

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000359.D
 Acq On : 20 Mar 2018 12:35
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
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 3/21/2018 11:44:44 AM

Quant Time: Mar 20 13:06:43 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 12:07:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	131720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	216194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	234054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157281	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	272434	149.51	ug/l	0.00
Spiked Amount			Recovery	=	299.02%	
35) Dibromofluoromethane	5.52	113	219775	161.12	ug/l	0.00
Spiked Amount			Recovery	=	322.24%	
50) Toluene-d8	8.73	98	986088	173.29	ug/l	0.00
Spiked Amount			Recovery	=	346.58%	
62) 4-Bromofluorobenzene	11.15	95	402981	176.60	ug/l	0.00
Spiked Amount			Recovery	=	353.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	206328	145.41	ug/l	98
3) Chloromethane	1.32	50	209054	144.53	ug/l	97
4) Vinyl Chloride	1.41	62	217658	134.35	ug/l	97
5) Bromomethane	1.64	94	290986	160.95	ug/l	96
6) Chloroethane	1.71	64	200108	173.79	ug/l	97
7) Trichlorofluoromethane	1.92	101	432080	153.56	ug/l	100
8) Diethyl Ether	2.20	74	148236	148.00	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	226805	149.70	ug/l	98
10) Methyl Iodide	2.51	142	259463	169.49	ug/l	100
11) Tert butyl alcohol	3.12	59	503589	854.13	ug/l	99
12) 1,1-Dichloroethene	2.37	96	210623	146.49	ug/l	97
13) Acrolein	2.31	56	152831	602.51	ug/l	98
14) Allyl chloride	2.73	41	385238	150.25	ug/l	99
15) Acrylonitrile	3.17	53	935599	823.00	ug/l	100
16) Acetone	2.46	43	1072595	881.57	ug/l	99
17) Carbon Disulfide	2.57	76	578265	137.67	ug/l	99
18) Methyl Acetate	2.79	43	445329	163.56	ug/l	99
19) Methyl tert-butyl Ether	3.22	73	800386	158.12	ug/l	99
20) Methylene Chloride	2.87	84	224677	142.63	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	240991	151.60	ug/l	98
22) Diisopropyl ether	3.89	45	668289	156.61	ug/l	97
23) Vinyl Acetate	3.84	43	3156991	776.17	ug/l	100
24) 1,1-Dichloroethane	3.70	63	375752	139.97	ug/l	99
25) 2-Butanone	4.73	43	1272043	874.74	ug/l	99
26) 2,2-Dichloropropane	4.60	77	316256	163.21	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	217905	150.07	ug/l	98
28) Bromochloromethane	5.04	49	172923	153.26	ug/l	99
29) Tetrahydrofuran	5.18	42	797119	851.66	ug/l	99
30) Chloroform	5.23	83	418410	165.08	ug/l	97
31) Cyclohexane	5.59	56	312023	151.48	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	370066	165.21	ug/l	98
36) 1,1-Dichloropropene	5.81	75	294566	149.95	ug/l	99
37) Ethyl Acetate	4.88	43	428937	164.30	ug/l	99
38) Carbon Tetrachloride	5.79	117	325202	164.21	ug/l	99

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	360129	157.18	ug/l	97
40) Benzene	6.16	78	871452	156.37	ug/l	99
41) Methacrylonitrile	5.09	41	220372	160.76	ug/l	98
42) 1,2-Dichloroethane	6.21	62	332553	150.55	ug/l	99
43) Isopropyl Acetate	6.48	43	650876	172.73	ug/l	99
44) Trichloroethene	7.23	130	239787	148.49	ug/l	99
45) 1,2-Dichloropropane	7.52	63	223546	162.65	ug/l	96
46) Dibromomethane	7.67	93	170787	154.68	ug/l	98
47) Bromodichloromethane	7.91	83	337830	172.36	ug/l	100
48) Methyl methacrylate	7.79	41	314729	165.19	ug/l	98
49) 1,4-Dioxane	7.77	88	140390	3275.14	ug/l	97
51) 4-Methyl-2-Pentanone	8.67	43	2708125	925.47	ug/l	98
52) Toluene	8.79	92	661944	169.09	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	402969	178.14	ug/l	98
54) cis-1,3-Dichloropropene	9.06	75	412024	186.26	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	275672	175.50	ug/l	98
56) Ethyl methacrylate	9.20	69	453241	194.87	ug/l	95
57) 1,3-Dichloropropane	9.38	76	410333	161.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.33	63	1010492	944.74	ug/l	100
59) 2-Hexanone	9.51	43	2362412	958.24	ug/l	97
60) Dibromochloromethane	9.59	129	330087	198.73	ug/l	98
61) 1,2-Dibromoethane	9.68	107	302292	173.61	ug/l	99
64) Tetrachloroethene	9.34	164	231510	138.50	ug/l	98
65) Chlorobenzene	10.15	112	783578	164.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	275476	171.84	ug/l	98
67) Ethyl Benzene	10.26	91	1298104	159.75	ug/l	100
68) m/p-Xylenes	10.37	106	1092445	345.06	ug/l	95
69) o-Xylene	10.71	106	525888	170.99	ug/l	100
70) Styrene	10.72	104	941723	184.52	ug/l	96
71) Bromoform	10.87	173	309286	220.57	ug/l #	96
73) Isopropylbenzene	11.03	105	1475424	155.75	ug/l	99
74) N-amyl acetate	6.48	43	650876	143.53	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	542226	160.79	ug/l	100
76) 1,2,3-Trichloropropane	11.31	75	454415m	143.53	ug/l	
77) Bromobenzene	11.27	156	392651	157.92	ug/l	95
78) n-propylbenzene	11.37	91	1708645	149.58	ug/l	99
79) 2-Chlorotoluene	11.43	91	979381	151.09	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	1267195	157.03	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	184322	198.35	ug/l	93
82) 4-Chlorotoluene	11.52	91	1203461	151.05	ug/l	97
83) tert-Butylbenzene	11.78	119	1295106	164.51	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	1289840	155.47	ug/l	97
85) sec-Butylbenzene	11.96	105	1565311	158.82	ug/l	99
86) p-Isopropyltoluene	12.07	119	1432154	163.28	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	763226	156.42	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	788297	155.47	ug/l	98
89) n-Butylbenzene	12.40	91	1320914	154.89	ug/l	99
90) Hexachloroethane	12.60	117	241067	171.35	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	770891	163.11	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	156340	171.26	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDICC150

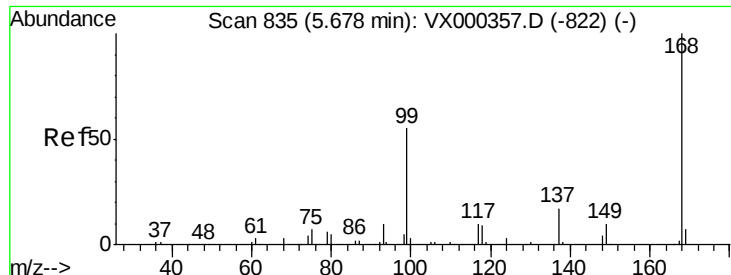
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	542316	159.30	ug/l	99
94) Hexachlorobutadiene	13.79	225	219915	163.75	ug/l	98
95) Naphthalene	13.85	128	1970096	166.76	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	545385	158.59	ug/l	100

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



#1

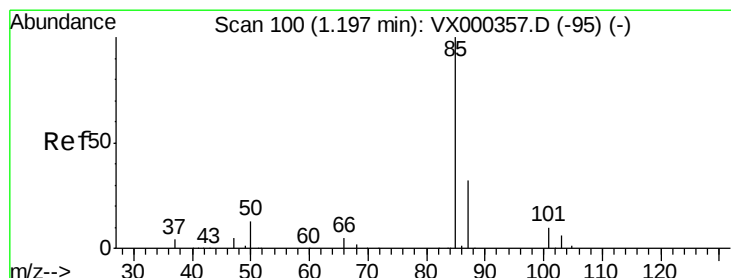
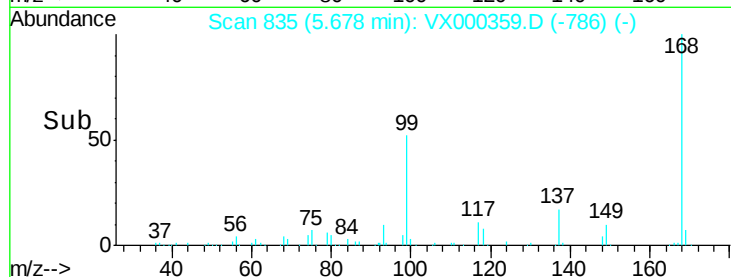
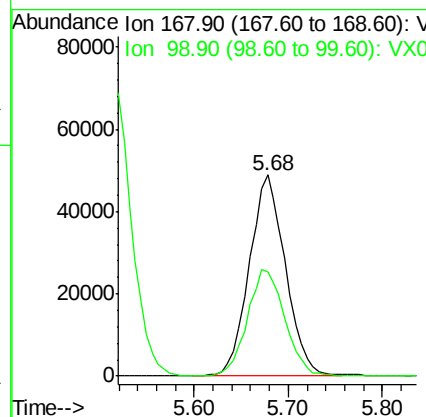
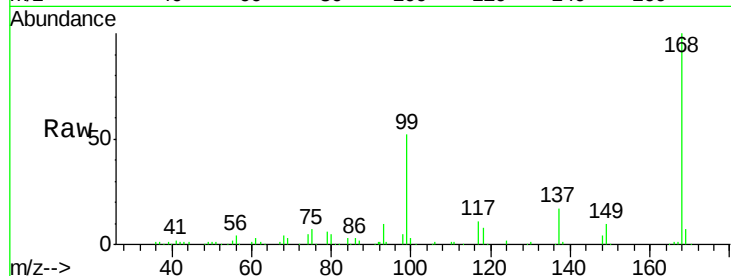
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.6	45.8	68.6

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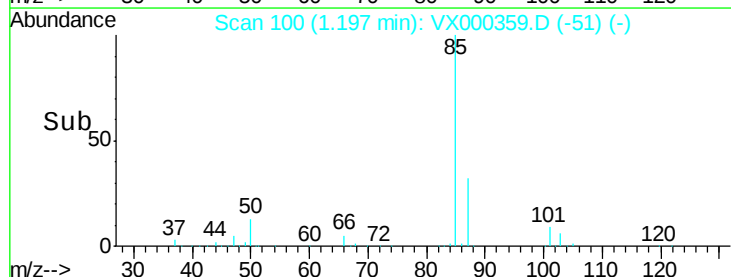
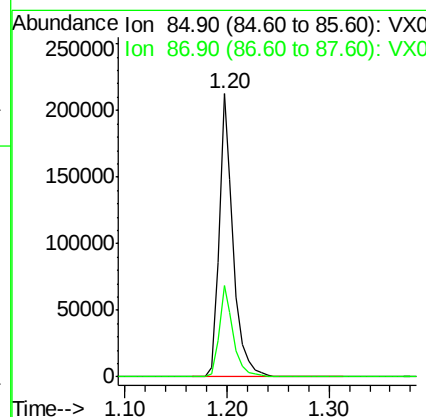
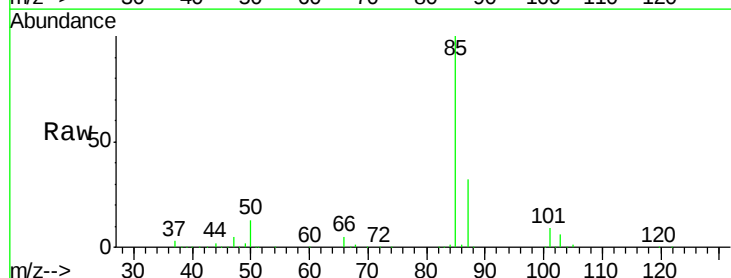
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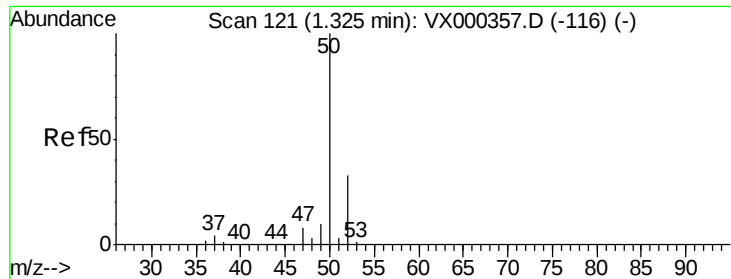


#2

Dichlorodifluoromethane
 Concen: 145.41 ug/l
 RT: 1.20 min Scan# 100
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.8	50.3





#3

Chloromethane

Concen: 144.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 209054

Ion Ratio Lower Upper

50 100

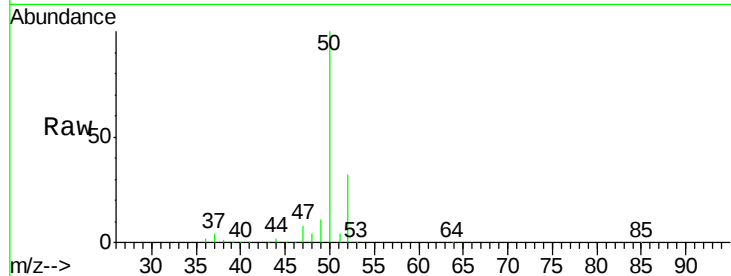
52 32.5 27.5 41.3

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250000

200000

150000

100000

50000

0

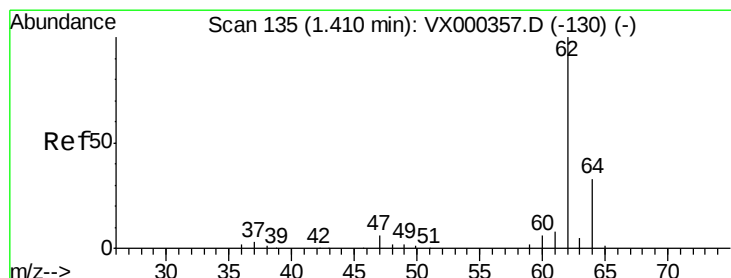
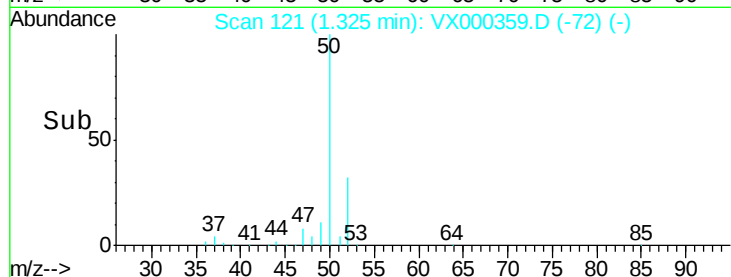
1.25

1.30

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 134.35 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX000359.D

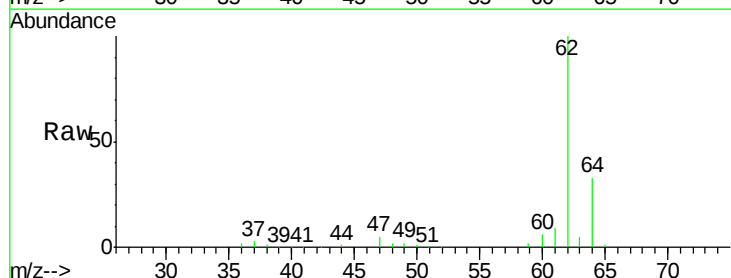
Acq: 20 Mar 2018 12:35

Tgt Ion: 62 Resp: 217658

Ion Ratio Lower Upper

62 100

64 32.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

250000

200000

150000

100000

50000

0

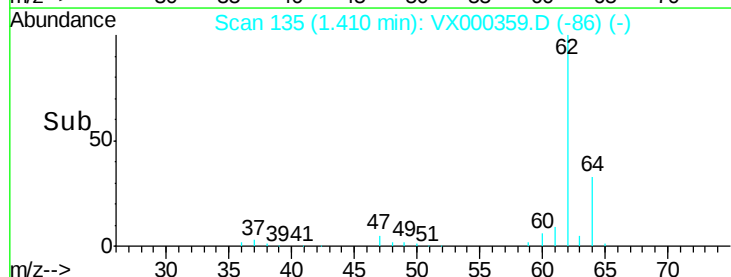
1.35

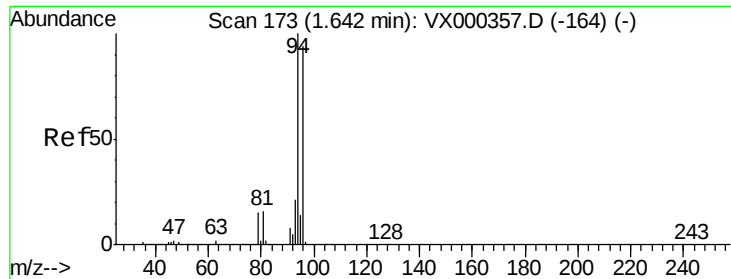
1.40

1.45

1.50

Time-->





#5

Bromomethane

Concen: 160.95 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 290986

Ion Ratio Lower Upper

94 100

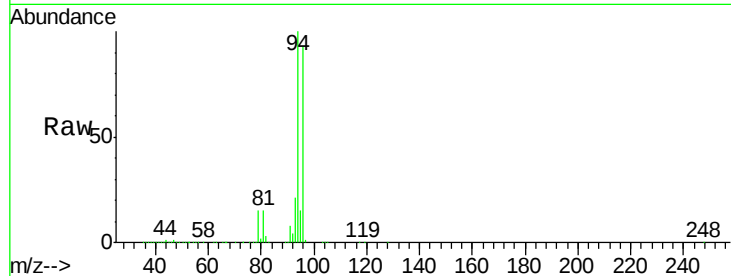
96 92.9 77.7 116.5

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

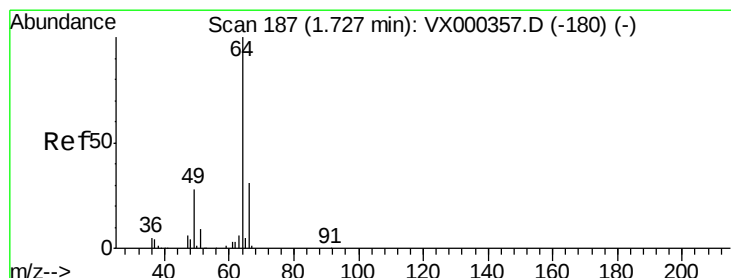
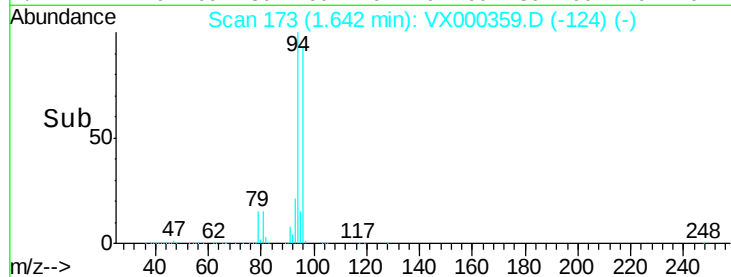
300000

200000

100000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 173.79 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX000359.D

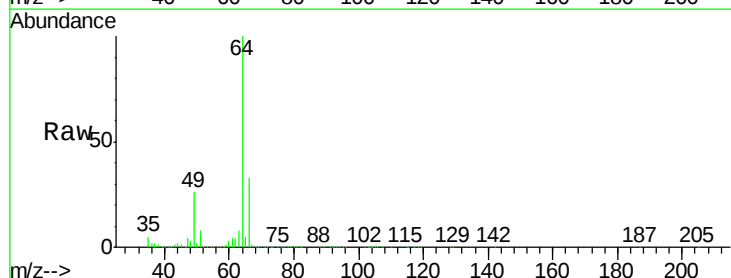
Acq: 20 Mar 2018 12:35

Tgt Ion: 64 Resp: 200108

Ion Ratio Lower Upper

64 100

66 32.7 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

200000

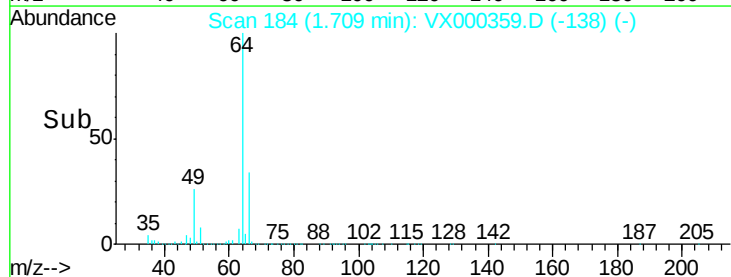
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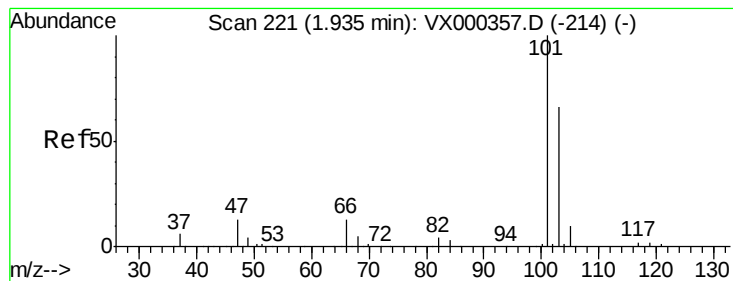
100000

50000

0

Time--> 1.65 1.70 1.75 1.80





#7

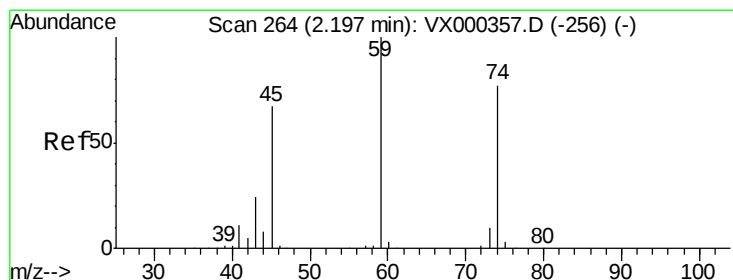
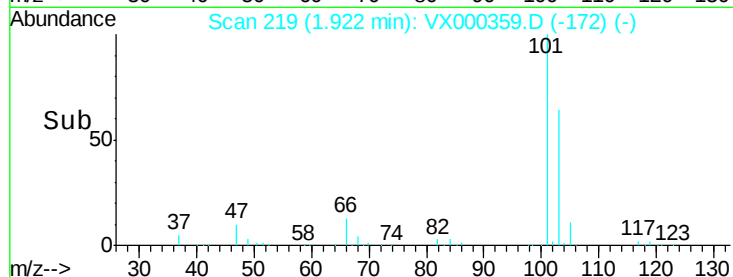
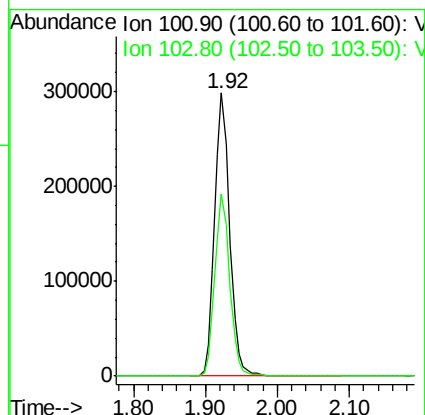
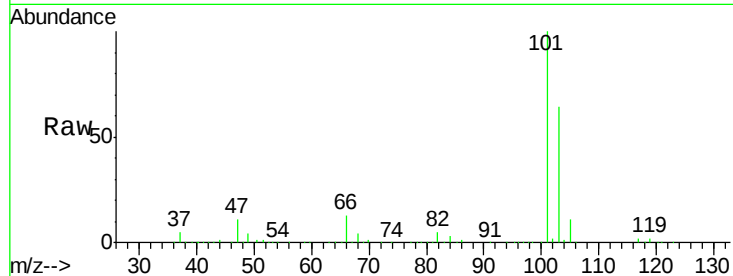
Trichlorofluoromethane
 Concen: 153.56 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.6	77.4

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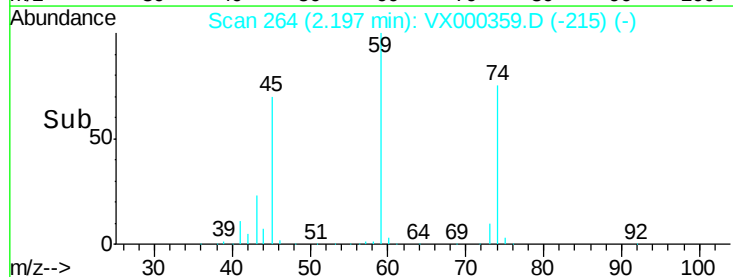
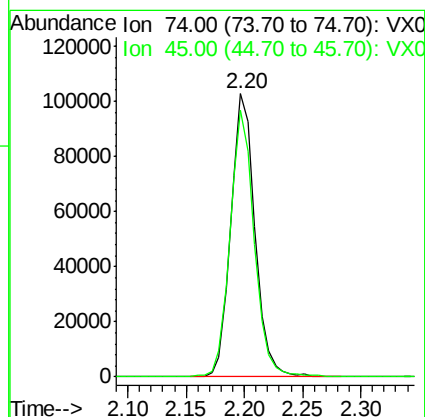
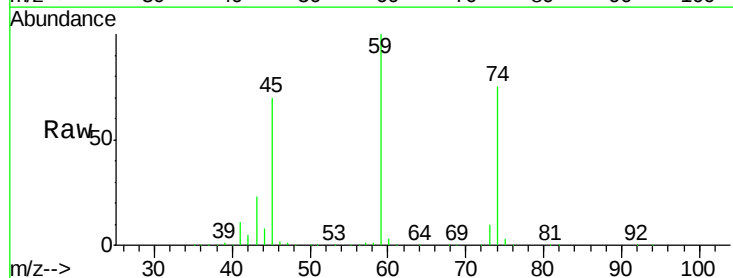
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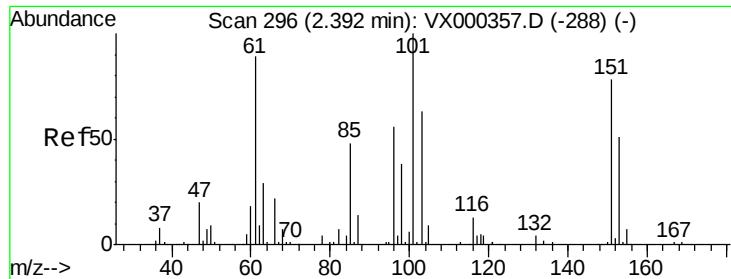


#8

Diethyl Ether
 Concen: 148.00 ug/l
 RT: 2.20 min Scan# 264
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.9	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.70 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

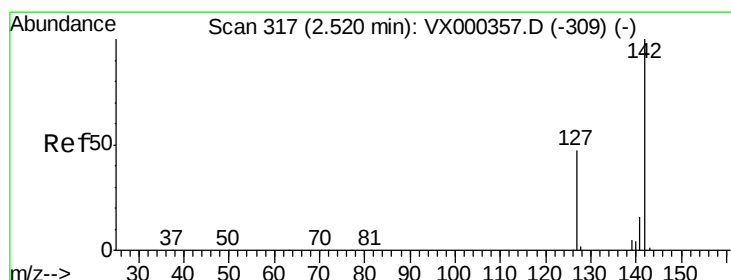
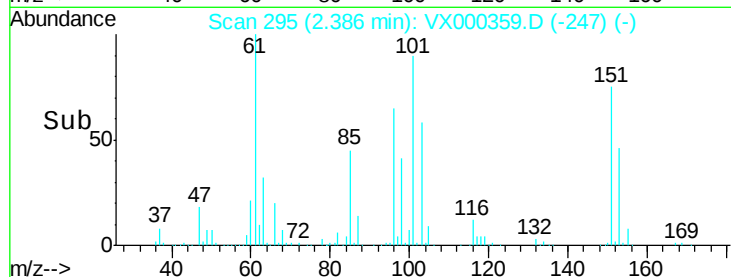
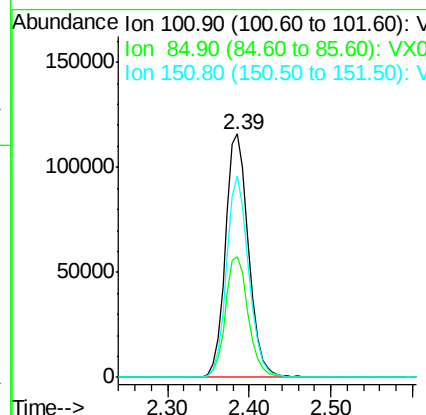
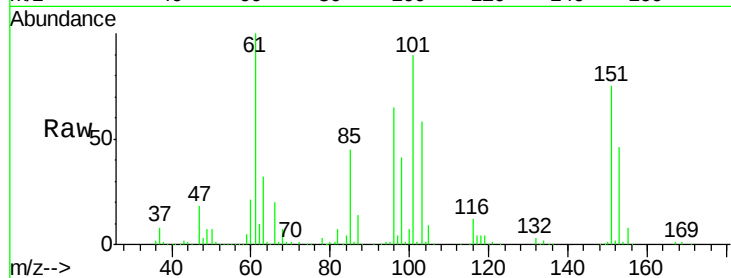
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	226805
Ion Ratio	Lower	Upper	
101	100		
85	49.3	37.6	56.4
151	79.7	62.6	93.8

Manual Integrations
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#10

Methyl Iodide

Concen: 169.49 ug/l

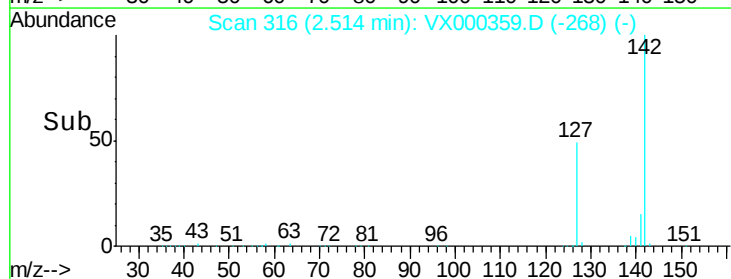
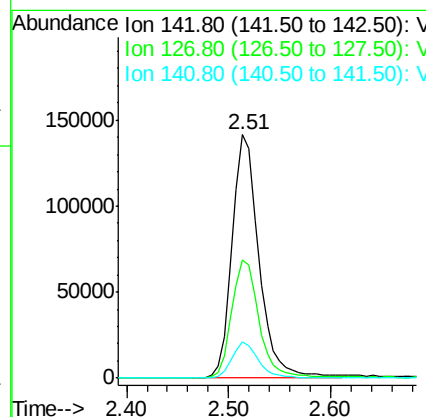
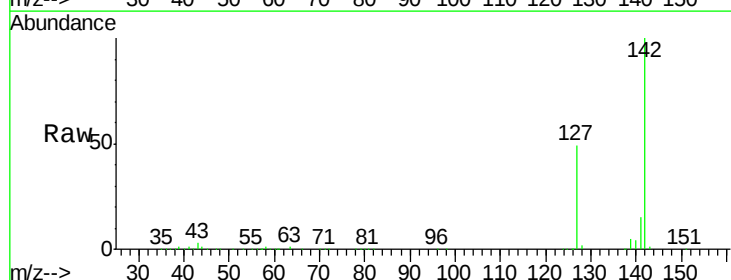
RT: 2.51 min Scan# 316

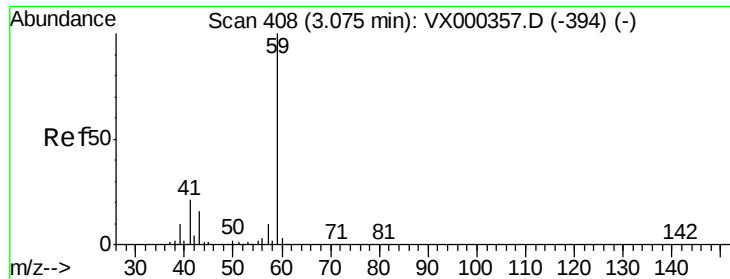
Delta R.T. -0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	142	Resp:	259463
Ion Ratio	Lower	Upper	
142	100		
127	49.1	39.2	58.8
141	14.6	11.7	17.5





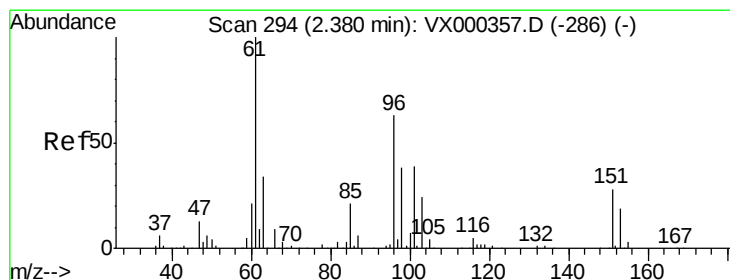
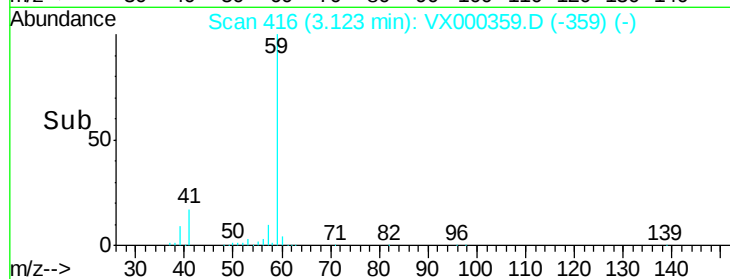
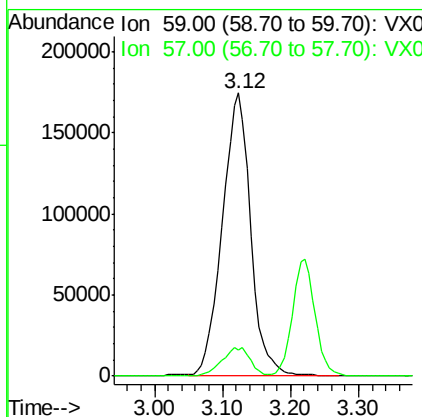
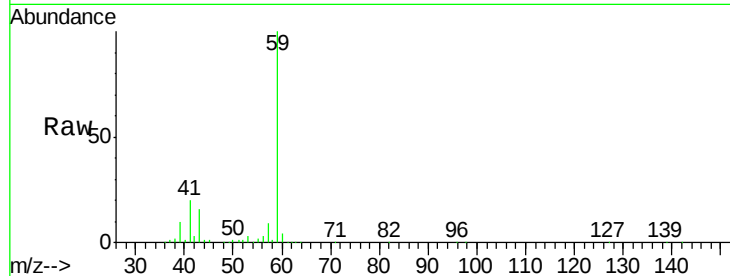
#11
Tert butyl alcohol
Concen: 854.13 ug/l
RT: 3.12 min Scan# 416
Delta R.T. 0.05 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

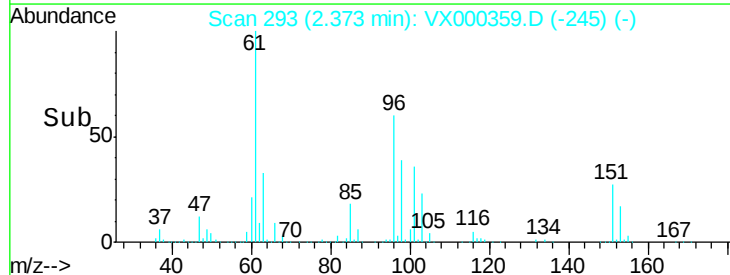
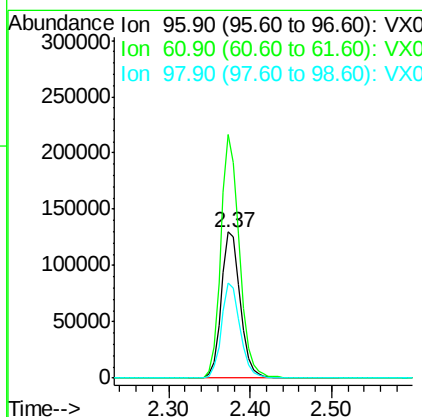
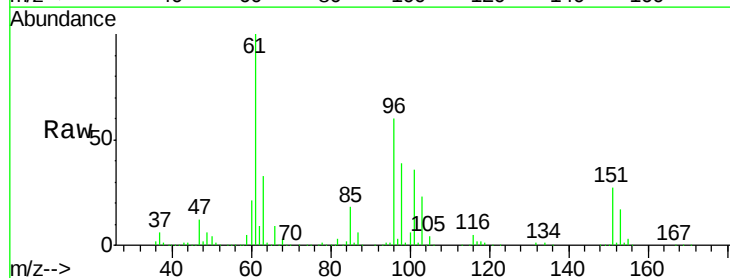
Manual Integrations
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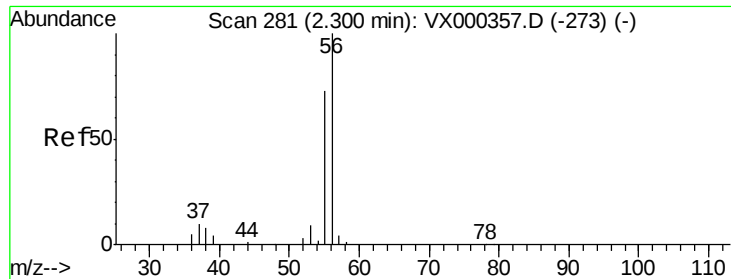
sam
3/21/2018 11:44:44 AM



#12
1,1-Dichloroethene
Concen: 146.49 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	131.2	196.8
98	64.8	49.8	74.8





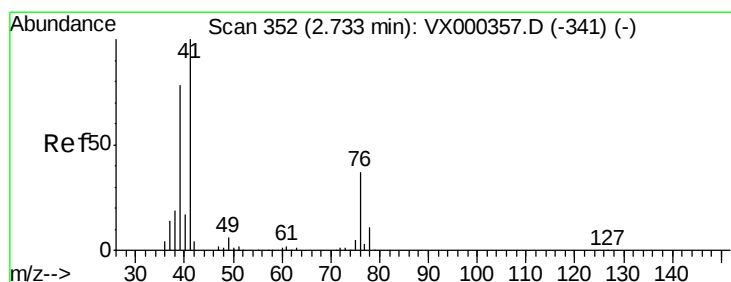
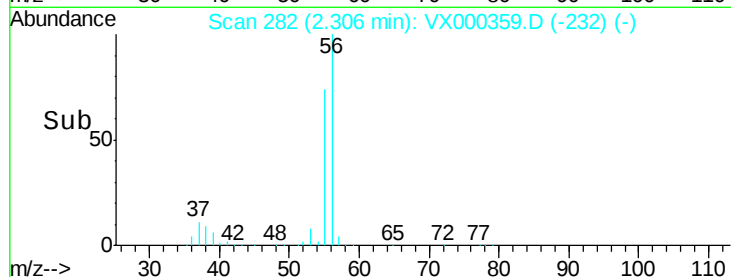
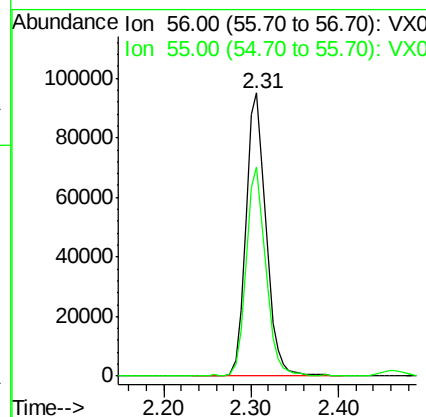
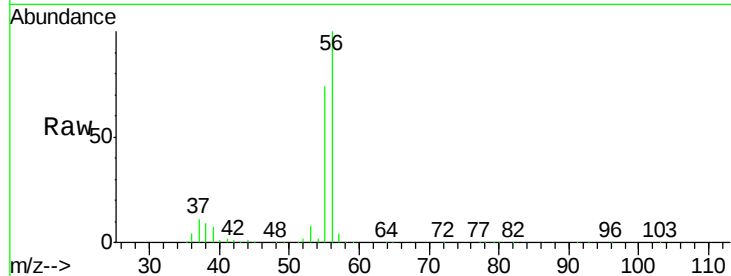
#13
Acrolein
Concen: 602.51 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	58.8	88.2

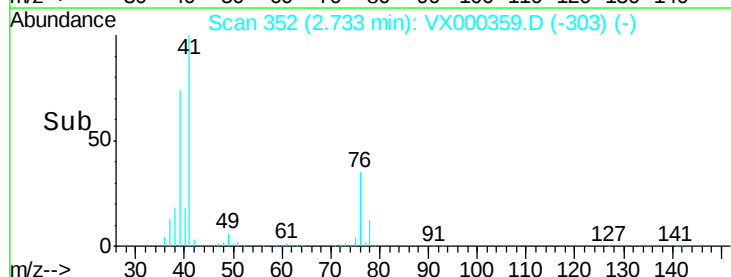
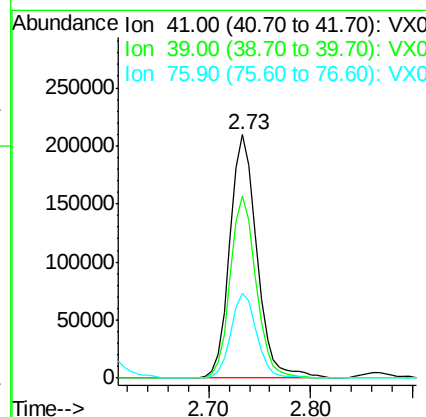
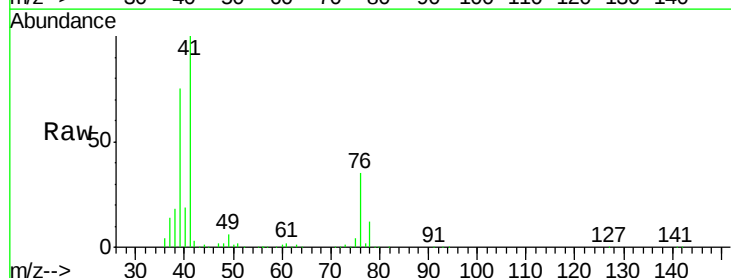
Manual Integrations
APPROVED

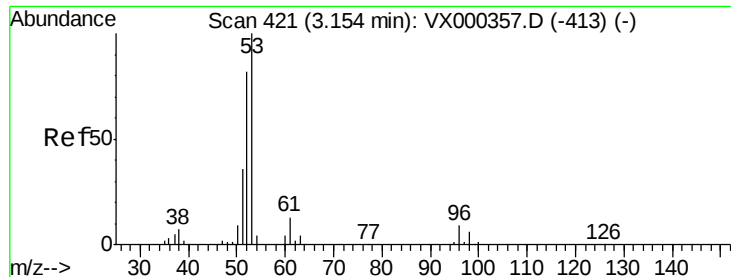
sam
3/21/2018 11:44:44 AM



#14
Allyl chloride
Concen: 150.25 ug/l
RT: 2.73 min Scan# 352
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.1	57.6	86.4
76	33.3	27.3	40.9





#15

Acrylonitrile

Concen: 823.00 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

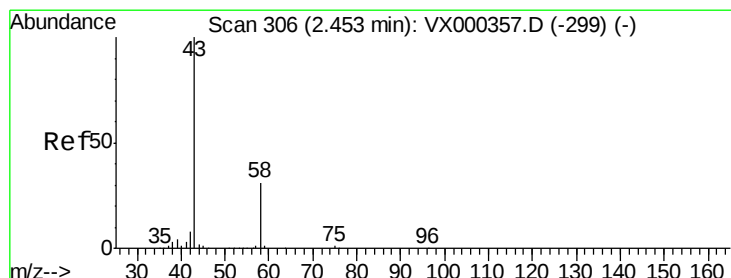
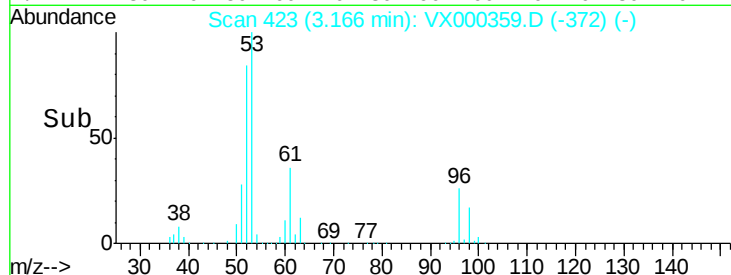
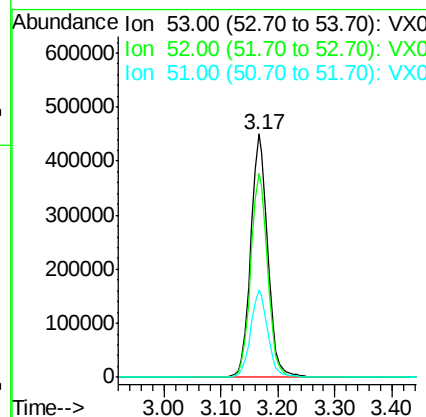
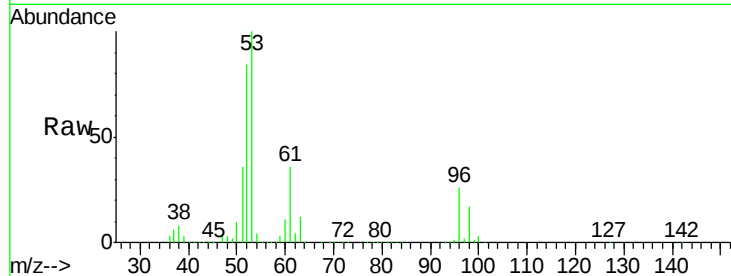
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	935599
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.6	99.8
51	36.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 881.57 ug/l

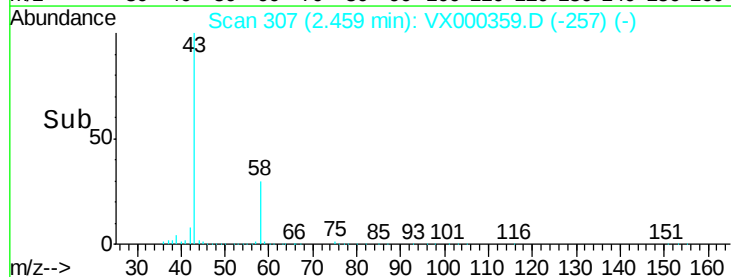
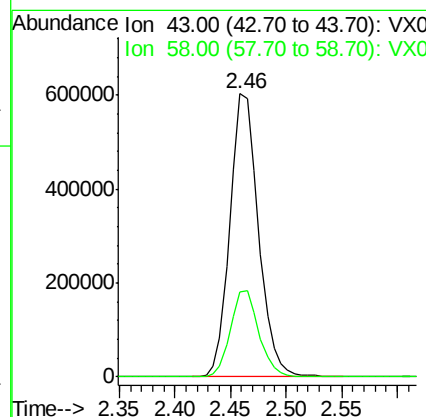
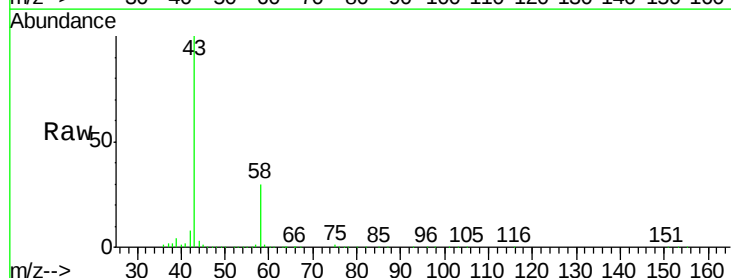
RT: 2.46 min Scan# 307

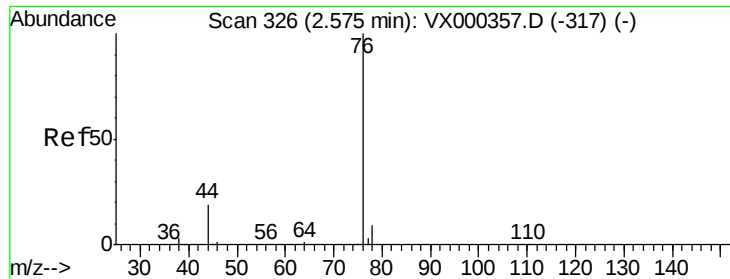
Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	43	Resp:	1072595
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.7	37.1





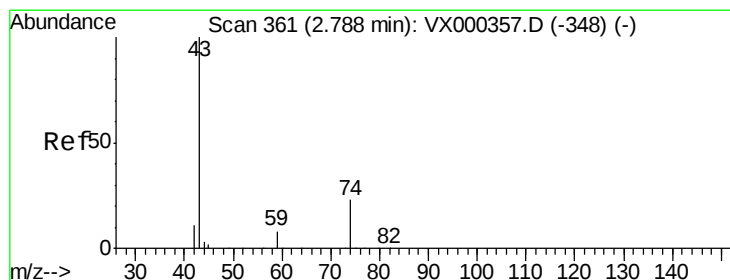
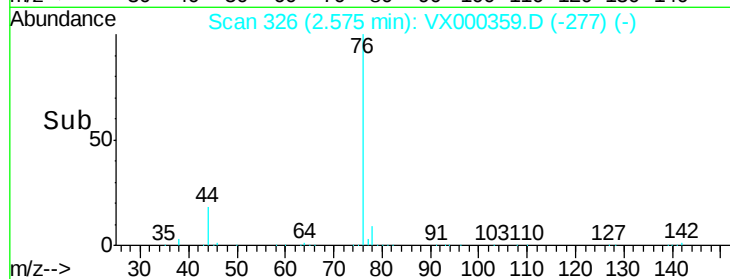
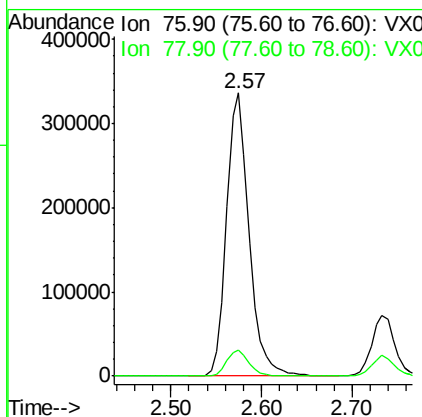
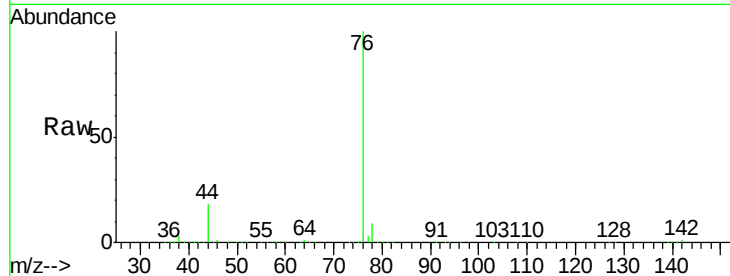
#17
Carbon Disulfide
Concen: 137.67 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

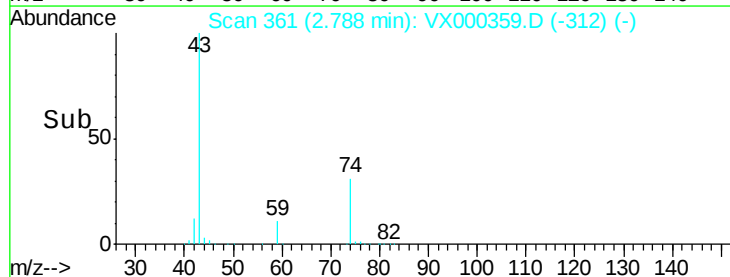
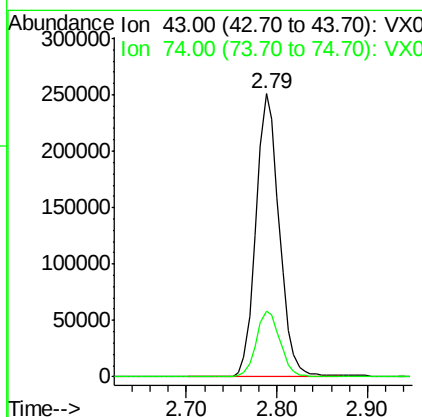
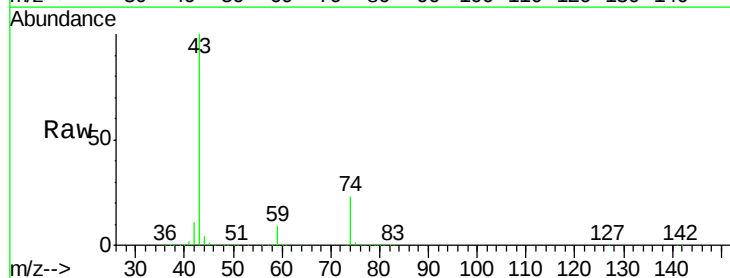
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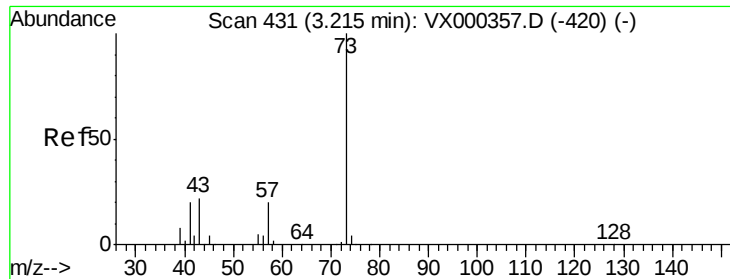
sam
3/21/2018 11:44:44 AM



#18
Methyl Acetate
Concen: 163.56 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





#19

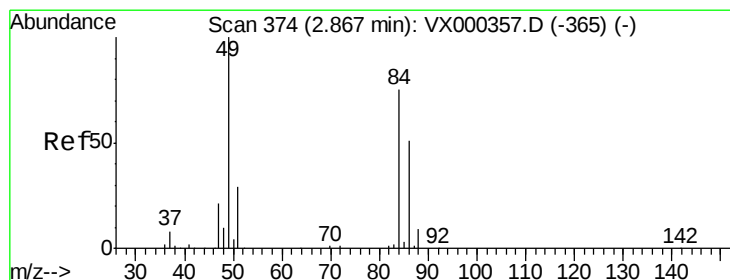
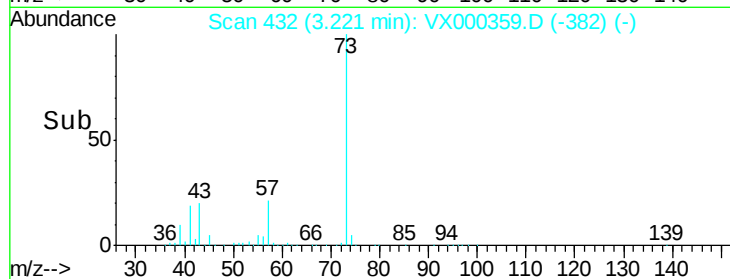
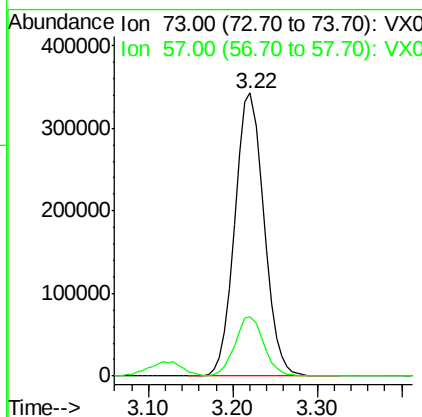
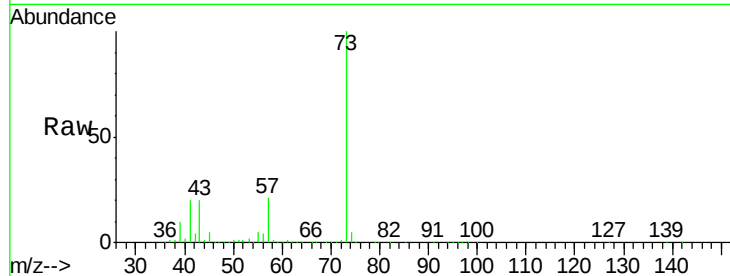
Methyl tert-butyl Ether
 Concen: 158.12 ug/l
 RT: 3.22 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.2	25.8

Manual Integrations
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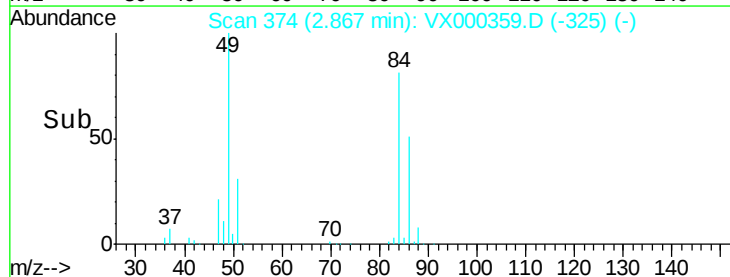
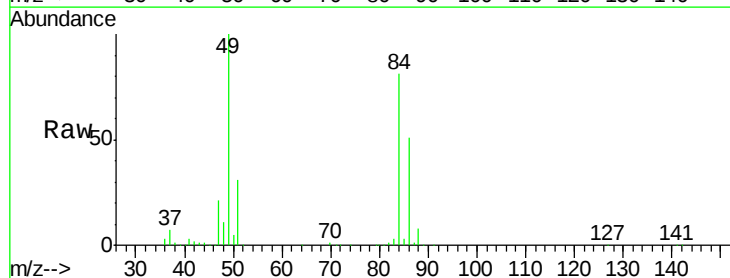
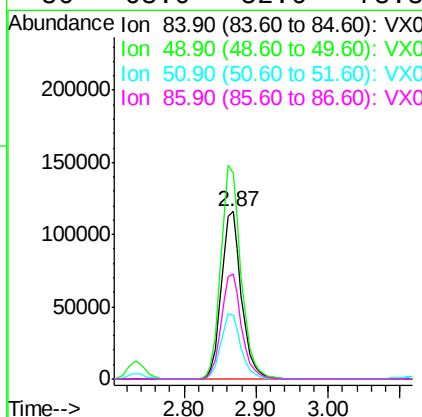
sam
 3/21/2018 11:44:44 AM



#20

Methylene Chloride
 Concen: 142.63 ug/l
 RT: 2.87 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	100.6	151.0
51	38.4	31.6	47.4
86	63.0	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 151.60 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

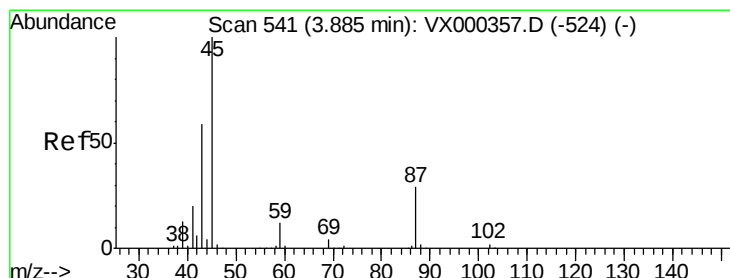
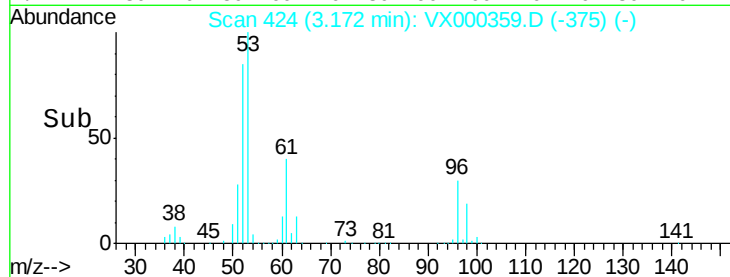
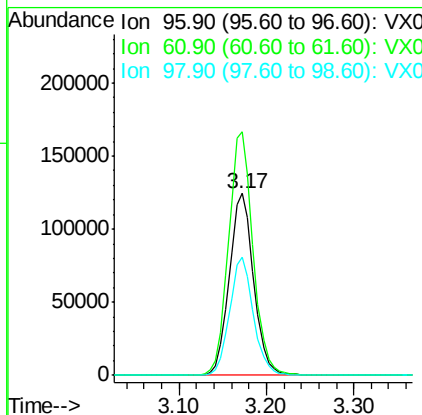
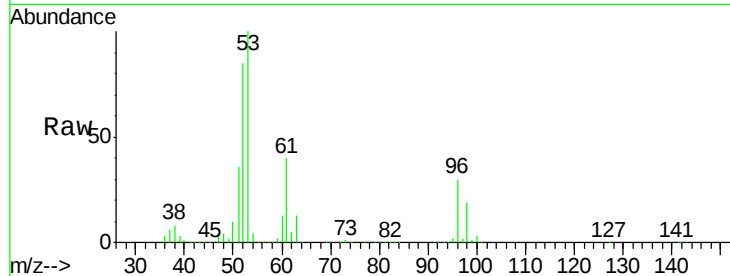
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	240991
Ion	Ratio	Lower	Upper
96	100		
61	133.7	104.0	156.0
98	65.1	52.1	78.1

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 156.61 ug/l

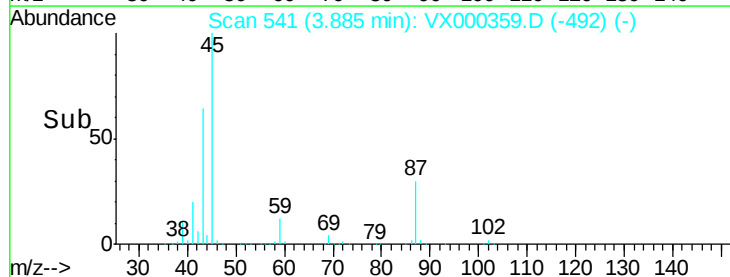
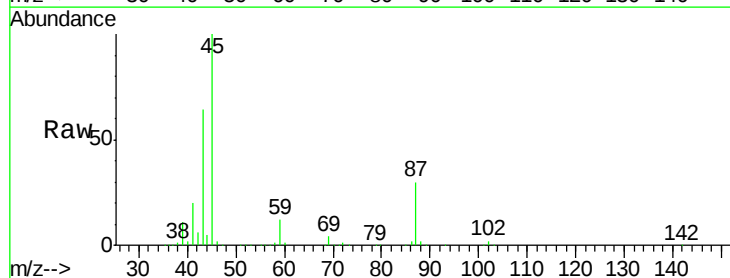
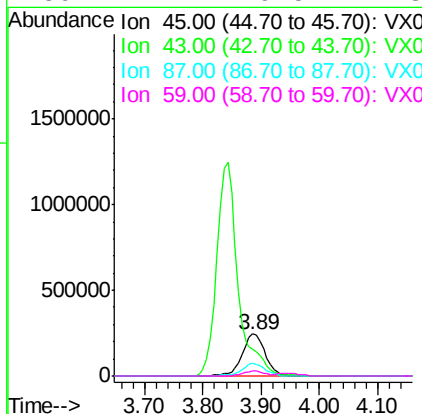
RT: 3.89 min Scan# 541

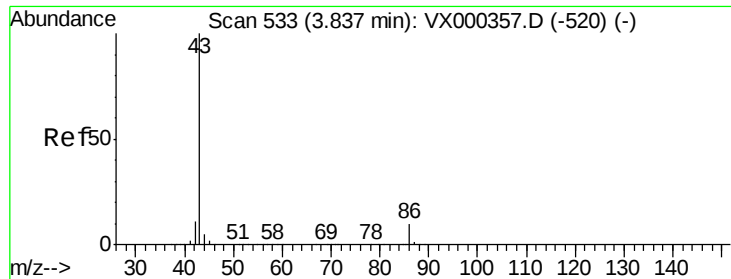
Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	45	Resp:	668289
Ion	Ratio	Lower	Upper
45	100		
43	64.0	53.9	80.9
87	29.9	22.6	34.0
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 776.17 ug/l

RT: 3.84 min Scan# 534

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3156991

Ion Ratio Lower Upper

43 100

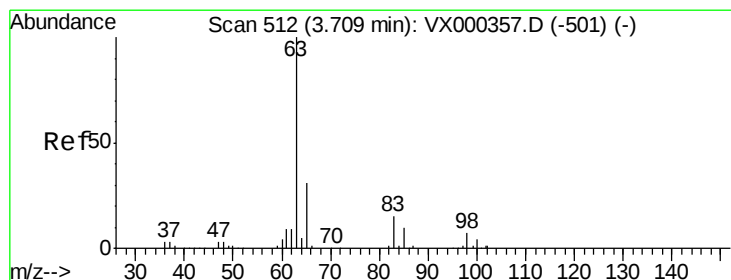
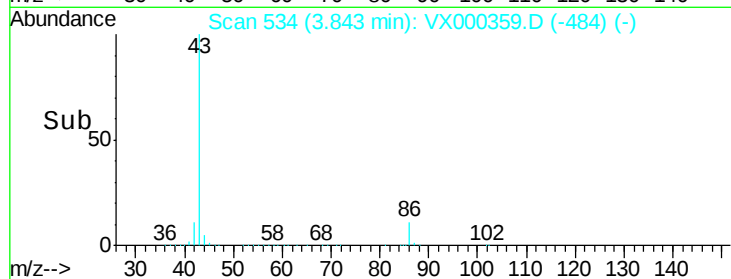
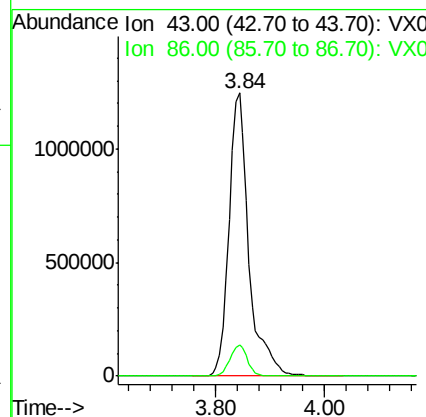
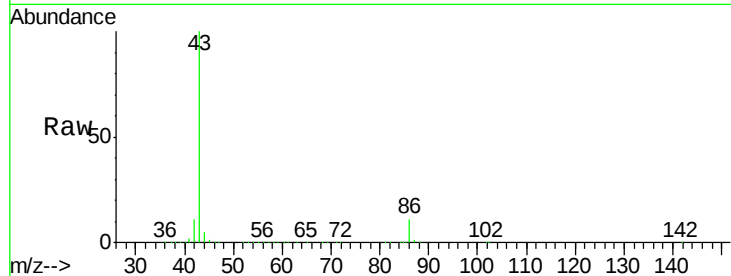
86 10.9 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 139.97 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

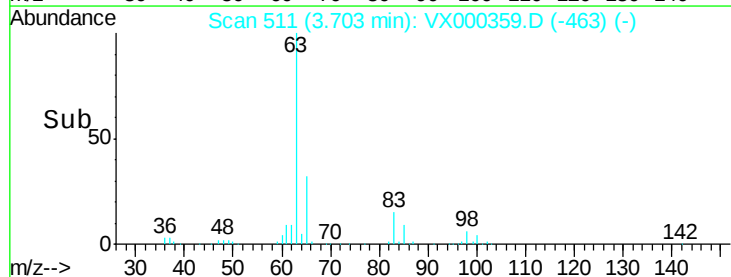
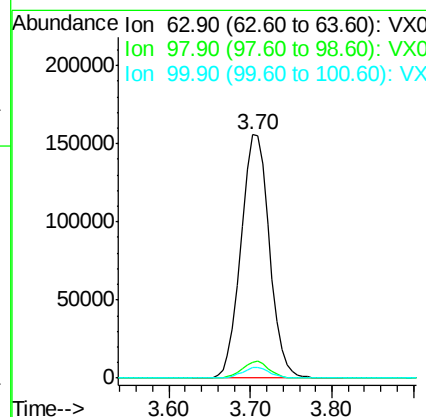
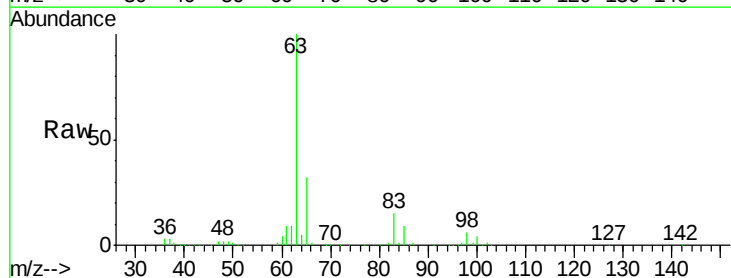
Tgt Ion: 63 Resp: 375752

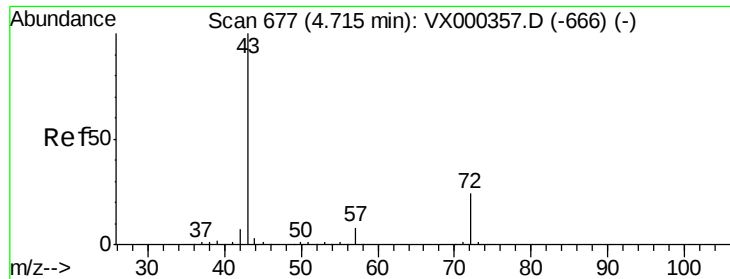
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 874.74 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1272043

Ion Ratio Lower Upper

43 100

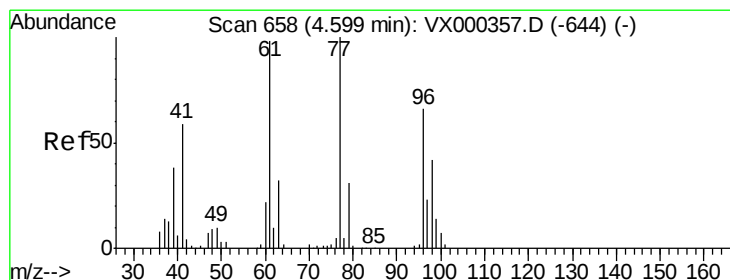
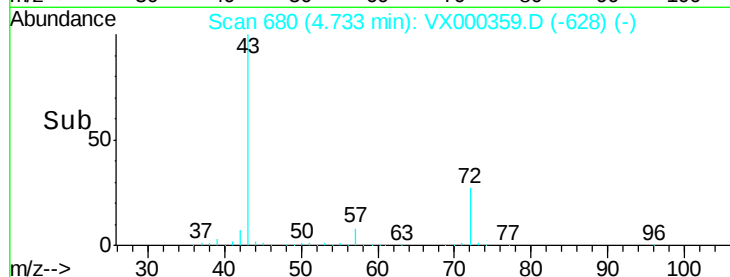
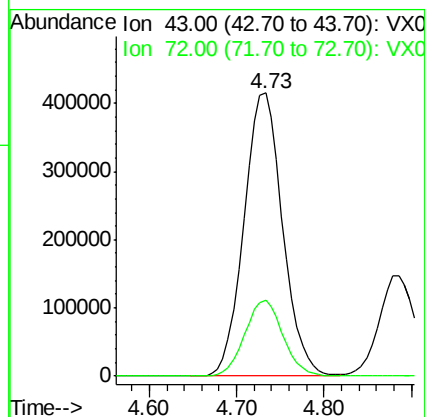
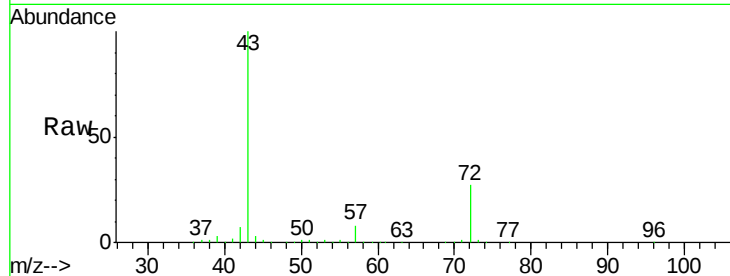
72 26.7 21.0 31.6

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 163.21 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX000359.D

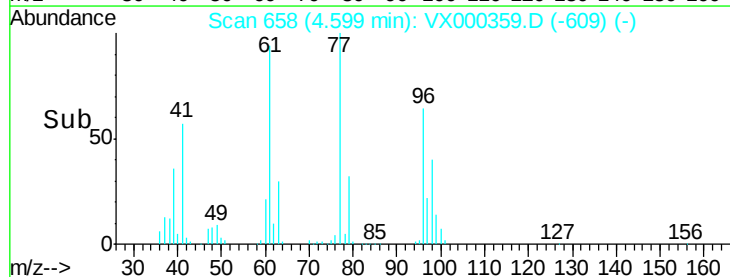
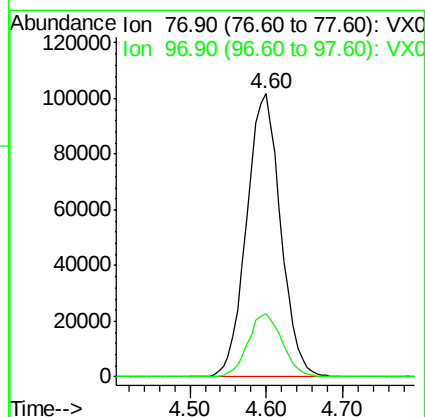
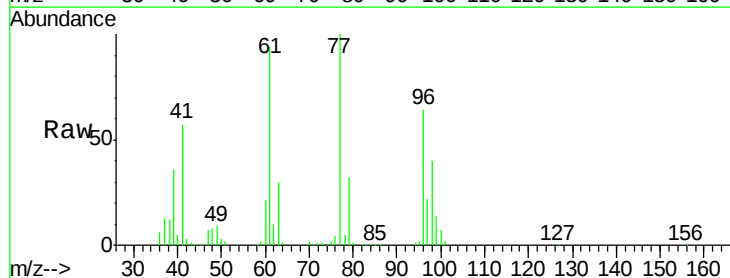
Acq: 20 Mar 2018 12:35

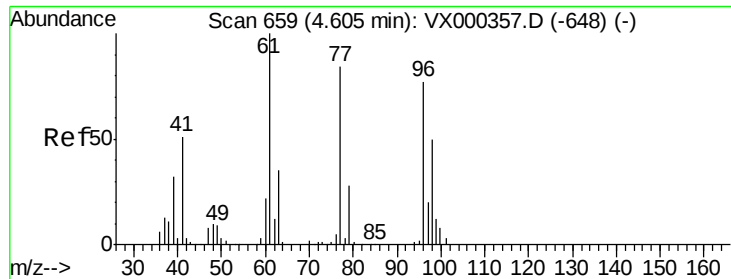
Tgt Ion: 77 Resp: 316256

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.8





#27

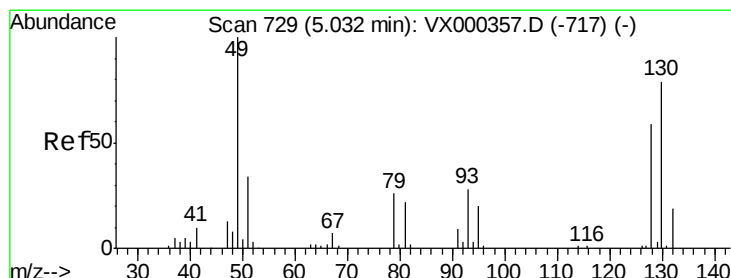
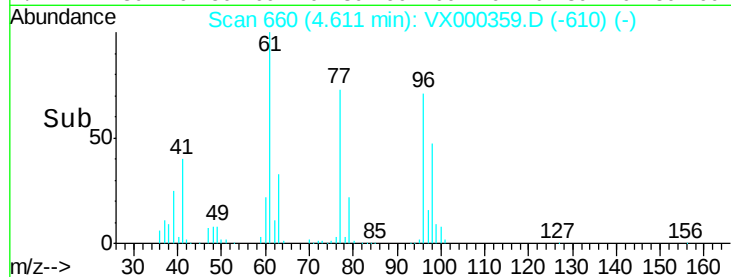
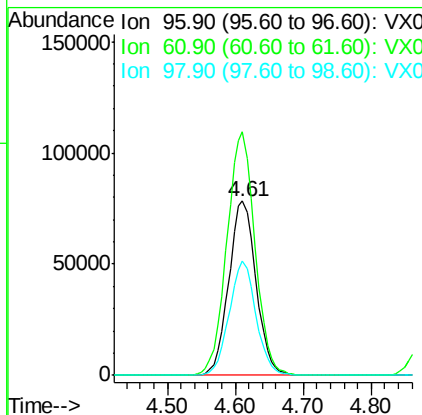
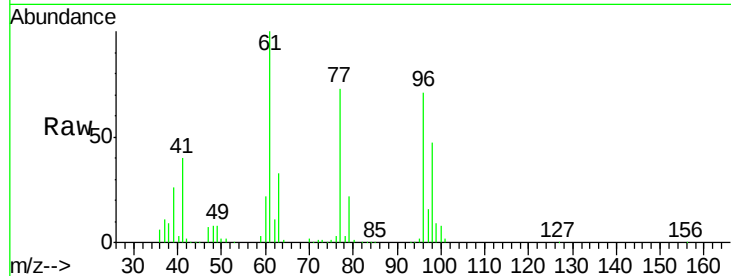
cis-1,2-Dichloroethene
 Concen: 150.07 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	217905		
61	144.0	0.0	291.6	
98	64.4	0.0	132.0	

Manual Integrations
 APPROVED

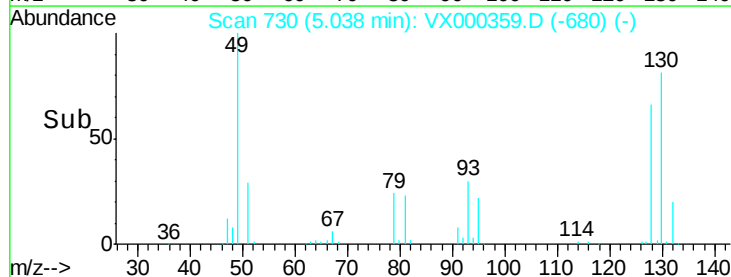
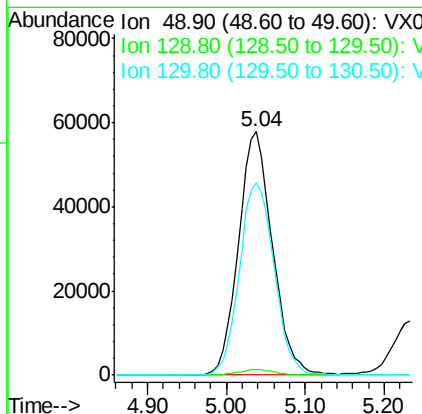
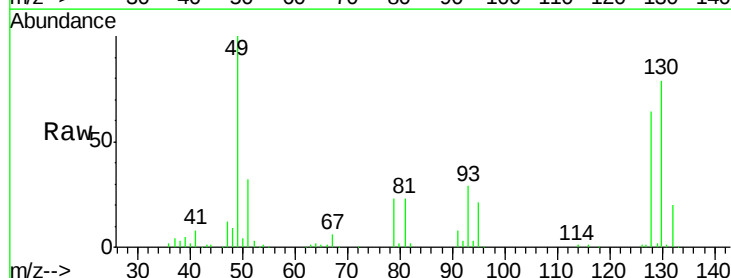
sam
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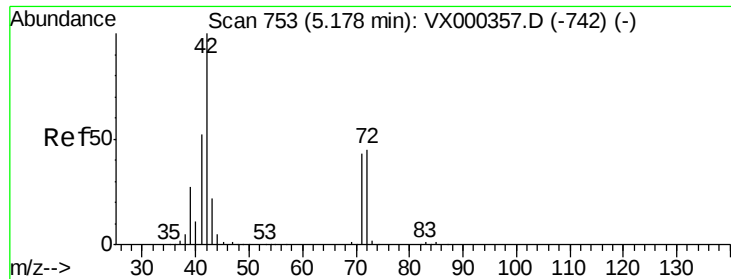


#28

Bromochloromethane
 Concen: 153.26 ug/l
 RT: 5.04 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172923		
129	2.4	0.0	5.0	
130	81.1	64.0	96.0	





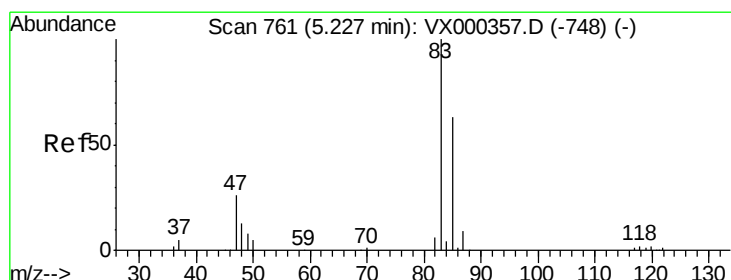
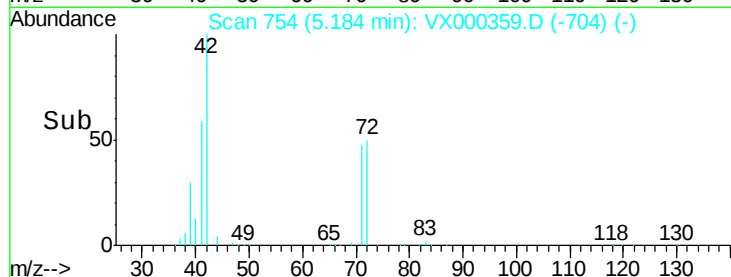
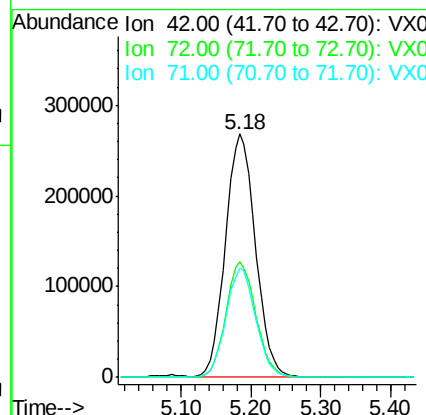
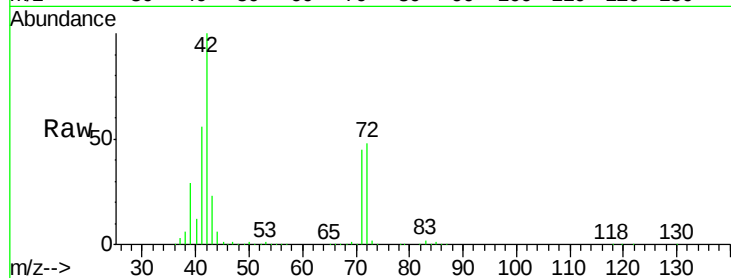
#29
Tetrahydrofuran
Concen: 851.66 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.9	56.9
71	44.5	34.4	51.6

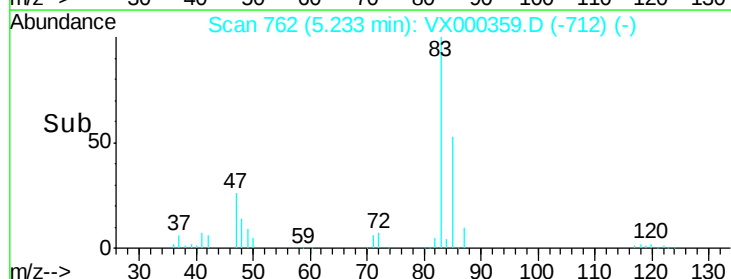
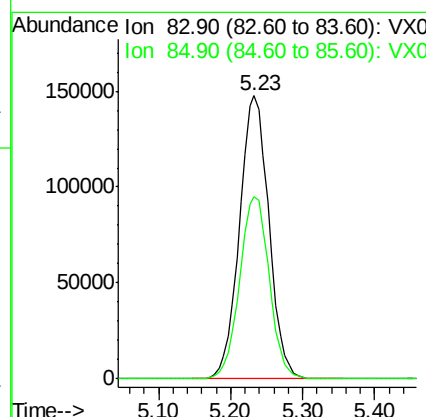
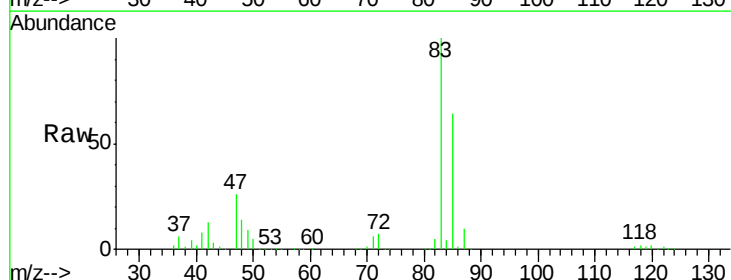
Manual Integrations
APPROVED

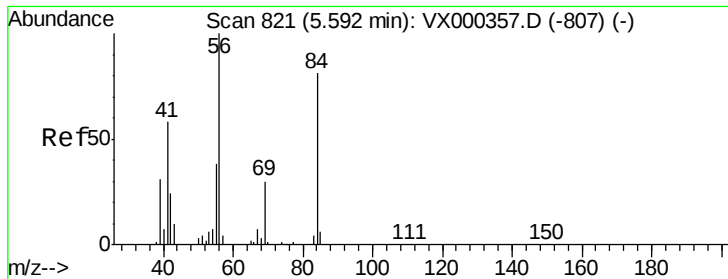
sam
3/21/2018 11:44:44 AM



#30
Chloroform
Concen: 165.08 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.3	79.9





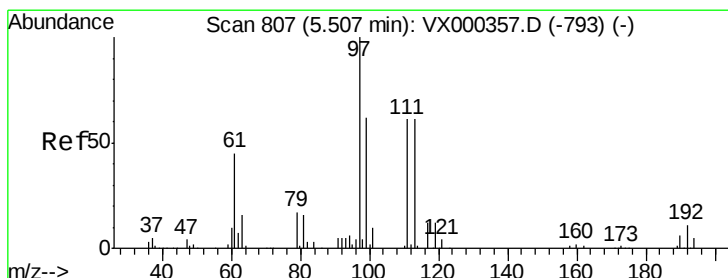
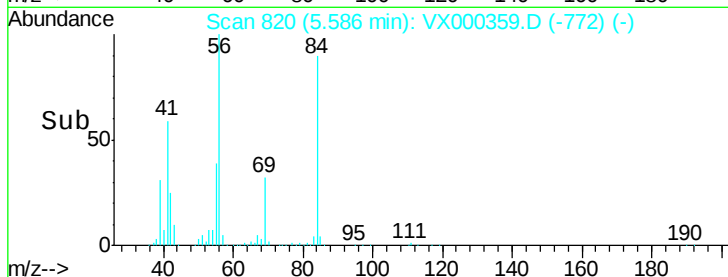
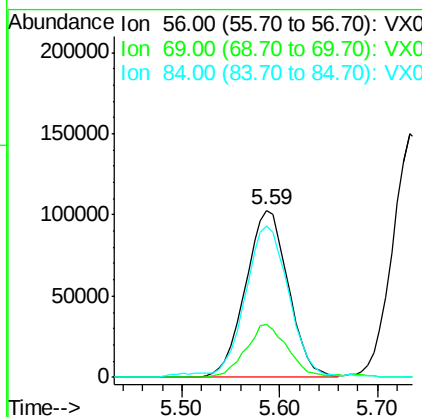
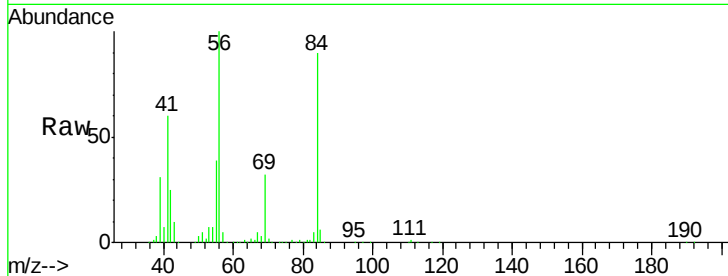
#31
Cvclohexane
Concen: 151.48 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.4	35.0
84	89.5	71.0	106.4

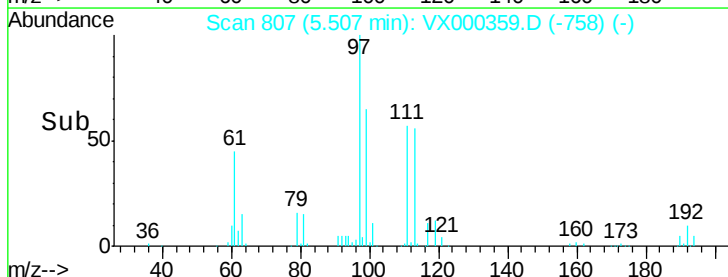
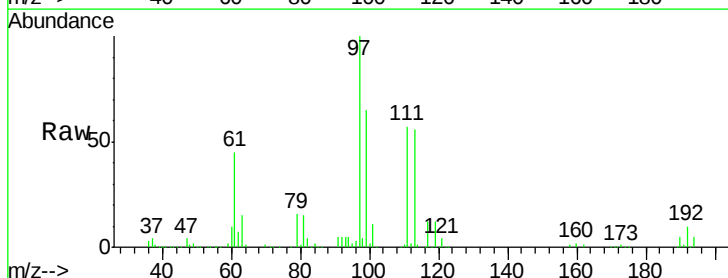
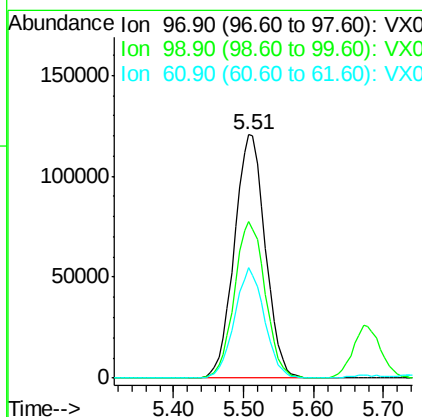
Manual Integrations
APPROVED

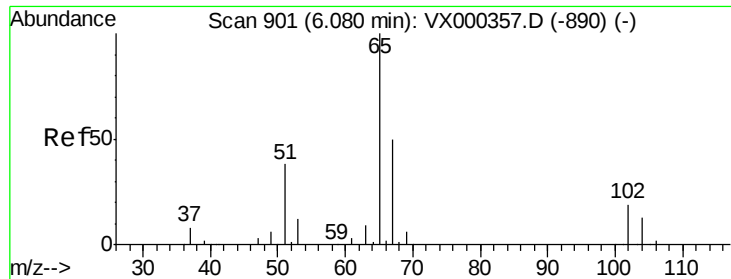
sam
3/21/2018 11:44:44 AM



#32
1,1,1-Trichloroethane
Concen: 165.21 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.1	78.1
61	43.8	36.2	54.4





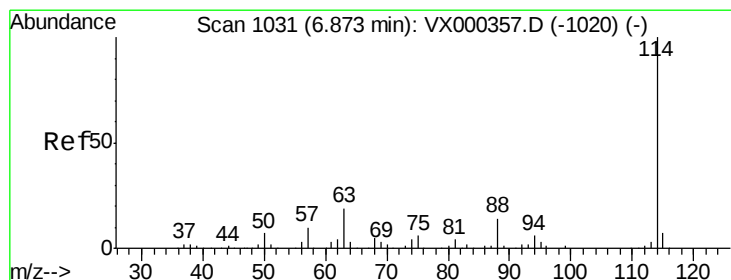
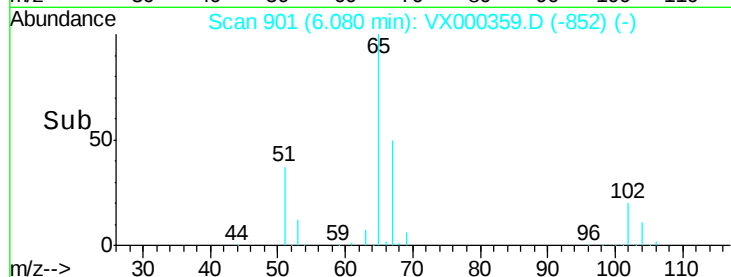
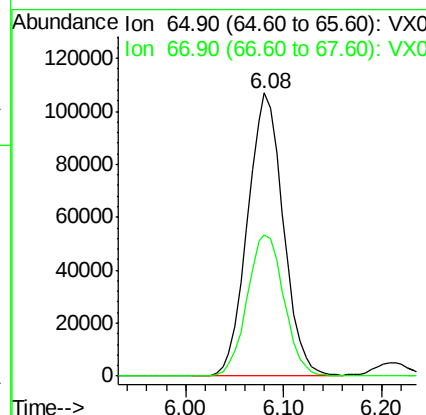
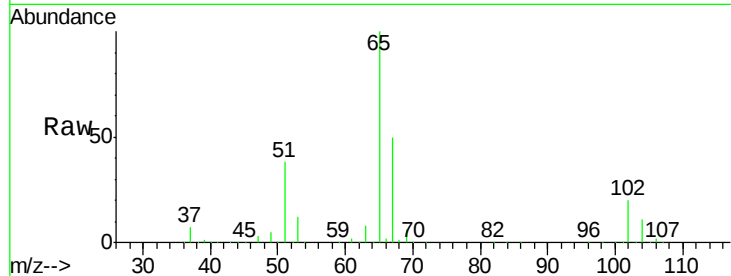
#33
 1,2-Dichloroethane-d4
 Concen: 149.51 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	272434		
67	51.3	0.0	103.2	

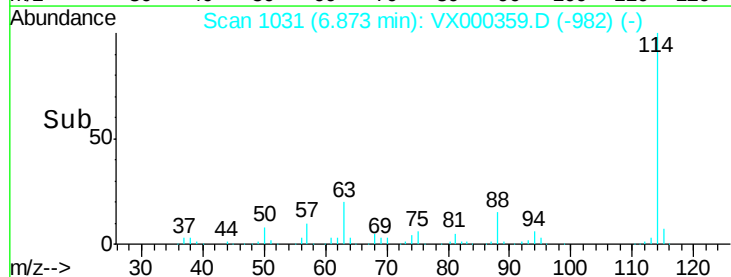
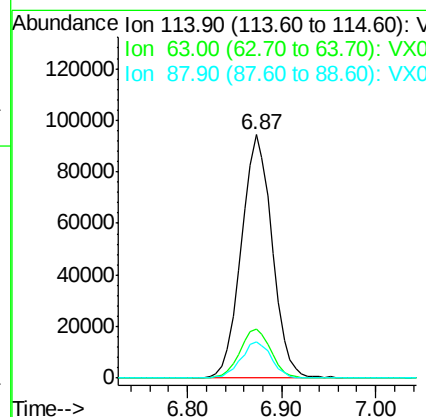
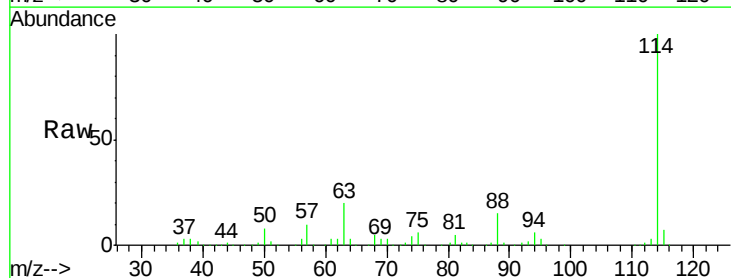
Manual Integrations
 APPROVED

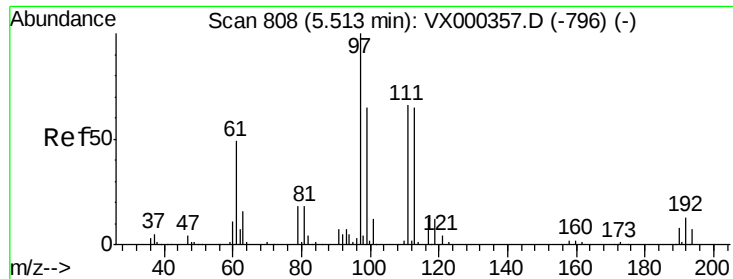
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	216194		
63	19.9	0.0	38.4	
88	14.8	0.0	27.0	





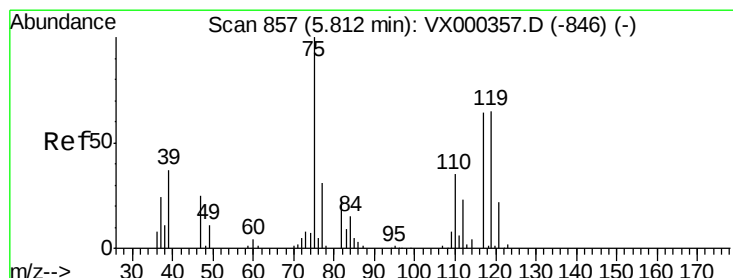
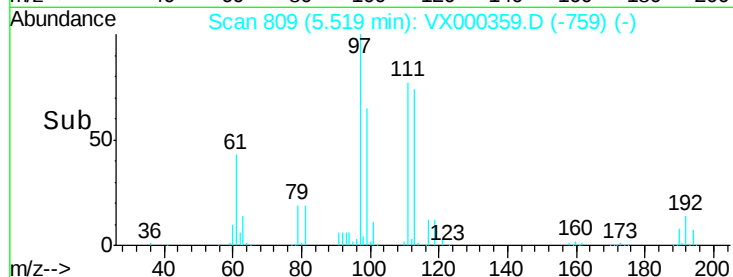
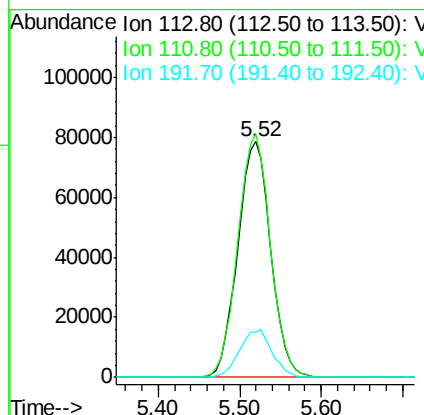
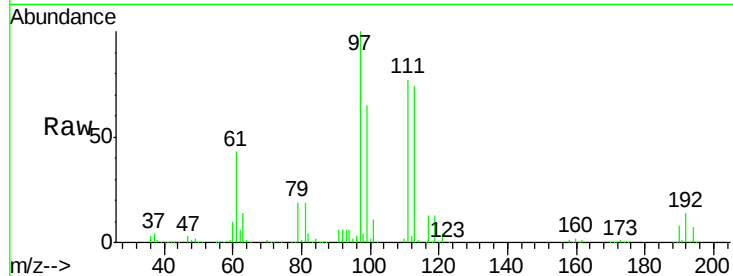
#35
Dibromofluoromethane
Concen: 161.12 ug/l
RT: 5.52 min Scan# 809
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219775		
111	102.2	82.4	123.6	
192	20.0	15.8	23.6	

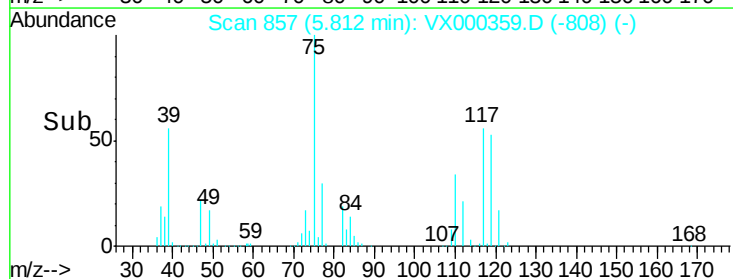
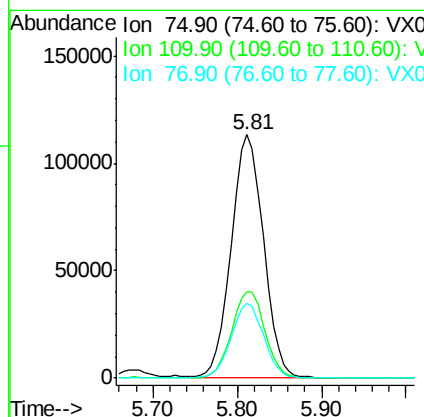
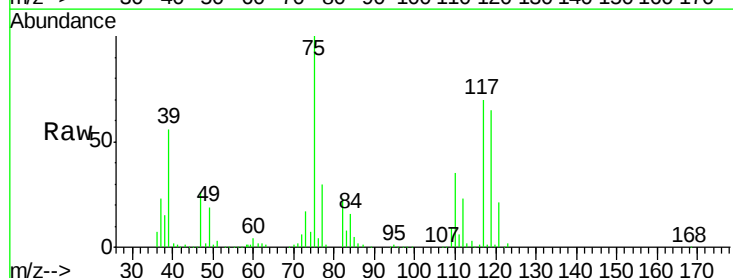
Manual Integrations
APPROVED

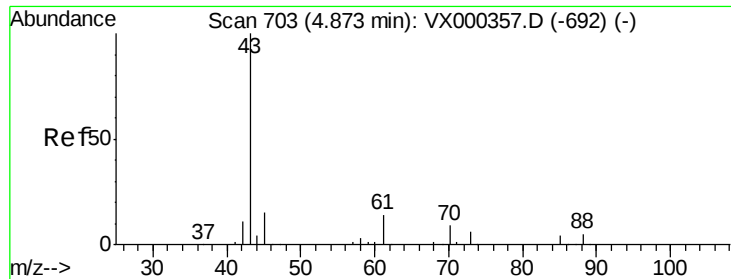
sam
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#36
1,1-Dichloropropene
Concen: 149.95 ug/l
RT: 5.81 min Scan# 857
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	294566		
110	36.4	17.9	53.7	
77	31.0	24.0	36.0	





#37

Ethyl Acetate

Concen: 164.30 ug/l

RT: 4.88 min Scan# 704

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

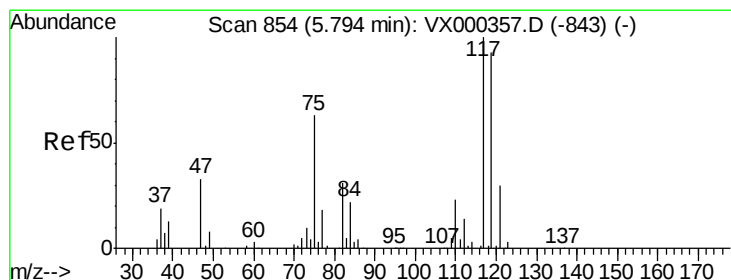
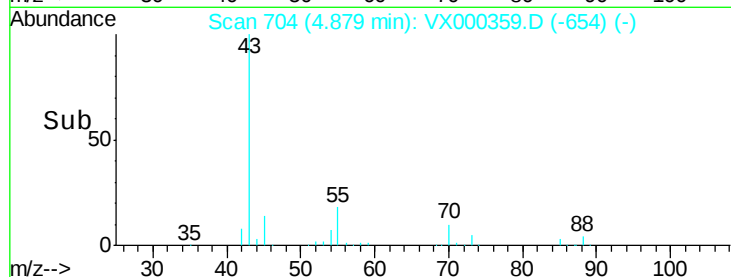
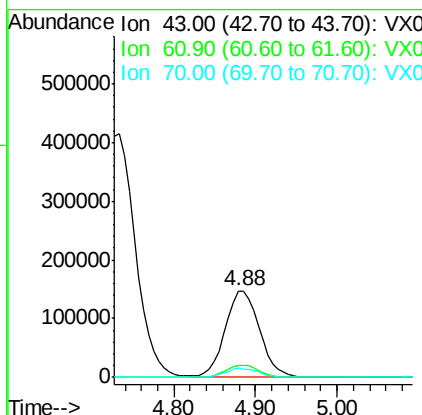
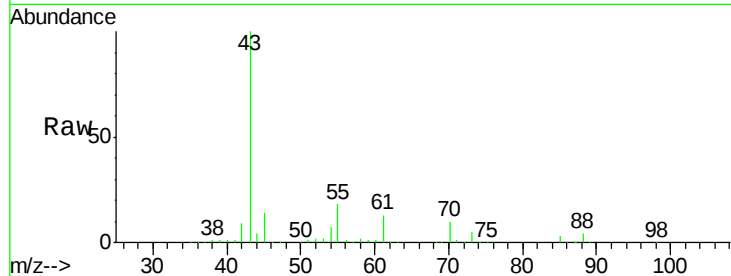
ClientSampled :

VSTDIC150

Tot Ion:	43	Resp:	428937
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	10.0	7.7	11.5

Manual Integrations
APPROVED

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#38

Carbon Tetrachloride

Concen: 164.21 ug/l

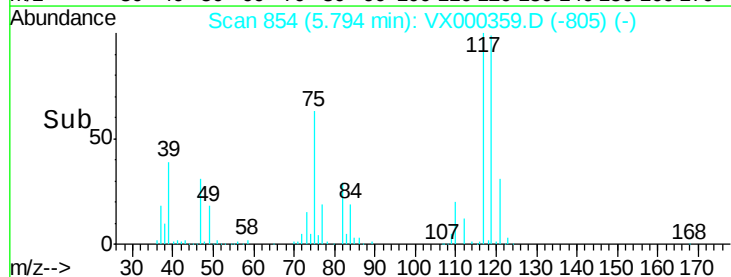
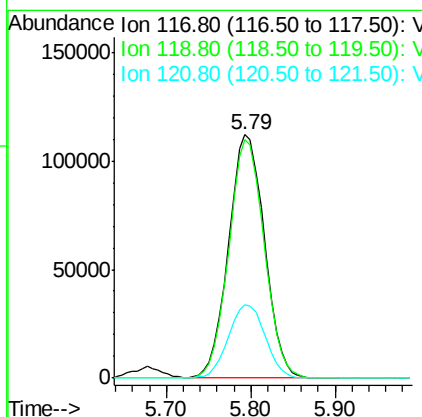
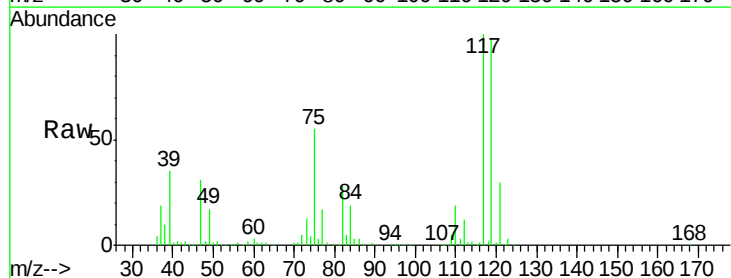
RT: 5.79 min Scan# 854

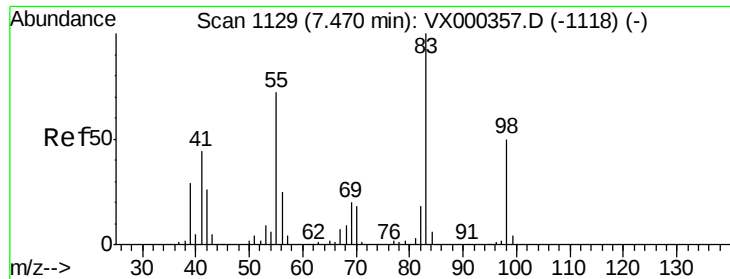
Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	117	Resp:	325202
Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.4	116.2
121	30.4	24.8	37.2





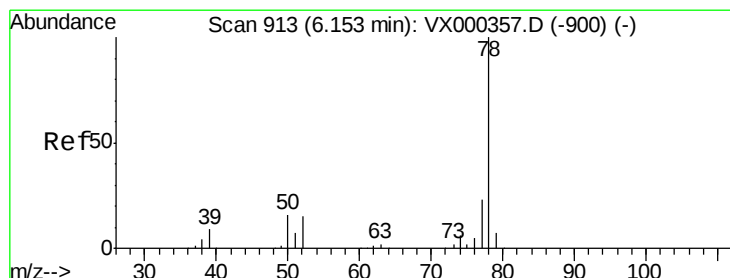
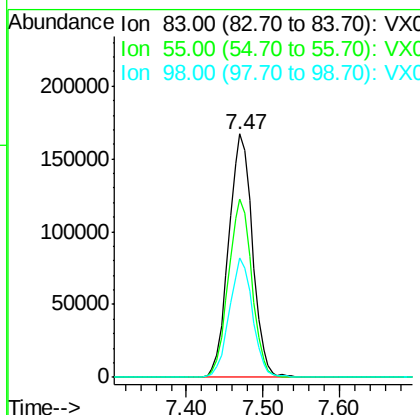
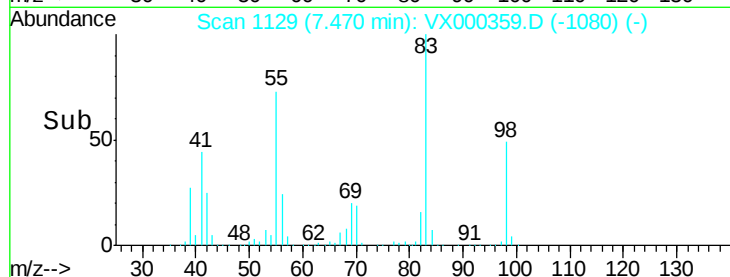
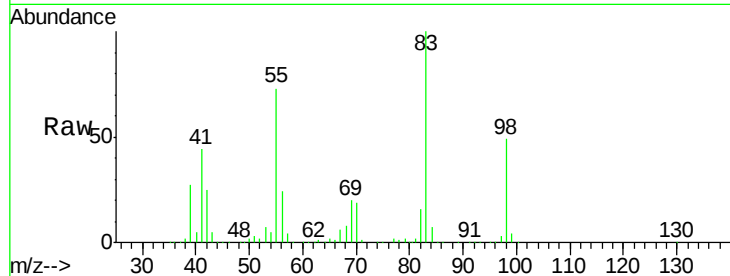
#39
Methvlcvclohexane
Concen: 157.18 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	55.5	83.3
98	48.9	38.2	57.4

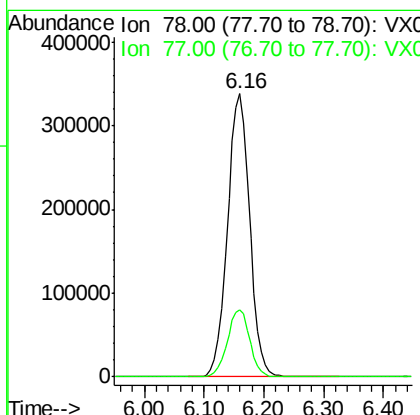
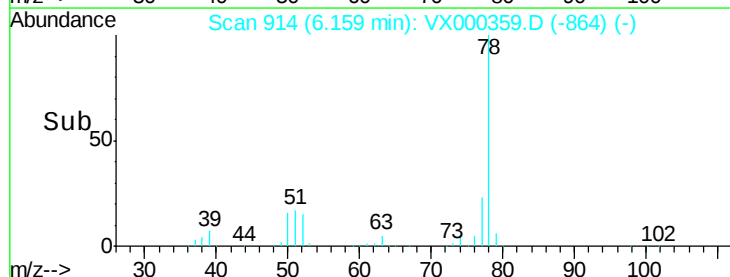
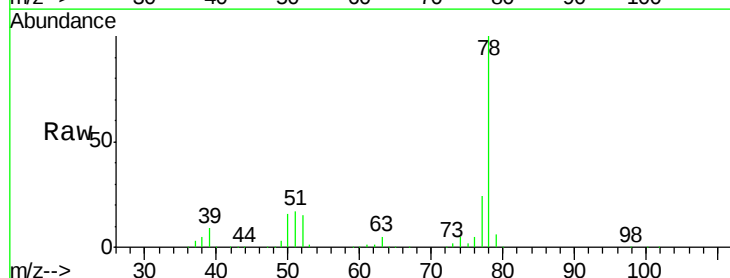
Manual Integrations
APPROVED

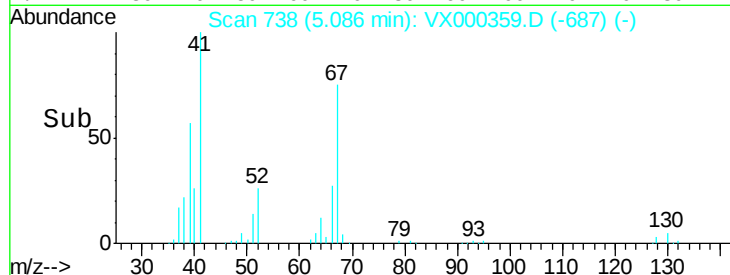
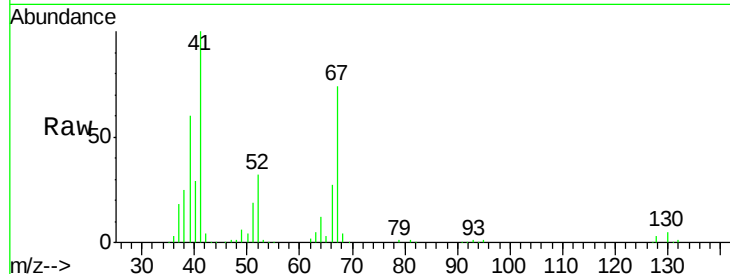
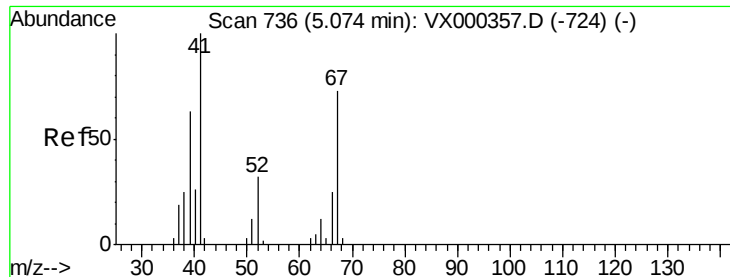
sam
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#40
Benzene
Concen: 156.37 ug/l
RT: 6.16 min Scan# 914
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





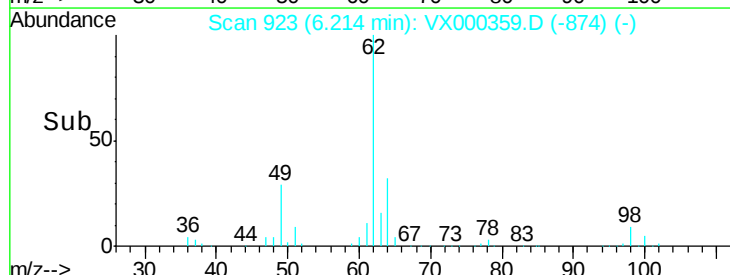
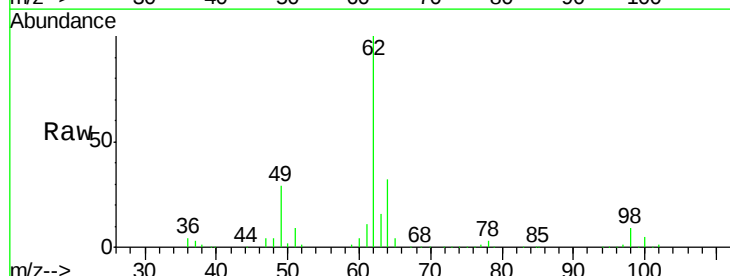
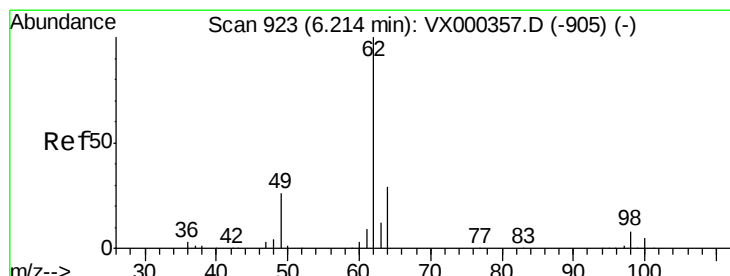
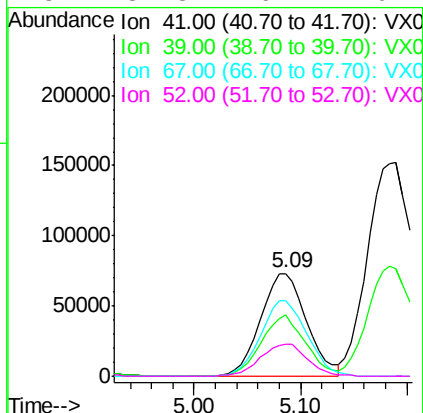
#41
Methacrylonitrile
Concen: 160.76 ug/l
RT: 5.09 min Scan# 738
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	45.7	68.5	
67	74.1	57.8	86.8	
52	32.3	26.7	40.1	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

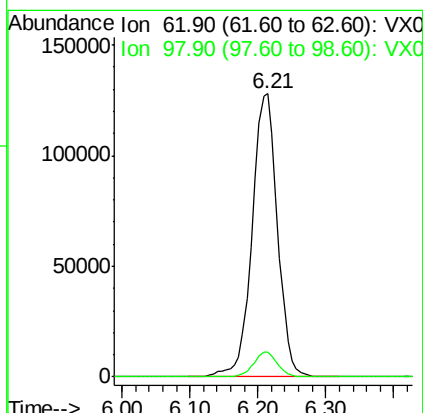
Manual Integrations
APPROVED

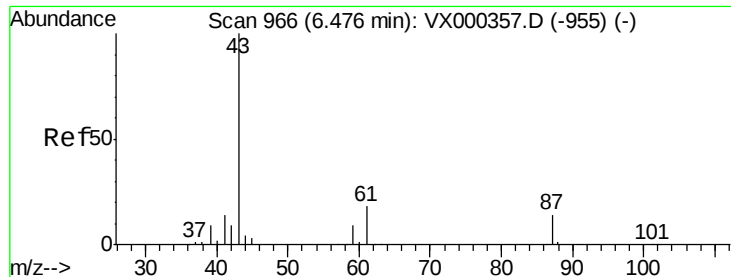
3/21/2018 11:44:44 AM



#42
1,2-Dichloroethane
Concen: 150.55 ug/l
RT: 6.21 min Scan# 923
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	15.8	





#43

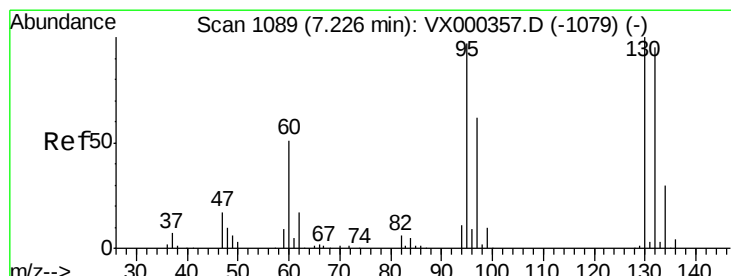
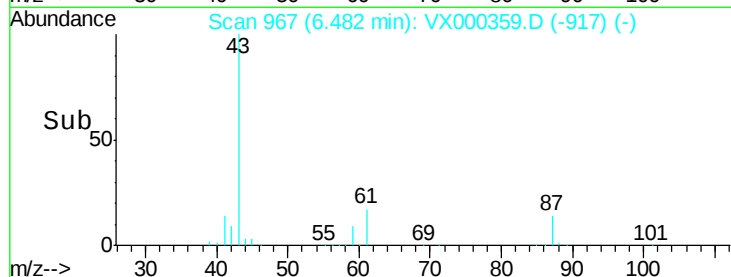
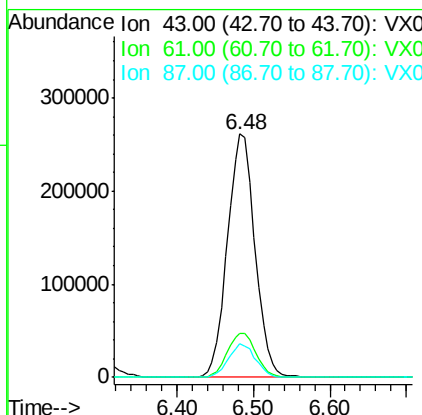
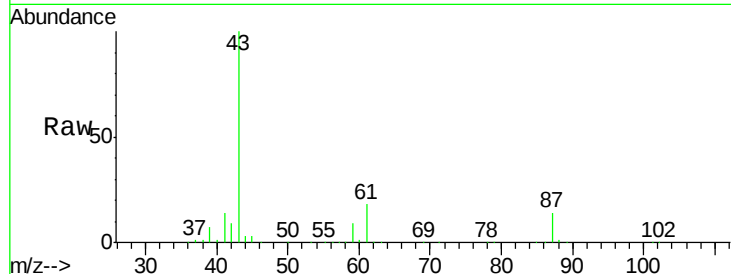
Isopropyl Acetate
 Concen: 172.73 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.4	21.6
87	13.5	11.0	16.4

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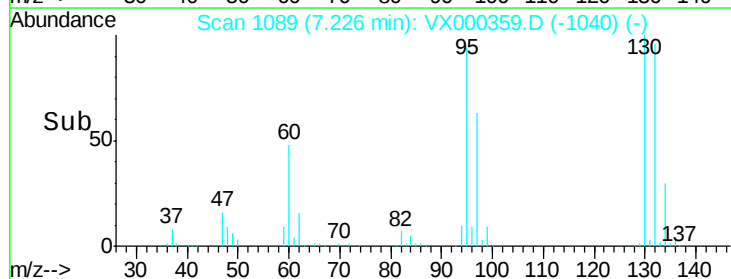
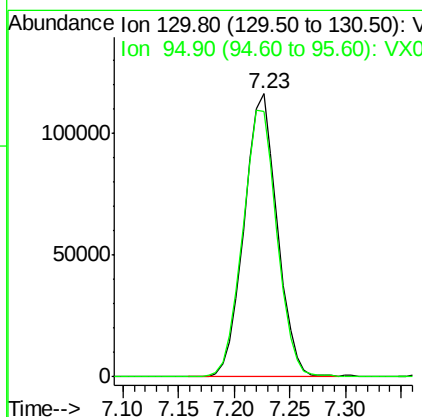
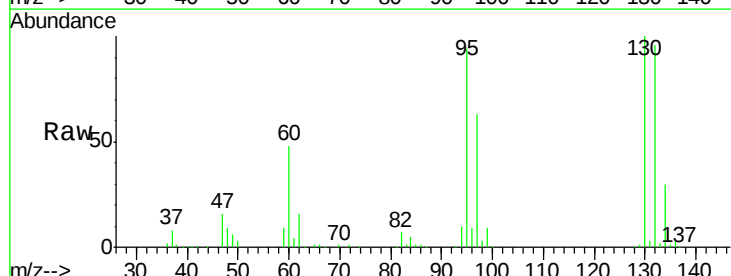
sam
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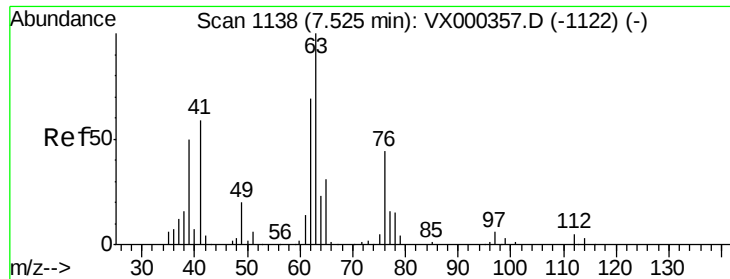


#44

Trichloroethene
 Concen: 148.49 ug/l
 RT: 7.23 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	186.0





#45

1,2-Dichloropropane

Concen: 162.65 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 223546

Ion Ratio Lower Upper

63 100

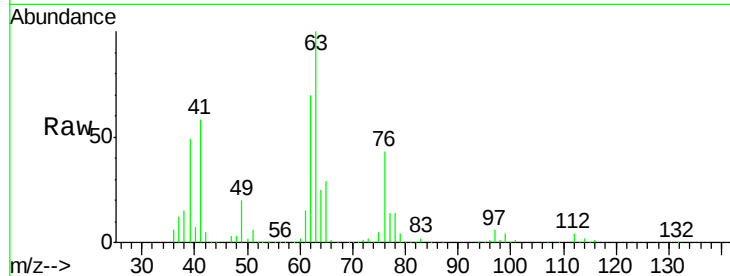
65 28.5 24.6 36.8

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

120000

100000

80000

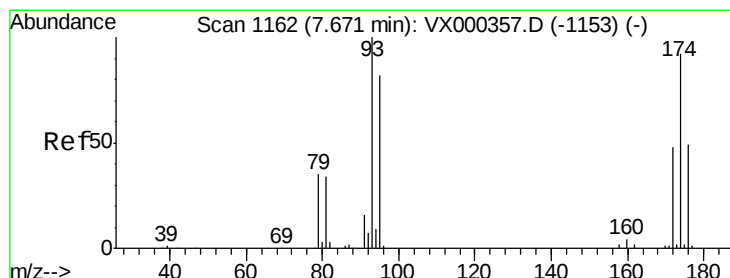
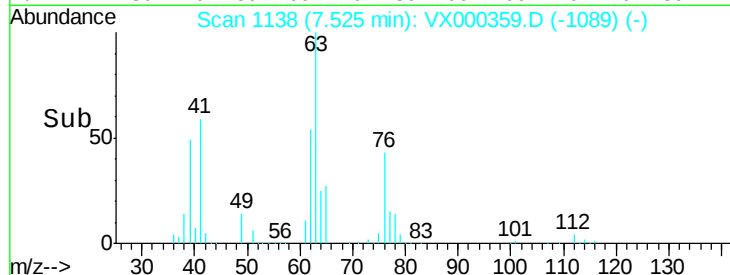
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 154.68 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

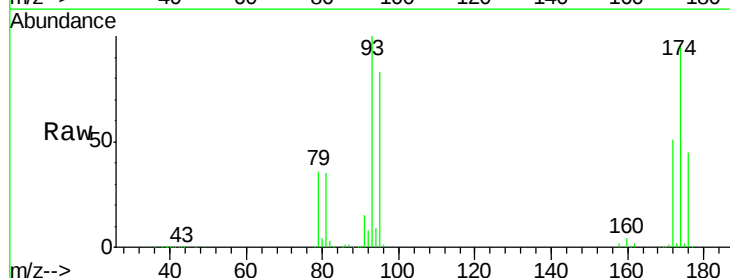
Tgt Ion: 93 Resp: 170787

Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

174 97.6 76.0 114.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

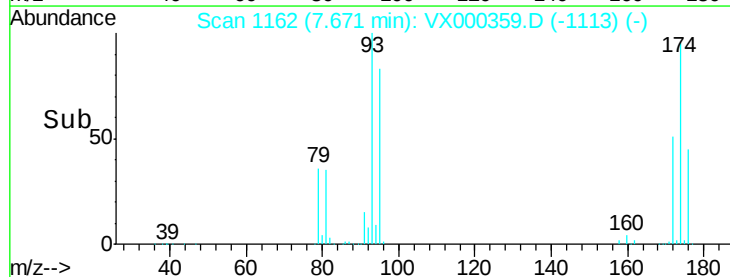
60000

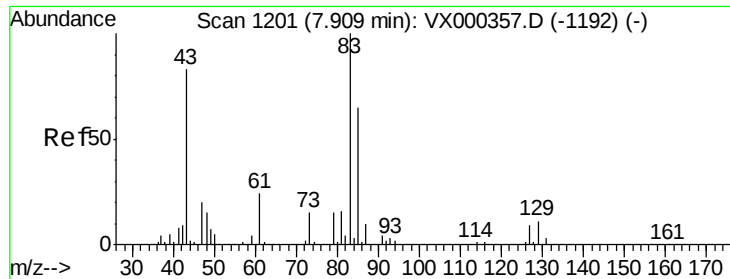
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 172.36 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

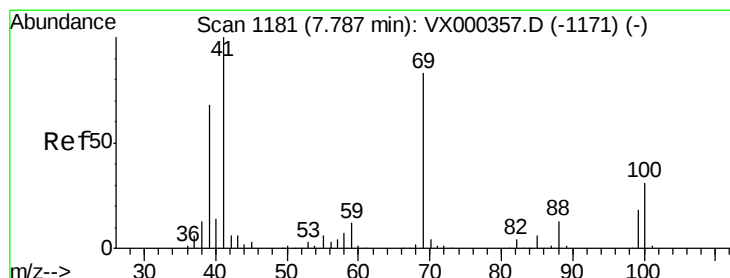
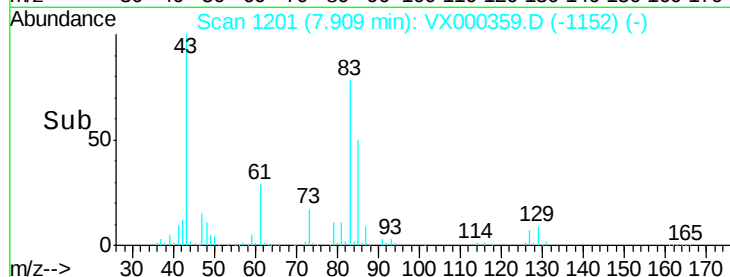
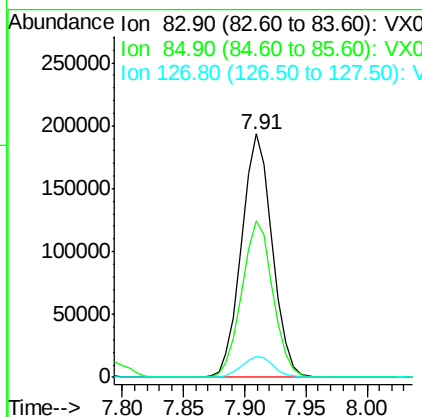
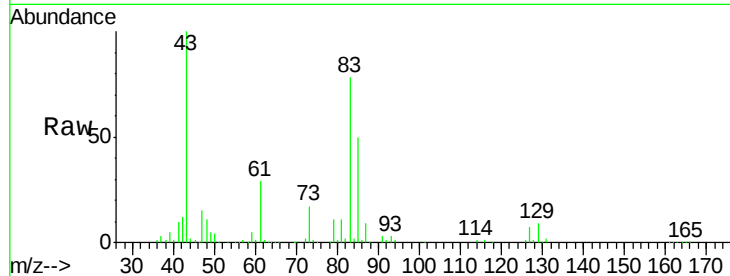
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	337830
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	8.7	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 165.19 ug/l

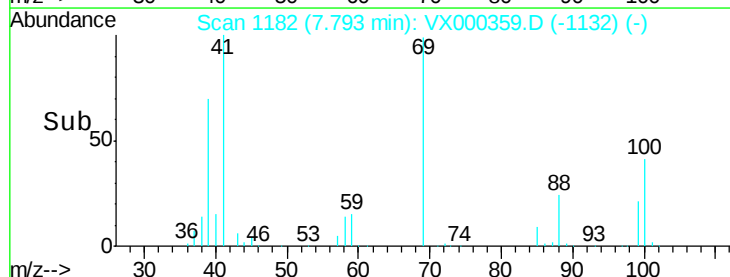
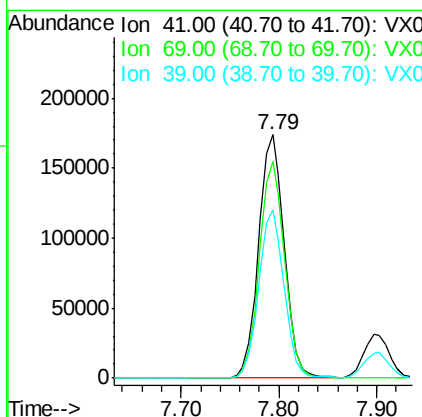
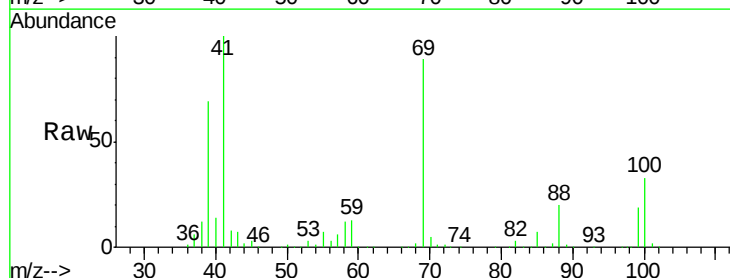
RT: 7.79 min Scan# 1182

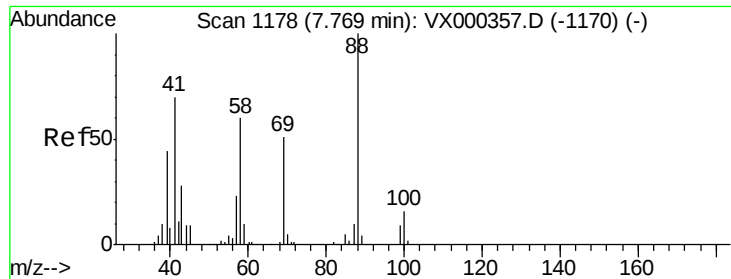
Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	41	Resp:	314729
Ion	Ratio	Lower	Upper
41	100		
69	88.4	68.2	102.4
39	68.4	54.6	81.8





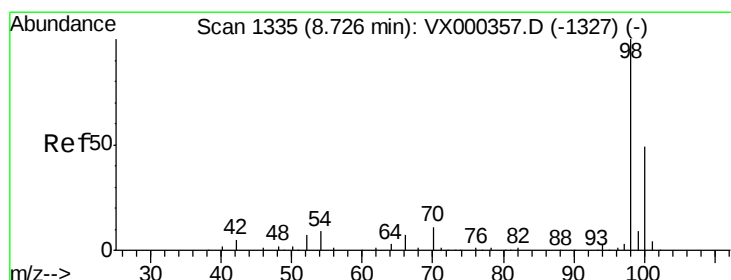
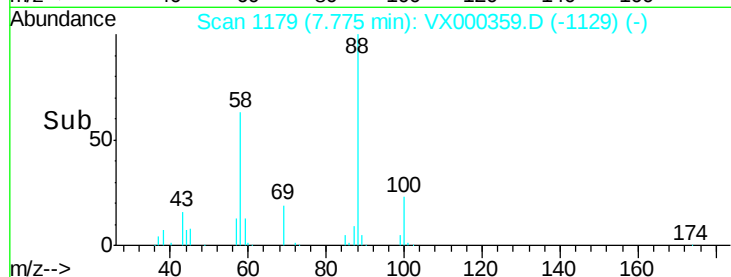
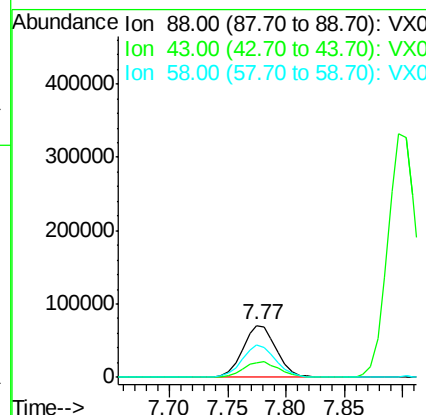
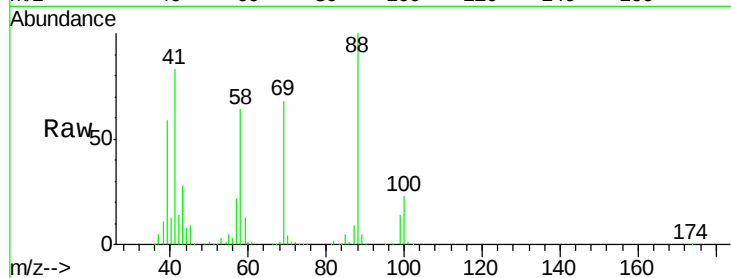
#49
1,4-Dioxane
Concen: 3275.14 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	26.8	40.2
58	62.7	52.2	78.2

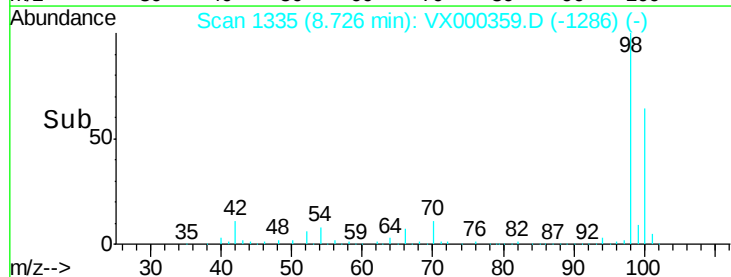
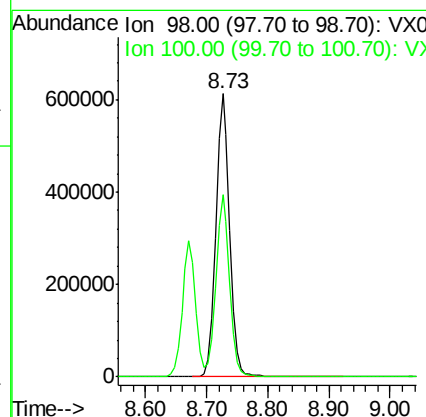
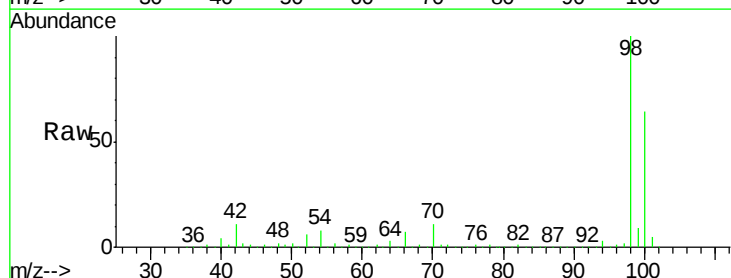
Manual Integrations
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#50
Toluene-d8
Concen: 173.29 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 925.47 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2708125

Ion Ratio Lower Upper

43 100

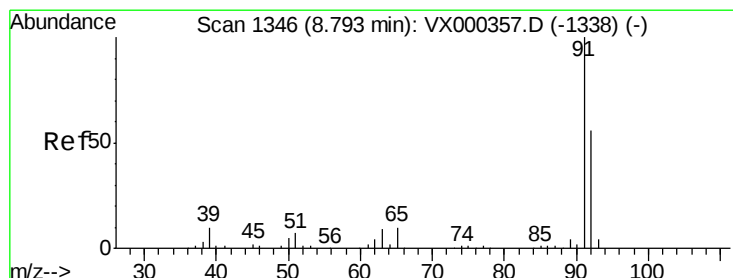
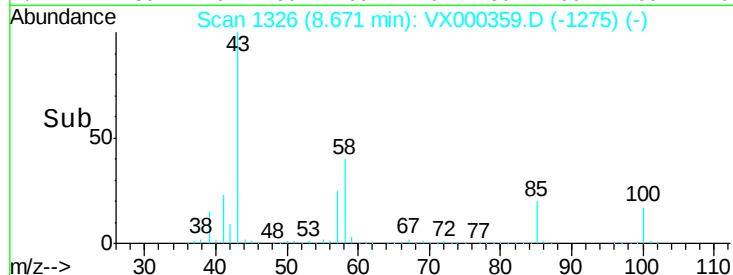
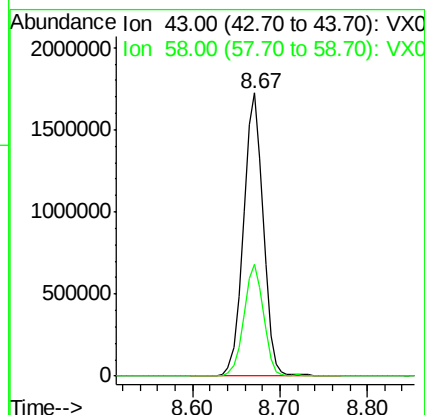
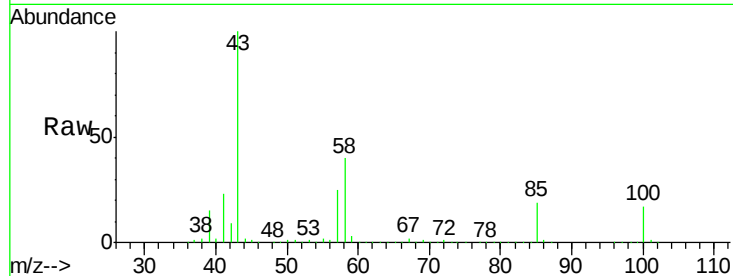
58 39.2 30.3 45.5

Manual Integrations

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#52

Toluene

Concen: 169.09 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000359.D

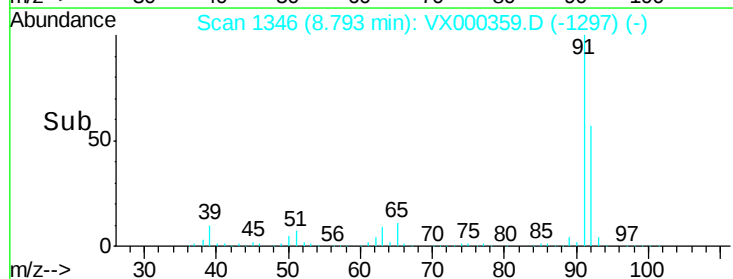
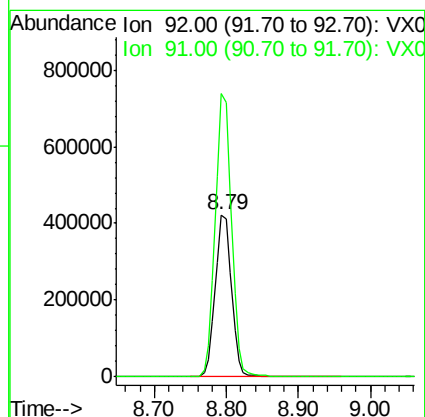
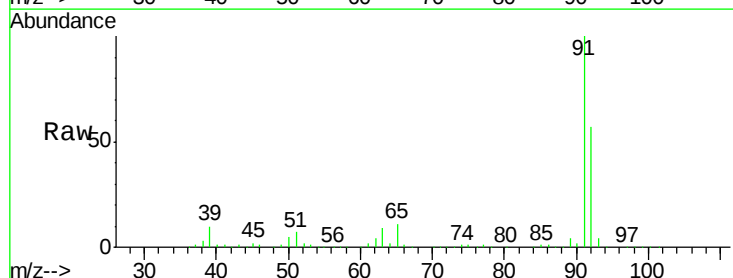
Acq: 20 Mar 2018 12:35

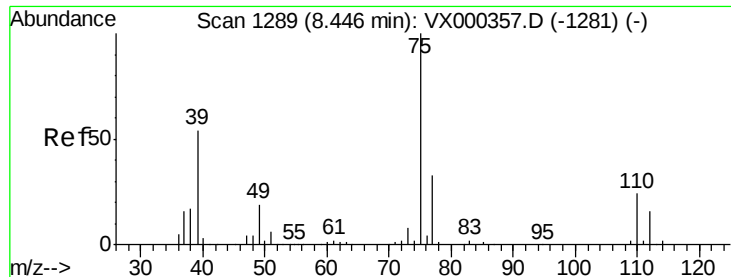
Tgt Ion: 92 Resp: 661944

Ion Ratio Lower Upper

92 100

91 174.7 140.2 210.2





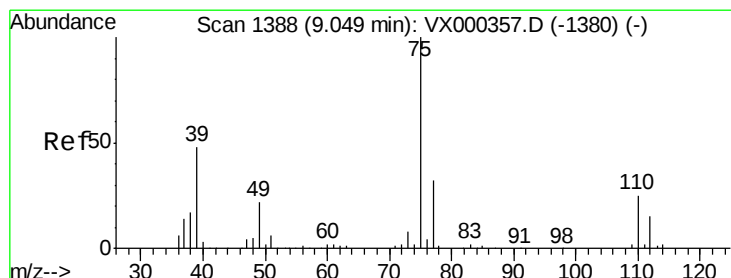
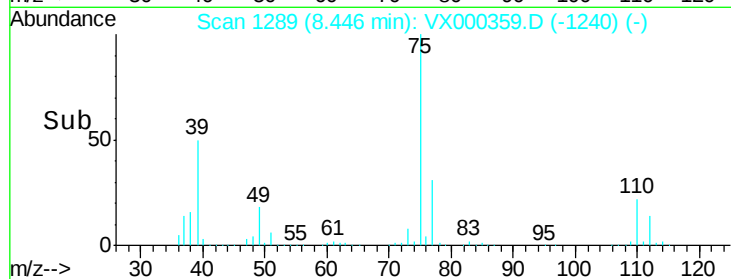
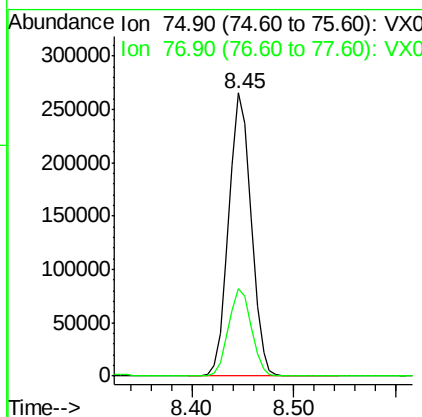
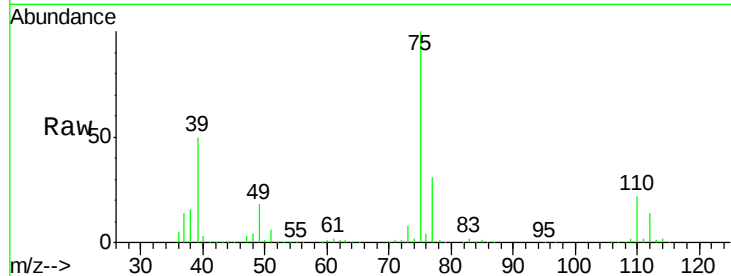
#53
 t-1,3-Dichloropropene
 Concen: 178.14 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 402969
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.0 36.0

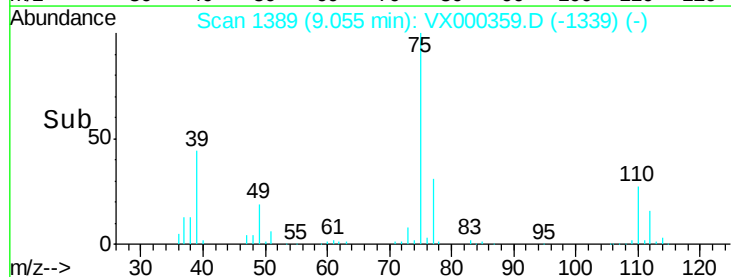
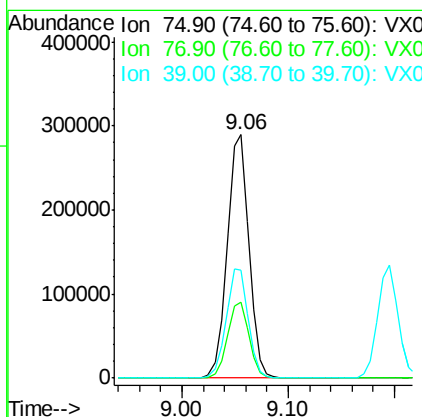
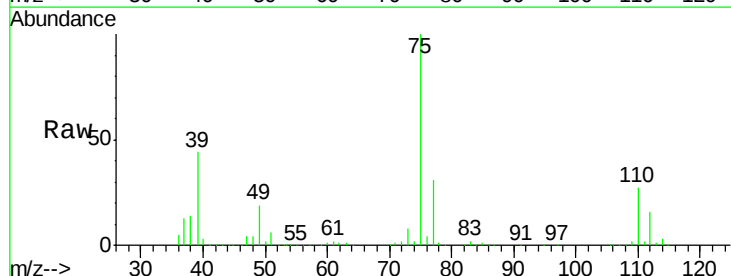
Manual Integrations
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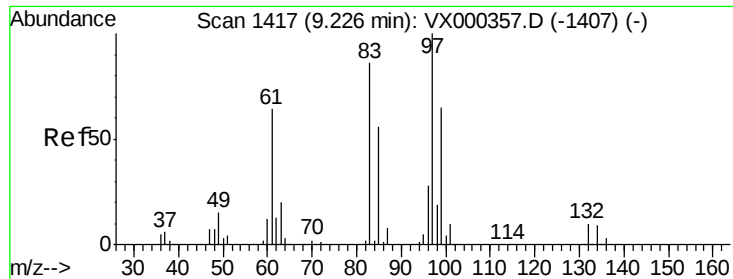
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 186.26 ug/l
 RT: 9.06 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 75 Resp: 412024
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.1 39.1
 39 44.1 39.8 59.6





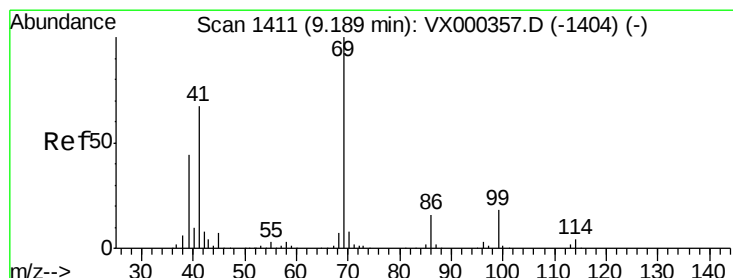
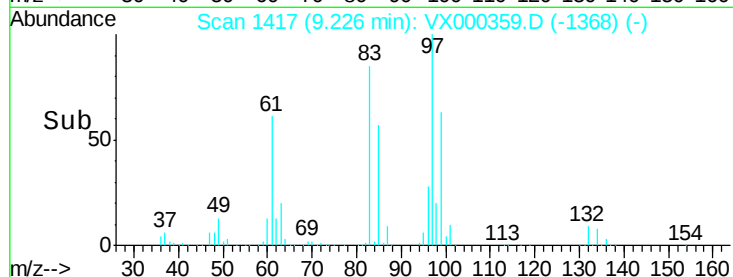
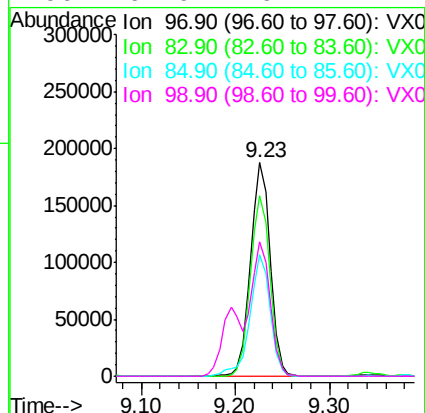
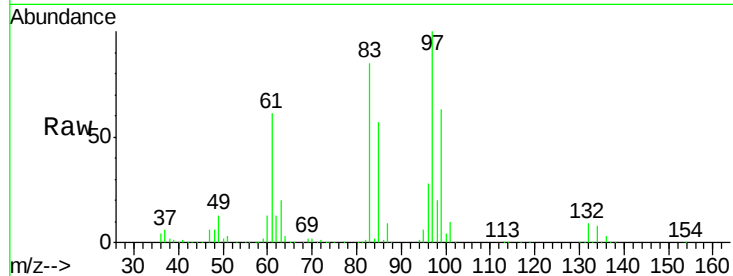
#55
 1,1,2-Trichloroethane
 Concen: 175.50 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion:	97	Resp:	275672
Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.9	101.9
85	56.7	42.8	64.2
99	62.9	49.4	74.2

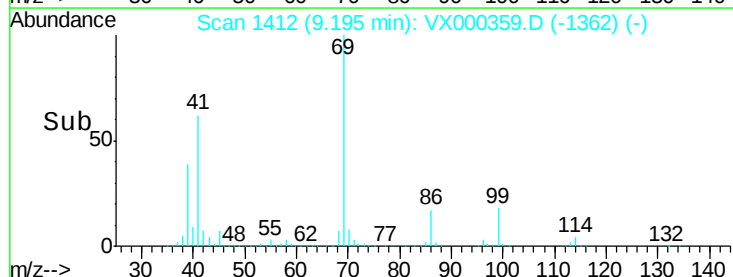
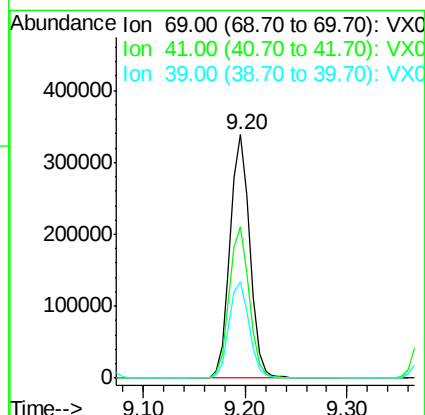
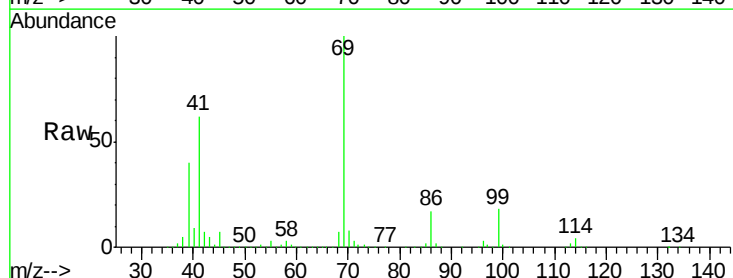
Manual Integrations
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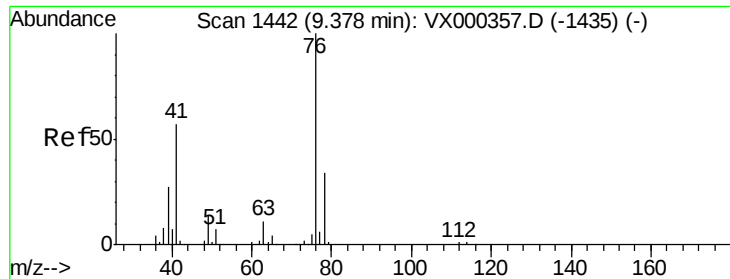
sam
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#56
 Ethyl methacrylate
 Concen: 194.87 ug/l
 RT: 9.20 min Scan# 1412
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion:	69	Resp:	453241
Ion	Ratio	Lower	Upper
69	100		
41	62.6	53.0	79.6
39	40.2	35.3	52.9





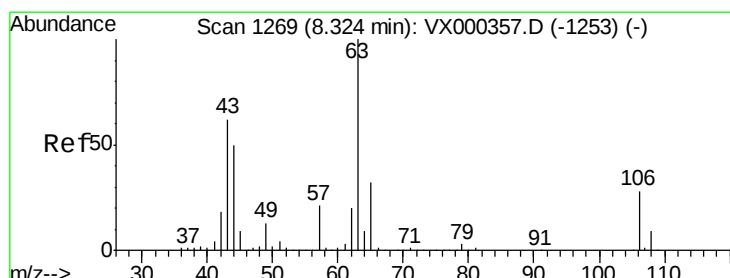
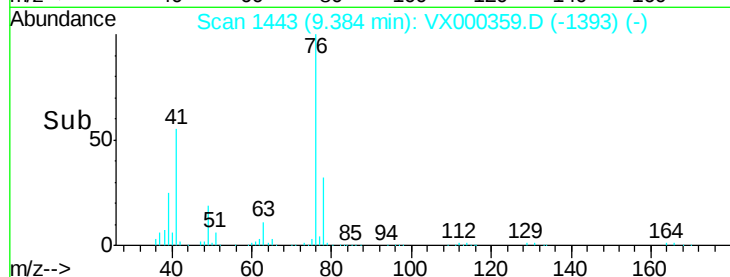
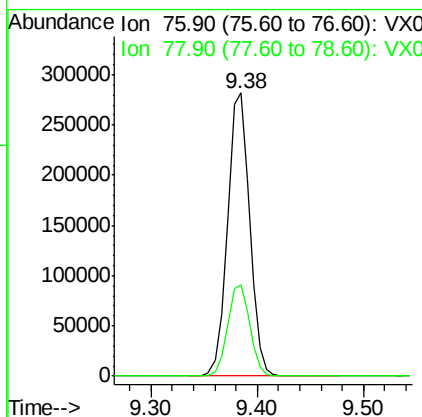
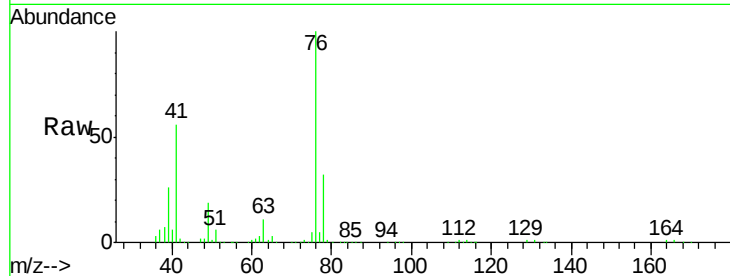
#57
 1,3-Dichloropropane
 Concen: 161.25 ug/l
 RT: 9.38 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 410333
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.4 39.6

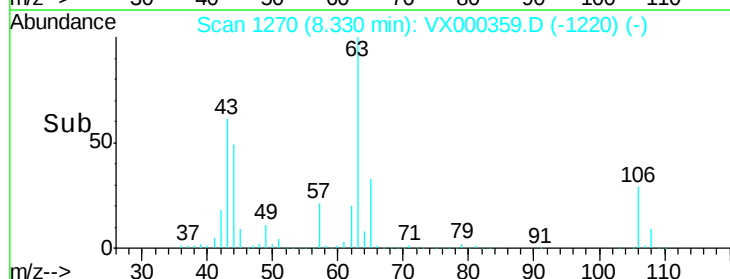
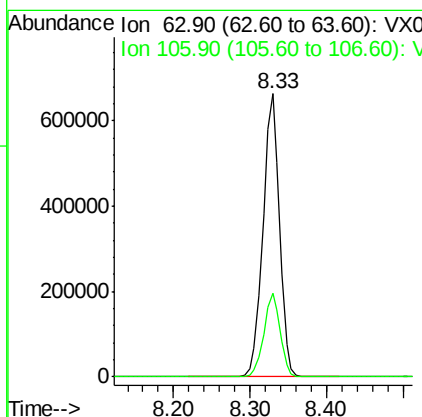
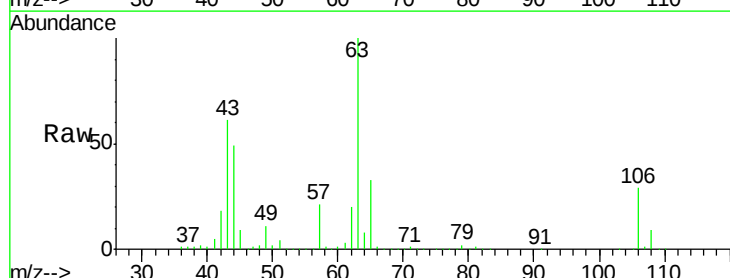
Manual Integrations
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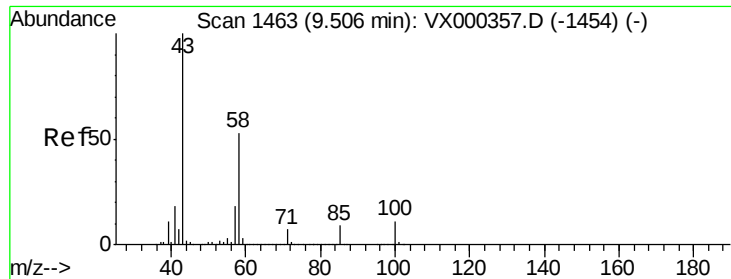
sam
 3/21/2018 11:44:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 944.74 ug/l
 RT: 8.33 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion: 63 Resp: 1010492
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.2 34.8





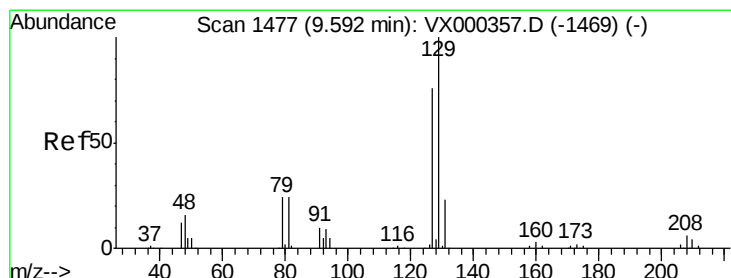
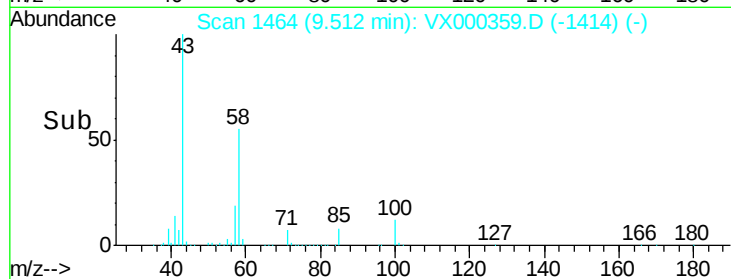
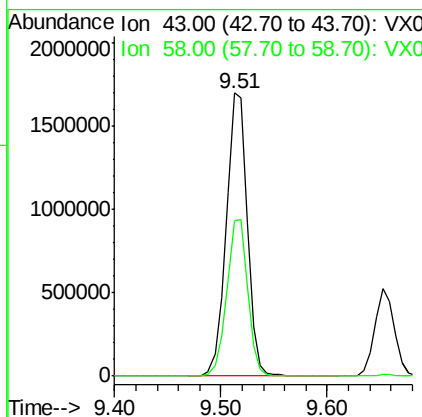
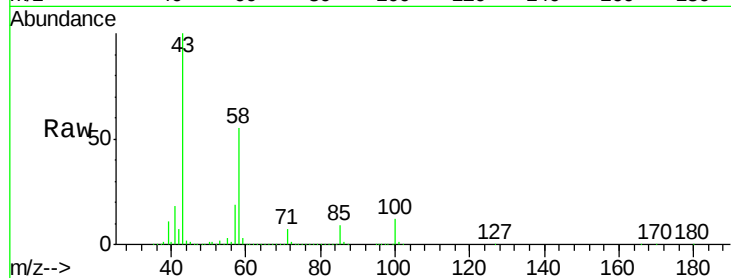
#59
2-Hexanone
Concen: 958.24 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2362412
Ion Ratio Lower Upper
43 100
58 55.3 26.6 79.7

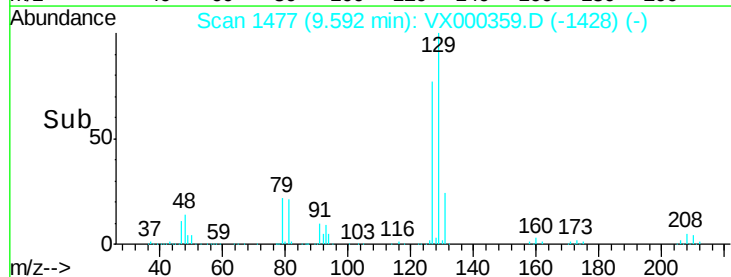
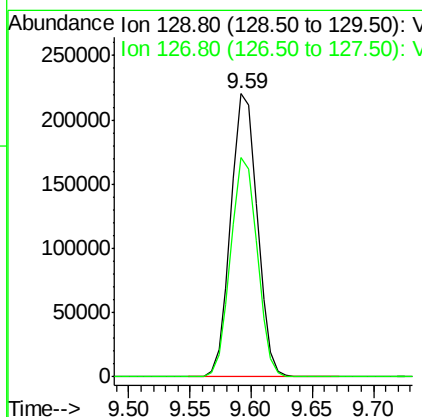
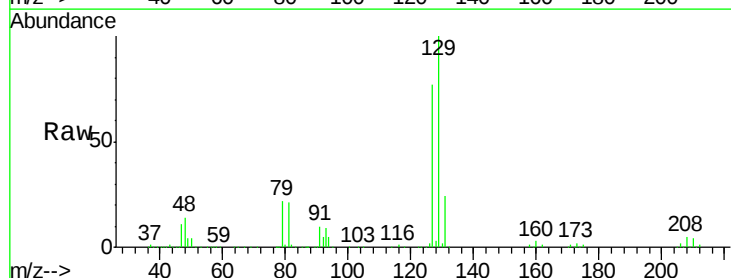
Manual Integrations
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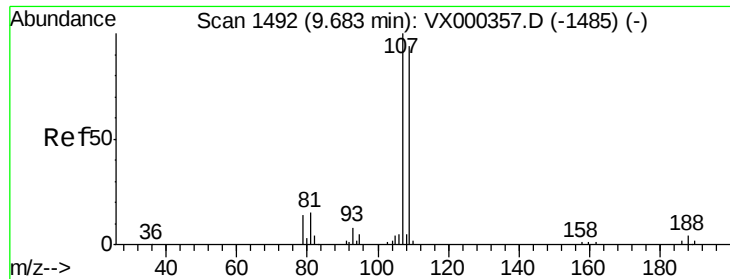
sam
3/21/2018 11:44:44 AM



#60
Dibromochloromethane
Concen: 198.73 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 129 Resp: 330087
Ion Ratio Lower Upper
129 100
127 77.3 37.9 113.6





#61

1,2-Dibromoethane

Concen: 173.61 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 302292

Ion Ratio Lower Upper

107 100

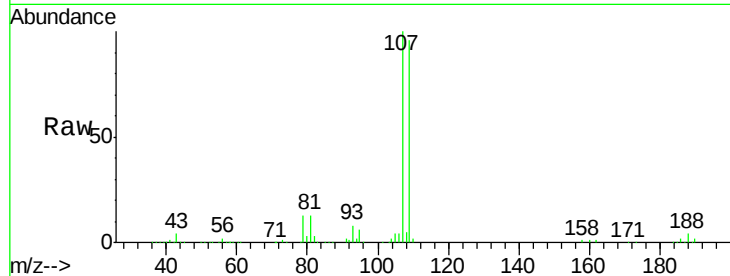
109 96.1 76.1 114.1

Manual Integrations

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sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

250000

200000

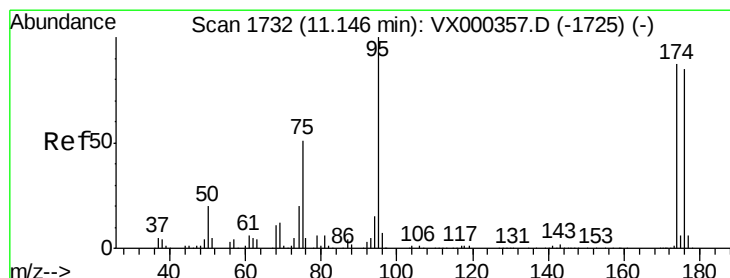
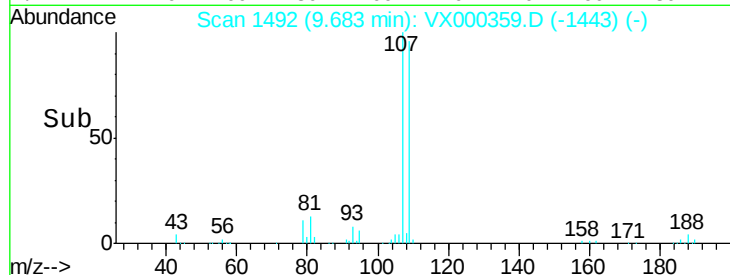
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 176.60 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

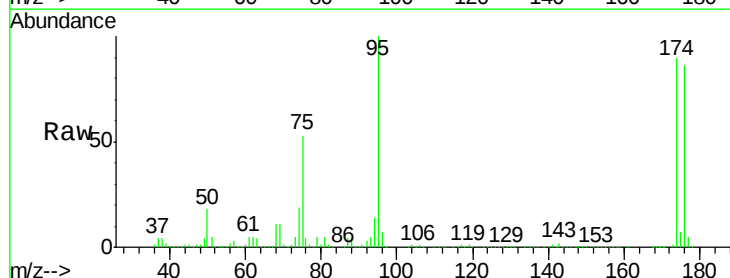
Tgt Ion: 95 Resp: 402981

Ion Ratio Lower Upper

95 100

174 91.9 0.0 173.6

176 89.5 0.0 164.6



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

11.15

400000

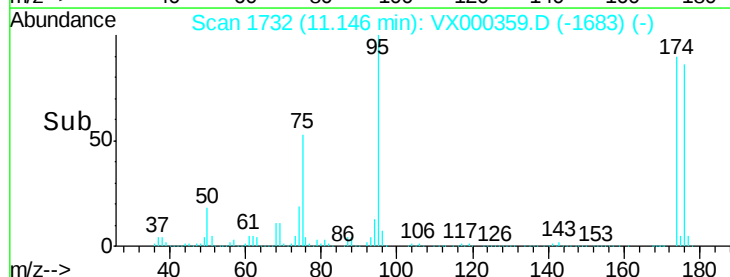
300000

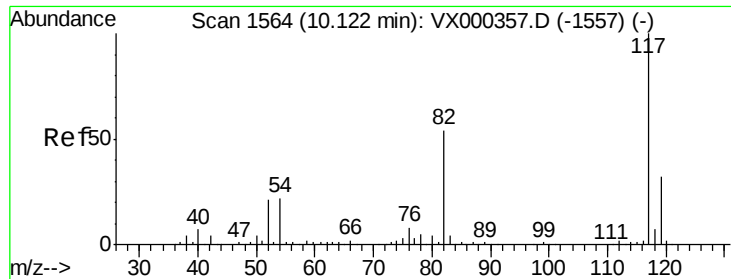
200000

100000

0

Time-->





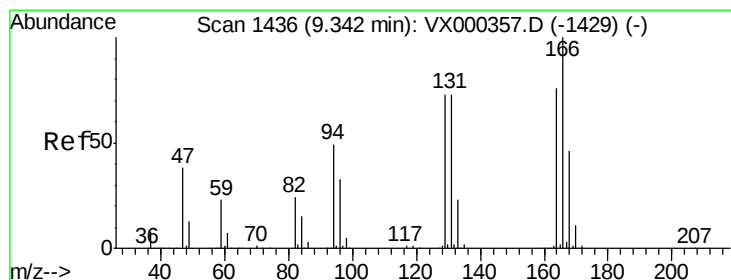
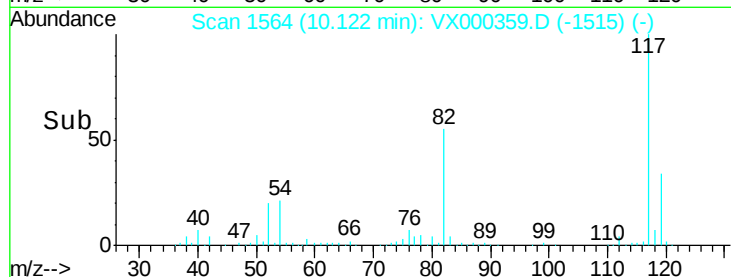
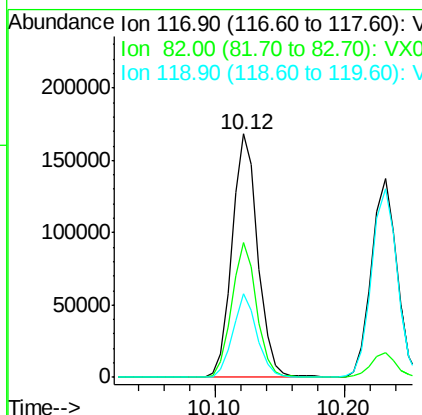
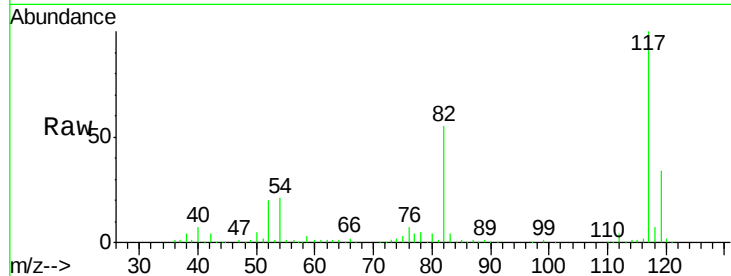
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.8	65.8
119	34.2	24.9	37.3

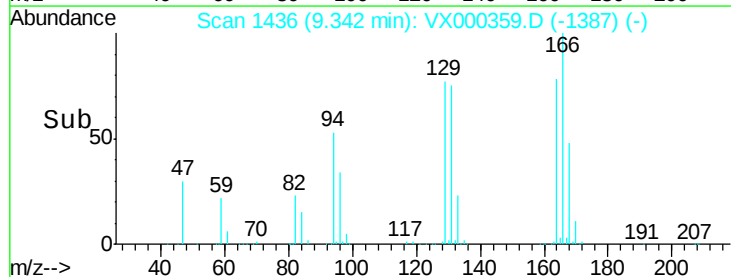
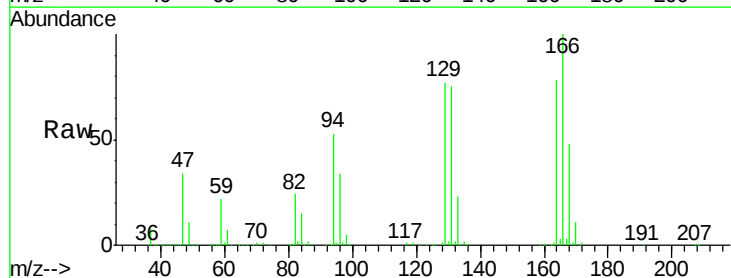
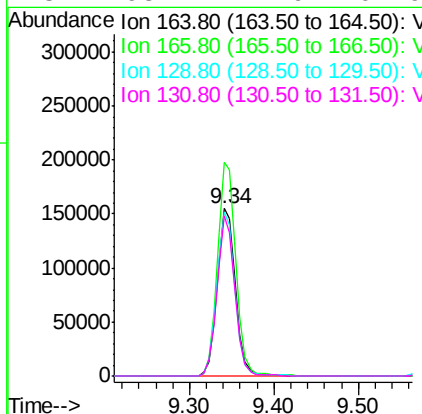
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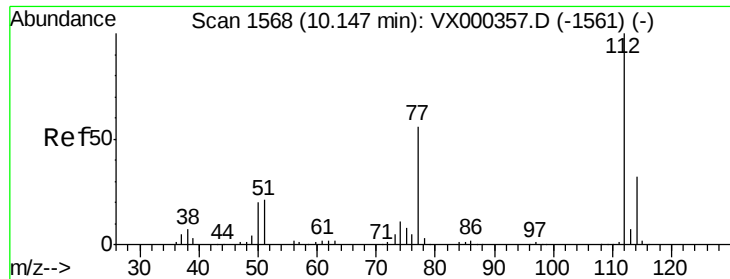
sam
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#64
Tetrachloroethene
Concen: 138.50 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.6
129	97.9	79.0	118.4
131	95.1	71.9	107.9





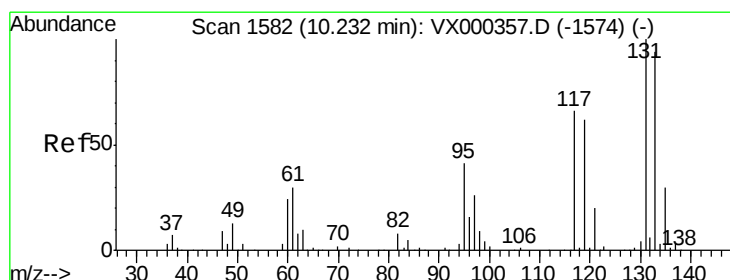
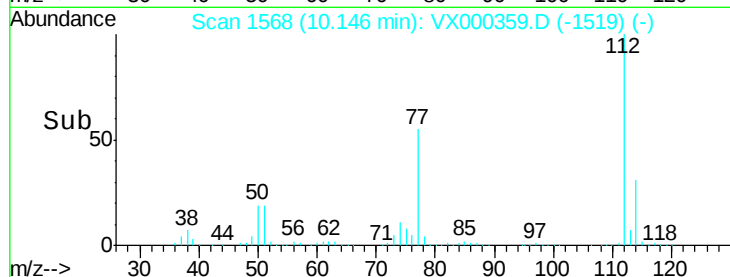
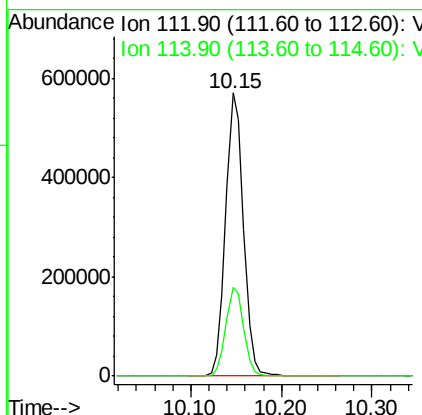
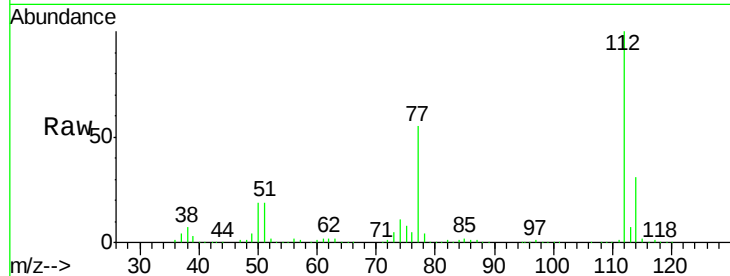
#65
Chlorobenzene
Concen: 164.40 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 783578
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5

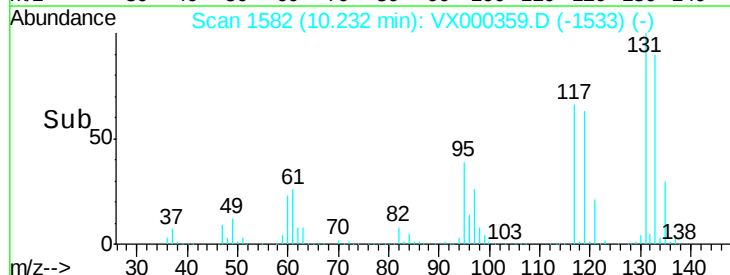
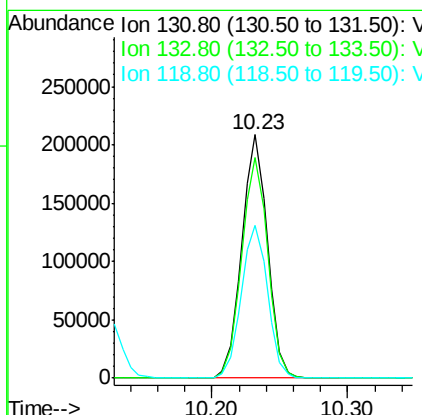
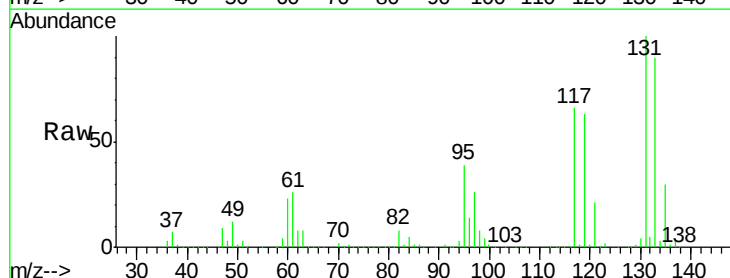
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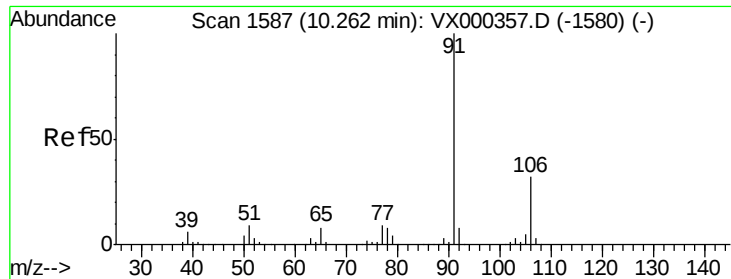
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 171.84 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion:131 Resp: 275476
Ion Ratio Lower Upper
131 100
133 92.2 47.1 141.3
119 64.4 33.1 99.2





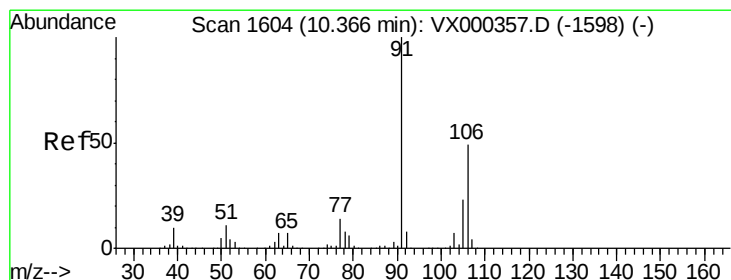
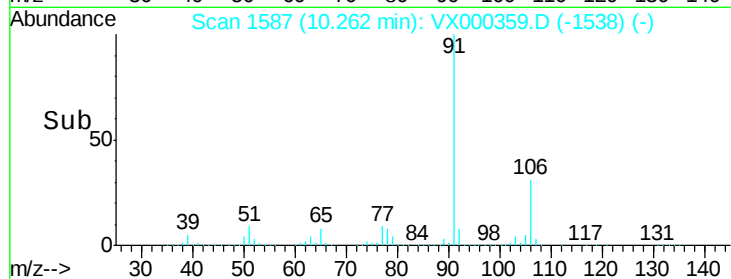
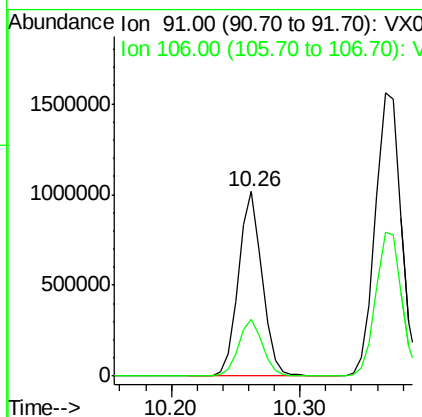
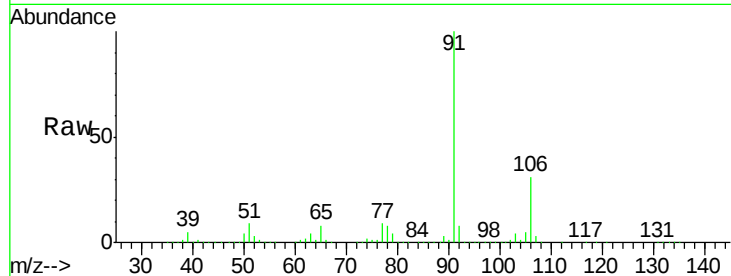
#67
Ethyl Benzene
Concen: 159.75 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1298104
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

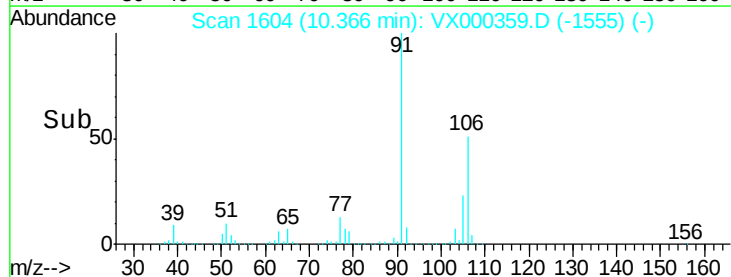
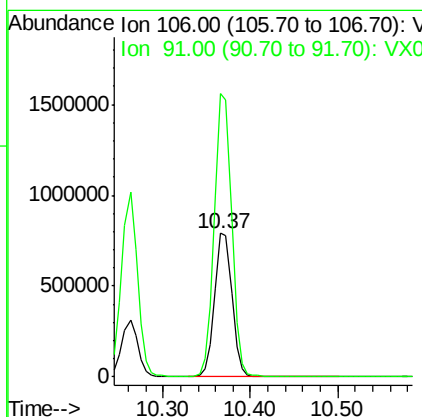
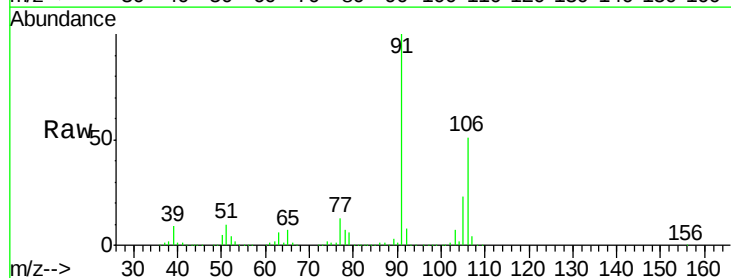
Manual Integrations
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#68
m/p-Xylenes
Concen: 345.06 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 106 Resp: 1092445
Ion Ratio Lower Upper
106 100
91 197.0 163.4 245.2





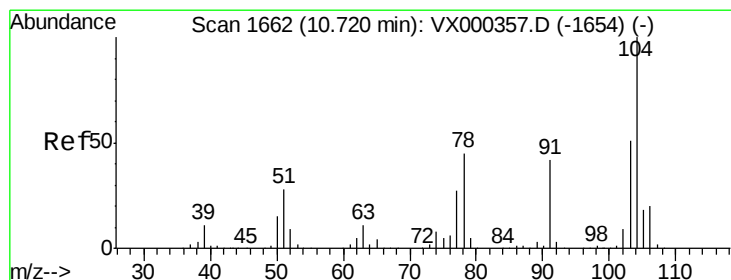
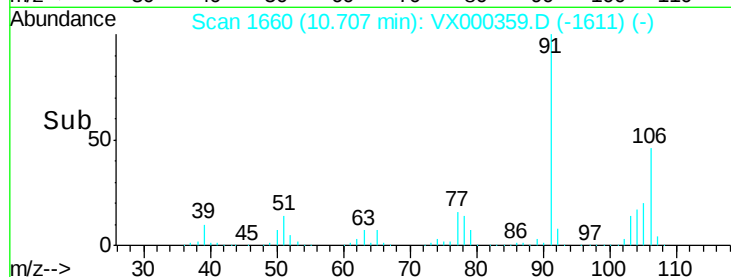
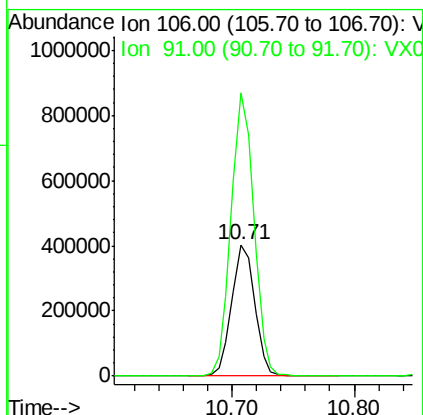
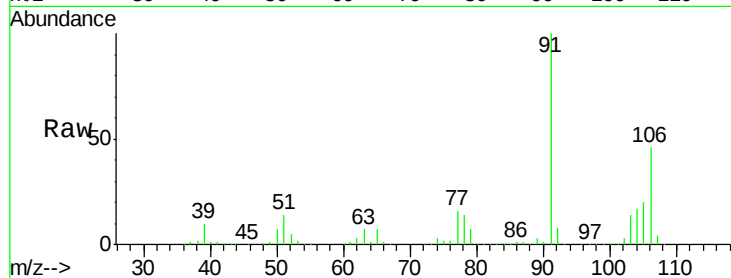
#69
o-Xylene
Concen: 170.99 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 525888
Ion Ratio Lower Upper
106 100
91 213.4 106.5 319.6

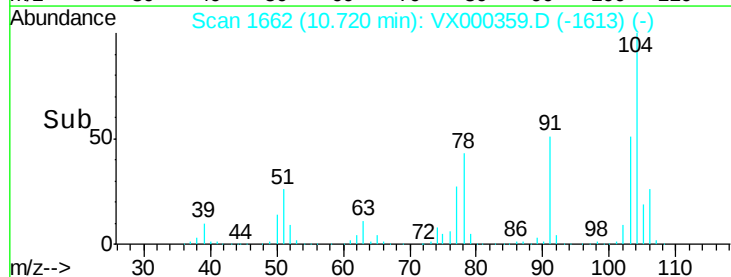
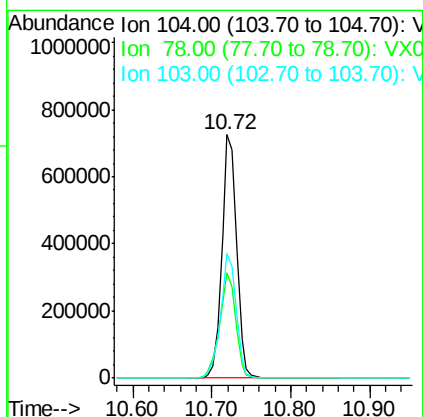
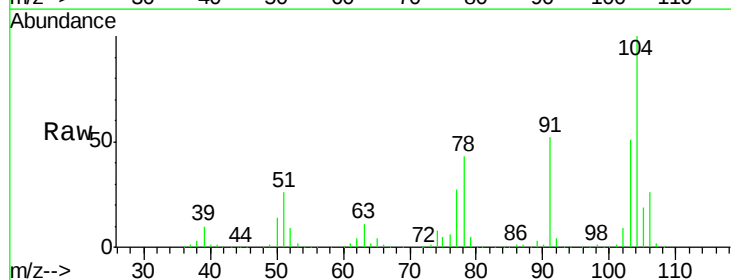
Manual Integrations
APPROVED

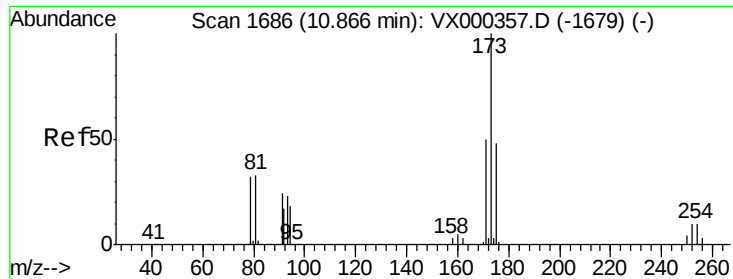
sam
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#70
Styrene
Concen: 184.52 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion:104 Resp: 941723
Ion Ratio Lower Upper
104 100
78 47.6 40.5 60.7
103 54.5 45.7 68.5





#71

Bromoform

Concen: 220.57 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 309286

Ion Ratio Lower Upper

173 100

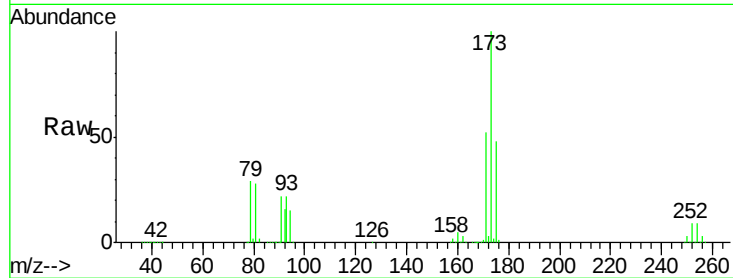
175 48.0 25.4 76.4

254 0.1 0.0 0.0#

Manual Integrations
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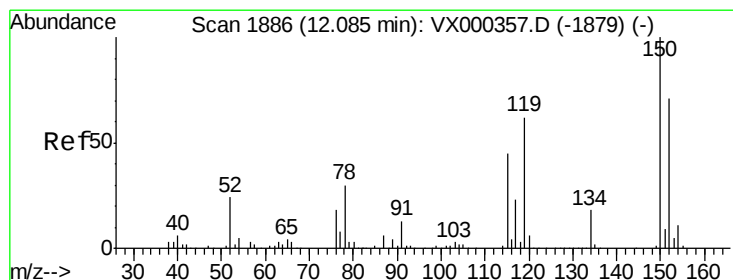
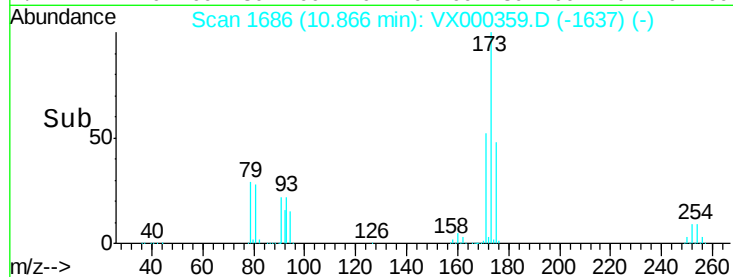
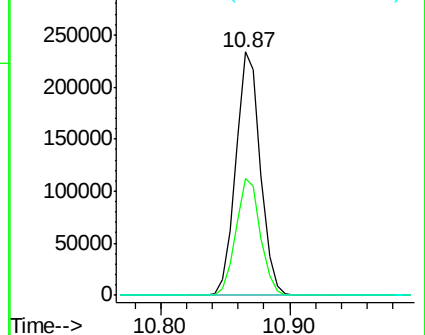
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

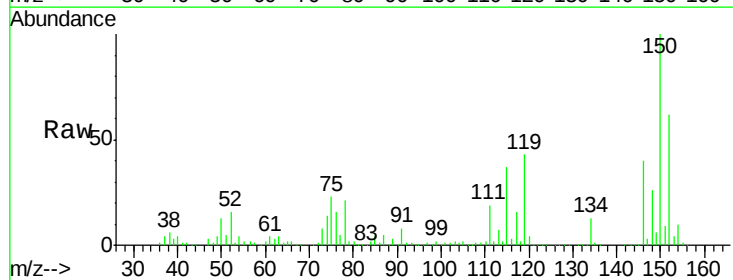
Tgt Ion:152 Resp: 157281

Ion Ratio Lower Upper

152 100

115 128.7 39.8 119.3#

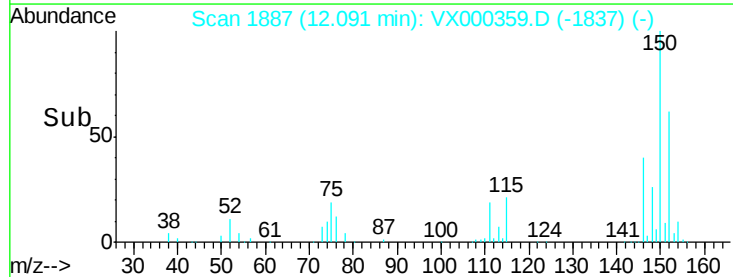
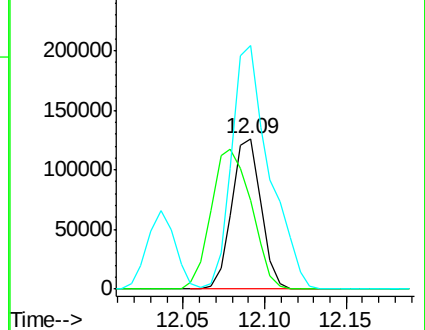
150 208.7 0.0 344.4

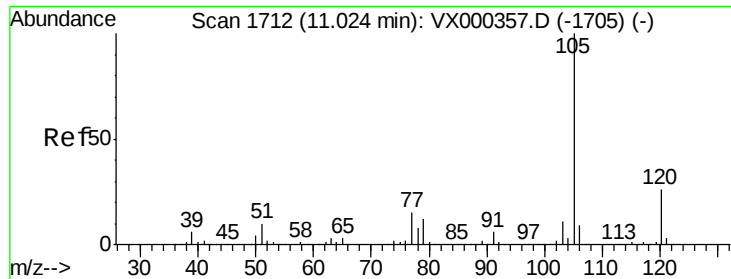


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 155.75 ug/l

RT: 11.03 min Scan# 1713

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:105 Resp: 1475424

Ion Ratio Lower Upper

105 100

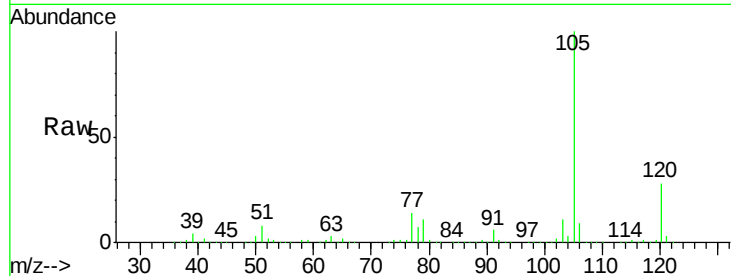
120 27.5 13.6 40.7

Manual Integrations

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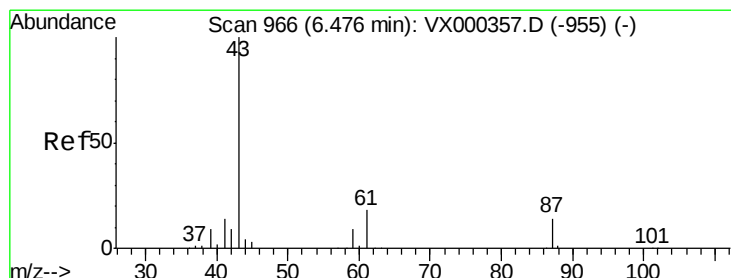
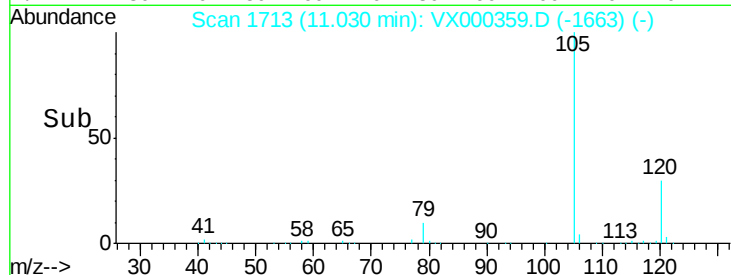
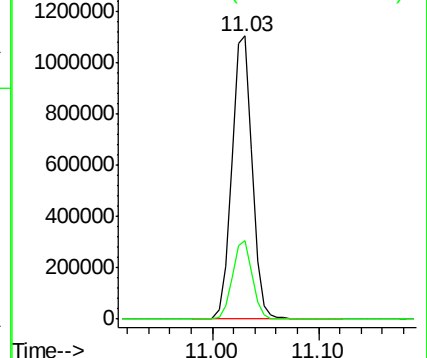
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 143.53 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion: 43 Resp: 650876

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

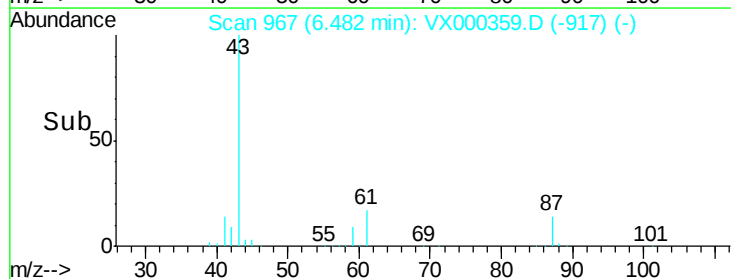
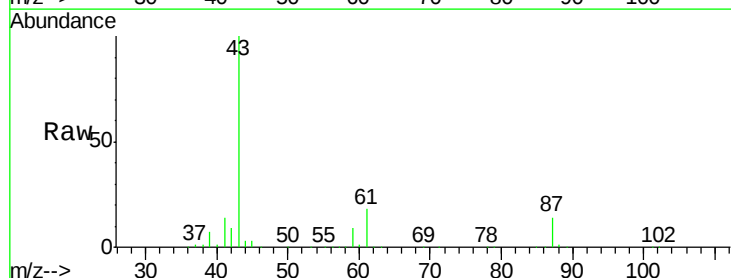
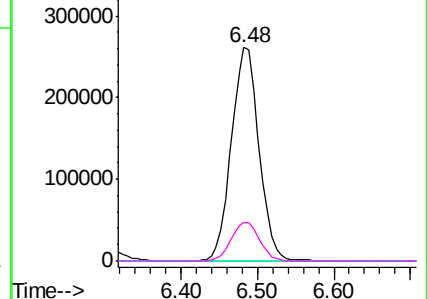
61 18.7 14.4 21.6

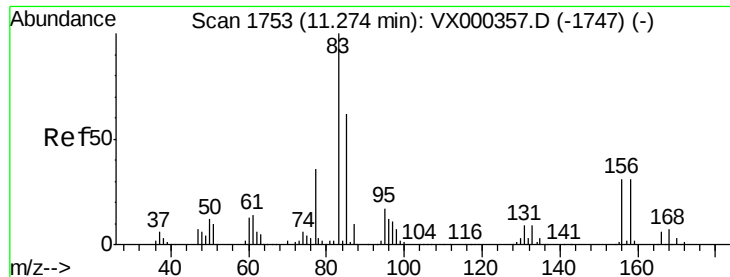
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 160.79 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

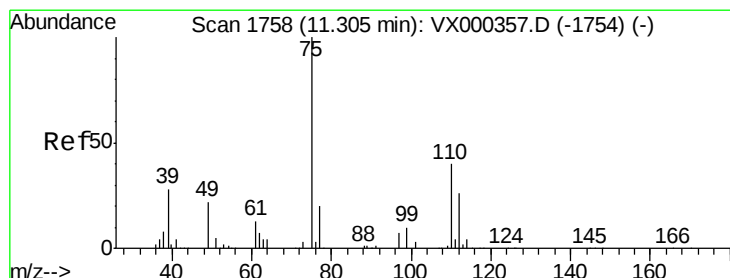
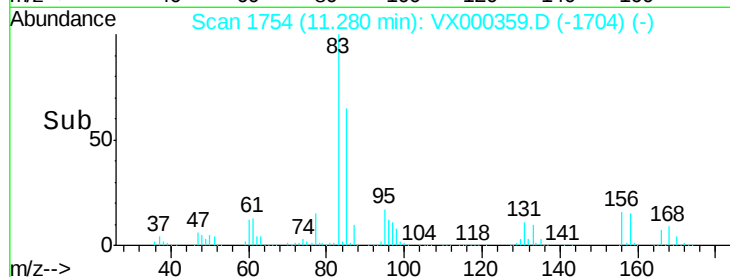
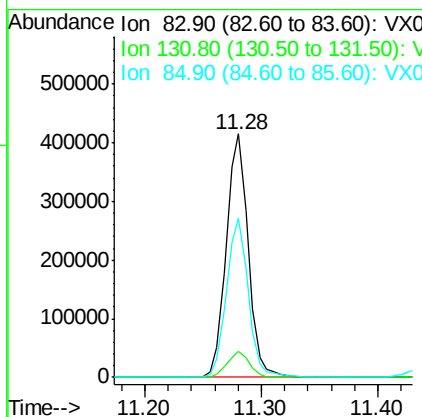
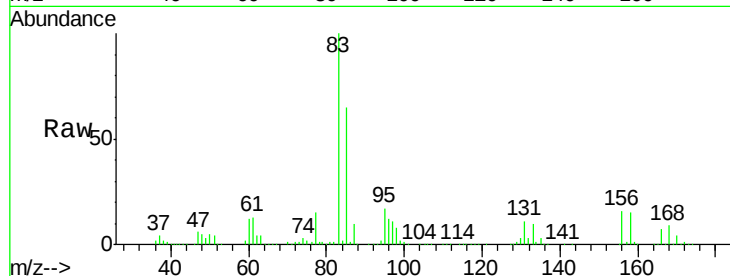
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	542226
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	14.9
85	64.9	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 143.53 ug/l m

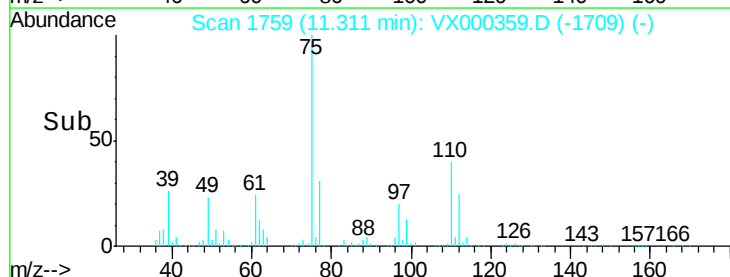
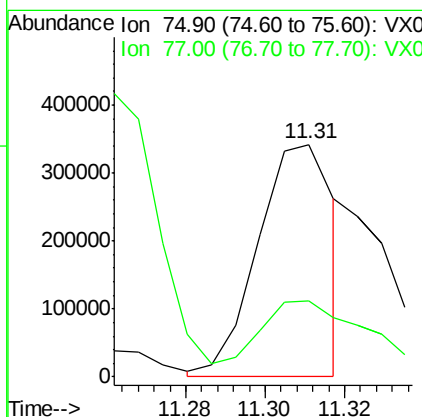
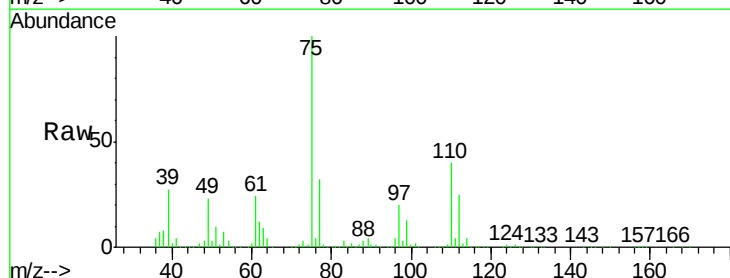
RT: 11.31 min Scan# 1759

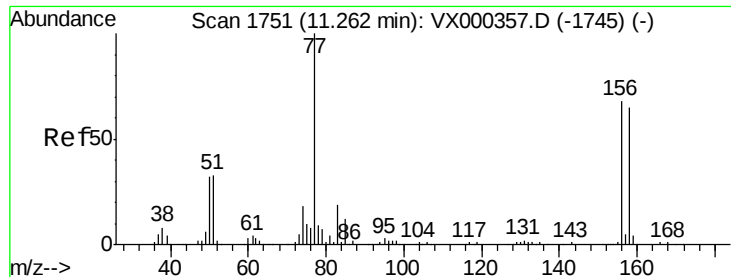
Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	75	Resp:	454415
Ion	Ratio	Lower	Upper
75	100		
77	47.6	21.4	64.2





#77

Bromobenzene

Concen: 157.92 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

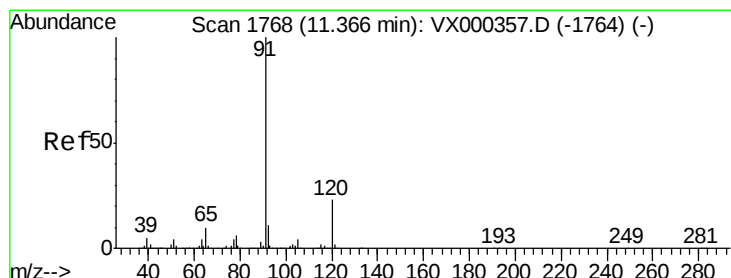
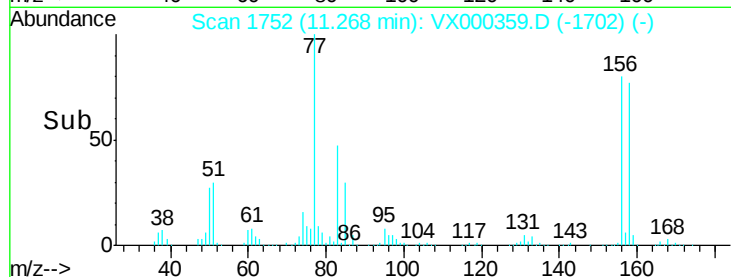
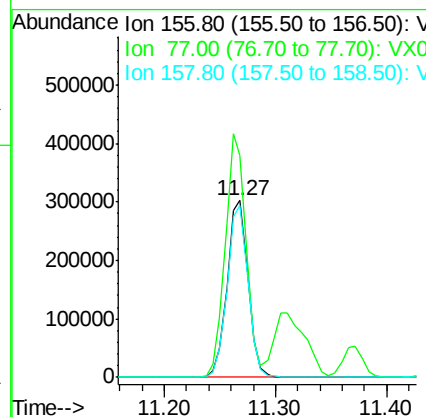
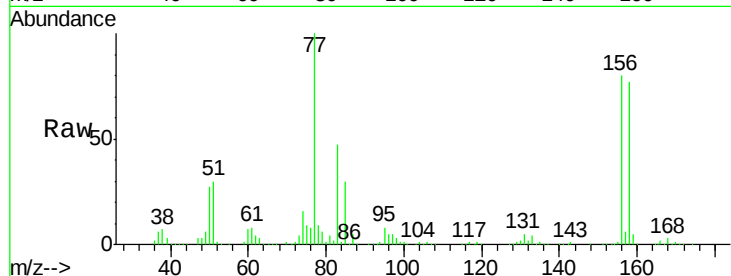
ClientSampled :

VSTDIC150

Tot Ion:	156	Resp:	392651
Ion Ratio	Lower	Upper	
156	100		
77	136.6	73.4	220.2
158	96.9	48.5	145.6

Manual Integrations
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sam
3/21/2018 11:44:44 AM



#78

n-propylbenzene

Concen: 149.58 ug/l

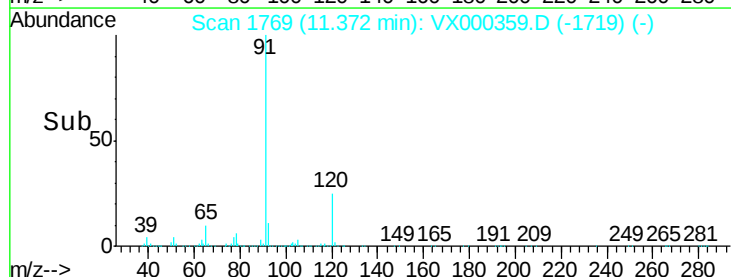
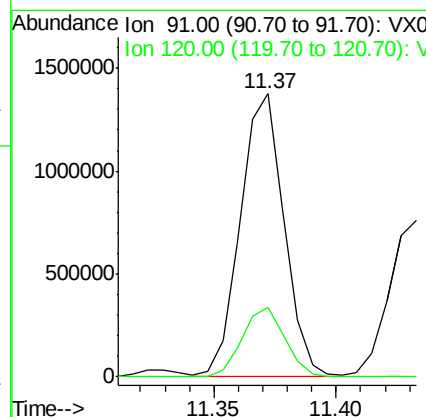
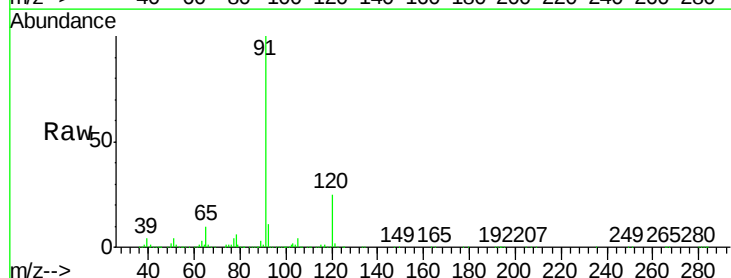
RT: 11.37 min Scan# 1769

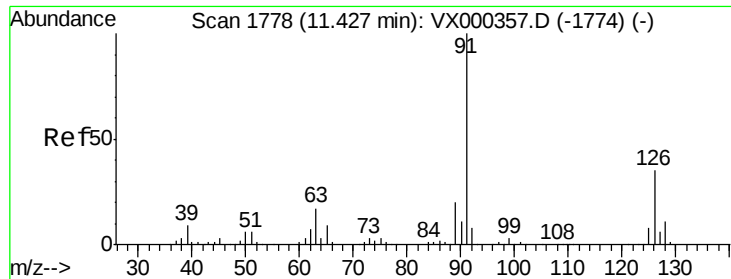
Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	91	Resp:	1708645
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.3





#79

2-Chlorotoluene

Concen: 151.09 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 979381

Ion Ratio Lower Upper

91 100

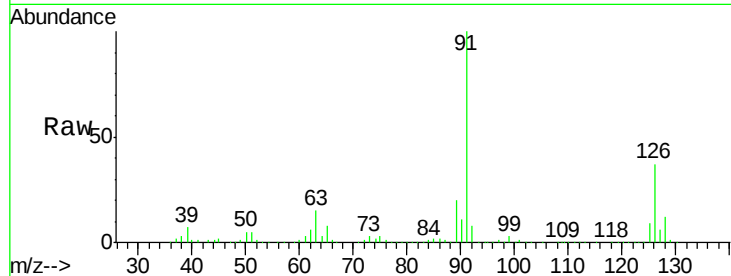
126 36.2 17.7 53.1

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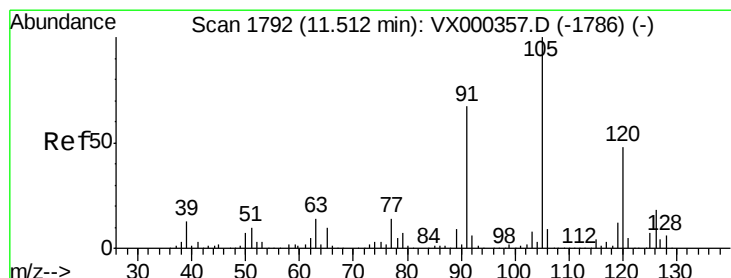
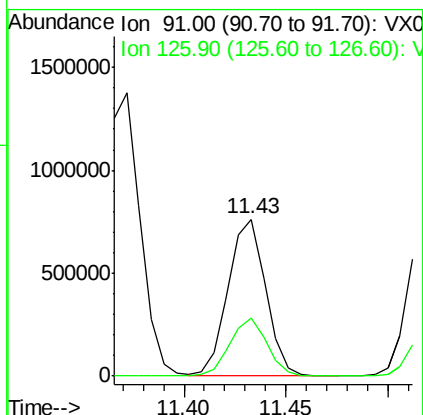
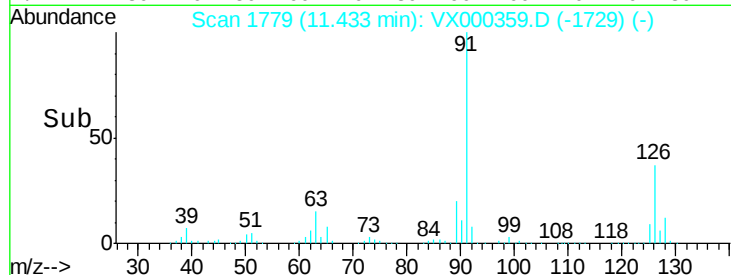
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX000357.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VX000357.D (-1774) (-)



#80

1,3,5-Trimethylbenzene

Concen: 157.03 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX000359.D

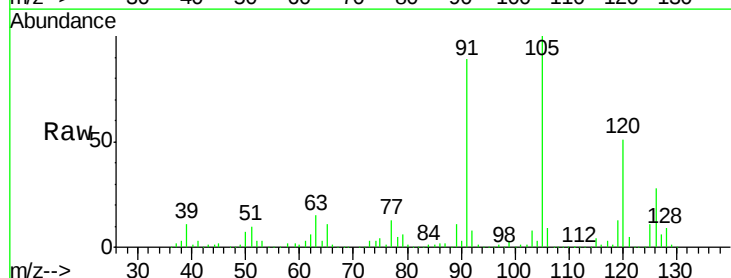
Acq: 20 Mar 2018 12:35

Tgt Ion: 105 Resp: 1267195

Ion Ratio Lower Upper

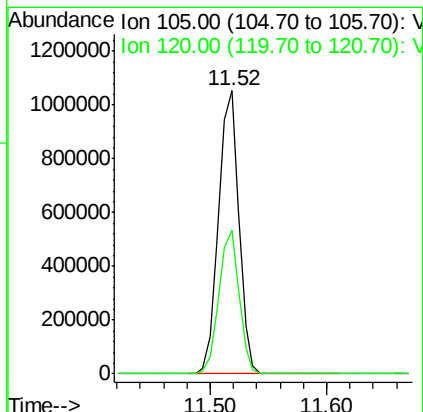
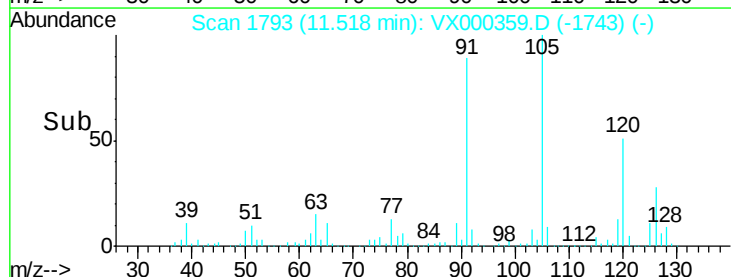
105 100

120 50.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VX000357.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX000357.D (-1786) (-)





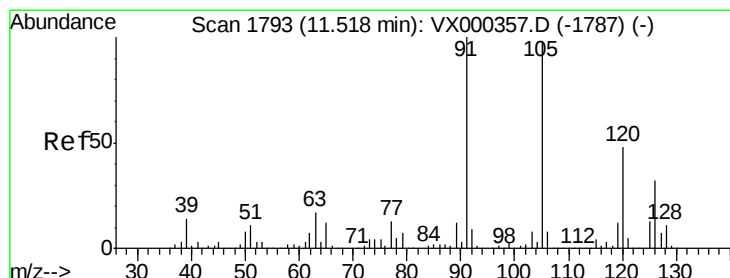
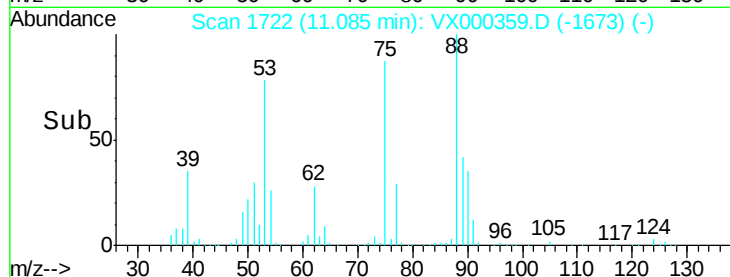
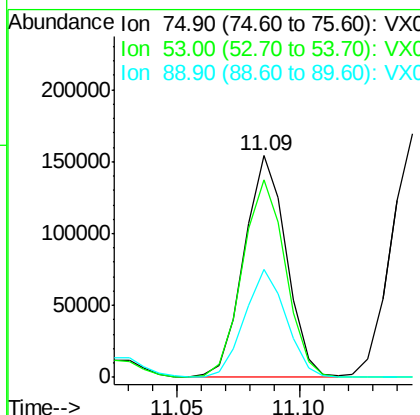
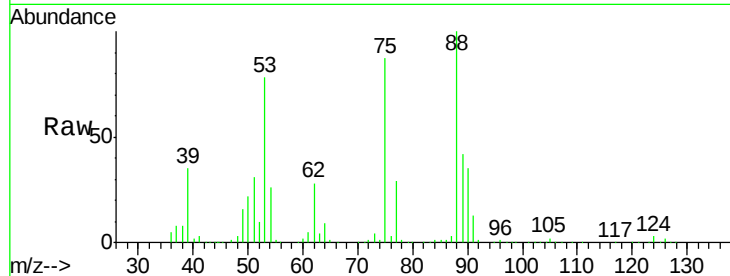
#81
trans-1,4-Dichloro-2-butene
Concen: 198.35 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	80.7	121.1
89	48.3	39.4	59.0

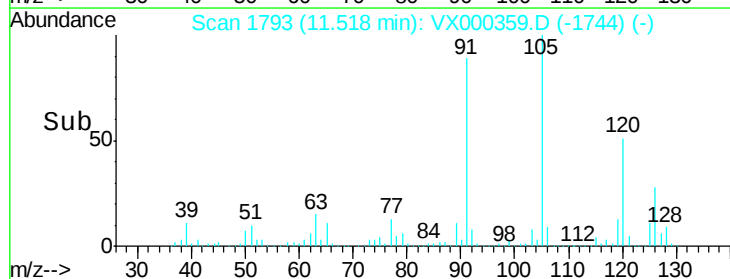
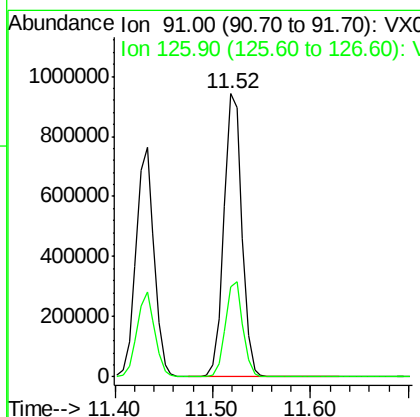
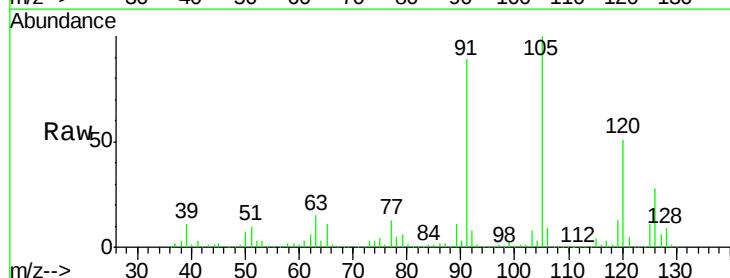
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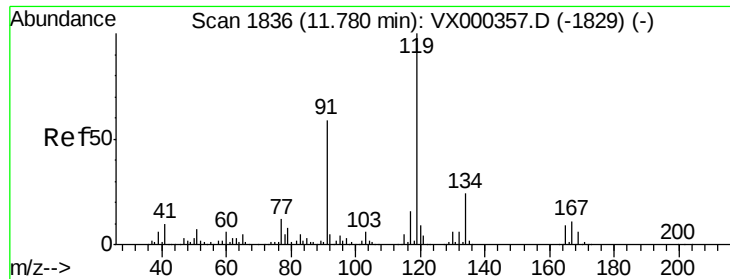
sam
3/21/2018 11:44:44 AM



#82
4-Chlorotoluene
Concen: 151.05 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.4	46.1





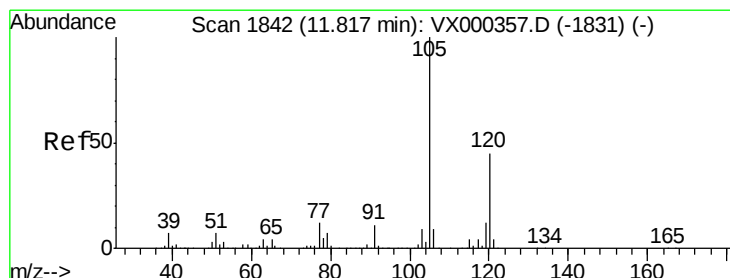
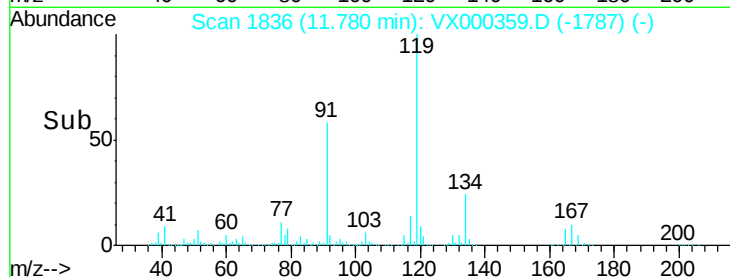
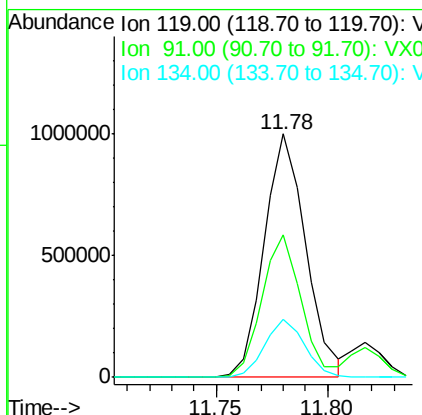
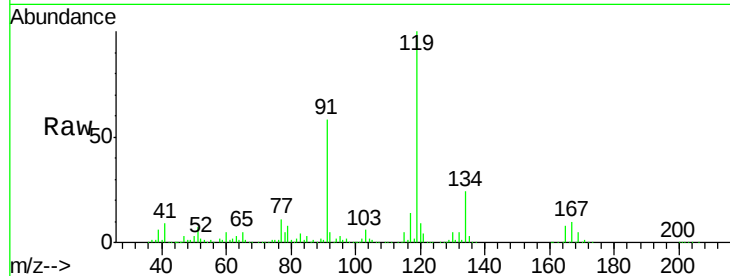
#83
 tert-Butylbenzene
 Concen: 164.51 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:119 Resp: 1295106
 Ion Ratio Lower Upper
 119 100
 91 56.0 28.8 86.4
 134 23.0 11.4 34.1

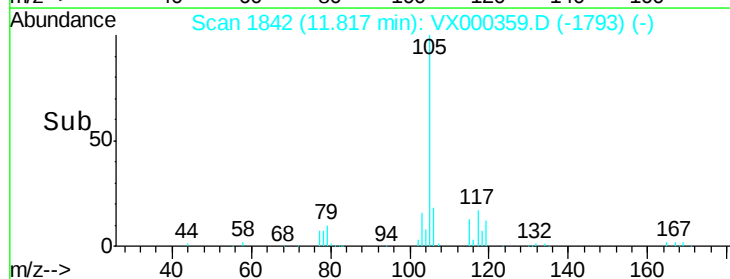
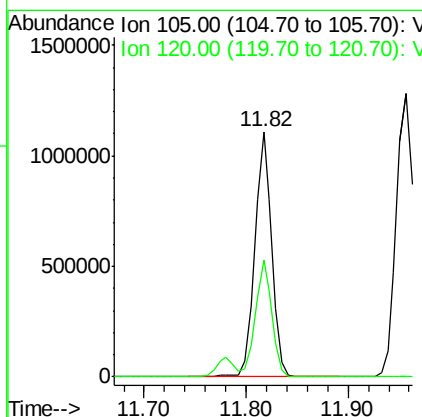
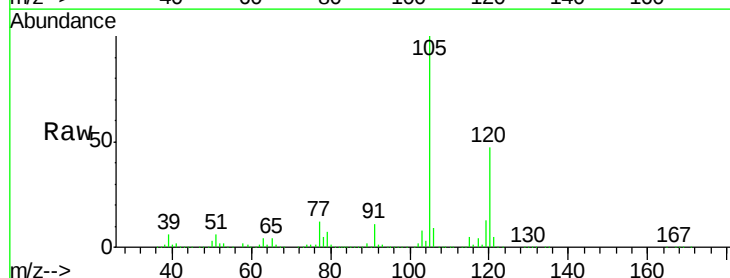
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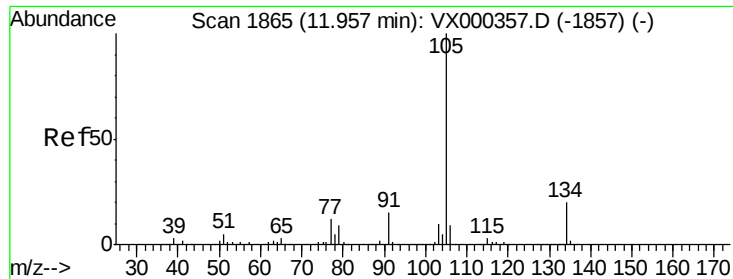
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 155.47 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion:105 Resp: 1289840
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 158.82 ug/l

RT: 11.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 1565311

Ion Ratio Lower Upper

105 100

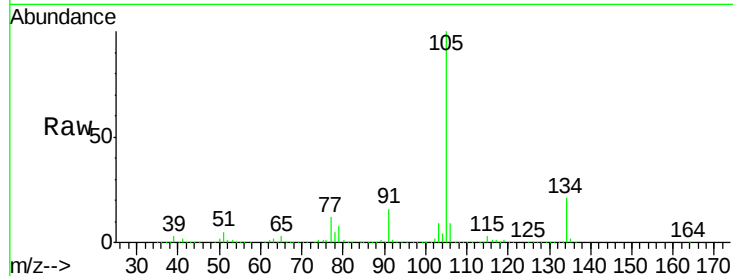
134 20.8 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

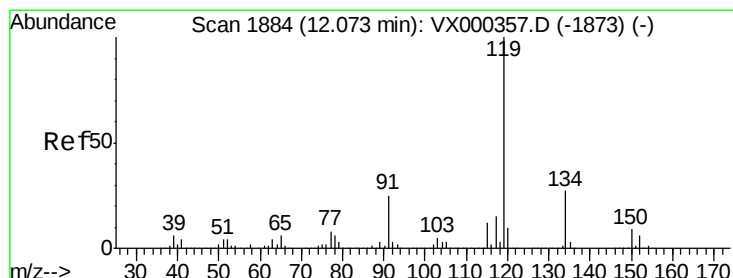
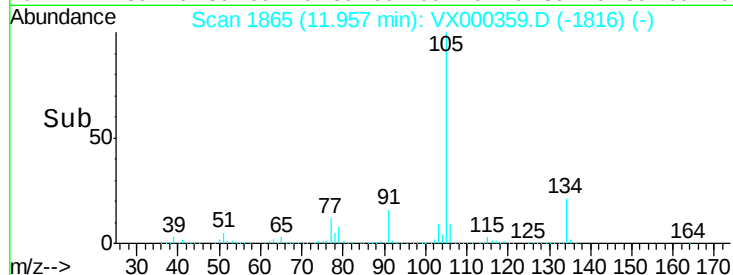
11.96

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 163.28 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

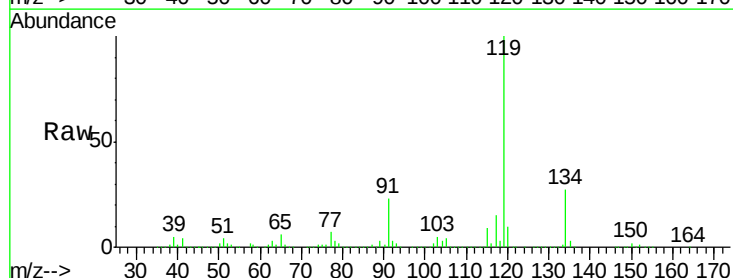
Tgt Ion:119 Resp: 1432154

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 23.1 12.0 36.1



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

1500000

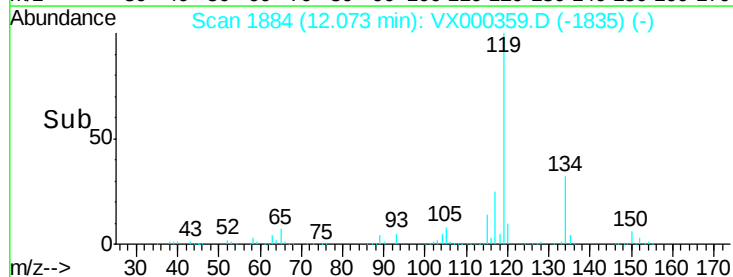
12.07

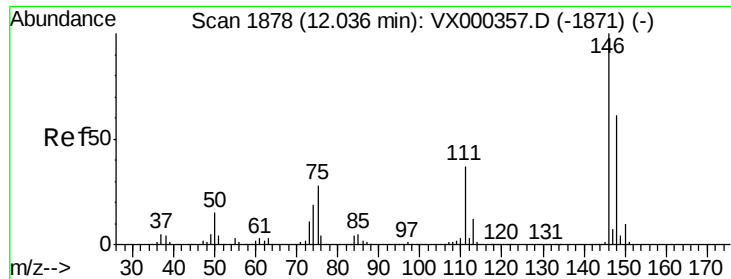
1000000

500000

0

Time-->





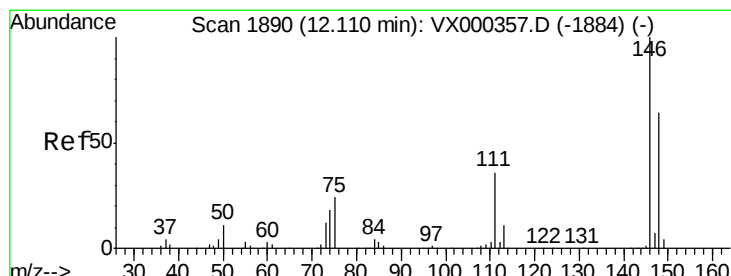
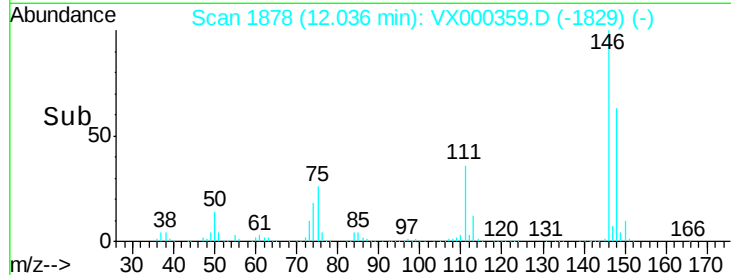
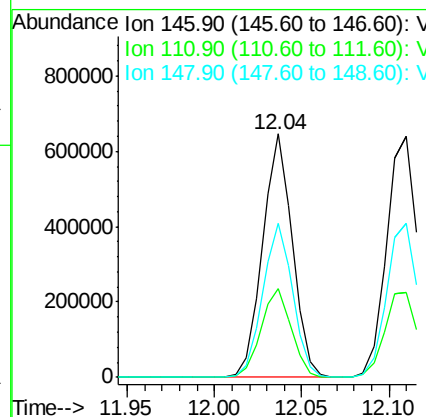
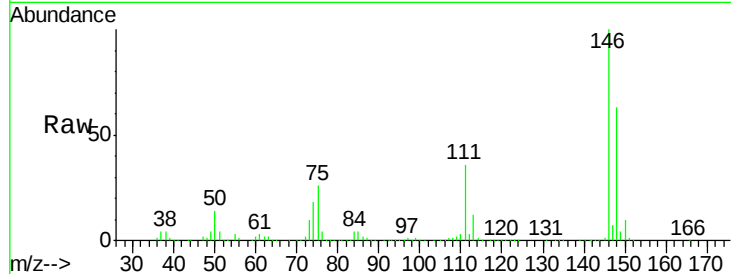
#87
 1,3-Dichlorobenzene
 Concen: 156.42 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.5	58.5
148	63.6	32.4	97.0

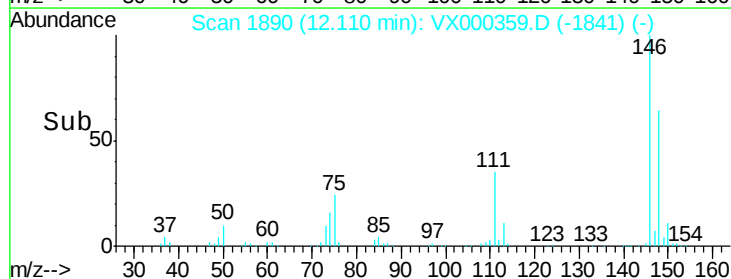
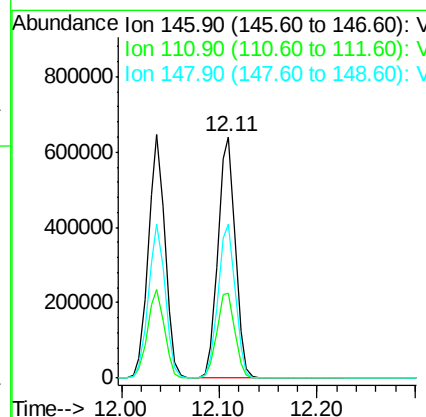
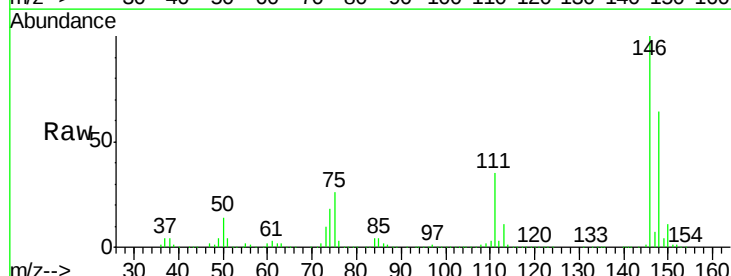
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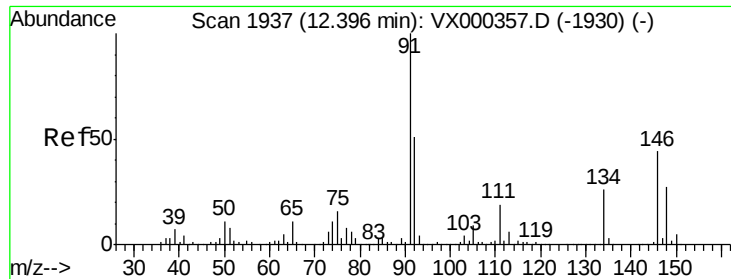
sam
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#88
 1,4-Dichlorobenzene
 Concen: 155.47 ug/l
 RT: 12.11 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	63.8	31.0	93.0





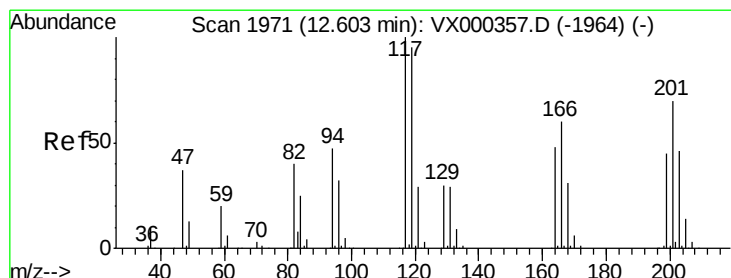
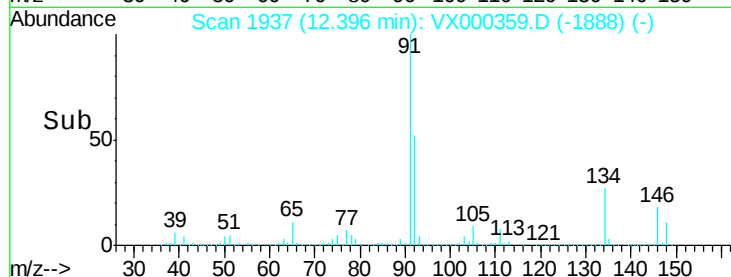
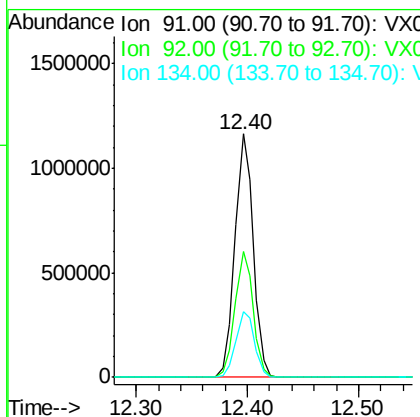
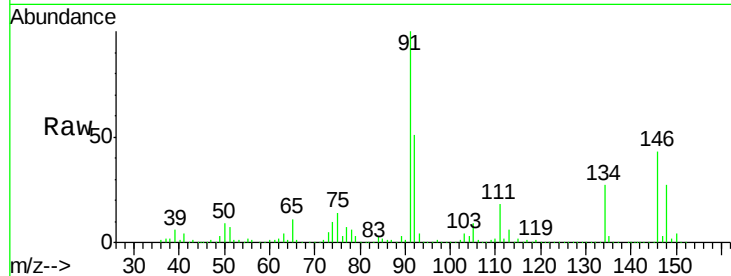
#89
n-Butylbenzene
Concen: 154.89 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1320914
Ion Ratio Lower Upper
91 100
92 51.4 25.9 77.8
134 27.6 13.1 39.3

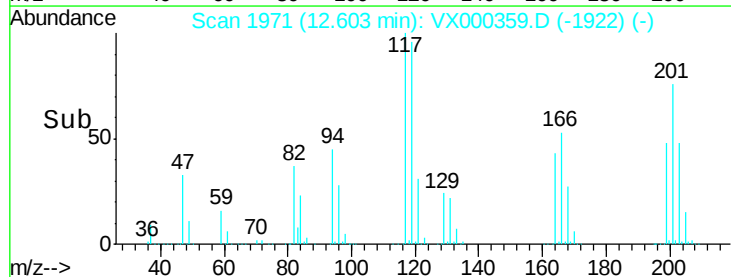
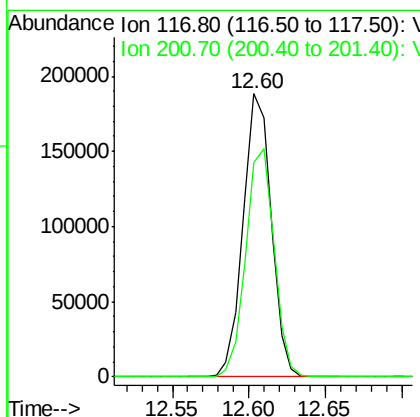
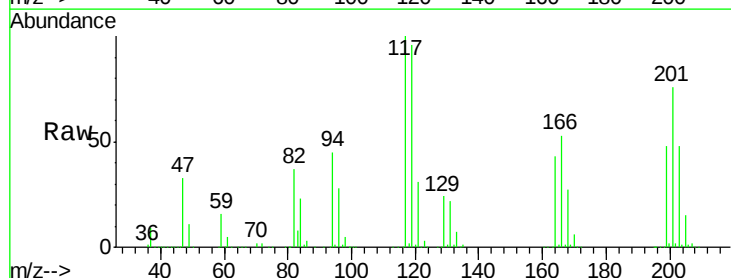
Manual Integrations
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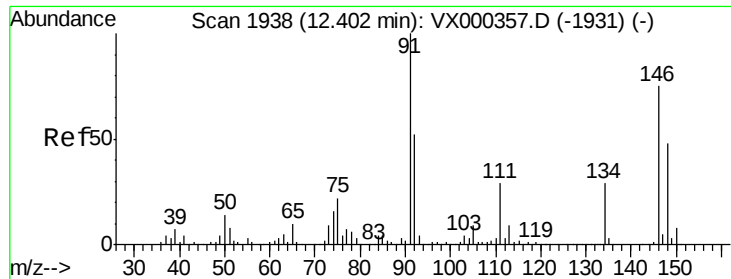
sam
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#90
Hexachloroethane
Concen: 171.35 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000359.D
Acq: 20 Mar 2018 12:35

Tgt Ion: 117 Resp: 241067
Ion Ratio Lower Upper
117 100
201 81.2 37.9 113.6





#91

1,2-Dichlorobenzene

Concen: 163.11 ug/l

RT: 12.40 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

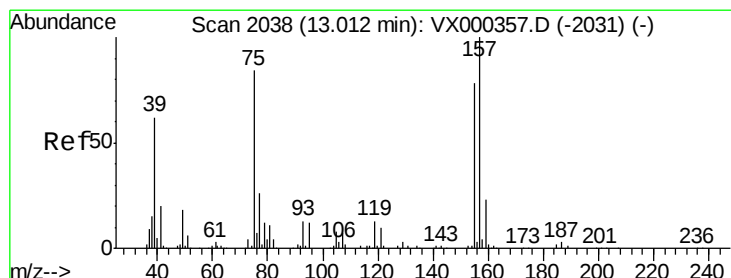
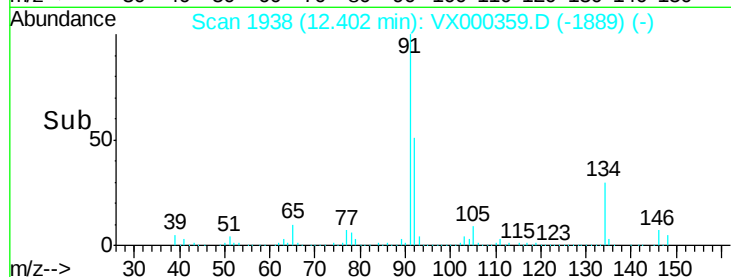
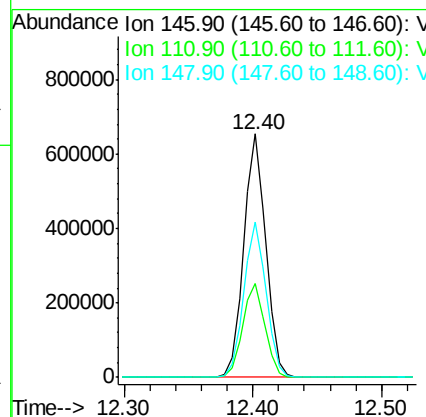
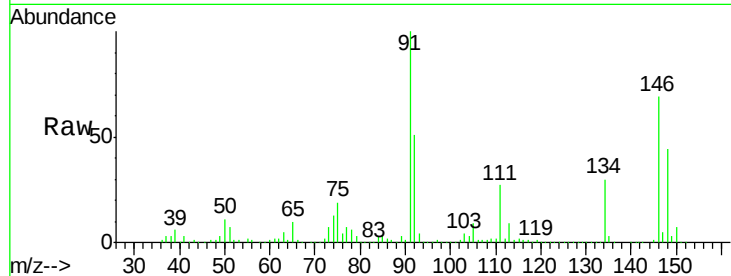
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	770891
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.1	60.2
148	64.1	31.2	93.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 171.26 ug/l

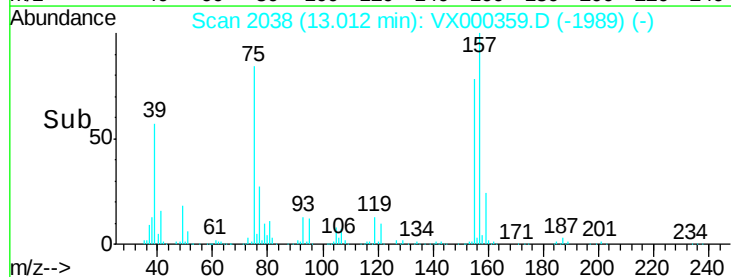
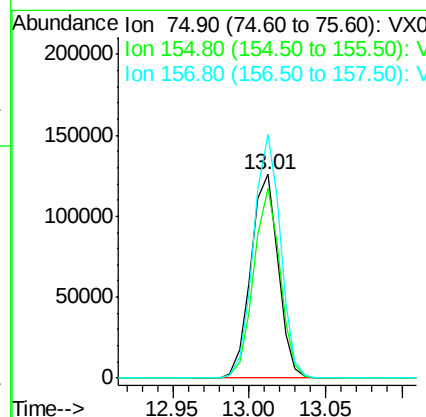
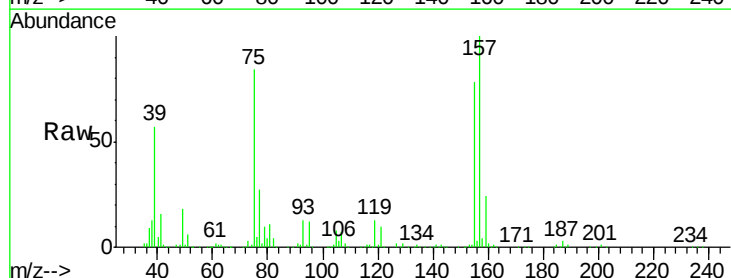
RT: 13.01 min Scan# 2038

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Tgt Ion:	75	Resp:	156340
Ion Ratio	Lower	Upper	
75	100		
155	90.2	45.0	134.8
157	117.8	58.1	174.2





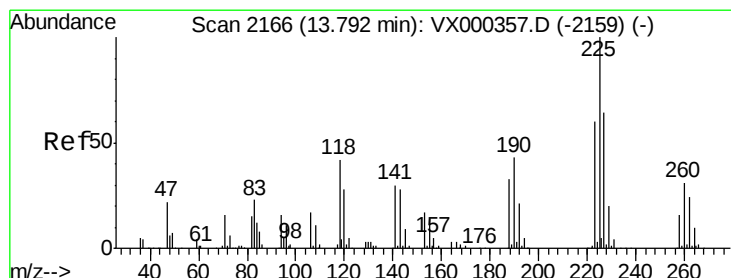
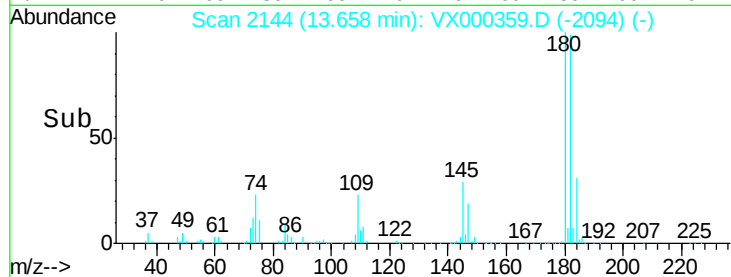
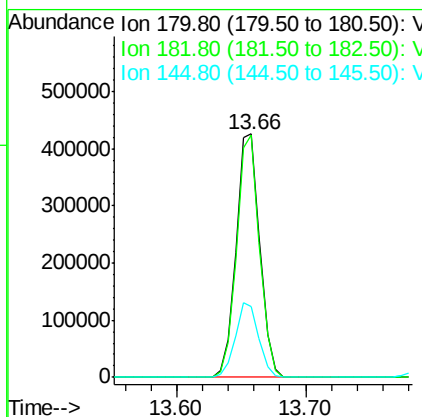
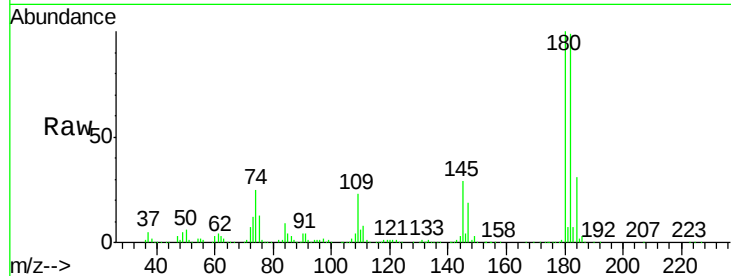
#93
 1,2,4-Trichlorobenzene
 Concen: 159.30 ug/l
 RT: 13.66 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	542316		
182	96.4	47.6	142.9	
145	30.2	15.1	45.3	

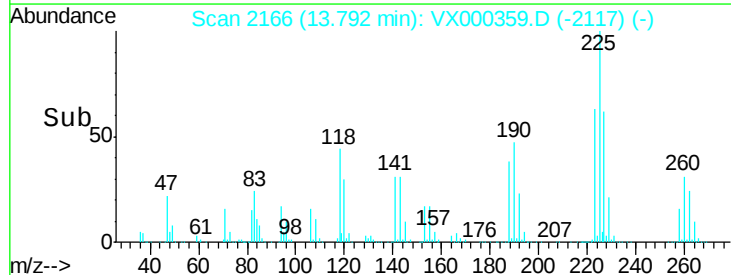
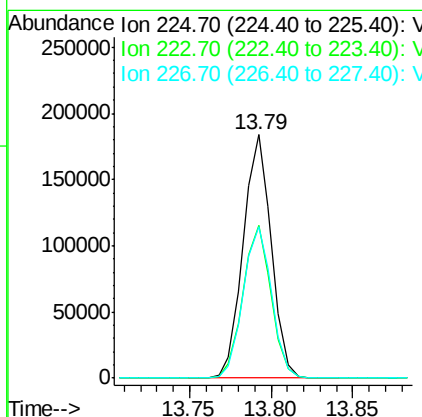
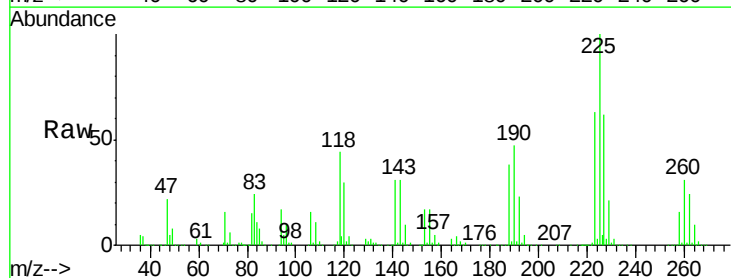
Manual Integrations
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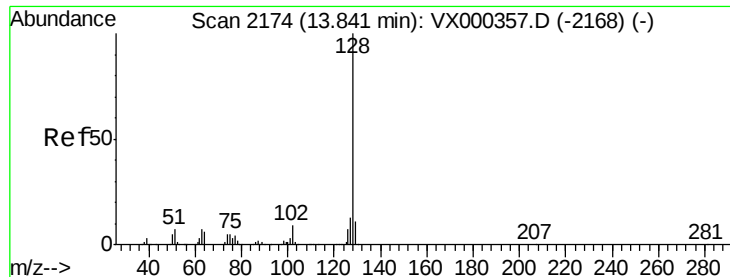
sam
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#94
 Hexachlorobutadiene
 Concen: 163.75 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VX000359.D
 Acq: 20 Mar 2018 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	219915		
223	63.1	32.0	96.0	
227	63.3	32.6	98.0	





#95

Naphthalene

Concen: 166.76 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1970096

Ion Ratio Lower Upper

128 100

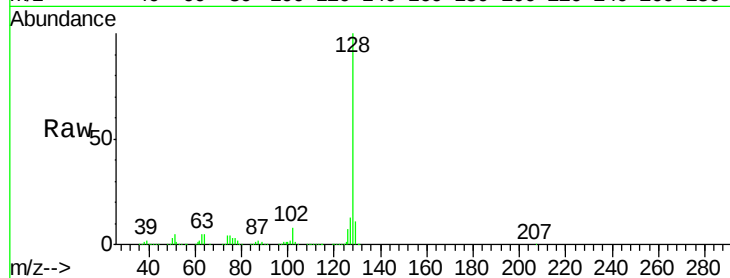
127 13.1 10.6 15.8

129 11.0 8.9 13.3

Manual Integrations
APPROVED

sam

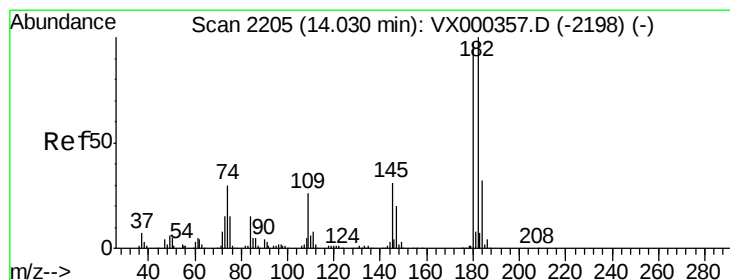
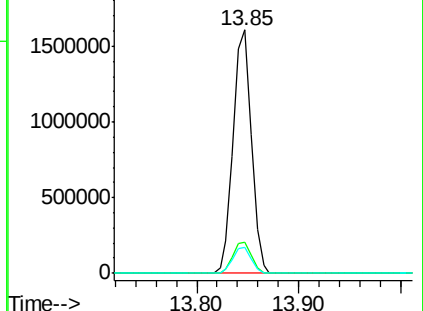
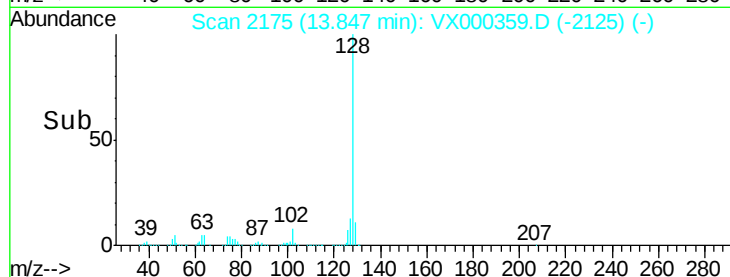
3/21/2018 11:44:44 AM



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: 158.59 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VX000359.D

Acq: 20 Mar 2018 12:35

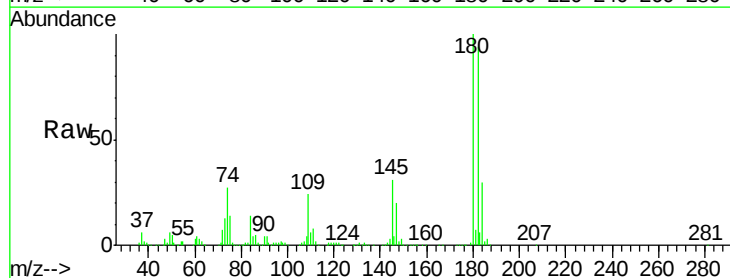
Tgt Ion:180 Resp: 545385

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.3

145 31.4 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

