

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062618\
 Data File : VX002901.D
 Acq On : 26 Jun 2018 17:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 3:12:08 PM

Quant Time: Jun 27 03:54:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	180464	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.51	113	145010	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	8.72	98	529734	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	204392	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108811	46.01	ug/l	99
3) Chloromethane	1.32	50	114877	46.73	ug/l	97
4) Vinyl Chloride	1.41	62	132550	44.27	ug/l	95
5) Bromomethane	1.64	94	56112	39.58	ug/l	98
6) Chloroethane	1.71	64	85220	48.45	ug/l	99
7) Trichlorofluoromethane	1.93	101	233570	46.25	ug/l	99
8) Diethyl Ether	2.19	74	86940	47.36	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	131616	44.98	ug/l	98
10) Methyl Iodide	2.51	142	107588	37.97	ug/l	99
11) Tert butyl alcohol	3.08	59	182230	250.00	ug/l	100
12) 1,1-Dichloroethene	2.37	96	119491	45.77	ug/l	94
13) Acrolein	2.29	56	102543	253.69	ug/l	100
14) Allyl chloride	2.73	41	244264	47.46	ug/l	99
15) Acrylonitrile	3.15	53	383475	246.30	ug/l	99
16) Acetone	2.45	43	369901	244.11	ug/l	99
17) Carbon Disulfide	2.57	76	313071	45.01	ug/l	98
18) Methyl Acetate	2.78	43	223355	52.72	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	452713	48.23	ug/l	99
20) Methylene Chloride	2.86	84	136252	46.21	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	128662	45.25	ug/l	95
22) Diisopropyl ether	3.88	45	472851	48.07	ug/l	99
23) Vinyl Acetate	3.83	43	1999862	240.08	ug/l	99
24) 1,1-Dichloroethane	3.70	63	249519	46.67	ug/l	99
25) 2-Butanone	4.71	43	559611	248.84	ug/l	99
26) 2,2-Dichloropropane	4.59	77	195637	45.00	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	149435	46.87	ug/l	96
28) Bromochloromethane	5.02	49	128651	50.27	ug/l	95
29) Tetrahydrofuran	5.17	42	352993	244.77	ug/l	97
30) Chloroform	5.22	83	265985	48.47	ug/l	96
31) Cyclohexane	5.57	56	212629	46.34	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	234414	48.55	ug/l	99
36) 1,1-Dichloropropene	5.80	75	185681	46.26	ug/l	99
37) Ethyl Acetate	4.87	43	212673	49.21	ug/l	99
38) Carbon Tetrachloride	5.79	117	209195	47.49	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	217020	46.42	ug/l	97
40) Benzene	6.15	78	557032	47.76	ug/l	99
41) Methacrylonitrile	5.07	41	123533	49.64	ug/l	99
42) 1,2-Dichloroethane	6.20	62	222722	47.28	ug/l	100
43) Isopropyl Acetate	6.47	43	350370	48.34	ug/l	99
44) Trichloroethene	7.22	130	160663	46.21	ug/l	97
45) 1,2-Dichloropropane	7.52	63	149463	48.31	ug/l	99
46) Dibromomethane	7.67	93	102127	47.57	ug/l	97
47) Bromodichloromethane	7.90	83	198581	50.03	ug/l	98
48) Methyl methacrylate	7.78	41	185398	49.64	ug/l	98
49) 1,4-Dioxane	7.76	88	71298	981.27	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1153027	254.26	ug/l	99
52) Toluene	8.79	92	364442	48.78	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	228373	50.81	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	214946	49.70	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	149950	48.84	ug/l	98
56) Ethyl methacrylate	9.18	69	224666	50.07	ug/l	97
57) 1,3-Dichloropropane	9.38	76	243233	48.24	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	569141	262.93	ug/l	99
59) 2-Hexanone	9.50	43	887029	257.37	ug/l	98
60) Dibromochloromethane	9.59	129	164680	50.96	ug/l	100
61) 1,2-Dibromoethane	9.68	107	157835	49.01	ug/l	100
64) Tetrachloroethene	9.34	164	180067	45.51	ug/l	100
65) Chlorobenzene	10.14	112	420595	46.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	158012	48.12	ug/l	100
67) Ethyl Benzene	10.26	91	722500	48.39	ug/l	98
68) m/p-Xylenes	10.36	106	558415	97.04	ug/l	99
69) o-Xylene	10.70	106	272191	48.58	ug/l	100
70) Styrene	10.71	104	451639	49.60	ug/l	99
71) Bromoform	10.86	173	130033	44.31	ug/l	99
73) Isopropylbenzene	11.02	105	746492	48.80	ug/l	100
74) N-amyl acetate	6.47	43	350370	46.81	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	229714	48.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	228125m	55.39	ug/l	
77) Bromobenzene	11.26	156	206098	47.31	ug/l	98
78) n-propylbenzene	11.37	91	849936	48.81	ug/l	99
79) 2-Chlorotoluene	11.43	91	499972	47.43	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	632546	49.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	61391	43.70	ug/l	99
82) 4-Chlorotoluene	11.51	91	601748	48.22	ug/l	100
83) tert-Butylbenzene	11.77	119	629331	49.56	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	652184	48.86	ug/l	98
85) sec-Butylbenzene	11.95	105	757793	49.20	ug/l	100
86) p-Isopropyltoluene	12.07	119	681710	49.23	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	378531	47.58	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	380461	46.47	ug/l	99
89) n-Butylbenzene	12.39	91	593237	49.22	ug/l	100
90) Hexachloroethane	12.60	117	100332	48.71	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	382077	47.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52428	49.49	ug/l	99

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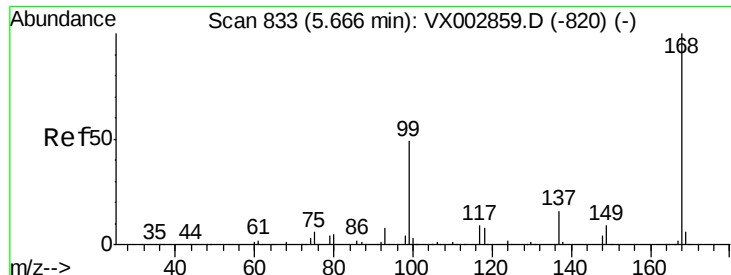
Manual Integrations
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6/28/2018 3:12:08 PM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	280682	48.03	ug/l	99
94) Hexachlorobutadiene	13.79	225	138132	47.39	ug/l	99
95) Naphthalene	13.84	128	789441	50.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	287156	49.19	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 264727

Ion Ratio Lower Upper

168 100

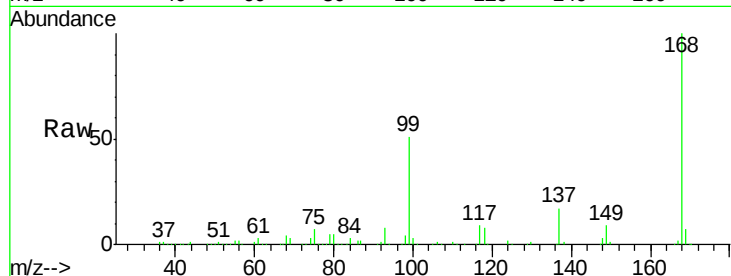
99 50.7 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

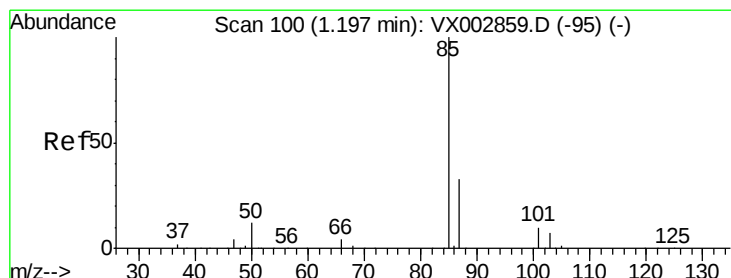
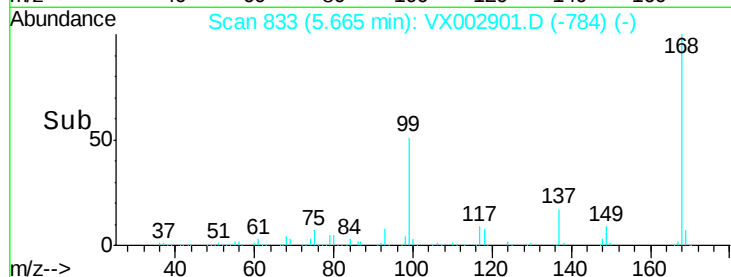
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.01 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002901.D

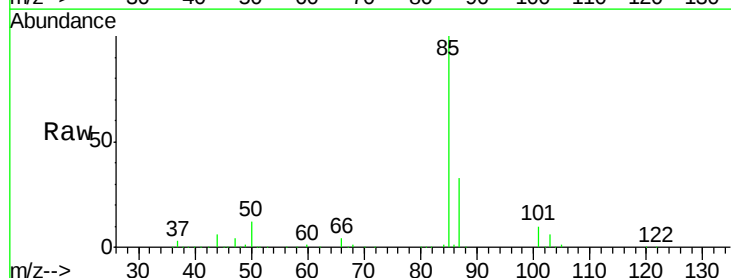
Acq: 26 Jun 2018 17:02

Tgt Ion: 85 Resp: 108811

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

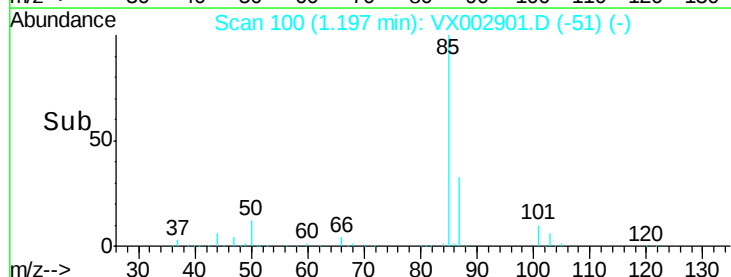
60000

40000

20000

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Time-->





#3

Chloromethane

Concen: 46.73 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 114877

Ion Ratio Lower Upper

50 100

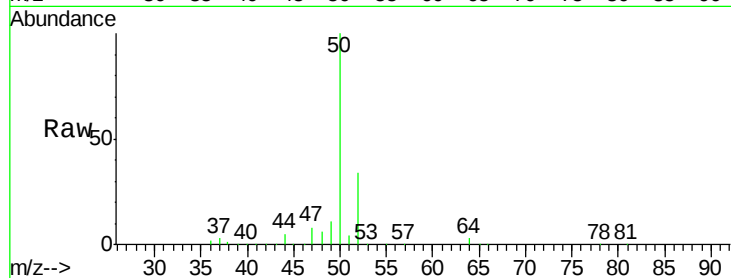
52 33.6 25.7 38.5

Manual Integrations

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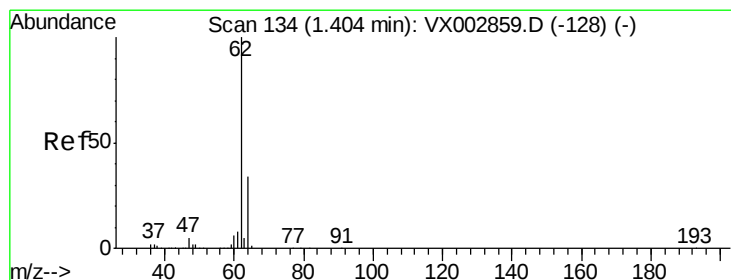
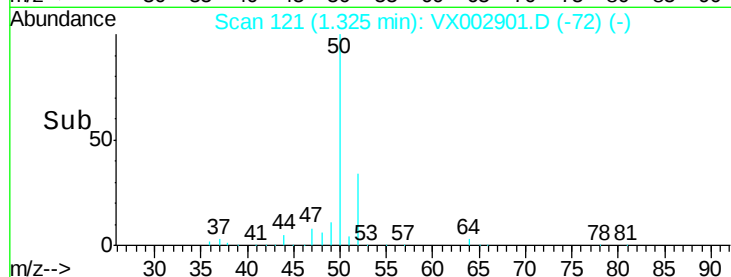
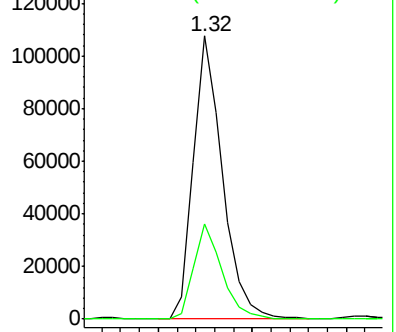
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.27 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002901.D

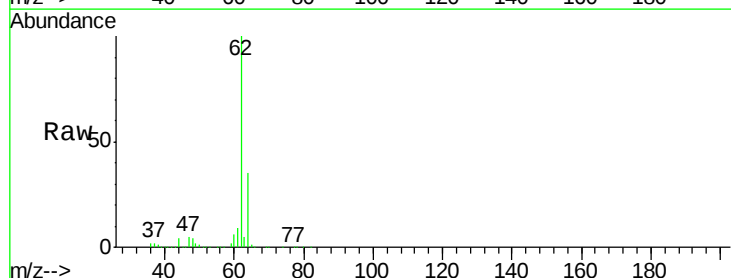
Acq: 26 Jun 2018 17:02

Tgt Ion: 62 Resp: 132550

Ion Ratio Lower Upper

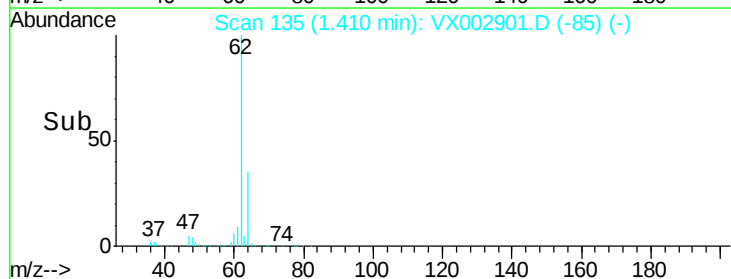
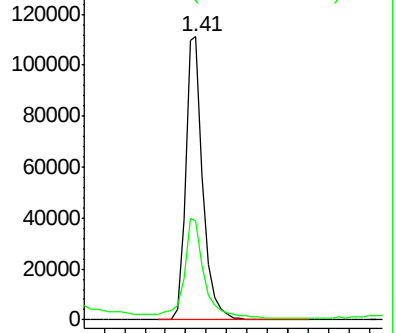
62 100

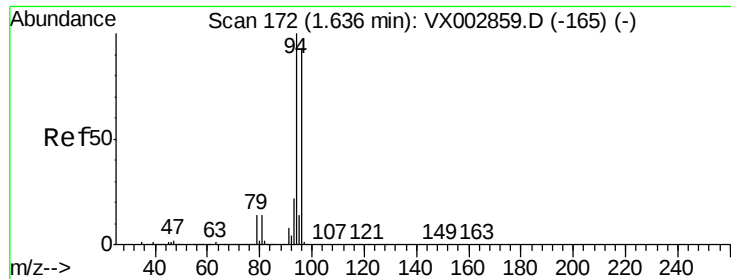
64 34.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 39.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56112

Ion Ratio Lower Upper

94 100

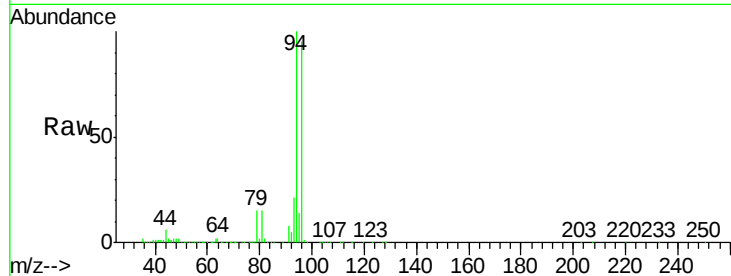
96 95.1 74.9 112.3

Manual Integrations

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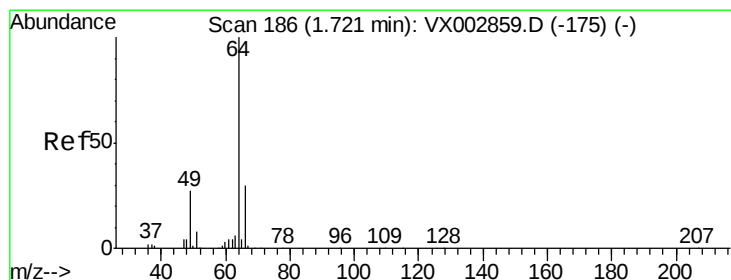
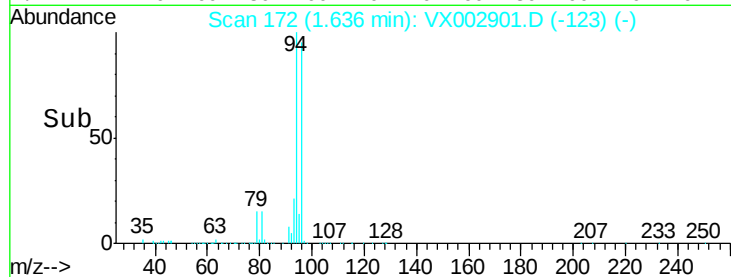
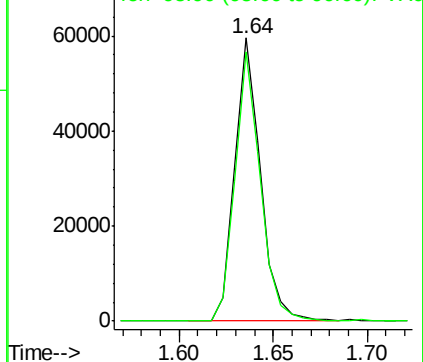
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.45 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002901.D

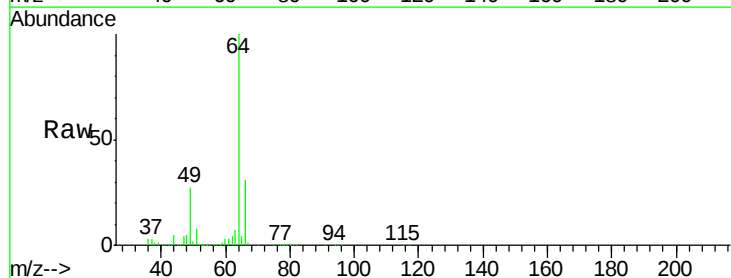
Acq: 26 Jun 2018 17:02

Tgt Ion: 64 Resp: 85220

Ion Ratio Lower Upper

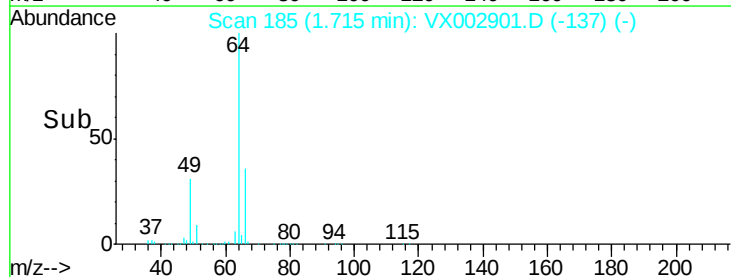
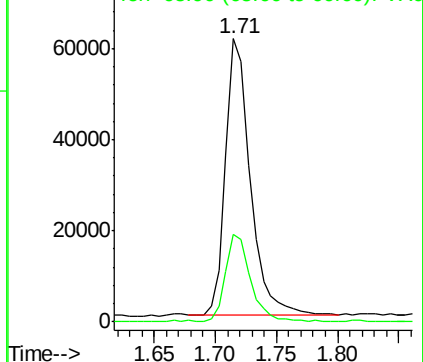
64 100

66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

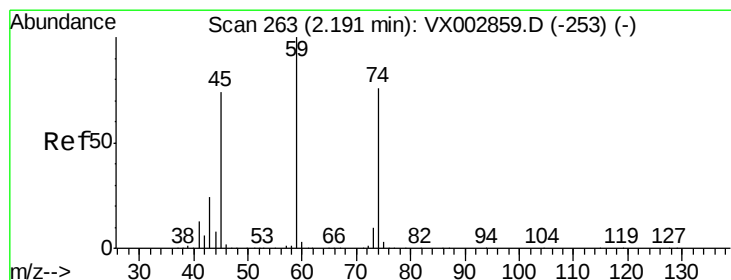
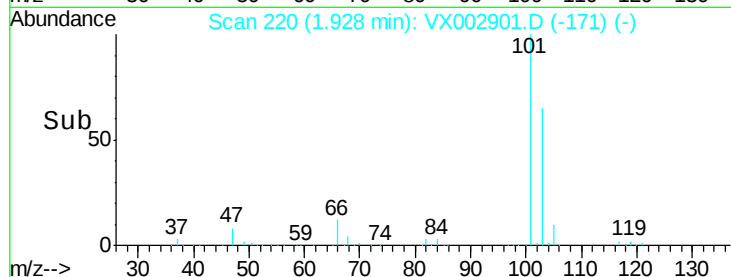
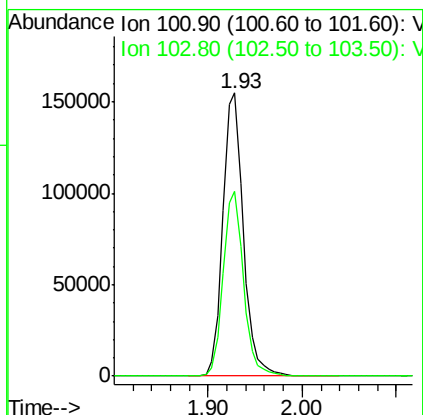
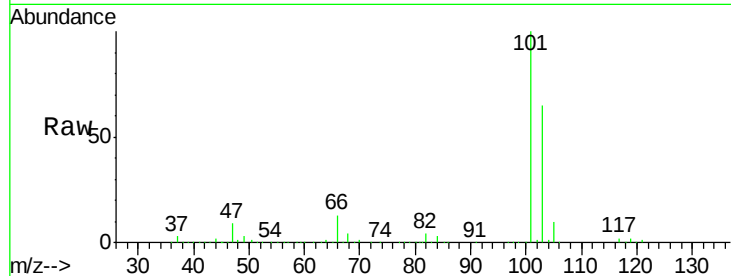
Trichlorofluoromethane
Concen: 46.25 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.8	79.2

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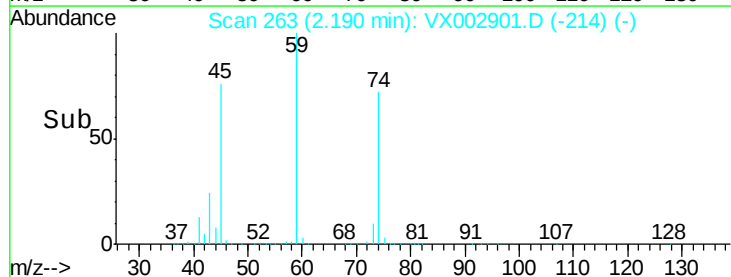
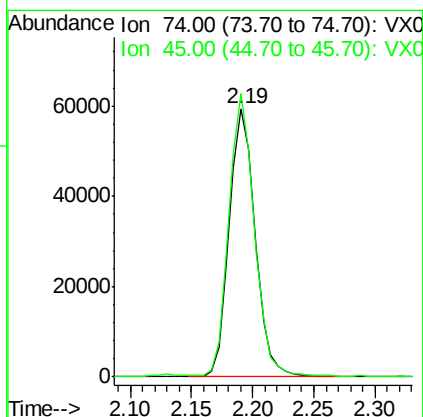
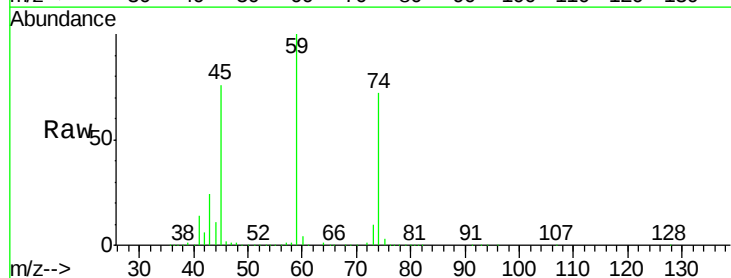
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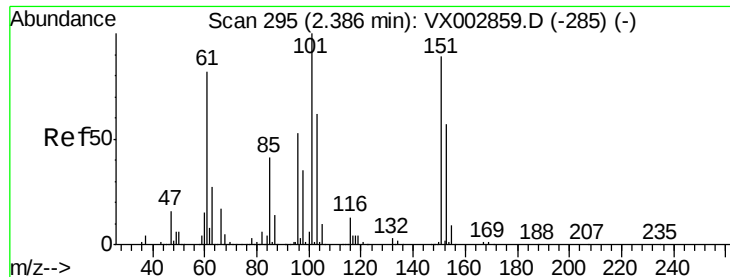


#8

Diethyl Ether
Concen: 47.36 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.98 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

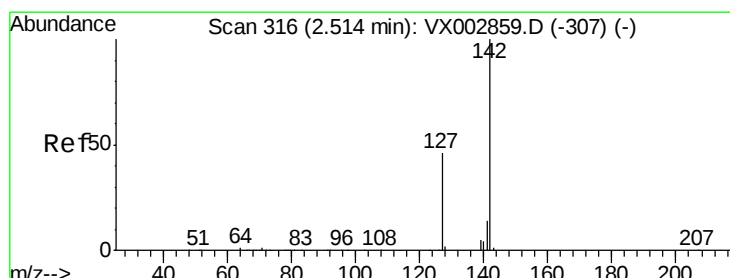
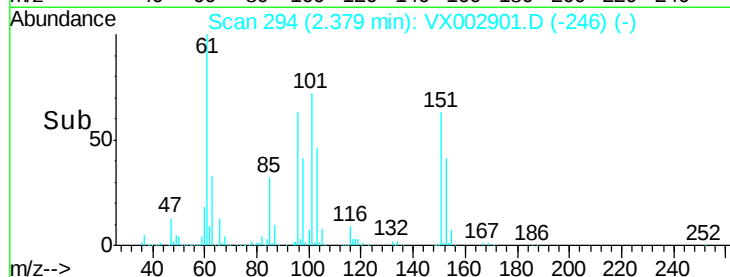
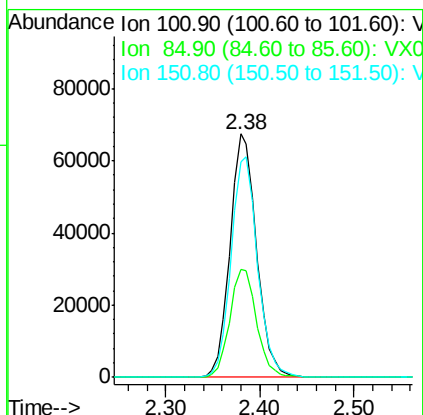
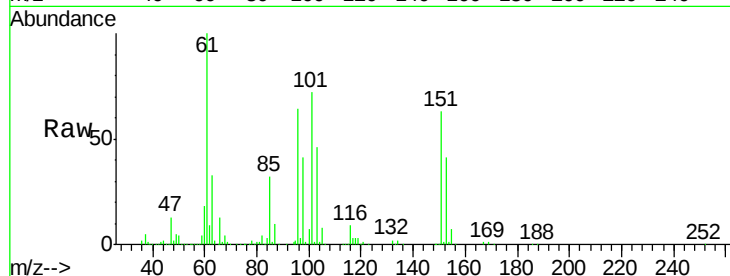
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	131616
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	90.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 37.97 ug/l

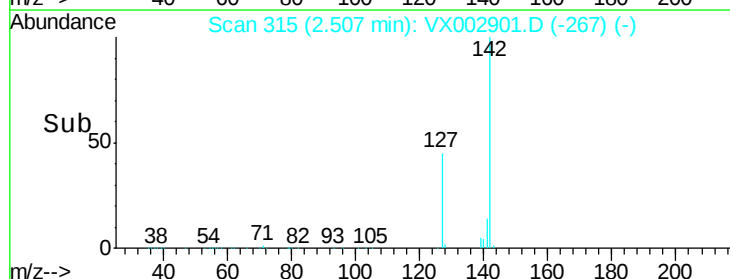
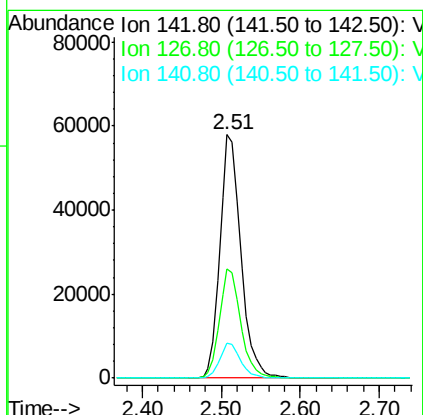
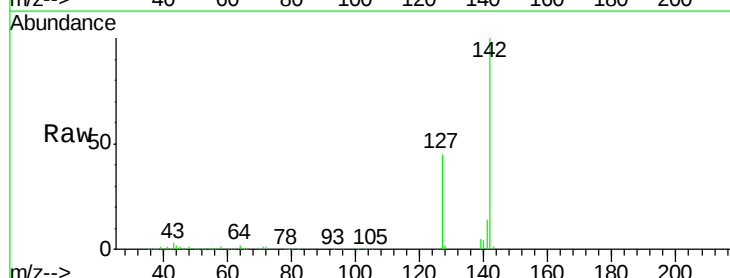
RT: 2.51 min Scan# 315

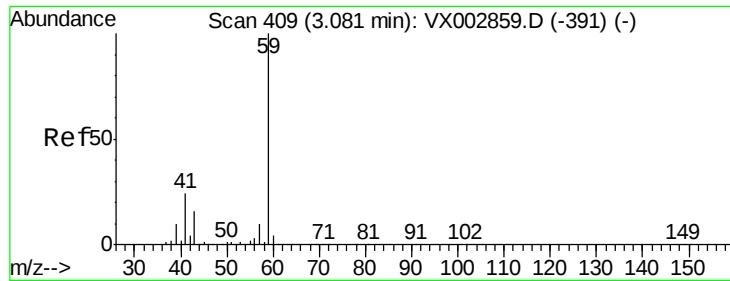
Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	142	Resp:	107588
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.6	55.0
141	14.3	11.3	16.9





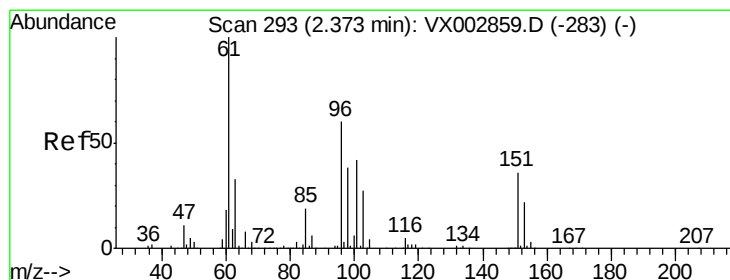
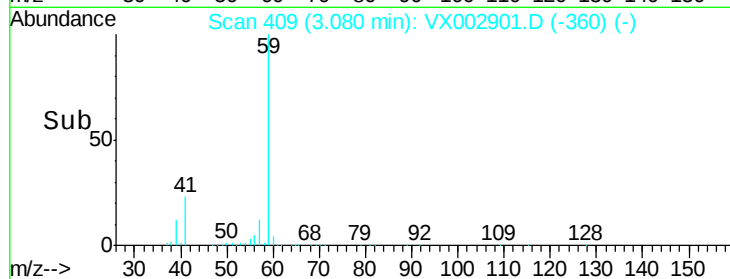
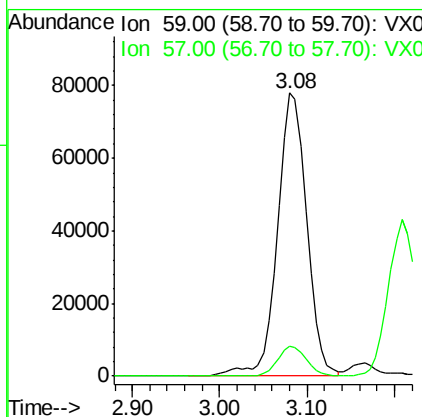
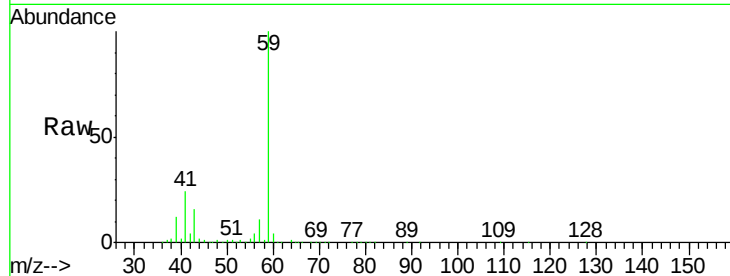
#11
Tert butyl alcohol
Concen: 250.00 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 182230
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

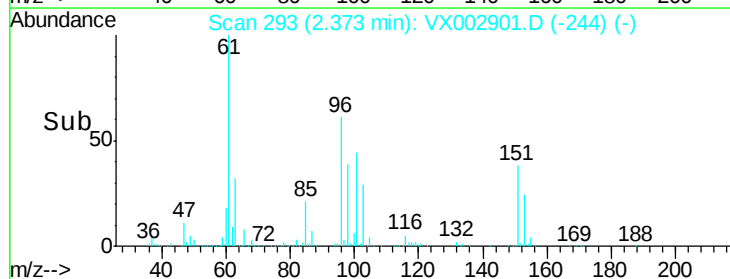
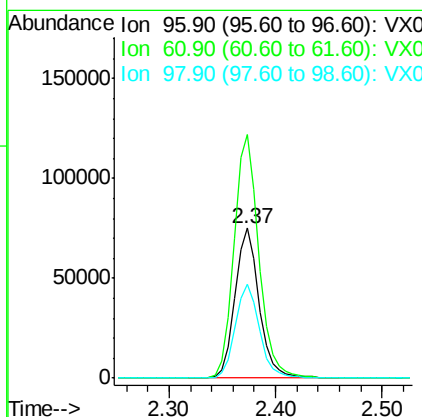
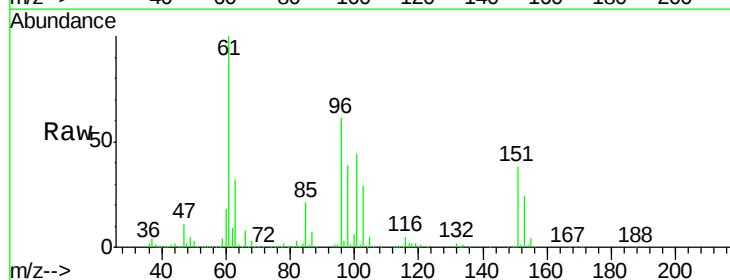
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 45.77 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 96 Resp: 119491
Ion Ratio Lower Upper
96 100
61 162.8 137.9 206.9
98 63.1 51.6 77.4





#13

Acrolein

Concen: 253.69 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 102543

Ion Ratio Lower Upper

56 100

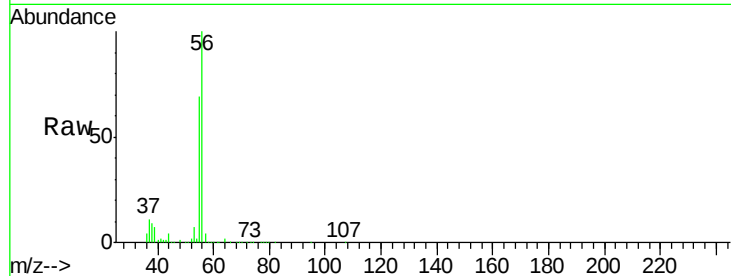
55 71.2 57.0 85.4

Manual Integrations

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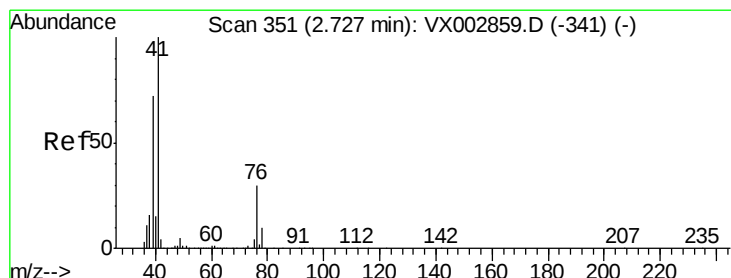
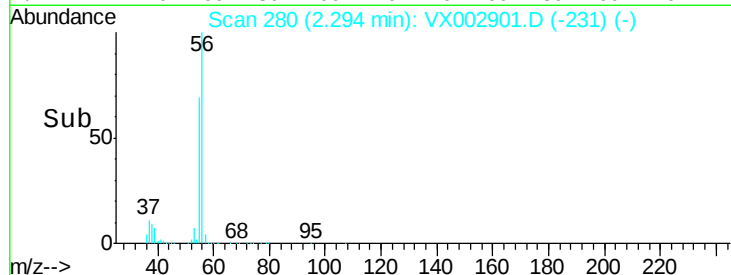
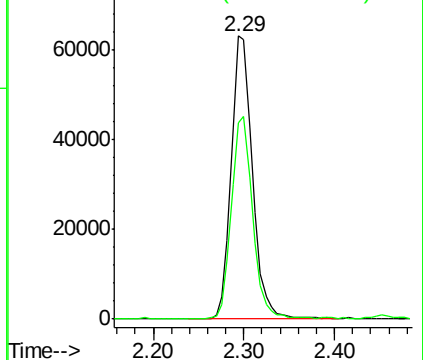
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.46 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

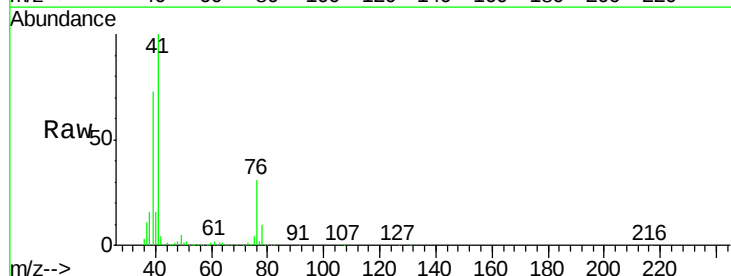
Tgt Ion: 41 Resp: 244264

Ion Ratio Lower Upper

41 100

39 69.5 56.8 85.2

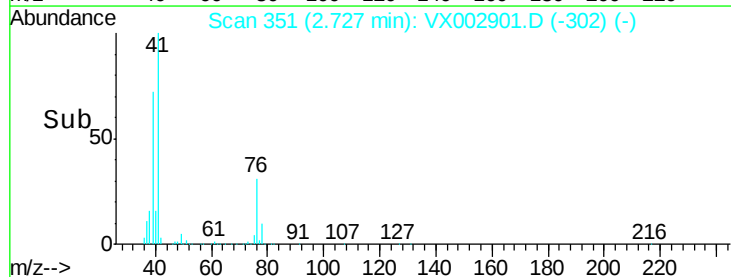
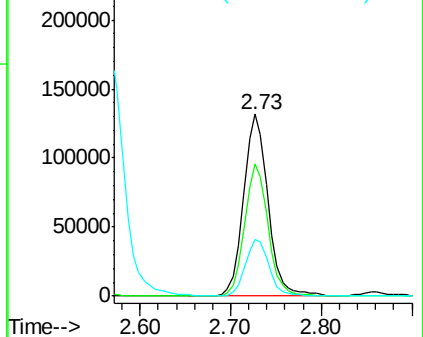
76 30.1 23.8 35.8

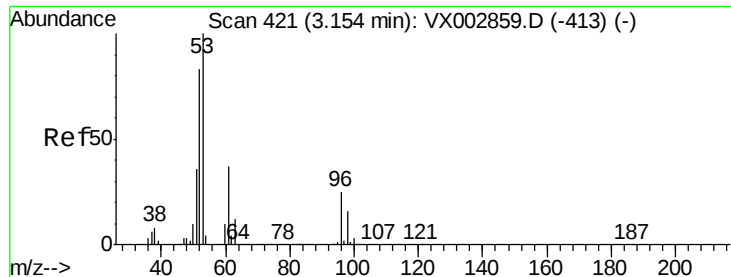


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 246.30 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

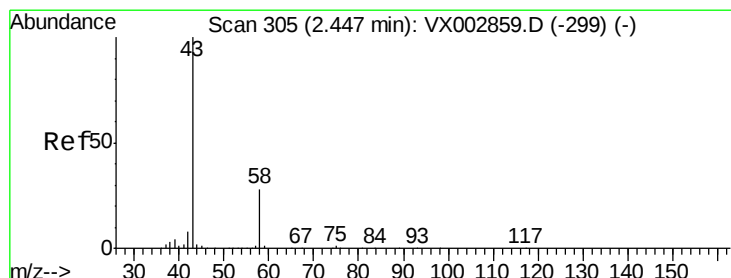
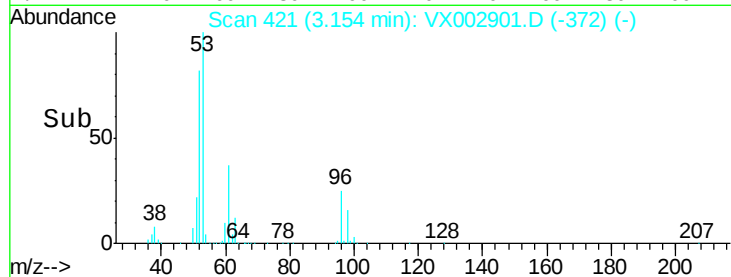
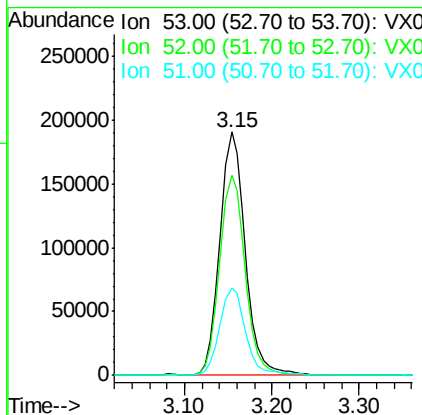
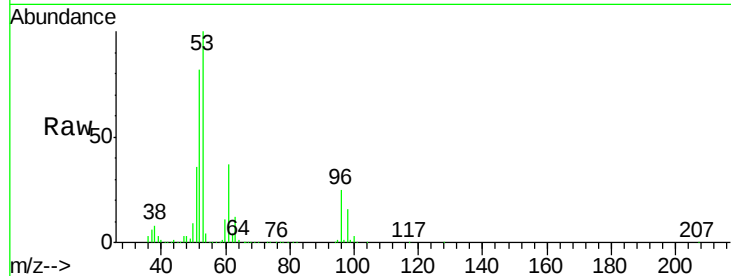
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	383475
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.7	100.1
51	36.9	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 244.11 ug/l

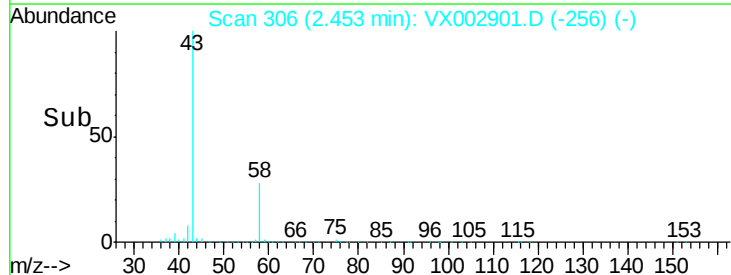
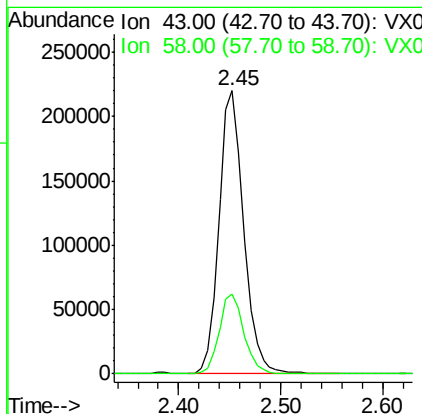
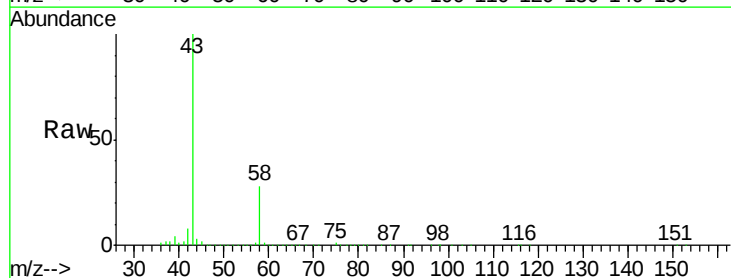
RT: 2.45 min Scan# 306

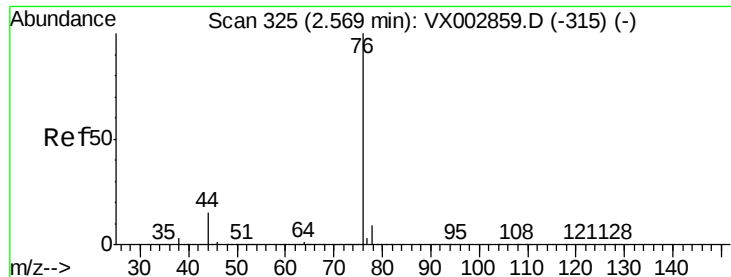
Delta R.T. 0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	43	Resp:	369901
Ion Ratio		Lower	Upper
43	100		
58	28.3	22.1	33.1





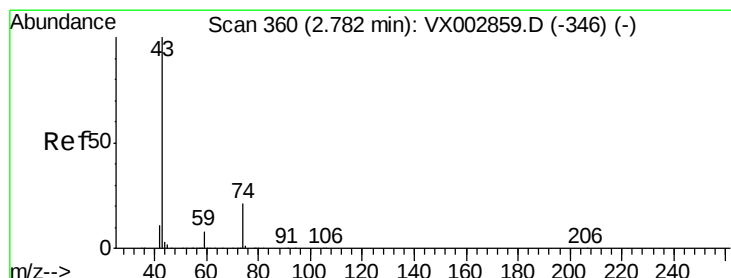
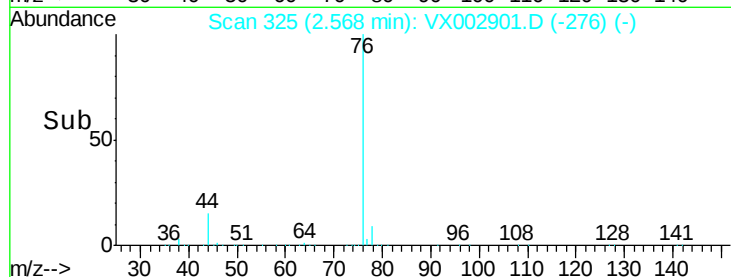
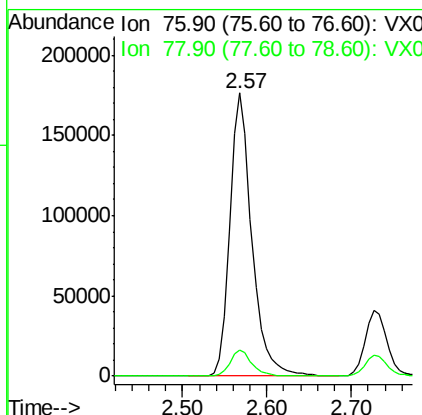
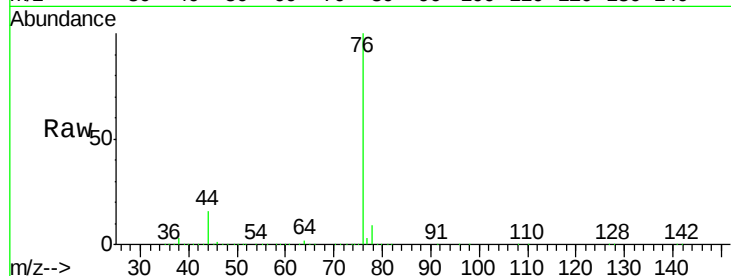
#17
Carbon Disulfide
Concen: 45.01 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

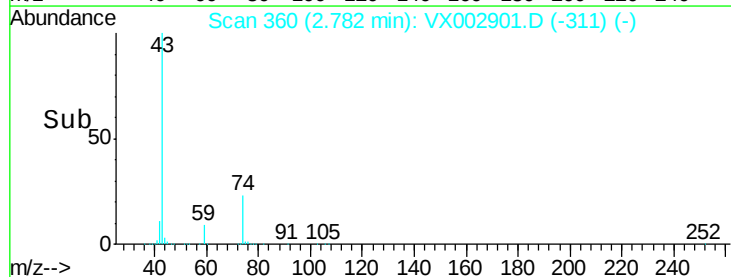
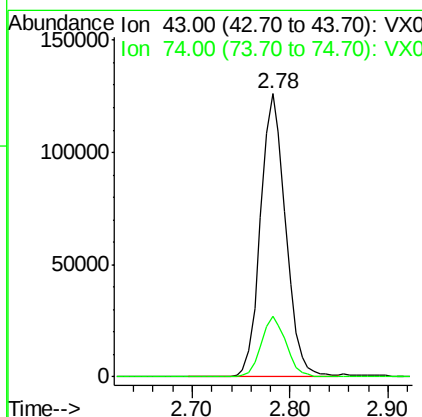
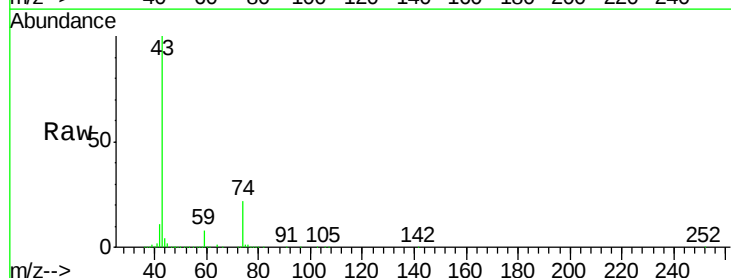
Manual Integrations
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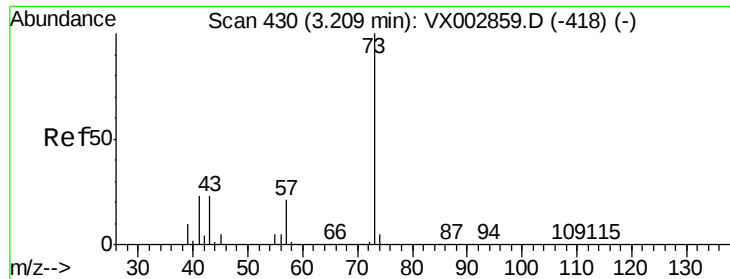
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#18
Methyl Acetate
Concen: 52.72 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1





#19

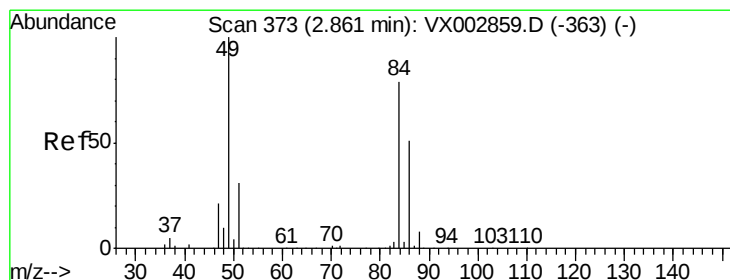
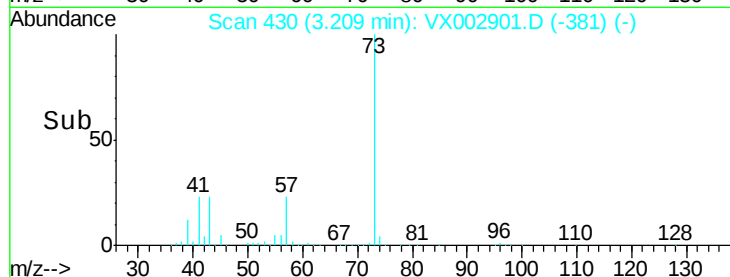
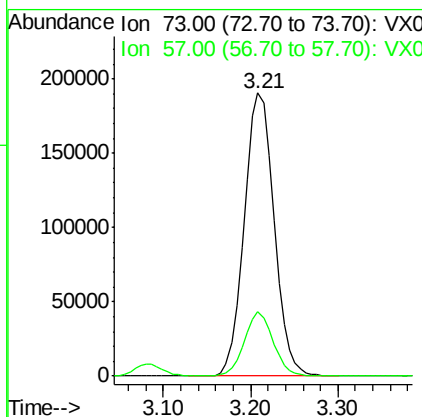
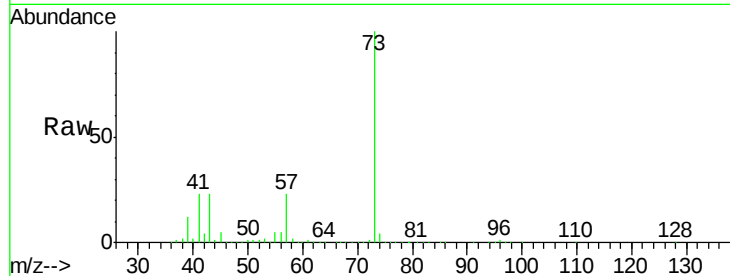
Methyl tert-butyl Ether
 Concen: 48.23 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	452713
Ion Ratio	Lower	Upper	
73	100		
57	22.7	17.7	26.5

Manual Integrations
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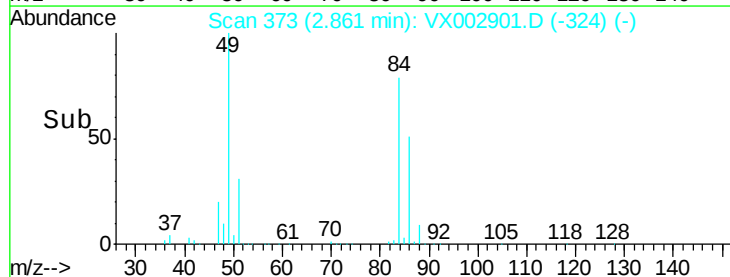
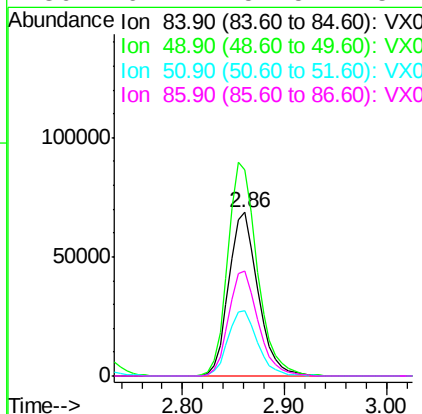
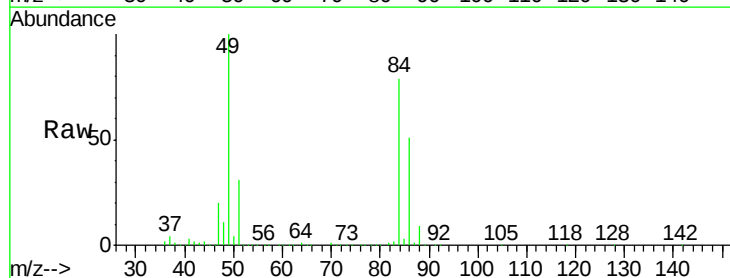
MMDadoda
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#20

Methylene Chloride
 Concen: 46.21 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	84	Resp	136252
Ion Ratio	Lower	Upper	
84	100		
49	126.1	107.8	161.6
51	39.5	32.8	49.2
86	64.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 45.25 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 128662

Ion Ratio Lower Upper

96 100

61 137.6 117.0 175.4

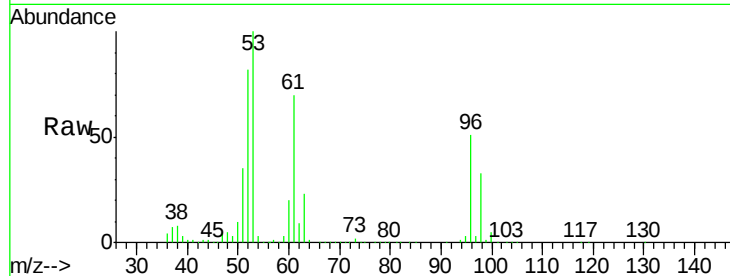
98 64.6 52.4 78.6

Manual Integrations

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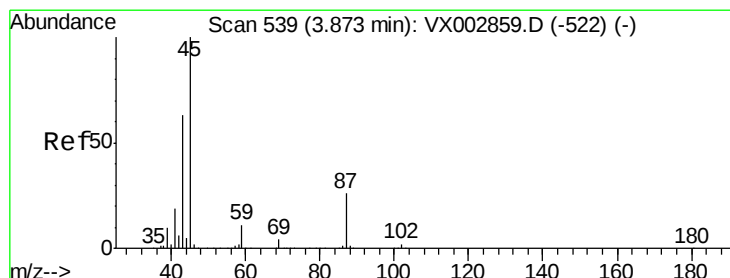
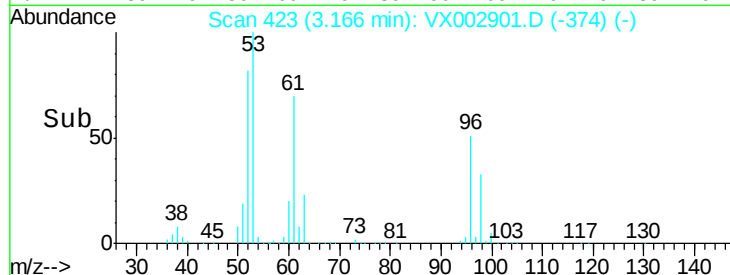
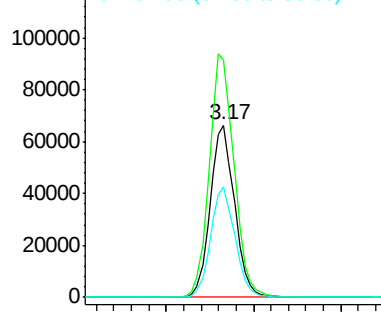


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.07 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion: 45 Resp: 472851

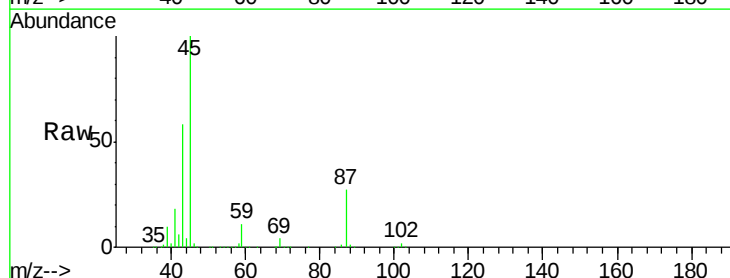
Ion Ratio Lower Upper

45 100

43 58.3 46.8 70.2

87 26.8 20.2 30.4

59 11.1 8.7 13.1



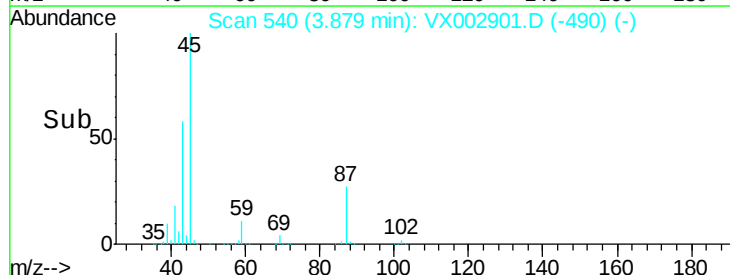
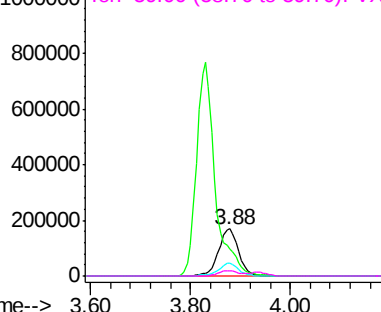
Abundance

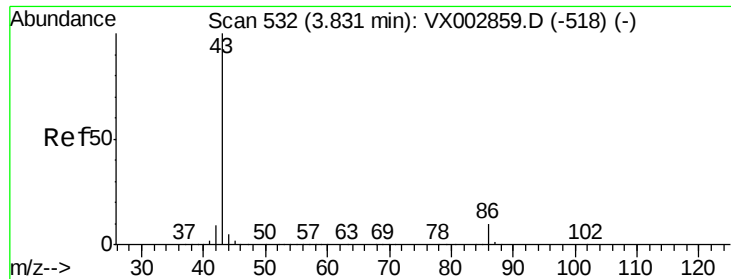
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





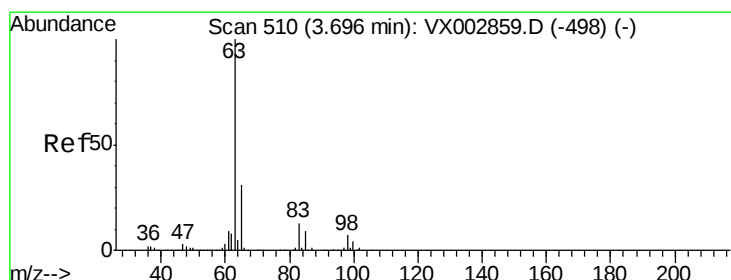
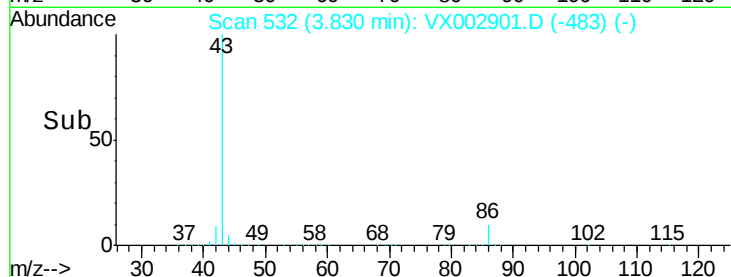
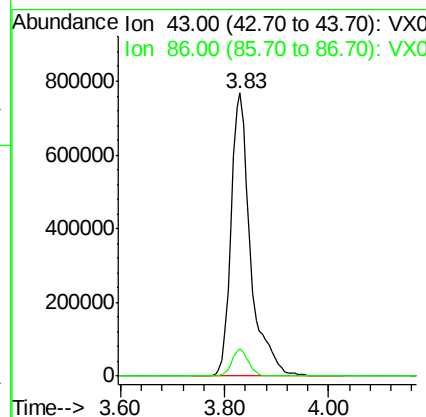
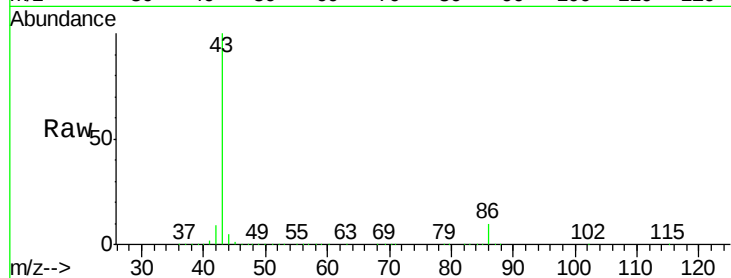
#23
 Vinyl Acetate
 Concen: 240.08 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1999862
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.4 11.0

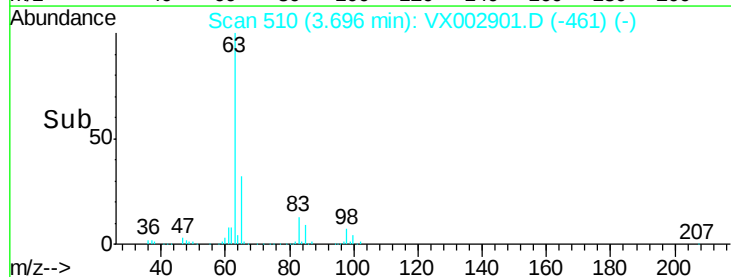
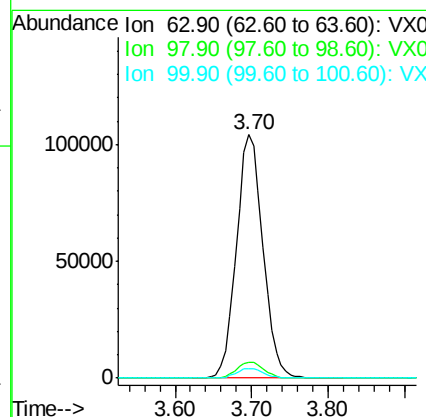
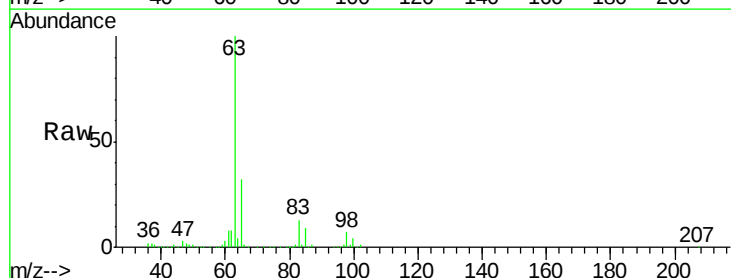
Manual Integrations
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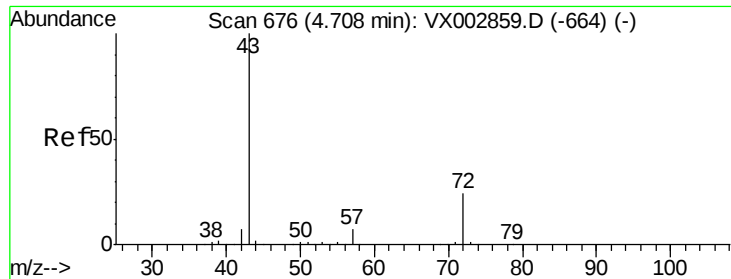
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 46.67 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion: 63 Resp: 249519
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 3.7 2.0 6.0





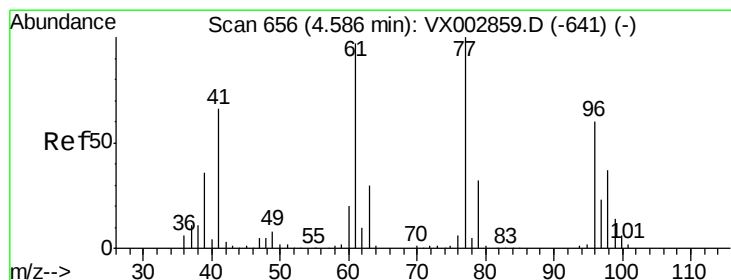
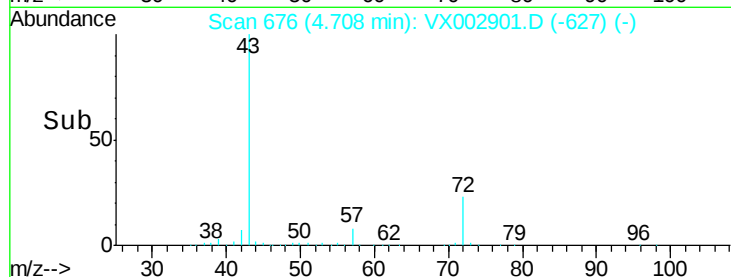
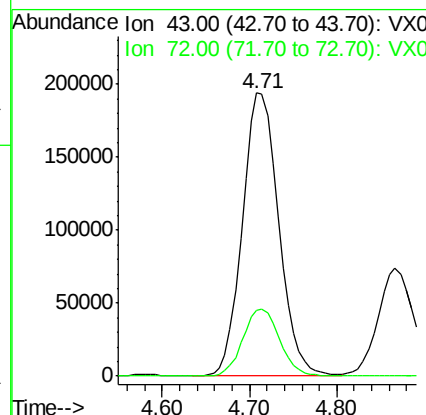
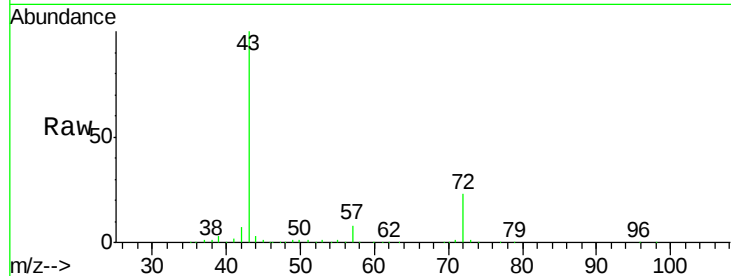
#25
2-Butanone
Concen: 248.84 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	559611
Ion Ratio	100	Lower	Upper
72	23.4	18.5	27.7

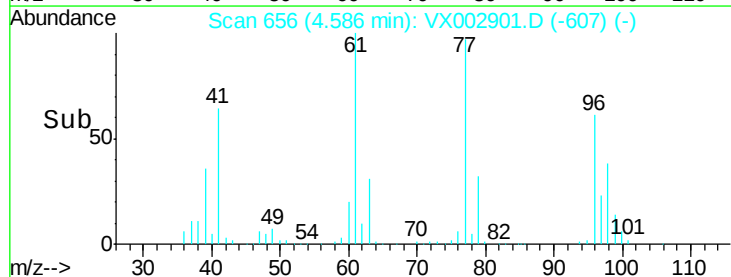
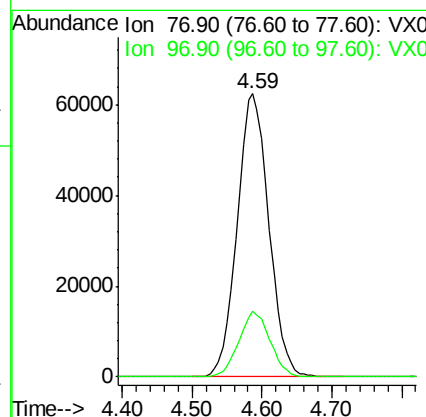
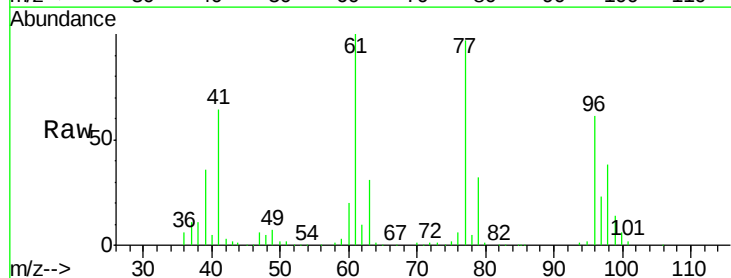
Manual Integrations
APPROVED

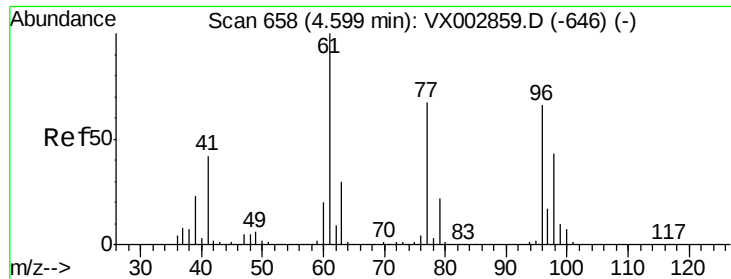
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#26
2,2-Dichloropropane
Concen: 45.00 ug/l
RT: 4.59 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	77	Resp	195637
Ion Ratio	100	Lower	Upper
97	22.9	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 46.87 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002901.D

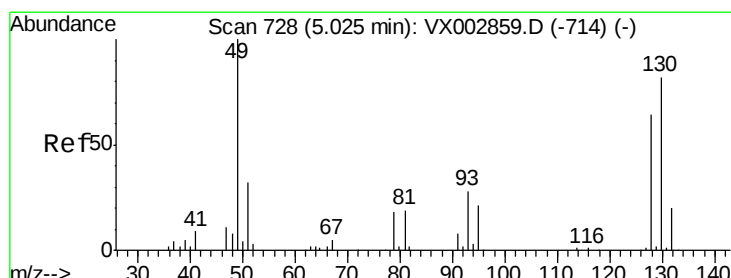
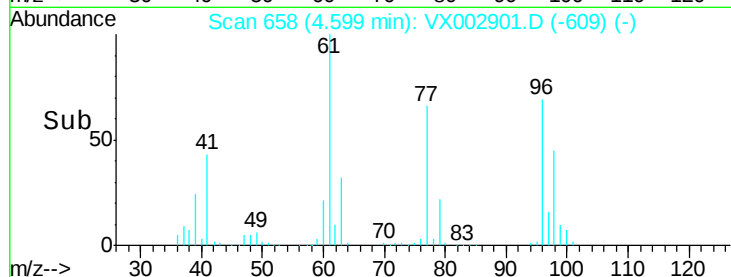
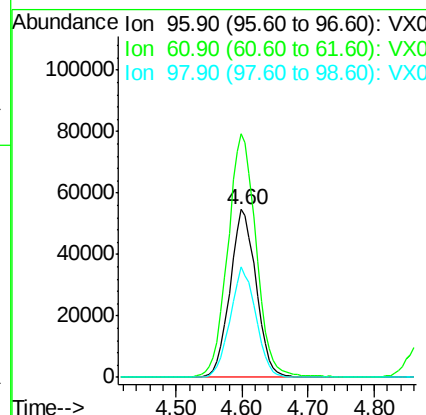
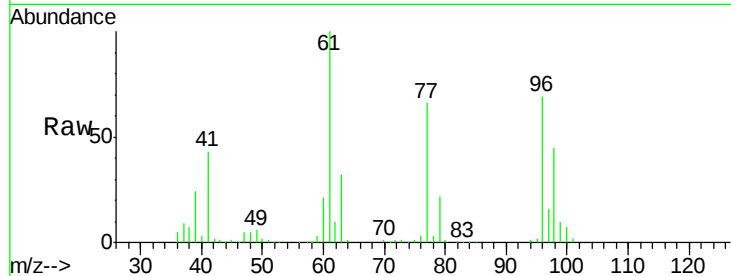
Acq: 26 Jun 2018 17:02

Tot Ion:	96	Resp:	149435
Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	330.2
98	65.0	0.0	130.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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#28

Bromochloromethane

Concen: 50.27 ug/l

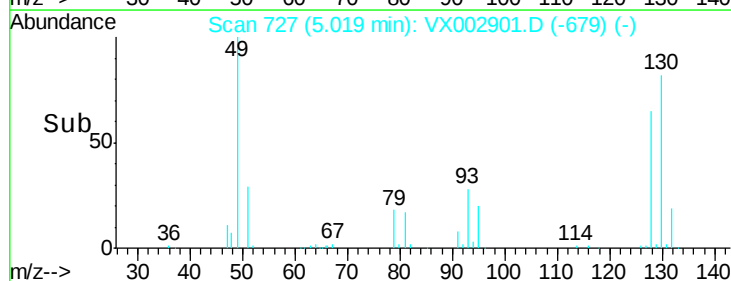
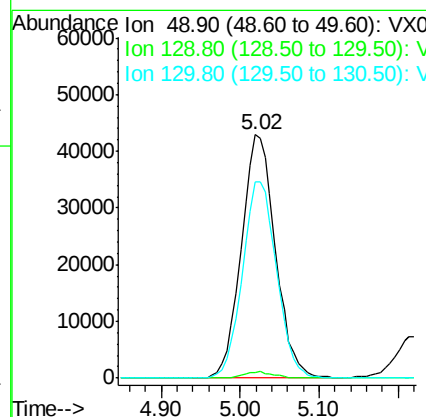
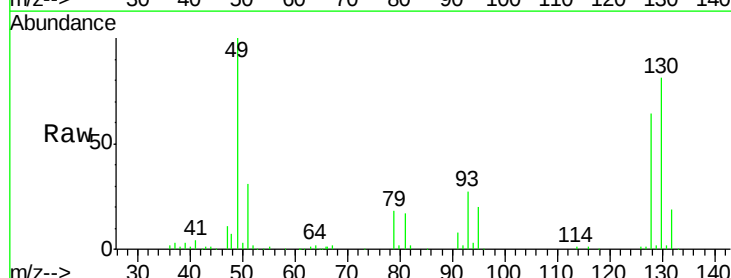
RT: 5.02 min Scan# 727

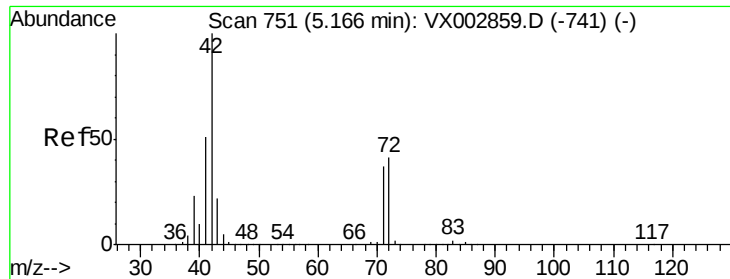
Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	49	Resp:	128651
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	81.2	61.2	91.8





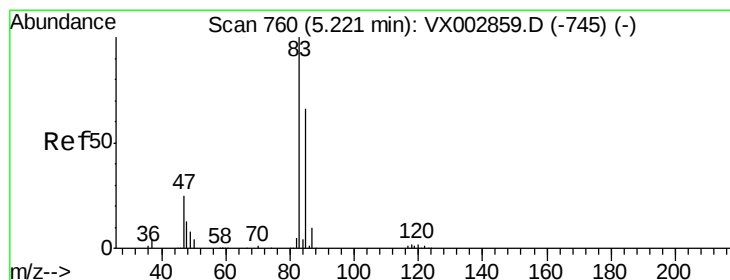
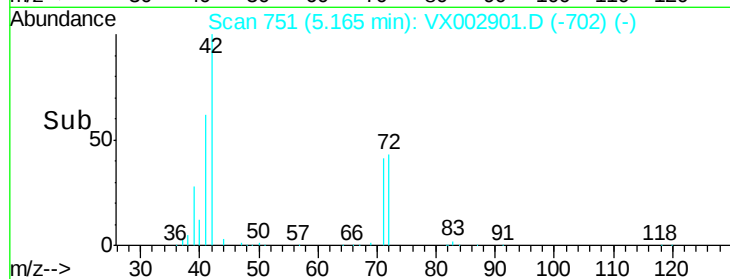
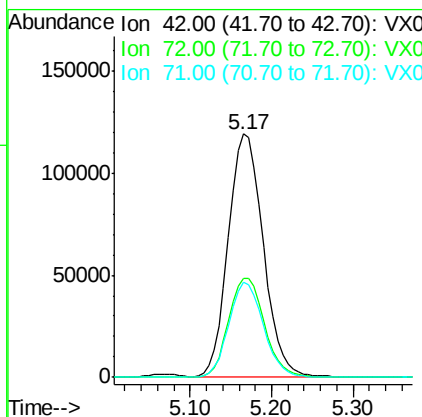
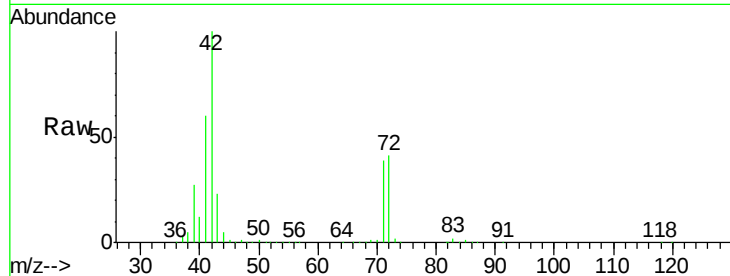
#29
Tetrahydrofuran
Concen: 244.77 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.0	48.0
71	38.9	30.1	45.1

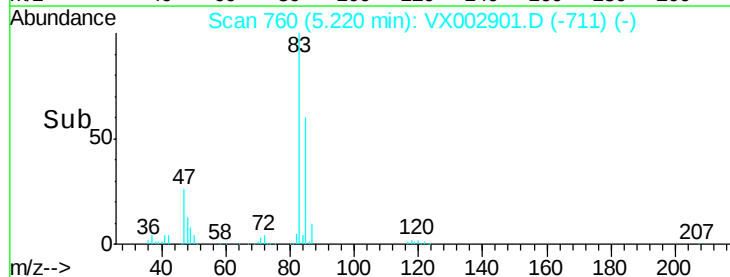
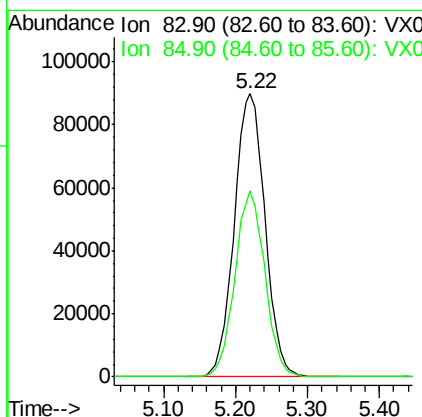
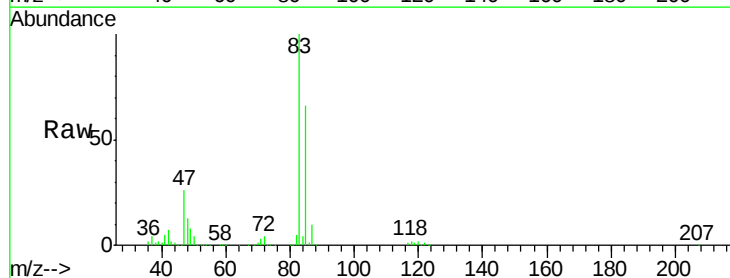
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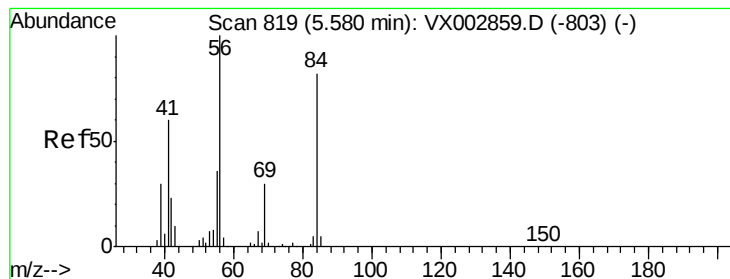
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#30
Chloroform
Concen: 48.47 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.4	75.6





#31

Cyclohexane

Concen: 46.34 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

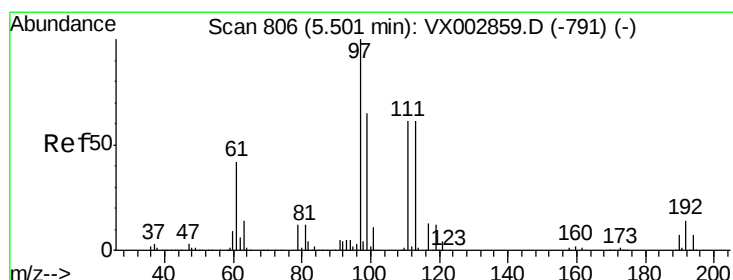
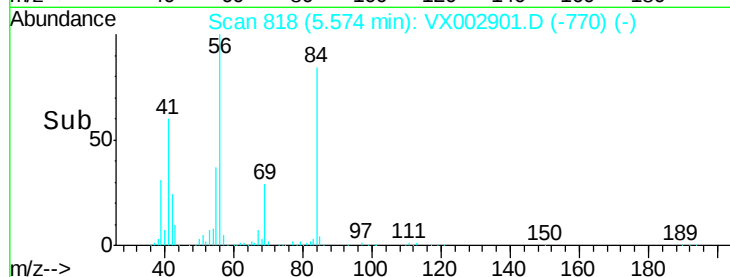
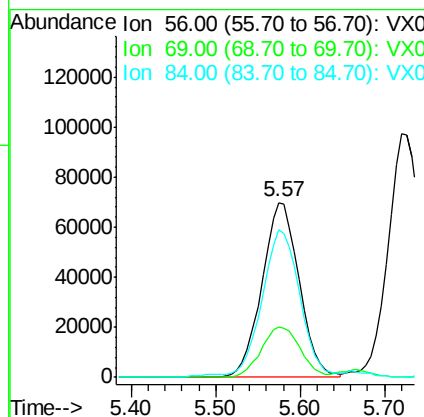
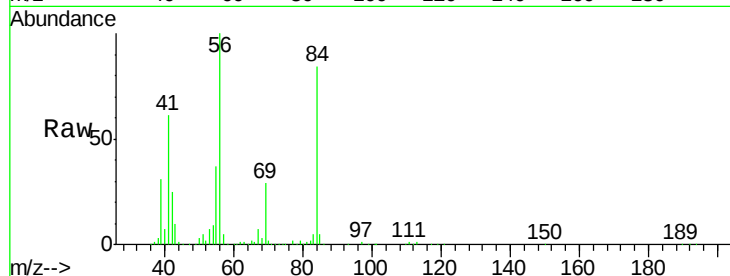
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	212629
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.7	35.5
84	83.4	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 48.55 ug/l

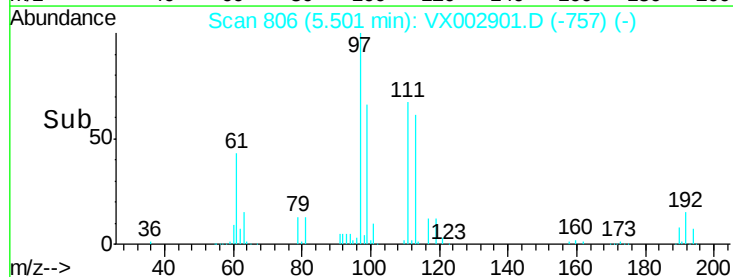
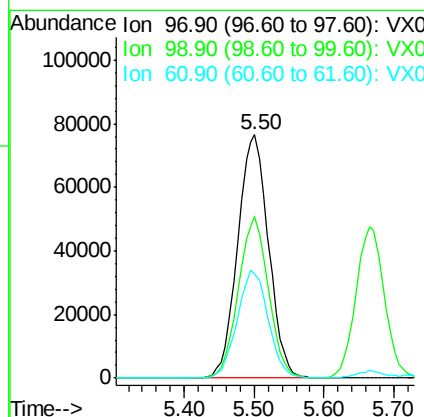
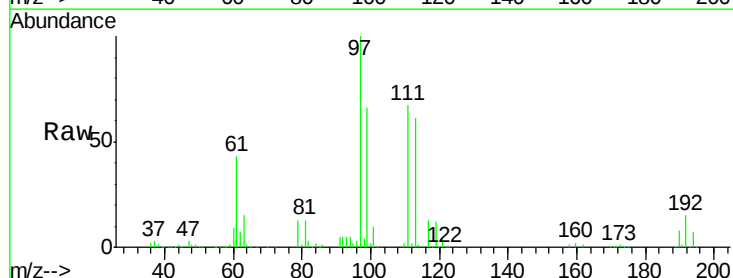
RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	97	Resp:	234414
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	44.5	36.4	54.6





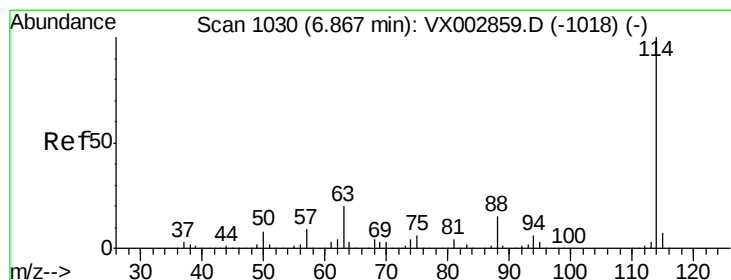
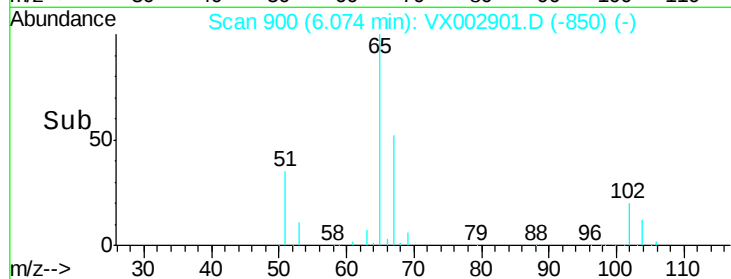
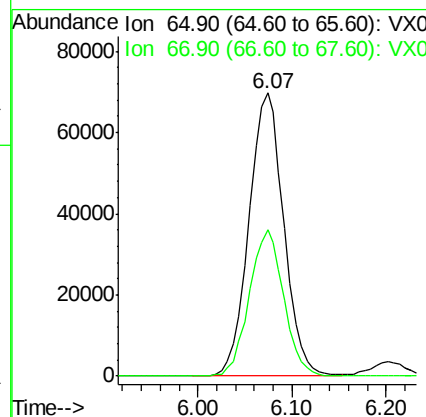
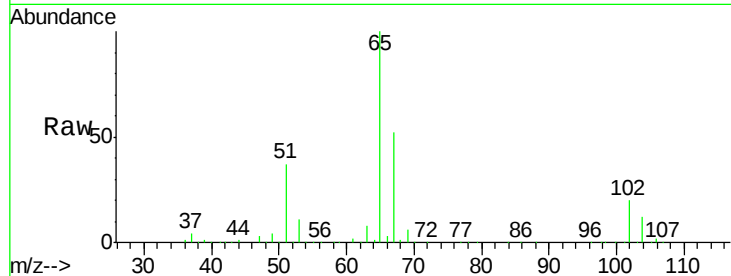
#33
 1,2-Dichloroethane-d4
 Concen: 49.32 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	180464		
67	51.2	0.0	102.6	

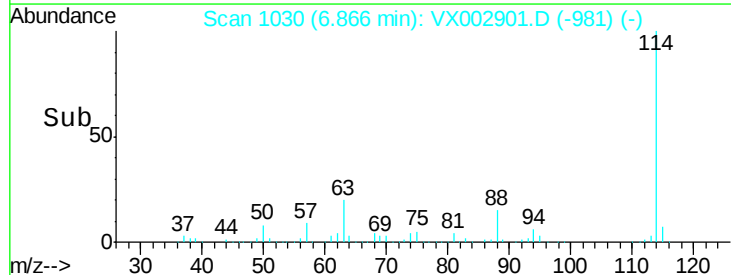
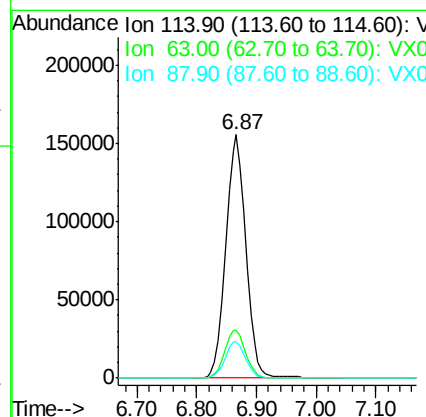
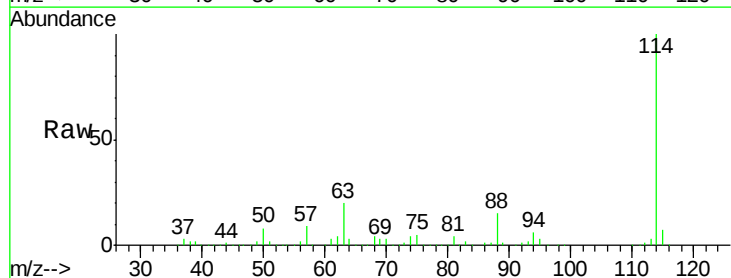
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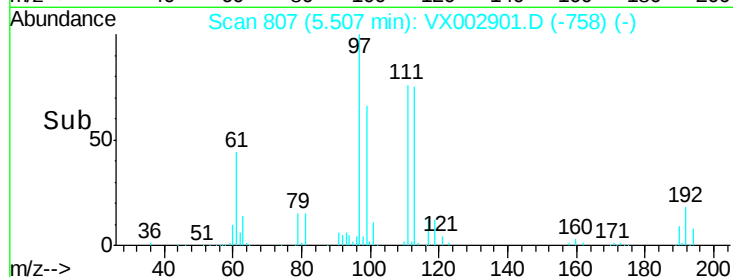
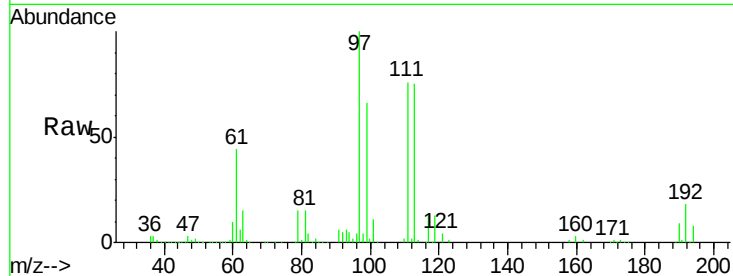
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366013		
63	19.7	0.0	41.4	
88	15.1	0.0	30.0	





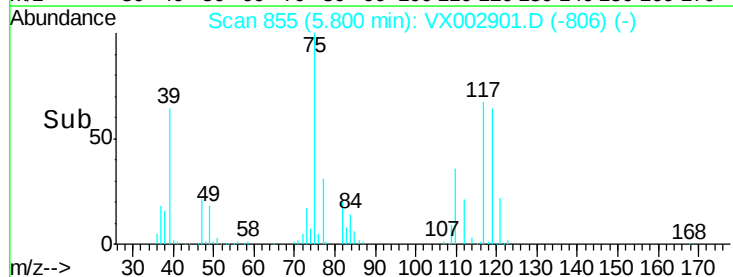
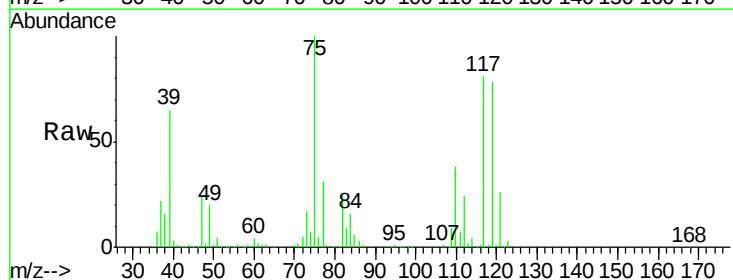
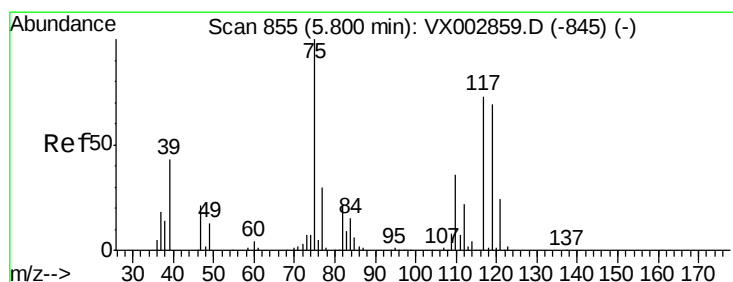
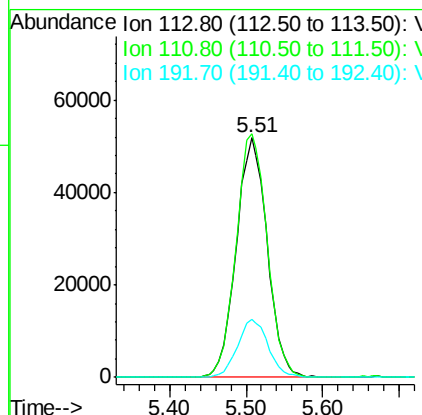
#35
Dibromofluoromethane
Concen: 50.03 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145010		
111	102.6	81.4	122.0	
192	24.1	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

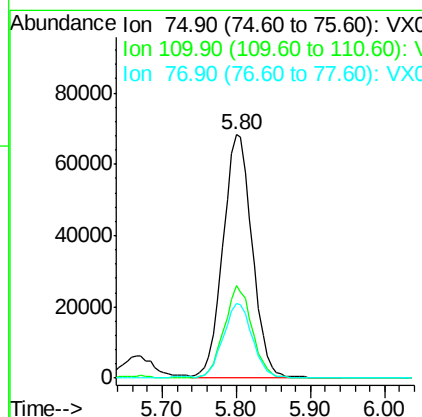
Manual Integrations
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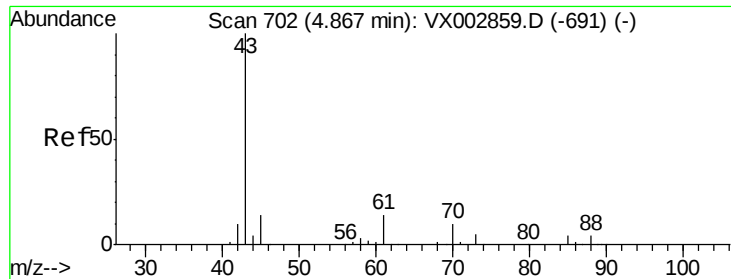
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.26 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	185681		
110	36.5	18.1	54.4	
77	31.4	24.3	36.5	





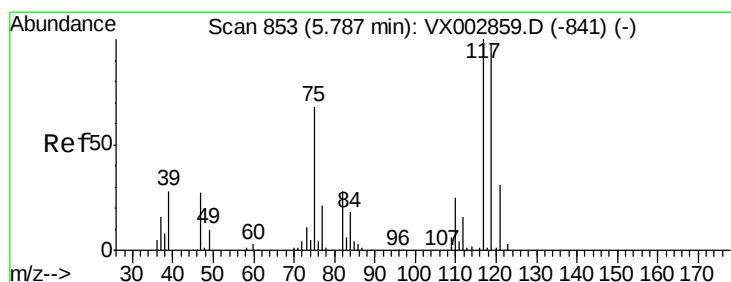
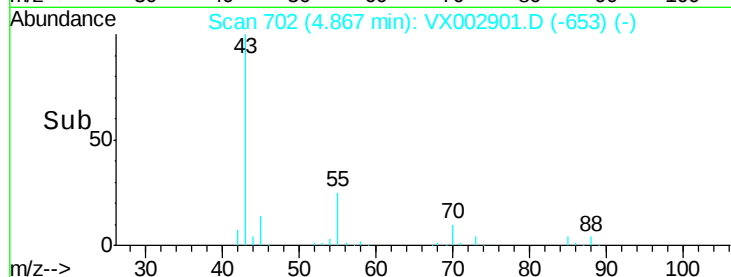
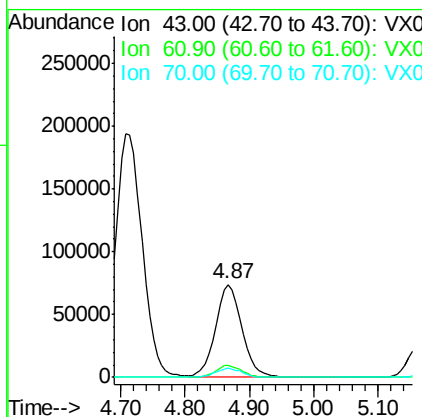
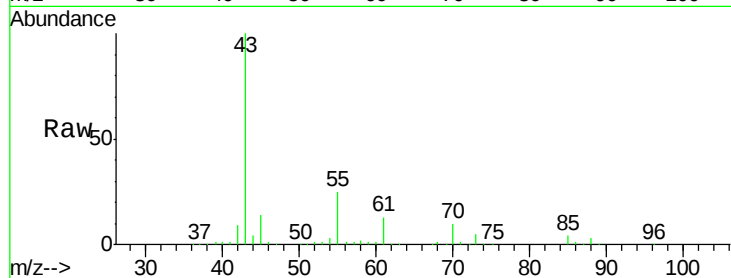
#37
Ethyl Acetate
Concen: 49.21 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.9	7.6	11.4

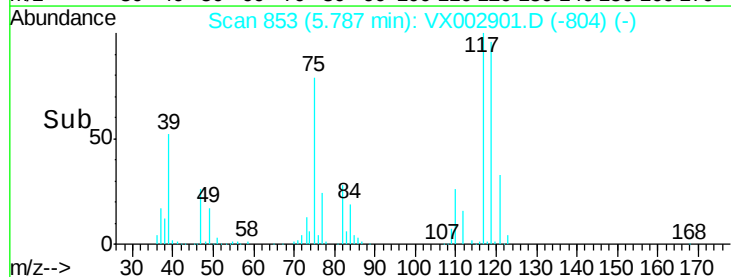
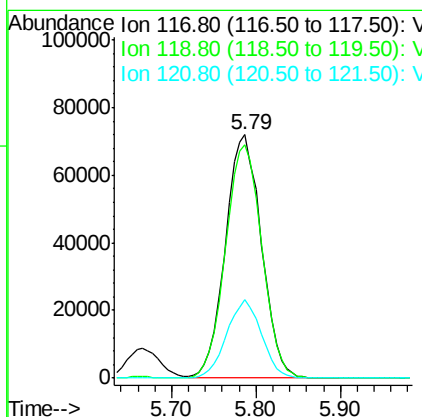
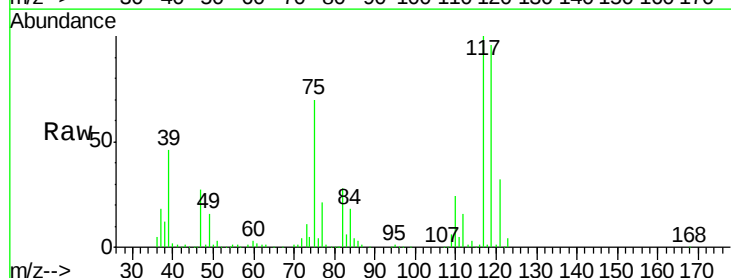
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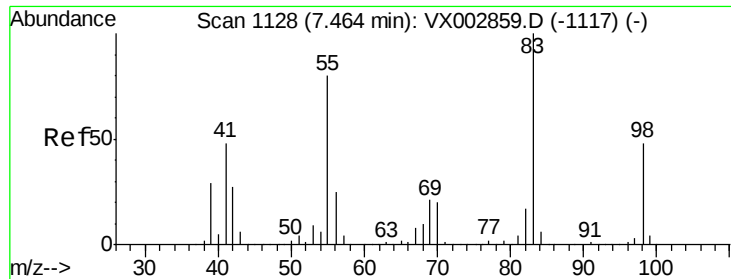
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#38
Carbon Tetrachloride
Concen: 47.49 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
121	32.4	24.4	36.6





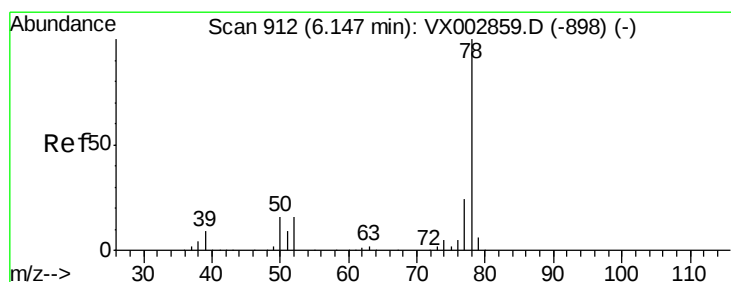
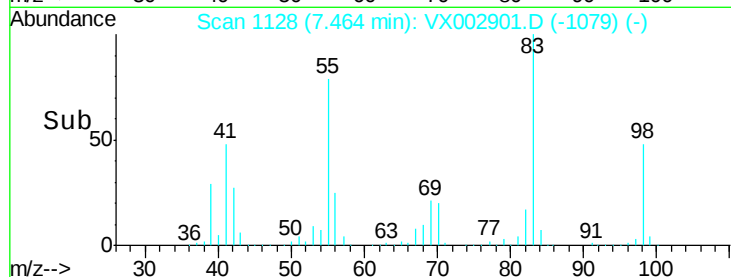
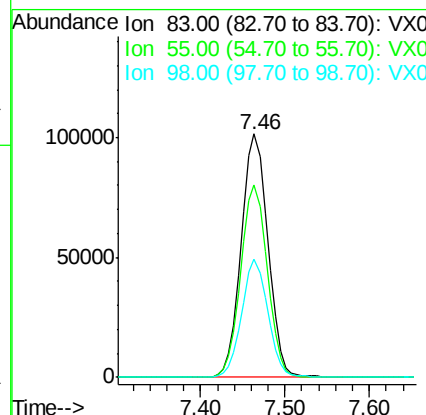
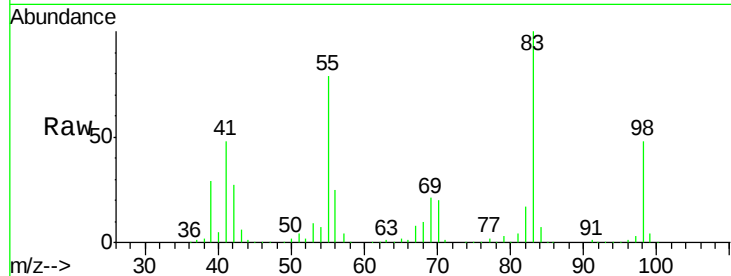
#39
Methvlcvclohexane
Concen: 46.42 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	65.4	98.0
98	48.4	37.4	56.0

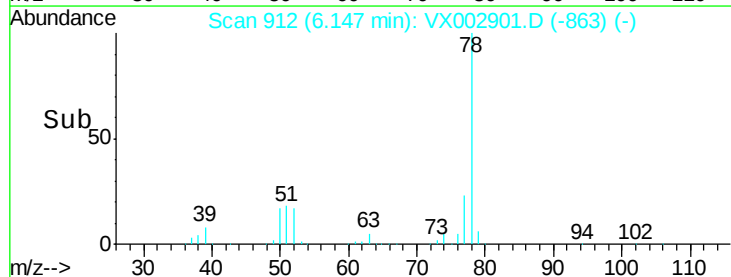
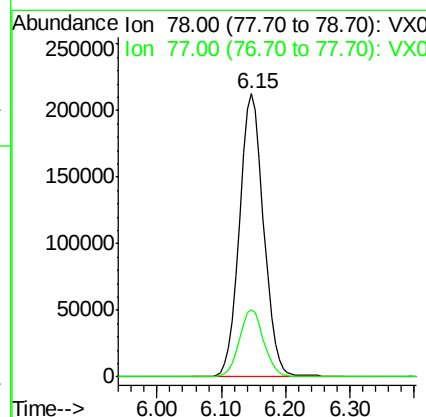
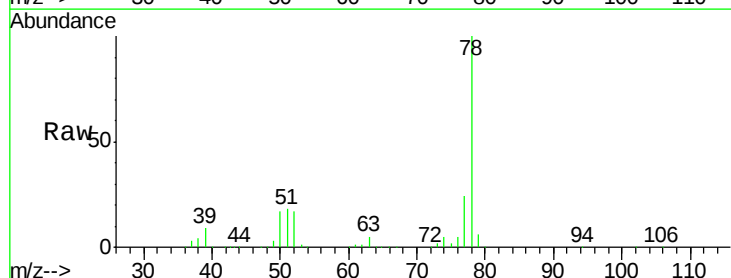
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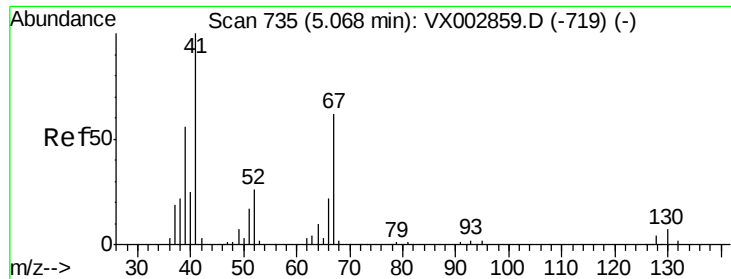
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#40
Benzene
Concen: 47.76 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 49.64 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

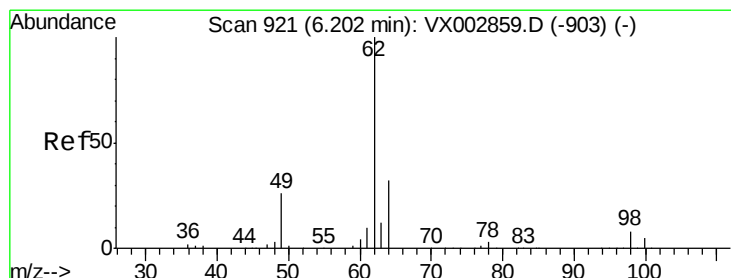
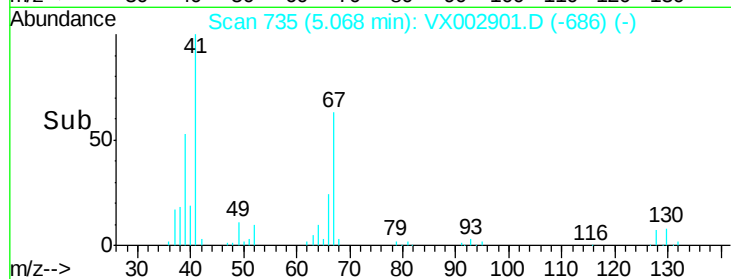
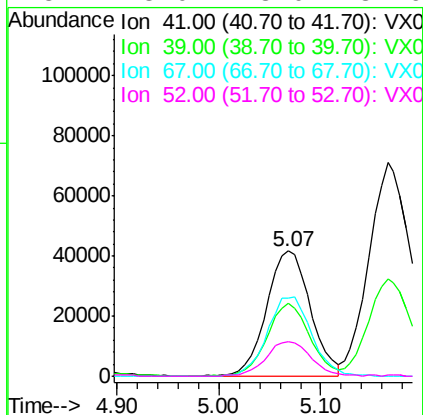
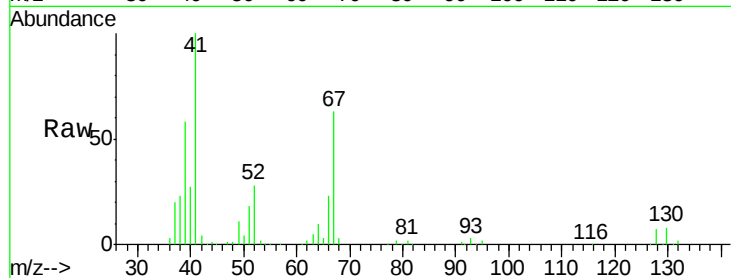
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	45.8	68.6	
67	64.8	51.3	76.9	
52	28.0	23.0	34.6	

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#42

1,2-Dichloroethane

Concen: 47.28 ug/l

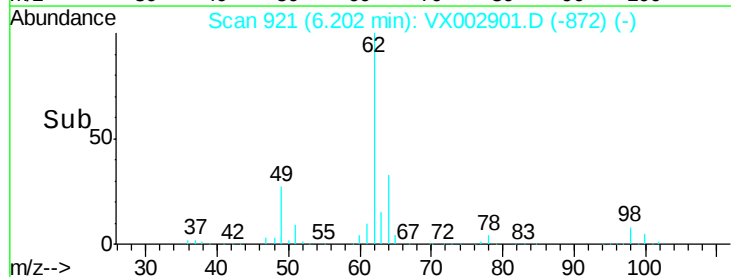
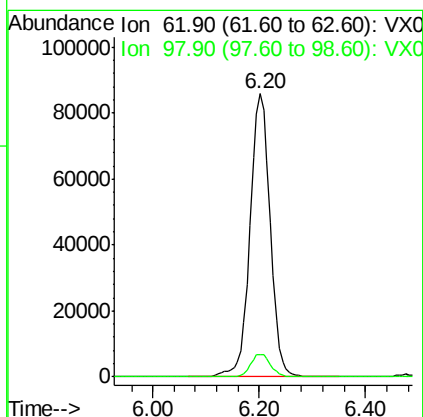
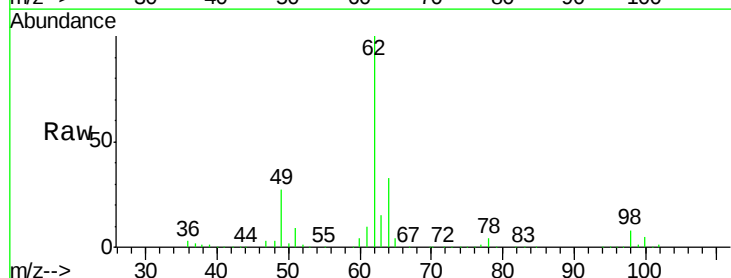
RT: 6.20 min Scan# 921

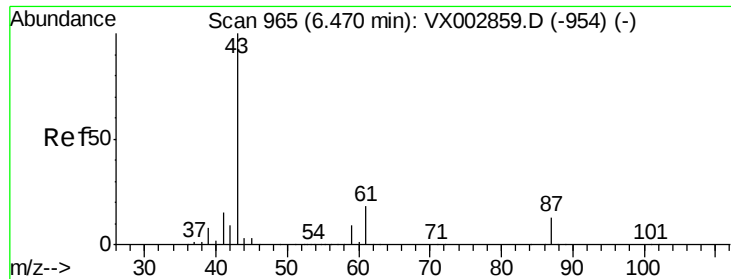
Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





#43

Isopropyl Acetate

Concen: 48.34 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

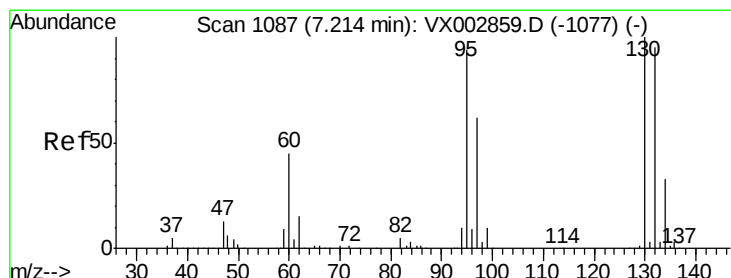
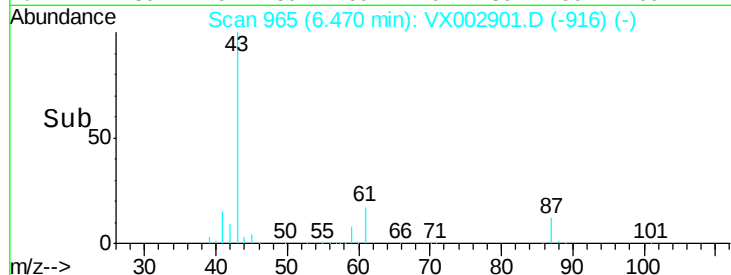
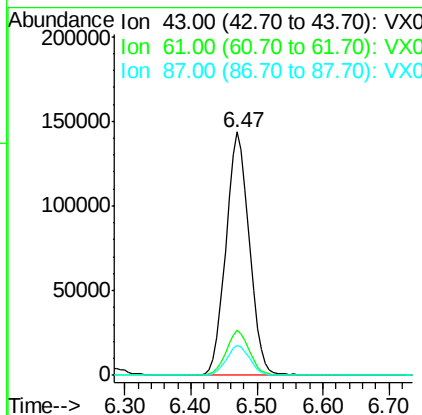
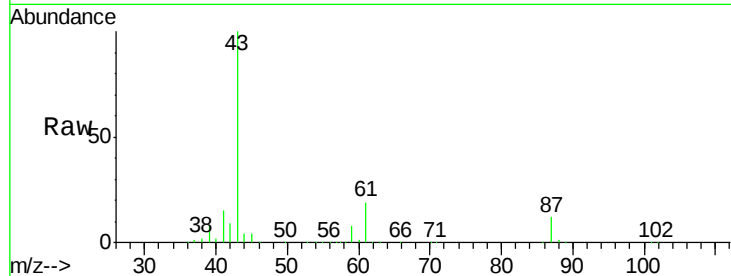
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	350370
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.4	21.6
87	12.3	9.5	14.3

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6/28/2018 3:12:08 PM



#44

Trichloroethene

Concen: 46.21 ug/l

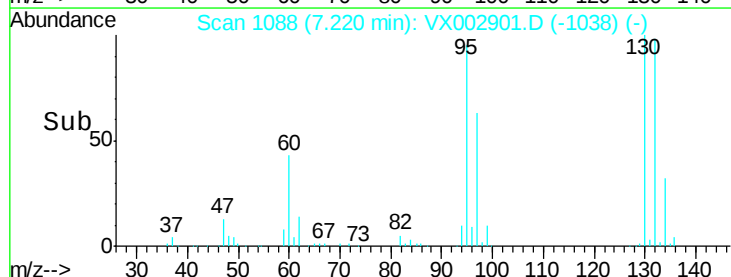
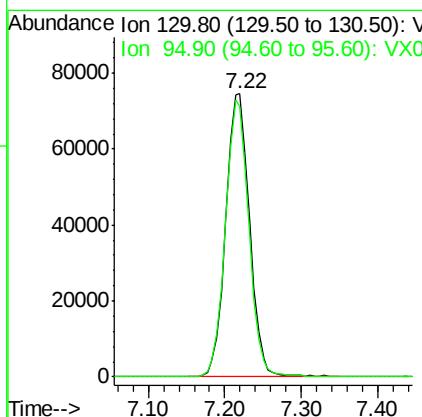
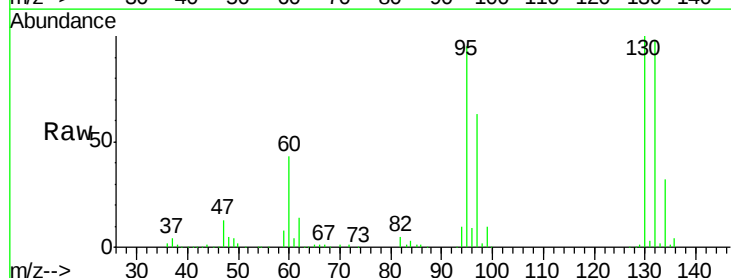
RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	130	Resp:	160663
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 48.31 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 149463

Ion Ratio Lower Upper

63 100

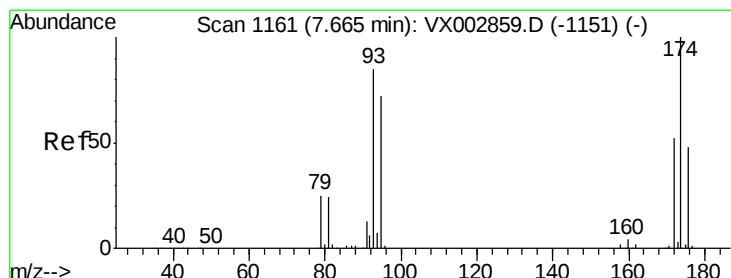
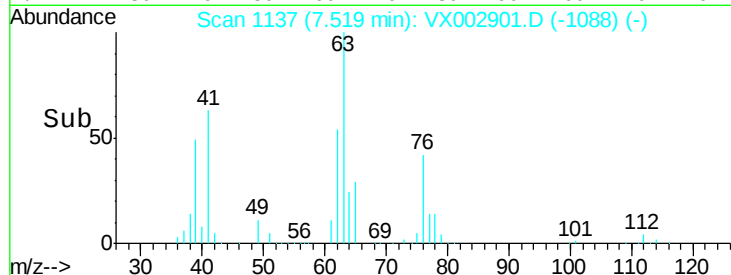
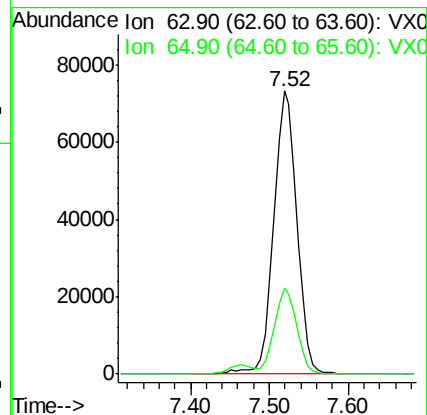
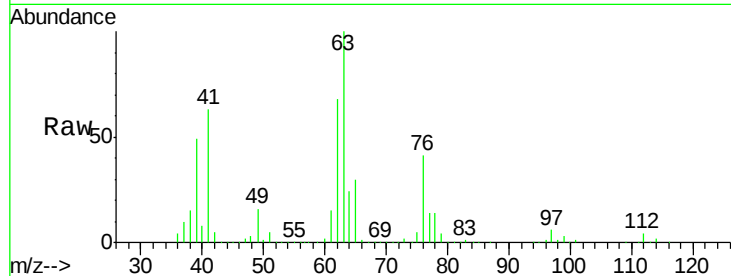
65 30.3 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 47.57 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

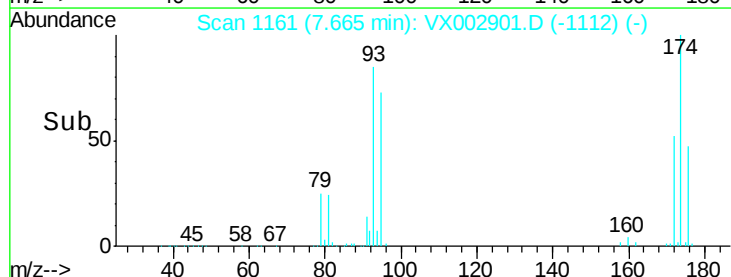
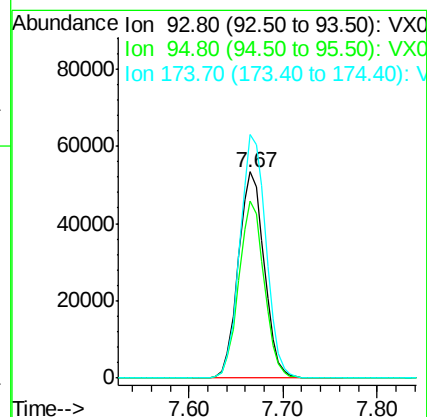
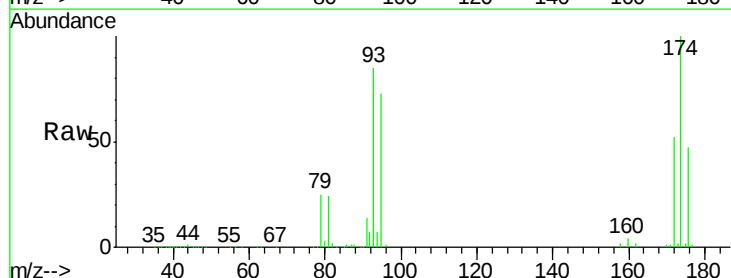
Tgt Ion: 93 Resp: 102127

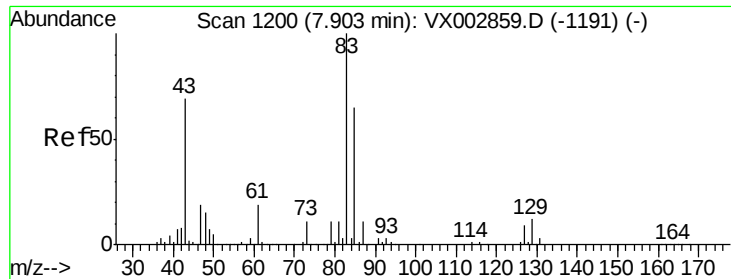
Ion Ratio Lower Upper

93 100

95 84.4 65.9 98.9

174 118.9 92.4 138.6





#47

Bromodichloromethane

Concen: 50.03 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

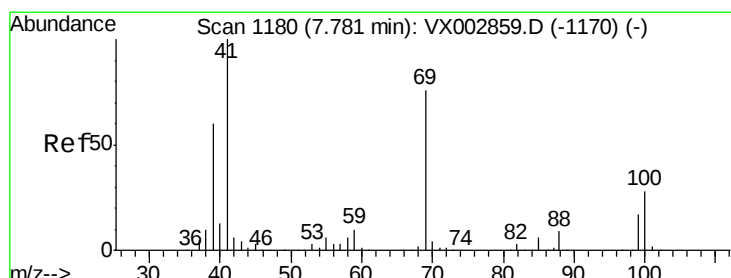
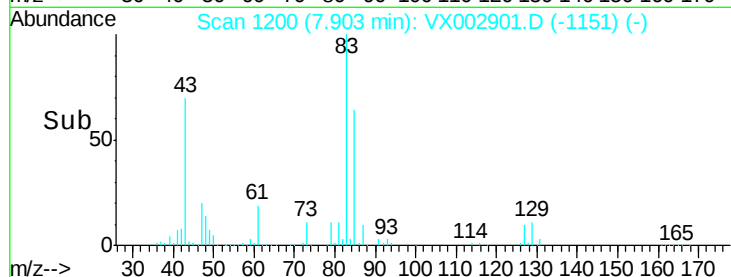
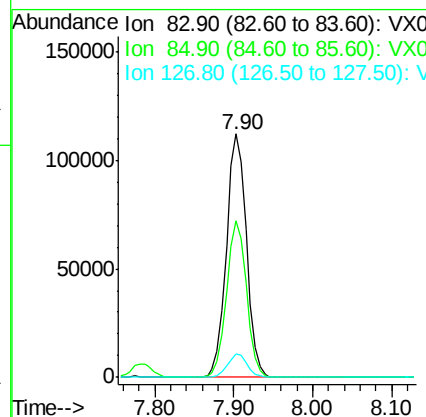
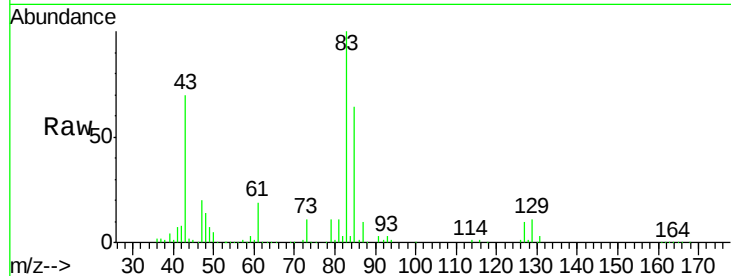
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	198581
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.3	75.5
127	9.6	7.0	10.4

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#48

Methyl methacrylate

Concen: 49.64 ug/l

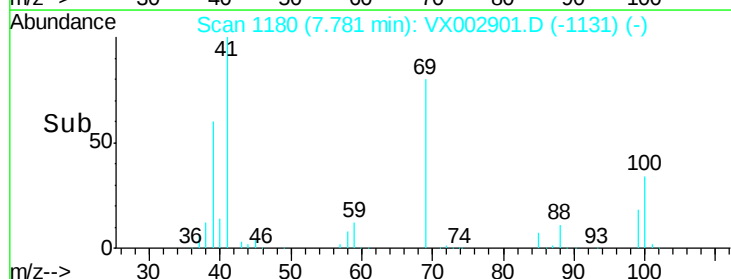
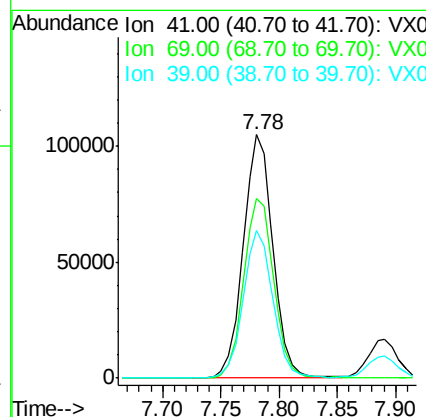
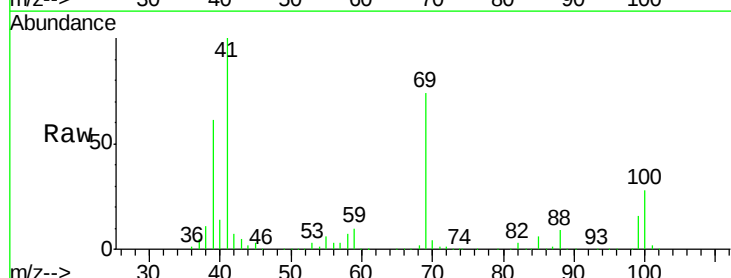
RT: 7.78 min Scan# 1180

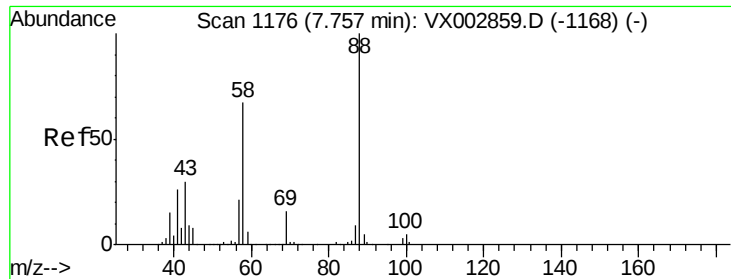
Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	41	Resp:	185398
Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.1	88.7
39	60.3	48.9	73.3





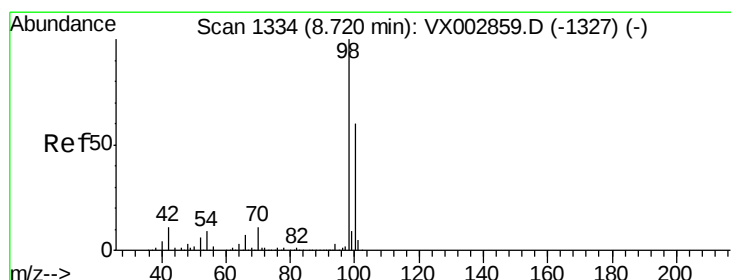
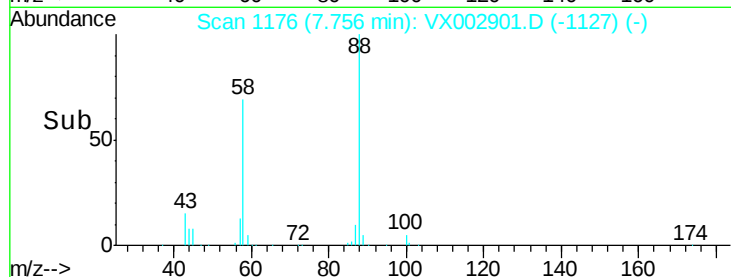
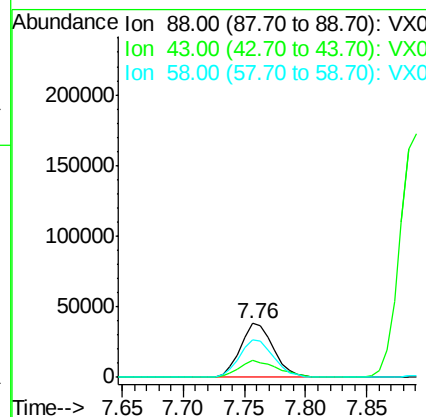
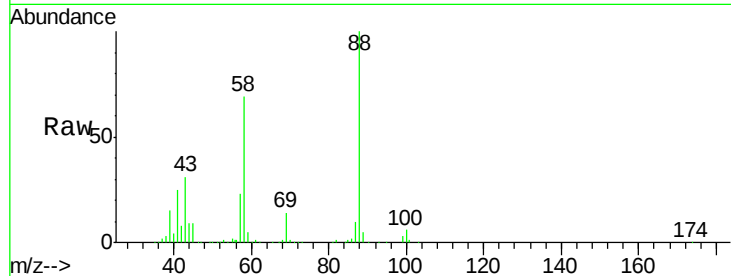
#49
1,4-Dioxane
Concen: 981.27 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	29.8	44.6
58	71.3	57.1	85.7

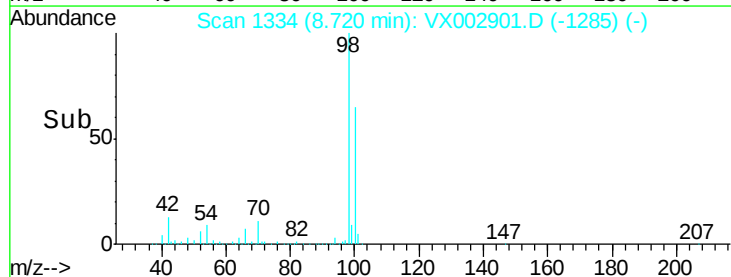
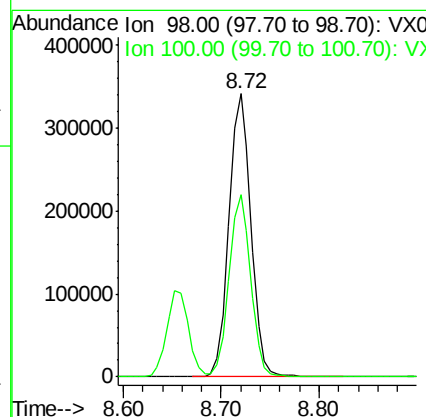
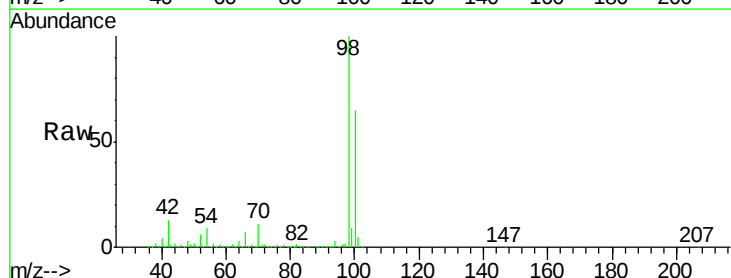
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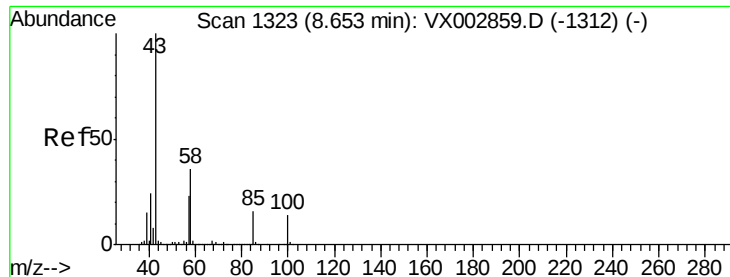
MMDadoda
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#50
Toluene-d8
Concen: 50.05 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





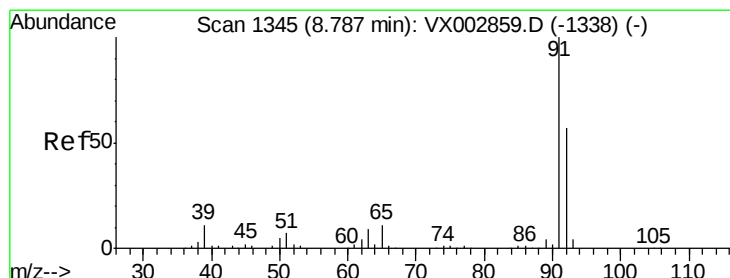
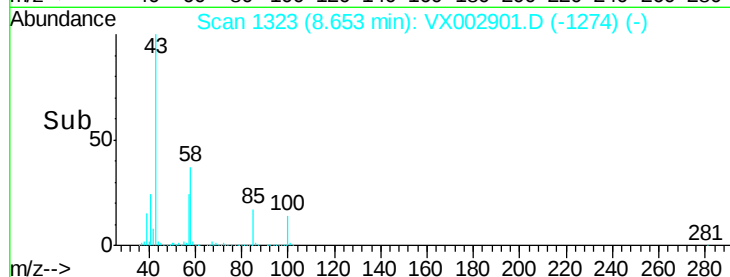
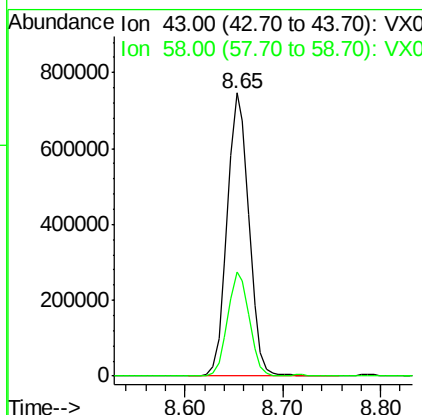
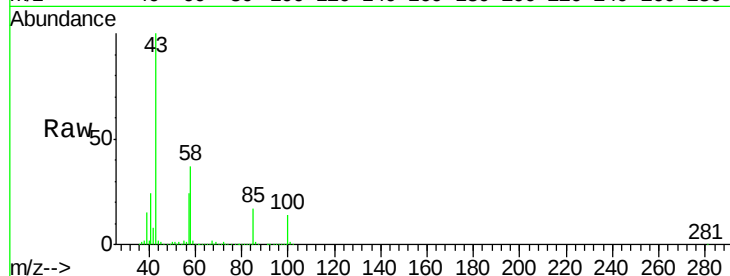
#51
4-Methyl-2-Pentanone
Concen: 254.26 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1153027
Ion Ratio Lower Upper
43 100
58 36.4 28.6 42.8

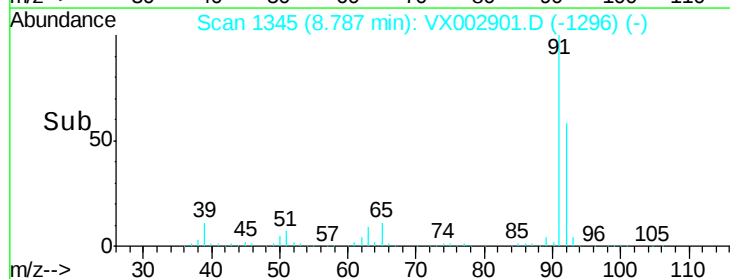
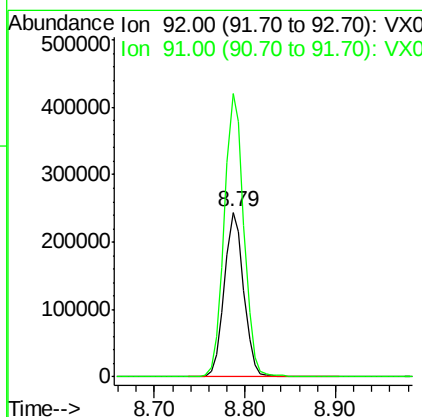
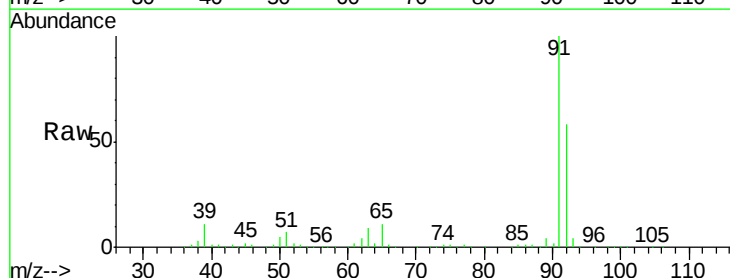
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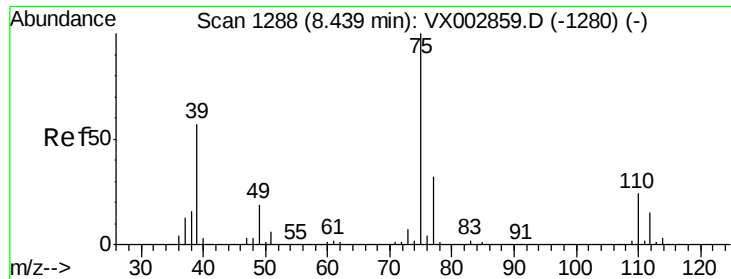
MMDadoda
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#52
Toluene
Concen: 48.78 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 92 Resp: 364442
Ion Ratio Lower Upper
92 100
91 173.6 140.4 210.6





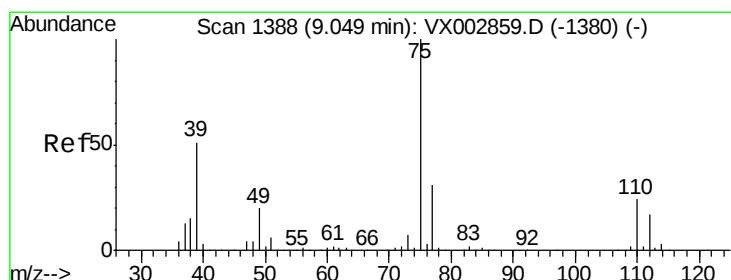
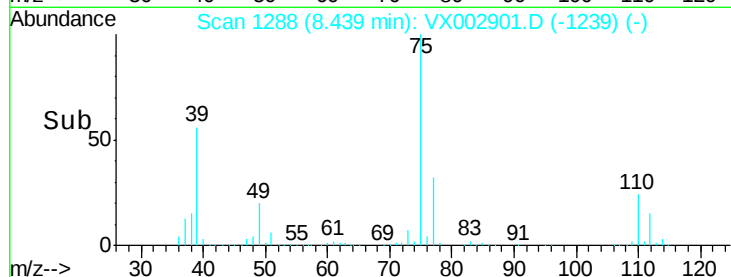
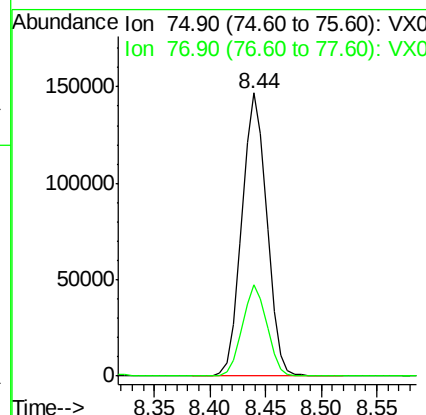
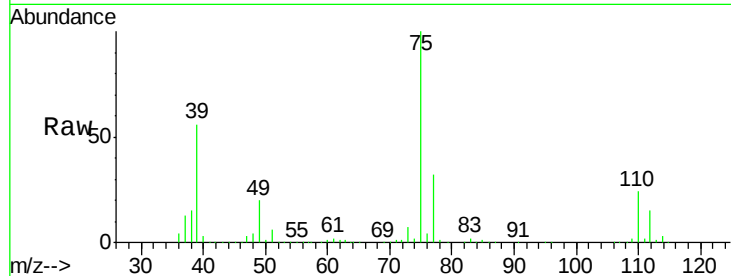
#53
t-1,3-Dichloropropene
Concen: 50.81 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 228373
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2

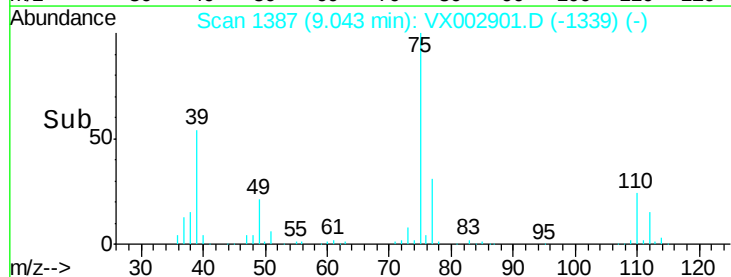
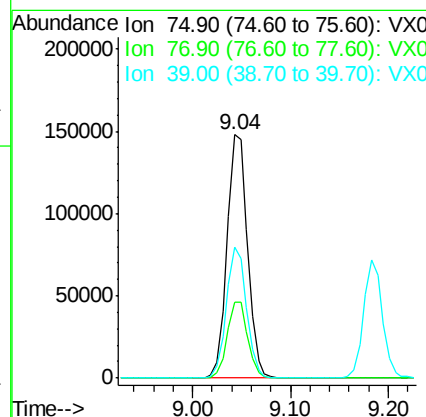
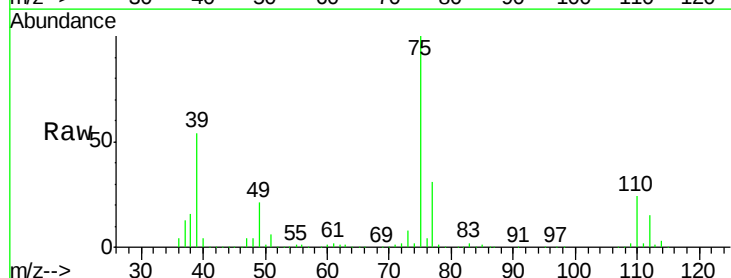
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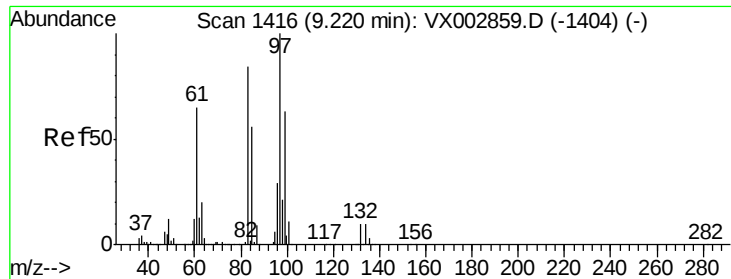
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#54
cis-1,3-Dichloropropene
Concen: 49.70 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 75 Resp: 214946
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 53.7 42.4 63.6





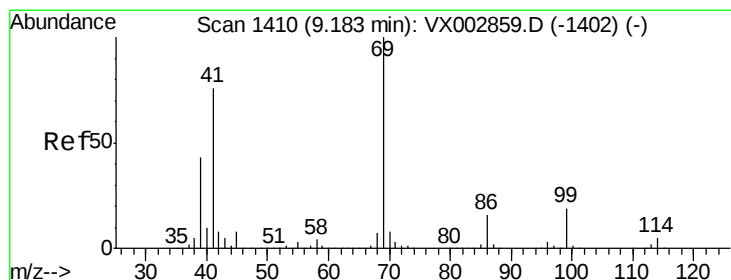
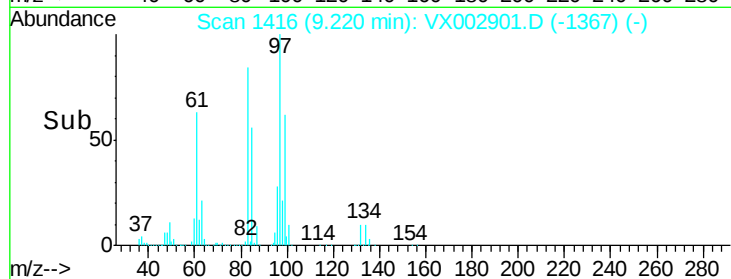
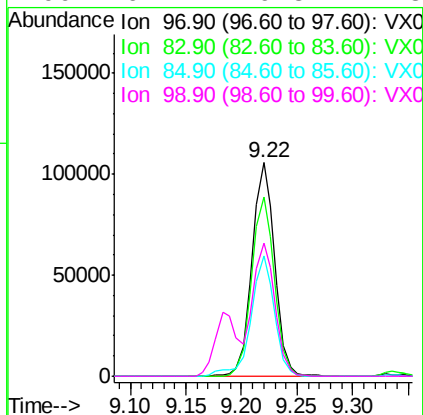
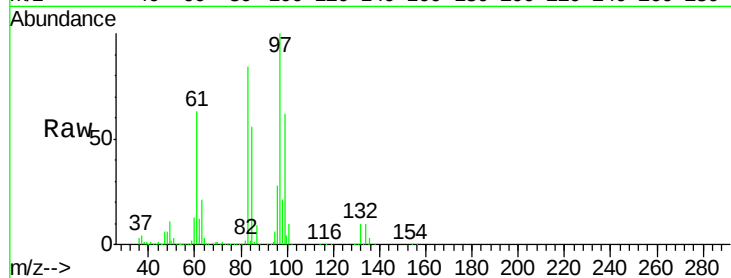
#55
 1,1,2-Trichloroethane
 Concen: 48.84 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		149950		
83	84.1	70.2	105.2		
85	56.4	44.9	67.3		
99	62.1	49.8	74.8		

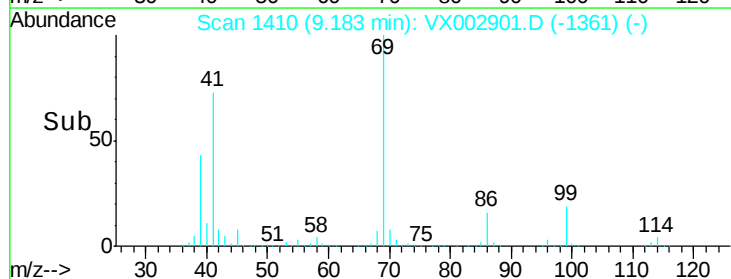
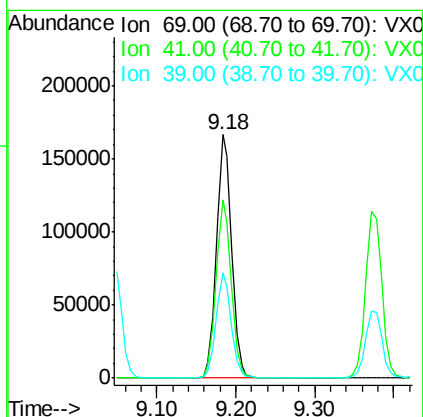
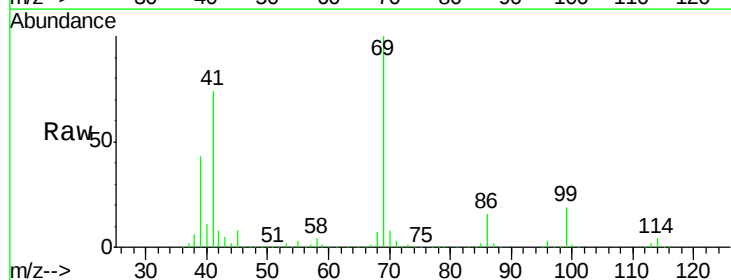
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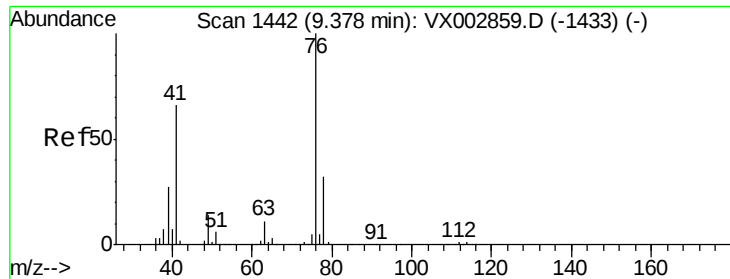
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#56
 Ethyl methacrylate
 Concen: 50.07 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		224666		
41	73.0	60.3	90.5		
39	42.4	35.8	53.8		





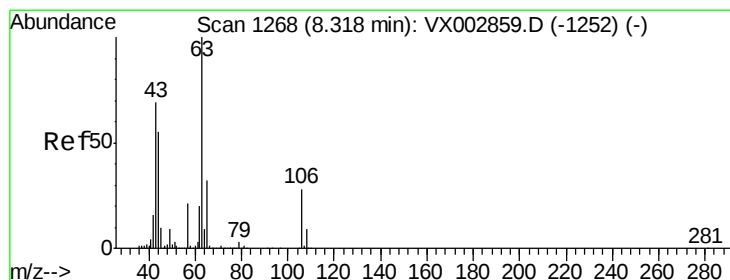
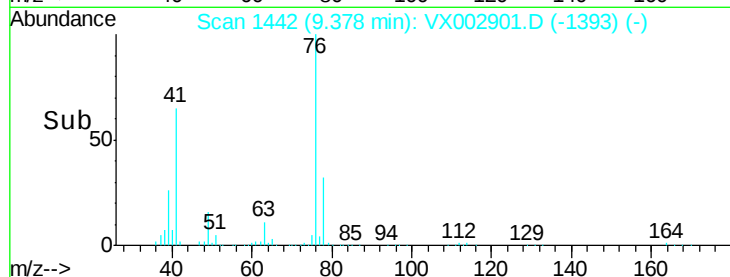
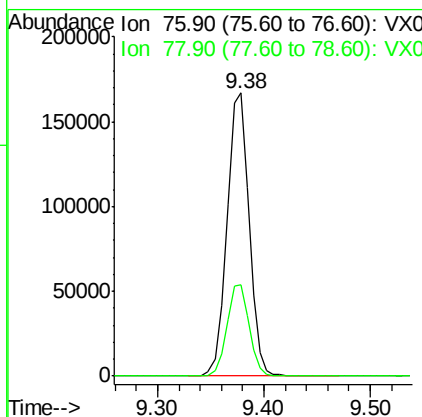
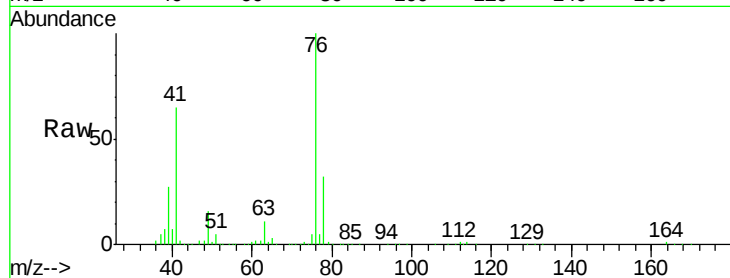
#57
 1,3-Dichloropropane
 Concen: 48.24 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

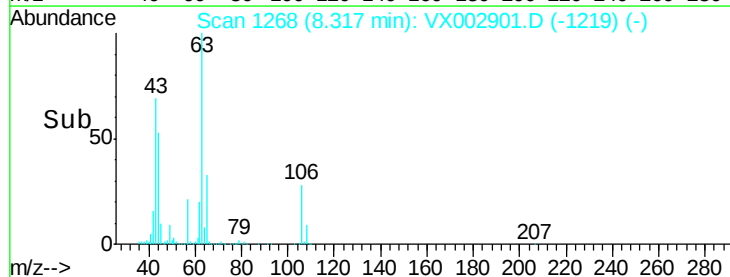
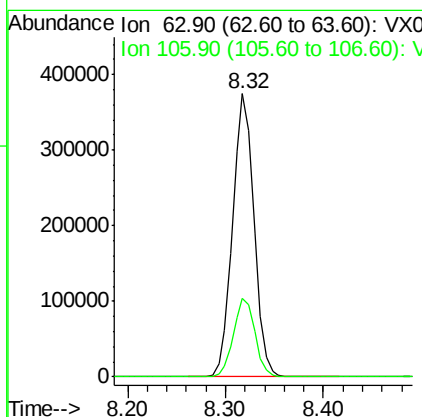
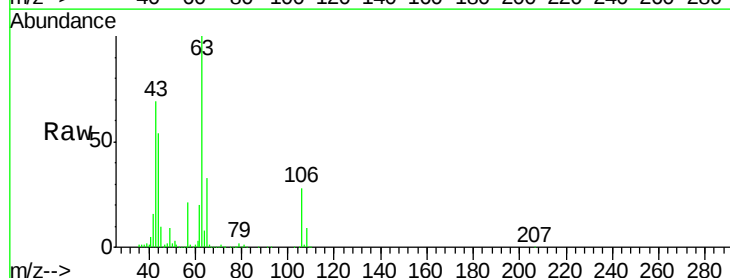
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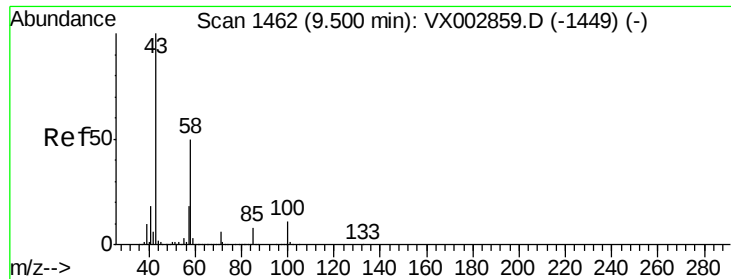
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#58
 2-Chloroethyl Vinyl ether
 Concen: 262.93 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	21.8	32.8





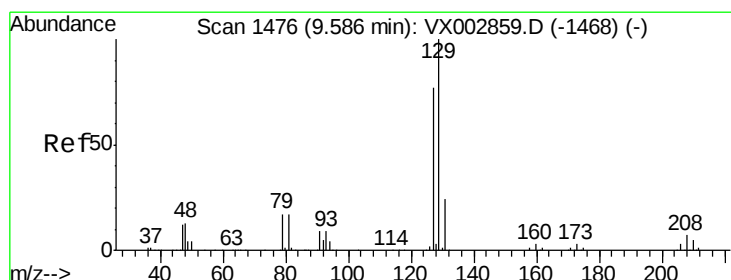
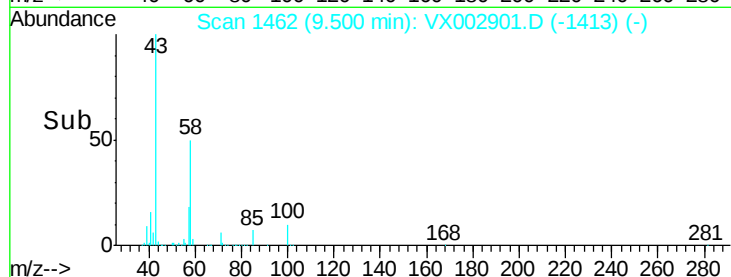
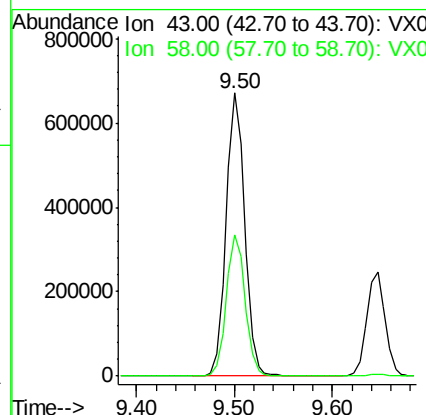
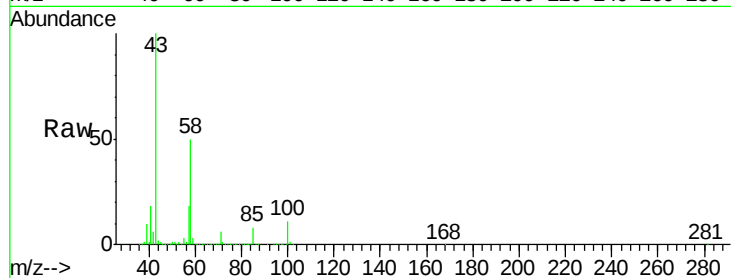
#59
2-Hexanone
Concen: 257.37 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 887029
Ion Ratio Lower Upper
43 100
58 50.3 24.6 73.6

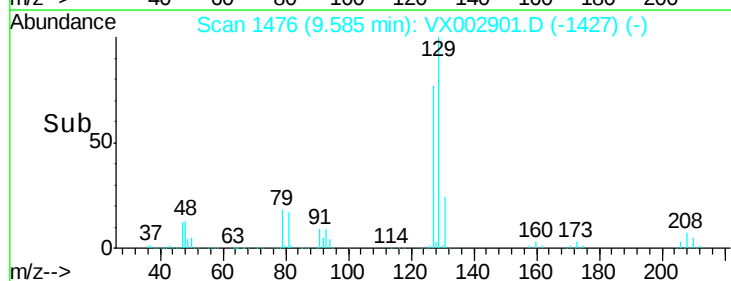
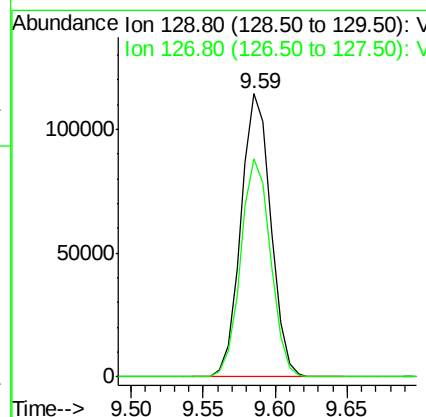
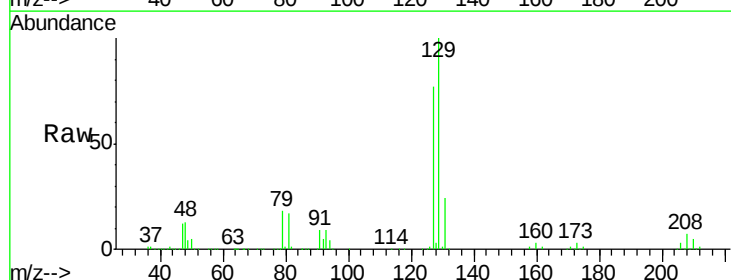
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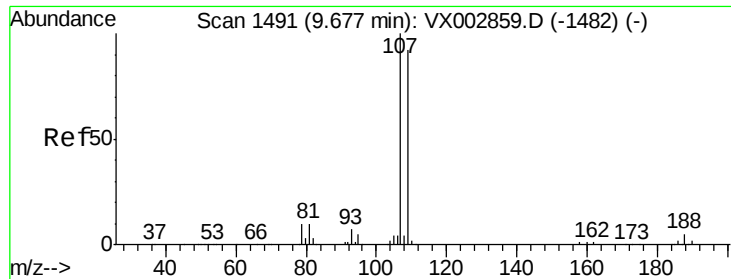
MMDadoda
6/28/2018 3:12:08 PM



#60
Dibromochloromethane
Concen: 50.96 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 129 Resp: 164680
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 49.01 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 157835

Ion Ratio Lower Upper

107 100

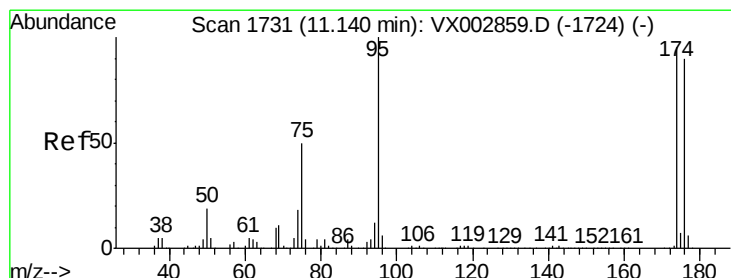
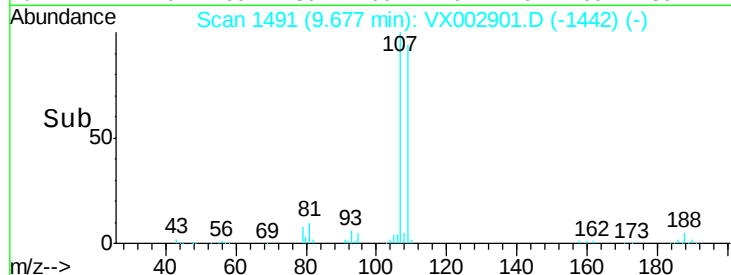
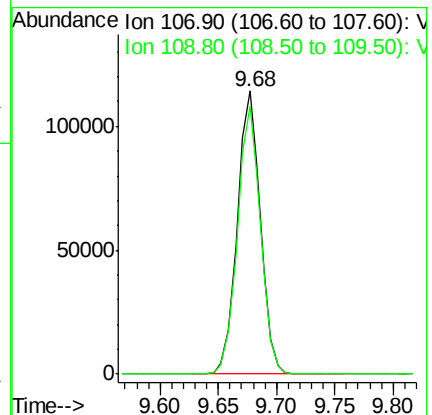
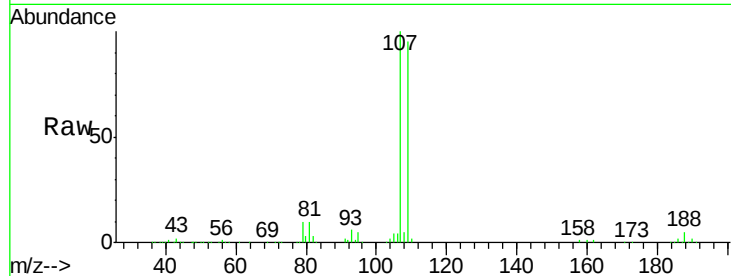
109 94.5 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 50.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

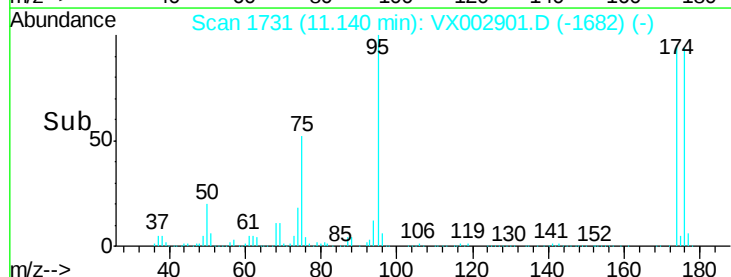
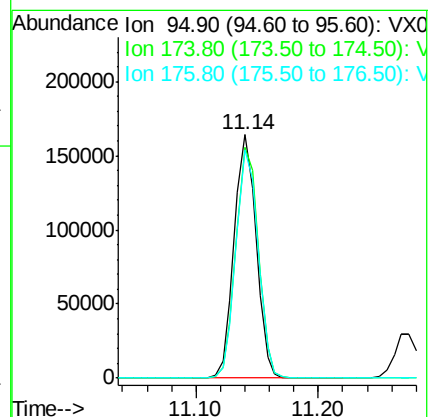
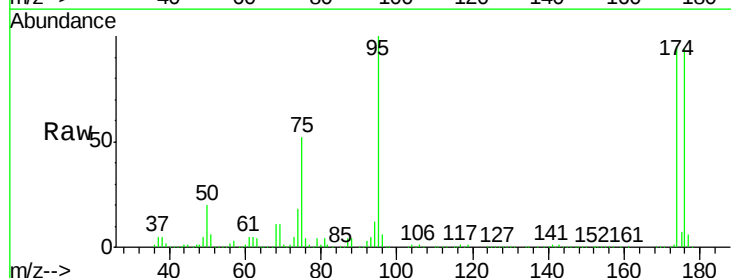
Tgt Ion: 95 Resp: 204392

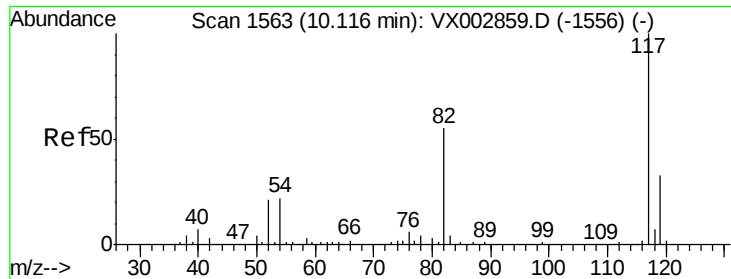
Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

176 94.4 0.0 181.0





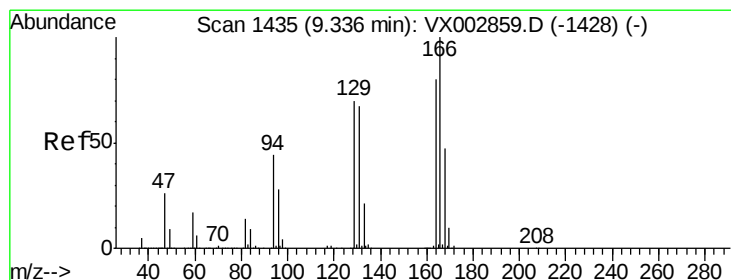
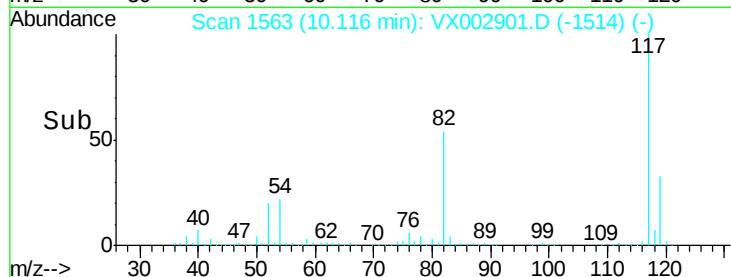
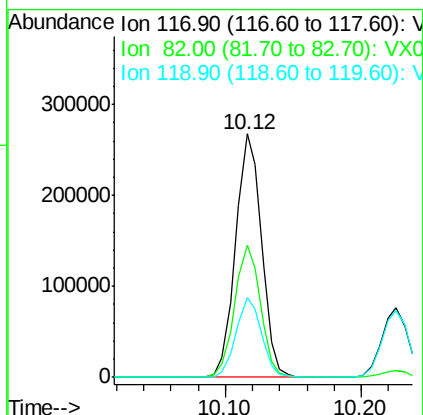
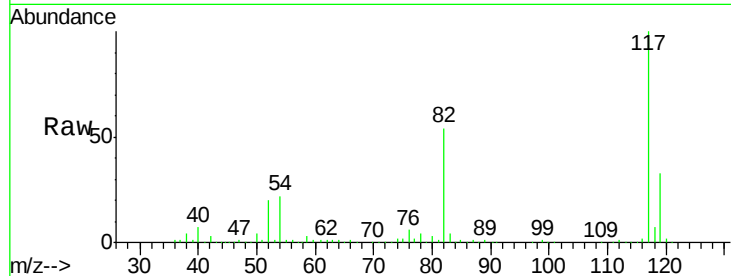
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.0	67.4
119	32.5	25.8	38.6

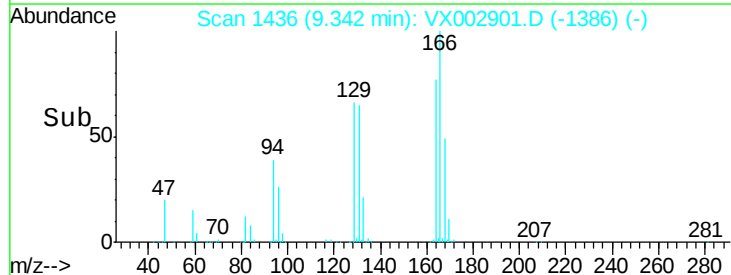
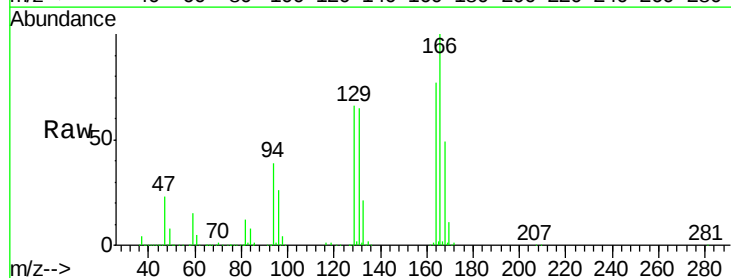
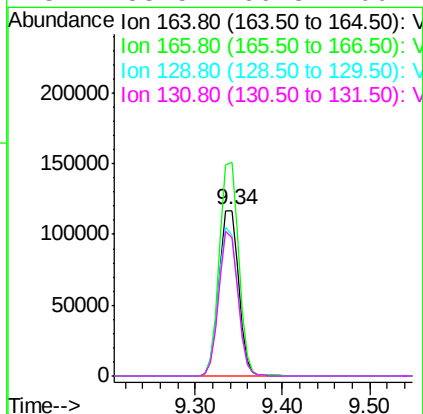
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#64
Tetrachloroethene
Concen: 45.51 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.9	154.3
129	84.9	68.6	102.8
131	83.5	66.8	100.2





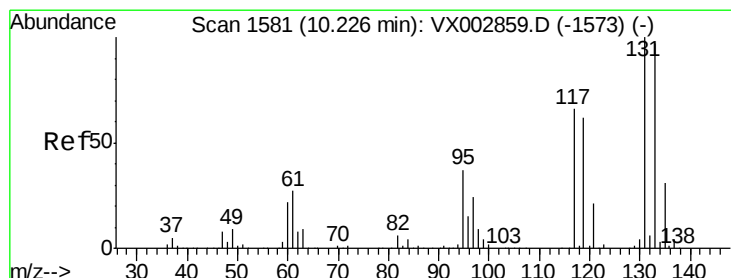
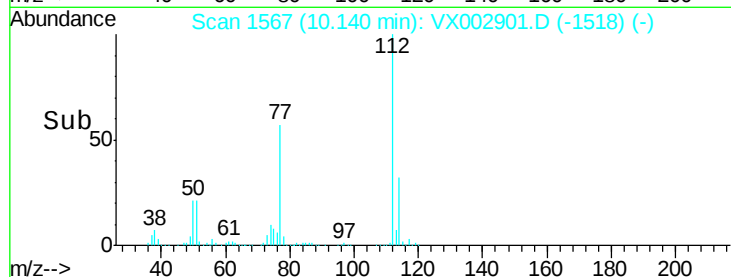
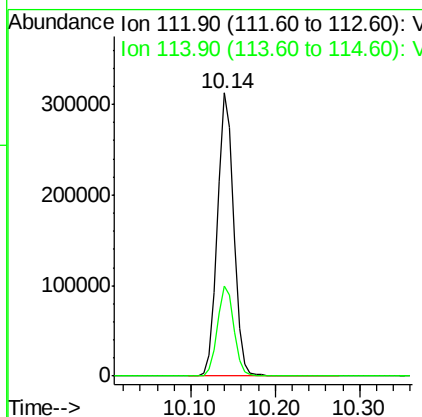
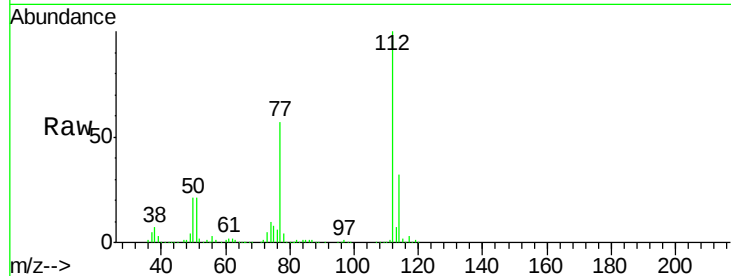
#65
Chlorobenzene
Concen: 46.53 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 420595
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

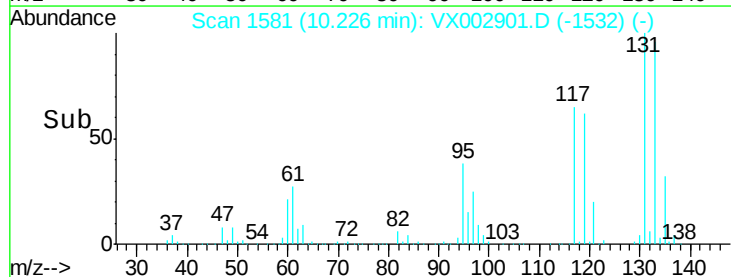
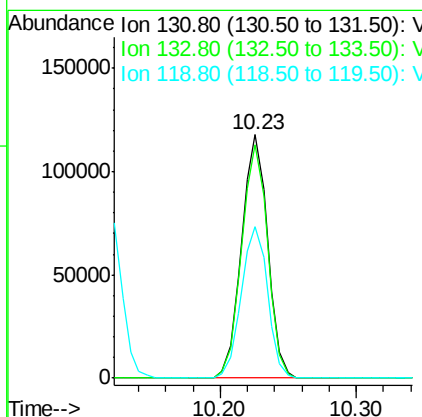
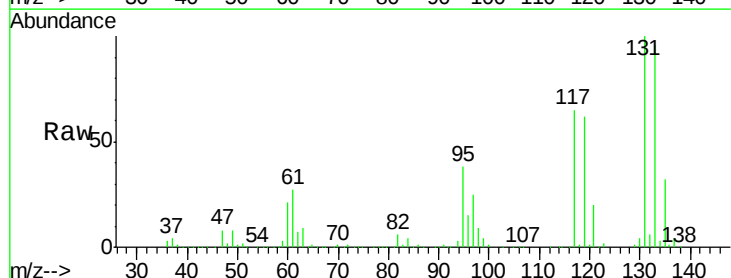
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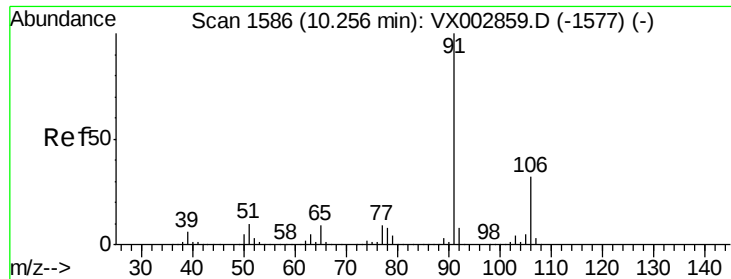
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.12 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion:131 Resp: 158012
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 63.0 31.8 95.3





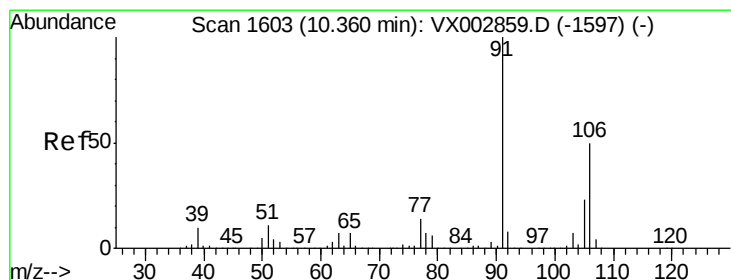
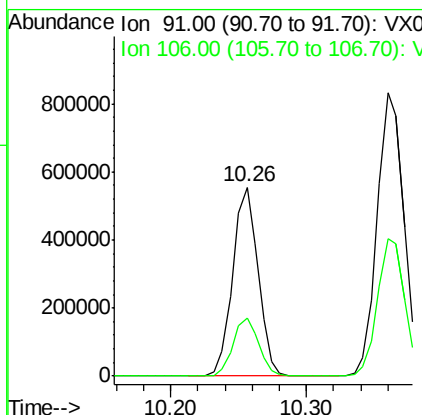
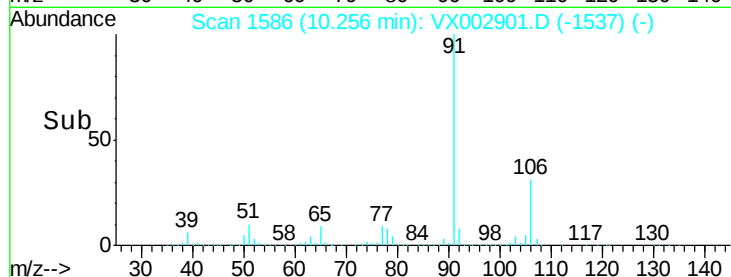
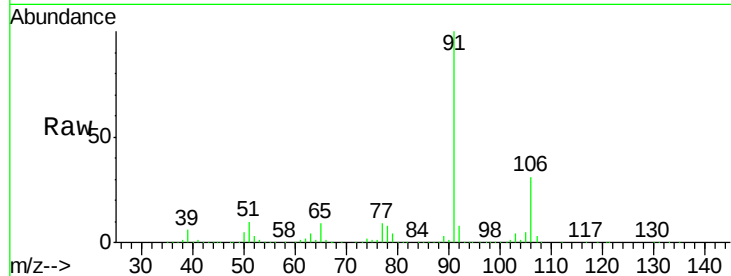
#67
Ethyl Benzene
Concen: 48.39 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 722500
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

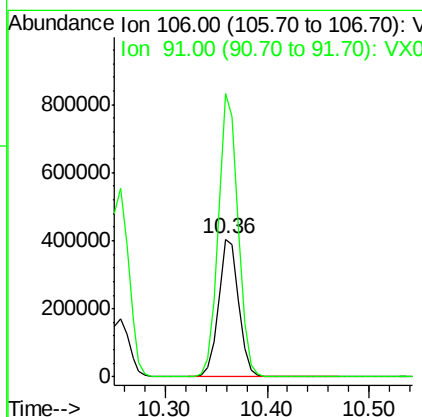
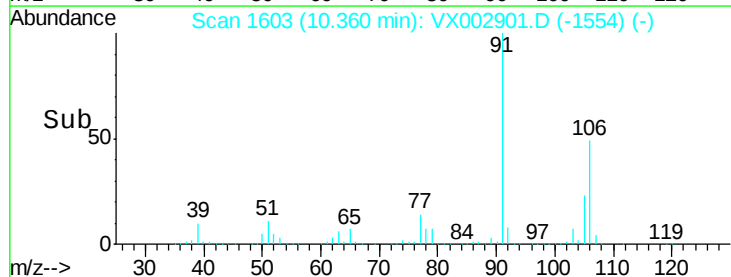
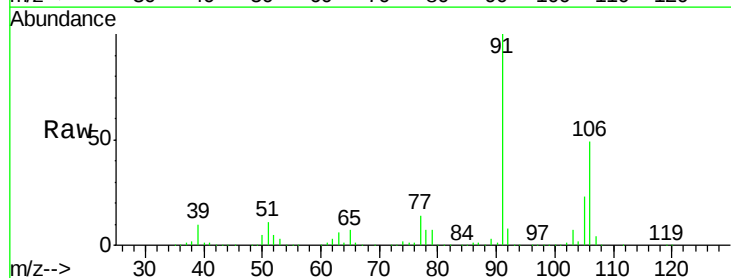
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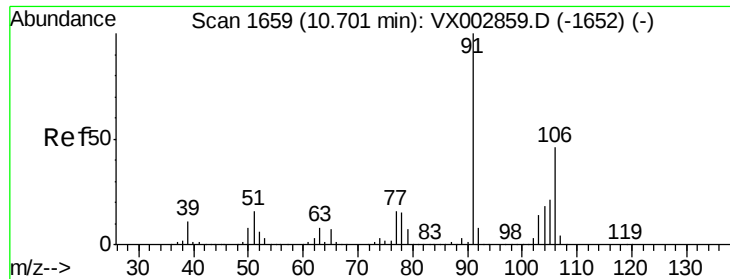
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#68
m/p-Xylenes
Concen: 97.04 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 106 Resp: 558415
Ion Ratio Lower Upper
106 100
91 202.8 163.4 245.2





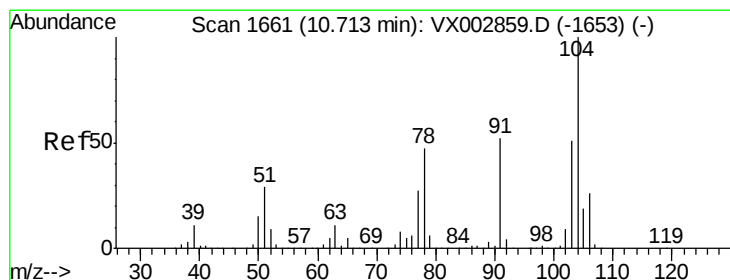
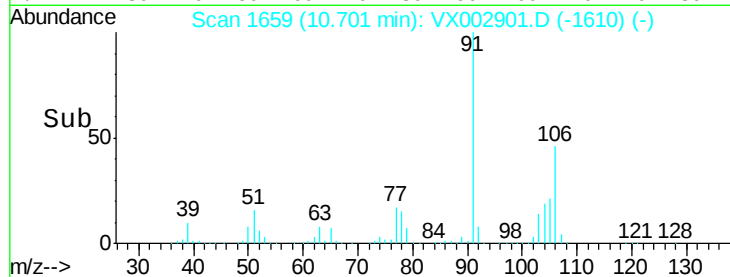
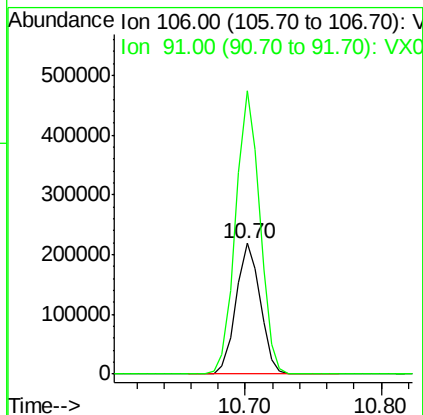
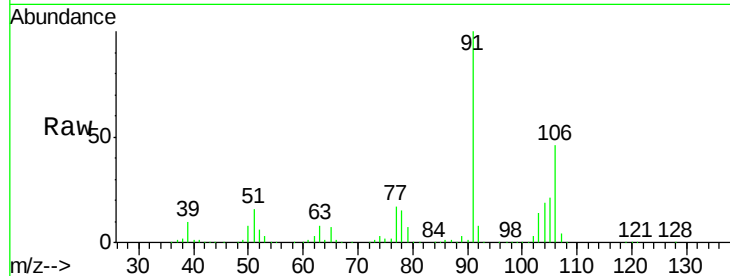
#69
o-Xylene
Concen: 48.58 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		272191		
91	216.1	108.2	324.6		

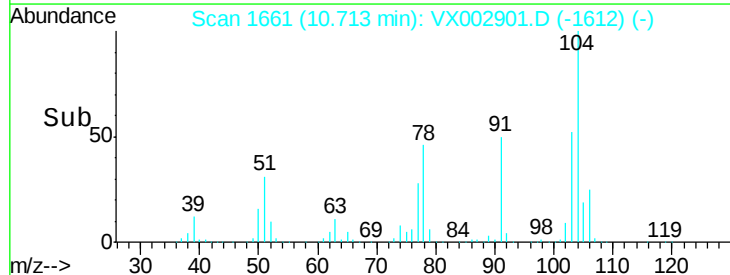
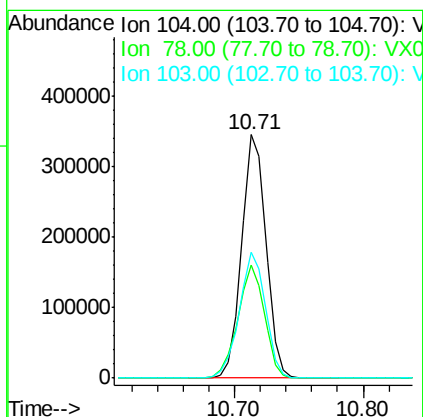
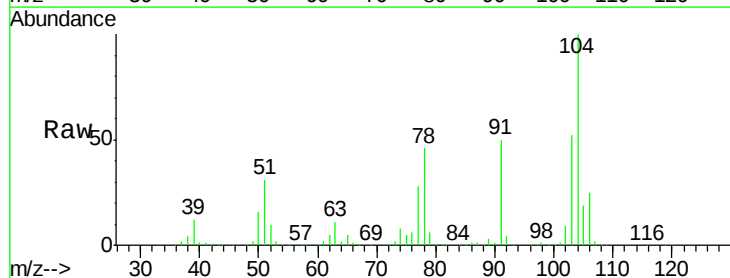
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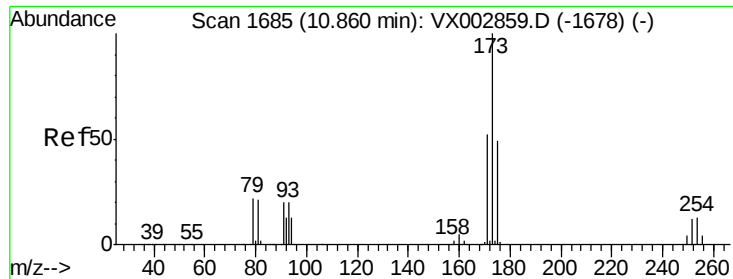
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#70
Styrene
Concen: 49.60 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		451639		
78	51.1	41.0	61.6		
103	55.9	44.2	66.4		





#71

Bromoform

Concen: 44.31 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 130033

Ion Ratio Lower Upper

173 100

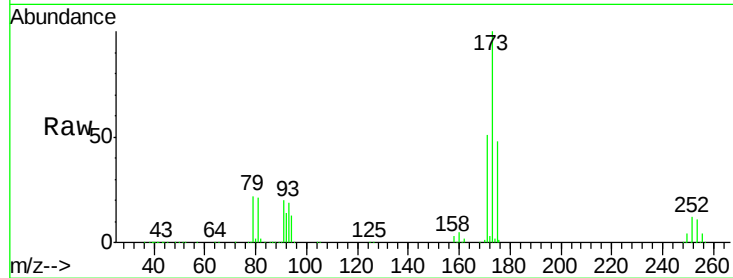
175 48.5 24.7 74.1

254 0.2 0.2 0.2

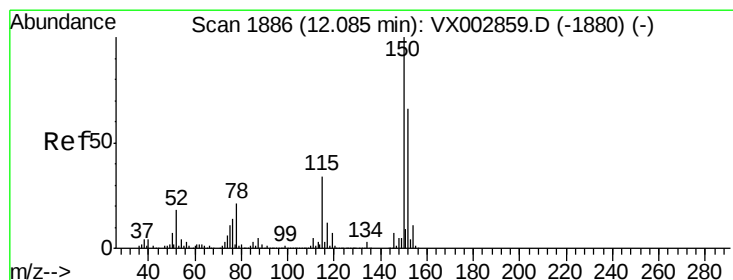
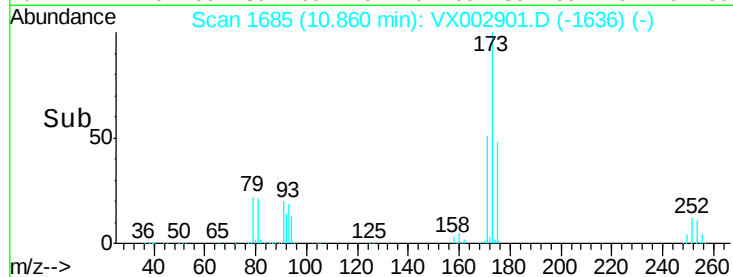
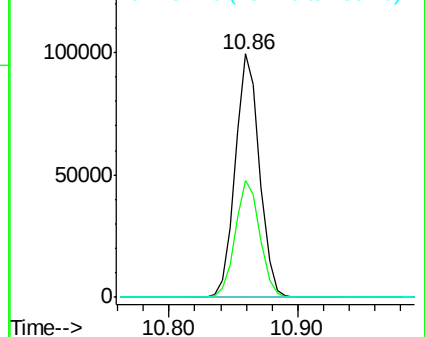
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

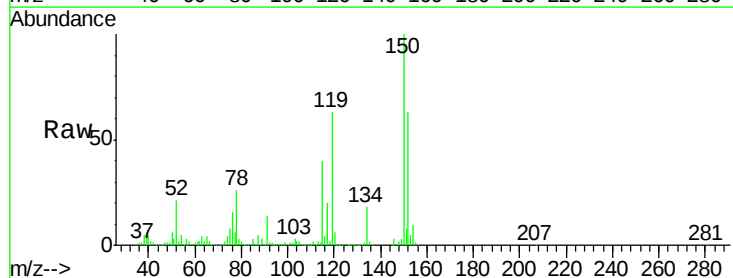
Tgt Ion:152 Resp: 227382

Ion Ratio Lower Upper

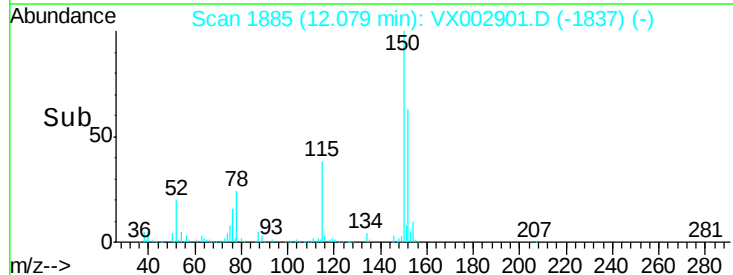
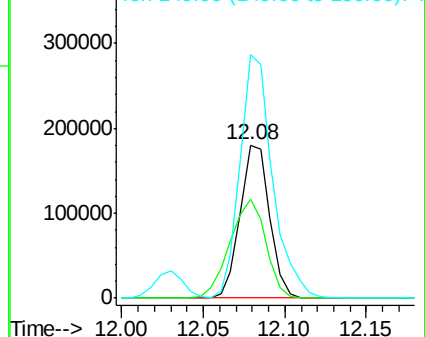
152 100

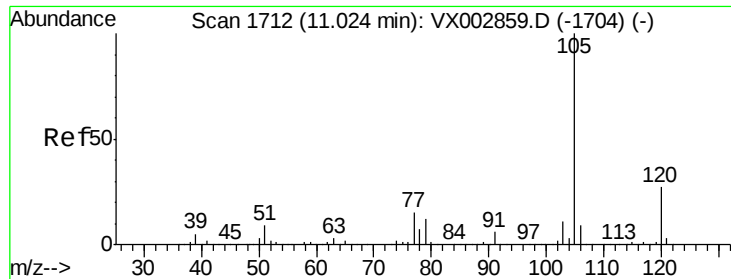
115 78.5 40.1 120.2

150 176.1 0.0 347.2



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: 48.80 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 746492

Ion Ratio Lower Upper

105 100

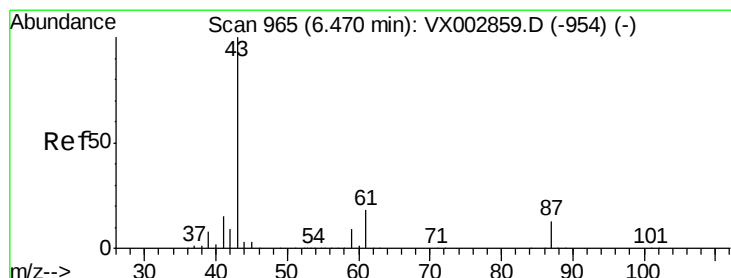
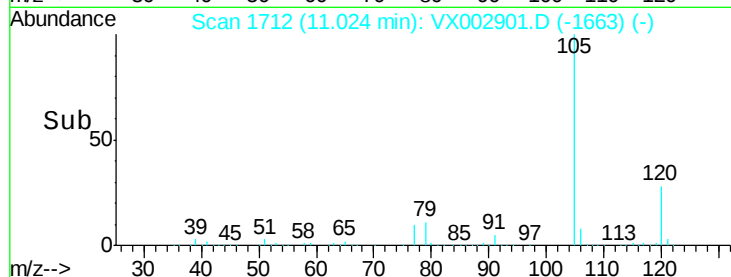
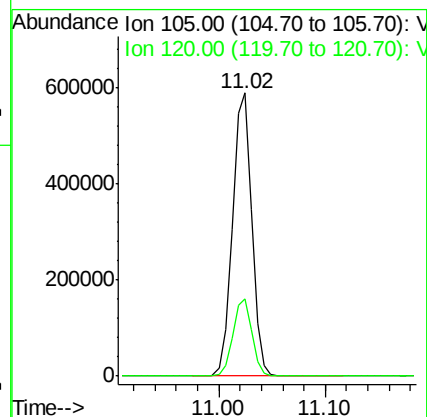
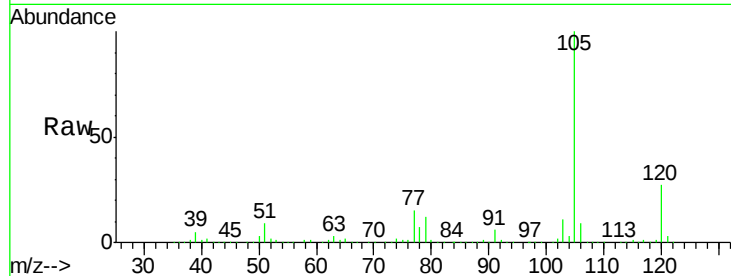
120 27.0 13.5 40.4

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#74

N-ethyl acetate

Concen: 46.81 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion: 43 Resp: 350370

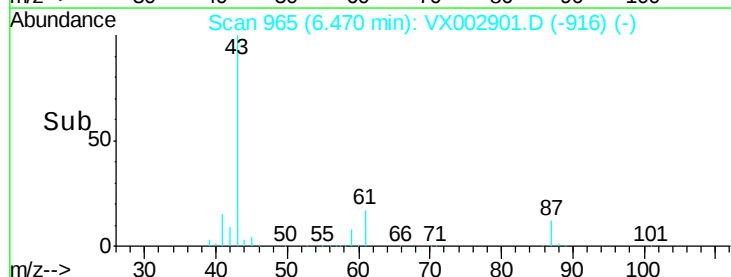
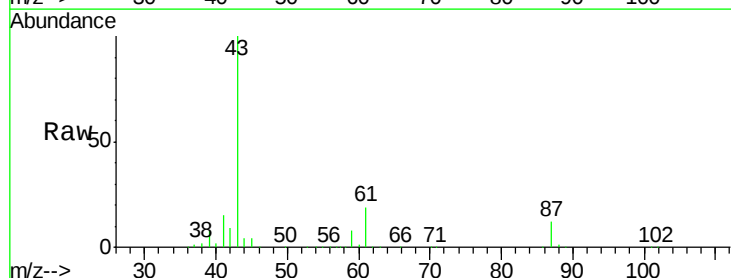
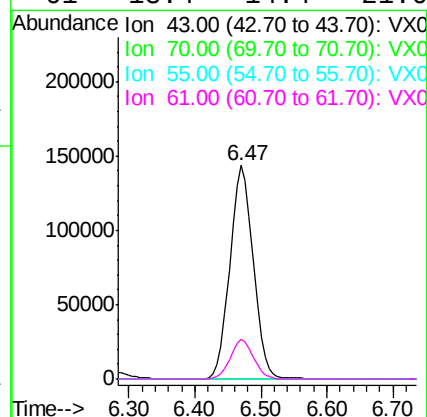
Ion Ratio Lower Upper

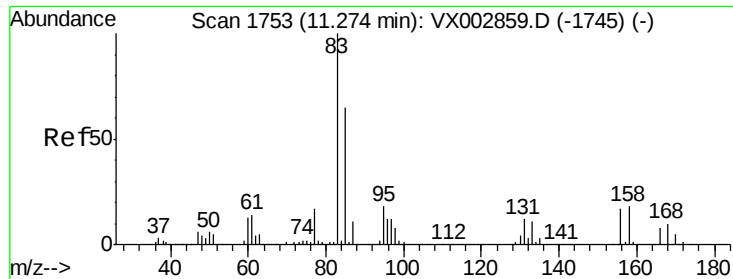
43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

61 18.4 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

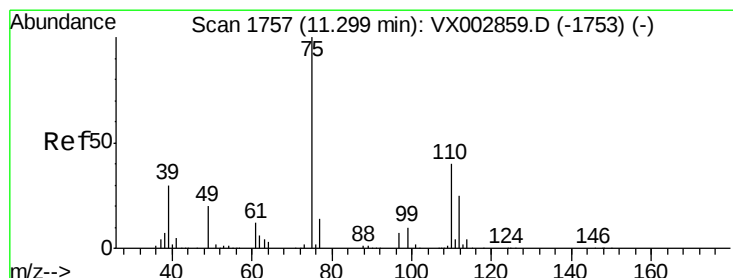
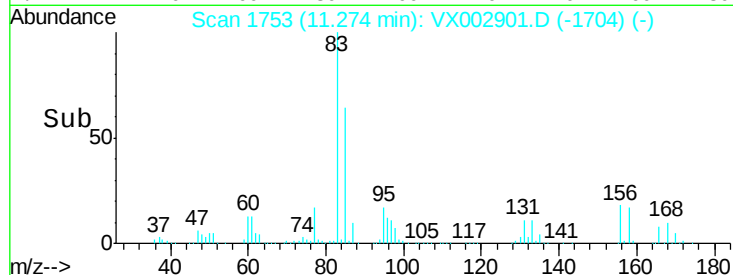
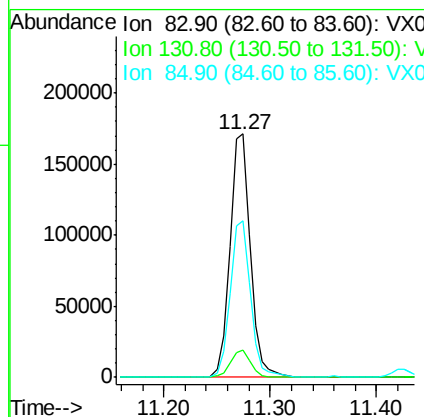
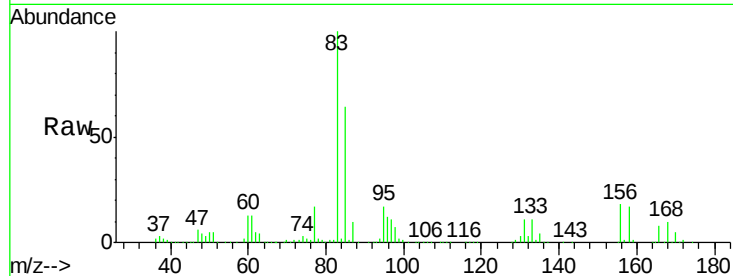
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	229714
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	64.3	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 55.39 ug/l m

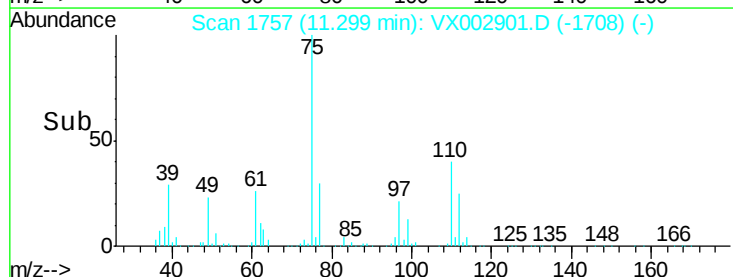
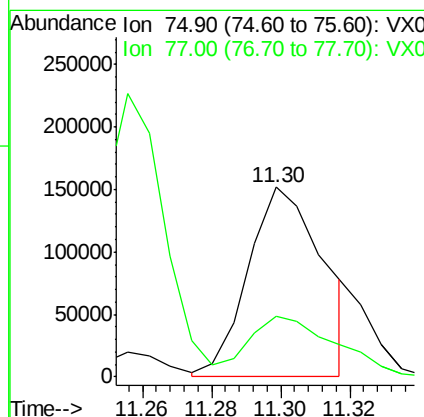
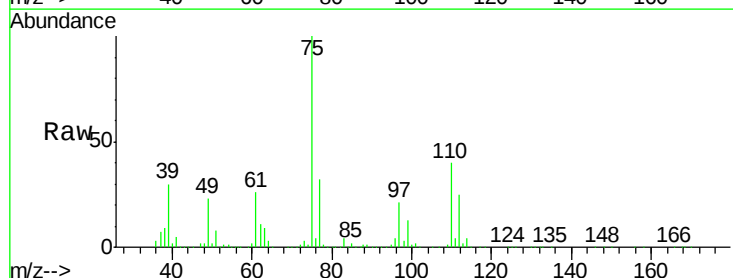
RT: 11.30 min Scan# 1757

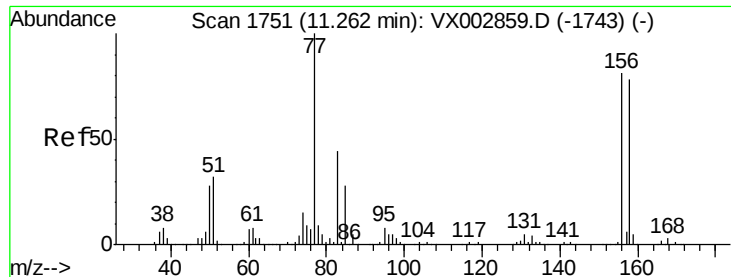
Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	75	Resp:	228125
Ion Ratio	Lower	Upper	
75	100		
77	37.2	22.8	68.3





#77

Bromobenzene

Concen: 47.31 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

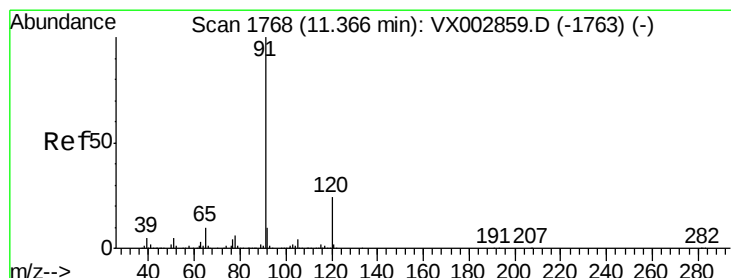
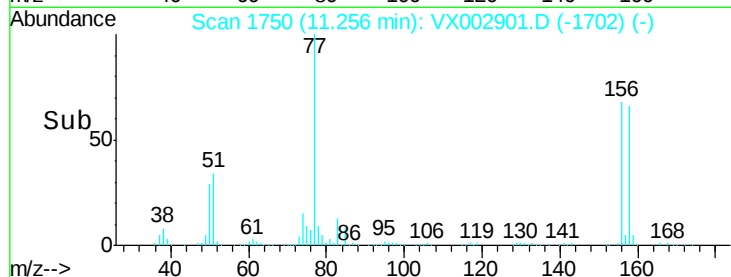
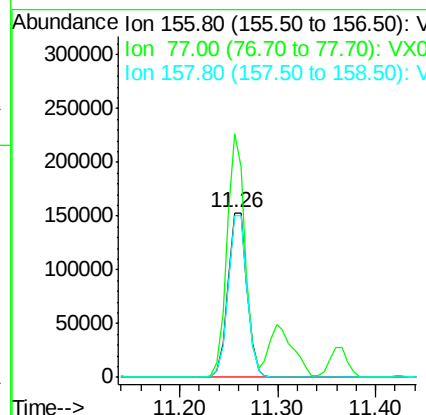
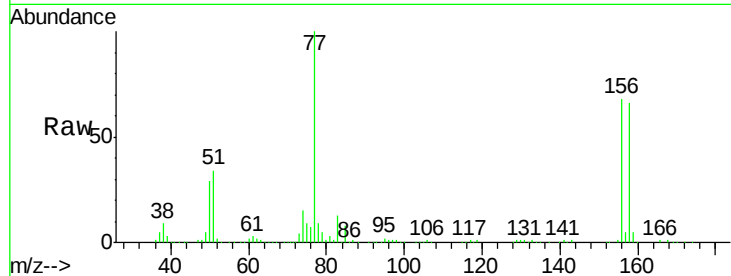
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	206098
Ion Ratio	Lower	Upper	
156	100		
77	139.3	71.4	214.2
158	97.7	48.9	146.6

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#78

n-propylbenzene

Concen: 48.81 ug/l

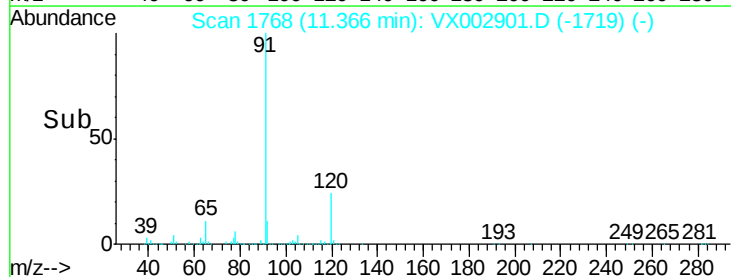
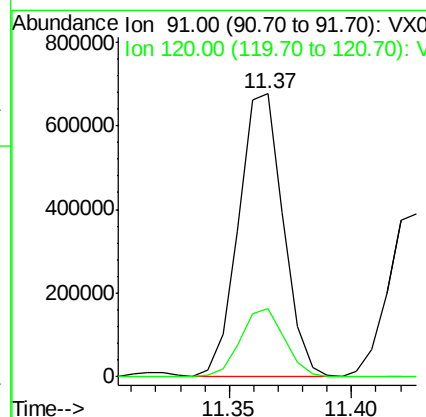
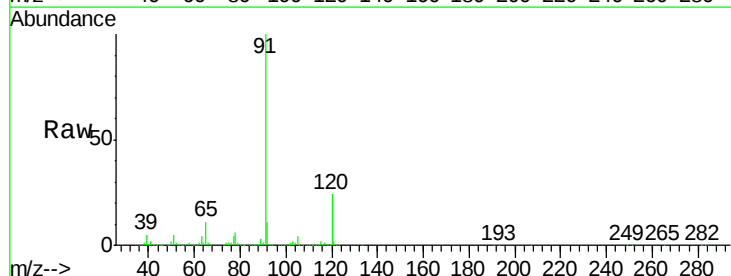
RT: 11.37 min Scan# 1768

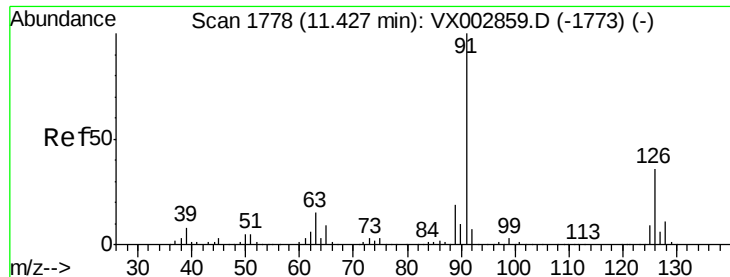
Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	91	Resp:	849936
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.8	35.4





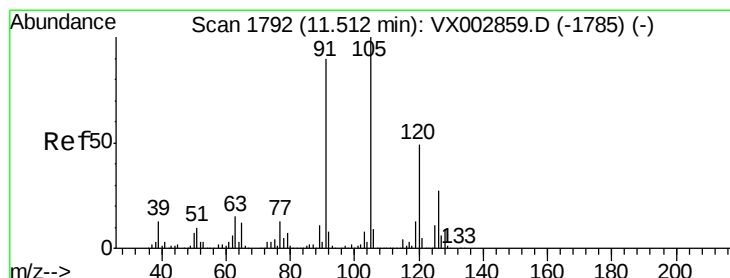
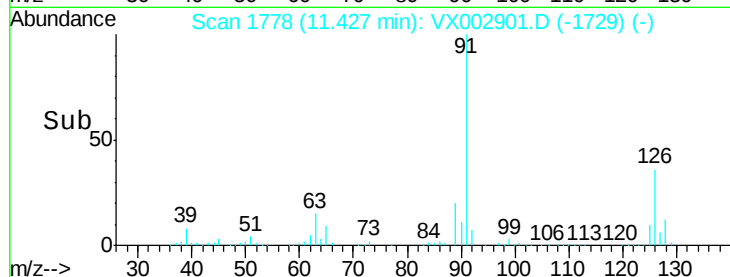
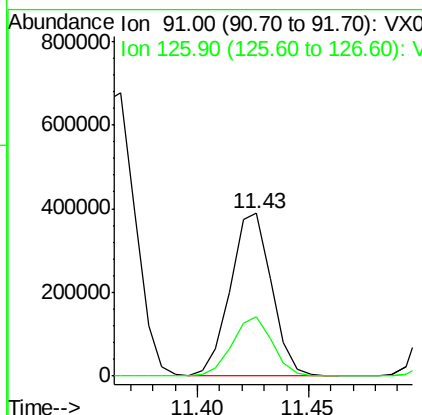
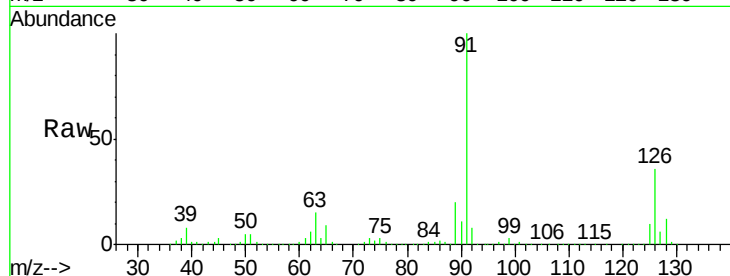
#79
2-Chlorotoluene
Concen: 47.43 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 499972
Ion Ratio Lower Upper
91 100
126 35.7 17.7 53.1

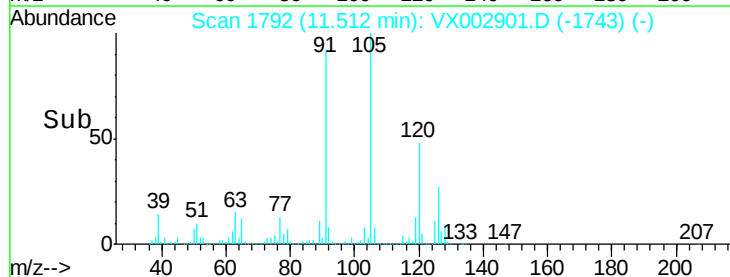
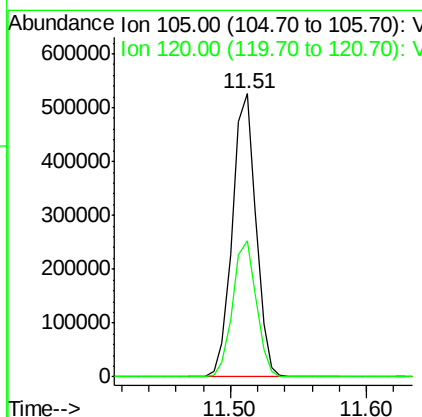
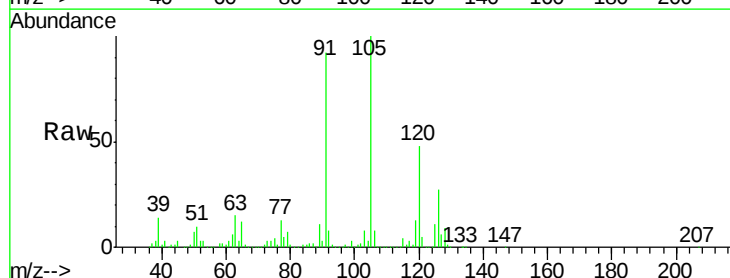
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 49.10 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion: 105 Resp: 632546
Ion Ratio Lower Upper
105 100
120 48.4 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 43.70 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

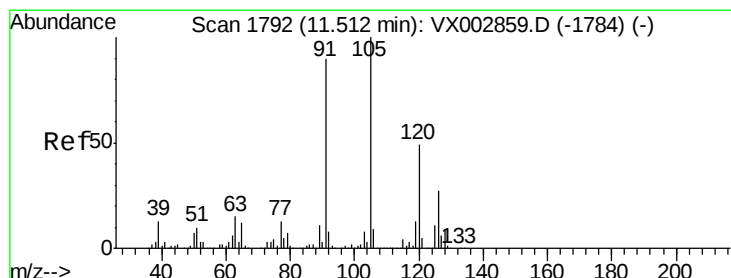
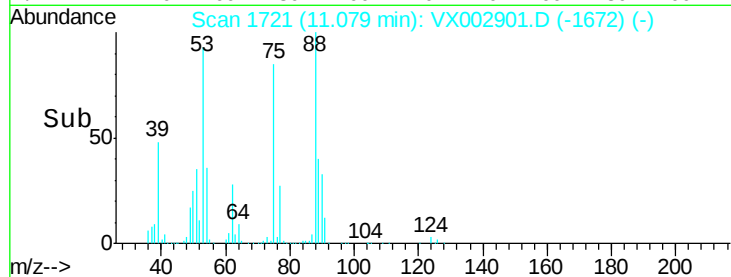
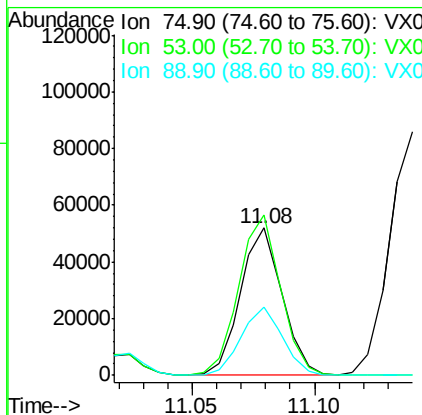
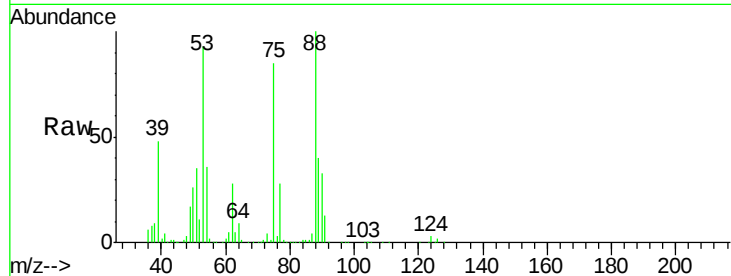
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	61391
Ion Ratio	Lower	Upper	
75	100		
53	109.5	86.8	130.2
89	46.7	38.2	57.2

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#82

4-Chlorotoluene

Concen: 48.22 ug/l

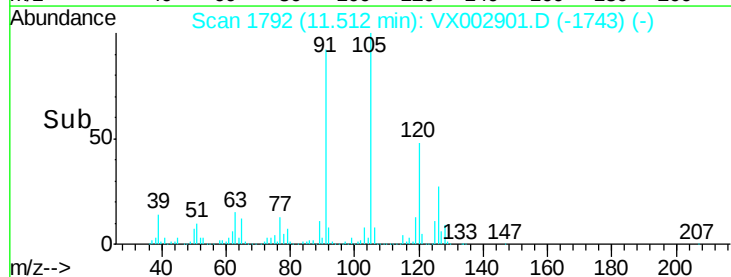
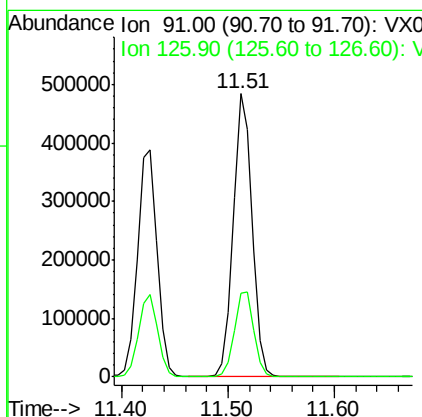
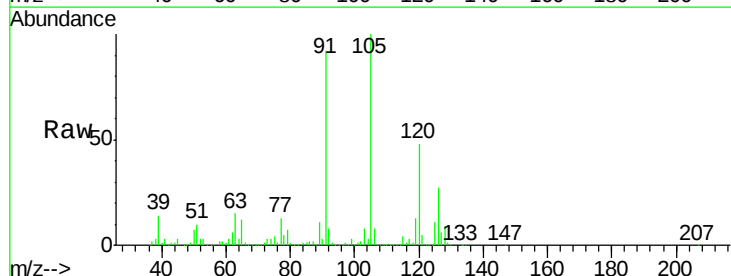
RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	91	Resp:	601748
Ion Ratio	Lower	Upper	
91	100		
126	31.0	15.4	46.4





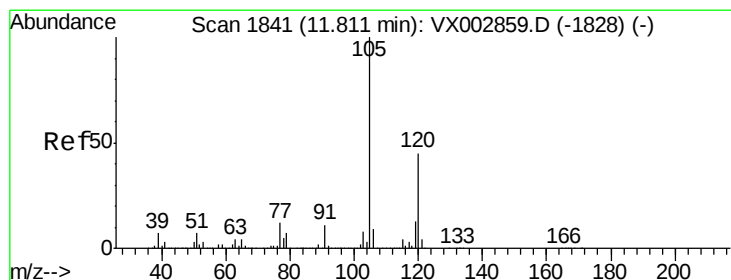
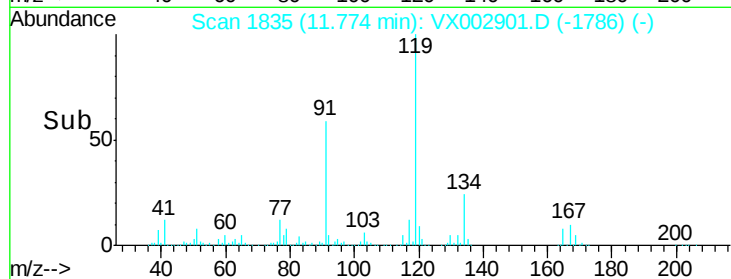
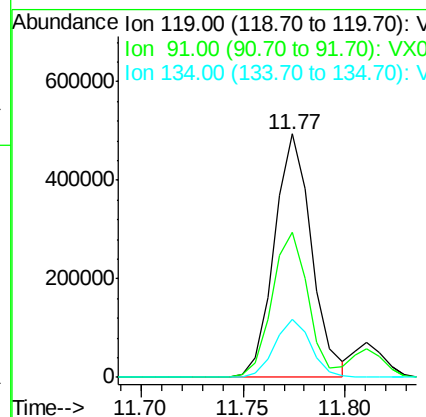
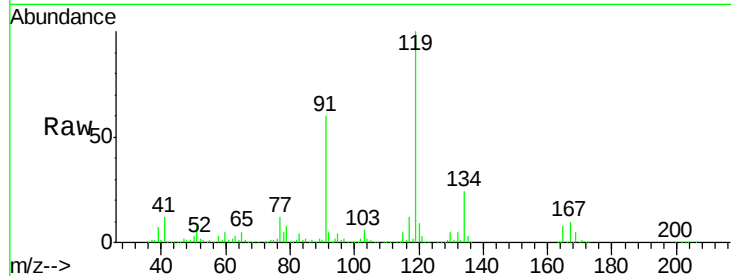
#83
 tert-Butylbenzene
 Concen: 49.56 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	629331		
91	58.6	30.3	90.9	
134	23.4	11.7	35.1	

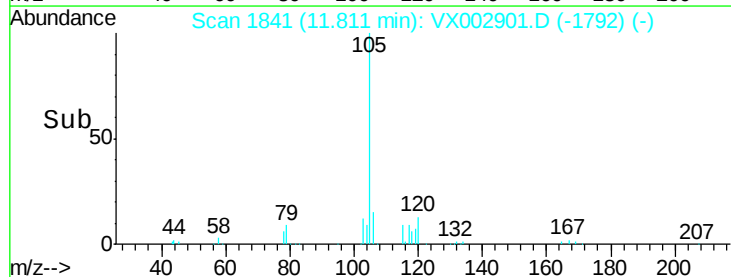
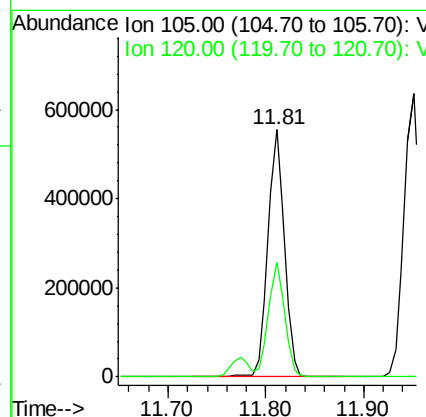
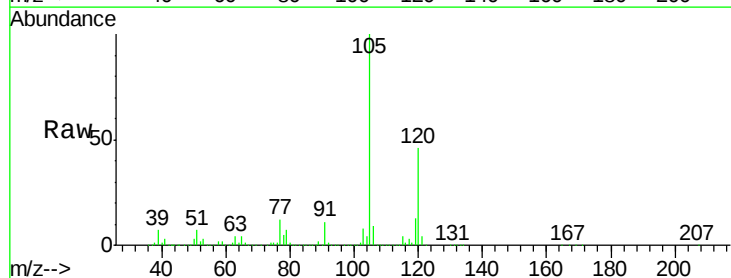
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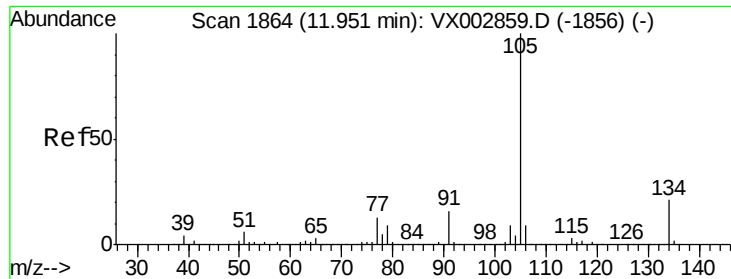
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.86 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	652184		
120	45.9	22.3	66.8	





#85

sec-Butylbenzene

Concen: 49.20 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 757793

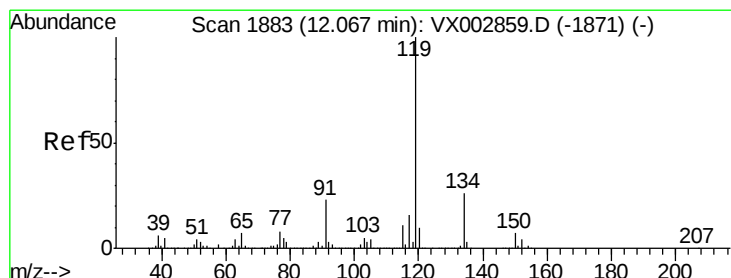
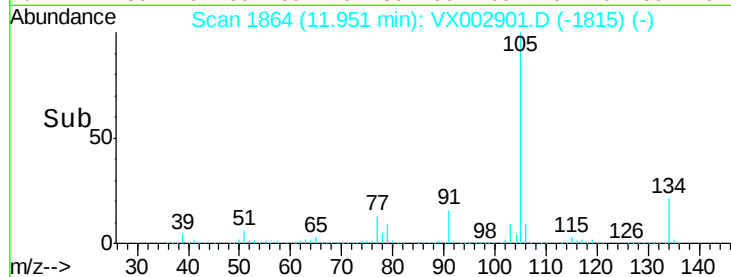
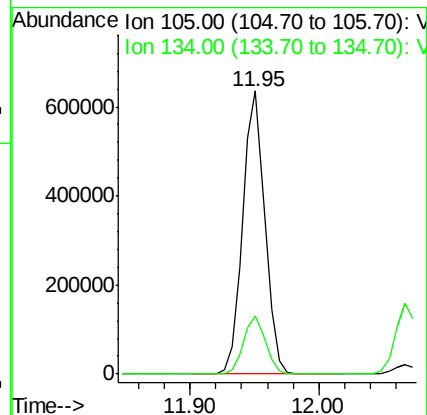
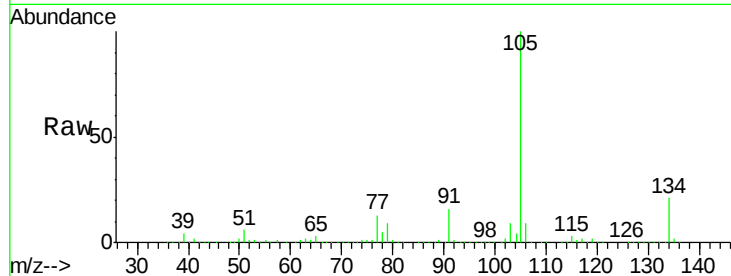
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 49.23 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

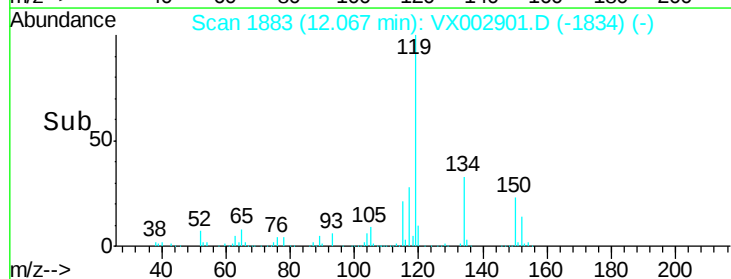
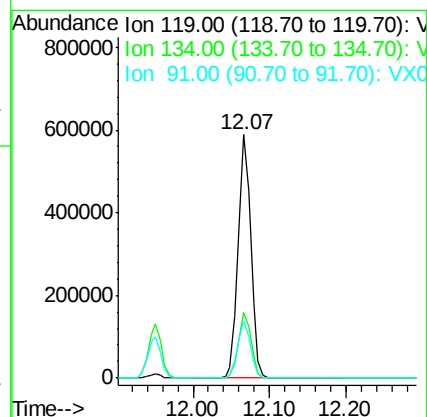
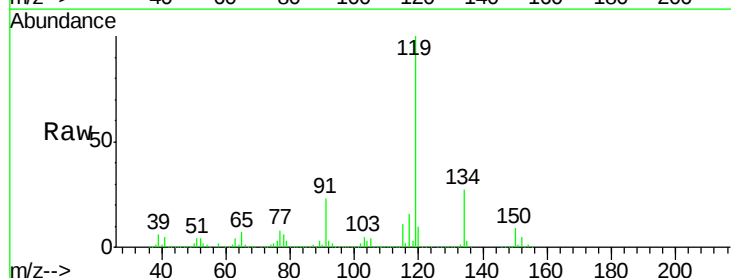
Tgt Ion:119 Resp: 681710

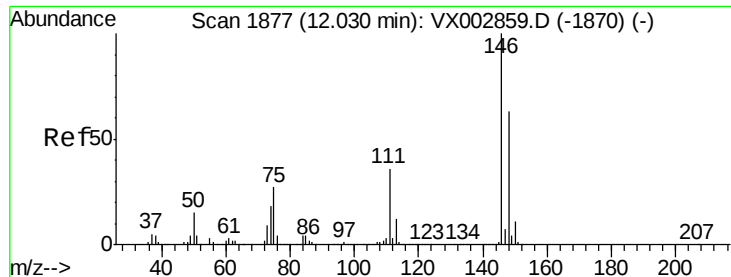
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.6 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 47.58 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 378531

Ion Ratio Lower Upper

146 100

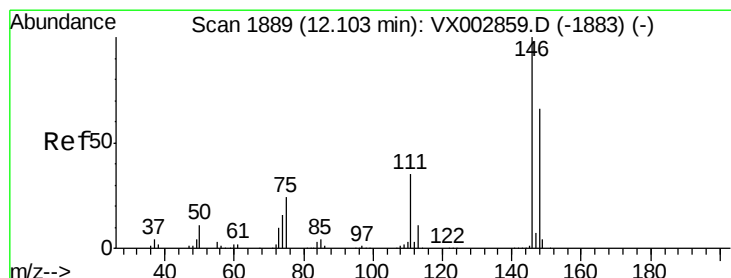
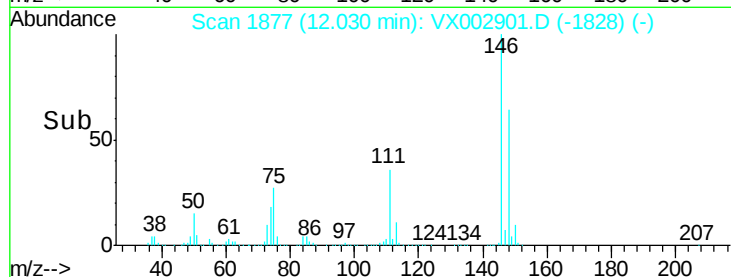
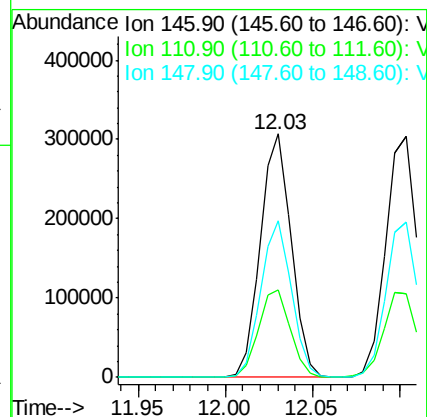
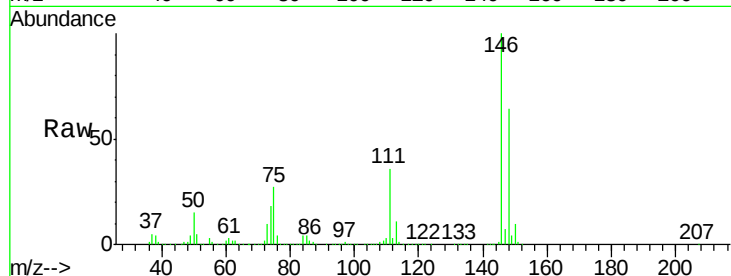
111 37.0 18.9 56.7

148 63.7 32.1 96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.47 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

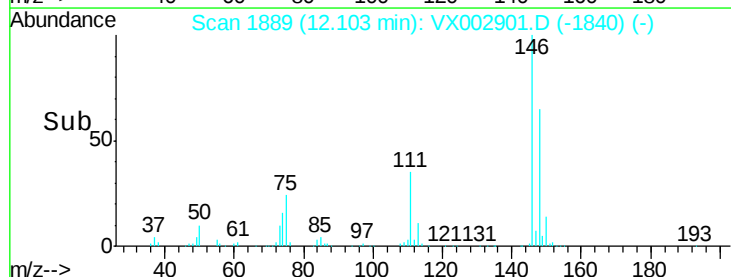
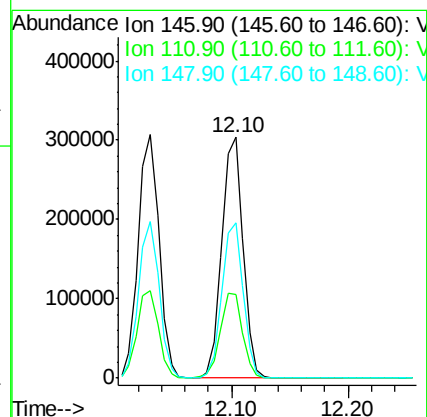
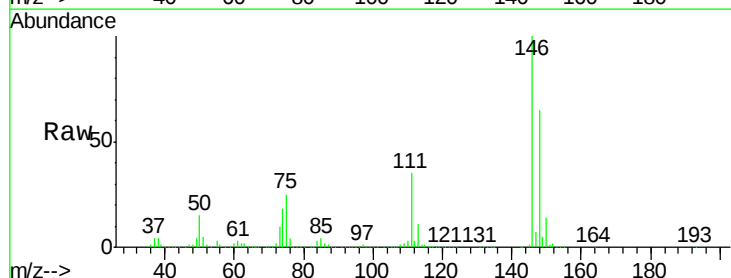
Tgt Ion:146 Resp: 380461

Ion Ratio Lower Upper

146 100

111 36.7 18.7 56.1

148 65.0 32.4 97.0





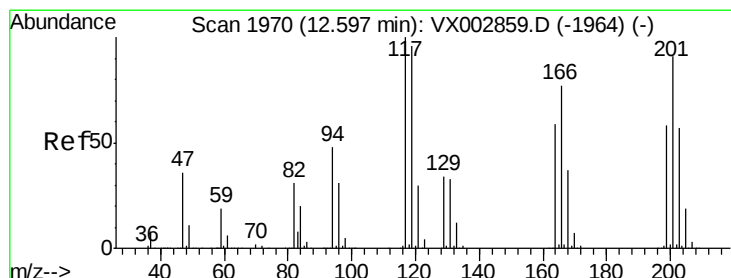
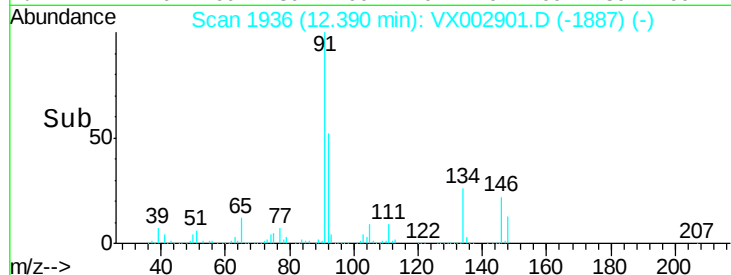
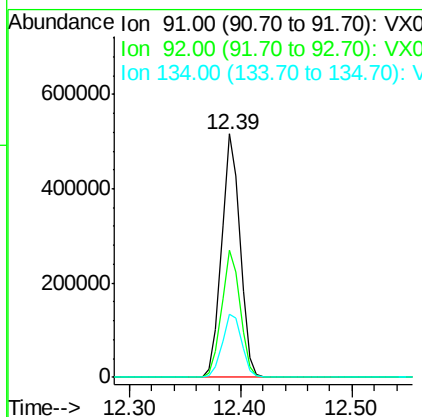
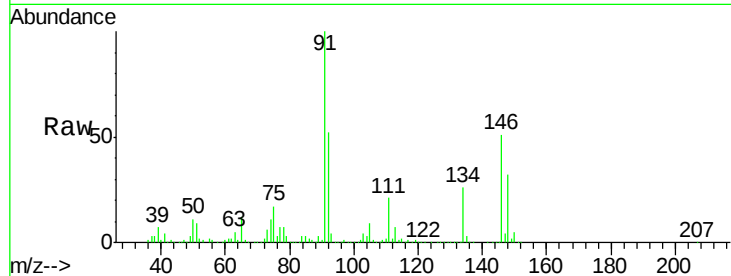
#89
n-Butylbenzene
Concen: 49.22 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	27.2	13.5	40.5

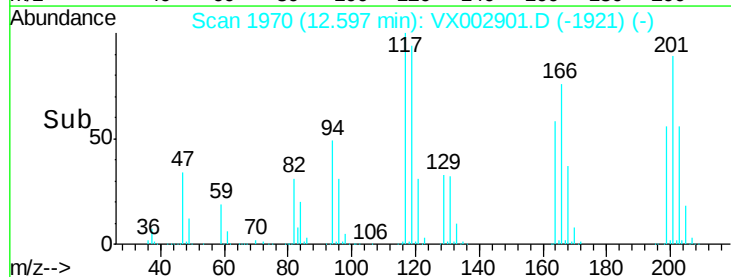
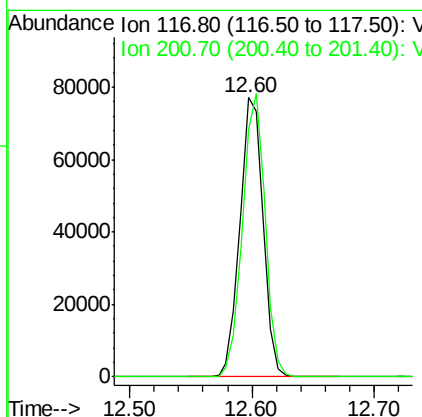
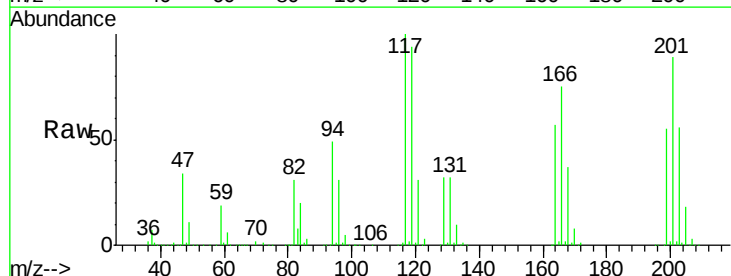
Manual Integrations
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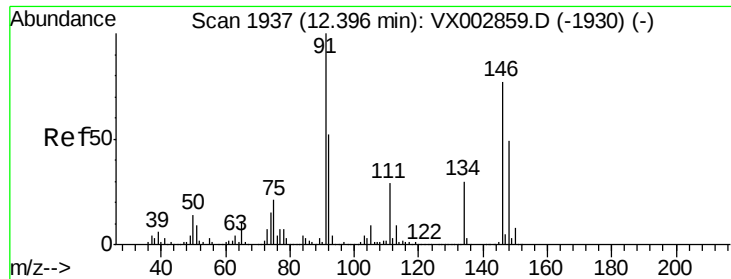
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#90
Hexachloroethane
Concen: 48.71 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX002901.D
Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.2	49.0	147.0





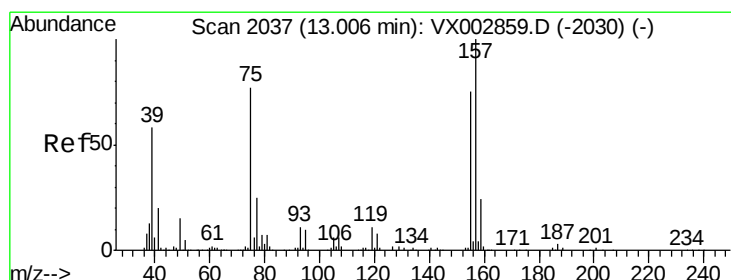
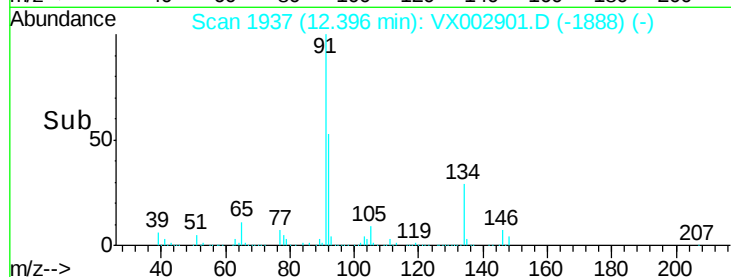
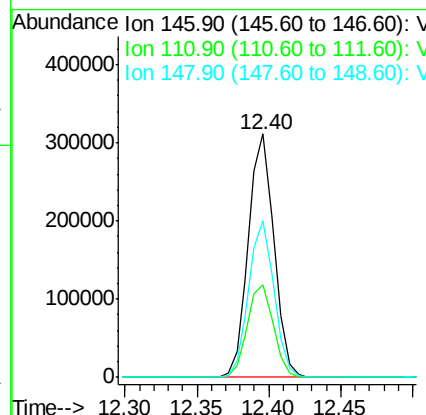
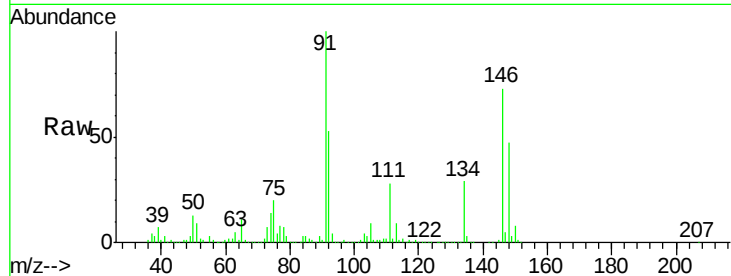
#91
 1,2-Dichlorobenzene
 Concen: 47.58 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	63.9	31.7	95.1

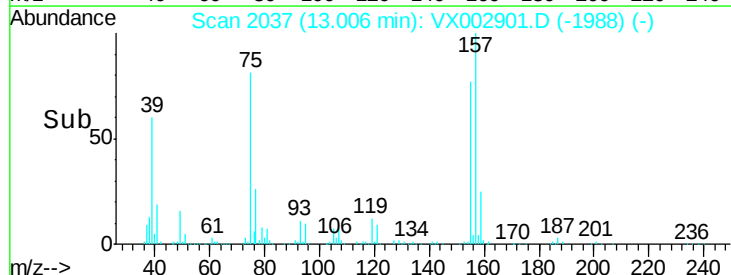
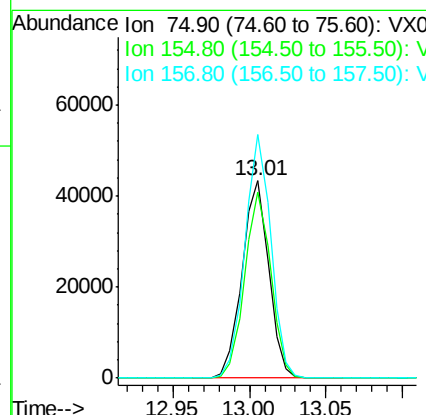
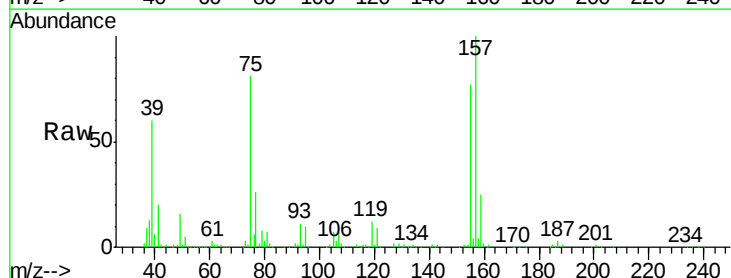
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.49 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	45.8	137.4
157	120.1	60.1	180.3





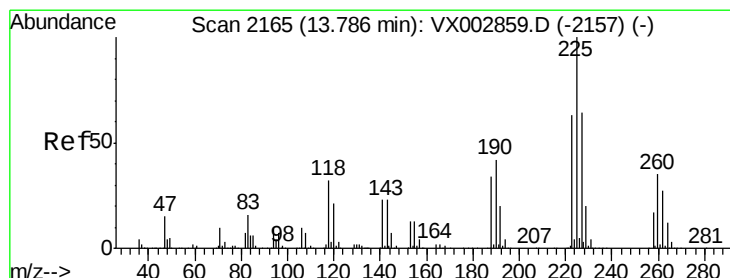
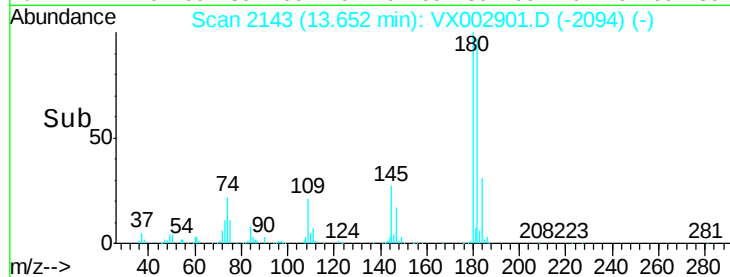
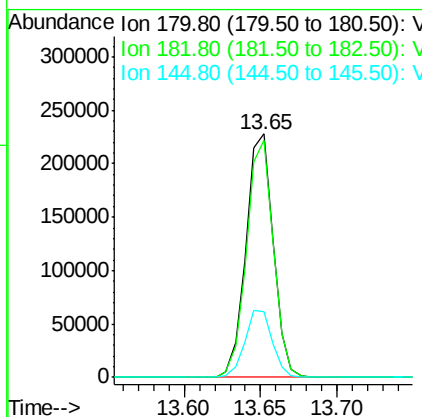
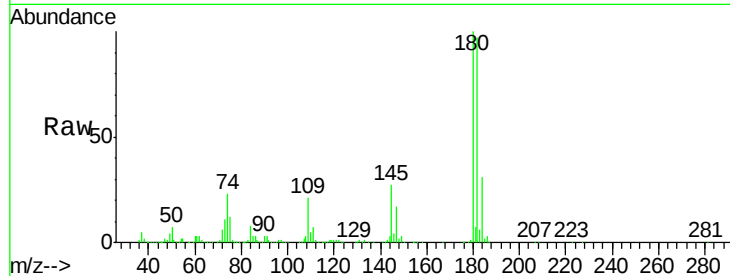
#93
 1,2,4-Trichlorobenzene
 Concen: 48.03 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280682		
182	95.9	47.7	143.1	
145	27.8	14.1	42.4	

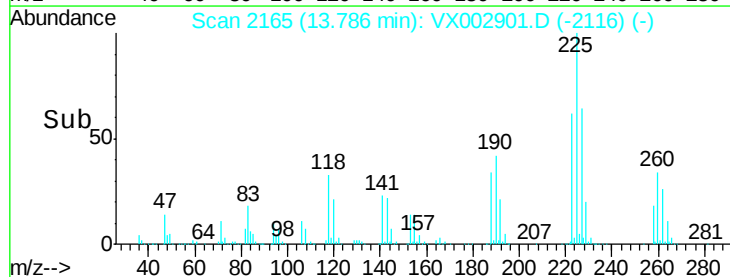
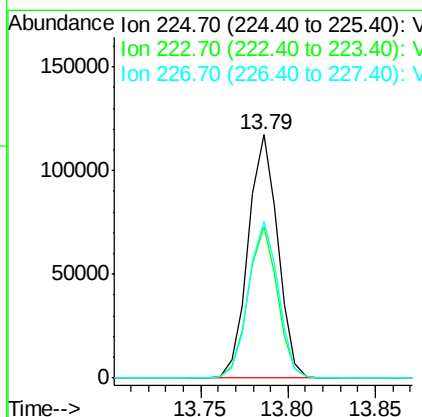
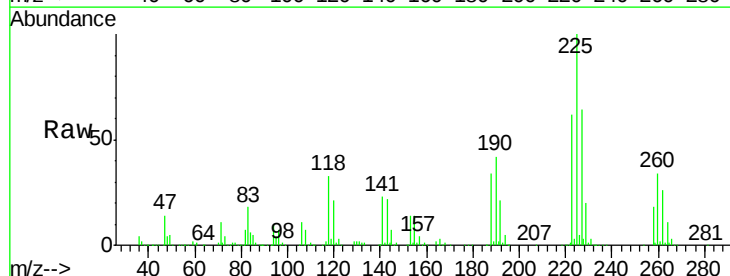
Manual Integrations
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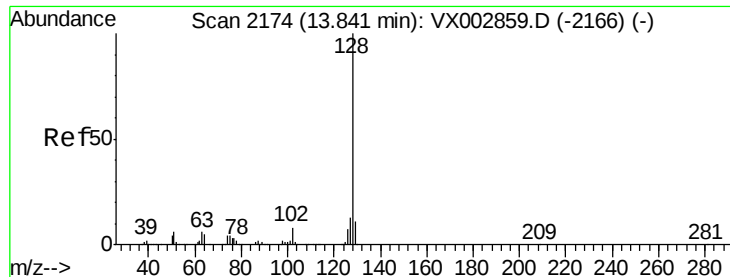
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#94
 Hexachlorobutadiene
 Concen: 47.39 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002901.D
 Acq: 26 Jun 2018 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138132		
223	61.8	31.6	95.0	
227	64.6	32.4	97.2	





#95

Naphthalene

Concen: 50.72 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Instrument :

MSVOA_X

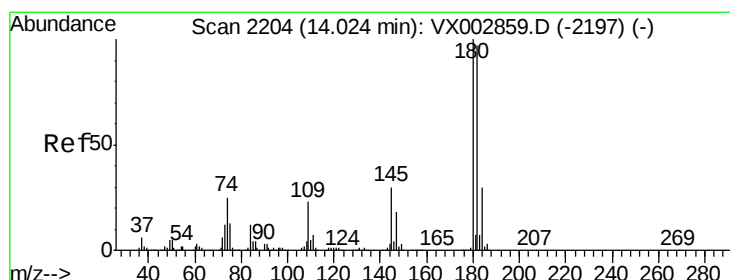
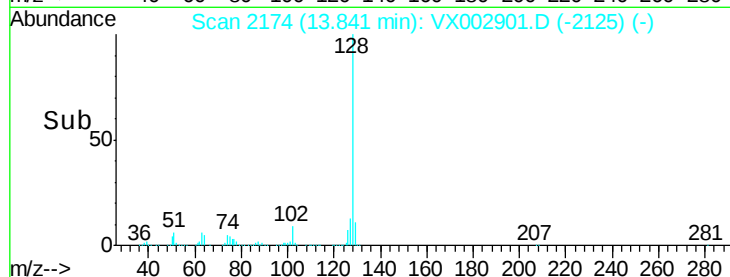
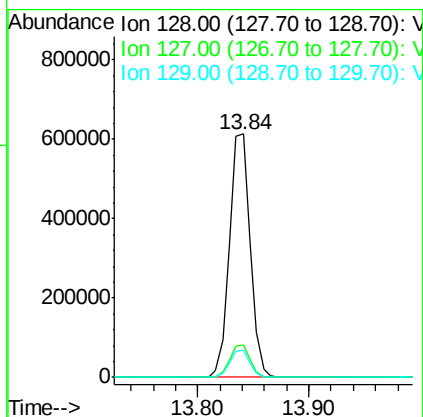
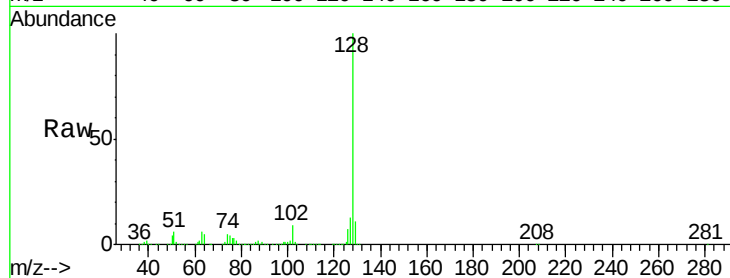
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	789441
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/28/2018 3:12:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.19 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002901.D

Acq: 26 Jun 2018 17:02

Tgt Ion:	180	Resp:	287156
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.0
145	29.5	14.8	44.3

