

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090718\
 Data File : VX004422.D
 Acq On : 07 Sep 2018 22:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:32 AM

Quant Time: Sep 08 05:05:42 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	5.67	168	325230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	473595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	439586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	281979	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204063	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	5.50	113	179524	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	8.71	98	669689	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.14	95	258397	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	146857	38.98	ug/l	96
3) Chloromethane	1.32	50	172292	41.43	ug/l	100
4) Vinyl Chloride	1.40	62	193394	45.38	ug/l	99
5) Bromomethane	1.64	94	77355	36.27	ug/l	97
6) Chloroethane	1.71	64	138673	45.71	ug/l	98
7) Trichlorofluoromethane	1.92	101	278379	47.67	ug/l	94
8) Diethyl Ether	2.18	74	129574	51.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	173558	47.45	ug/l	99
10) Methyl Iodide	2.51	142	169006	41.72	ug/l	98
11) Tert butyl alcohol	3.07	59	257524	285.00	ug/l	99
12) 1,1-Dichloroethene	2.37	96	166666	48.37	ug/l	98
13) Acrolein	2.29	56	63570	291.81	ug/l	97
14) Allyl chloride	2.72	41	327896	51.80	ug/l	95
15) Acrylonitrile	3.15	53	608681	272.00	ug/l	100
16) Acetone	2.45	43	479138	277.79	ug/l	97
17) Carbon Disulfide	2.56	76	401992	42.14	ug/l	100
18) Methyl Acetate	2.78	43	441060	70.12	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	607227	53.48	ug/l	97
20) Methylene Chloride	2.85	84	199172	48.81	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	178813	46.89	ug/l	98
22) Diisopropyl ether	3.87	45	621403	52.58	ug/l	95
23) Vinyl Acetate	3.82	43	2325009	242.71	ug/l	99
24) 1,1-Dichloroethane	3.69	63	352150	51.13	ug/l	99
25) 2-Butanone	4.70	43	777164	273.89	ug/l	99
26) 2,2-Dichloropropane	4.58	77	204055	37.77	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	212526	49.13	ug/l	97
28) Bromochloromethane	5.01	49	160806	52.73	ug/l	98
29) Tetrahydrofuran	5.16	42	496122	272.41	ug/l	99
30) Chloroform	5.21	83	351028	50.83	ug/l	99
31) Cyclohexane	5.57	56	287563	48.39	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	288719	50.14	ug/l	99
36) 1,1-Dichloropropene	5.79	75	254117	47.73	ug/l	99
37) Ethyl Acetate	4.86	43	269833	51.53	ug/l	99
38) Carbon Tetrachloride	5.78	117	246637	49.24	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	294266	48.41	ug/l	100
40) Benzene	6.14	78	796911	50.09	ug/l	100
41) Methacrylonitrile	5.06	41	163894	54.00	ug/l	99
42) 1,2-Dichloroethane	6.20	62	266531	49.11	ug/l	99
43) Isopropyl Acetate	6.46	43	431764	53.66	ug/l	99
44) Trichloroethene	7.21	130	216194	49.09	ug/l	99
45) 1,2-Dichloropropane	7.52	63	209921	52.72	ug/l	98
46) Dibromomethane	7.66	93	132148	49.84	ug/l	99
47) Bromodichloromethane	7.90	83	260722	52.85	ug/l	99
48) Methyl methacrylate	7.77	41	234696	54.51	ug/l	98
49) 1,4-Dioxane	7.76	88	114570	1172.07	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1523362	260.57	ug/l	100
52) Toluene	8.79	92	507388	50.95	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	281033	51.58	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	308311	51.95	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	212934	52.97	ug/l	98
56) Ethyl methacrylate	9.18	69	311812	56.98	ug/l	98
57) 1,3-Dichloropropane	9.37	76	357576	52.77	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	779785	278.09	ug/l	99
59) 2-Hexanone	9.50	43	1160806	260.27	ug/l	99
60) Dibromochloromethane	9.59	129	211880	54.10	ug/l	100
61) 1,2-Dibromoethane	9.67	107	212866	51.17	ug/l	99
64) Tetrachloroethene	9.34	164	227940	52.49	ug/l	98
65) Chlorobenzene	10.14	112	537784	48.75	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.22	131	199633	52.46	ug/l	98
67) Ethyl Benzene	10.25	91	957877	53.46	ug/l	98
68) m/p-Xylenes	10.36	106	749200	106.94	ug/l	95
69) o-Xylene	10.70	106	348107	52.53	ug/l	97
70) Styrene	10.71	104	594903	55.44	ug/l	99
71) Bromoform	10.86	173	167106	54.48	ug/l	100
73) Isopropylbenzene	11.02	105	994506	53.70	ug/l	100
74) N-amyl acetate	10.90	43	381974	53.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	323594	49.93	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	294870m	51.42	ug/l	
77) Bromobenzene	11.26	156	263192	50.66	ug/l	99
78) n-propylbenzene	11.36	91	1128525	52.98	ug/l	100
79) 2-Chlorotoluene	11.42	91	670397	51.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	824005	53.73	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	87478	49.49	ug/l	97
82) 4-Chlorotoluene	11.51	91	780409	50.59	ug/l	99
83) tert-Butylbenzene	11.77	119	824433	53.43	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	846131	53.75	ug/l	99
85) sec-Butylbenzene	11.94	105	1015102	55.41	ug/l	100
86) p-Isopropyltoluene	12.07	119	912961	55.61	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	482467	49.33	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	492501	47.76	ug/l	99
89) n-Butylbenzene	12.39	91	749834	56.16	ug/l	99
90) Hexachloroethane	12.60	117	129707	56.52	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	487146	54.49	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.00	75	62881	55.08	ug/l	98

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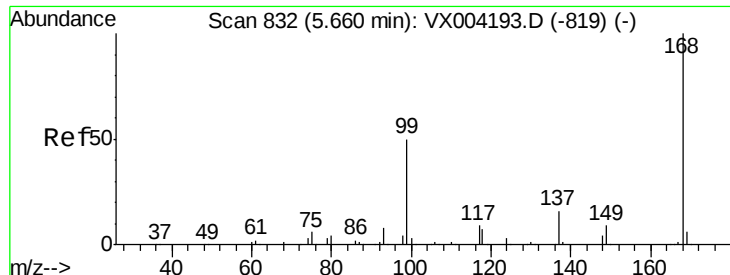
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	353186	54.30	ug/l	99
94) Hexachlorobutadiene	13.79	225	175268	57.94	ug/l	97
95) Naphthalene	13.83	128	1087721	59.13	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	372718	54.13	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 325230

Ion Ratio Lower Upper

168 100

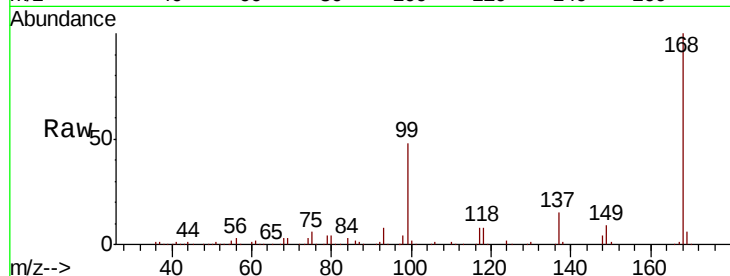
99 47.8 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

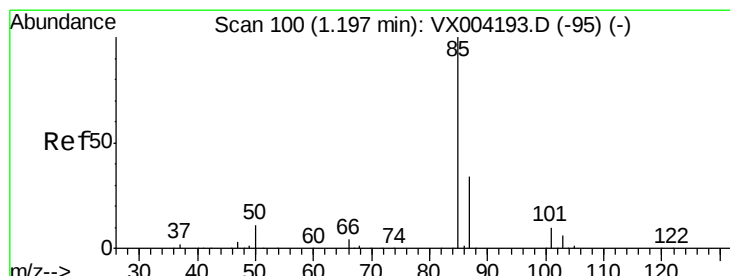
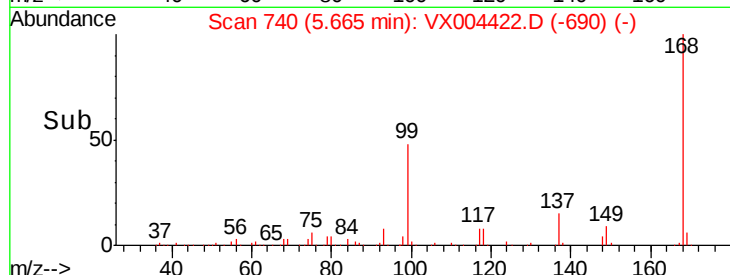
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 38.98 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX004422.D

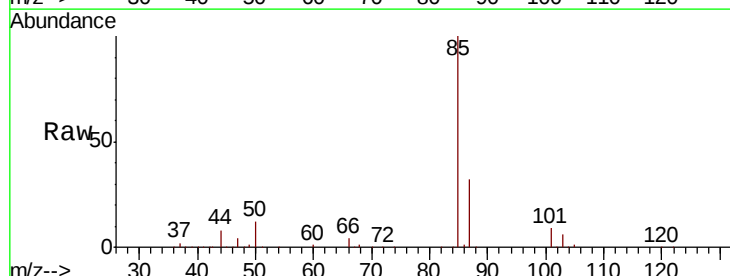
Acq: 07 Sep 2018 22:19

Tgt Ion: 85 Resp: 146857

Ion Ratio Lower Upper

85 100

87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

150000

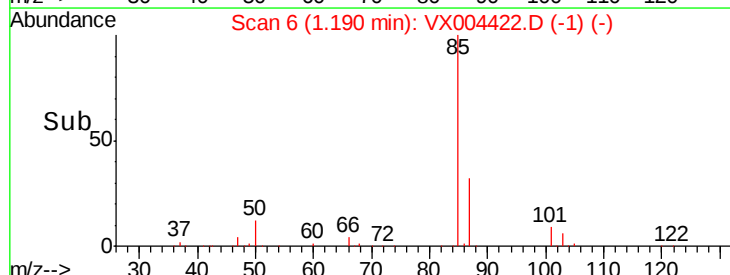
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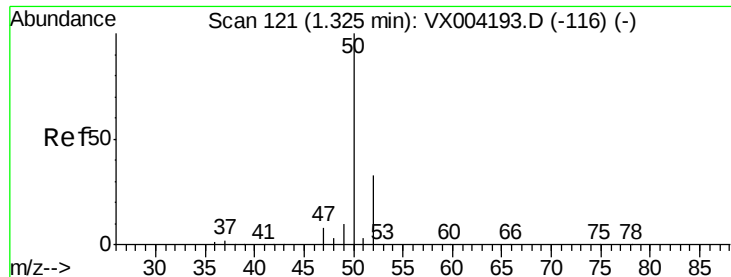
50000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 41.43 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 172292

Ion Ratio Lower Upper

50 100

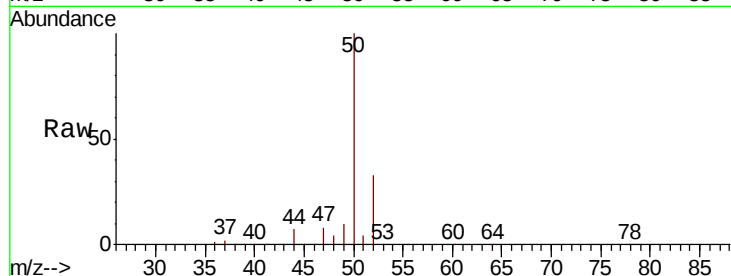
52 32.8 26.2 39.2

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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

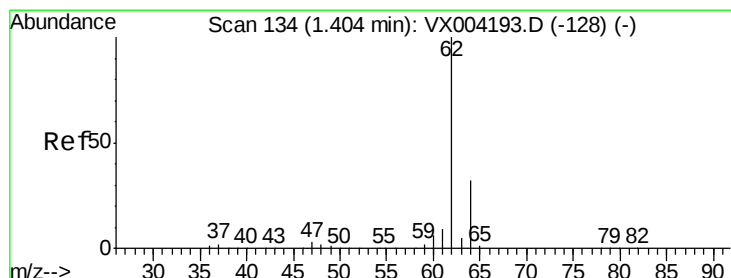
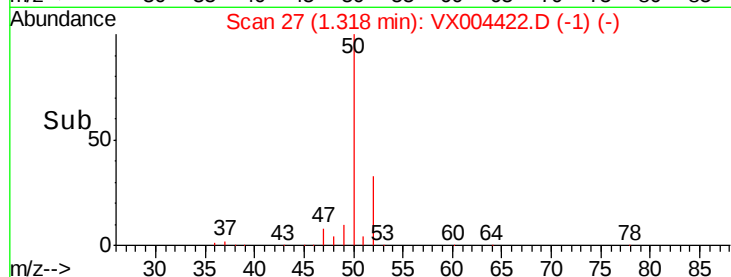
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.38 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004422.D

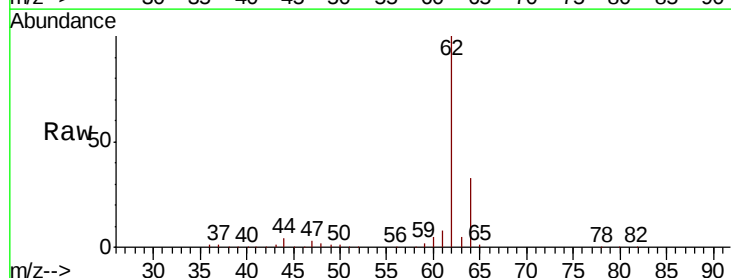
Acq: 07 Sep 2018 22:19

Tgt Ion: 62 Resp: 193394

Ion Ratio Lower Upper

62 100

64 32.7 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

200000

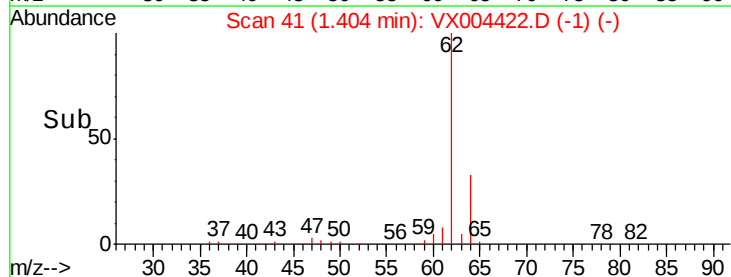
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 36.27 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77355

Ion Ratio Lower Upper

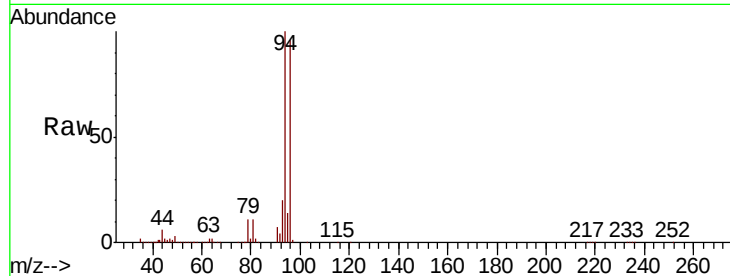
94 100

96 96.2 74.5 111.7

Manual Integrations
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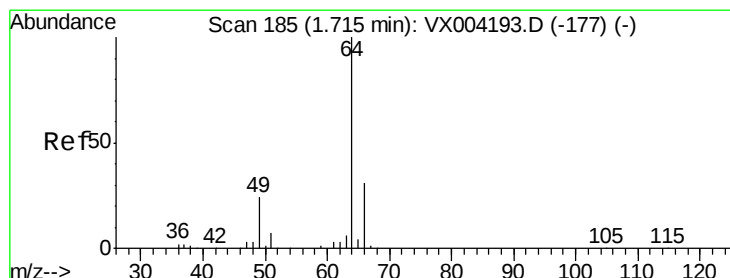
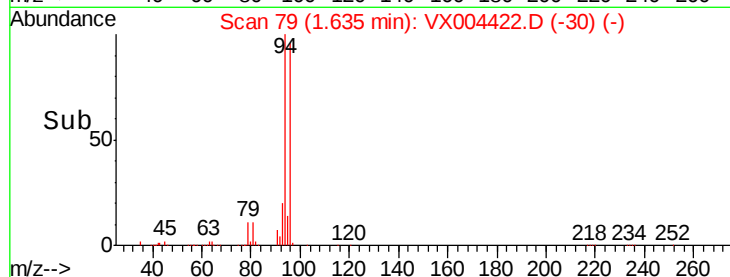
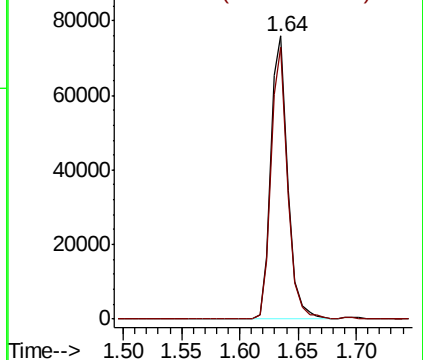
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.71 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004422.D

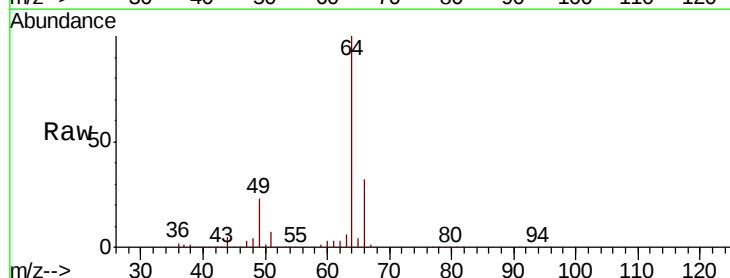
Acq: 07 Sep 2018 22:19

Tgt Ion: 64 Resp: 138673

Ion Ratio Lower Upper

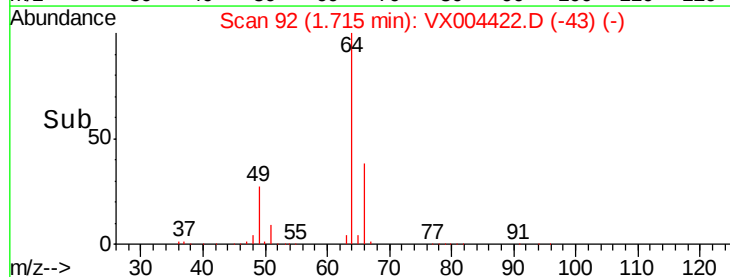
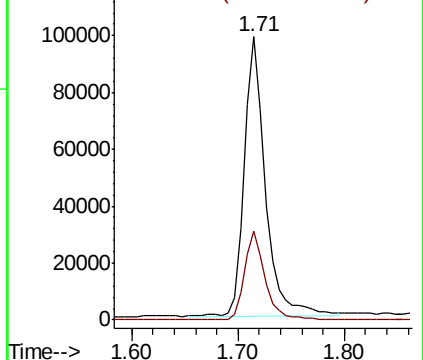
64 100

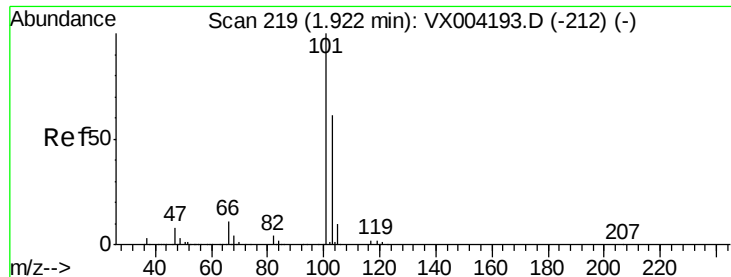
66 31.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

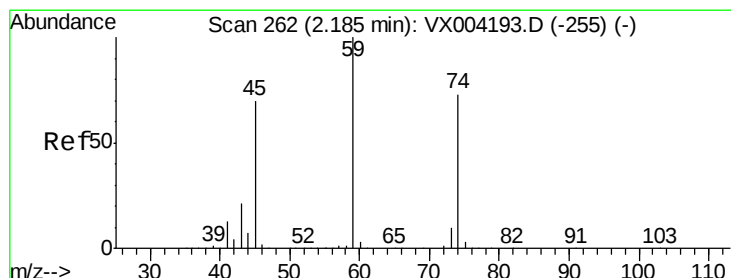
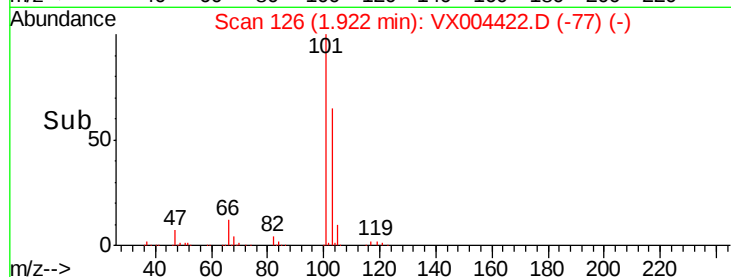
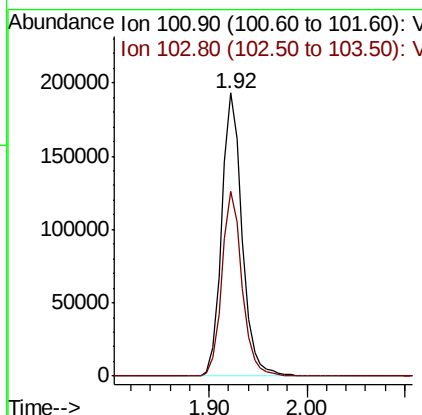
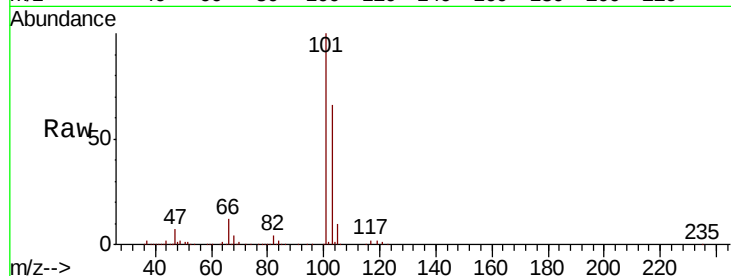
Trichlorofluoromethane
 Concen: 47.67 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	48.9	73.3

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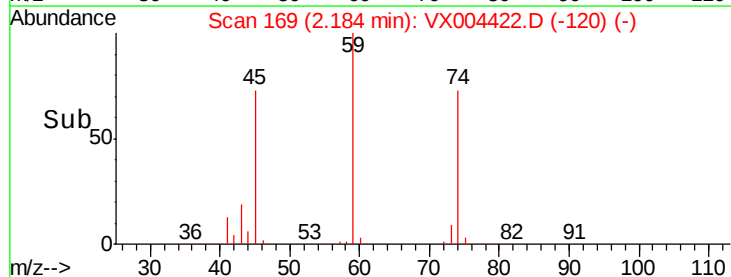
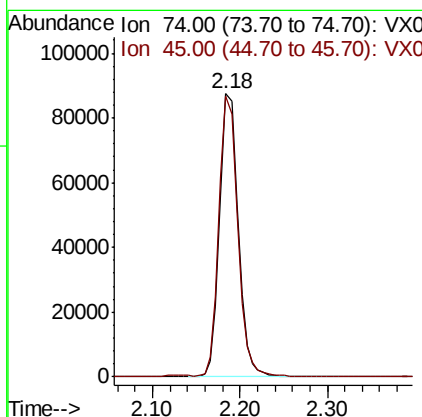
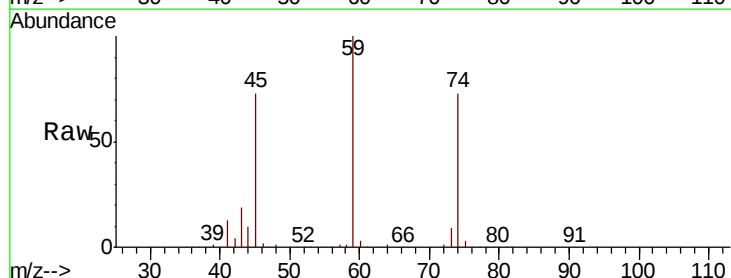
MMDadoda
 9/10/2018 11:15:32 AM

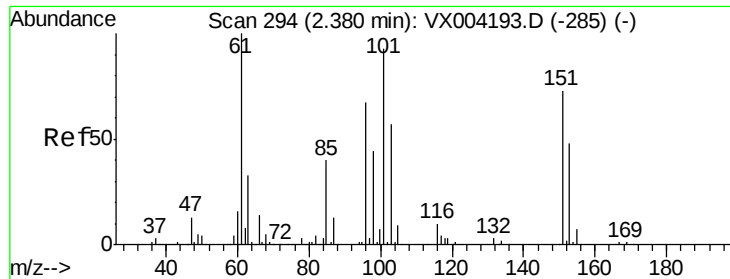


#8

Diethyl Ether
 Concen: 51.82 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.45 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

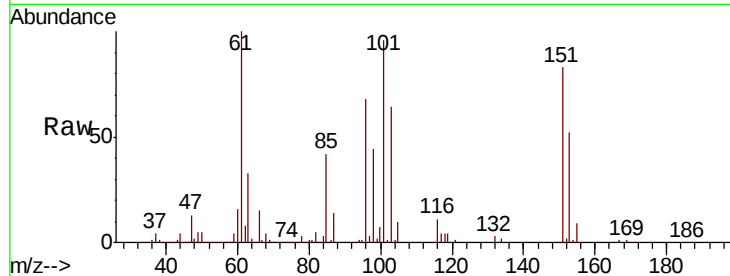
ClientSampleId :

VSTDCCC050

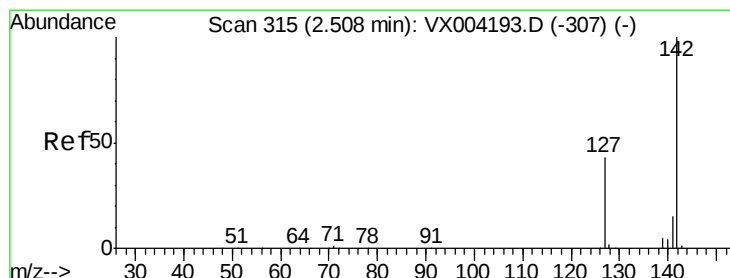
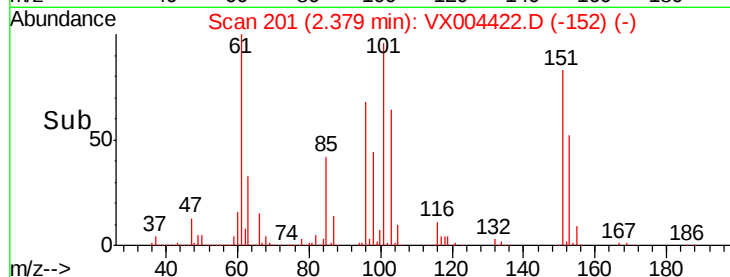
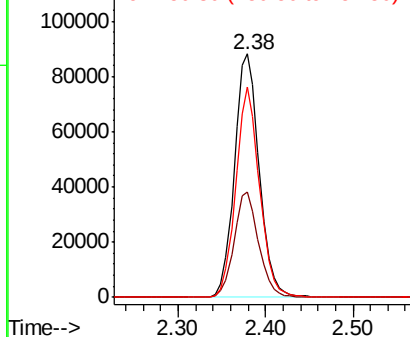
Tot Ion:	101	Resp:	173558
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	82.9	65.0	97.6

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



#10

Methyl Iodide

Concen: 41.72 ug/l

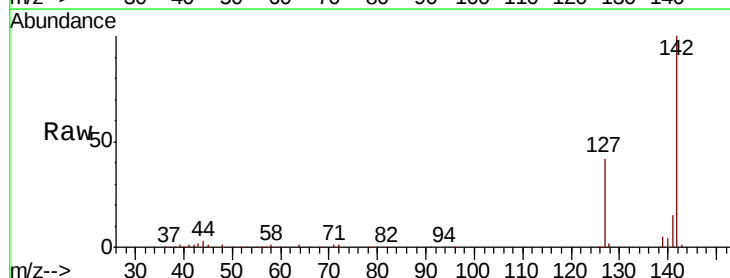
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

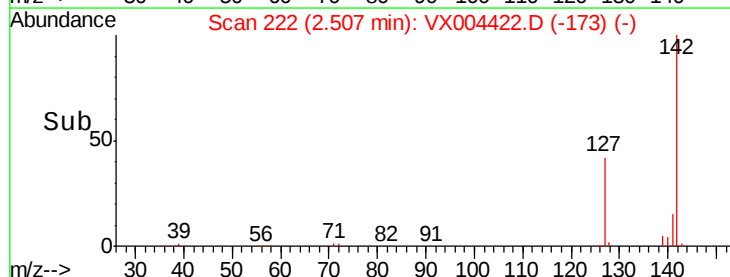
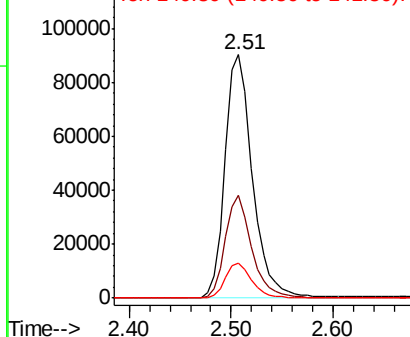
Lab File: VX004422.D

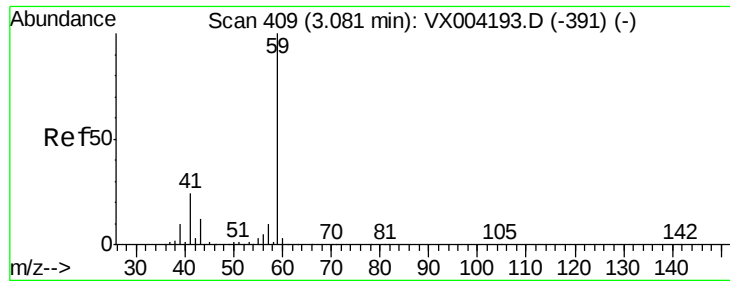
Acq: 07 Sep 2018 22:19

Tgt Ion:	142	Resp:	169006
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.8	50.6
141	14.5	11.4	17.0



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





#11

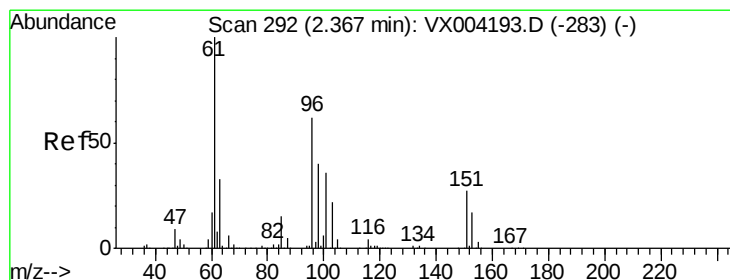
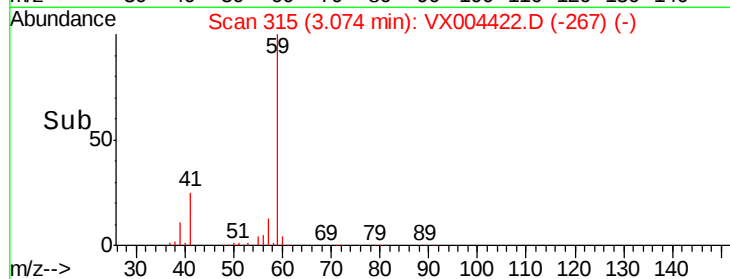
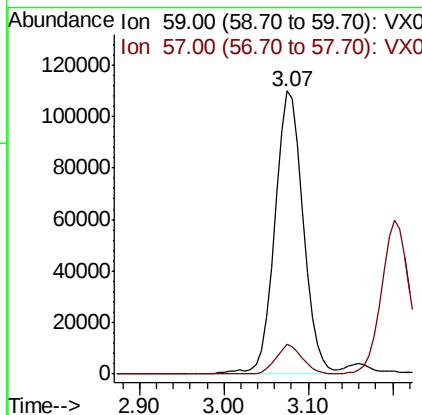
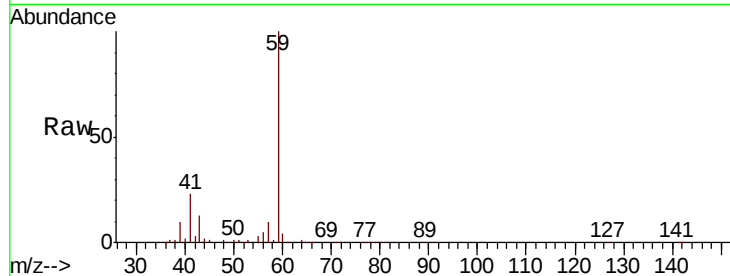
Tert butyl alcohol
Concen: 285.00 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
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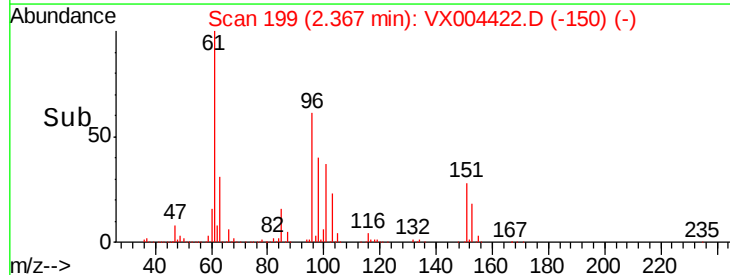
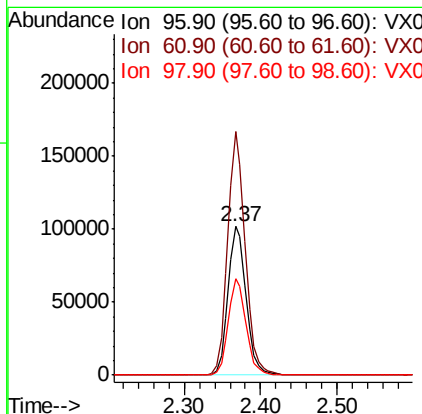
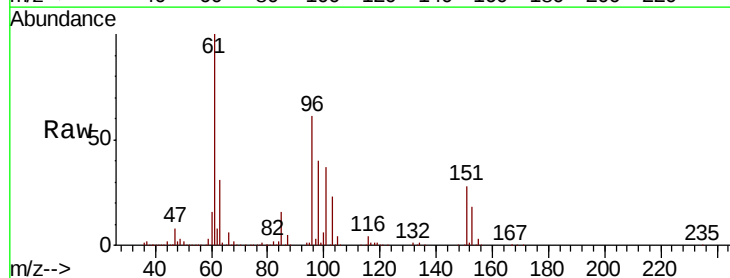
MMDadoda
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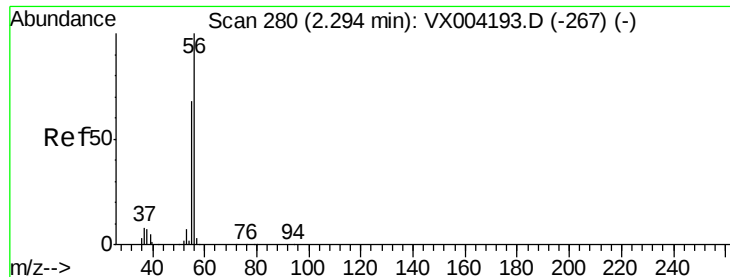


#12

1,1-Dichloroethene
Concen: 48.37 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	128.8	193.2
98	64.8	52.2	78.2





#13

Acrolein

Concen: 291.81 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63570

Ion Ratio Lower Upper

56 100

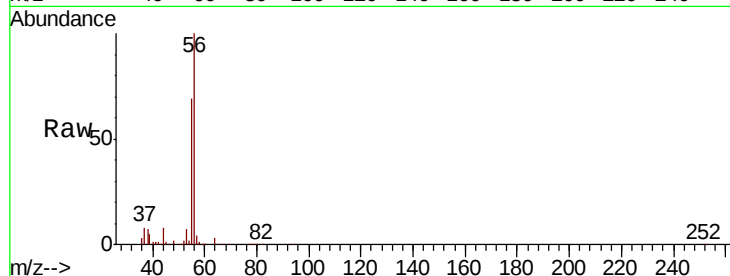
55 70.5 54.7 82.1

Manual Integrations

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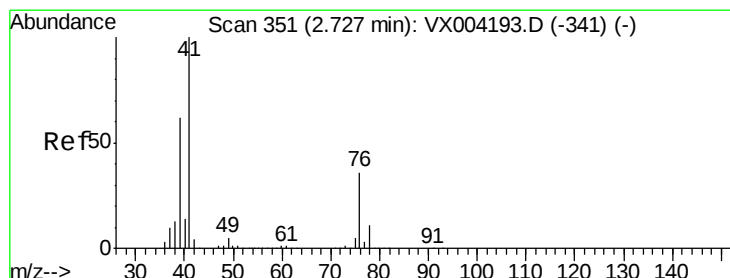
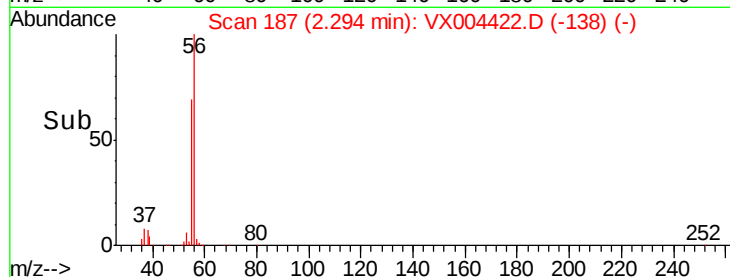
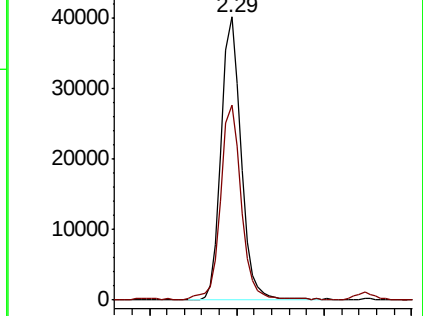
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.80 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

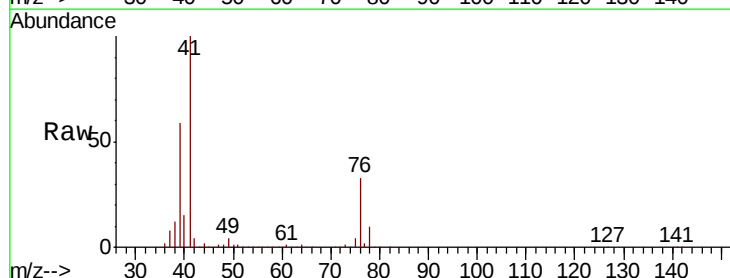
Tgt Ion: 41 Resp: 327896

Ion Ratio Lower Upper

41 100

39 56.1 48.9 73.3

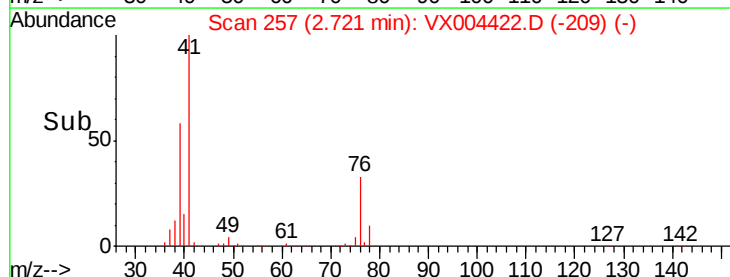
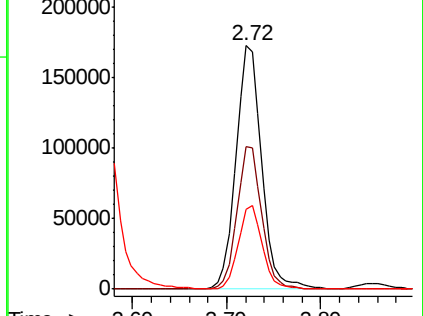
76 32.1 26.7 40.1



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: 272.00 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

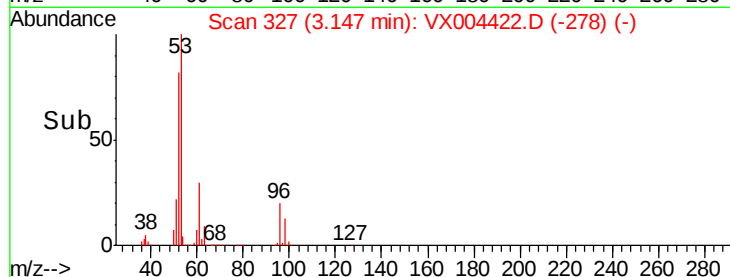
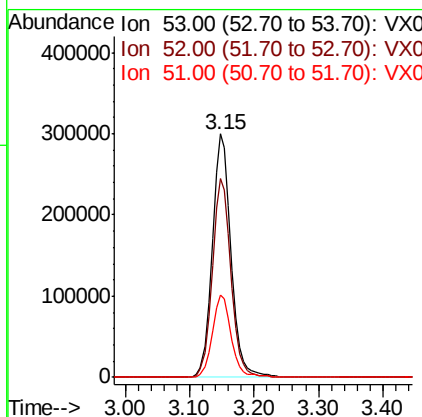
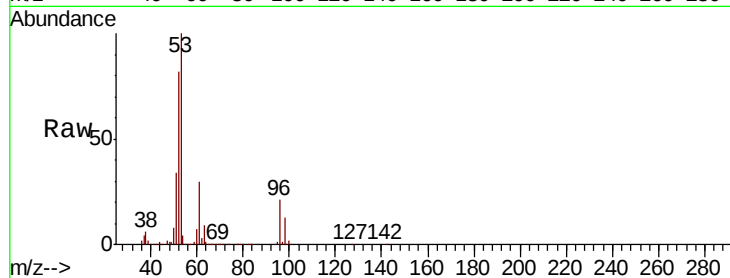
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	608681
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.2	97.8
51	34.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 277.79 ug/l

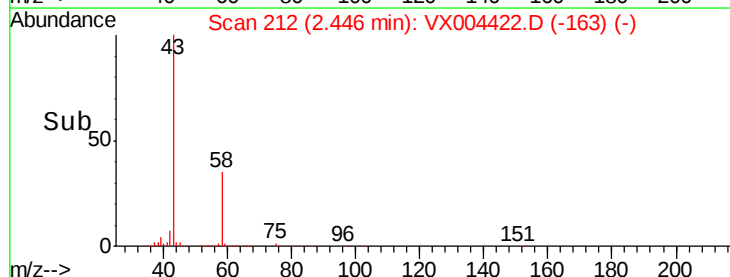
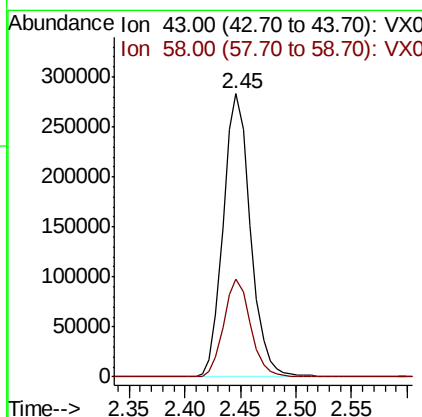
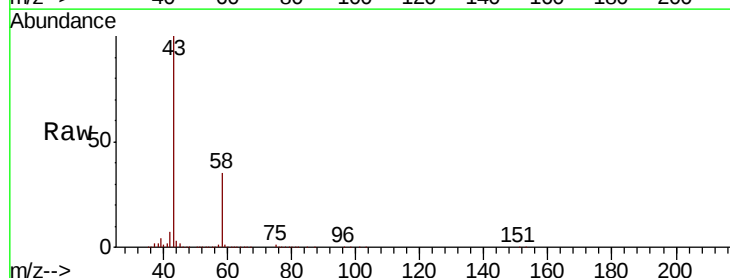
RT: 2.45 min Scan# 212

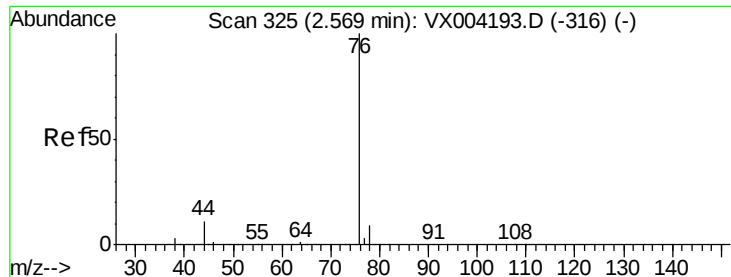
Delta R.T. 0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Tgt Ion:	43	Resp:	479138
Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.2	39.4





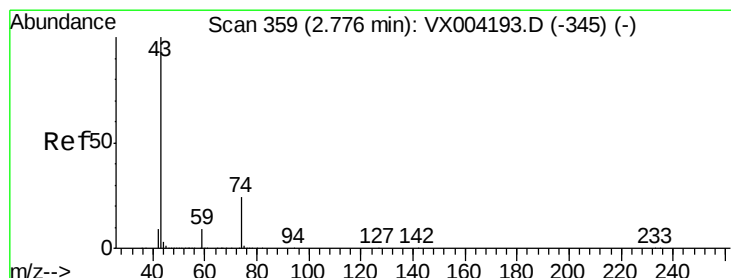
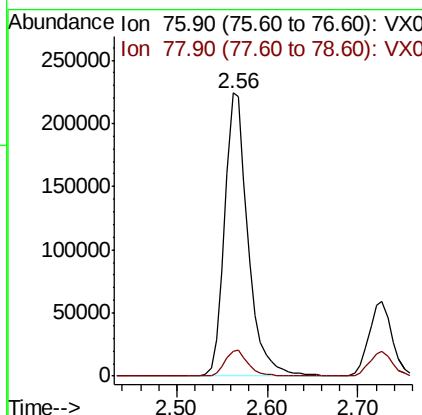
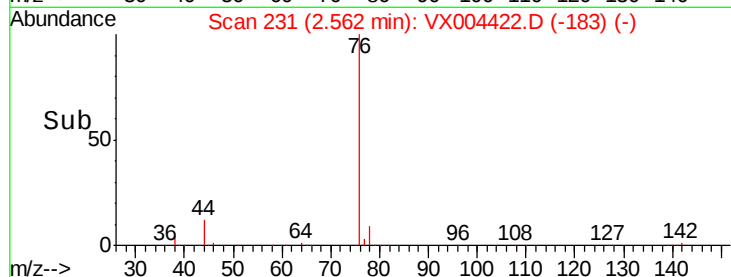
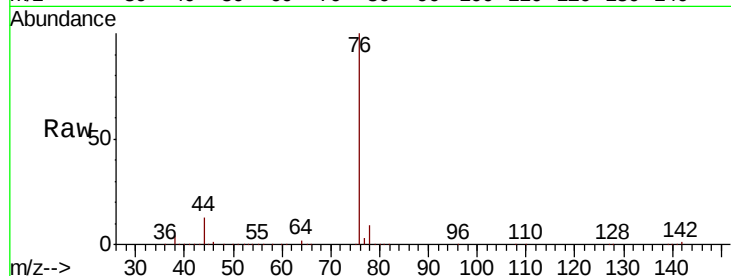
#17
Carbon Disulfide
Concen: 42.14 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

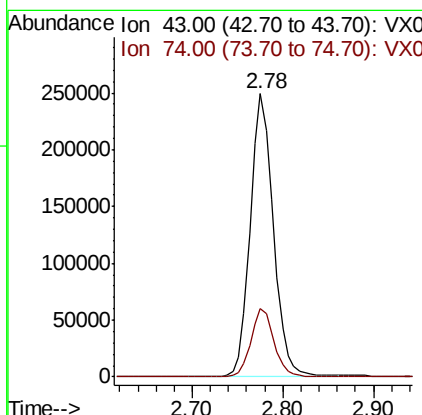
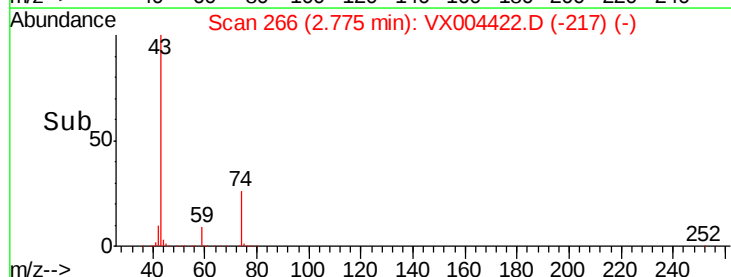
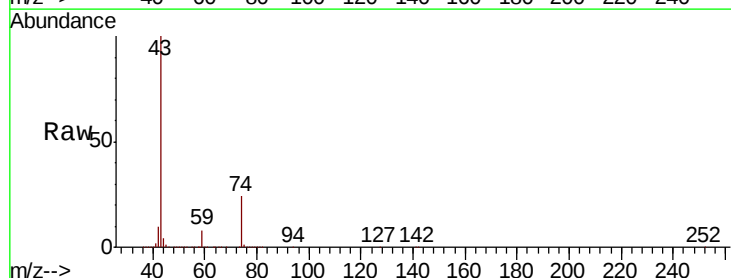
Manual Integrations
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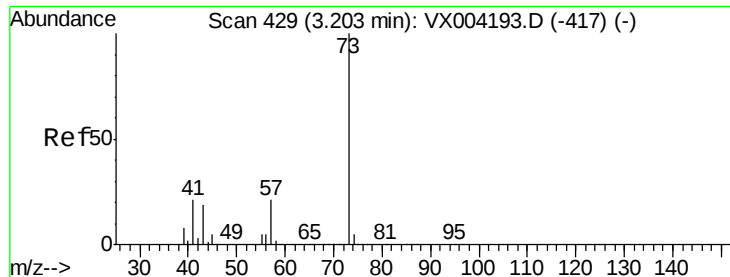
MMDadoda
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#18
Methyl Acetate
Concen: 70.12 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





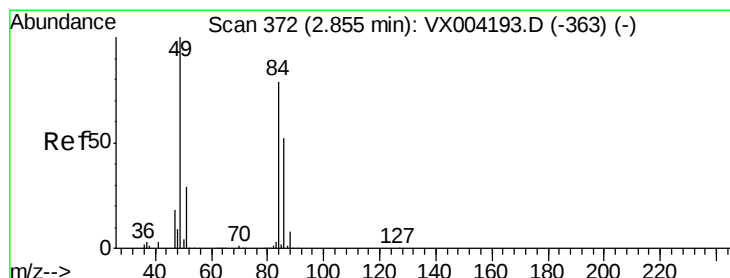
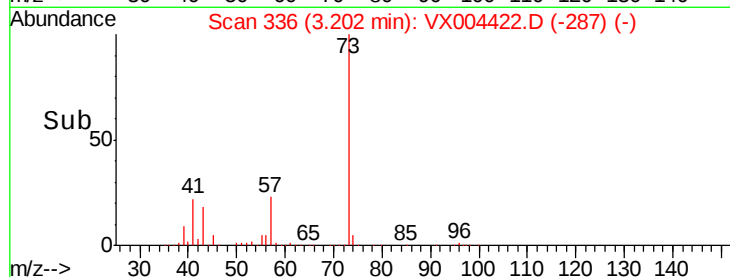
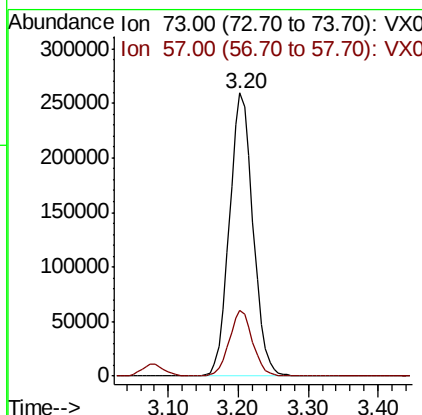
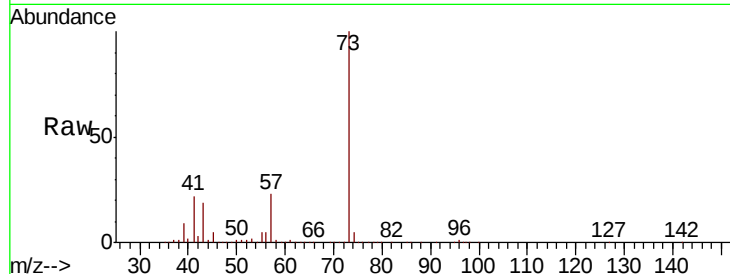
#19
Methyl tert-butyl Ether
Concen: 53.48 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 607227
Ion Ratio Lower Upper
73 100
57 23.0 17.1 25.7

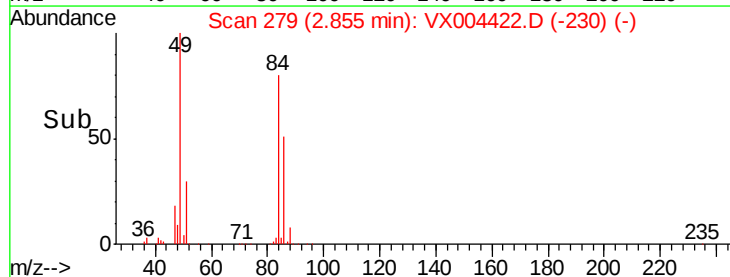
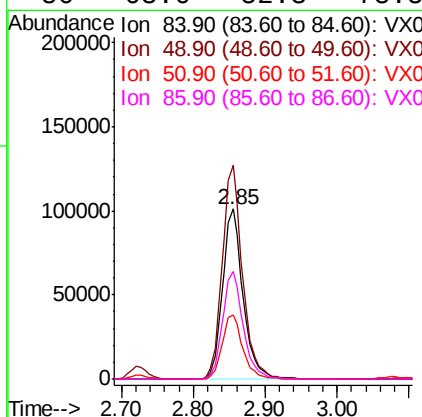
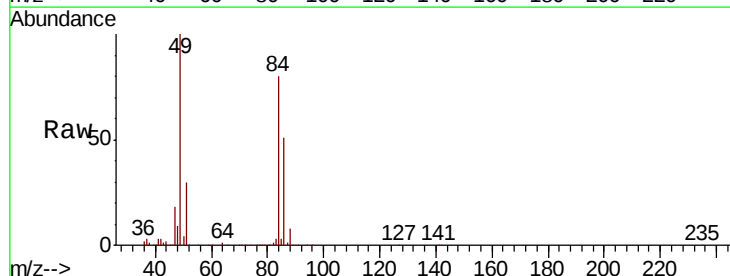
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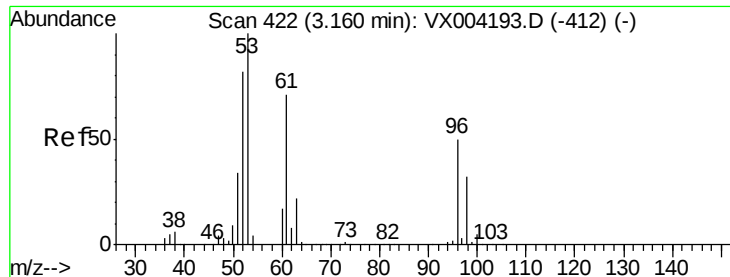
MMDadoda
9/10/2018 11:15:32 AM



#20
Methylene Chloride
Concen: 48.81 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion: 84 Resp: 199172
Ion Ratio Lower Upper
84 100
49 125.5 101.2 151.8
51 38.0 29.5 44.3
86 63.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 46.89 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 178813

Ion Ratio Lower Upper

96 100

61 138.7 113.8 170.6

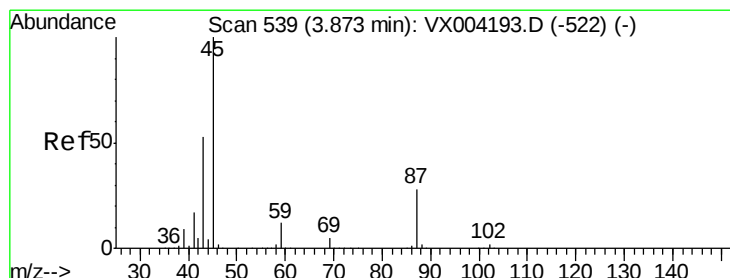
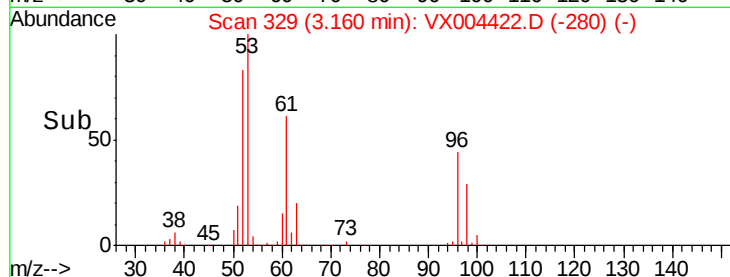
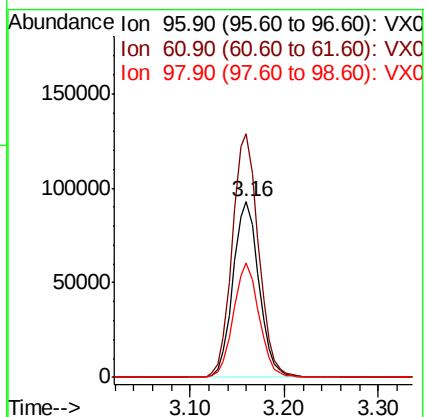
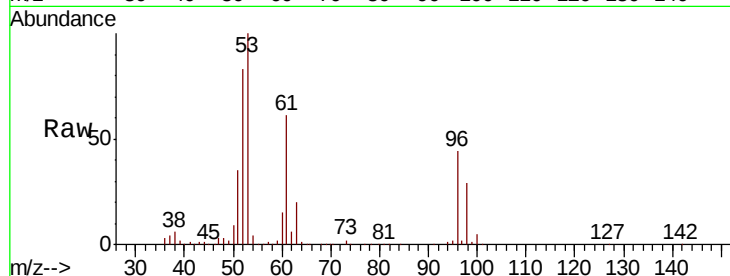
98 65.4 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.58 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Tgt Ion: 45 Resp: 621403

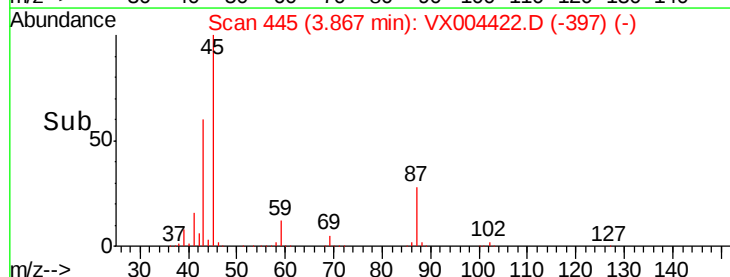
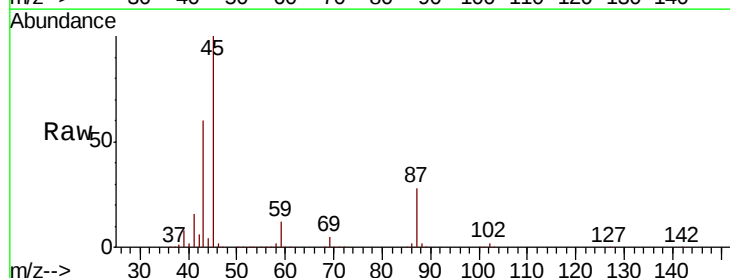
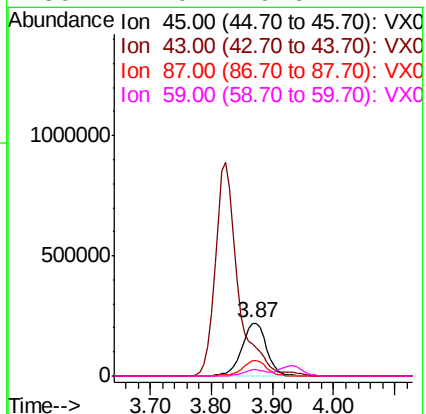
Ion Ratio Lower Upper

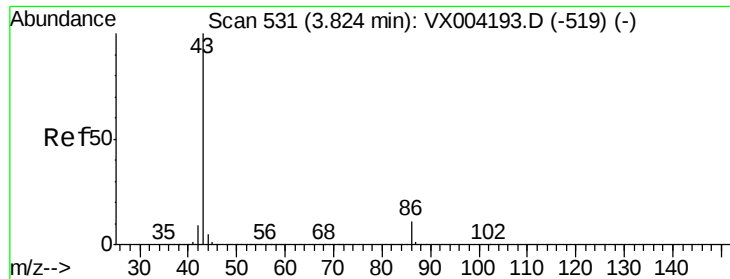
45 100

43 59.6 42.8 64.2

87 28.4 22.6 34.0

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 242.71 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2325009

Ion Ratio Lower Upper

43 100

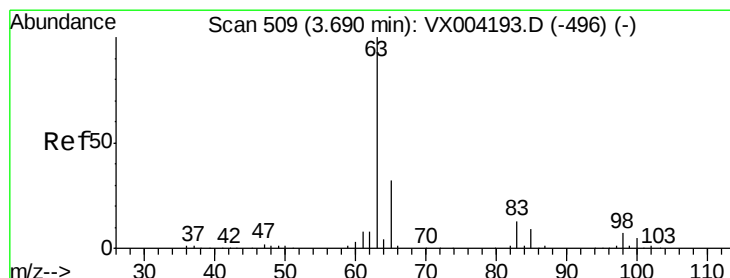
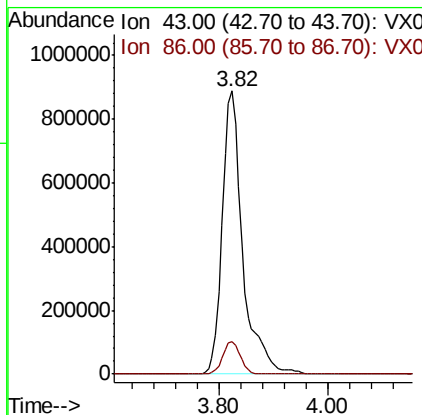
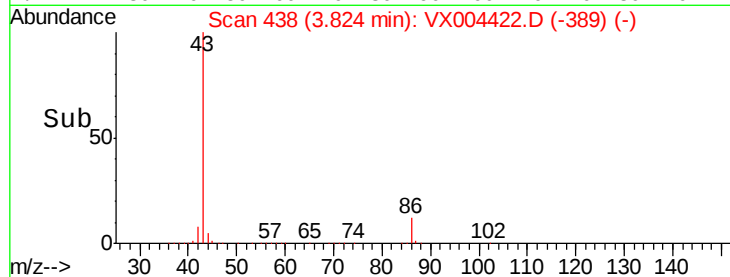
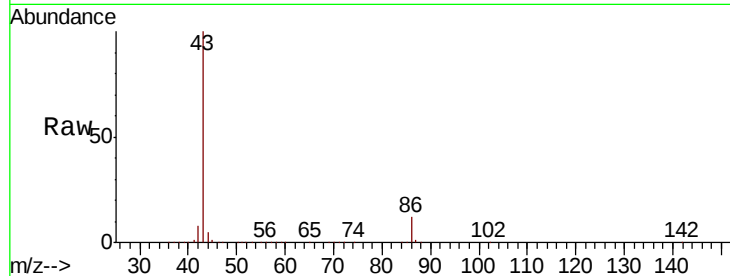
86 11.6 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.13 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

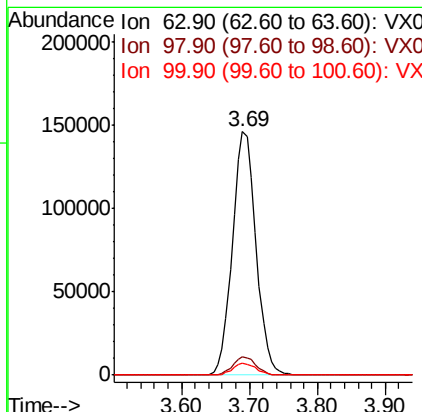
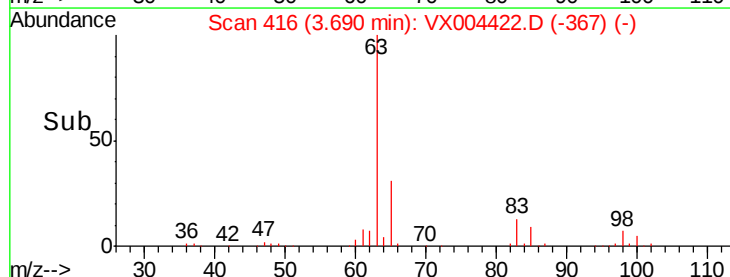
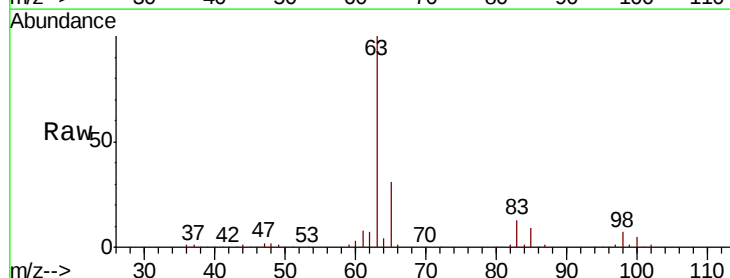
Tgt Ion: 63 Resp: 352150

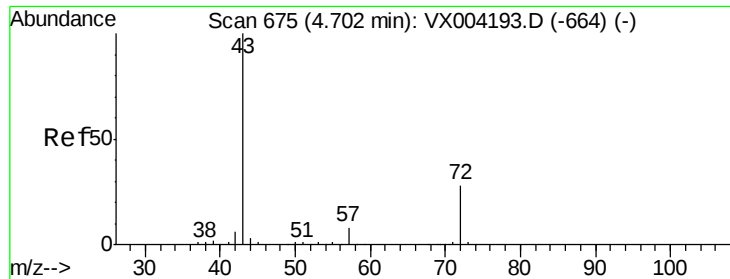
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 273.89 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 777164

Ion Ratio Lower Upper

43 100

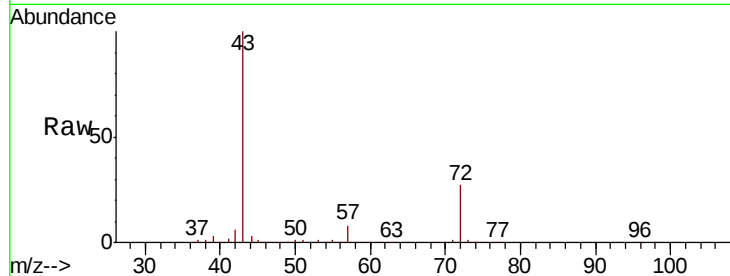
72 27.0 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

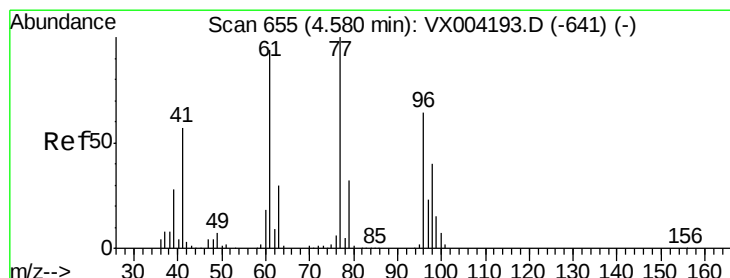
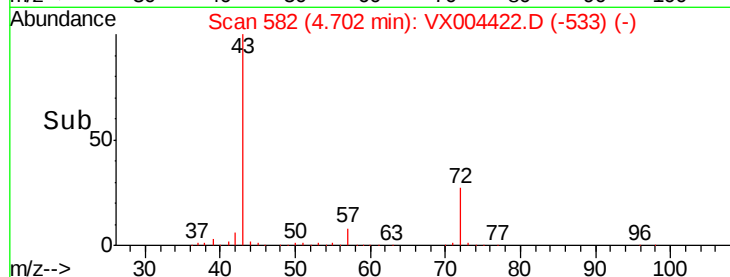
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.77 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004422.D

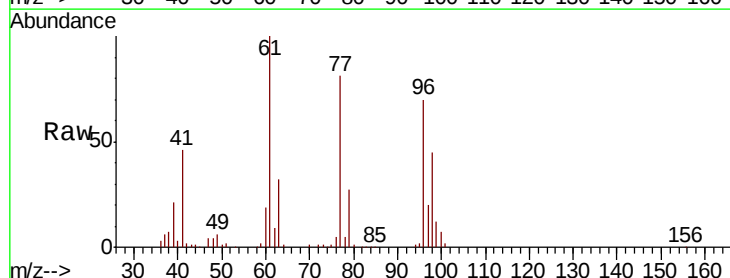
Acq: 07 Sep 2018 22:19

Tgt Ion: 77 Resp: 204055

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

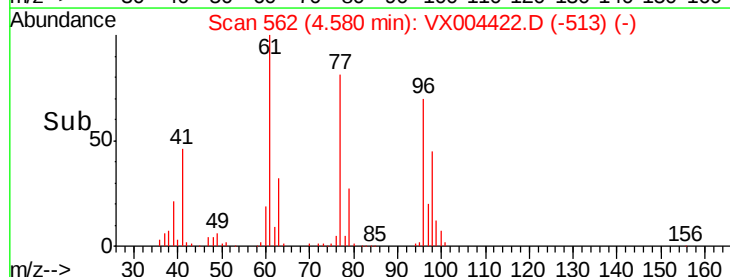
40000

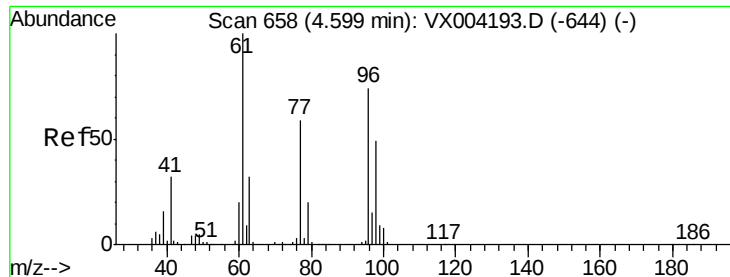
20000

0

4.40 4.50 4.60 4.70

Time-->





#27

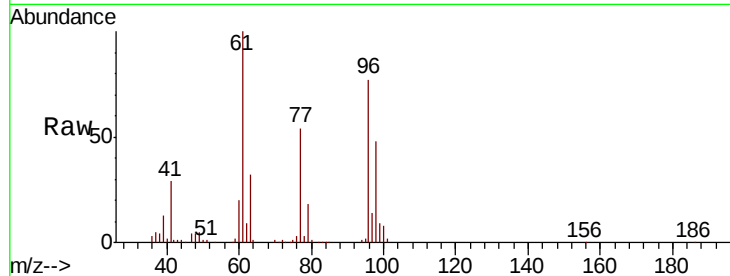
cis-1,2-Dichloroethene
Concen: 49.13 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

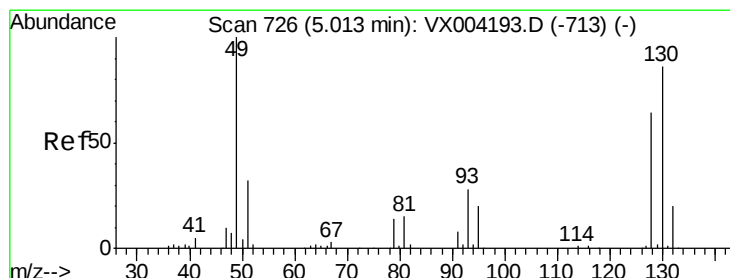
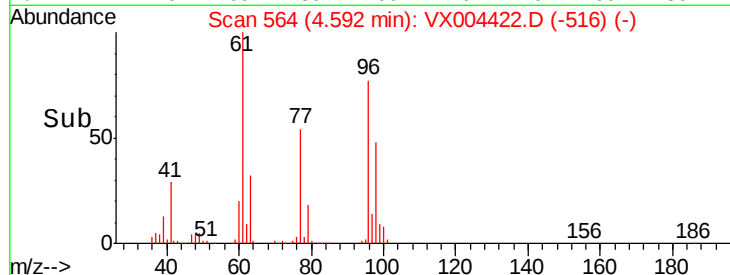
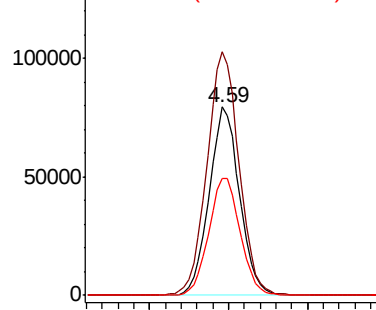
Tot Ion	Ratio	Resp	Lower	Upper
96	100	212526		
61	136.4	0.0	282.6	
98	64.6	0.0	130.2	

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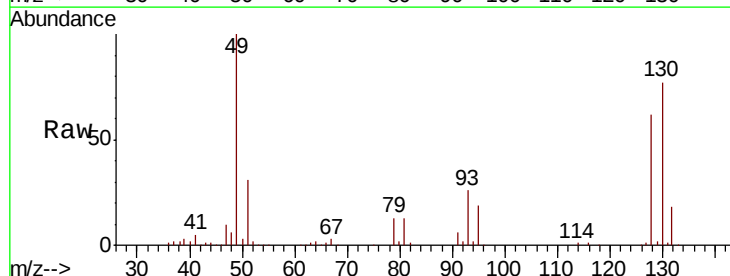
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



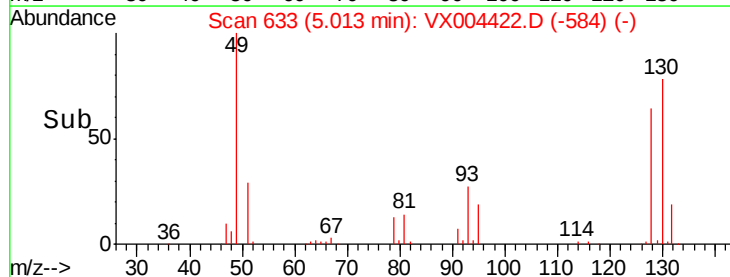
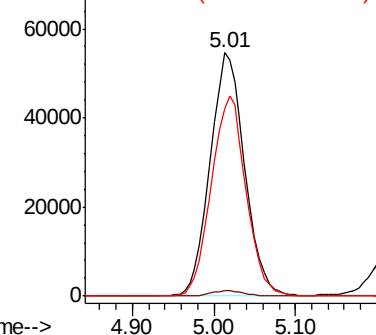
#28

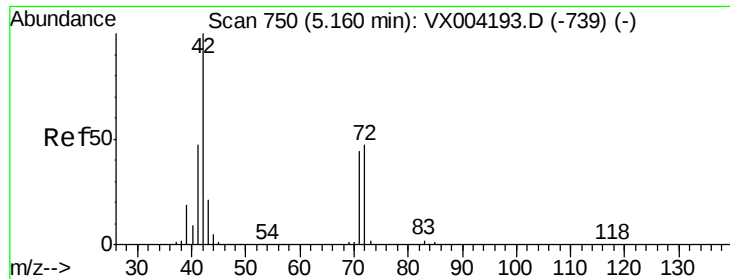
Bromochloromethane
Concen: 52.73 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	160806		
129	2.0	0.0	4.2	
130	82.3	67.5	101.3	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





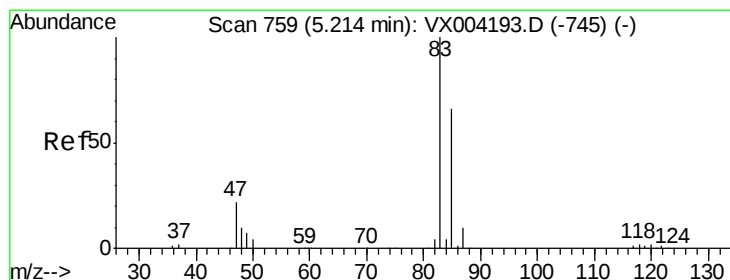
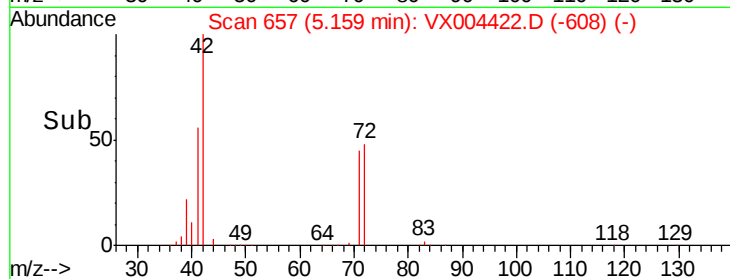
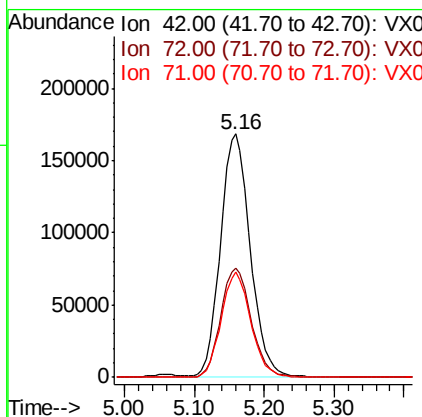
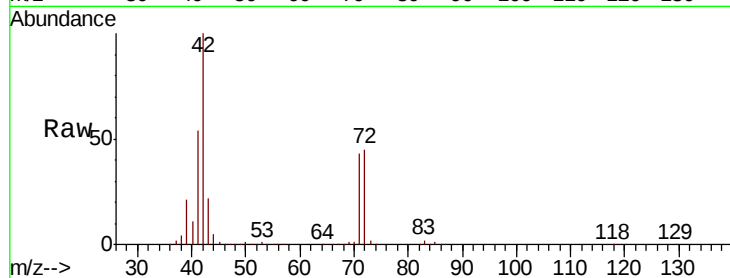
#29
Tetrahydrofuran
Concen: 272.41 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	496122
Ion Ratio	Lower	Upper	
42	100		
72	46.2	37.4	56.0
71	42.9	34.5	51.7

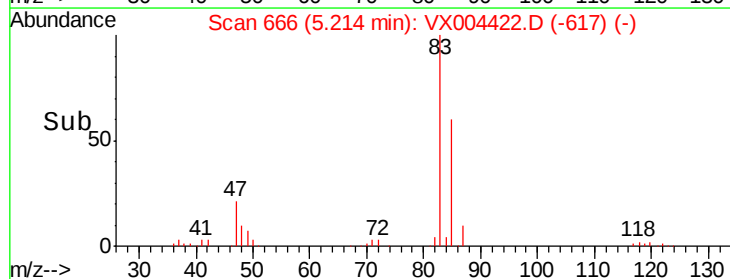
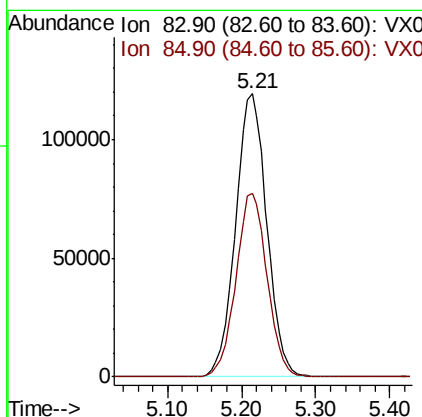
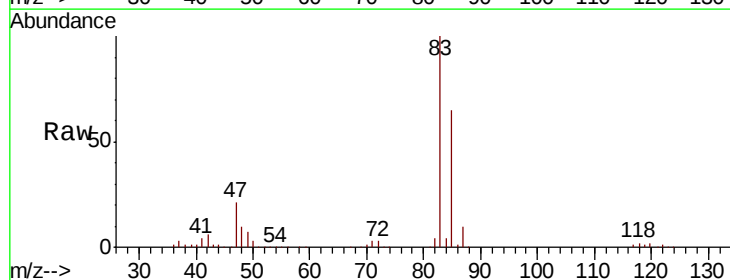
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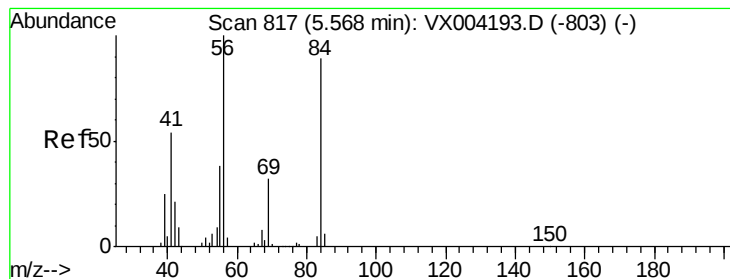
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#30
Chloroform
Concen: 50.83 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion:	83	Resp:	351028
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.6	79.0





#31

Cyclohexane

Concen: 48.39 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

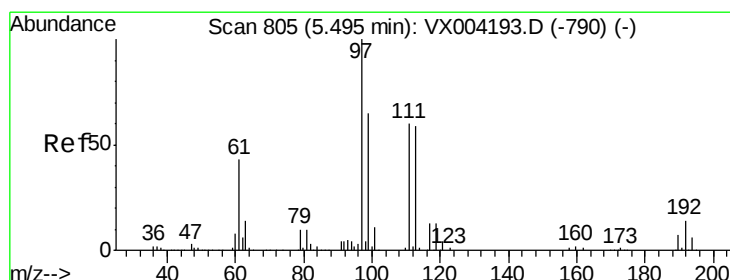
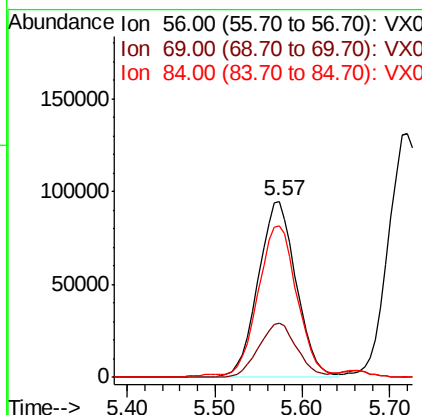
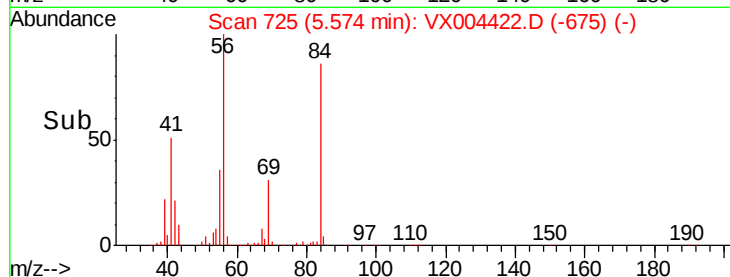
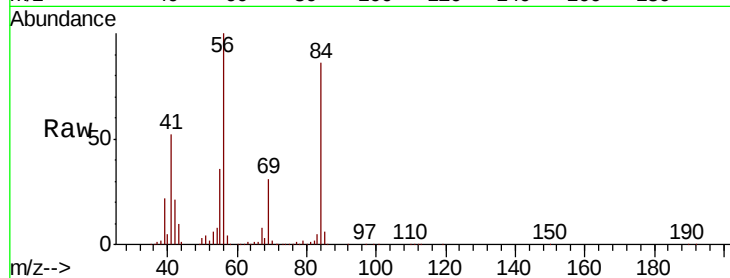
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	287563
Ion Ratio	Lower	Upper	
56	100		
69	30.5	25.4	38.2
84	84.9	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 50.14 ug/l

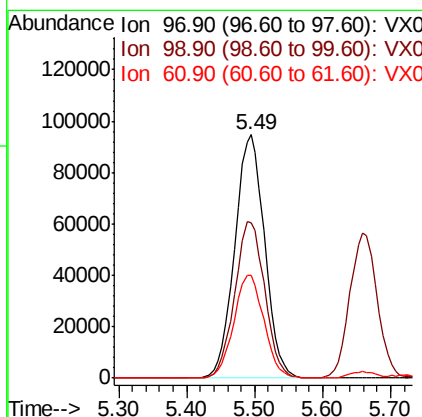
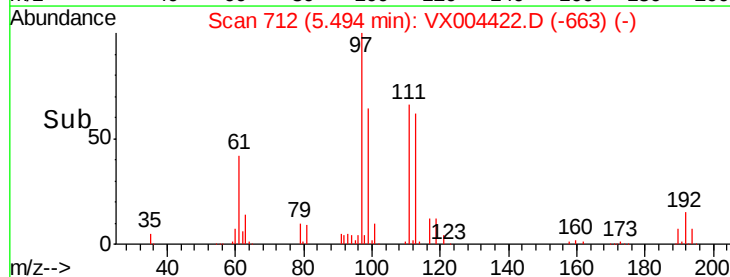
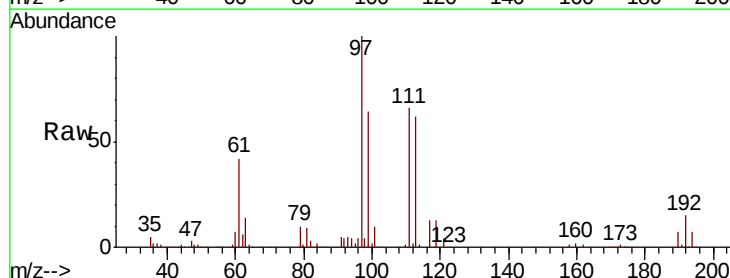
RT: 5.49 min Scan# 712

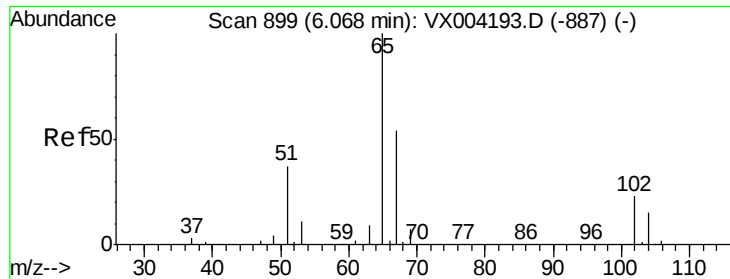
Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Tgt Ion:	97	Resp:	288719
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.0	78.0
61	43.0	34.9	52.3





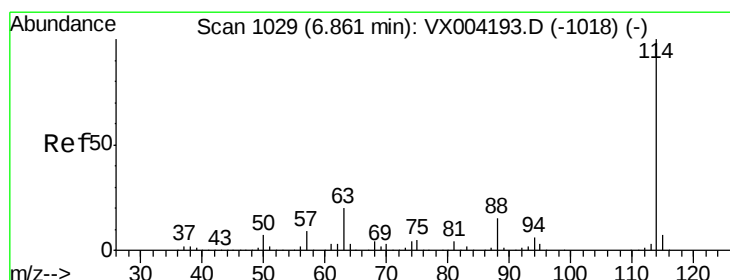
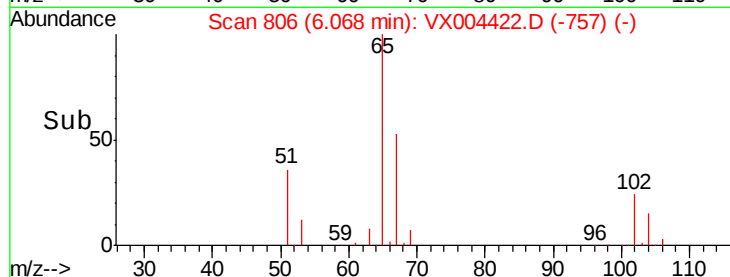
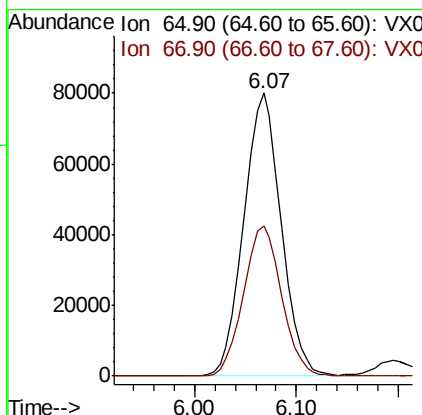
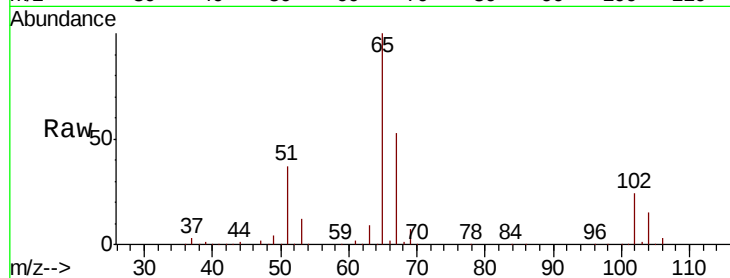
#33
 1,2-Dichloroethane-d4
 Concen: 48.14 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.8

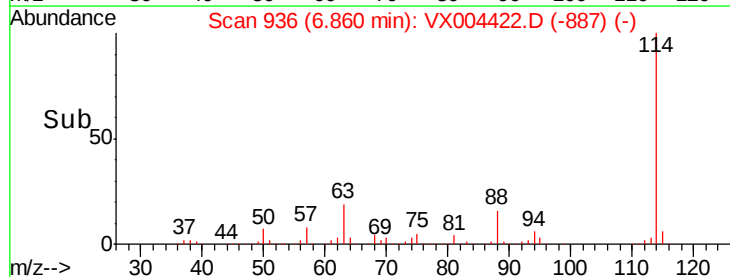
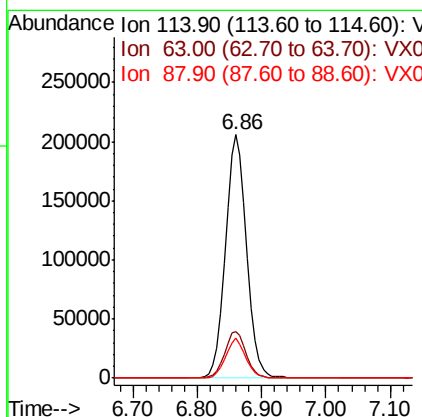
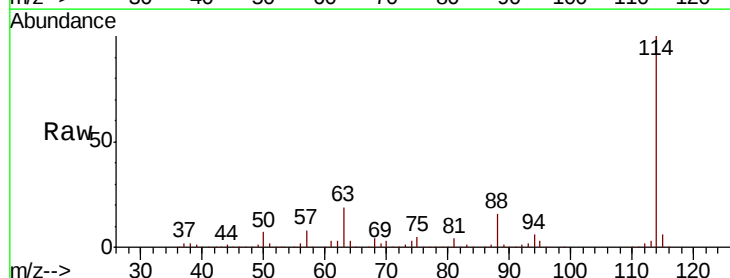
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.0
88	16.2	0.0	30.4





#35

Dibromofluoromethane

Concen: 50.95 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

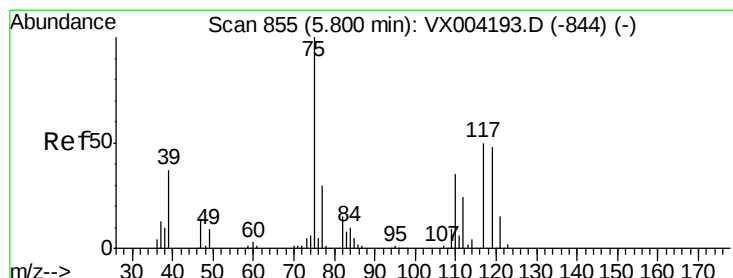
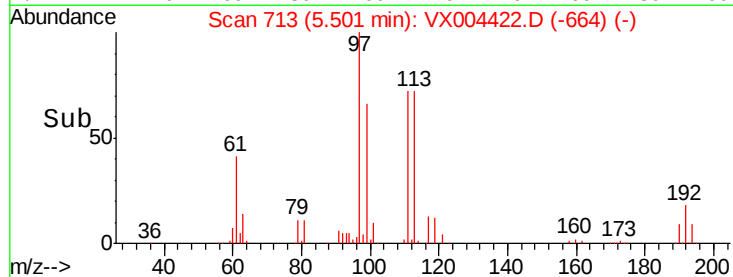
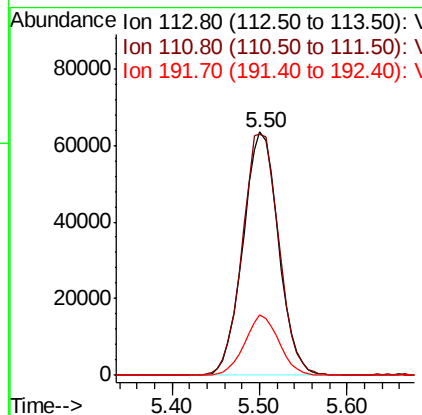
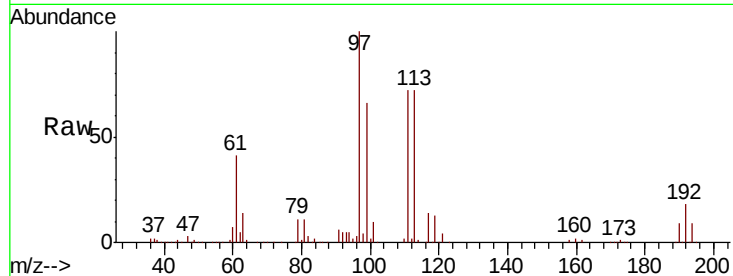
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	179524
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.4	123.6
192	23.9	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 47.73 ug/l

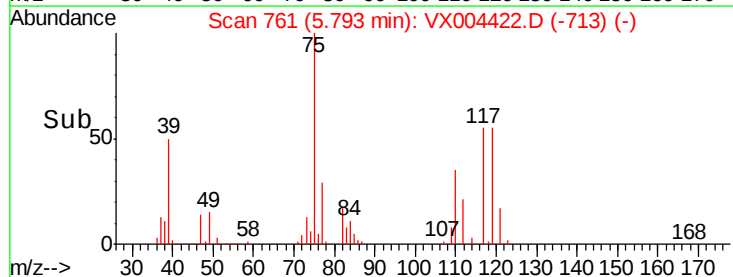
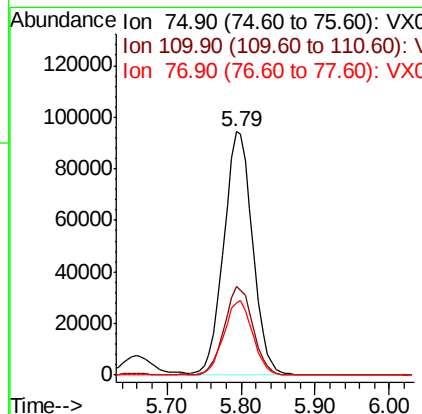
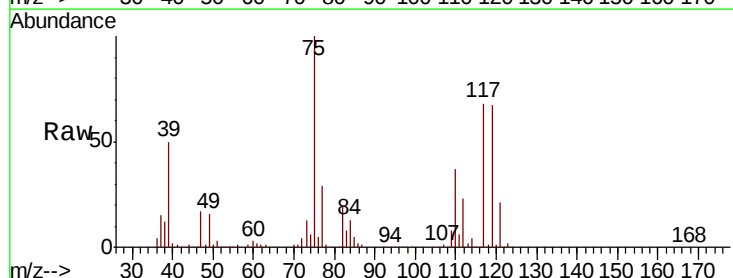
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Tgt Ion:	75	Resp:	254117
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.0	54.0
77	30.4	24.6	36.8





#37

Ethyl Acetate

Concen: 51.53 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

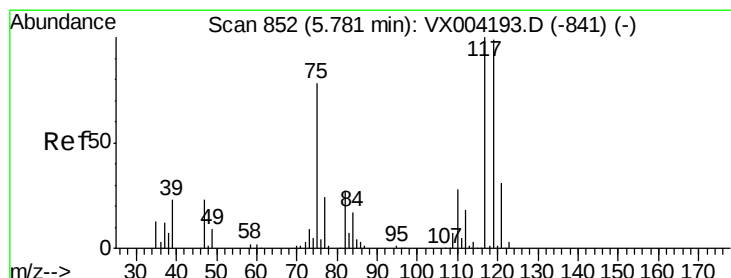
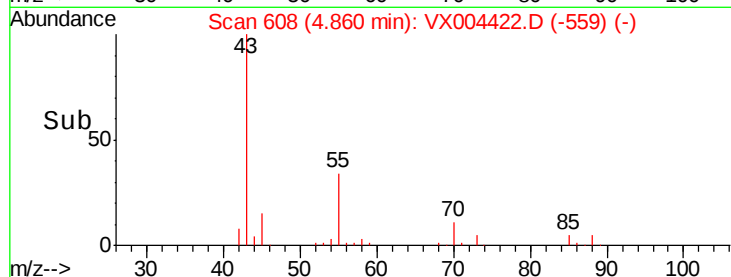
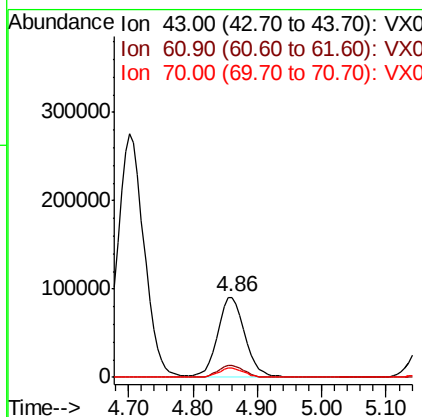
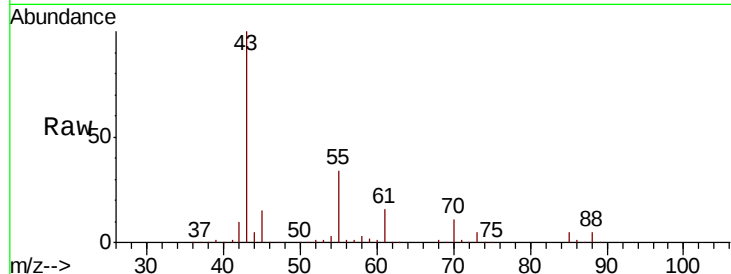
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	269833
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.1	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 49.24 ug/l

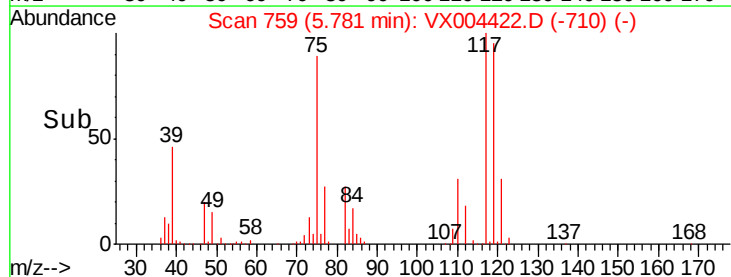
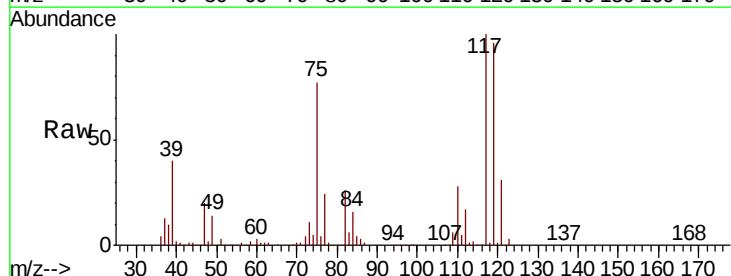
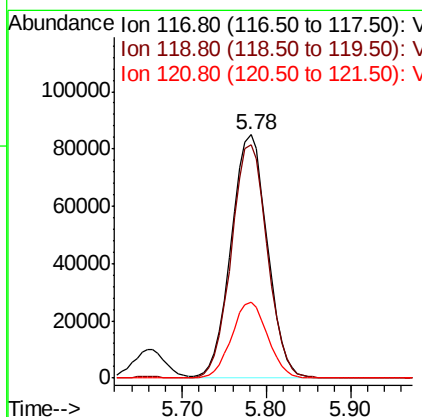
RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Tgt Ion:	117	Resp:	246637
Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.8	118.2
121	31.2	24.9	37.3





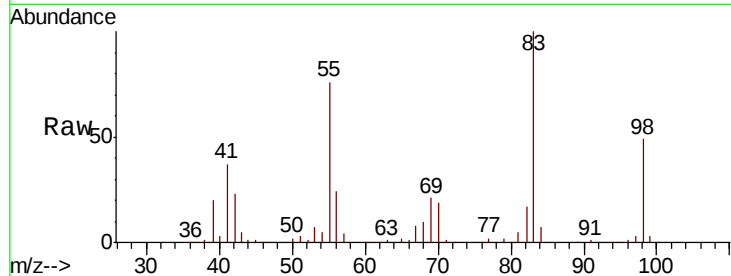
#39
Methvlcvclohexane
Concen: 48.41 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

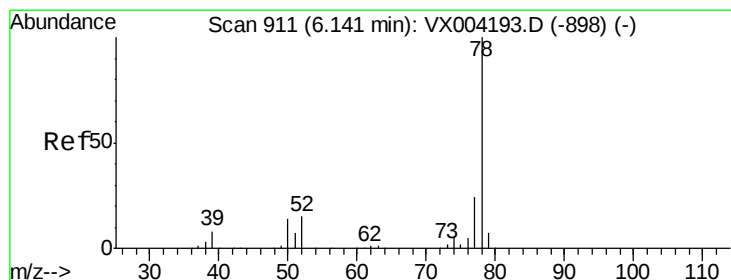
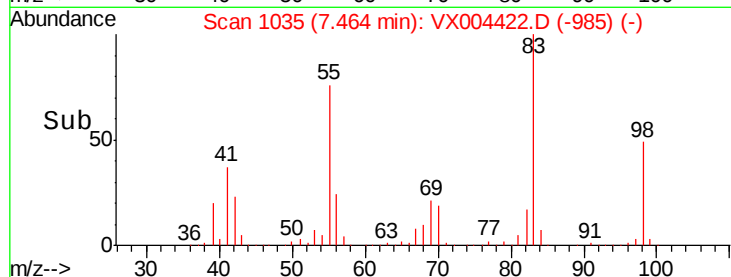
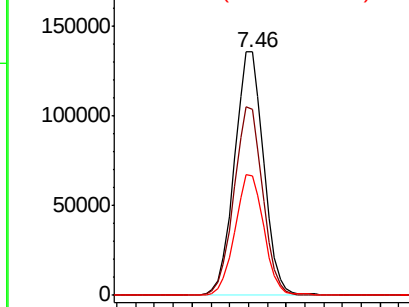
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.2	61.0	91.4	
98	49.2	39.6	59.4	

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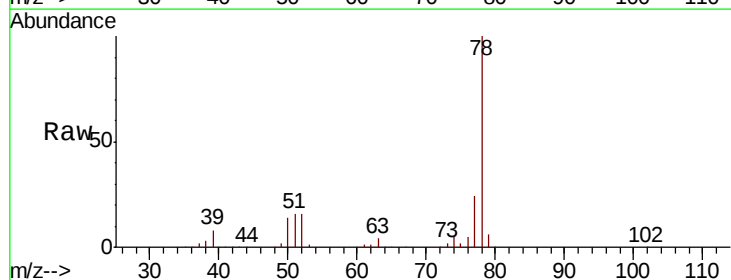


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

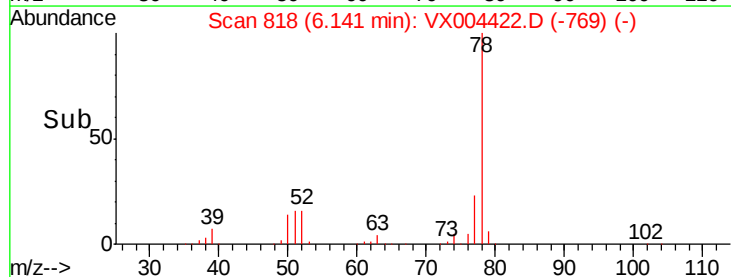
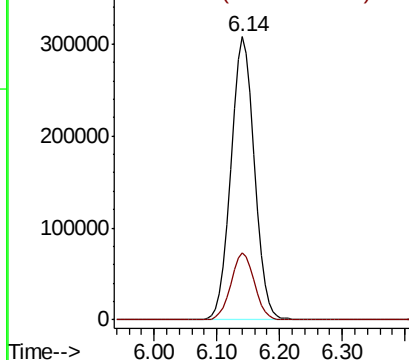


#40
Benzene
Concen: 50.09 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	



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





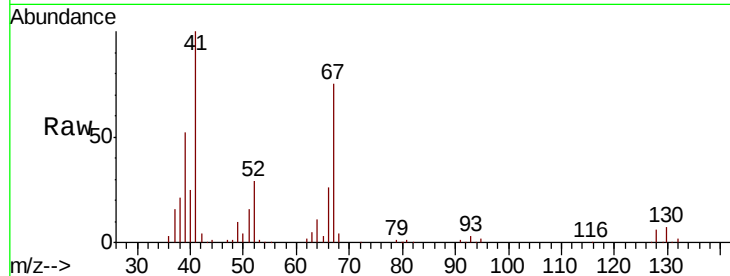
#41
Methacrylonitrile
Concen: 54.00 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

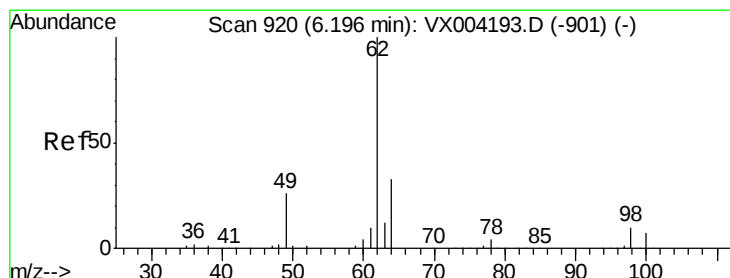
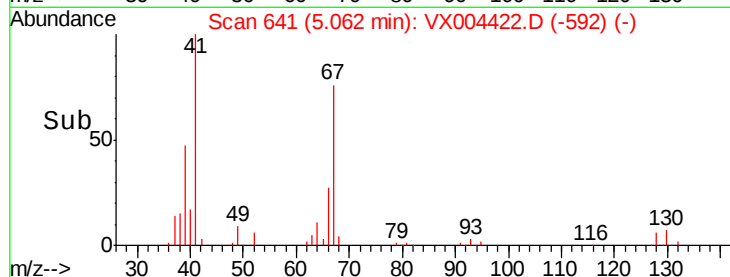
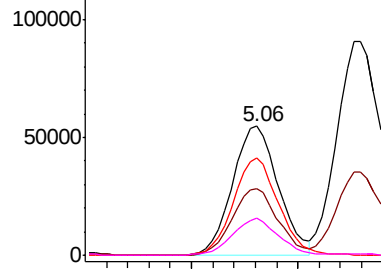
Tot Ion	Ratio	Lower	Upper
41	100		
39	51.4	42.4	63.6
67	74.7	59.2	88.8
52	28.4	23.0	34.4

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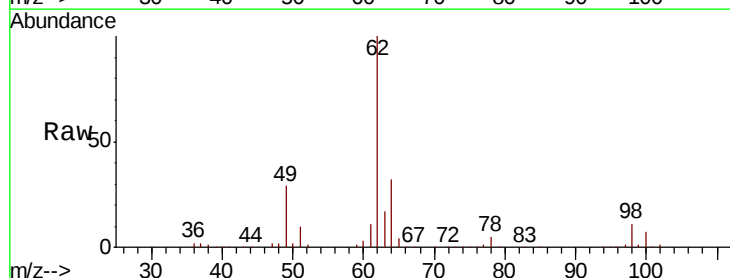


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

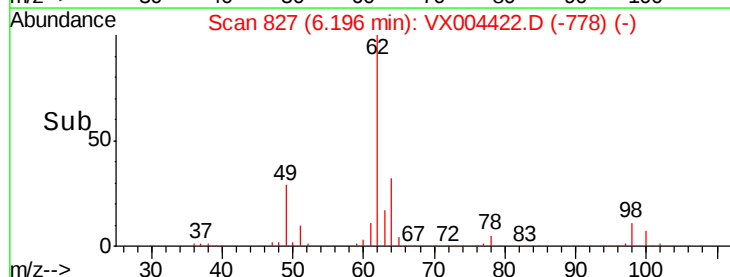
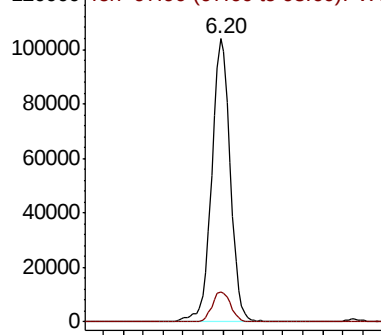


#42
1,2-Dichloroethane
Concen: 49.11 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.6



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





#43

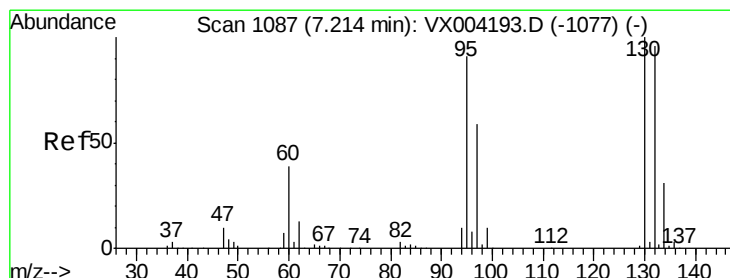
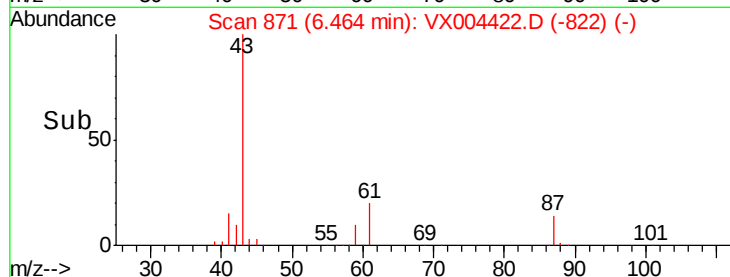
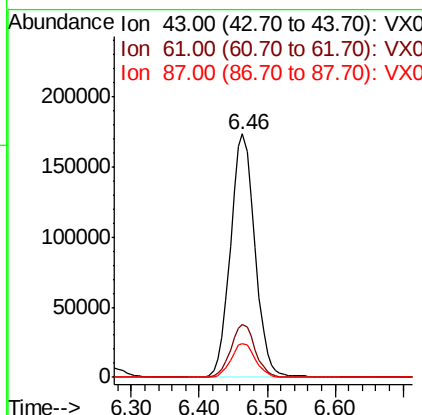
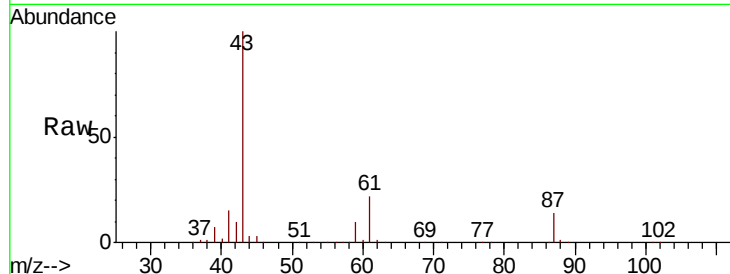
Isopropyl Acetate
 Concen: 53.66 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.0	25.4
87	14.0	11.4	17.2

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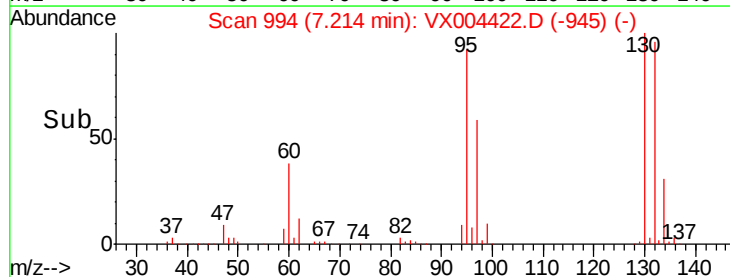
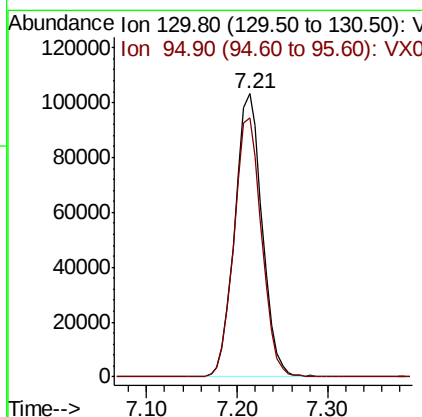
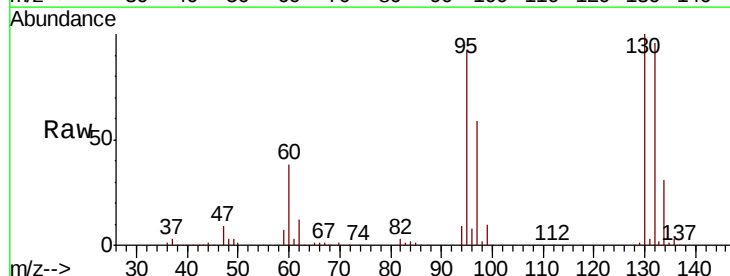
MMDadoda
 9/10/2018 11:15:32 AM



#44

Trichloroethene
 Concen: 49.09 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	181.6





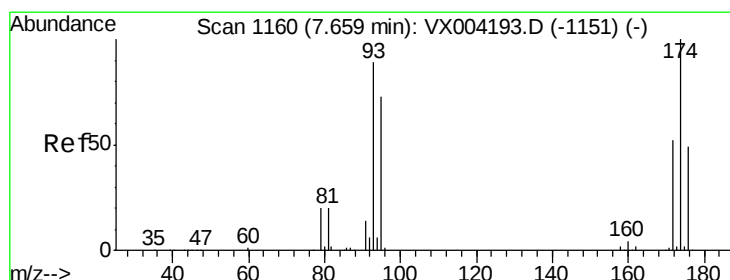
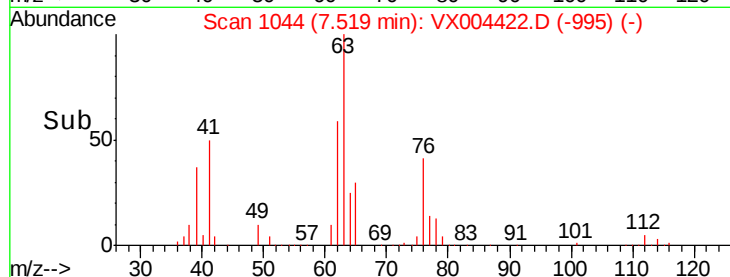
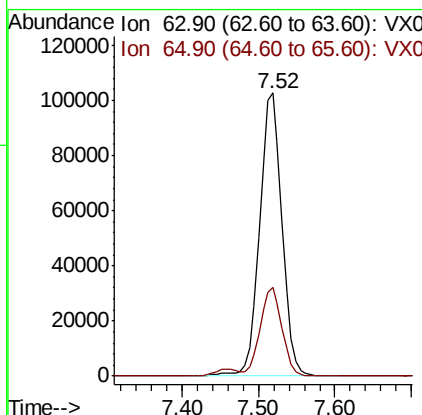
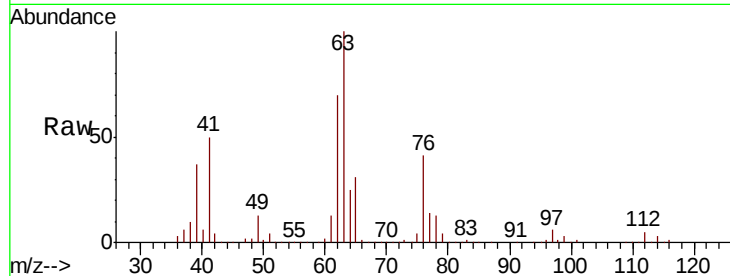
#45
 1,2-Dichloropropane
 Concen: 52.72 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.3	36.5

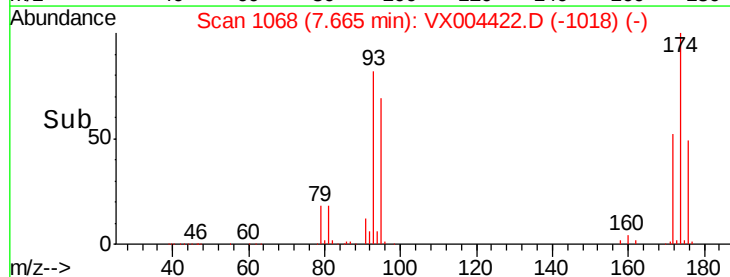
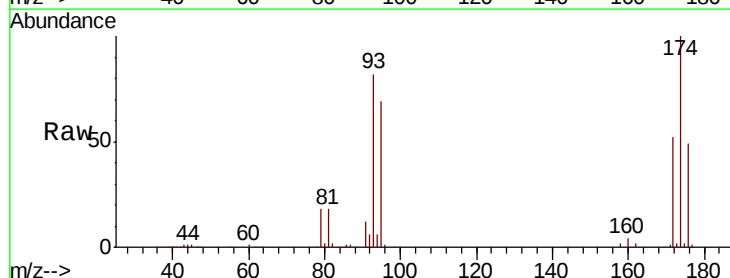
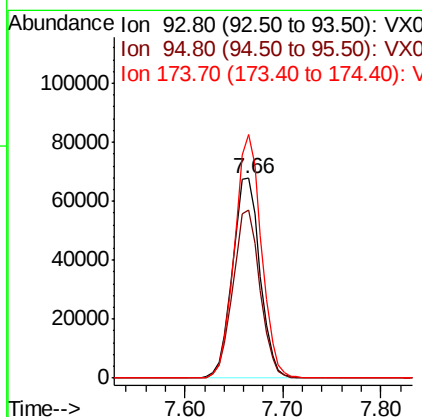
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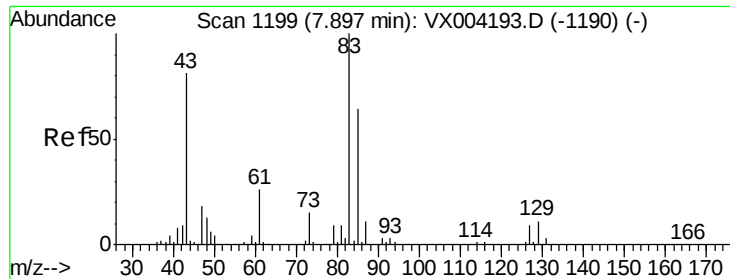
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 9/10/2018 11:15:32 AM



#46
 Dibromomethane
 Concen: 49.84 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.5	98.3
174	119.2	94.2	141.4





#47

Bromodichloromethane

Concen: 52.85 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

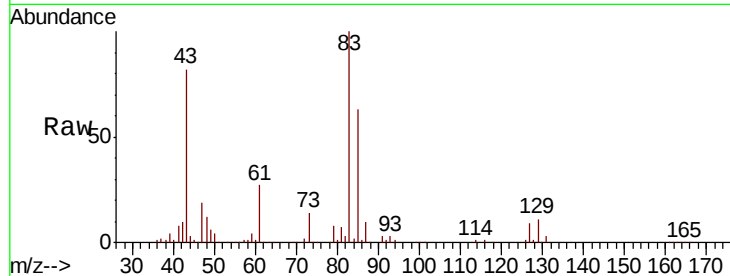
ClientSampleId :

VSTDCCC050

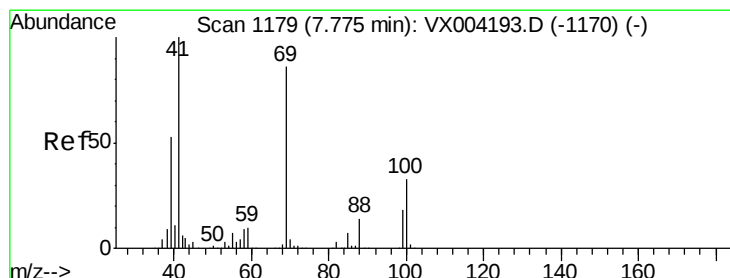
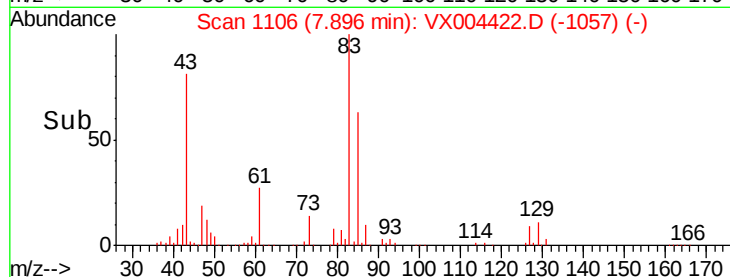
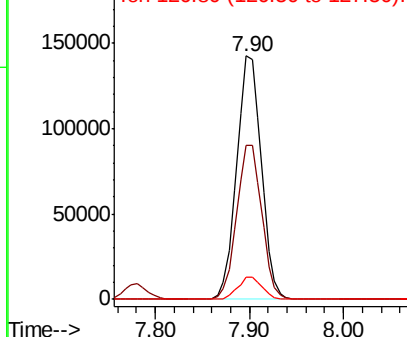
Tot Ion:	83	Resp:	260722
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.9	76.3
127	8.9	7.3	10.9

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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: 54.51 ug/l

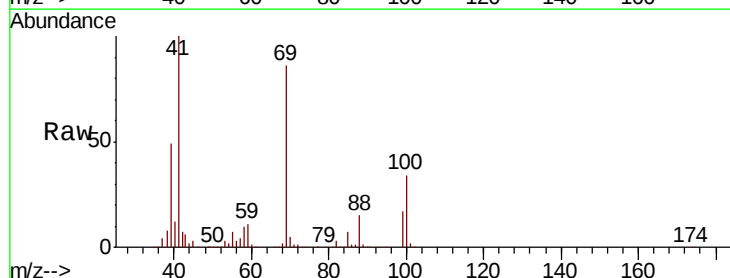
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

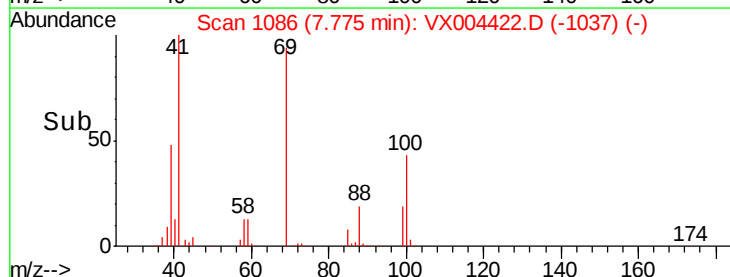
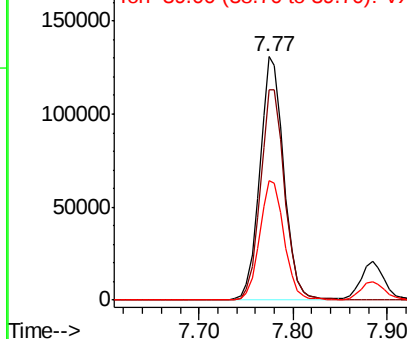
Lab File: VX004422.D

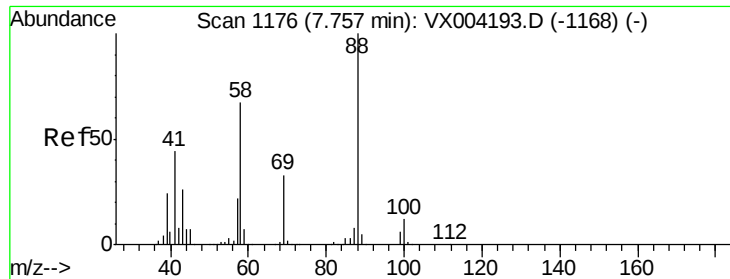
Acq: 07 Sep 2018 22:19

Tgt Ion:	41	Resp:	234696
Ion Ratio	Lower	Upper	
41	100		
69	87.8	70.2	105.4
39	49.9	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: 1172.07 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

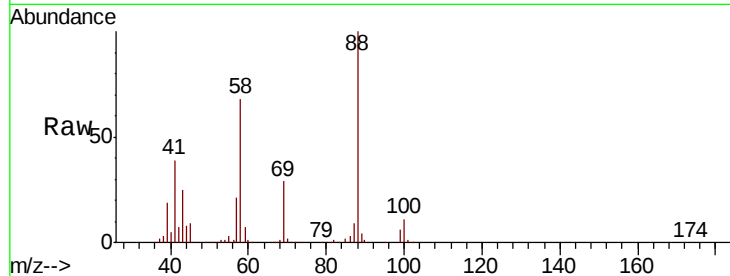
ClientSampleId :

VSTDCCC050

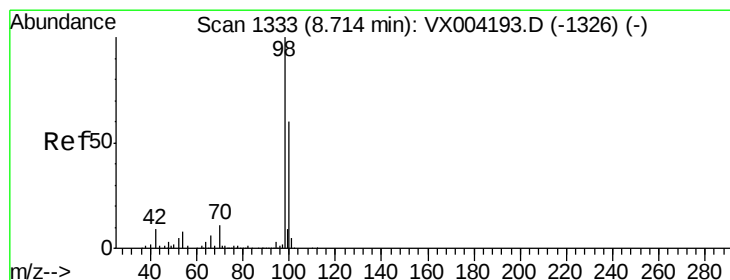
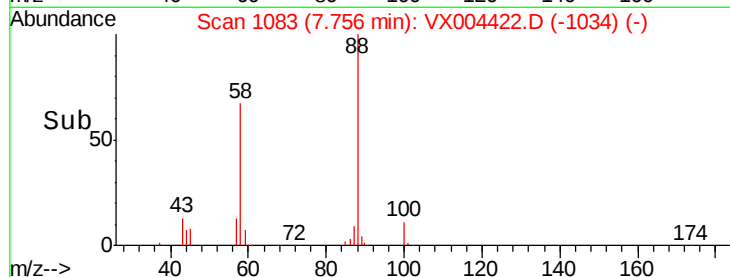
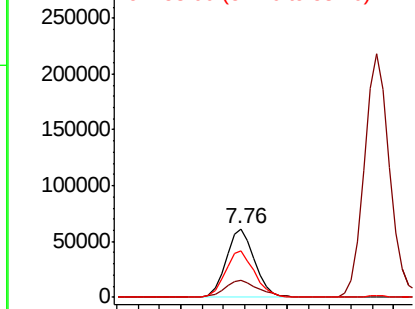
Tot Ion:	88	Resp:	114570
Ion	Ratio	Lower	Upper
88	100		
43	29.0	24.7	37.1
58	69.6	55.3	82.9

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.36 ug/l

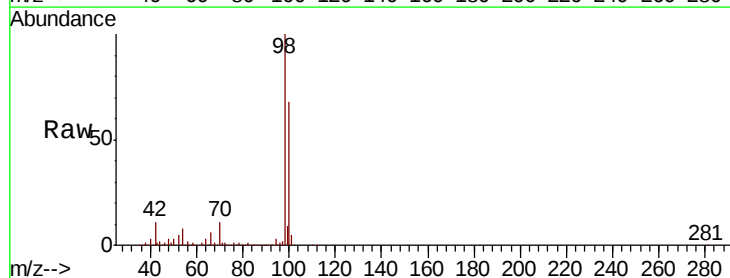
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

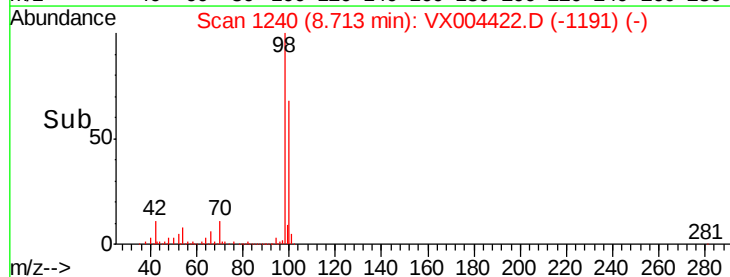
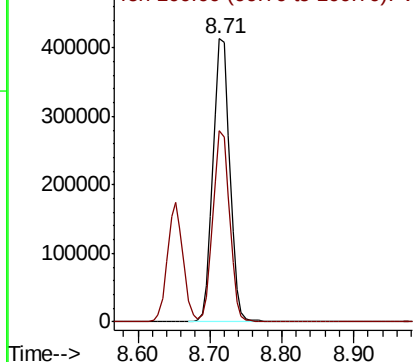
Lab File: VX004422.D

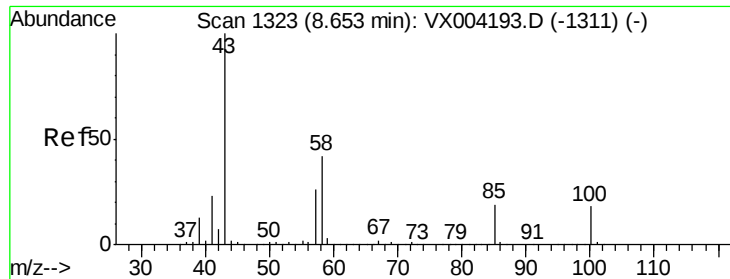
Acq: 07 Sep 2018 22:19

Tgt Ion:	98	Resp:	669689
Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





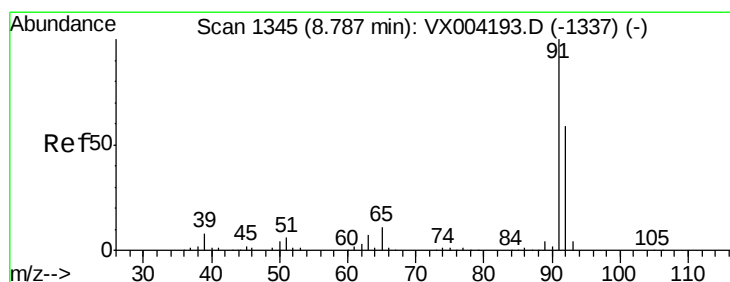
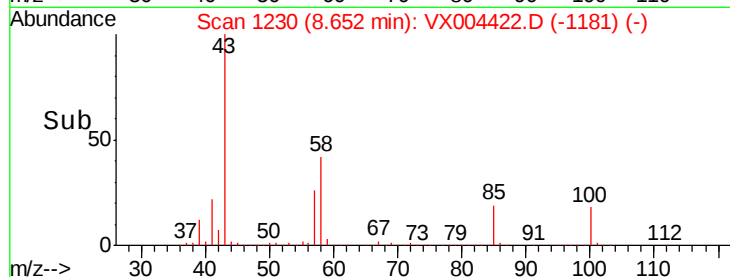
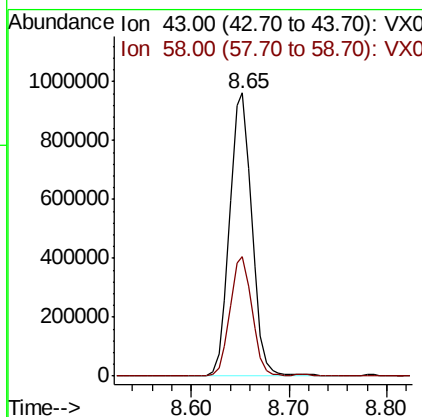
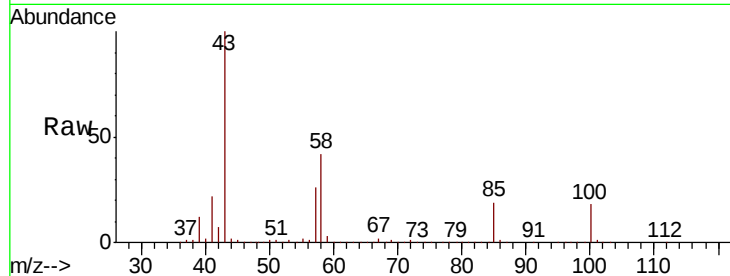
#51
4-Methyl-2-Pentanone
Concen: 260.57 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1523362
Ion Ratio Lower Upper
43 100
58 41.5 33.1 49.7

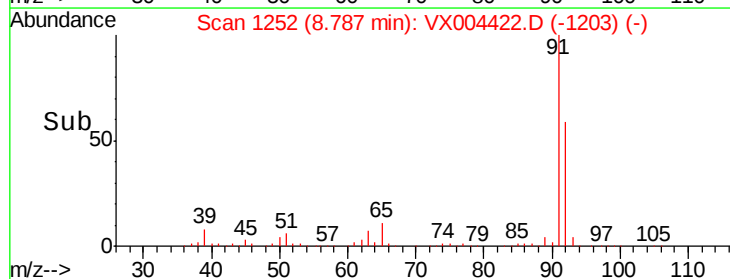
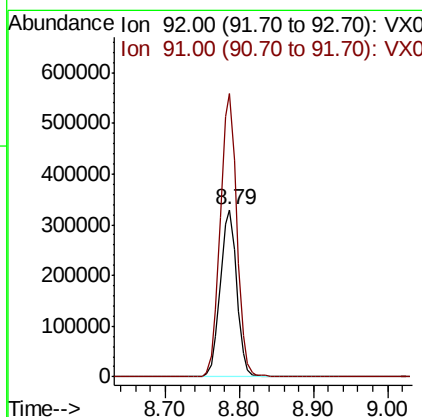
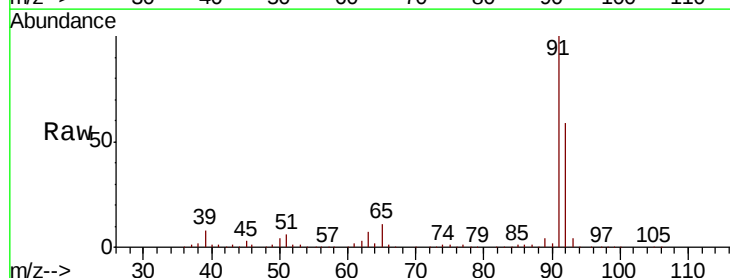
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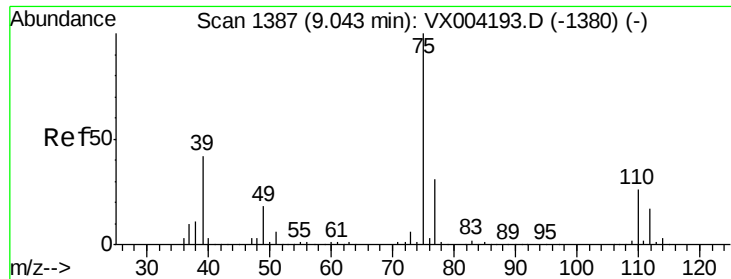
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#52
Toluene
Concen: 50.95 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion: 92 Resp: 507388
Ion Ratio Lower Upper
92 100
91 169.9 136.4 204.6





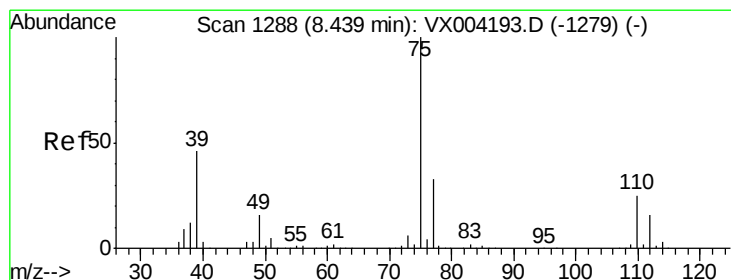
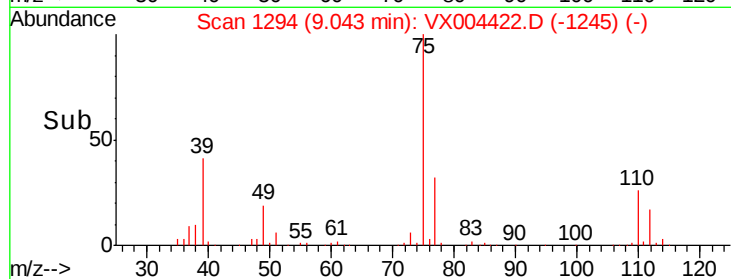
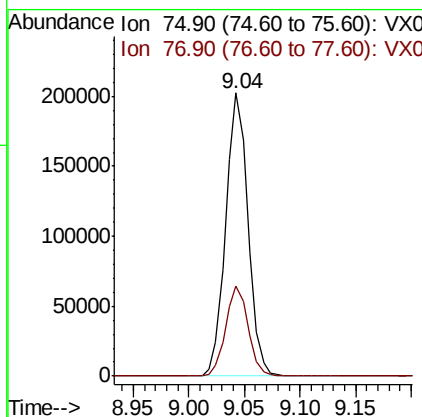
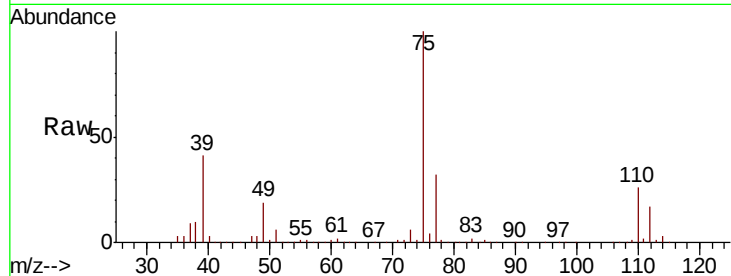
#53
t-1,3-Dichloropropene
Concen: 51.58 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	37.0

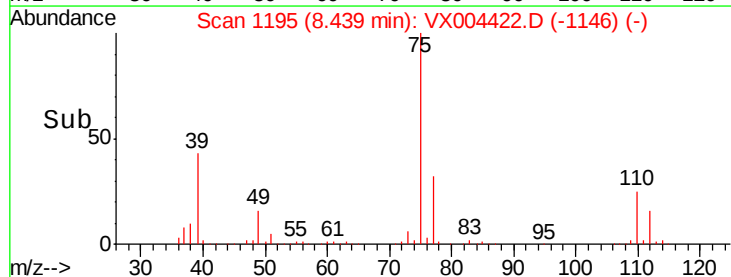
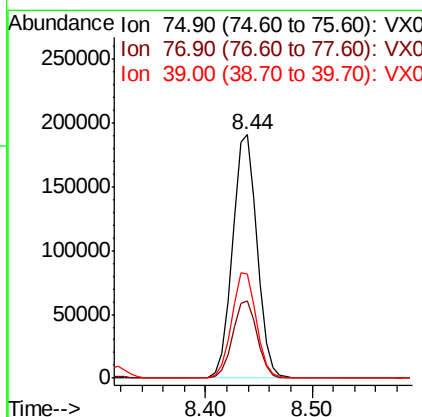
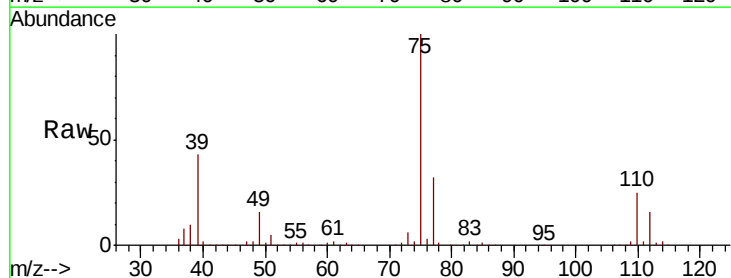
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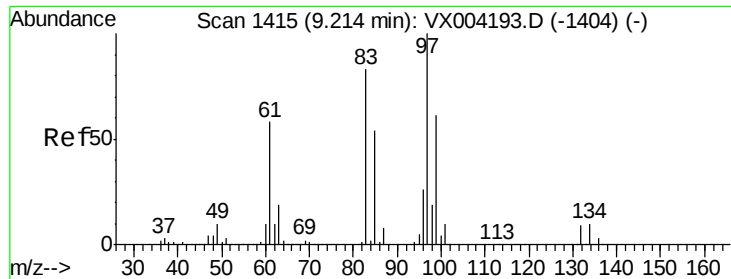
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#54
cis-1,3-Dichloropropene
Concen: 51.95 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.2
39	42.8	36.4	54.6





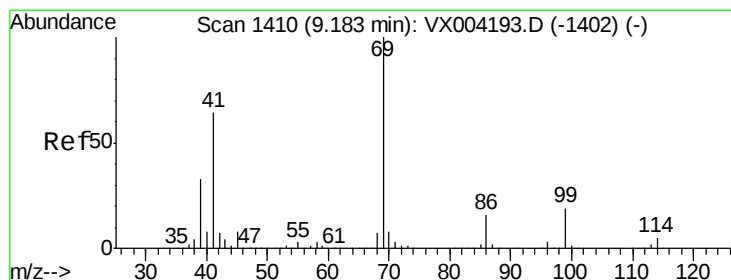
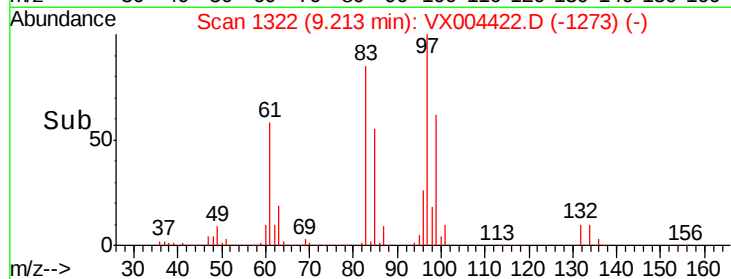
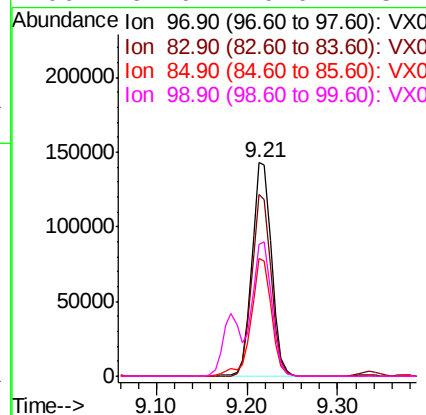
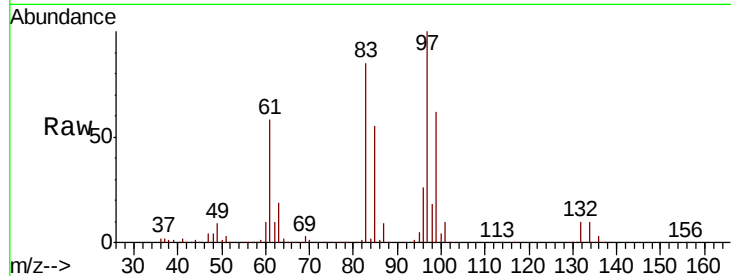
#55
 1,1,2-Trichloroethane
 Concen: 52.97 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	212934
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.4	99.6
85	55.0	43.3	64.9
99	61.9	49.0	73.4

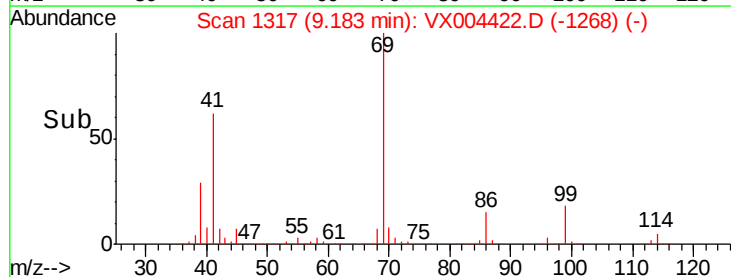
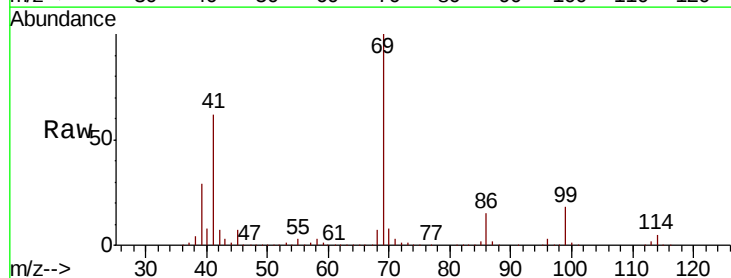
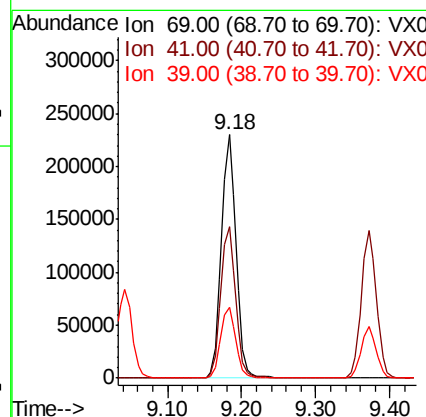
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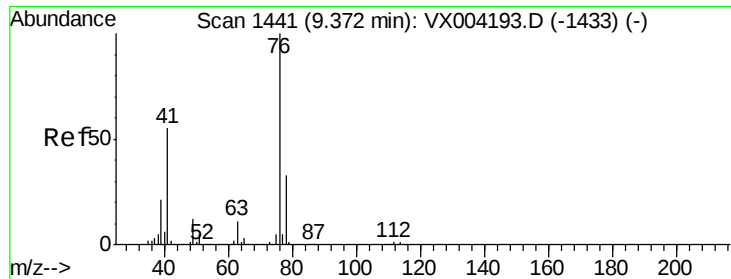
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#56
 Ethyl methacrylate
 Concen: 56.98 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion:	69	Resp:	311812
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.0	76.4
39	30.1	26.1	39.1





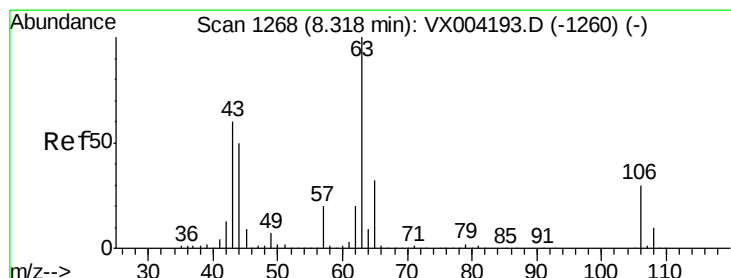
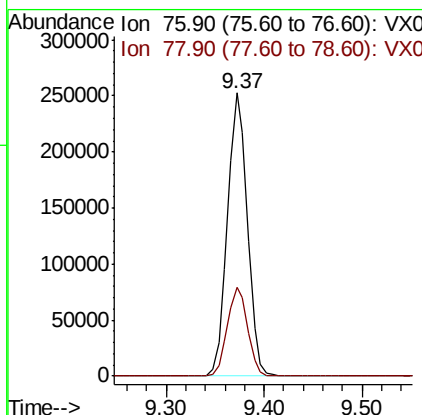
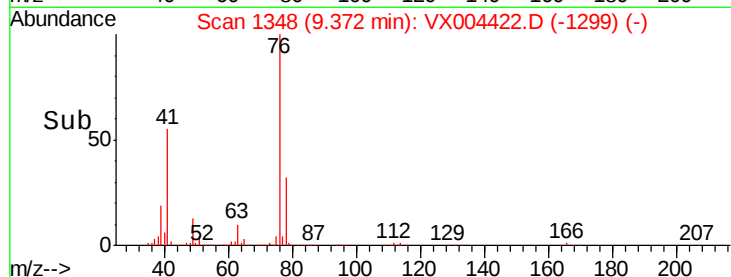
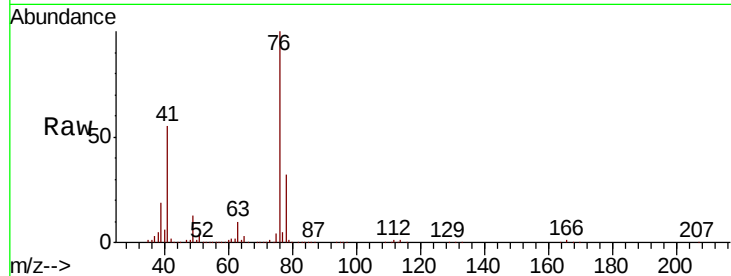
#57
 1,3-Dichloropropane
 Concen: 52.77 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

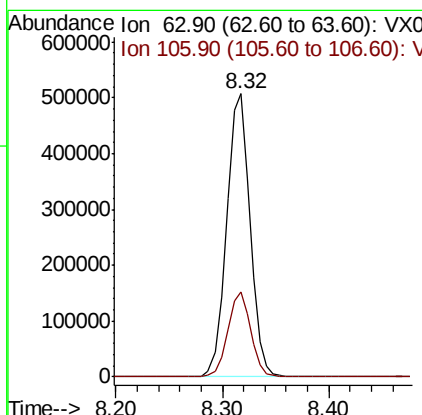
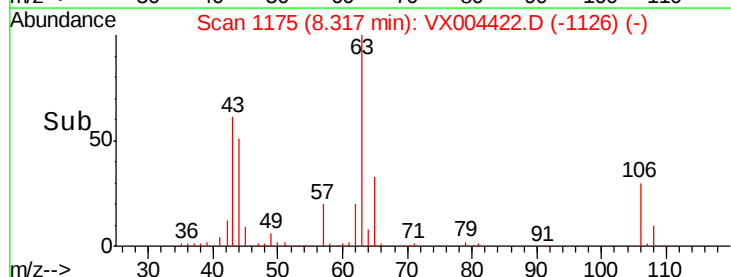
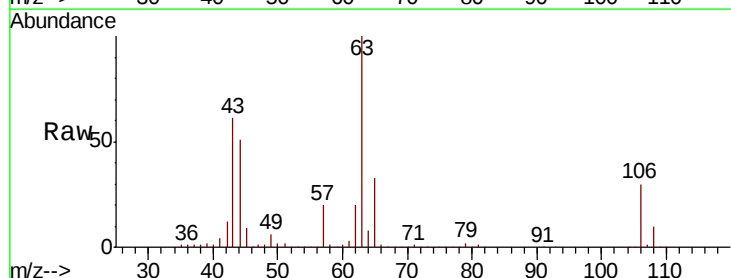
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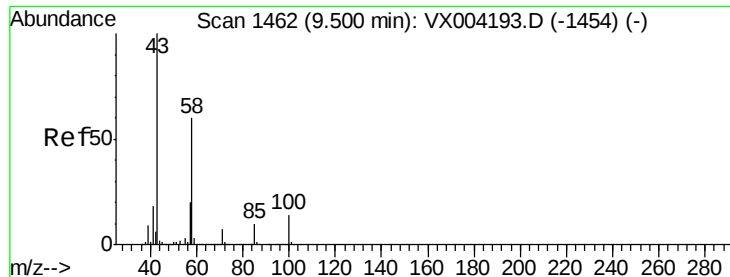
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#58
 2-Chloroethyl Vinyl ether
 Concen: 278.09 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.9	35.9





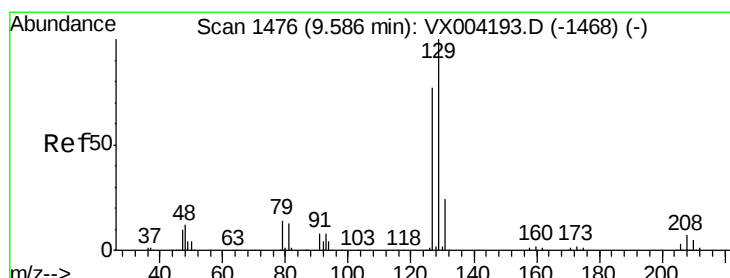
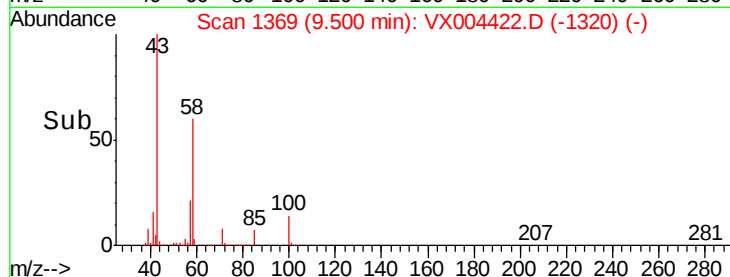
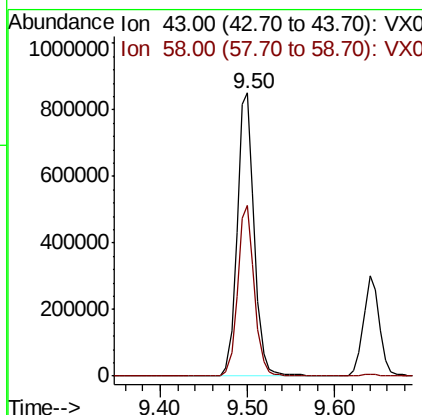
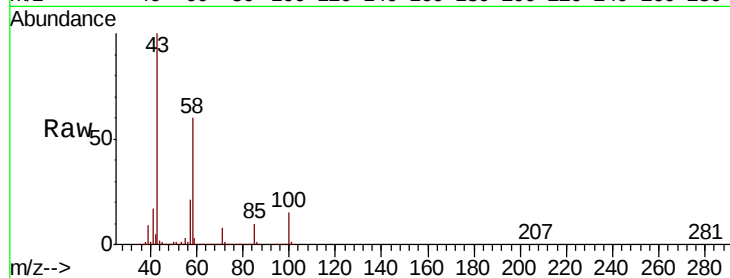
#59
2-Hexanone
Concen: 260.27 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1160806
Ion Ratio Lower Upper
43 100
58 59.0 29.0 87.0

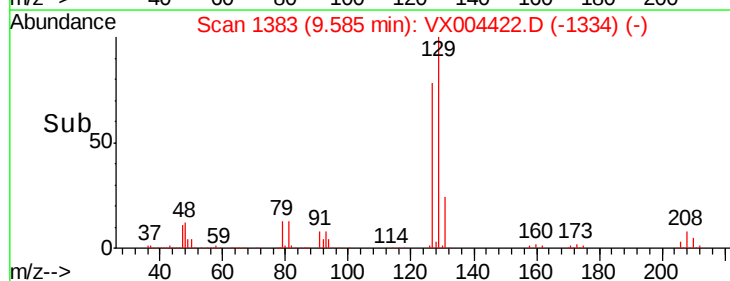
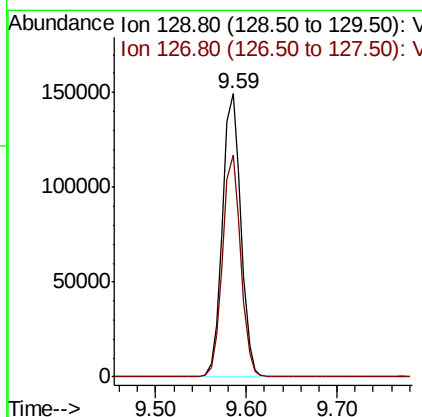
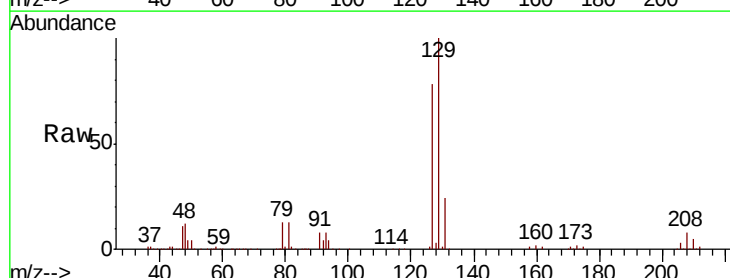
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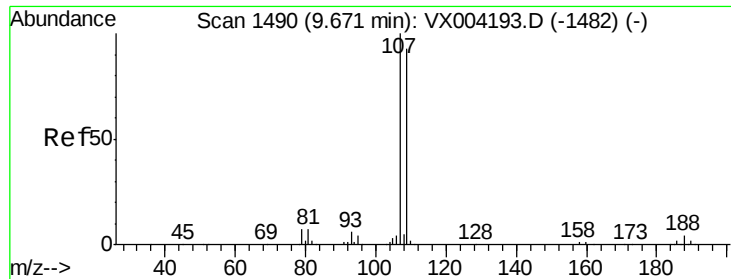
MMDadoda
9/10/2018 11:15:32 AM



#60
Dibromochloromethane
Concen: 54.10 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion: 129 Resp: 211880
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.17 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 212866

Ion Ratio Lower Upper

107 100

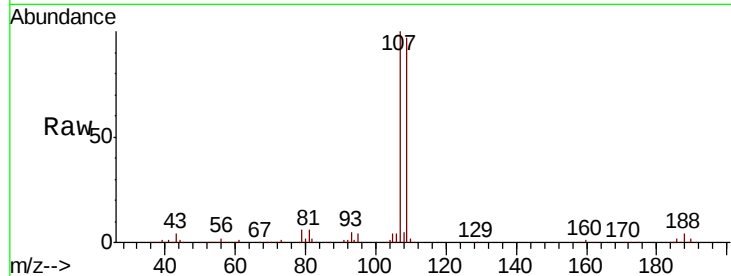
109 96.2 76.0 114.0

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9/10/2018 11:15:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

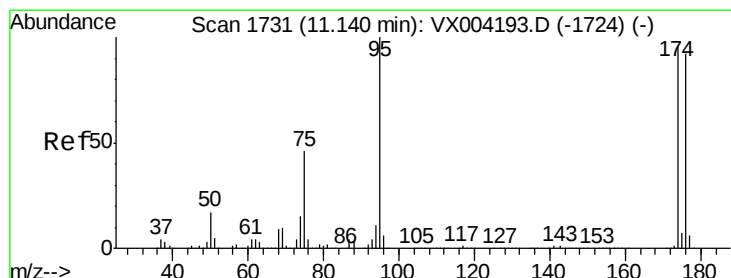
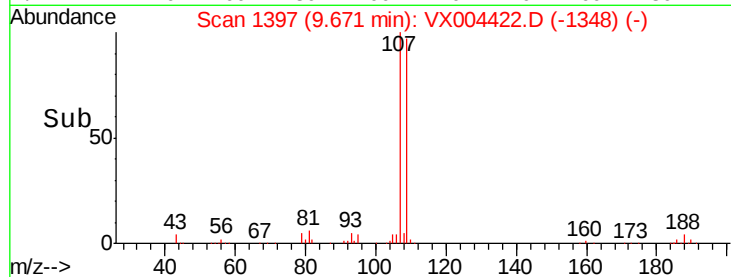
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 52.07 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

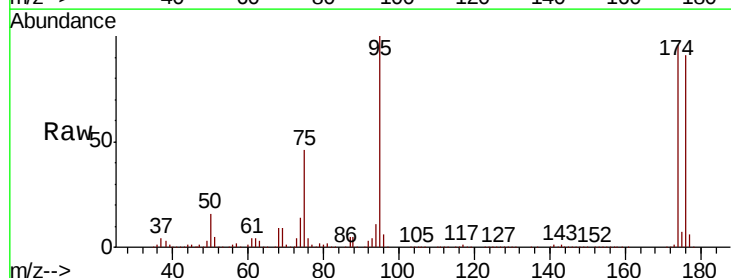
Tgt Ion: 95 Resp: 258397

Ion Ratio Lower Upper

95 100

174 92.2 0.0 185.2

176 88.8 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

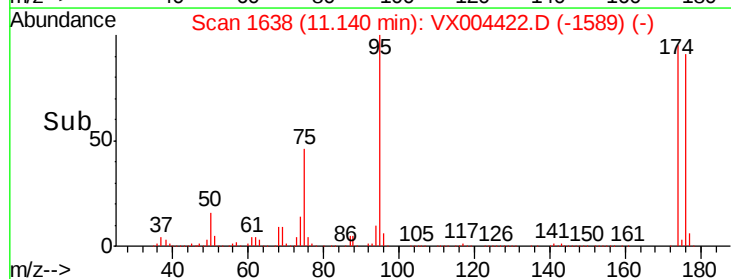
100000

50000

0

11.10 11.20

Time-->





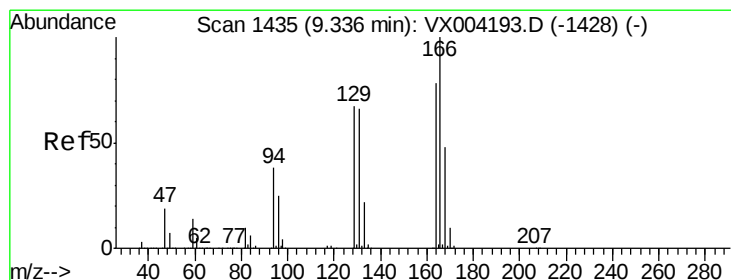
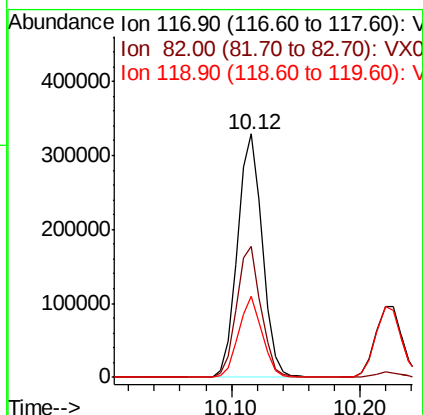
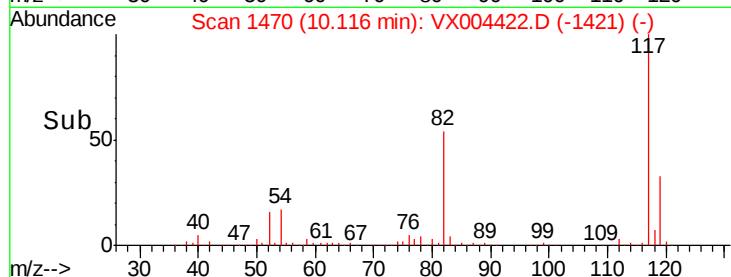
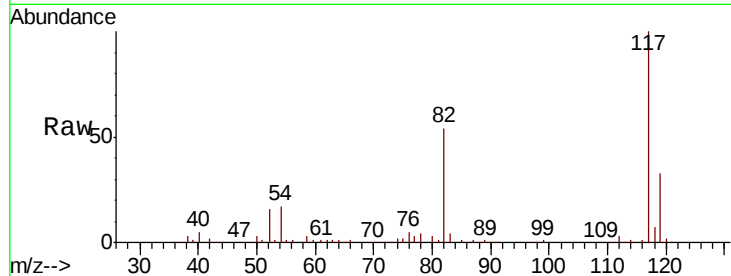
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	47.8	71.6
119	33.4	29.3	43.9

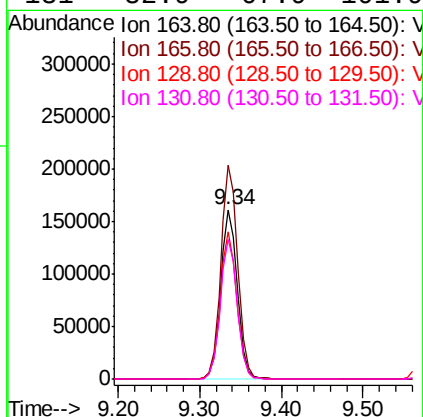
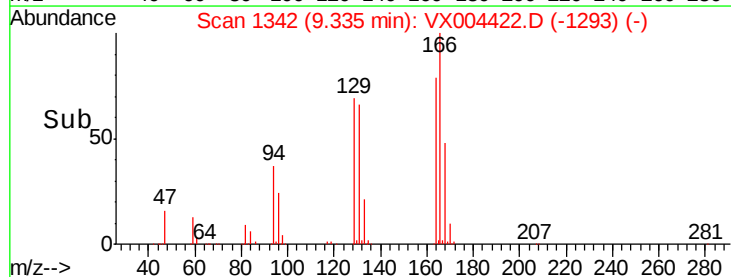
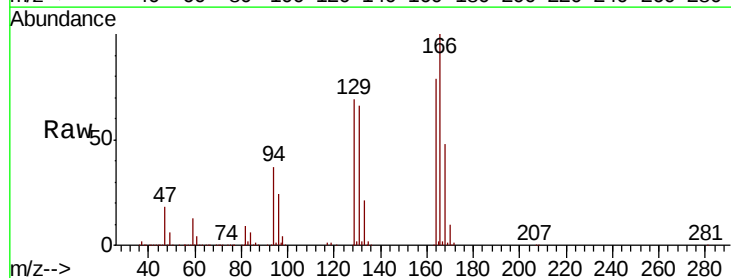
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9/10/2018 11:15:32 AM



#64
Tetrachloroethene
Concen: 52.49 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.8	154.2
129	87.1	69.4	104.0
131	82.9	67.9	101.9





#65

Chlorobenzene

Concen: 48.75 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 537784

Ion Ratio Lower Upper

112 100

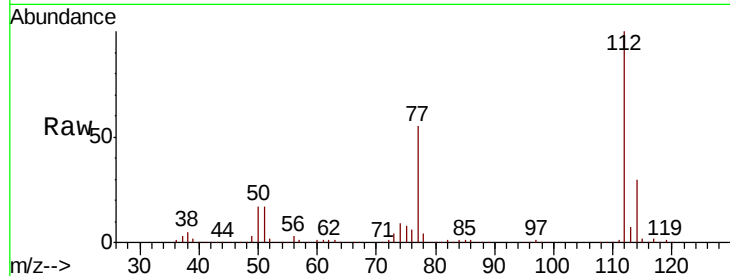
114 30.2 27.8 41.8

Manual Integrations

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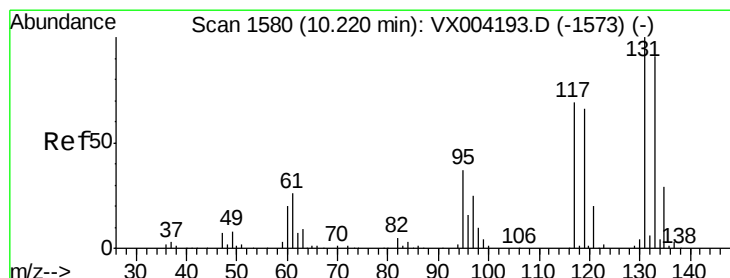
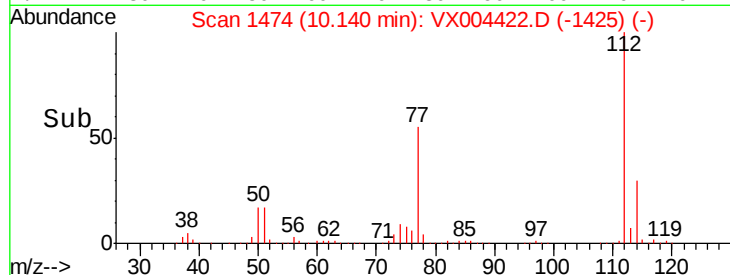
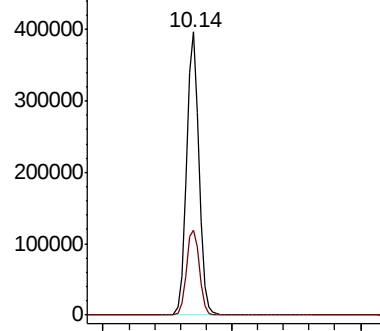
MMDadoda

9/10/2018 11:15:32 AM



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: 52.46 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

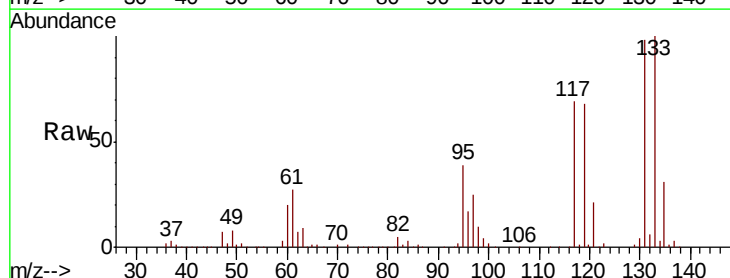
Tgt Ion:131 Resp: 199633

Ion Ratio Lower Upper

131 100

133 98.8 48.1 144.4

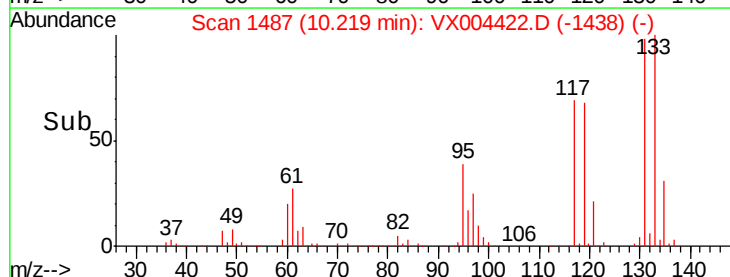
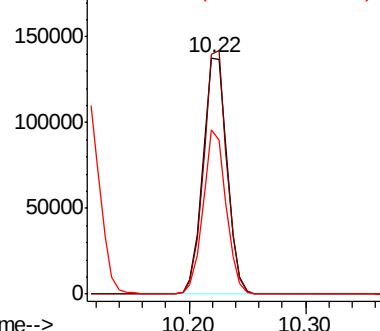
119 65.9 32.9 98.6

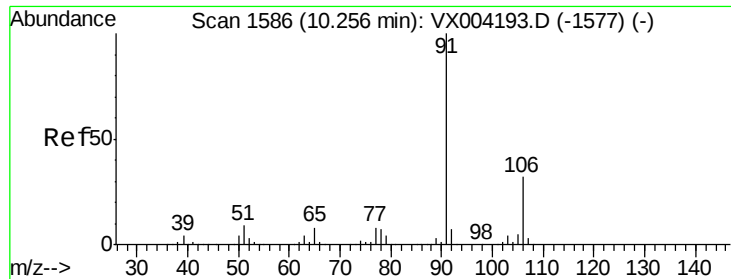


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





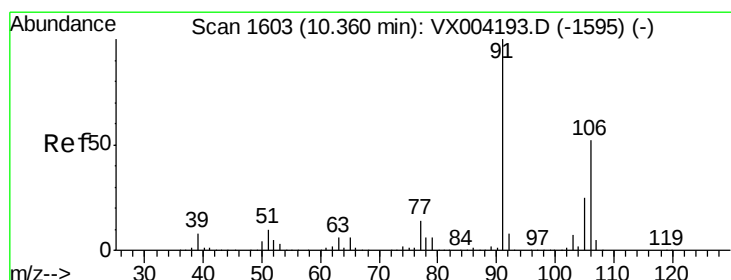
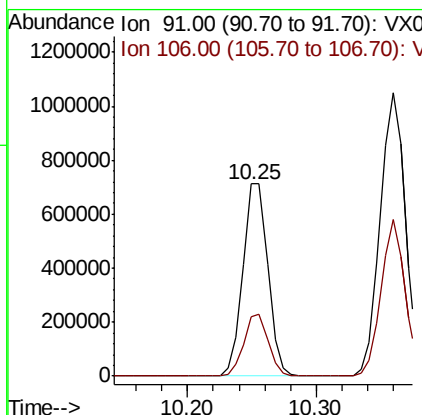
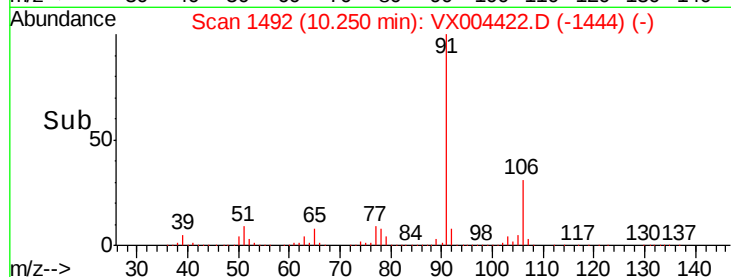
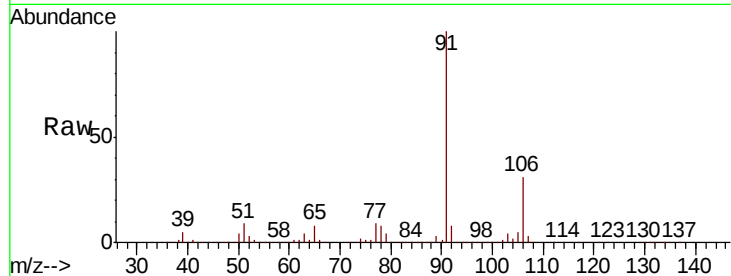
#67
Ethyl Benzene
Concen: 53.46 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 957877
Ion Ratio Lower Upper
91 100
106 31.0 25.9 38.9

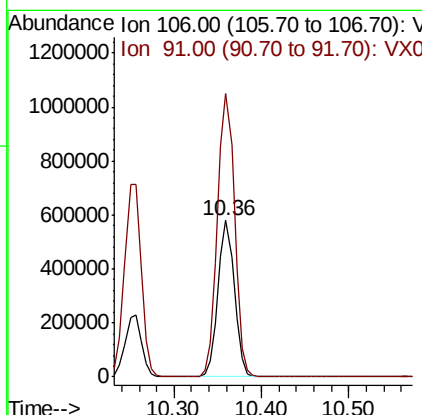
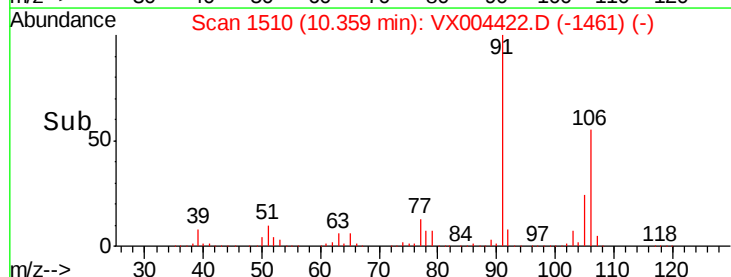
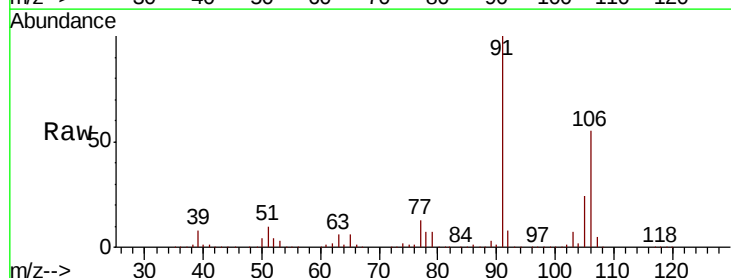
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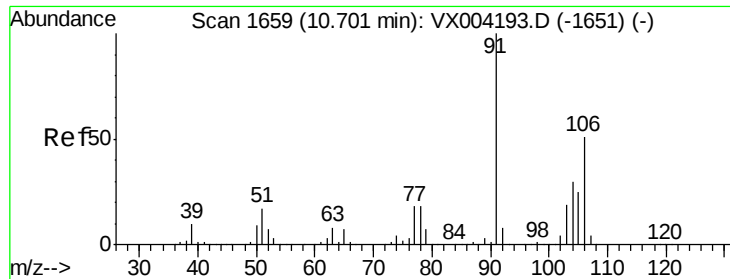
MMDadoda
9/10/2018 11:15:32 AM



#68
m/p-Xylenes
Concen: 106.94 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion: 106 Resp: 749200
Ion Ratio Lower Upper
106 100
91 189.6 157.1 235.7





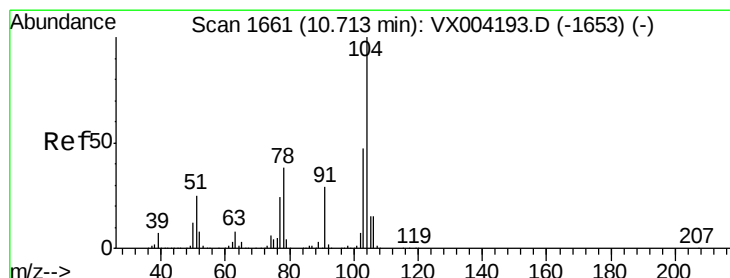
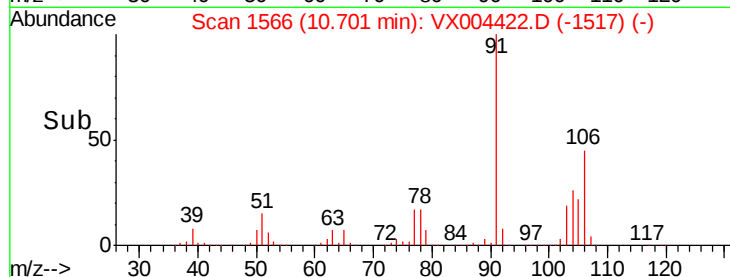
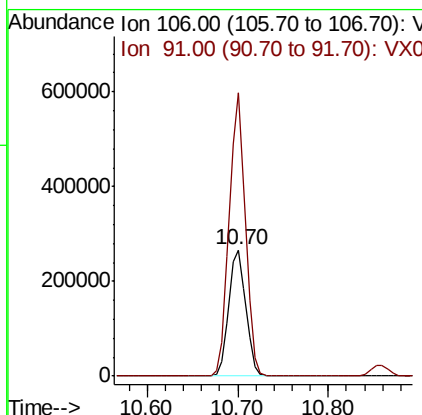
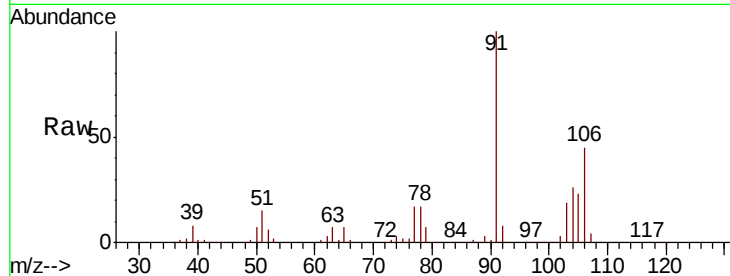
#69
o-Xylene
Concen: 52.53 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		348107		
91	214.4	105.1	315.1		

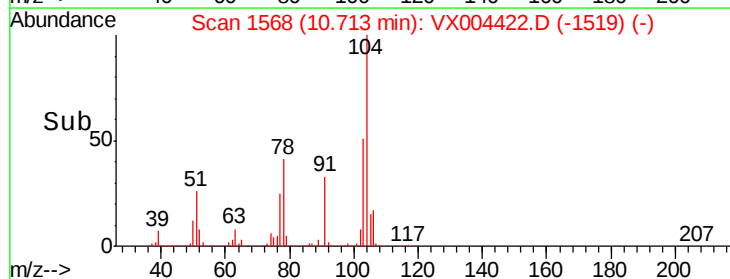
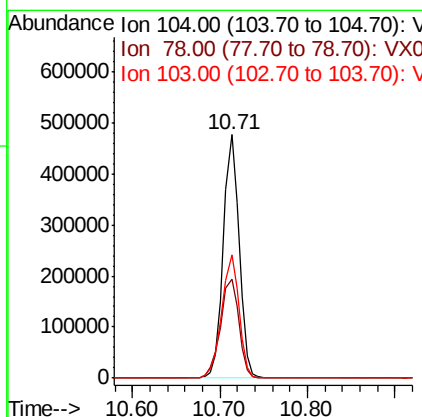
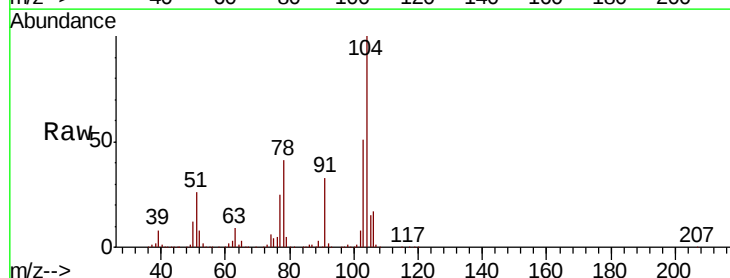
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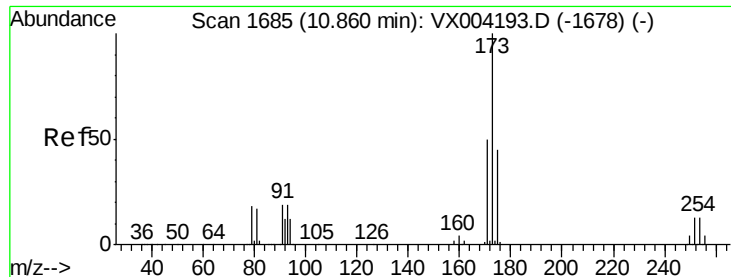
MMDadoda
9/10/2018 11:15:32 AM



#70
Styrene
Concen: 55.44 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		594903		
78	47.4	37.4	56.0		
103	55.5	43.8	65.6		





#71

Bromoform

Concen: 54.48 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 167106

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.3

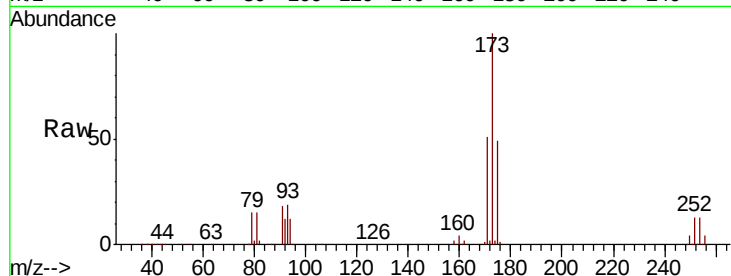
254 0.2 0.2 0.2

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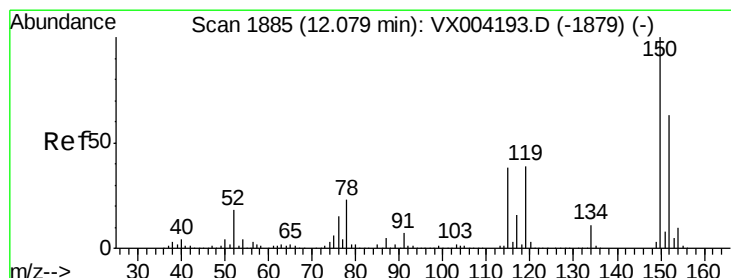
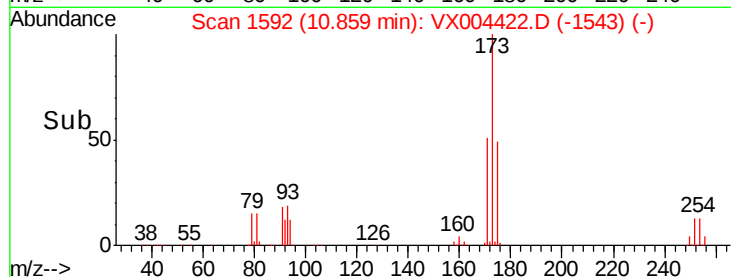
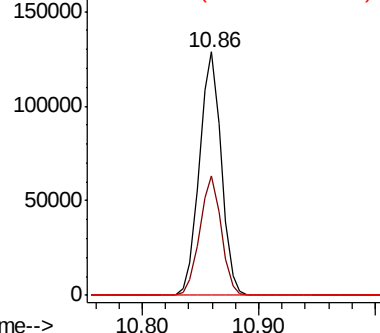
9/10/2018 11:15:32 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

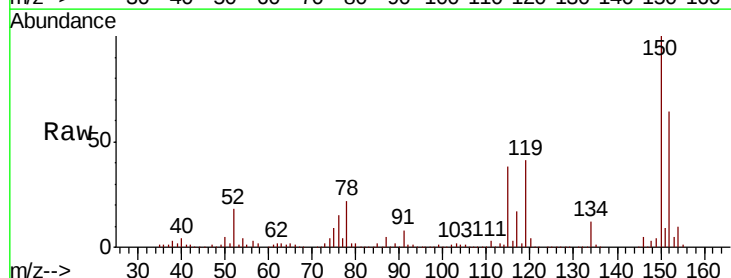
Tgt Ion:152 Resp: 281979

Ion Ratio Lower Upper

152 100

115 77.5 39.0 117.0

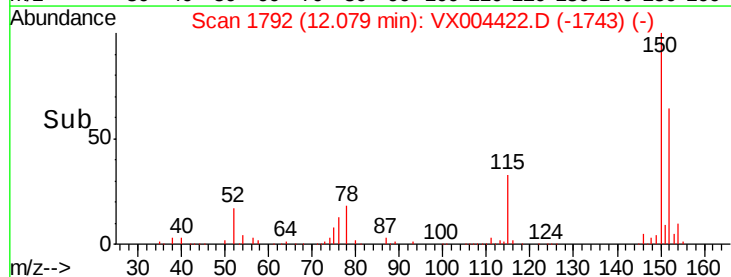
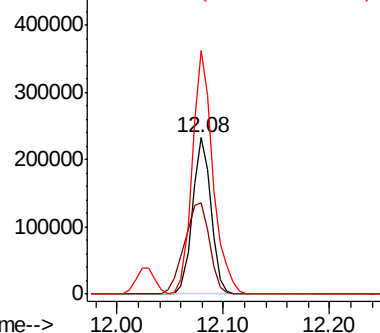
150 173.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.70 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 994506

Ion Ratio Lower Upper

105 100

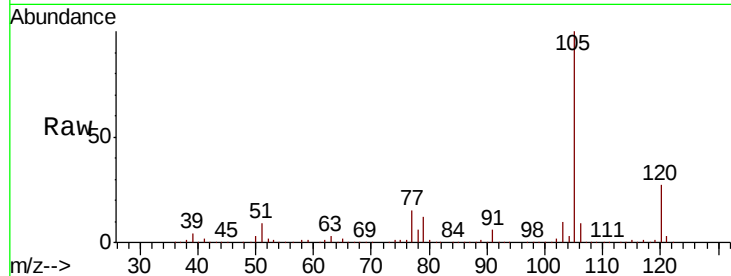
120 26.9 13.5 40.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

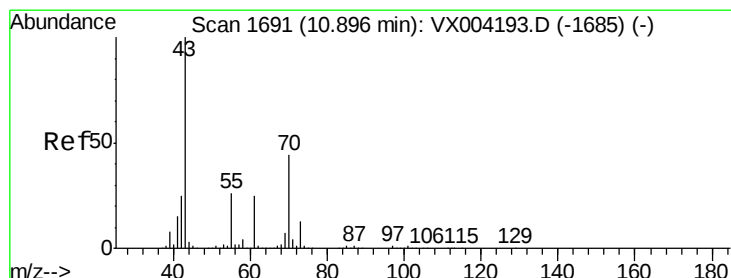
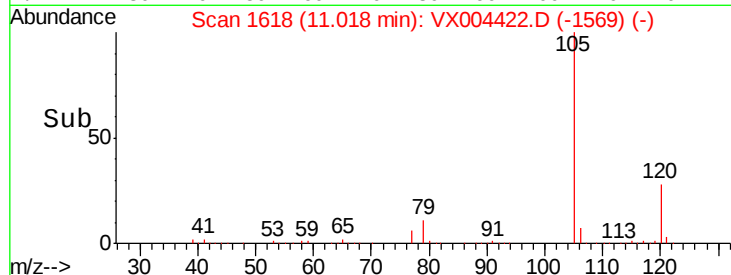
0

11.02

10.90

11.10

Time-->



#74

N-ethyl acetate

Concen: 53.57 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Tgt Ion: 43 Resp: 381974

Ion Ratio Lower Upper

43 100

70 47.2 37.4 56.0

55 27.3 21.8 32.8

61 26.4 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

500000

400000

300000

200000

100000

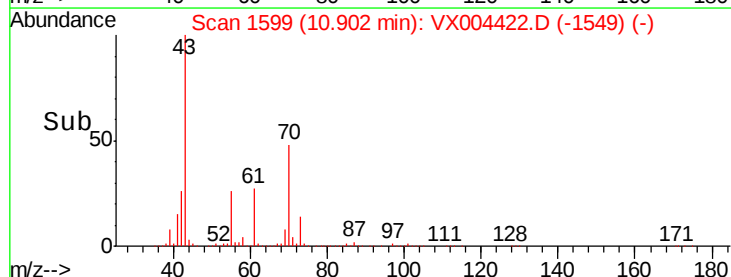
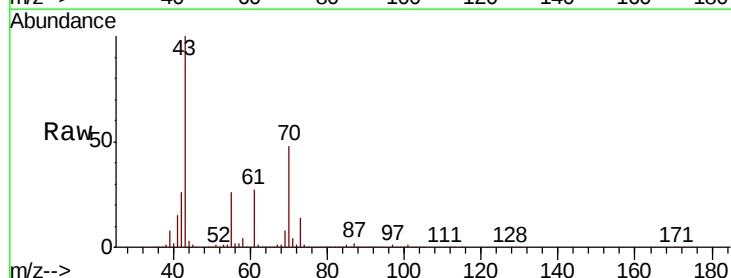
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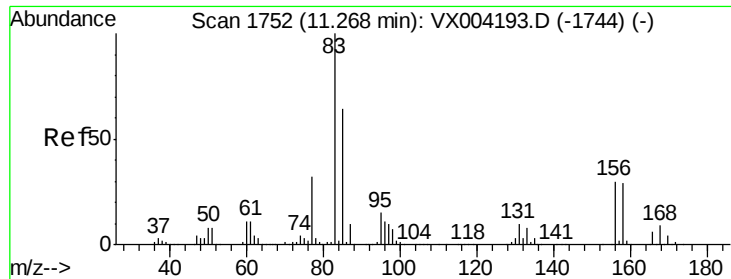
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.93 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

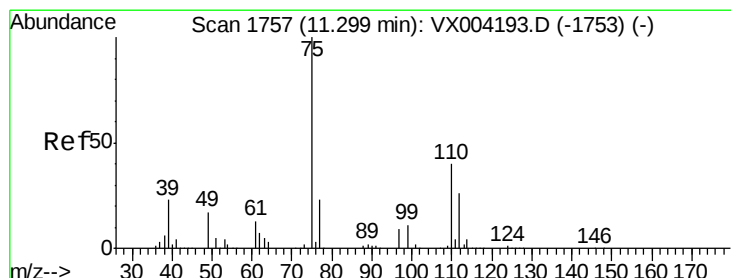
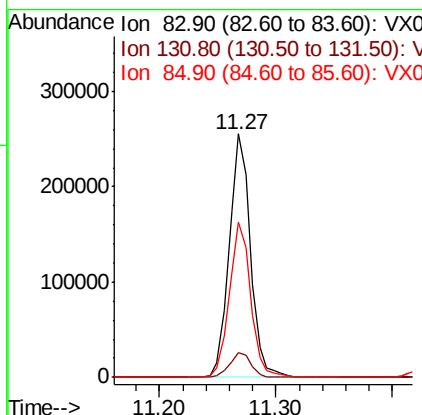
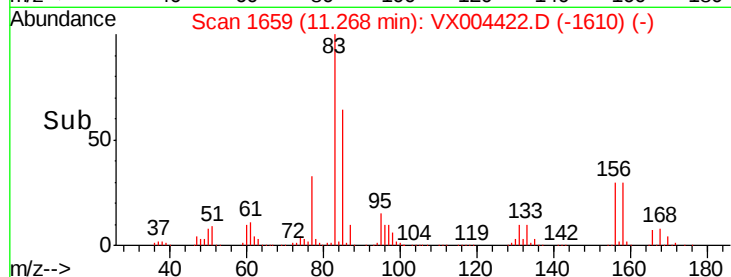
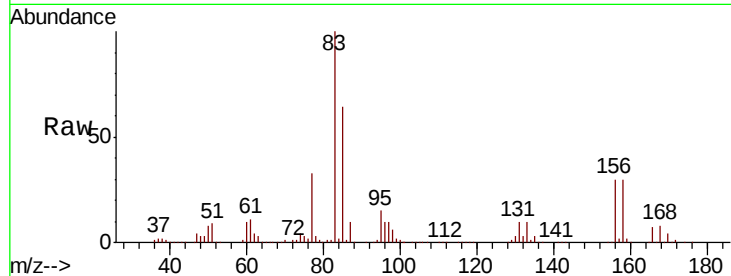
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	323594
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 51.42 ug/l m

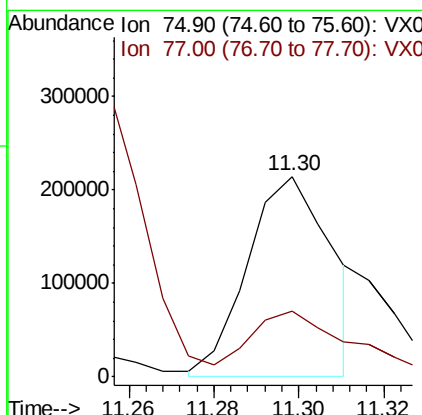
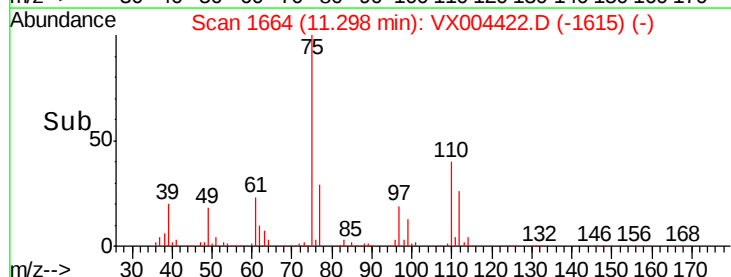
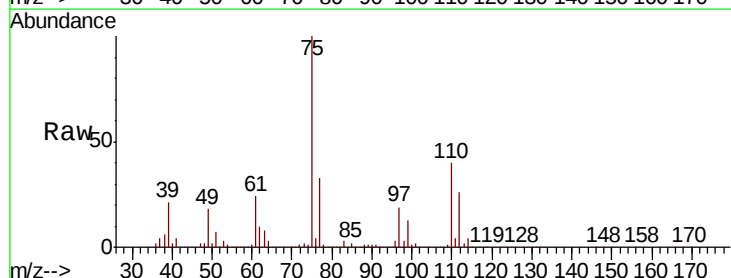
RT: 11.30 min Scan# 1664

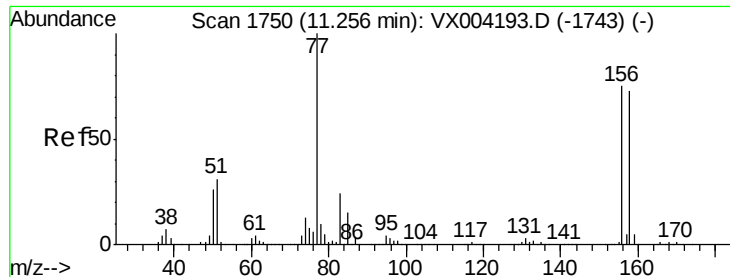
Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Tgt Ion:	75	Resp:	294870
Ion Ratio	Lower	Upper	
75	100		
77	39.5	20.2	60.6





#77

Bromobenzene

Concen: 50.66 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

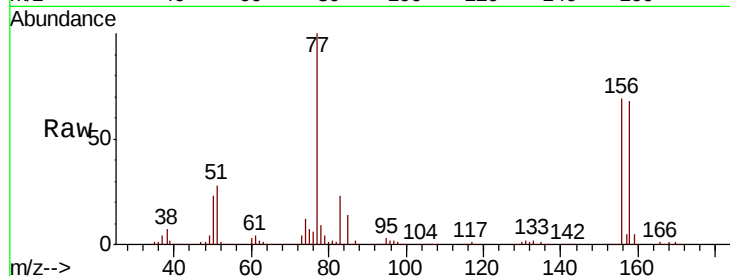
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	263192
Ion Ratio	Lower	Upper	
156	100		
77	145.7	71.5	214.3
158	97.9	48.9	146.8

Manual Integrations
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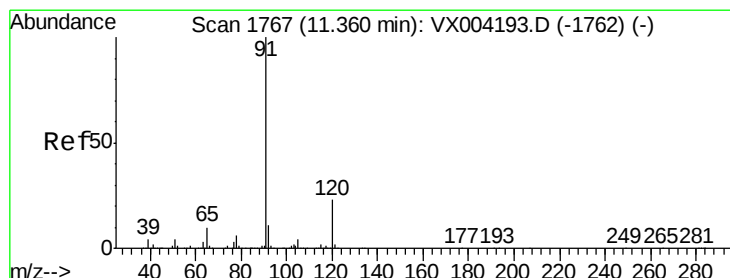
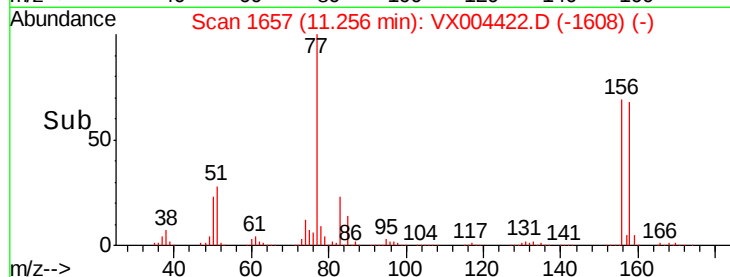
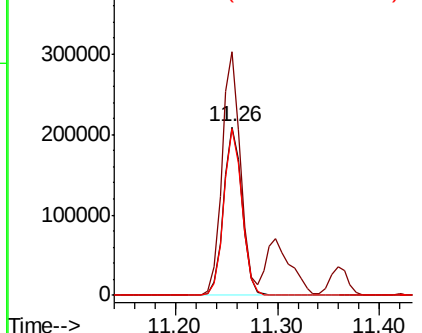
MMDadoda
9/10/2018 11:15:32 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.98 ug/l

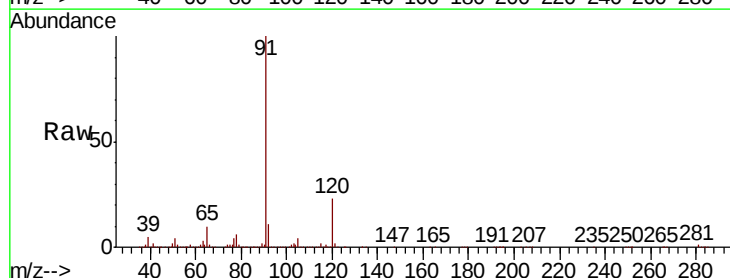
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004422.D

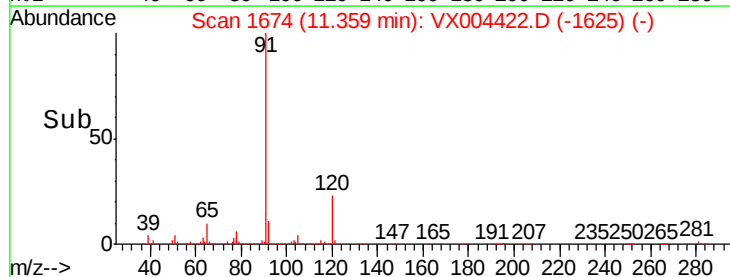
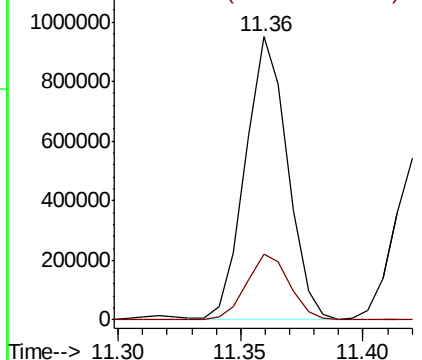
Acq: 07 Sep 2018 22:19

Tgt Ion:	91	Resp:	1128525
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.13 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 670397

Ion Ratio Lower Upper

91 100

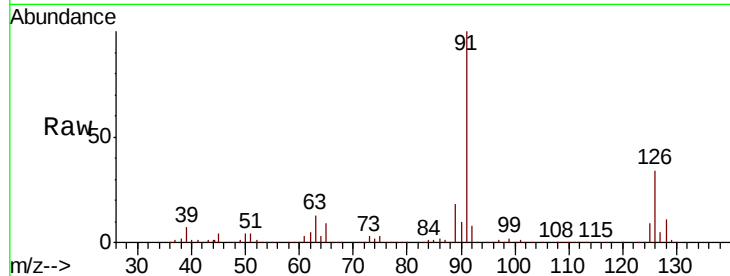
126 35.3 17.9 53.7

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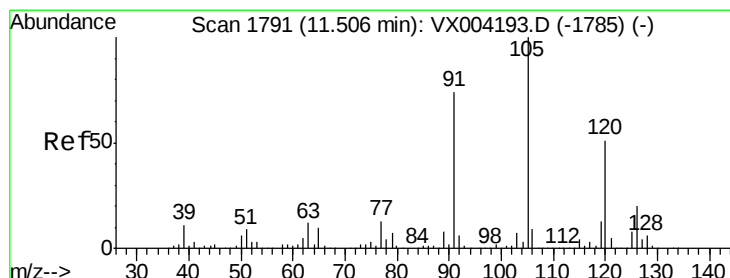
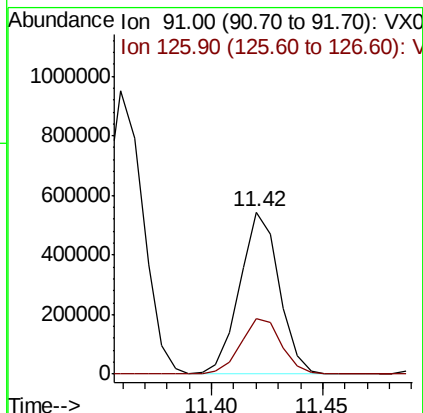
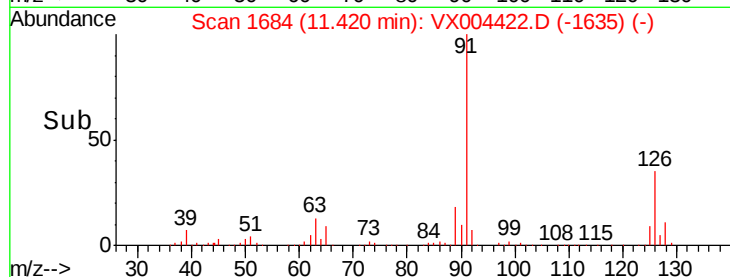
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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 53.73 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004422.D

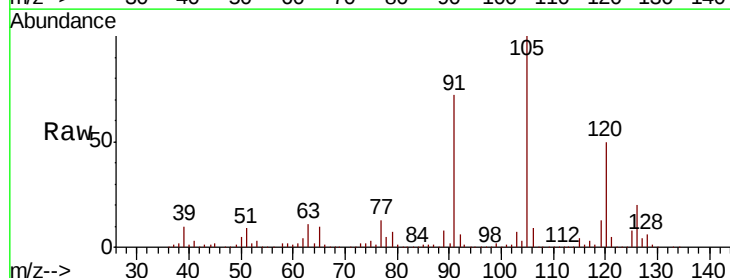
Acq: 07 Sep 2018 22:19

Tgt Ion: 105 Resp: 824005

Ion Ratio Lower Upper

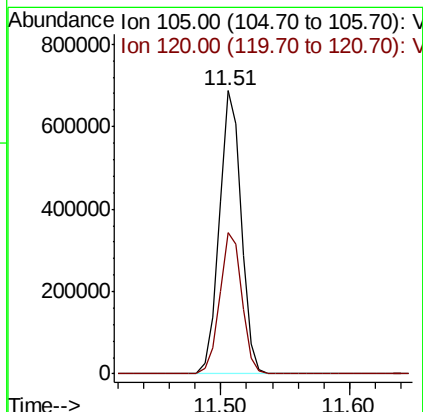
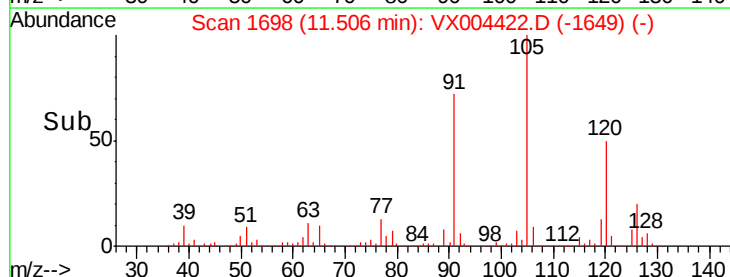
105 100

120 50.6 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) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.49 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 87478

Ion Ratio Lower Upper

75 100

53 96.3 80.1 120.1

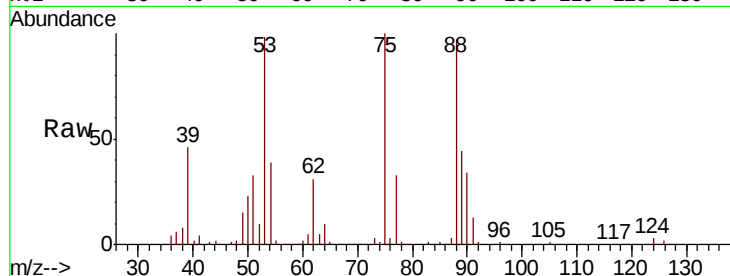
89 45.0 37.2 55.8

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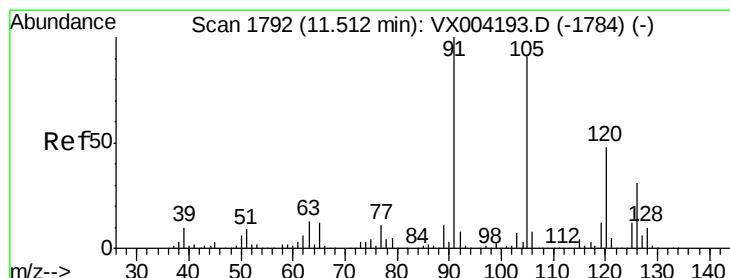
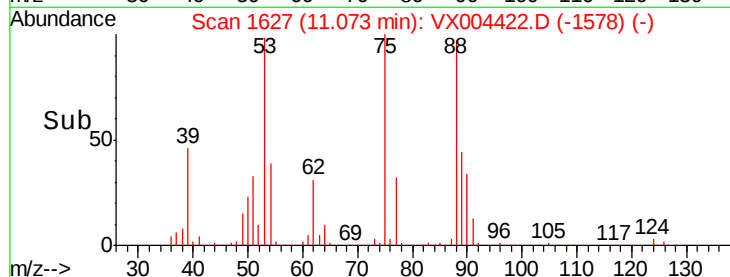
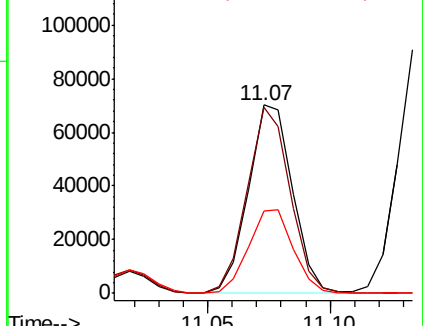
9/10/2018 11:15:32 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 50.59 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004422.D

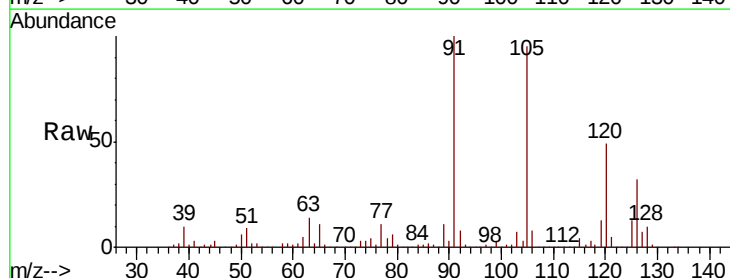
Acq: 07 Sep 2018 22:19

Tgt Ion: 91 Resp: 780409

Ion Ratio Lower Upper

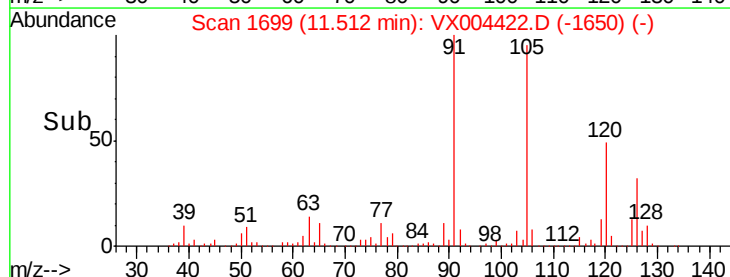
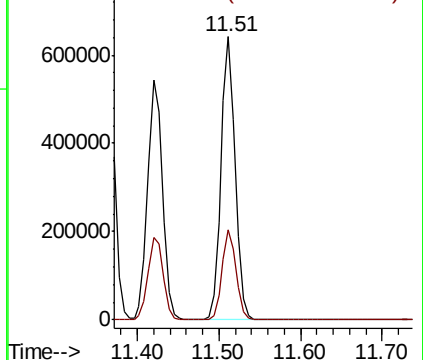
91 100

126 31.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





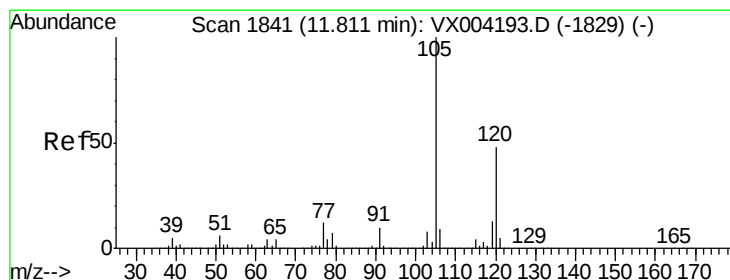
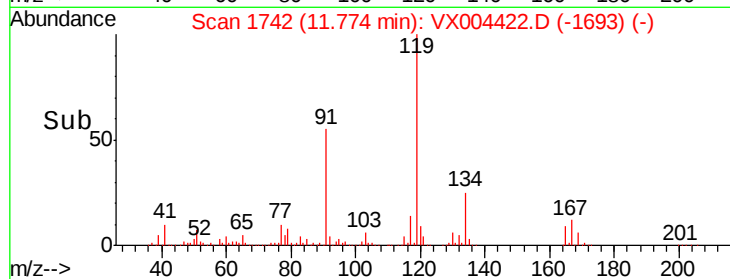
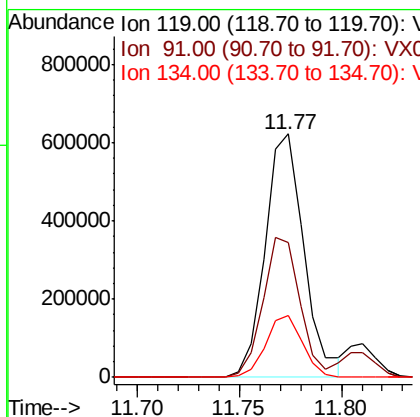
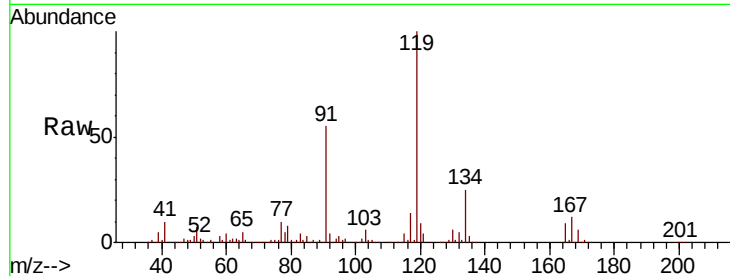
#83
 tert-Butylbenzene
 Concen: 53.43 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	27.0	81.0
134	24.1	11.7	35.1

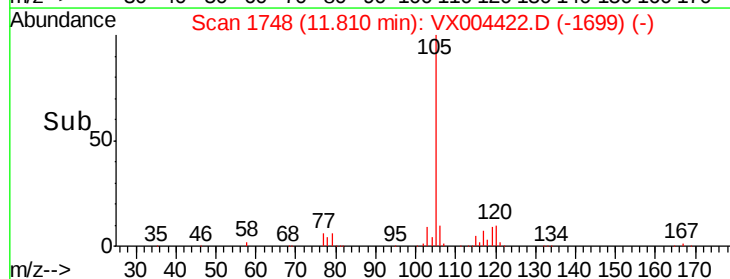
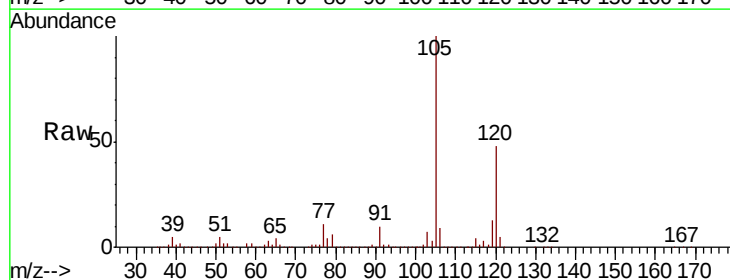
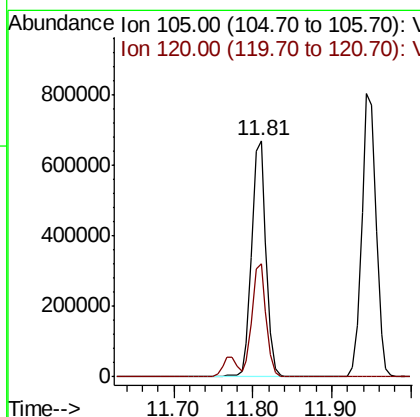
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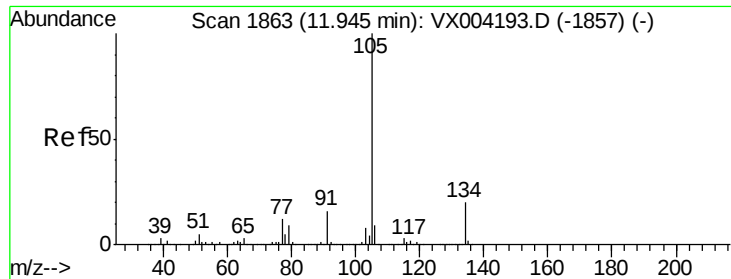
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.75 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.2	69.6





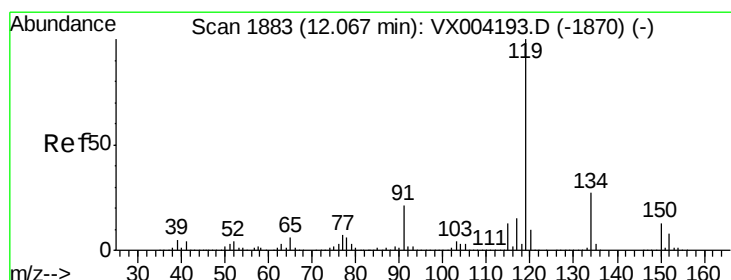
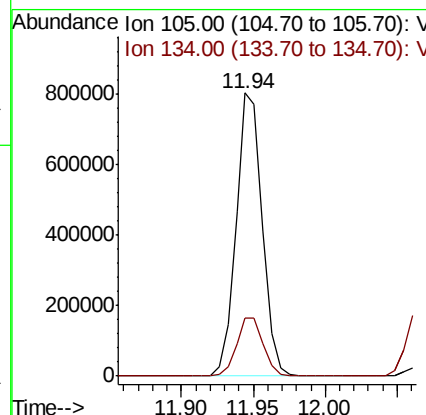
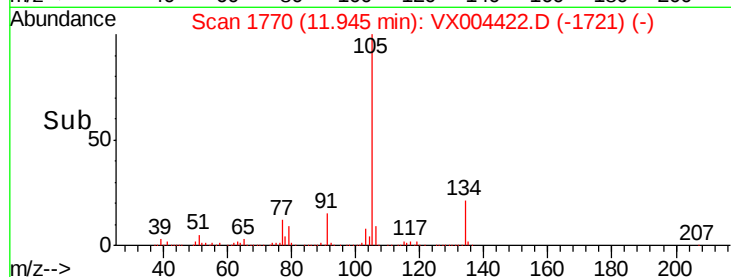
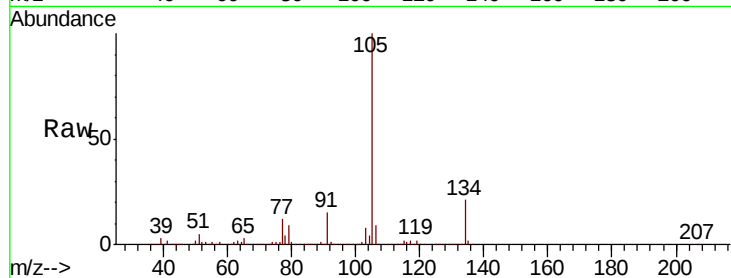
#85
 sec-Butylbenzene
 Concen: 55.41 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

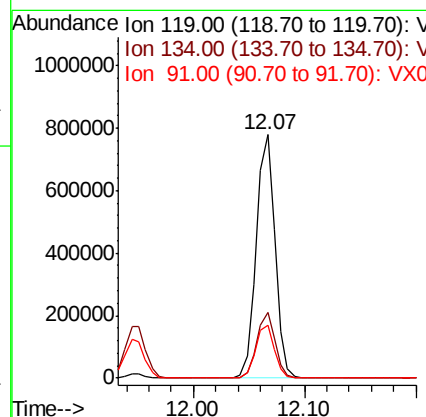
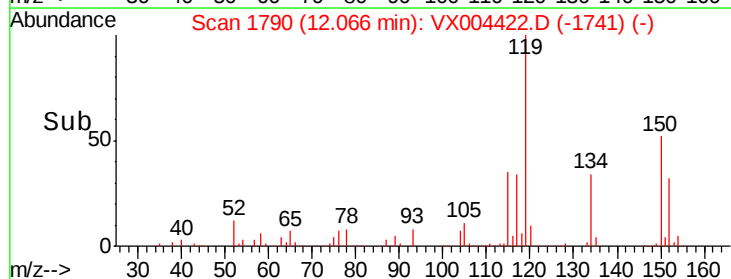
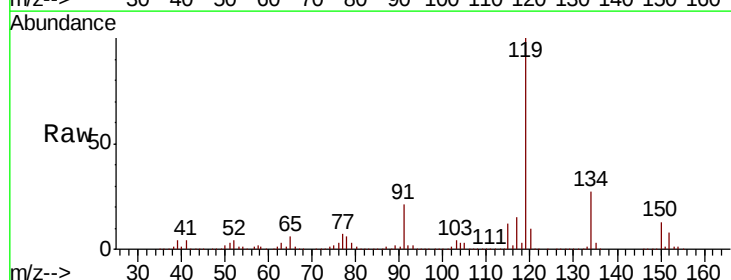
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#86
 p-Isopropyltoluene
 Concen: 55.61 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	21.6	10.9	32.7





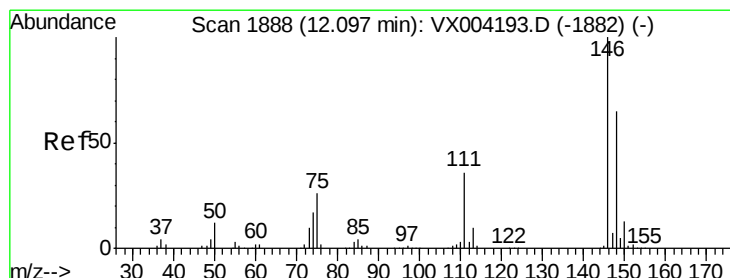
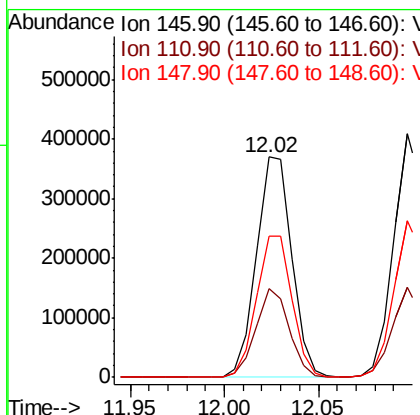
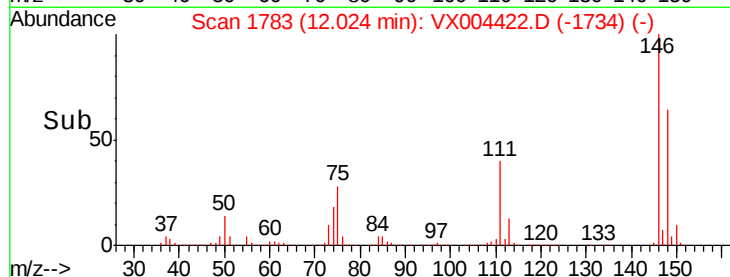
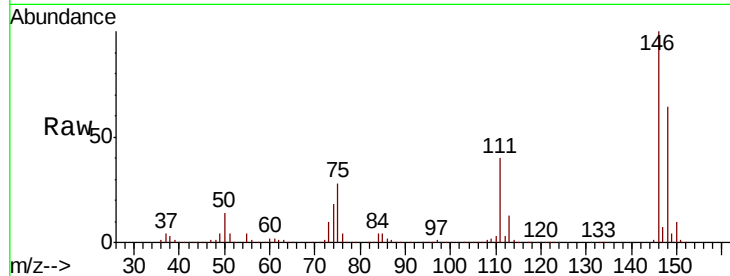
#87
 1,3-Dichlorobenzene
 Concen: 49.33 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.4	32.1	96.5

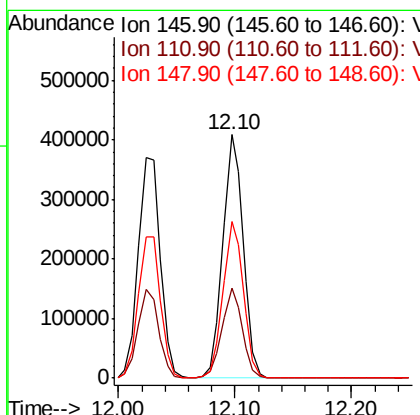
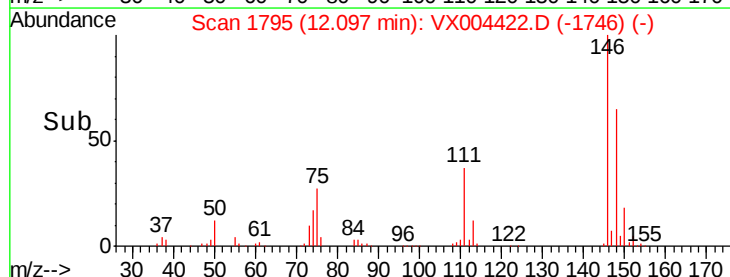
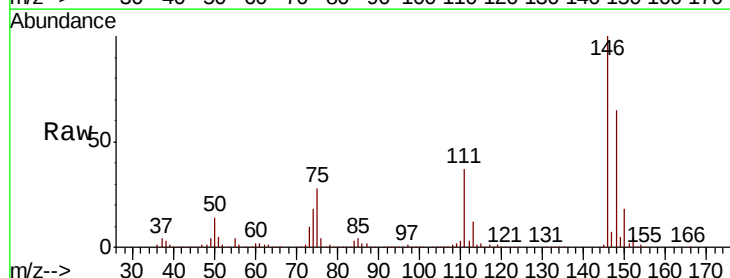
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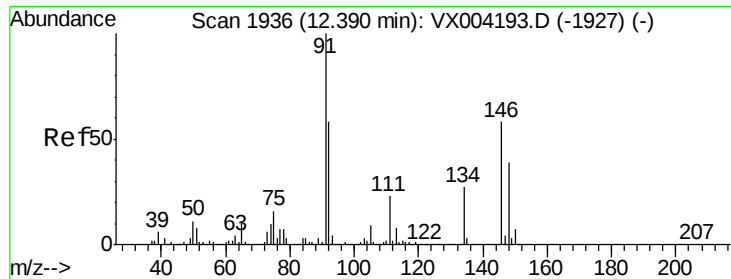
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#88
 1,4-Dichlorobenzene
 Concen: 47.76 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	64.5	32.0	96.0





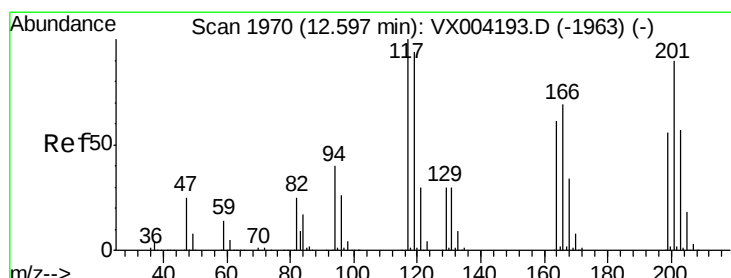
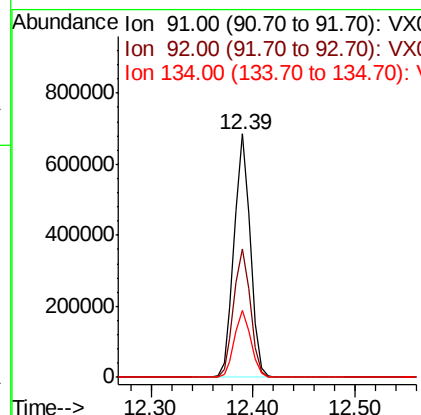
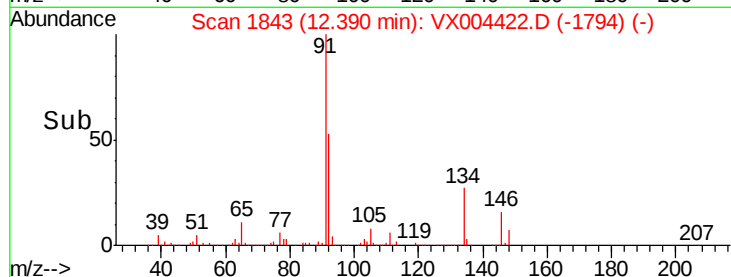
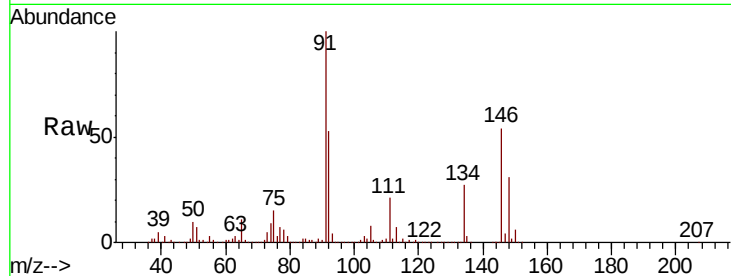
#89
n-Butylbenzene
Concen: 56.16 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.9
134	27.9	13.6	40.7

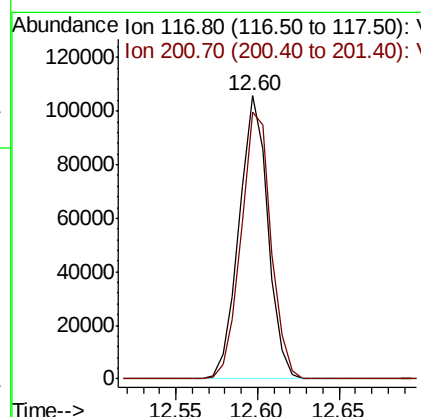
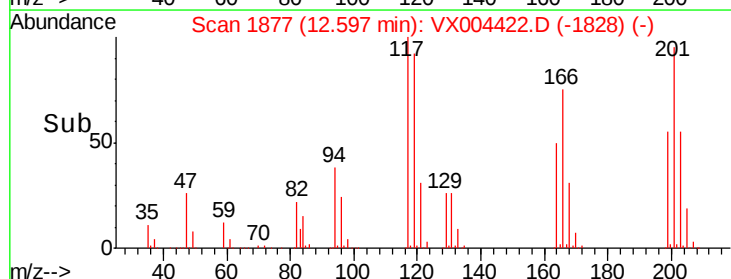
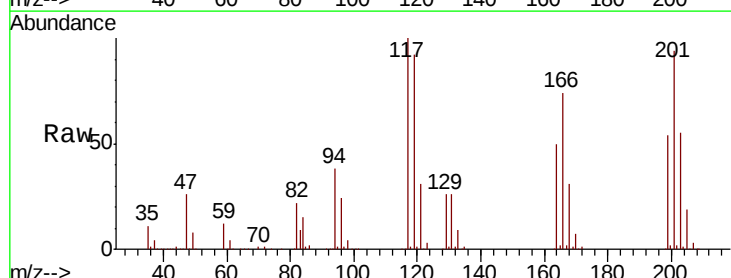
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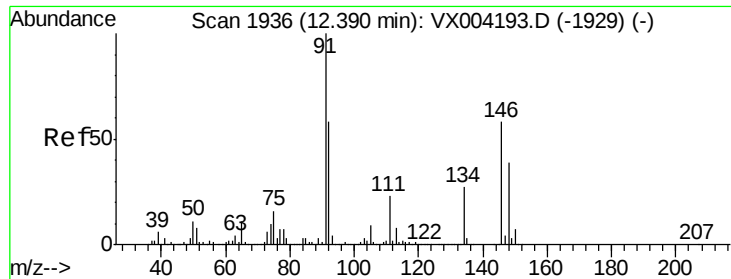
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#90
Hexachloroethane
Concen: 56.52 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004422.D
Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.2	46.9	140.6





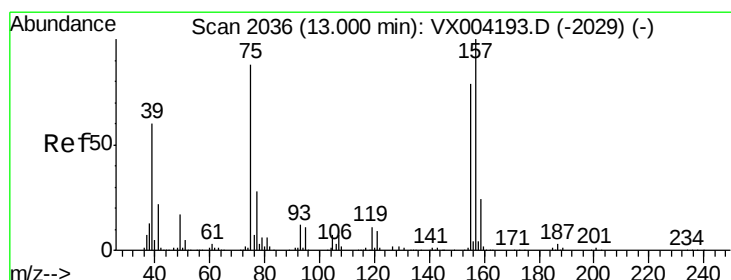
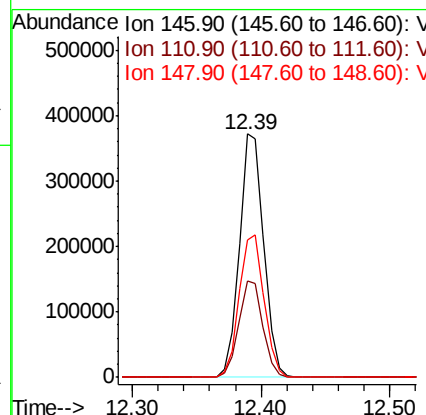
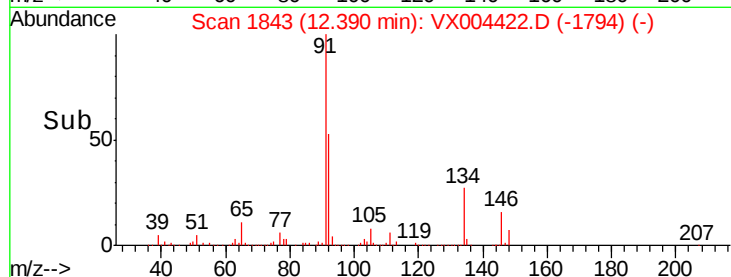
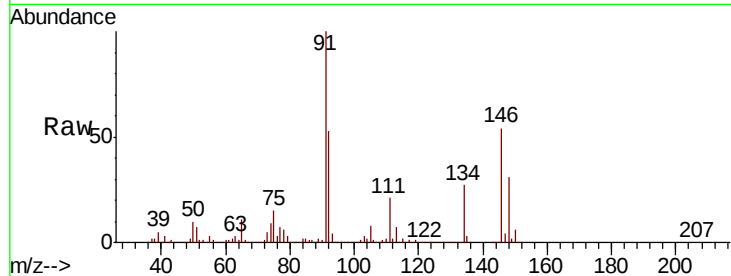
#91
 1,2-Dichlorobenzene
 Concen: 54.49 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.1
148	60.1	32.8	98.3

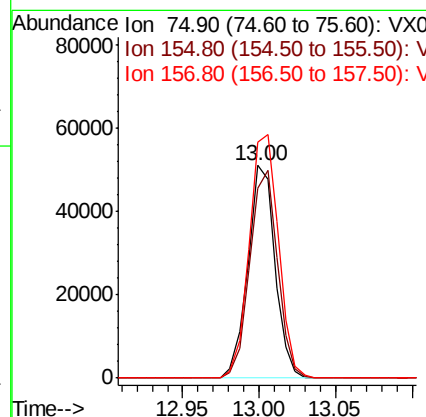
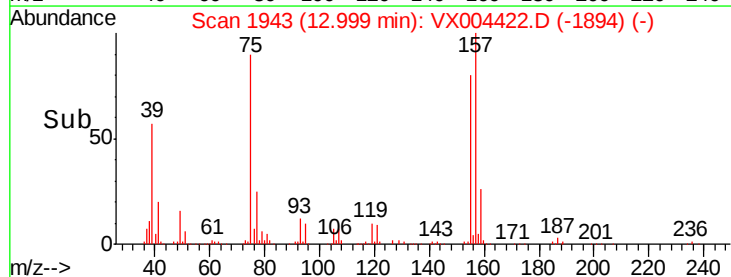
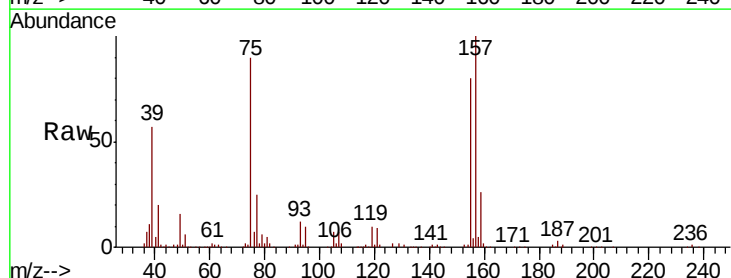
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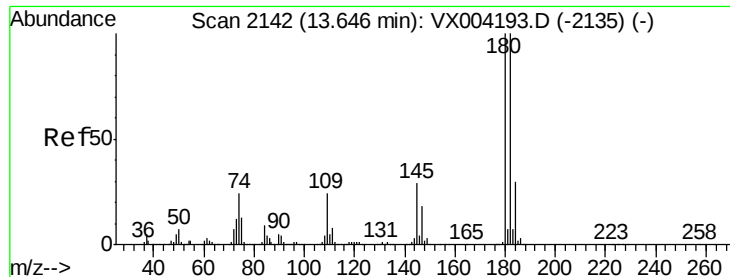
MMDadoda
 9/10/2018 11:15:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.08 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	48.0	144.2
157	123.1	61.4	184.1





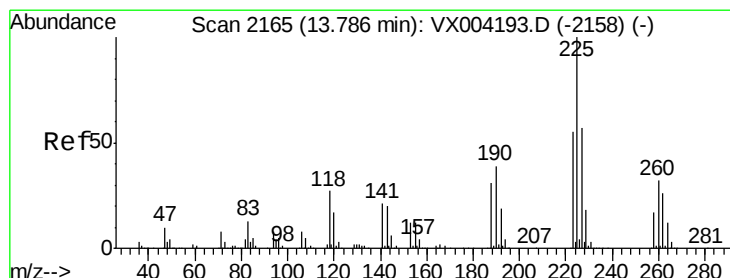
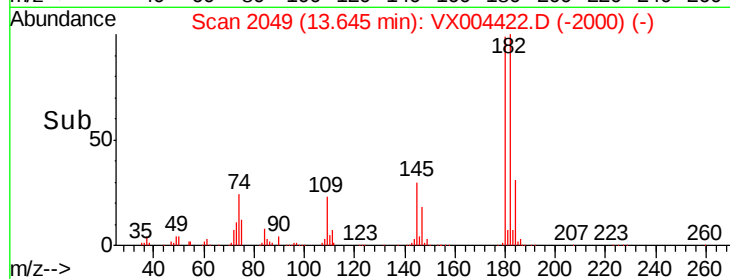
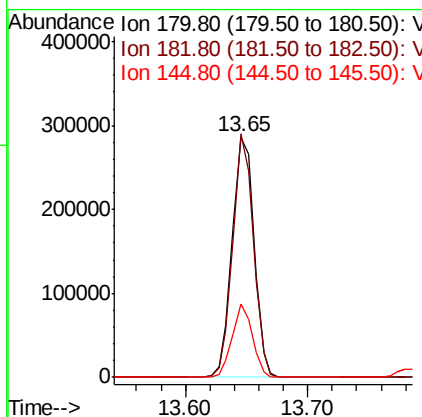
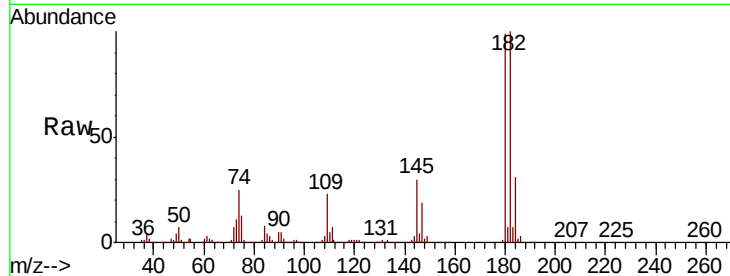
#93
 1,2,4-Trichlorobenzene
 Concen: 54.30 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	353186
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.4	145.0
145	27.9	14.3	42.9

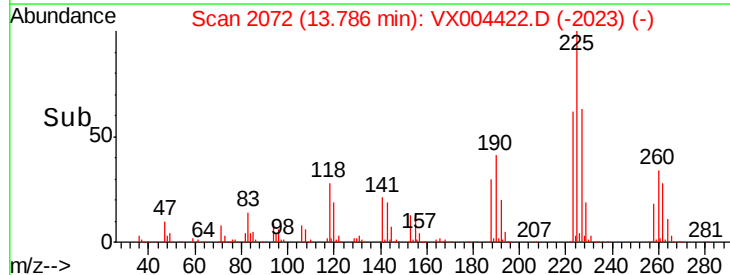
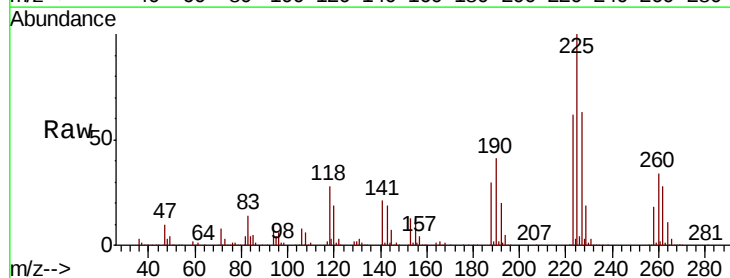
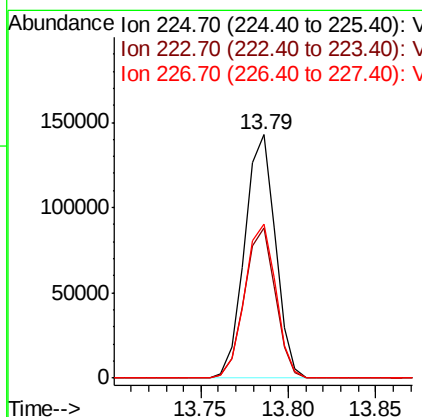
Manual Integrations
 APPROVED

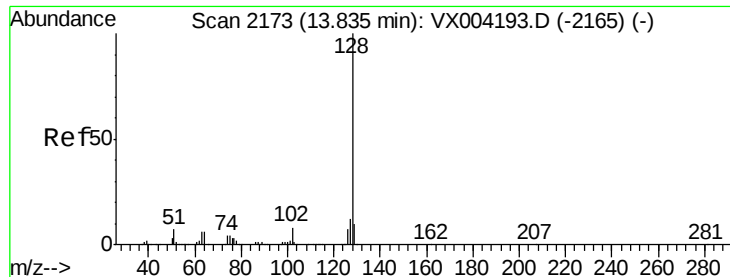
MMDadoda
 9/10/2018 11:15:32 AM



#94
 Hexachlorobutadiene
 Concen: 57.94 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004422.D
 Acq: 07 Sep 2018 22:19

Tgt Ion:	225	Resp:	175268
Ion Ratio	Lower	Upper	
225	100		
223	61.9	30.1	90.5
227	64.0	30.8	92.4





#95

Naphthalene

Concen: 59.13 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1087721

Ion Ratio Lower Upper

128 100

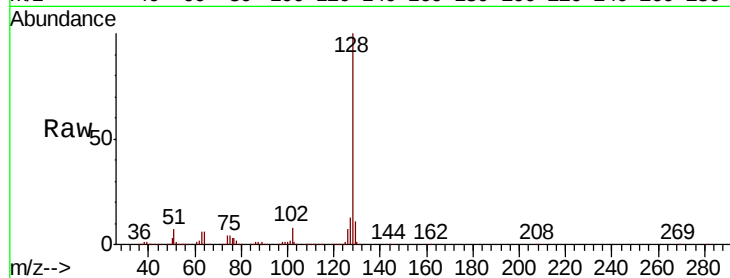
127 12.7 10.2 15.2

129 10.9 8.6 12.8

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APPROVED

MMDadoda

9/10/2018 11:15:32 AM

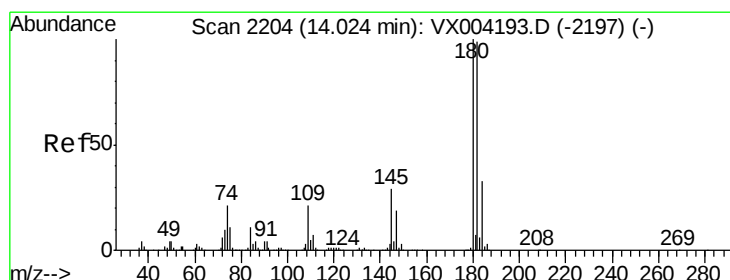
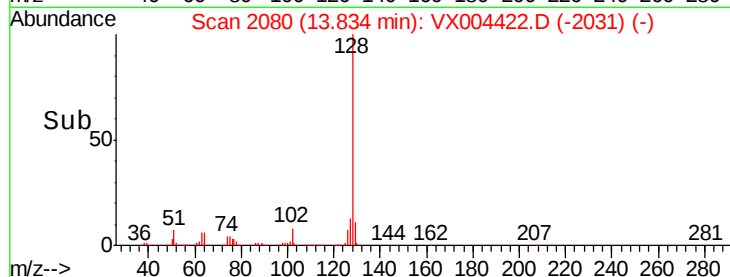
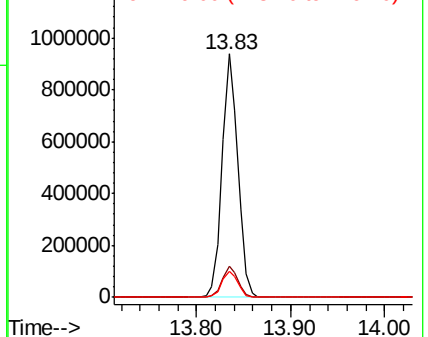


Abundance

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: 54.13 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004422.D

Acq: 07 Sep 2018 22:19

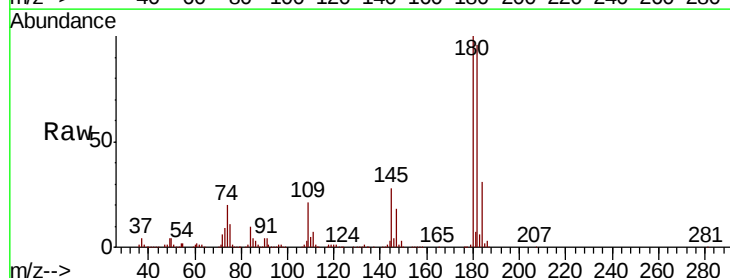
Tgt Ion:180 Resp: 372718

Ion Ratio Lower Upper

180 100

182 95.4 48.5 145.6

145 29.5 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

