

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062818\
 Data File : VX003000.D
 Acq On : 28 Jun 2018 21:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 12:22:46 PM

Quant Time: Jun 29 07:46:14 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	271293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	380931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225488	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	189770	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	5.51	113	153174	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	8.72	98	554463	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.14	95	215023	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	152198	62.91	ug/l	100
3) Chloromethane	1.32	50	147871	59.01	ug/l	99
4) Vinyl Chloride	1.41	62	160523	52.32	ug/l	94
5) Bromomethane	1.64	94	81936	57.63	ug/l	98
6) Chloroethane	1.71	64	102609	57.31	ug/l	99
7) Trichlorofluoromethane	1.93	101	255449	49.36	ug/l	99
8) Diethyl Ether	2.19	74	91051	48.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	140311	46.79	ug/l	99
10) Methyl Iodide	2.51	142	119569	40.65	ug/l	99
11) Tert butyl alcohol	3.09	59	176032	235.65	ug/l	98
12) 1,1-Dichloroethene	2.37	96	130292	48.70	ug/l	98
13) Acrolein	2.30	56	84600	205.06	ug/l	100
14) Allyl chloride	2.73	41	256537	48.64	ug/l	97
15) Acrylonitrile	3.15	53	397304	249.01	ug/l	99
16) Acetone	2.45	43	364113	234.47	ug/l	96
17) Carbon Disulfide	2.57	76	372569	52.26	ug/l	98
18) Methyl Acetate	2.78	43	188705	43.46	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	464368	48.28	ug/l	100
20) Methylene Chloride	2.86	84	143917	47.62	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	139913	48.01	ug/l	94
22) Diisopropyl ether	3.88	45	502951	49.89	ug/l	98
23) Vinyl Acetate	3.83	43	2225250	260.67	ug/l	99
24) 1,1-Dichloroethane	3.70	63	272241	49.68	ug/l	99
25) 2-Butanone	4.71	43	593254	257.41	ug/l	99
26) 2,2-Dichloropropane	4.59	77	173211	38.87	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	167461	51.25	ug/l	93
28) Bromochloromethane	5.02	49	131982	50.32	ug/l	94
29) Tetrahydrofuran	5.17	42	382967	259.13	ug/l	98
30) Chloroform	5.22	83	282899	50.31	ug/l	97
31) Cyclohexane	5.57	56	232428	49.43	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	253465	51.23	ug/l	99
36) 1,1-Dichloropropene	5.80	75	205269	49.14	ug/l	99
37) Ethyl Acetate	4.87	43	232493	51.69	ug/l	99
38) Carbon Tetrachloride	5.79	117	228461	49.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220888	45.40	ug/l	97
40) Benzene	6.15	78	609656	50.23	ug/l	99
41) Methacrylonitrile	5.07	41	132133	51.02	ug/l	98
42) 1,2-Dichloroethane	6.20	62	235756	48.08	ug/l	99
43) Isopropyl Acetate	6.47	43	374499	49.65	ug/l	99
44) Trichloroethene	7.22	130	179688	49.65	ug/l	98
45) 1,2-Dichloropropane	7.52	63	159295	49.48	ug/l	99
46) Dibromomethane	7.66	93	109547	49.03	ug/l	97
47) Bromodichloromethane	7.90	83	211382	51.17	ug/l	99
48) Methyl methacrylate	7.78	41	196834	50.64	ug/l	97
49) 1,4-Dioxane	7.76	88	77771	1028.44	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1220681	258.64	ug/l	98
52) Toluene	8.79	92	389195	50.05	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	237160	50.70	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	220691	49.03	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	160018	50.08	ug/l	98
56) Ethyl methacrylate	9.18	69	245223	52.51	ug/l	97
57) 1,3-Dichloropropane	9.38	76	262583	50.04	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	583836	259.16	ug/l	98
59) 2-Hexanone	9.50	43	933545	260.26	ug/l	97
60) Dibromochloromethane	9.59	129	174493	51.88	ug/l	100
61) 1,2-Dibromoethane	9.68	107	170274	50.81	ug/l	100
64) Tetrachloroethene	9.34	164	197881	48.63	ug/l	99
65) Chlorobenzene	10.14	112	451954	48.62	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	168923	50.03	ug/l	99
67) Ethyl Benzene	10.26	91	766505	49.92	ug/l	100
68) m/p-Xylenes	10.36	106	593958	100.37	ug/l	99
69) o-Xylene	10.70	106	289033	50.16	ug/l	99
70) Styrene	10.71	104	490071	52.34	ug/l	99
71) Bromoform	10.86	173	138402	45.73	ug/l	99
73) Isopropylbenzene	11.02	105	769644	50.74	ug/l	100
74) N-amyl acetate	6.47	43	374499	50.46	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	241902	51.77	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	234851m	57.50	ug/l	
77) Bromobenzene	11.26	156	220068	50.94	ug/l	97
78) n-propylbenzene	11.37	91	864240	50.05	ug/l	99
79) 2-Chlorotoluene	11.43	91	521285	49.87	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	643473	50.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	58676	42.24	ug/l	98
82) 4-Chlorotoluene	11.51	91	617378	49.89	ug/l	99
83) tert-Butylbenzene	11.77	119	622657	49.45	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	664733	50.22	ug/l	99
85) sec-Butylbenzene	11.95	105	737755	48.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	674639	49.13	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	387276	49.09	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	393227	48.43	ug/l	99
89) n-Butylbenzene	12.39	91	570965	47.77	ug/l	100
90) Hexachloroethane	12.60	117	95968	46.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	396292	49.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53858	51.27	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	279216	48.18	ug/l	100
94) Hexachlorobutadiene	13.79	225	138934	48.07	ug/l	99
95) Naphthalene	13.84	128	833965	54.03	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	284735	49.19	ug/l	100

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

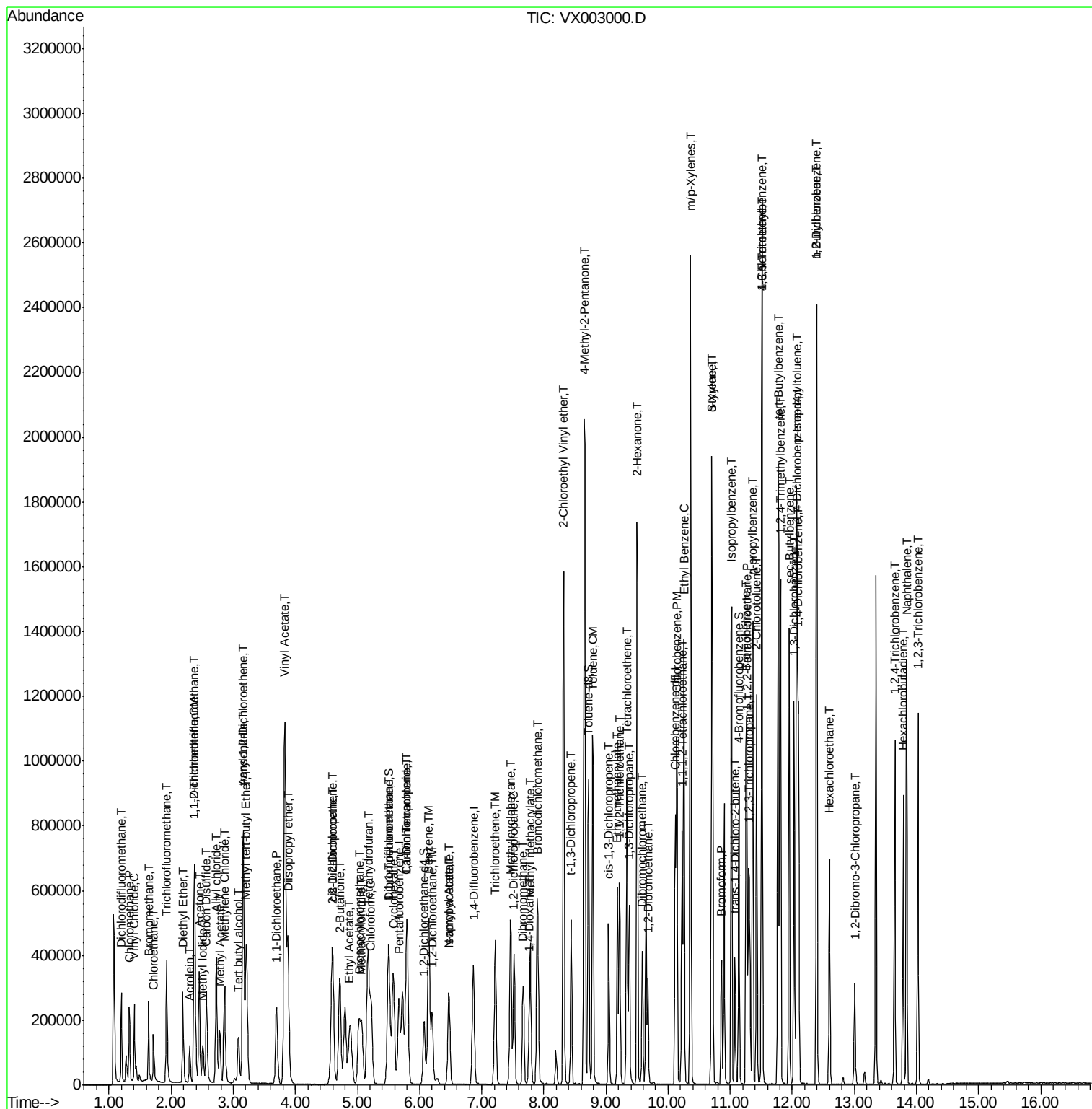
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
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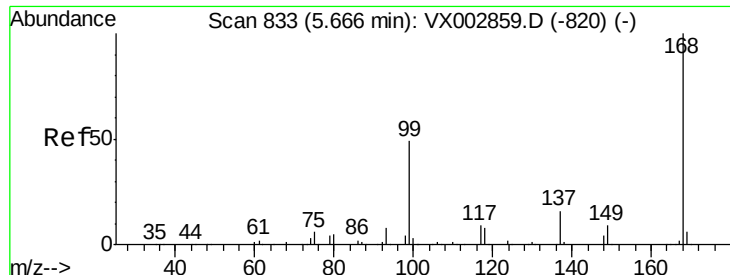
Instrument :
 MSVOA_X
 Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 271293

Ion Ratio Lower Upper

168 100

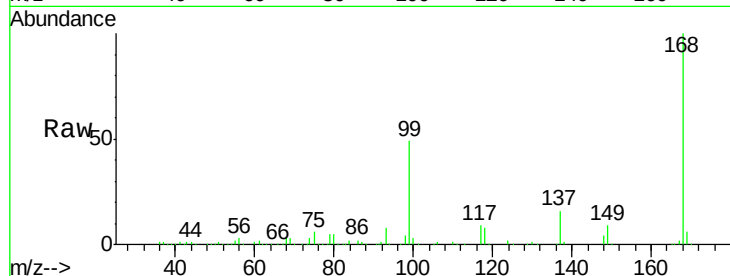
99 48.9 39.3 58.9

Manual Integrations

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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

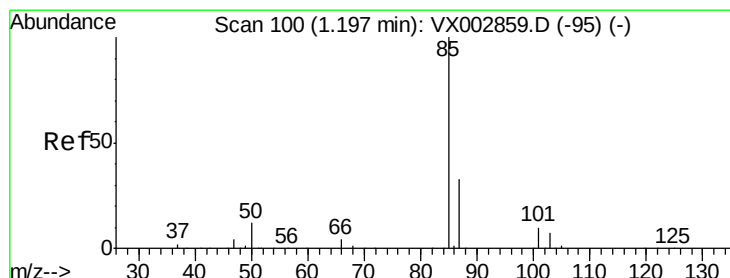
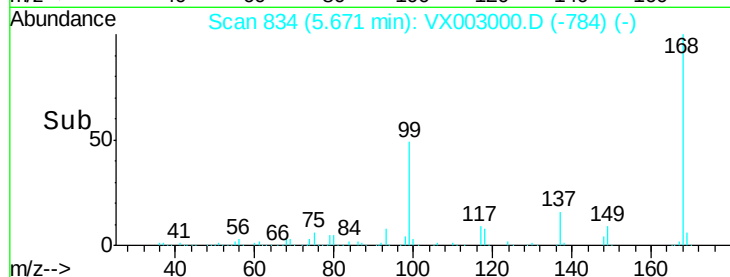
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 62.91 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003000.D

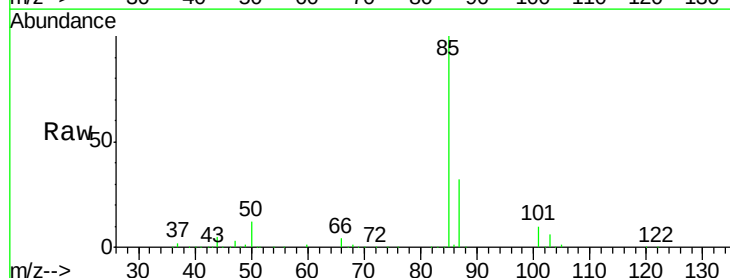
Acq: 28 Jun 2018 21:53

Tgt Ion: 85 Resp: 152198

Ion Ratio Lower Upper

85 100

87 31.7 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

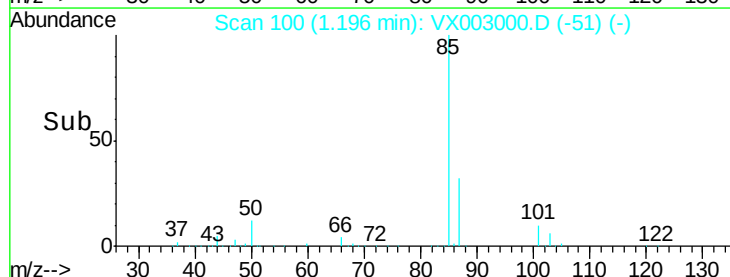
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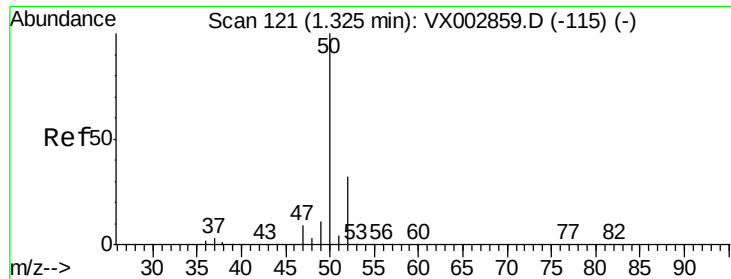
100000

50000

0

Time--> 1.10 1.20 1.30





#3

Chloromethane

Concen: 59.01 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 147871

Ion Ratio Lower Upper

50 100

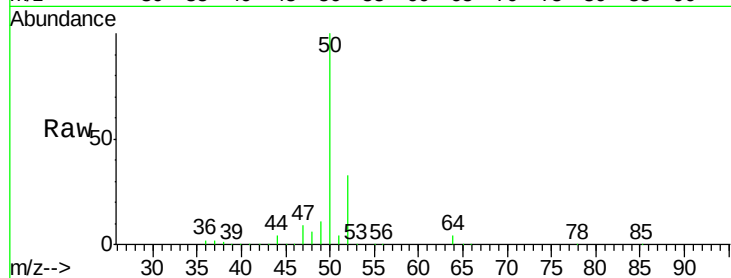
52 32.8 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

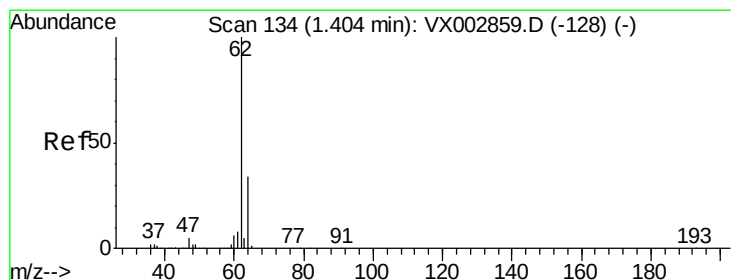
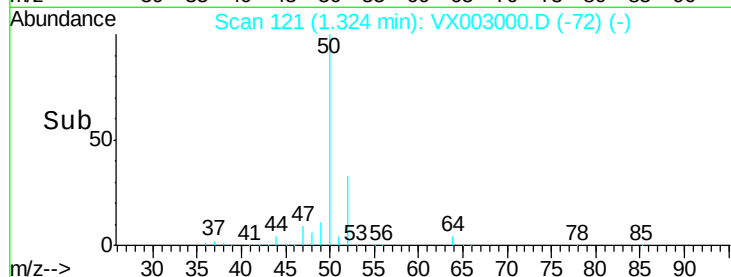
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 52.32 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003000.D

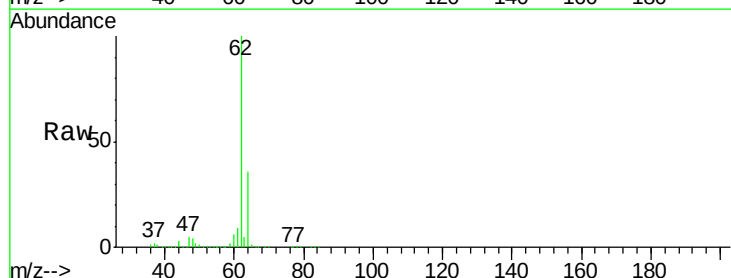
Acq: 28 Jun 2018 21:53

Tgt Ion: 62 Resp: 160523

Ion Ratio Lower Upper

62 100

64 35.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

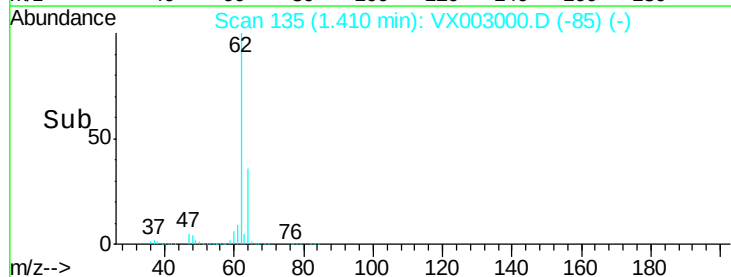
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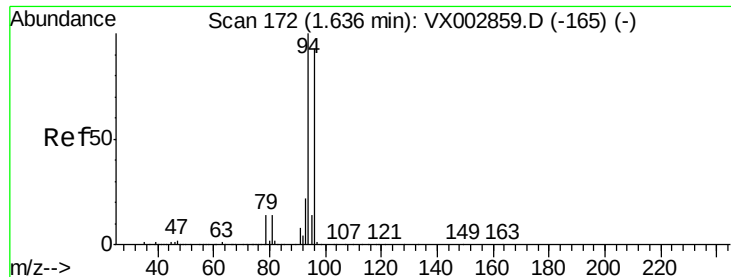
100000

50000

0

Time-->





#5

Bromomethane

Concen: 57.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 81936

Ion Ratio Lower Upper

94 100

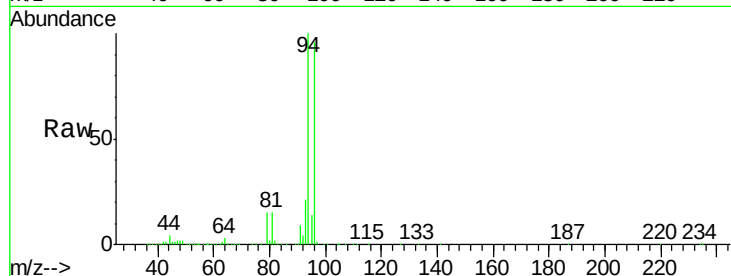
96 95.5 74.9 112.3

Manual Integrations

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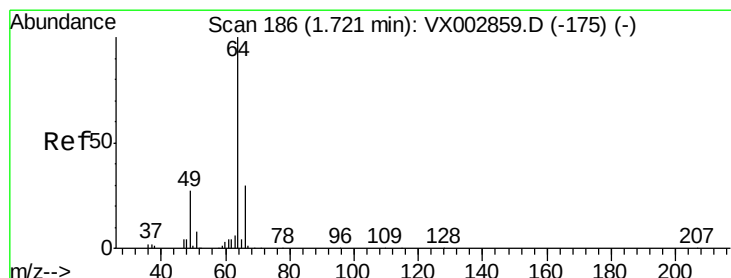
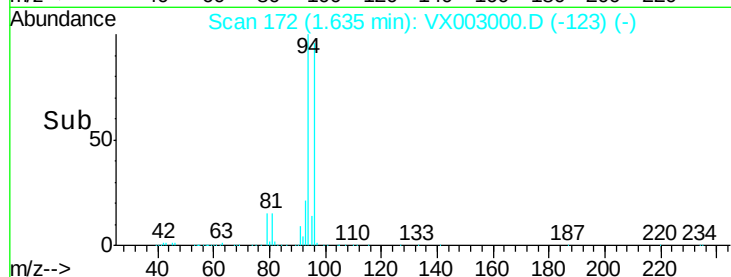
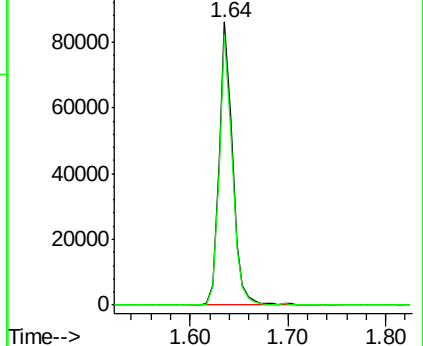
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.31 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003000.D

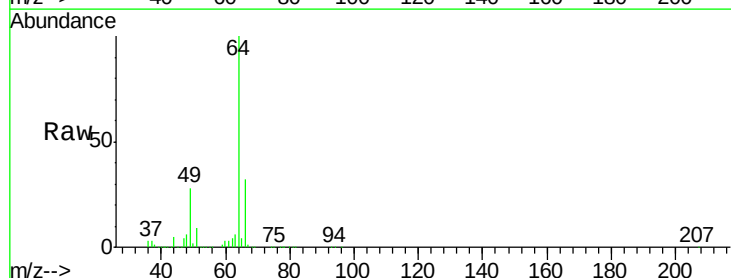
Acq: 28 Jun 2018 21:53

Tgt Ion: 64 Resp: 102609

Ion Ratio Lower Upper

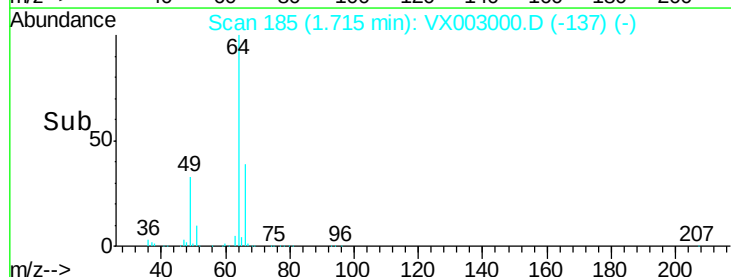
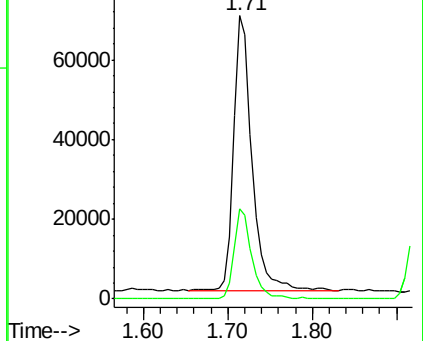
64 100

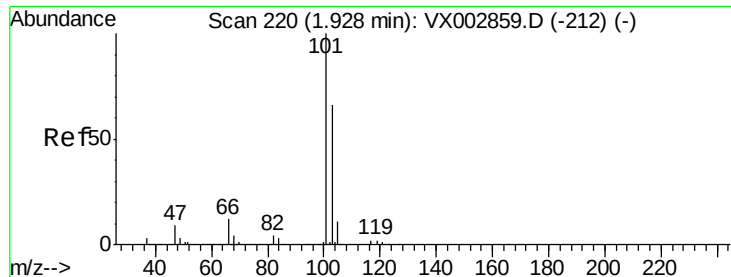
66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

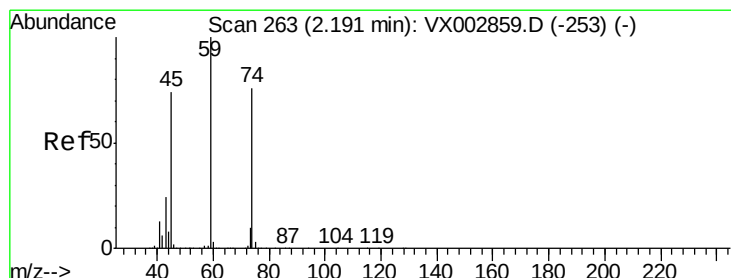
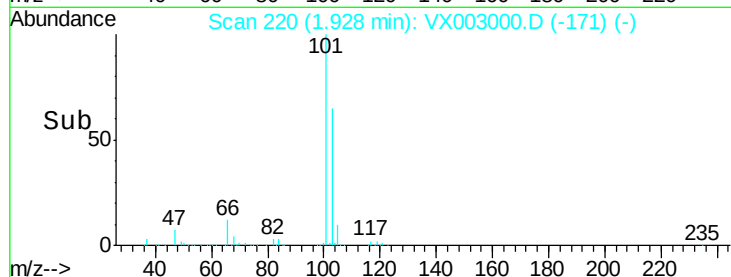
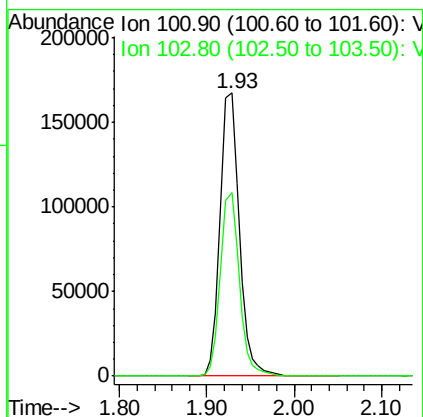
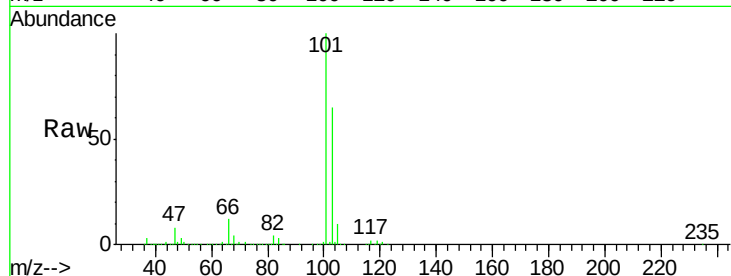
Trichlorofluoromethane
 Concen: 49.36 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	255449		
103	65.1	52.8	79.2	

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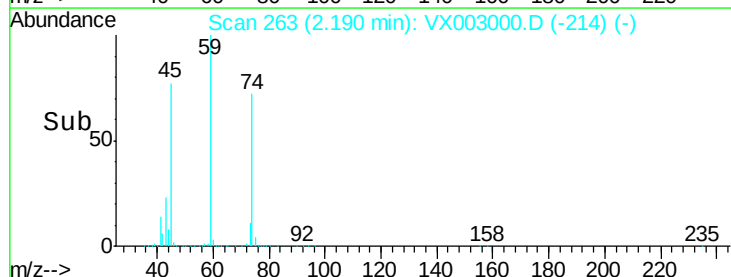
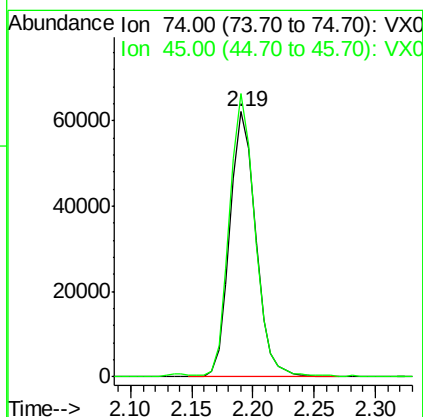
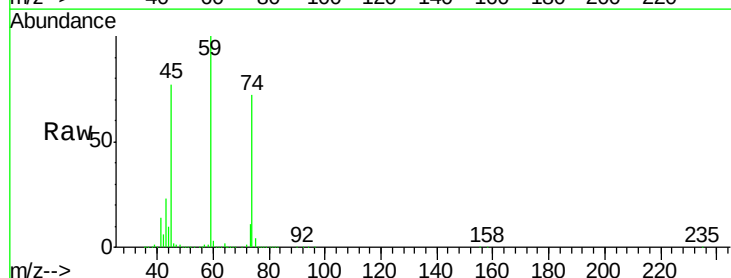
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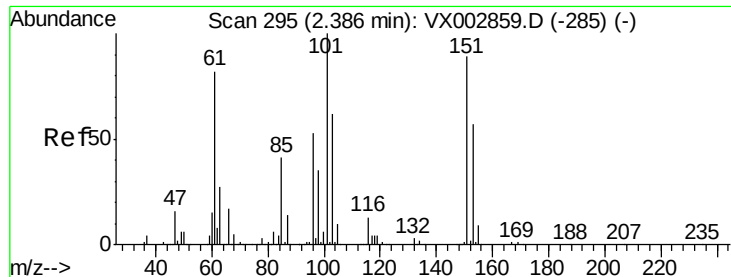


#8

Diethyl Ether
 Concen: 48.39 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	91051		
45	104.5	53.1	159.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.79 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003000.D

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MSVOA_X

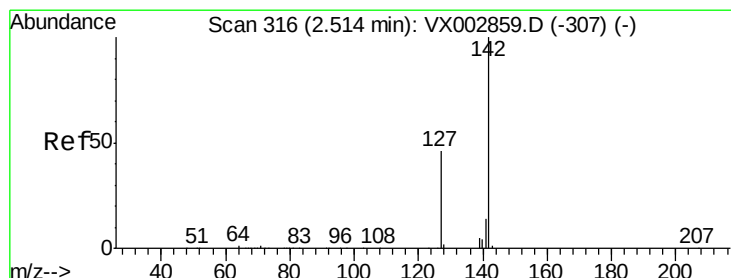
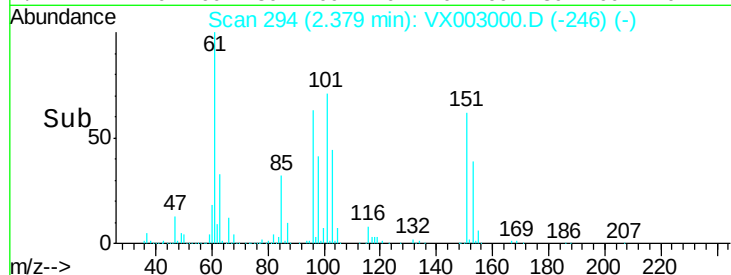
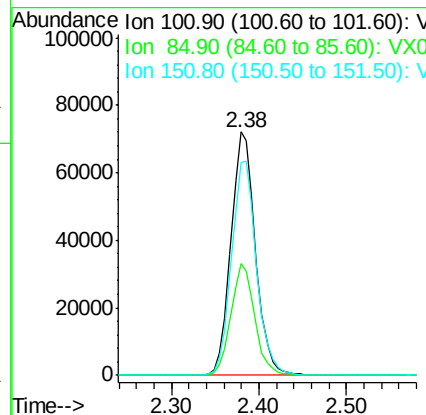
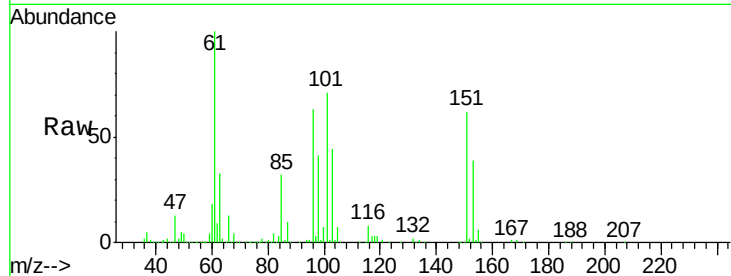
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	140311
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	89.8	70.9	106.3

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#10

Methyl Iodide

Concen: 40.65 ug/l

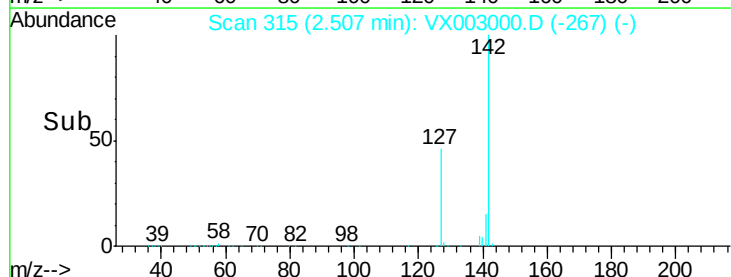
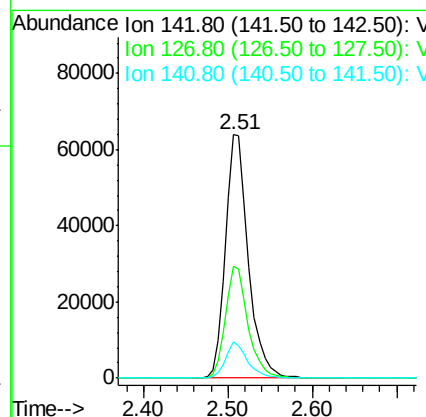
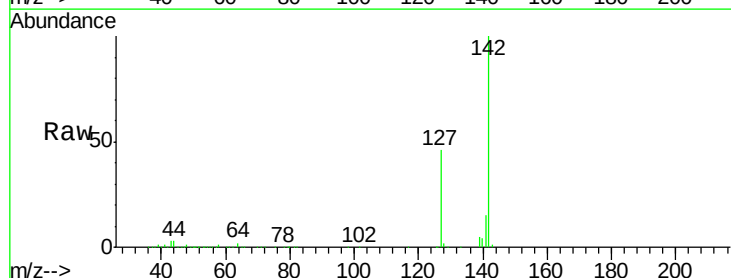
RT: 2.51 min Scan# 315

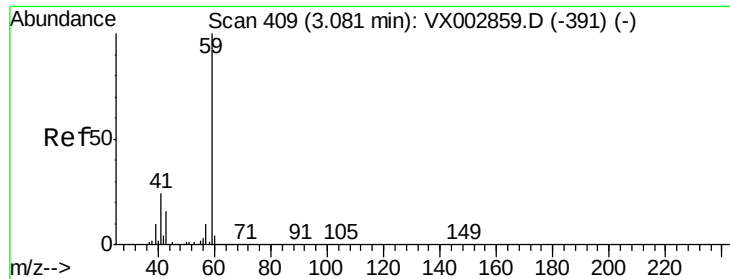
Delta R.T. -0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	142	Resp:	119569
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.6	55.0
141	14.2	11.3	16.9





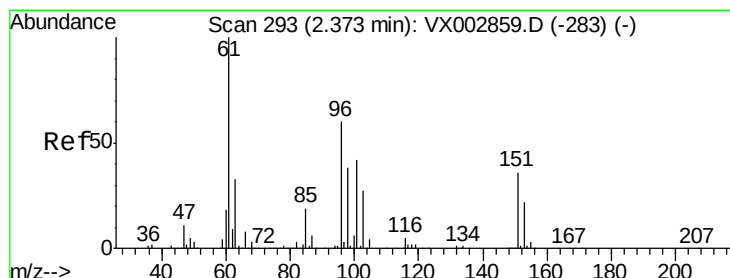
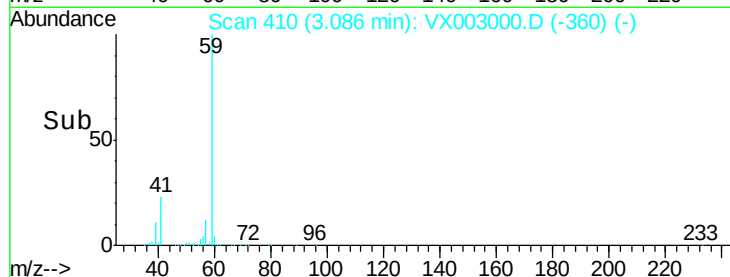
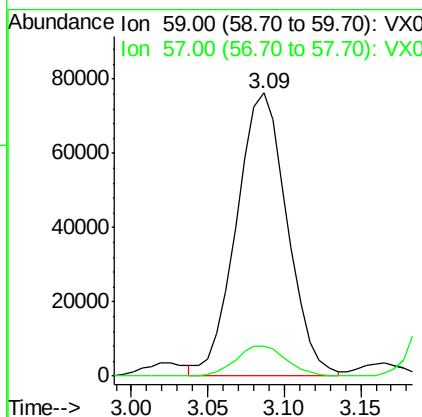
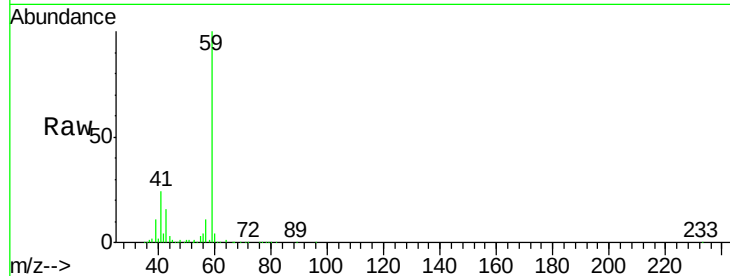
#11
Tert butyl alcohol
Concen: 235.65 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	176032
Ion Ratio	59	100	
Lower	57	11.1	8.2
Upper			12.2

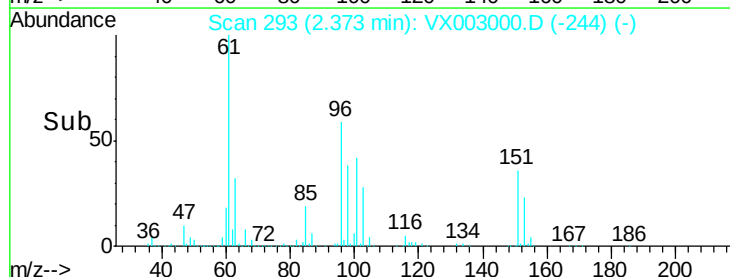
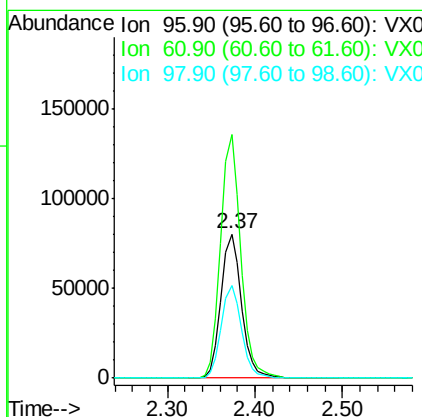
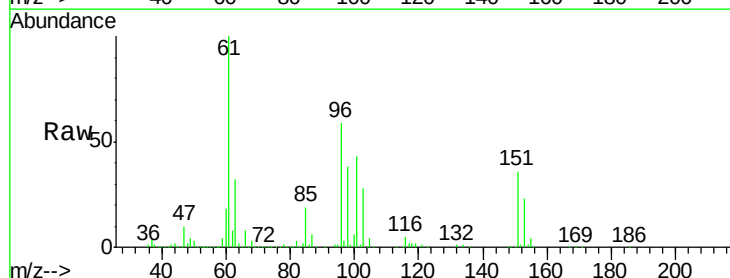
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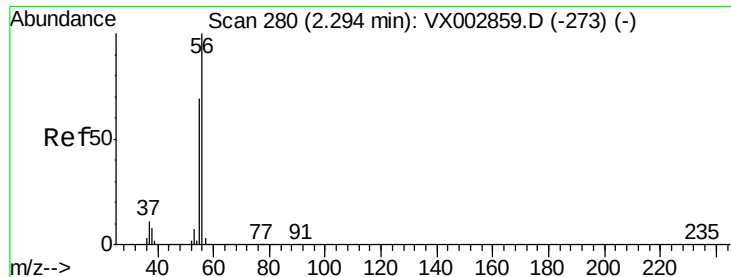
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.70 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	96	Resp	130292
Ion Ratio	96	100	
Lower	61	168.9	137.9
Upper	98	64.2	51.6
			77.4





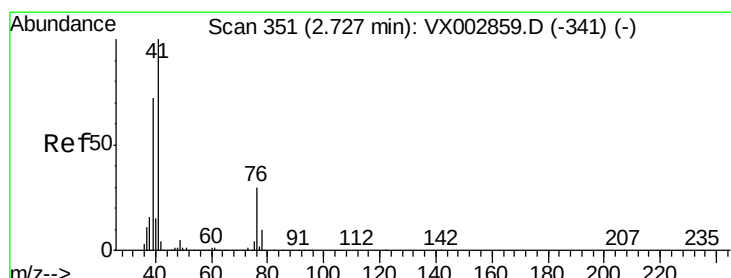
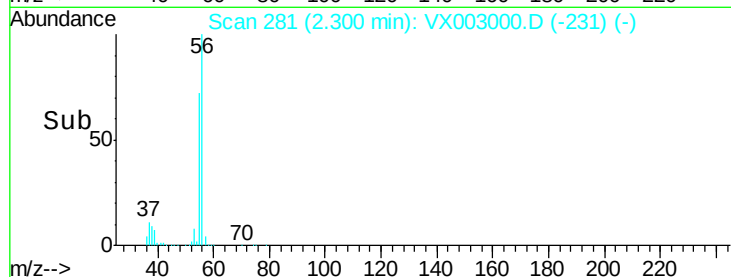
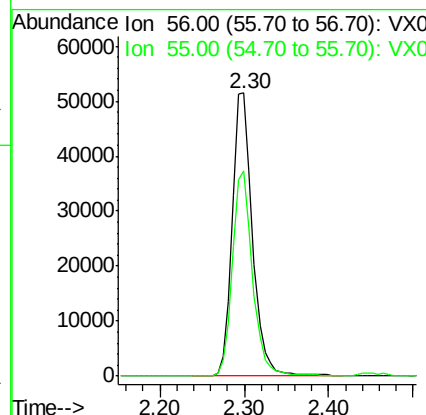
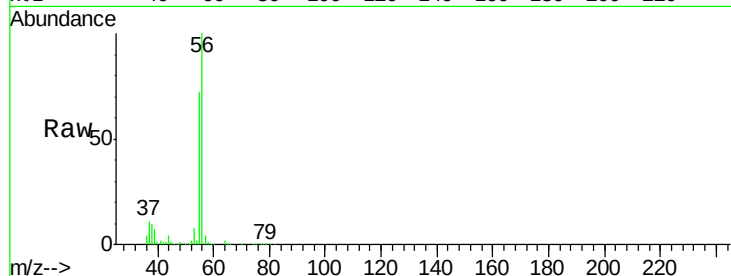
#13
Acrolein
Concen: 205.06 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.0	85.4

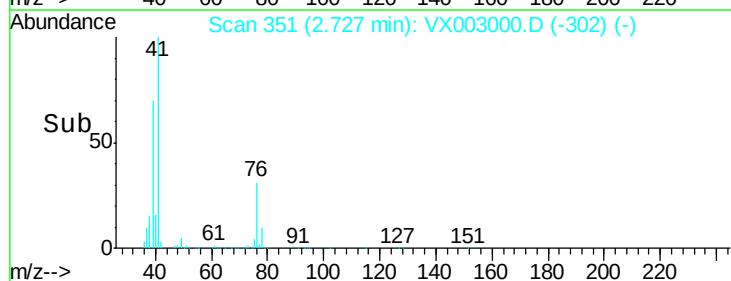
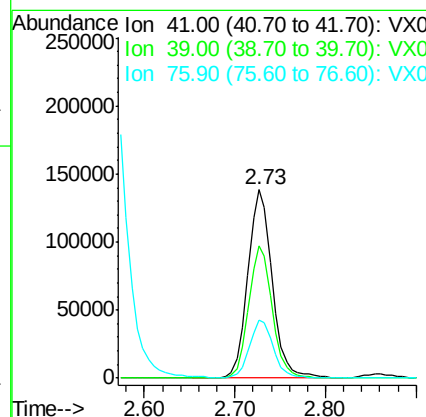
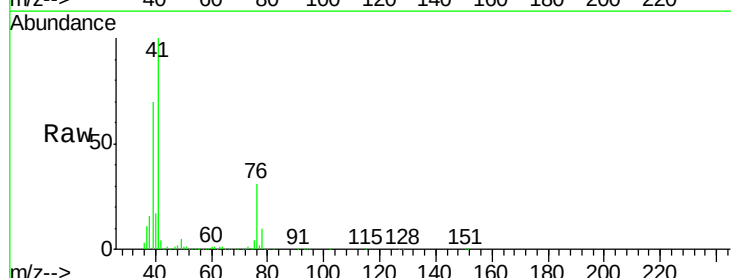
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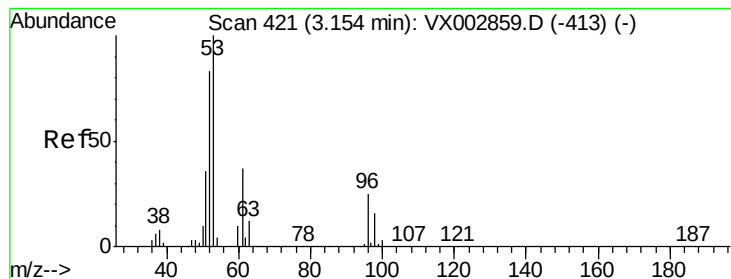
MMDadoda
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#14
Allyl chloride
Concen: 48.64 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.8	56.8	85.2
76	30.2	23.8	35.8





#15

Acrylonitrile

Concen: 249.01 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

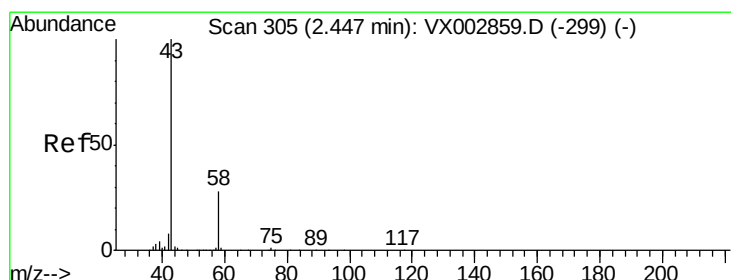
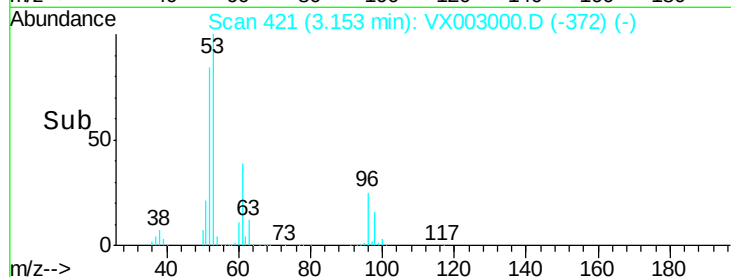
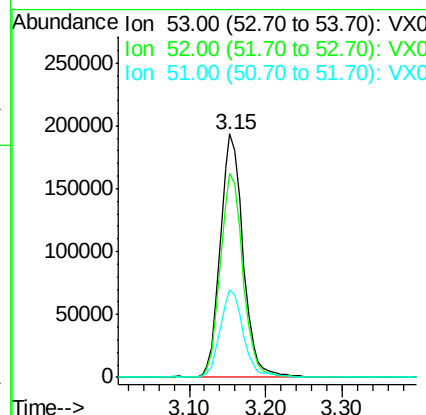
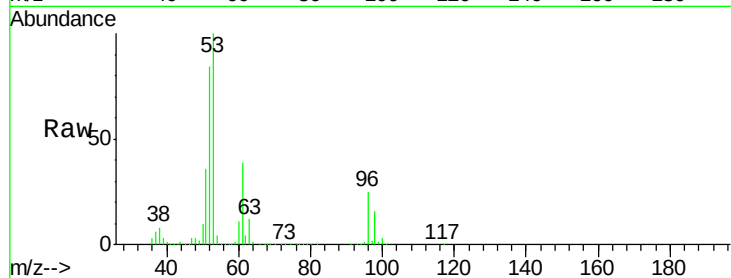
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	397304
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.7	100.1
51	36.8	29.9	44.9

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#16

Acetone

Concen: 234.47 ug/l

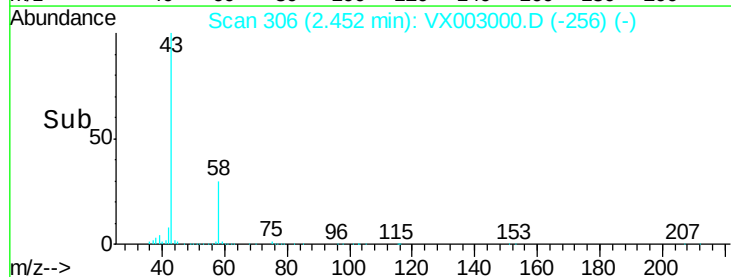
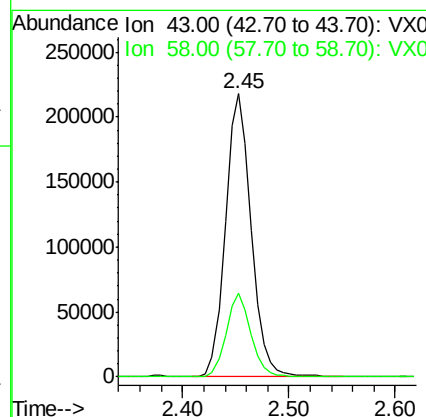
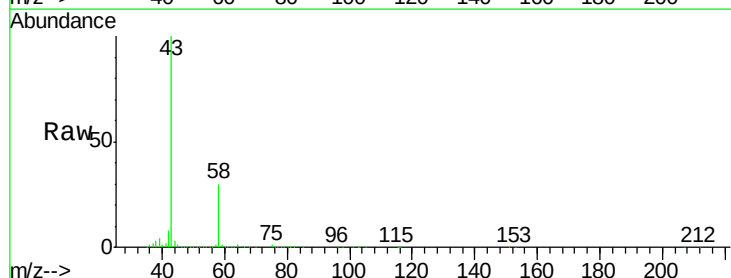
RT: 2.45 min Scan# 306

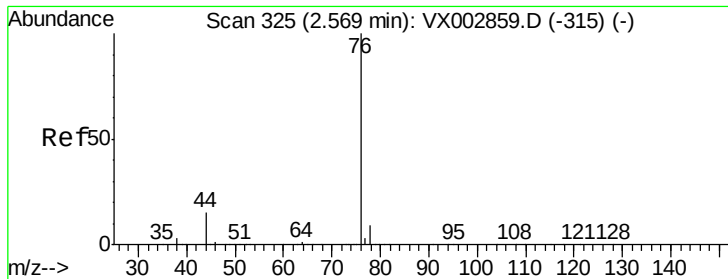
Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	43	Resp:	364113
Ion Ratio	Lower	Upper	
43	100		
58	29.6	22.1	33.1





#17

Carbon Disulfide

Concen: 52.26 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 372569

Ion Ratio Lower Upper

76 100

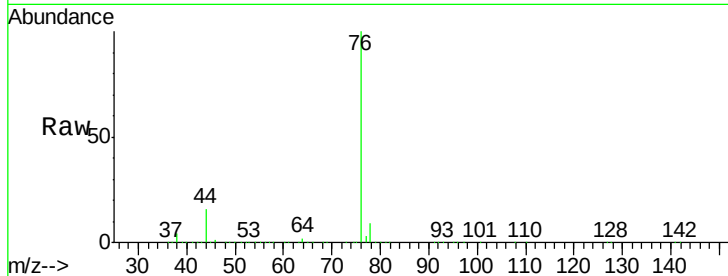
78 9.3 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

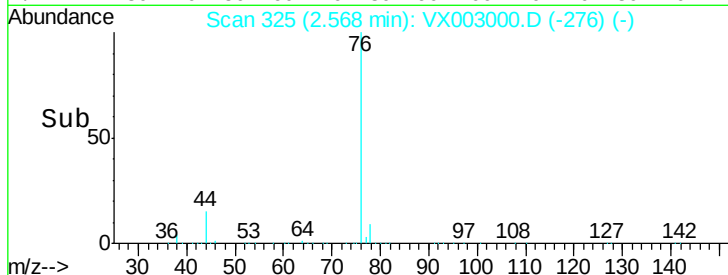
150000

100000

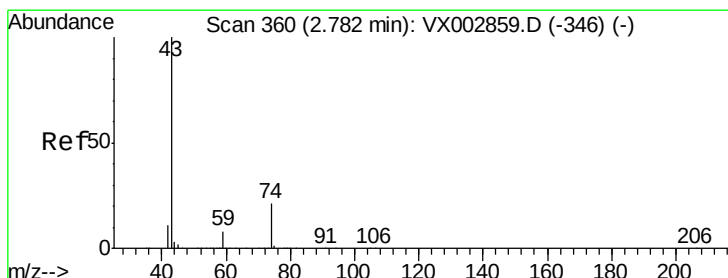
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 43.46 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003000.D

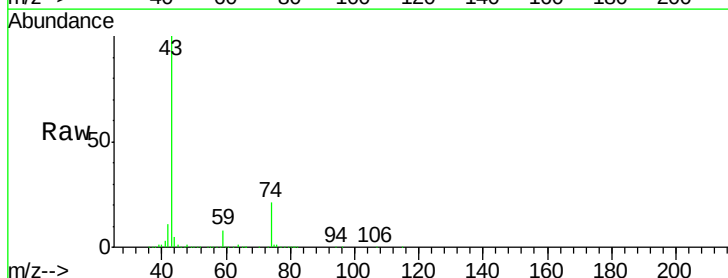
Acq: 28 Jun 2018 21:53

Tgt Ion: 43 Resp: 188705

Ion Ratio Lower Upper

43 100

74 21.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

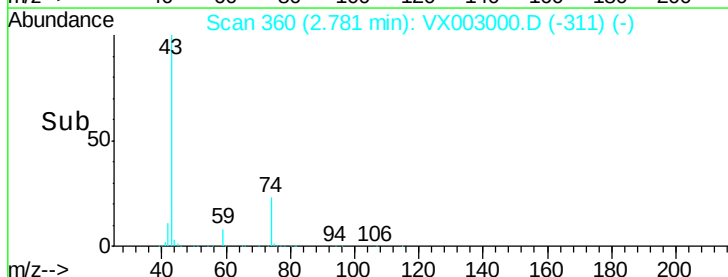
60000

40000

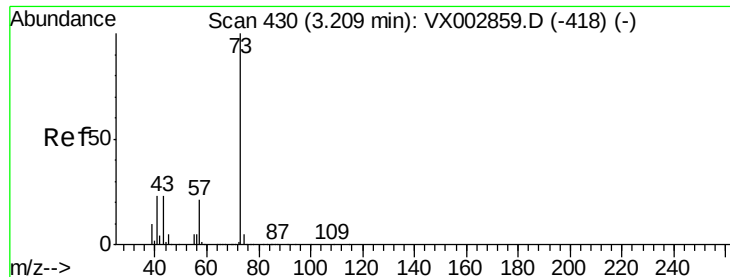
20000

0

Time-->



Time-->



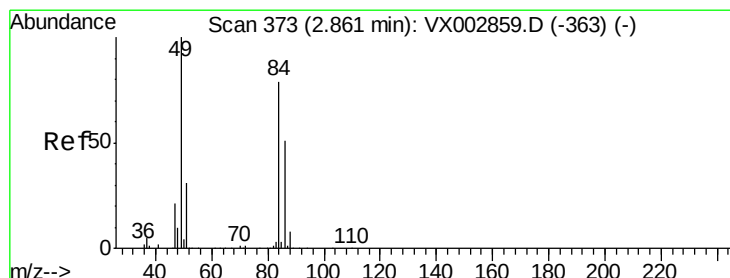
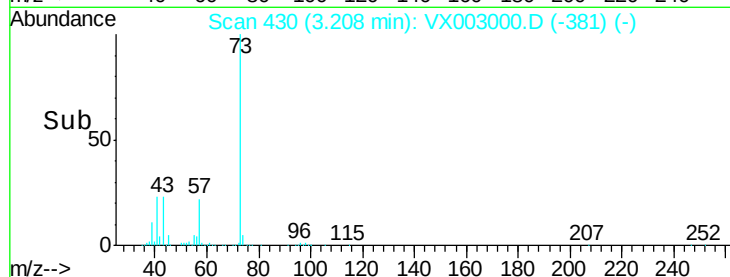
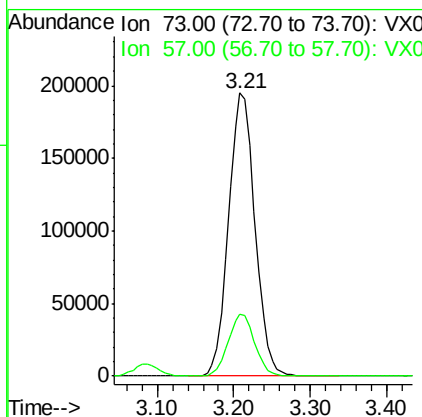
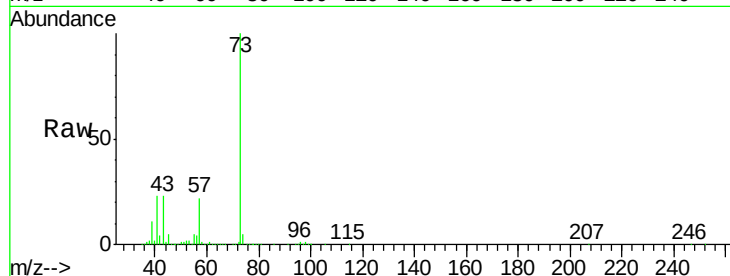
#19
Methyl tert-butyl Ether
Concen: 48.28 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 464368
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

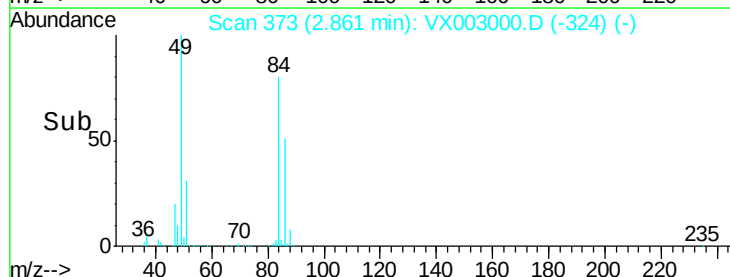
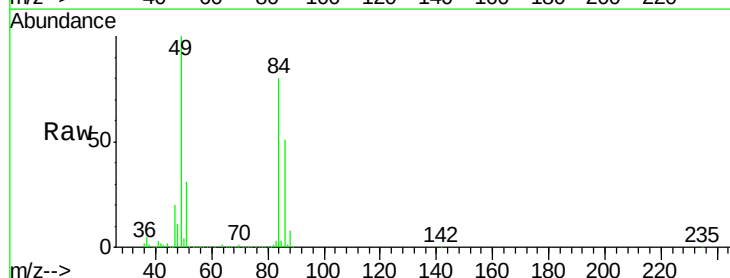
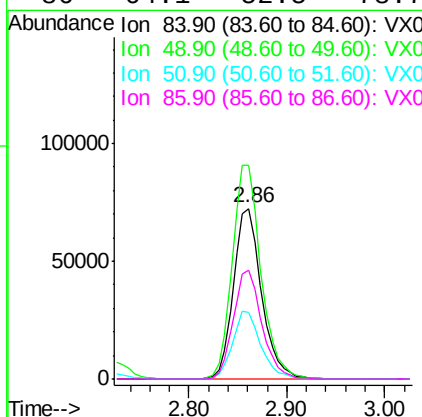
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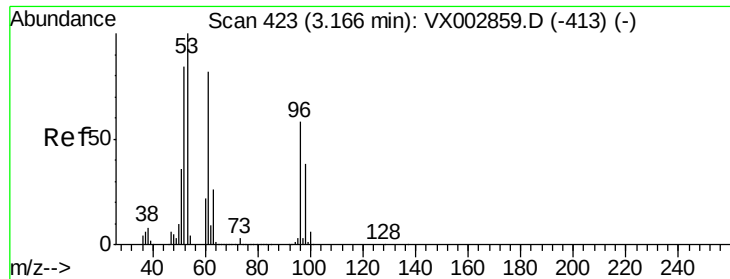
MMDadoda
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#20
Methylene Chloride
Concen: 47.62 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 84 Resp: 143917
Ion Ratio Lower Upper
84 100
49 125.4 107.8 161.6
51 39.3 32.8 49.2
86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 48.01 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

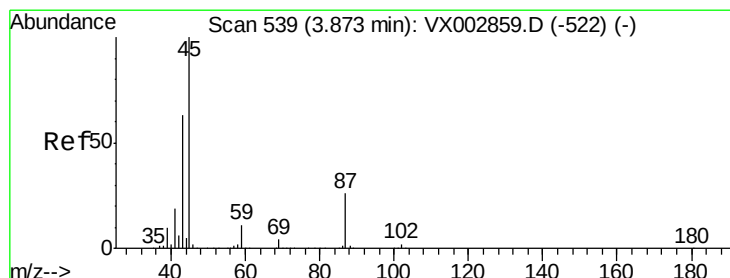
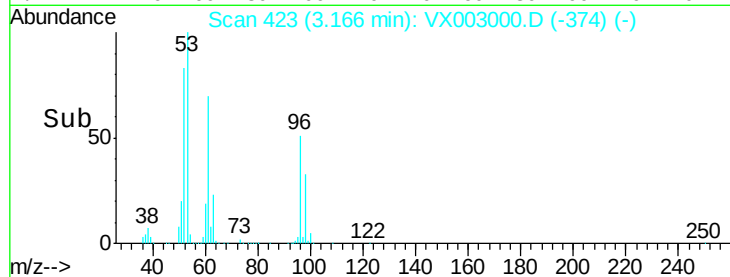
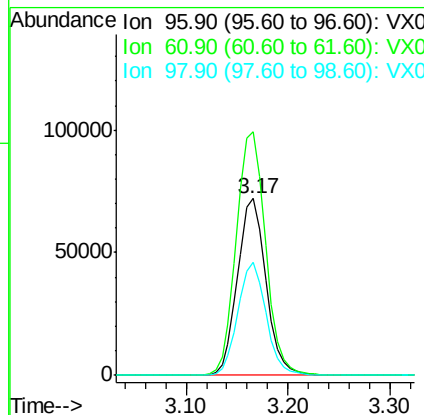
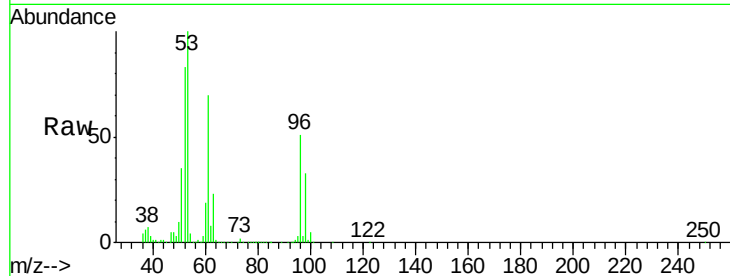
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	139913
Ion	Ratio	Lower	Upper
96	100		
61	137.4	117.0	175.4
98	63.8	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.89 ug/l

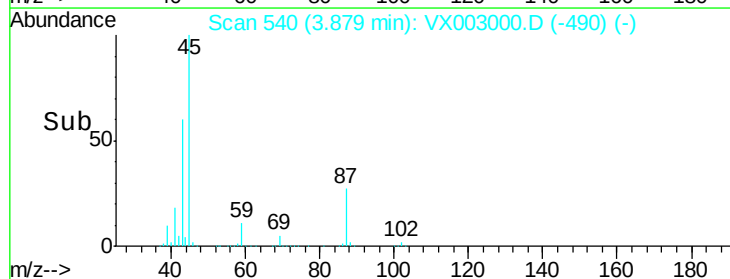
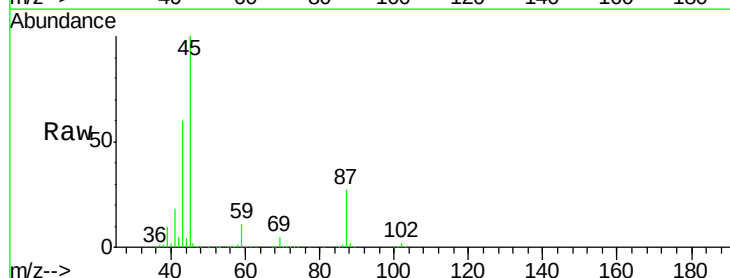
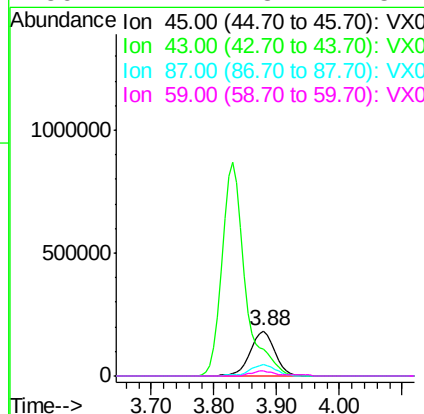
RT: 3.88 min Scan# 540

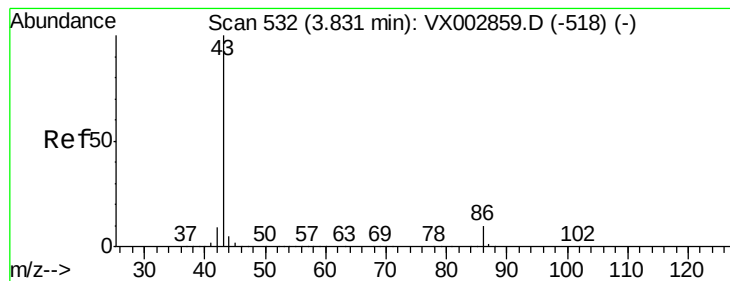
Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	45	Resp:	502951
Ion	Ratio	Lower	Upper
45	100		
43	59.8	46.8	70.2
87	26.8	20.2	30.4
59	11.1	8.7	13.1





#23

Vinyl Acetate

Concen: 260.67 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2225250

Ion Ratio Lower Upper

43 100

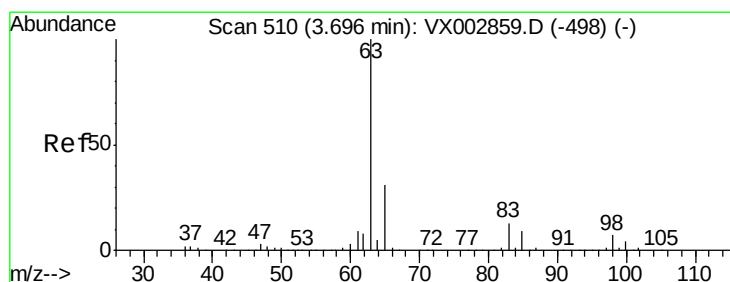
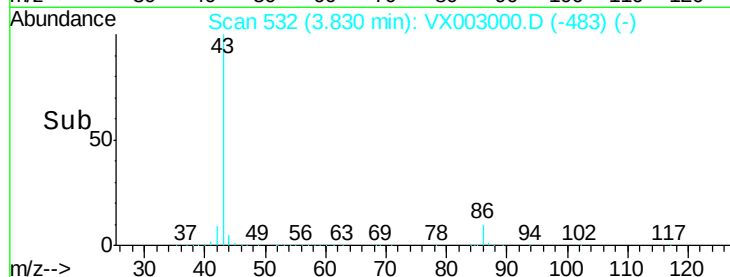
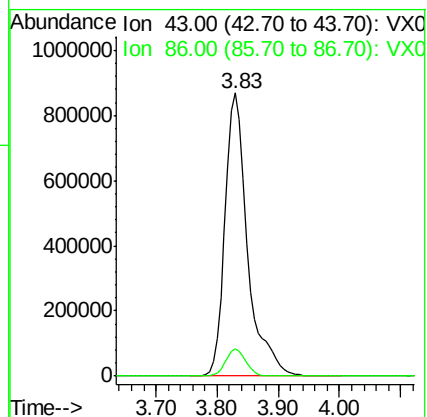
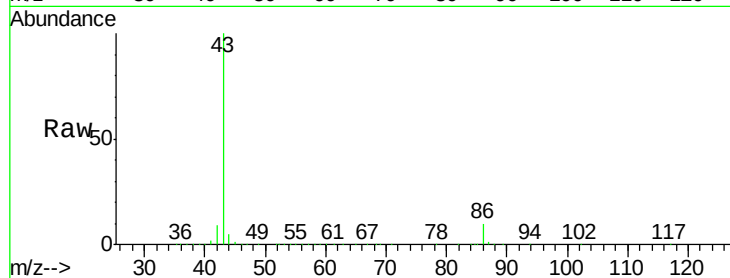
86 9.6 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 49.68 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

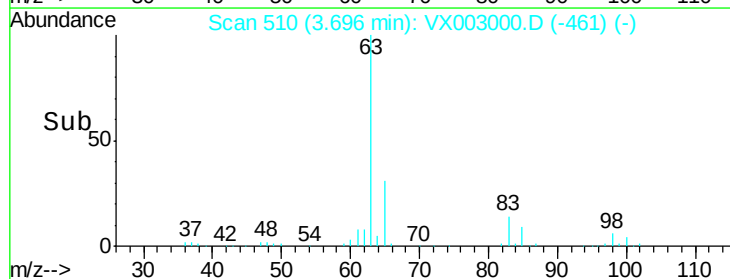
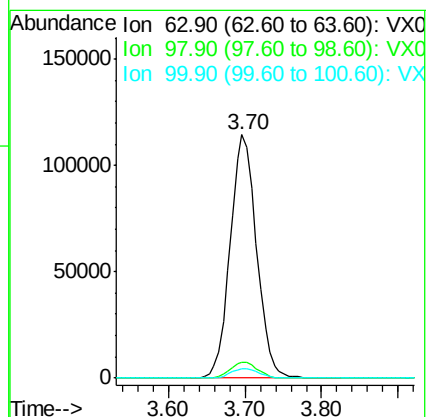
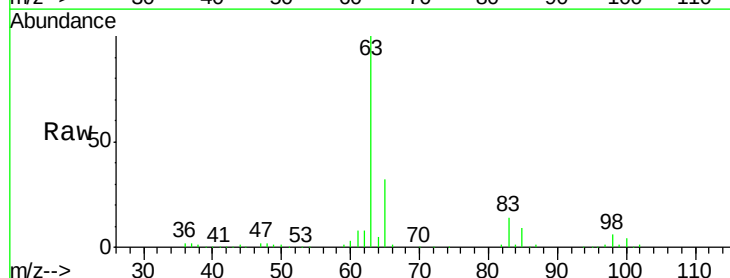
Tgt Ion: 63 Resp: 272241

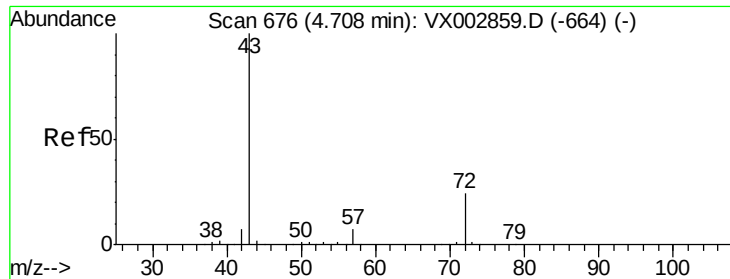
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 257.41 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 593254

Ion Ratio Lower Upper

43 100

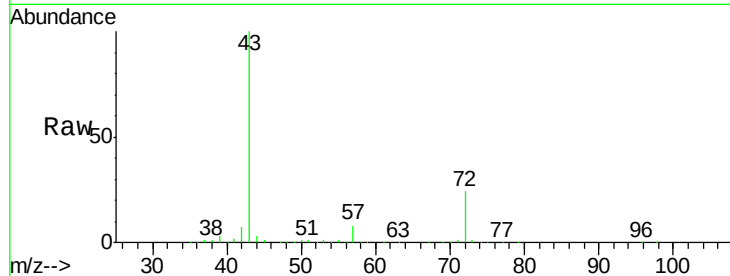
72 23.4 18.5 27.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

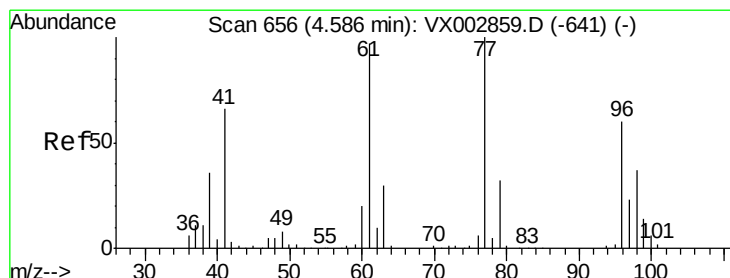
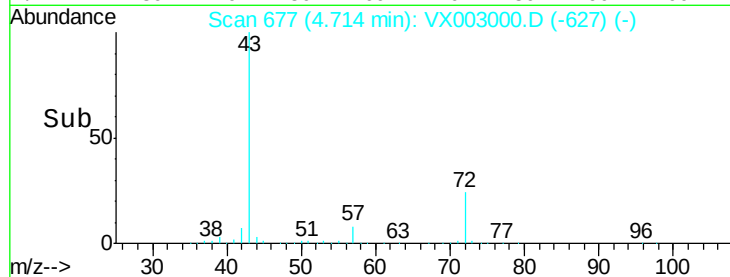
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 38.87 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX003000.D

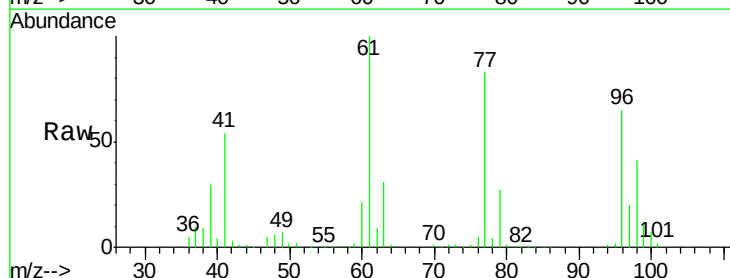
Acq: 28 Jun 2018 21:53

Tgt Ion: 77 Resp: 173211

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

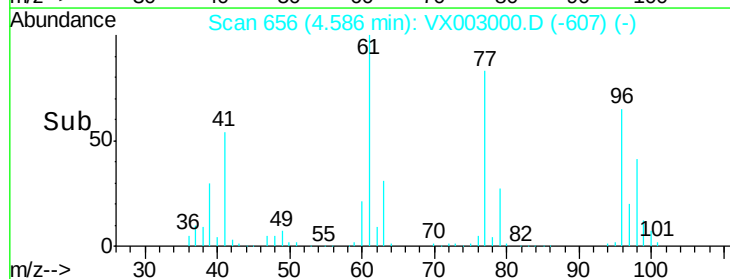
20000

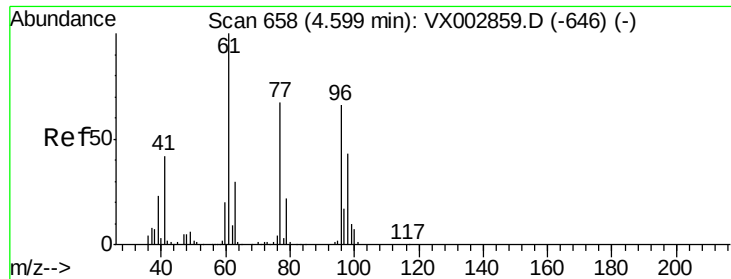
10000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.25 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

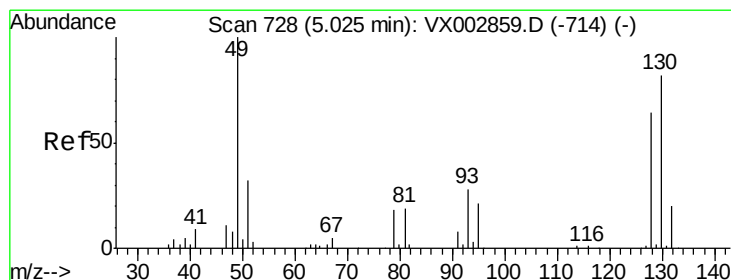
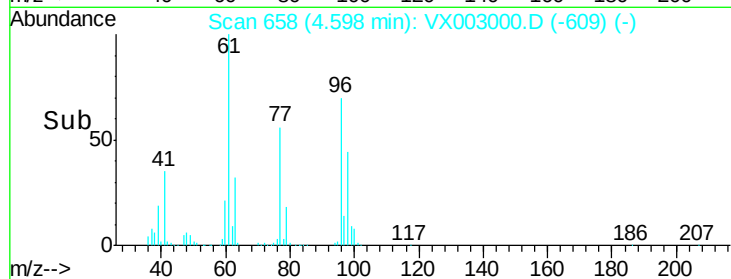
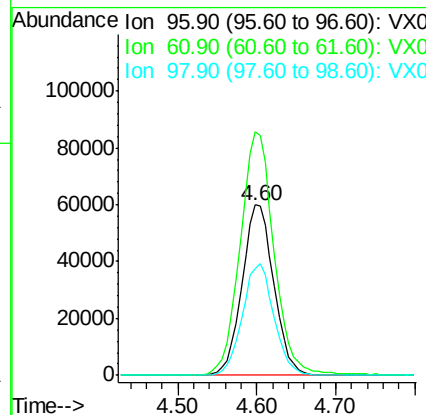
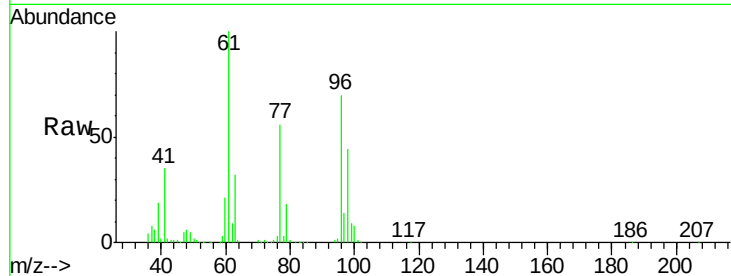
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	167461
Ion Ratio	Lower	Upper	
96	100		
61	152.8	0.0	330.2
98	65.1	0.0	130.2

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#28

Bromochloromethane

Concen: 50.32 ug/l

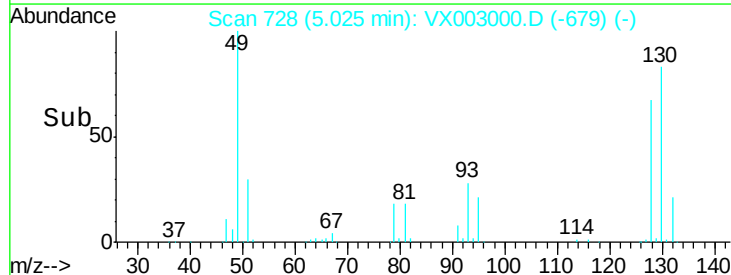
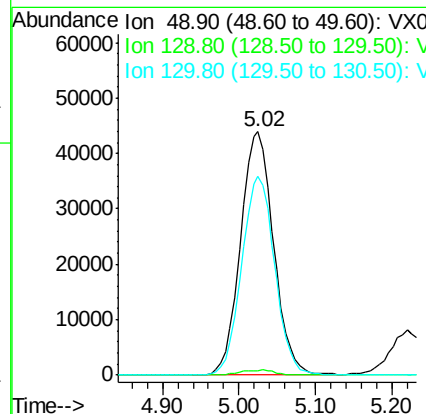
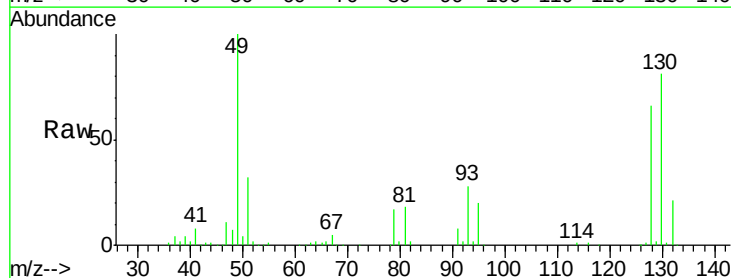
RT: 5.02 min Scan# 728

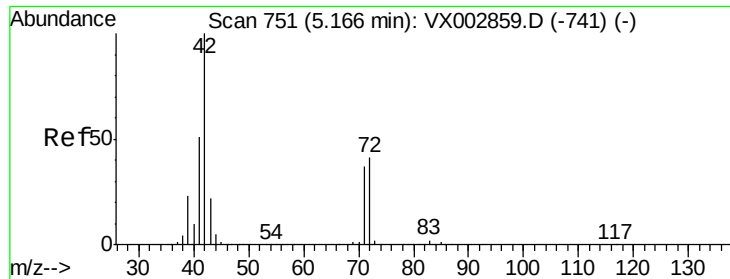
Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	49	Resp:	131982
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	81.8	61.2	91.8





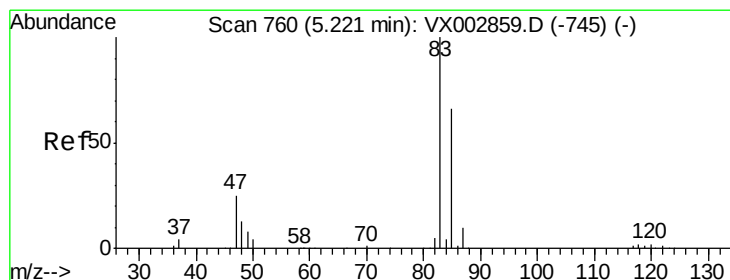
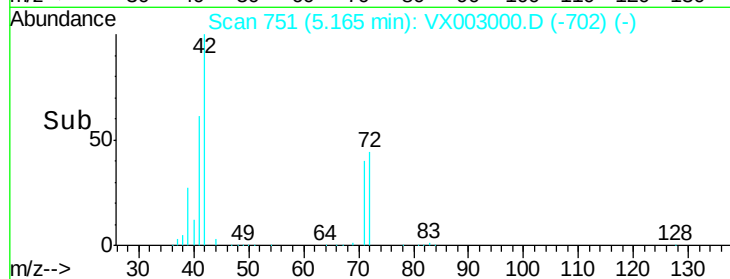
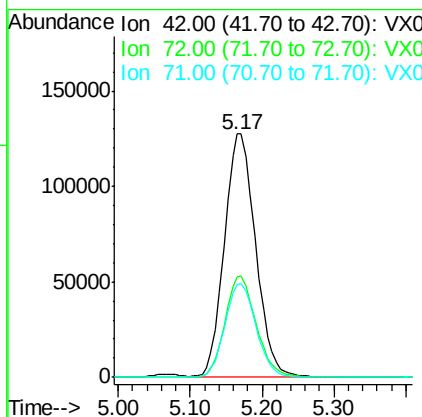
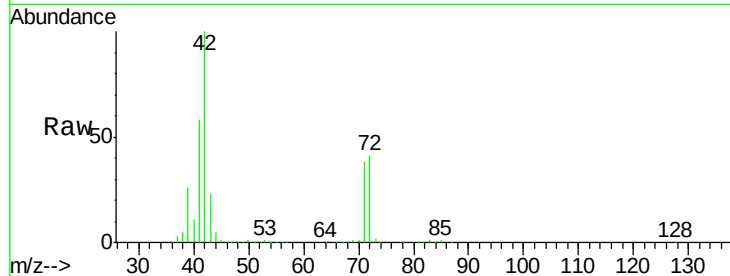
#29
Tetrahydrofuran
Concen: 259.13 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.0	48.0
71	38.7	30.1	45.1

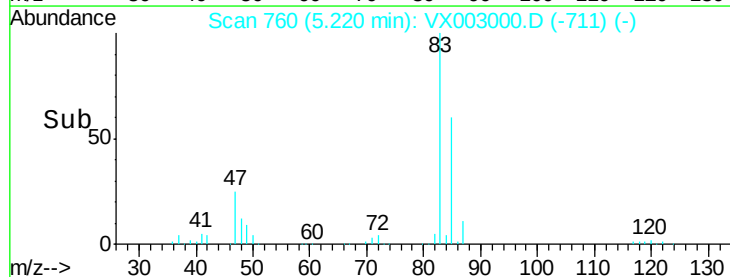
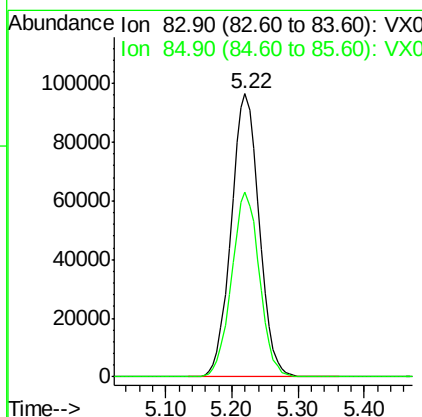
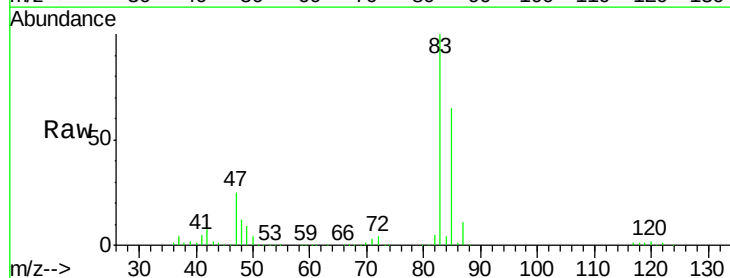
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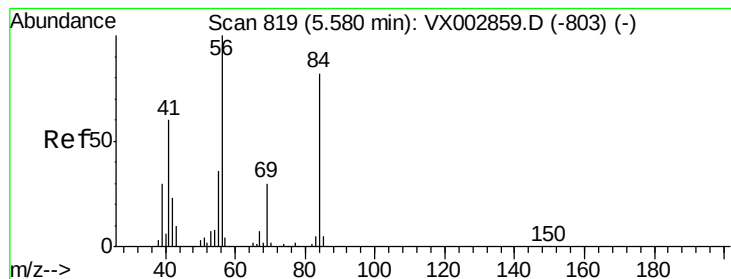
MMDadoda
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#30
Chloroform
Concen: 50.31 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.4	75.6





#31

Cyclohexane

Concen: 49.43 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

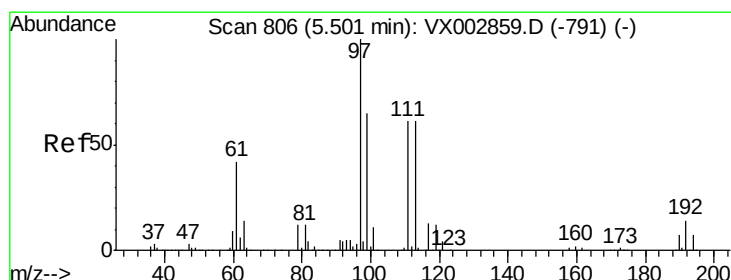
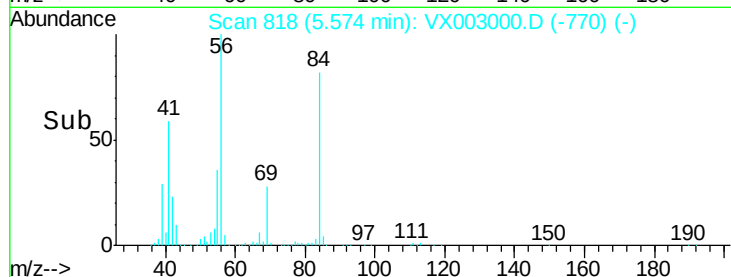
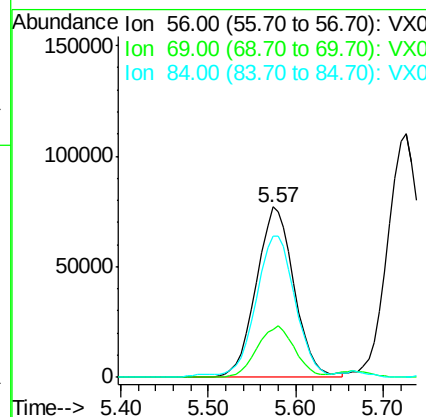
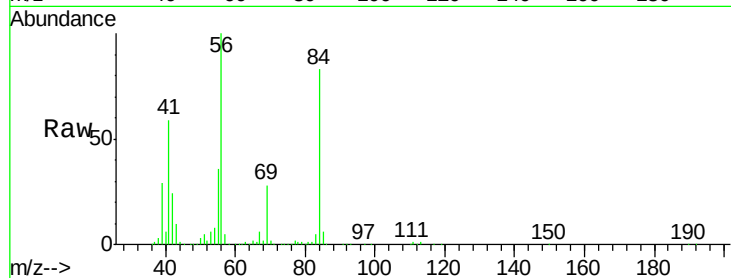
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	232428
Ion	Ratio	Lower	Upper
56	100		
69	28.0	23.7	35.5
84	81.3	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.23 ug/l

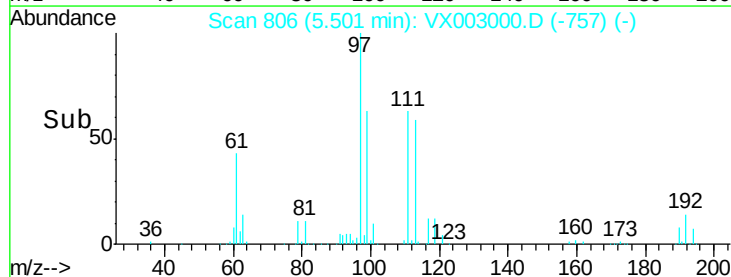
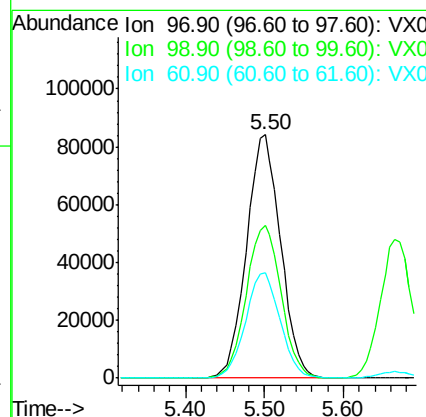
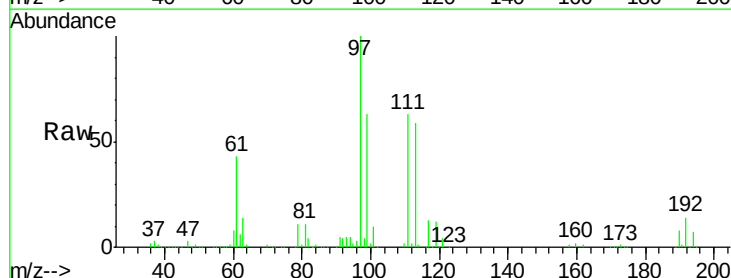
RT: 5.50 min Scan# 806

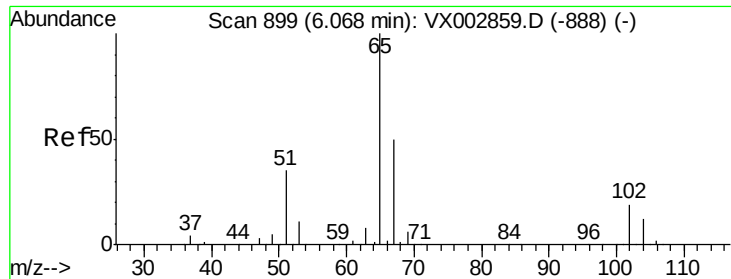
Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	97	Resp:	253465
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	44.0	36.4	54.6





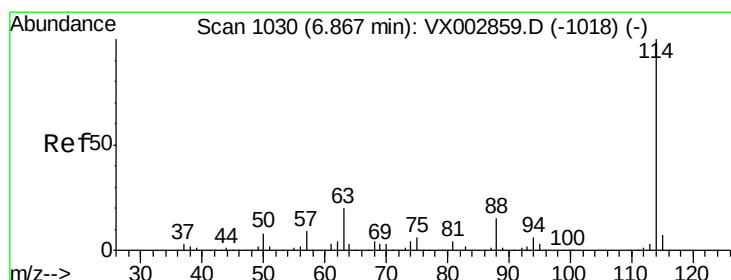
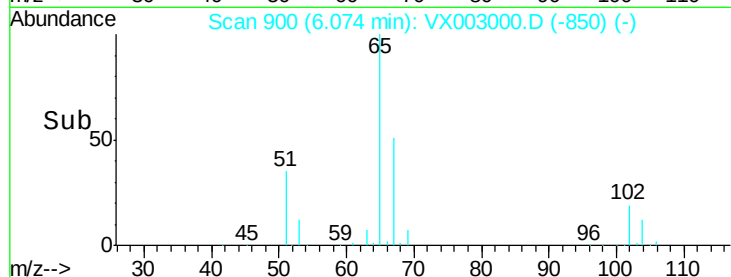
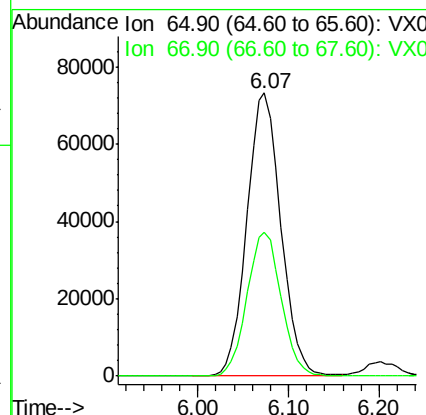
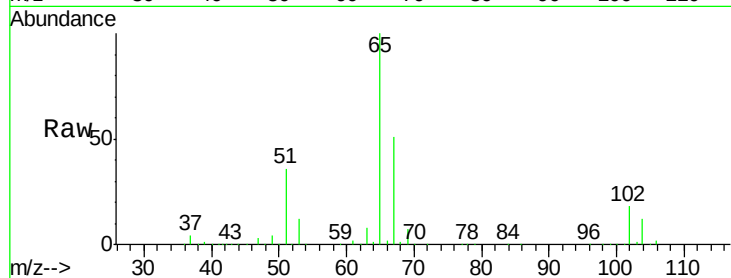
#33
 1,2-Dichloroethane-d4
 Concen: 50.61 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189770		
67	51.3	0.0	102.6	

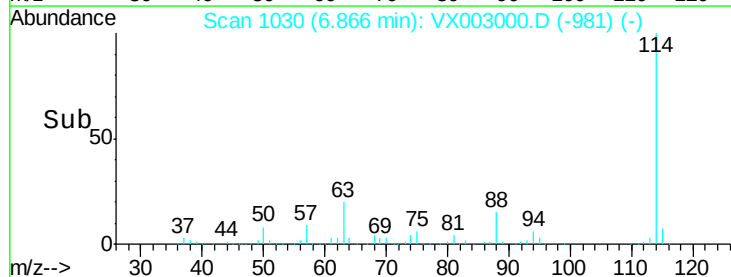
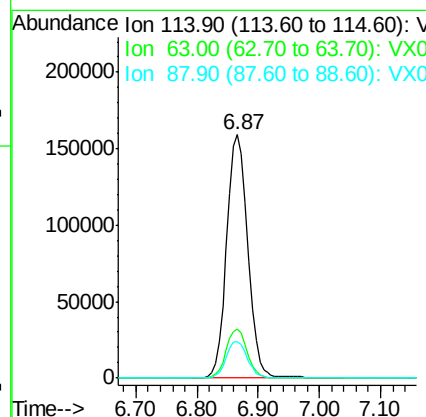
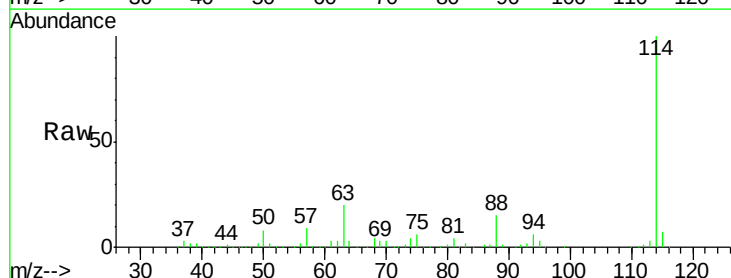
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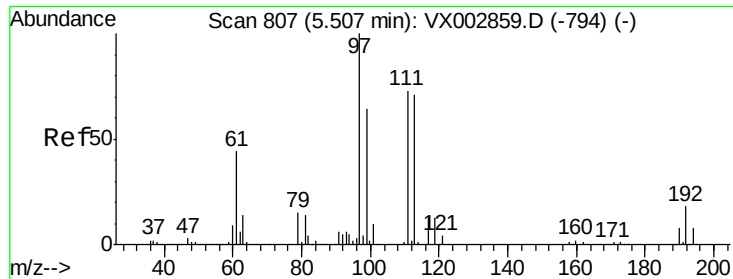
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	380931		
63	20.3	0.0	41.4	
88	14.9	0.0	30.0	





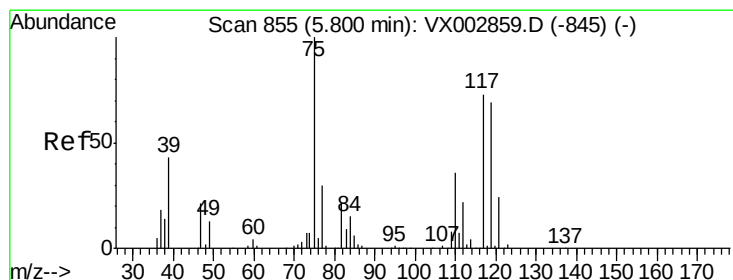
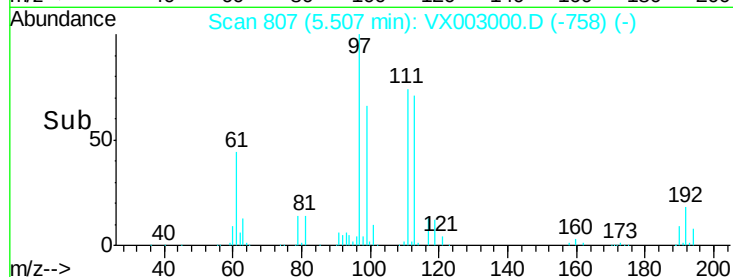
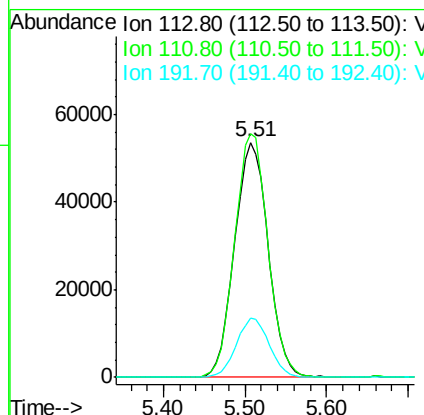
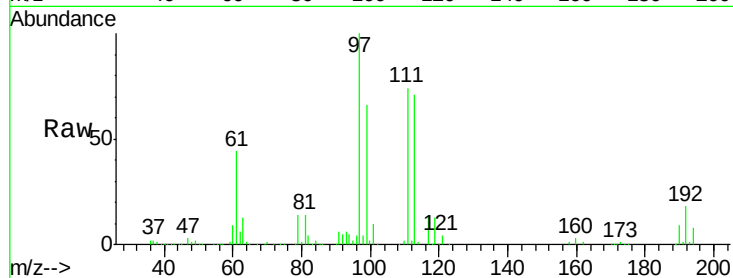
#35
Dibromofluoromethane
Concen: 50.78 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153174		
111	102.8	81.4	122.0	
192	24.8	19.1	28.7	

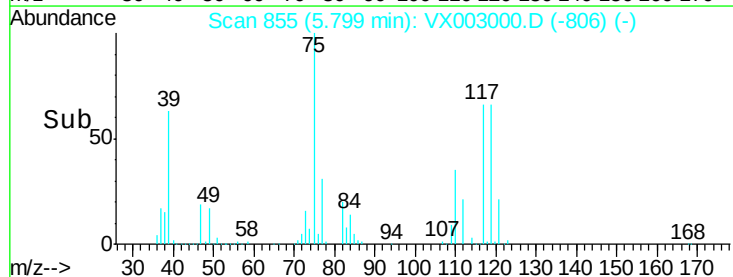
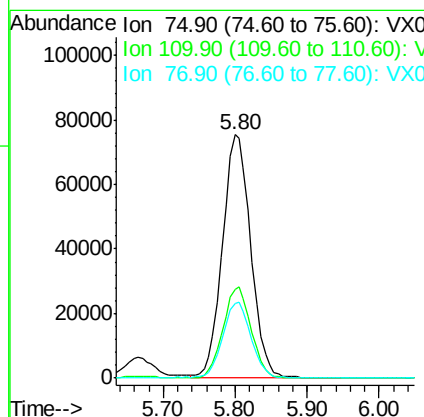
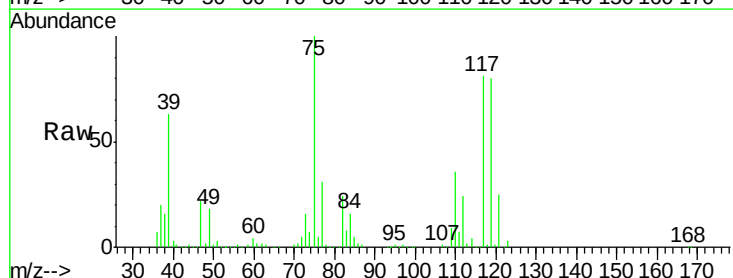
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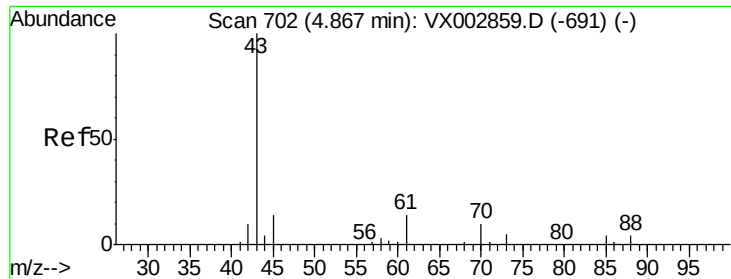
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#36
1,1-Dichloropropene
Concen: 49.14 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205269		
110	37.2	18.1	54.4	
77	31.0	24.3	36.5	





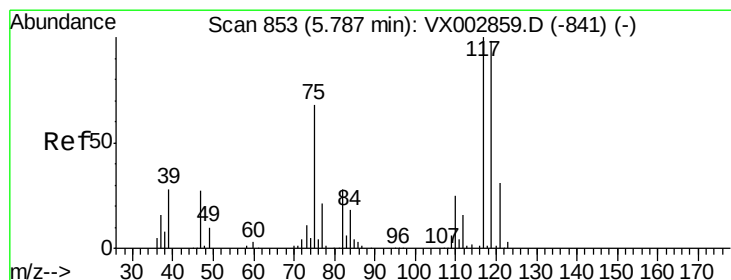
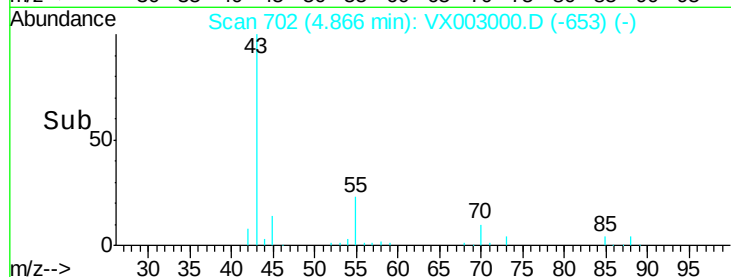
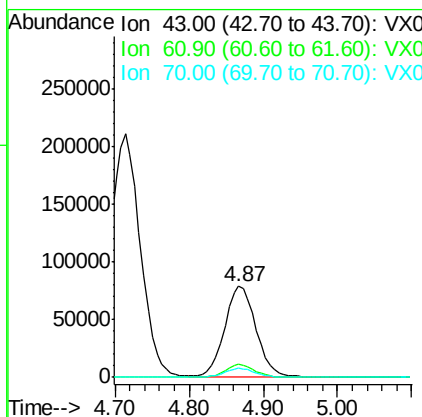
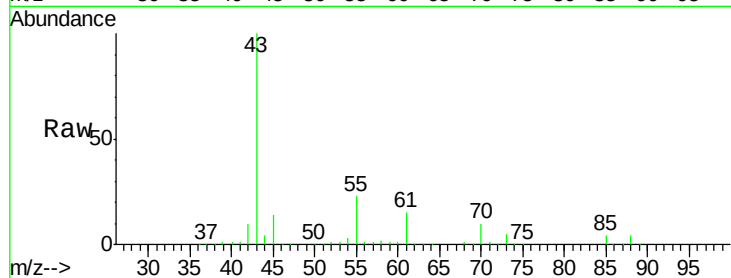
#37
Ethyl Acetate
Concen: 51.69 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	9.7	7.6	11.4

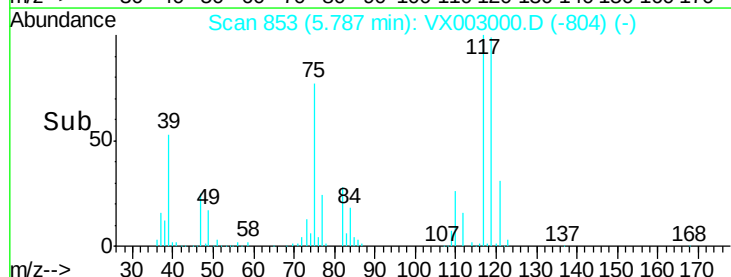
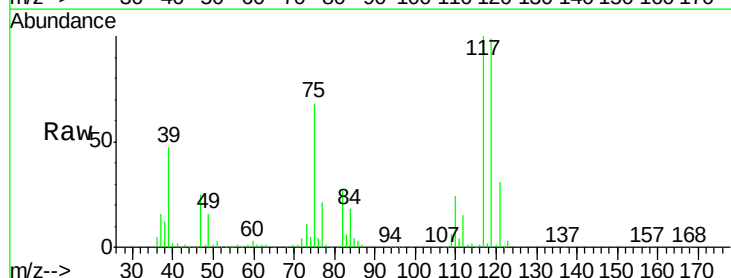
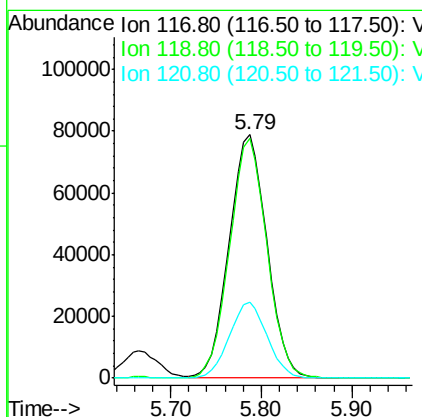
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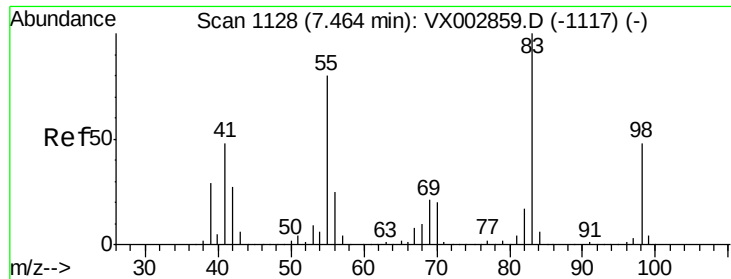
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#38
Carbon Tetrachloride
Concen: 49.84 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.4	116.0
121	31.4	24.4	36.6





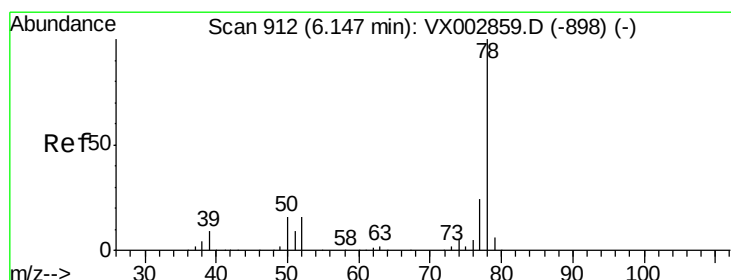
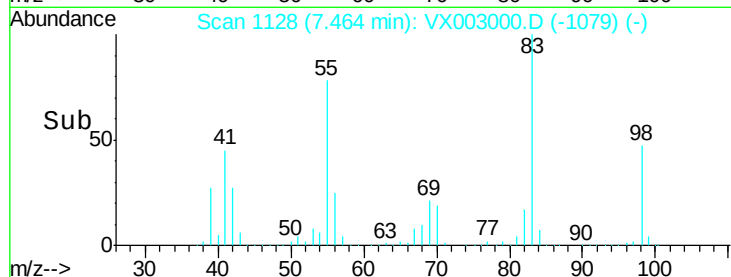
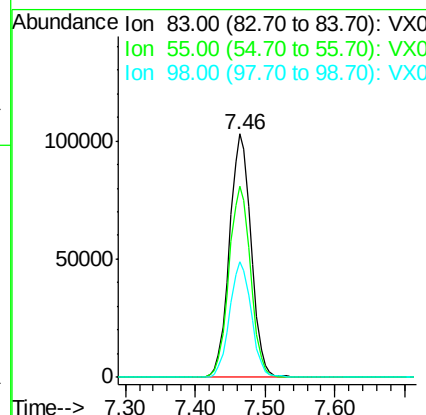
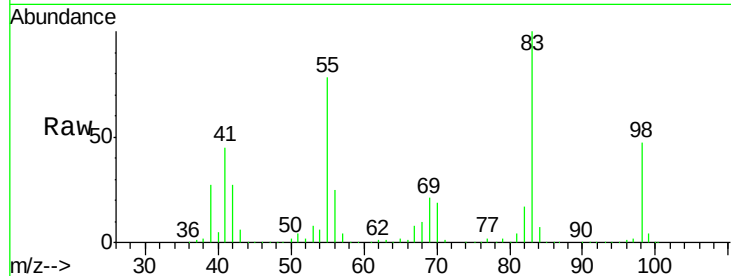
#39
Methylvlcyclohexane
Concen: 45.40 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	65.4	98.0
98	47.2	37.4	56.0

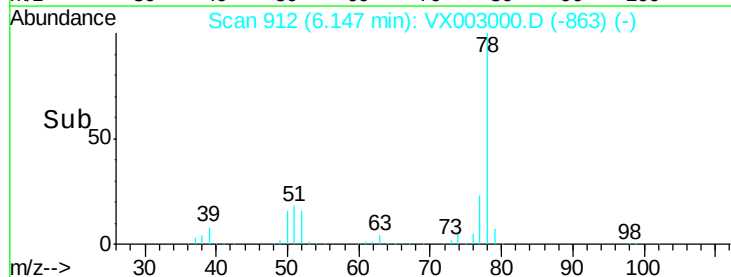
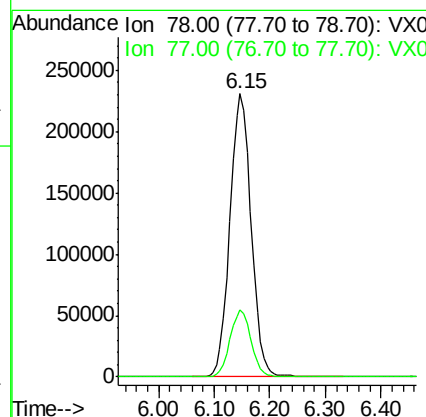
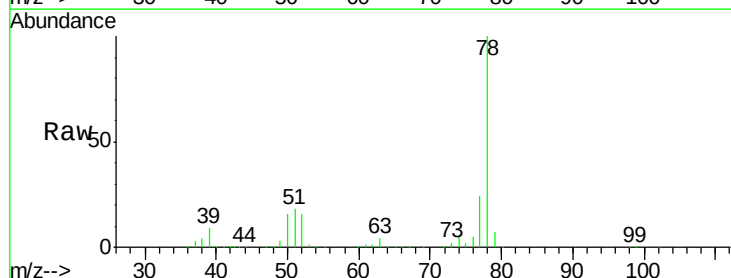
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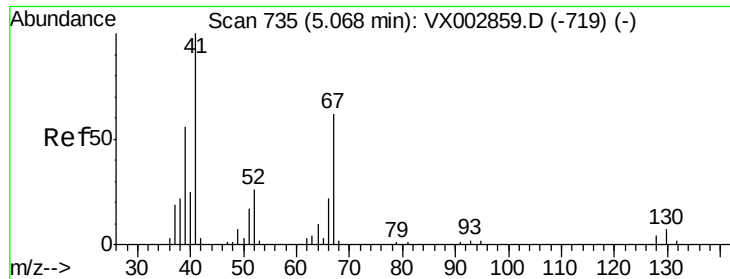
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#40
Benzene
Concen: 50.23 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





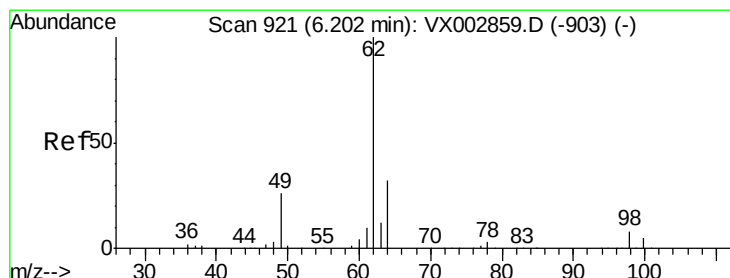
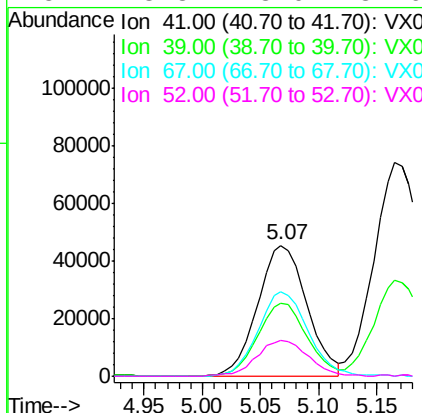
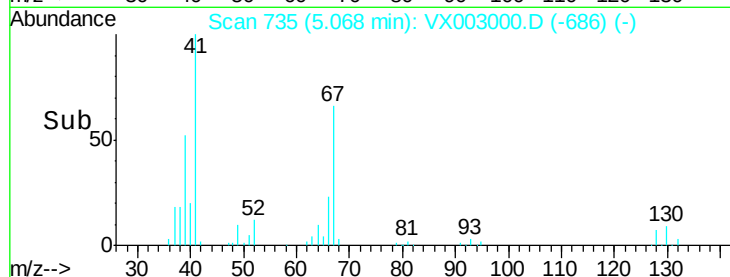
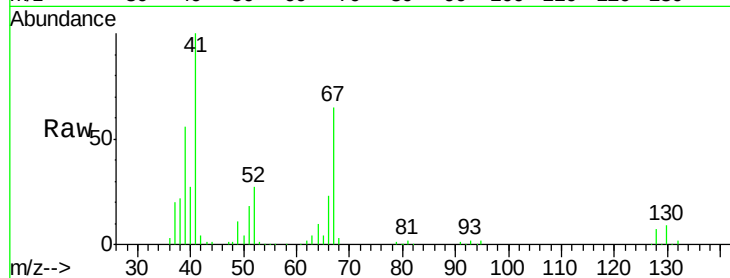
#41
Methacrylonitrile
Concen: 51.02 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		132133		
39	56.6	45.8	68.6		
67	66.3	51.3	76.9		
52	28.8	23.0	34.6		

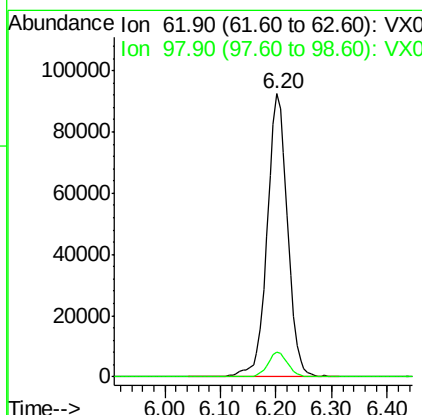
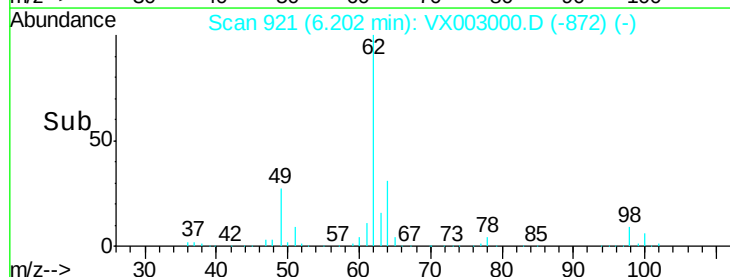
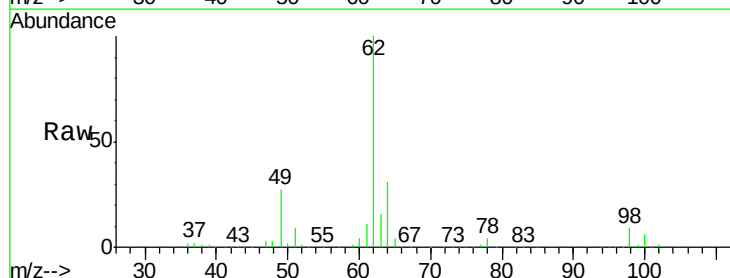
Manual Integrations
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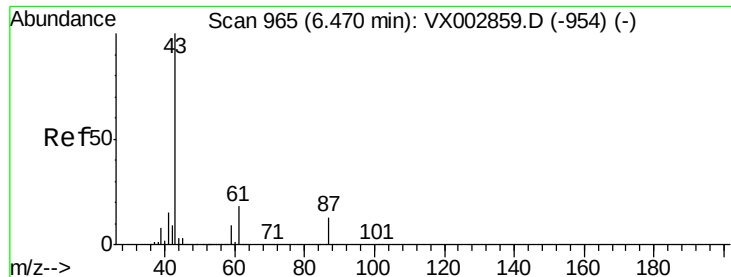
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.08 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		235756		
98	8.6	0.0	16.6		





#43

Isopropyl Acetate

Concen: 49.65 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

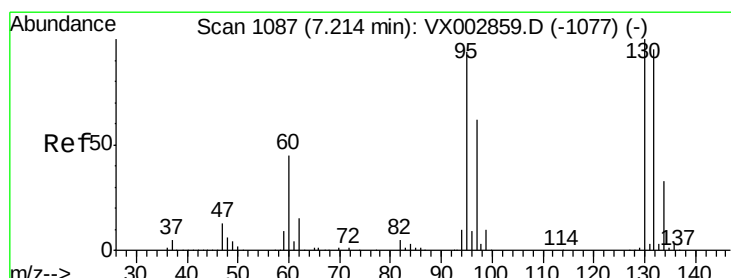
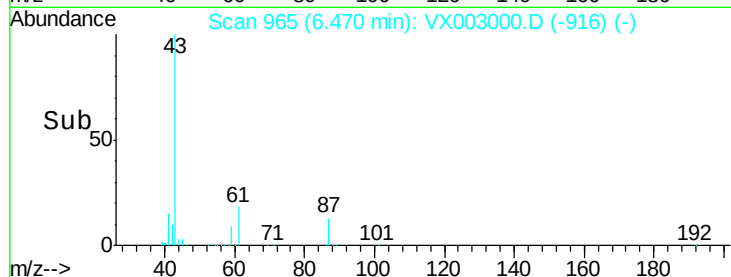
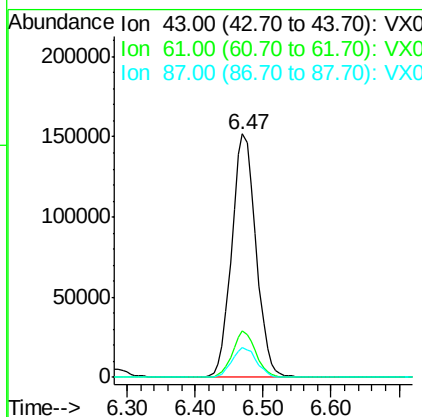
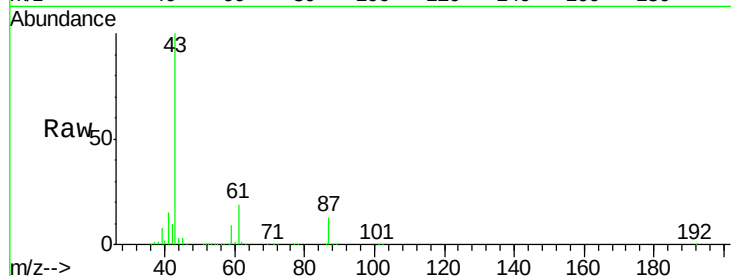
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	374499
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.4	21.6
87	12.5	9.5	14.3

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#44

Trichloroethene

Concen: 49.65 ug/l

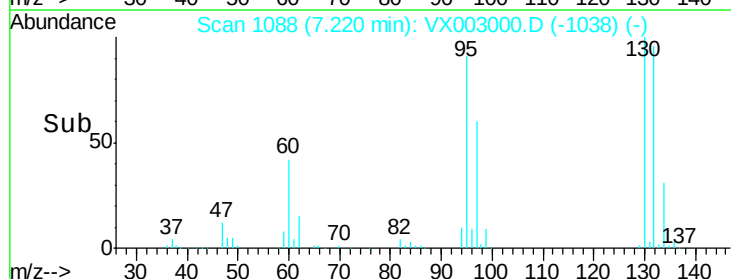
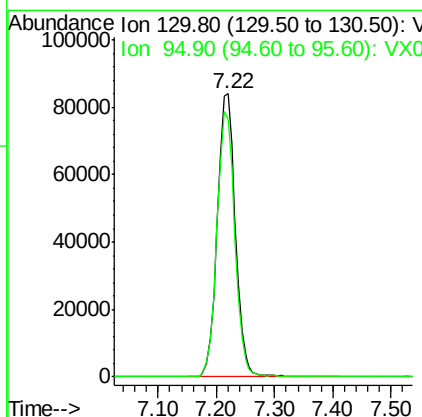
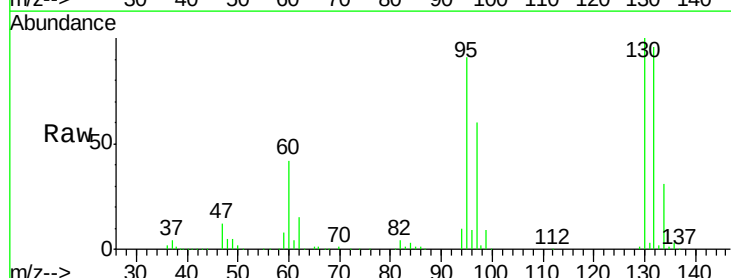
RT: 7.22 min Scan# 1088

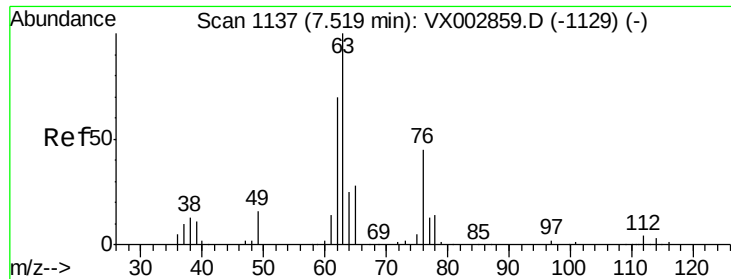
Delta R.T. 0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	130	Resp:	179688
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	185.4





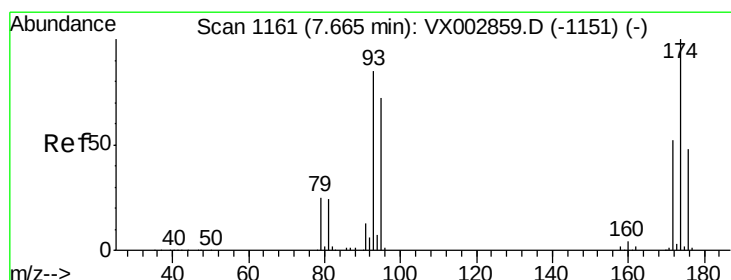
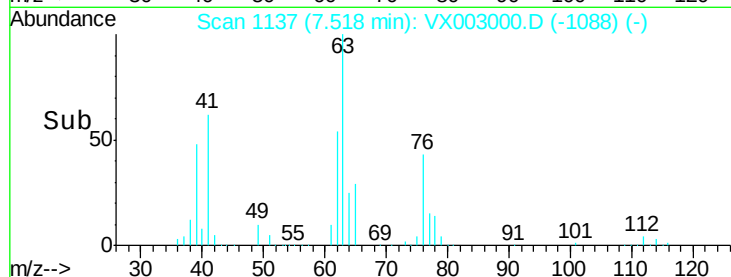
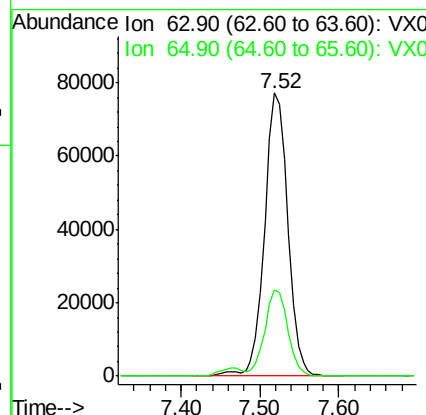
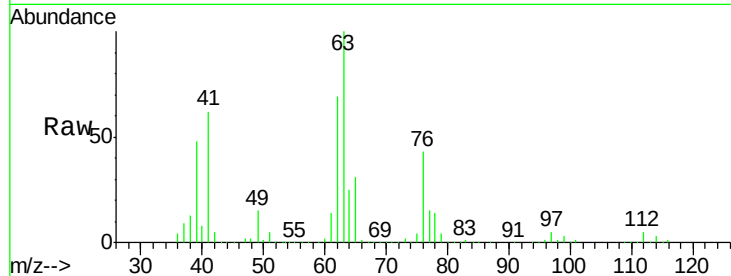
#45
 1,2-Dichloropropane
 Concen: 49.48 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 159295
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

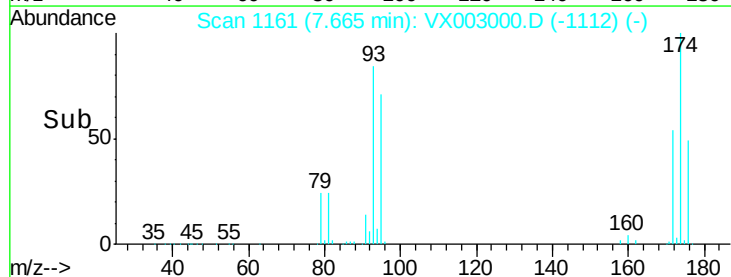
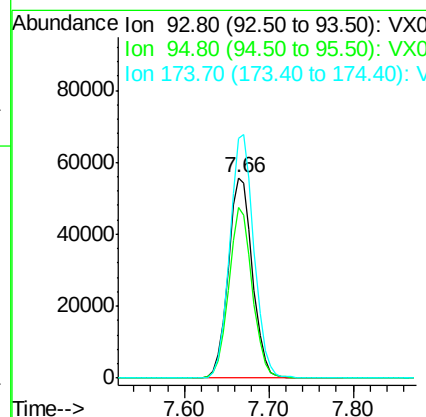
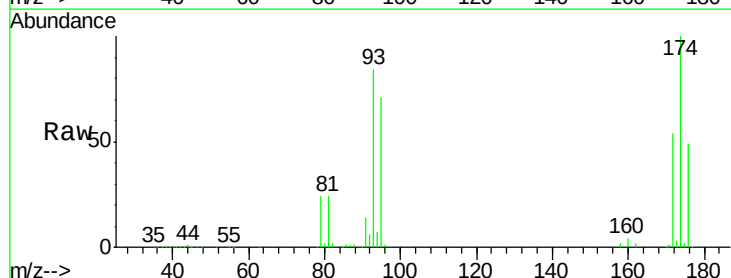
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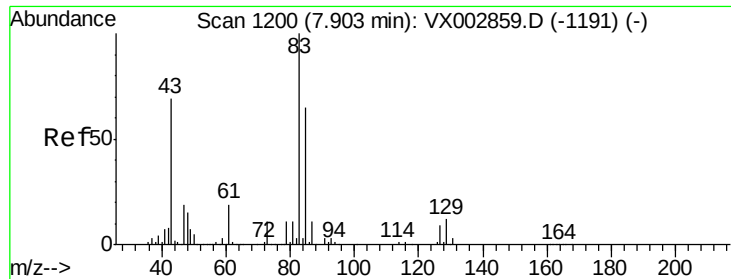
MMDadoda
 6/29/2018 12:22:46 PM



#46
 Dibromomethane
 Concen: 49.03 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion: 93 Resp: 109547
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.9 98.9
 174 121.0 92.4 138.6





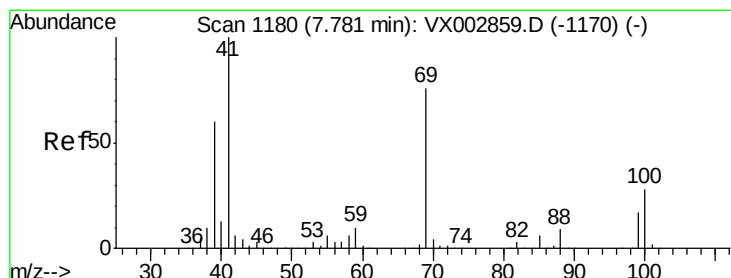
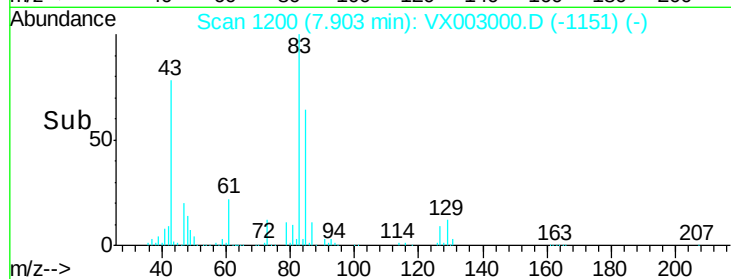
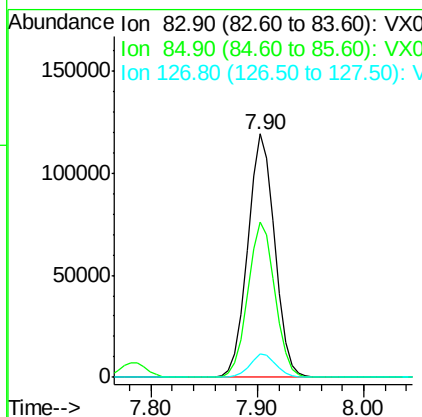
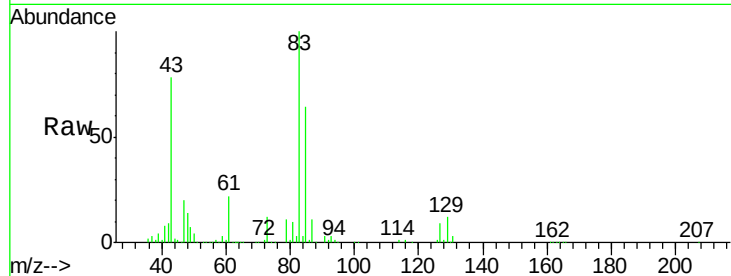
#47
Bromodichloromethane
Concen: 51.17 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.3	75.5
127	9.5	7.0	10.4

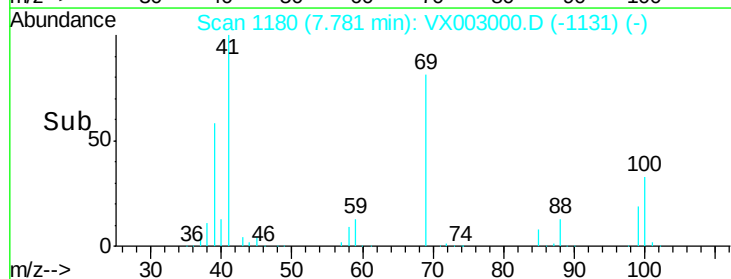
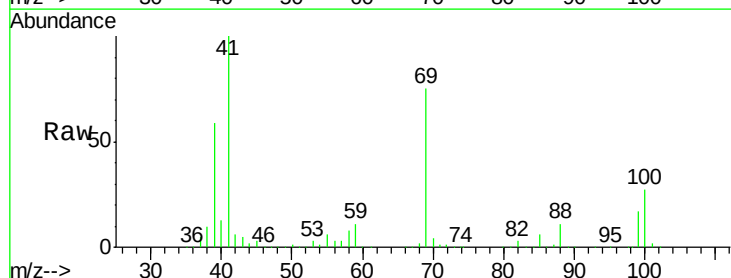
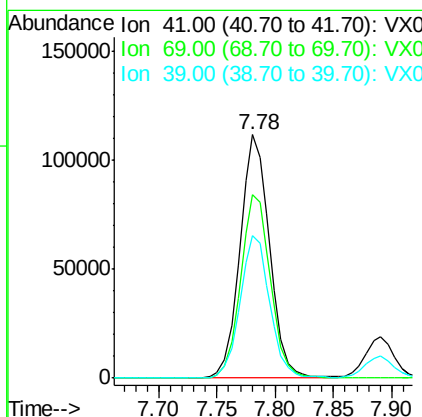
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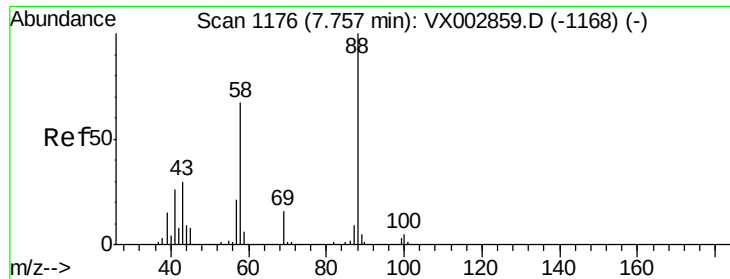
MMDadoda
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#48
Methyl methacrylate
Concen: 50.64 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.4	59.1	88.7
39	58.7	48.9	73.3





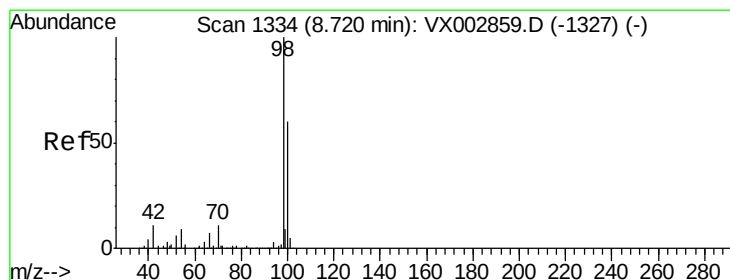
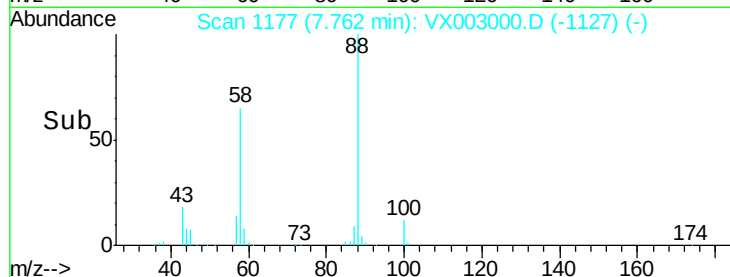
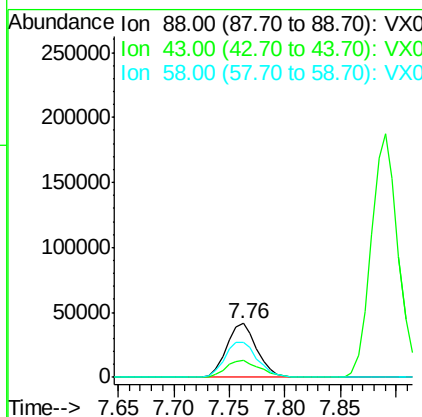
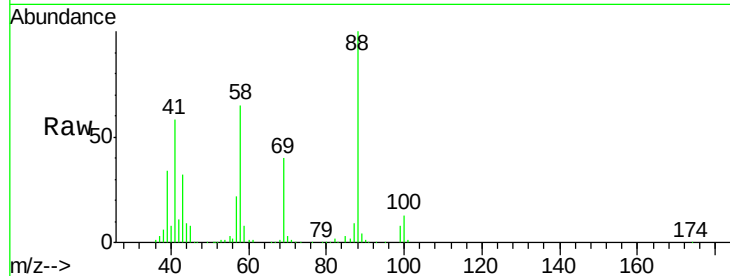
#49
1,4-Dioxane
Concen: 1028.44 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

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

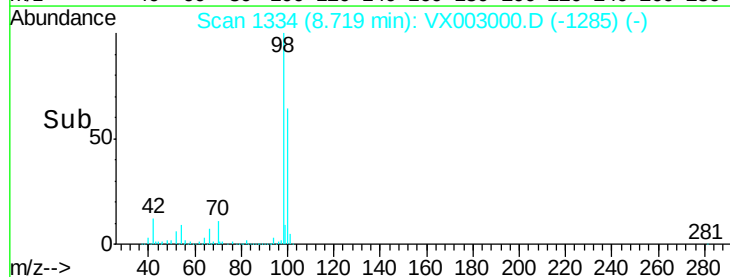
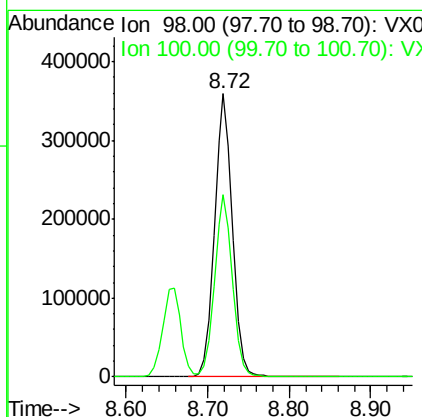
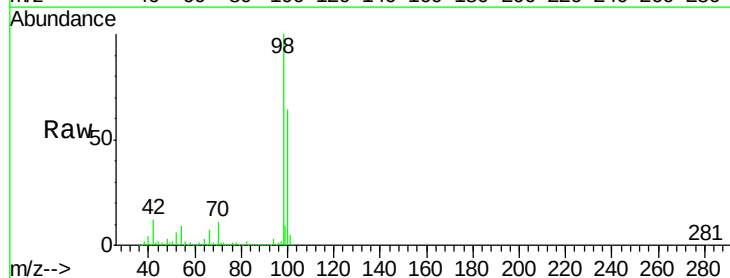
Manual Integrations
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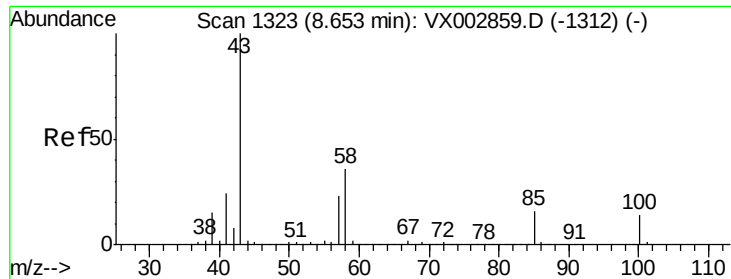
MMDadoda
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#50
Toluene-d8
Concen: 50.33 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 258.64 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1220681

Ion Ratio Lower Upper

43 100

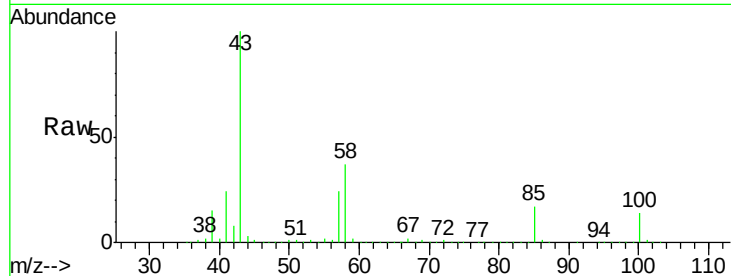
58 36.7 28.6 42.8

Manual Integrations

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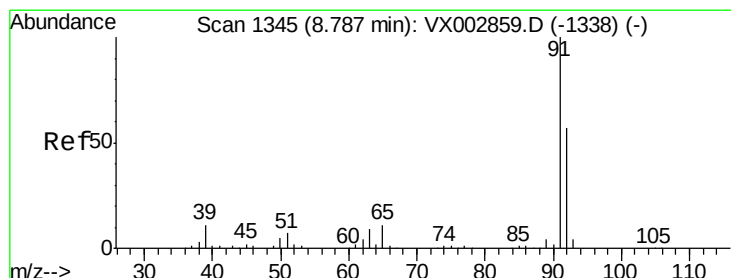
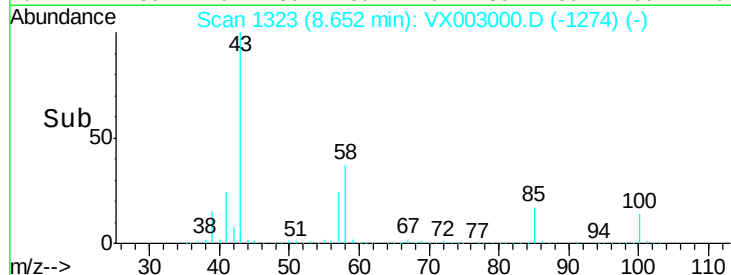
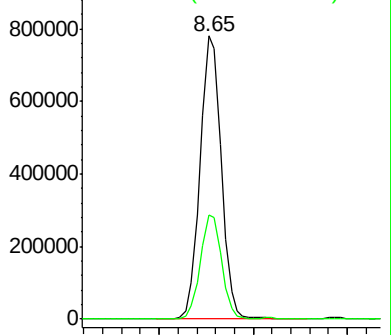
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 50.05 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003000.D

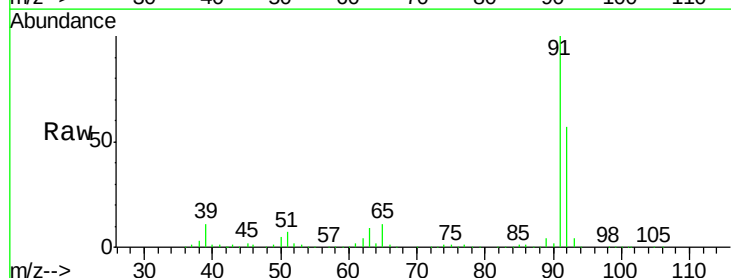
Acq: 28 Jun 2018 21:53

Tgt Ion: 92 Resp: 389195

Ion Ratio Lower Upper

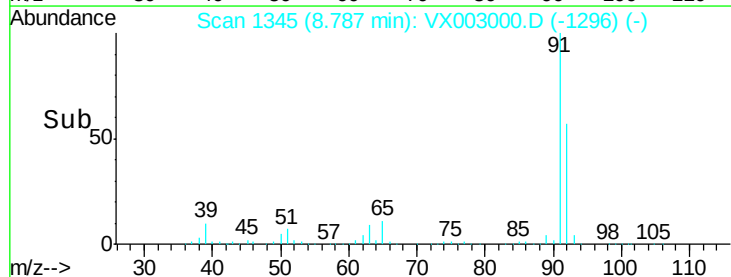
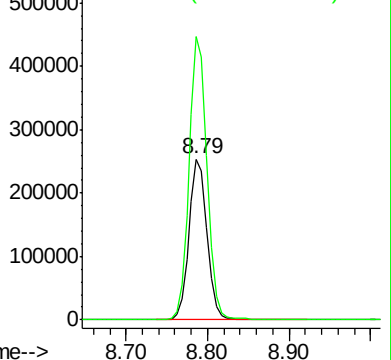
92 100

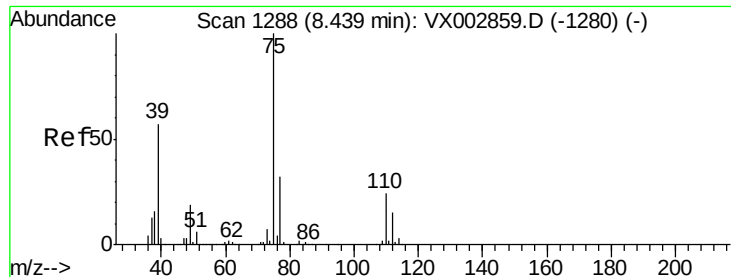
91 175.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.70 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 237160

Ion Ratio Lower Upper

75 100

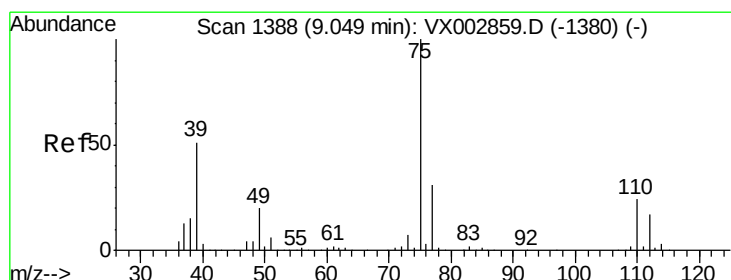
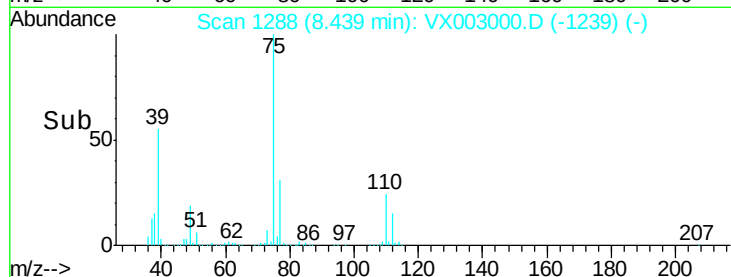
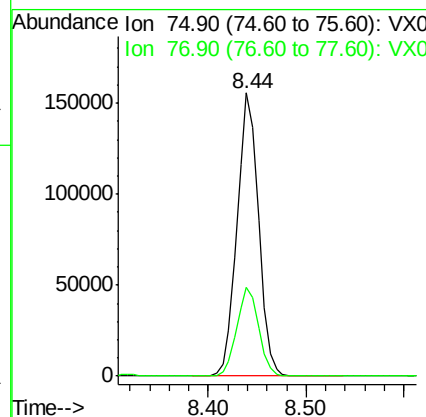
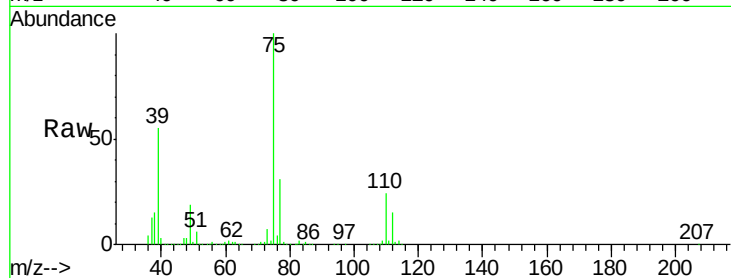
77 31.4 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.03 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

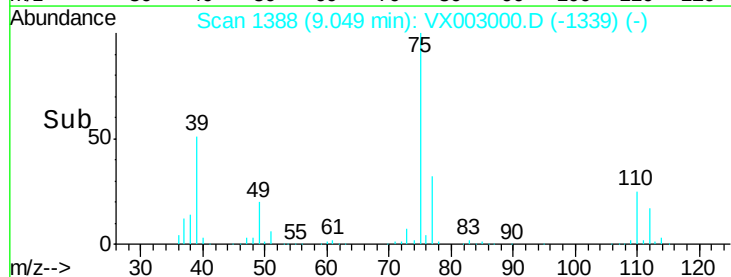
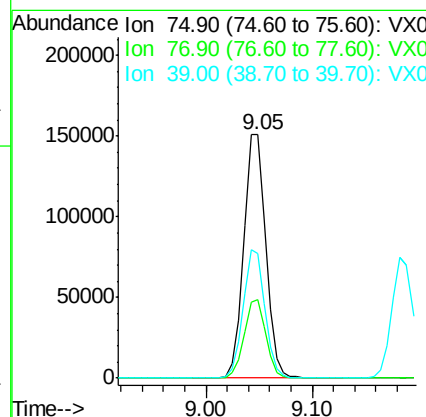
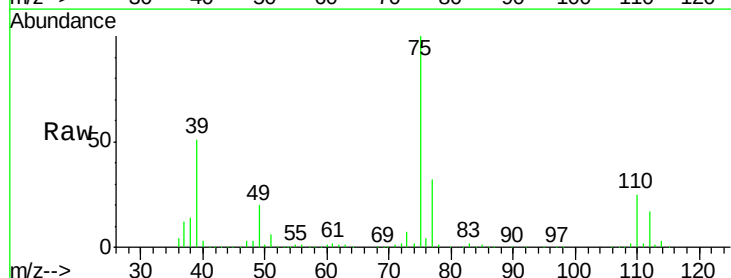
Tgt Ion: 75 Resp: 220691

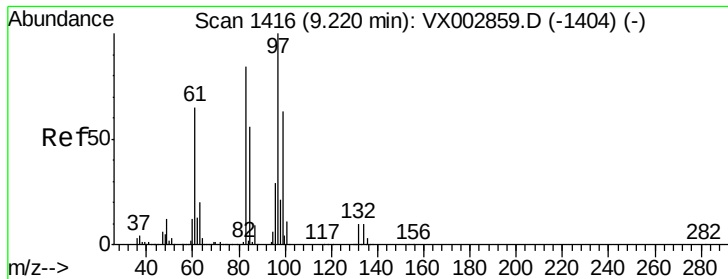
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 50.9 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 50.08 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 160018

Ion Ratio Lower Upper

97 100

83 84.7 70.2 105.2

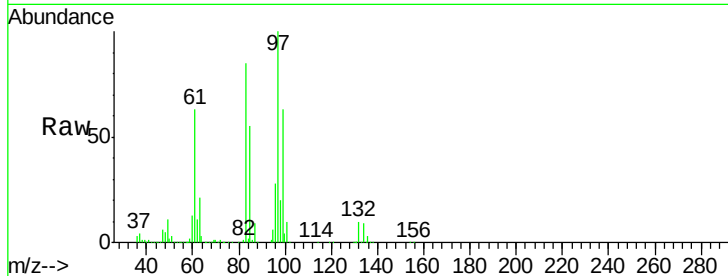
85 55.0 44.9 67.3

99 62.9 49.8 74.8

Manual Integrations
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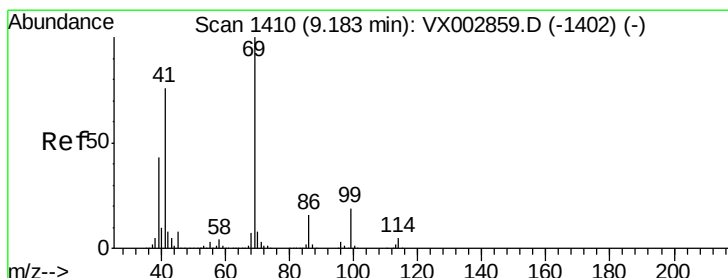
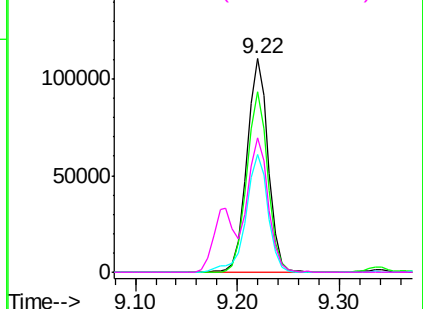
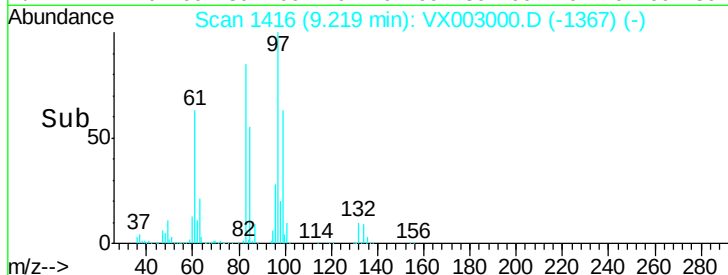


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 52.51 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

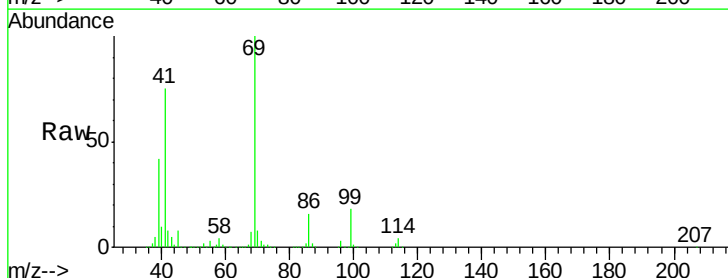
Tgt Ion: 69 Resp: 245223

Ion Ratio Lower Upper

69 100

41 73.7 60.3 90.5

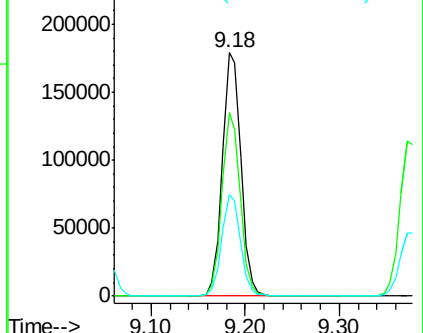
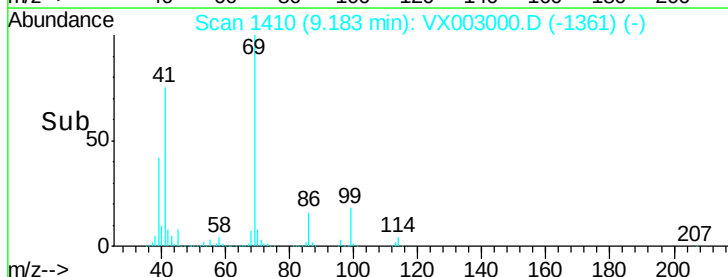
39 41.3 35.8 53.8

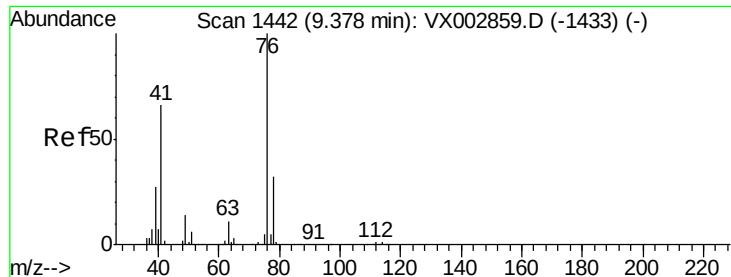


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





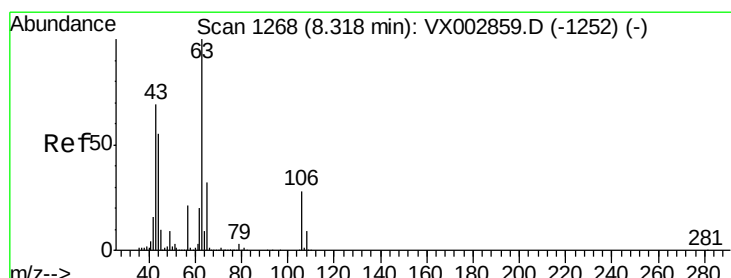
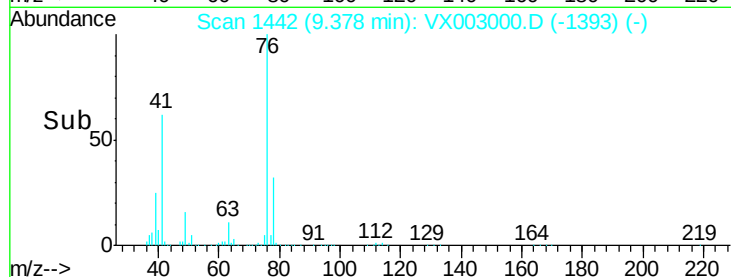
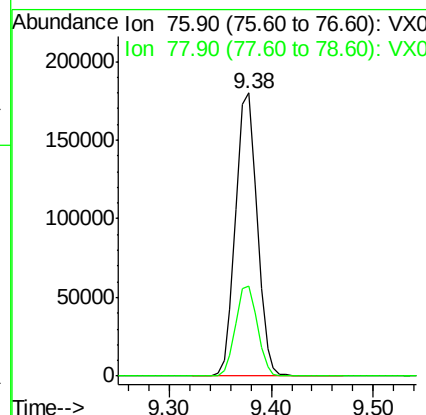
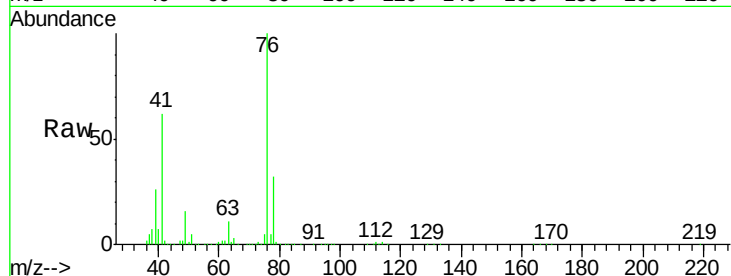
#57
 1,3-Dichloropropane
 Concen: 50.04 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

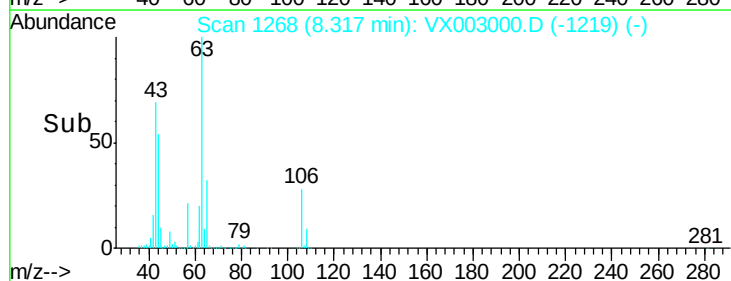
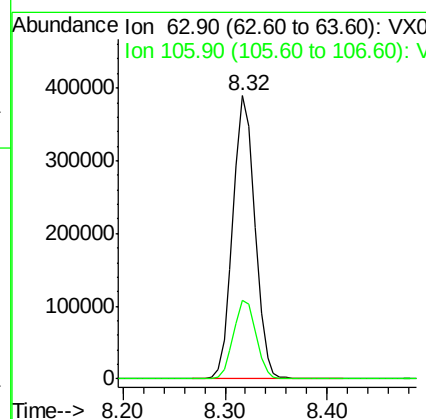
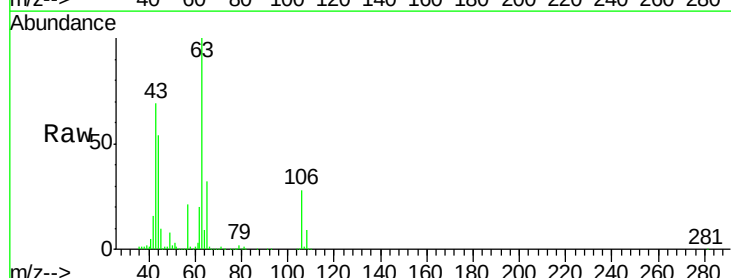
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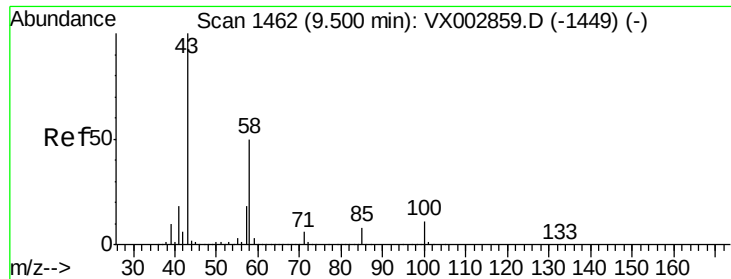
MMDadoda
 6/29/2018 12:22:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.16 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.8





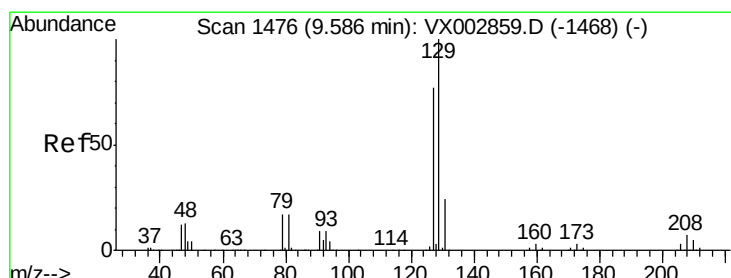
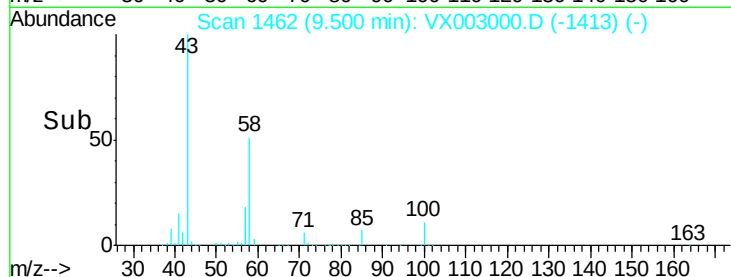
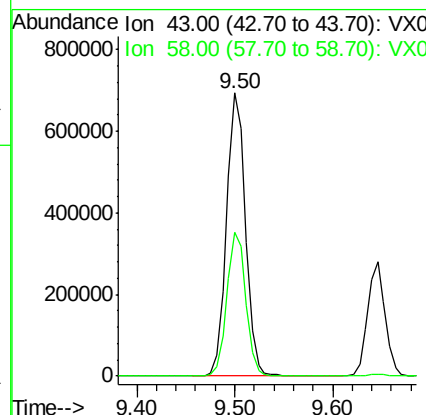
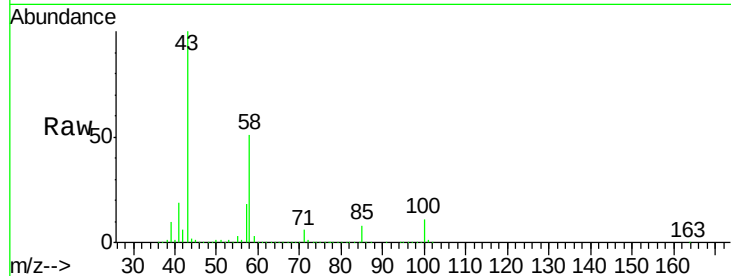
#59
2-Hexanone
Concen: 260.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	24.6	73.6

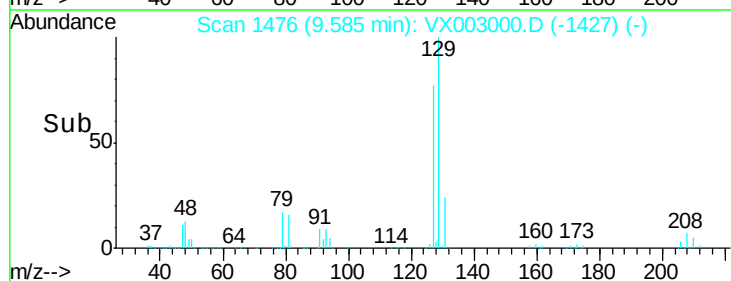
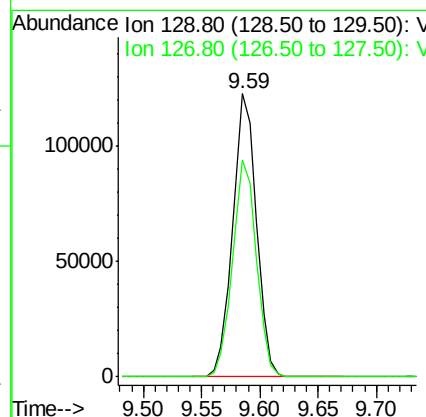
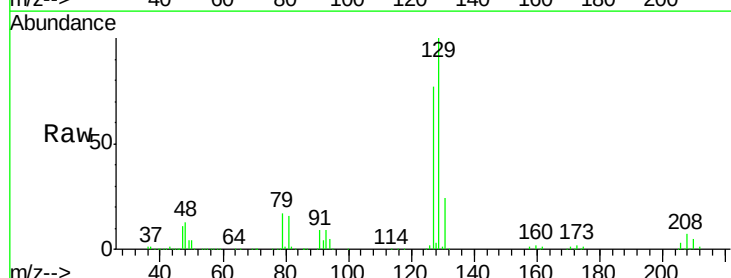
Manual Integrations
APPROVED

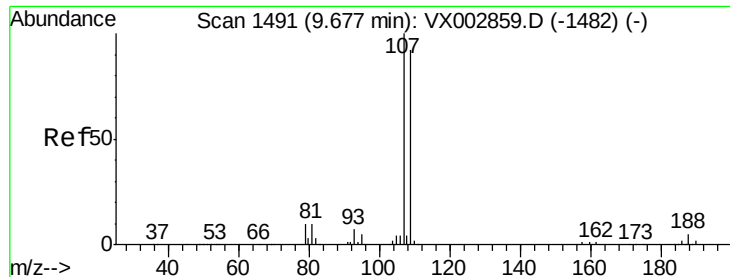
MMDadoda
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#60
Dibromochloromethane
Concen: 51.88 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.3





#61

1,2-Dibromoethane

Concen: 50.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 170274

Ion Ratio Lower Upper

107 100

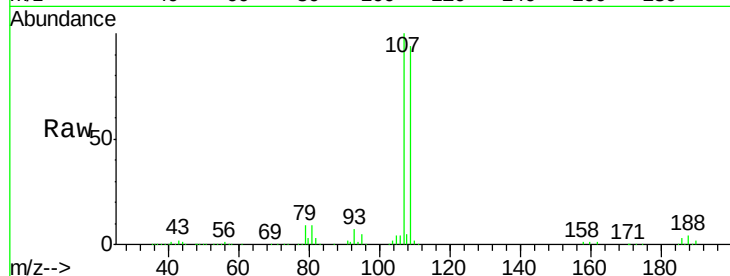
109 94.2 75.3 112.9

Manual Integrations

APPROVED

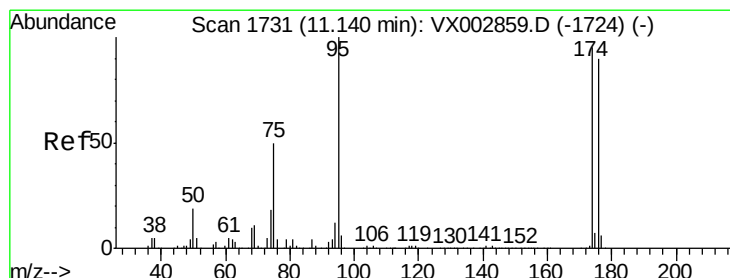
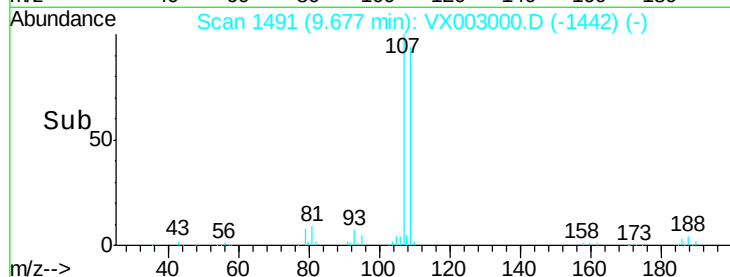
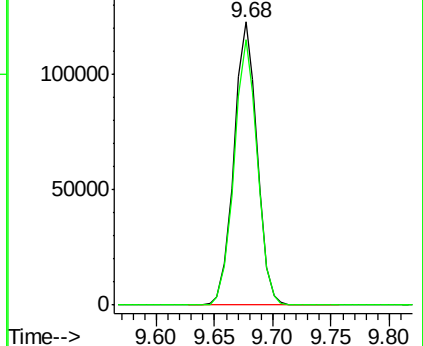
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

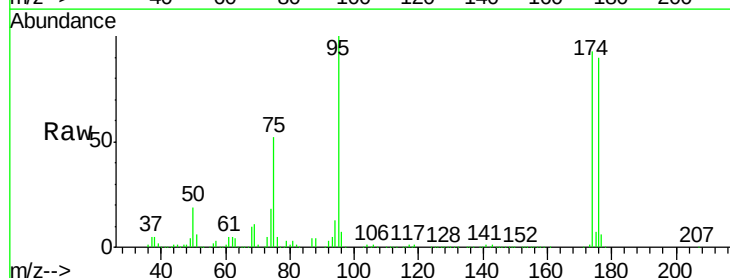
Tgt Ion: 95 Resp: 215023

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

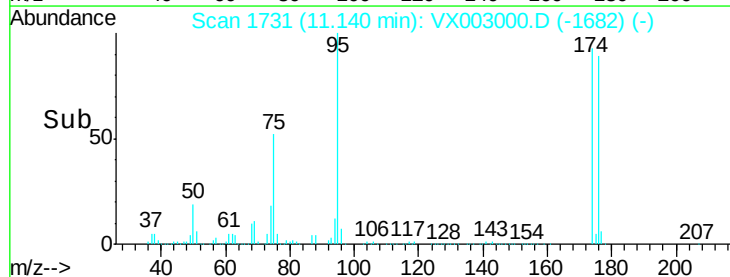
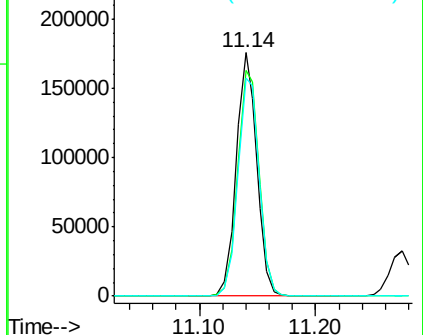
176 93.6 0.0 181.0

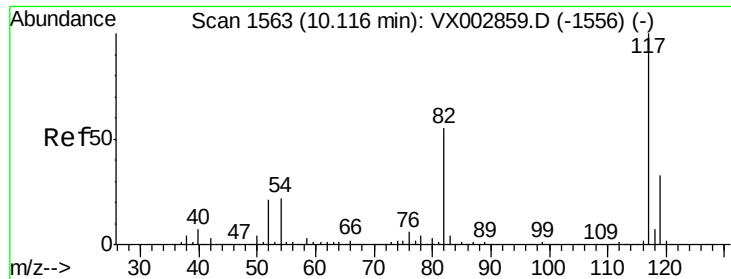


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





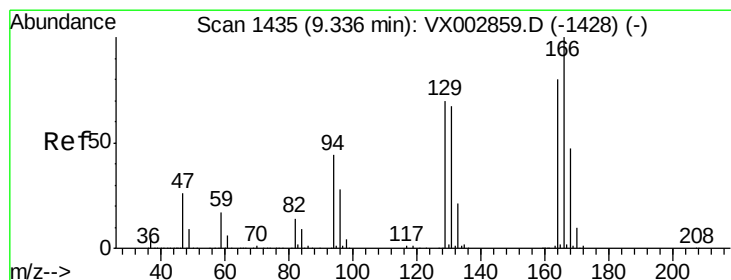
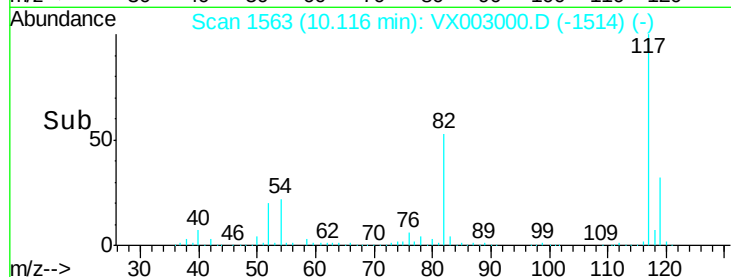
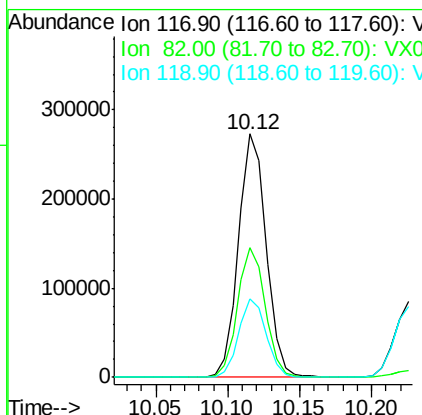
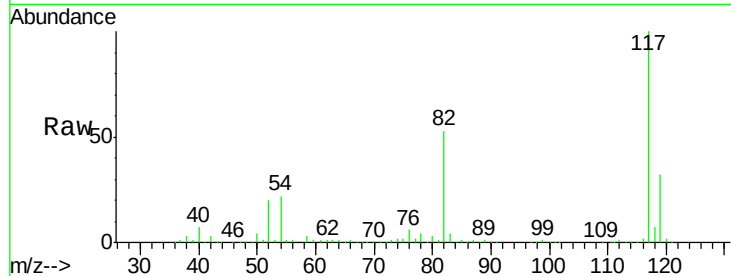
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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

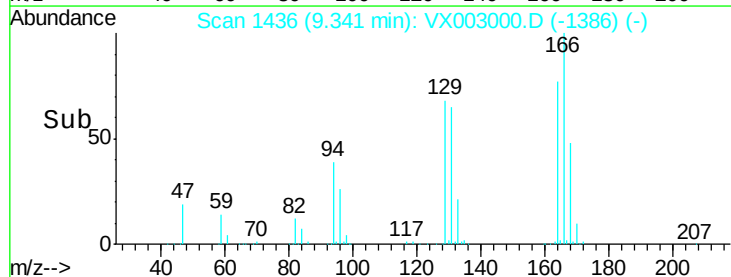
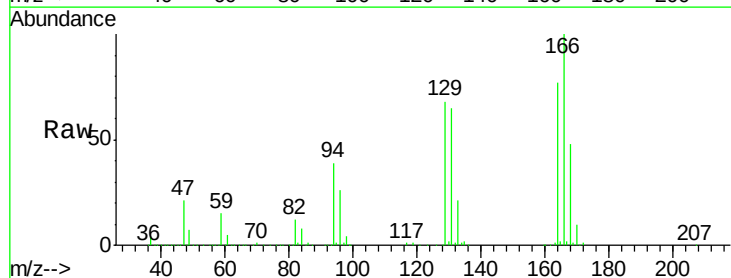
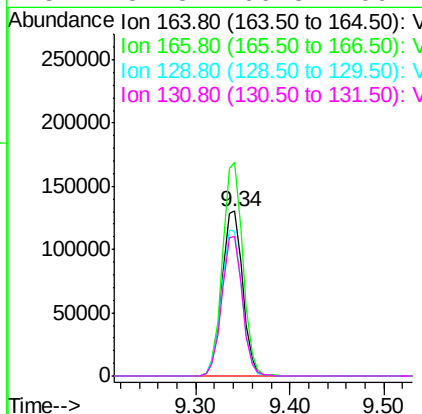
Manual Integrations
APPROVED

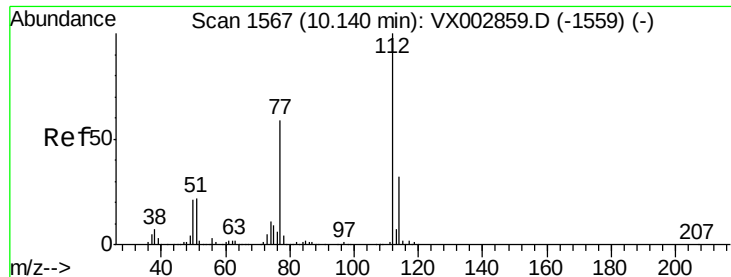
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#64
Tetrachloroethene
Concen: 48.63 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.9	154.3
129	87.6	68.6	102.8
131	84.8	66.8	100.2





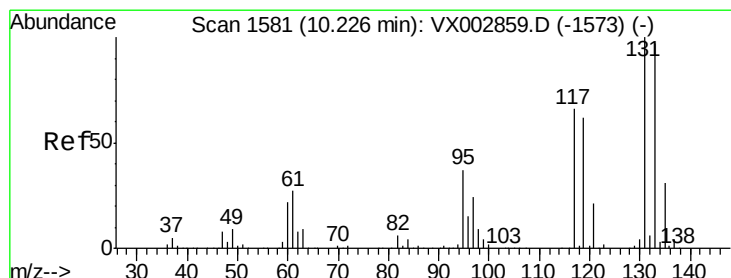
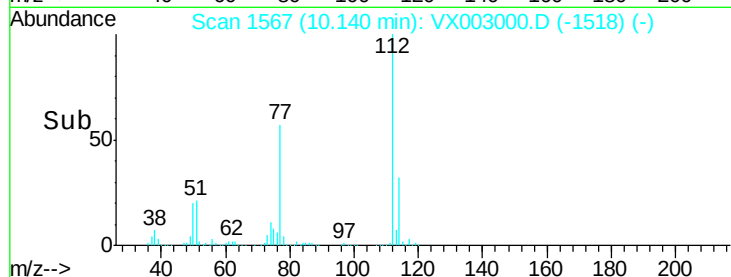
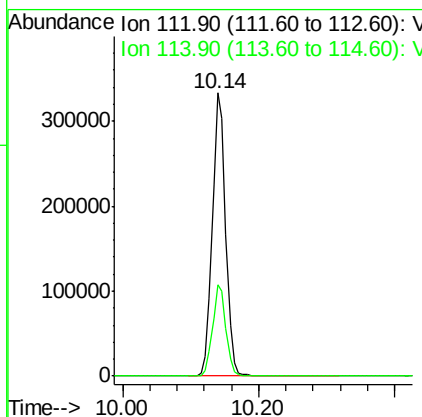
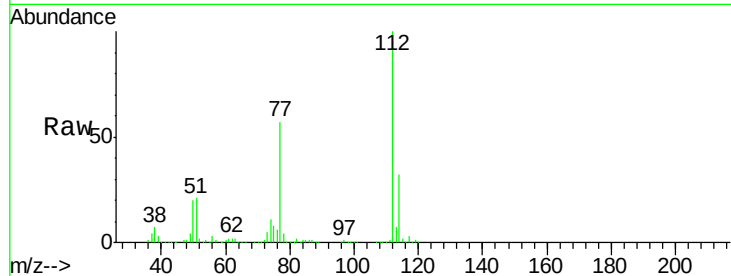
#65
Chlorobenzene
Concen: 48.62 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9

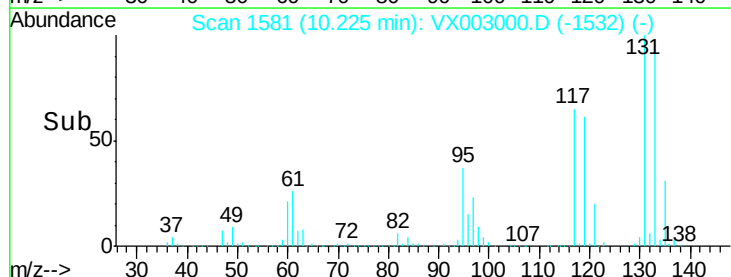
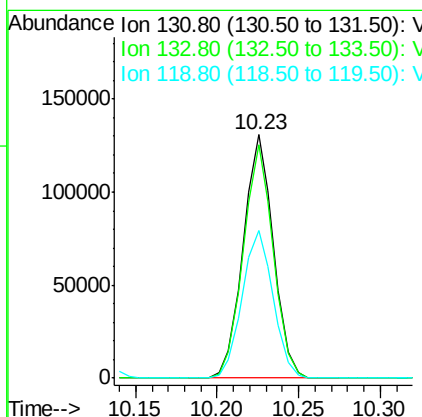
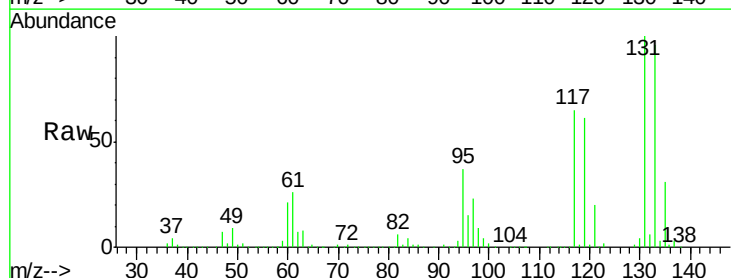
Manual Integrations
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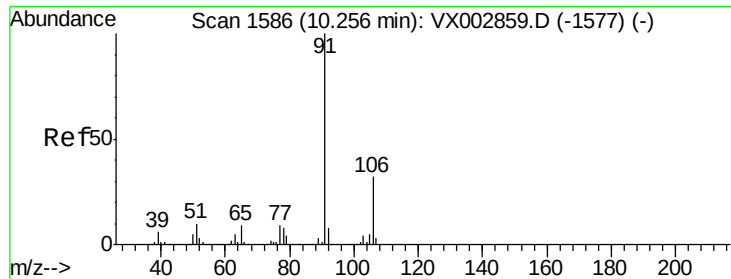
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.03 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.9	143.6
119	62.5	31.8	95.3





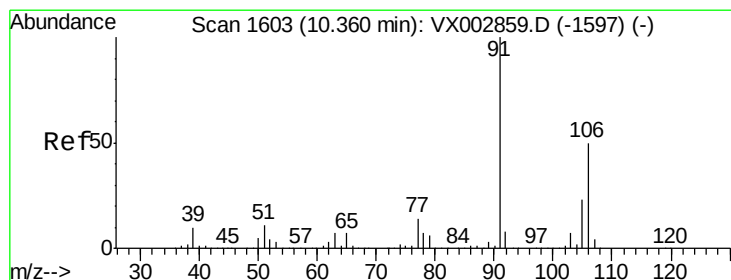
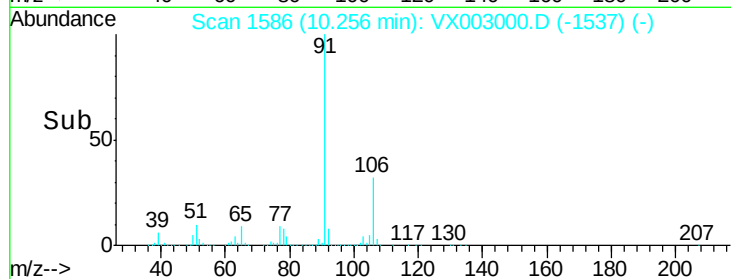
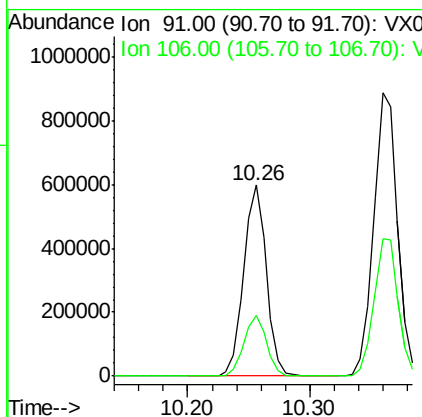
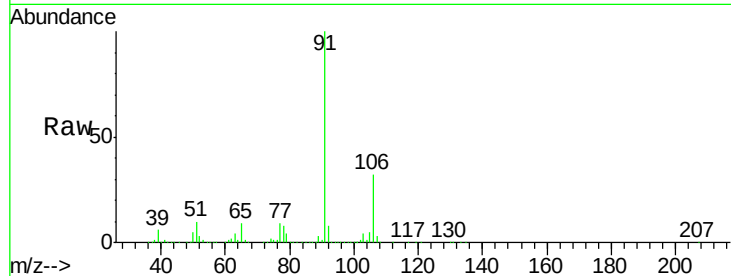
#67
Ethyl Benzene
Concen: 49.92 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 766505
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

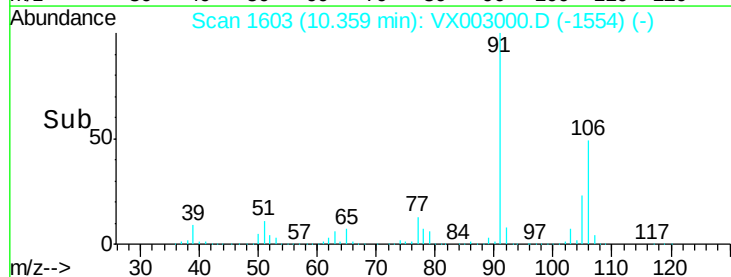
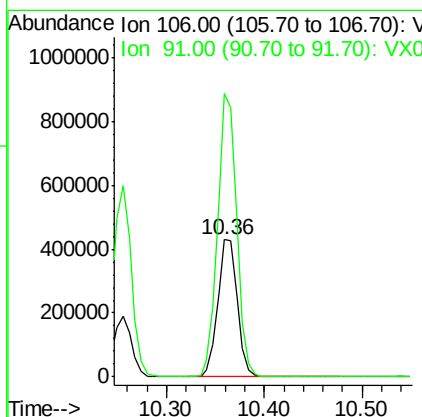
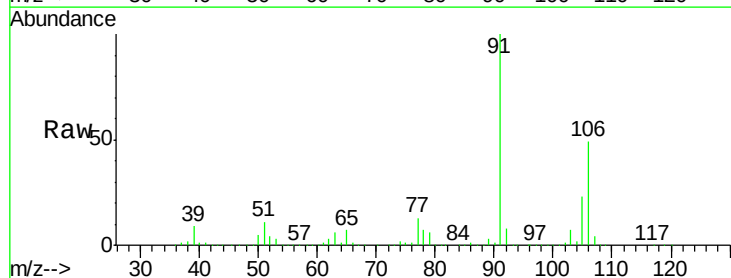
Manual Integrations
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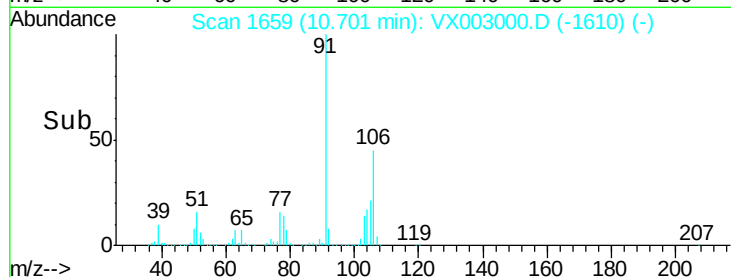
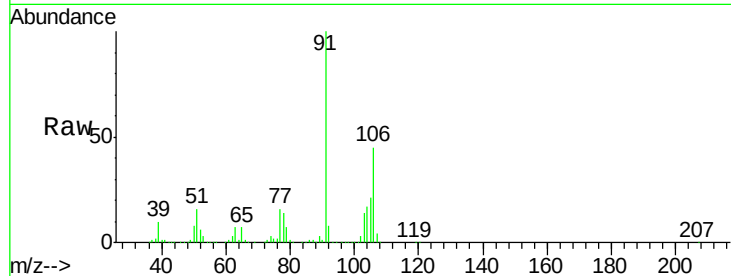
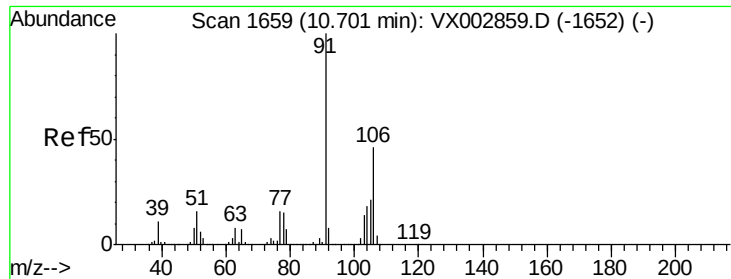
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#68
m/p-Xylenes
Concen: 100.37 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion: 106 Resp: 593958
Ion Ratio Lower Upper
106 100
91 202.2 163.4 245.2





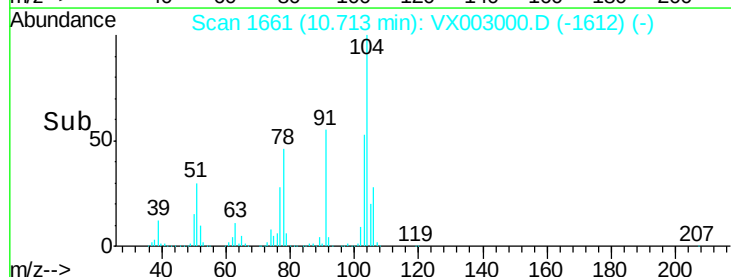
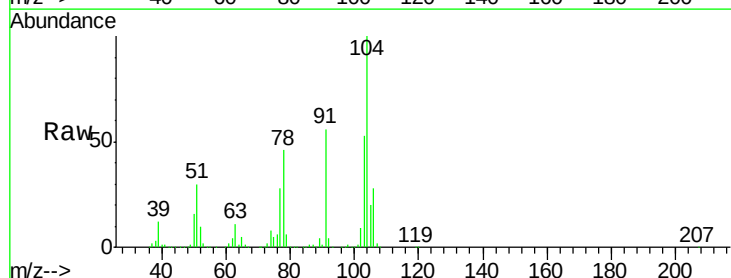
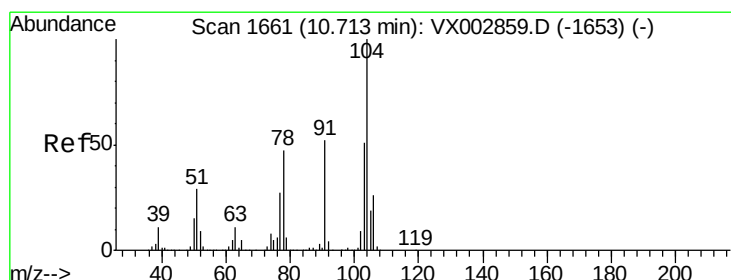
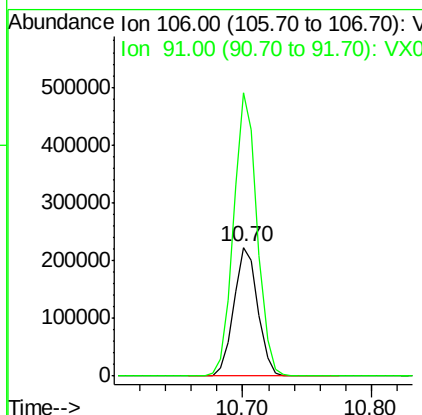
#69
o-Xylene
Concen: 50.16 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tot Ion:106 Resp: 289033
Ion Ratio Lower Upper
106 100
91 215.4 108.2 324.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

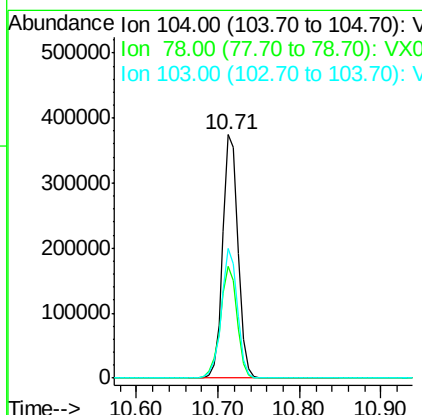
Manual Integrations
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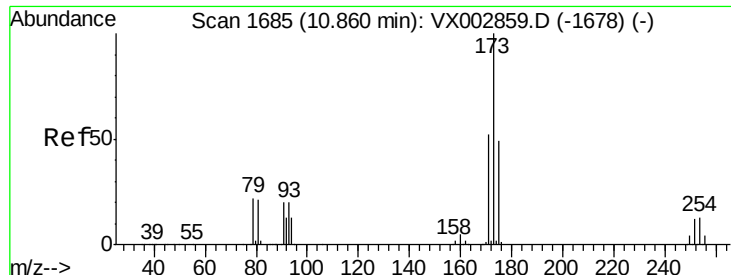
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#70
Styrene
Concen: 52.34 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion:104 Resp: 490071
Ion Ratio Lower Upper
104 100
78 50.1 41.0 61.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 45.73 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

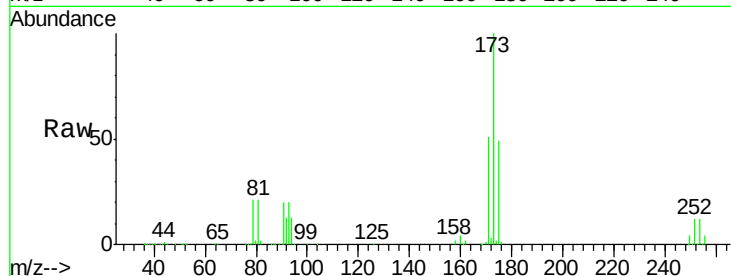
ClientSampleId :

VSTDCCC050EC

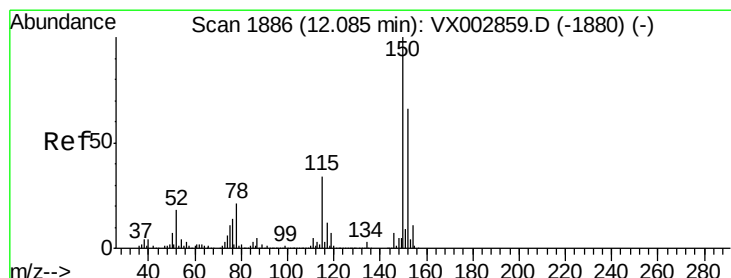
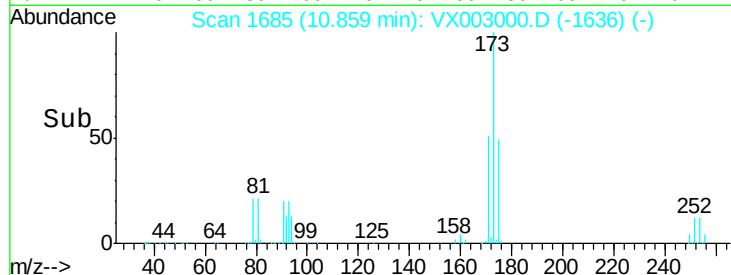
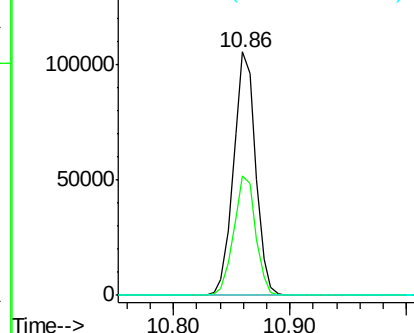
Tot Ion:	173	Resp:	138402
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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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

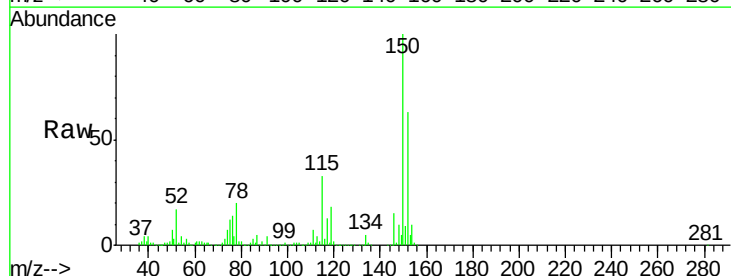
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

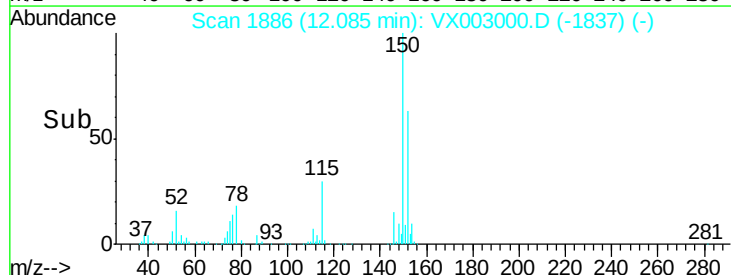
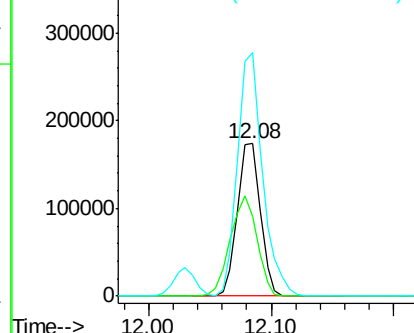
Lab File: VX003000.D

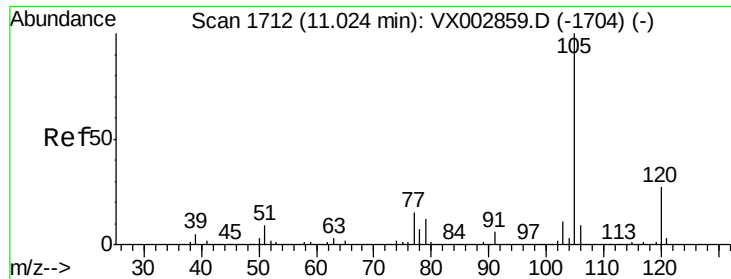
Acq: 28 Jun 2018 21:53

Tgt Ion:	152	Resp:	225488
Ion Ratio	Lower	Upper	
152	100		
115	76.9	40.1	120.2
150	174.5	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: 50.74 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 769644

Ion Ratio Lower Upper

105 100

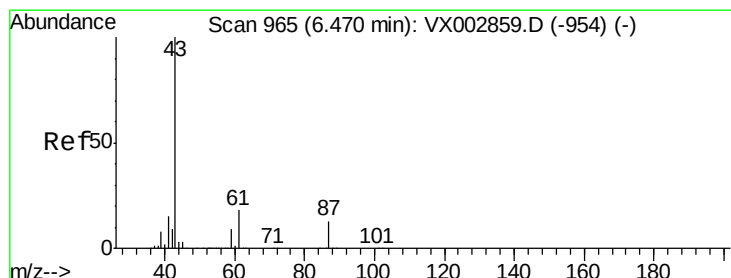
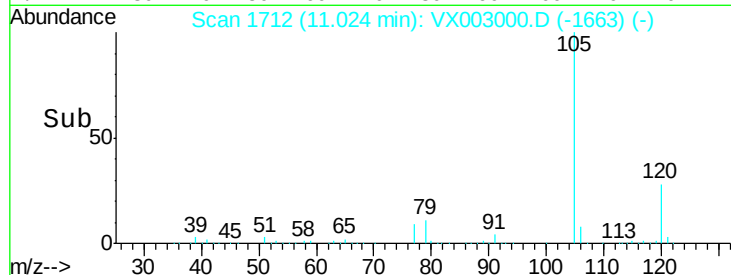
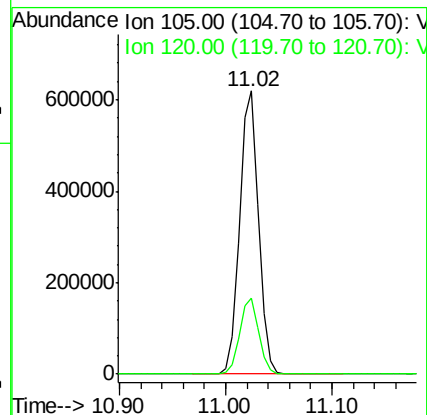
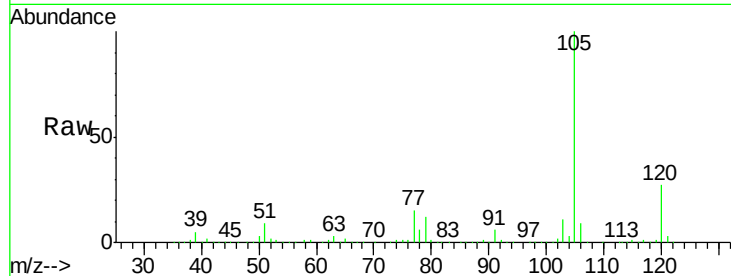
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.46 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion: 43 Resp: 374499

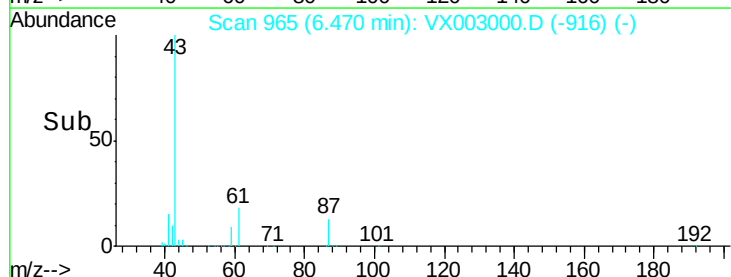
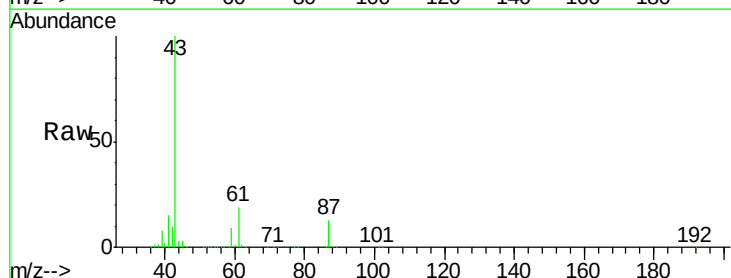
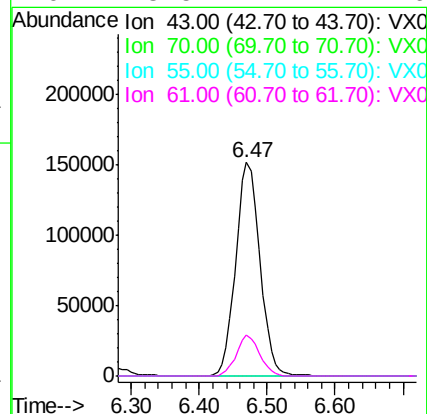
Ion Ratio Lower Upper

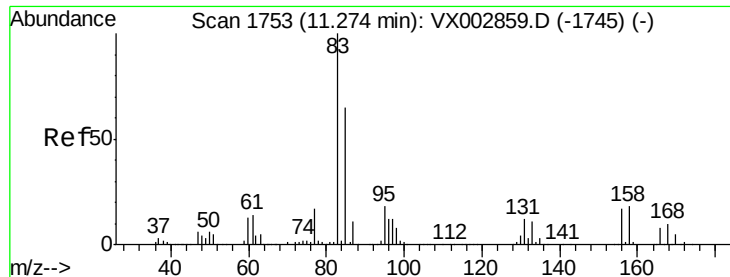
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.77 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

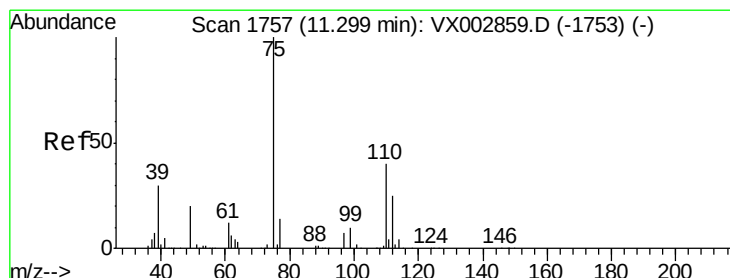
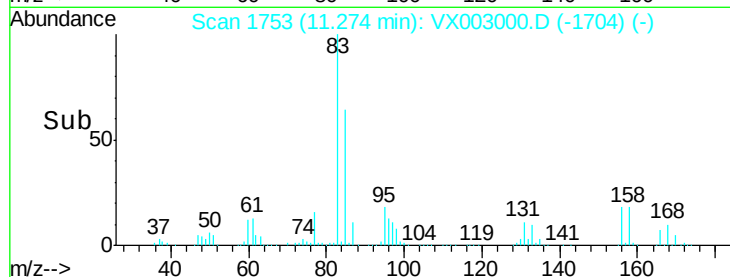
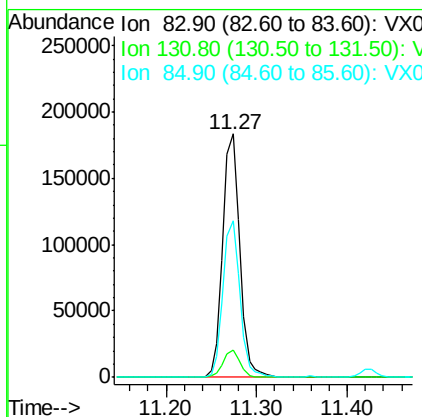
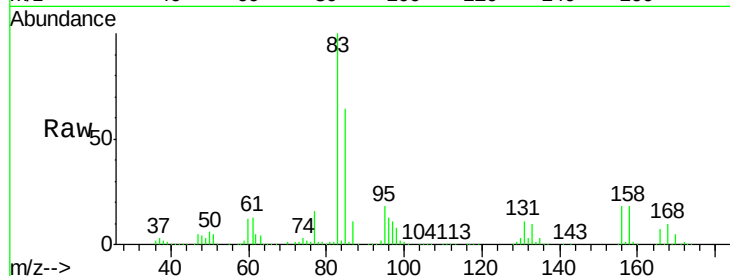
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	241902
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.4	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.50 ug/l m

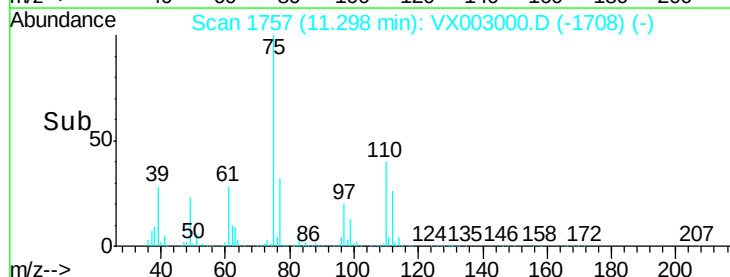
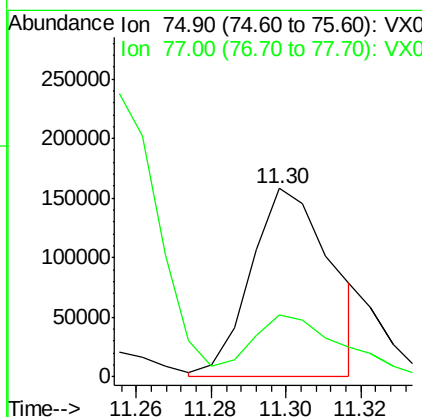
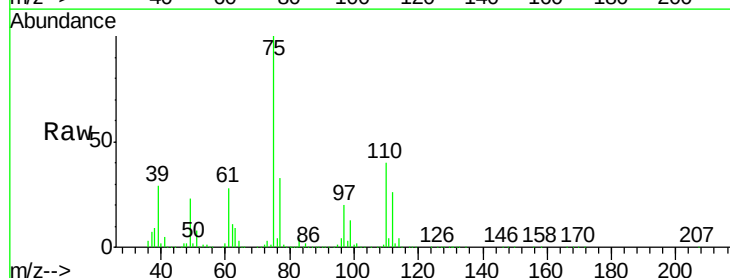
RT: 11.30 min Scan# 1757

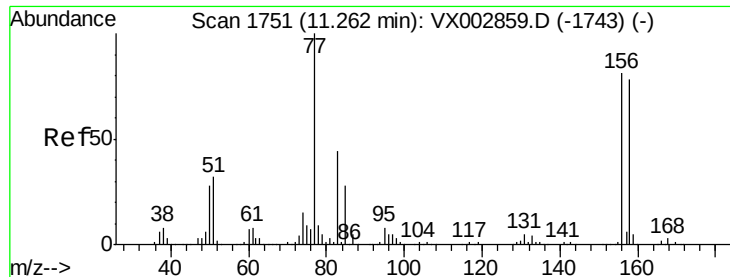
Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	75	Resp:	234851
Ion Ratio	Lower	Upper	
75	100		
77	36.9	22.8	68.3





#77

Bromobenzene

Concen: 50.94 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 220068

Ion Ratio Lower Upper

156 100

77 136.0 71.4 214.2

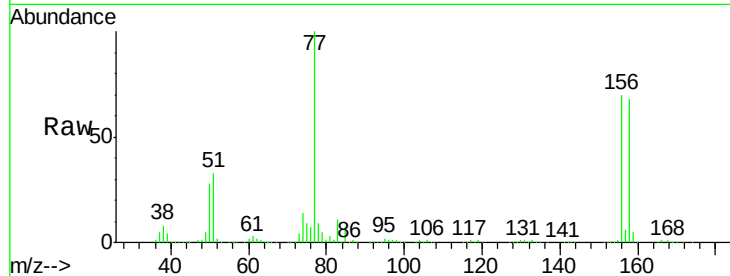
158 98.3 48.9 146.6

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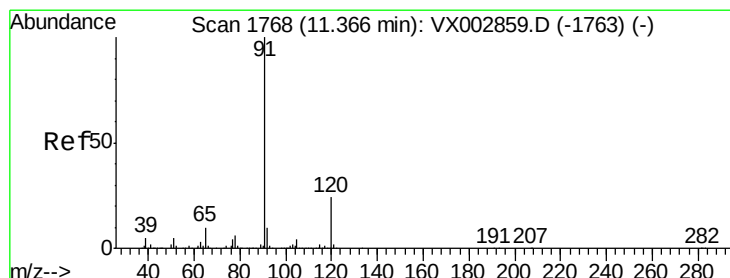
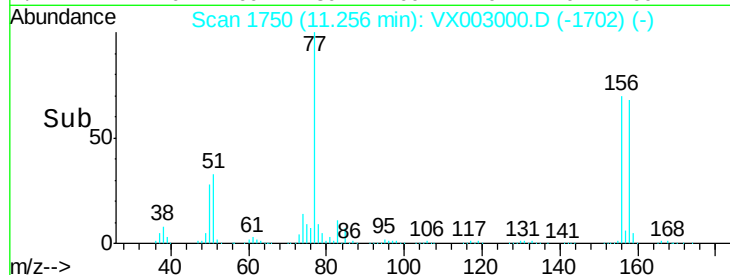
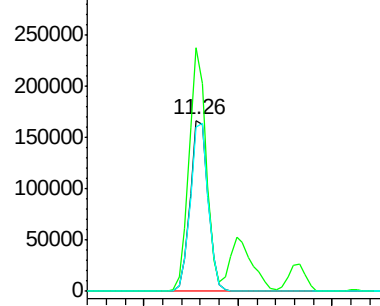
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.05 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003000.D

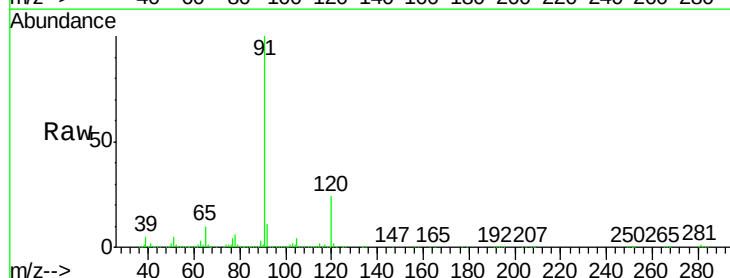
Acq: 28 Jun 2018 21:53

Tgt Ion: 91 Resp: 864240

Ion Ratio Lower Upper

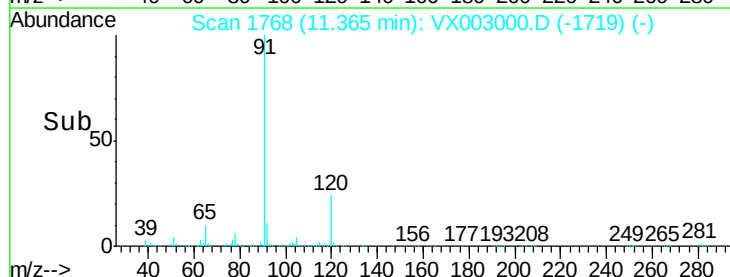
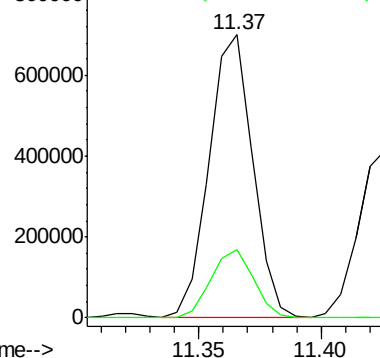
91 100

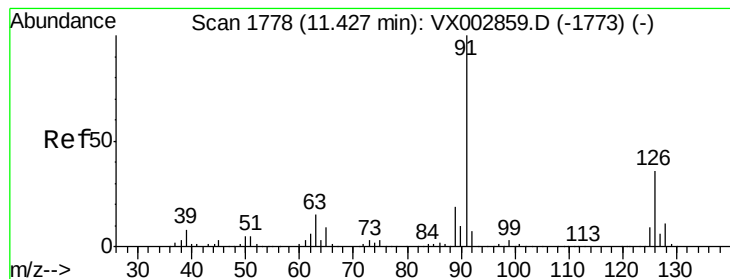
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.87 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 521285

Ion Ratio Lower Upper

91 100

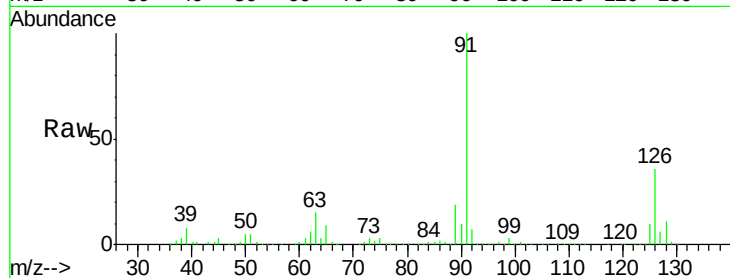
126 35.9 17.7 53.1

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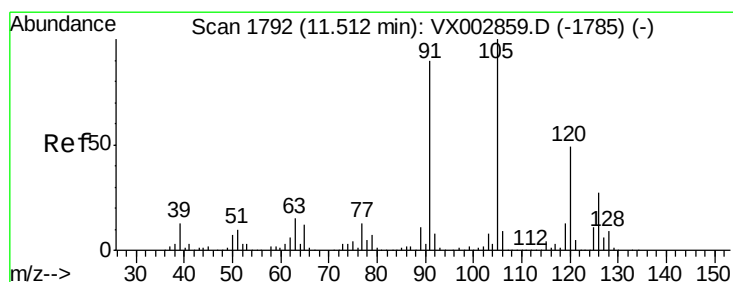
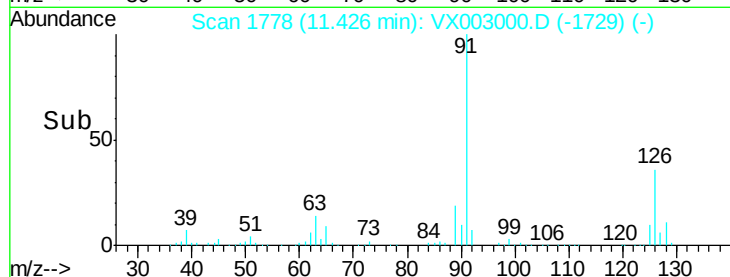
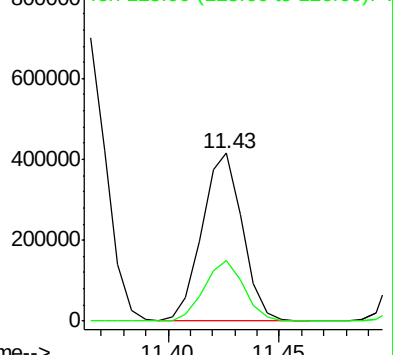
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.37 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003000.D

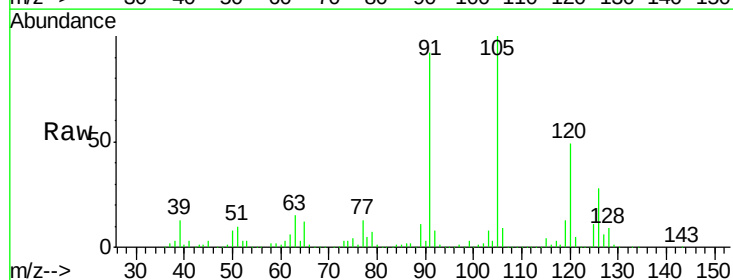
Acq: 28 Jun 2018 21:53

Tgt Ion:105 Resp: 643473

Ion Ratio Lower Upper

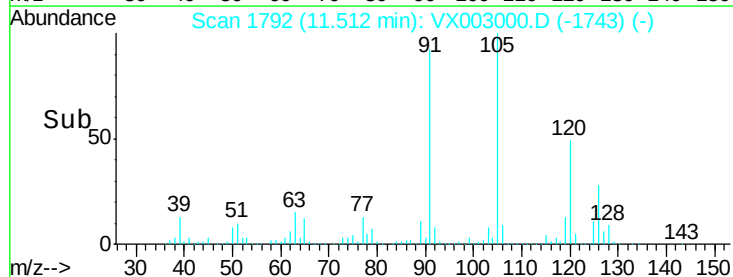
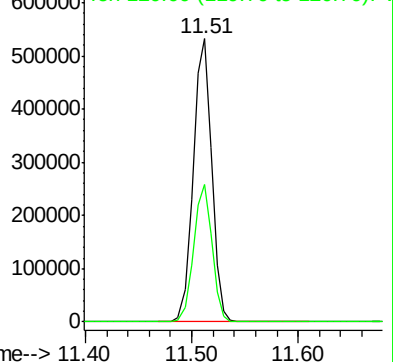
105 100

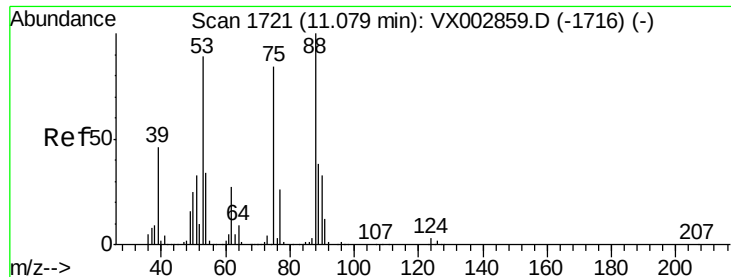
120 48.5 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 42.24 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 58676

Ion Ratio Lower Upper

75 100

53 111.0 86.8 130.2

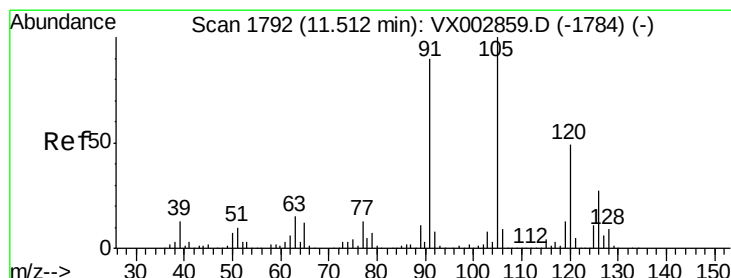
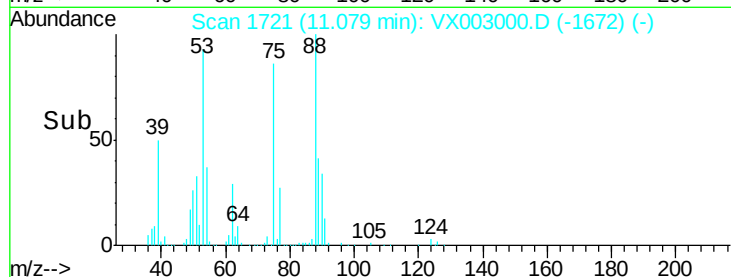
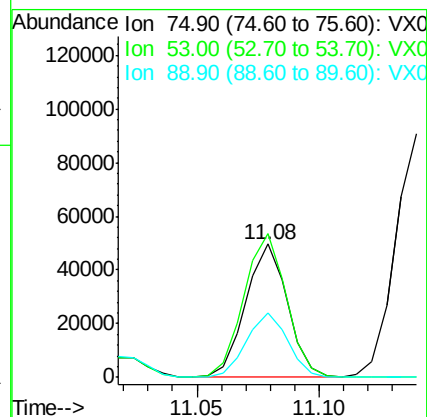
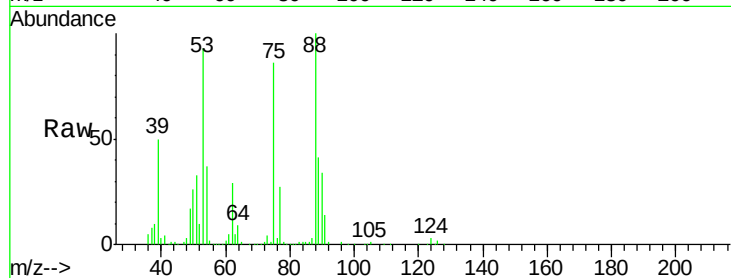
89 48.4 38.2 57.2

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#82

4-Chlorotoluene

Concen: 49.89 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003000.D

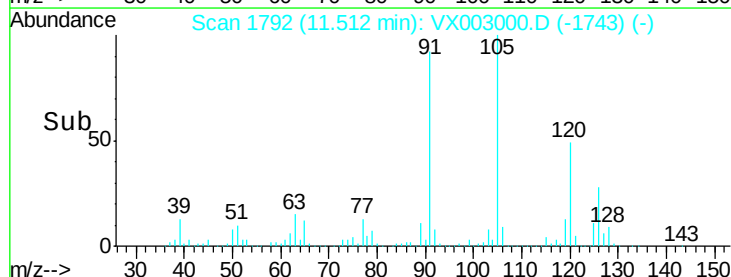
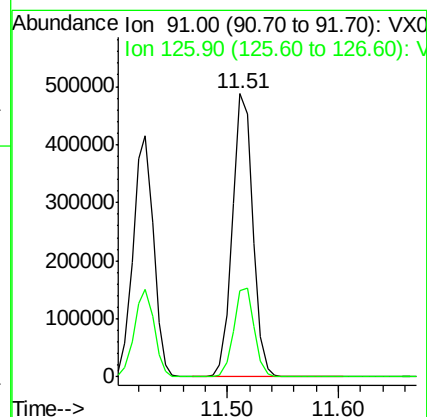
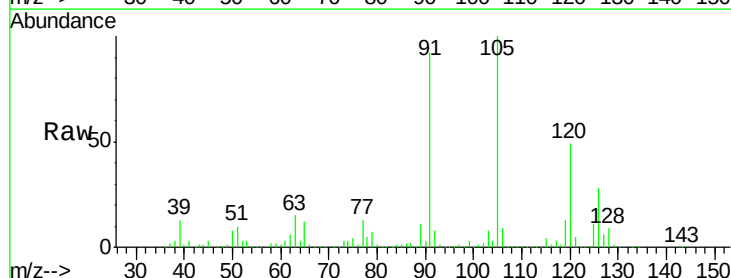
Acq: 28 Jun 2018 21:53

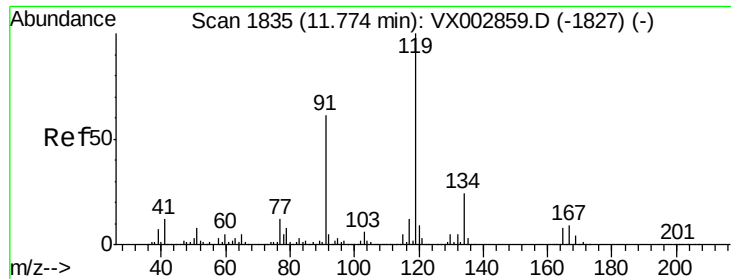
Tgt Ion: 91 Resp: 617378

Ion Ratio Lower Upper

91 100

126 31.5 15.4 46.4





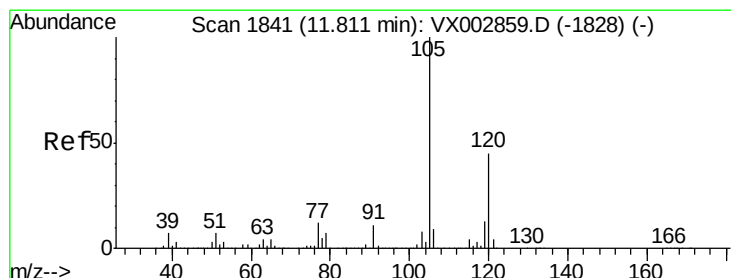
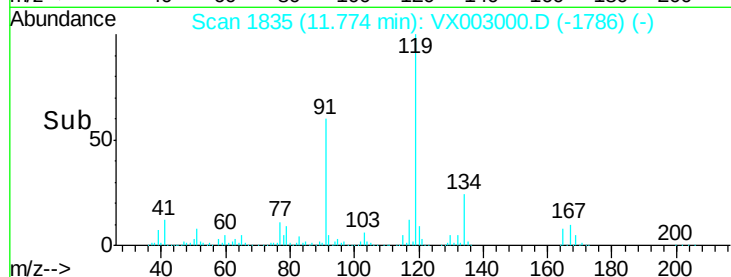
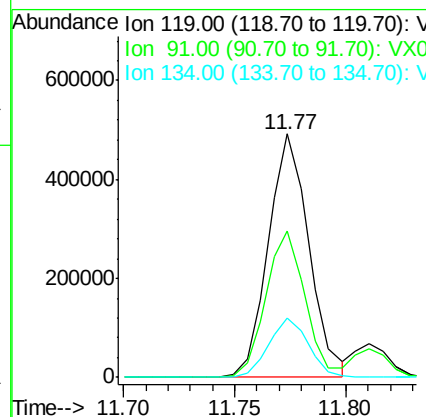
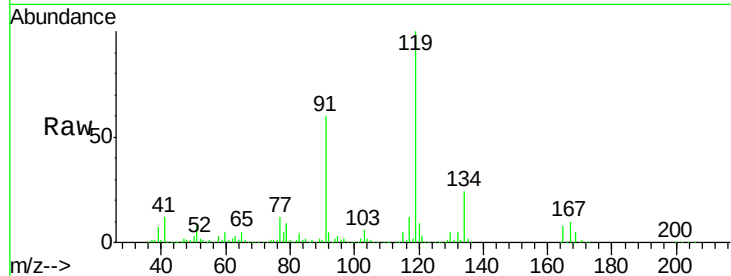
#83
 tert-Butylbenzene
 Concen: 49.45 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	30.3	90.9
134	23.6	11.7	35.1

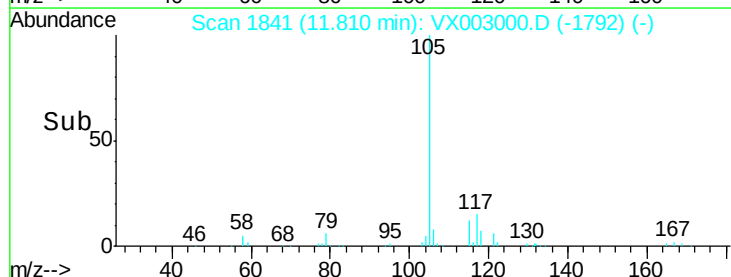
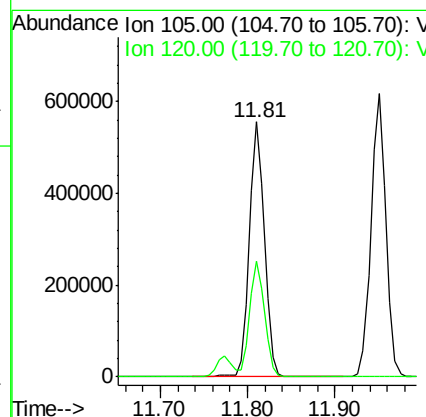
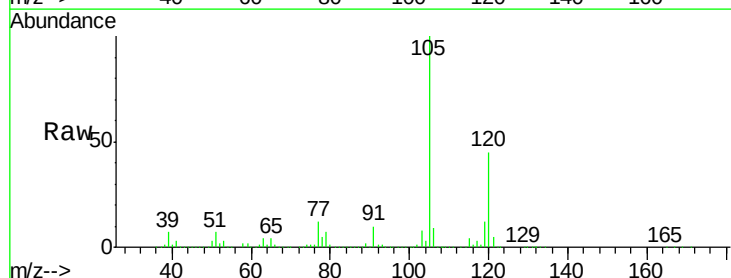
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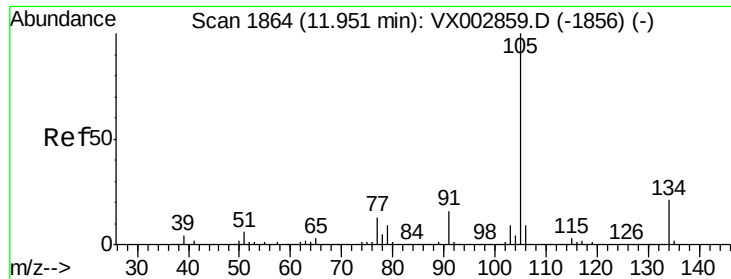
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.22 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 48.30 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 737755

Ion Ratio Lower Upper

105 100

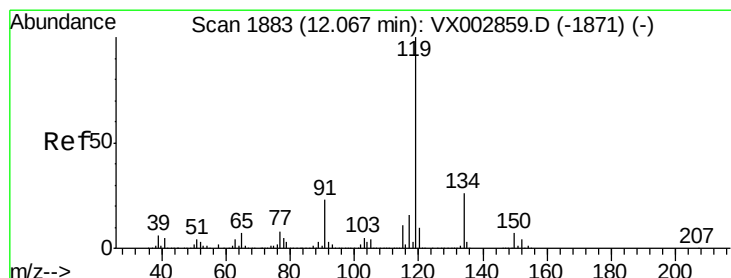
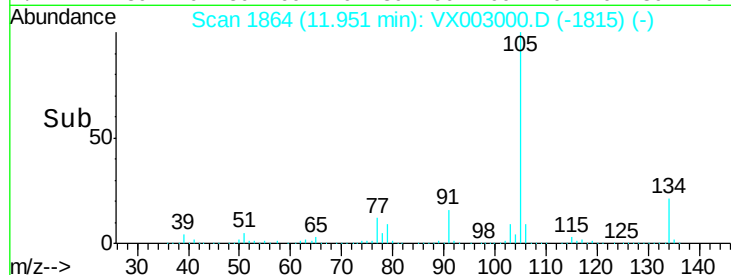
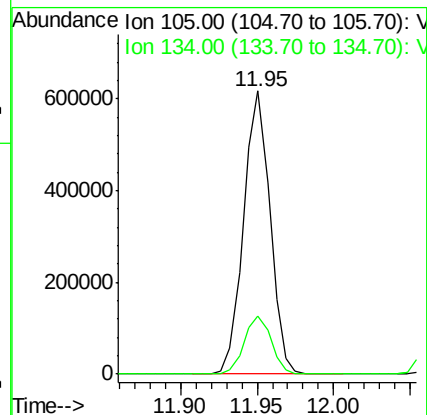
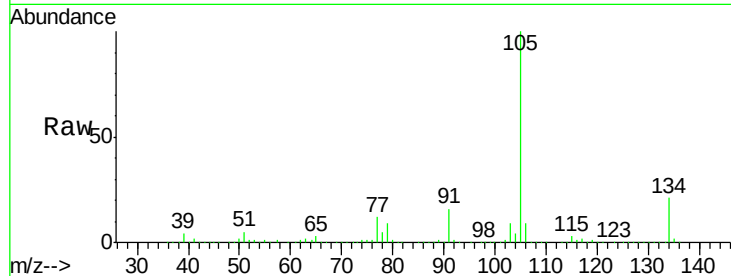
134 20.9 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.13 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

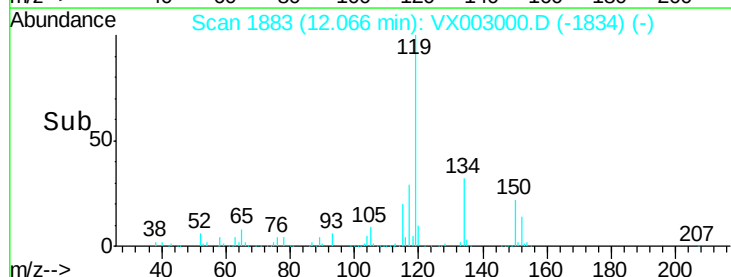
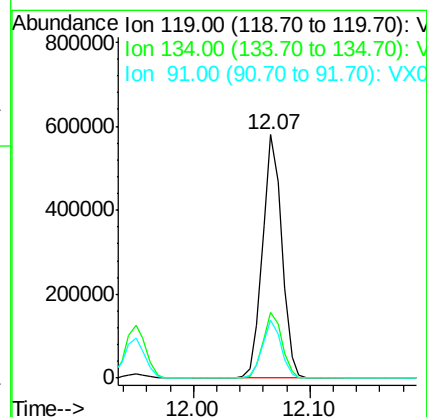
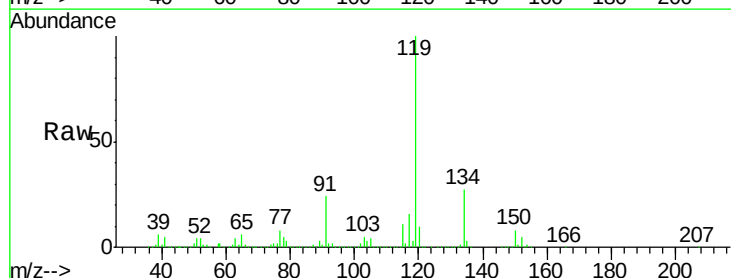
Tgt Ion:119 Resp: 674639

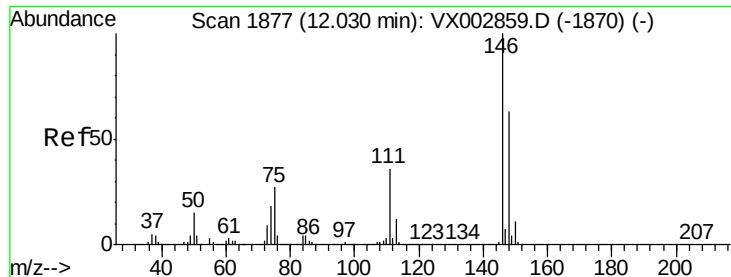
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.1 11.9 35.7





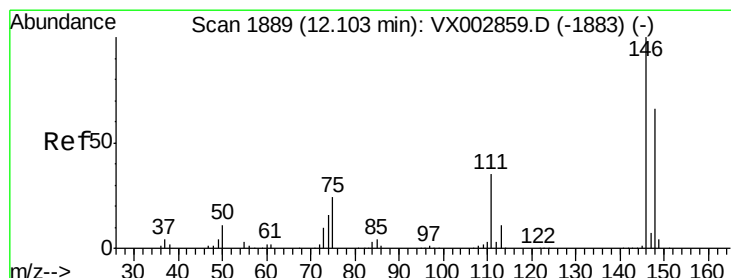
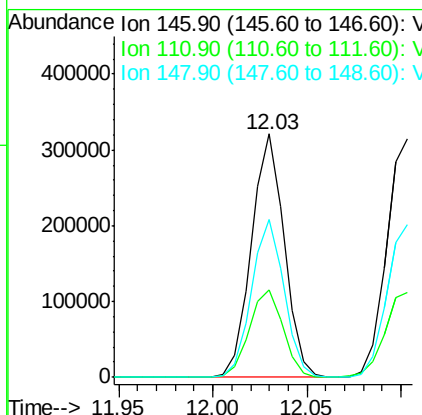
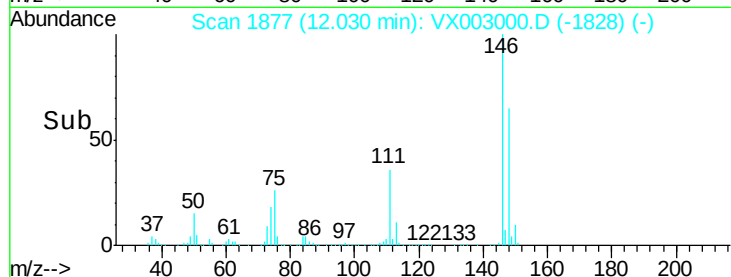
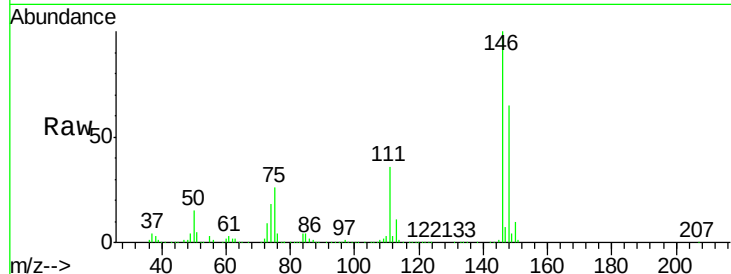
#87
 1,3-Dichlorobenzene
 Concen: 49.09 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.4	32.1	96.3

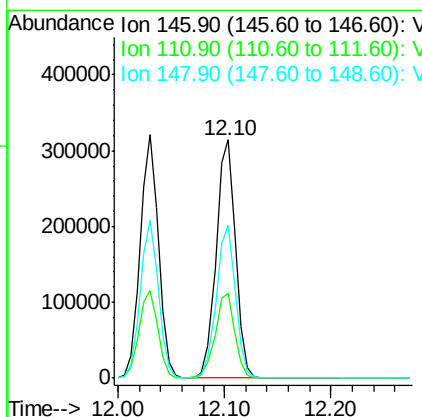
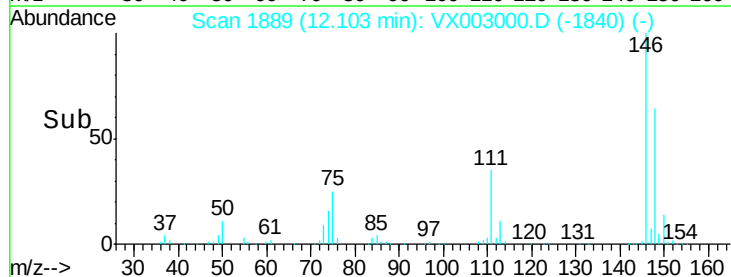
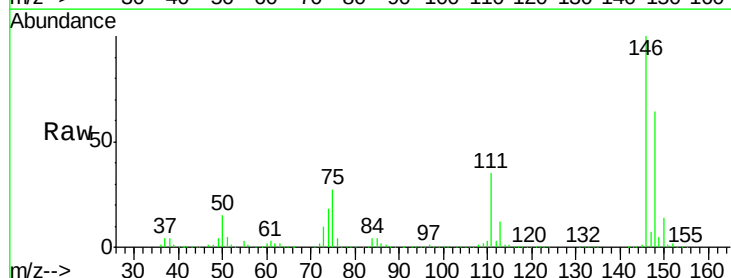
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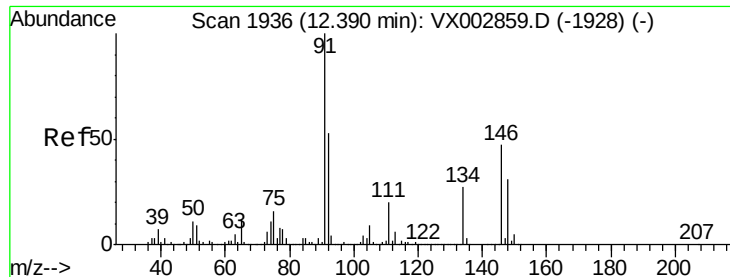
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#88
 1,4-Dichlorobenzene
 Concen: 48.43 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	63.9	32.4	97.0





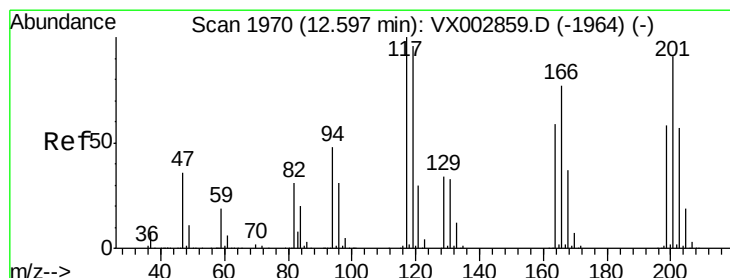
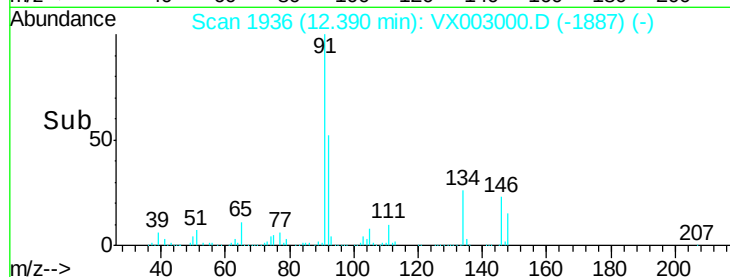
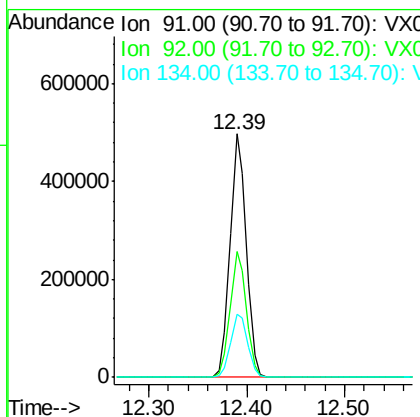
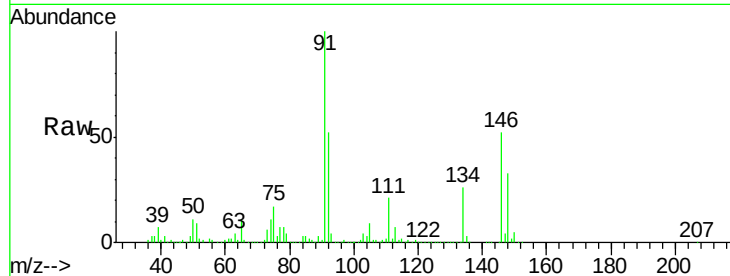
#89
n-Butylbenzene
Concen: 47.77 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	27.4	13.5	40.5

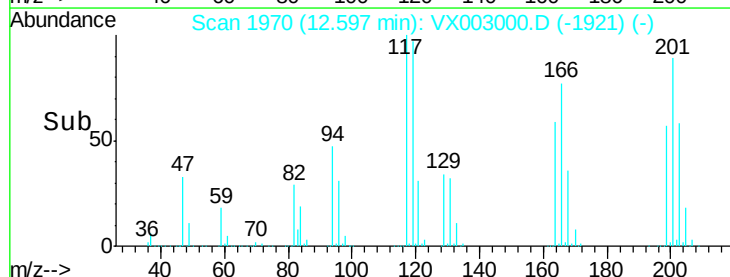
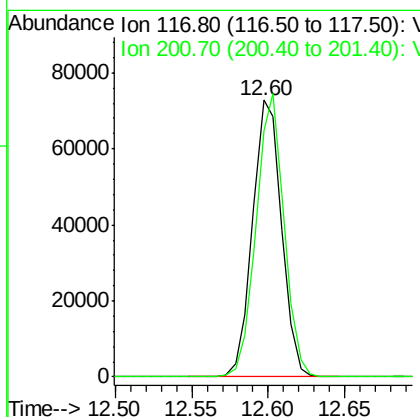
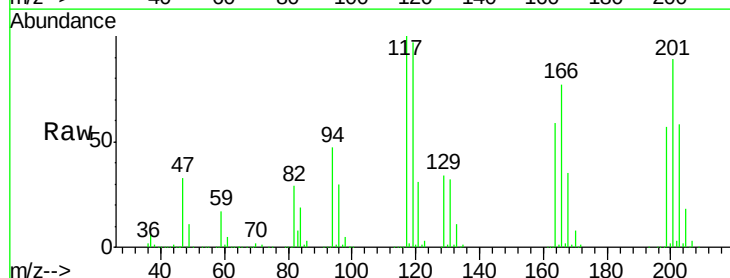
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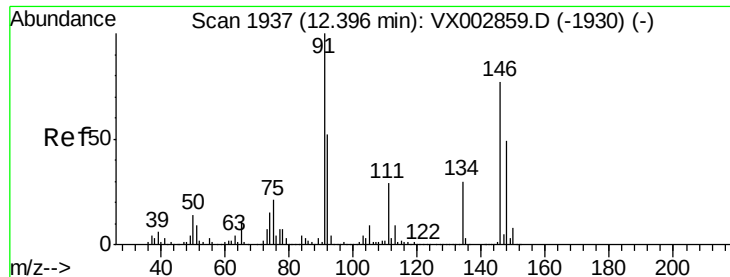
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#90
Hexachloroethane
Concen: 46.98 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003000.D
Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.2	49.0	147.0





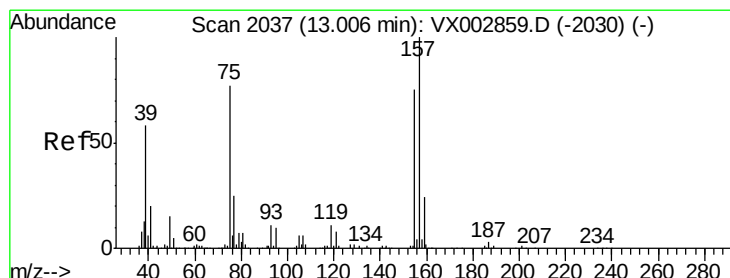
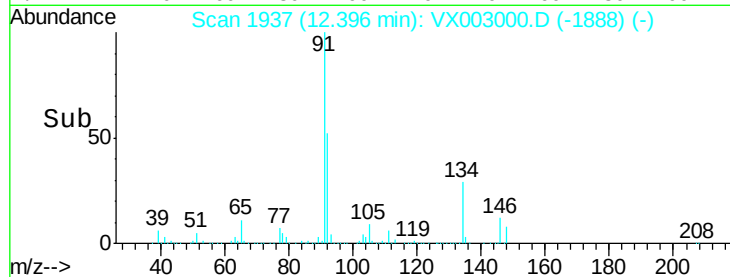
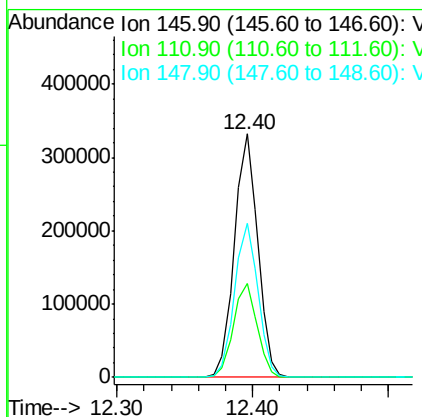
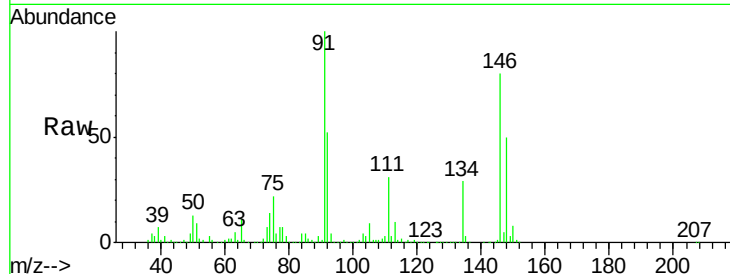
#91
 1,2-Dichlorobenzene
 Concen: 49.77 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	396292		
111	38.9	19.4	58.1	
148	63.7	31.7	95.1	

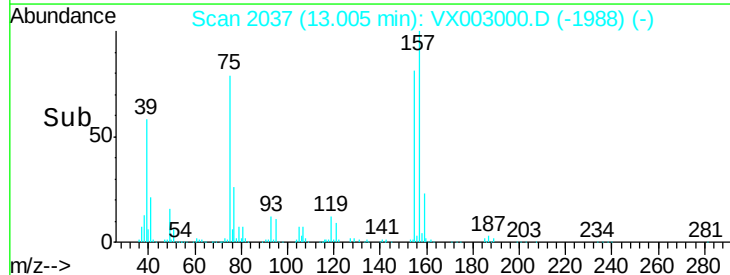
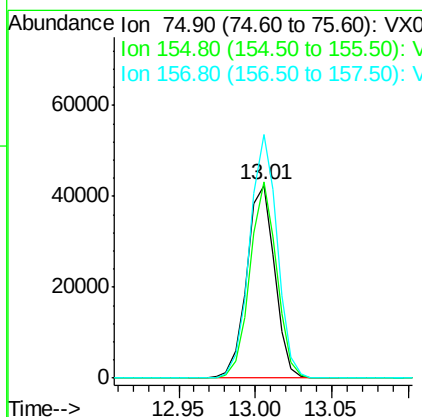
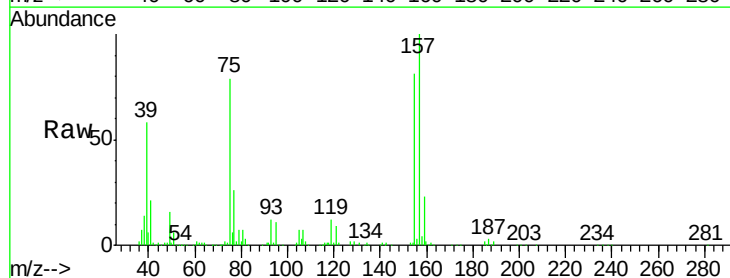
Manual Integrations
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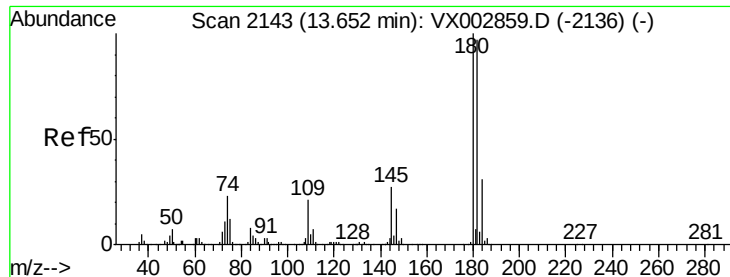
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.27 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53858		
155	97.1	45.8	137.4	
157	124.3	60.1	180.3	





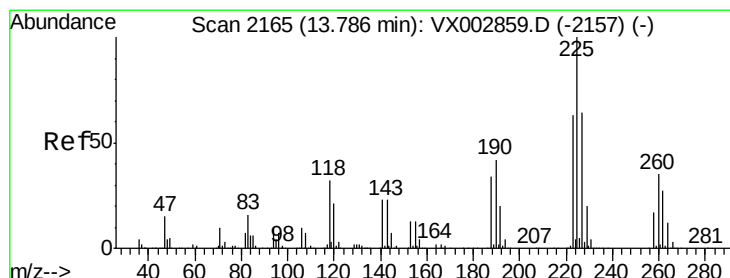
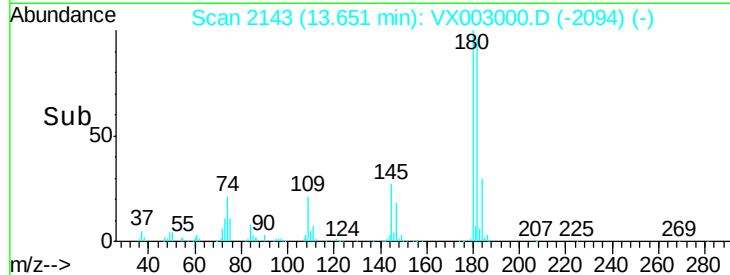
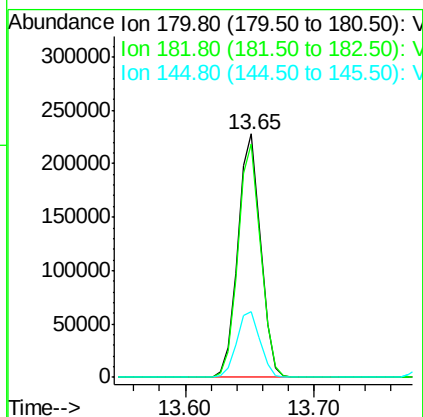
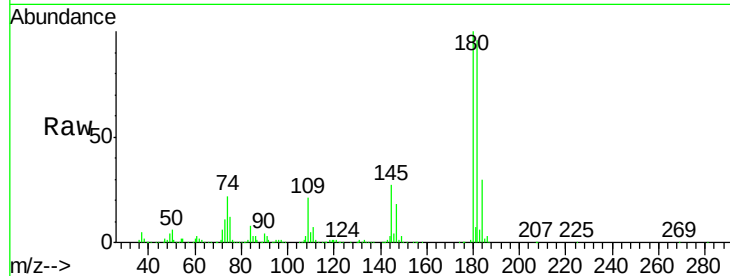
#93
 1,2,4-Trichlorobenzene
 Concen: 48.18 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	279216		
182	95.7	47.7	143.1	
145	27.9	14.1	42.4	

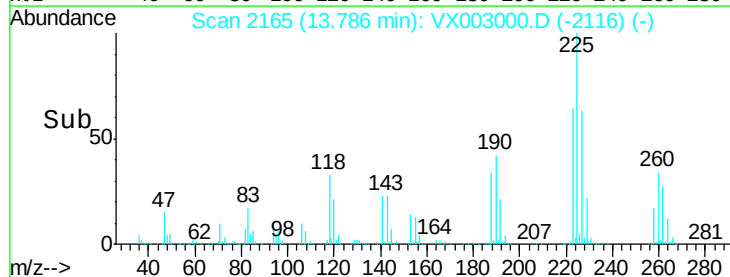
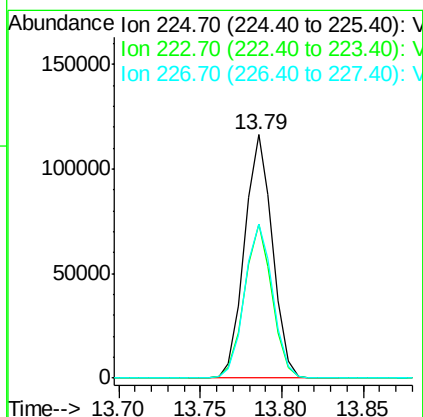
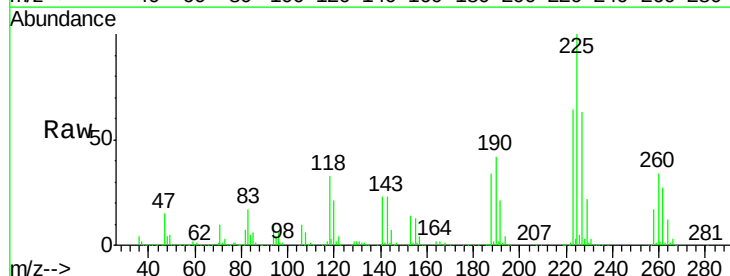
Manual Integrations
 APPROVED

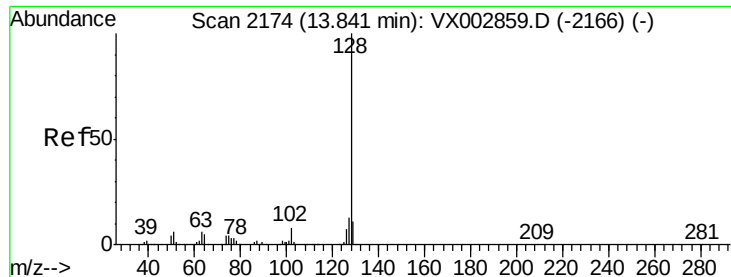
MMDadoda
 6/29/2018 12:22:46 PM



#94
 Hexachlorobutadiene
 Concen: 48.07 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003000.D
 Acq: 28 Jun 2018 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138934		
223	62.4	31.6	95.0	
227	63.8	32.4	97.2	





#95

Naphthalene

Concen: 54.03 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003000.D

Acq: 28 Jun 2018 21:53

Instrument :

MSVOA_X

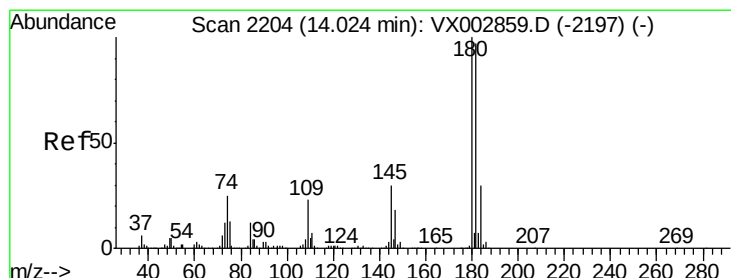
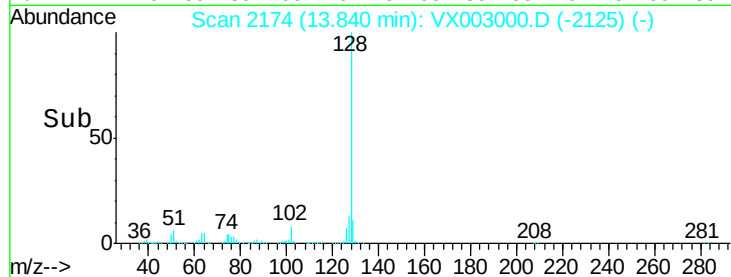
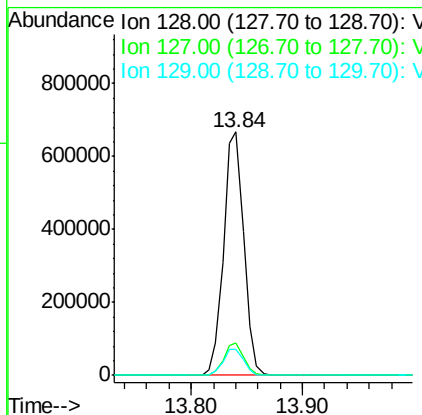
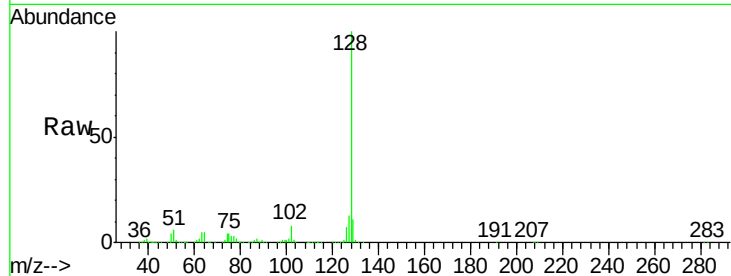
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	833965
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 12:22:46 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: VX003000.D

Acq: 28 Jun 2018 21:53

Tgt Ion:	180	Resp:	284735
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.0
145	29.2	14.8	44.3

