

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\
 Data File : VX000557.D
 Acq On : 30 Mar 2018 13:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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sam
 4/4/2018 6:10:49 PM

Quant Time: Apr 03 17:02:33 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	129099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	224058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157481	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	83017	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	5.51	113	66241	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	8.72	98	281643	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
62) 4-Bromofluorobenzene	11.15	95	118111	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59016	41.479	ug/l	97
3) Chloromethane	1.32	50	63531	42.385	ug/l	98
4) Vinyl Chloride	1.40	62	80611	50.897	ug/l	98
5) Bromomethane	1.64	94	135149	71.256	ug/l	98
6) Chloroethane	1.72	64	59243	61.112	ug/l	98
7) Trichlorofluoromethane	1.93	101	150206	52.545	ug/l	96
8) Diethyl Ether	2.19	74	51361	50.276	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	83413	52.329	ug/l	99
10) Methyl Iodide	2.51	142	71483	45.665	ug/l	99
11) Tert butyl alcohol	3.08	59	144325	248.979	ug/l	100
12) 1,1-Dichloroethene	2.37	96	74068	52.932	ug/l	96
13) Acrolein	2.30	56	95949	502.761	ug/l	98
14) Allyl chloride	2.73	41	135039	54.649	ug/l	98
15) Acrylonitrile	3.15	53	301887	257.135	ug/l	100
16) Acetone	2.45	43	447403	319.146	ug/l	99
17) Carbon Disulfide	2.57	76	200334	53.818	ug/l	98
18) Methyl Acetate	2.78	43	146208	49.747	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	269138	52.004	ug/l	100
20) Methylene Chloride	2.86	84	81710	50.464	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	83319	53.377	ug/l	94
22) Diisopropyl ether	3.87	45	213958	48.912	ug/l	94
23) Vinyl Acetate	3.83	43	1230636	296.763	ug/l	98
24) 1,1-Dichloroethane	3.70	63	146293	53.193	ug/l	99
25) 2-Butanone	4.71	43	403641	256.162	ug/l	98
26) 2,2-Dichloropropane	4.59	77	89376	46.366	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	69659	47.748	ug/l	98
28) Bromochloromethane	5.03	49	59008	52.031	ug/l	99
29) Tetrahydrofuran	5.18	42	235146	242.546	ug/l	99
30) Chloroform	5.22	83	132240	51.305	ug/l	100
31) Cyclohexane	5.59	56	107016	50.334	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	117373	50.478	ug/l	99
36) 1,1-Dichloropropene	5.81	75	101253	53.236	ug/l	99
37) Ethyl Acetate	4.87	43	127517	49.083	ug/l	98
38) Carbon Tetrachloride	5.79	117	103167	51.704	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	125469	54.243	ug/l	96
40) Benzene	6.15	78	295614	53.521	ug/l	98
41) Methacrylonitrile	5.07	41	65111	47.537	ug/l	97
42) 1,2-Dichloroethane	6.20	62	114306	52.746	ug/l	99
43) Isopropyl Acetate	6.48	43	200939	51.959	ug/l	99
44) Trichloroethene	7.22	130	83727	52.912	ug/l	99
45) 1,2-Dichloropropane	7.53	63	76393	54.034	ug/l	97
46) Dibromomethane	7.67	93	58507	52.722	ug/l	96
47) Bromodichloromethane	7.91	83	107708	55.165	ug/l	99
48) Methyl methacrylate	7.79	41	98112	52.256	ug/l	98
49) 1,4-Dioxane	7.77	88	43455	1101.103	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	819017	273.607	ug/l	99
52) Toluene	8.79	92	220218	57.031	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	125714	55.564	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	126873	57.810	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	87593	55.162	ug/l	99
56) Ethyl methacrylate	9.19	69	134793	56.020	ug/l	99
57) 1,3-Dichloropropane	9.38	76	140295	55.239	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	275455	238.524	ug/l	99
59) 2-Hexanone	9.51	43	728453	286.595	ug/l	100
60) Dibromochloromethane	9.59	129	96598	51.290	ug/l	99
61) 1,2-Dibromoethane	9.68	107	99960	58.702	ug/l	97
64) Tetrachloroethene	9.34	164	91134	52.415	ug/l	95
65) Chlorobenzene	10.15	112	256441	51.429	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	87948	51.934	ug/l	97
67) Ethyl Benzene	10.26	91	448288	53.035	ug/l	98
68) m/p-Xylenes	10.37	106	374440	112.575	ug/l	99
69) o-Xylene	10.71	106	176880	54.923	ug/l	100
70) Styrene	10.72	104	307705	57.745	ug/l	98
71) Bromoform	10.87	173	78985	45.261	ug/l #	97
73) Isopropylbenzene	11.02	105	500266	47.945	ug/l	99
74) N-amyl acetate	6.48	43	200939	43.771	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	170710	46.256	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	173301m	51.205	ug/l	
77) Bromobenzene	11.26	156	123910	44.578	ug/l	99
78) n-propylbenzene	11.37	91	608316	48.894	ug/l	100
79) 2-Chlorotoluene	11.43	91	343545	47.798	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	453384	51.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	48381	46.281	ug/l	98
82) 4-Chlorotoluene	11.52	91	426498	49.698	ug/l	98
83) tert-Butylbenzene	11.78	119	433485	48.991	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	452382	49.181	ug/l	97
85) sec-Butylbenzene	11.95	105	556527	50.832	ug/l	100
86) p-Isopropyltoluene	12.07	119	517499	53.222	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	261776	49.809	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	276758	50.157	ug/l	98
89) n-Butylbenzene	12.40	91	484225	53.486	ug/l	99
90) Hexachloroethane	12.60	117	76153	49.758	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	262138	50.875	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	47557	46.205	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180363	48.827	ug/l	99
94) Hexachlorobutadiene	13.79	225	76352	49.920	ug/l	99
95) Naphthalene	13.84	128	629834	48.947	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	182701	50.054	ug/l	99

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

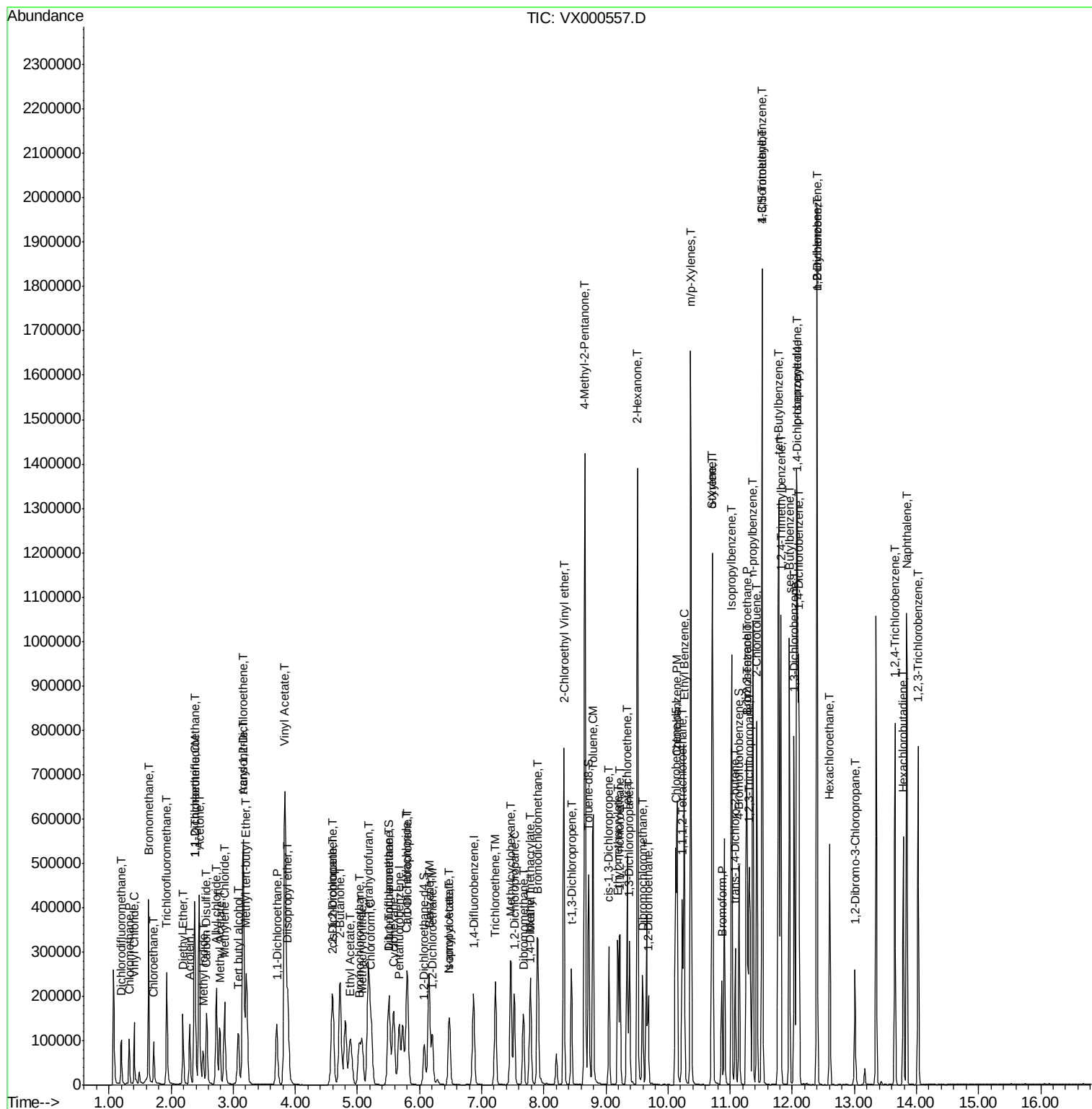
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\
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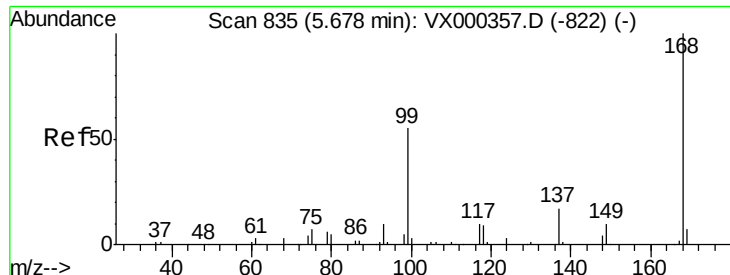
Instrument :
MSVOA_X
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 129099

Ion Ratio Lower Upper

168 100

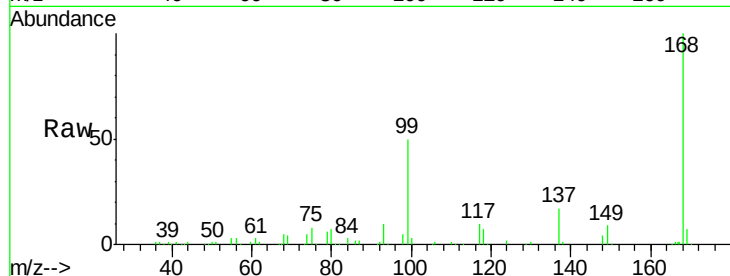
99 50.2 45.8 68.6

Manual Integrations

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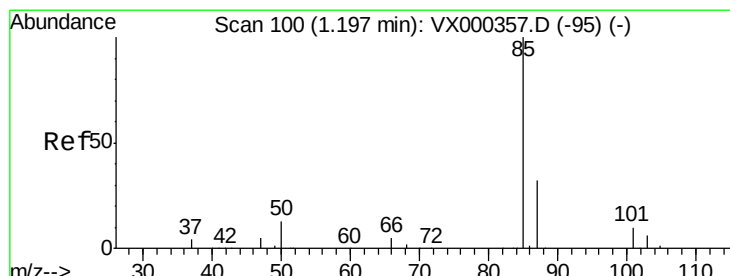
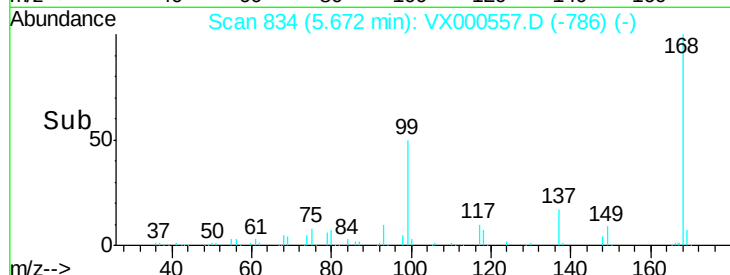
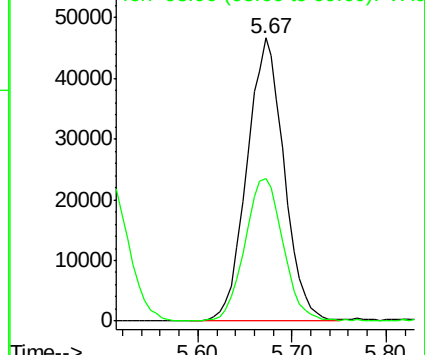
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.479 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000557.D

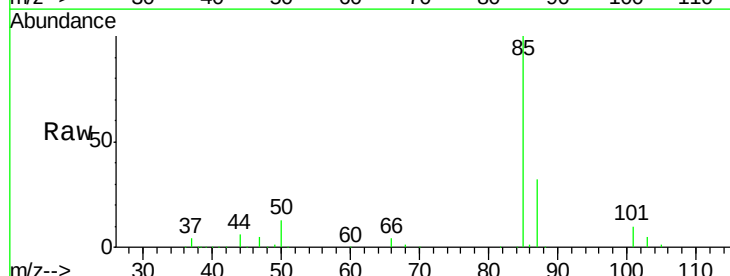
Acq: 30 Mar 2018 13:16

Tgt Ion: 85 Resp: 59016

Ion Ratio Lower Upper

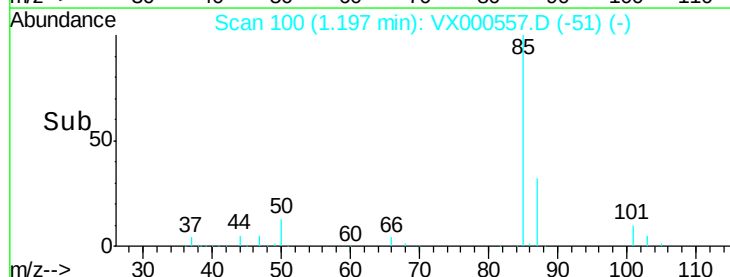
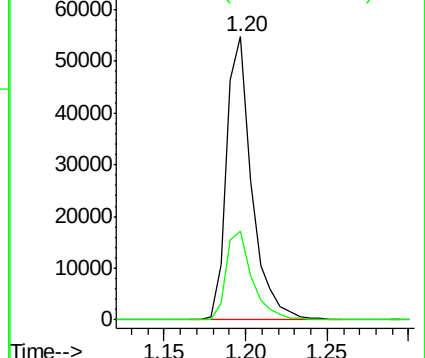
85 100

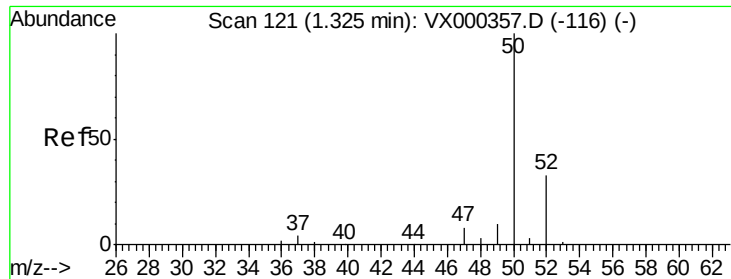
87 31.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.385 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 63531

Ion Ratio Lower Upper

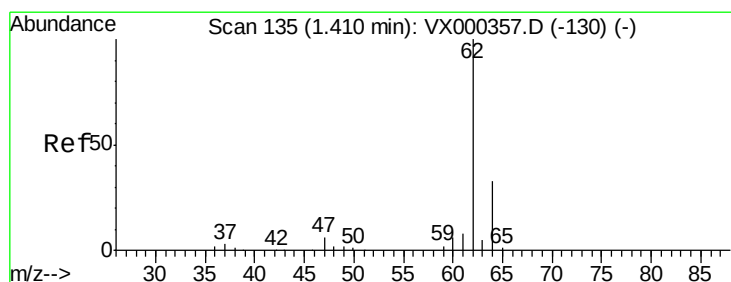
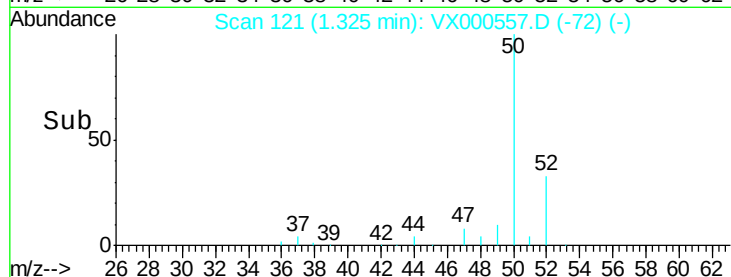
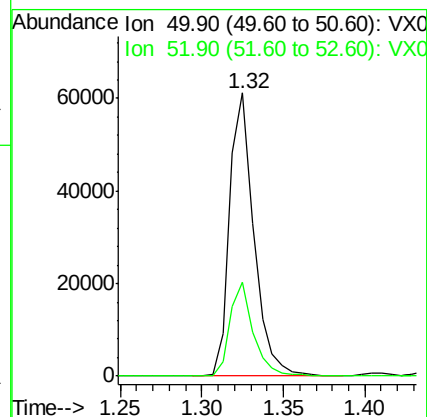
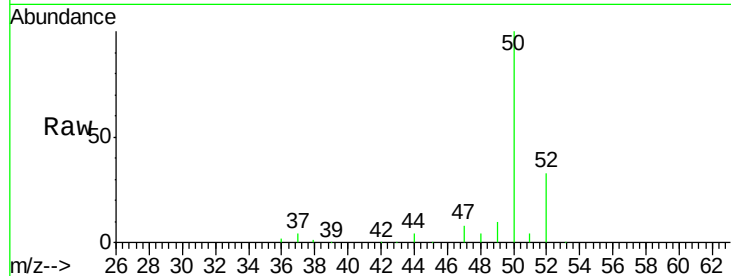
50 100

52 33.2 27.5 41.3

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#4

Vinyl Chloride

Concen: 50.897 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX000557.D

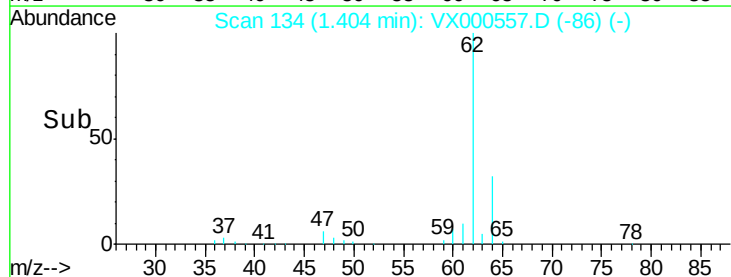
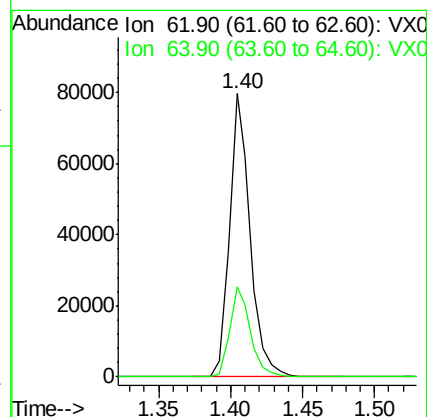
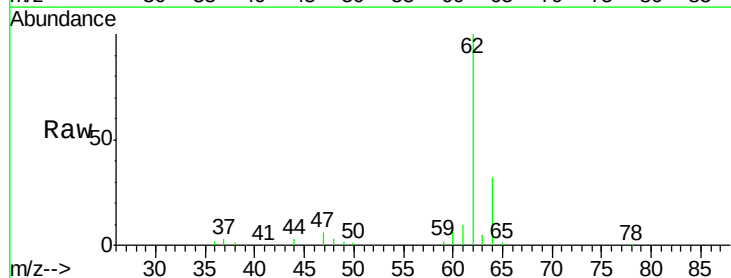
Acq: 30 Mar 2018 13:16

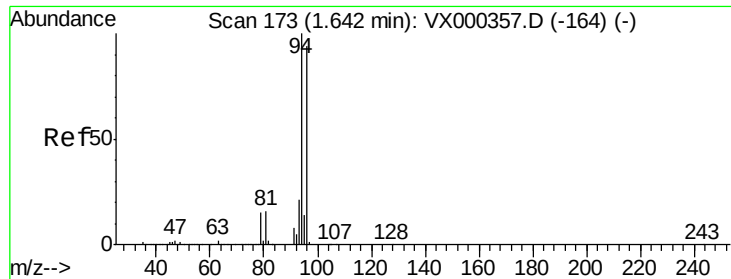
Tgt Ion: 62 Resp: 80611

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 71.256 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 135149

Ion Ratio Lower Upper

94 100

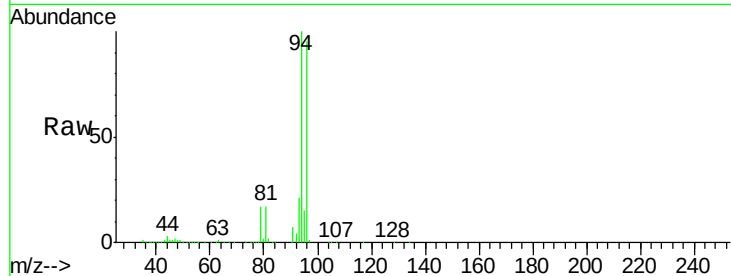
96 95.1 77.7 116.5

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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

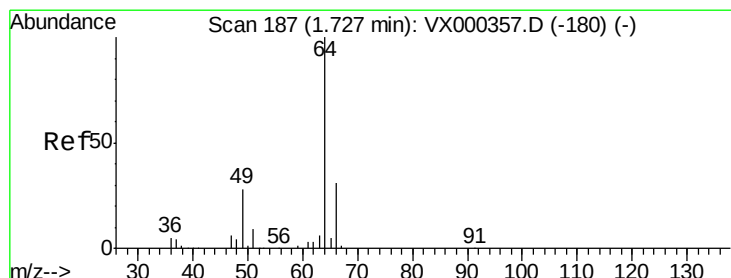
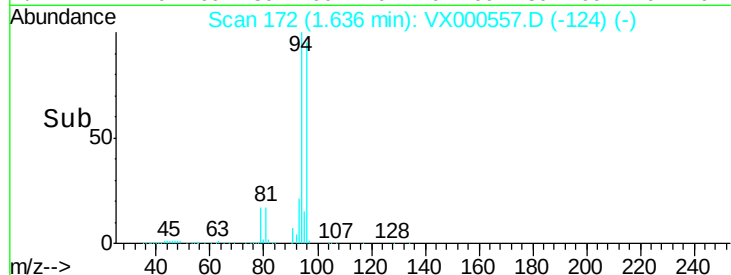
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 61.112 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000557.D

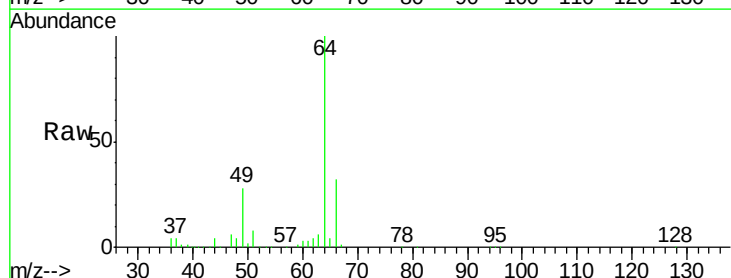
Acq: 30 Mar 2018 13:16

Tgt Ion: 64 Resp: 59243

Ion Ratio Lower Upper

64 100

66 32.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

50000

40000

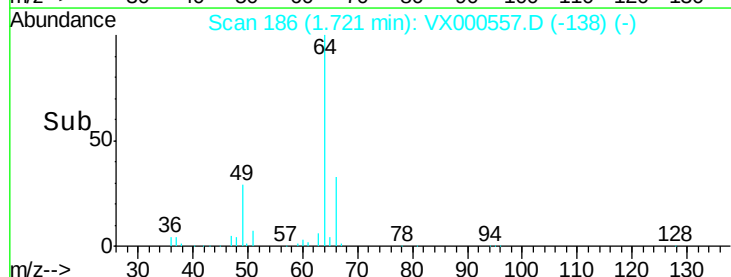
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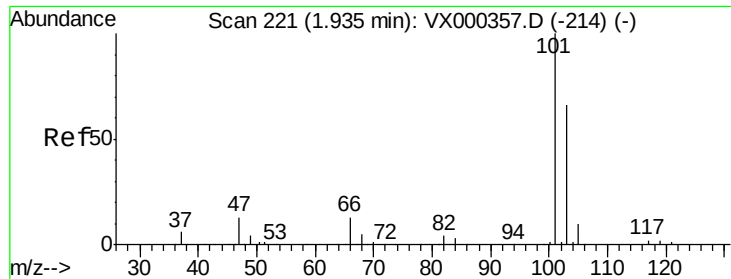
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Time-->





#7

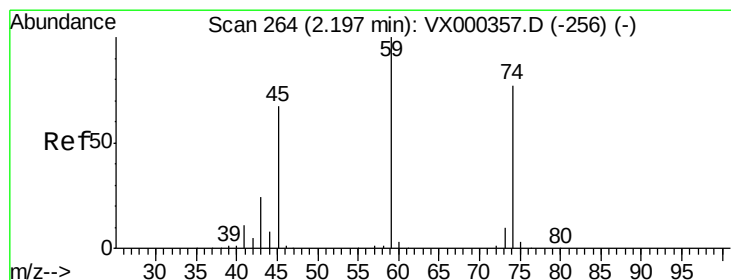
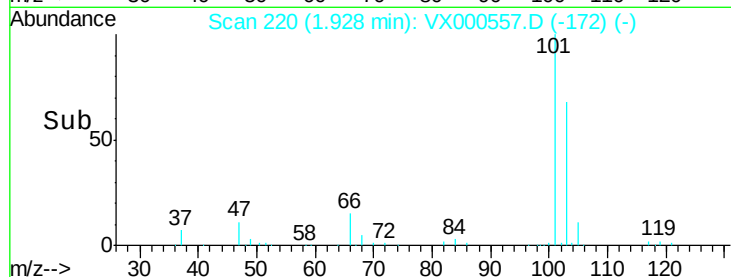
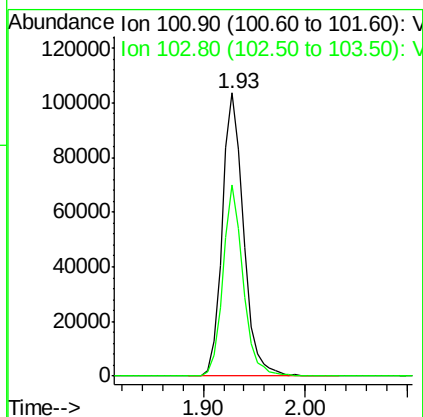
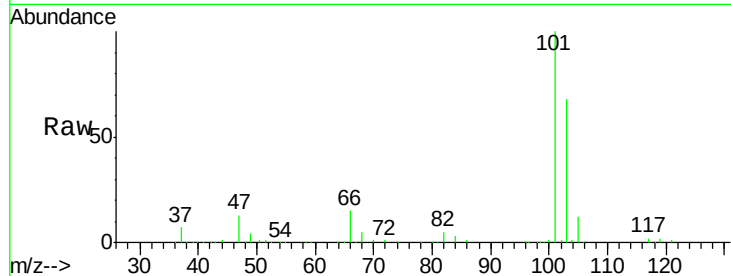
Trichlorofluoromethane
Concen: 52.545 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		150206		
103	67.6	51.6		77.4	

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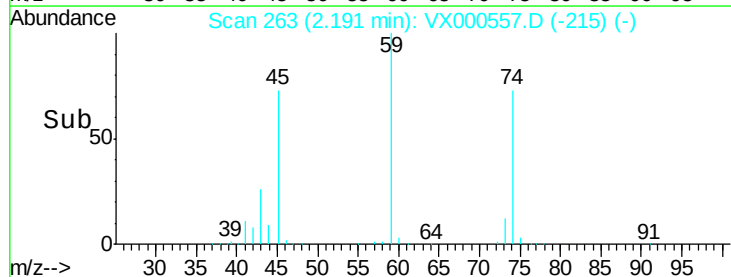
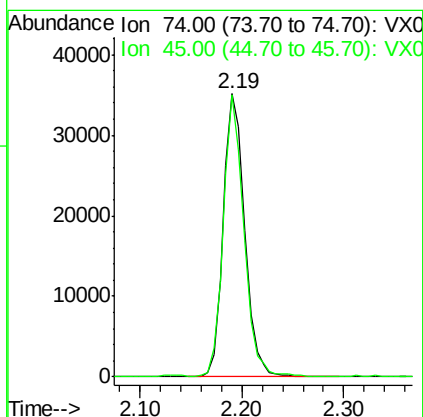
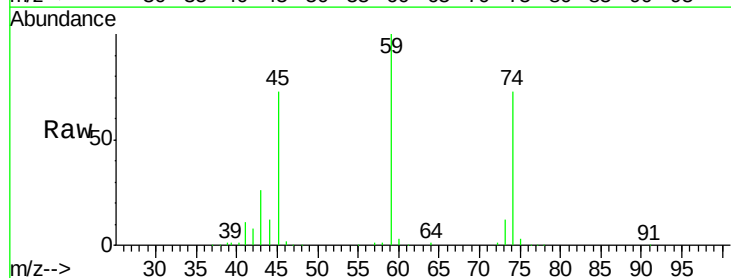
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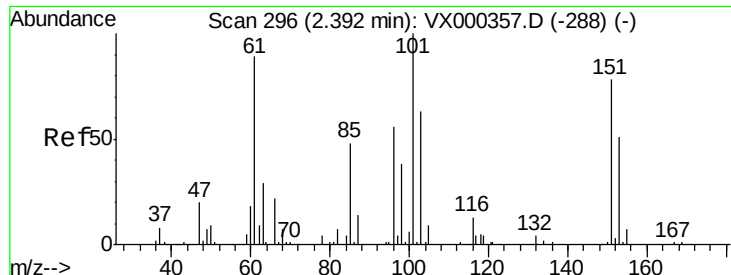


#8

Diethyl Ether
Concen: 50.276 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		51361		
45	95.0	45.1		135.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.329 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

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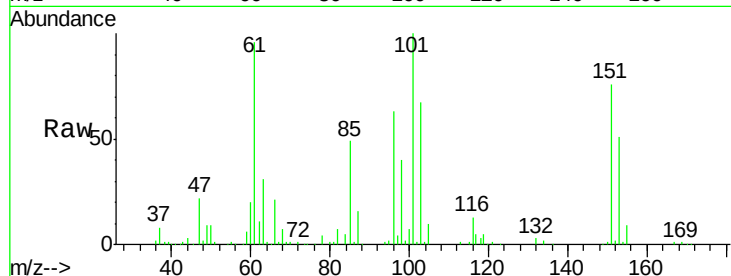
ClientSampled :

VSTDCCC050

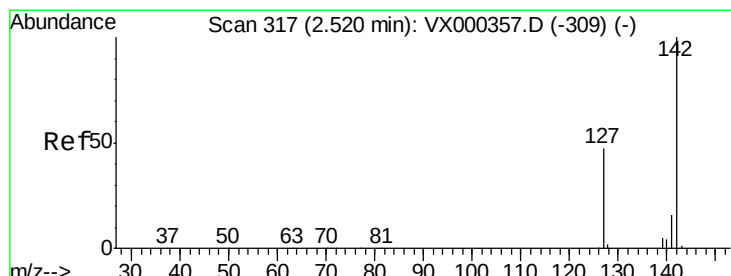
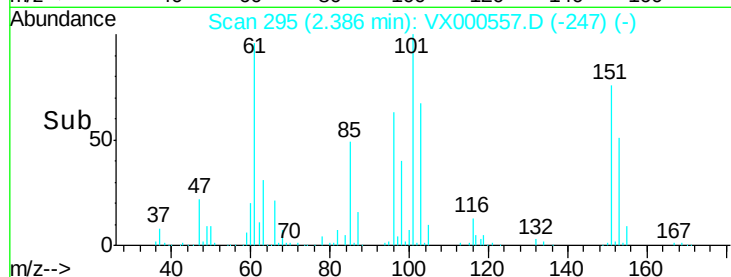
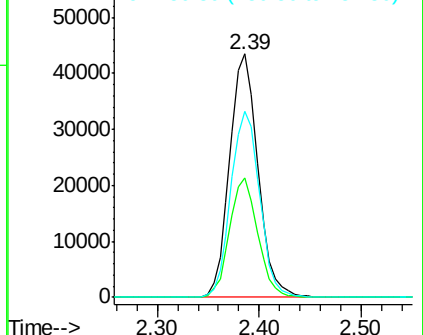
Tot Ion:	101	Resp:	83413
Ion Ratio	Lower	Upper	
101	100		
85	48.9	37.6	56.4
151	77.8	62.6	93.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.665 ug/l

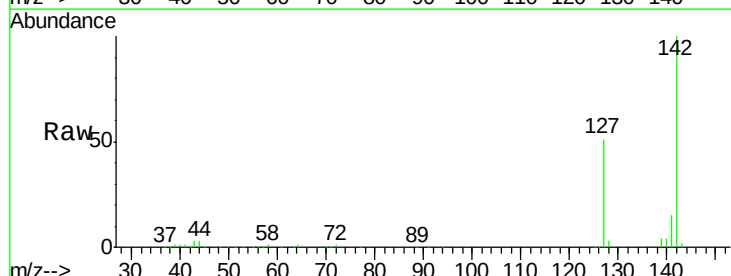
RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

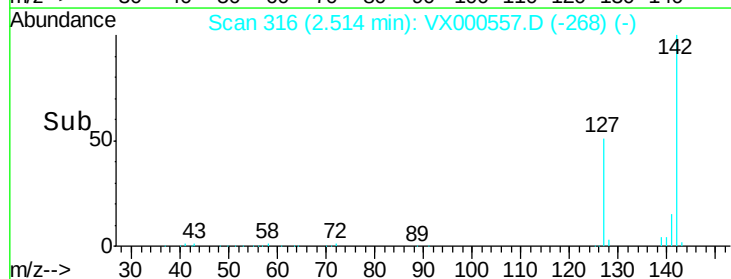
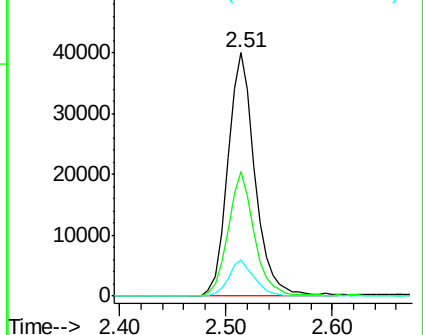
Lab File: VX000557.D

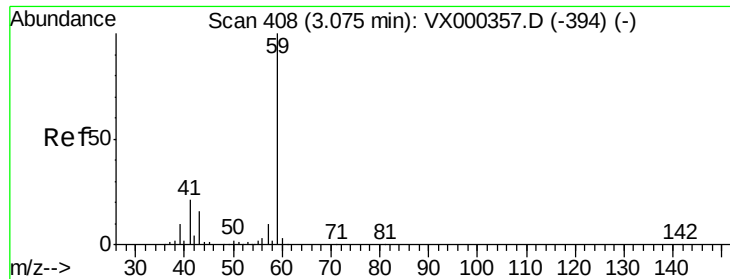
Acq: 30 Mar 2018 13:16

Tgt Ion:	142	Resp:	71483
Ion Ratio	Lower	Upper	
142	100		
127	49.5	39.2	58.8
141	14.2	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





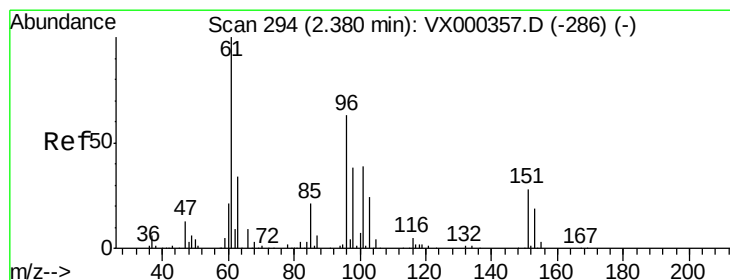
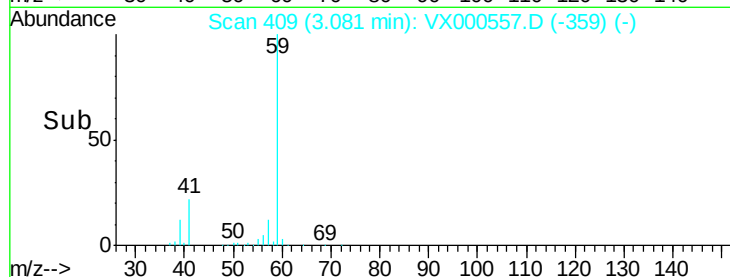
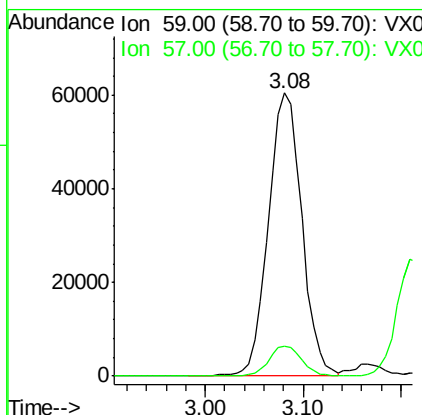
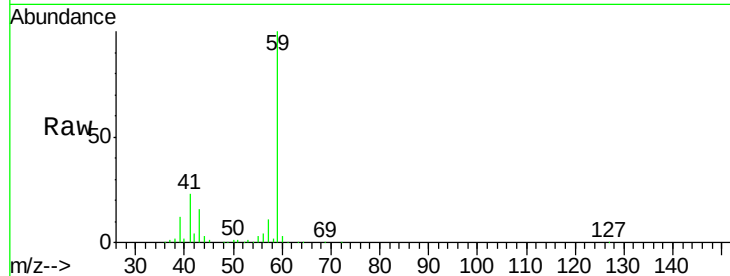
#11
Tert butyl alcohol
Concen: 248.979 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	144325
Ion Ratio	100	Lower	Upper
57	10.4	8.4	12.6

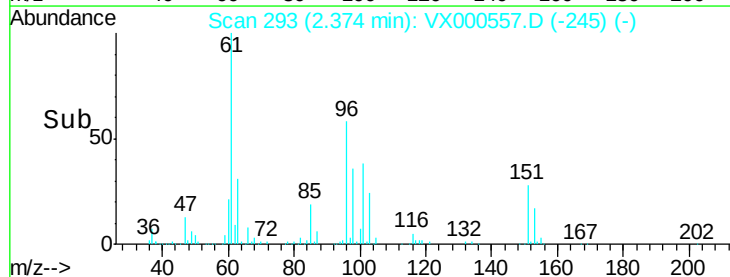
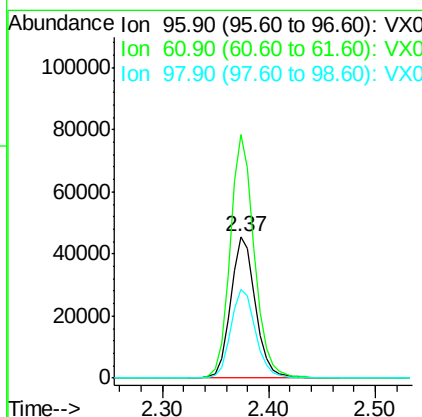
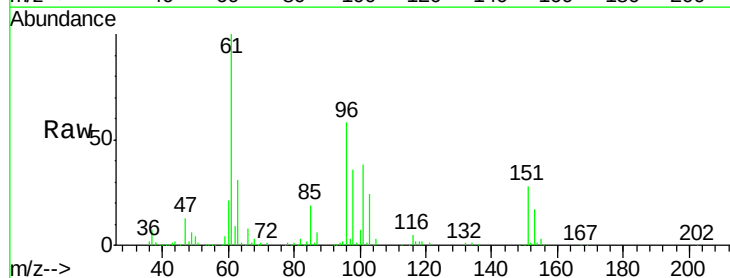
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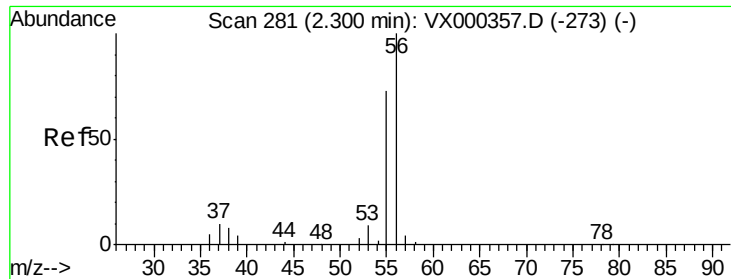
sam
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#12
1,1-Dichloroethene
Concen: 52.932 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	96	Resp	74068
Ion Ratio	100	Lower	Upper
61	172.0	131.2	196.8
98	62.7	49.8	74.8





#13

Acrolein

Concen: 502.761 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 95949

Ion Ratio Lower Upper

56 100

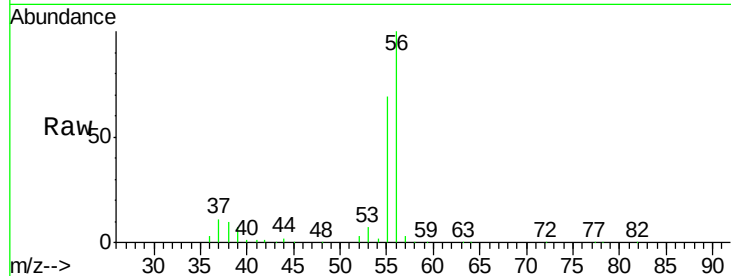
55 71.5 58.8 88.2

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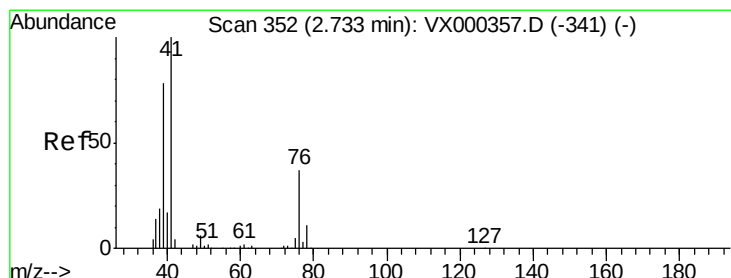
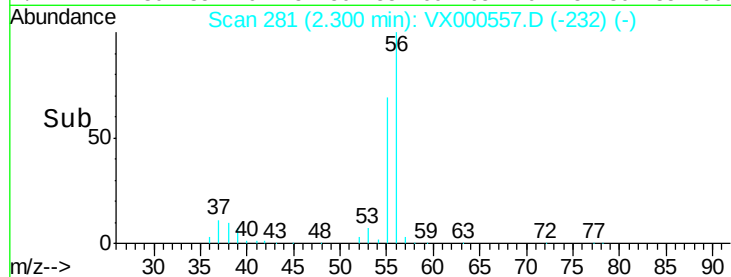
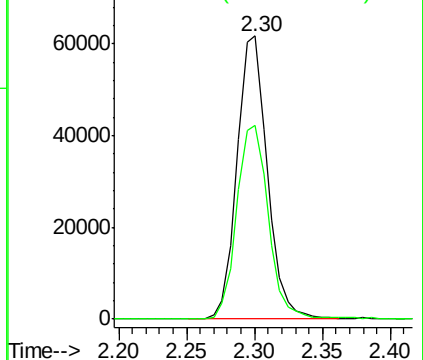
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 54.649 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

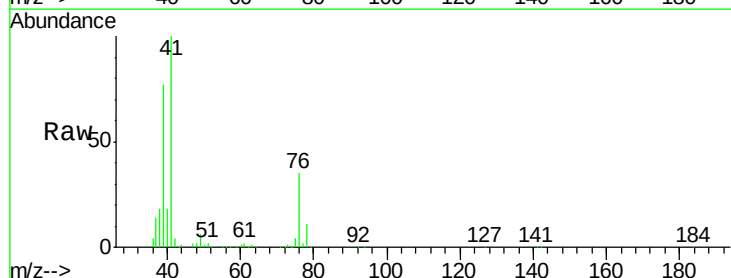
Tgt Ion: 41 Resp: 135039

Ion Ratio Lower Upper

41 100

39 74.1 57.6 86.4

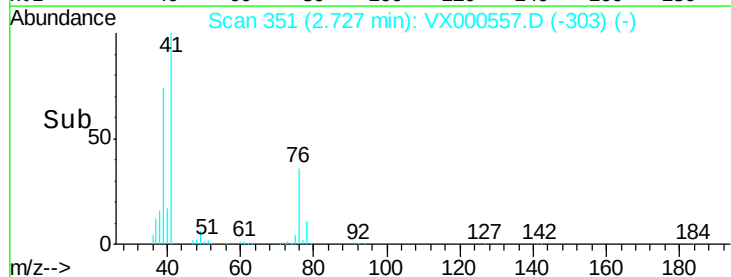
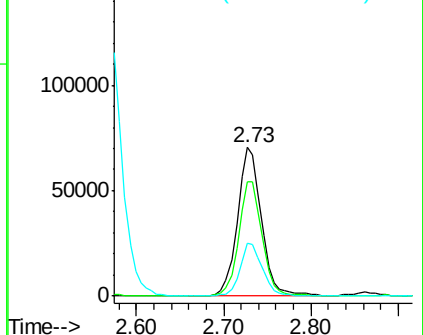
76 33.0 27.3 40.9

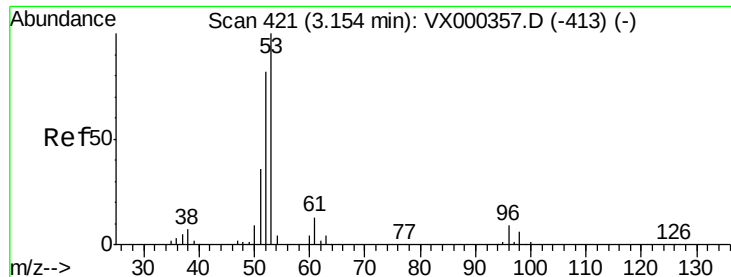


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 257.135 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

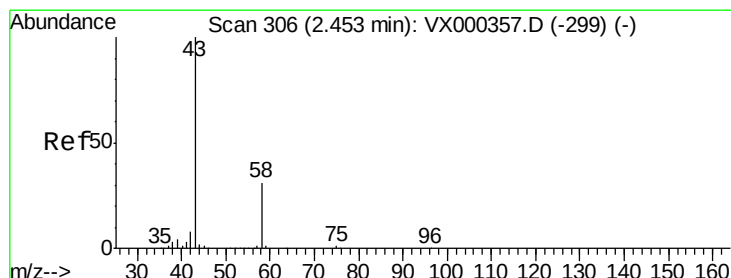
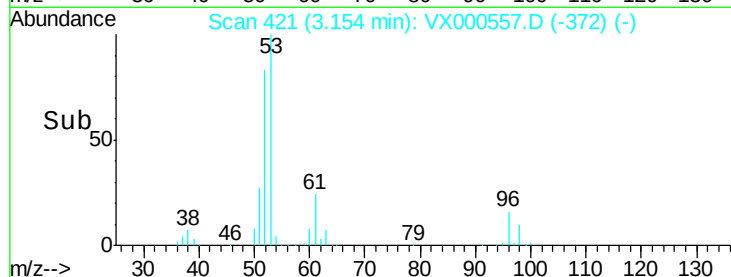
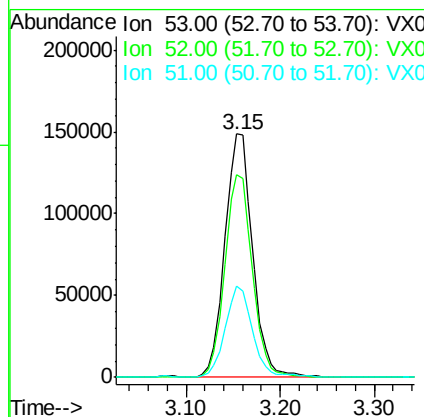
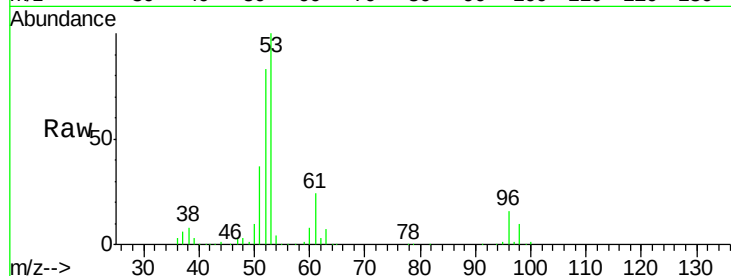
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	301887
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.6	99.8
51	37.4	29.3	43.9

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#16

Acetone

Concen: 319.146 ug/l

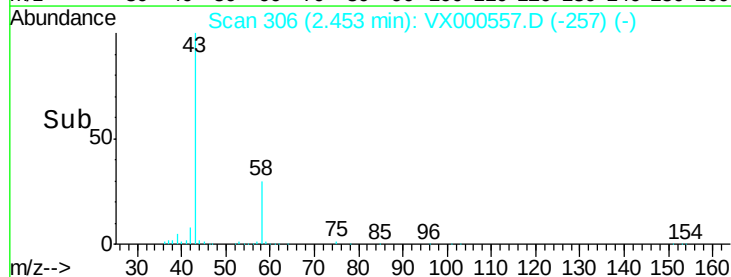
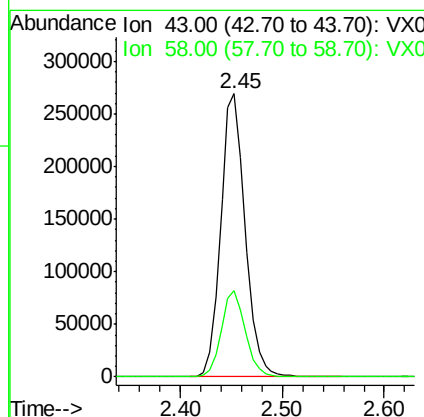
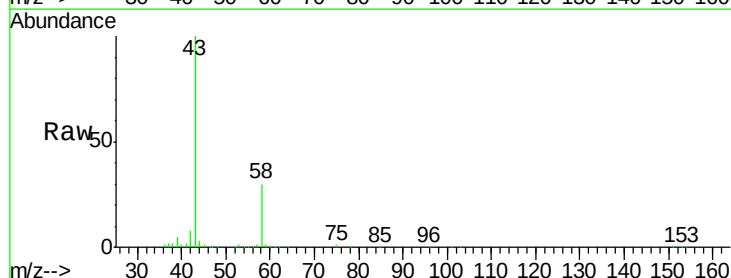
RT: 2.45 min Scan# 306

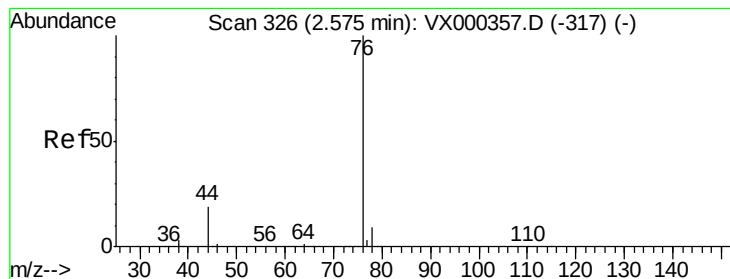
Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Tgt Ion:	43	Resp:	447403
Ion Ratio		Lower	Upper
43	100		
58	30.5	24.7	37.1





#17

Carbon Disulfide

Concen: 53.818 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 200334

Ion Ratio Lower Upper

76 100

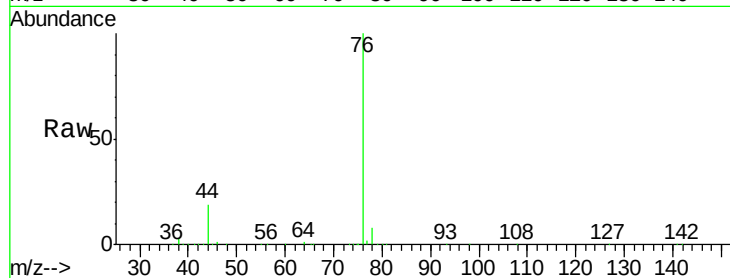
78 8.2 7.0 10.6

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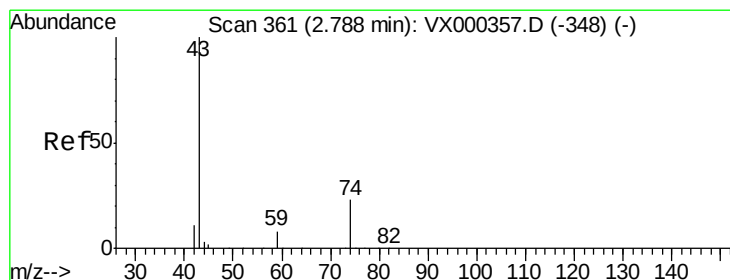
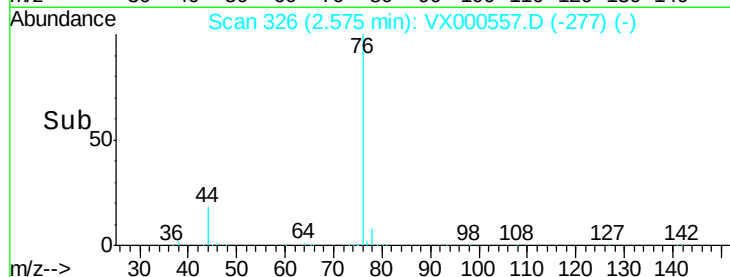
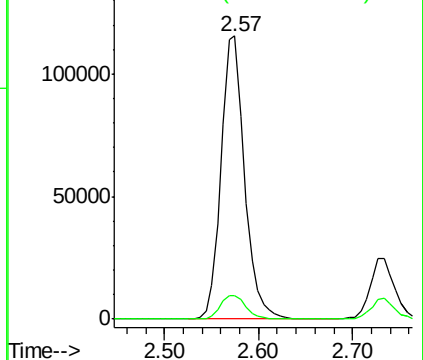
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 49.747 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX000557.D

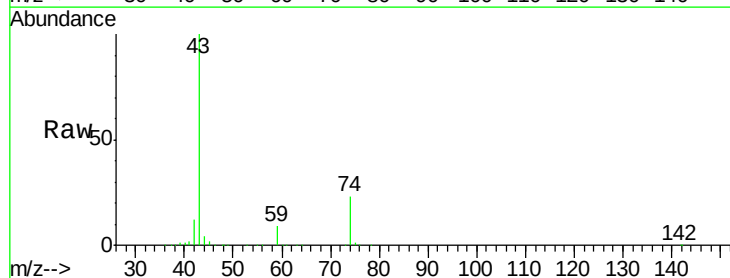
Acq: 30 Mar 2018 13:16

Tgt Ion: 43 Resp: 146208

Ion Ratio Lower Upper

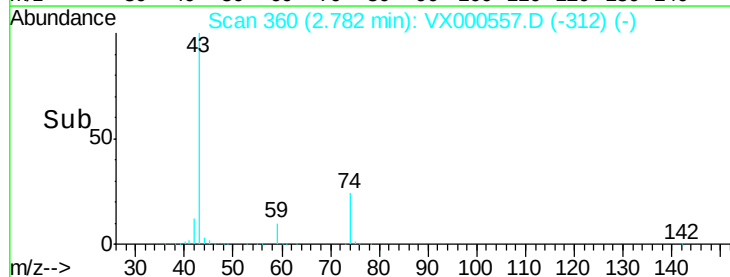
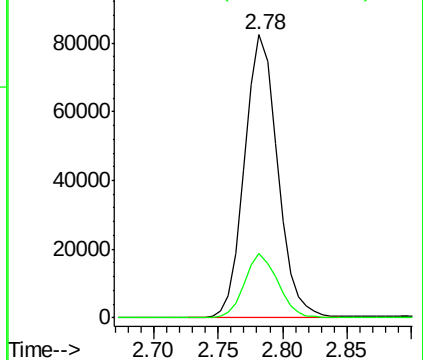
43 100

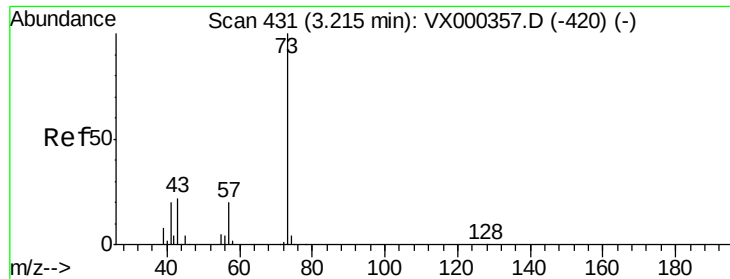
74 23.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





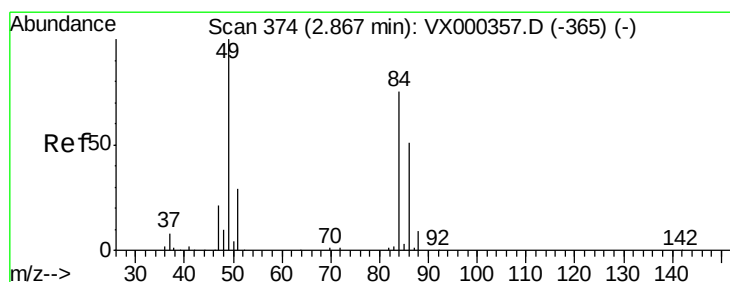
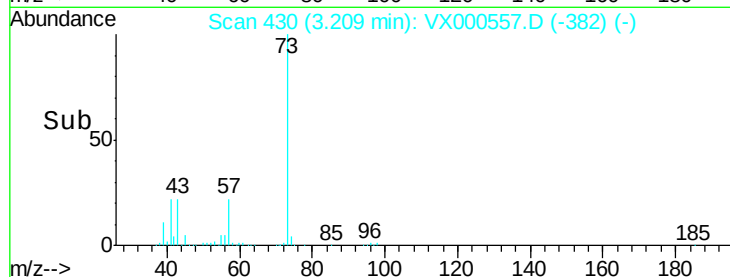
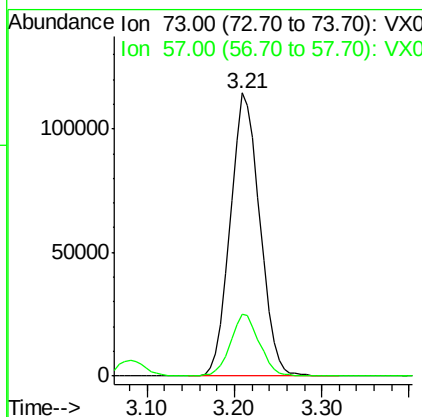
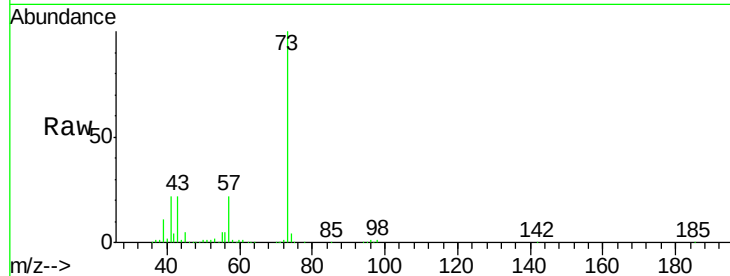
#19
Methyl tert-butyl Ether
Concen: 52.004 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 269138
Ion Ratio Lower Upper
73 100
57 21.7 17.2 25.8

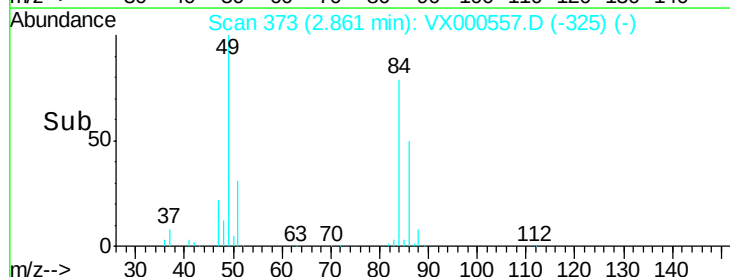
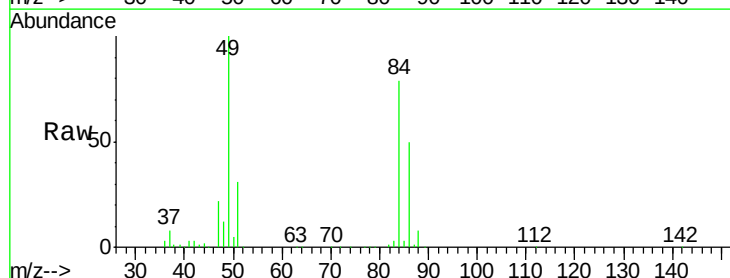
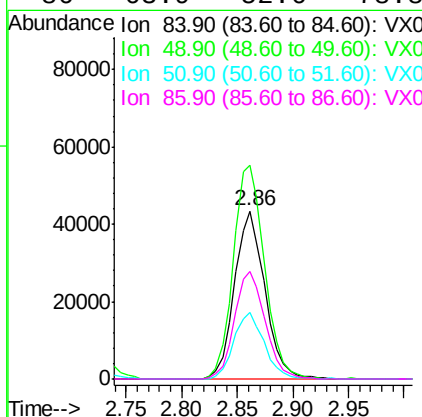
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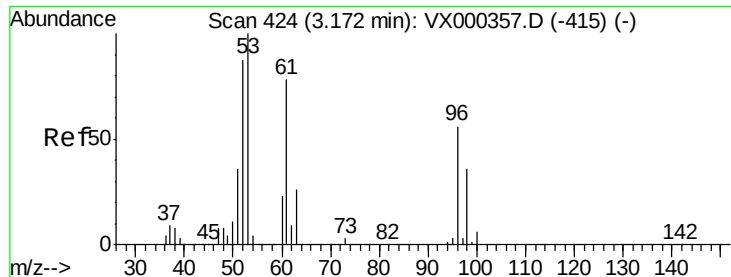
sam
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#20
Methylene Chloride
Concen: 50.464 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion: 84 Resp: 81710
Ion Ratio Lower Upper
84 100
49 127.1 100.6 151.0
51 39.7 31.6 47.4
86 63.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 53.377 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

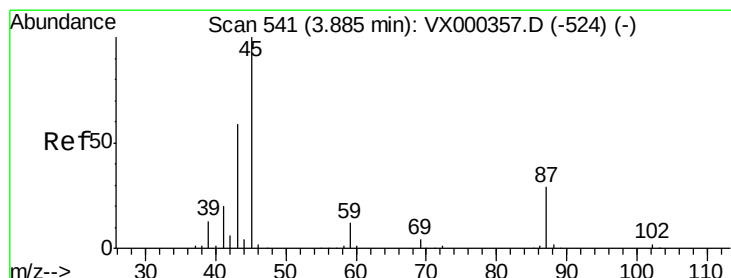
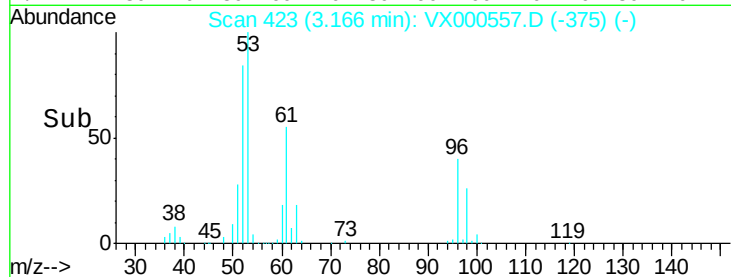
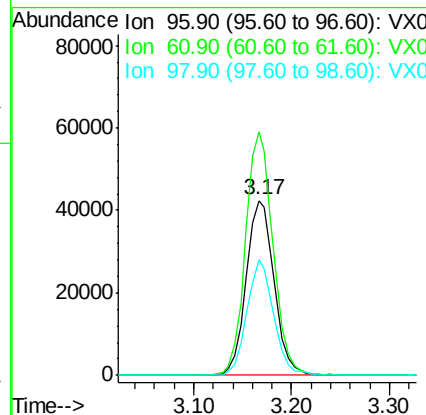
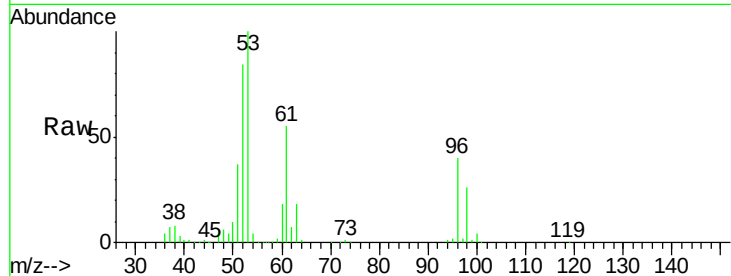
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	83319
Ion	Ratio	Lower	Upper
96	100		
61	139.2	104.0	156.0
98	66.1	52.1	78.1

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#22

Diisopropyl ether

Concen: 48.912 ug/l

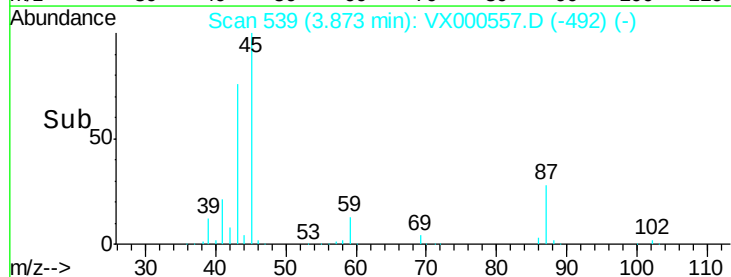
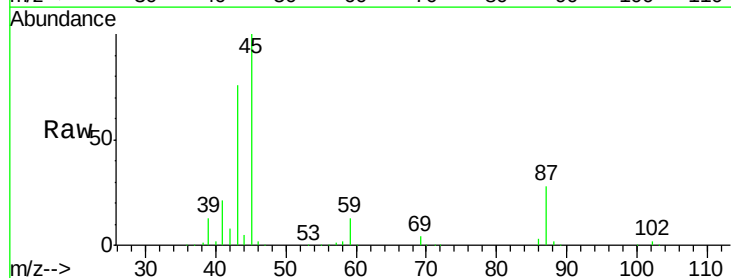
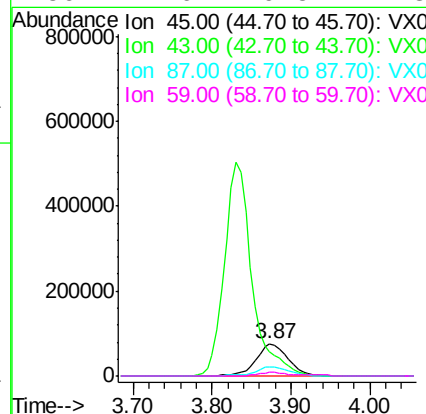
RT: 3.87 min Scan# 539

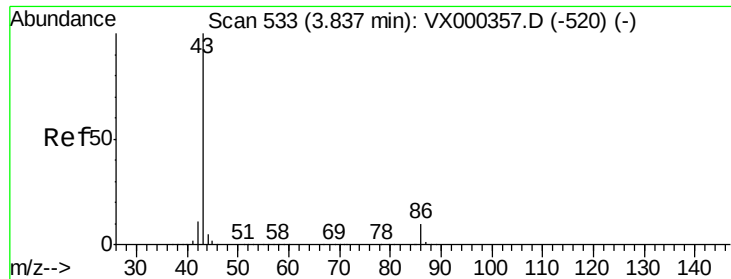
Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Tgt Ion:	45	Resp:	213958
Ion	Ratio	Lower	Upper
45	100		
43	75.3	53.9	80.9
87	28.4	22.6	34.0
59	12.6	9.5	14.3





#23

Vinyl Acetate

Concen: 296.763 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1230636

Ion Ratio Lower Upper

43 100

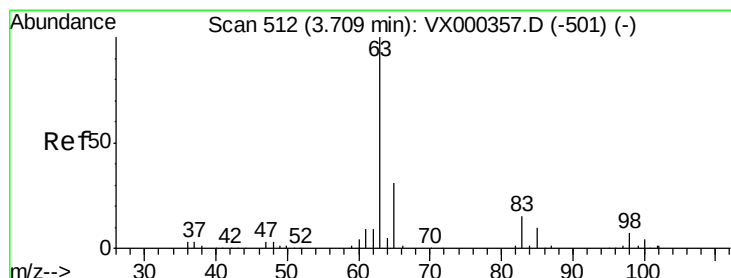
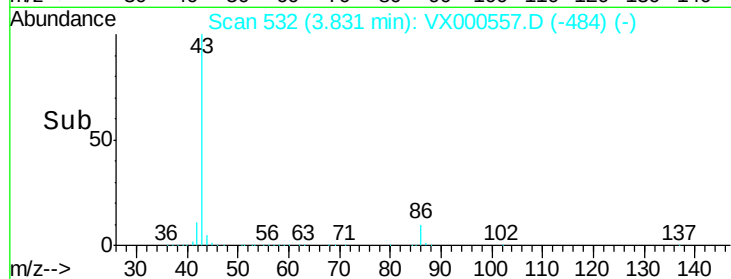
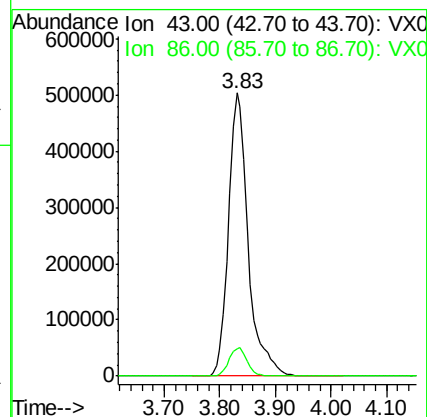
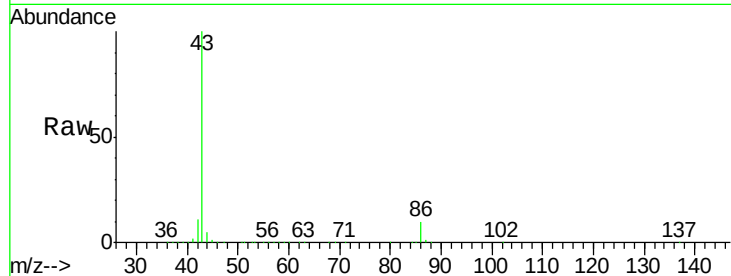
86 9.8 8.6 12.8

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#24

1,1-Dichloroethane

Concen: 53.193 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

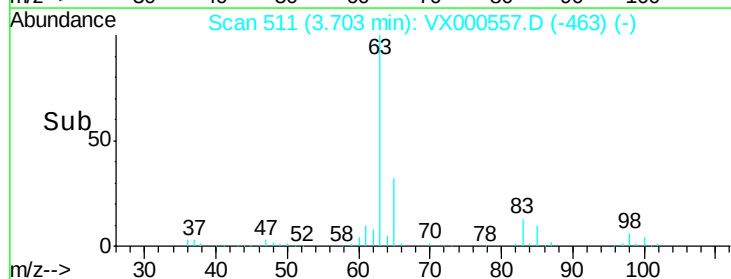
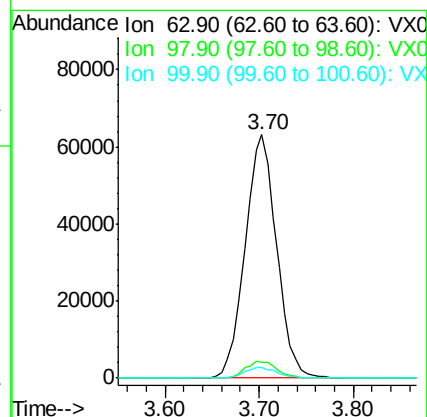
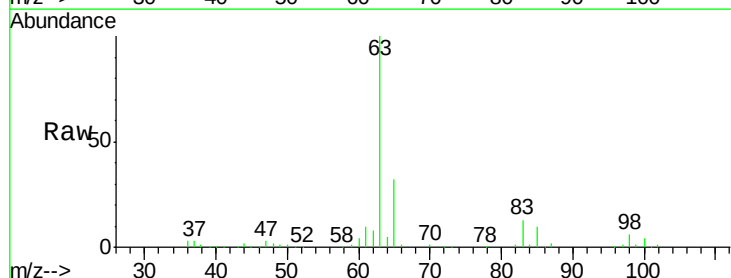
Tgt Ion: 63 Resp: 146293

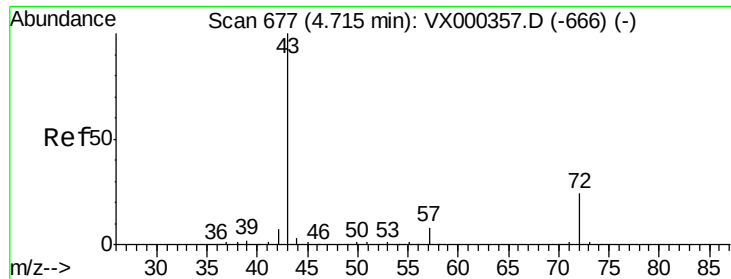
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 256.162 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 403641

Ion Ratio Lower Upper

43 100

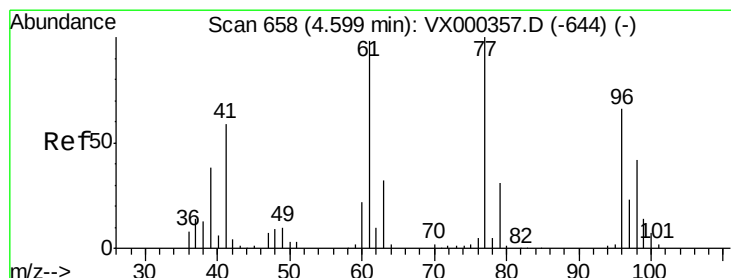
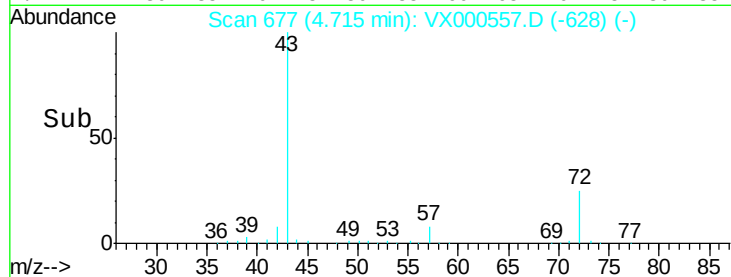
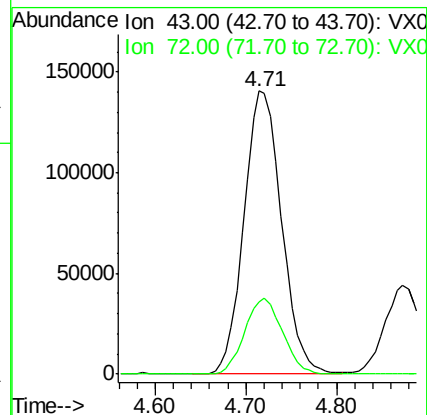
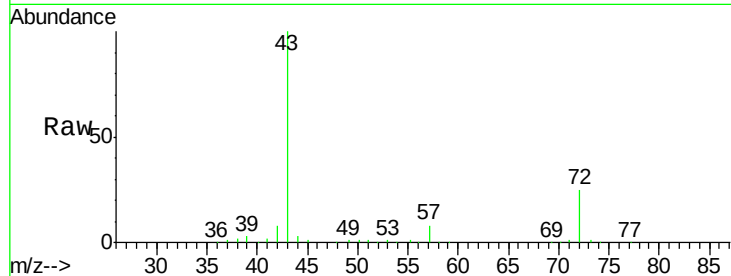
72 25.5 21.0 31.6

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 46.366 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX000557.D

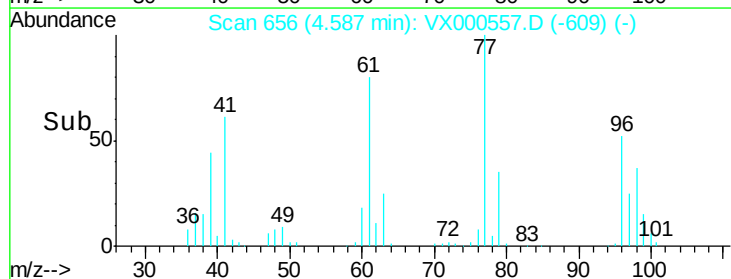
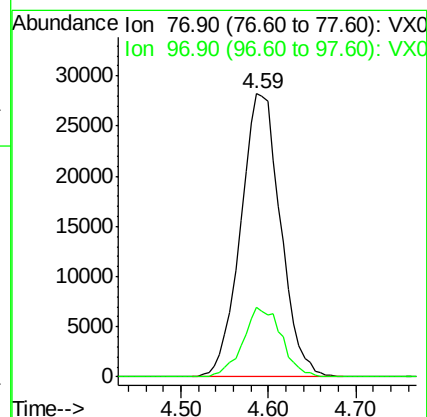
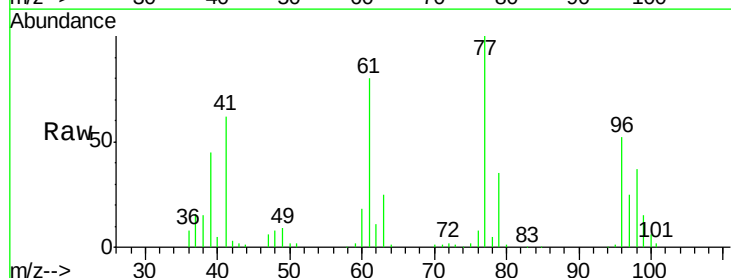
Acq: 30 Mar 2018 13:16

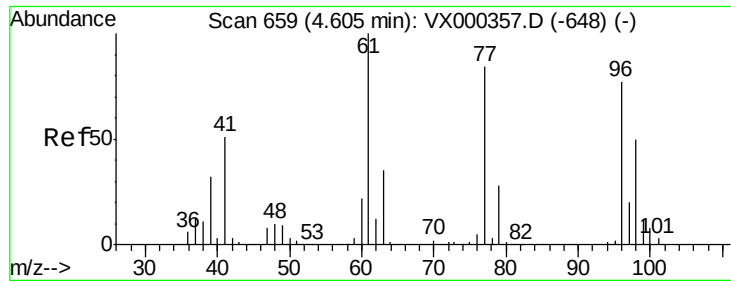
Tgt Ion: 77 Resp: 89376

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.8





#27

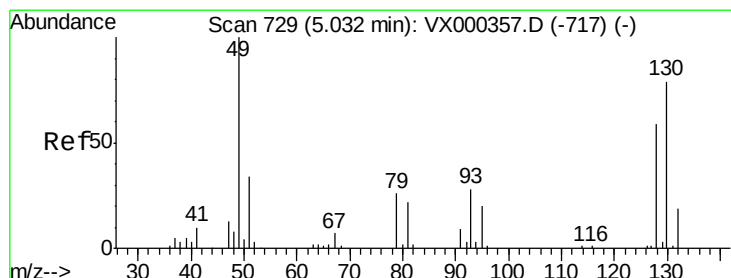
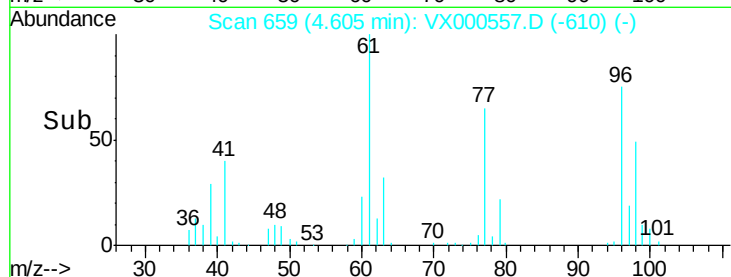
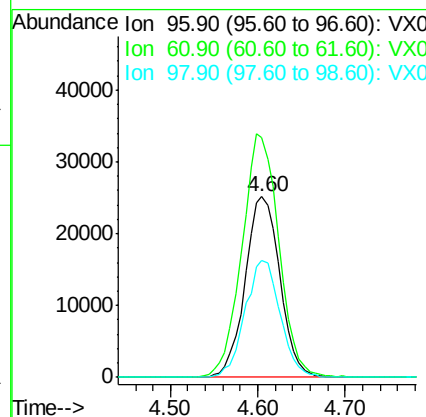
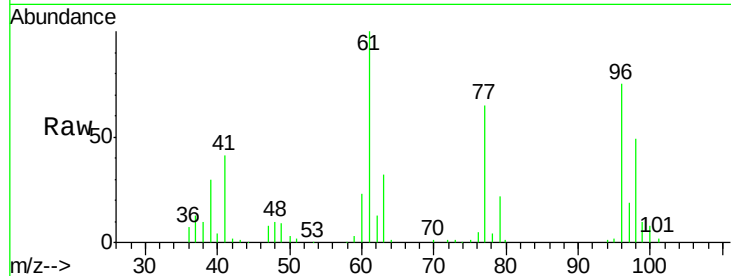
cis-1,2-Dichloroethene
Concen: 47.748 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	291.6
98	65.1	0.0	132.0

Manual Integrations
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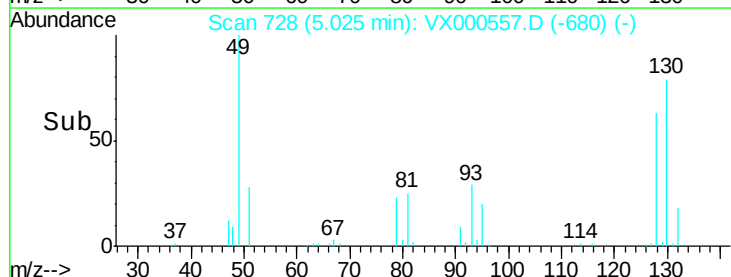
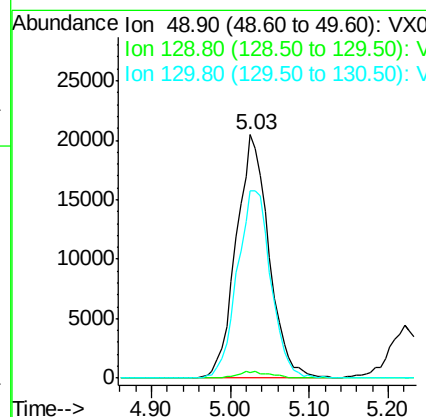
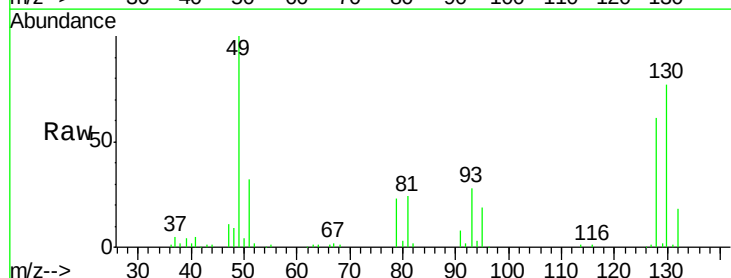
sam
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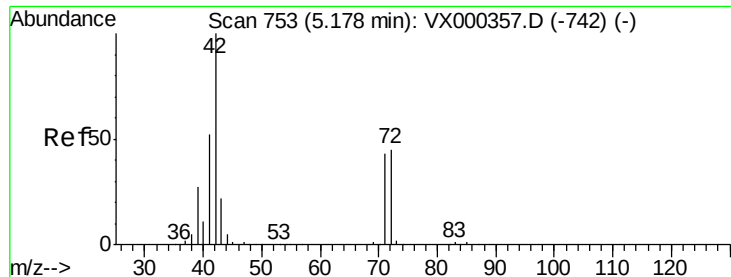


#28

Bromochloromethane
Concen: 52.031 ug/l
RT: 5.03 min Scan# 728
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	79.0	64.0	96.0





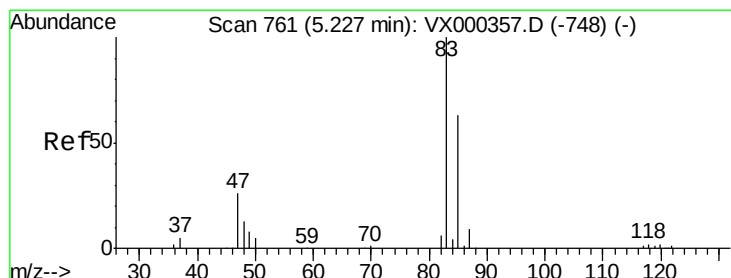
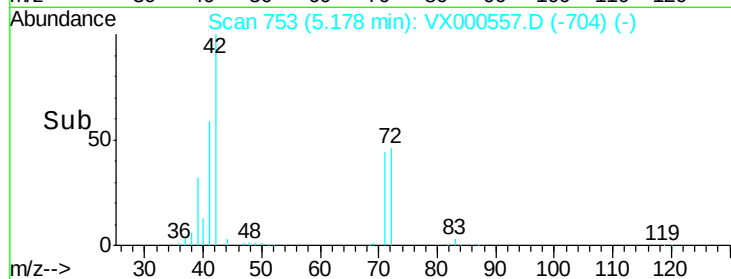
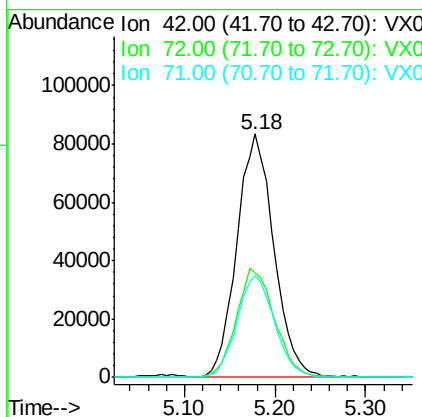
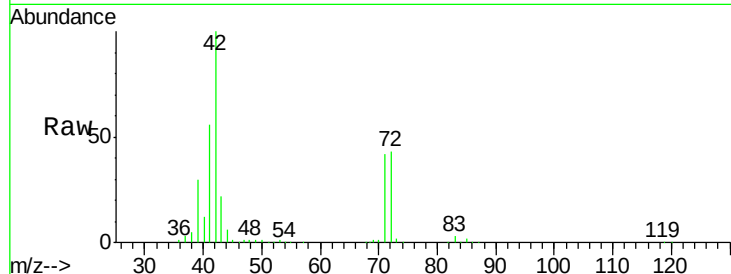
#29
Tetrahydrofuran
Concen: 242.546 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.9	56.9
71	42.5	34.4	51.6

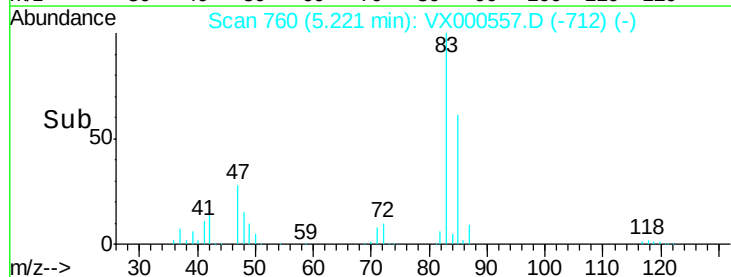
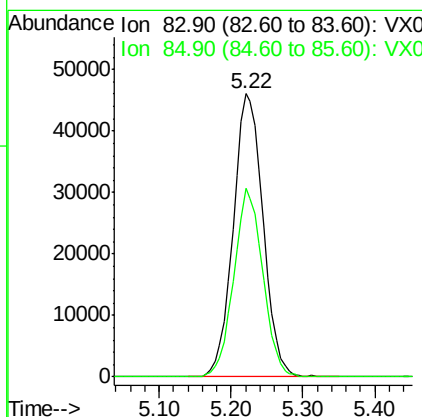
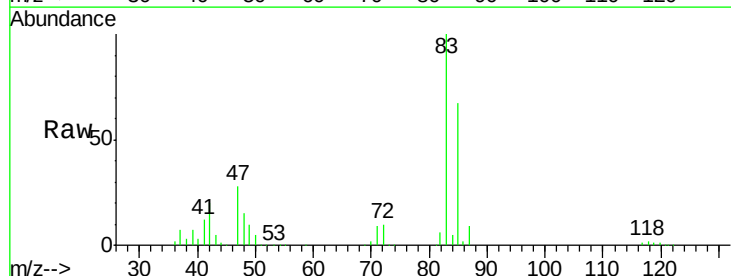
Manual Integrations
APPROVED

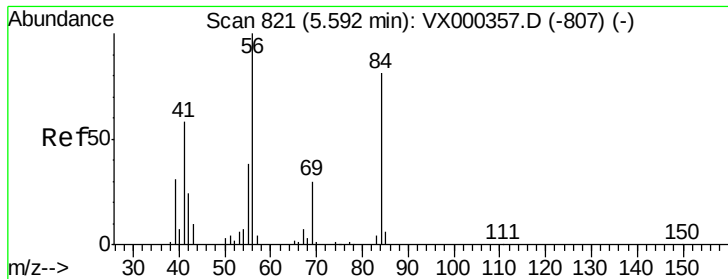
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#30
Chloroform
Concen: 51.305 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.3	79.9





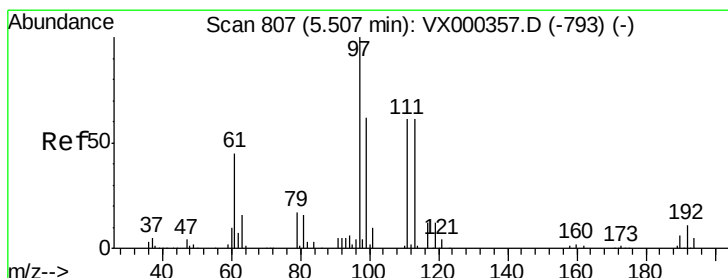
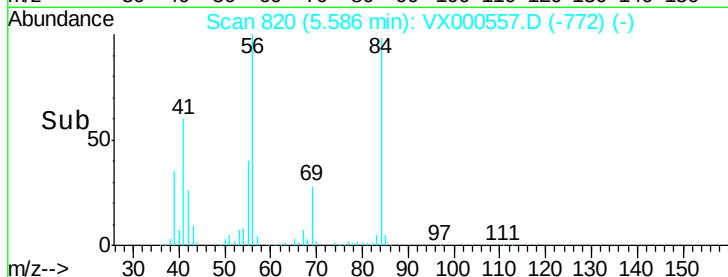
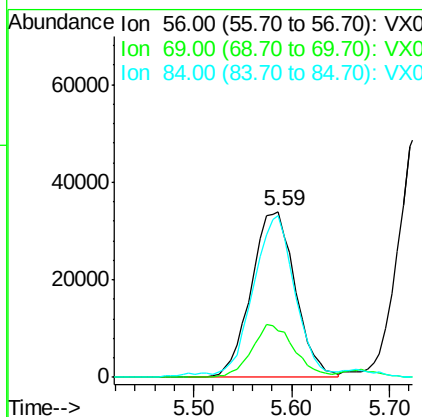
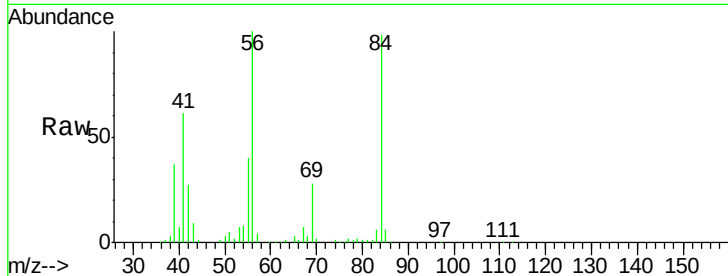
#31
Cyclohexane
Concen: 50.334 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.4	35.0
84	95.3	71.0	106.4

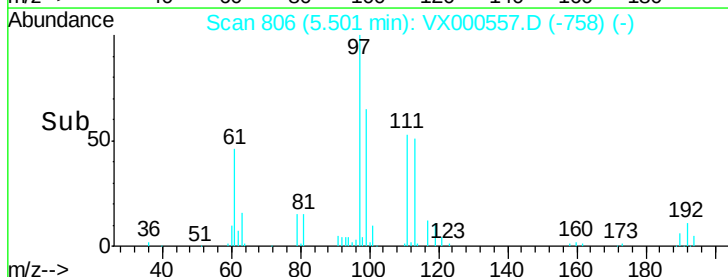
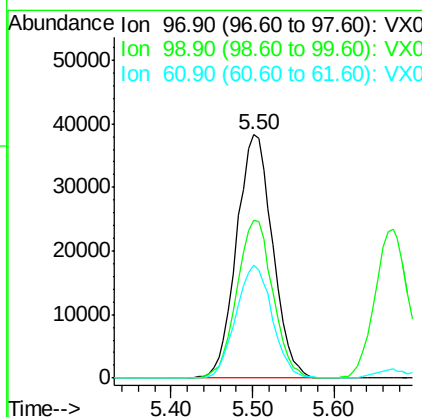
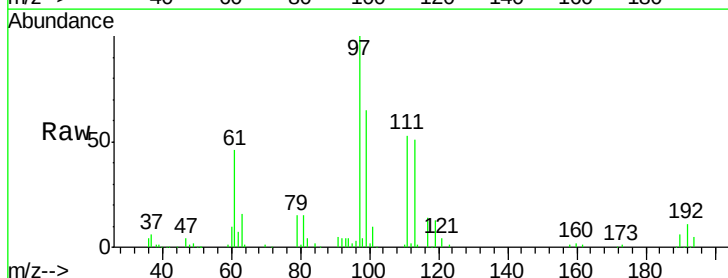
Manual Integrations
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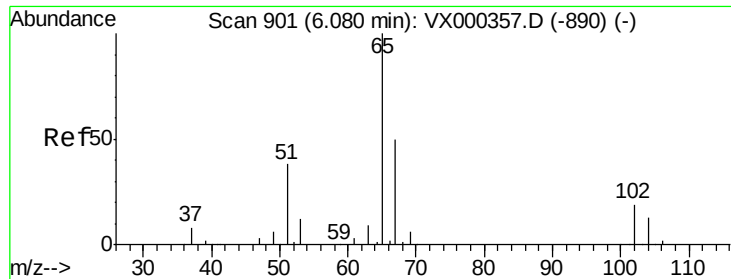
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#32
1,1,1-Trichloroethane
Concen: 50.478 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	46.7	36.2	54.4





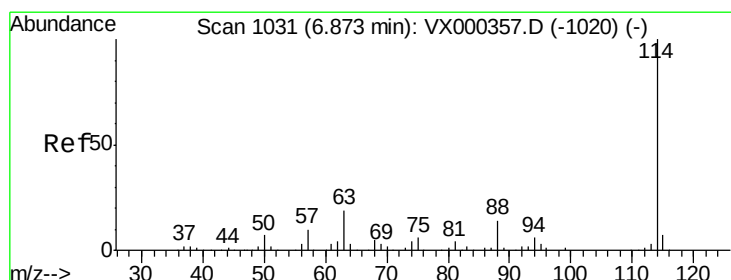
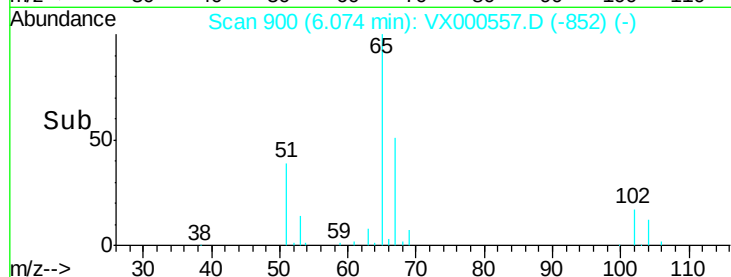
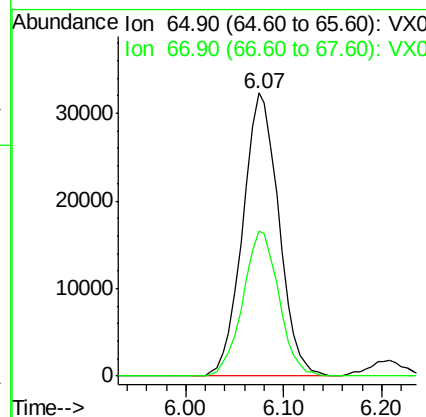
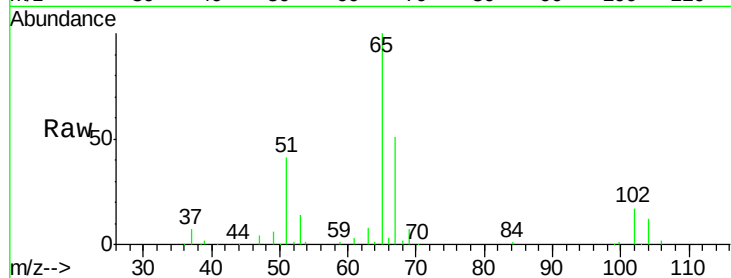
#33
 1,2-Dichloroethane-d4
 Concen: 49.263 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.2

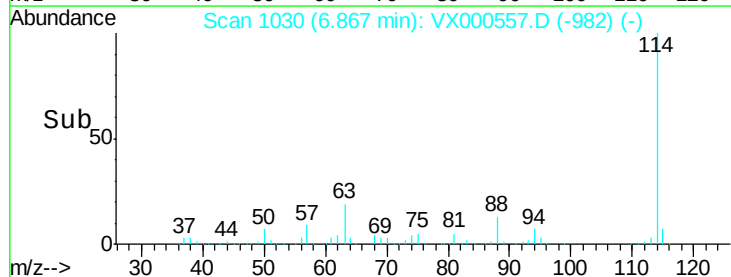
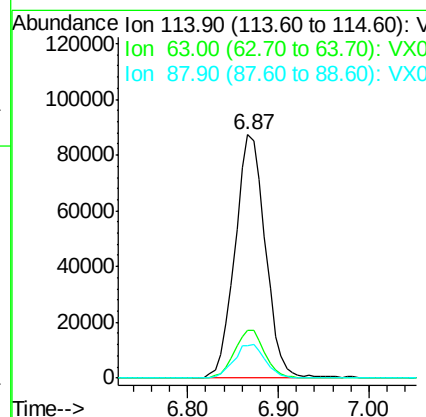
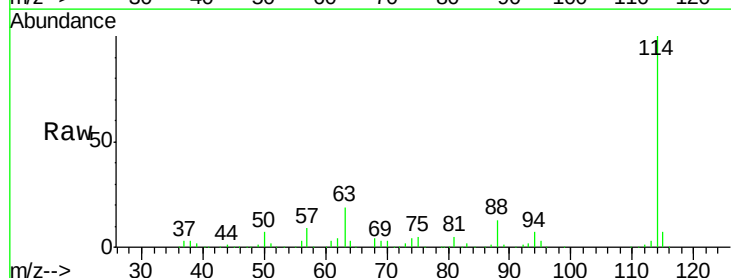
Manual Integrations
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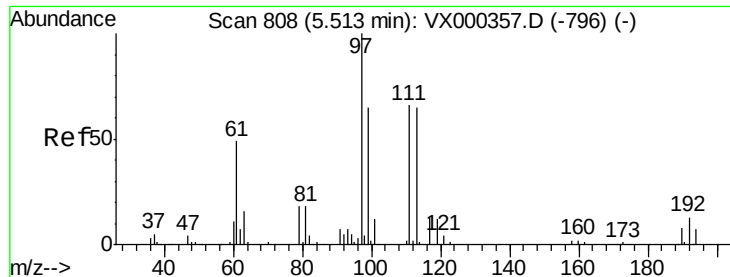
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.4
88	13.5	0.0	27.0





#35

Dibromofluoromethane

Concen: 51.776 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

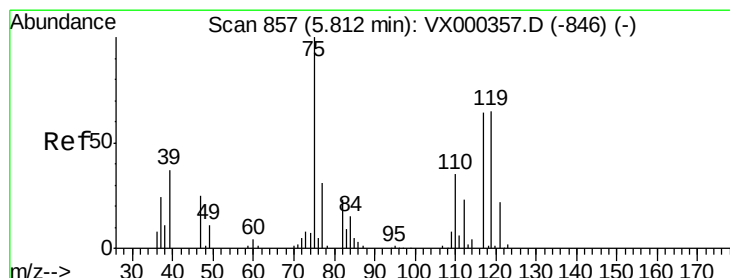
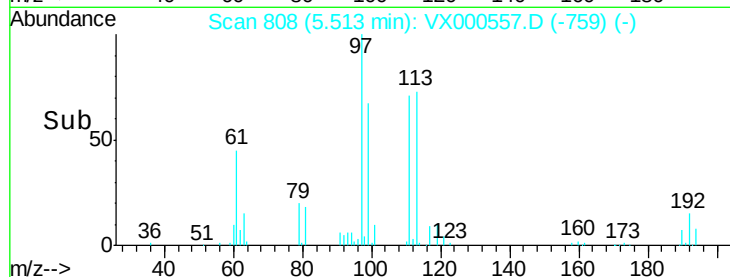
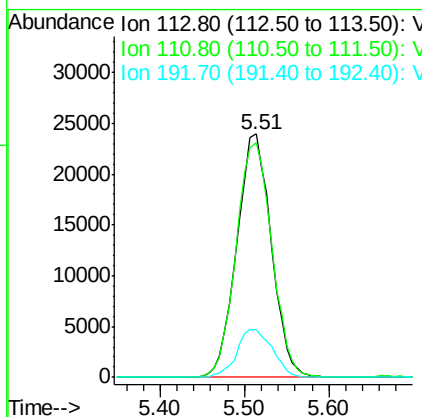
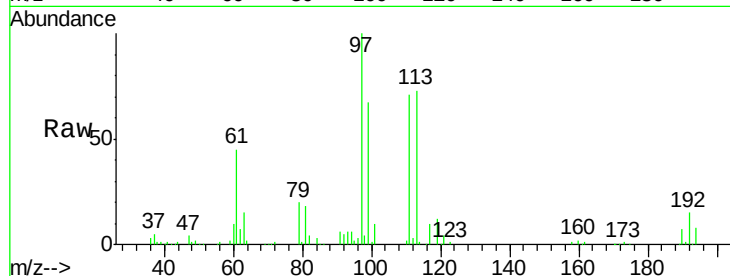
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	66241
Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.4	123.6
192	20.4	15.8	23.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.236 ug/l

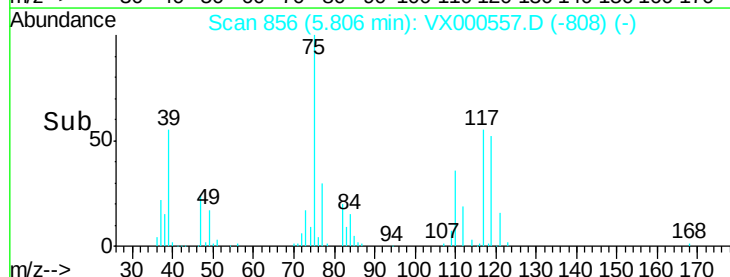
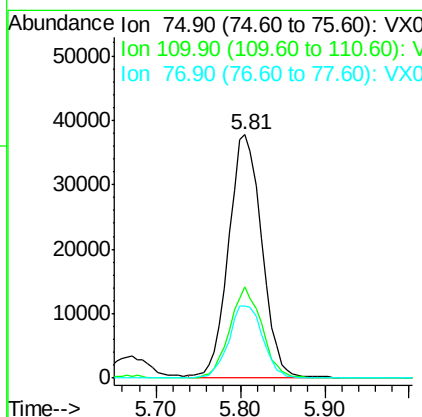
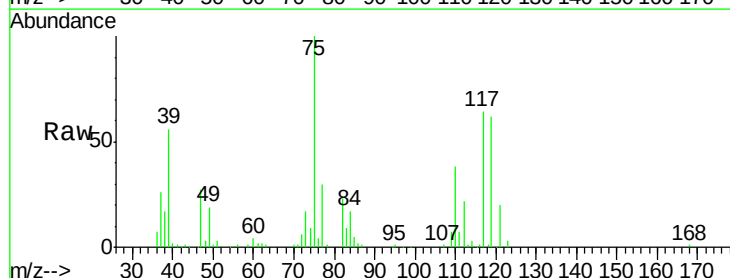
RT: 5.81 min Scan# 856

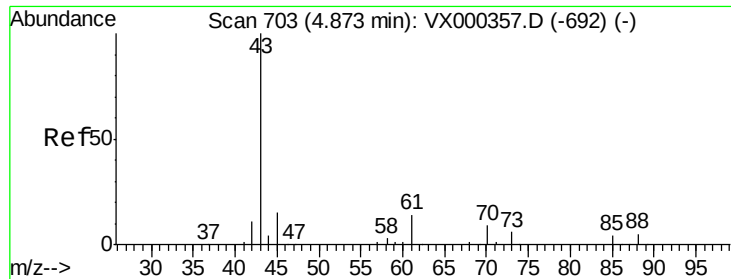
Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Tgt Ion:	75	Resp:	101253
Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.9	53.7
77	30.5	24.0	36.0





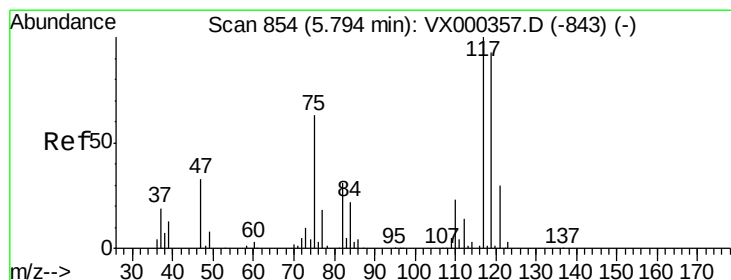
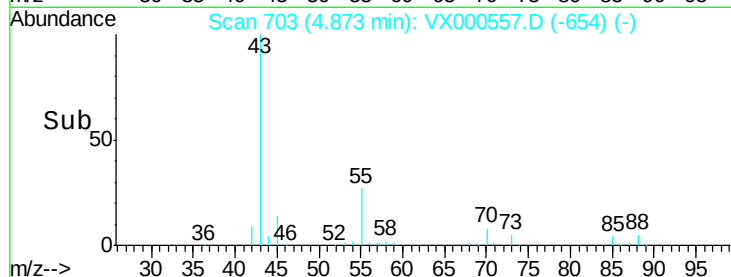
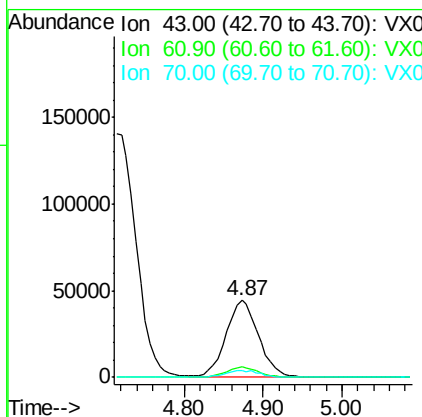
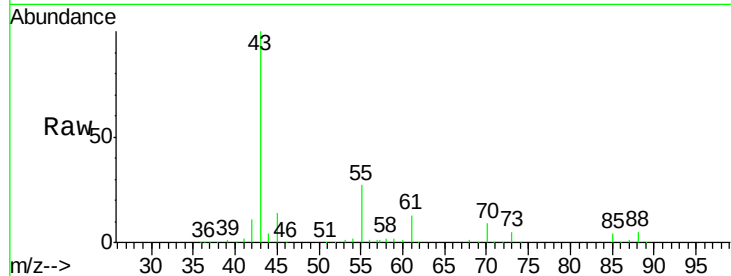
#37
Ethyl Acetate
Concen: 49.083 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.1	16.7
70	9.2	7.7	11.5

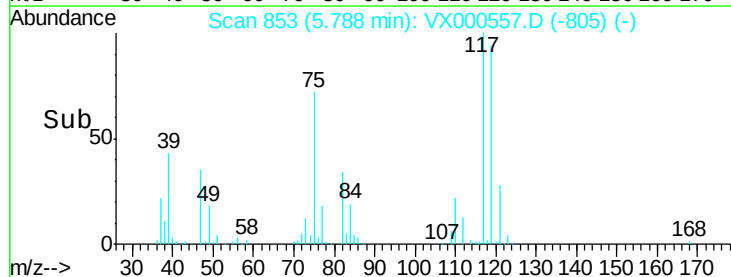
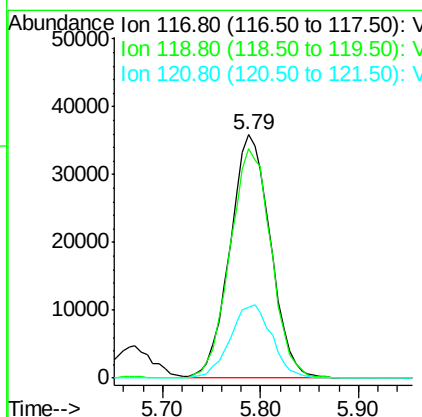
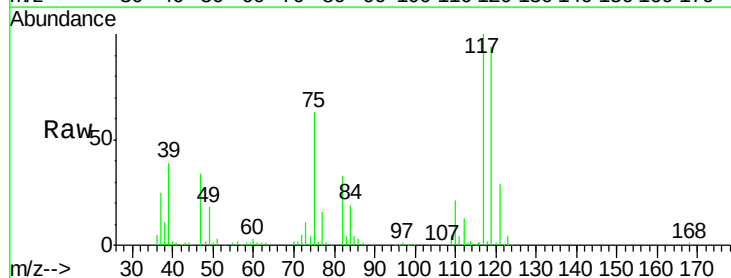
Manual Integrations
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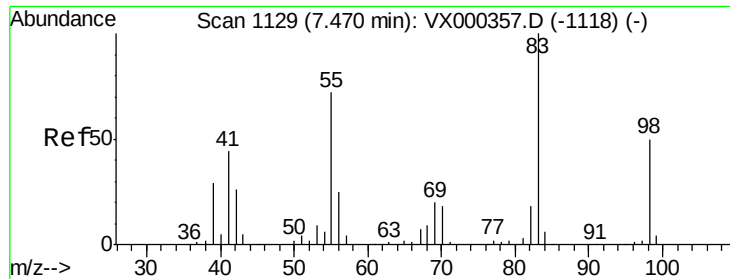
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#38
Carbon Tetrachloride
Concen: 51.704 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.4	116.2
121	28.9	24.8	37.2





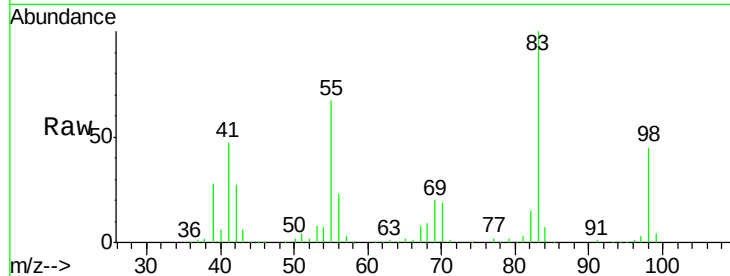
#39
Methylvlcyclohexane
Concen: 54.243 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

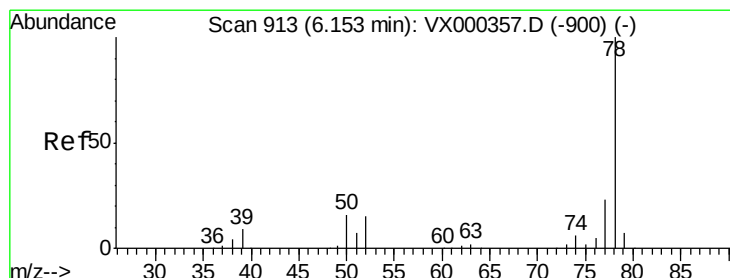
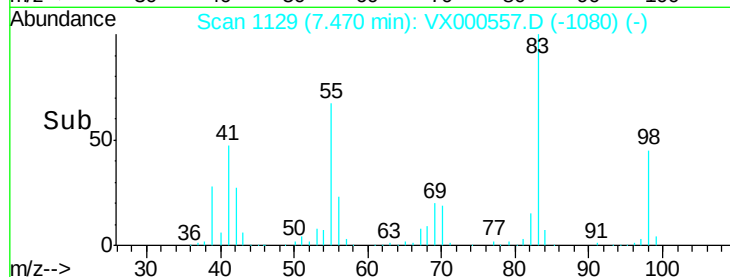
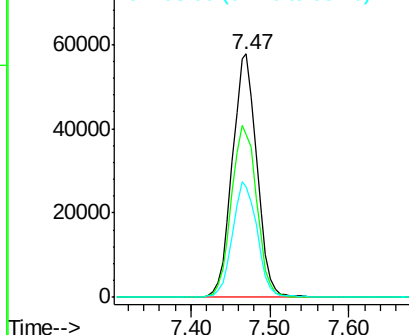
Tot Ion	Ratio	Lower	Upper
83	100		
55	66.8	55.5	83.3
98	45.2	38.2	57.4

Manual Integrations
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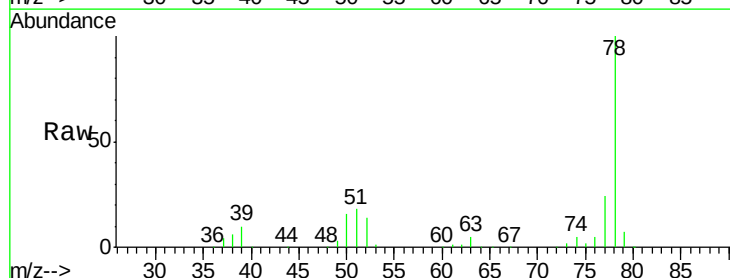


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

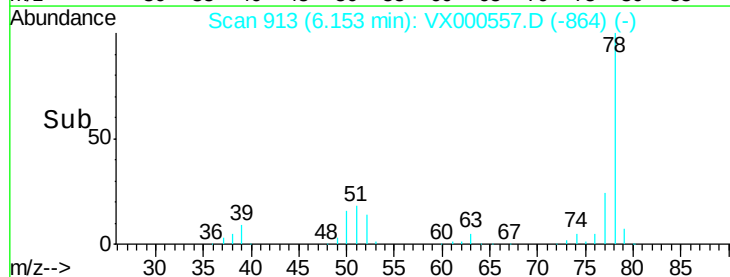
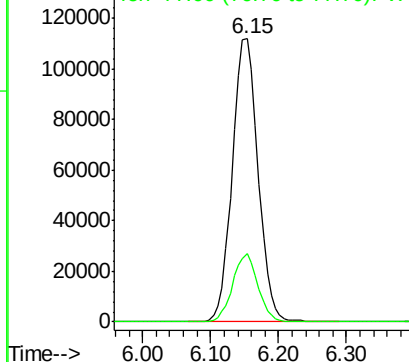


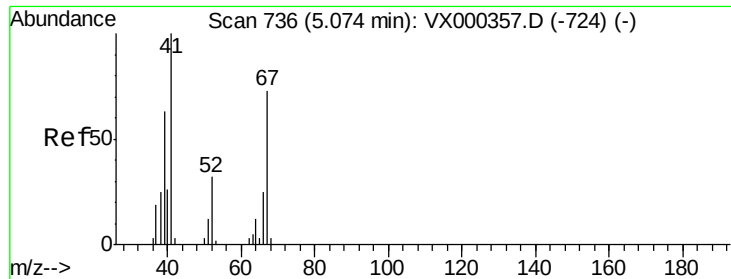
#40
Benzene
Concen: 53.521 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 47.537 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

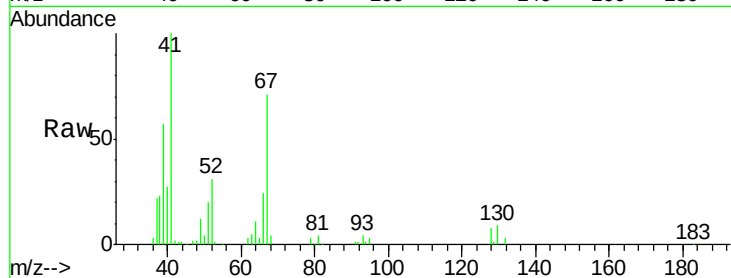
ClientSampleId :

VSTDCCC050

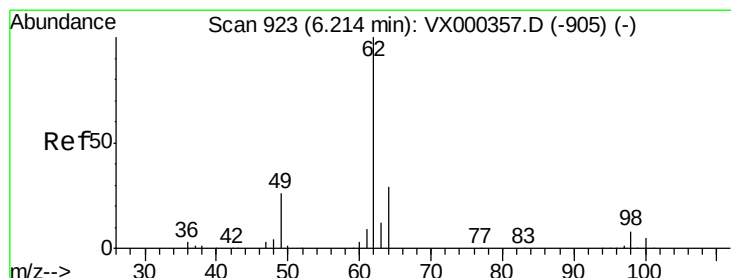
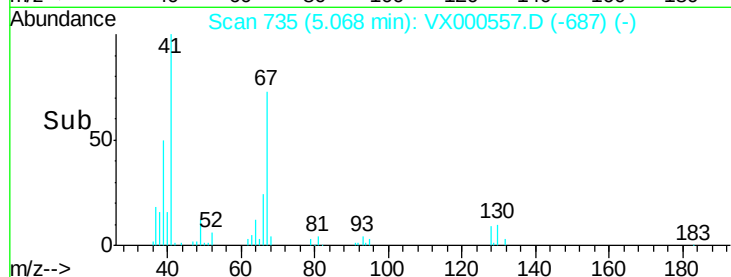
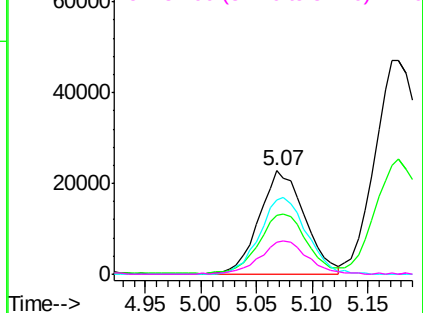
Tot Ion:	41	Resp:	65111
Ion	Ratio	Lower	Upper
41	100		
39	59.9	45.7	68.5
67	75.9	57.8	86.8
52	33.6	26.7	40.1

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.746 ug/l

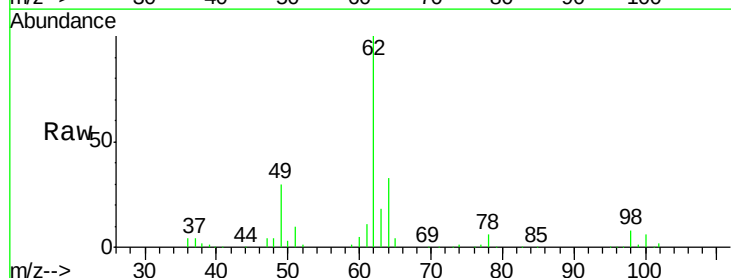
RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

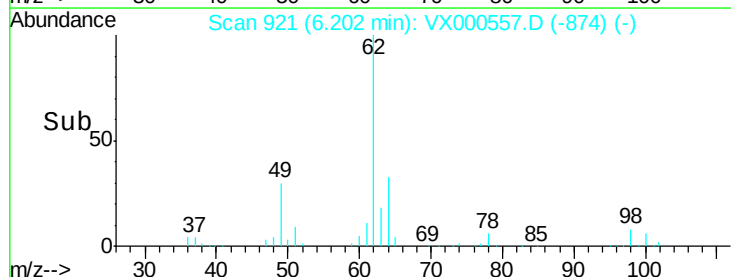
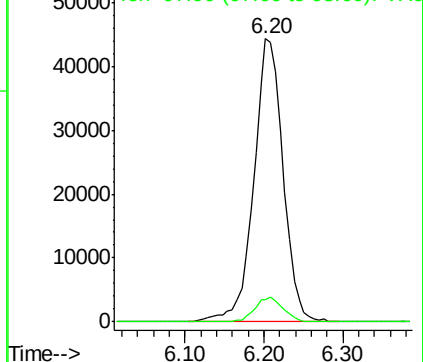
Lab File: VX000557.D

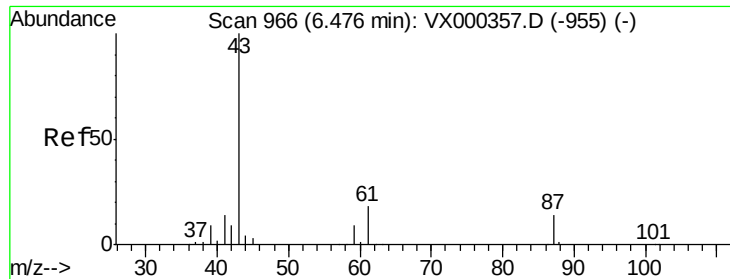
Acq: 30 Mar 2018 13:16

Tgt Ion:	62	Resp:	114306
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

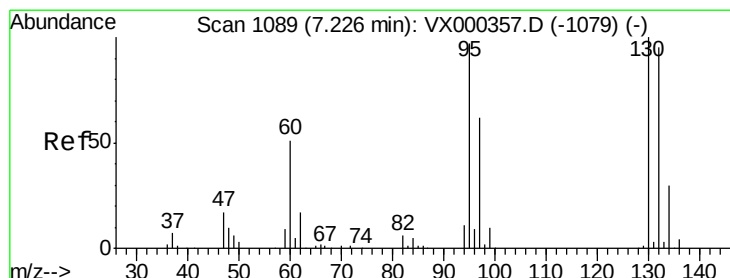
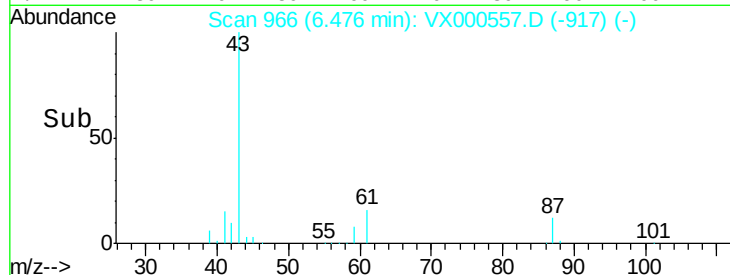
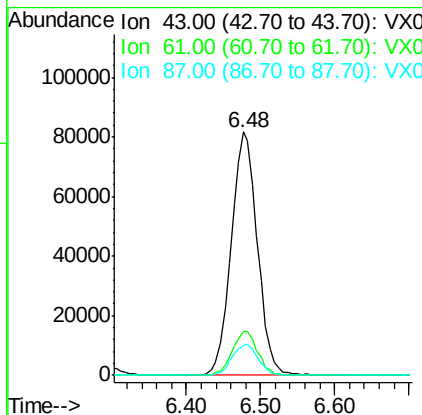
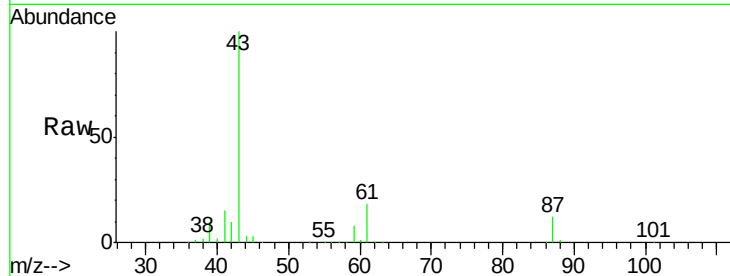
Isopropyl Acetate
 Concen: 51.959 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	200939
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.4	21.6
87	12.8	11.0	16.4

Manual Integrations
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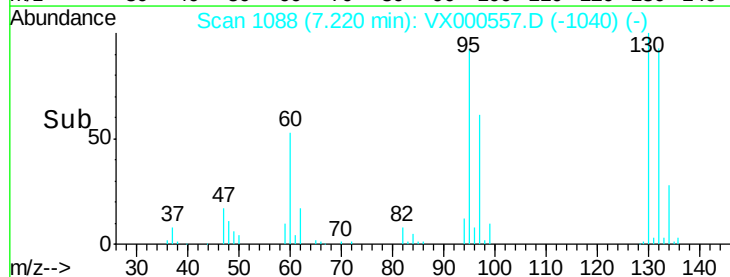
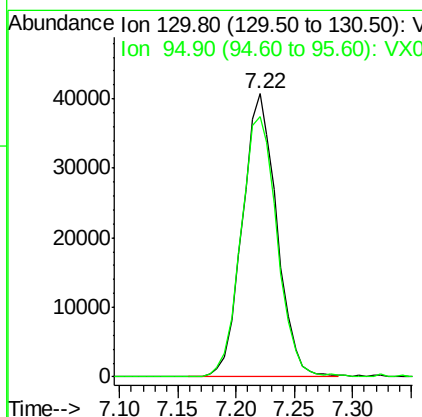
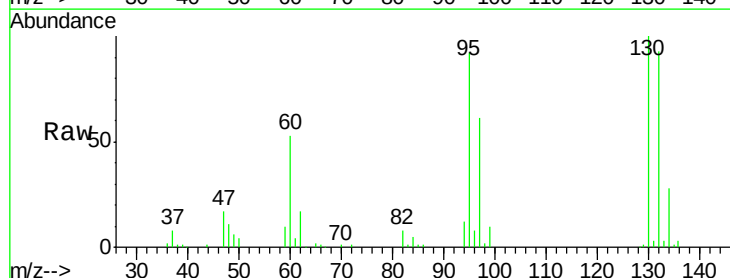
sam
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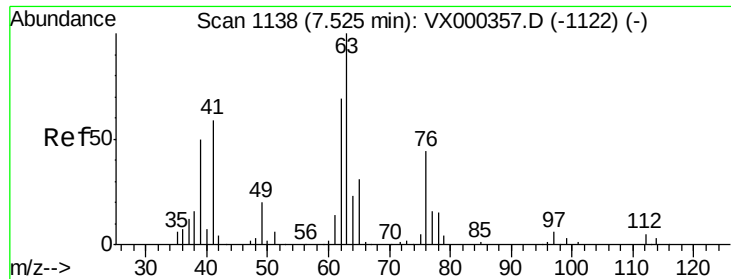


#44

Trichloroethene
 Concen: 52.912 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion	130	Resp	83727
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	186.0





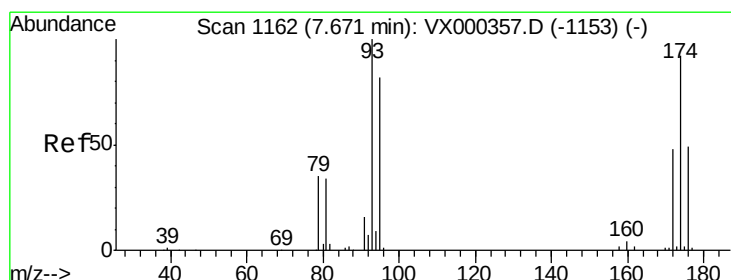
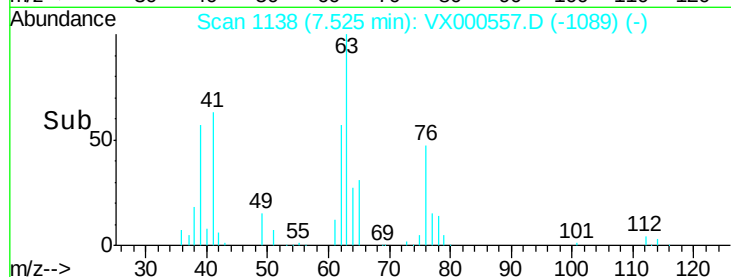
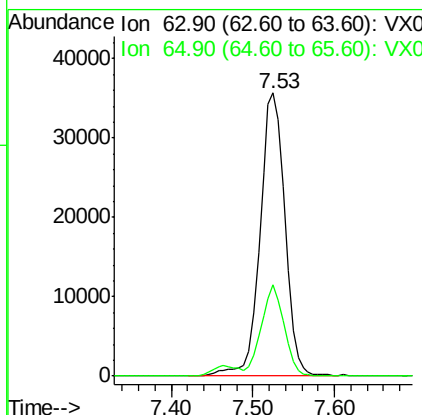
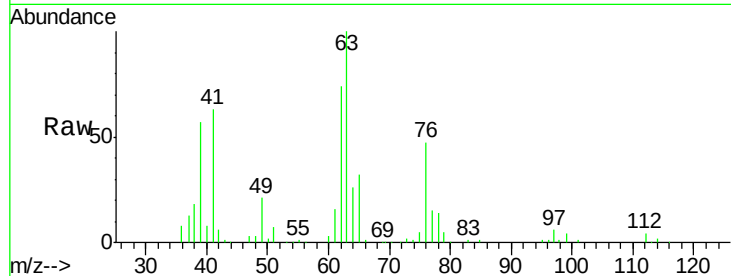
#45
 1,2-Dichloropropane
 Concen: 54.034 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 76393
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8

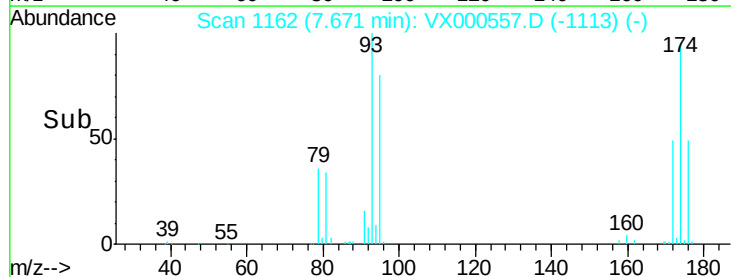
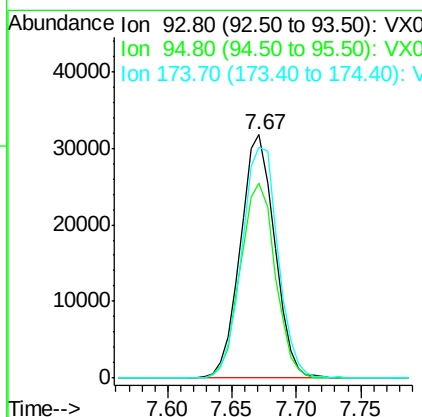
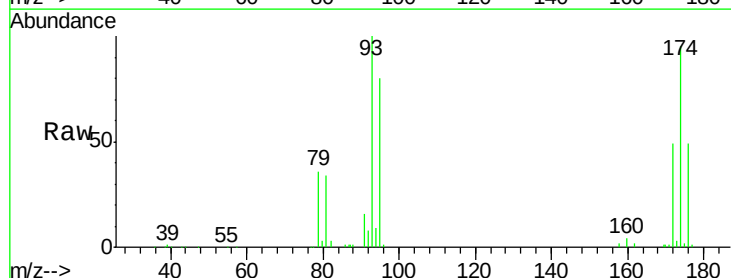
Manual Integrations
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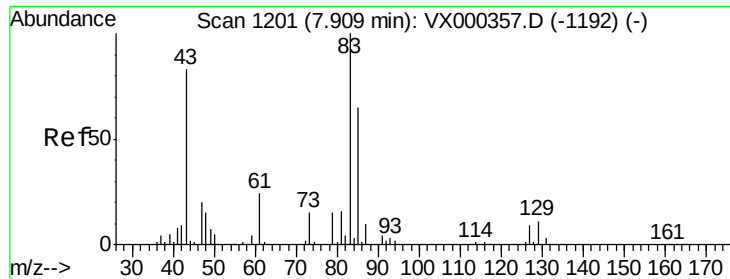
sam
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#46
 Dibromomethane
 Concen: 52.722 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion: 93 Resp: 58507
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.5 99.7
 174 100.1 76.0 114.0





#47

Bromodichloromethane

Concen: 55.165 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

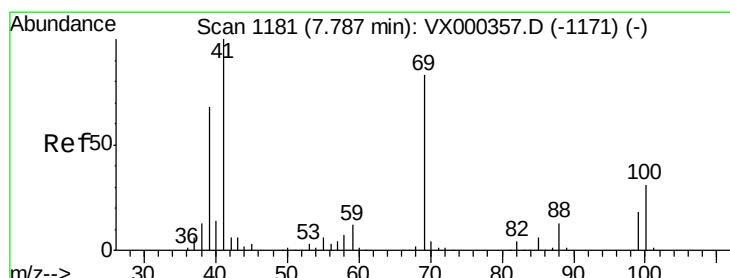
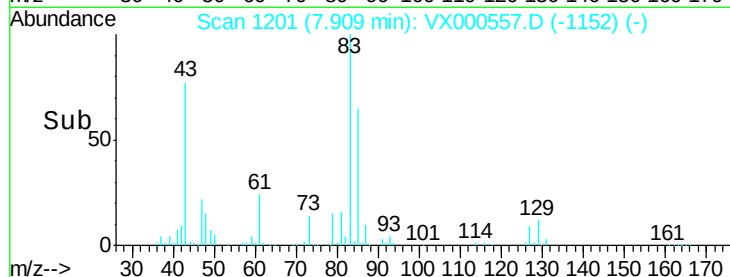
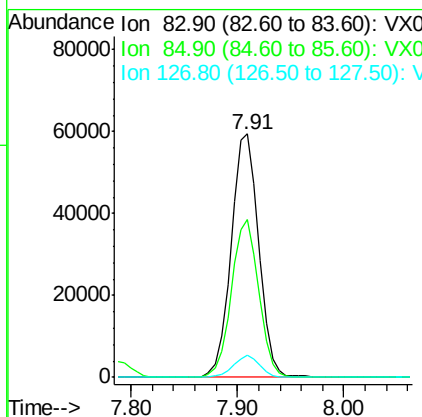
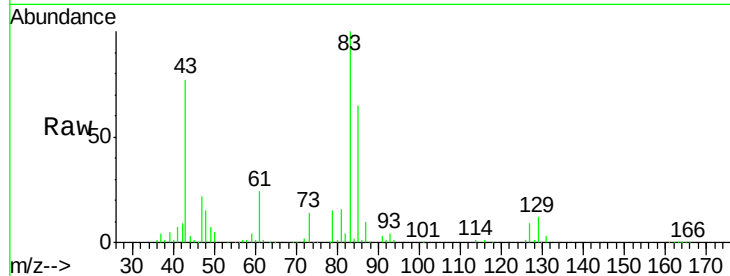
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	107708
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	9.0	7.0	10.6

Manual Integrations
APPROVED

sam
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#48

Methyl methacrylate

Concen: 52.256 ug/l

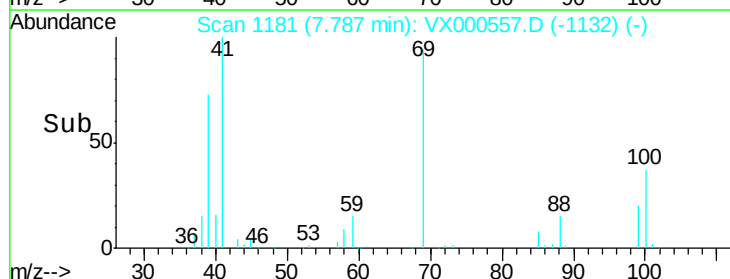
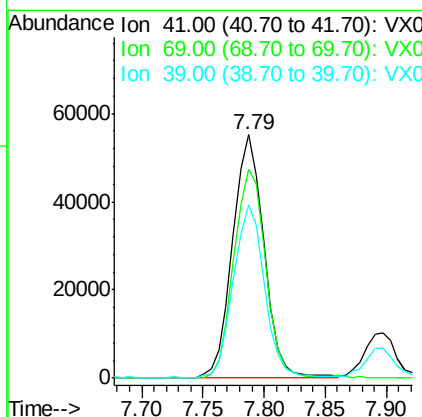
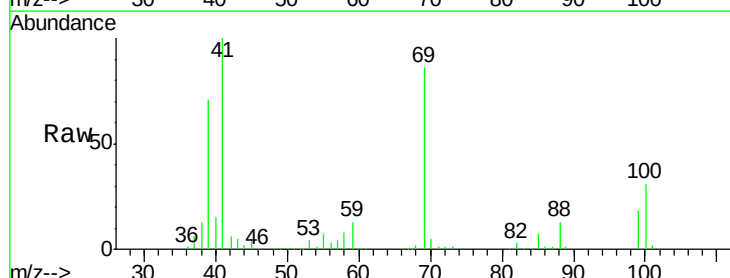
RT: 7.79 min Scan# 1181

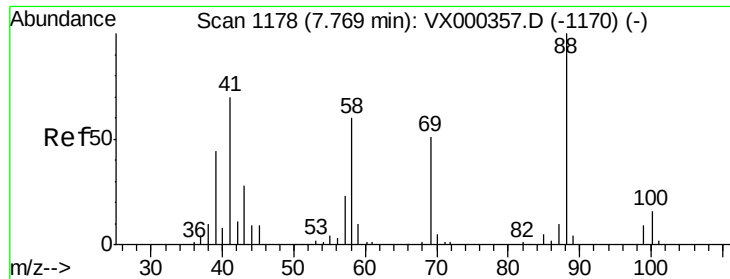
Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Tgt Ion:	41	Resp:	98112
Ion	Ratio	Lower	Upper
41	100		
69	86.9	68.2	102.4
39	69.6	54.6	81.8





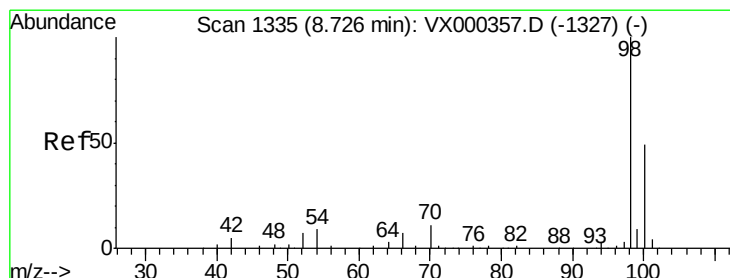
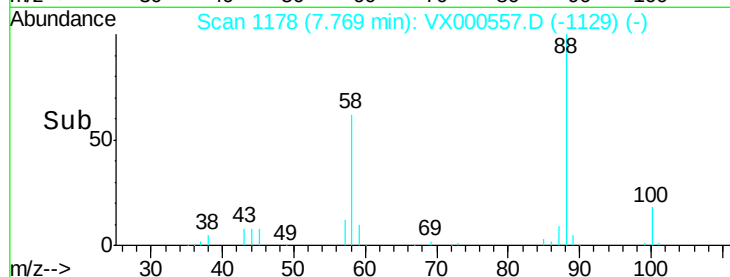
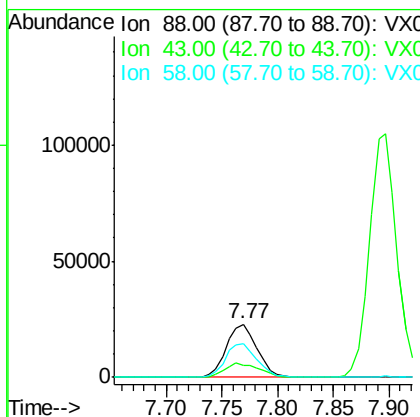
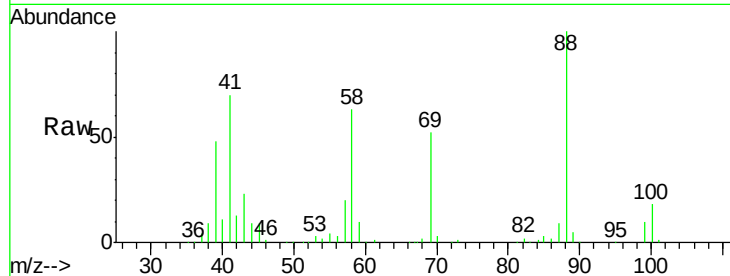
#49
 1,4-Dioxane
 Concen: 1101.103 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	26.8	40.2
58	65.2	52.2	78.2

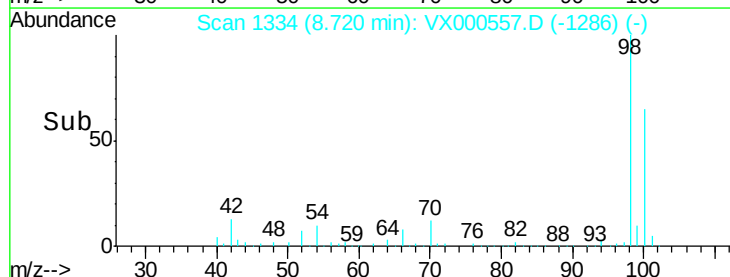
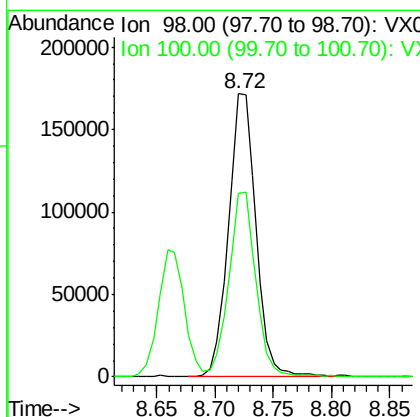
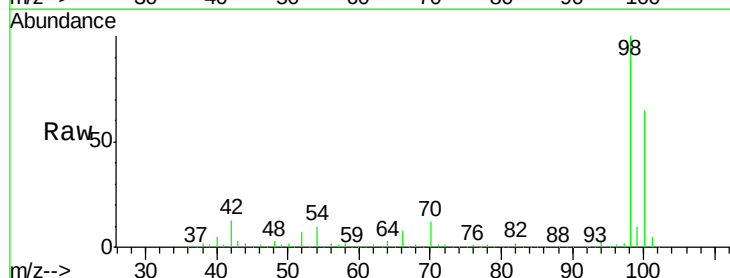
Manual Integrations
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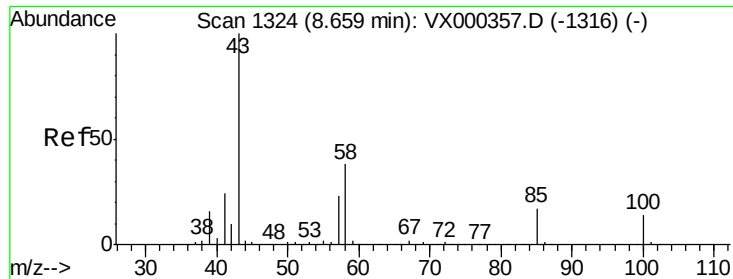
sam
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#50
 Toluene-d8
 Concen: 53.153 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 273.607 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 819017

Ion Ratio Lower Upper

43 100

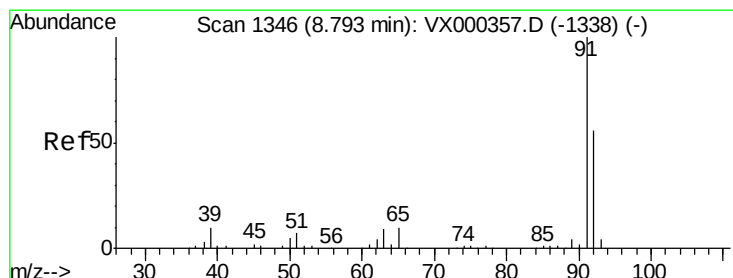
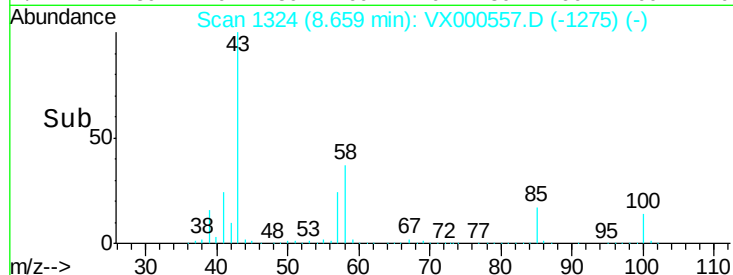
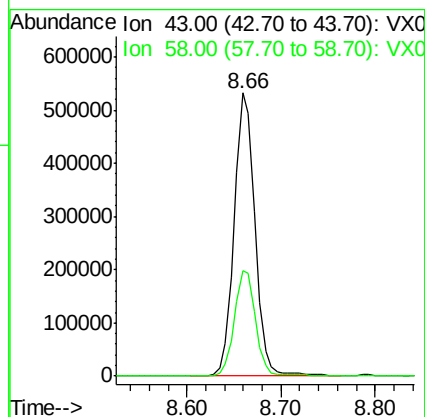
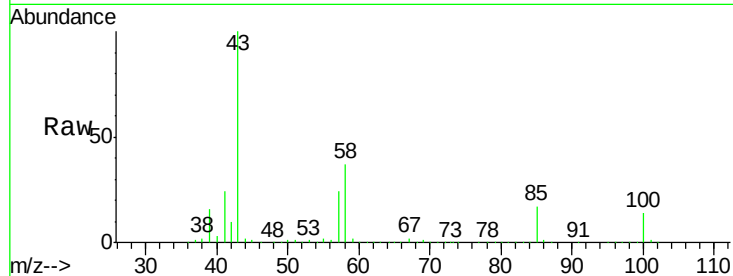
58 37.1 30.3 45.5

Manual Integrations

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4/4/2018 6:10:49 PM



#52

Toluene

Concen: 57.031 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000557.D

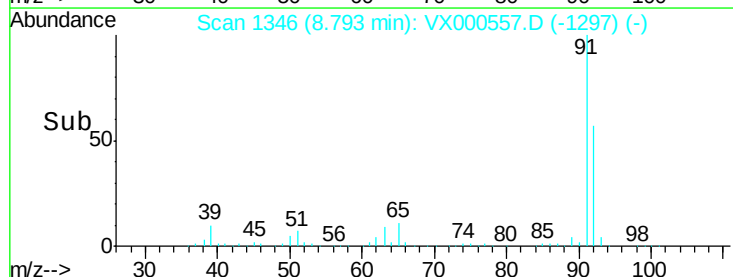
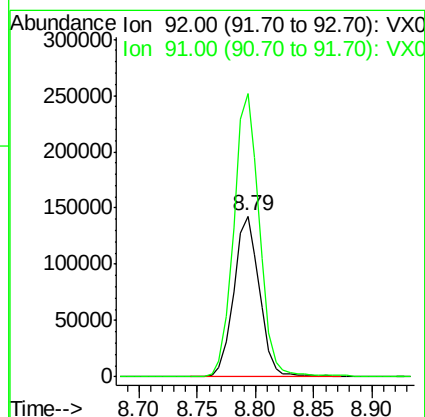
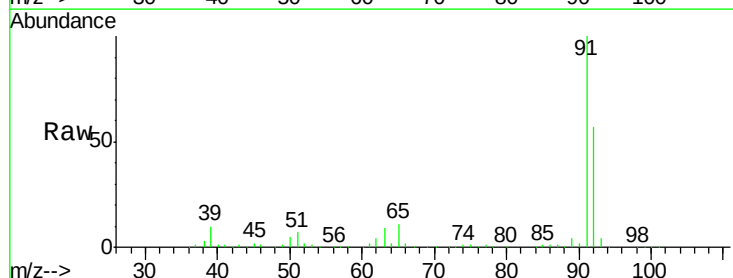
Acq: 30 Mar 2018 13:16

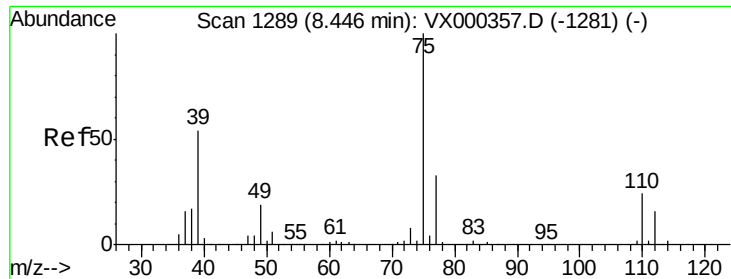
Tgt Ion: 92 Resp: 220218

Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 55.564 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Tot Ion: 75 Resp: 125714

Ion Ratio Lower Upper

75 100

77 31.1 24.0 36.0

Instrument :

MSVOA_X

ClientSampleId :

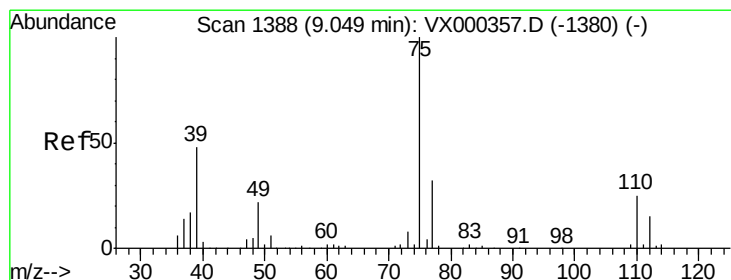
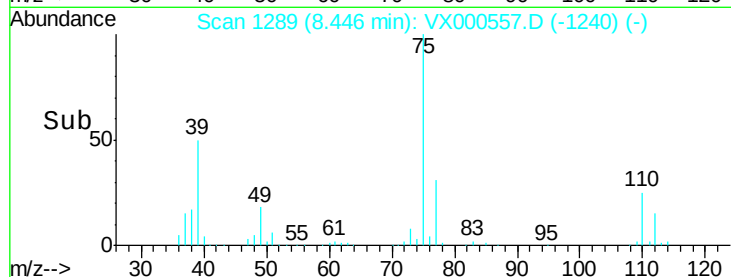
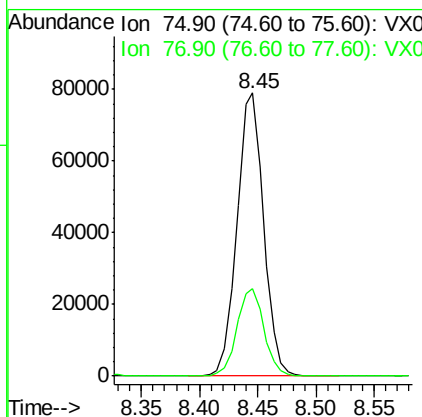
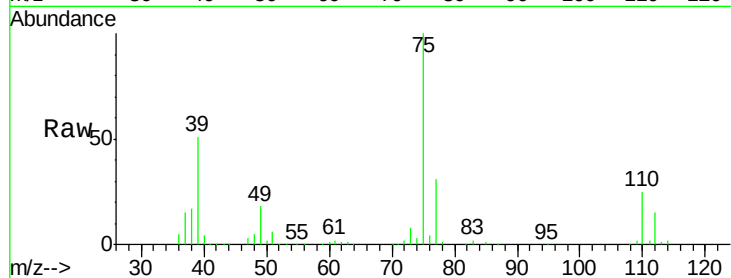
VSTDCCC050

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 57.810 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

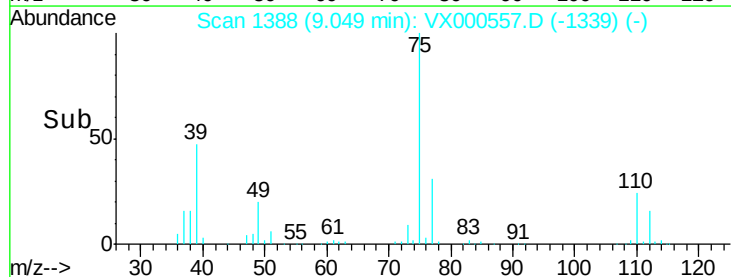
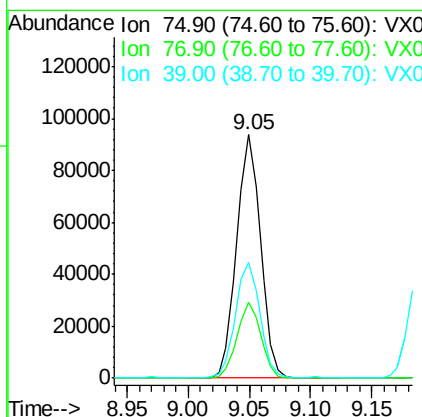
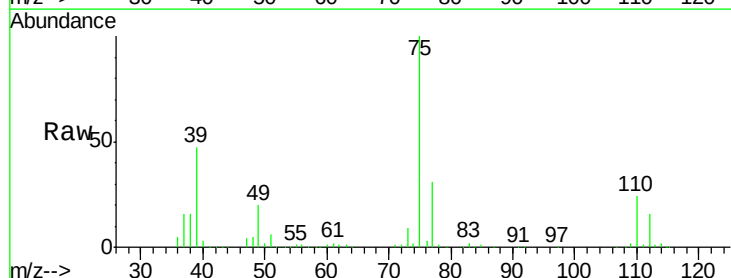
Tgt Ion: 75 Resp: 126873

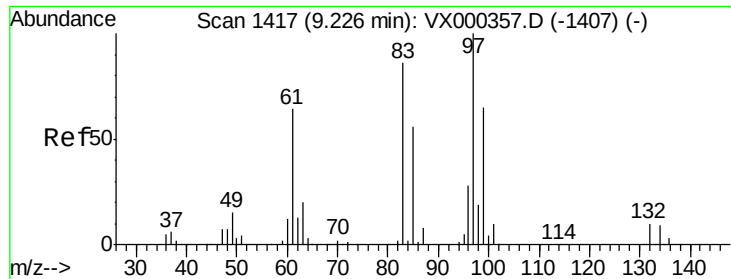
Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1

39 47.1 39.8 59.6





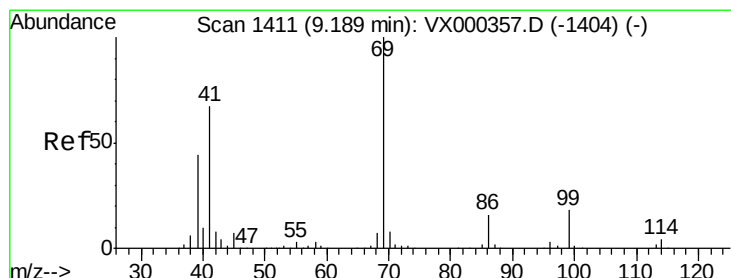
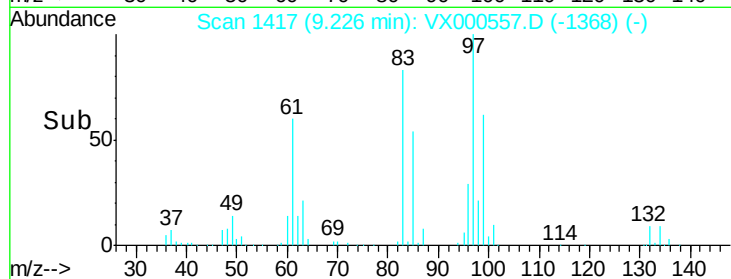
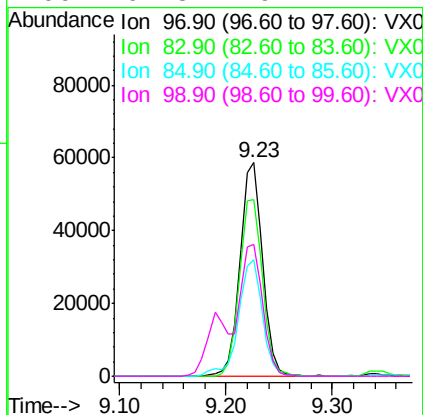
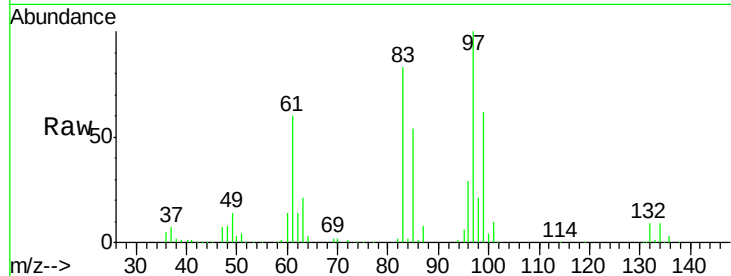
#55
 1,1,2-Trichloroethane
 Concen: 55.162 ug/l
 RT: 9.23 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	87593
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.9	101.9
85	54.4	42.8	64.2
99	61.8	49.4	74.2

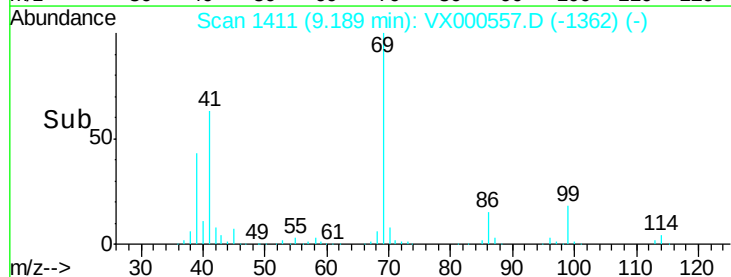
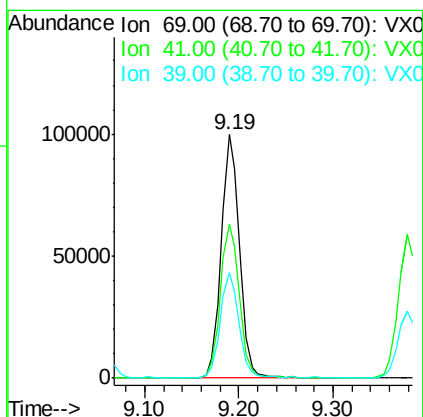
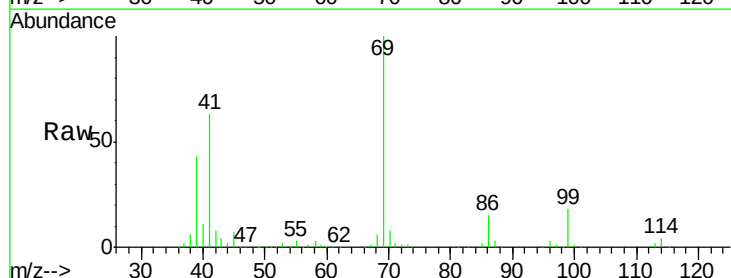
Manual Integrations
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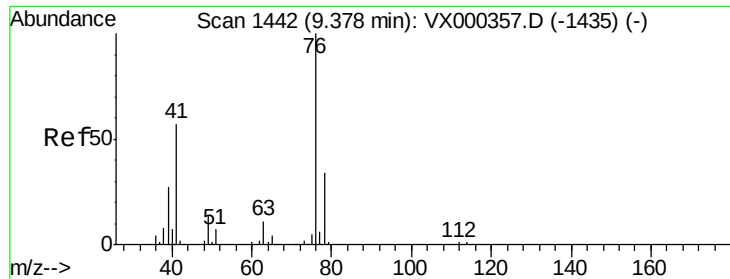
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#56
 Ethyl methacrylate
 Concen: 56.020 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion:	69	Resp:	134793
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.0	79.6
39	43.5	35.3	52.9





#57

1,3-Dichloropropane

Concen: 55.239 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 140295

Ion Ratio Lower Upper

76 100

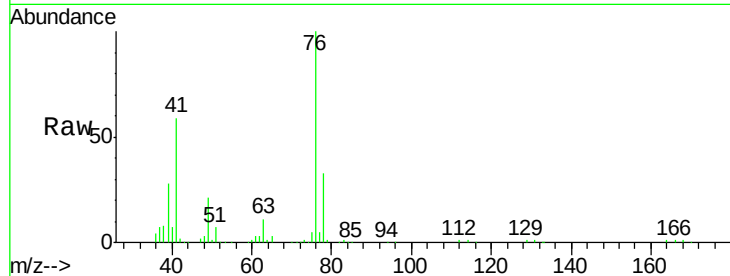
78 32.6 26.4 39.6

Manual Integrations

APPROVED

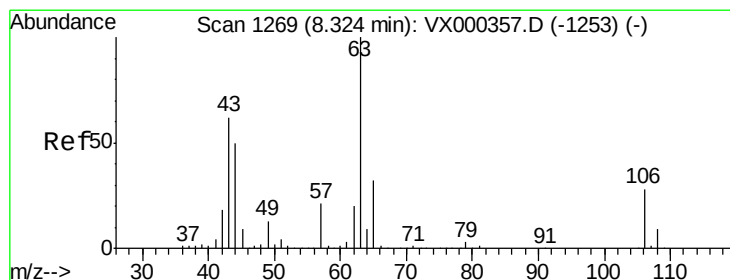
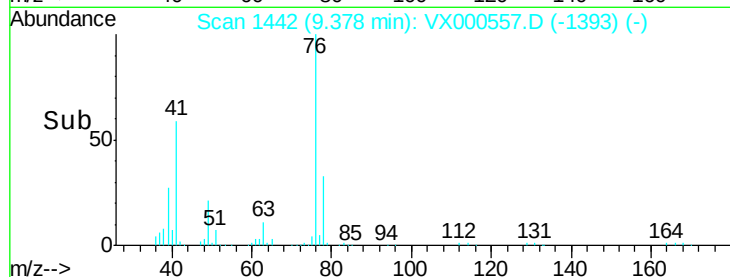
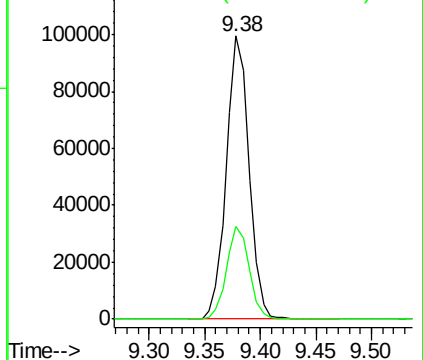
sam

4/4/2018 6:10:49 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 238.524 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX000557.D

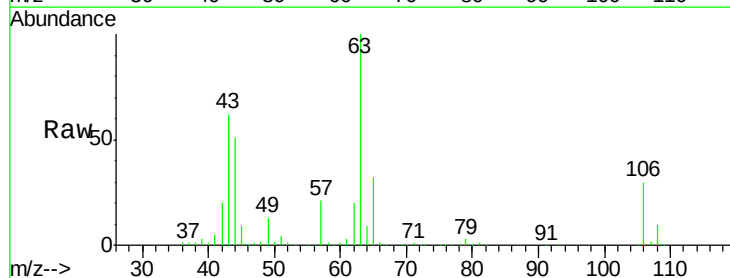
Acq: 30 Mar 2018 13:16

Tgt Ion: 63 Resp: 275455

Ion Ratio Lower Upper

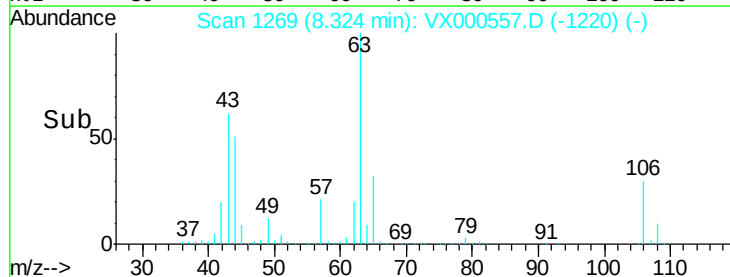
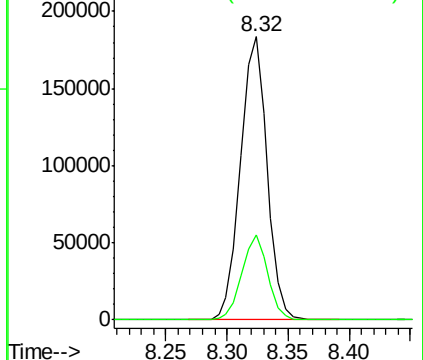
63 100

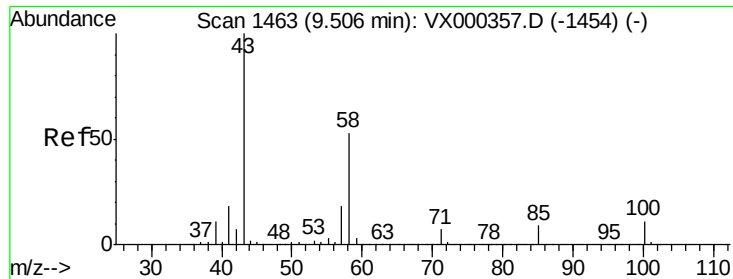
106 29.3 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





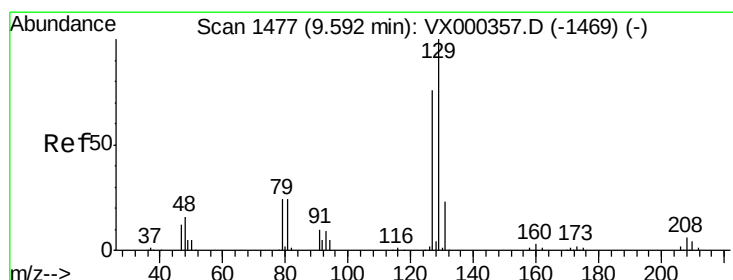
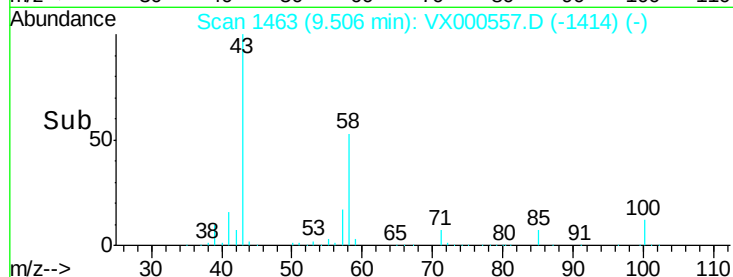
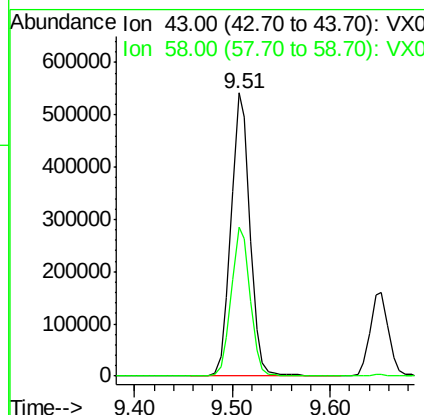
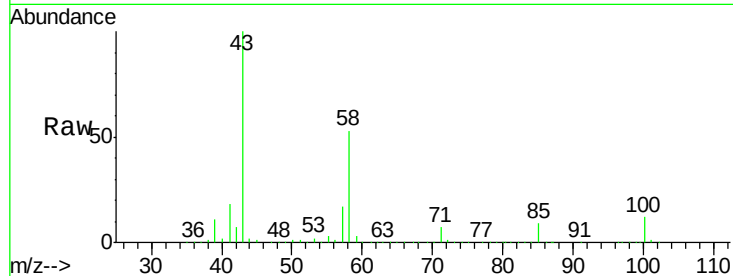
#59
2-Hexanone
Concen: 286.595 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 728453
Ion Ratio Lower Upper
43 100
58 53.0 26.6 79.7

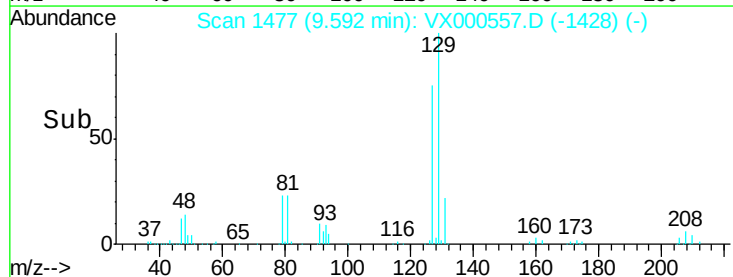
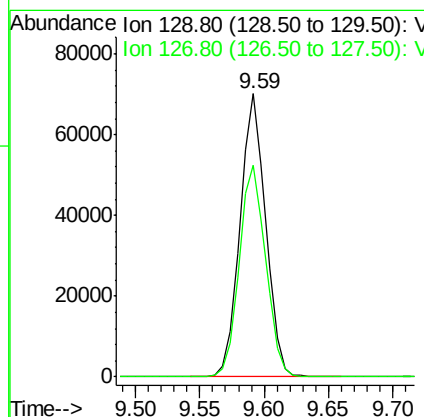
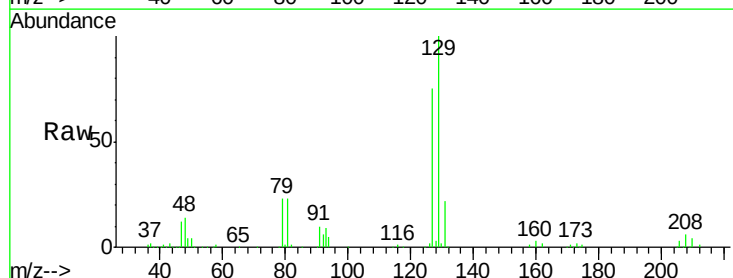
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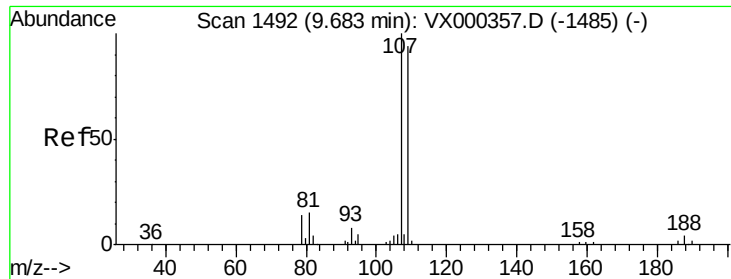
sam
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#60
Dibromochloromethane
Concen: 51.290 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion: 129 Resp: 96598
Ion Ratio Lower Upper
129 100
127 76.8 37.9 113.6





#61

1,2-Dibromoethane

Concen: 58.702 ug/l

RT: 9.68 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 99960

Ion Ratio Lower Upper

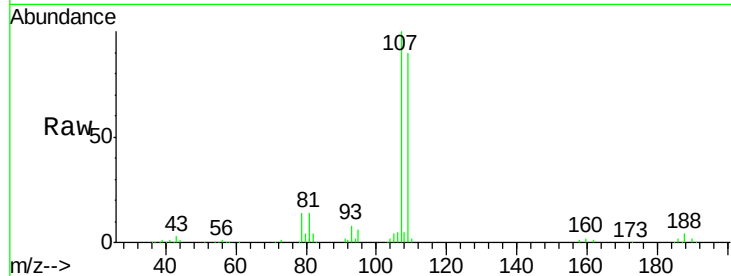
107 100

109 92.5 76.1 114.1

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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

80000

60000

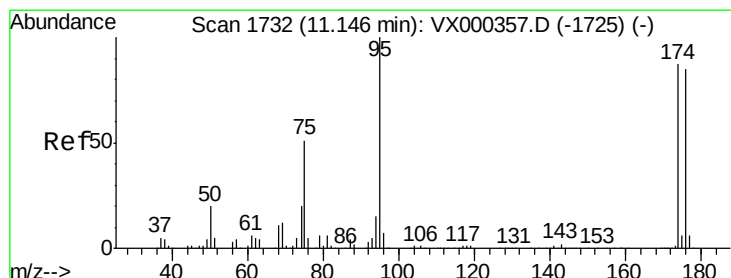
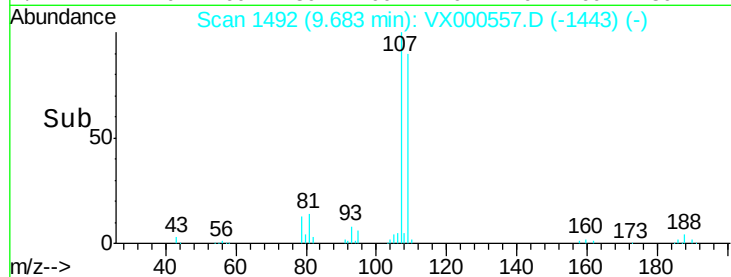
40000

20000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 52.402 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

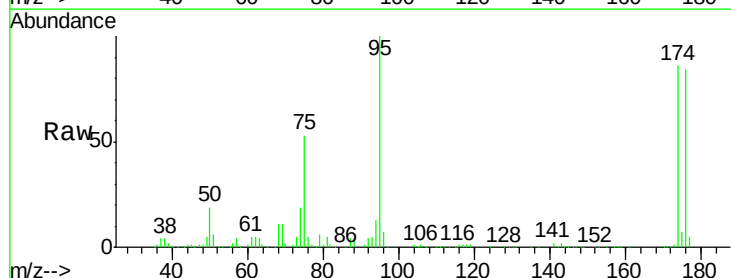
Tgt Ion: 95 Resp: 118111

Ion Ratio Lower Upper

95 100

174 87.0 0.0 173.6

176 83.7 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

120000

100000

80000

60000

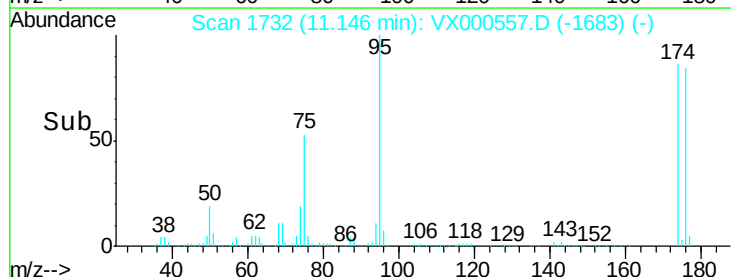
40000

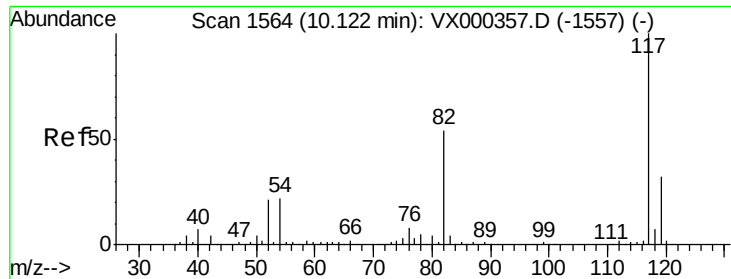
20000

0

Time-->

11.10 11.15 11.20





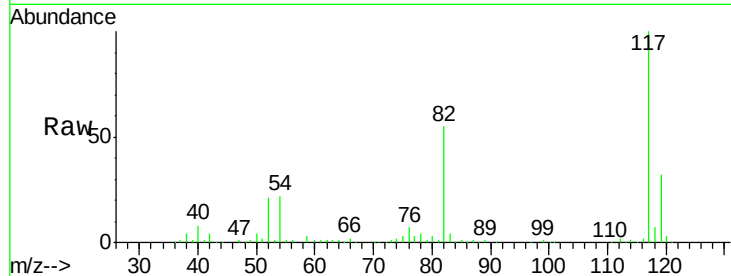
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.8	65.8
119	32.0	24.9	37.3

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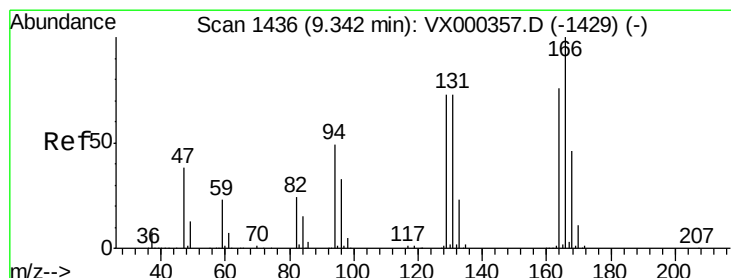
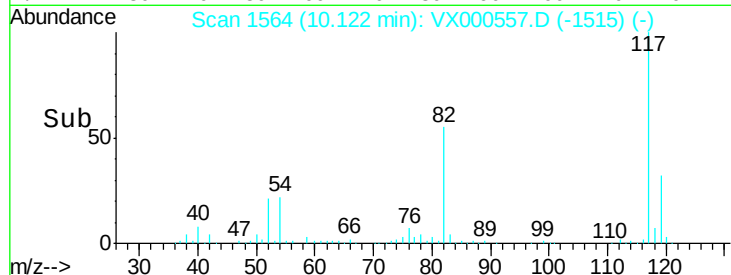
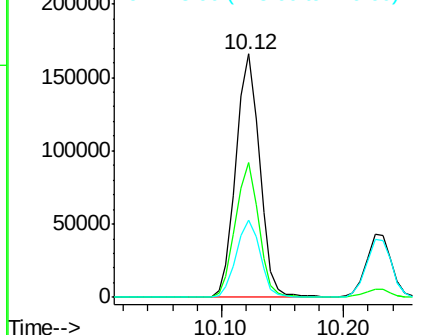


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.415 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.0	151.6
129	87.0	79.0	118.4
131	86.0	71.9	107.9

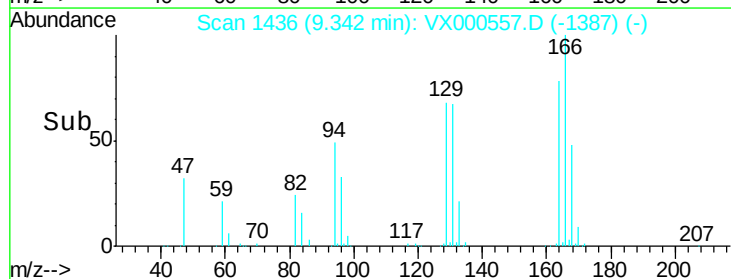
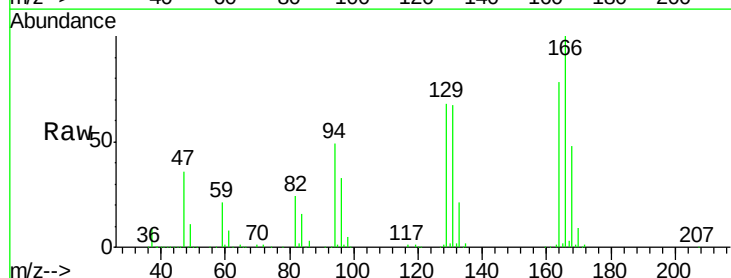
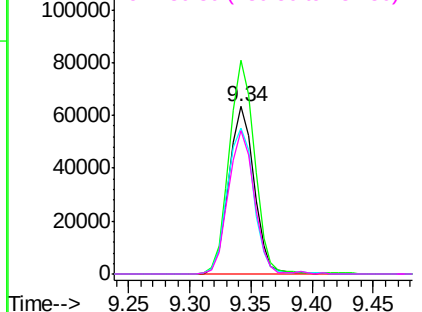
Abundance

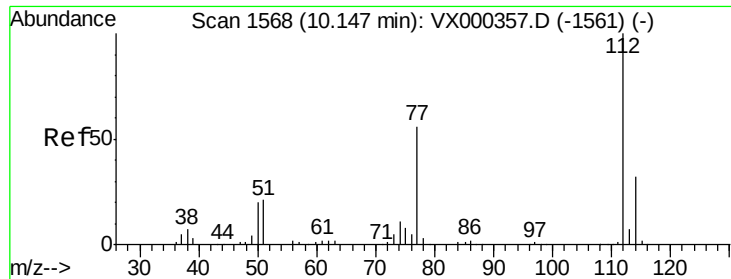
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.429 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 256441

Ion Ratio Lower Upper

112 100

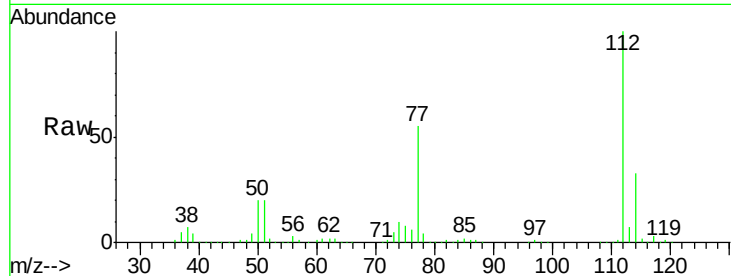
114 32.8 25.7 38.5

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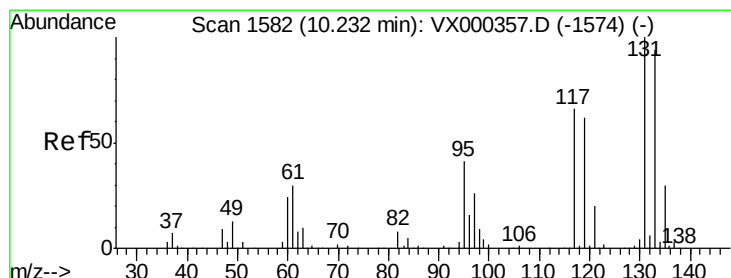
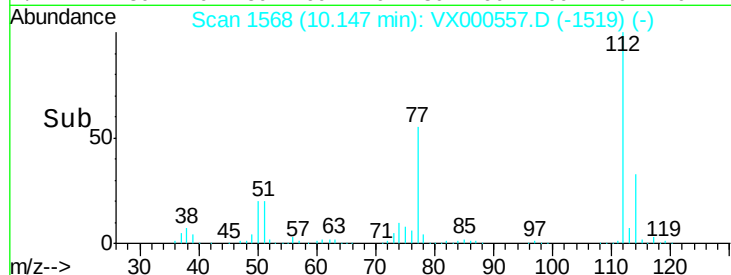
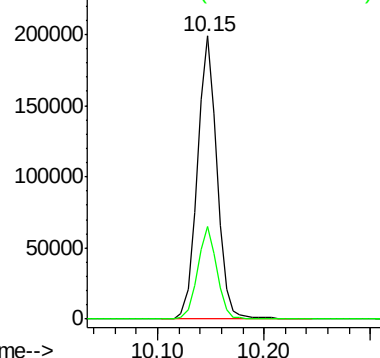
sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.934 ug/l

RT: 10.23 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

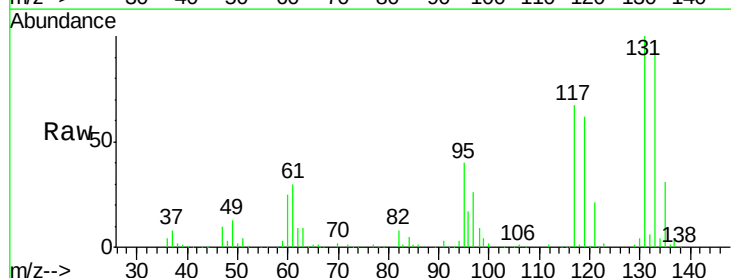
Tgt Ion:131 Resp: 87948

Ion Ratio Lower Upper

131 100

133 97.5 47.1 141.3

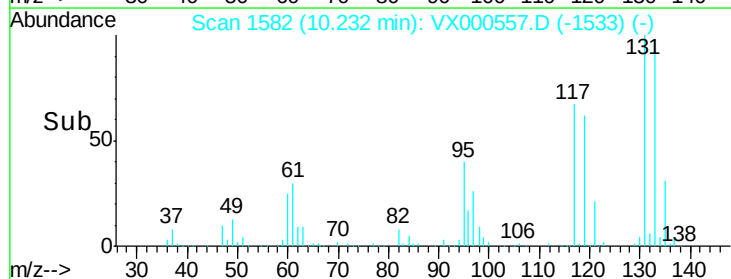
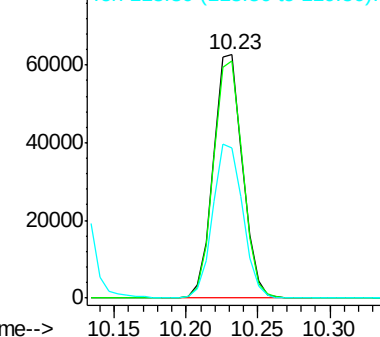
119 65.0 33.1 99.2

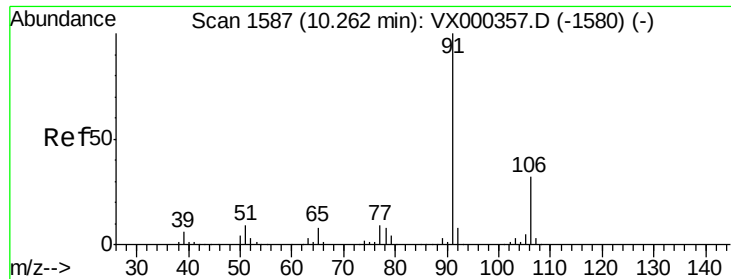


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





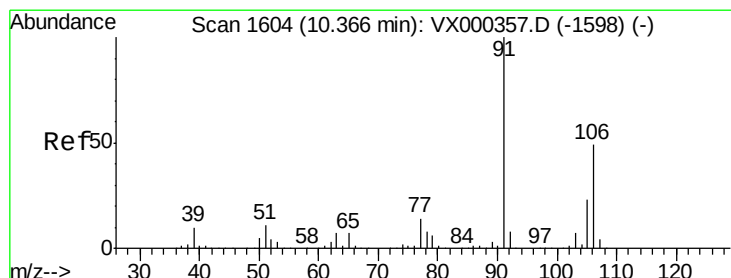
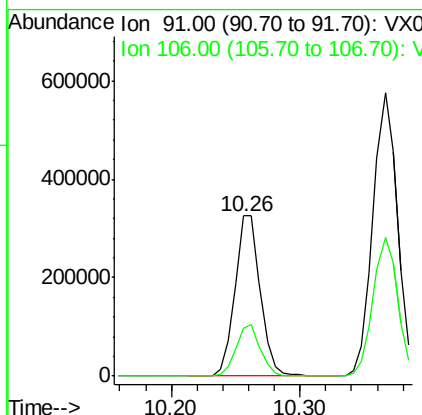
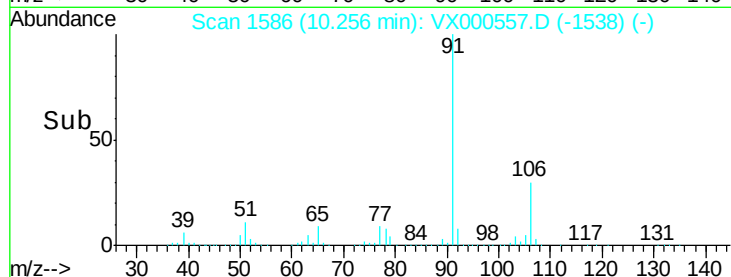
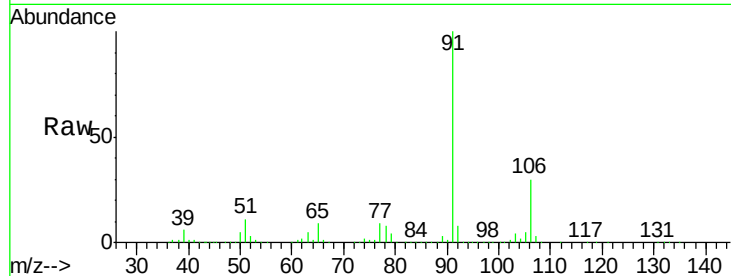
#67
Ethyl Benzene
Concen: 53.035 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 448288
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.6

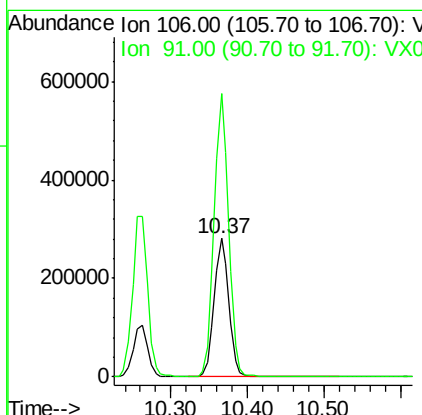
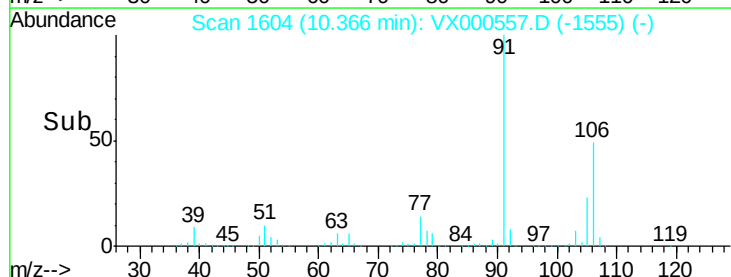
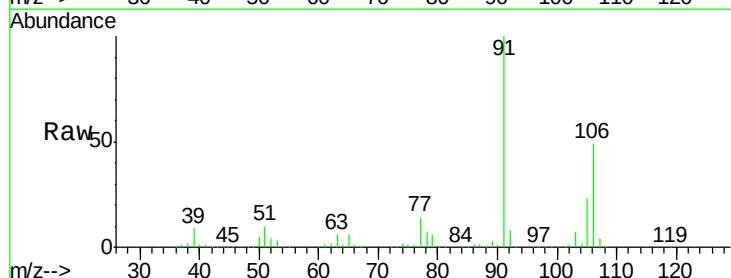
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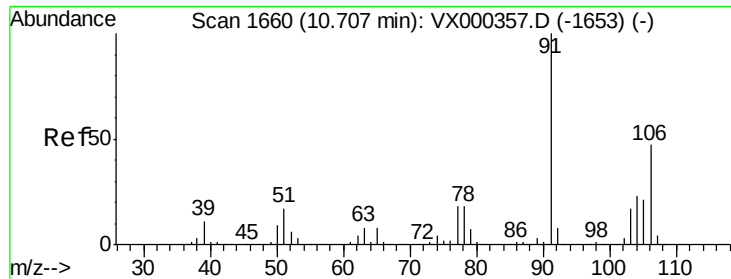
sam
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#68
m/p-Xylenes
Concen: 112.575 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion: 106 Resp: 374440
Ion Ratio Lower Upper
106 100
91 202.5 163.4 245.2





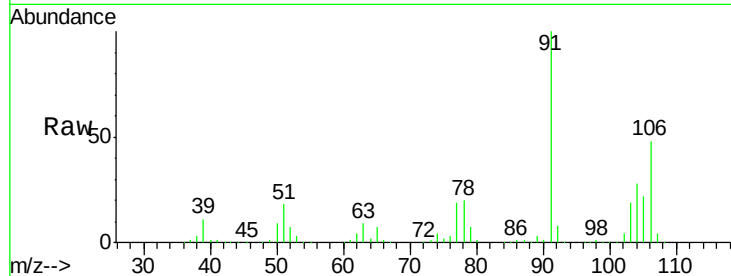
#69
o-Xylene
Concen: 54.923 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

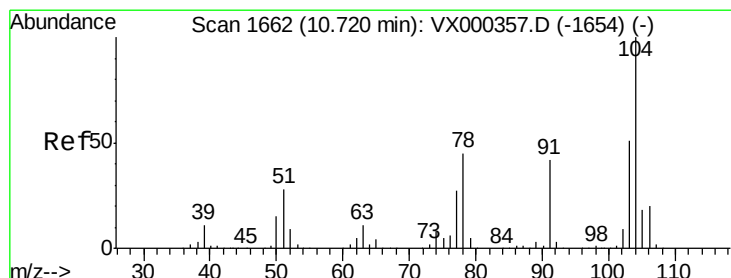
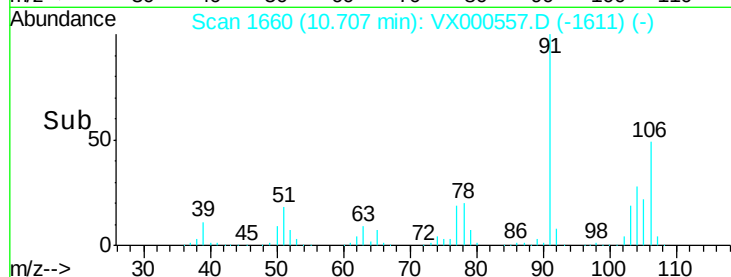
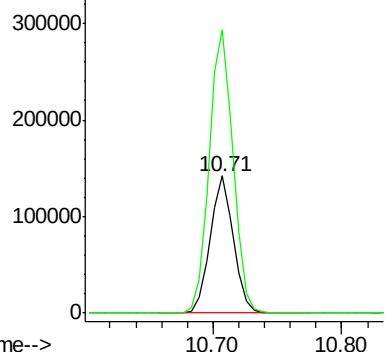
Tot Ion:106 Resp: 176880
Ion Ratio Lower Upper
106 100
91 212.5 106.5 319.6

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sam
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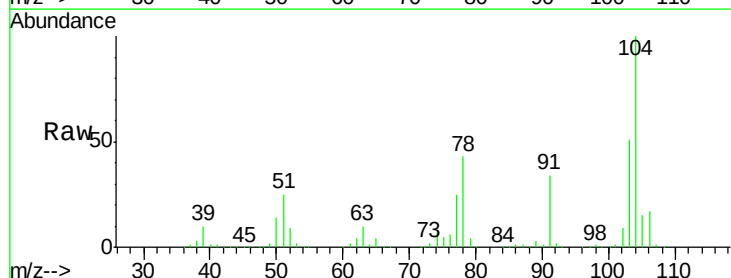


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

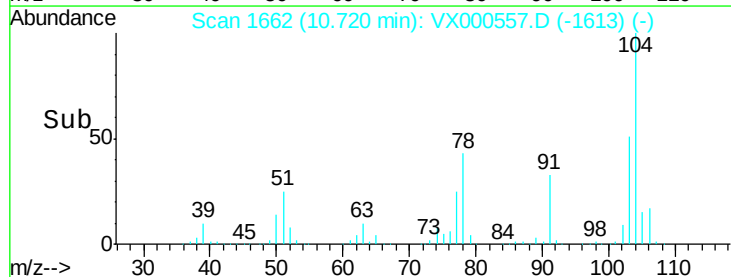
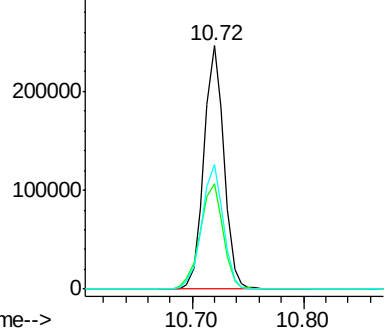


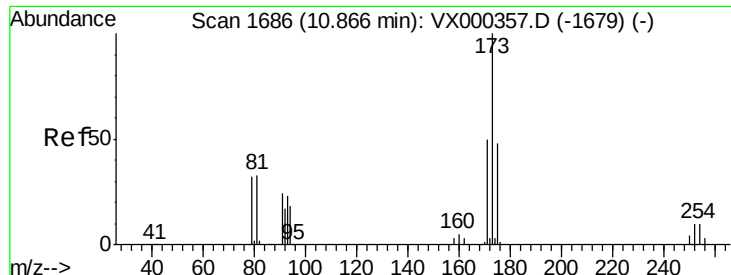
#70
Styrene
Concen: 57.745 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion:104 Resp: 307705
Ion Ratio Lower Upper
104 100
78 49.7 40.5 60.7
103 54.9 45.7 68.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 45.261 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78985

Ion Ratio Lower Upper

173 100

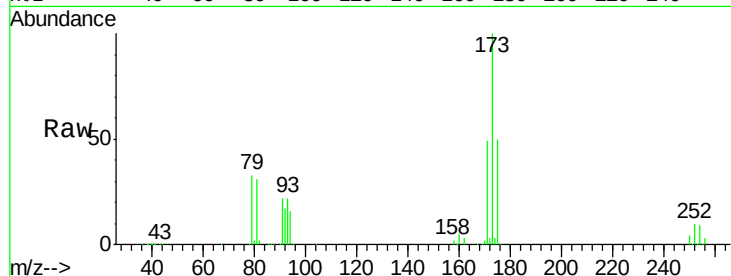
175 49.0 25.4 76.4

254 0.1 0.0 0.0#

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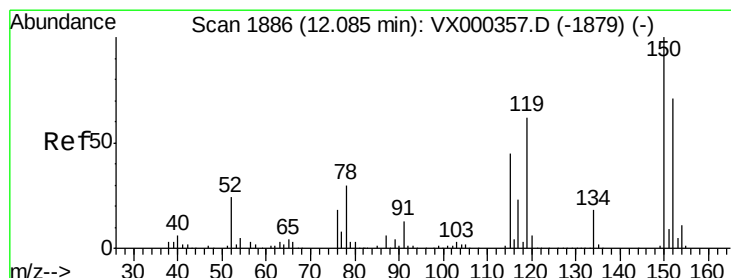
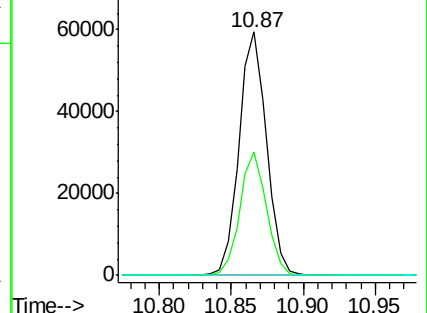
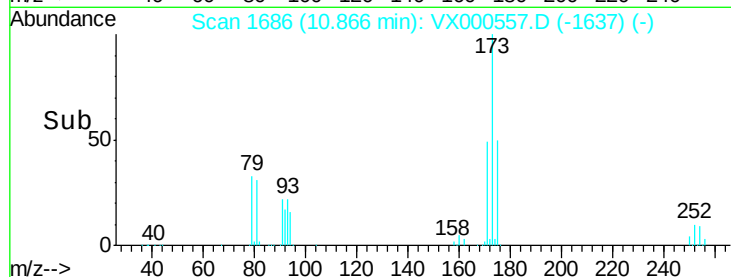
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

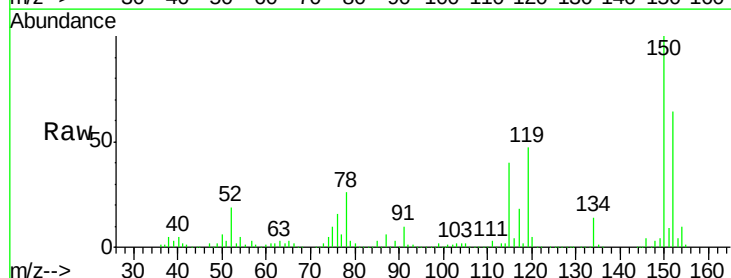
Tgt Ion:152 Resp: 157481

Ion Ratio Lower Upper

152 100

115 83.4 39.8 119.3

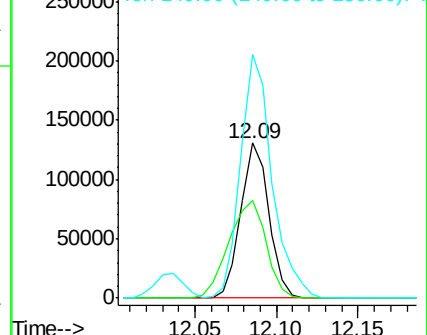
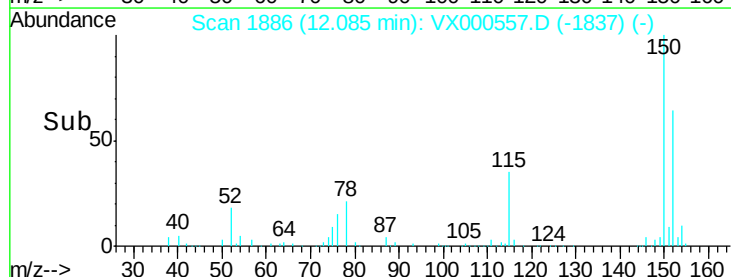
150 176.0 0.0 344.4

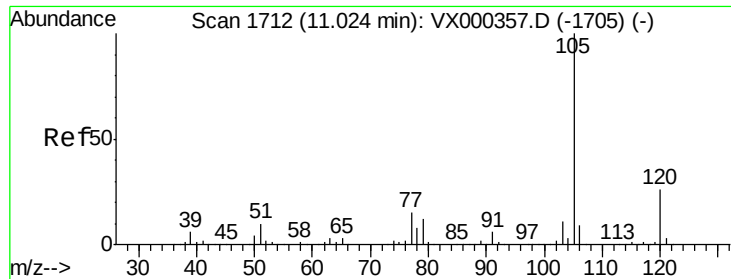


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





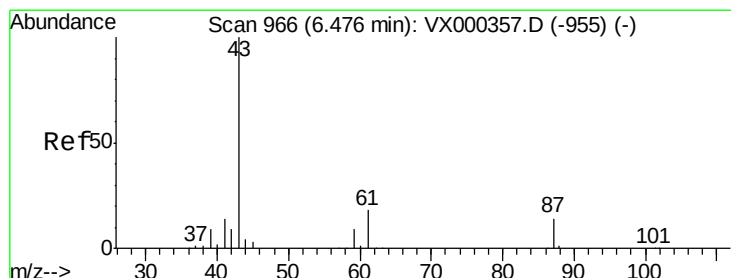
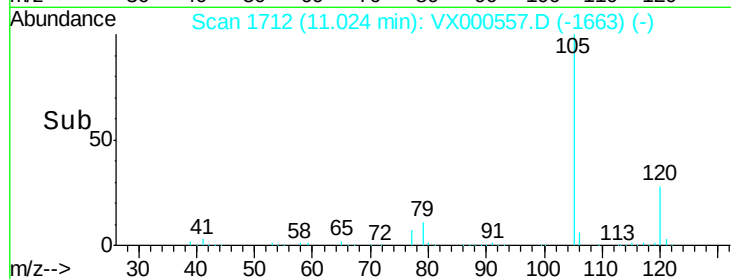
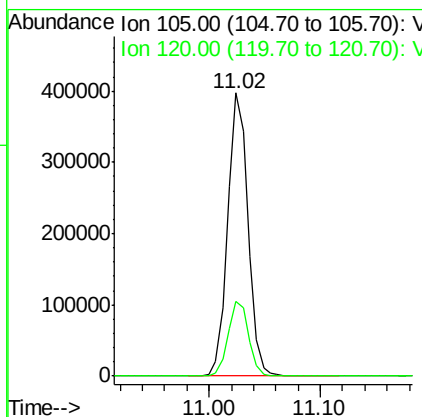
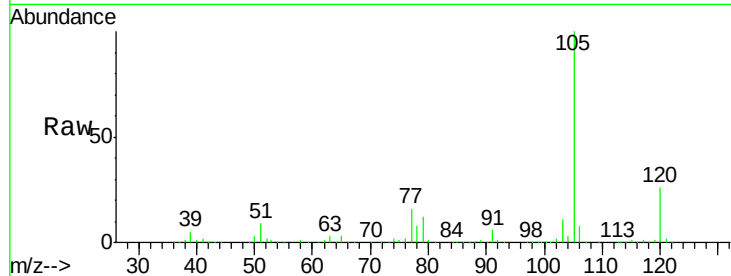
#73
Isopropylbenzene
Concen: 47.945 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.6	40.7

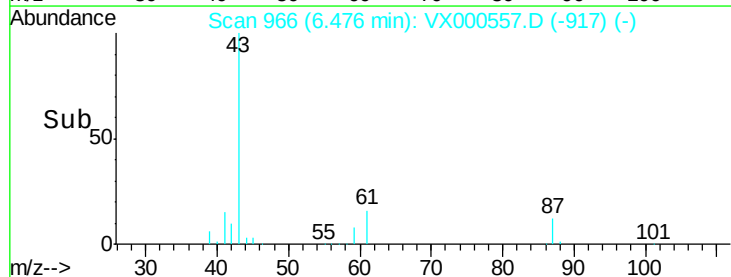
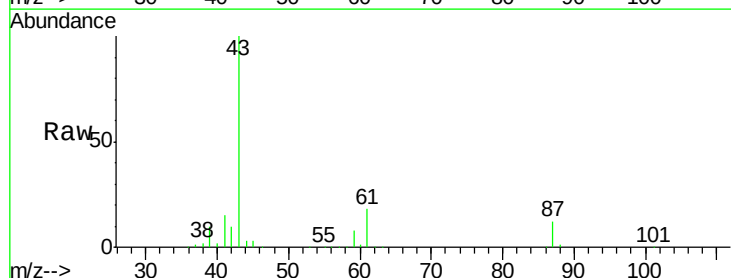
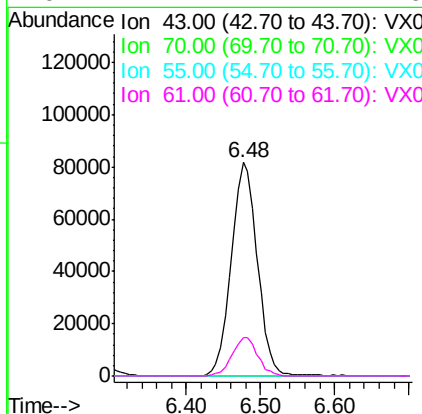
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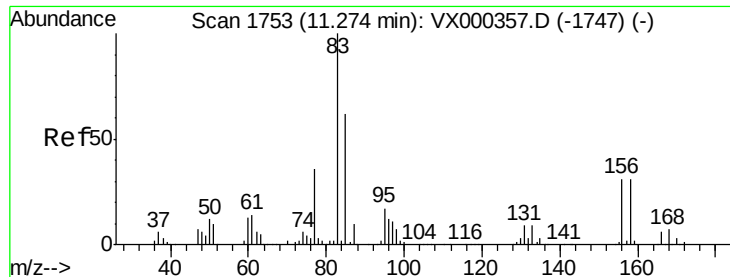
sam
4/4/2018 6:10:49 PM



#74
N-ethyl acetate
Concen: 43.771 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.1	0.0	0.0#
61	17.7	14.4	21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.256 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 170710
Ion Ratio Lower Upper

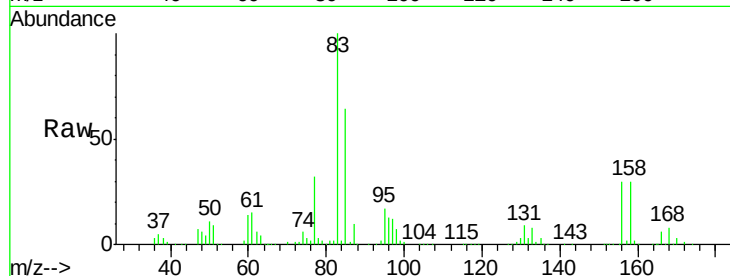
83 100

131 10.0 5.0 14.9

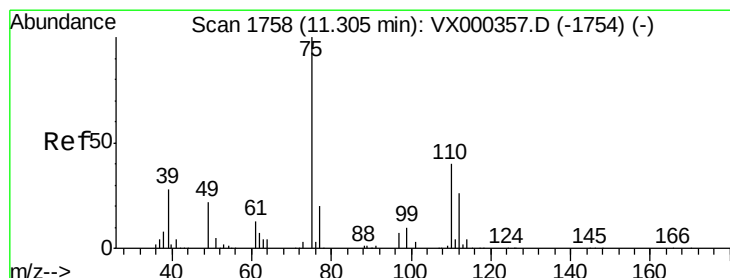
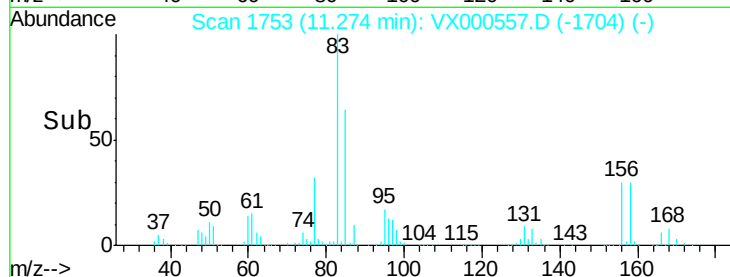
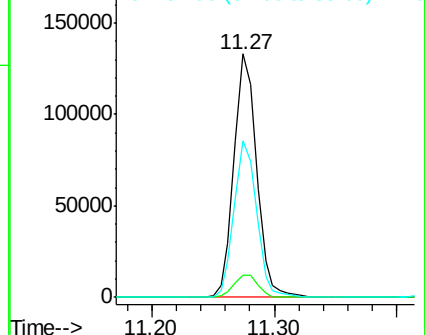
85 64.2 32.5 97.5

Manual Integrations
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sam
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.205 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

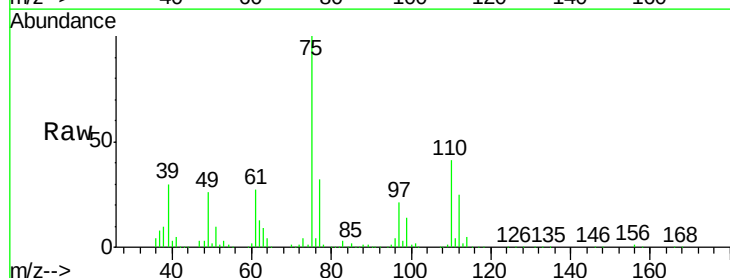
Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

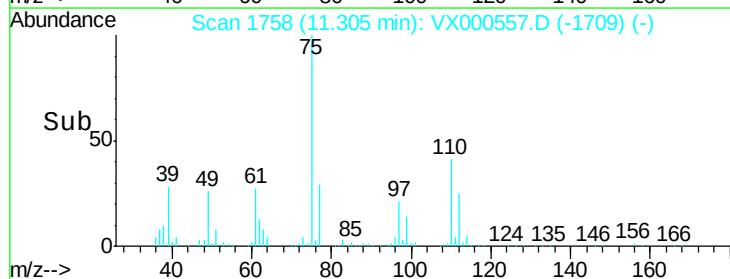
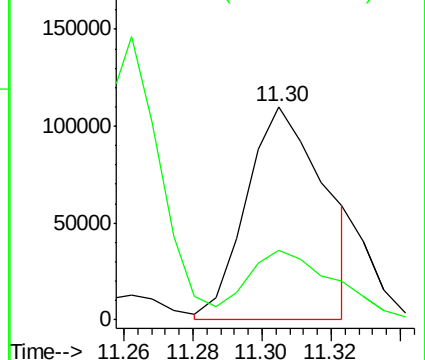
Tgt Ion: 75 Resp: 173301
Ion Ratio Lower Upper

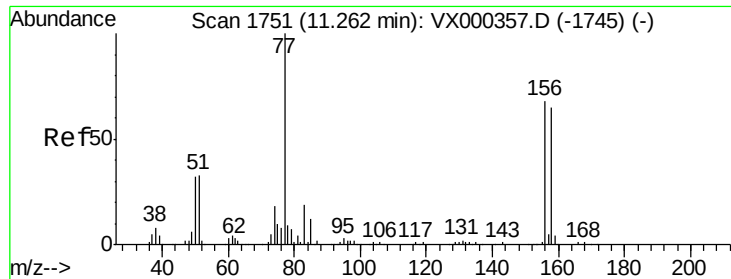
75 100

77 36.4 21.4 64.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.578 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

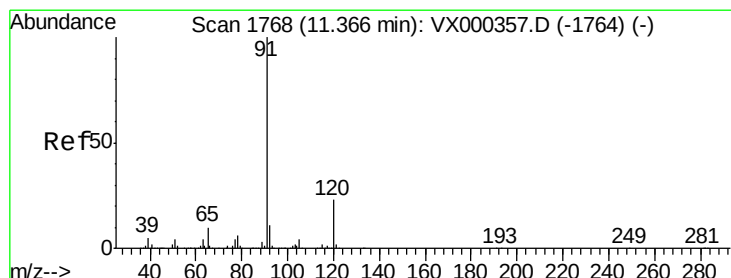
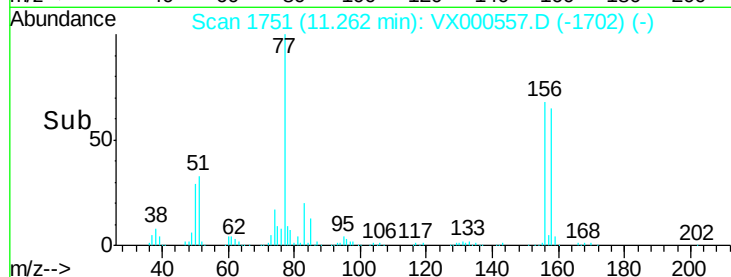
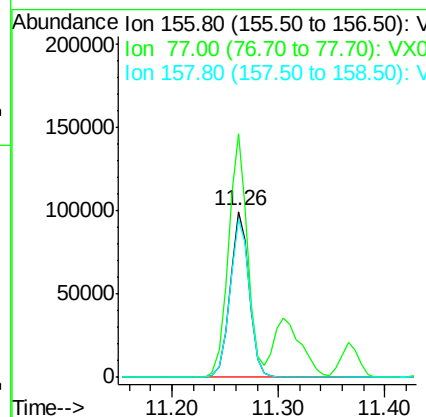
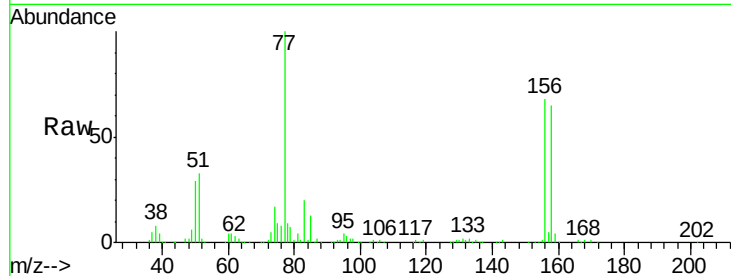
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	123910
Ion Ratio	Lower	Upper	
156	100		
77	146.5	73.4	220.2
158	97.9	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 48.894 ug/l

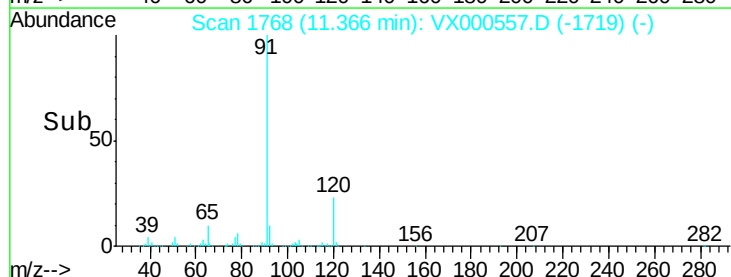
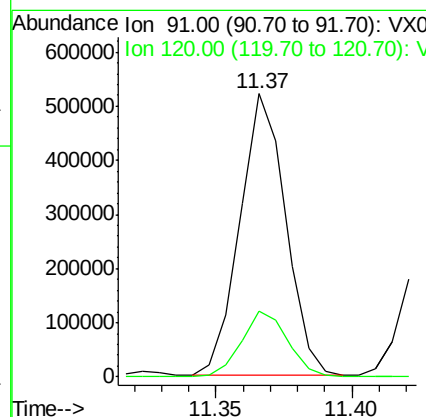
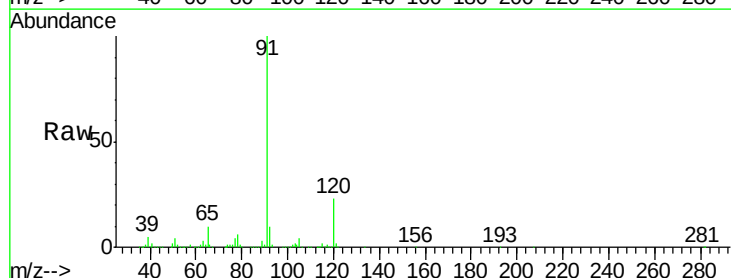
RT: 11.37 min Scan# 1768

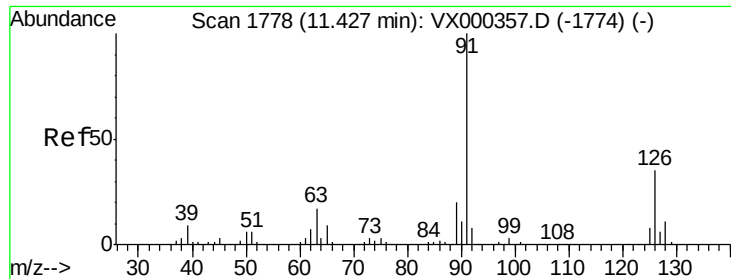
Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Tgt Ion:	91	Resp:	608316
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.3





#79

2-Chlorotoluene

Concen: 47.798 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 343545

Ion Ratio Lower Upper

91 100

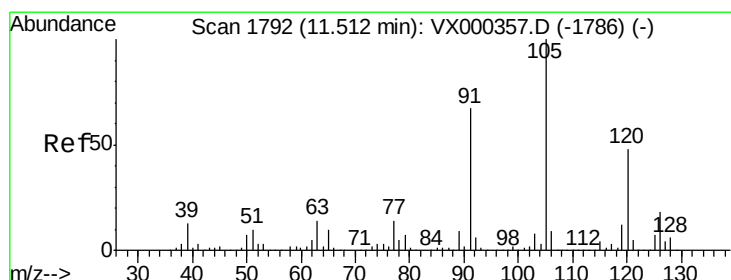
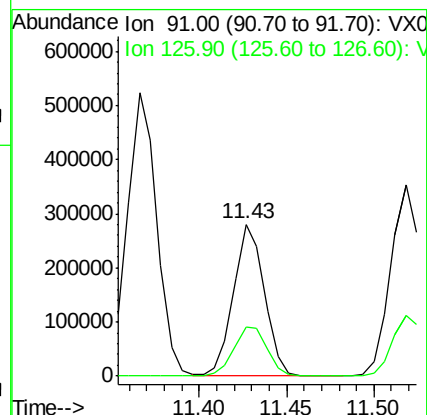
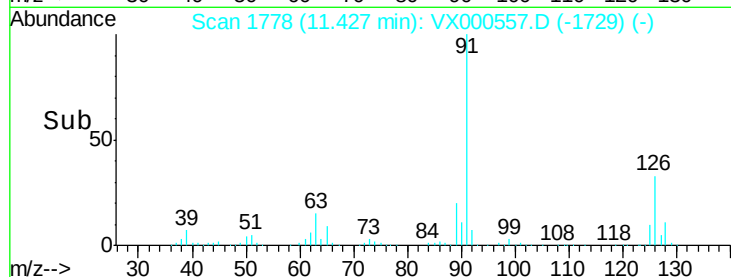
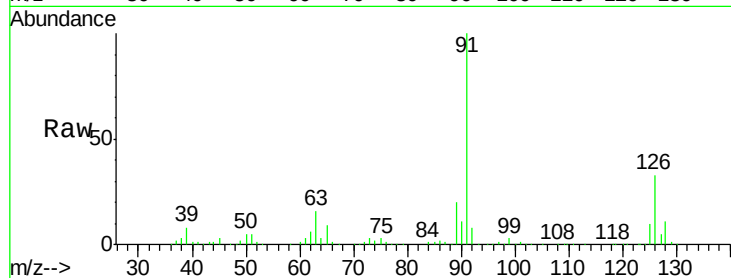
126 35.4 17.7 53.1

Manual Integrations

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sam

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#80

1,3,5-Trimethylbenzene

Concen: 51.677 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000557.D

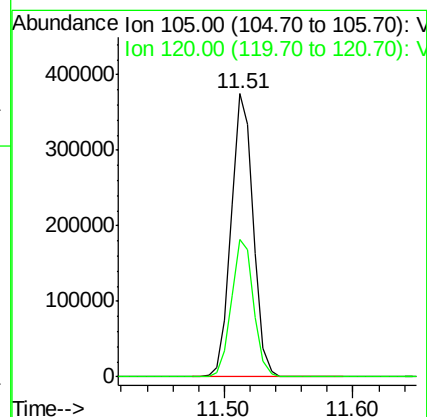
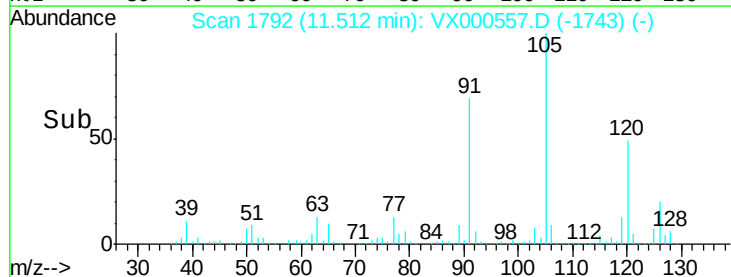
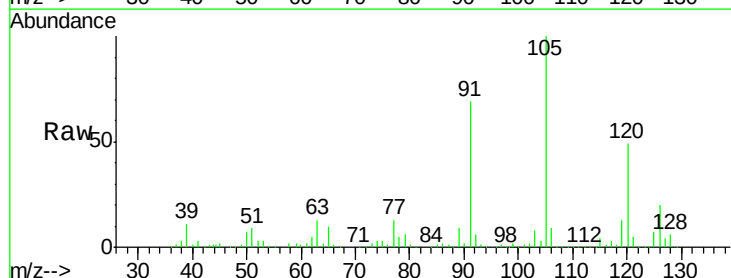
Acq: 30 Mar 2018 13:16

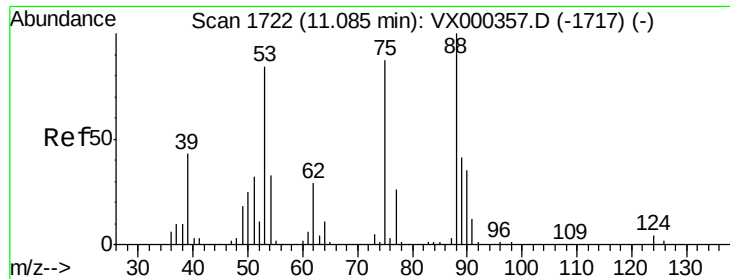
Tgt Ion: 105 Resp: 453384

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4





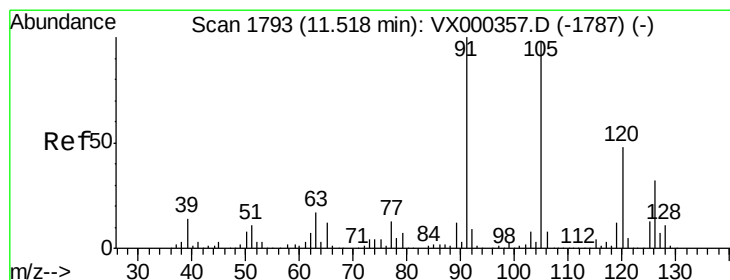
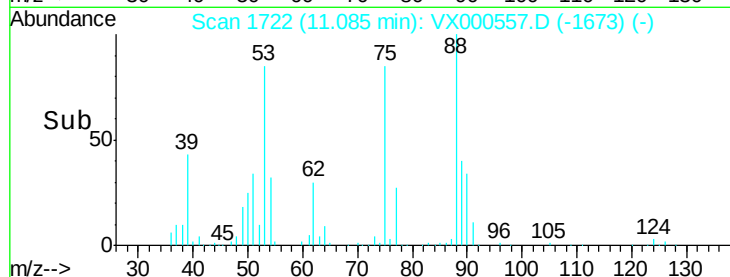
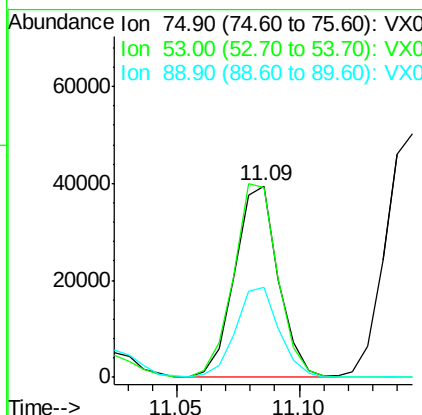
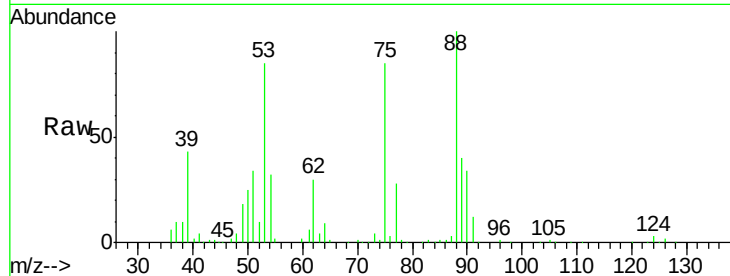
#81
trans-1,4-Dichloro-2-butene
Concen: 46.281 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.7	80.7	121.1
89	47.3	39.4	59.0

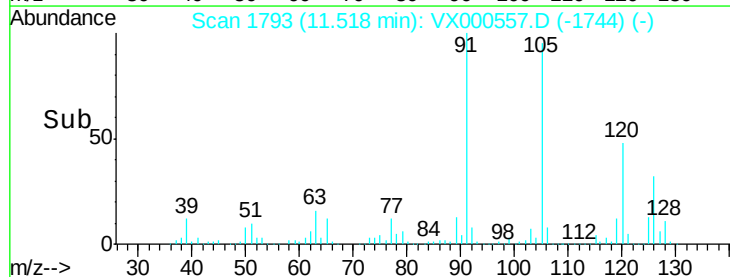
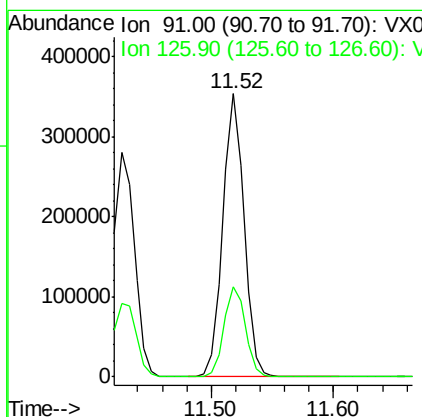
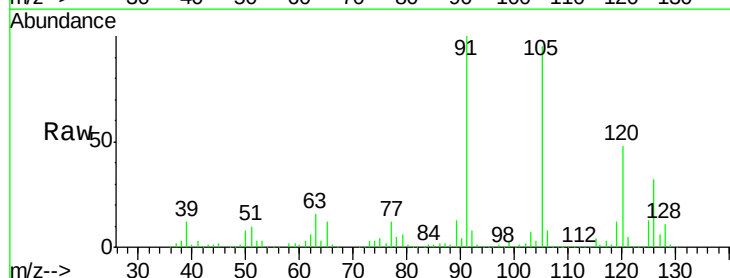
Manual Integrations
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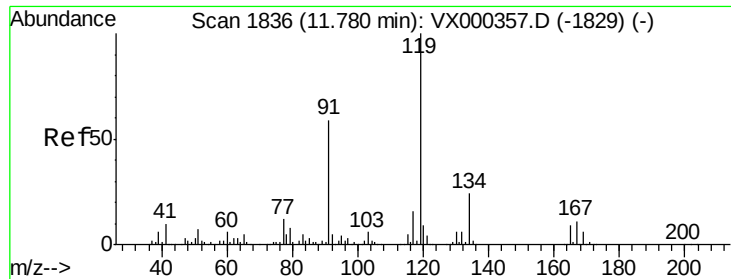
sam
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#82
4-Chlorotoluene
Concen: 49.698 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.1





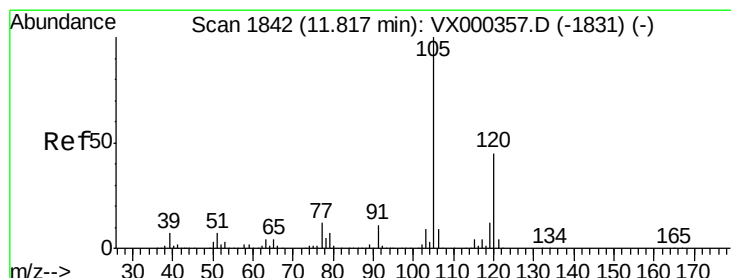
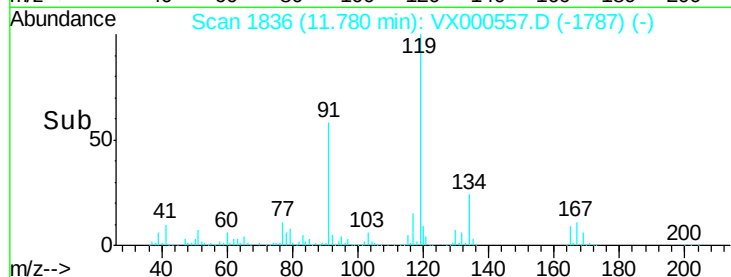
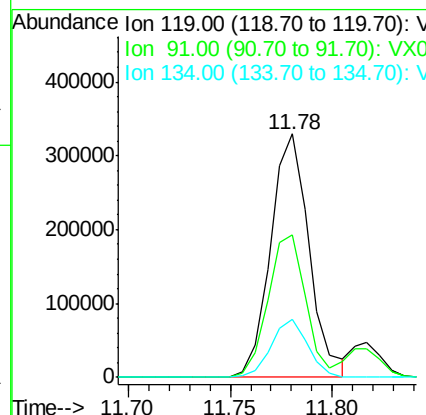
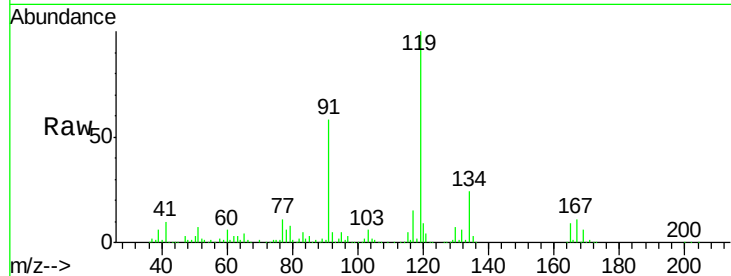
#83
 tert-Butylbenzene
 Concen: 48.991 ug/l
 RT: 11.78 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	28.8	86.4
134	22.7	11.4	34.1

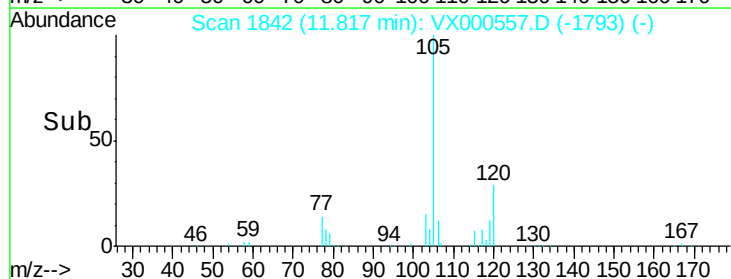
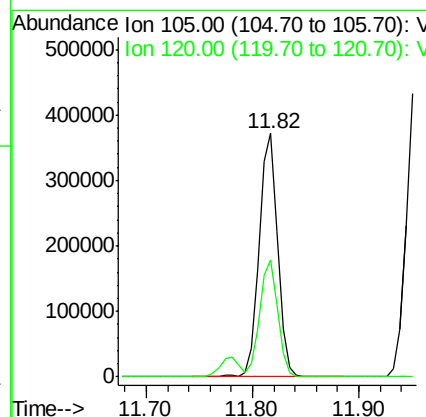
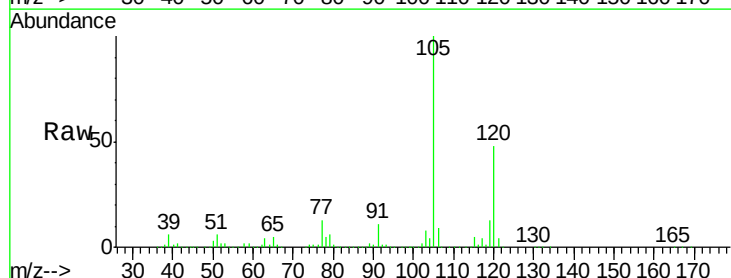
Manual Integrations
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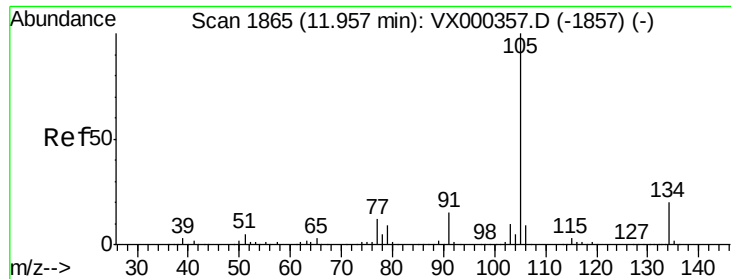
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.181 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 50.832 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 556527

Ion Ratio Lower Upper

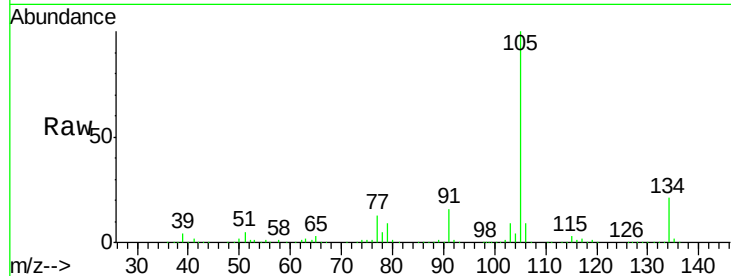
105 100

134 20.5 10.3 30.8

Manual Integrations
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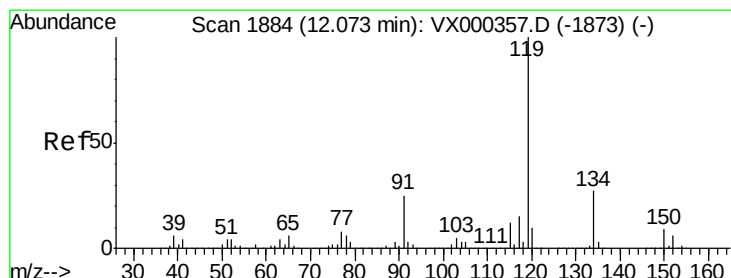
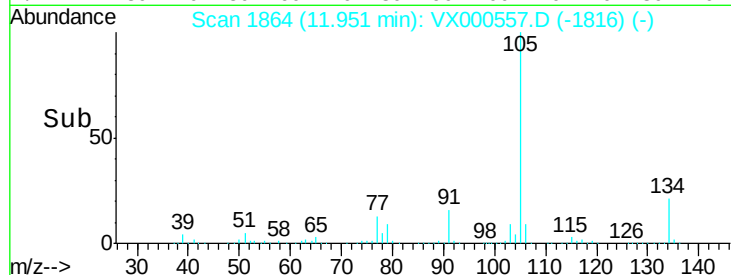
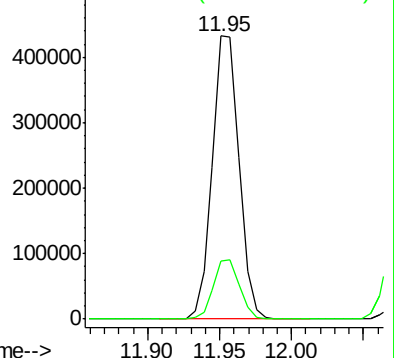
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.222 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000557.D

Acq: 30 Mar 2018 13:16

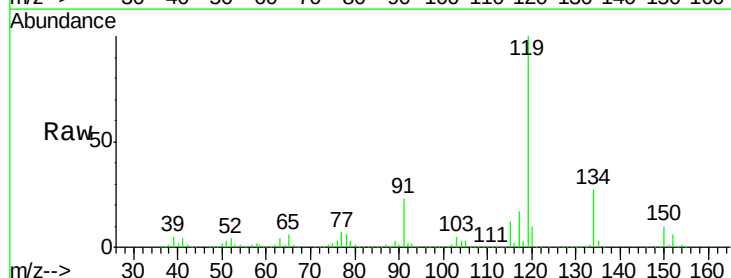
Tgt Ion:119 Resp: 517499

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

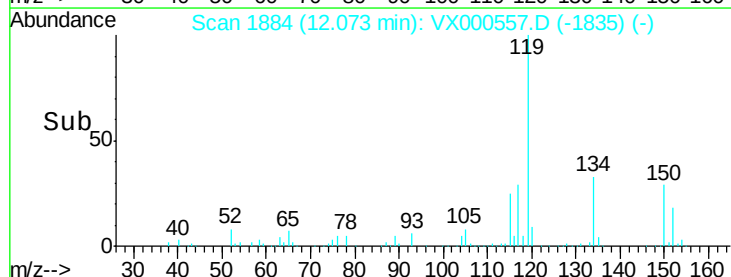
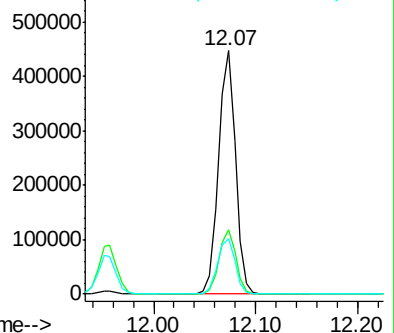
91 23.5 12.0 36.1

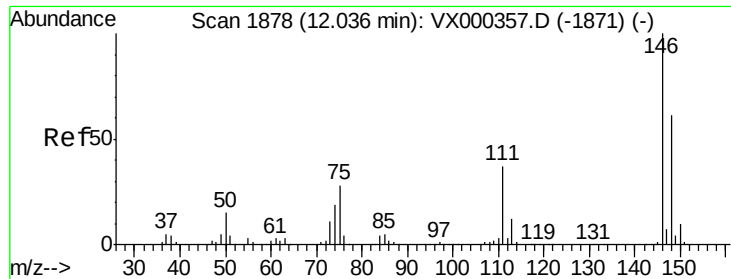


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





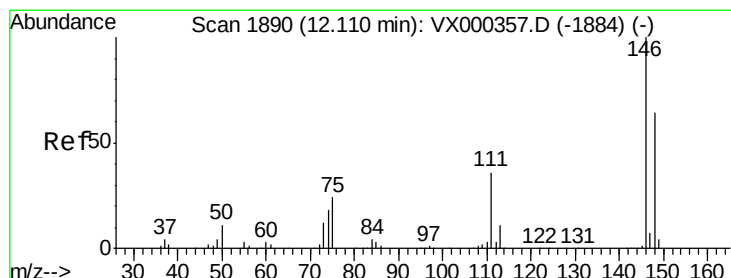
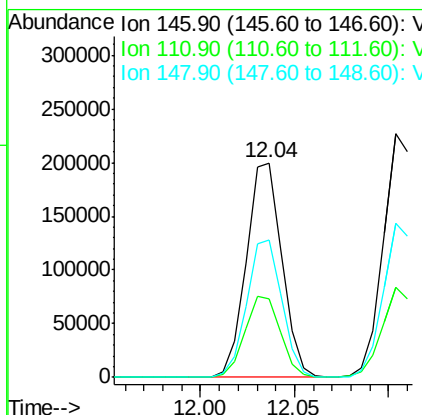
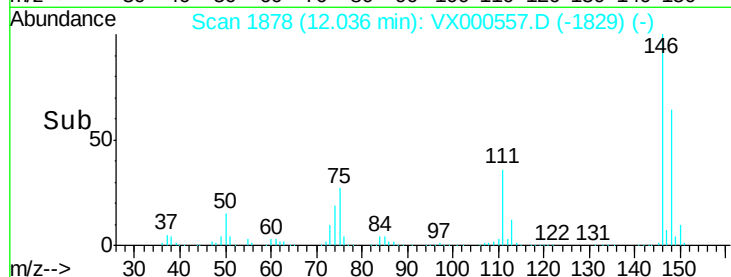
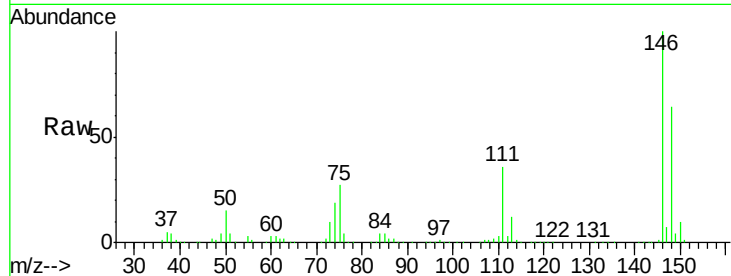
#87
 1,3-Dichlorobenzene
 Concen: 49.809 ug/l
 RT: 12.04 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.5	58.5
148	63.2	32.4	97.0

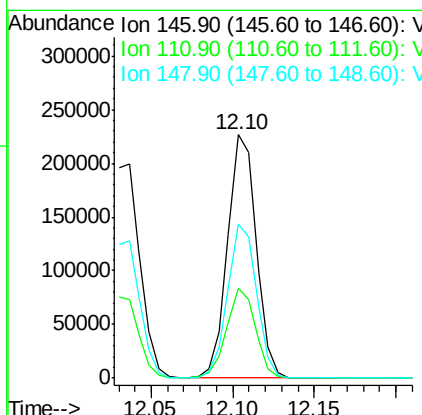
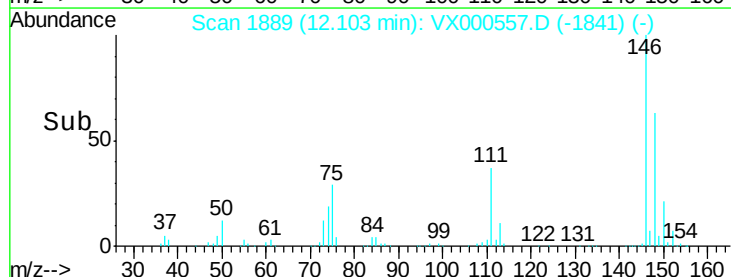
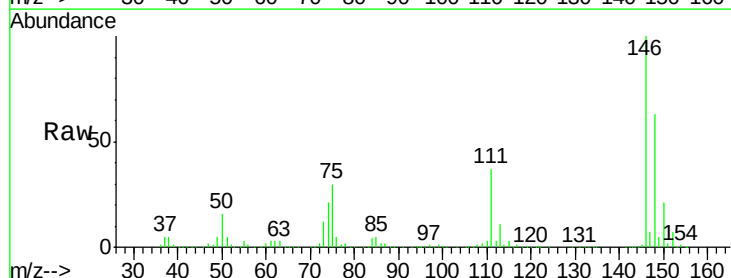
Manual Integrations
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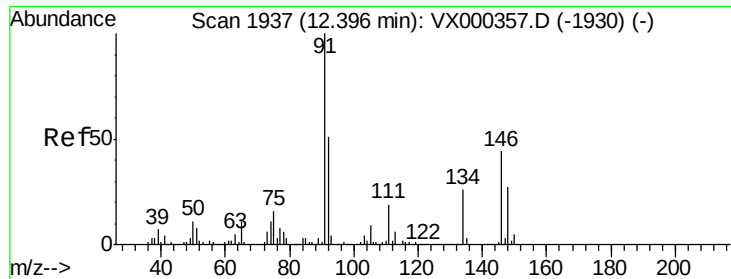
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#88
 1,4-Dichlorobenzene
 Concen: 50.157 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.1	31.0	93.0





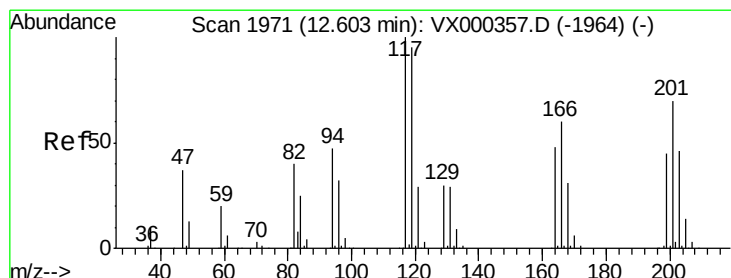
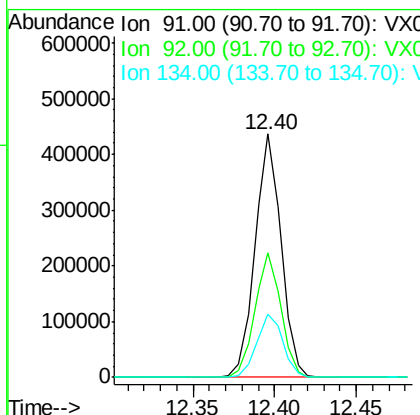
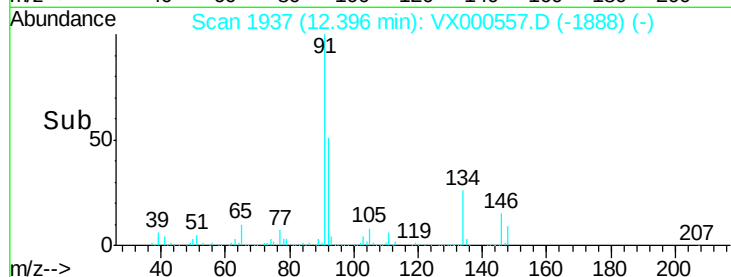
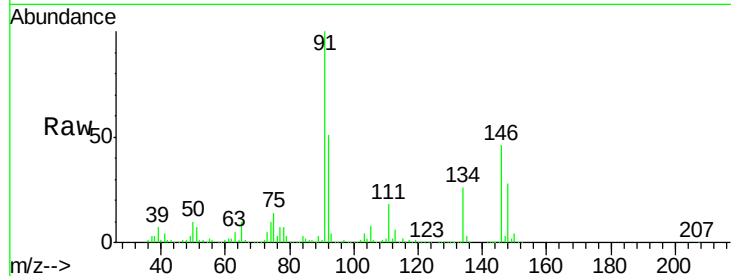
#89
n-Butylbenzene
Concen: 53.486 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.8
134	26.3	13.1	39.3

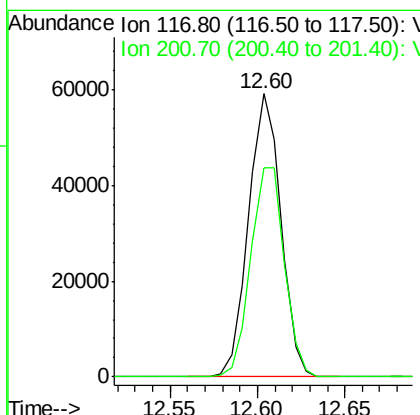
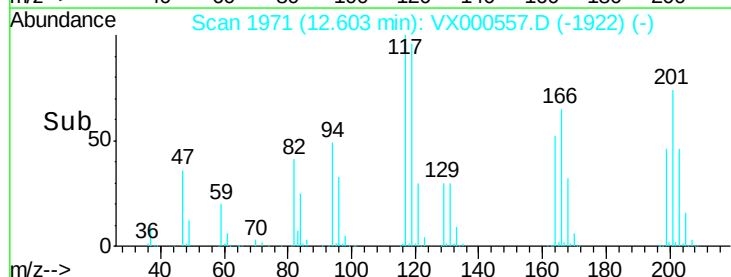
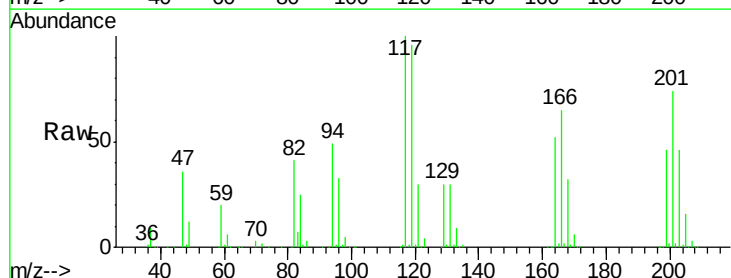
Manual Integrations
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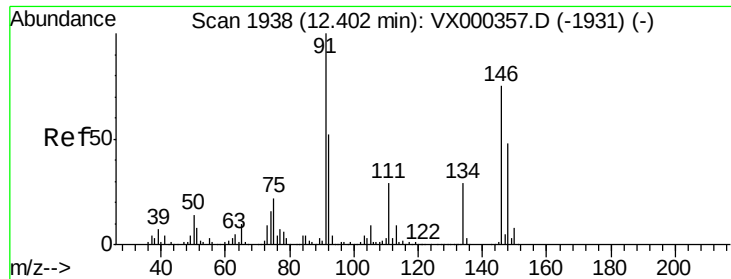
sam
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#90
Hexachloroethane
Concen: 49.758 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	37.9	113.6





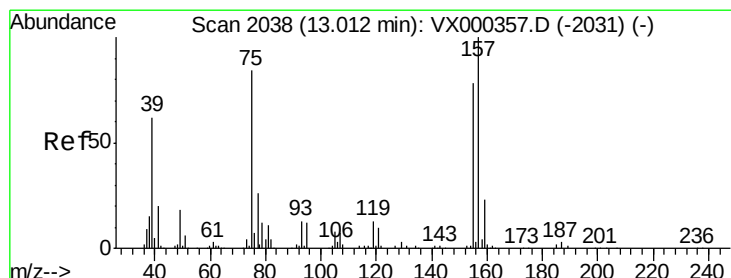
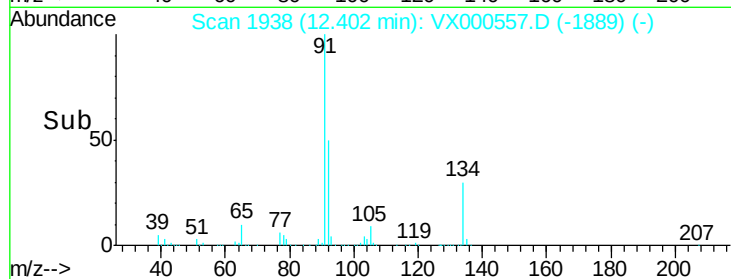
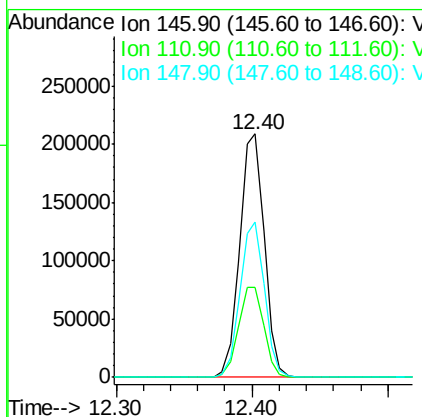
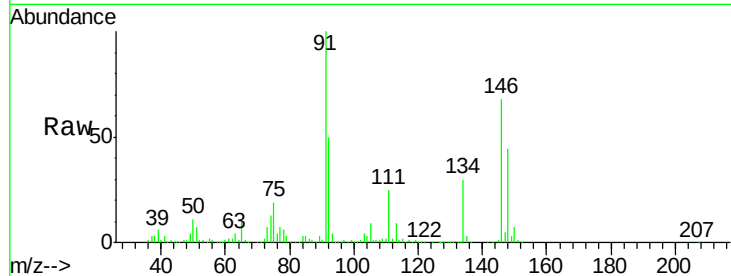
#91
 1,2-Dichlorobenzene
 Concen: 50.875 ug/l
 RT: 12.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	262138		
111	38.5	20.1	60.2	
148	63.3	31.2	93.6	

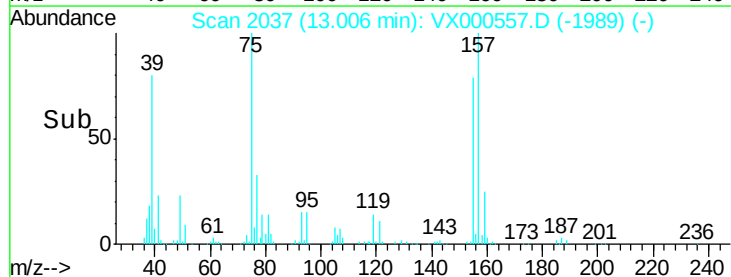
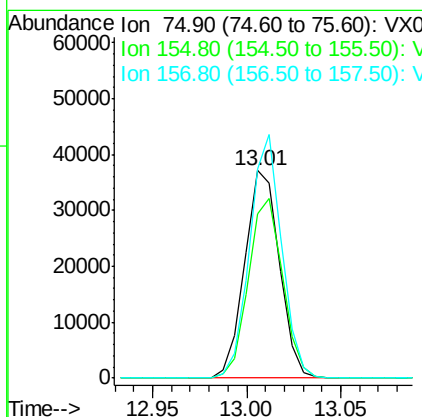
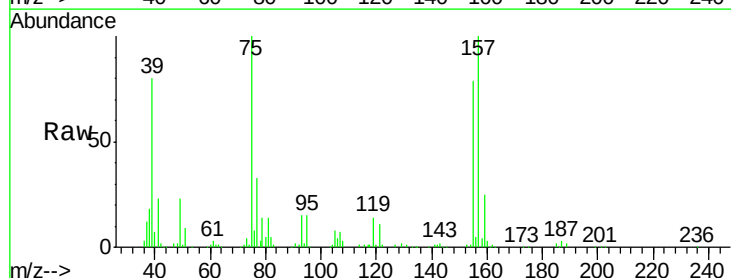
Manual Integrations
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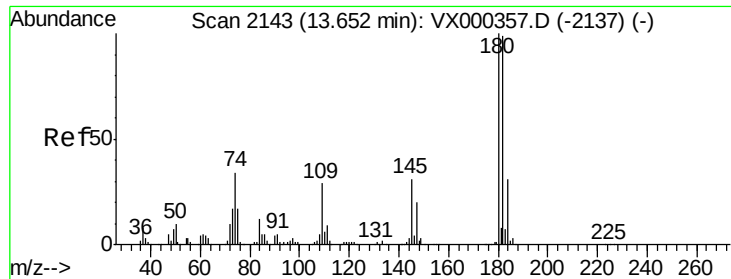
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.205 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47557		
155	85.4	45.0	134.8	
157	107.8	58.1	174.2	





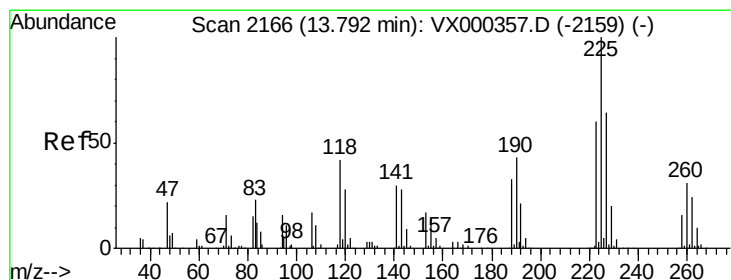
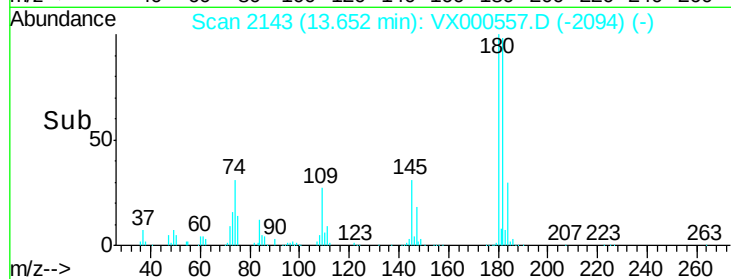
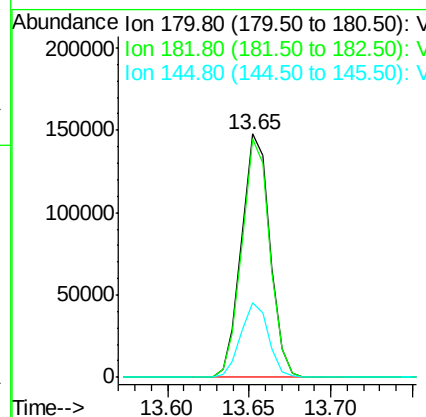
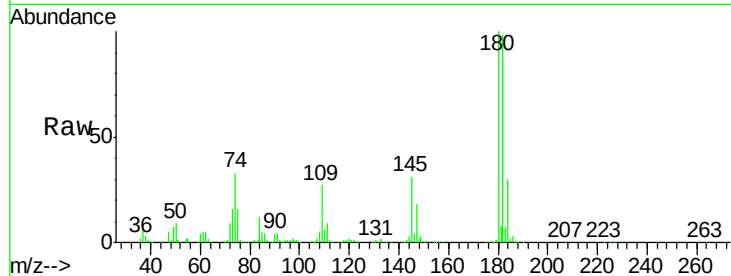
#93
 1,2,4-Trichlorobenzene
 Concen: 48.827 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180363		
182	96.2	47.6	142.9	
145	29.8	15.1	45.3	

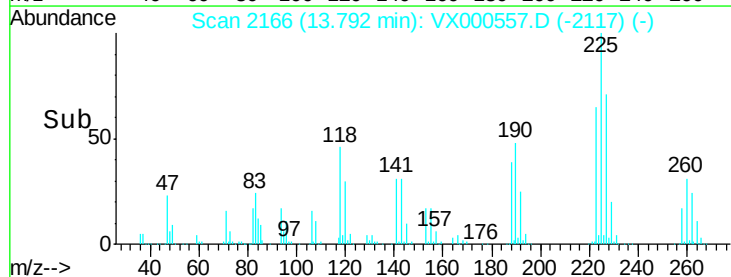
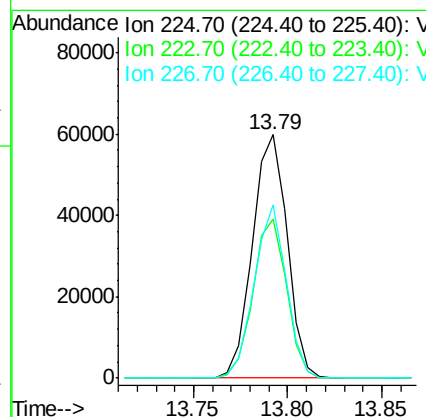
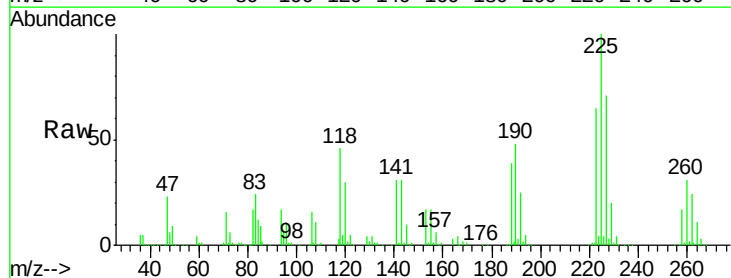
Manual Integrations
 APPROVED

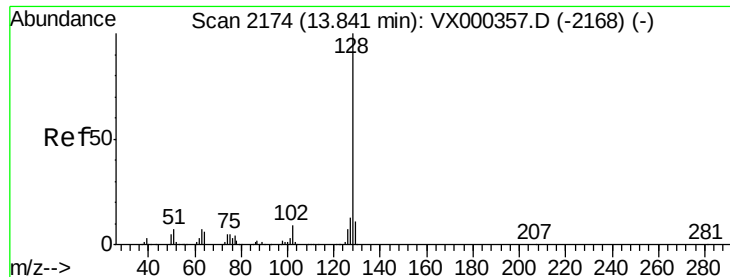
sam
 4/4/2018 6:10:49 PM



#94
 Hexachlorobutadiene
 Concen: 49.920 ug/l
 RT: 13.79 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VX000557.D
 Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76352		
223	63.3	32.0	96.0	
227	65.9	32.6	98.0	





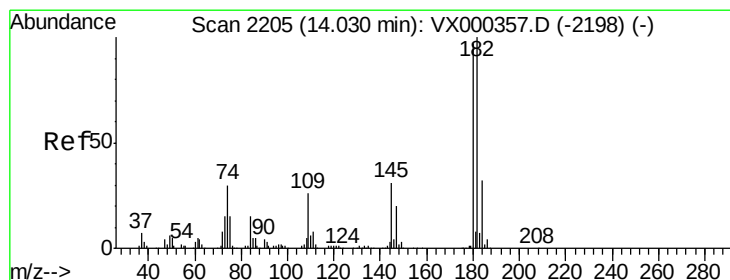
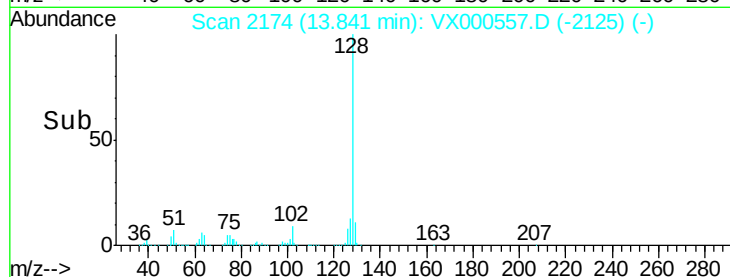
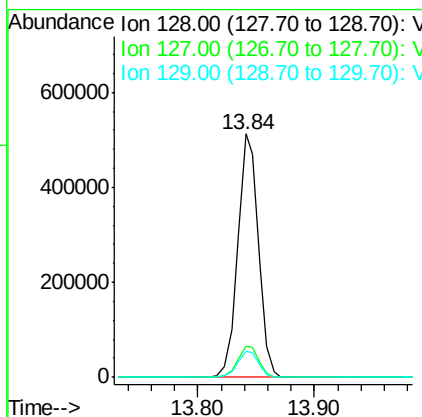
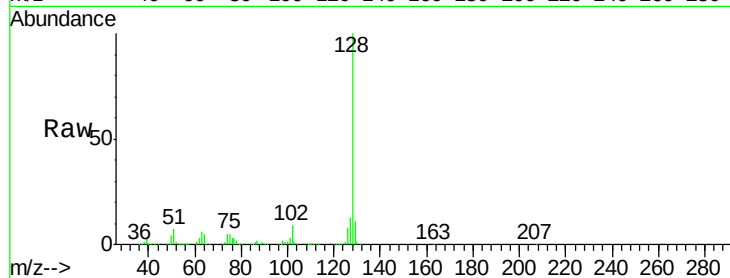
#95
Naphthalene
Concen: 48.947 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

sam
4/4/2018 6:10:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.054 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000557.D
Acq: 30 Mar 2018 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	30.4	15.8	47.3

