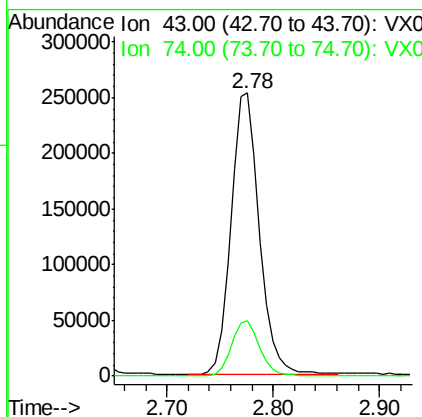
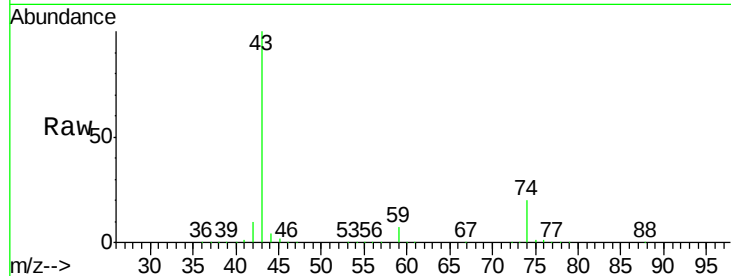
#18
Methyl Acetate
Concen: 115.264 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

Tgt Ion: 43 Resp: 468363
Ion Ratio Lower Upper
43 100
74 19.9 16.5 24.7

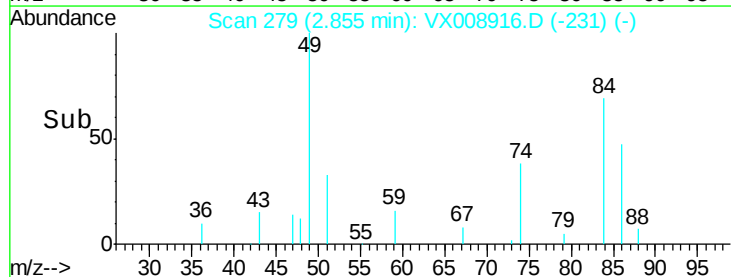
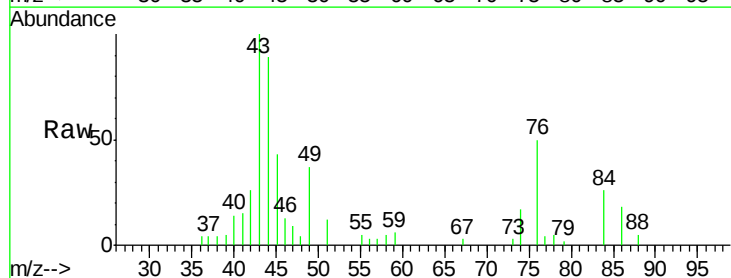
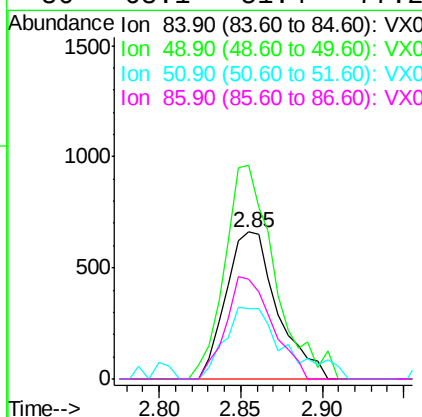
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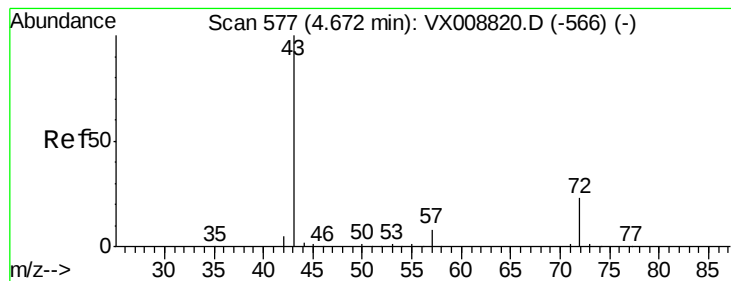
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#20
Methylene Chloride
Concen: 0.518 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 84 Resp: 1453
Ion Ratio Lower Upper
84 100
49 145.4 109.7 164.5
51 47.7 33.6 50.4
86 68.1 51.4 77.2





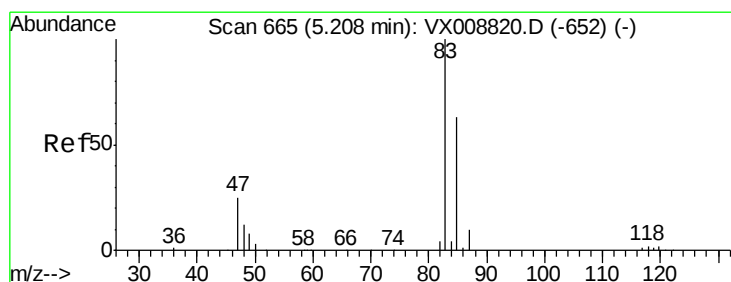
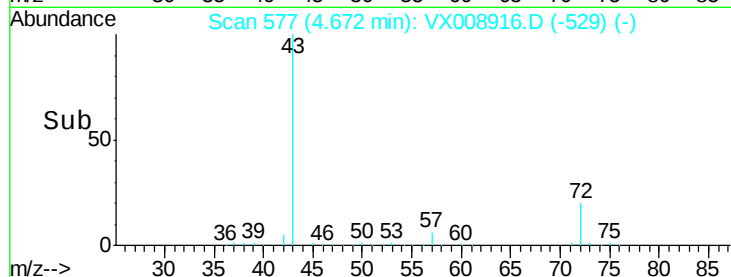
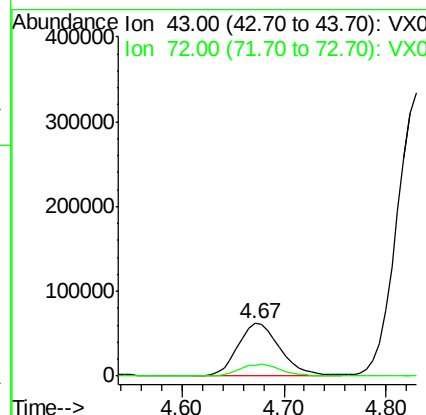
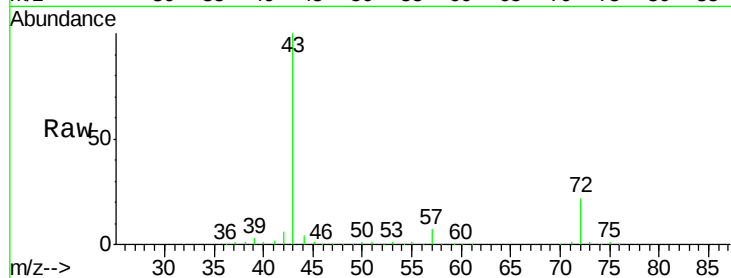
#25
2-Butanone
Concen: 65.766 ug/l
RT: 4.67 min Scan# 577
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

Tgt Ion: 43 Resp: 174151
Ion Ratio Lower Upper
43 100
72 21.9 18.2 27.4

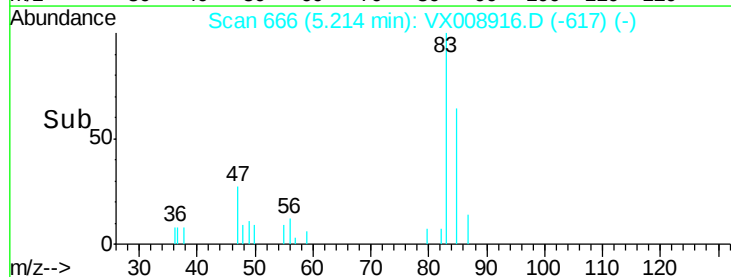
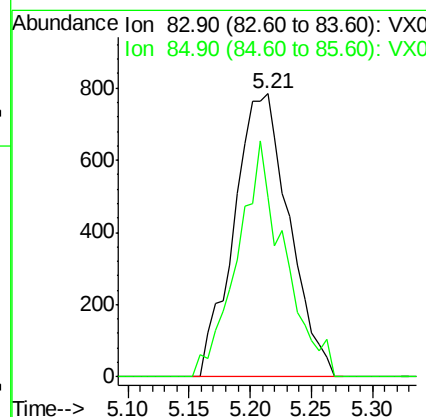
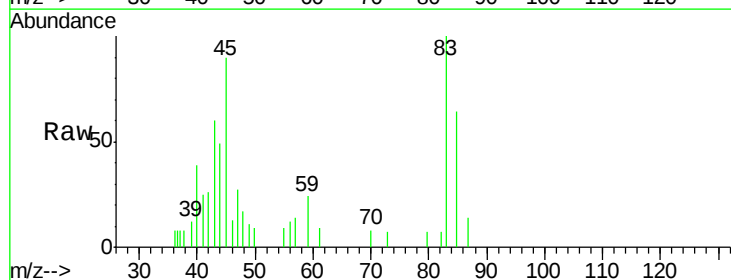
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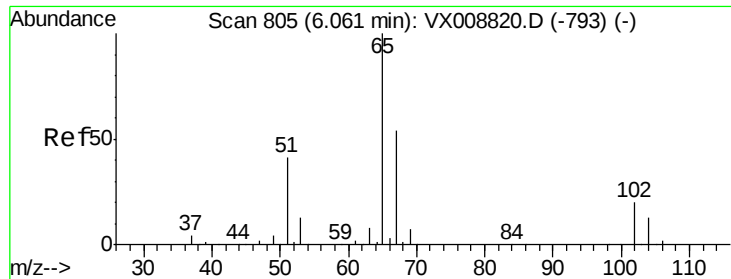
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#30
Chloroform
Concen: 0.547 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 83 Resp: 2460
Ion Ratio Lower Upper
83 100
85 63.6 52.1 78.1





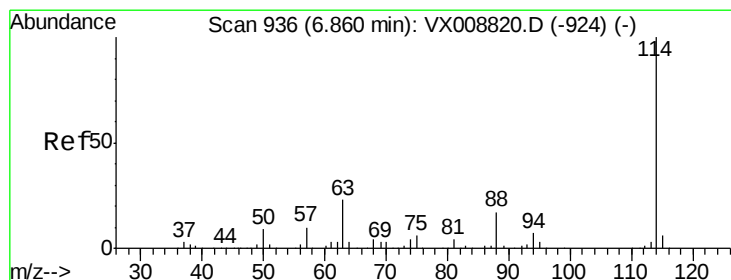
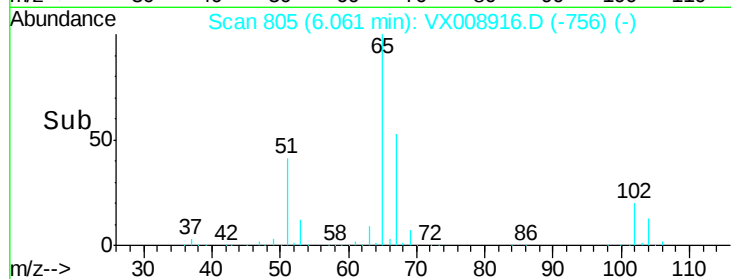
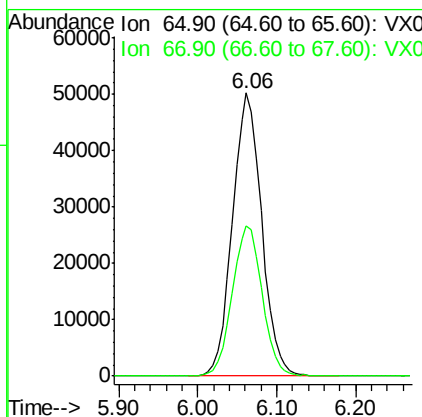
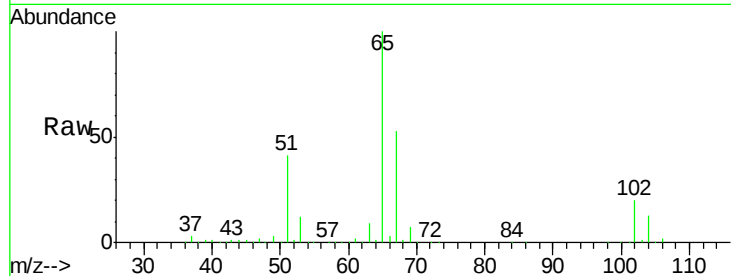
#33
 1,2-Dichloroethane-d4
 Concen: 44.569 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Instrument :
 MSVOA_X
 ClientSampled :
 CL-COMP-3

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	129647		
67	54.5	0.0	107.2	

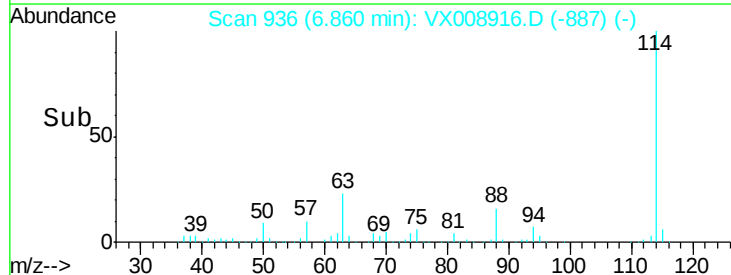
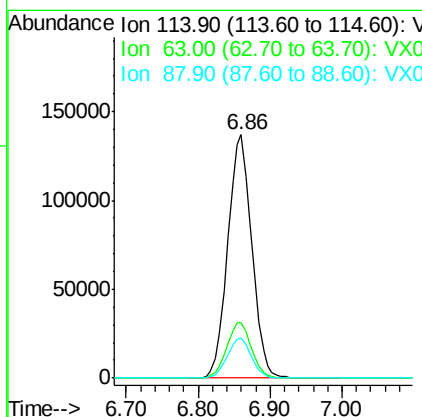
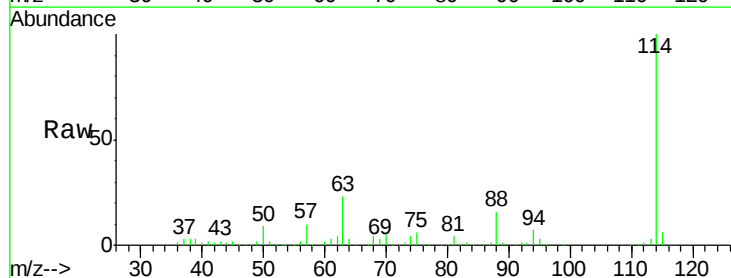
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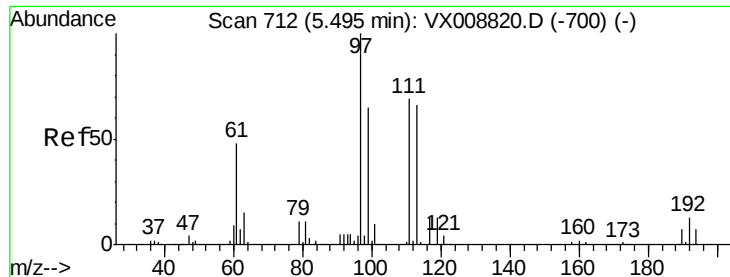
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	318754		
63	22.6	0.0	47.2	
88	16.4	0.0	34.0	





#35

Dibromofluoromethane

Concen: 46.269 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

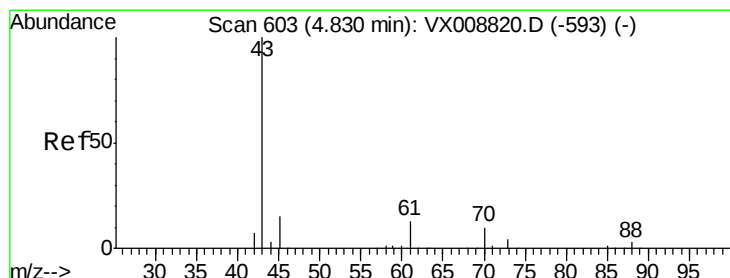
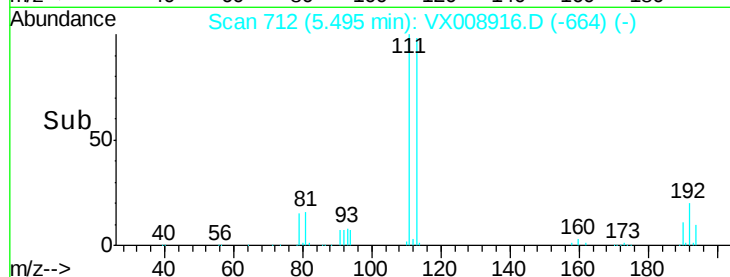
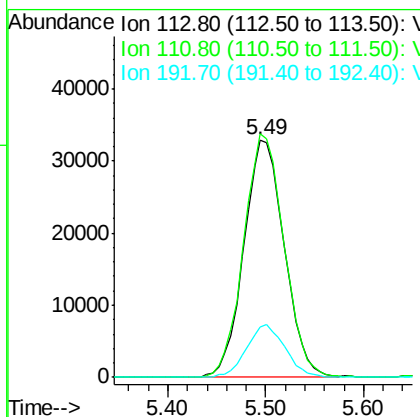
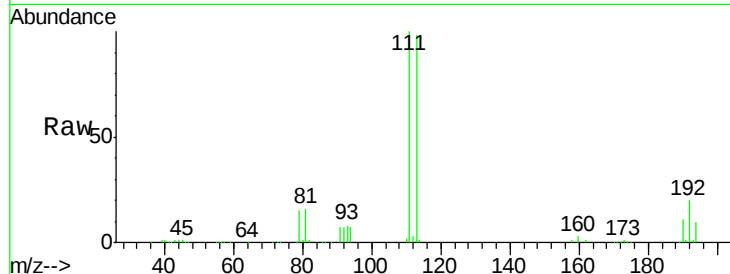
ClientSampleId :

CL-COMP-3

Tgt Ion:	113	Resp:	94296
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.4	125.2
192	21.3	16.1	24.1

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#37

Ethyl Acetate

Concen: 207.913 ug/l

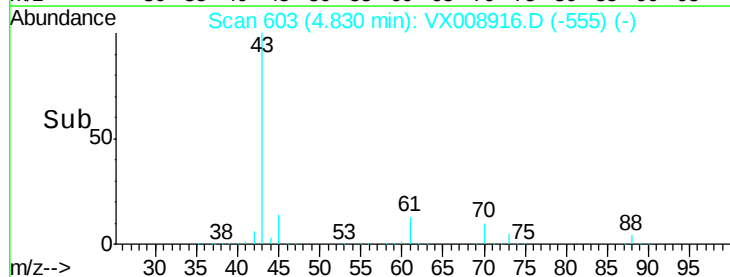
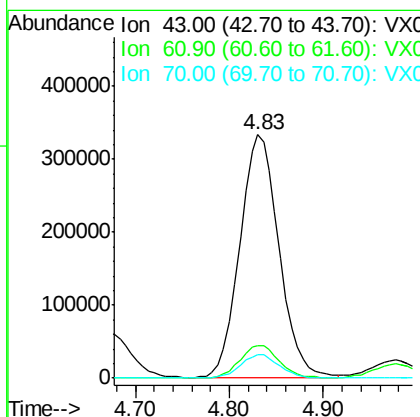
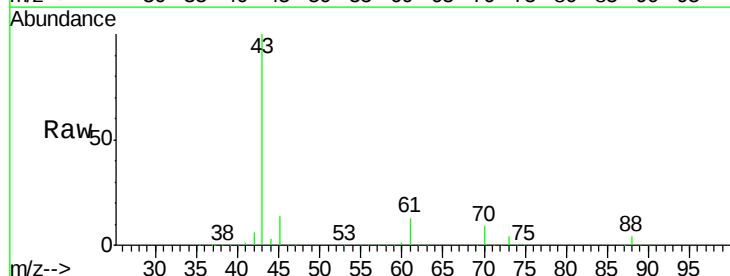
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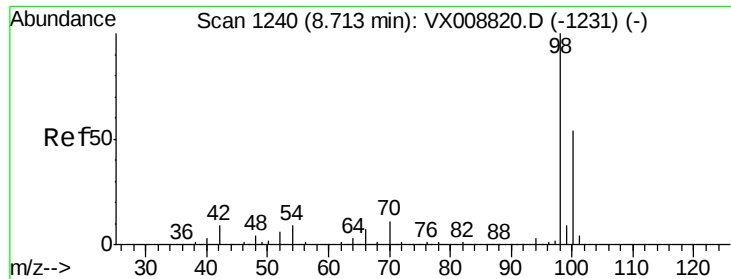
Delta R.T. -0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Tgt Ion:	43	Resp:	966962
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.3	15.5
70	9.7	7.6	11.4





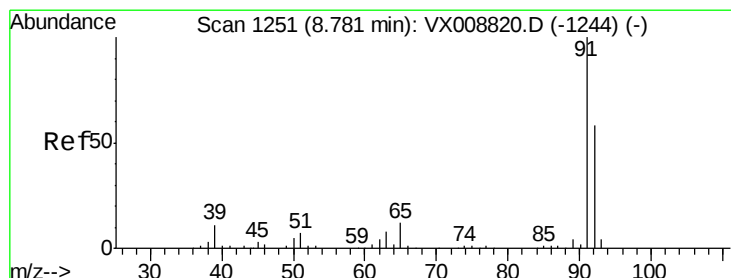
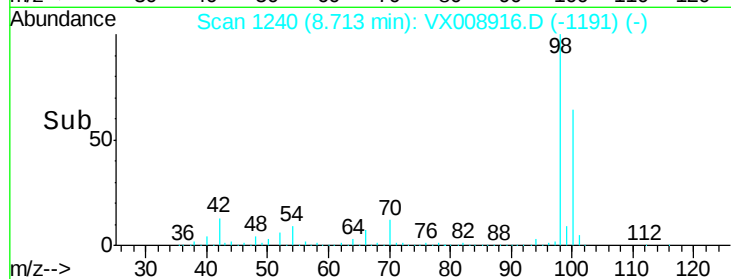
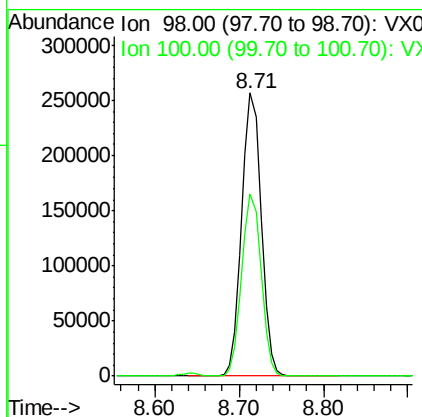
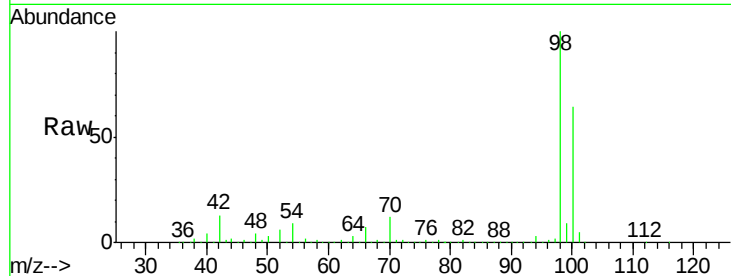
#50
Toluene-d8
Concen: 49.150 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

Tgt Ion: 98 Resp: 398843
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0

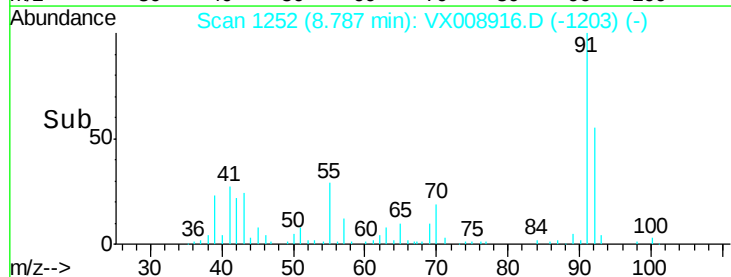
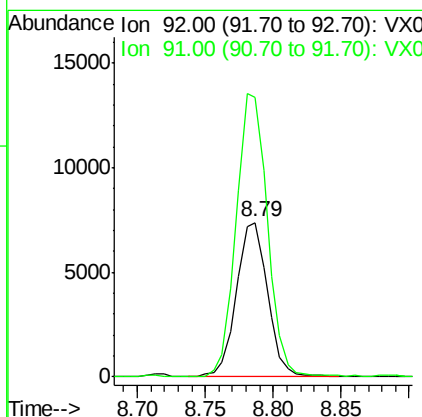
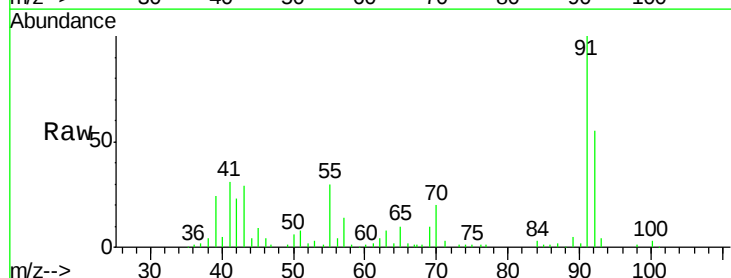
Manual Integrations
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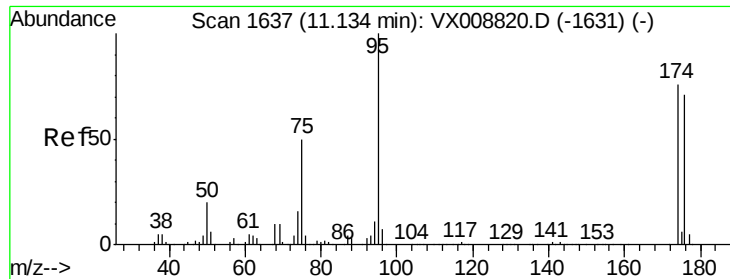
MMDadoda
4/13/2019 2:12:32 PM



#52
Toluene
Concen: 1.934 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 92 Resp: 11838
Ion Ratio Lower Upper
92 100
91 184.3 138.5 207.7





#62

4-Bromofluorobenzene

Concen: 44.995 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-3

Tgt Ion: 95 Resp: 129478
Ion Ratio Lower Upper

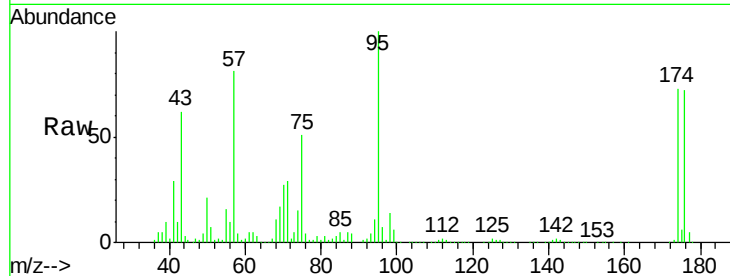
95 100

174 79.1 0.0 151.8

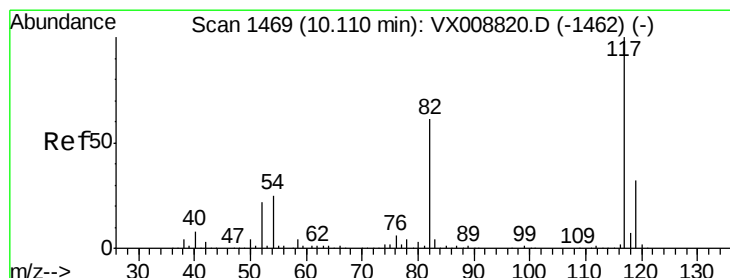
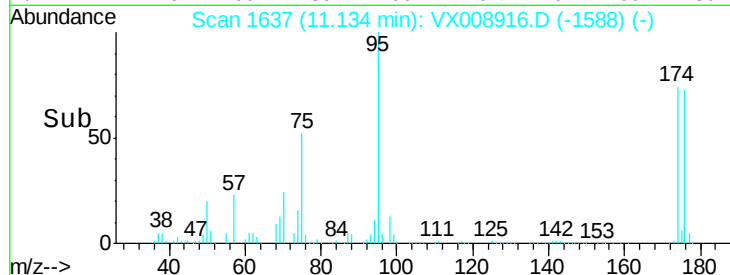
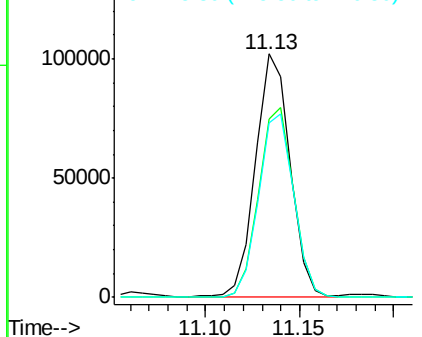
176 76.9 0.0 145.8

Manual Integrations
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4/13/2019 2:12:32 PM



Abundance Ion 94.90 (94.60 to 95.60): VX008820.D (-1631) (-)
Ion 173.80 (173.50 to 174.50): VX008820.D (-1631) (-)
Ion 175.80 (175.50 to 176.50): VX008820.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008916.D

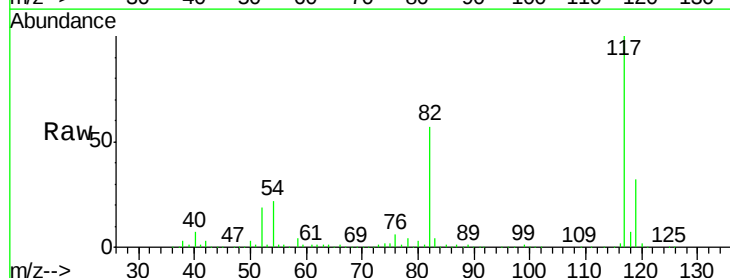
Acq: 13 Apr 2019 03:35

Tgt Ion: 117 Resp: 272380
Ion Ratio Lower Upper

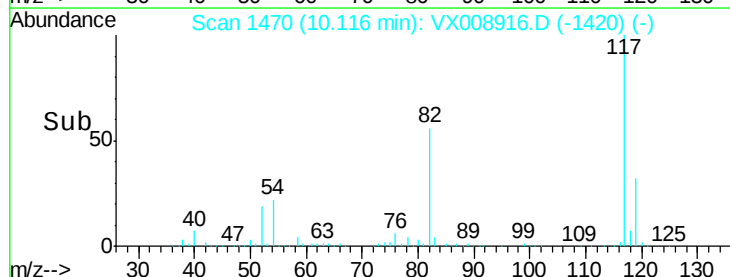
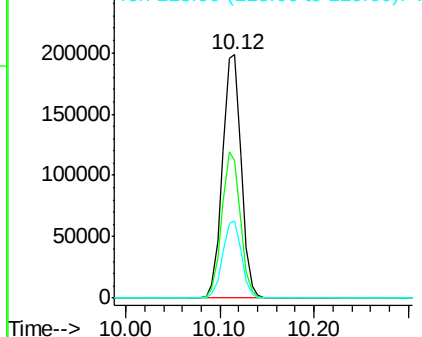
117 100

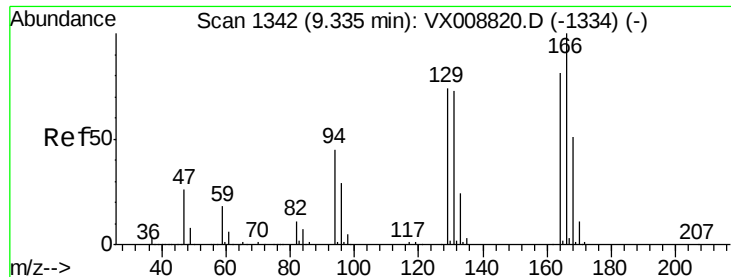
82 56.4 49.6 74.4

119 31.9 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): VX008820.D (-1462) (-)
Ion 82.00 (81.70 to 82.70): VX008820.D (-1462) (-)
Ion 118.90 (118.60 to 119.60): VX008820.D (-1462) (-)





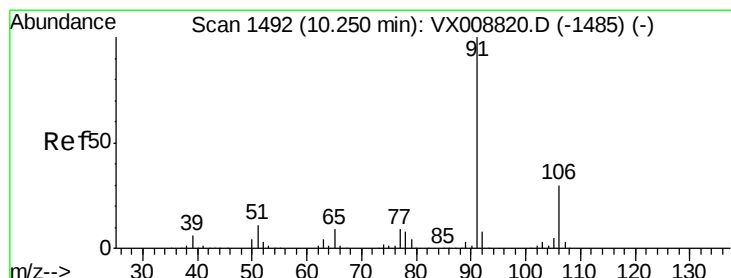
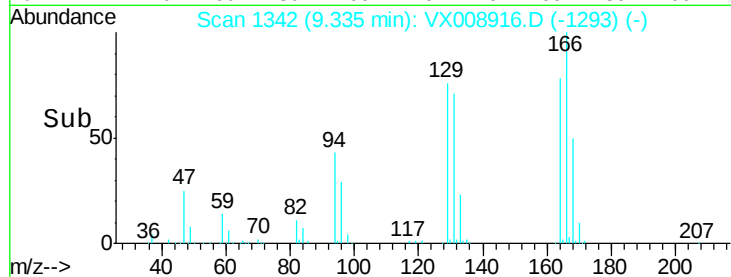
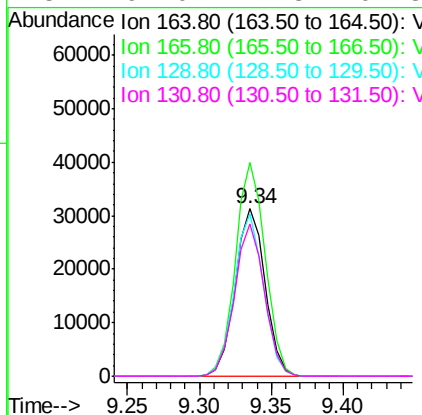
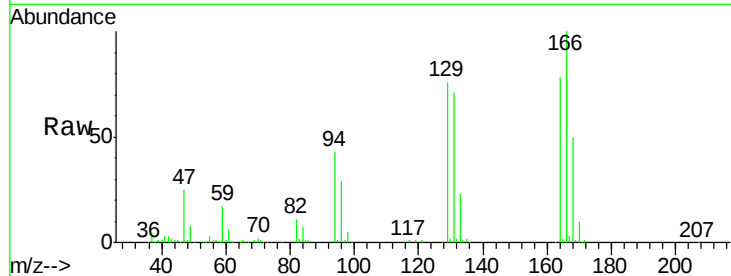
#64
Tetrachloroethene
Concen: 22.448 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.0	151.6
129	97.0	75.8	113.8
131	91.0	71.8	107.8

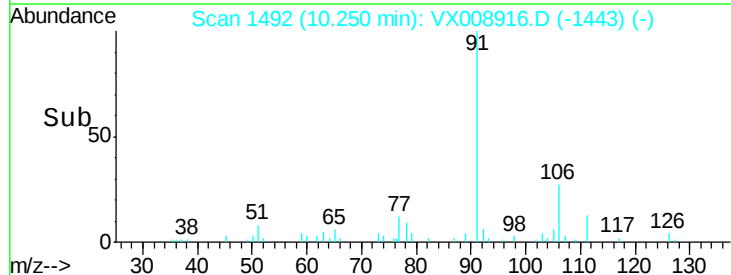
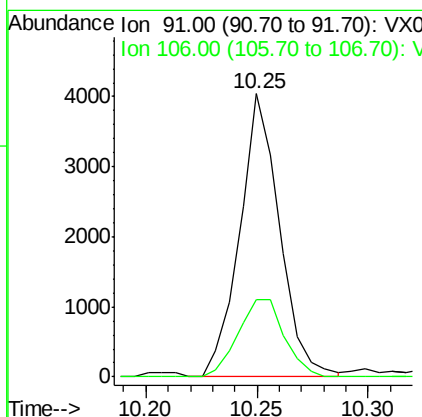
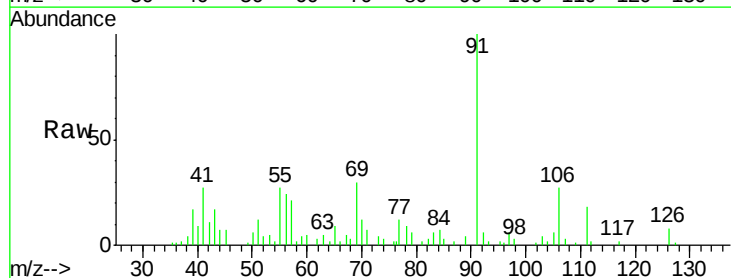
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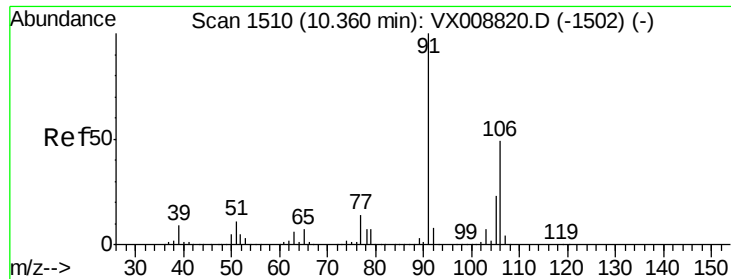
MMDadoda
4/13/2019 2:12:32 PM



#67
Ethyl Benzene
Concen: 0.449 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.3	23.7	35.5





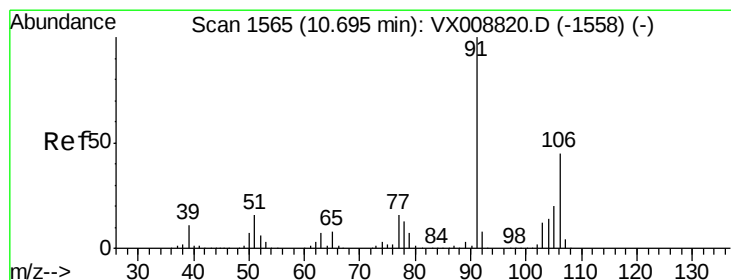
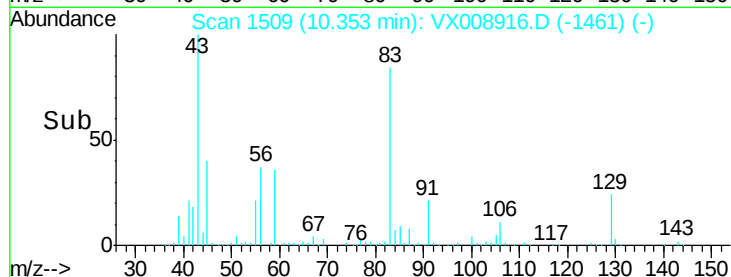
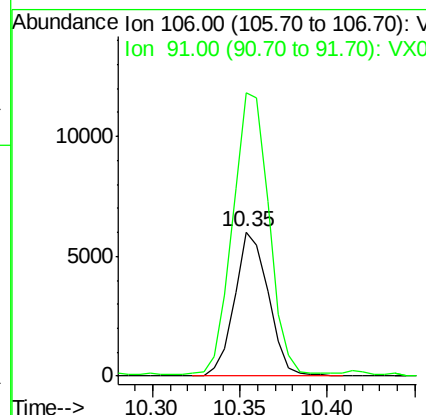
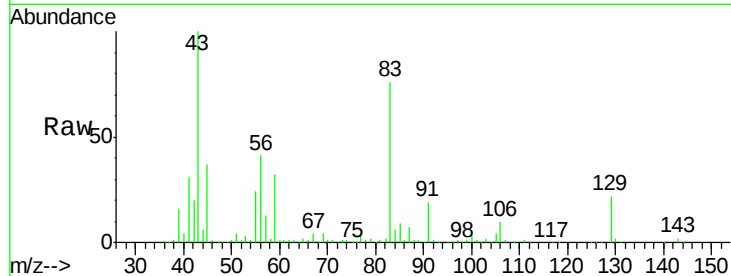
#68
m/p-Xylenes
Concen: 2.001 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

Tgt Ion:106 Resp: 8099
Ion Ratio Lower Upper
106 100
91 208.1 168.5 252.7

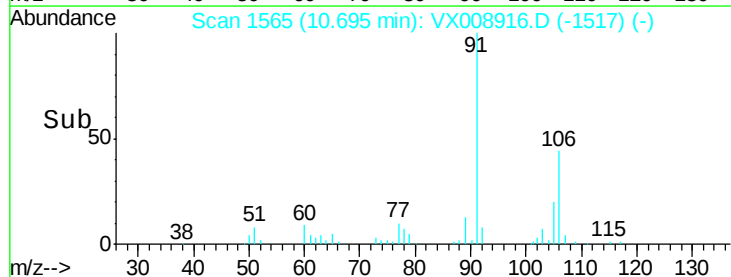
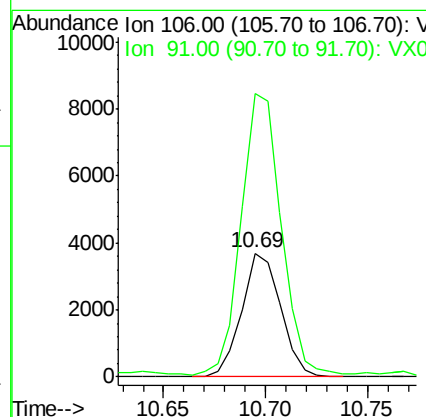
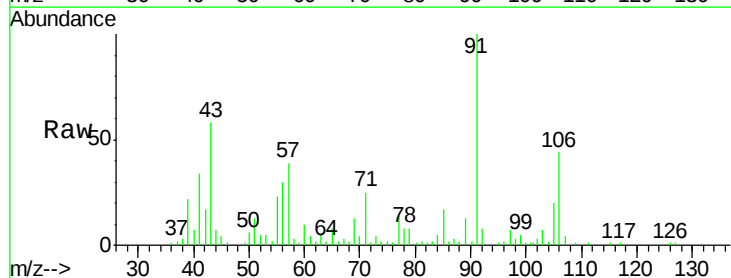
Manual Integrations
APPROVED

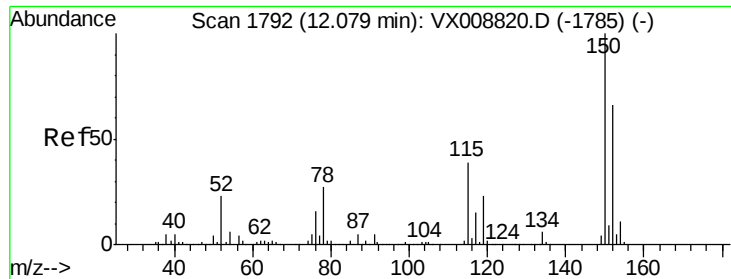
MMDadoda
4/13/2019 2:12:32 PM



#69
o-Xylene
Concen: 1.248 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion:106 Resp: 4897
Ion Ratio Lower Upper
106 100
91 231.4 111.5 334.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

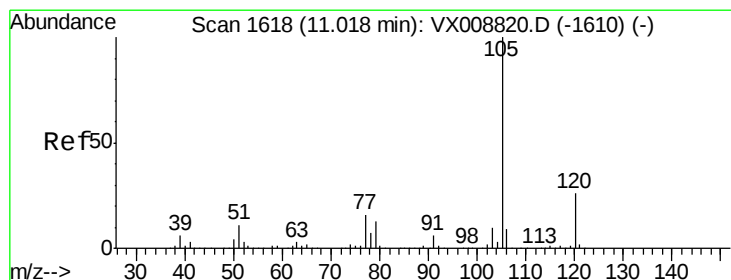
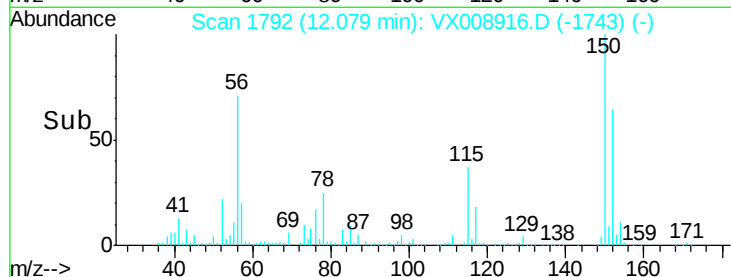
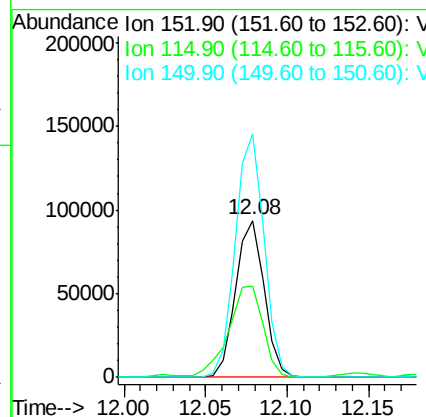
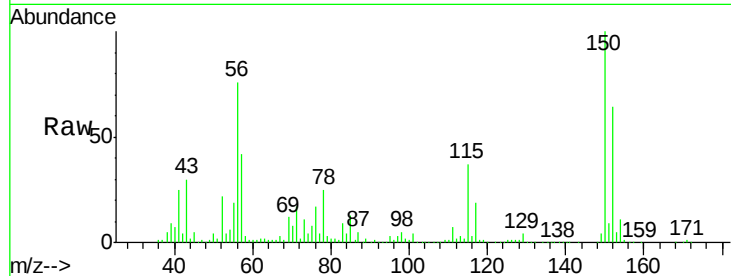
ClientSampleId :

CL-COMP-3

Tgt Ion:	152	Resp:	113849
Ion Ratio	Lower	Upper	
152	100		
115	70.4	43.5	130.5
150	156.2	0.0	348.8

Manual Integrations
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4/13/2019 2:12:32 PM



#73

Isopropylbenzene

Concen: 0.430 ug/l

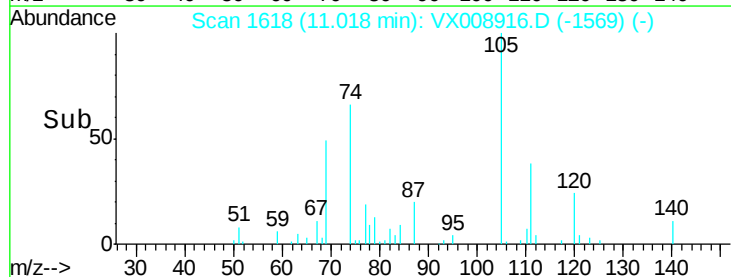
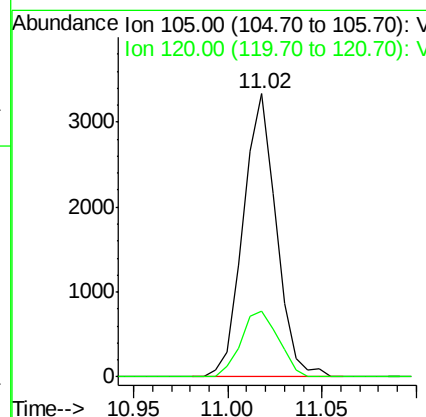
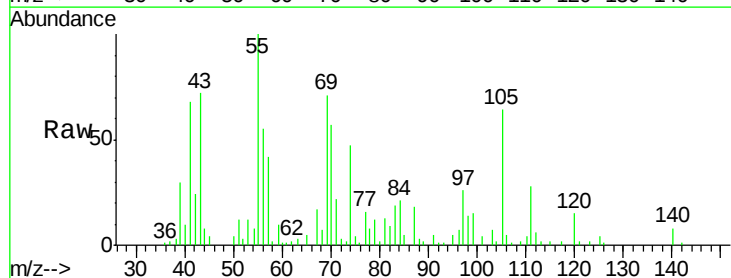
RT: 11.02 min Scan# 1618

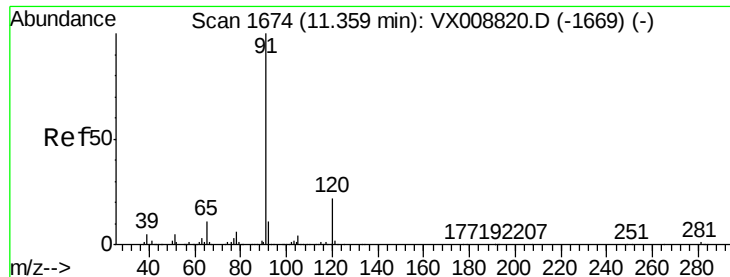
Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Tgt Ion:	105	Resp:	4056
Ion Ratio	Lower	Upper	
105	100		
120	26.5	12.9	38.6





#78

n-propylbenzene

Concen: 1.986 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-3

Tgt Ion: 91 Resp: 21813

Ion Ratio Lower Upper

91 100

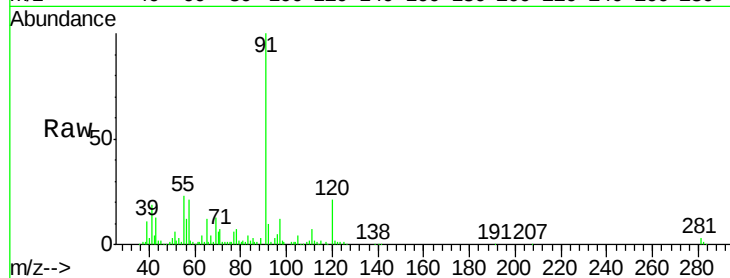
120 21.3 10.9 32.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008820.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1669) (-)

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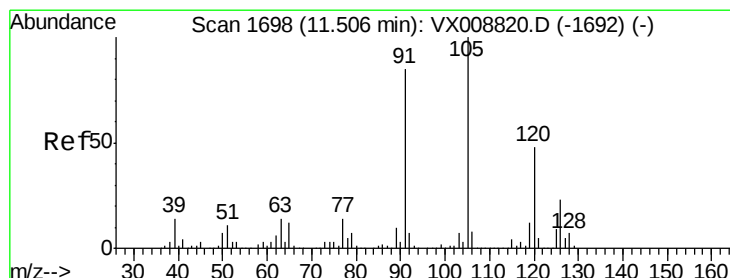
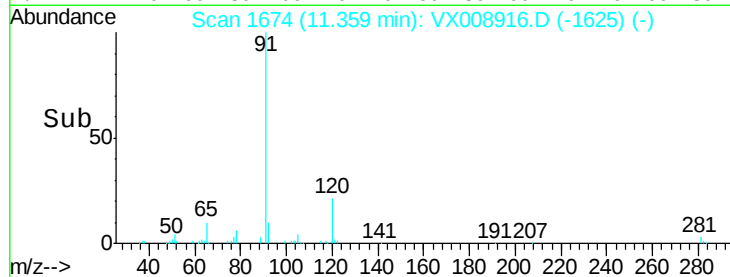
11.36

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11.36



#80

1,3,5-Trimethylbenzene

Concen: 6.124 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008916.D

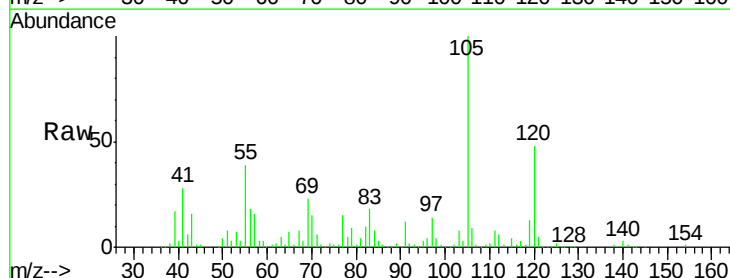
Acq: 13 Apr 2019 03:35

Tgt Ion: 105 Resp: 48503

Ion Ratio Lower Upper

105 100

120 48.6 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008820.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008820.D (-1692) (-)

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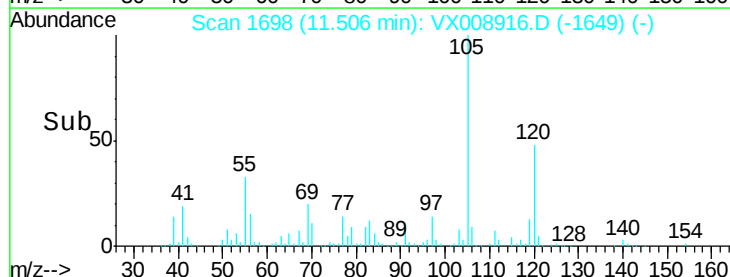
11.51

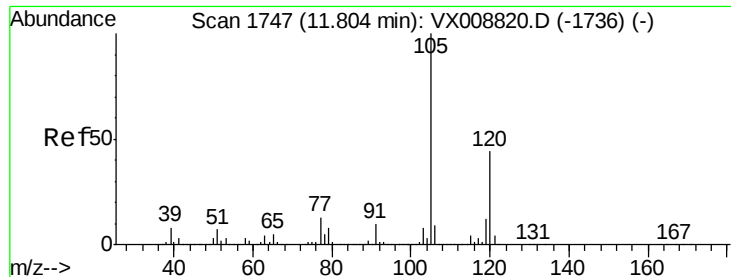
11.51

11.51

11.51

11.51





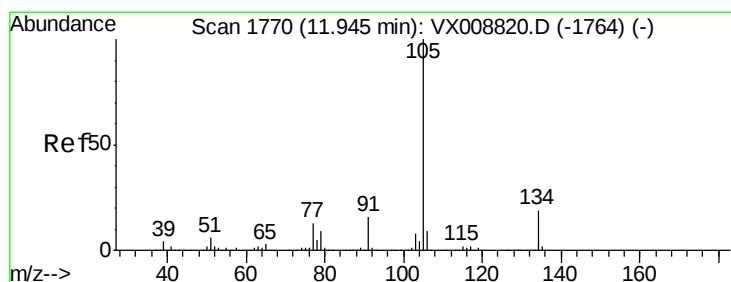
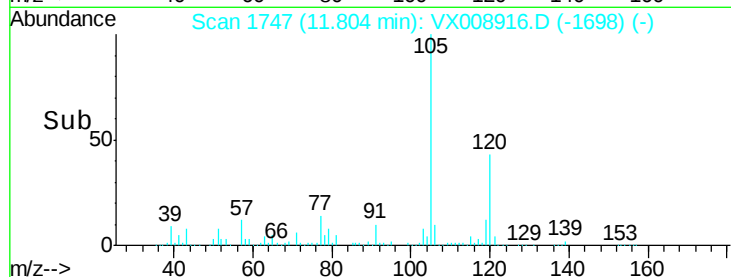
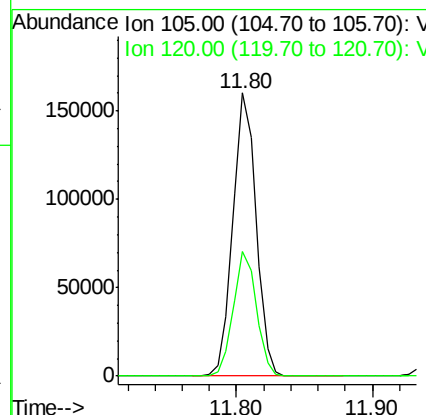
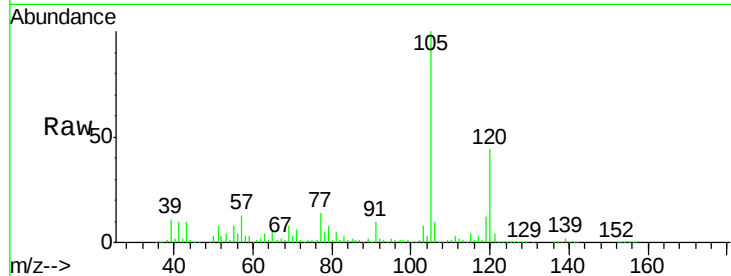
#84
1,2,4-Trimethylbenzene
Concen: 23.693 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

Tgt Ion:105 Resp: 190006
Ion Ratio Lower Upper
105 100
120 43.9 21.8 65.3

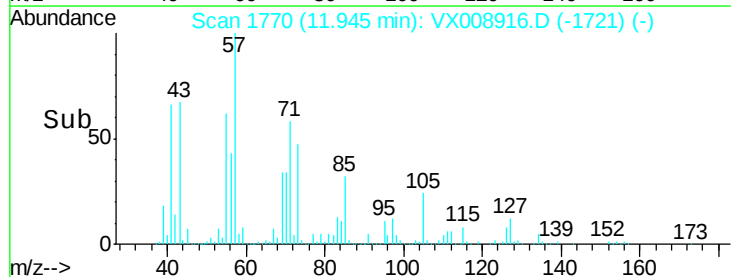
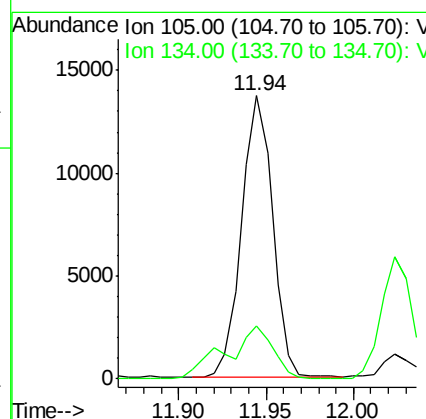
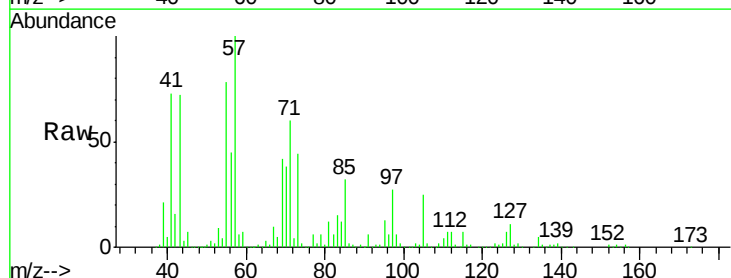
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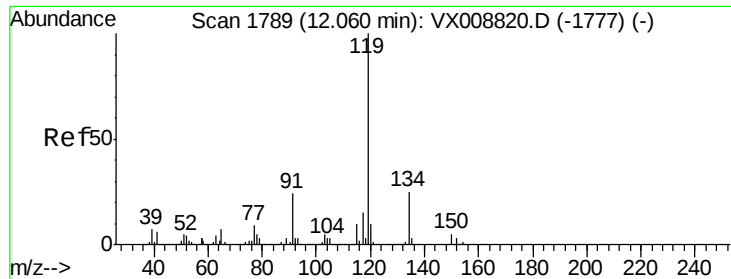
MMDadoda
4/13/2019 2:12:32 PM



#85
sec-Butylbenzene
Concen: 1.867 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion:105 Resp: 16900
Ion Ratio Lower Upper
105 100
134 17.1 9.4 28.2





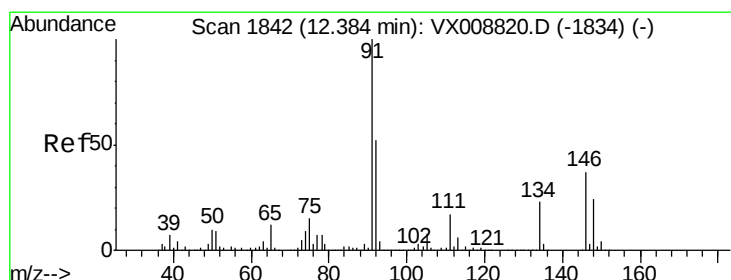
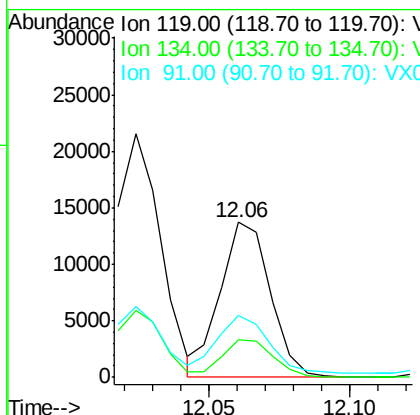
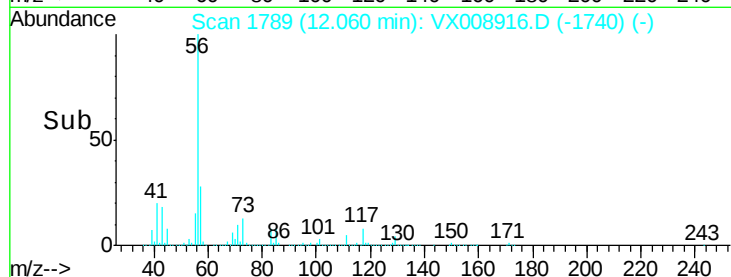
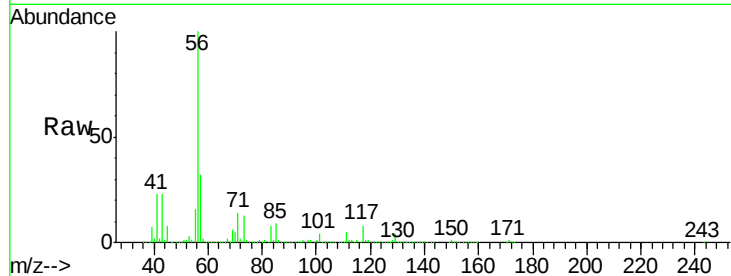
#86
p-Isopropyltoluene
Concen: 2.100 ug/l m
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	17057		
134	41.6	12.8	38.4#	
91	42.3	12.2	36.6#	

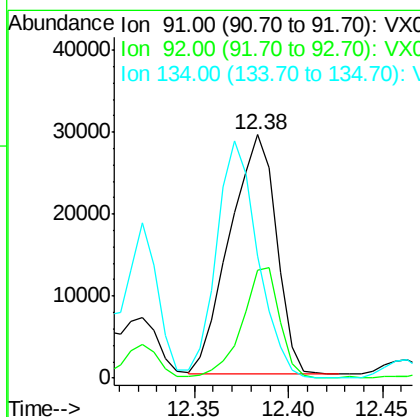
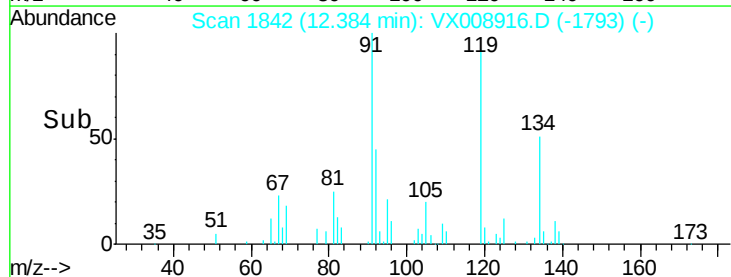
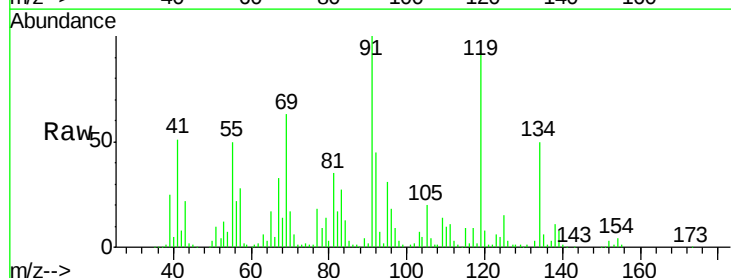
Manual Integrations
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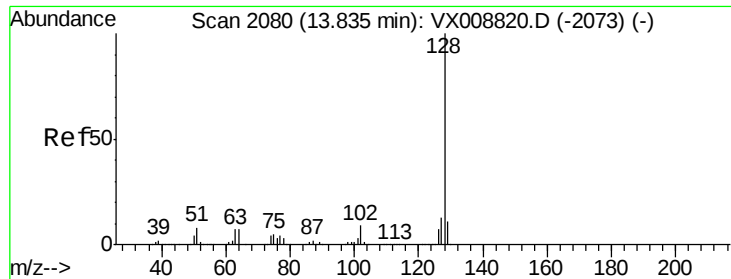
MMDadoda
4/13/2019 2:12:32 PM



#89
n-Butylbenzene
Concen: 6.611 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	50363		
92	37.4	26.4	79.2	
134	87.0	12.0	36.0#	





#95
Naphthalene
Concen: 29.805 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

Tgt	Ion	Ratio	Lower	Upper
128	100			
127	13.4	10.4	15.6	
129	11.2	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
4/13/2019 2:12:32 PM

