

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003080.D
 Acq On : 30 Jun 2018 15:50
 Operator : JC/MD
 Sample : J3675-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0221

Manual Integrations
 APPROVED

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Quant Time: Jul 02 03:37:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	269756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	175107	46.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.92%	
35) Dibromofluoromethane	5.51	113	144608	48.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.22%	
50) Toluene-d8	8.72	98	528021	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.14	95	186577	44.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	66811	21.90	ug/l #	76
10) Methyl Iodide	2.52	142	1609	6.69	ug/l	94
16) Acetone	2.45	43	3240	2.10	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	2282	0.79	ug/l #	71
27) cis-1,2-Dichloroethene	4.60	96	11249	3.46	ug/l	92
31) Cyclohexane	5.57	56	2489	0.53	ug/l #	84
39) Methylcyclohexane	7.46	83	1777	0.37	ug/l	95
52) Toluene	8.79	92	1988	0.26	ug/l	94
67) Ethyl Benzene	10.26	91	3602	0.25	ug/l	92
73) Isopropylbenzene	11.02	105	3812	0.28	ug/l	95
83) tert-Butylbenzene	11.77	119	2989	0.26	ug/l	86
85) sec-Butylbenzene	11.95	105	21757	1.58	ug/l	84
89) n-Butylbenzene	12.39	91	2456m	0.23	ug/l	

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

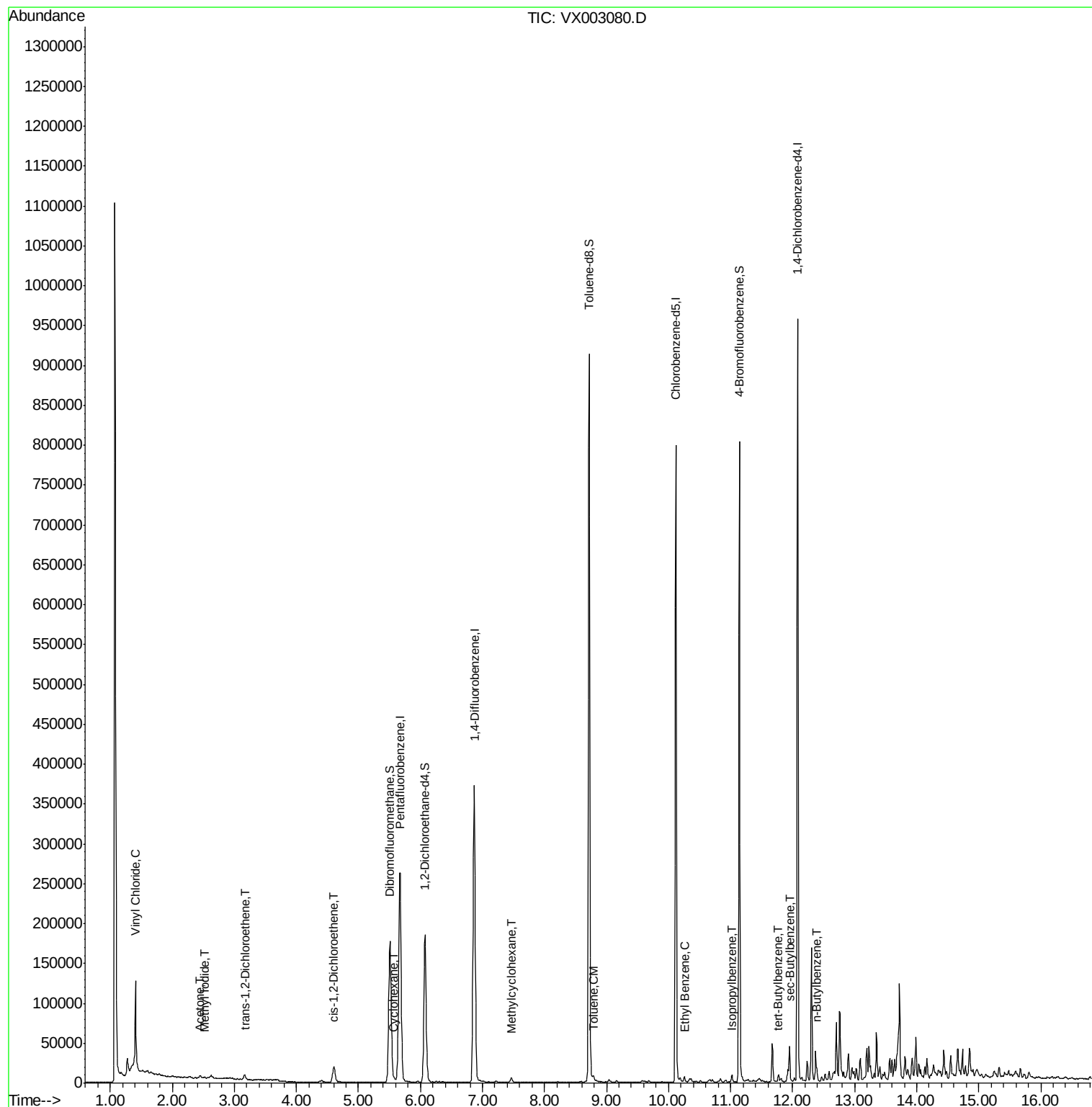
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063018\
Data File : VX003080.D
Acq On : 30 Jun 2018 15:50
Operator : JC/MD
Sample : J3675-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

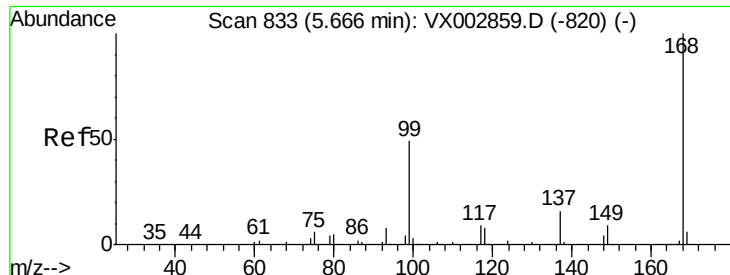
Instrument :
MSVOA_X
ClientSampleId :
S73-0221

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Quant Time: Jul 02 03:37:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

Instrument :

MSVOA_X

ClientSampled :

S73-0221

Tot Ion:168 Resp: 269756

Ion Ratio Lower Upper

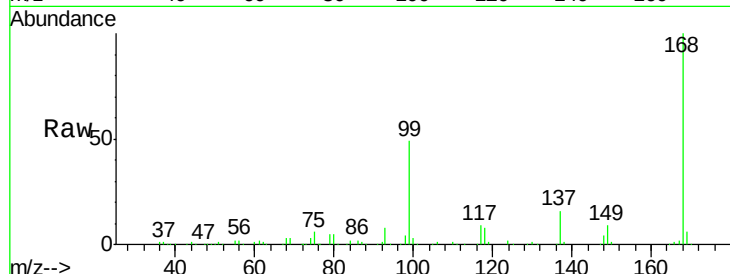
168 100

99 48.6 39.3 58.9

Manual Integrations
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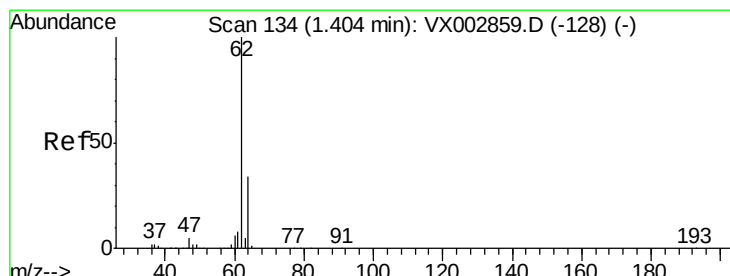
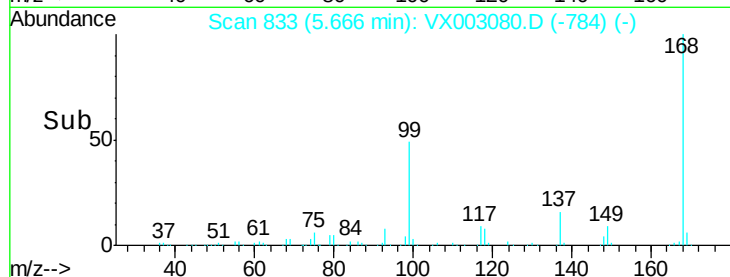
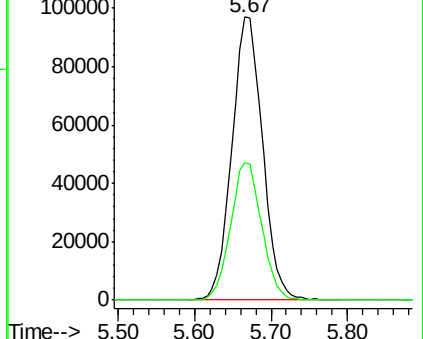
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 21.90 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003080.D

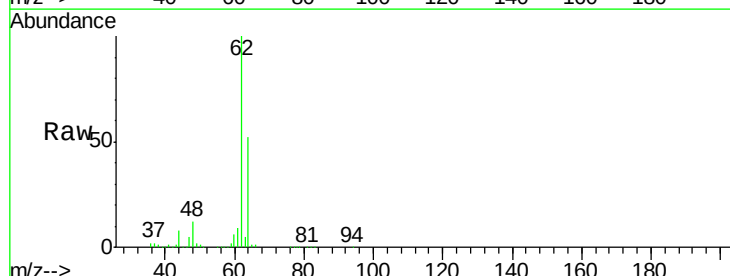
Acq: 30 Jun 2018 15:50

Tgt Ion: 62 Resp: 66811

Ion Ratio Lower Upper

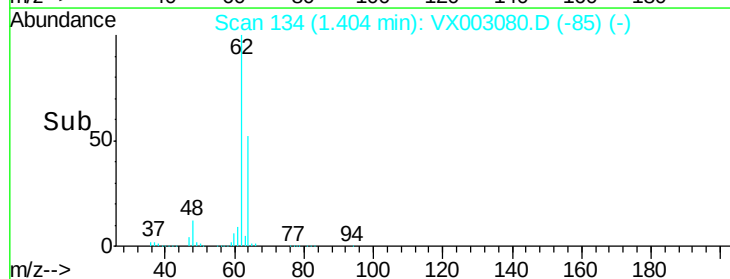
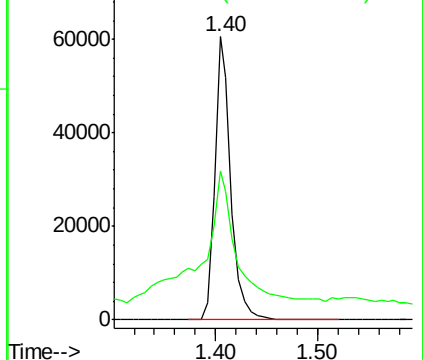
62 100

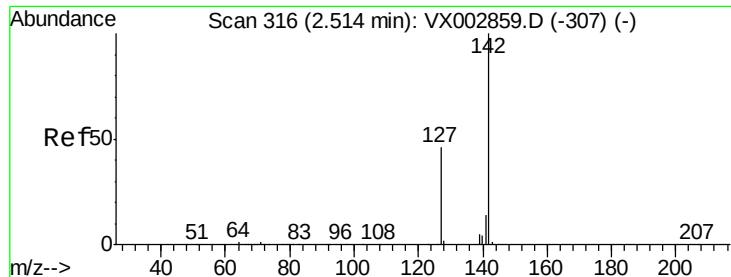
64 45.2 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





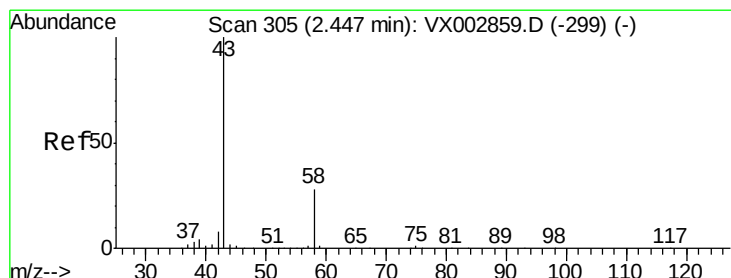
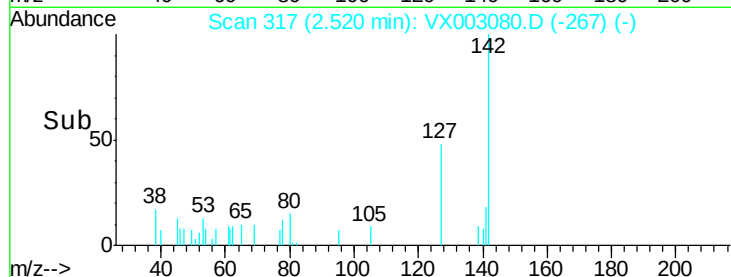
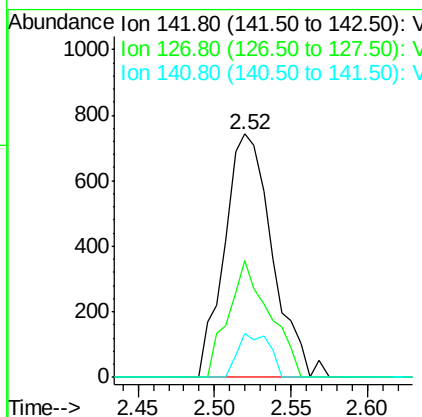
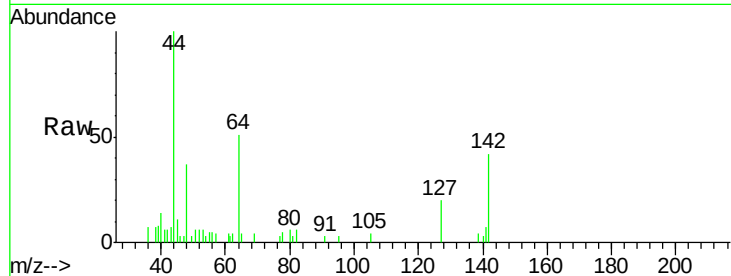
#10
Methvl Iodide
Concen: 6.69 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Instrument :
MSVOA_X
ClientSampled :
S73-0221

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.3	36.6	55.0
141	12.0	11.3	16.9

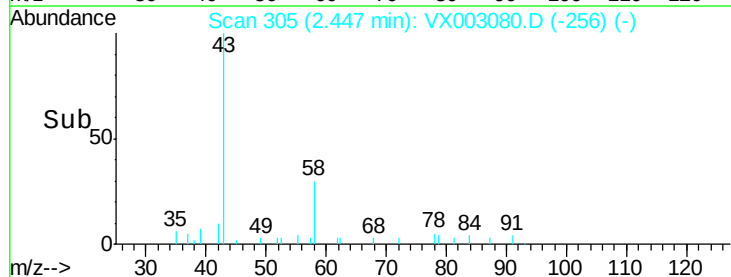
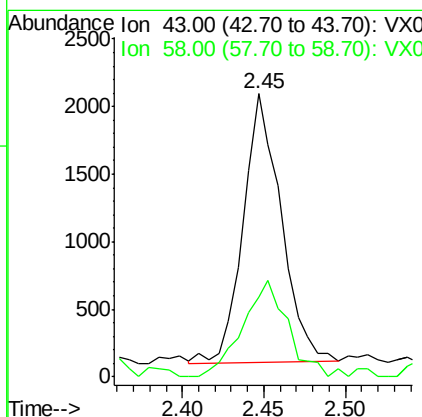
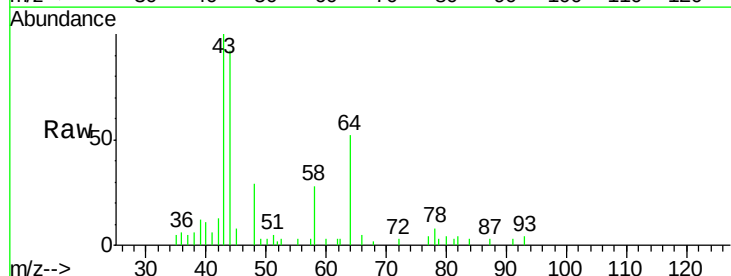
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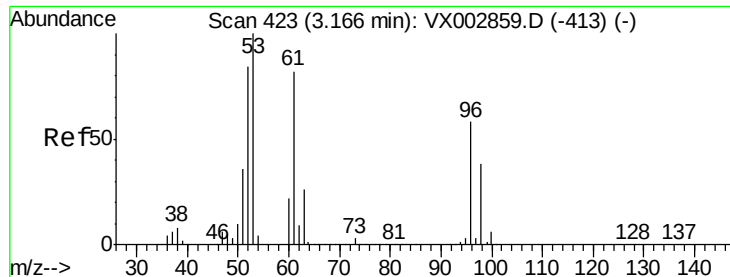
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#16
Acetone
Concen: 2.10 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.00 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.1	33.1





#21

trans-1,2-Dichloroethene

Concen: 0.79 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

S73-0221

Tot Ion: 96 Resp: 2282

Ion Ratio Lower Upper

96 100

61 100.6 117.0 175.4#

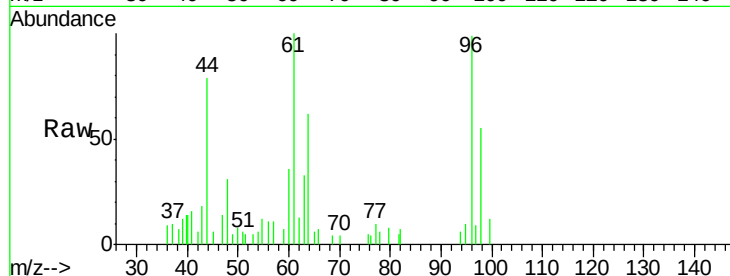
98 55.4 52.4 78.6

Manual Integrations

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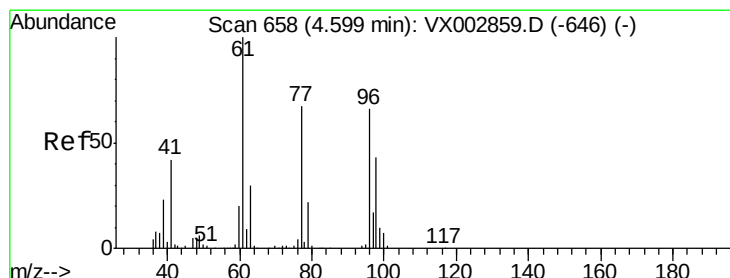
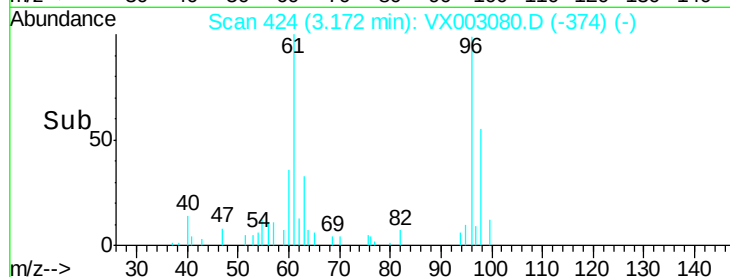
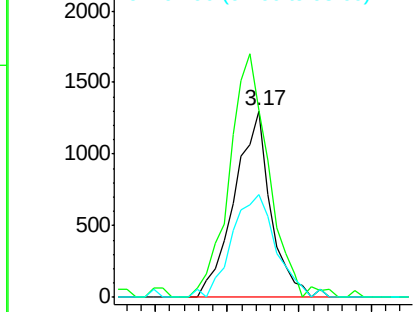
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.46 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

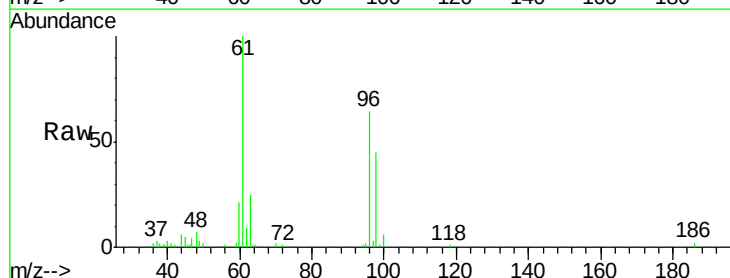
Tgt Ion: 96 Resp: 11249

Ion Ratio Lower Upper

96 100

61 179.0 0.0 330.2

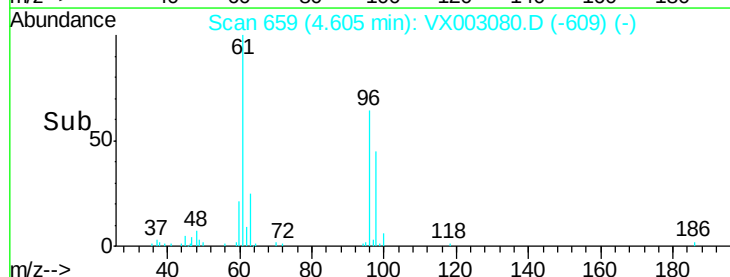
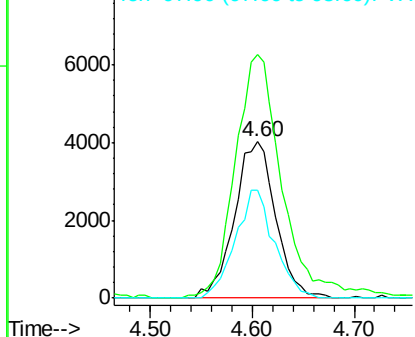
98 65.3 0.0 130.2

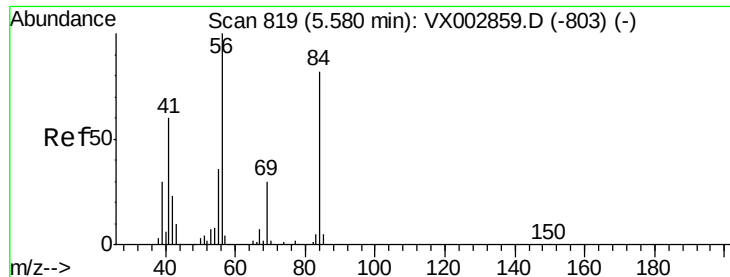


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





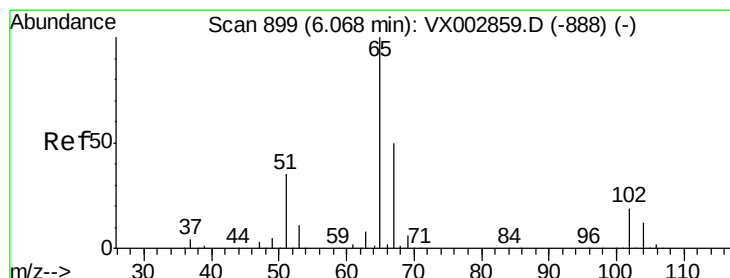
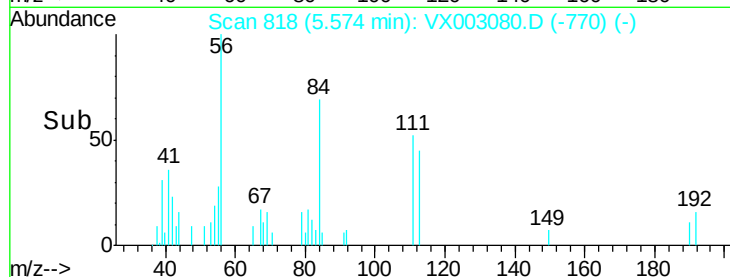
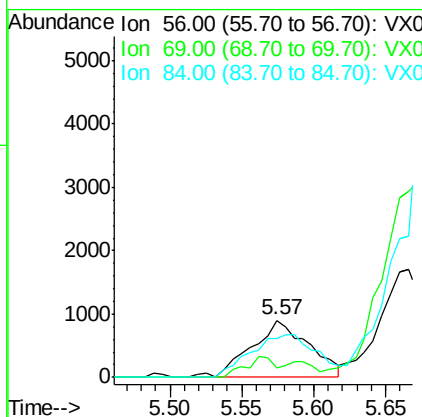
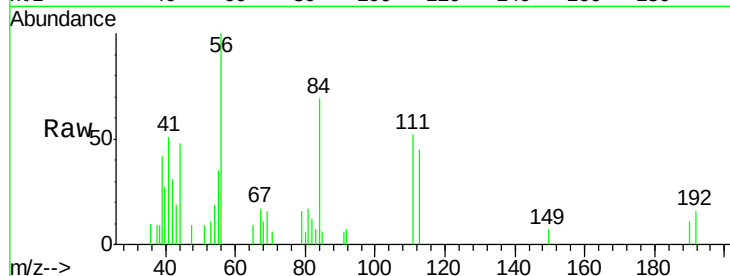
#31
Cyclohexane
Concen: 0.53 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Instrument :
MSVOA_X
ClientSampled :
S73-0221

Tot Ion	Ratio	Lower	Upper
56	100		
69	16.3	23.7	35.5#
84	69.2	64.1	96.1

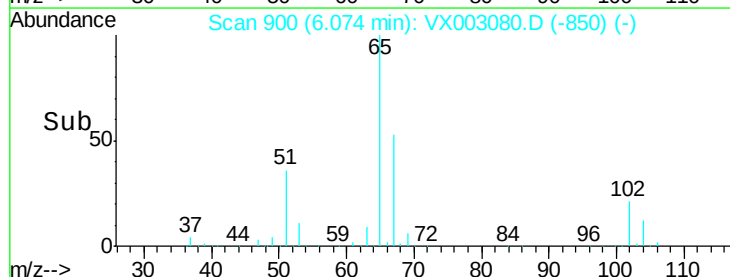
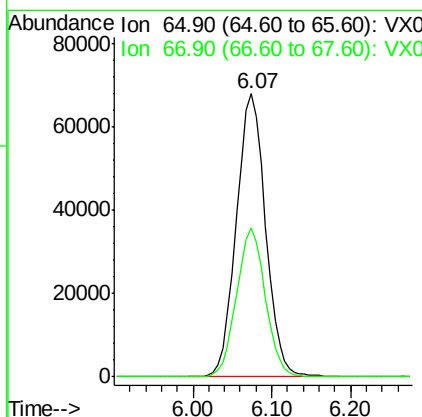
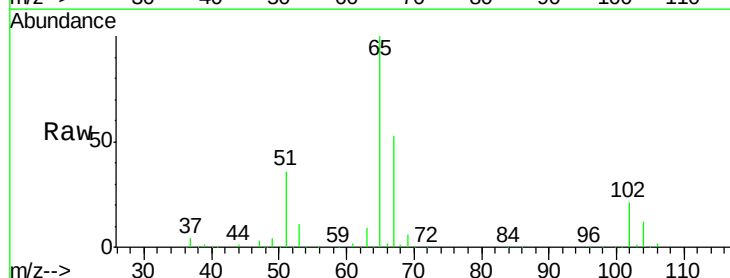
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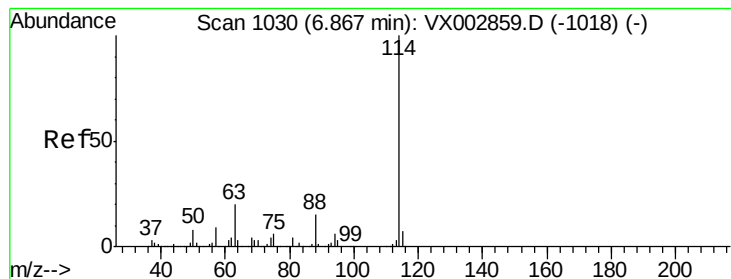
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#33
1,2-Dichloroethane-d4
Concen: 46.96 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

Instrument :

MSVOA_X

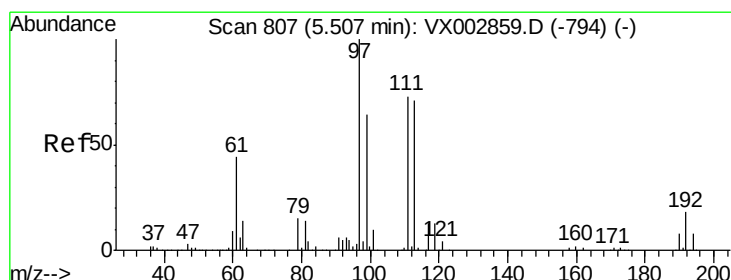
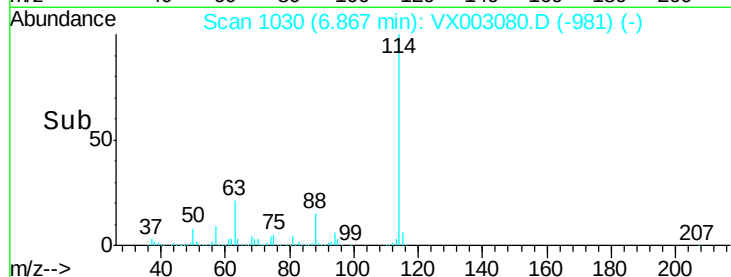
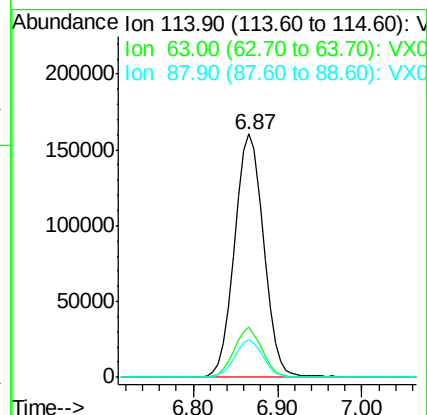
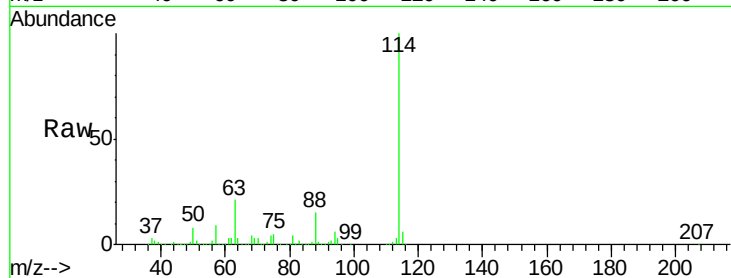
ClientSampleId :

S73-0221

Tot Ion:	114	Resp:	375690
Ion Ratio		Lower	Upper
114	100		
63	20.6	0.0	41.4
88	15.3	0.0	30.0

Manual Integrations
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#35

Dibromofluoromethane

Concen: 48.61 ug/l

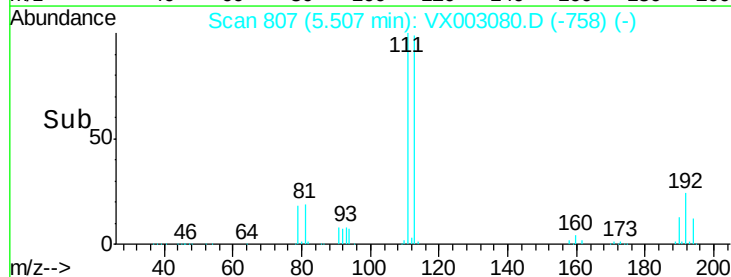
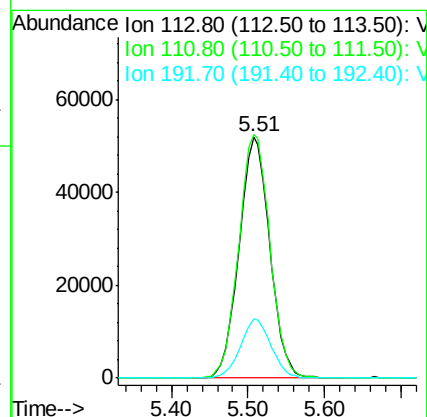
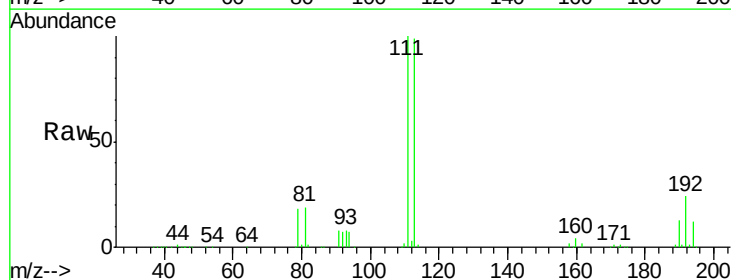
RT: 5.51 min Scan# 807

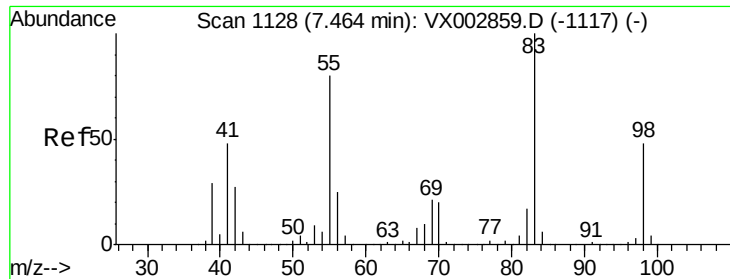
Delta R.T. 0.00 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

Tgt Ion:	113	Resp:	144608
Ion Ratio		Lower	Upper
113	100		
111	102.5	81.4	122.0
192	24.4	19.1	28.7





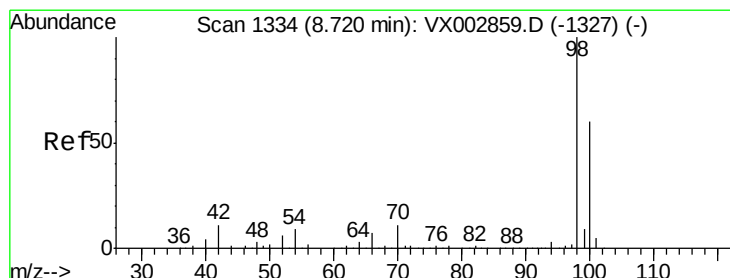
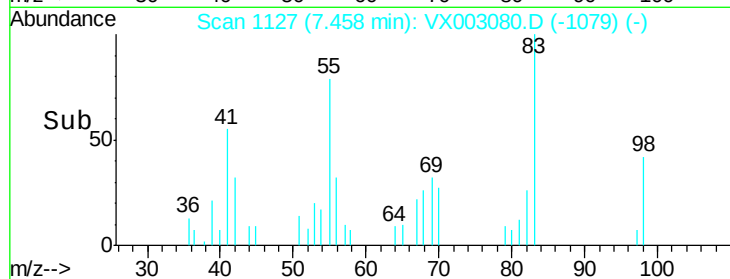
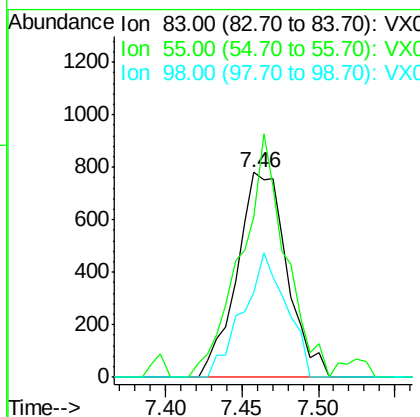
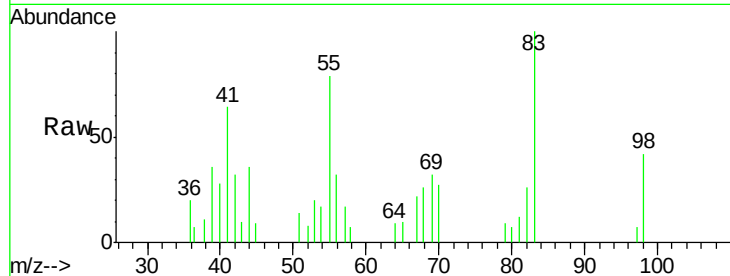
#39
Methvlcvclohexane
Concen: 0.37 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Instrument :
MSVOA_X
ClientSampled :
S73-0221

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	65.4	98.0
98	41.5	37.4	56.0

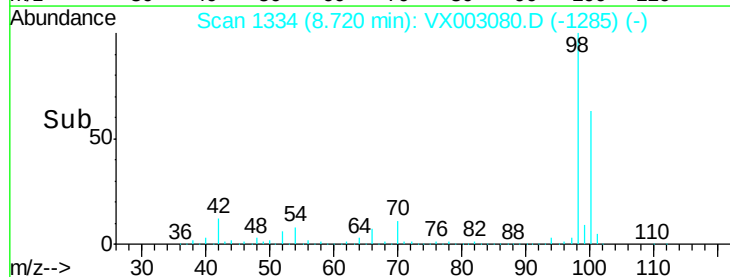
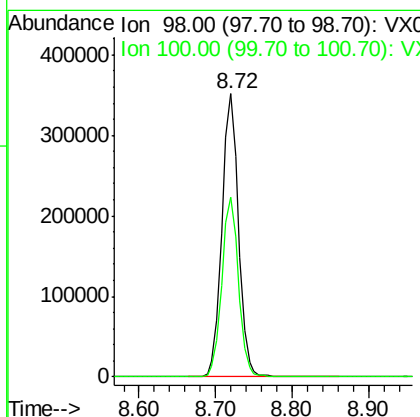
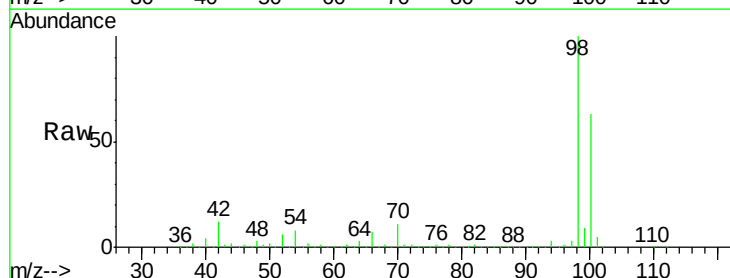
Manual Integrations
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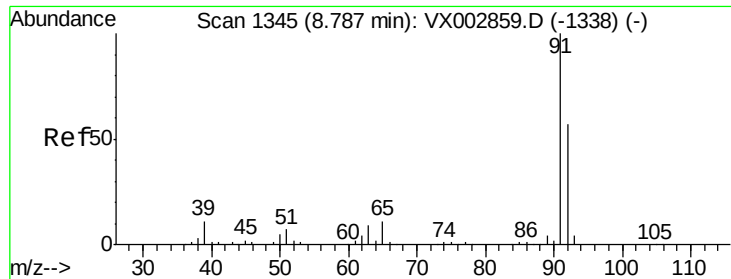
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#50
Toluene-d8
Concen: 48.60 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.9	76.3





#52

Toluene

Concen: 0.26 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

Instrument :

MSVOA_X

ClientSampleId :

S73-0221

Tot Ion: 92 Resp: 1988

Ion Ratio Lower Upper

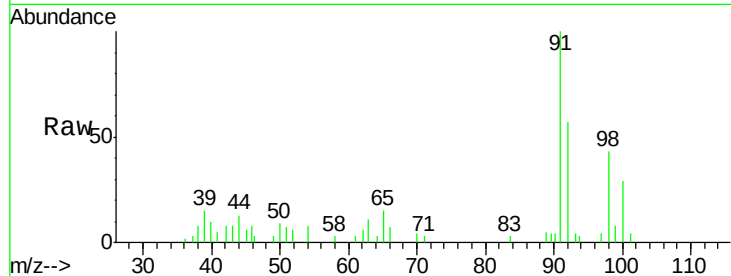
92 100

91 183.6 140.4 210.6

Manual Integrations
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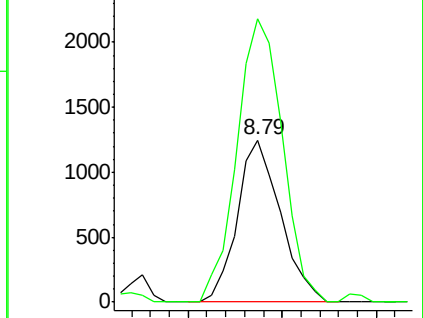
apatel

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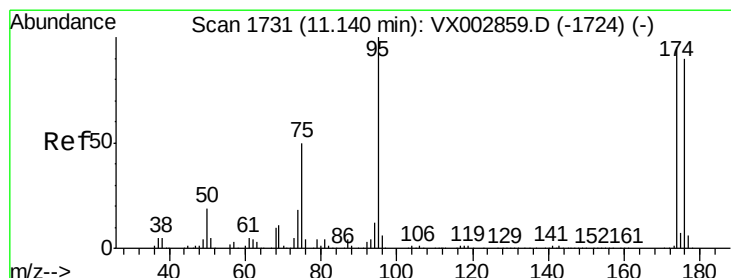
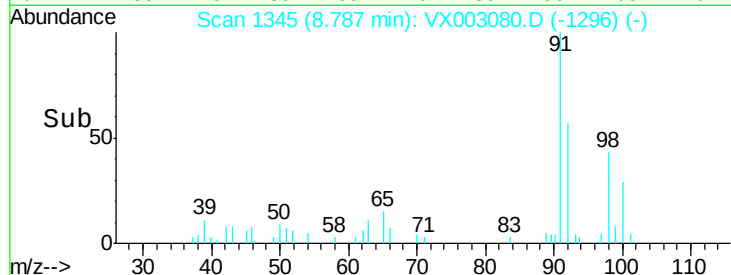


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 44.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

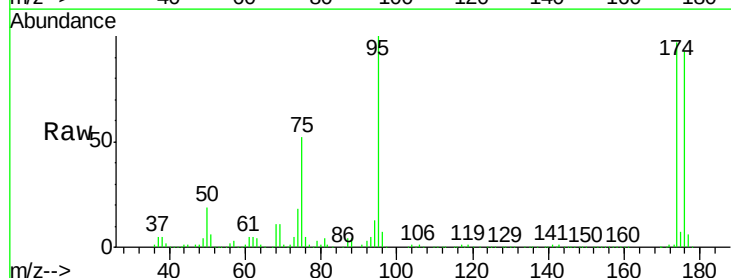
Tgt Ion: 95 Resp: 186577

Ion Ratio Lower Upper

95 100

174 98.0 0.0 187.4

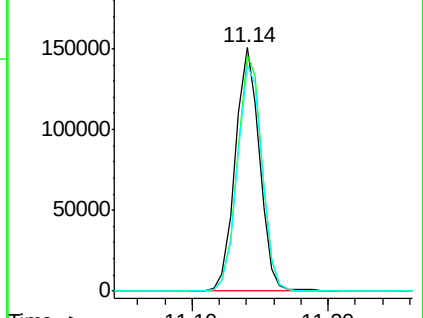
176 94.9 0.0 181.0



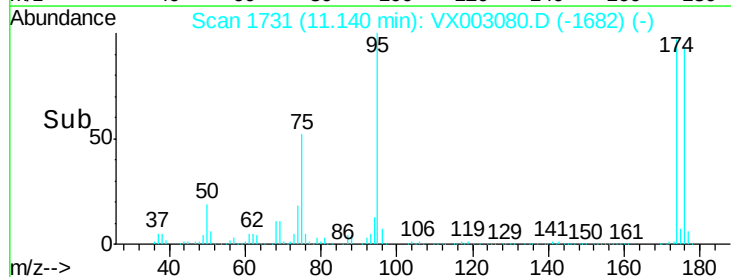
Abundance Ion 94.90 (94.60 to 95.60): VX0

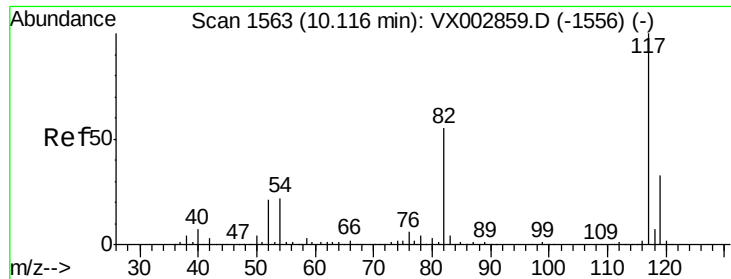
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





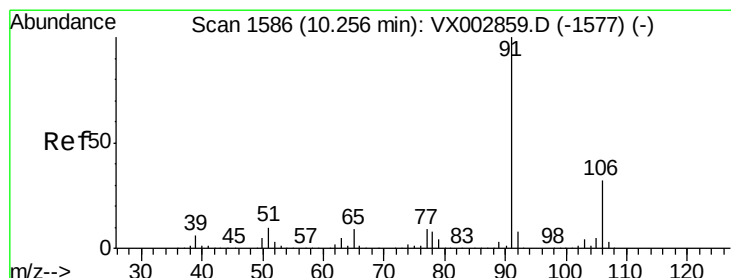
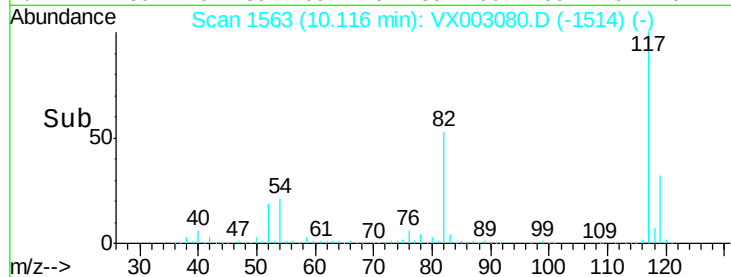
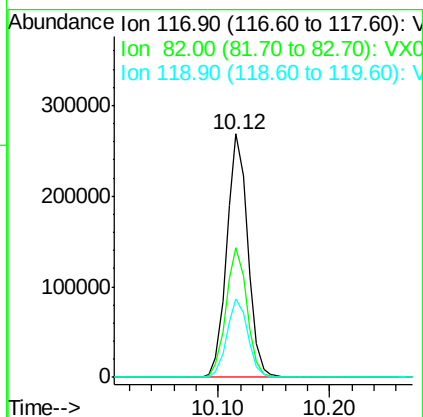
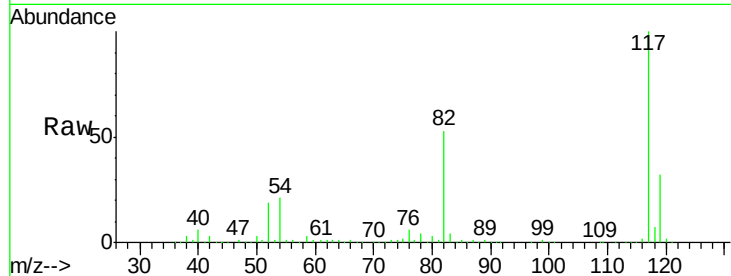
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Instrument :
MSVOA_X
ClientSampleId :
S73-0221

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	45.0	67.4
119	32.4	25.8	38.6

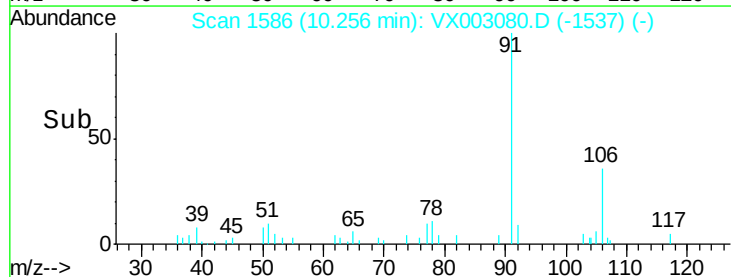
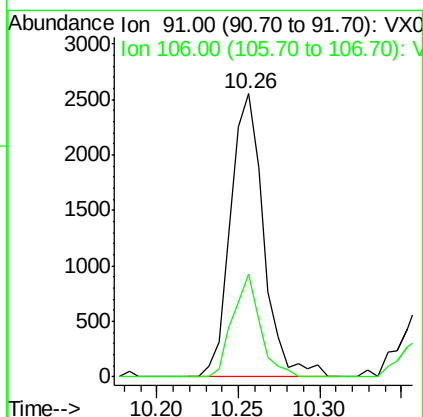
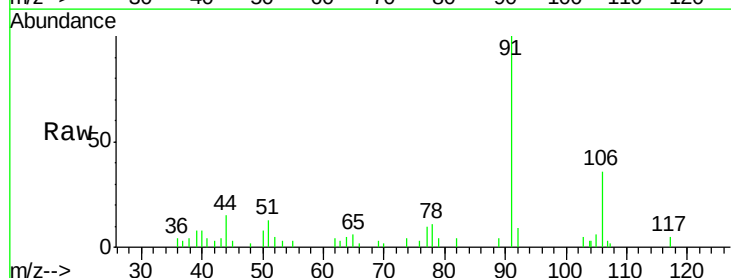
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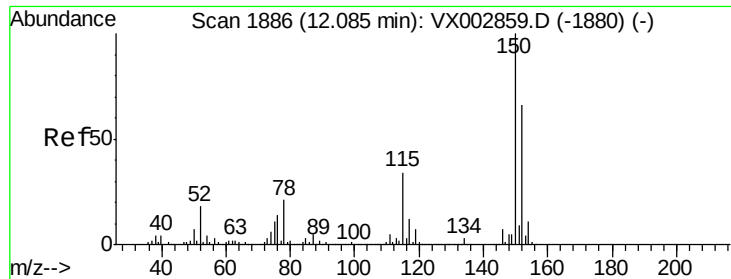
apatel
7/2/2018 4:19:15 PM



#67
Ethyl Benzene
Concen: 0.25 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.2	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

Instrument :

MSVOA_X

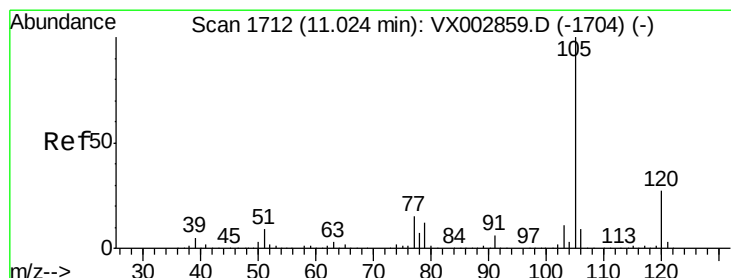
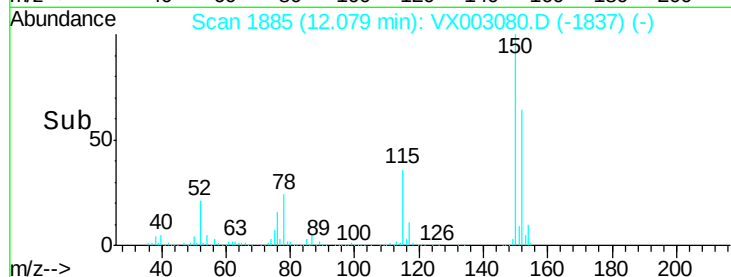
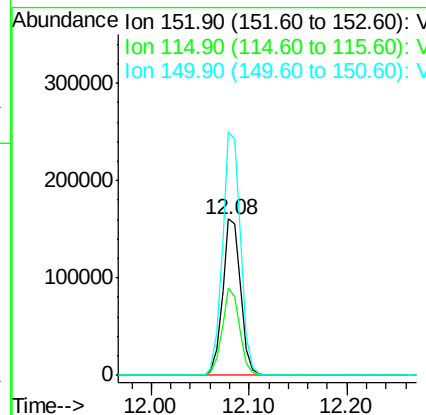
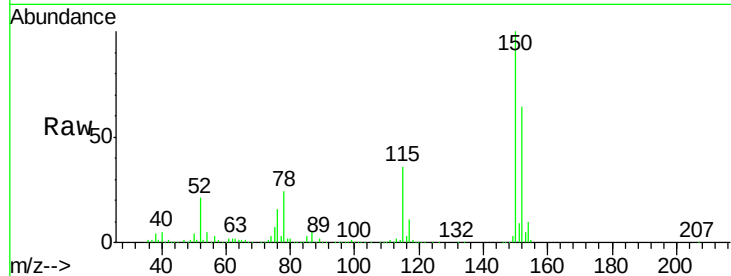
ClientSampled :

S73-0221

Tot Ion:	152	Resp:	202991
Ion Ratio	Lower	Upper	
152	100		
115	54.2	40.1	120.2
150	156.5	0.0	347.2

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#73

Isopropylbenzene

Concen: 0.28 ug/l

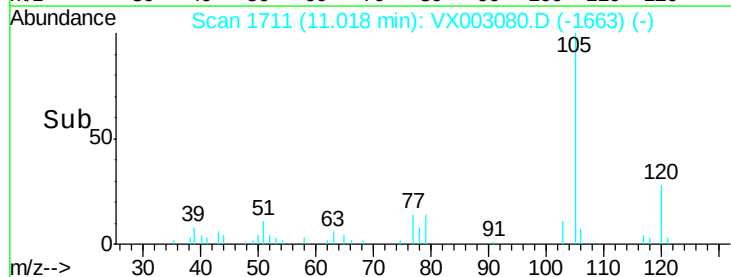
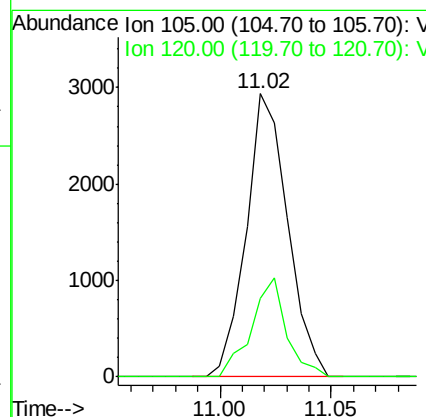
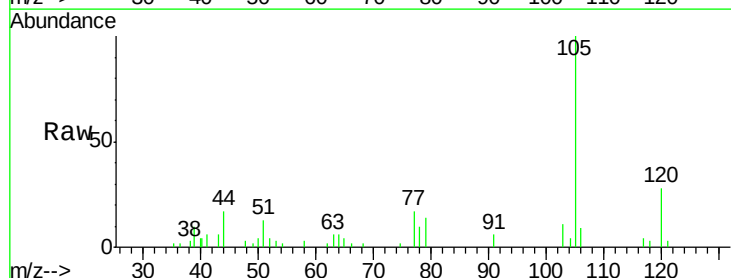
RT: 11.02 min Scan# 1711

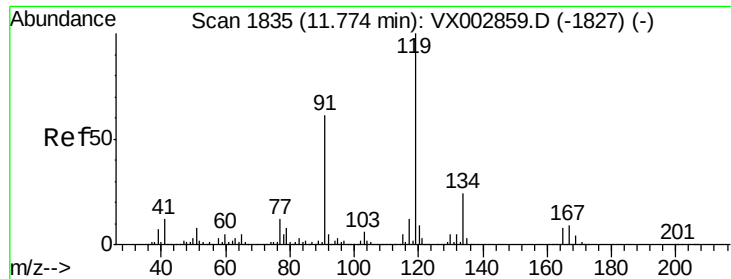
Delta R.T. -0.01 min

Lab File: VX003080.D

Acq: 30 Jun 2018 15:50

Tgt Ion:	105	Resp:	3812
Ion Ratio	Lower	Upper	
105	100		
120	29.6	13.5	40.4





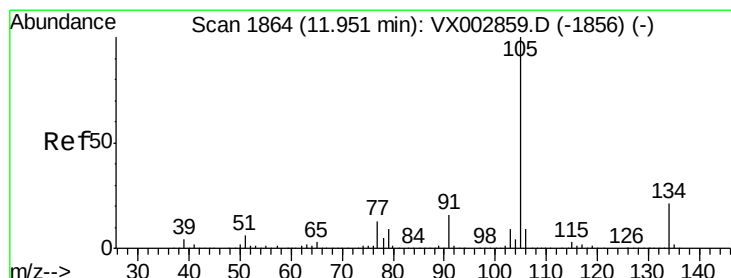
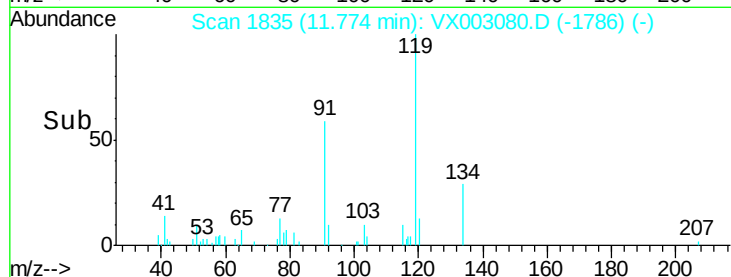
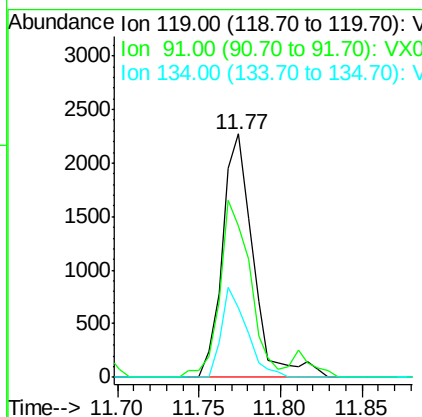
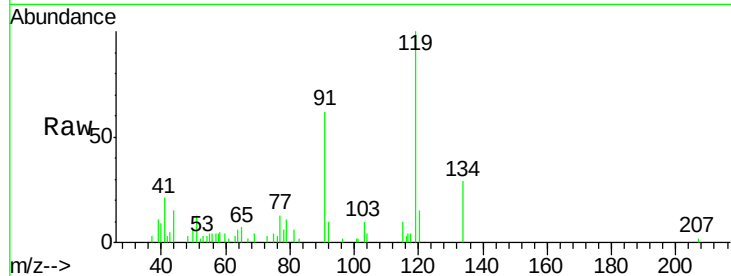
#83
tert-Butylbenzene
Concen: 0.26 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Instrument :
MSVOA_X
ClientSampleId :
S73-0221

Tot Ion	Ratio	Resp	Lower	Upper
119	100	2989		
91	71.5		30.3	90.9
134	30.5		11.7	35.1

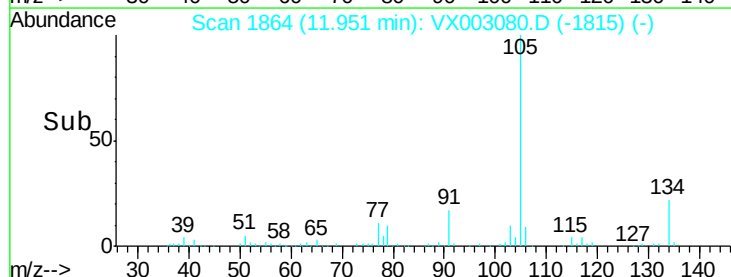
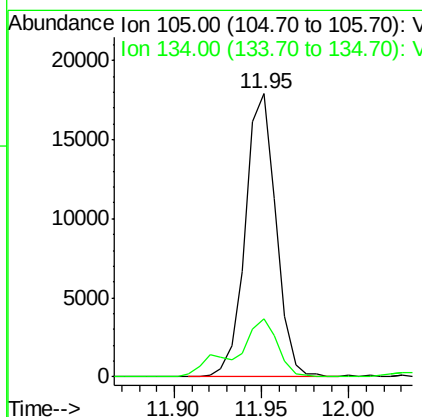
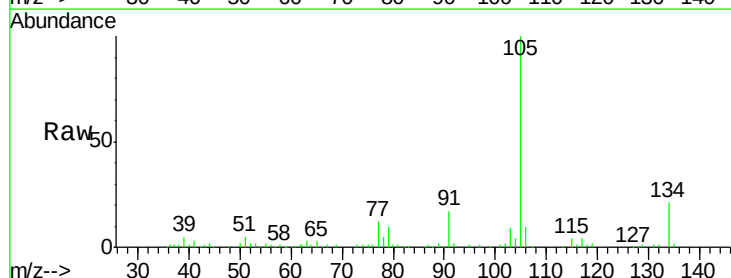
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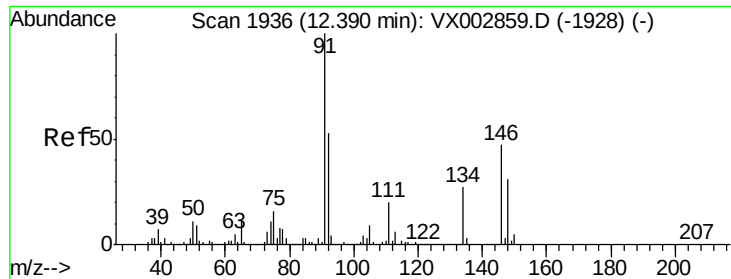
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#85
sec-Butylbenzene
Concen: 1.58 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VX003080.D
Acq: 30 Jun 2018 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	21757		
134	28.0		10.4	31.1





#89
 n-Butylbenzene
 Concen: 0.23 ug/l m
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX003080.D
 Acq: 30 Jun 2018 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 S73-0221

Tot Ion	Ratio	Lower	Upper
91	100		
92	83.8	26.0	78.0#
134	190.8	13.5	40.5#

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