

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004237.D
 Acq On : 23 Aug 2018 19:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 11:36:16 AM

Quant Time: Aug 24 07:57:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	345225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	511577	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	283337	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	218940	48.66	ug/l	0.00
Spiked Amount						
			Recovery	=	97.32%	
35) Dibromofluoromethane	5.50	113	188742	49.59	ug/l	0.00
Spiked Amount						
			Recovery	=	99.18%	
50) Toluene-d8	8.71	98	709695	49.40	ug/l	0.00
Spiked Amount						
			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.14	95	270320	50.43	ug/l	0.00
Spiked Amount						
			Recovery	=	100.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	206150	51.56	ug/l	95
3) Chloromethane	1.32	50	210526	47.65	ug/l	100
4) Vinyl Chloride	1.40	62	221036	48.87	ug/l	100
5) Bromomethane	1.64	94	108007	48.38	ug/l	98
6) Chloroethane	1.72	64	143863	44.57	ug/l	98
7) Trichlorofluoromethane	1.92	101	306897	49.51	ug/l	97
8) Diethyl Ether	2.18	74	131948	49.71	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	186897	48.14	ug/l	100
10) Methyl Iodide	2.51	142	199238	45.86	ug/l	98
11) Tert butyl alcohol	3.07	59	211113	220.11	ug/l	100
12) 1,1-Dichloroethene	2.37	96	177487	48.53	ug/l	99
13) Acrolein	2.29	56	51610	223.19	ug/l	98
14) Allyl chloride	2.72	41	316149	47.05	ug/l	99
15) Acrylonitrile	3.15	53	550777	231.87	ug/l	99
16) Acetone	2.45	43	431417	234.37	ug/l	98
17) Carbon Disulfide	2.57	76	482035	47.50	ug/l	98
18) Methyl Acetate	2.78	43	328474	49.19	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	605952	50.28	ug/l	98
20) Methylene Chloride	2.86	84	199176	45.98	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	191499	47.31	ug/l	95
22) Diisopropyl ether	3.87	45	597680	47.64	ug/l	98
23) Vinyl Acetate	3.82	43	2422636	238.25	ug/l	99
24) 1,1-Dichloroethane	3.69	63	339259	46.40	ug/l	99
25) 2-Butanone	4.70	43	700602	232.17	ug/l	99
26) 2,2-Dichloropropane	4.58	77	232120	40.48	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	218834	47.66	ug/l	97
28) Bromochloromethane	5.01	49	158495	48.96	ug/l	97
29) Tetrahydrofuran	5.16	42	450309	232.93	ug/l	98
30) Chloroform	5.21	83	349735	47.71	ug/l	96
31) Cyclohexane	5.57	56	313487	49.69	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	300712	49.19	ug/l	99
36) 1,1-Dichloropropene	5.79	75	267198	46.46	ug/l	98
37) Ethyl Acetate	4.86	43	261424	46.22	ug/l	99
38) Carbon Tetrachloride	5.78	117	259695	48.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	321721	49.00	ug/l	97
40) Benzene	6.14	78	818947	47.65	ug/l	100
41) Methacrylonitrile	5.06	41	154957	47.26	ug/l	99
42) 1,2-Dichloroethane	6.20	62	275212	46.95	ug/l	100
43) Isopropyl Acetate	6.46	43	428094	49.25	ug/l	99
44) Trichloroethene	7.21	130	223968	47.08	ug/l	99
45) 1,2-Dichloropropane	7.52	63	206783	48.08	ug/l	99
46) Dibromomethane	7.67	93	135465	47.30	ug/l	99
47) Bromodichloromethane	7.90	83	258483	48.51	ug/l	99
48) Methyl methacrylate	7.78	41	226644	48.73	ug/l	98
49) 1,4-Dioxane	7.76	88	89139	844.20	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1422657	225.28	ug/l	99
52) Toluene	8.79	92	525604	48.86	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	288442	49.01	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	315939	49.28	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	208682	48.06	ug/l	99
56) Ethyl methacrylate	9.18	69	312241	52.82	ug/l	98
57) 1,3-Dichloropropane	9.37	76	351104	47.97	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792197	261.54	ug/l	100
59) 2-Hexanone	9.50	43	1082166	224.62	ug/l	99
60) Dibromochloromethane	9.59	129	211416	49.97	ug/l	100
61) 1,2-Dibromoethane	9.68	107	219605	48.87	ug/l	99
64) Tetrachloroethene	9.34	164	212299	47.01	ug/l	99
65) Chlorobenzene	10.14	112	557434	48.59	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	190924	48.25	ug/l	96
67) Ethyl Benzene	10.25	91	968594	51.98	ug/l	94
68) m/p-Xylenes	10.36	106	722965	99.23	ug/l	99
69) o-Xylene	10.70	106	363813	52.79	ug/l	98
70) Styrene	10.71	104	579899	51.97	ug/l	99
71) Bromoform	10.86	173	162030	50.80	ug/l	99
73) Isopropylbenzene	11.02	105	1011905	54.38	ug/l	99
74) N-amyl acetate	10.90	43	384947	53.73	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	322141	49.47	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	287246m	49.85	ug/l	
77) Bromobenzene	11.26	156	269654	51.66	ug/l	100
78) n-propylbenzene	11.36	91	1160070	54.20	ug/l	100
79) 2-Chlorotoluene	11.42	91	680312	51.64	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	841440	54.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	90702	51.07	ug/l	97
82) 4-Chlorotoluene	11.51	91	801008	51.67	ug/l	99
83) tert-Butylbenzene	11.77	119	839493	54.14	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	871022	55.06	ug/l	100
85) sec-Butylbenzene	11.94	105	998196	54.22	ug/l	99
86) p-Isopropyltoluene	12.07	119	900440	54.58	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	485380	49.39	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	497780	48.04	ug/l	100
89) n-Butylbenzene	12.39	91	674325	50.27	ug/l	99
90) Hexachloroethane	12.60	117	121361	52.63	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	452230	50.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	58288	50.82	ug/l	97

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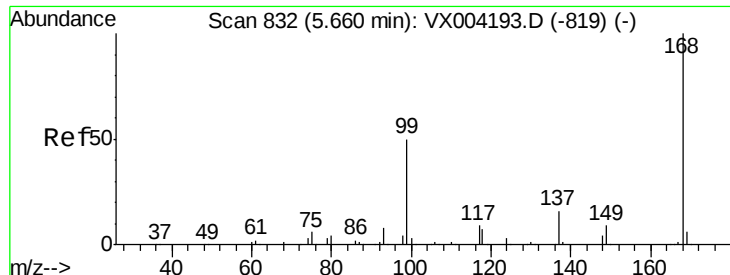
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	343209	52.51	ug/l	97
94) Hexachlorobutadiene	13.79	225	151884	49.95	ug/l	96
95) Naphthalene	13.83	128	1054411	57.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	361094	52.19	ug/l	99

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



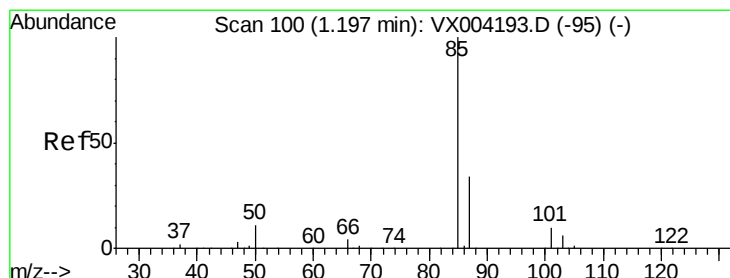
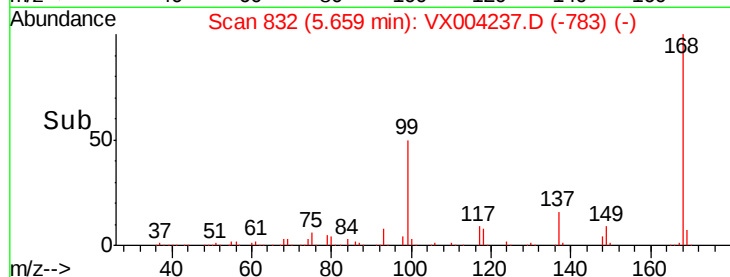
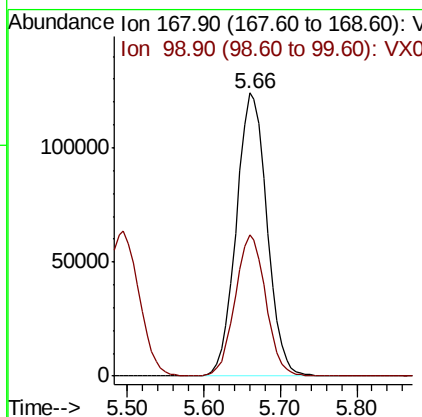
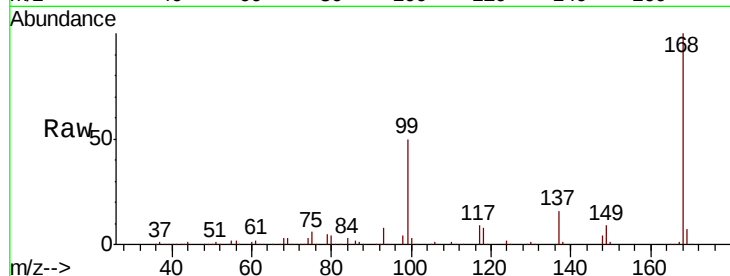
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.0	39.9	59.9

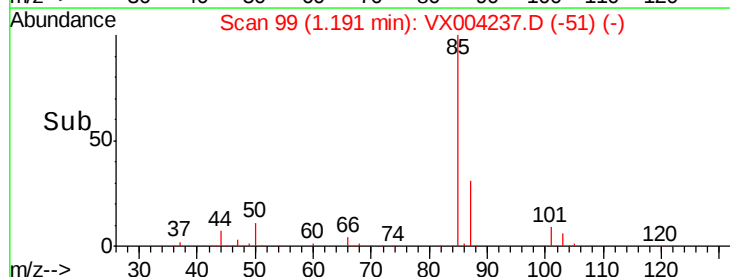
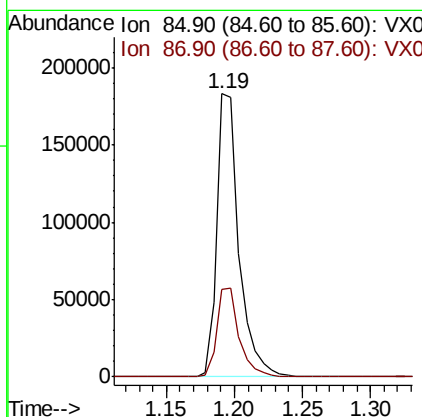
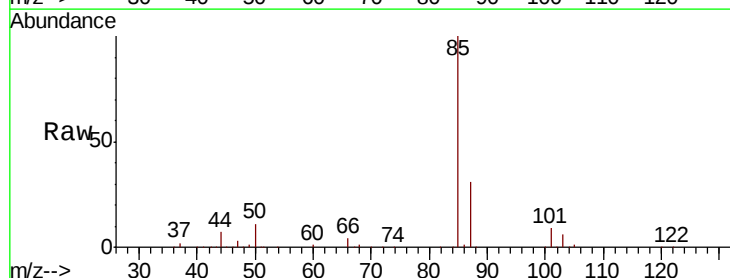
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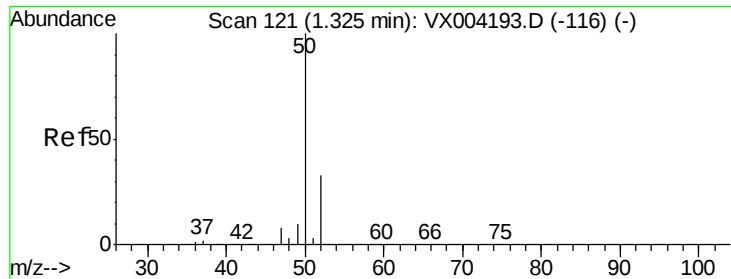
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#2
Dichlorodifluoromethane
Concen: 51.56 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	17.0	50.9





#3

Chloromethane

Concen: 47.65 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 210526

Ion Ratio Lower Upper

50 100

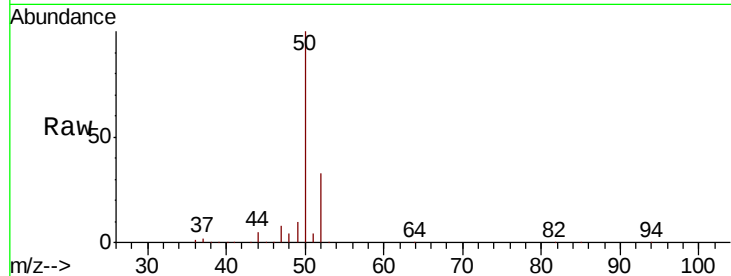
52 32.5 26.2 39.2

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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

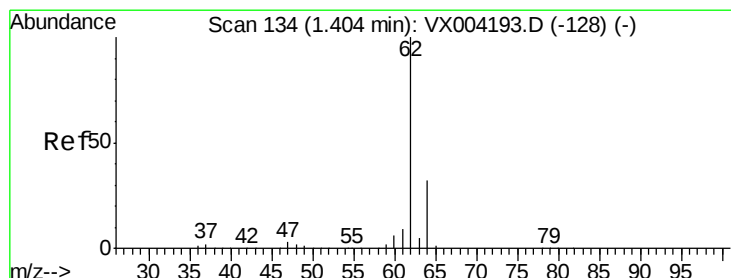
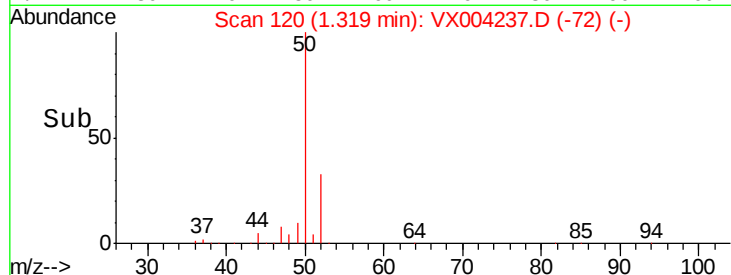
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.87 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004237.D

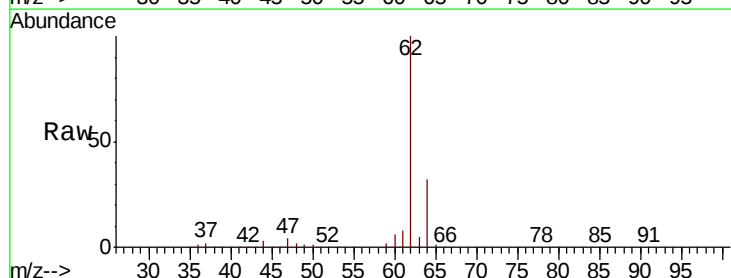
Acq: 23 Aug 2018 19:53

Tgt Ion: 62 Resp: 221036

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

250000

200000

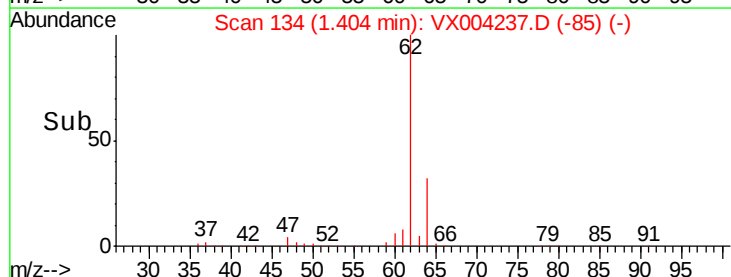
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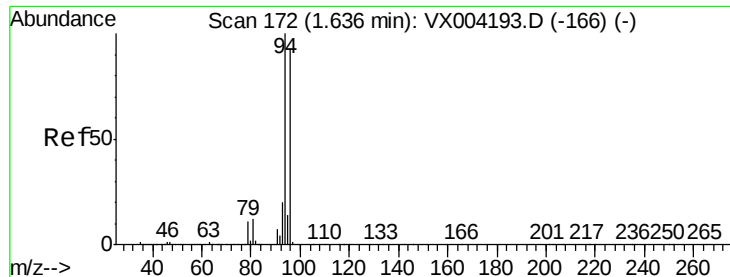
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.38 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 108007

Ion Ratio Lower Upper

94 100

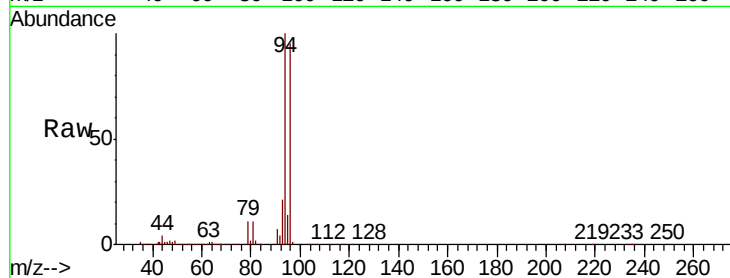
96 94.9 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

40000

20000

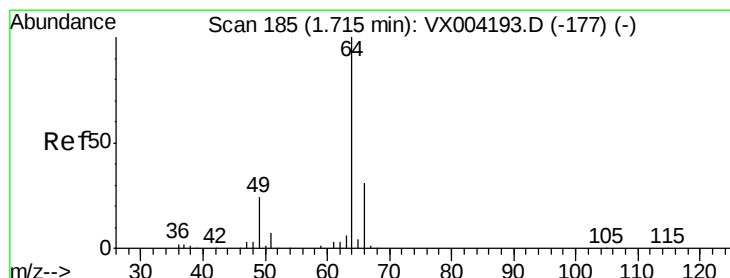
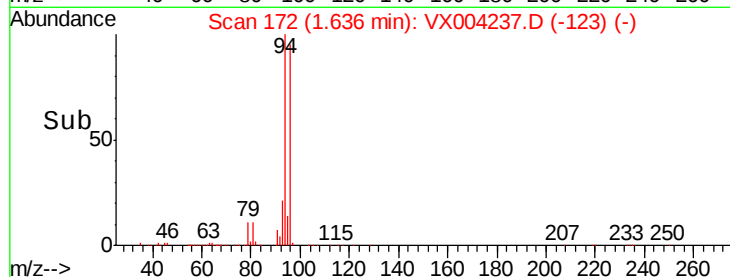
0

1.64

1.60

1.70

Time-->



#6

Chloroethane

Concen: 44.57 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004237.D

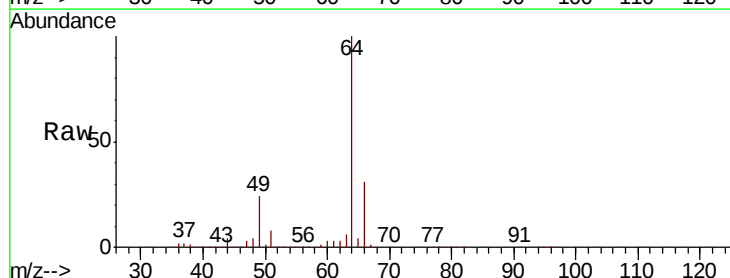
Acq: 23 Aug 2018 19:53

Tgt Ion: 64 Resp: 143863

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120000

100000

80000

60000

40000

20000

0

1.72

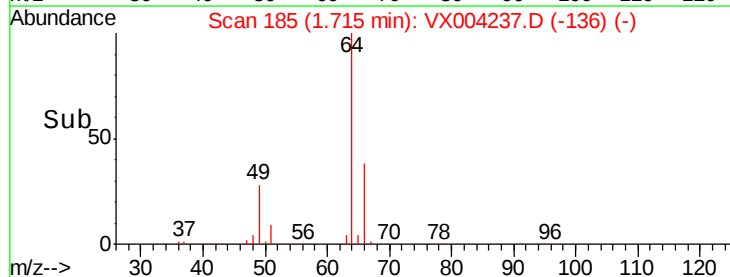
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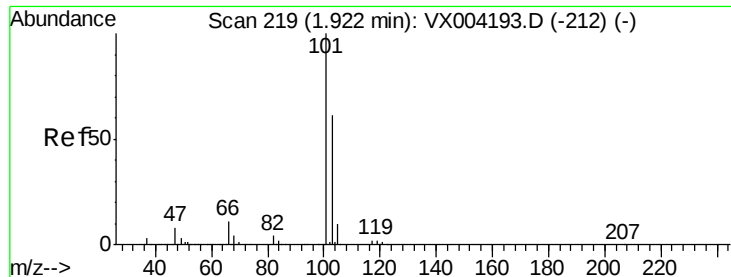
1.75

1.80

1.85

Time-->





#7

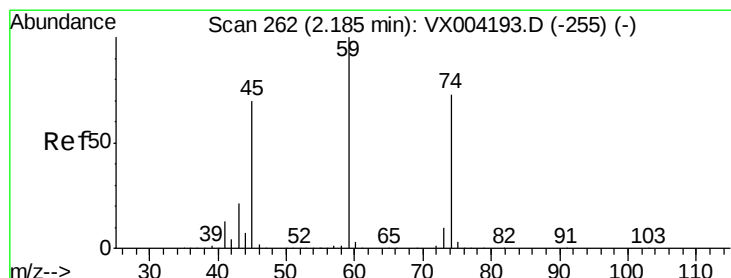
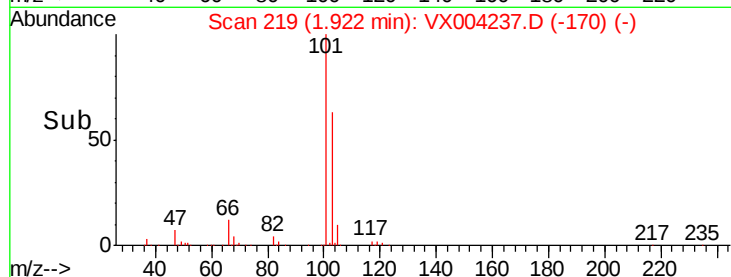
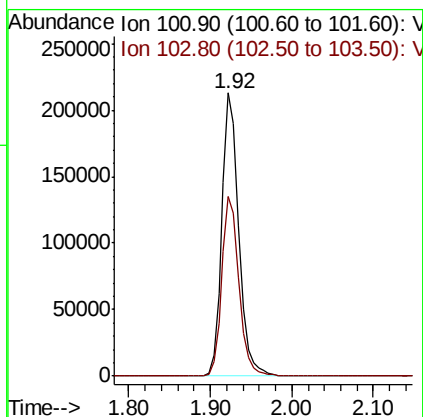
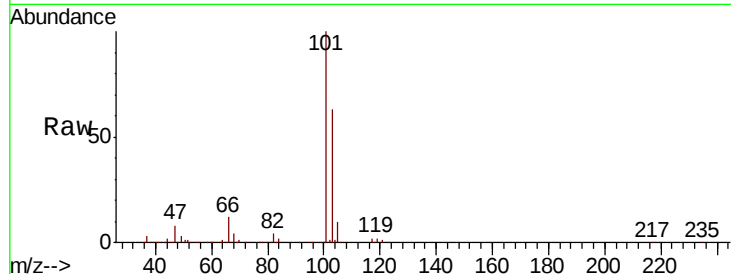
Trichlorofluoromethane
Concen: 49.51 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	306897		
103	63.3	48.9	73.3	

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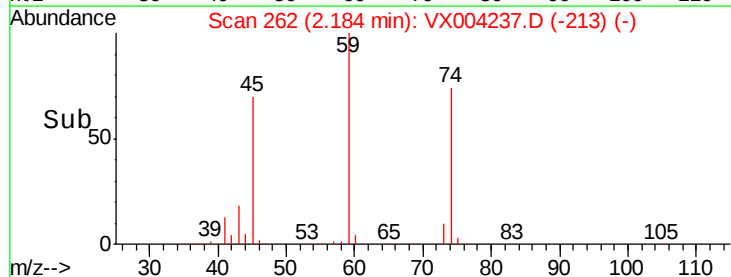
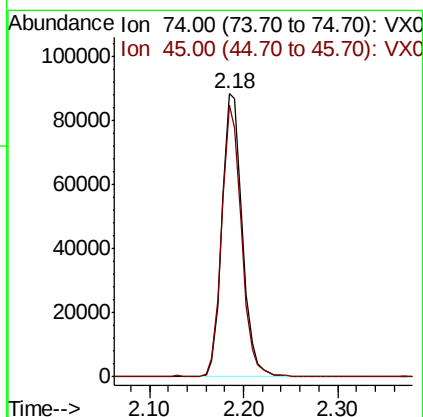
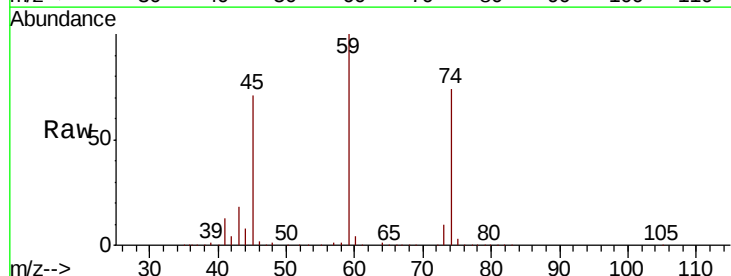
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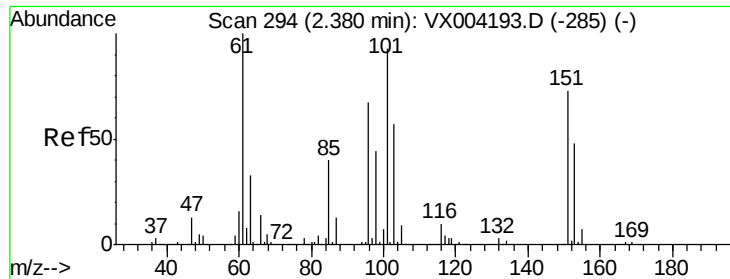


#8

Diethyl Ether
Concen: 49.71 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	131948		
45	93.2	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.14 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

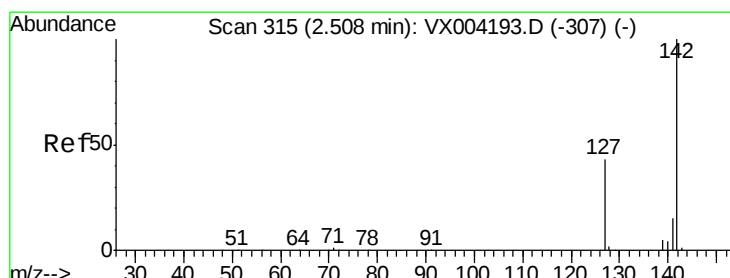
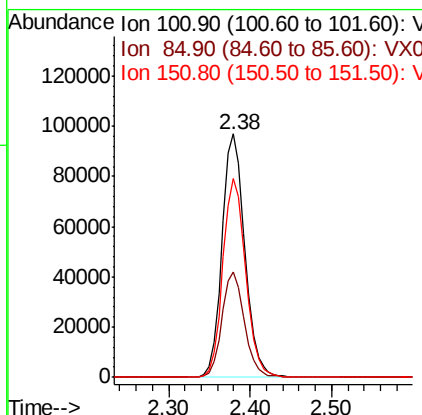
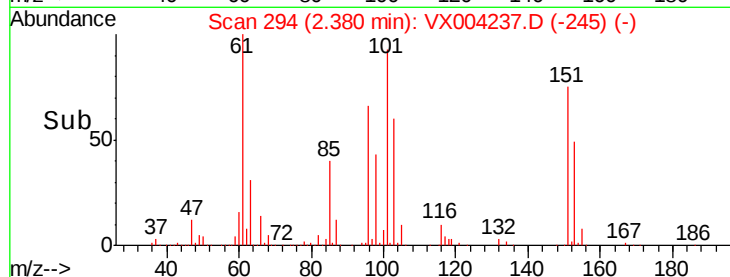
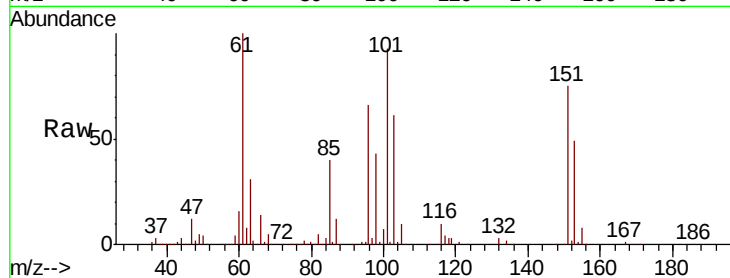
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	186897
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.8	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 45.86 ug/l

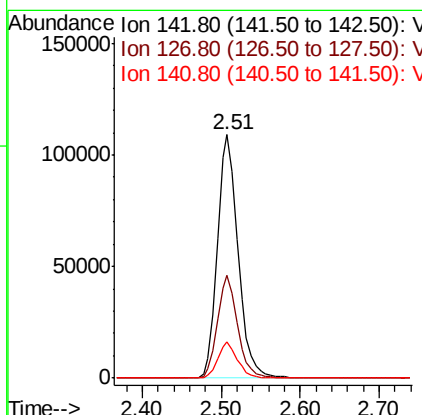
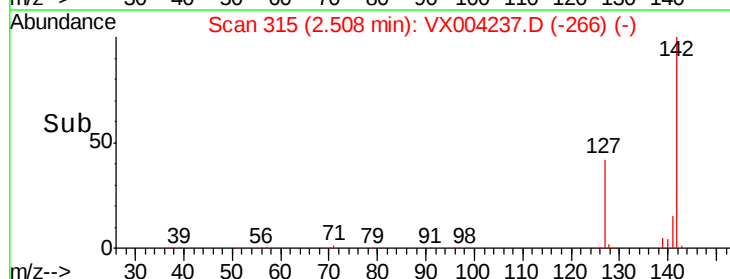
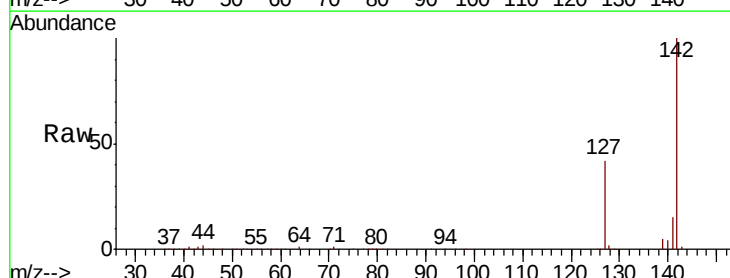
RT: 2.51 min Scan# 315

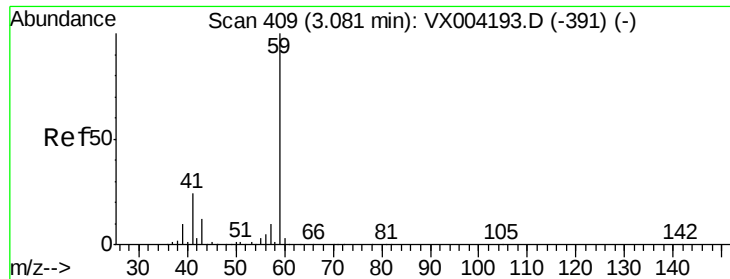
Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion:	142	Resp:	199238
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.8	50.6
141	14.2	11.4	17.0





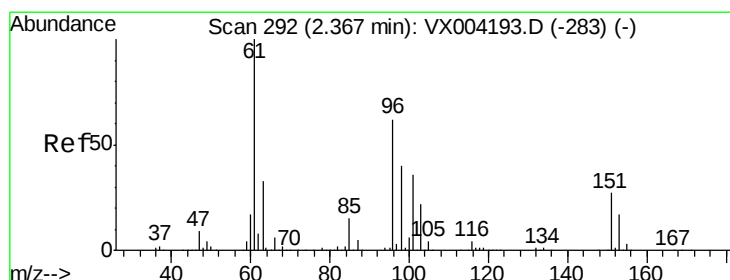
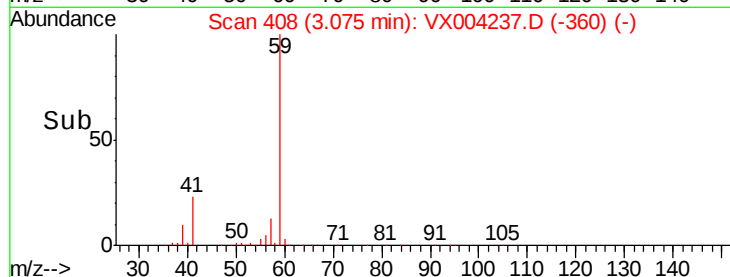
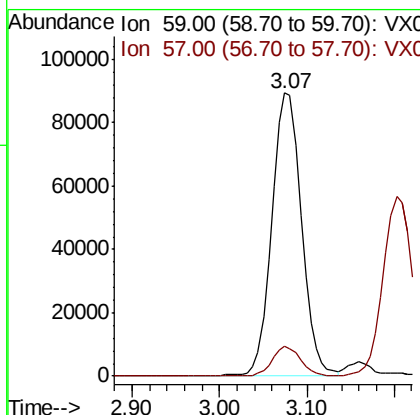
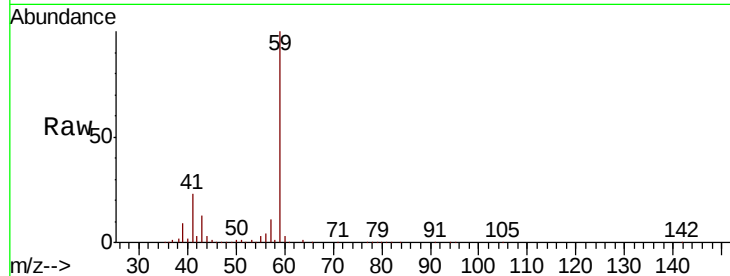
#11
Tert butyl alcohol
Concen: 220.11 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	211113
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.4

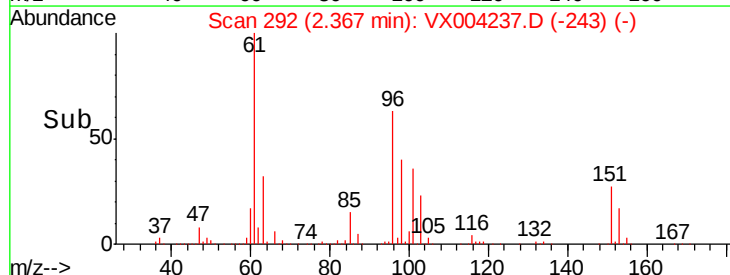
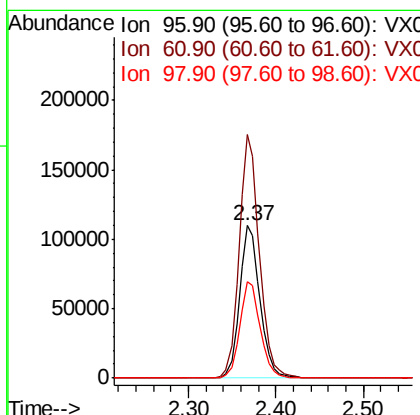
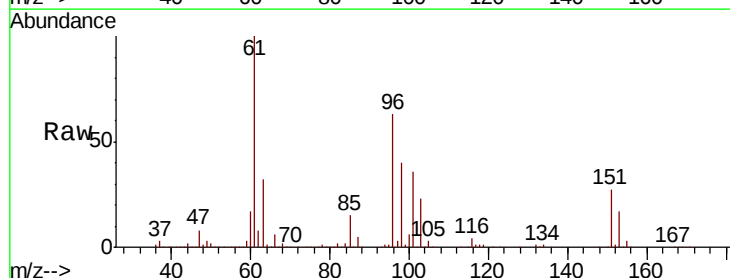
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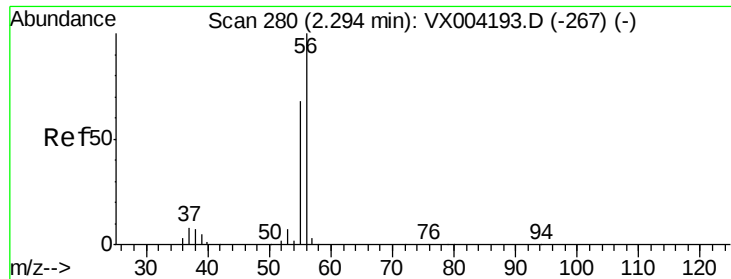
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#12
1,1-Dichloroethene
Concen: 48.53 ug/l
RT: 2.37 min Scan# 292
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	96	Resp	177487
Ion Ratio	100	Lower	Upper
61	159.7	128.8	193.2
98	63.7	52.2	78.2





#13

Acrolein

Concen: 223.19 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 51610

Ion Ratio Lower Upper

56 100

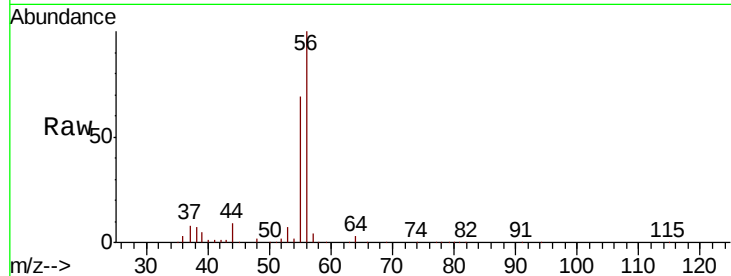
55 70.2 54.7 82.1

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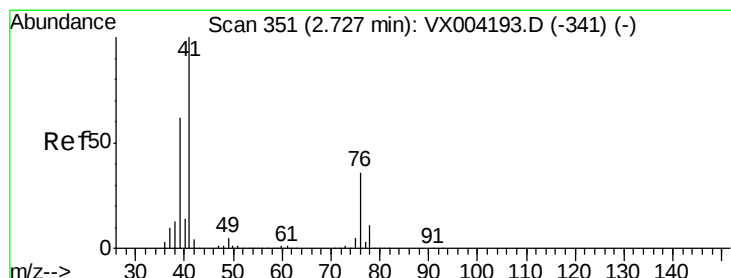
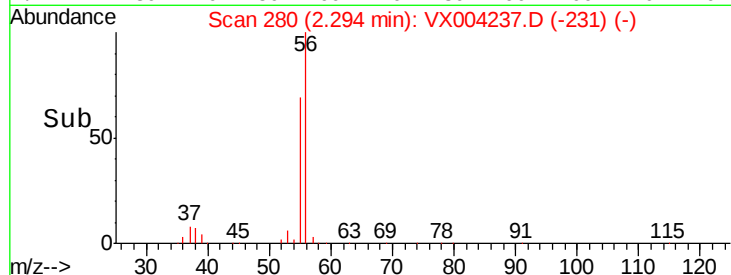
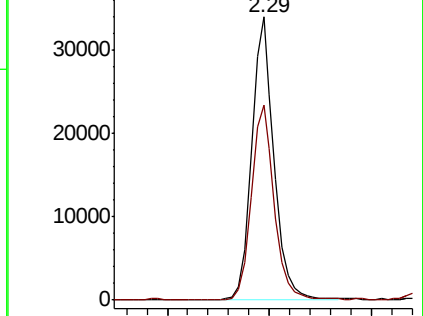
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 47.05 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

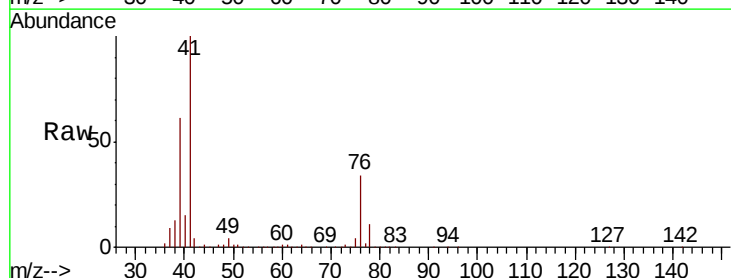
Tgt Ion: 41 Resp: 316149

Ion Ratio Lower Upper

41 100

39 61.0 48.9 73.3

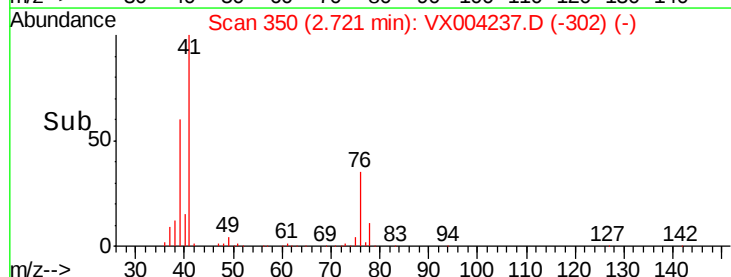
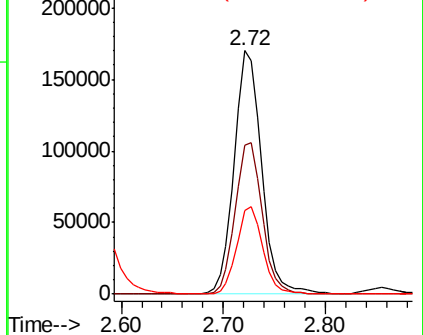
76 34.2 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 231.87 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

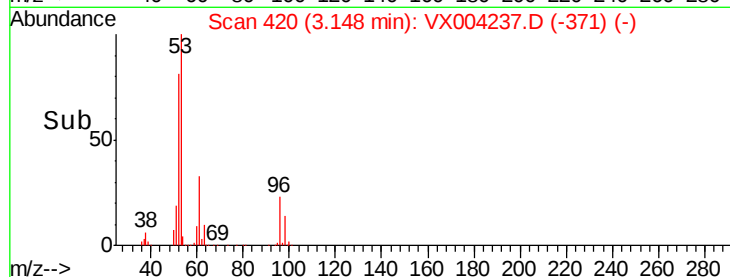
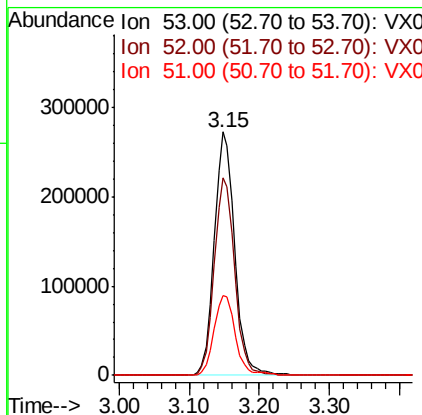
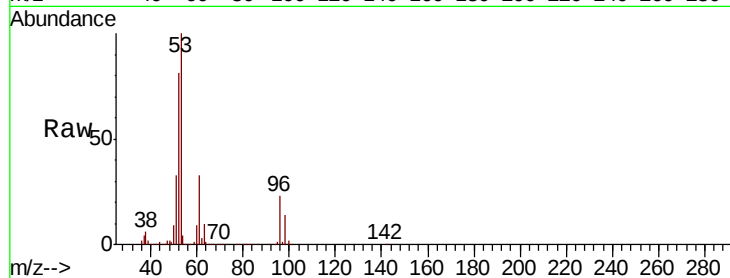
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	550777
Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.2	97.8
51	34.4	28.2	42.2

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#16

Acetone

Concen: 234.37 ug/l

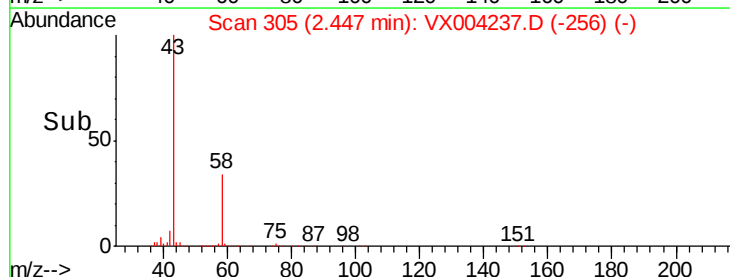
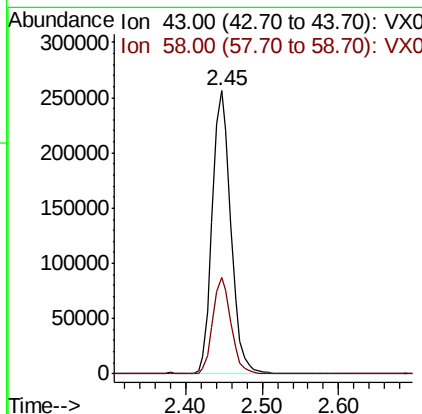
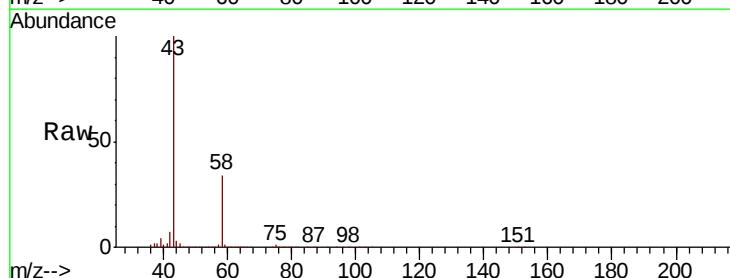
RT: 2.45 min Scan# 305

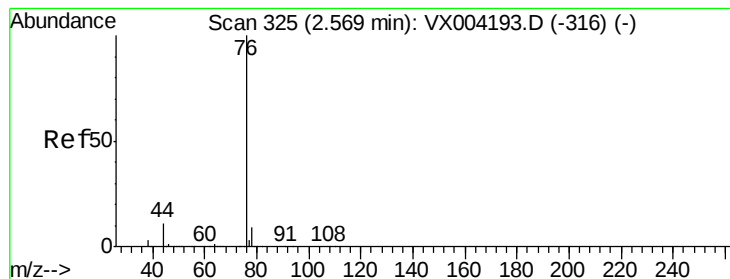
Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion:	43	Resp:	431417
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.2	39.4





#17

Carbon Disulfide

Concen: 47.50 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tot Ion: 76 Resp: 482035

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

Instrument :

MSVOA_X

ClientSampleId :

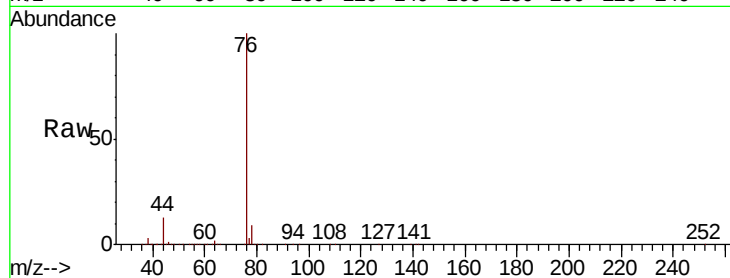
VSTDCCC050EC

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300000

250000

200000

150000

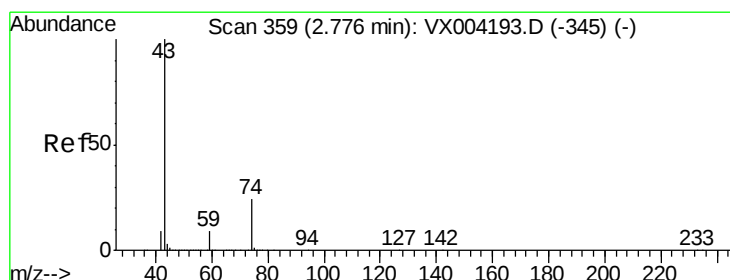
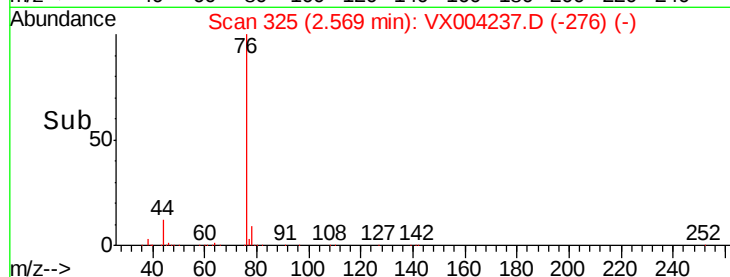
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 49.19 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX004237.D

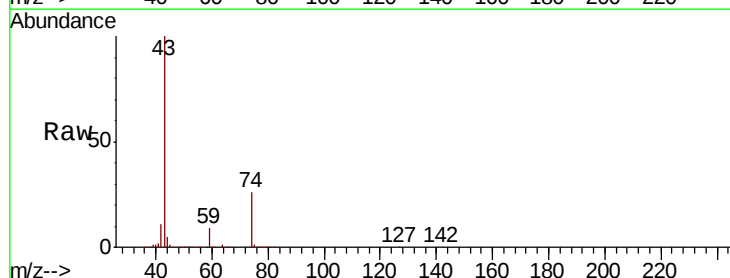
Acq: 23 Aug 2018 19:53

Tgt Ion: 43 Resp: 328474

Ion Ratio Lower Upper

43 100

74 24.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

150000

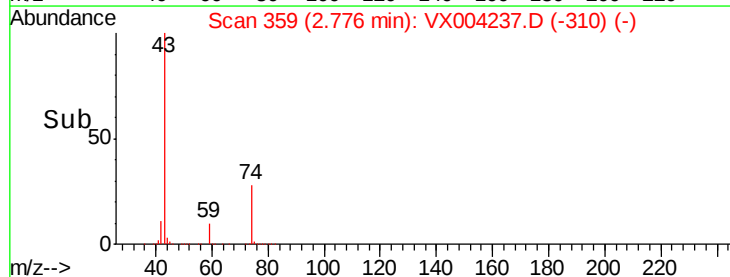
100000

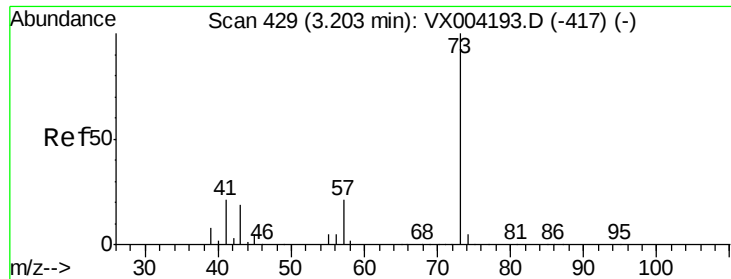
50000

0

2.70 2.75 2.80 2.85 2.90

Time-->





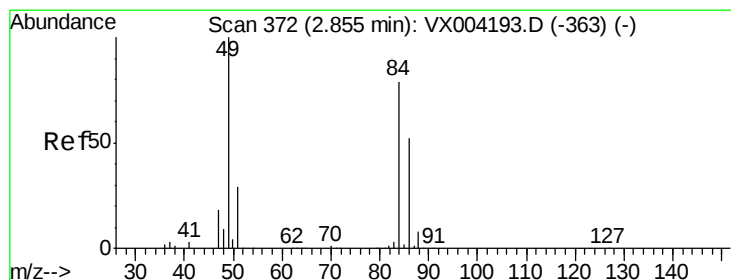
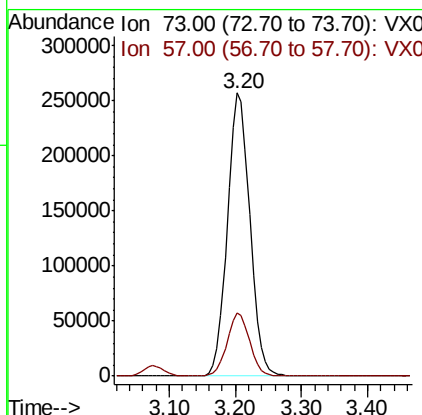
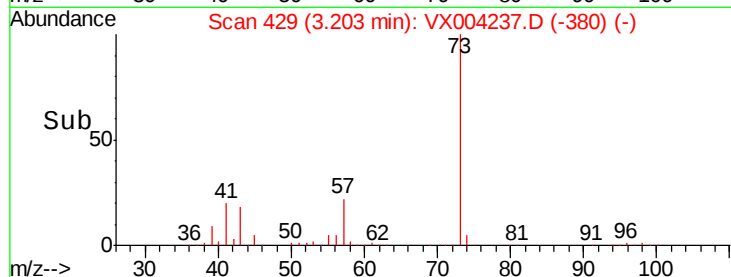
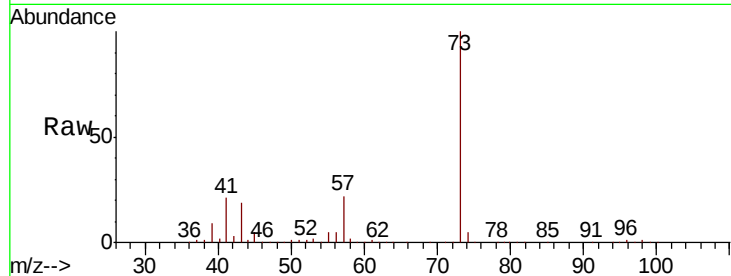
#19
Methyl tert-butyl Ether
Concen: 50.28 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.1	25.7

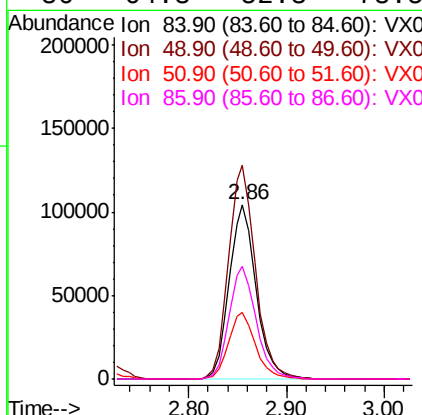
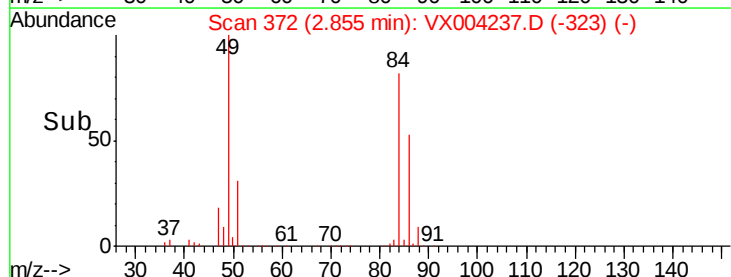
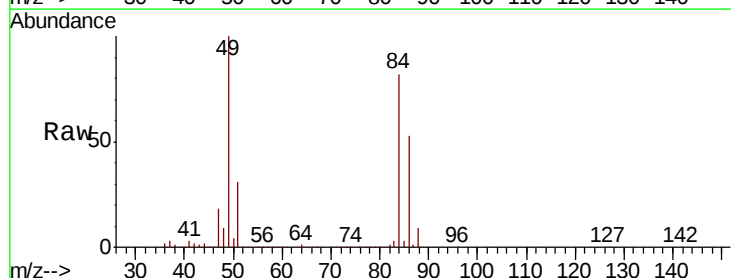
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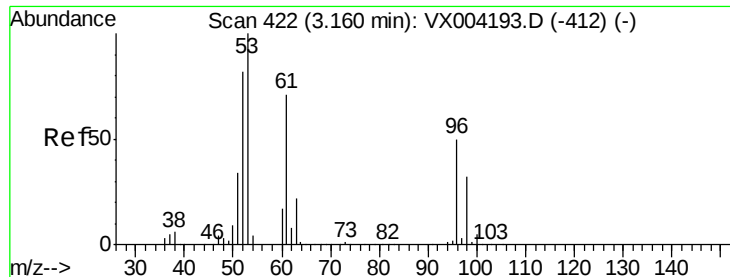
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#20
Methylene Chloride
Concen: 45.98 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	101.2	151.8
51	37.8	29.5	44.3
86	64.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 47.31 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 191499

Ion Ratio Lower Upper

96 100

61 134.9 113.8 170.6

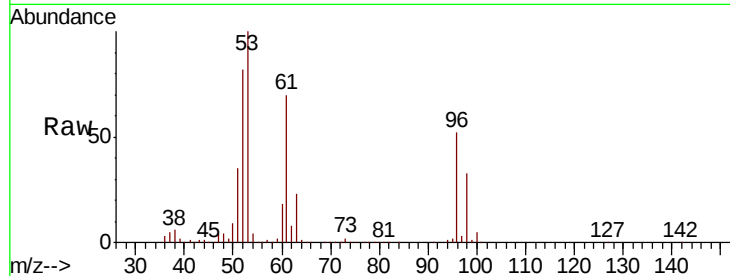
98 62.8 51.8 77.8

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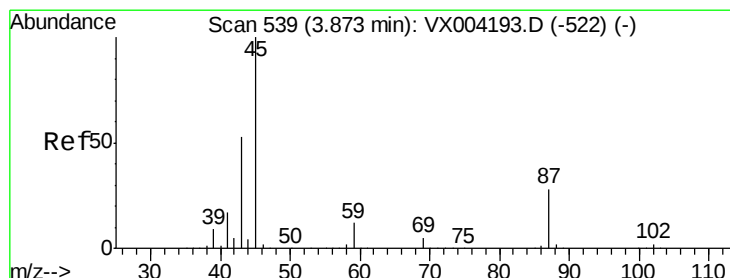
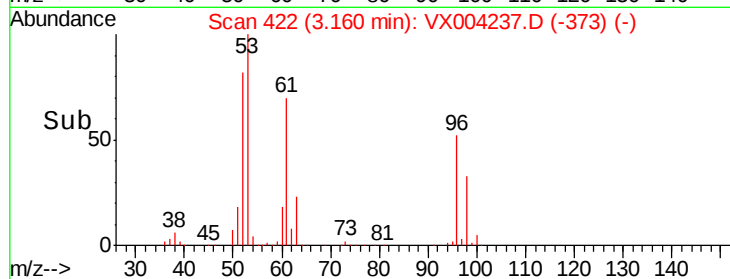
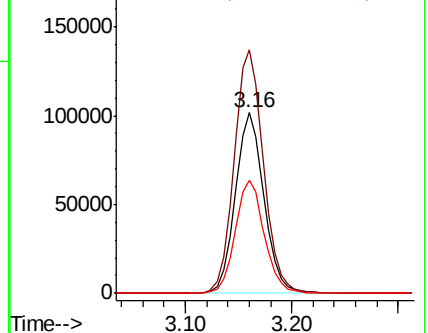
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.64 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion: 45 Resp: 597680

Ion Ratio Lower Upper

45 100

43 54.9 42.8 64.2

87 29.7 22.6 34.0

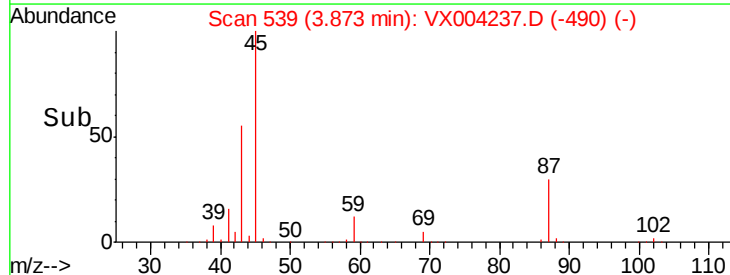
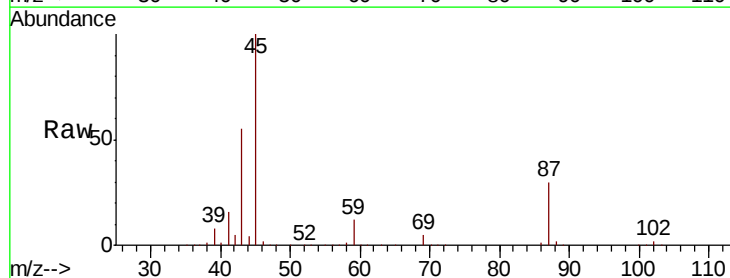
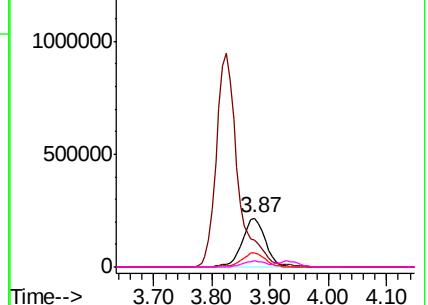
59 12.3 9.6 14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





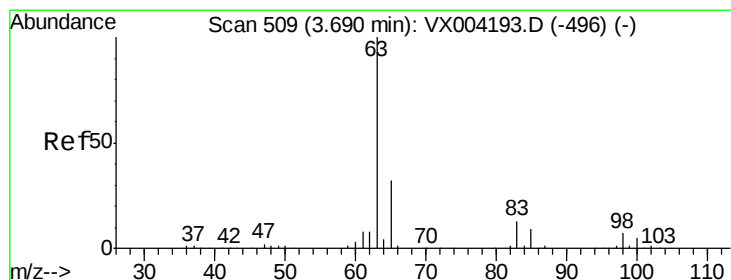
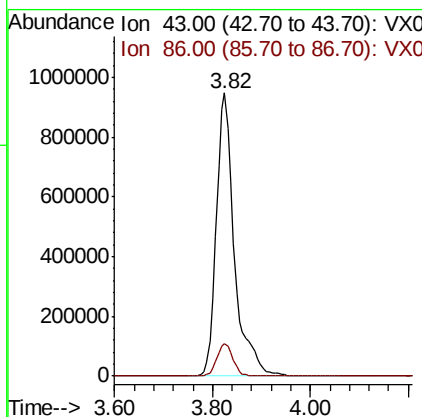
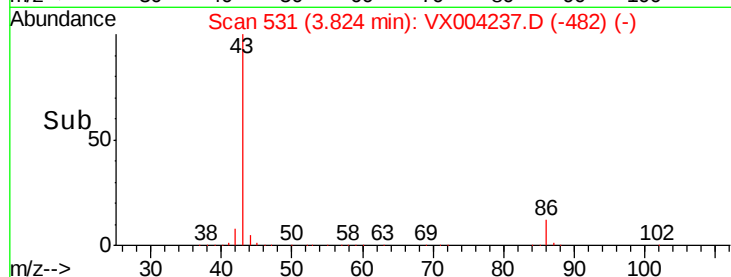
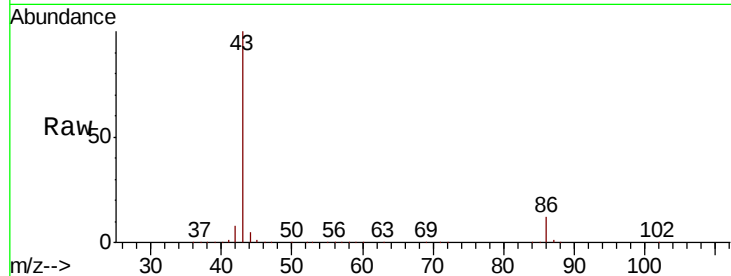
#23
 Vinyl Acetate
 Concen: 238.25 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2422636
 Ion Ratio Lower Upper
 43 100
 86 11.6 8.9 13.3

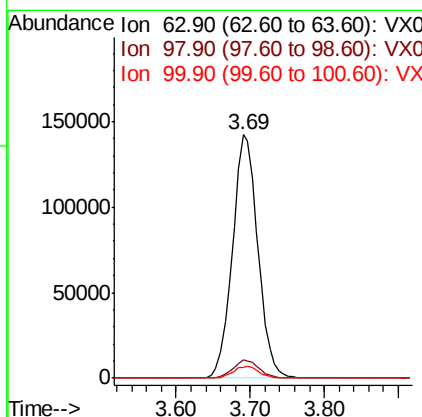
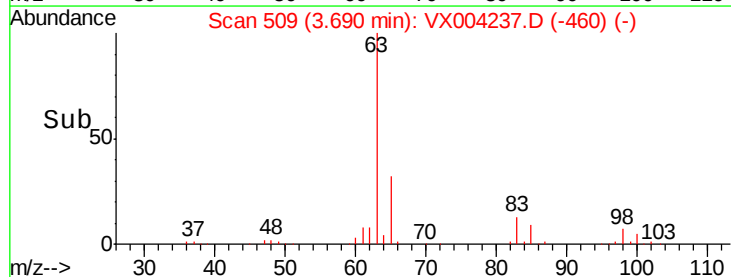
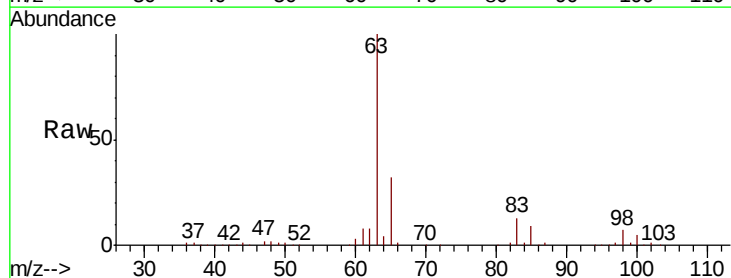
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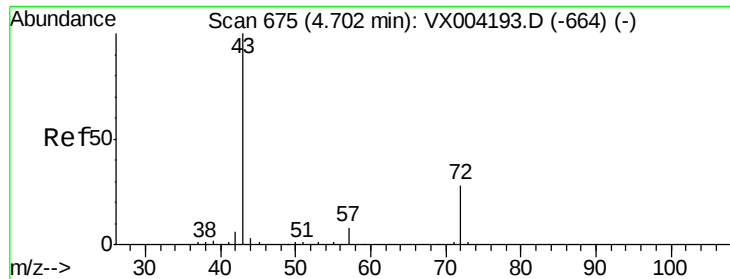
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 46.40 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion: 63 Resp: 339259
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.4
 100 4.5 2.4 7.1





#25

2-Butanone

Concen: 232.17 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 700602

Ion Ratio Lower Upper

43 100

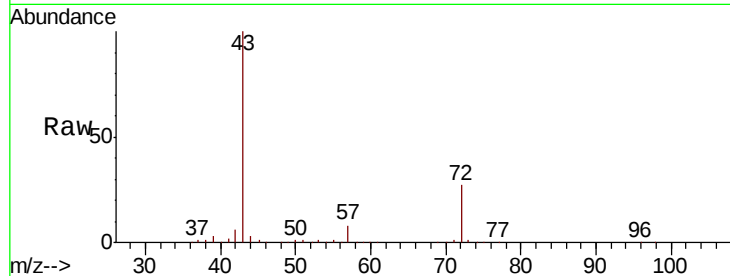
72 27.1 22.0 33.0

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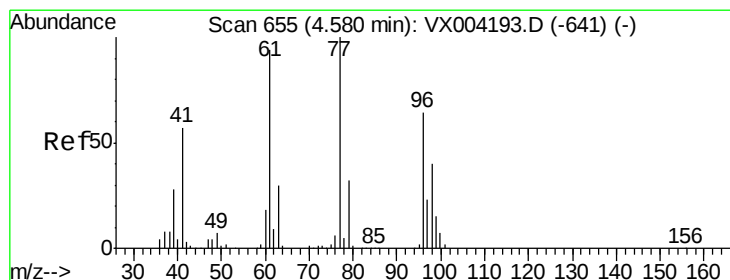
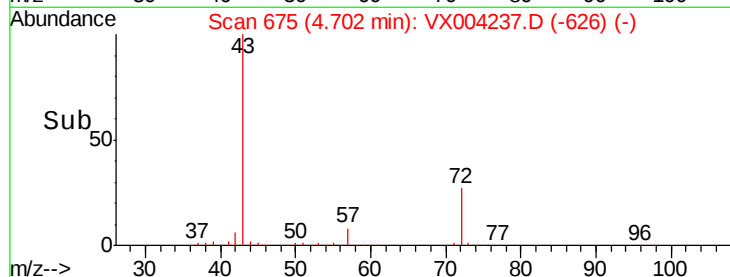
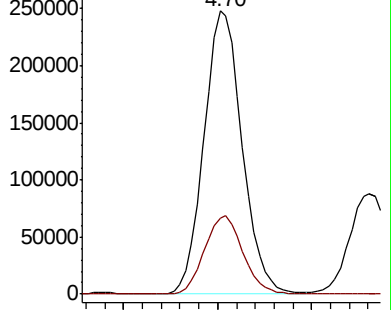
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 40.48 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX004237.D

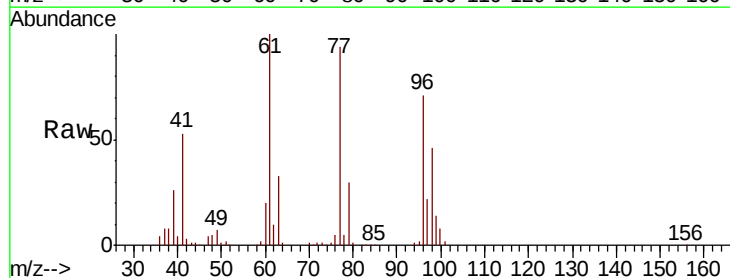
Acq: 23 Aug 2018 19:53

Tgt Ion: 77 Resp: 232120

Ion Ratio Lower Upper

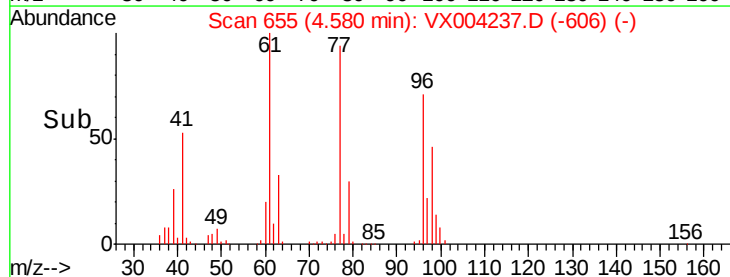
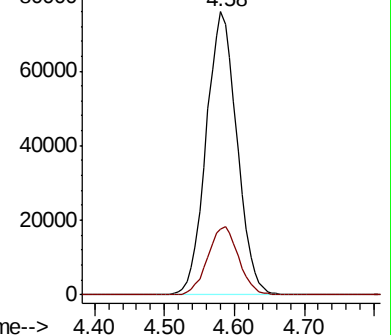
77 100

97 24.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

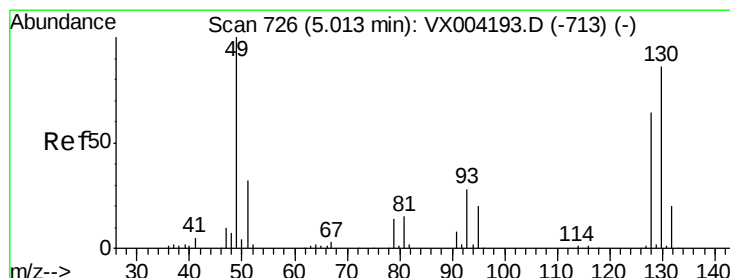
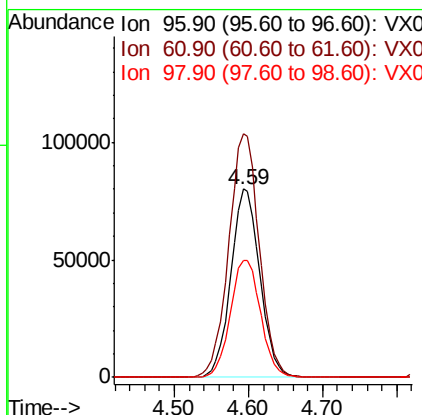
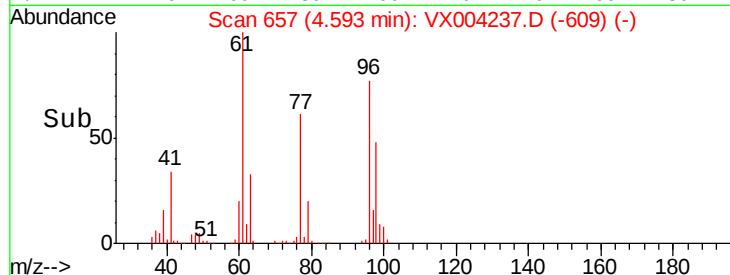
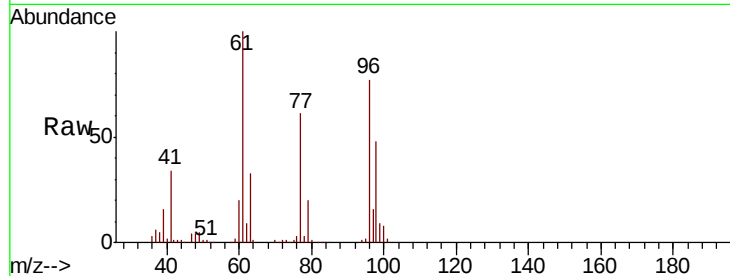
cis-1,2-Dichloroethene
 Concen: 47.66 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	218834		
61	136.4	0.0	282.6	
98	64.7	0.0	130.2	

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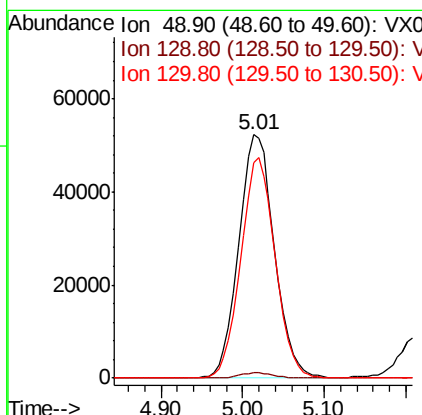
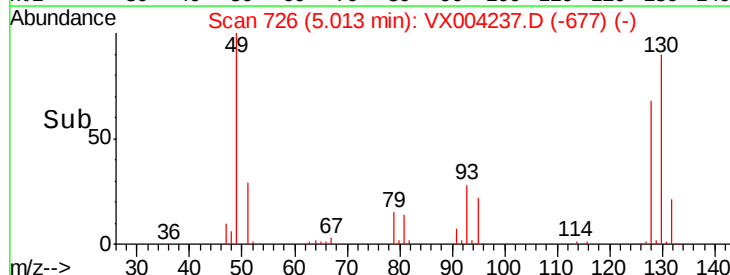
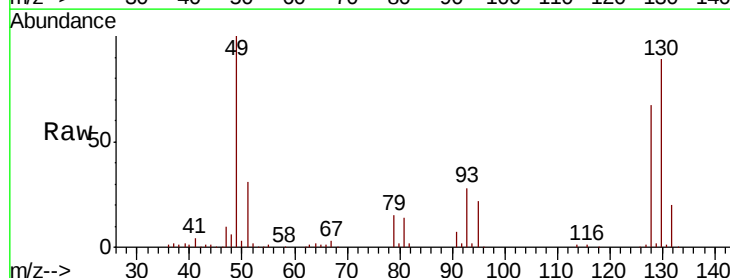
MMDadoda
 8/24/2018 11:36:16 AM

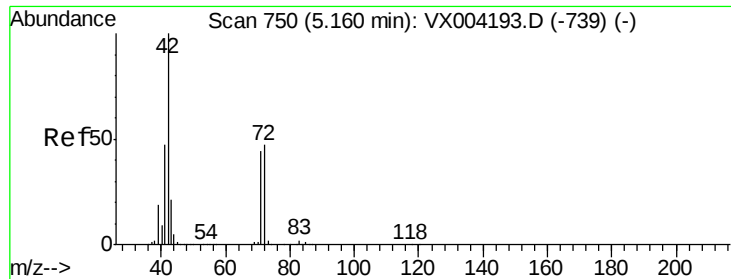


#28

Bromochloromethane
 Concen: 48.96 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158495		
129	2.1	0.0	4.2	
130	87.5	67.5	101.3	





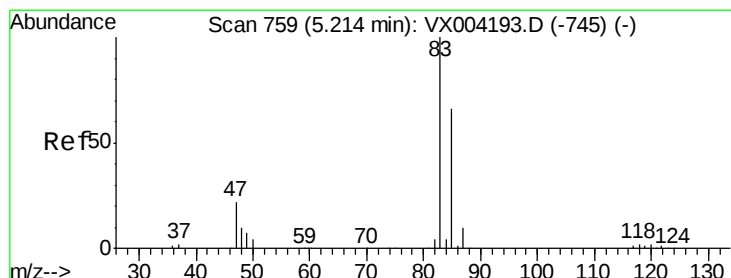
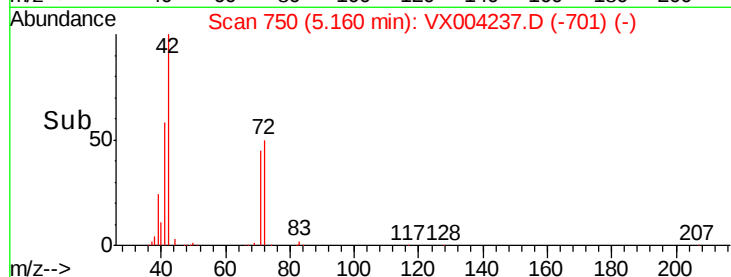
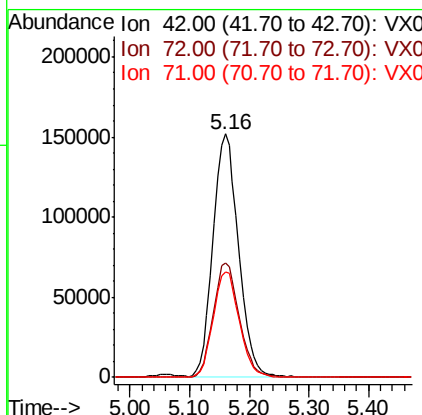
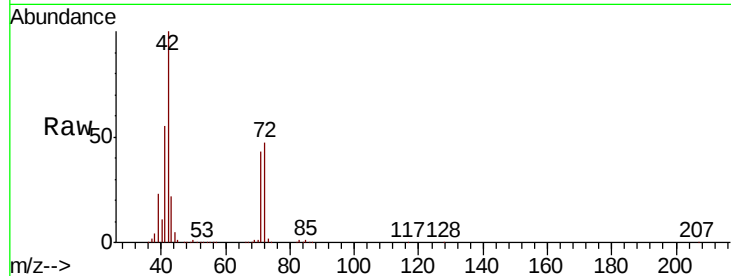
#29
Tetrahydrofuran
Concen: 232.93 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.4	56.0
71	44.3	34.5	51.7

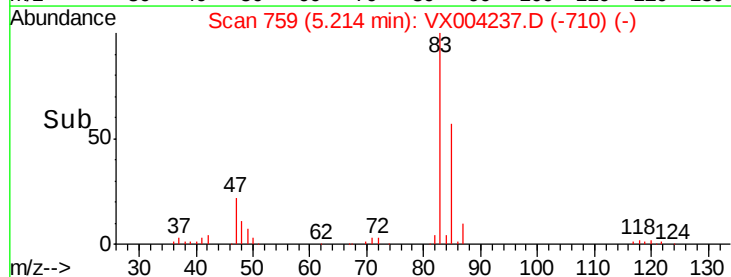
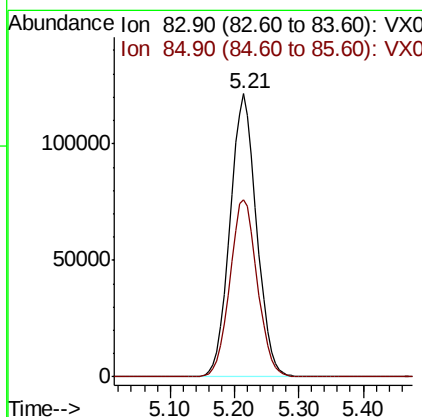
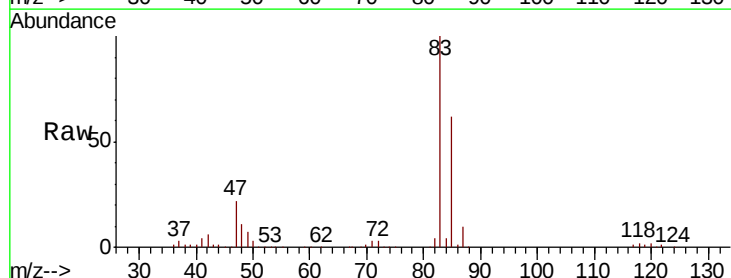
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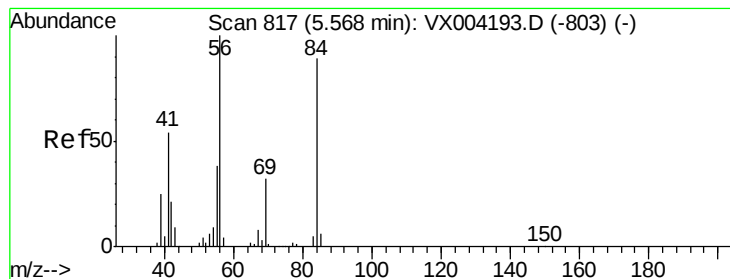
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#30
Chloroform
Concen: 47.71 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	79.0





#31

Cyclohexane

Concen: 49.69 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

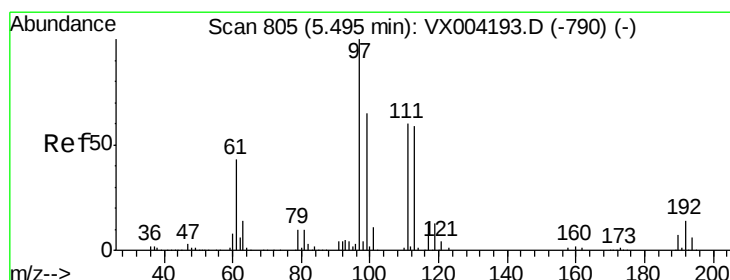
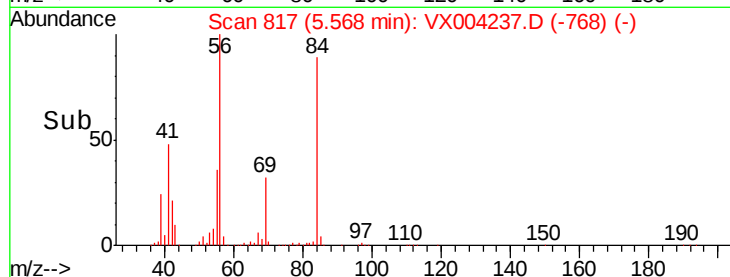
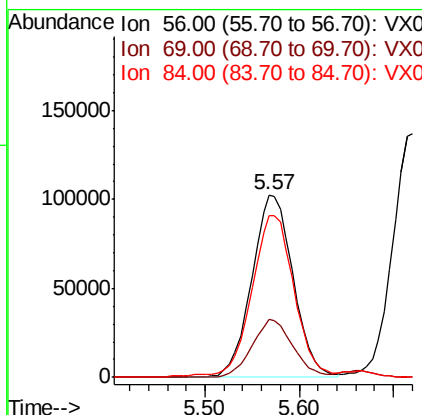
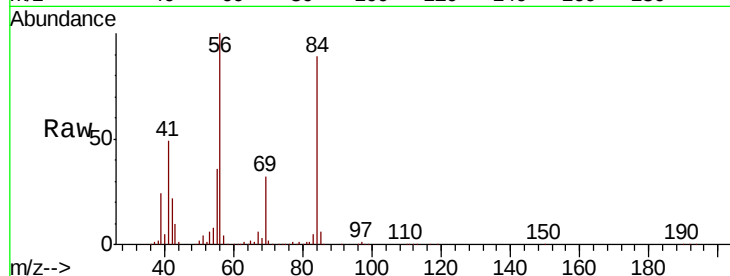
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	313487
Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.4	38.2
84	87.5	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 49.19 ug/l

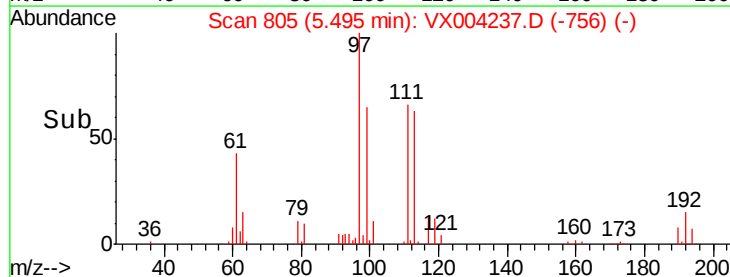
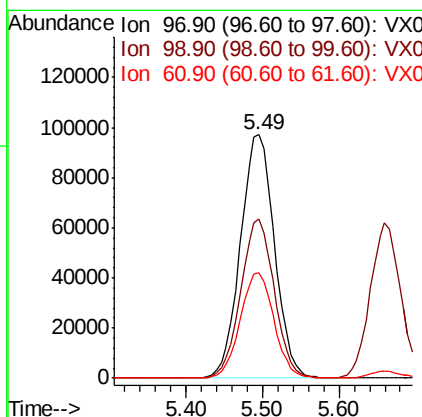
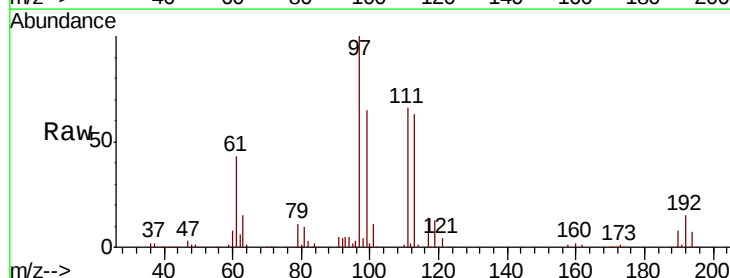
RT: 5.49 min Scan# 805

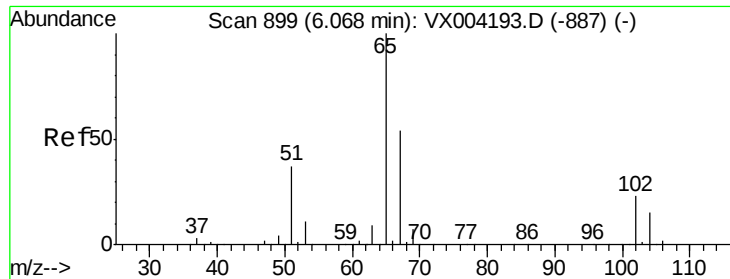
Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion:	97	Resp:	300712
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	43.1	34.9	52.3





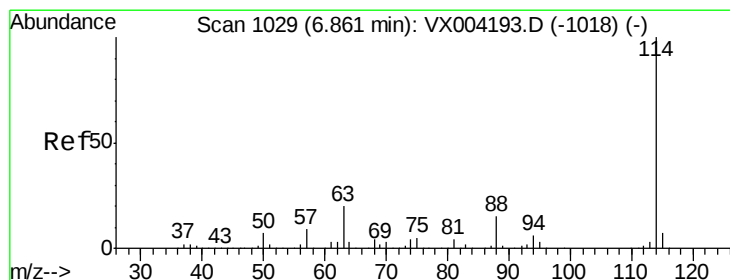
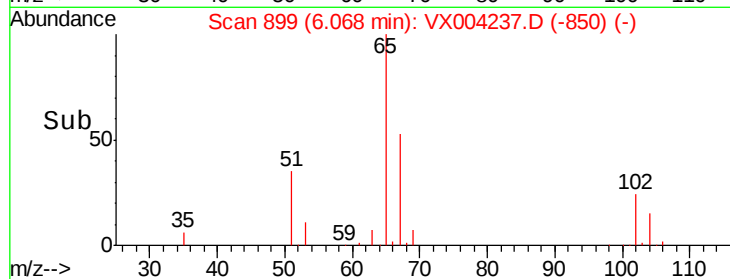
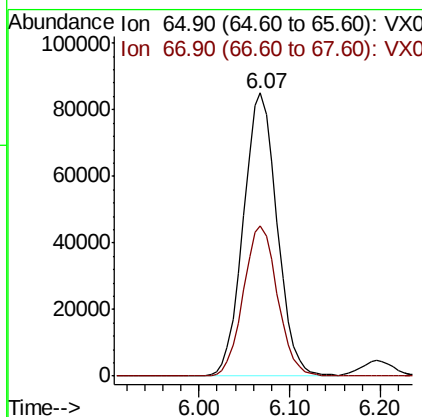
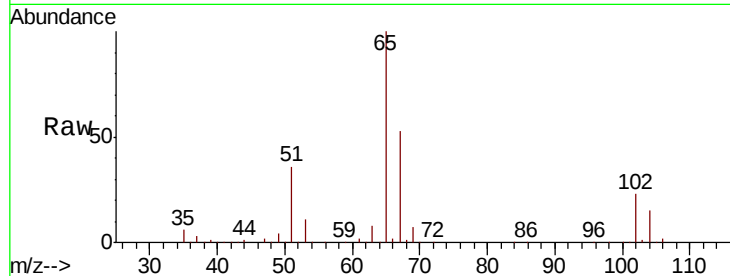
#33
 1,2-Dichloroethane-d4
 Concen: 48.66 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8

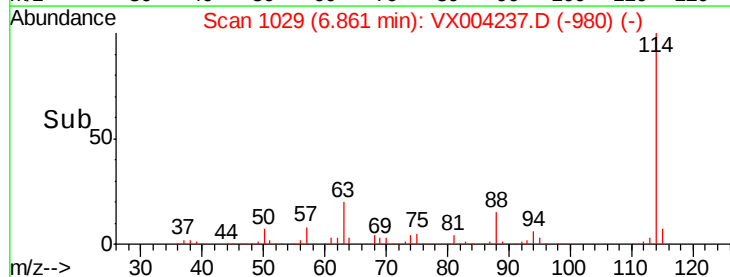
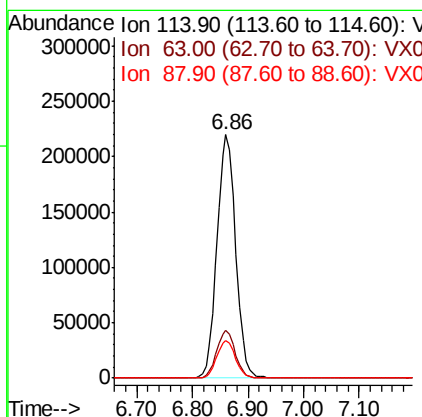
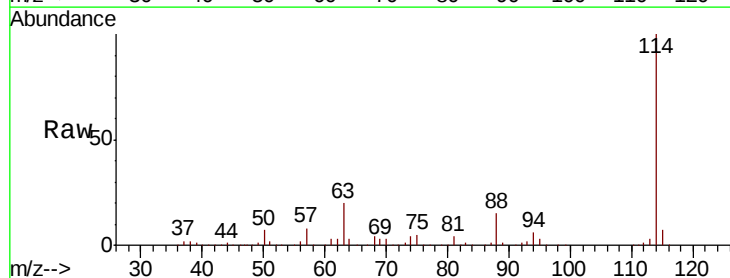
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.2	0.0	30.4





#35

Dibromofluoromethane

Concen: 49.59 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

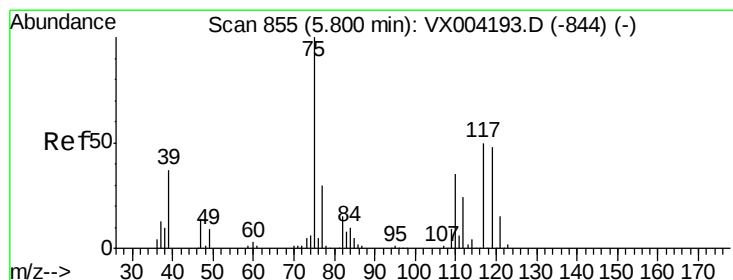
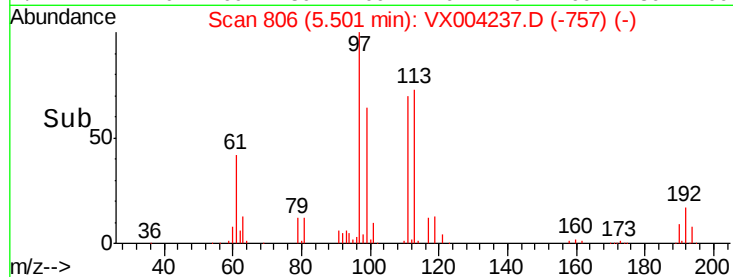
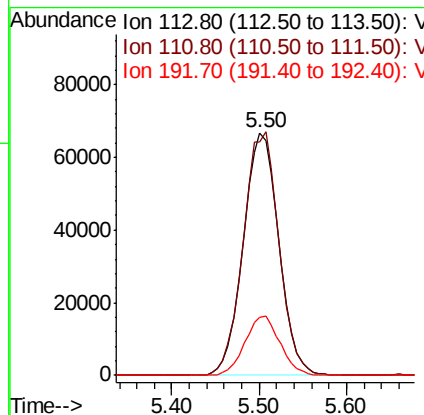
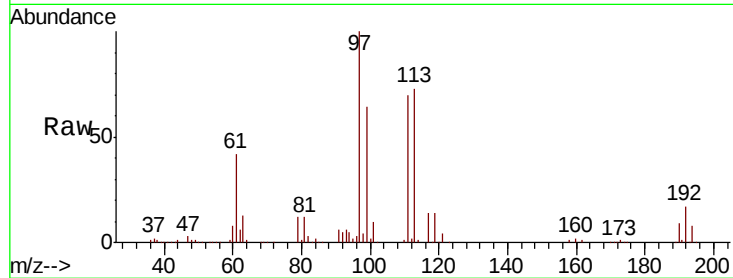
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	188742
Ion Ratio	Lower	Upper	
113	100		
111	101.0	82.4	123.6
192	24.0	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 46.46 ug/l

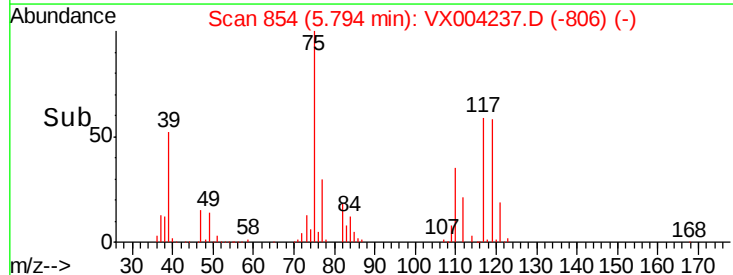
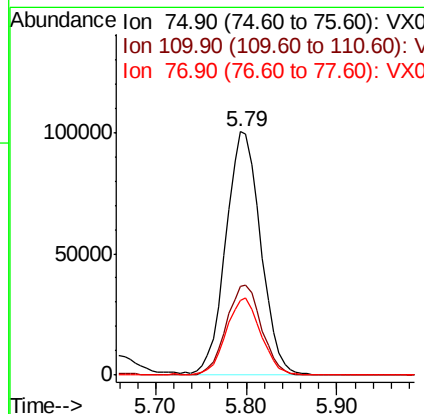
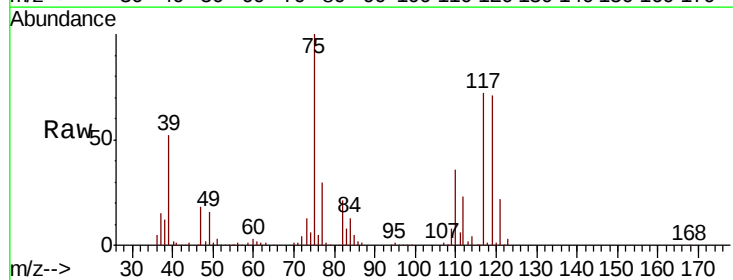
RT: 5.79 min Scan# 854

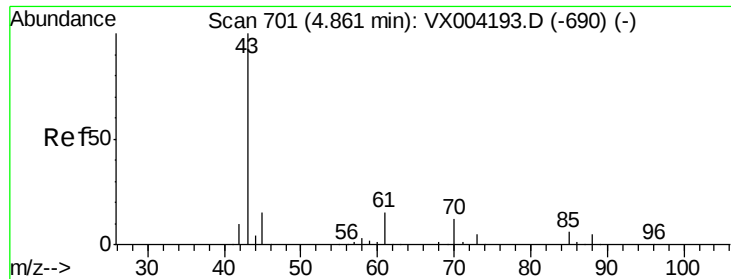
Delta R.T. -0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion:	75	Resp:	267198
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.0	54.0
77	31.6	24.6	36.8





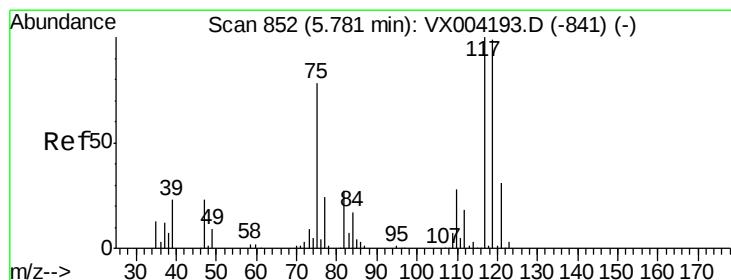
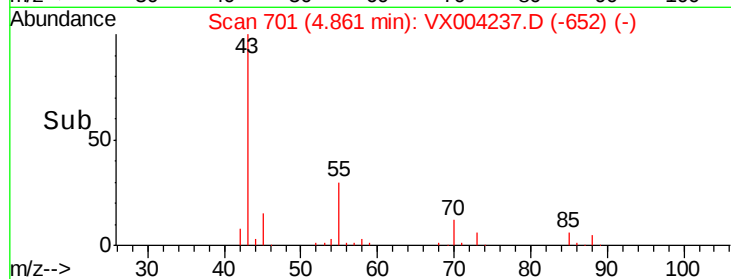
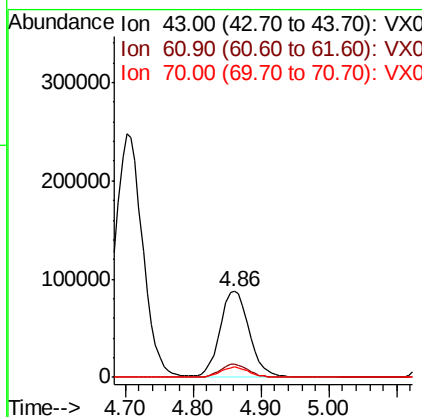
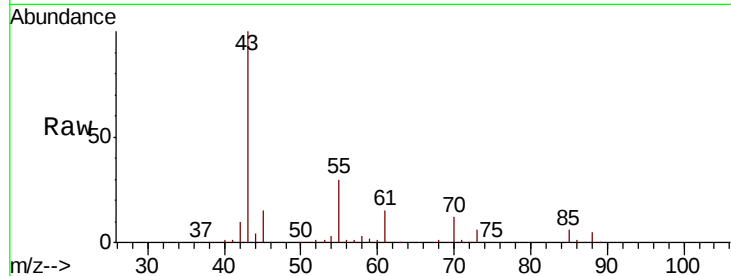
#37
Ethyl Acetate
Concen: 46.22 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.3	9.0	13.6

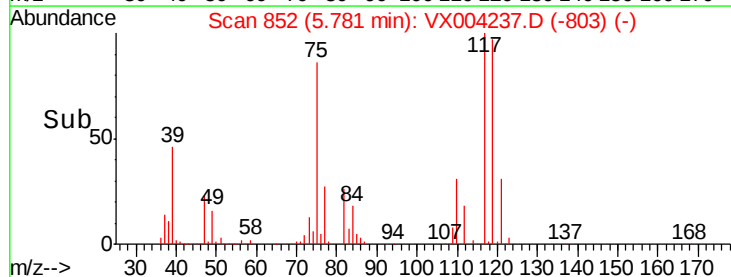
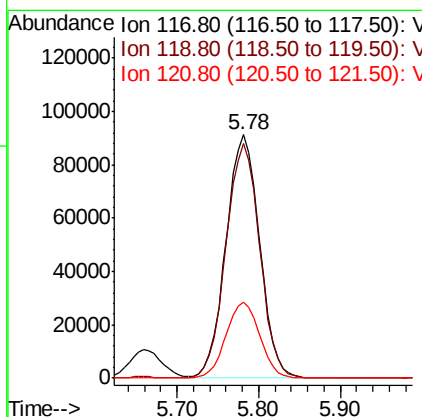
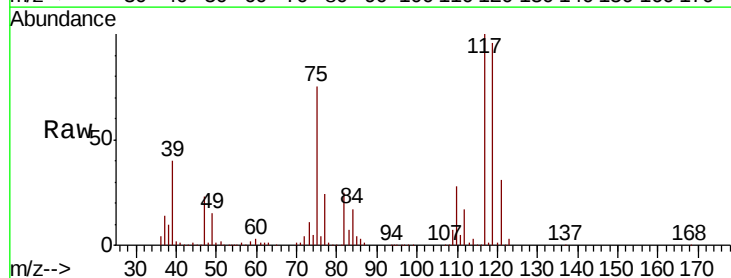
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#38
Carbon Tetrachloride
Concen: 48.00 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.8	118.2
121	31.1	24.9	37.3





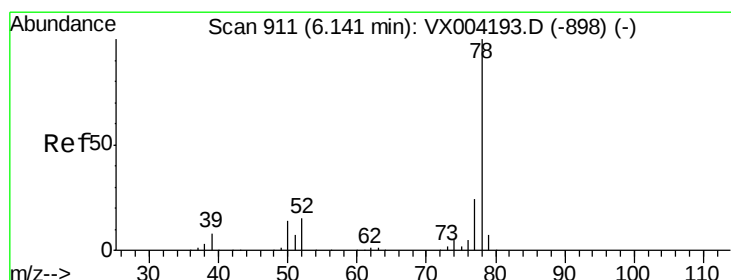
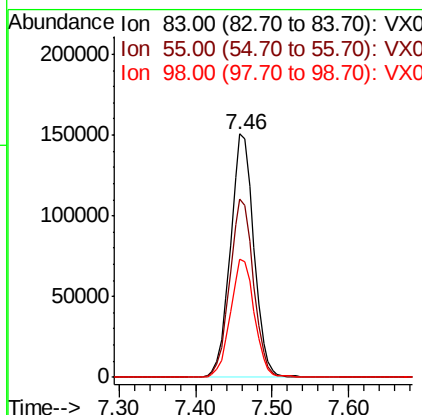
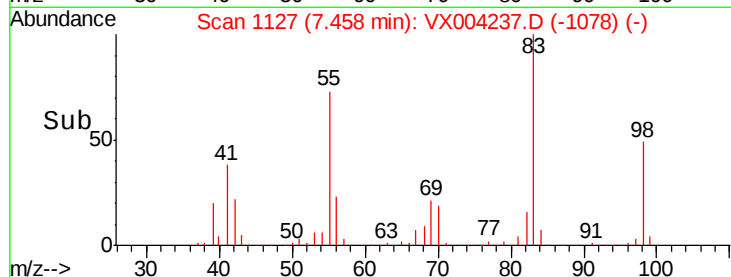
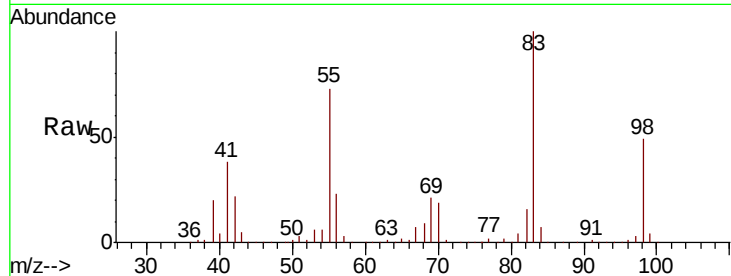
#39
Methylvlcvclohexane
Concen: 49.00 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.0	61.0	91.4	
98	48.6	39.6	59.4	

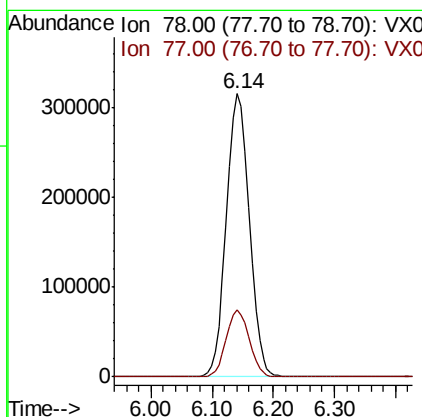
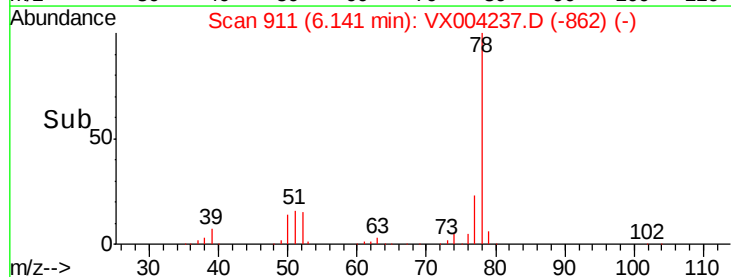
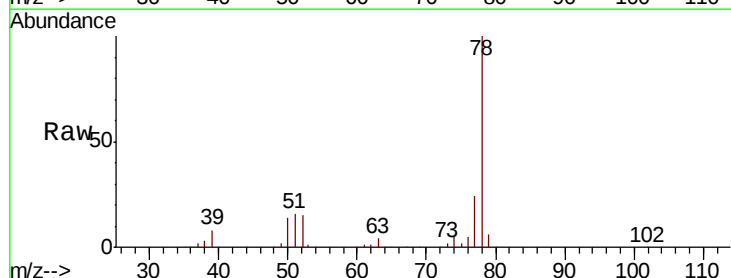
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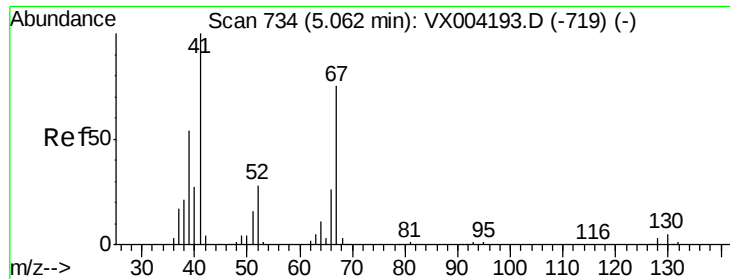
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#40
Benzene
Concen: 47.65 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.4	





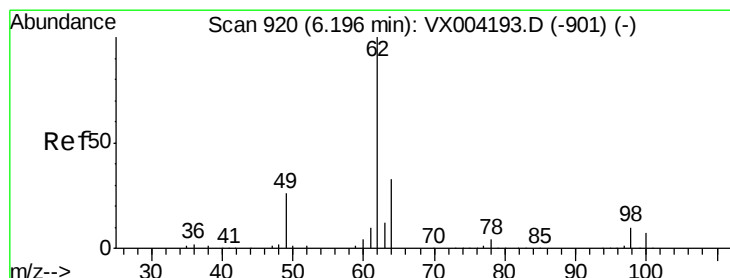
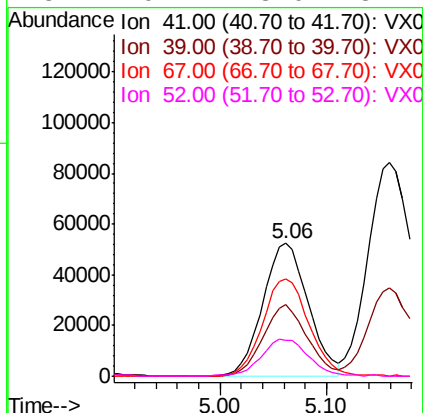
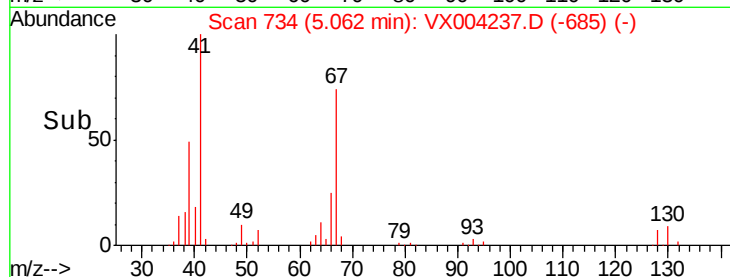
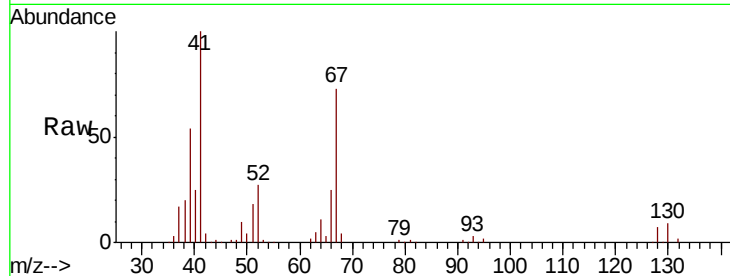
#41
Methacrylonitrile
Concen: 47.26 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.4	63.6	
67	75.5	59.2	88.8	
52	29.1	23.0	34.4	

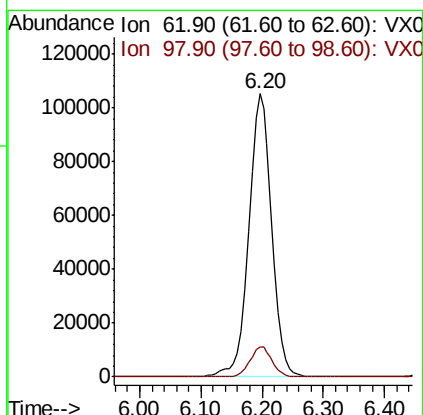
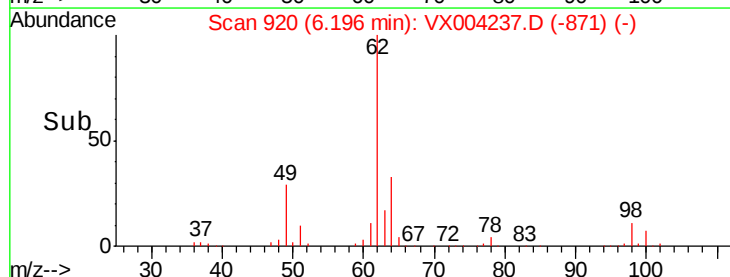
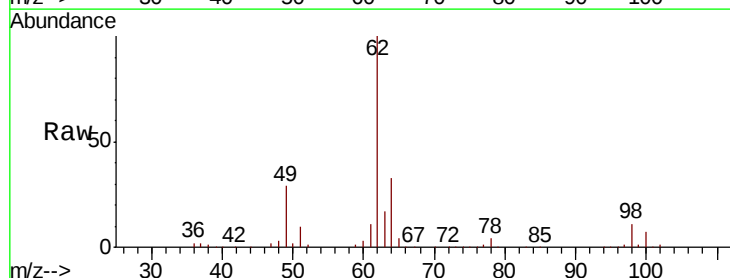
Manual Integrations
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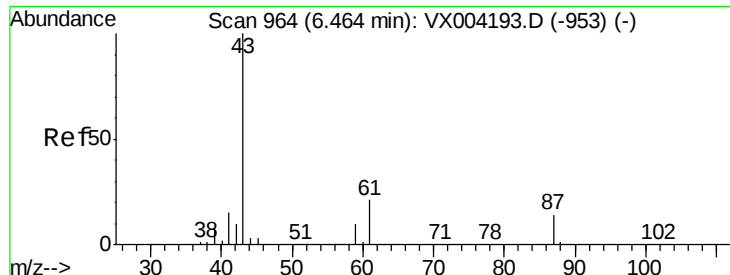
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.95 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	





#43

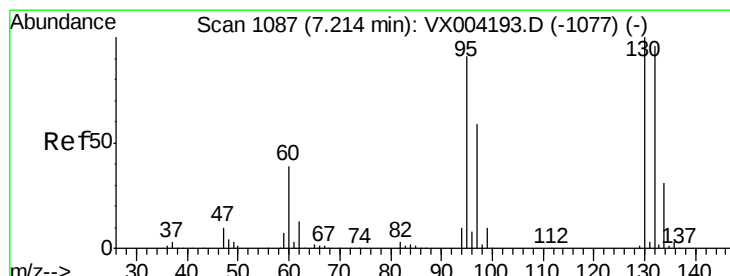
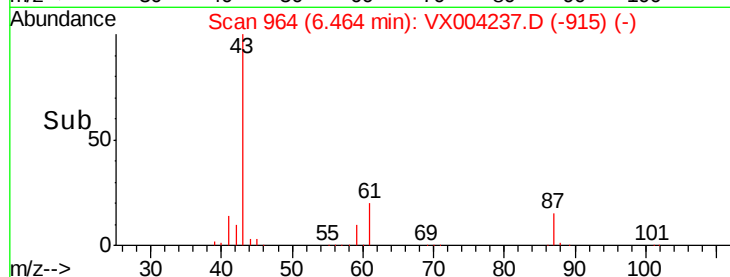
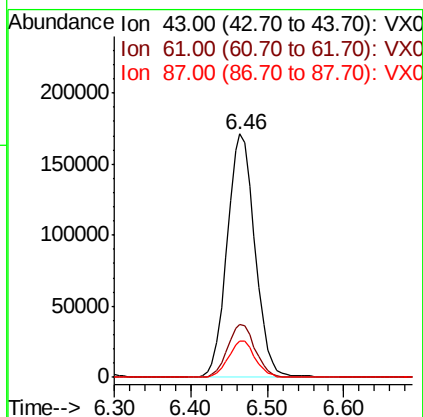
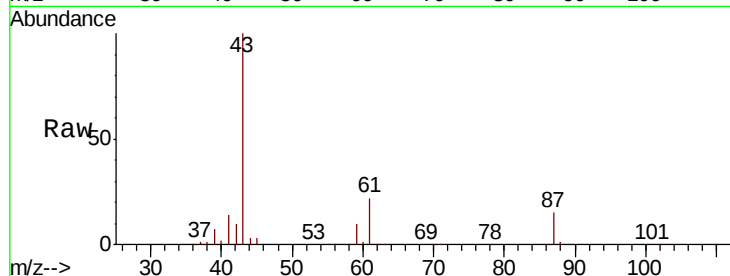
Isopropyl Acetate
 Concen: 49.25 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.0	25.4
87	14.7	11.4	17.2

Manual Integrations
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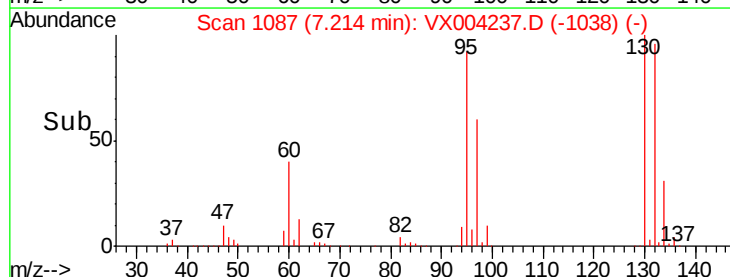
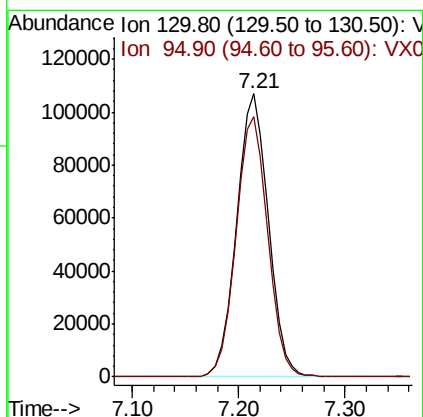
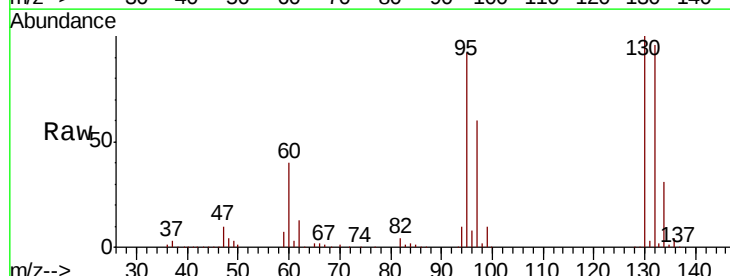
MMDadoda
 8/24/2018 11:36:16 AM



#44

Trichloroethene
 Concen: 47.08 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	181.6





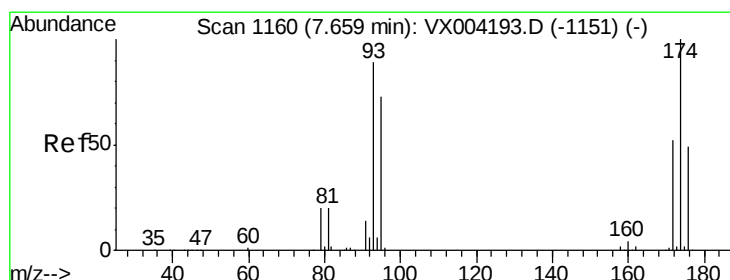
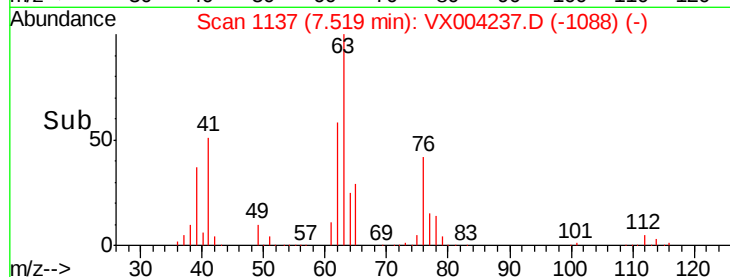
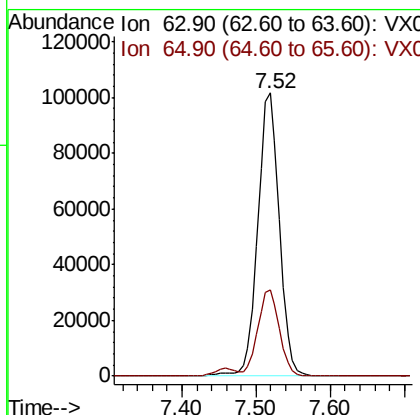
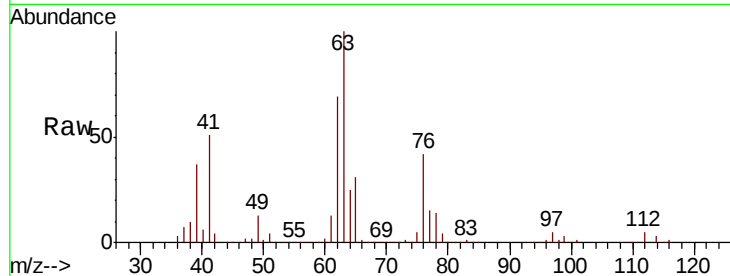
#45
 1,2-Dichloropropane
 Concen: 48.08 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.3	36.5

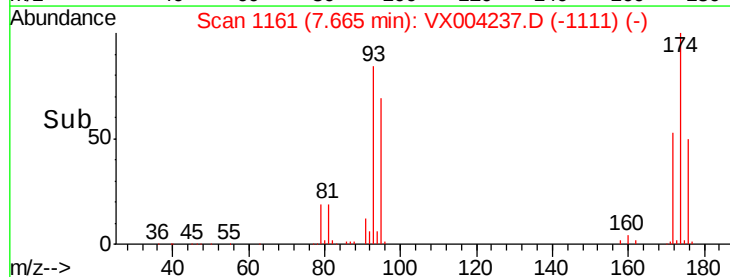
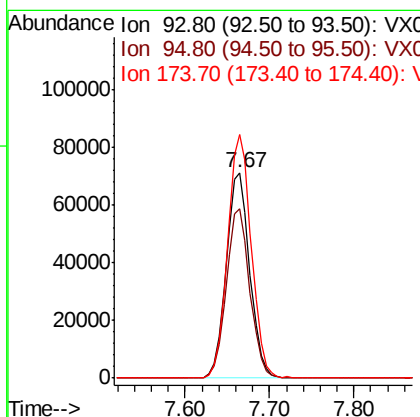
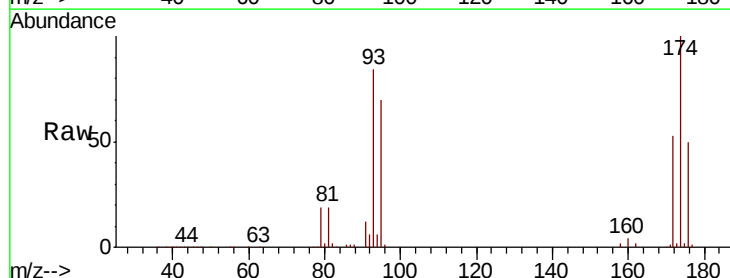
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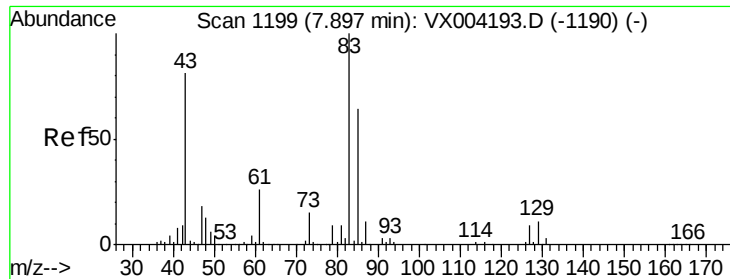
MMDadoda
 8/24/2018 11:36:16 AM



#46
 Dibromomethane
 Concen: 47.30 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.5	98.3
174	119.1	94.2	141.4





#47

Bromodichloromethane

Concen: 48.51 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

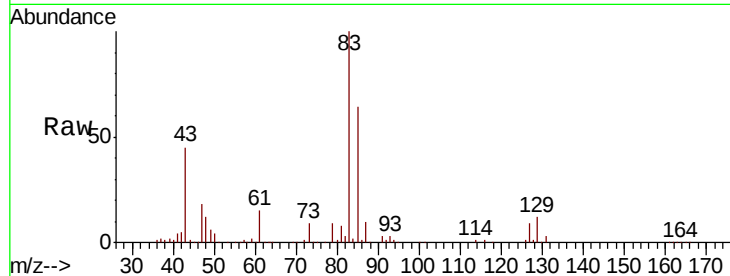
ClientSampleId :

VSTDCCC050EC

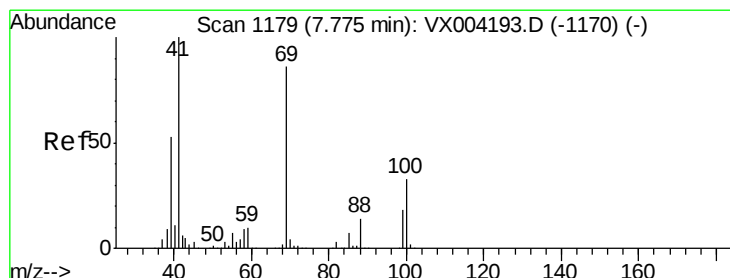
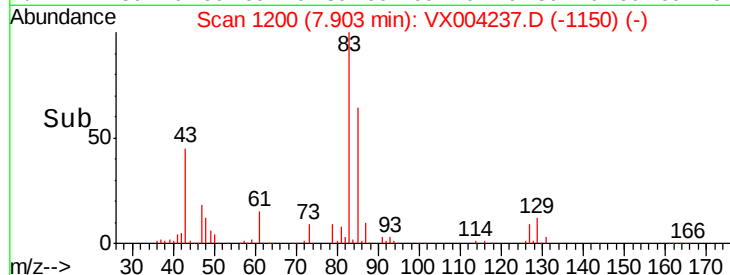
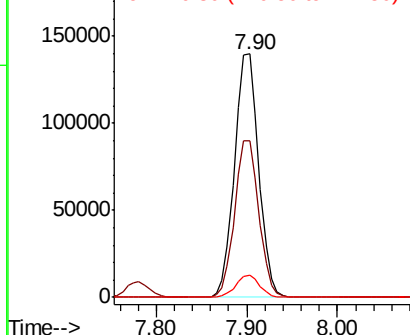
Tot Ion:	83	Resp:	258483
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.9	76.3
127	9.1	7.3	10.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.73 ug/l

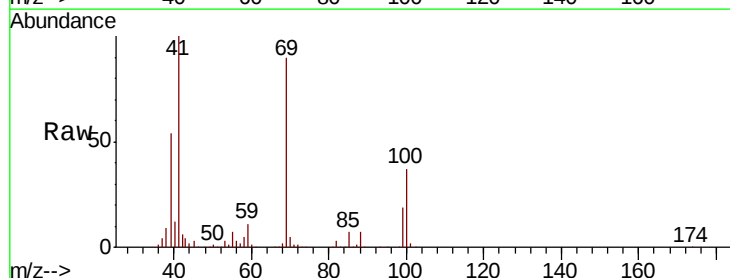
RT: 7.78 min Scan# 1180

Delta R.T. 0.01 min

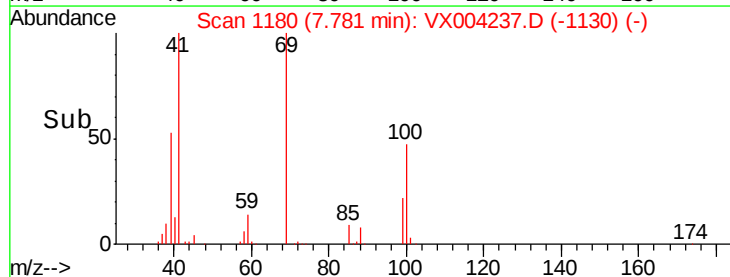
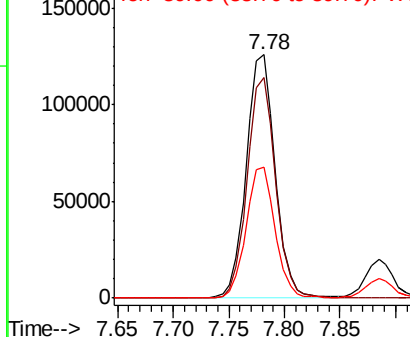
Lab File: VX004237.D

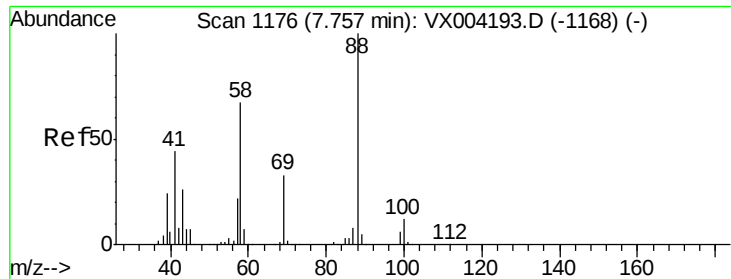
Acq: 23 Aug 2018 19:53

Tgt Ion:	41	Resp:	226644
Ion Ratio	Lower	Upper	
41	100		
69	90.0	70.2	105.4
39	54.1	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





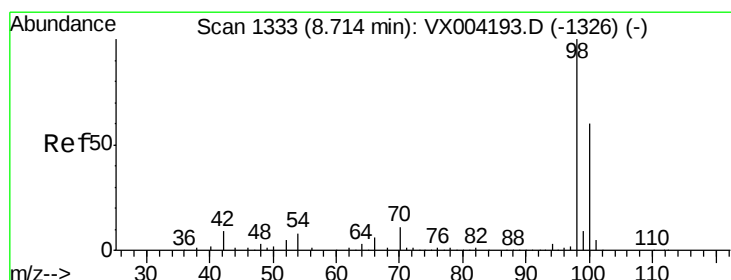
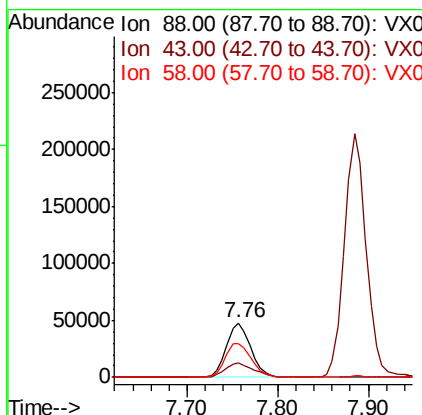
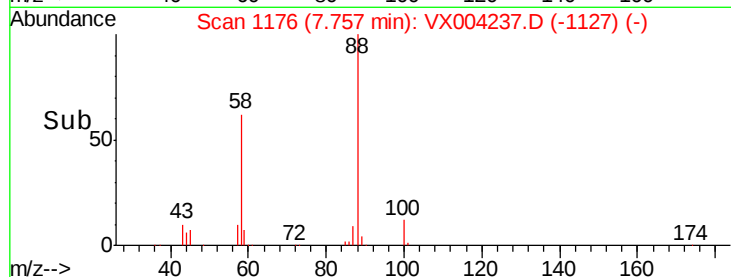
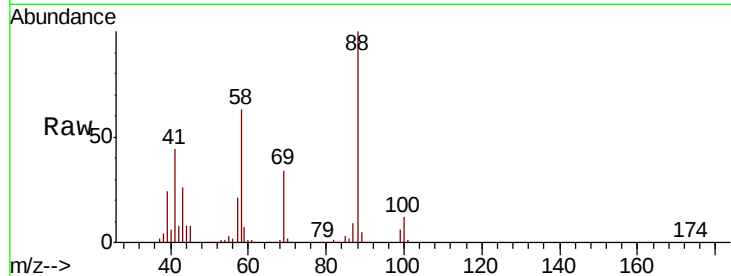
#49
1,4-Dioxane
Concen: 844.20 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	24.7	37.1
58	67.7	55.3	82.9

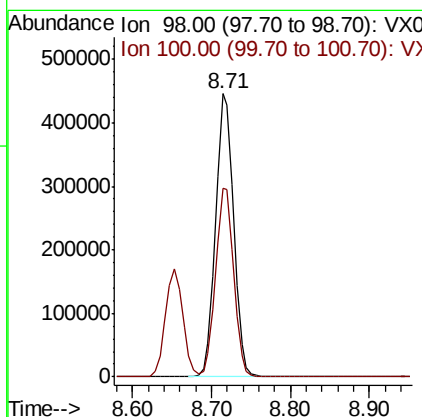
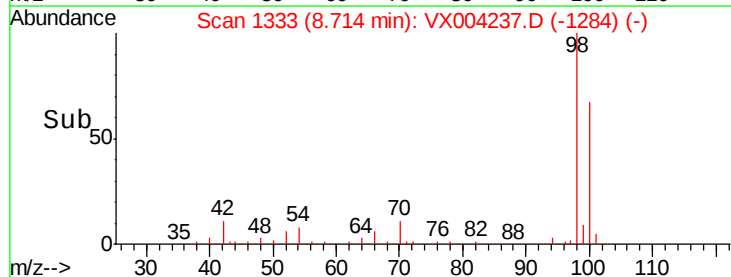
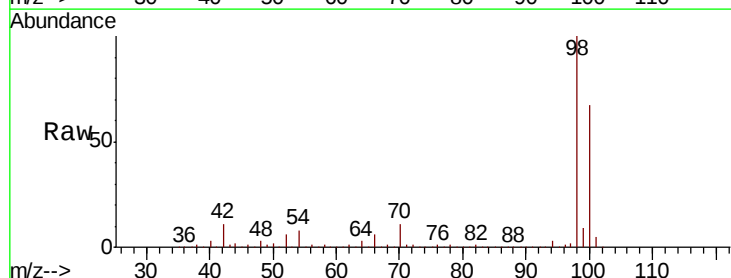
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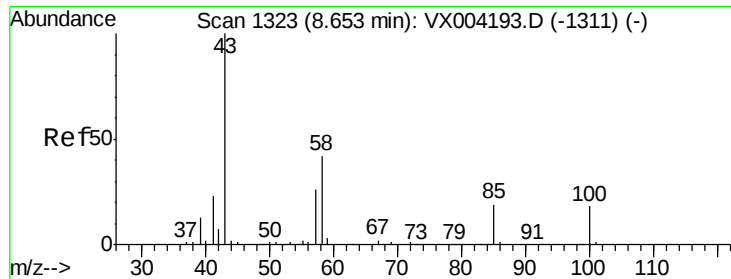
MMDadoda
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#50
Toluene-d8
Concen: 49.40 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 225.28 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1422657

Ion Ratio Lower Upper

43 100

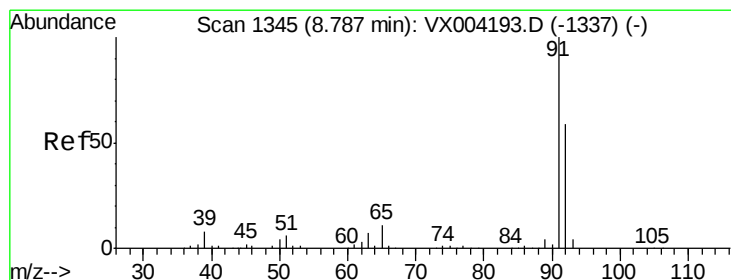
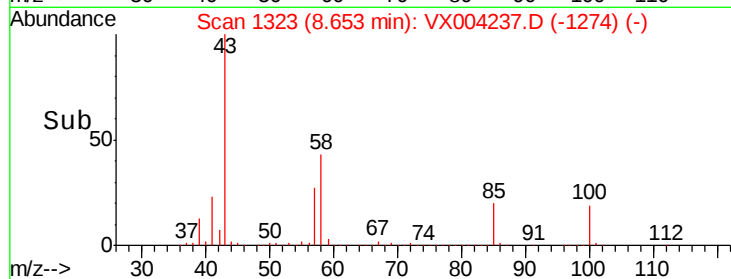
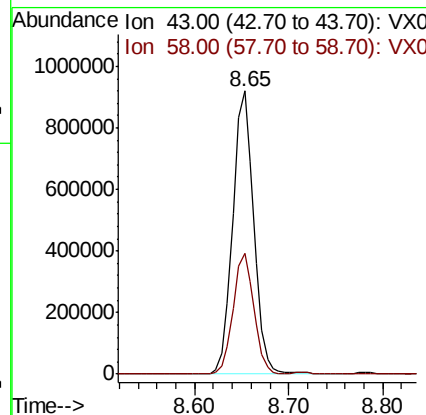
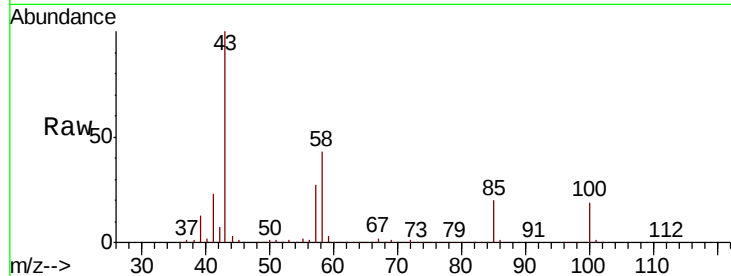
58 42.1 33.1 49.7

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#52

Toluene

Concen: 48.86 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX004237.D

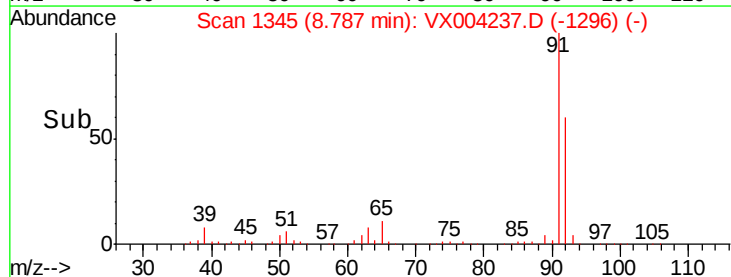
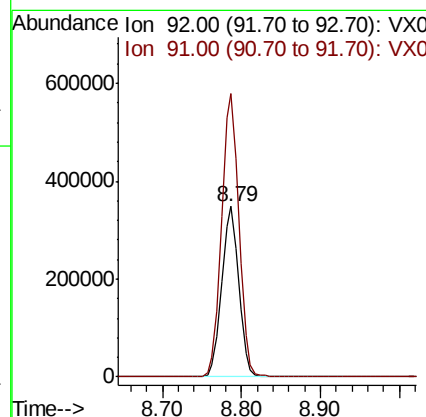
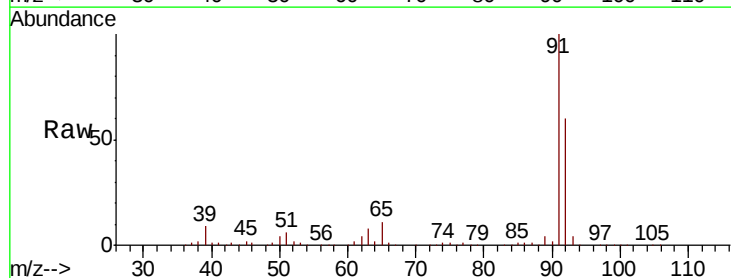
Acq: 23 Aug 2018 19:53

Tgt Ion: 92 Resp: 525604

Ion Ratio Lower Upper

92 100

91 168.8 136.4 204.6





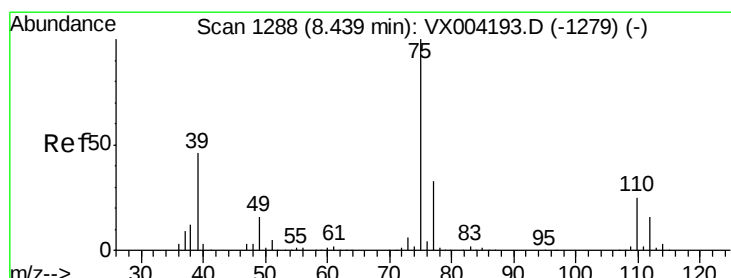
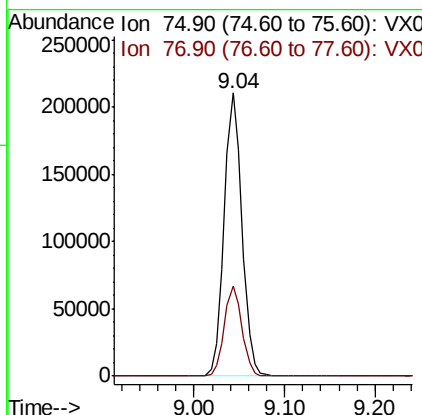
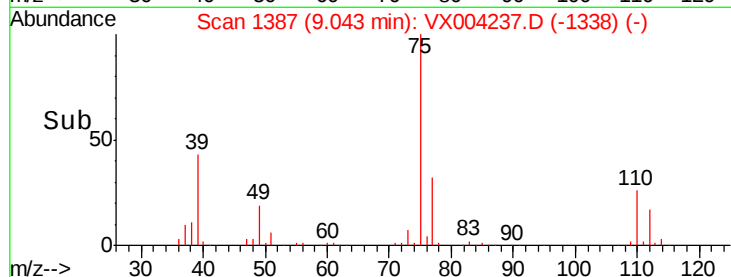
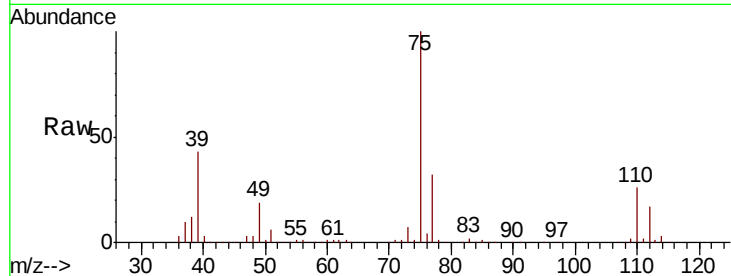
#53
 t-1,3-Dichloropropene
 Concen: 49.01 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 288442
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0

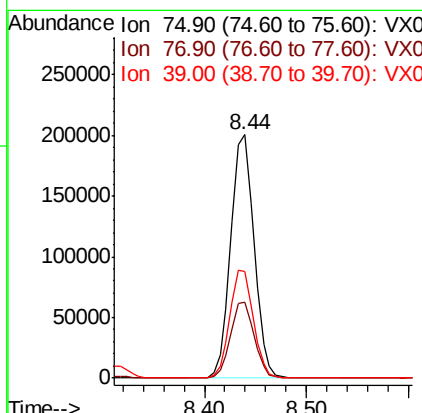
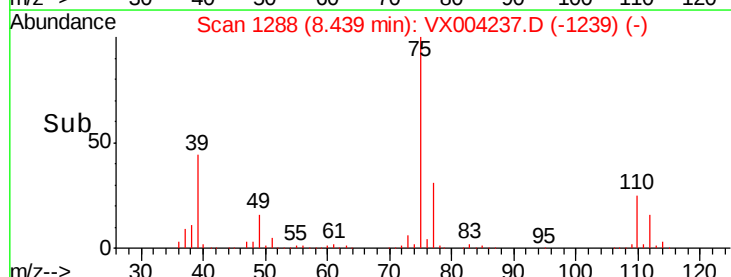
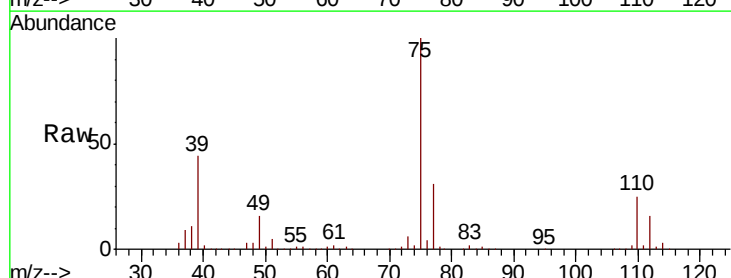
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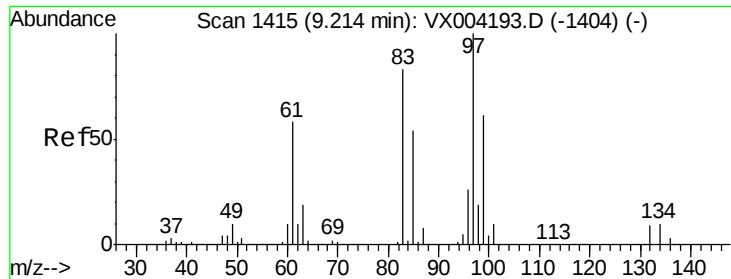
MMDadoda
 8/24/2018 11:36:16 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.28 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion: 75 Resp: 315939
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.2
 39 43.6 36.4 54.6





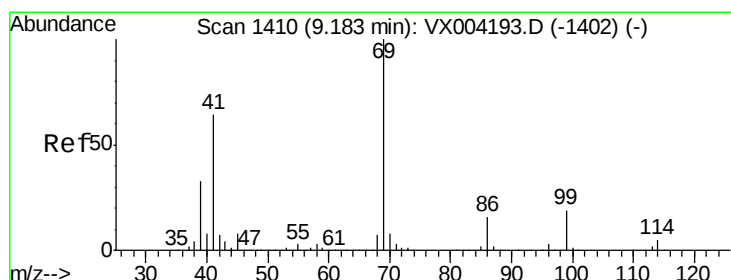
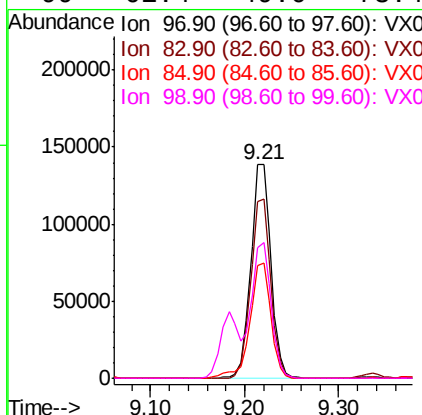
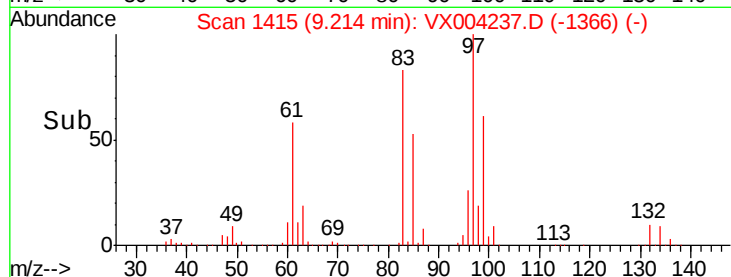
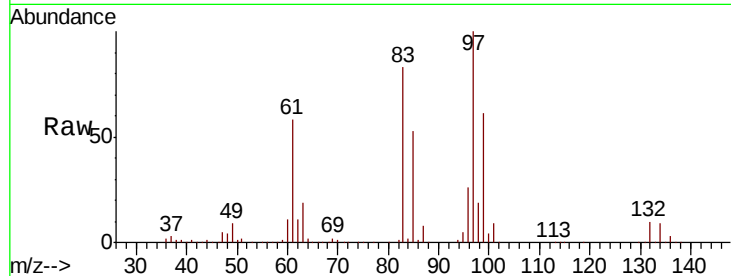
#55
 1,1,2-Trichloroethane
 Concen: 48.06 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		208682		
83	82.8	66.4	99.6		
85	52.8	43.3	64.9		
99	61.4	49.0	73.4		

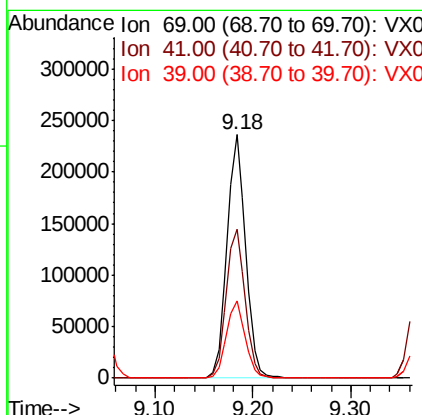
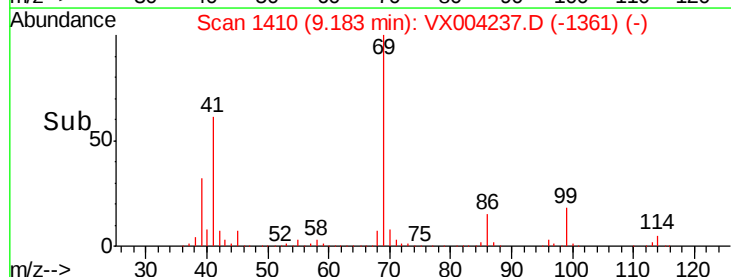
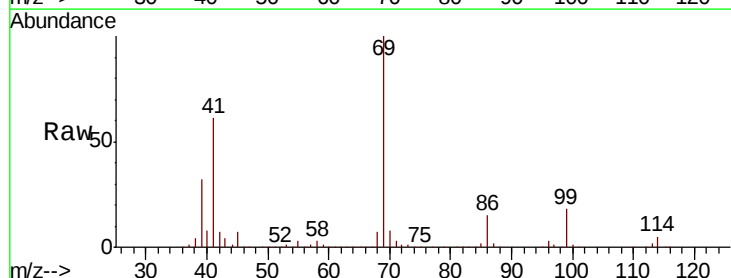
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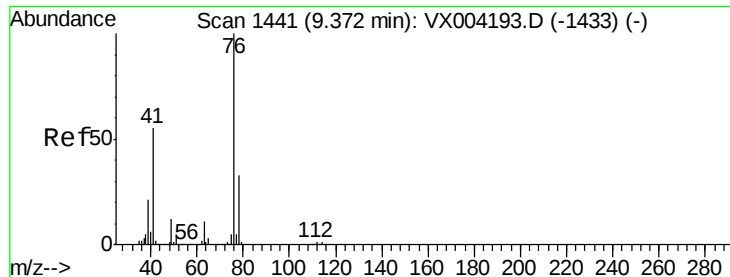
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#56
 Ethyl methacrylate
 Concen: 52.82 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		312241		
41	62.1	51.0	76.4		
39	31.9	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 47.97 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 351104

Ion Ratio Lower Upper

76 100

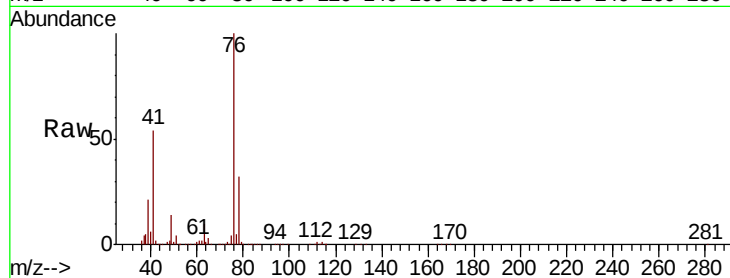
78 32.1 25.5 38.3

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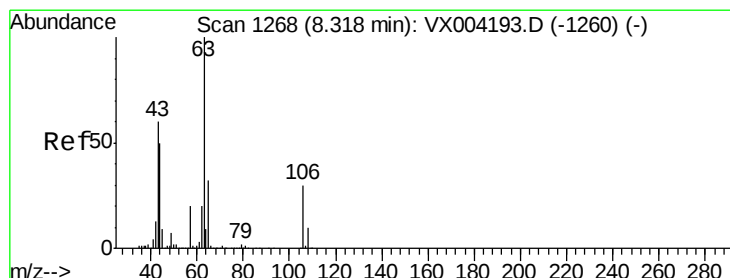
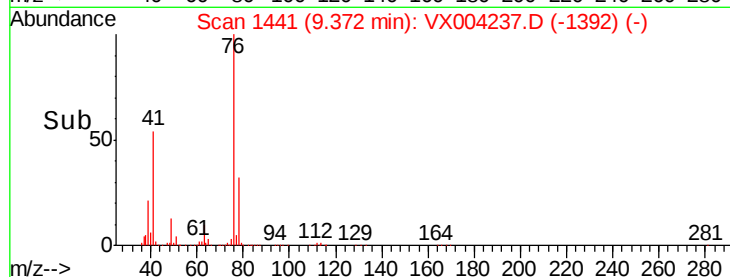
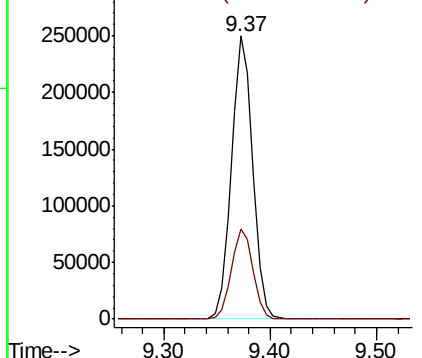
MMDadoda

8/24/2018 11:36:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 261.54 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX004237.D

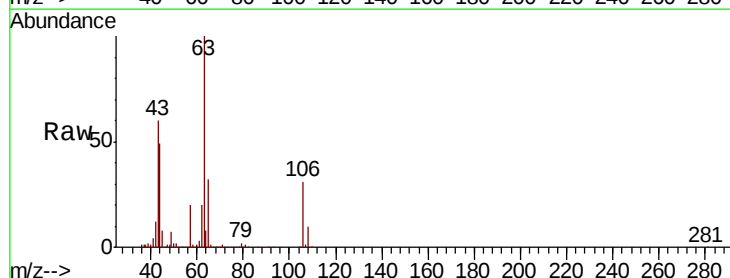
Acq: 23 Aug 2018 19:53

Tgt Ion: 63 Resp: 792197

Ion Ratio Lower Upper

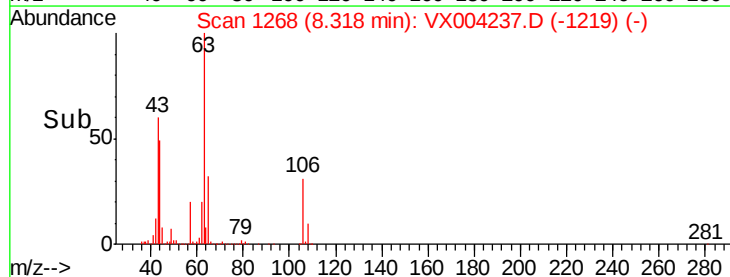
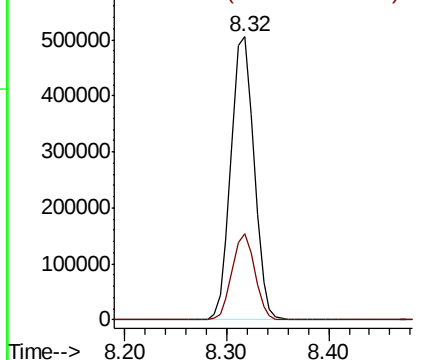
63 100

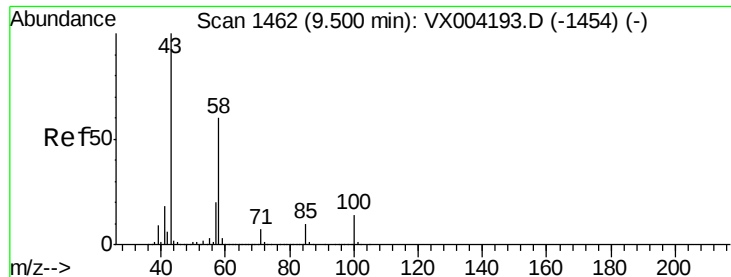
106 30.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





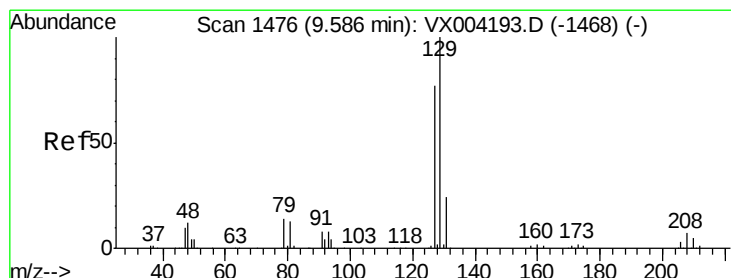
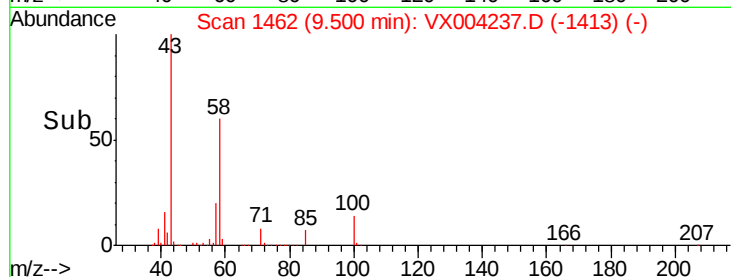
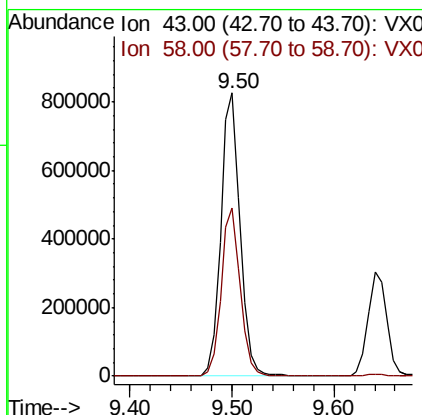
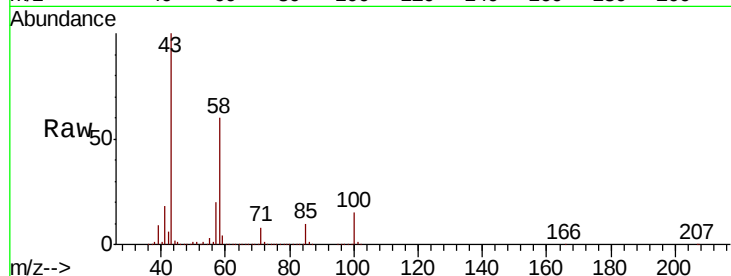
#59
2-Hexanone
Concen: 224.62 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1082166
Ion Ratio Lower Upper
43 100
58 58.9 29.0 87.0

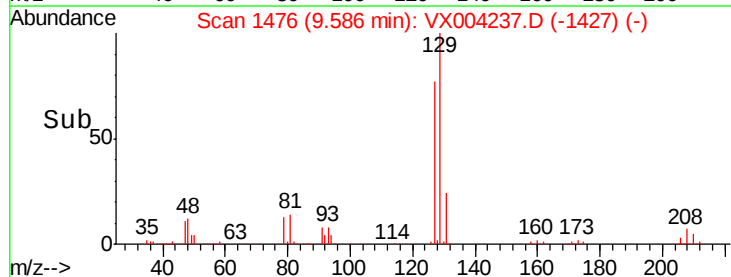
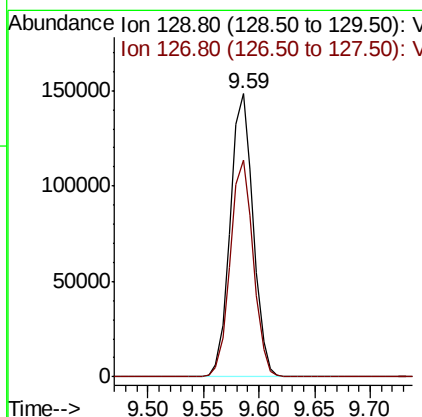
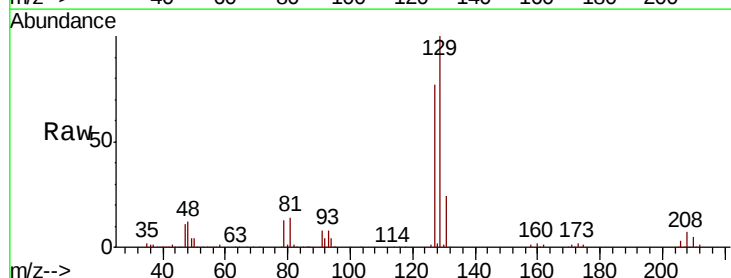
Manual Integrations
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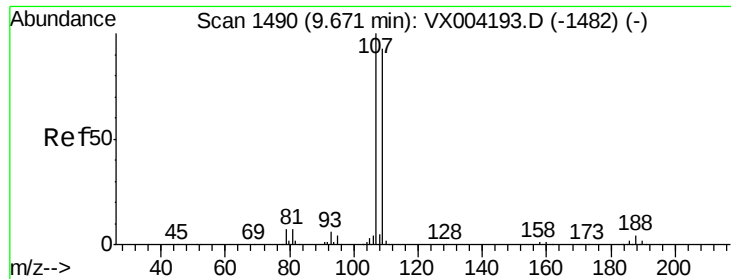
MMDadoda
8/24/2018 11:36:16 AM



#60
Dibromochloromethane
Concen: 49.97 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion: 129 Resp: 211416
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.87 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 219605

Ion Ratio Lower Upper

107 100

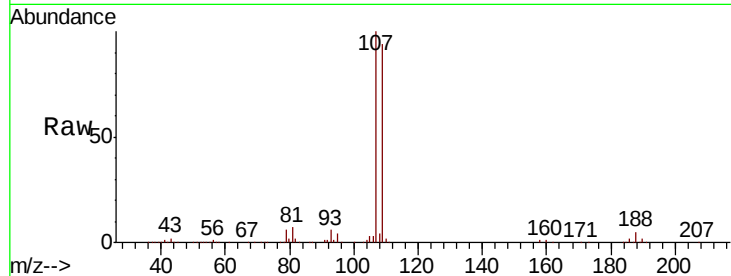
109 94.3 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

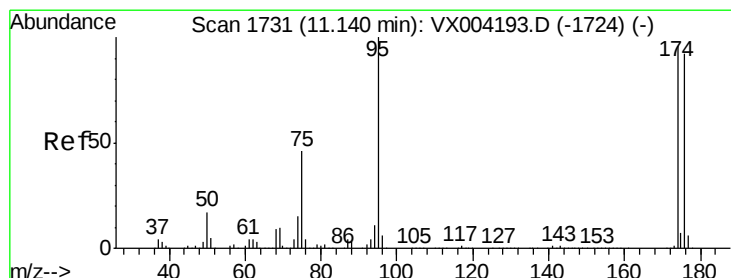
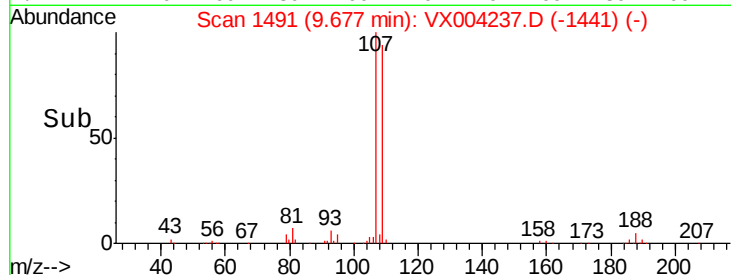
100000

50000

0

9.55 9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 50.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

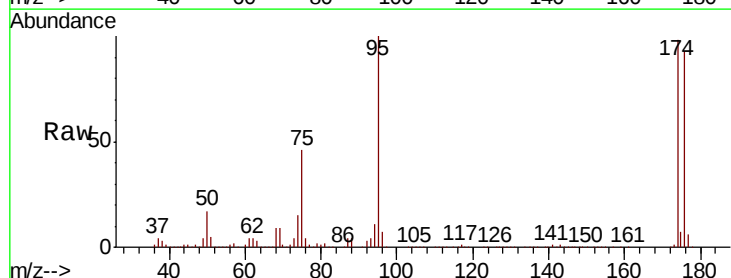
Tgt Ion: 95 Resp: 270320

Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.2

176 89.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

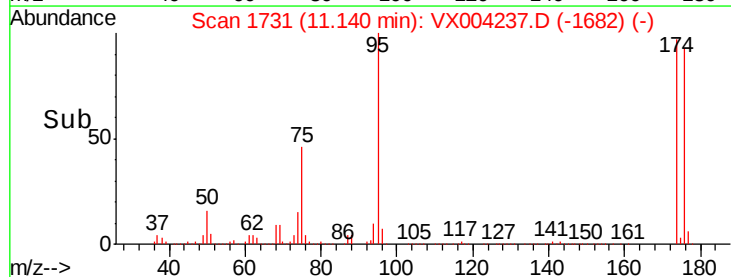
100000

50000

0

11.10 11.20

Time-->





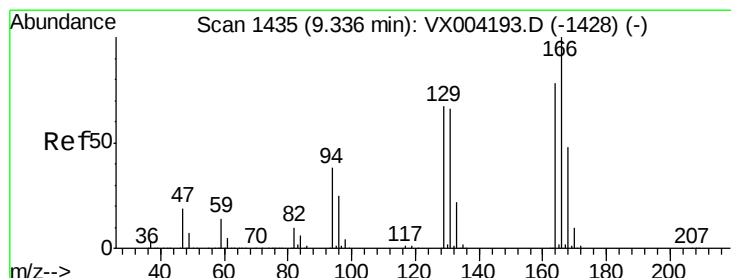
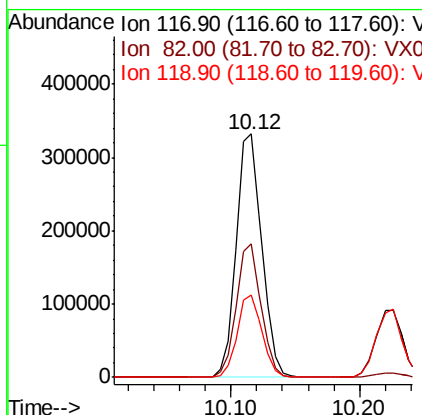
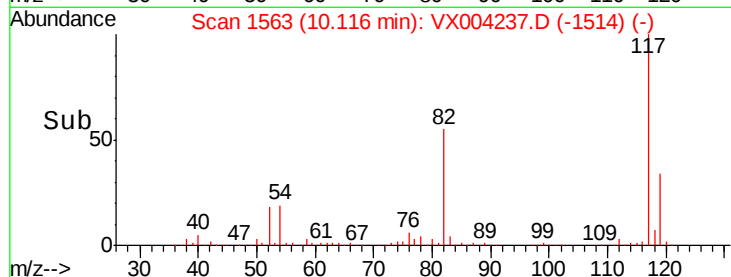
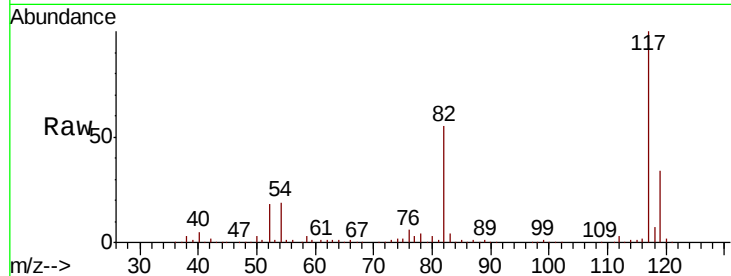
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	47.8	71.6
119	33.6	29.3	43.9

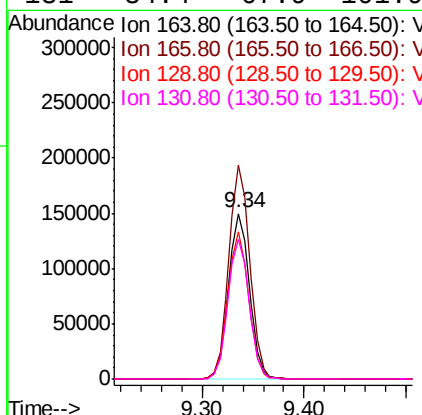
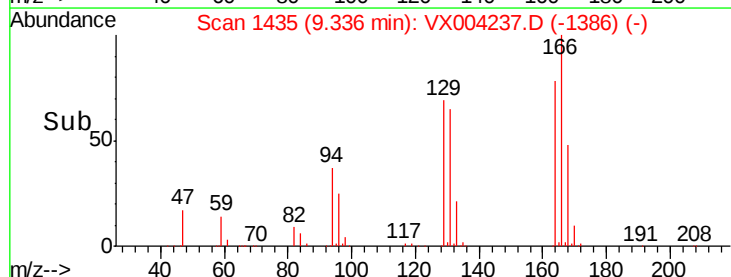
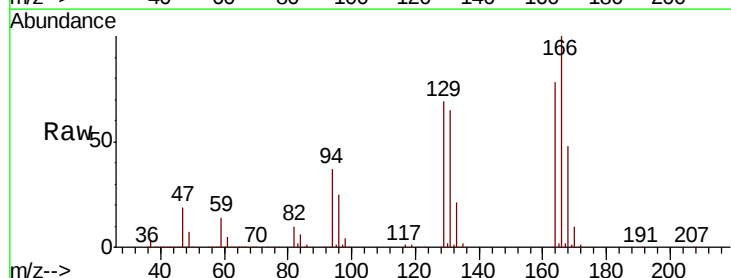
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#64
Tetrachloroethene
Concen: 47.01 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.8	154.2
129	88.9	69.4	104.0
131	84.4	67.9	101.9





#65

Chlorobenzene

Concen: 48.59 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 557434

Ion Ratio Lower Upper

112 100

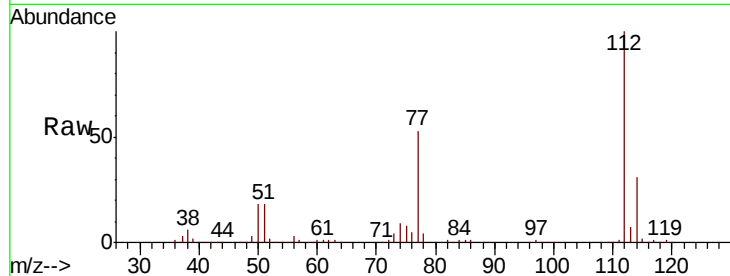
114 31.2 27.8 41.8

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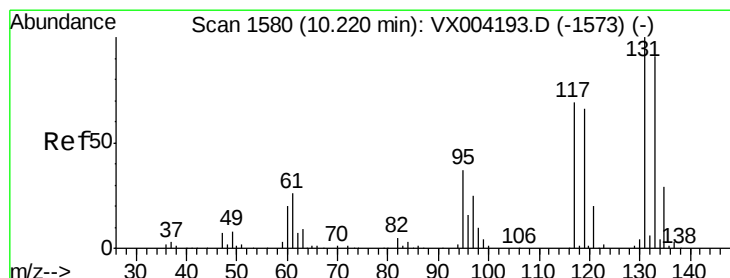
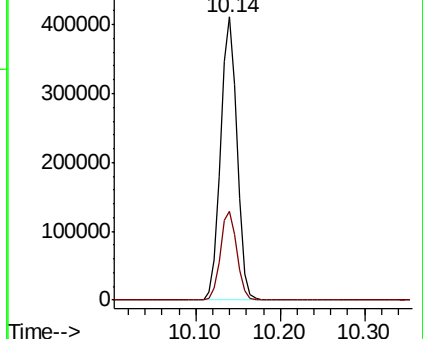
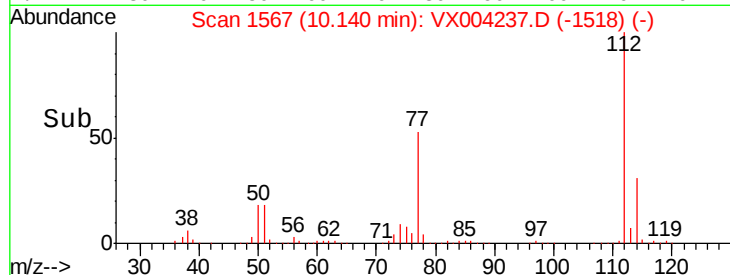
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.25 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

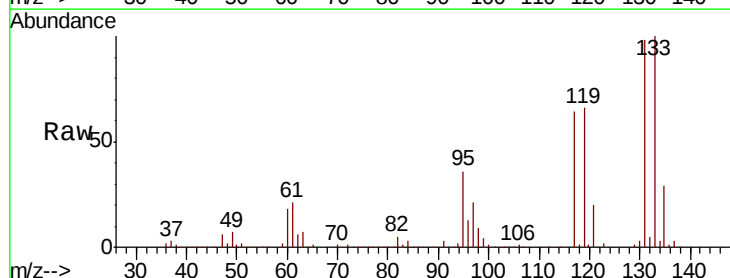
Tgt Ion:131 Resp: 190924

Ion Ratio Lower Upper

131 100

133 100.8 48.1 144.4

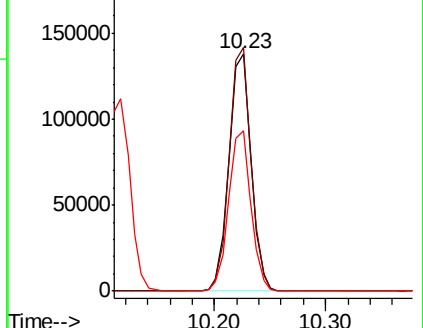
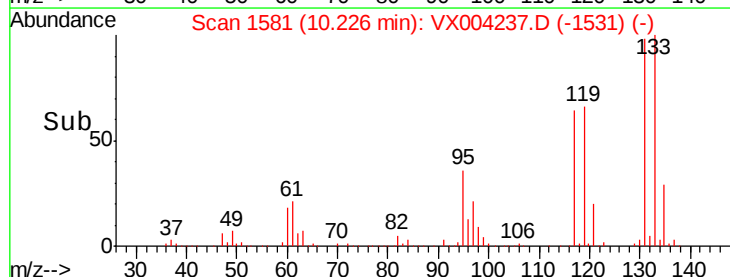
119 67.9 32.9 98.6

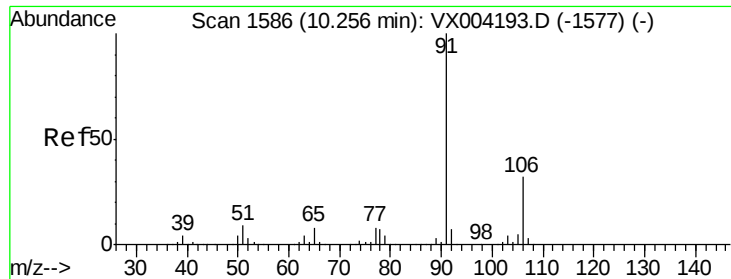


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.98 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 968594

Ion Ratio Lower Upper

91 100

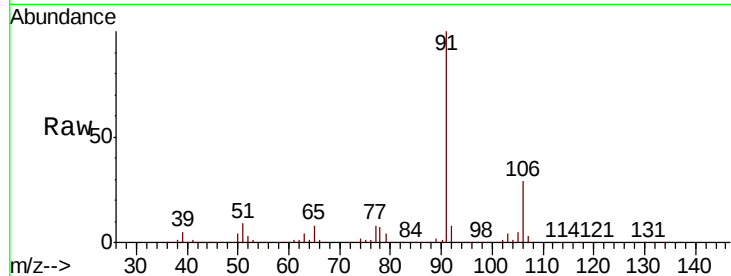
106 29.3 25.9 38.9

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1577) (-)

Ion 106.00 (105.70 to 106.70): VX004193.D (-1577) (-)

1200000

1000000

800000

600000

400000

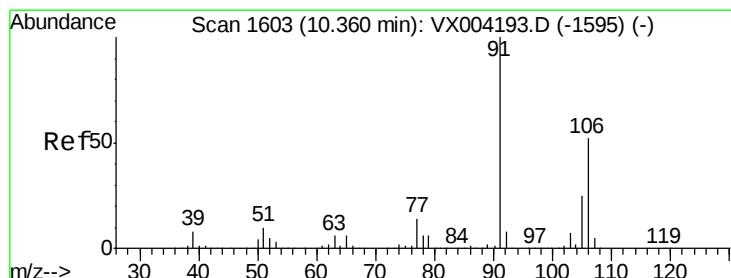
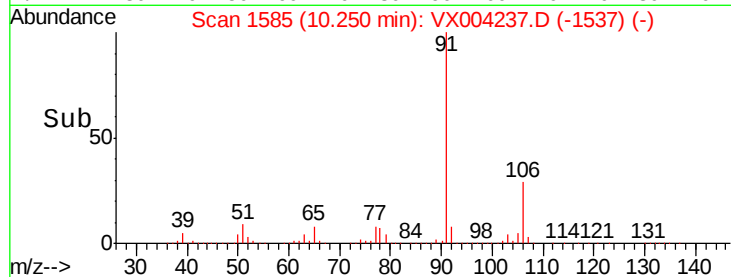
200000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 99.23 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX004237.D

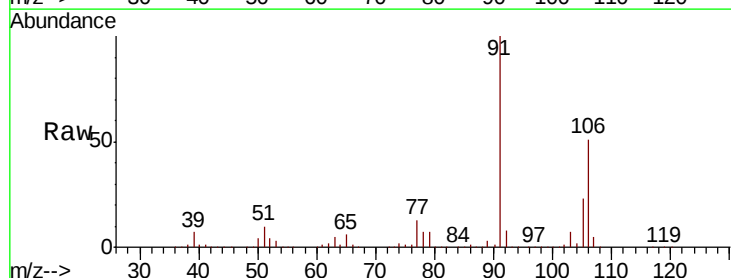
Acq: 23 Aug 2018 19:53

Tgt Ion: 106 Resp: 722965

Ion Ratio Lower Upper

106 100

91 197.2 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004193.D (-1595) (-)

Ion 91.00 (90.70 to 91.70): VX004193.D (-1595) (-)

1200000

1000000

800000

600000

400000

200000

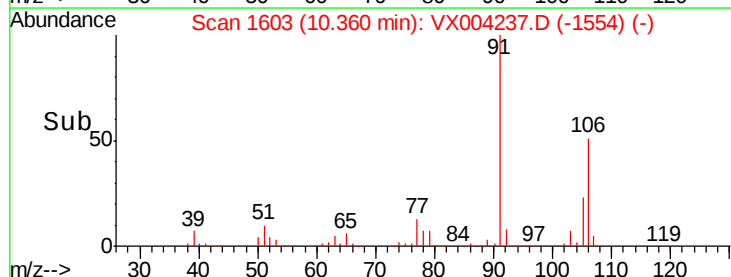
0

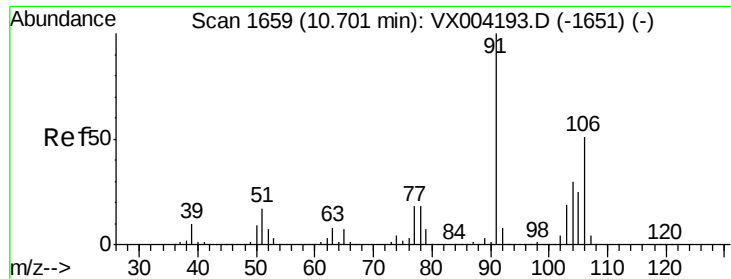
10.30

10.40

10.50

Time-->





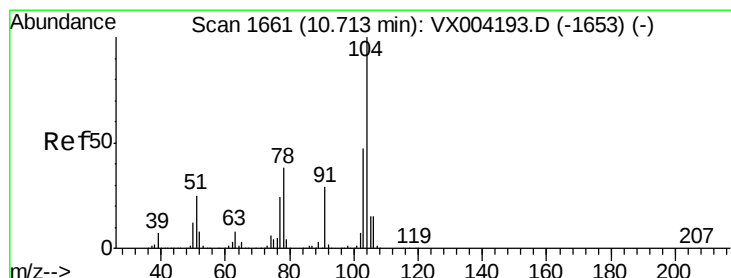
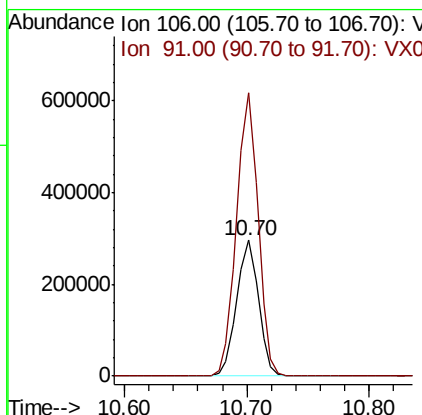
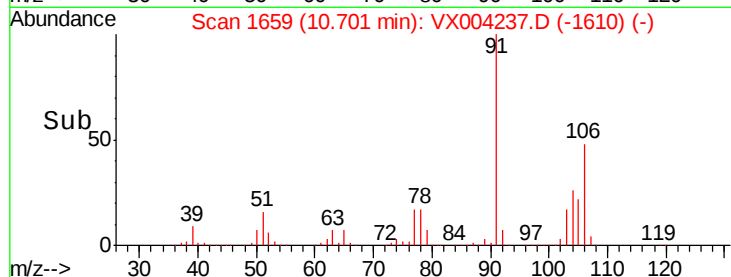
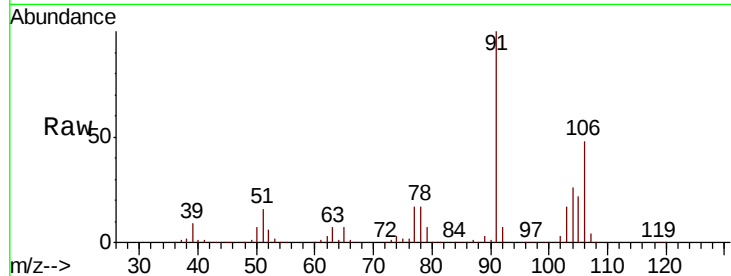
#69
o-Xylene
Concen: 52.79 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.5	105.1	315.1

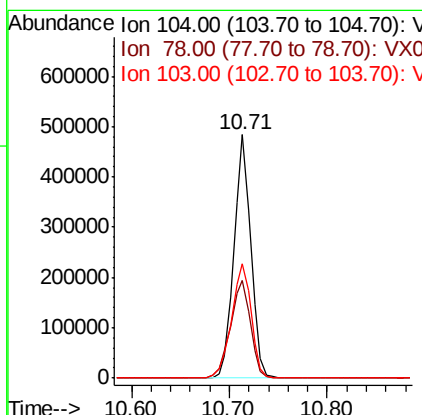
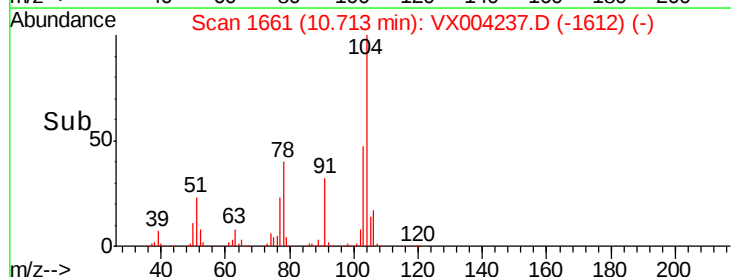
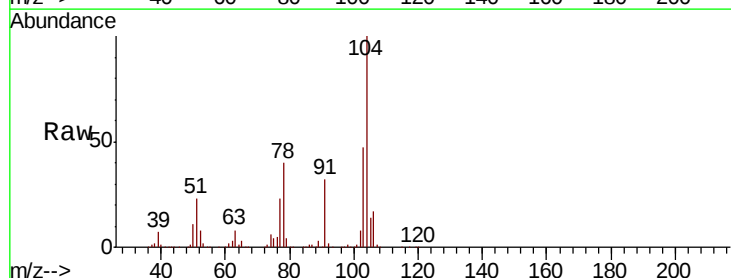
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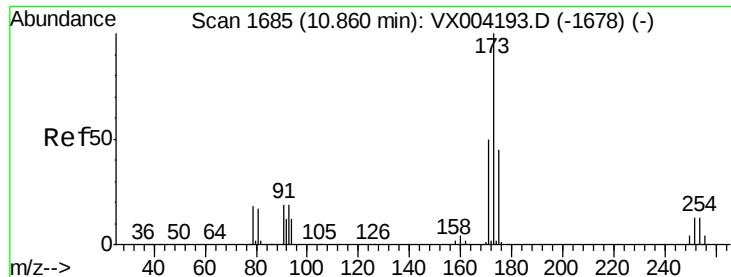
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#70
Styrene
Concen: 51.97 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.4	56.0
103	54.3	43.8	65.6





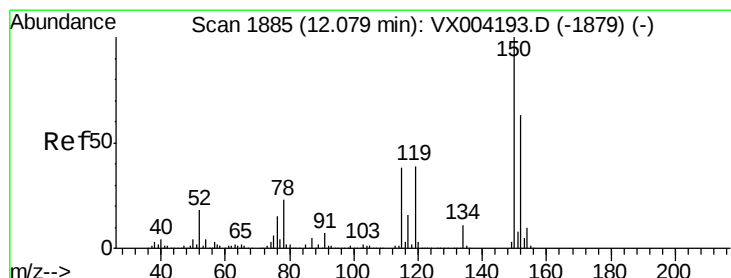
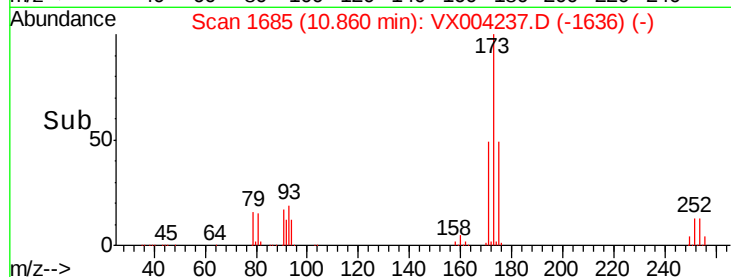
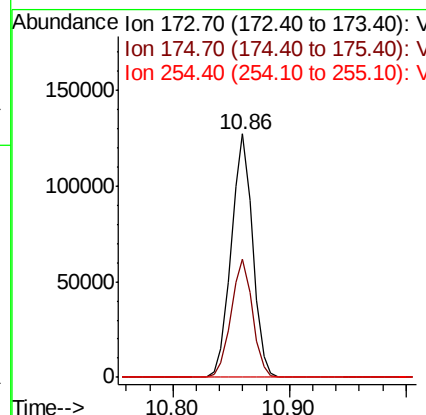
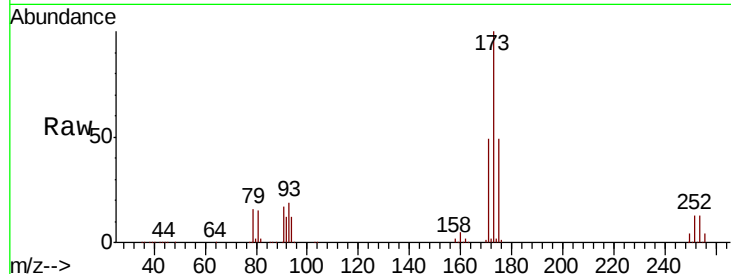
#71
Bromoform
Concen: 50.80 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.2	0.2	0.2

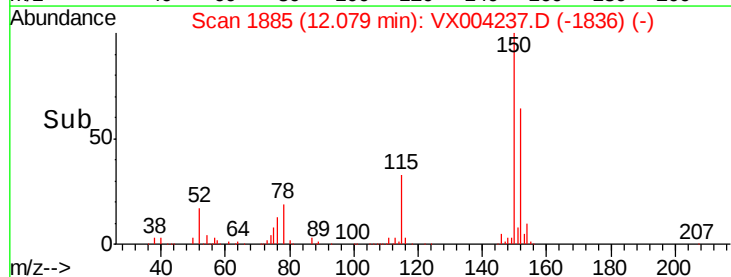
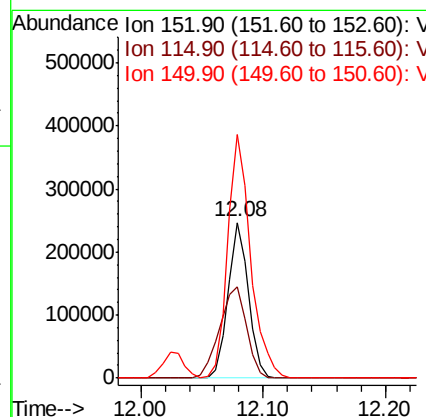
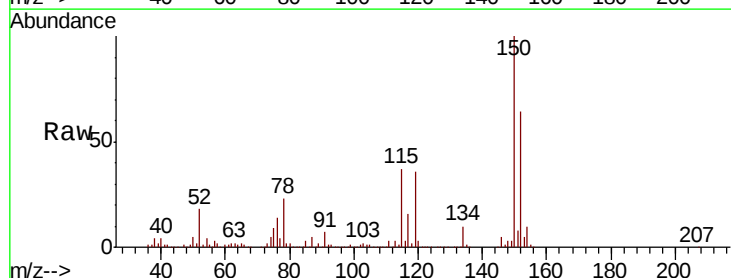
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.1	39.0	117.0
150	176.9	0.0	351.0





#73

Isopropylbenzene

Concen: 54.38 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1011905

Ion Ratio Lower Upper

105 100

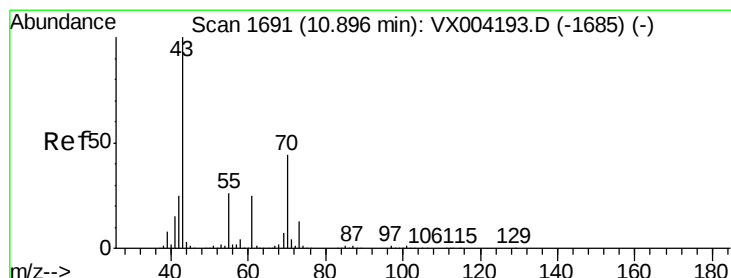
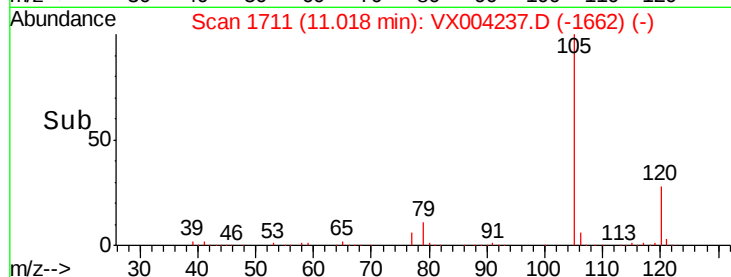
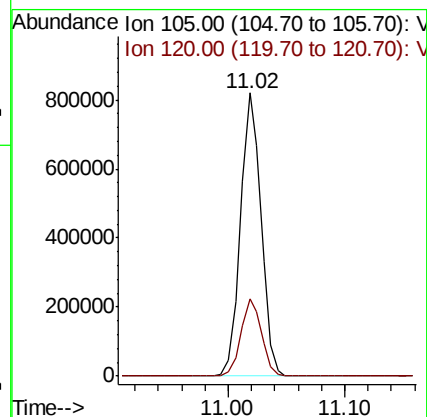
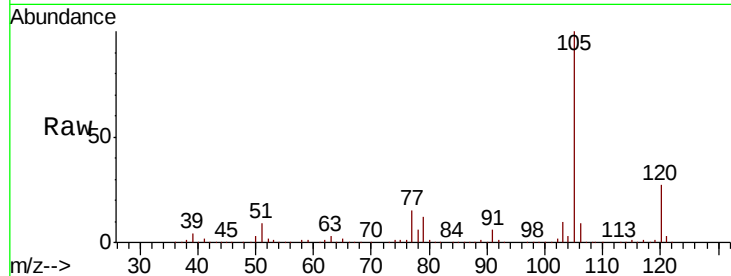
120 27.2 13.5 40.4

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#74

N-ethyl acetate

Concen: 53.73 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion: 43 Resp: 384947

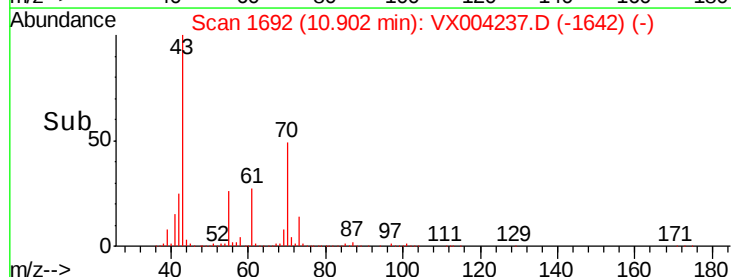
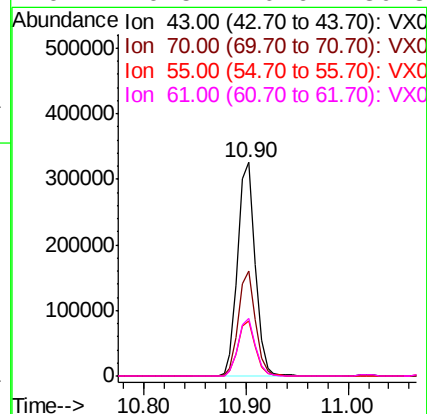
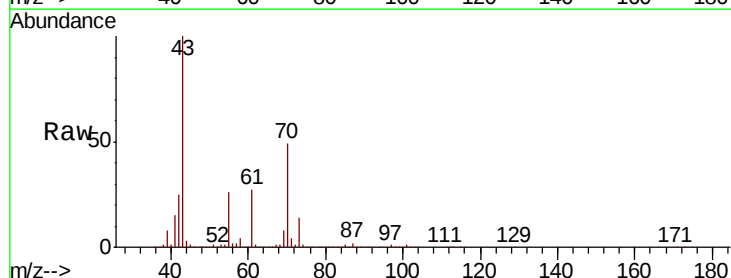
Ion Ratio Lower Upper

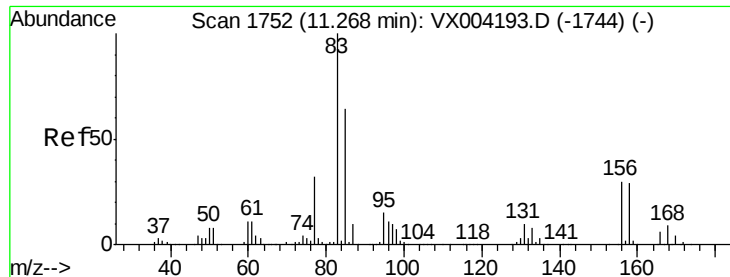
43 100

70 48.0 37.4 56.0

55 25.9 21.8 32.8

61 26.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.47 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

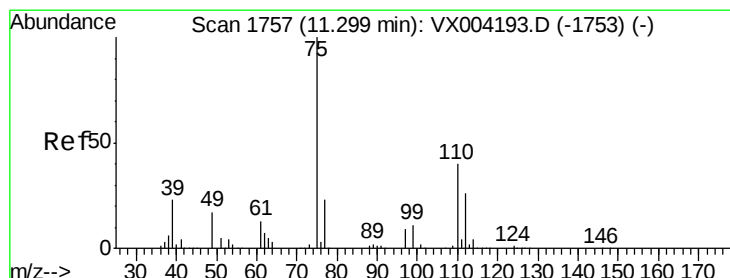
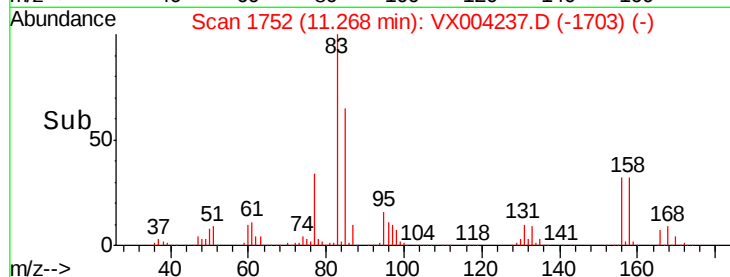
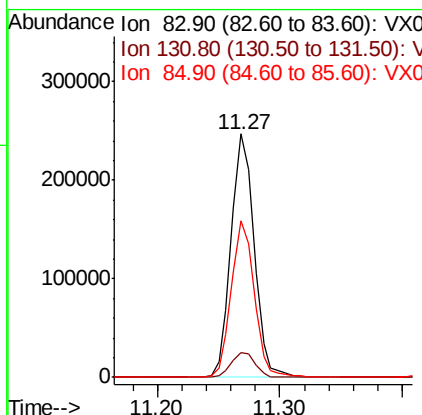
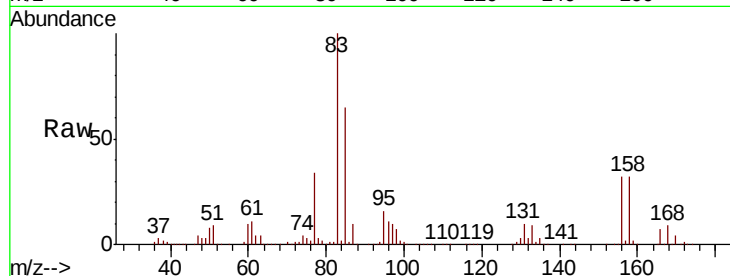
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	322141
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 49.85 ug/l m

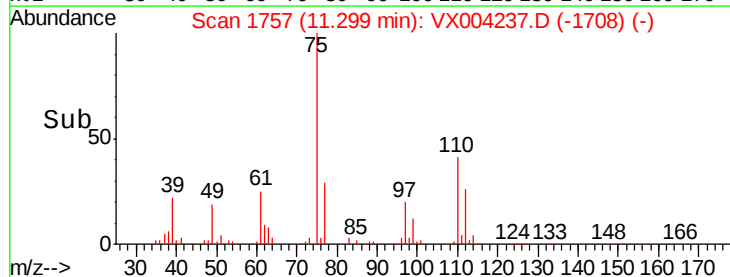
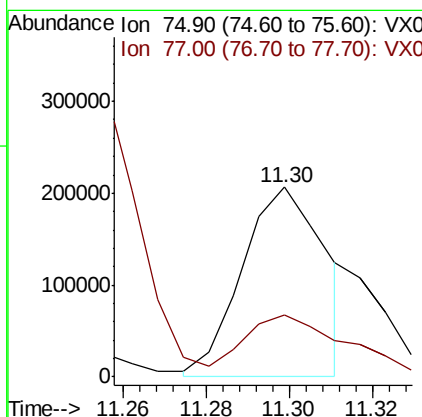
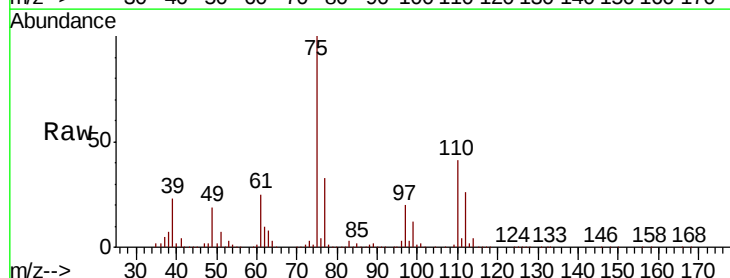
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion:	75	Resp:	287246
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.2	60.6





#77

Bromobenzene

Concen: 51.66 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

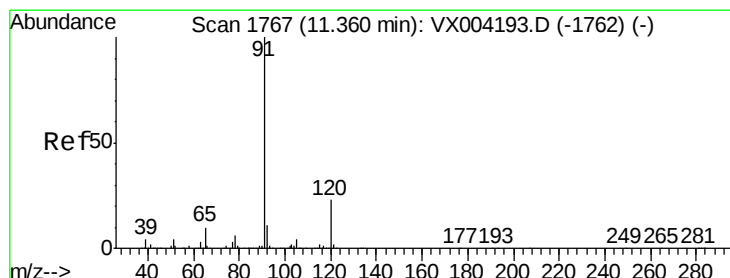
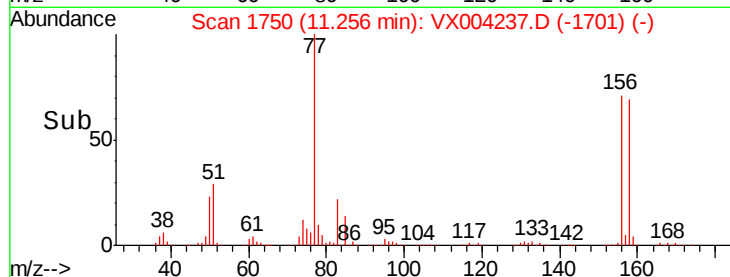
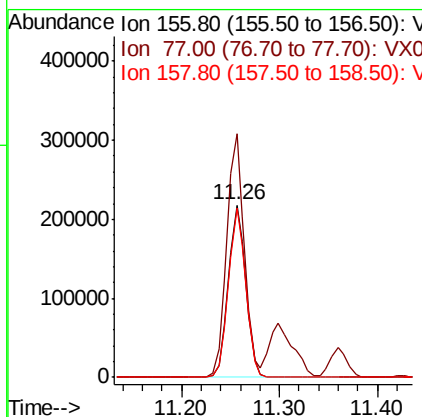
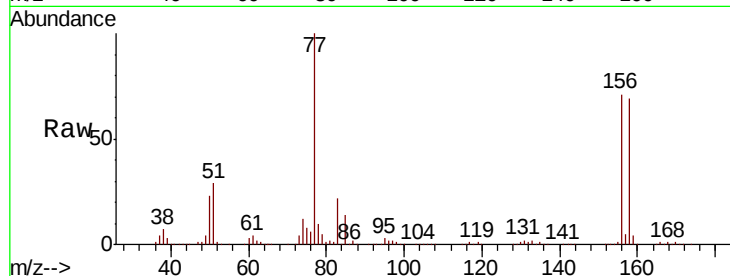
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	269654
Ion	Ratio	Lower	Upper
156	100		
77	142.6	71.5	214.3
158	97.5	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 54.20 ug/l

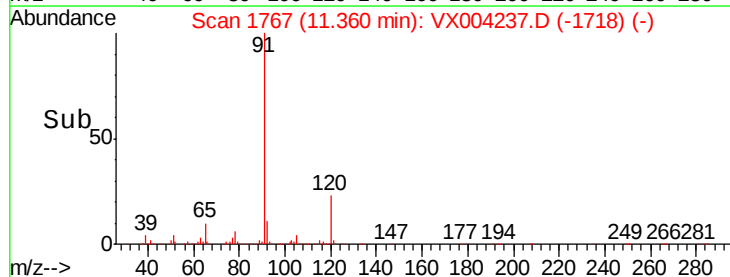
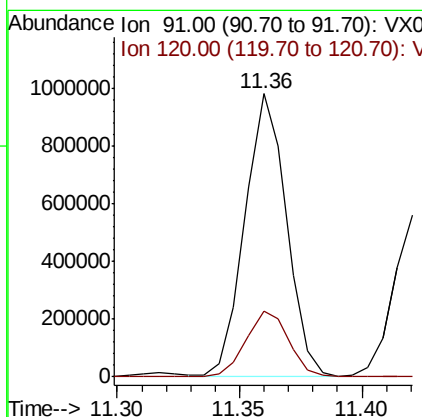
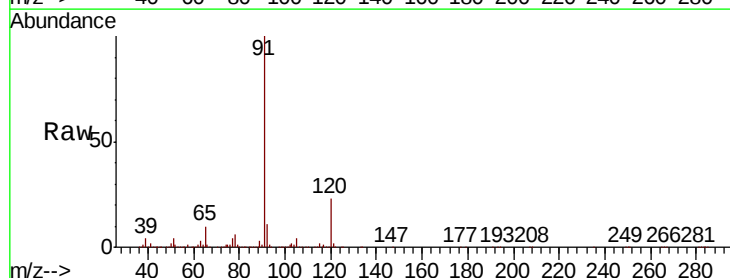
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Tgt Ion:	91	Resp:	1160070
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 51.64 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 680312

Ion Ratio Lower Upper

91 100

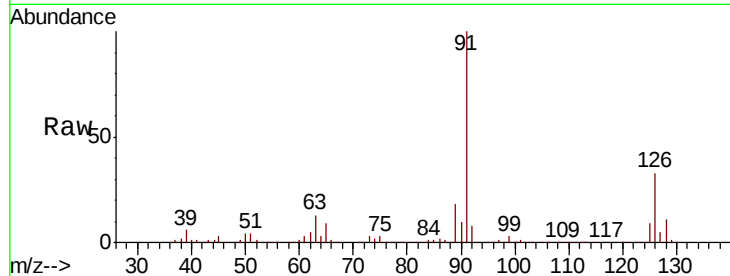
126 34.6 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

1000000

800000

600000

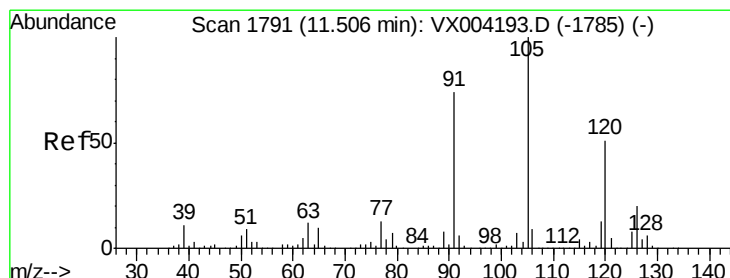
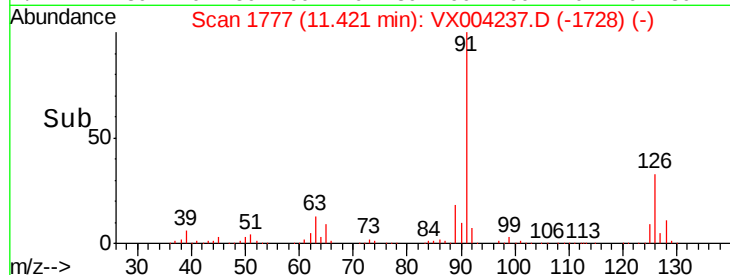
400000

200000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.60 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX004237.D

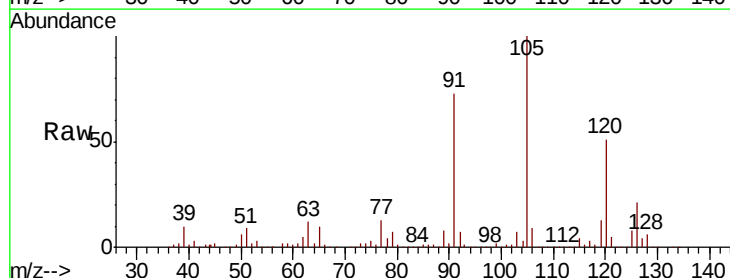
Acq: 23 Aug 2018 19:53

Tgt Ion: 105 Resp: 841440

Ion Ratio Lower Upper

105 100

120 50.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

800000

600000

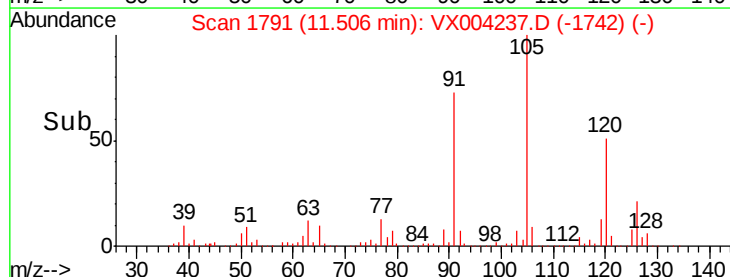
400000

200000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.07 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 90702

Ion Ratio Lower Upper

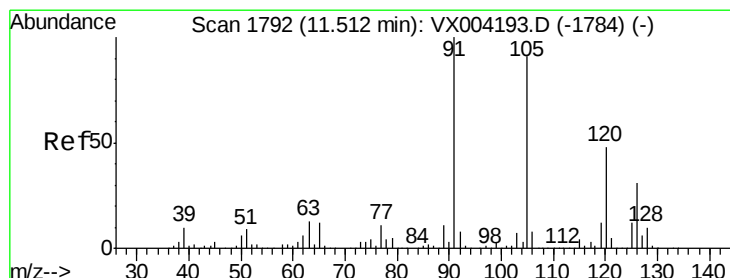
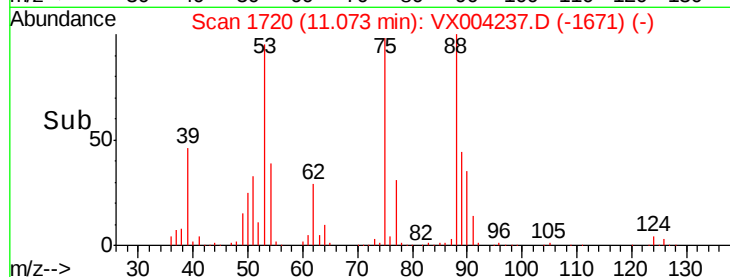
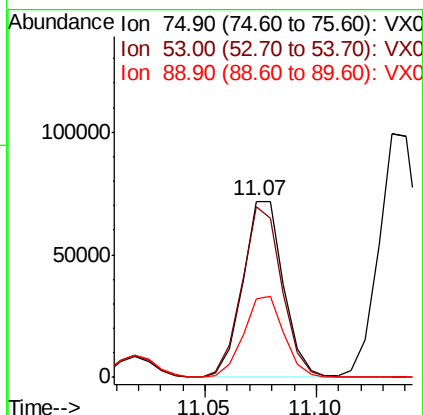
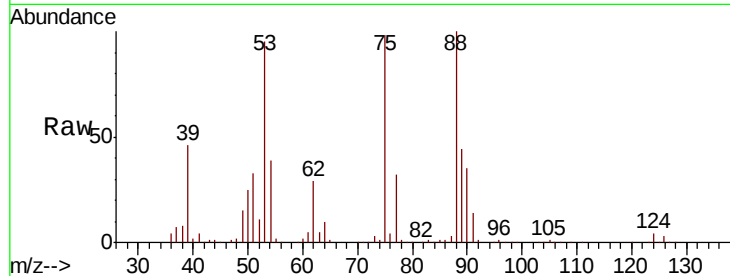
75 100

53 96.6 80.1 120.1

89 46.0 37.2 55.8

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#82

4-Chlorotoluene

Concen: 51.67 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004237.D

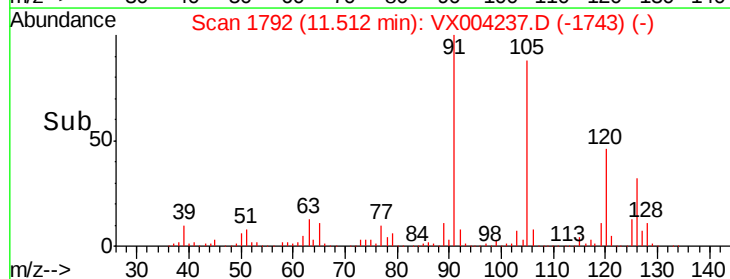
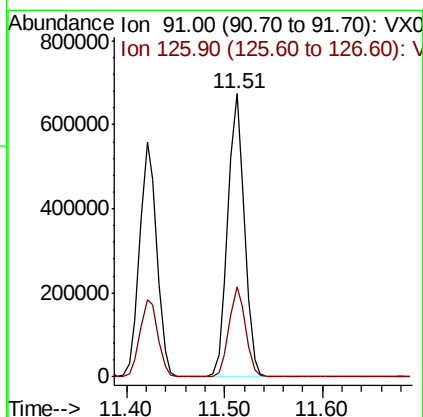
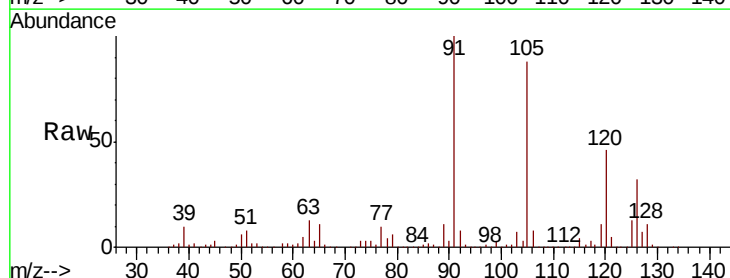
Acq: 23 Aug 2018 19:53

Tgt Ion: 91 Resp: 801008

Ion Ratio Lower Upper

91 100

126 31.5 15.5 46.5





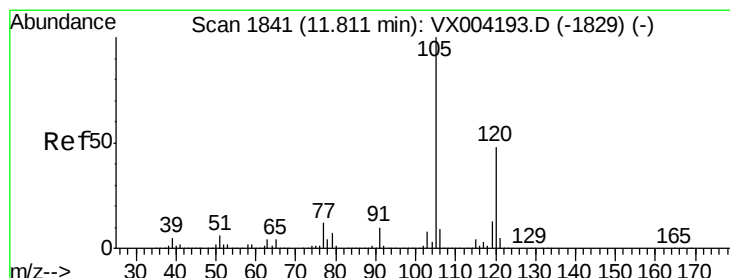
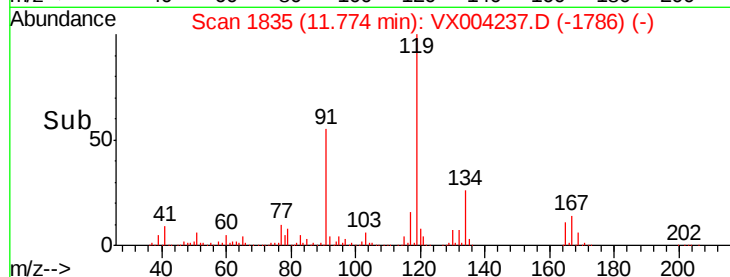
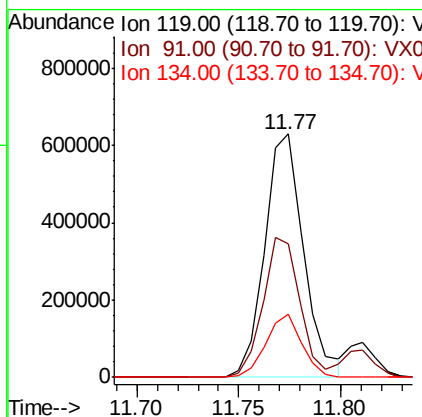
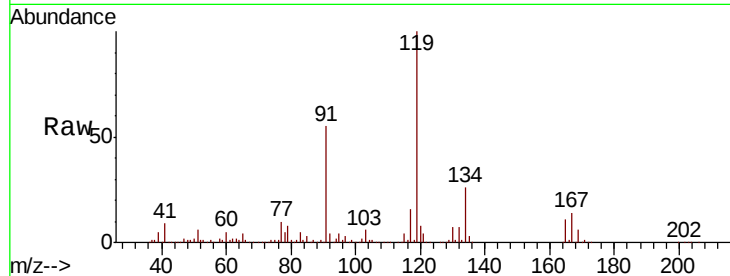
#83
 tert-Butylbenzene
 Concen: 54.14 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.2	27.0	81.0
134	23.9	11.7	35.1

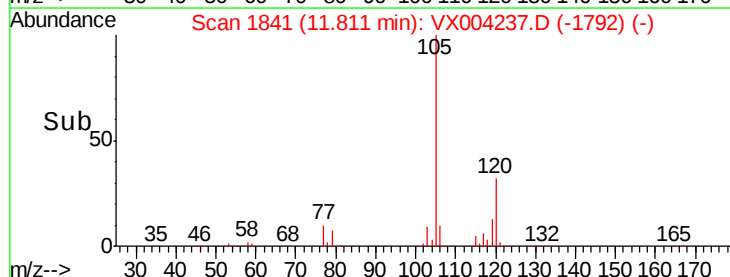
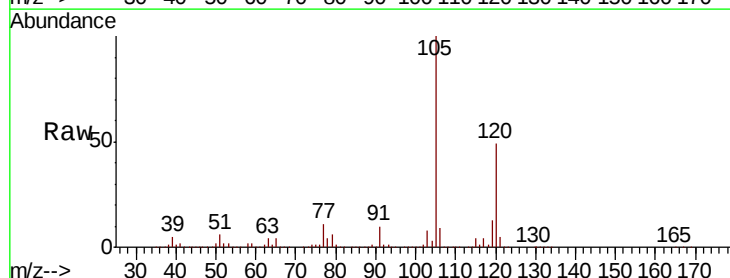
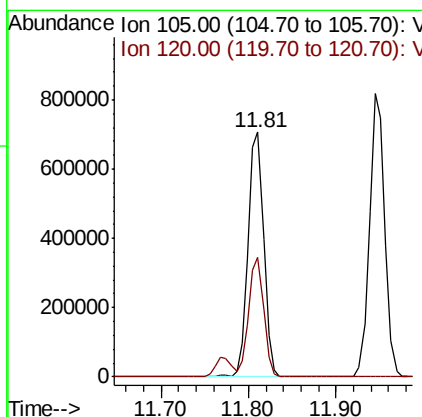
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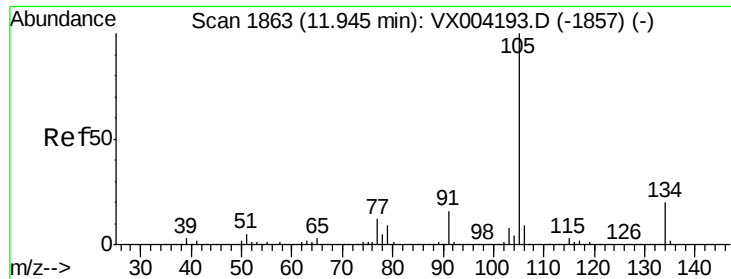
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.06 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





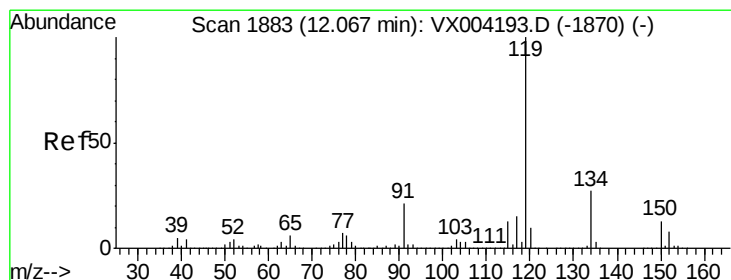
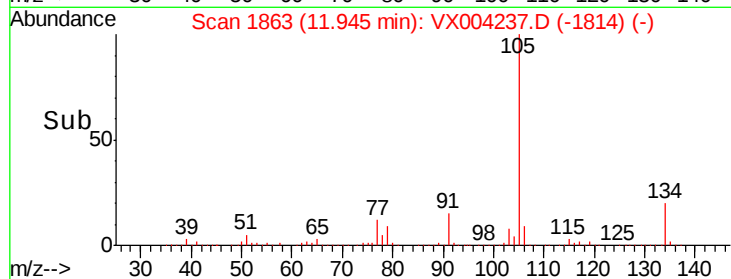
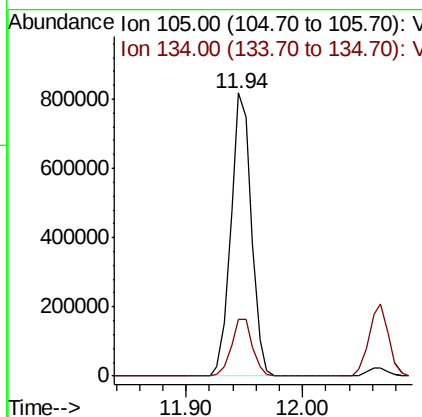
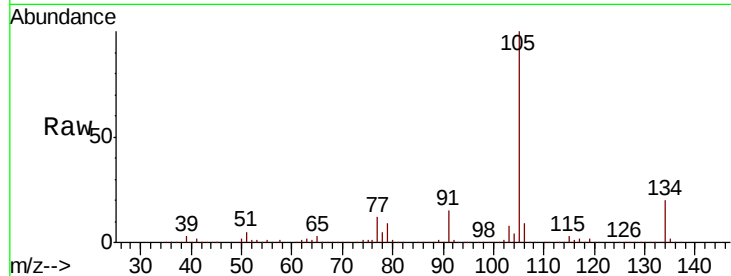
#85
 sec-Butylbenzene
 Concen: 54.22 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

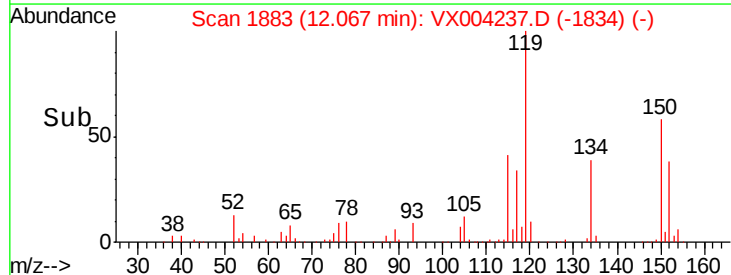
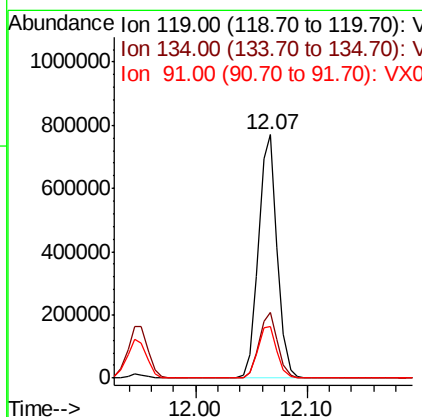
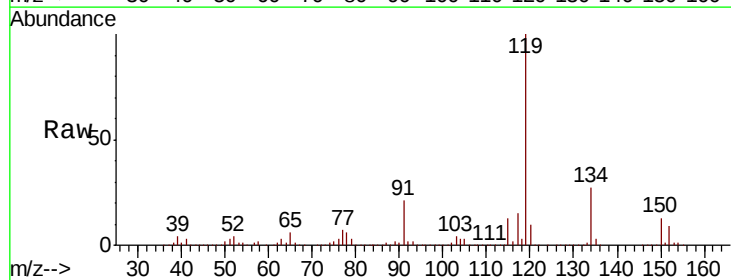
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#86
 p-Isopropyltoluene
 Concen: 54.58 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	21.8	10.9	32.7





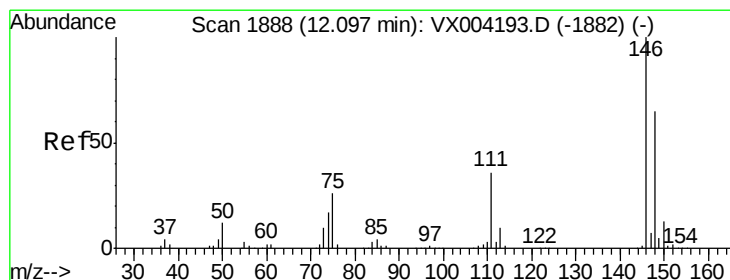
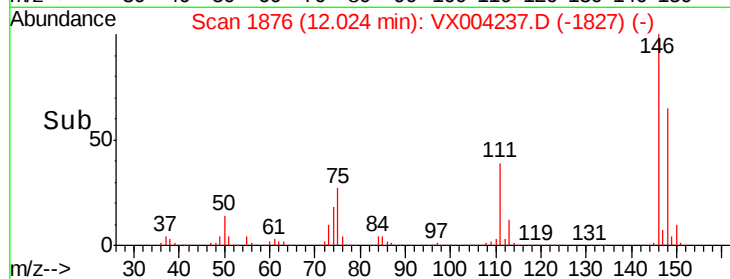
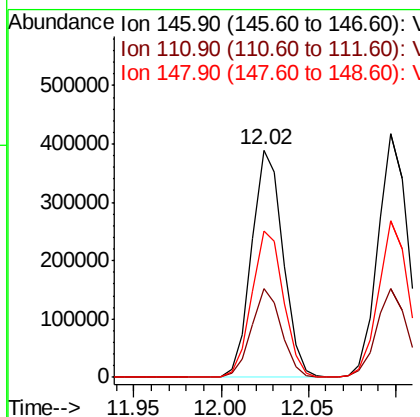
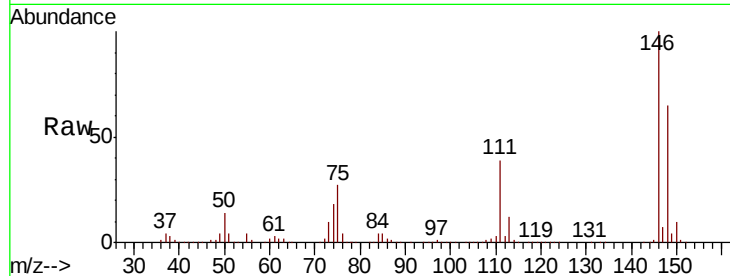
#87
 1,3-Dichlorobenzene
 Concen: 49.39 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	65.1	32.1	96.5

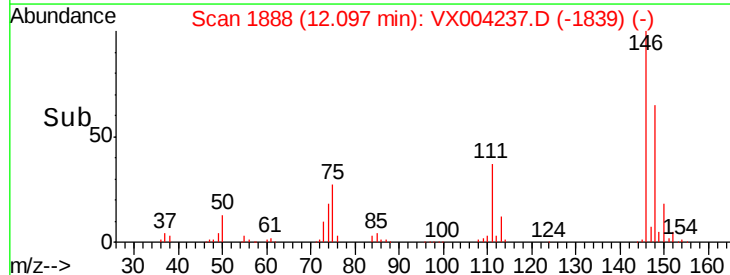
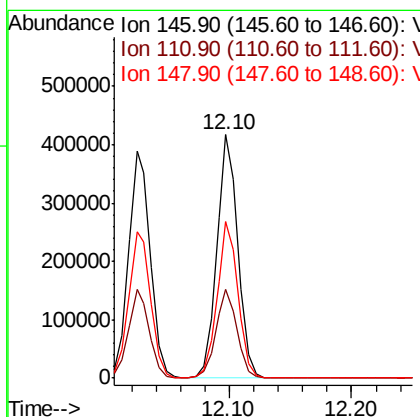
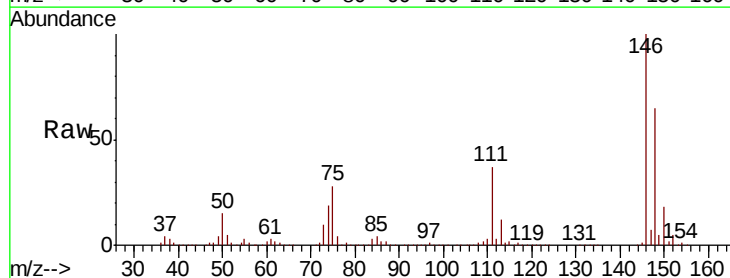
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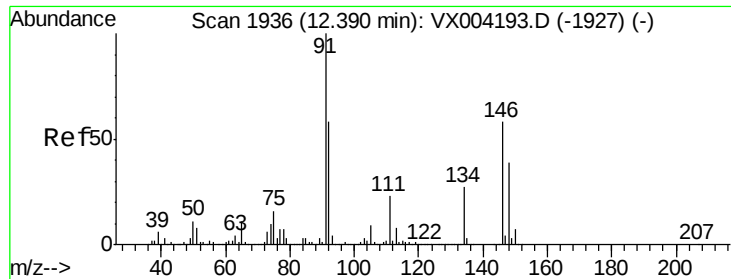
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#88
 1,4-Dichlorobenzene
 Concen: 48.04 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	64.0	32.0	96.0





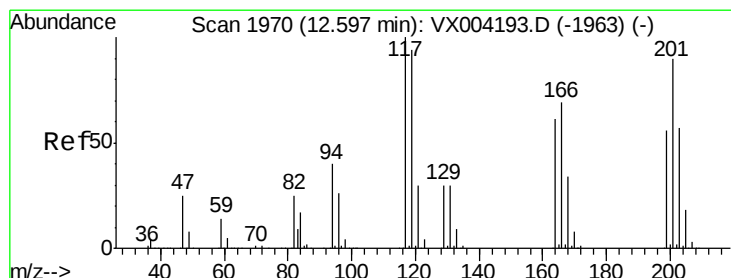
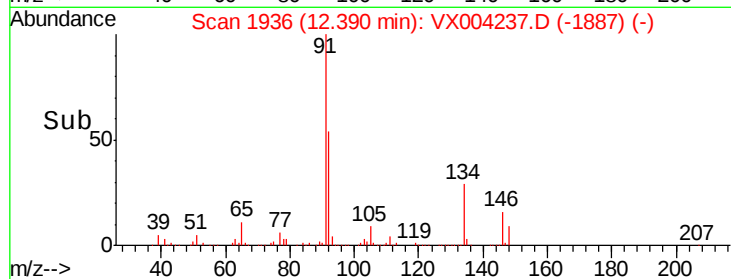
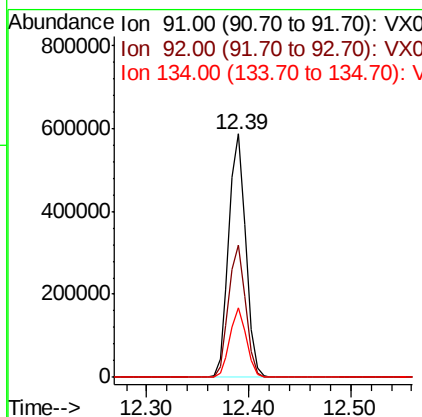
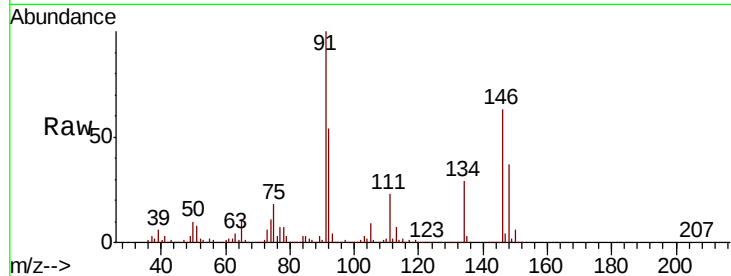
#89
n-Butylbenzene
Concen: 50.27 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.3	81.9
134	27.7	13.6	40.7

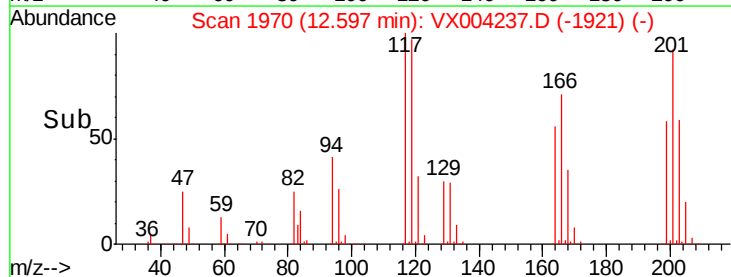
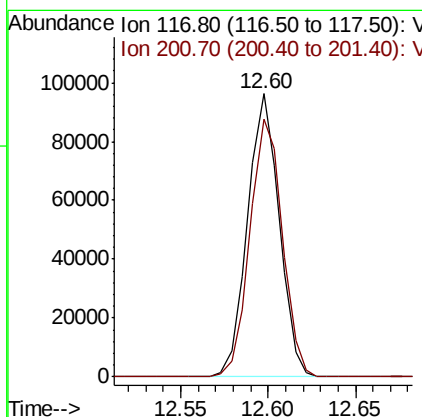
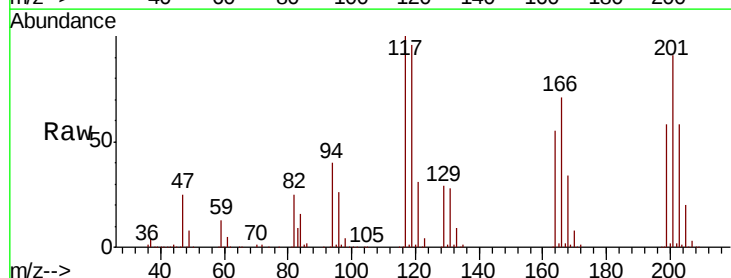
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#90
Hexachloroethane
Concen: 52.63 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004237.D
Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	46.9	140.6





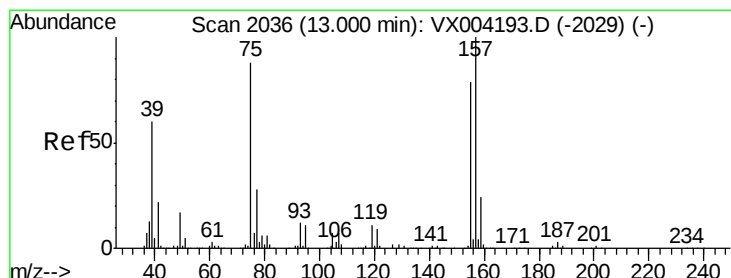
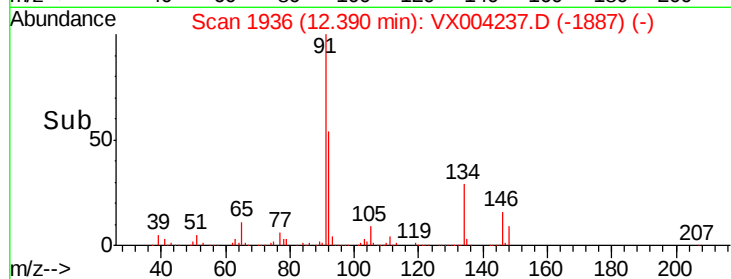
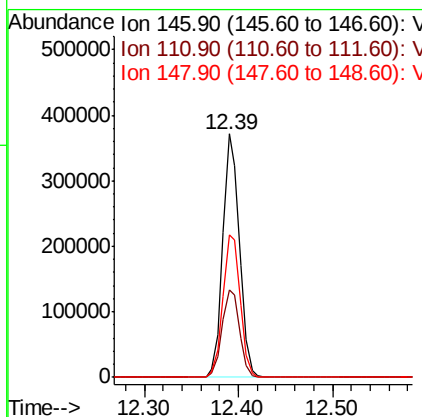
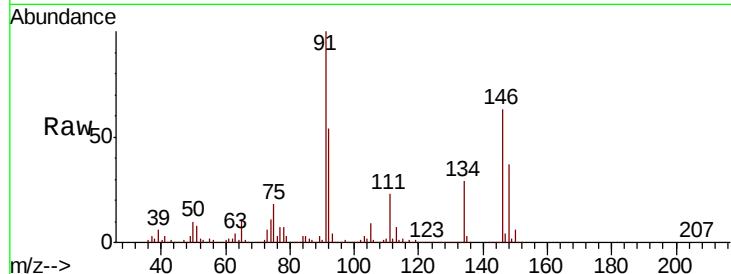
#91
 1,2-Dichlorobenzene
 Concen: 50.34 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	61.0	32.8	98.3

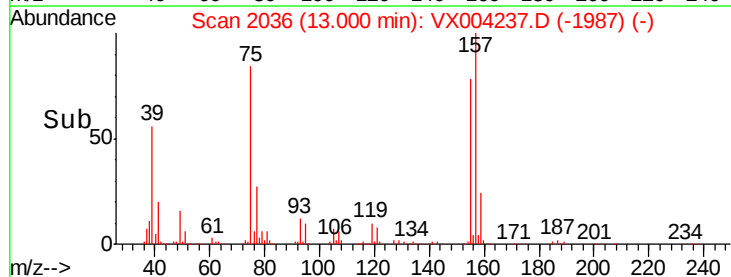
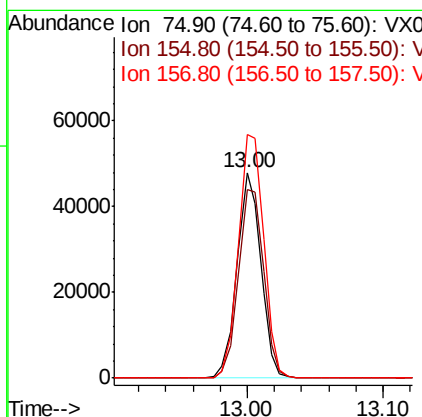
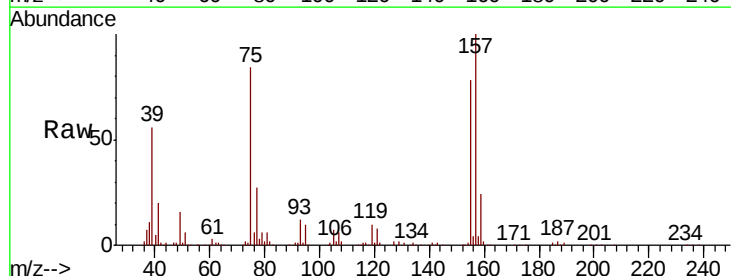
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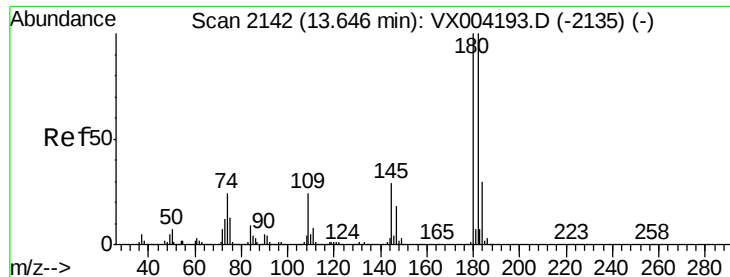
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.82 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.0	144.2
157	126.4	61.4	184.1





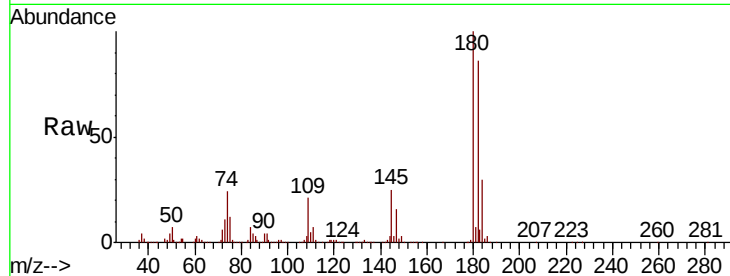
#93
 1,2,4-Trichlorobenzene
 Concen: 52.51 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

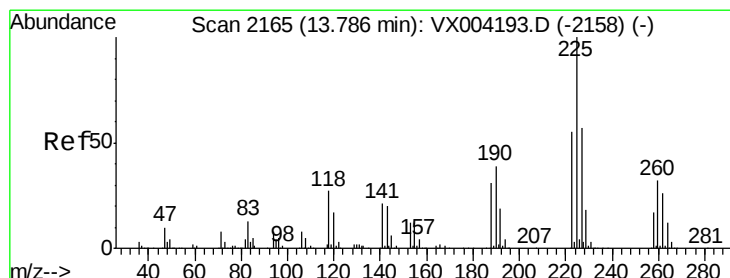
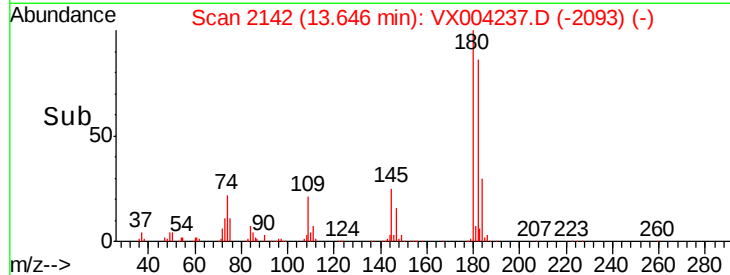
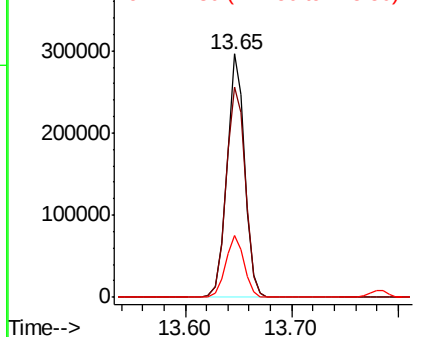
Tot Ion:	180	Resp:	343209
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.4	145.0
145	26.5	14.3	42.9

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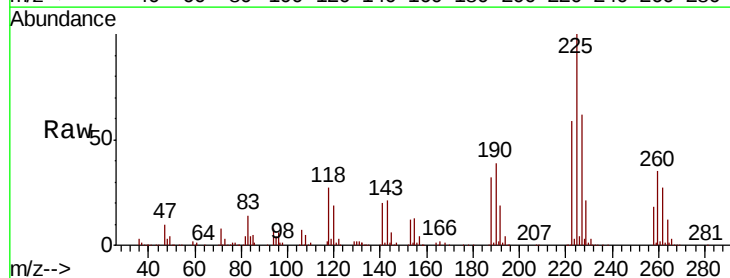


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

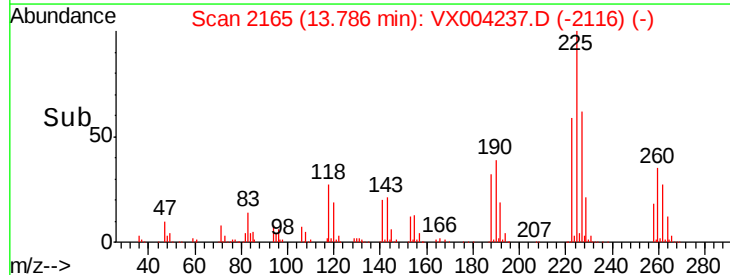
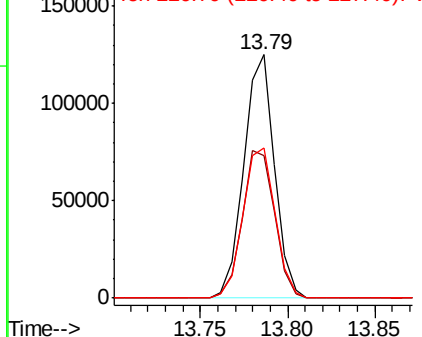


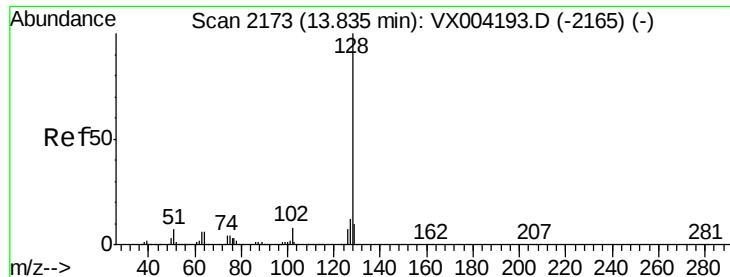
#94
 Hexachlorobutadiene
 Concen: 49.95 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004237.D
 Acq: 23 Aug 2018 19:53

Tgt Ion:	225	Resp:	151884
Ion Ratio	Lower	Upper	
225	100		
223	63.9	30.1	90.5
227	64.8	30.8	92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 57.04 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1054411

Ion Ratio Lower Upper

128 100

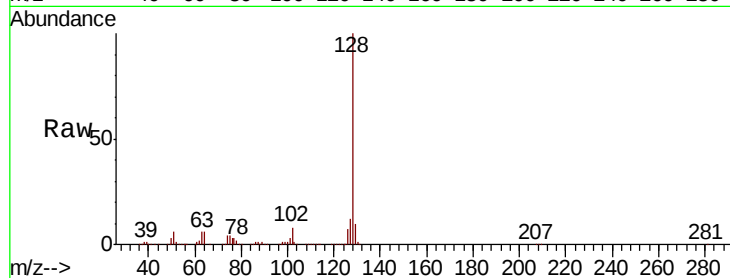
127 12.6 10.2 15.2

129 11.0 8.6 12.8

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MMDadoda

8/24/2018 11:36:16 AM

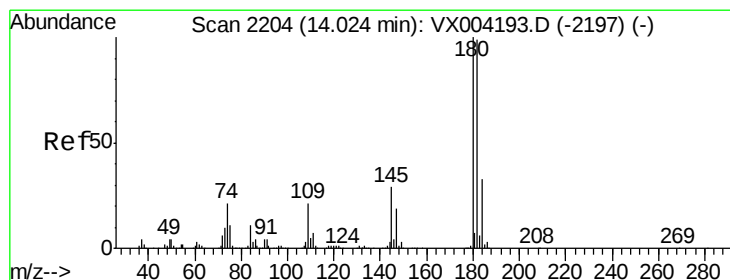
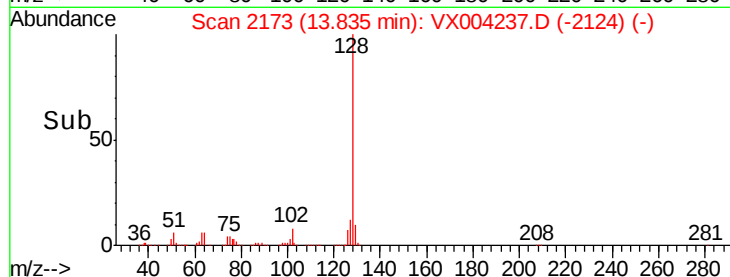
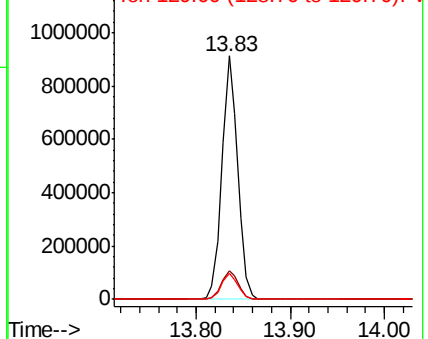


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.19 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004237.D

Acq: 23 Aug 2018 19:53

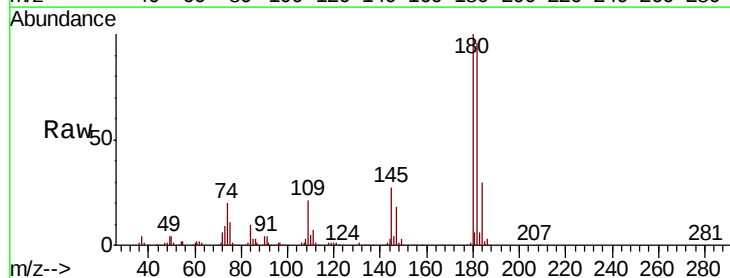
Tgt Ion:180 Resp: 361094

Ion Ratio Lower Upper

180 100

182 95.8 48.5 145.6

145 29.3 14.9 44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

