

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\
 Data File : VX004401.D
 Acq On : 07 Sep 2018 11:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:15:25 AM

Quant Time: Sep 08 03:30:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	369008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	521993	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	486206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	305607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	214024	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
35) Dibromofluoromethane	5.50	113	189179	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.71	98	708025	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.13	95	276514	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	159817	37.39	ug/l	97
3) Chloromethane	1.32	50	183548	38.92	ug/l	100
4) Vinyl Chloride	1.40	62	207018	42.82	ug/l	99
5) Bromomethane	1.64	94	100797	41.97	ug/l	99
6) Chloroethane	1.71	64	147867	42.69	ug/l	99
7) Trichlorofluoromethane	1.92	101	295150	44.55	ug/l	95
8) Diethyl Ether	2.18	74	133979	47.22	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	191937	46.25	ug/l	99
10) Methyl Iodide	2.51	142	213524	45.97	ug/l	98
11) Tert butyl alcohol	3.06	59	227214	221.62	ug/l	100
12) 1,1-Dichloroethene	2.37	96	173341	44.34	ug/l	99
13) Acrolein	2.29	56	74068	299.67	ug/l	99
14) Allyl chloride	2.72	41	338924	47.19	ug/l	98
15) Acrylonitrile	3.15	53	584745	230.31	ug/l	99
16) Acetone	2.44	43	480285	244.45	ug/l	99
17) Carbon Disulfide	2.57	76	433812	40.12	ug/l	100
18) Methyl Acetate	2.78	43	419142	58.73	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	626358	48.62	ug/l	97
20) Methylene Chloride	2.85	84	203743	44.01	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	188709	43.61	ug/l	97
22) Diisopropyl ether	3.87	45	636260	47.45	ug/l	99
23) Vinyl Acetate	3.82	43	2463965	226.70	ug/l	100
24) 1,1-Dichloroethane	3.69	63	368122	47.10	ug/l	99
25) 2-Butanone	4.70	43	762662	236.50	ug/l	99
26) 2,2-Dichloropropane	4.57	77	300349	49.00	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	227514	46.36	ug/l	100
28) Bromochloromethane	5.01	49	167438	48.39	ug/l	100
29) Tetrahydrofuran	5.15	42	479805	232.19	ug/l	100
30) Chloroform	5.21	83	363156	46.35	ug/l	97
31) Cyclohexane	5.57	56	308551	45.76	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	307045	46.99	ug/l	99
36) 1,1-Dichloropropene	5.79	75	273221	46.56	ug/l	99
37) Ethyl Acetate	4.85	43	266441	46.17	ug/l	99
38) Carbon Tetrachloride	5.78	117	263830	47.79	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	332587	49.64	ug/l	98
40) Benzene	6.14	78	834770	47.61	ug/l	100
41) Methacrylonitrile	5.06	41	165203	49.38	ug/l	99
42) 1,2-Dichloroethane	6.20	62	275218	46.01	ug/l	99
43) Isopropyl Acetate	6.46	43	444149	50.08	ug/l	99
44) Trichloroethene	7.21	130	231502	47.69	ug/l	100
45) 1,2-Dichloropropane	7.51	63	219052	49.91	ug/l	100
46) Dibromomethane	7.66	93	135770	46.46	ug/l	97
47) Bromodichloromethane	7.90	83	272329	50.08	ug/l	99
48) Methyl methacrylate	7.77	41	235803	49.69	ug/l	98
49) 1,4-Dioxane	7.75	88	101771	944.60	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1495631	232.11	ug/l	99
52) Toluene	8.79	92	535830	48.82	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	315521	52.54	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	342752	52.40	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	217609	49.11	ug/l	99
56) Ethyl methacrylate	9.18	69	325115	53.90	ug/l	97
57) 1,3-Dichloropropane	9.37	76	369214	49.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	674781	218.33	ug/l	100
59) 2-Hexanone	9.49	43	1147484	233.42	ug/l	99
60) Dibromochloromethane	9.59	129	222612	51.57	ug/l	99
61) 1,2-Dibromoethane	9.67	107	224018	48.85	ug/l	98
64) Tetrachloroethene	9.34	164	240227	50.02	ug/l	98
65) Chlorobenzene	10.14	112	582484	47.73	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.22	131	210312	49.97	ug/l	98
67) Ethyl Benzene	10.25	91	980666	49.49	ug/l	93
68) m/p-Xylenes	10.36	106	805660	103.97	ug/l	100
69) o-Xylene	10.70	106	370795	50.59	ug/l	97
70) Styrene	10.71	104	624558	52.62	ug/l	98
71) Bromoform	10.86	173	170242	50.18	ug/l #	99
73) Isopropylbenzene	11.02	105	1054442	52.53	ug/l	100
74) N-amyl acetate	10.90	43	386080	49.96	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	324848	46.25	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	308087m	49.57	ug/l	
77) Bromobenzene	11.26	156	276935	49.19	ug/l	98
78) n-propylbenzene	11.36	91	1217281	52.73	ug/l	100
79) 2-Chlorotoluene	11.42	91	712051	50.11	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	880696	52.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	101724	53.10	ug/l	95
82) 4-Chlorotoluene	11.51	91	834906	49.93	ug/l	99
83) tert-Butylbenzene	11.77	119	887769	53.08	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	908898	53.27	ug/l	99
85) sec-Butylbenzene	11.94	105	1100996	55.45	ug/l	100
86) p-Isopropyltoluene	12.07	119	989257	55.59	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	522546	49.29	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	525469	47.01	ug/l	99
89) n-Butylbenzene	12.39	91	865039	59.78	ug/l	98
90) Hexachloroethane	12.60	117	140045	56.31	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	521885	53.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61723	49.89	ug/l	95

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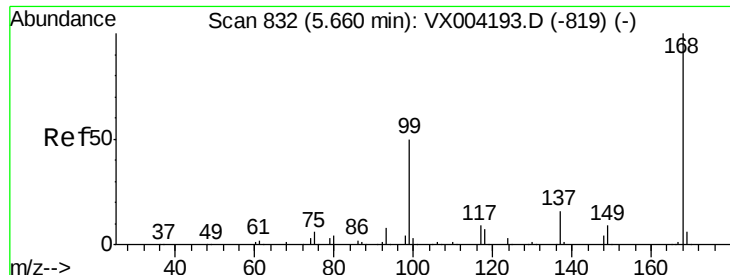
Manual Integrations
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MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	380025	53.91	ug/l	99
94) Hexachlorobutadiene	13.79	225	193465	59.02	ug/l	97
95) Naphthalene	13.83	128	1125017	56.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	397180	53.22	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 369008

Ion Ratio Lower Upper

168 100

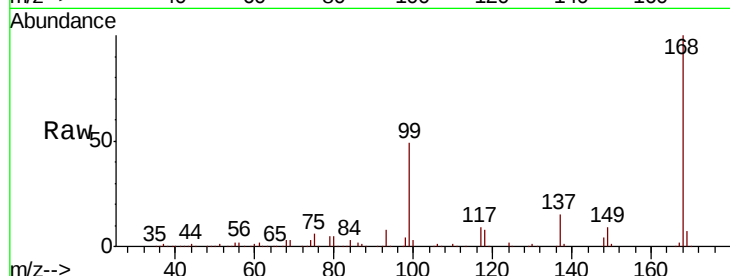
99 48.7 39.9 59.9

Manual Integrations

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9/10/2018 11:15:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

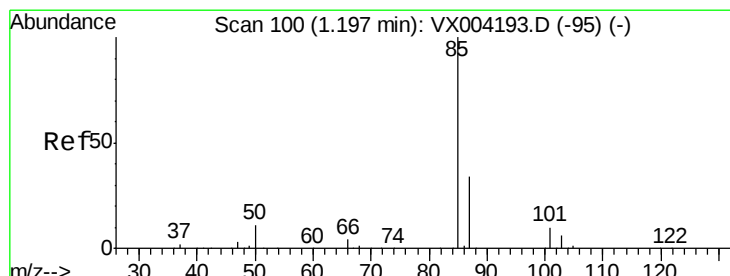
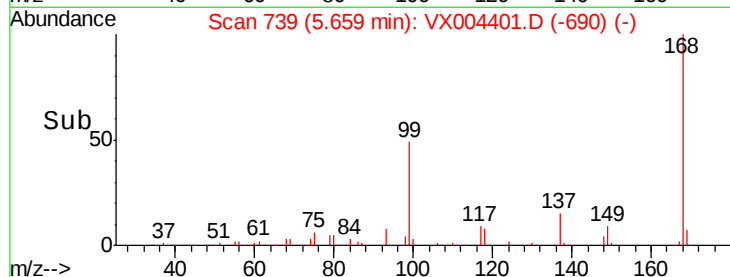
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 37.39 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.01 min

Lab File: VX004401.D

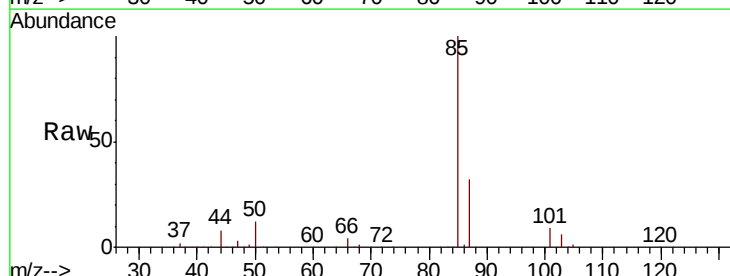
Acq: 07 Sep 2018 11:37

Tgt Ion: 85 Resp: 159817

Ion Ratio Lower Upper

85 100

87 32.2 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

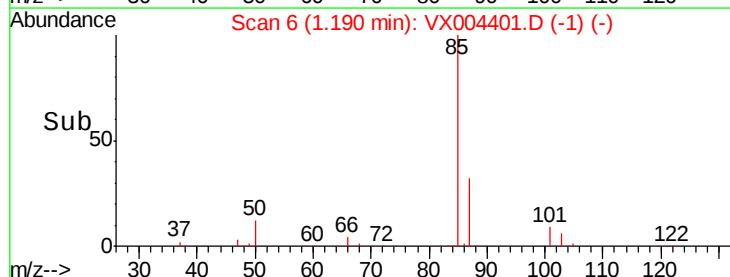
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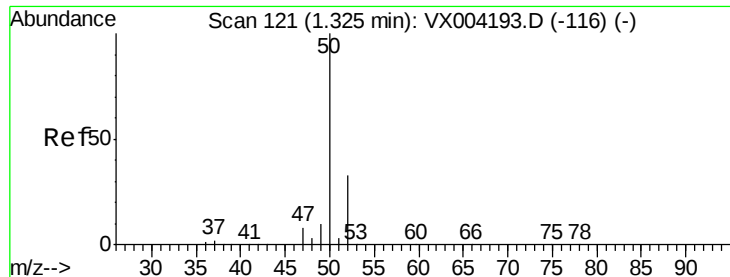
100000

50000

0

Time-->





#3

Chloromethane

Concen: 38.92 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 183548

Ion Ratio Lower Upper

50 100

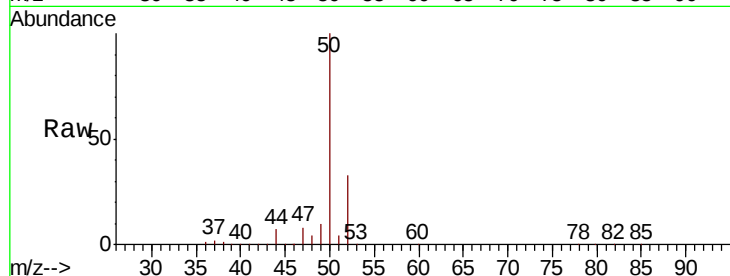
52 32.9 26.2 39.2

Manual Integrations

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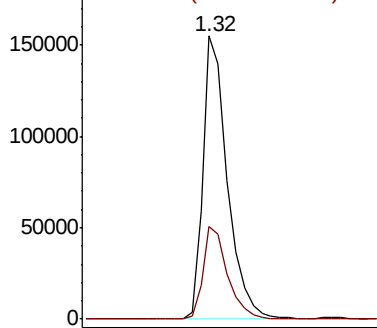
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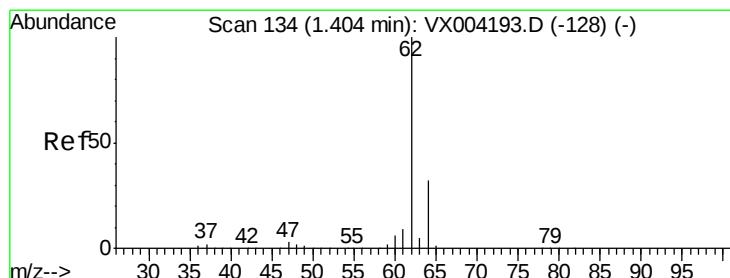
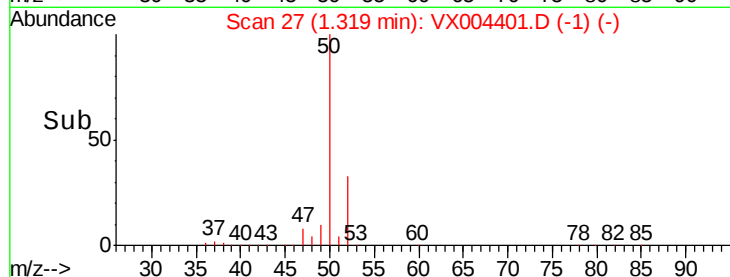


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 42.82 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004401.D

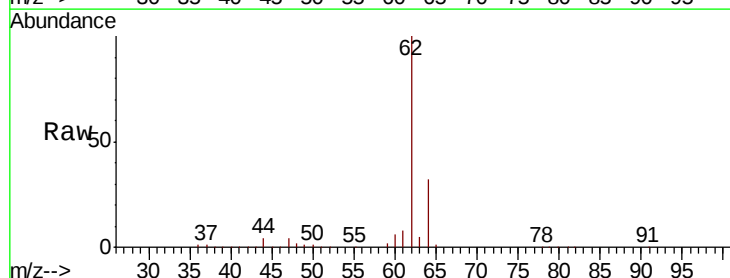
Acq: 07 Sep 2018 11:37

Tgt Ion: 62 Resp: 207018

Ion Ratio Lower Upper

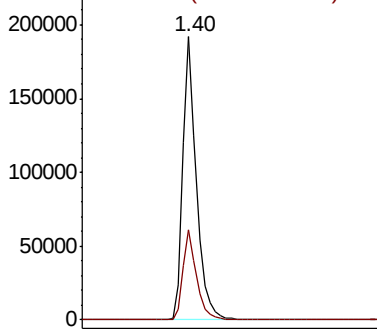
62 100

64 31.6 25.8 38.8

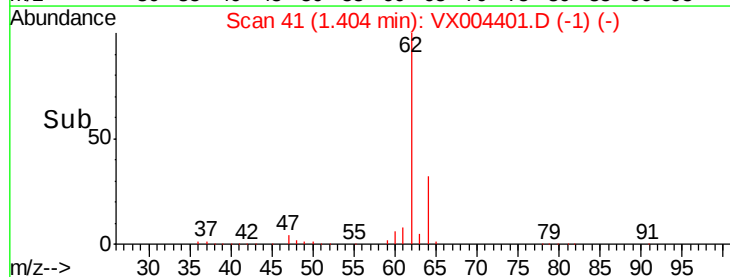


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 41.97 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 100797

Ion Ratio Lower Upper

94 100

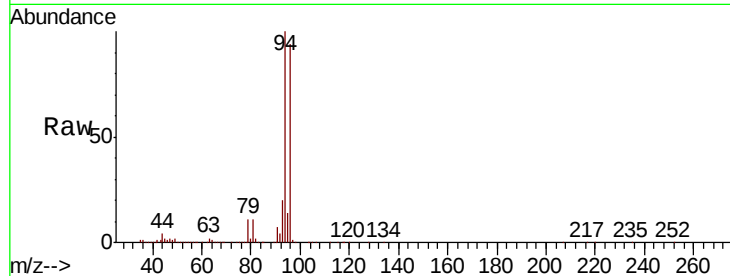
96 94.1 74.5 111.7

Manual Integrations

APPROVED

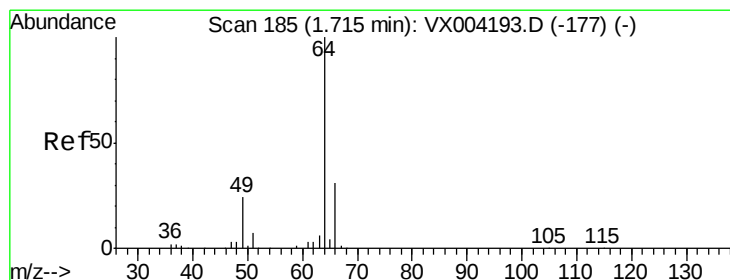
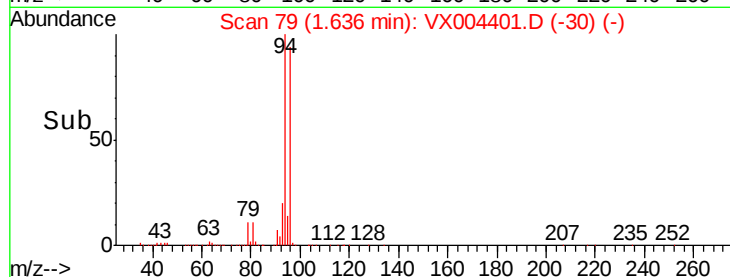
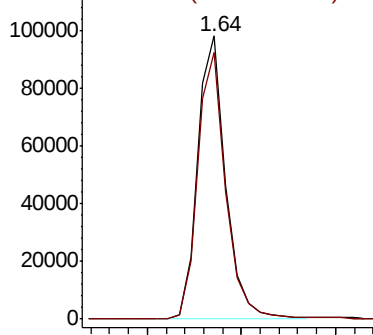
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9/10/2018 11:15:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 42.69 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004401.D

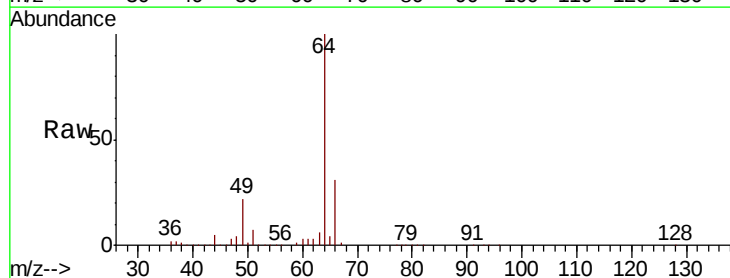
Acq: 07 Sep 2018 11:37

Tgt Ion: 64 Resp: 147867

Ion Ratio Lower Upper

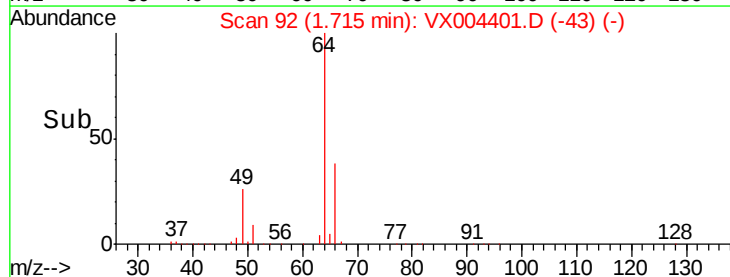
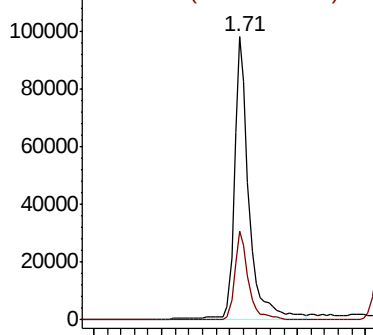
64 100

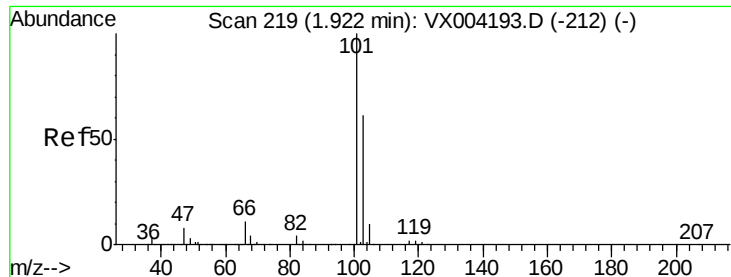
66 31.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

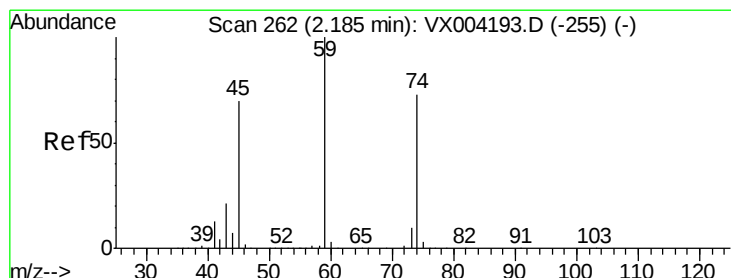
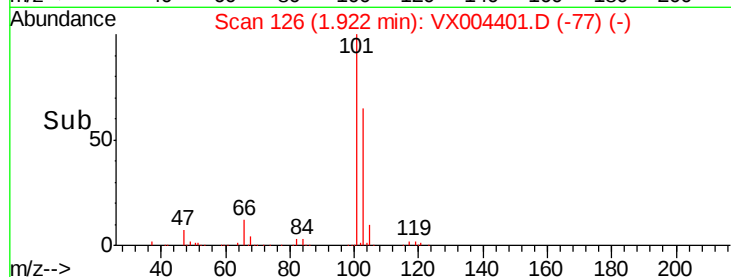
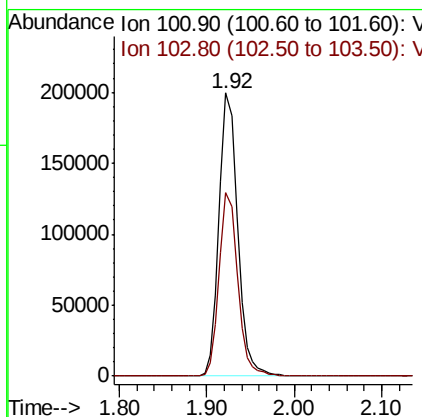
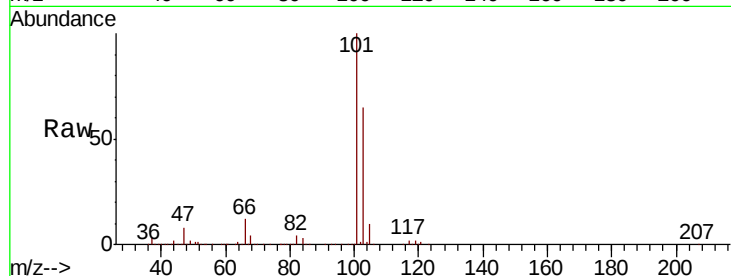
Trichlorofluoromethane
 Concen: 44.55 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	48.9	73.3

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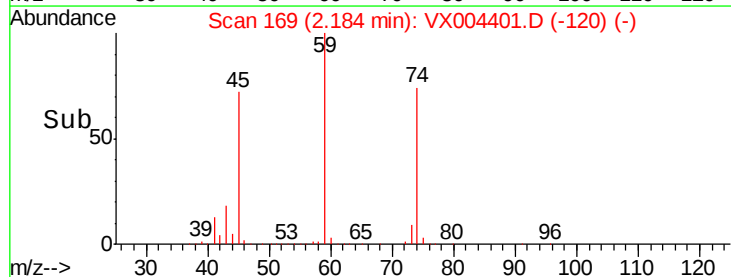
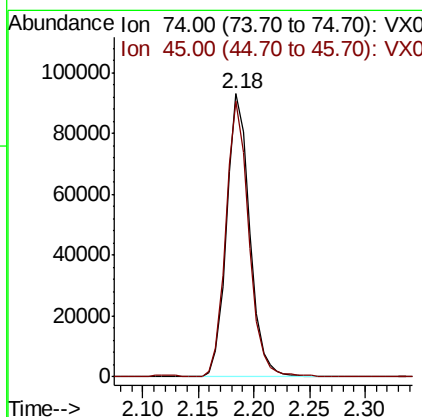
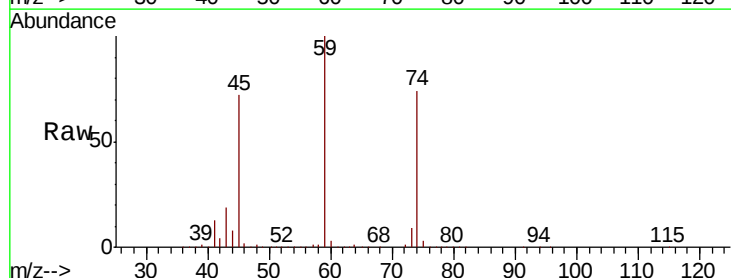
MMDadoda
 9/10/2018 11:15:25 AM

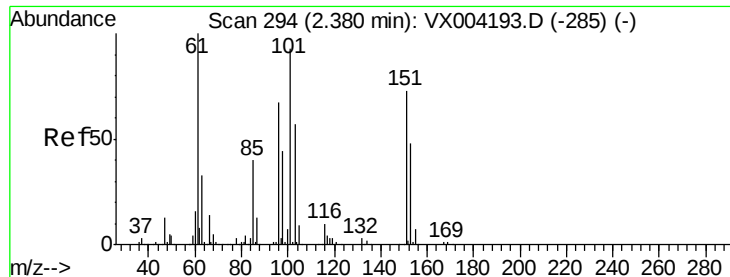


#8

Diethyl Ether
 Concen: 47.22 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.25 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

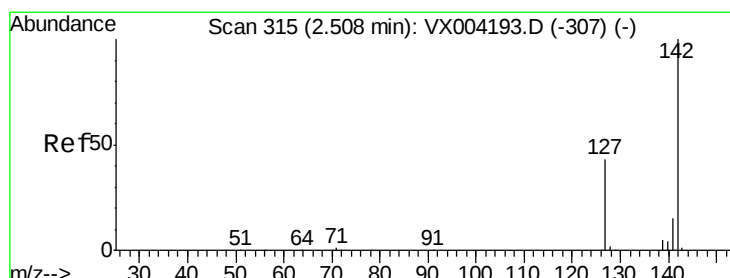
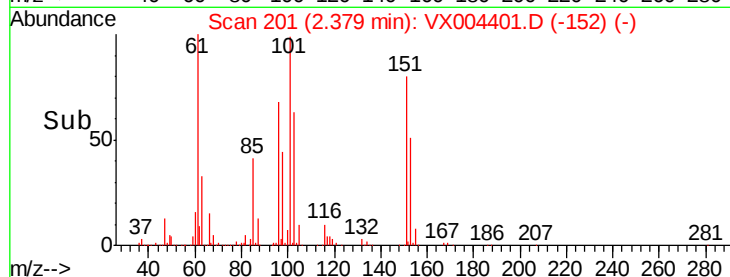
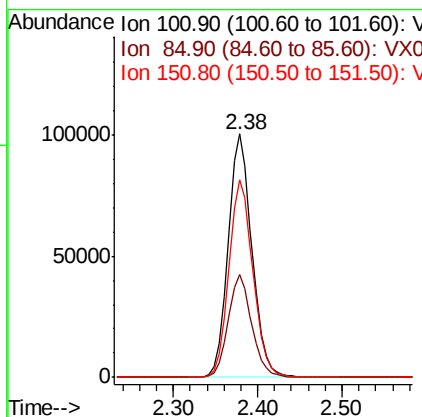
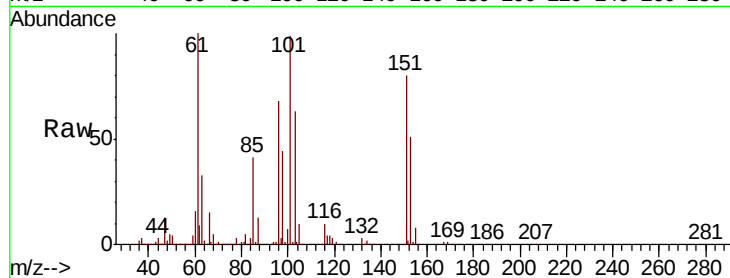
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	191937
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	82.2	65.0	97.6

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#10

Methyl Iodide

Concen: 45.97 ug/l

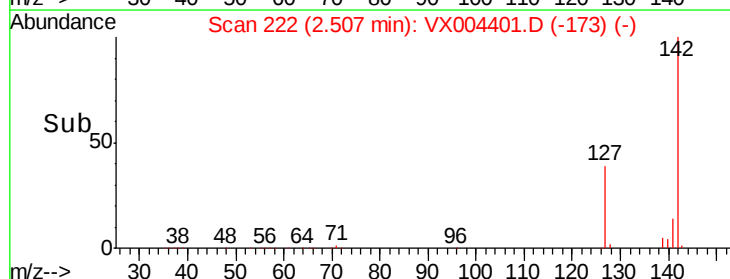
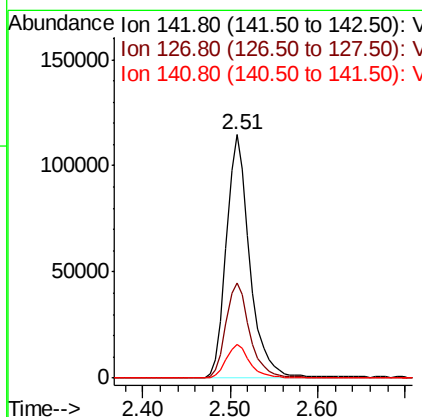
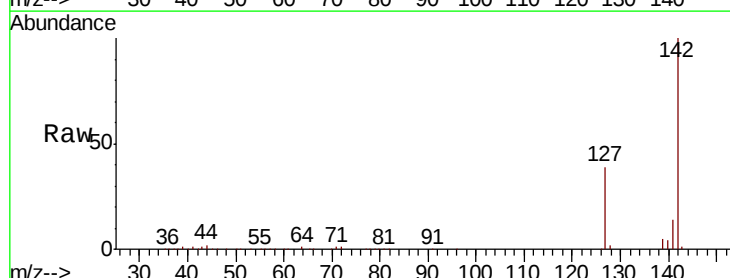
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tgt Ion:	142	Resp:	213524
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.8	50.6
141	14.0	11.4	17.0





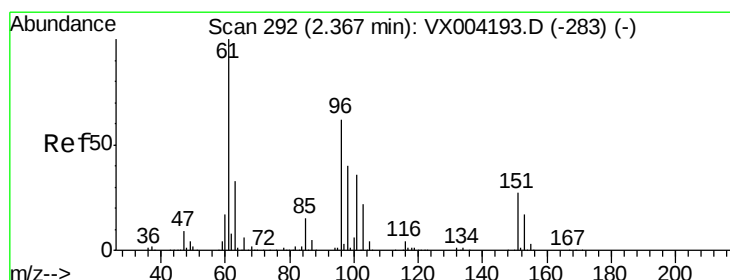
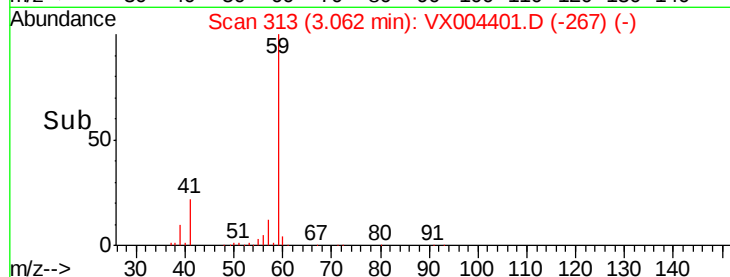
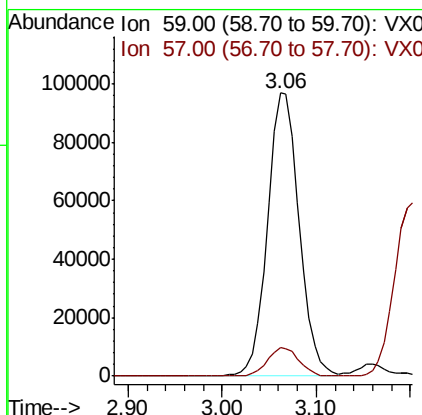
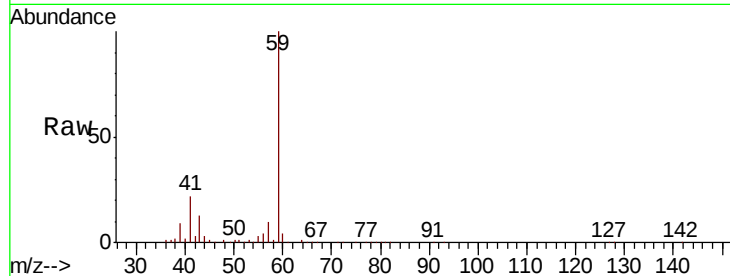
#11
Tert butyl alcohol
Concen: 221.62 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

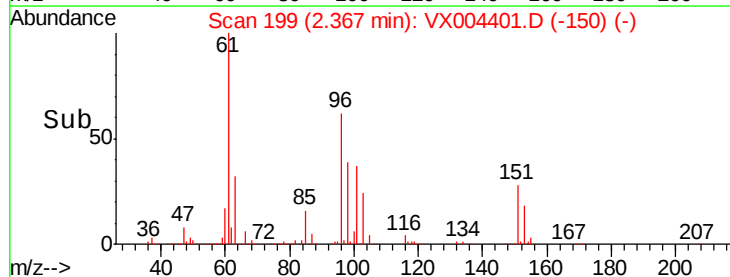
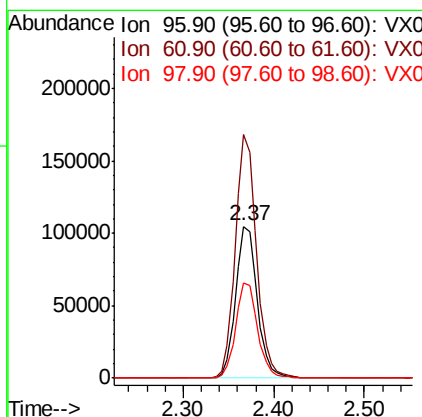
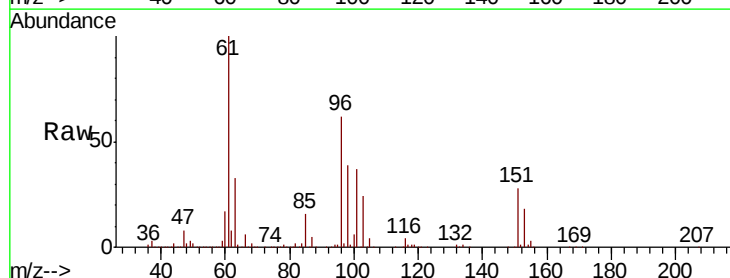
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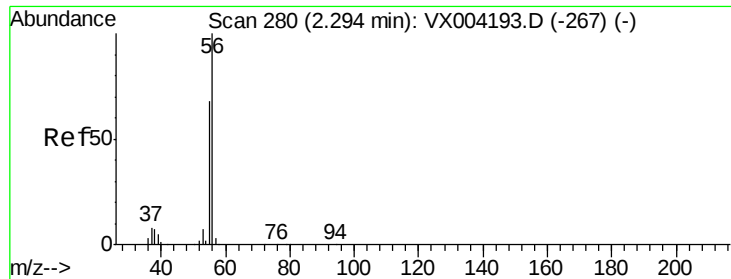
MMDadoda
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#12
1,1-Dichloroethene
Concen: 44.34 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	128.8	193.2
98	62.9	52.2	78.2





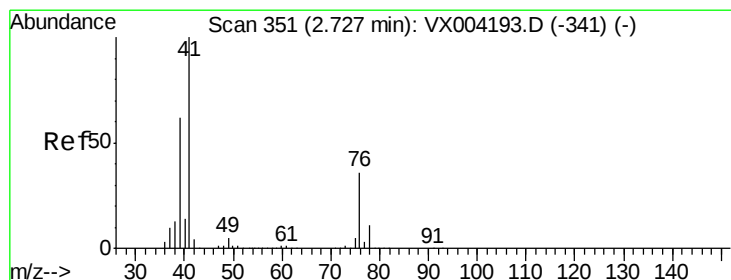
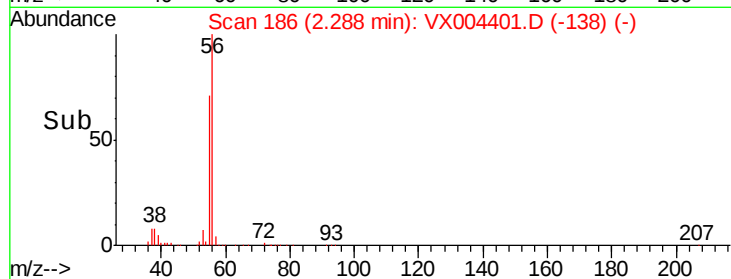
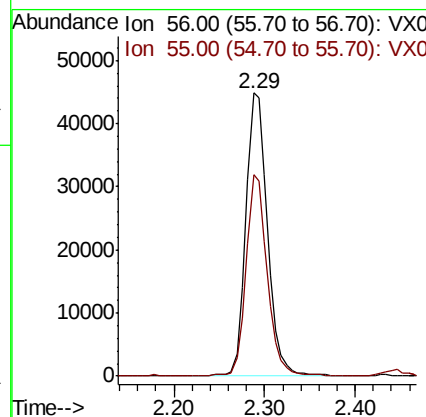
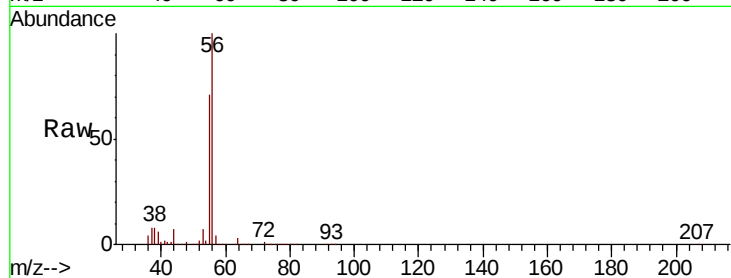
#13
Acrolein
Concen: 299.67 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	74068
Ion Ratio	100	Lower	Upper
55	69.3	54.7	82.1

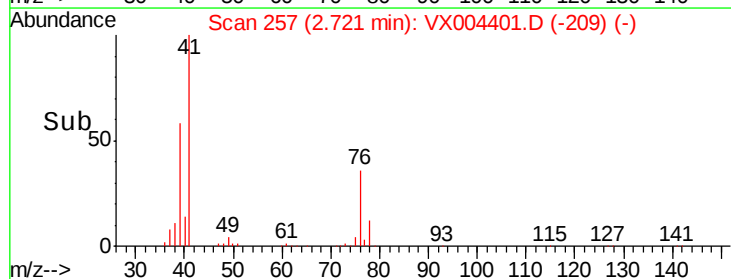
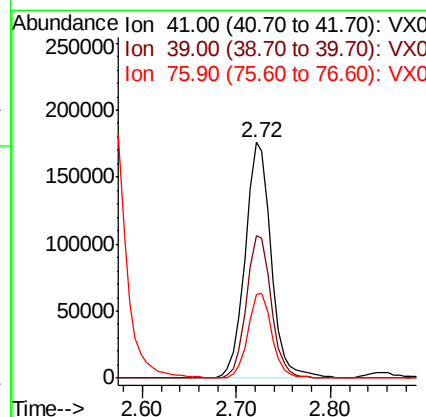
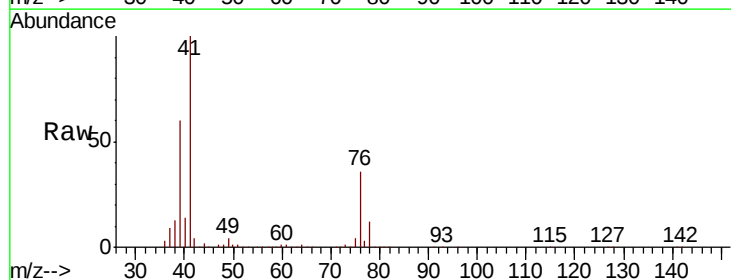
Manual Integrations
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#14
Allyl chloride
Concen: 47.19 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	41	Resp	338924
Ion Ratio	100	Lower	Upper
39	58.3	48.9	73.3
76	33.4	26.7	40.1





#15

Acrylonitrile

Concen: 230.31 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

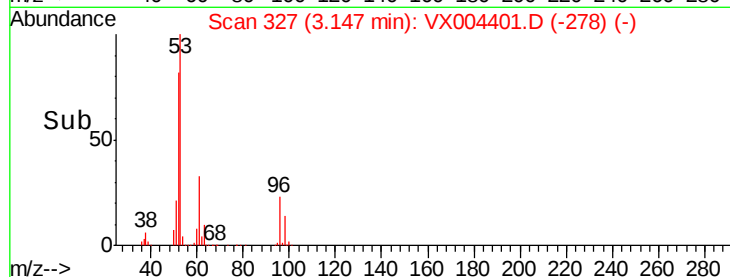
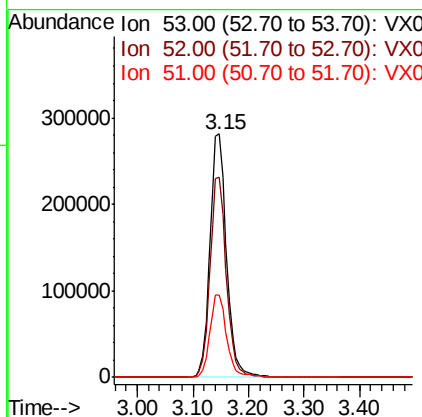
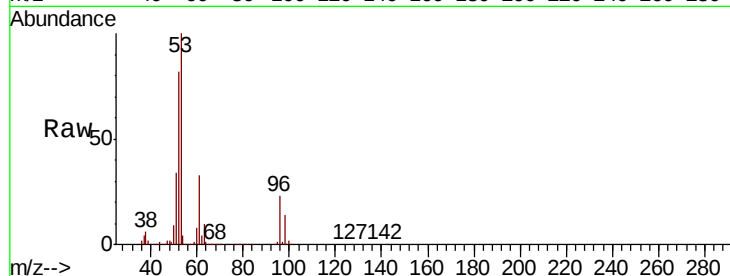
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	584745
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.2	97.8
51	34.3	28.2	42.2

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#16

Acetone

Concen: 244.45 ug/l

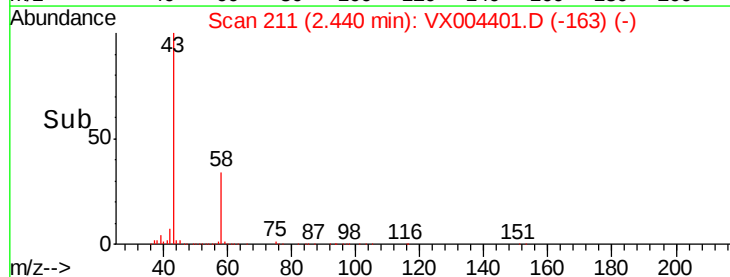
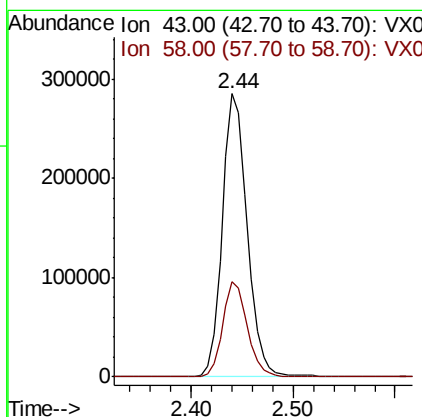
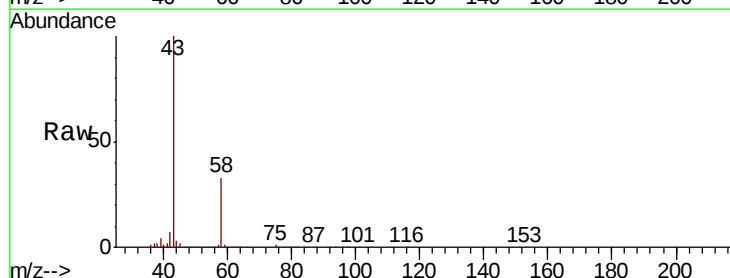
RT: 2.44 min Scan# 211

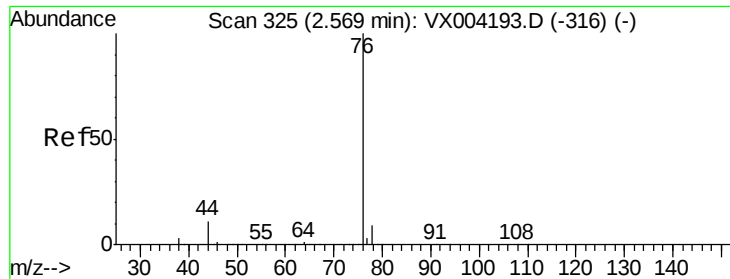
Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tgt Ion:	43	Resp:	480285
Ion Ratio	Lower	Upper	
43	100		
58	33.5	26.2	39.4





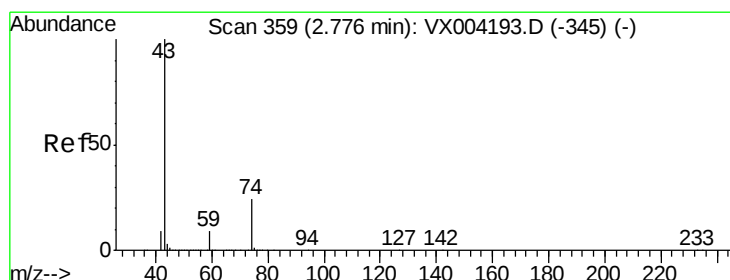
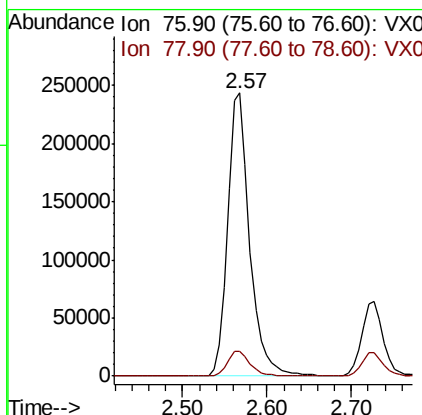
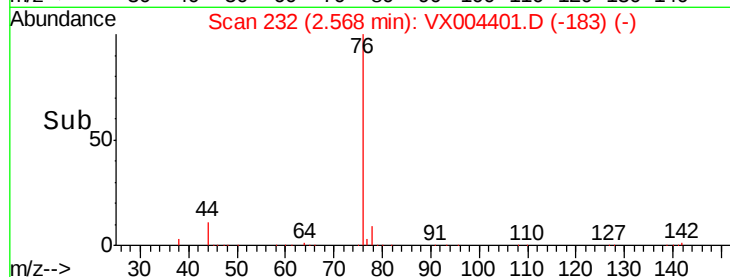
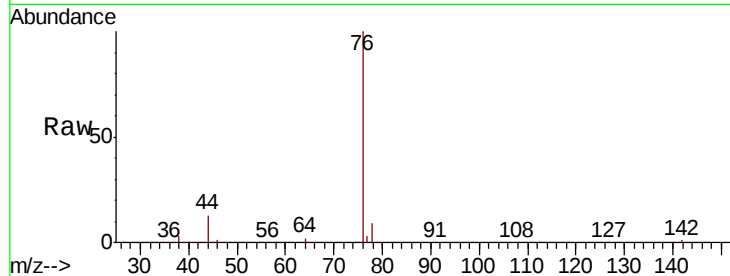
#17
Carbon Disulfide
Concen: 40.12 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

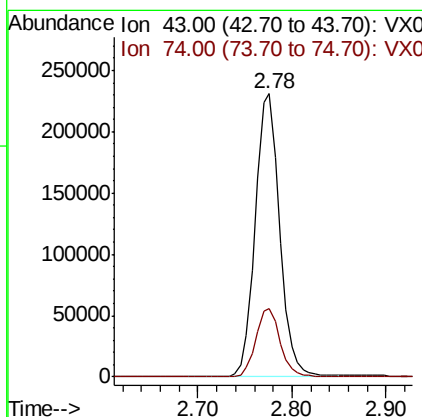
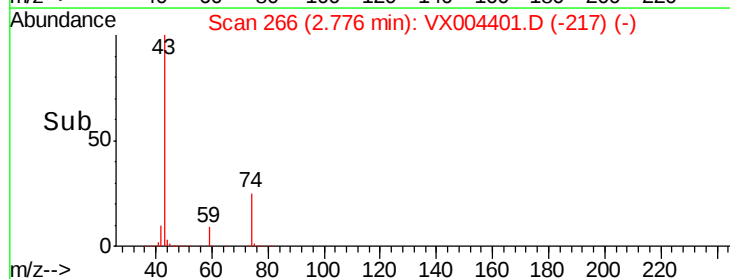
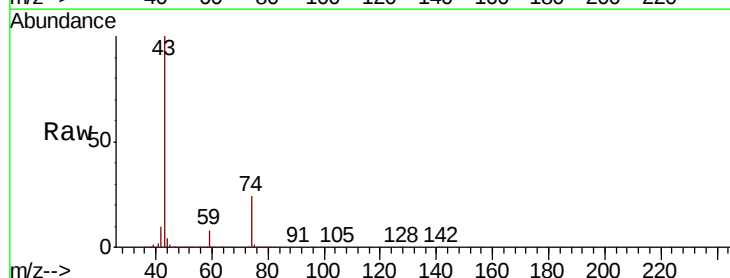
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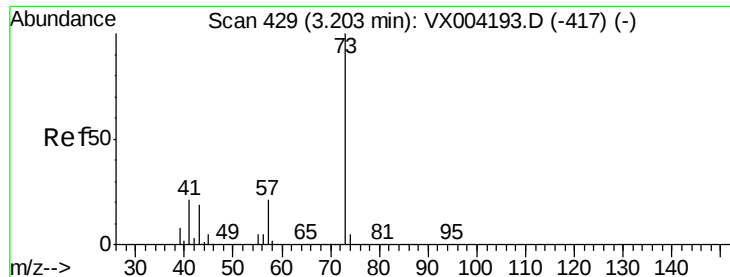
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#18
Methyl Acetate
Concen: 58.73 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





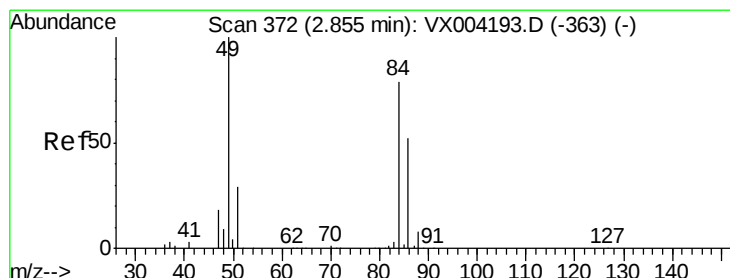
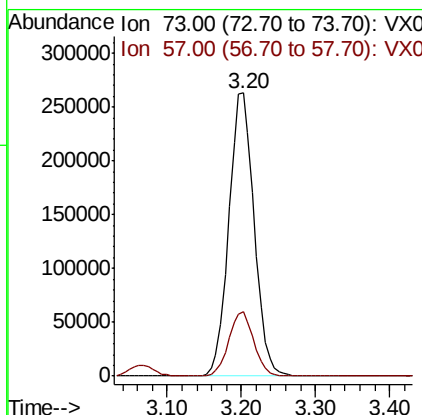
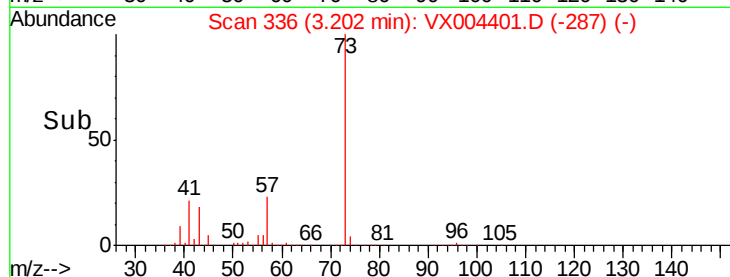
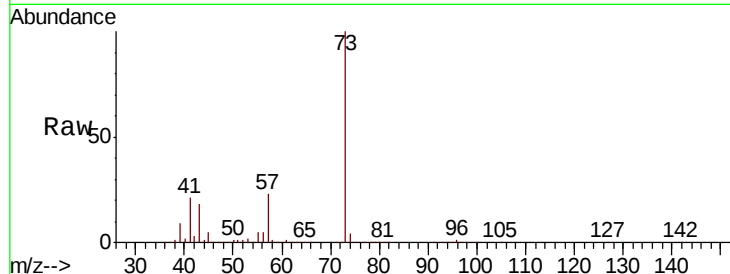
#19
Methyl tert-butyl Ether
Concen: 48.62 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.1	25.7

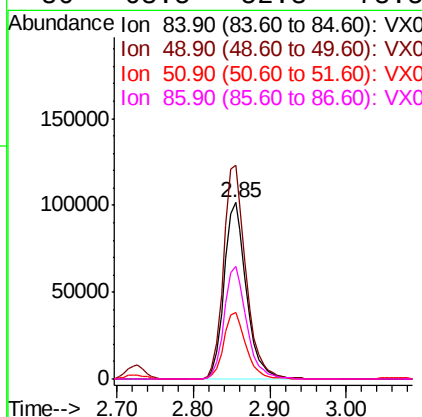
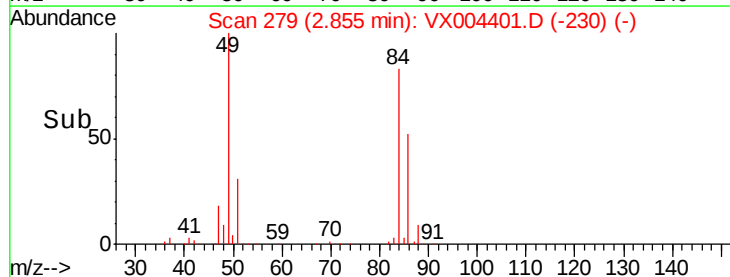
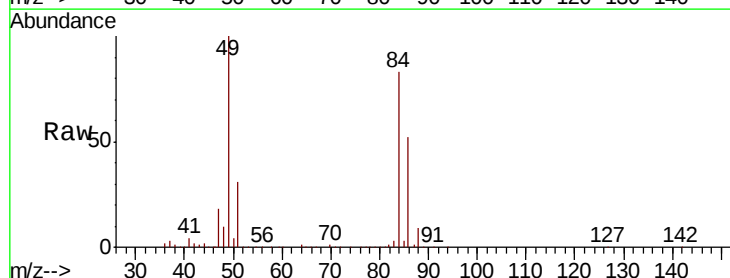
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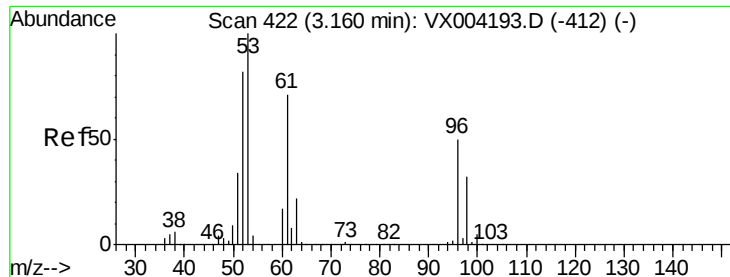
MMDadoda
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#20
Methylene Chloride
Concen: 44.01 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	101.2	151.8
51	37.8	29.5	44.3
86	63.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 43.61 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 188709

Ion Ratio Lower Upper

96 100

61 137.3 113.8 170.6

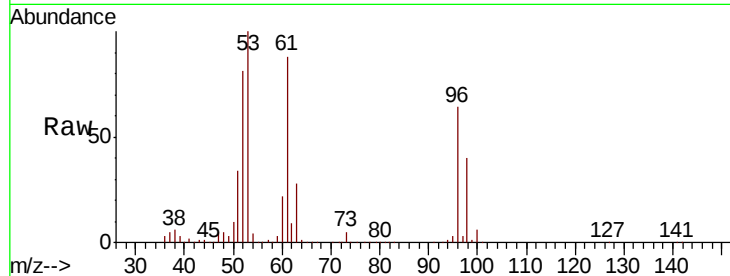
98 63.0 51.8 77.8

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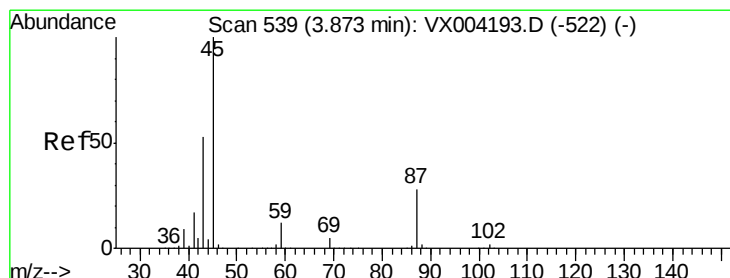
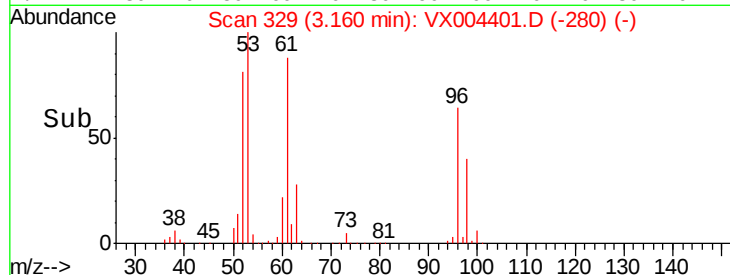
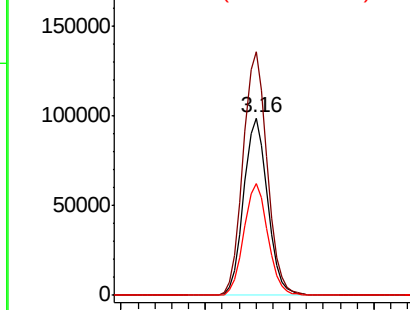
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.45 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tgt Ion: 45 Resp: 636260

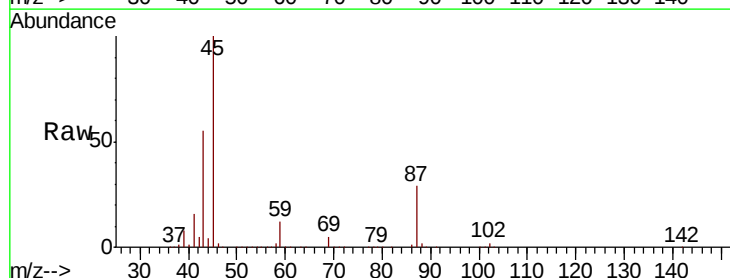
Ion Ratio Lower Upper

45 100

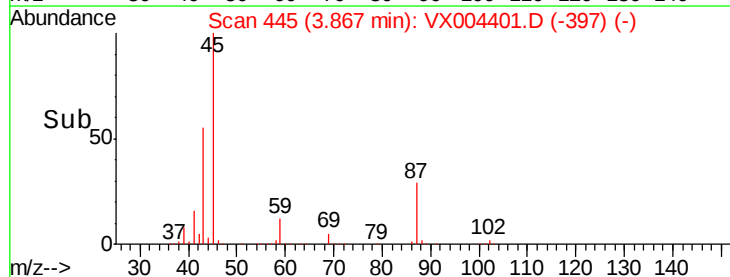
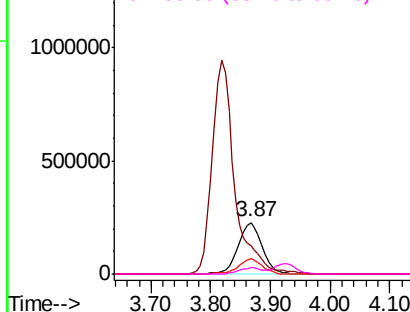
43 54.5 42.8 64.2

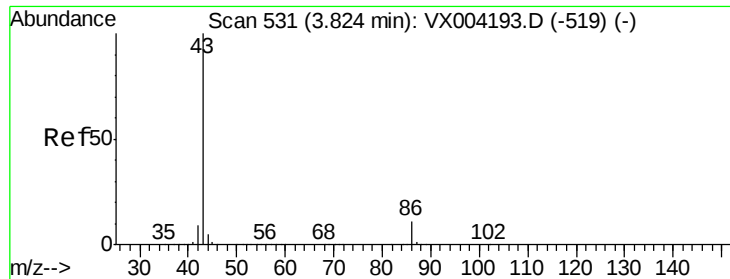
87 28.9 22.6 34.0

59 12.3 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 226.70 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tot Ion: 43 Resp: 2463965

Ion Ratio Lower Upper

43 100

86 11.1 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

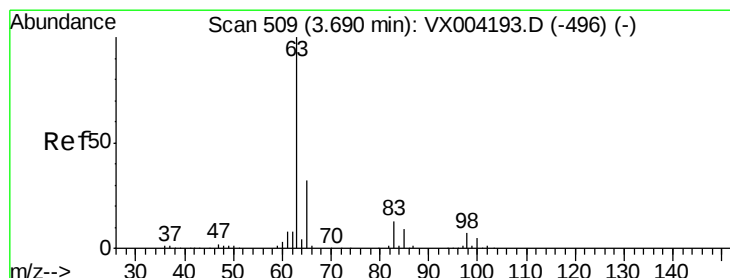
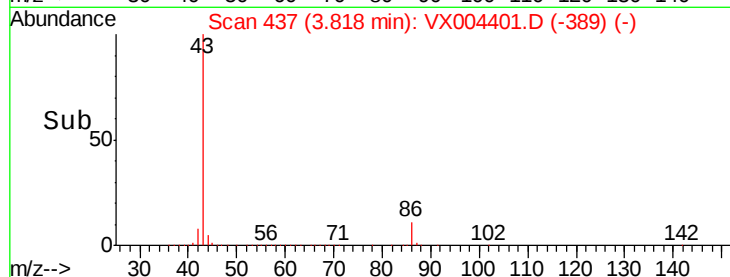
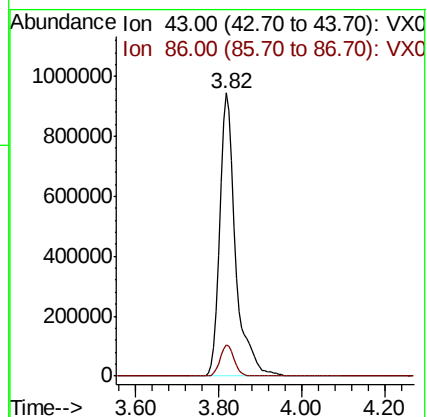
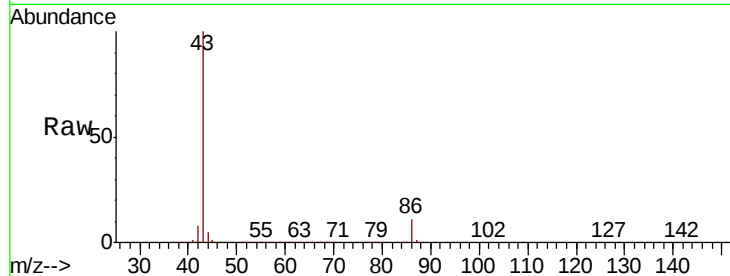
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 47.10 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

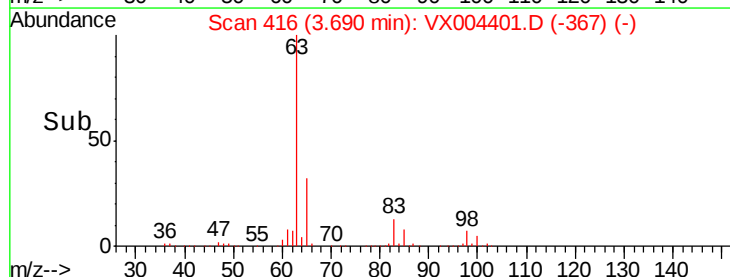
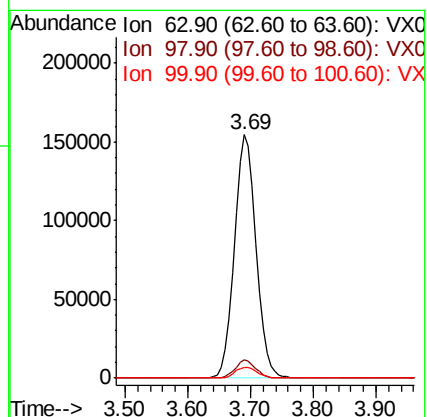
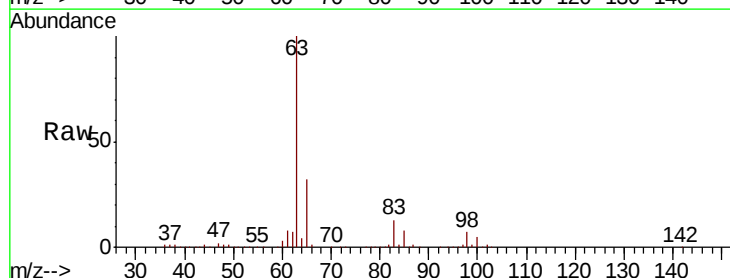
Tgt Ion: 63 Resp: 368122

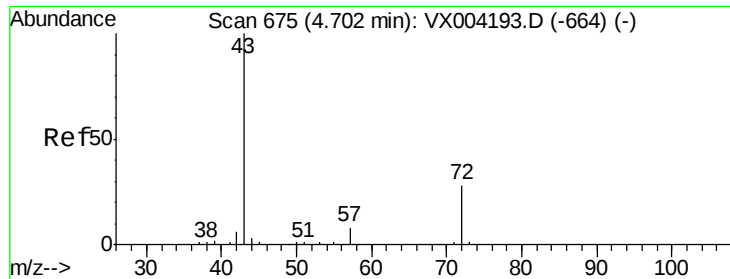
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 236.50 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 762662

Ion Ratio Lower Upper

43 100

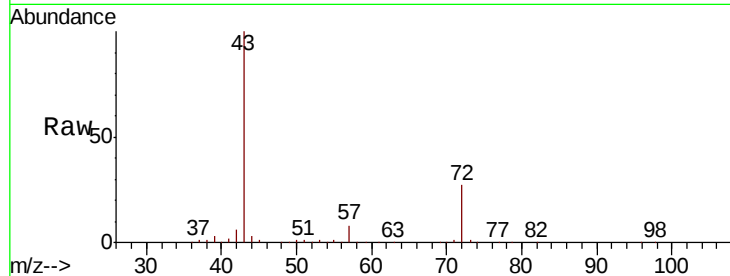
72 27.1 22.0 33.0

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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

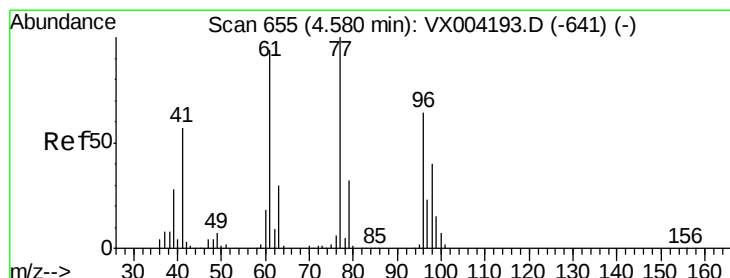
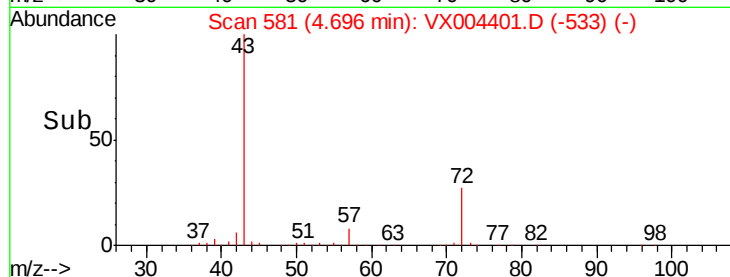
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.00 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004401.D

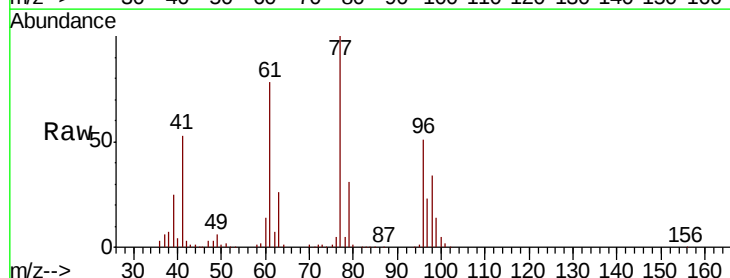
Acq: 07 Sep 2018 11:37

Tgt Ion: 77 Resp: 300349

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

40000

20000

0

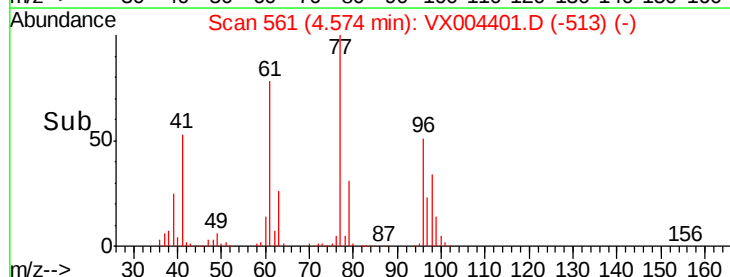
4.40

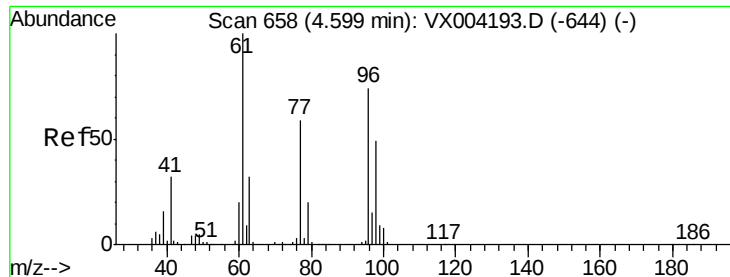
4.50

4.60

4.70

Time-->





#27

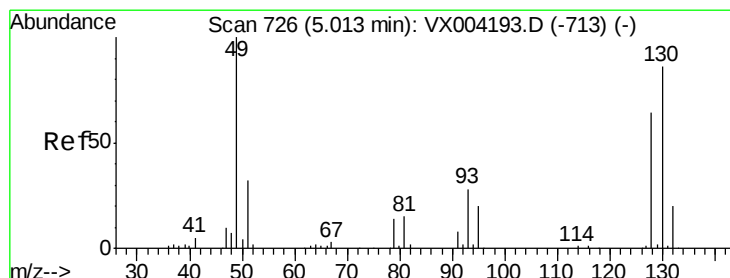
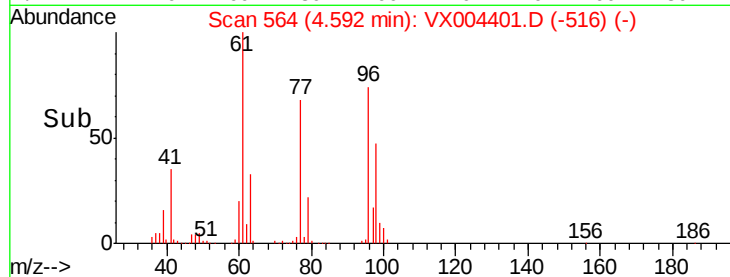
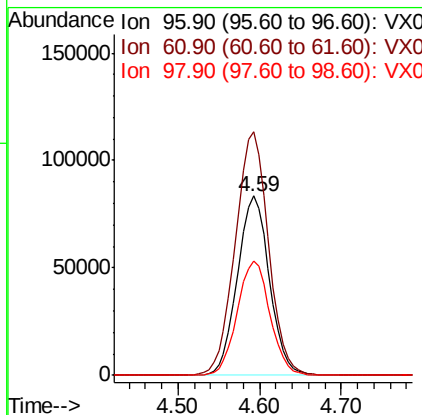
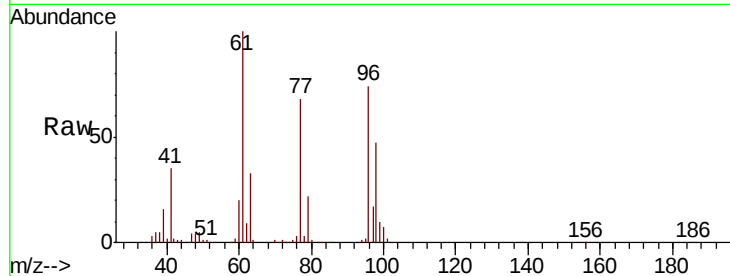
cis-1,2-Dichloroethene
Concen: 46.36 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	227514		
61	141.1	0.0	282.6	
98	65.0	0.0	130.2	

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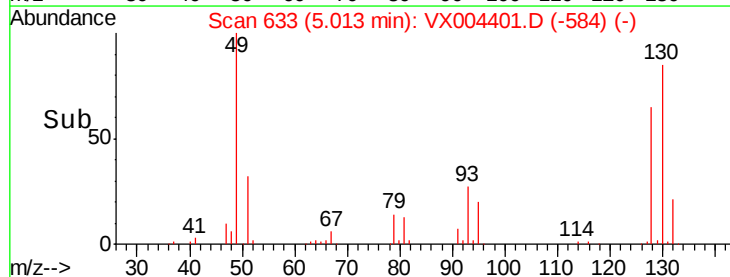
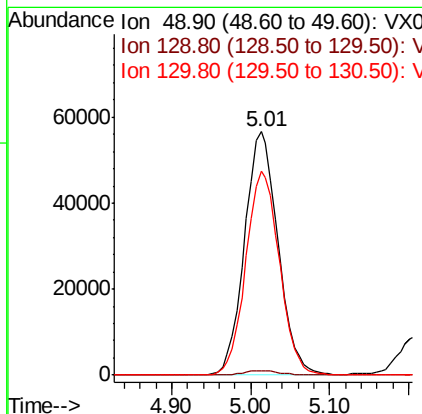
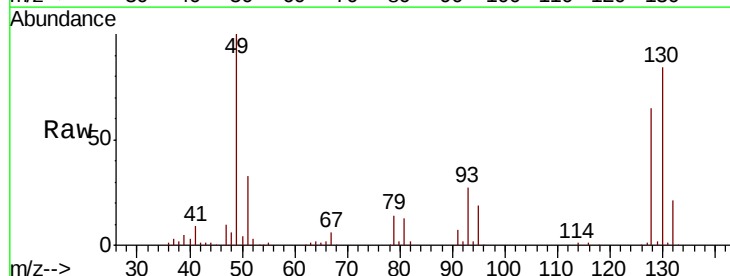
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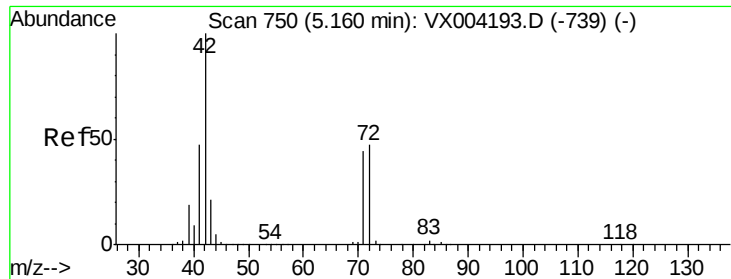


#28

Bromochloromethane
Concen: 48.39 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167438		
129	2.1	0.0	4.2	
130	84.0	67.5	101.3	





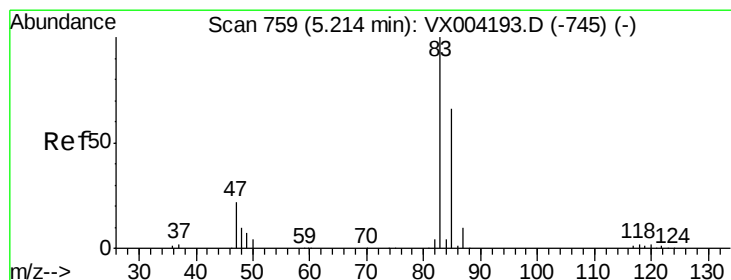
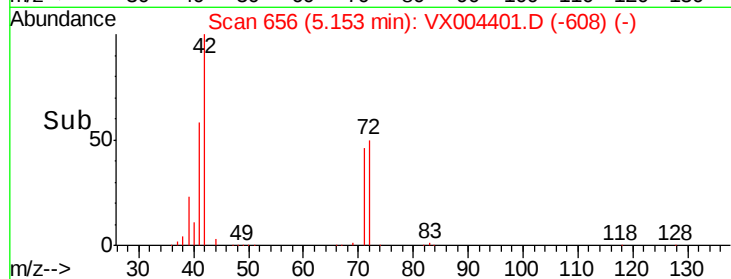
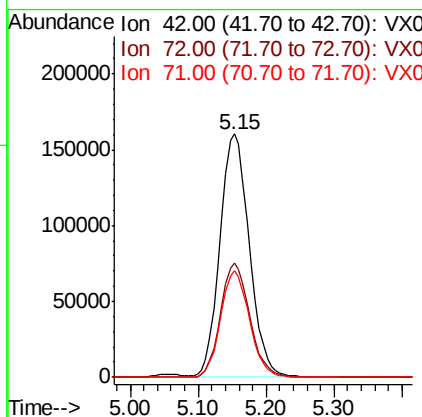
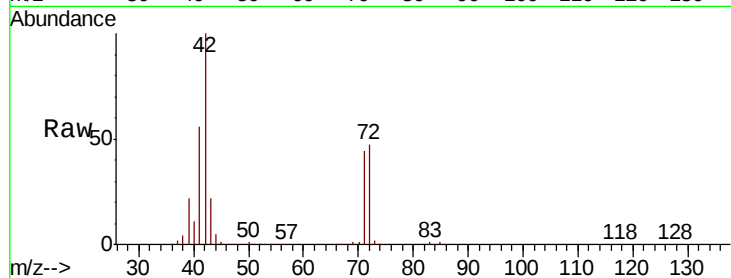
#29
Tetrahydrofuran
Concen: 232.19 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	43.0	34.5	51.7

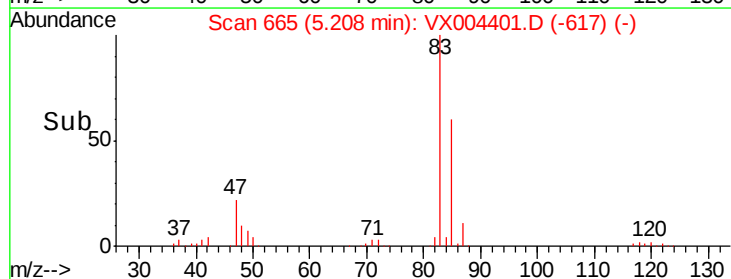
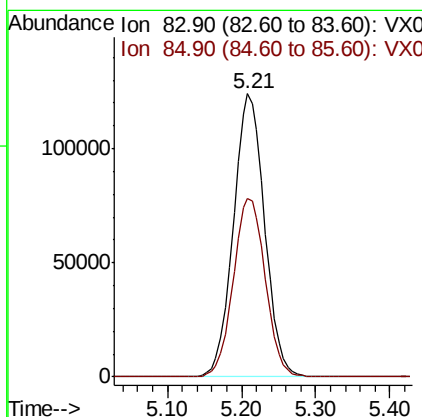
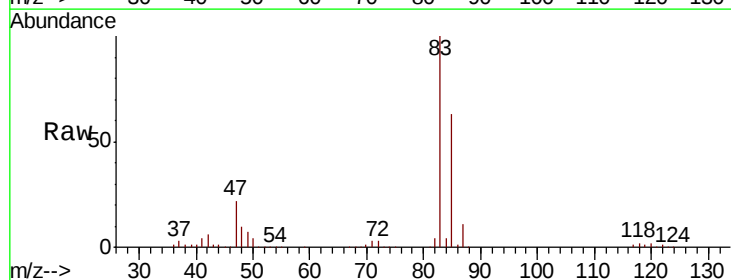
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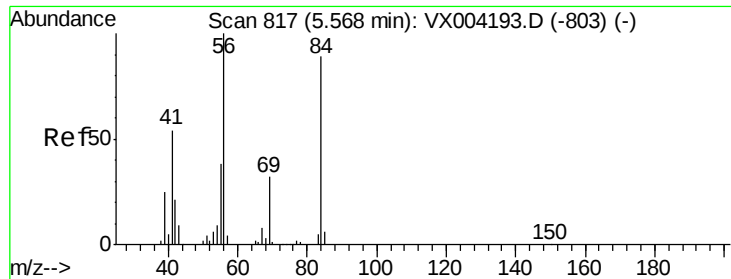
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#30
Chloroform
Concen: 46.35 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	79.0





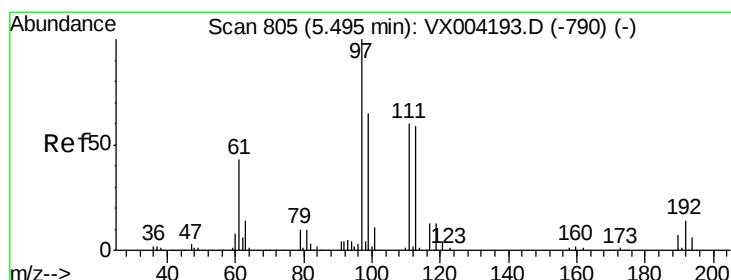
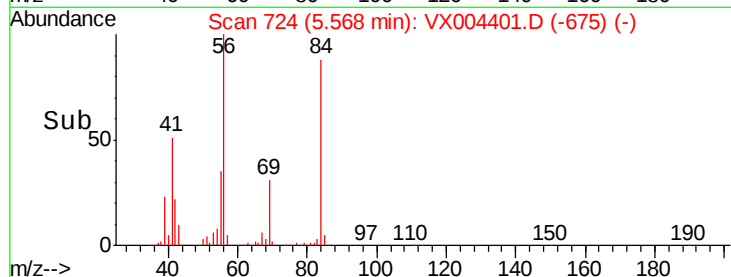
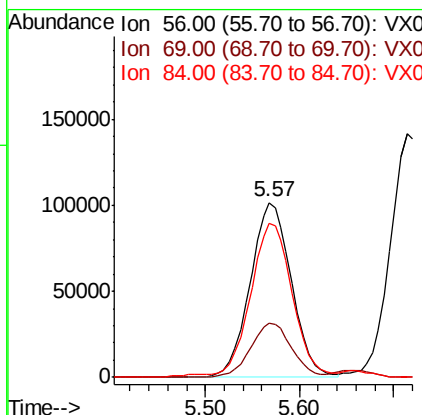
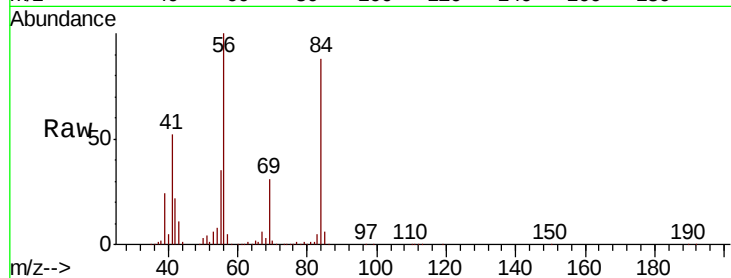
#31
Cyclohexane
Concen: 45.76 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.4	38.2
84	86.8	71.4	107.2

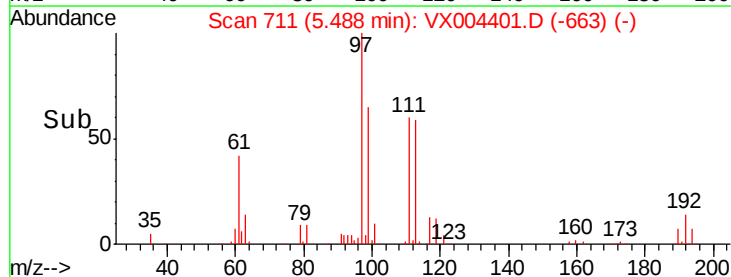
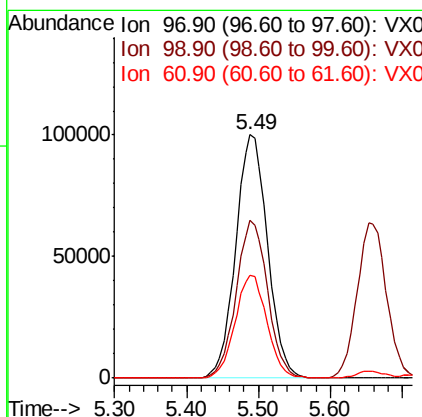
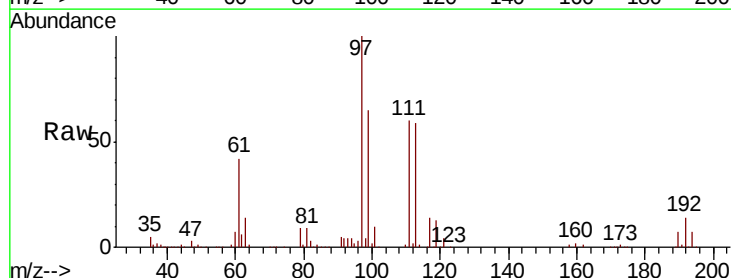
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#32
1,1,1-Trichloroethane
Concen: 46.99 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	42.5	34.9	52.3





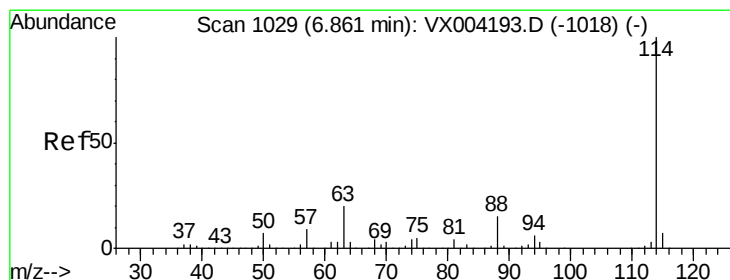
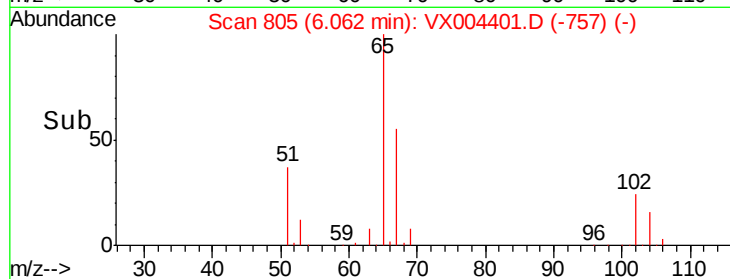
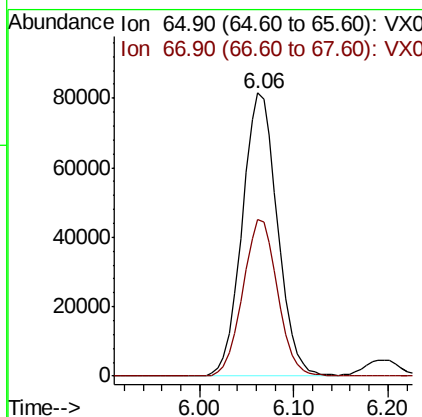
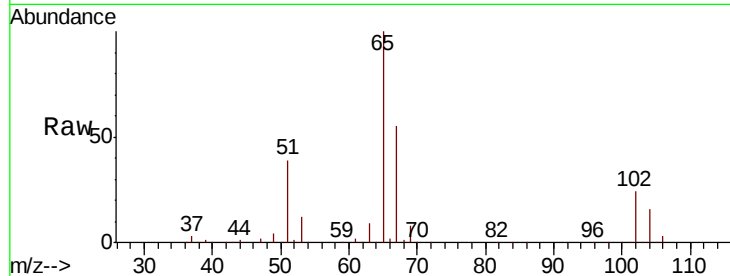
#33
 1,2-Dichloroethane-d4
 Concen: 44.50 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.8

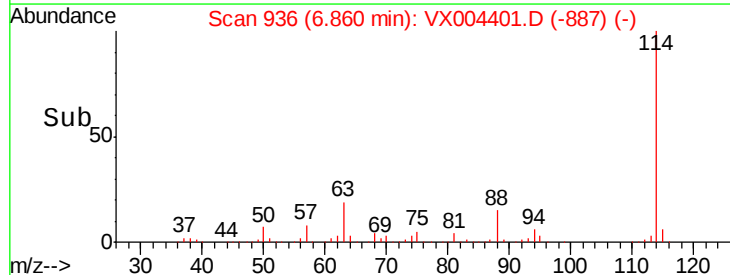
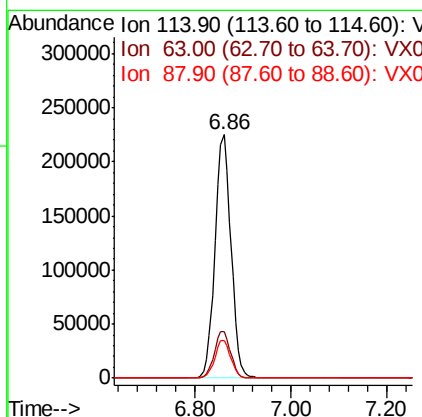
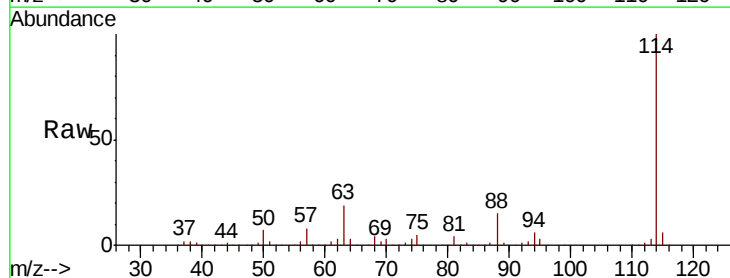
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.0
88	15.3	0.0	30.4





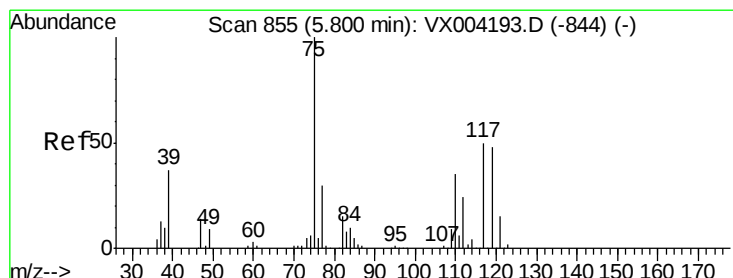
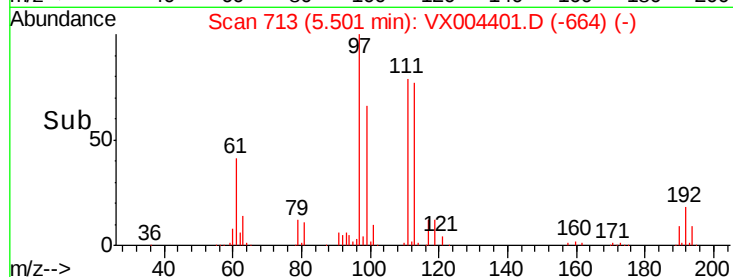
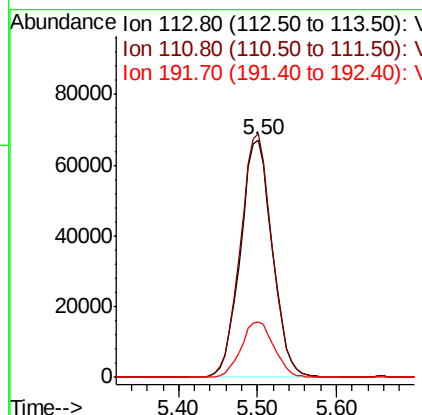
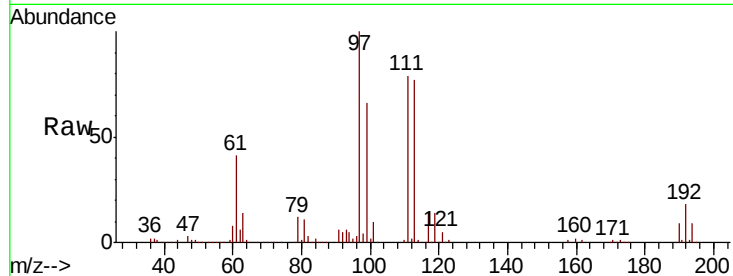
#35
 Dibromofluoromethane
 Concen: 48.72 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189179		
111	102.2	82.4	123.6	
192	24.0	19.4	29.2	

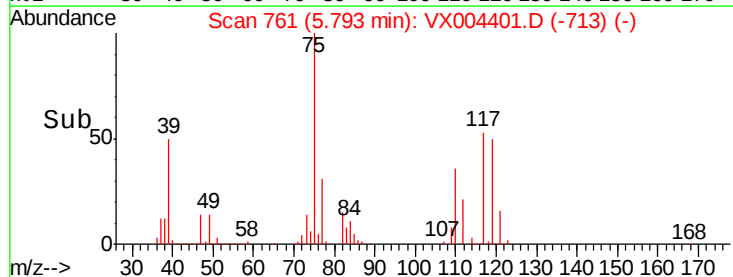
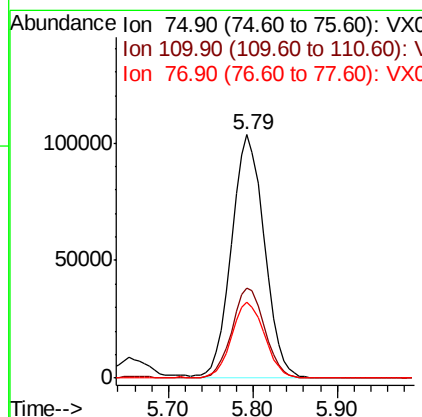
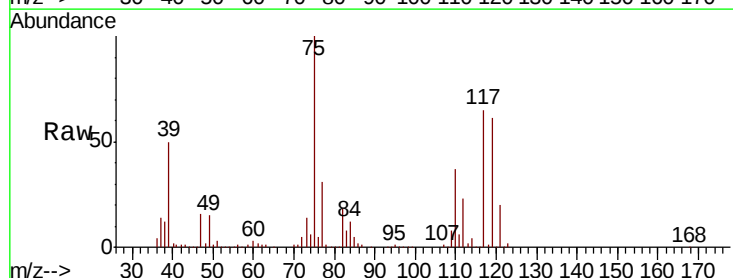
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#36
 1,1-Dichloropropene
 Concen: 46.56 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	273221		
110	37.1	18.0	54.0	
77	31.2	24.6	36.8	





#37

Ethyl Acetate

Concen: 46.17 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

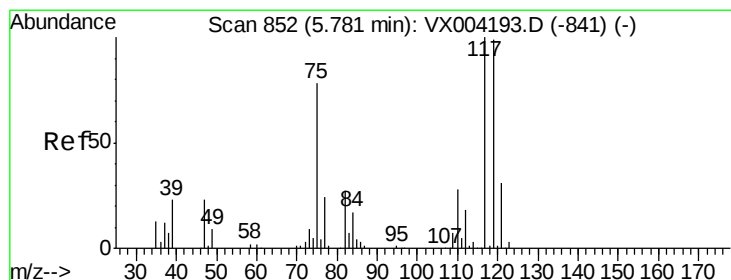
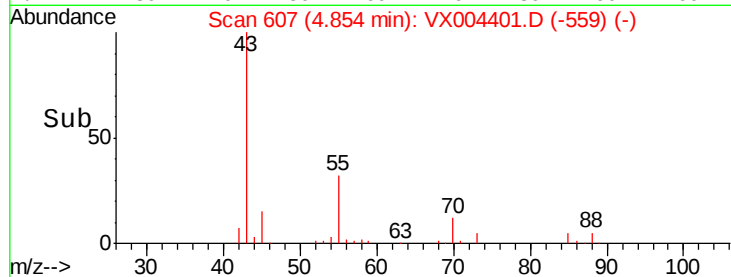
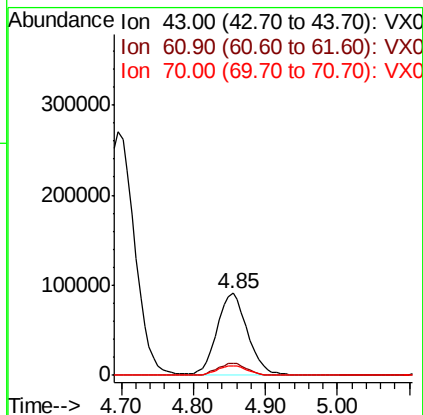
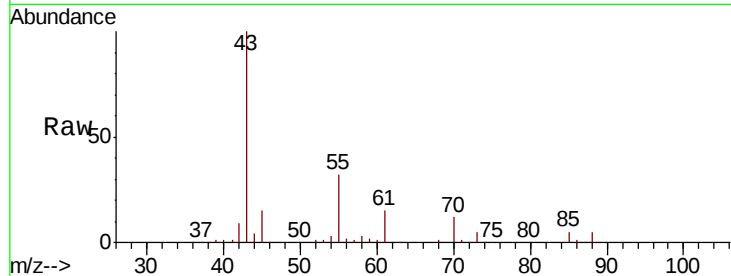
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	266441
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	11.8	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 47.79 ug/l

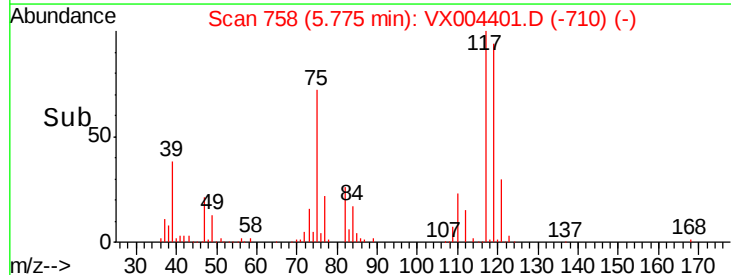
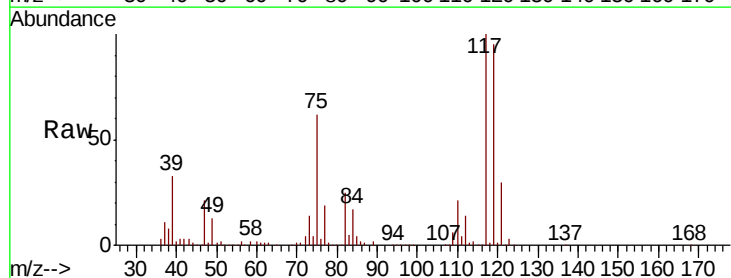
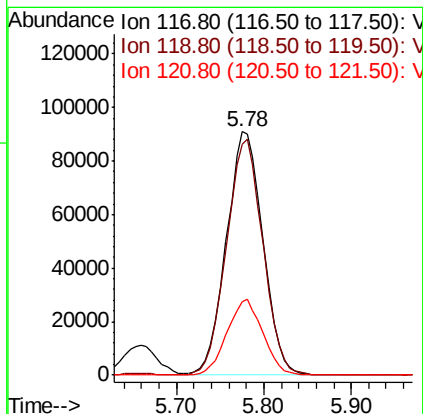
RT: 5.78 min Scan# 758

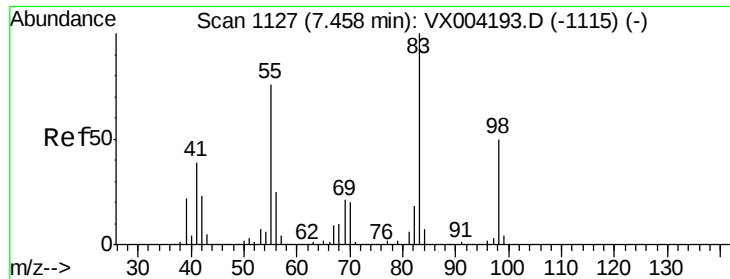
Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tgt Ion:	117	Resp:	263830
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.8	118.2
121	30.4	24.9	37.3





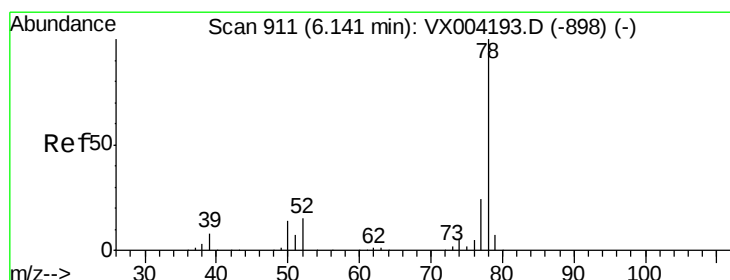
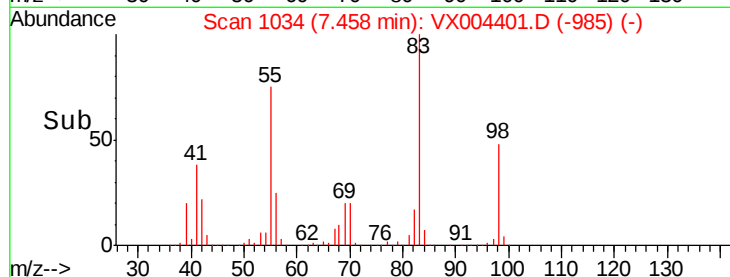
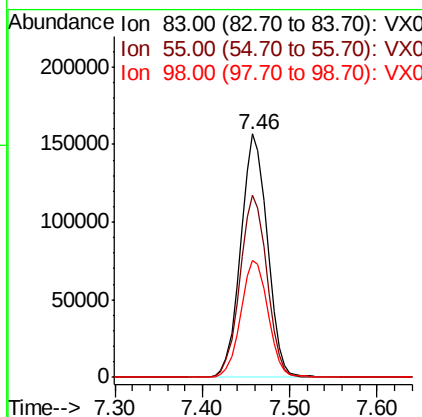
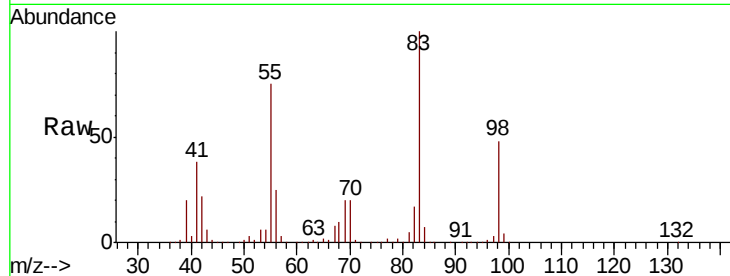
#39
Methvlcvclohexane
Concen: 49.64 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	332587		
55	74.7		61.0	91.4
98	48.1		39.6	59.4

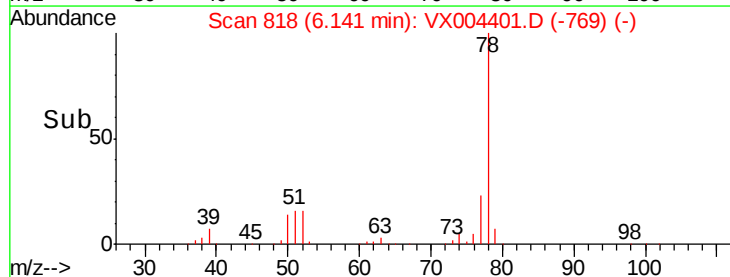
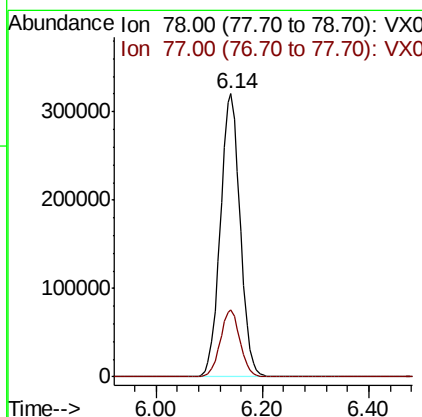
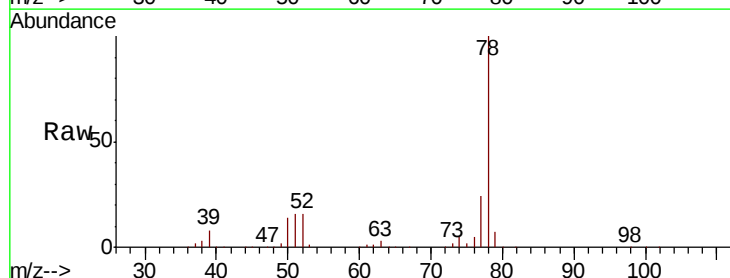
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#40
Benzene
Concen: 47.61 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	834770		
77	23.7		19.0	28.4





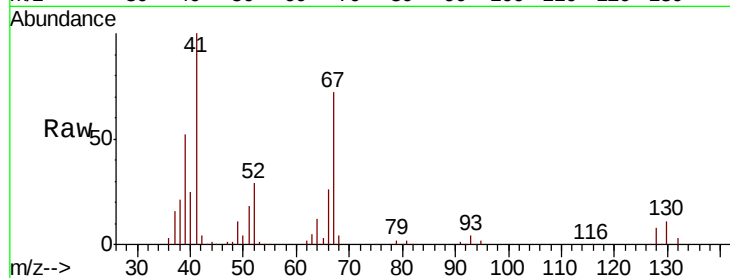
#41
Methacrylonitrile
Concen: 49.38 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

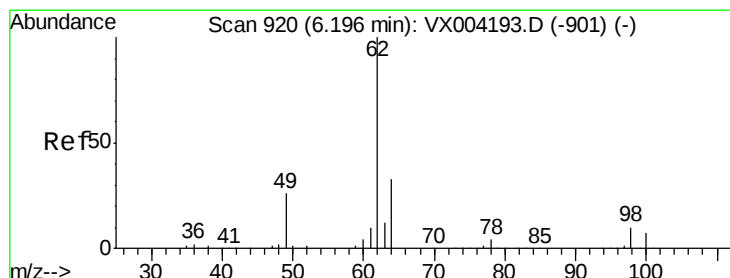
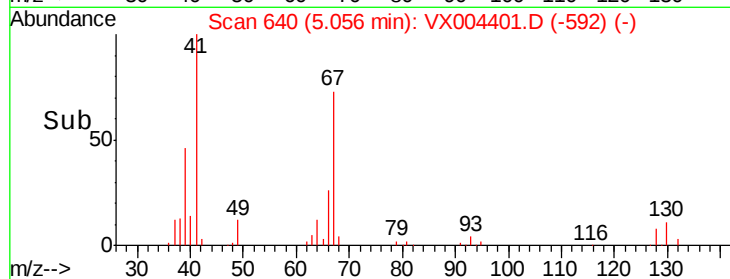
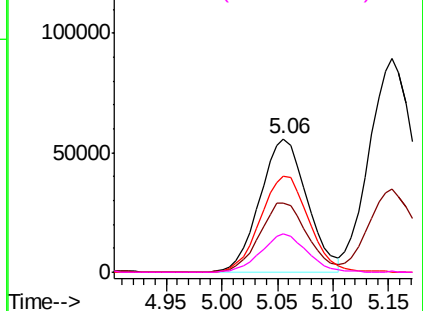
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.4	63.6	
67	74.1	59.2	88.8	
52	27.9	23.0	34.4	

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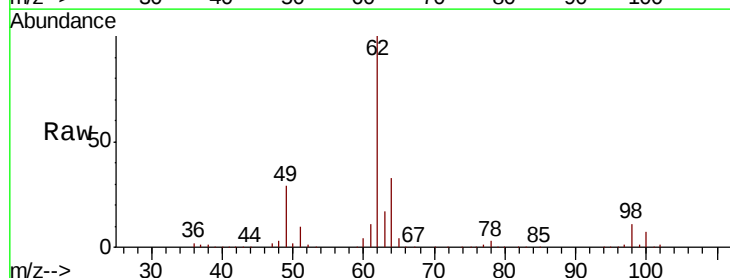


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

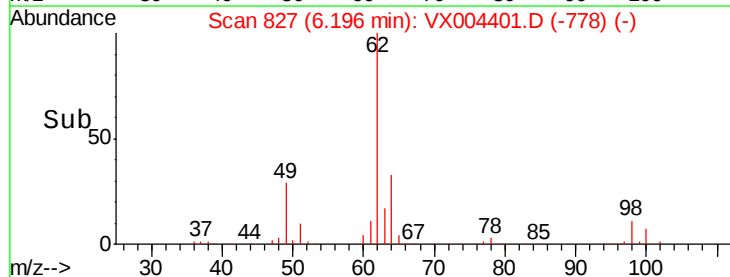
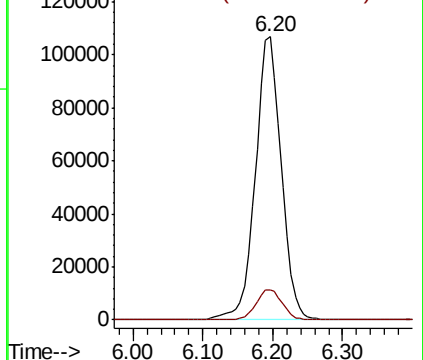


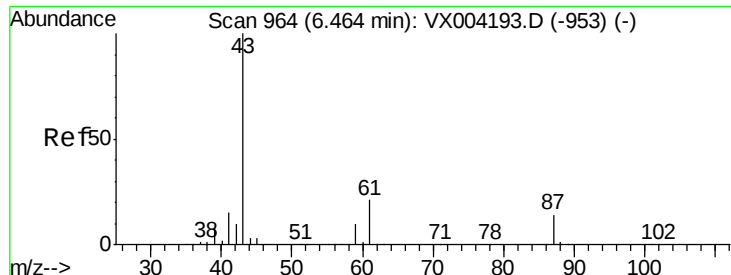
#42
1,2-Dichloroethane
Concen: 46.01 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	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: 50.08 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

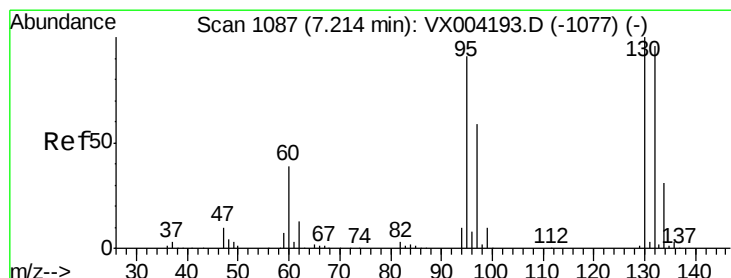
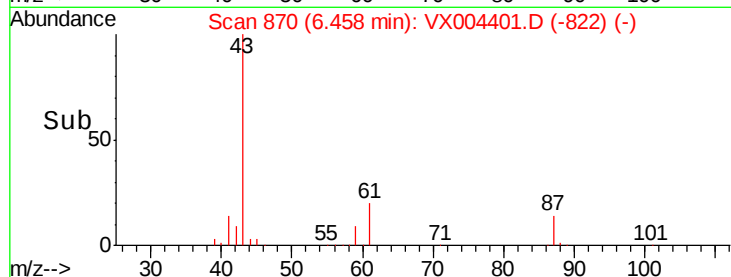
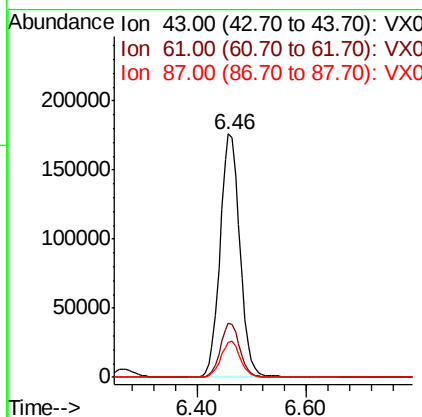
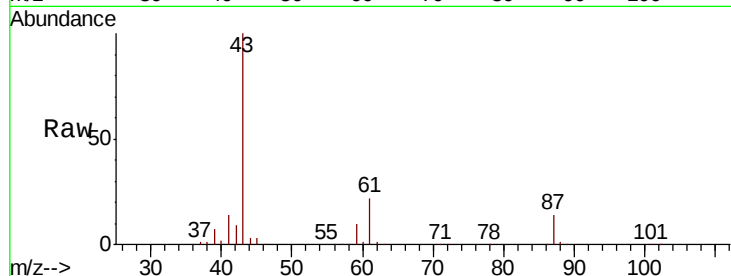
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	444149
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.0	25.4
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 47.69 ug/l

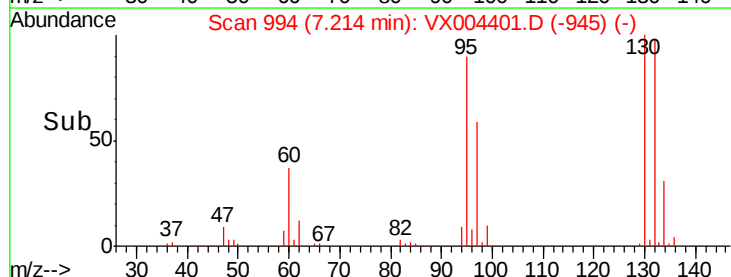
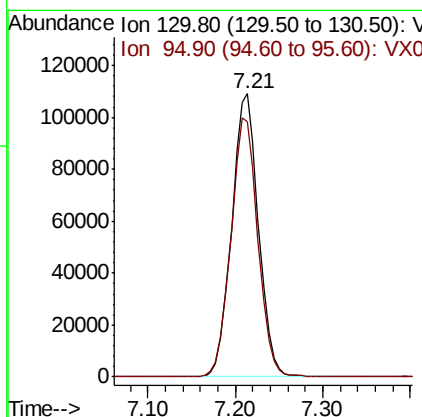
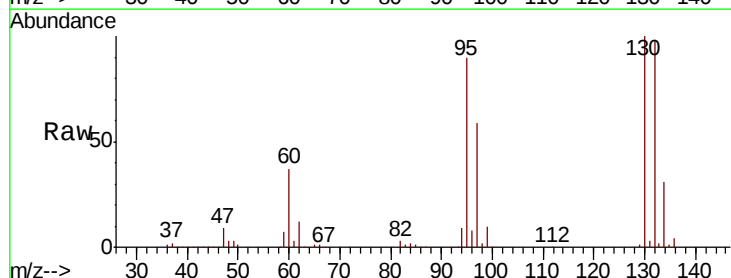
RT: 7.21 min Scan# 994

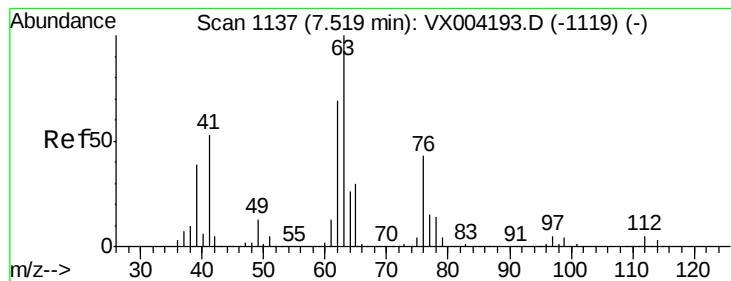
Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tgt Ion:	130	Resp:	231502
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 49.91 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 219052

Ion Ratio Lower Upper

63 100

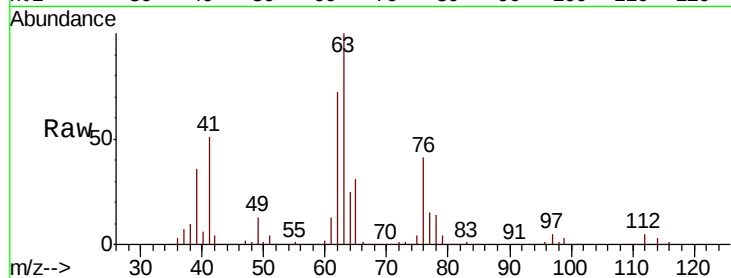
65 30.6 24.3 36.5

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

120000

100000

80000

60000

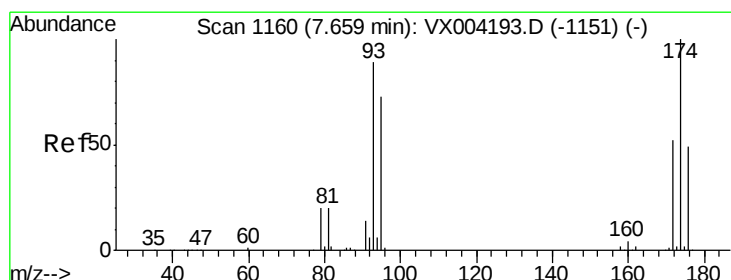
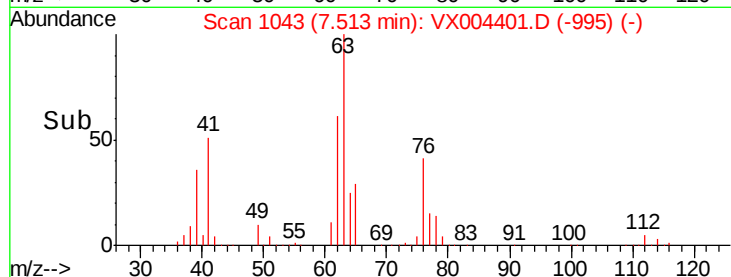
40000

20000

0

7.30 7.40 7.50 7.60 7.70

Time-->



#46

Dibromomethane

Concen: 46.46 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

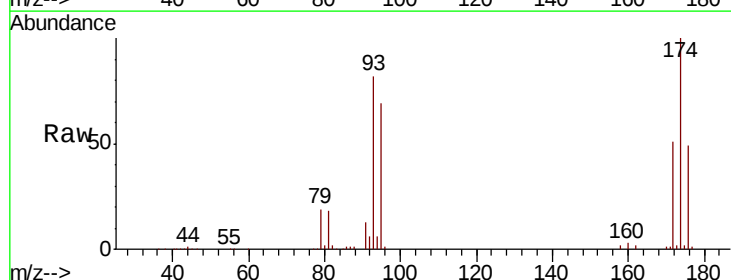
Tgt Ion: 93 Resp: 135770

Ion Ratio Lower Upper

93 100

95 83.6 65.5 98.3

174 121.5 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

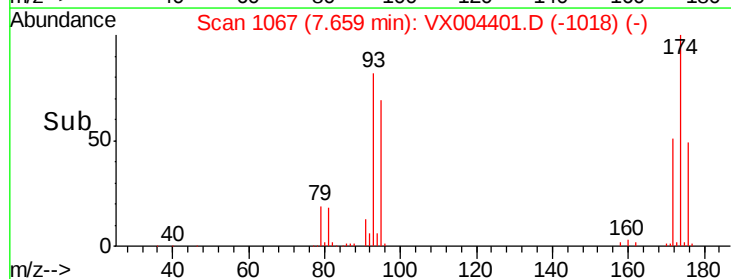
40000

20000

0

7.60 7.70

Time-->





#47

Bromodichloromethane

Concen: 50.08 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

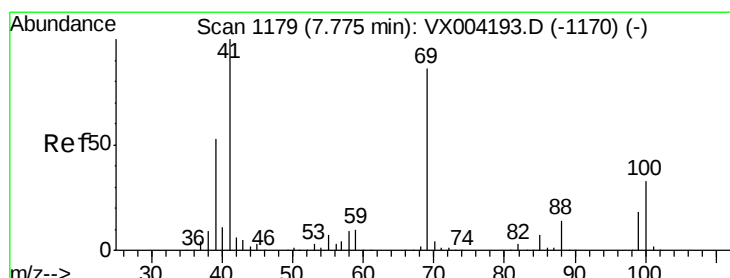
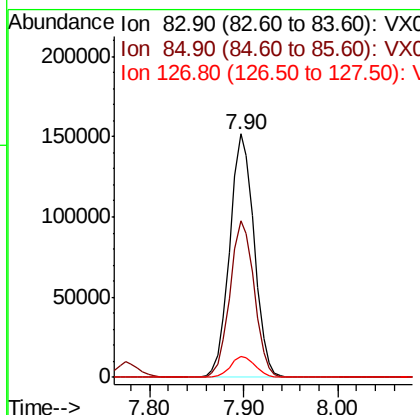
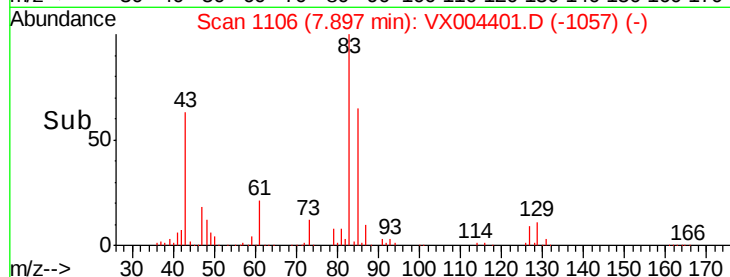
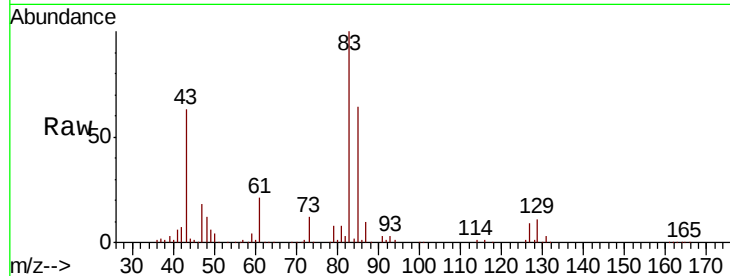
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	272329
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3
127	8.6	7.3	10.9

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#48

Methyl methacrylate

Concen: 49.69 ug/l

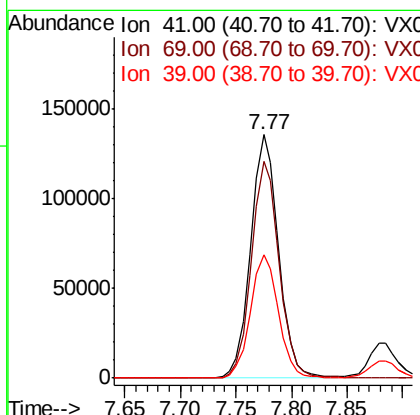
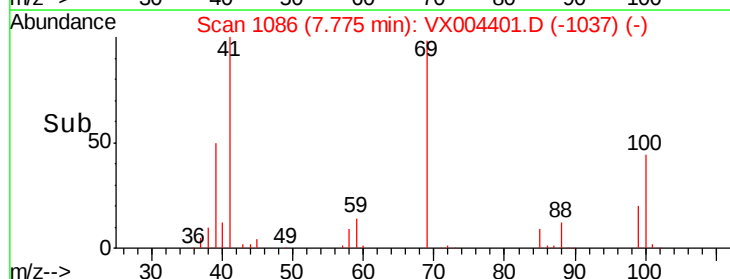
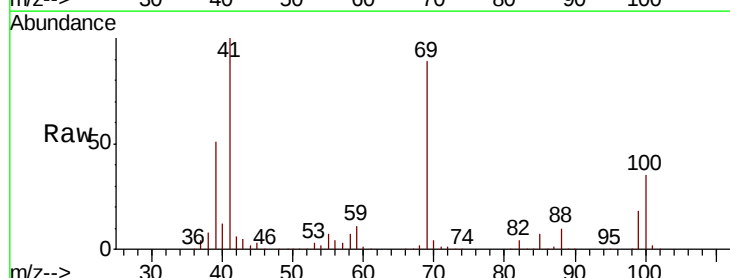
RT: 7.77 min Scan# 1086

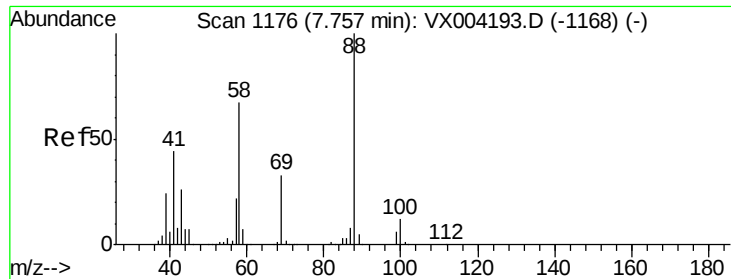
Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tgt Ion:	41	Resp:	235803
Ion	Ratio	Lower	Upper
41	100		
69	89.5	70.2	105.4
39	51.2	42.7	64.1





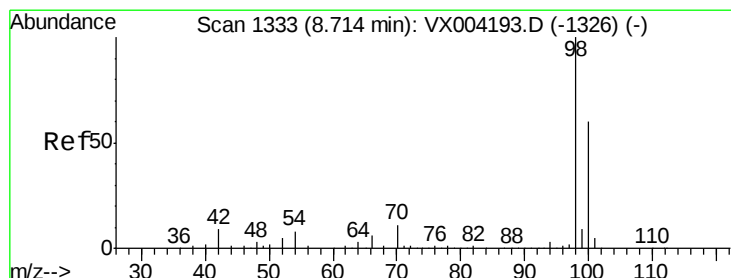
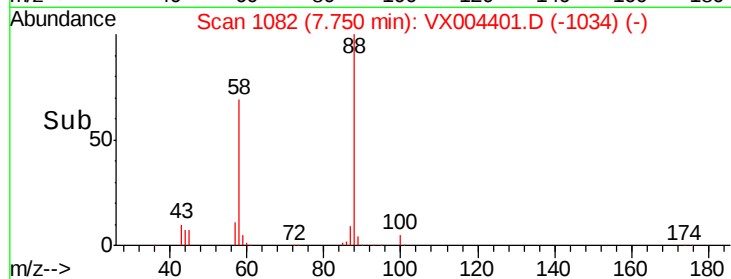
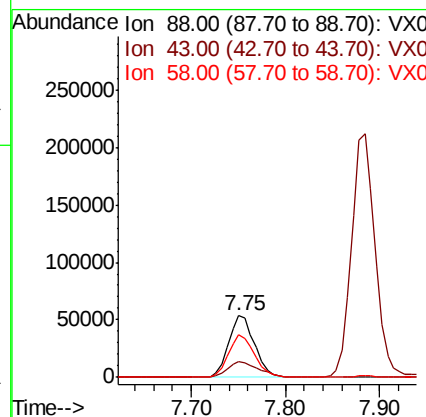
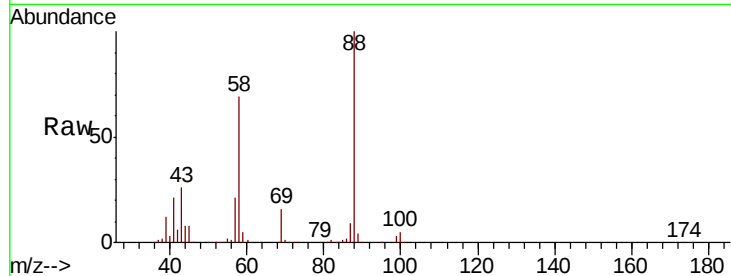
#49
1,4-Dioxane
Concen: 944.60 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	70.1	55.3	82.9

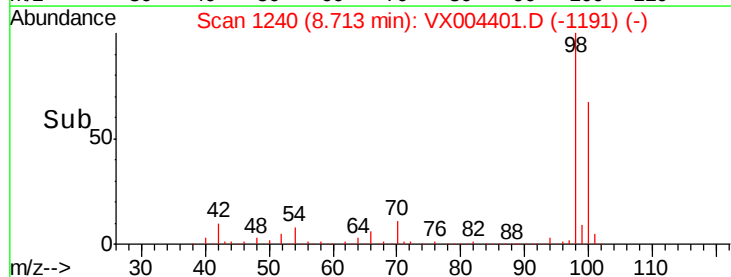
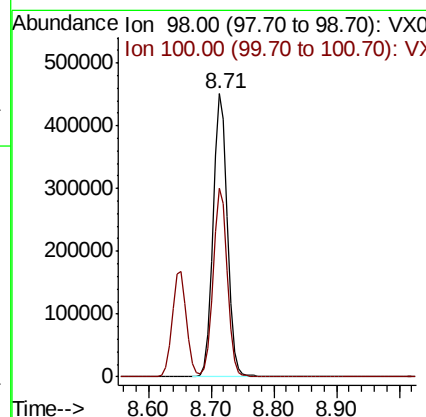
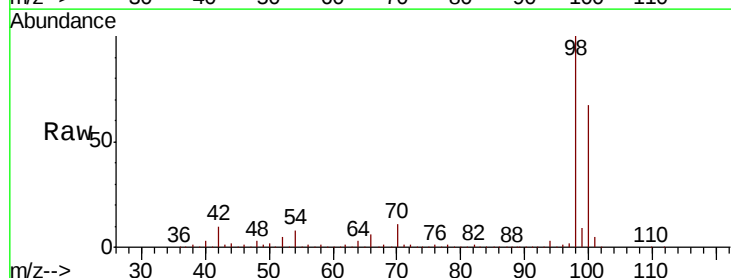
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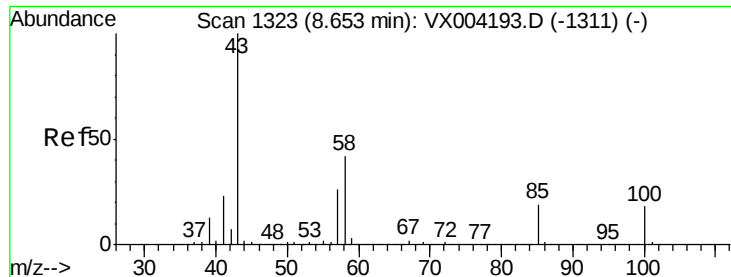
MMDadoda
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#50
Toluene-d8
Concen: 48.30 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 232.11 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1495631

Ion Ratio Lower Upper

43 100

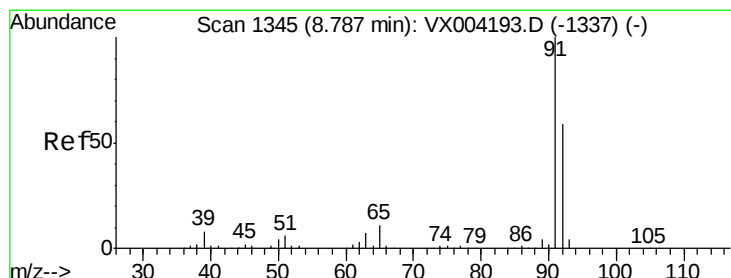
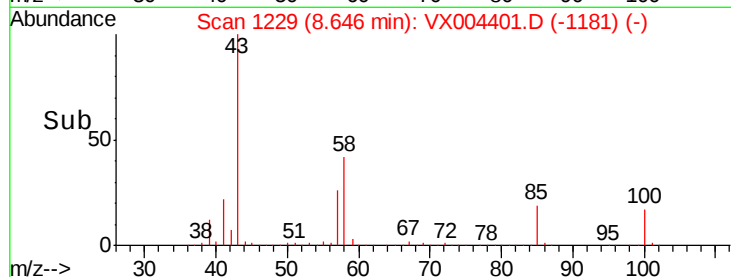
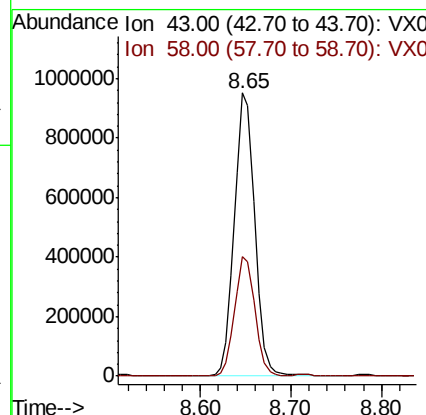
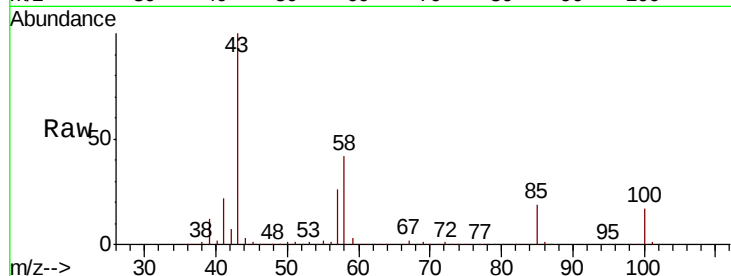
58 41.8 33.1 49.7

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#52

Toluene

Concen: 48.82 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004401.D

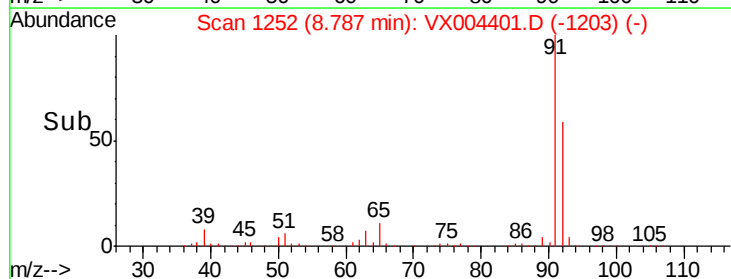
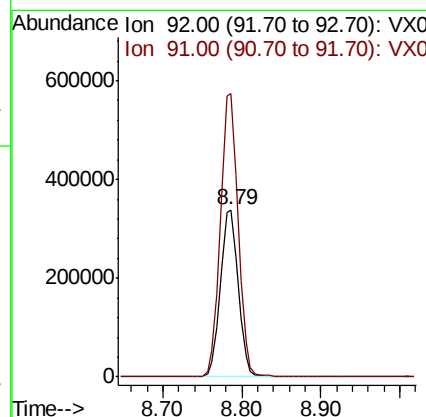
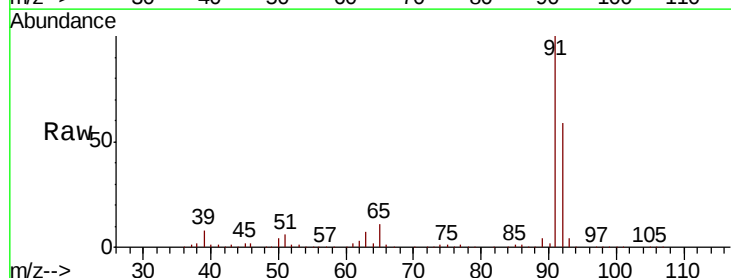
Acq: 07 Sep 2018 11:37

Tgt Ion: 92 Resp: 535830

Ion Ratio Lower Upper

92 100

91 169.2 136.4 204.6





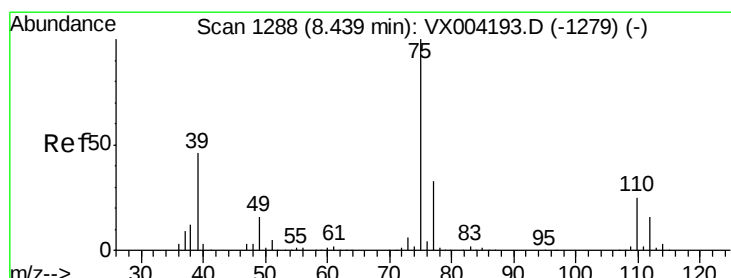
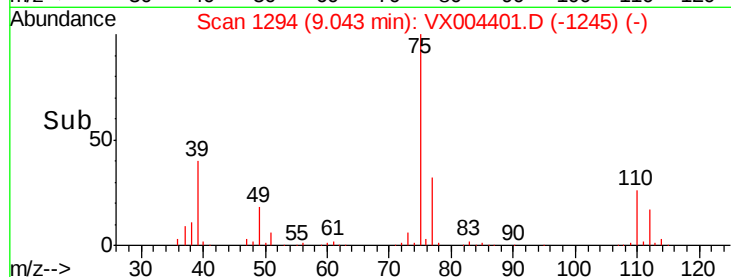
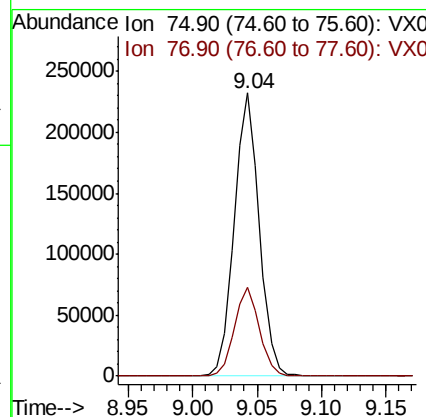
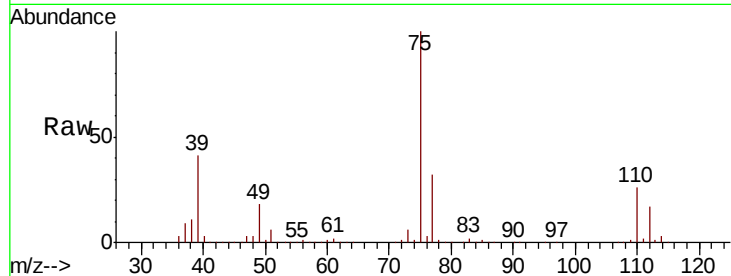
#53
t-1,3-Dichloropropene
Concen: 52.54 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 31521
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0

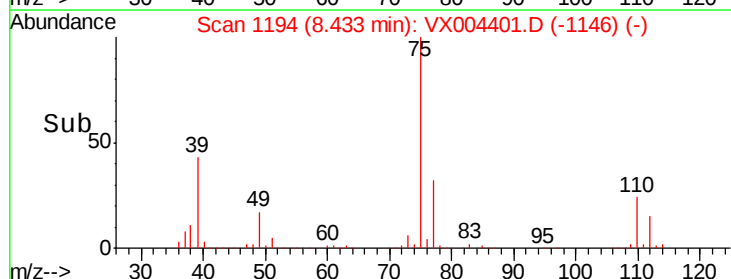
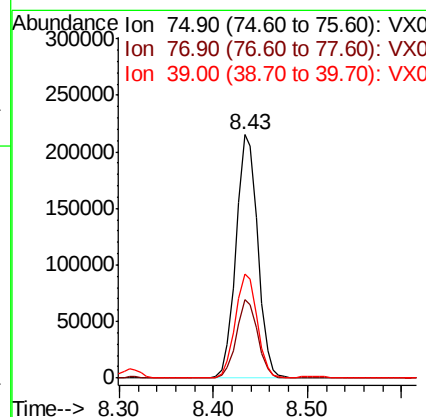
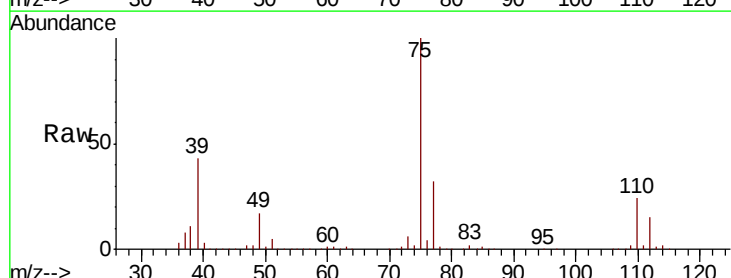
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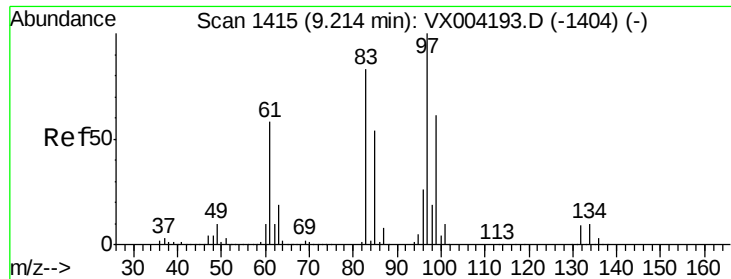
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.40 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion: 75 Resp: 342752
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
39 42.7 36.4 54.6





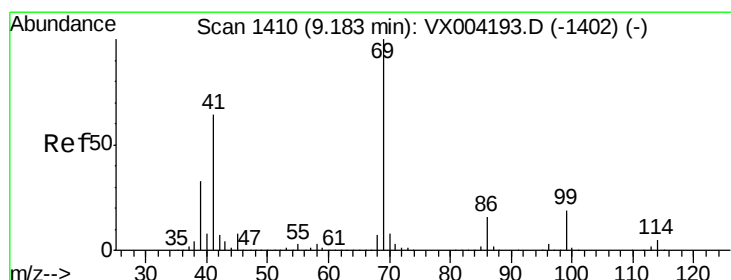
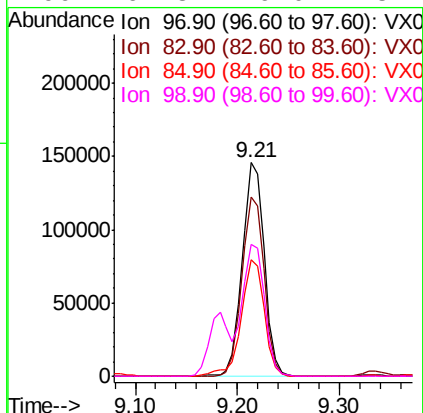
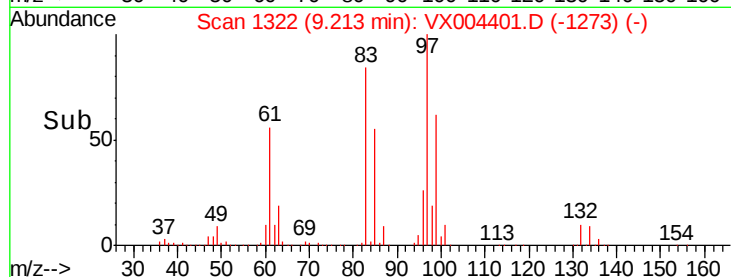
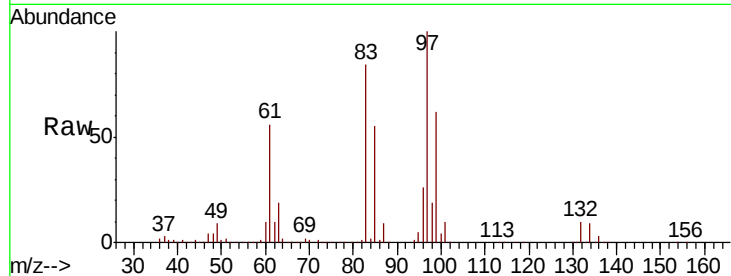
#55
 1,1,2-Trichloroethane
 Concen: 49.11 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	217609
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.4	99.6
85	54.6	43.3	64.9
99	61.8	49.0	73.4

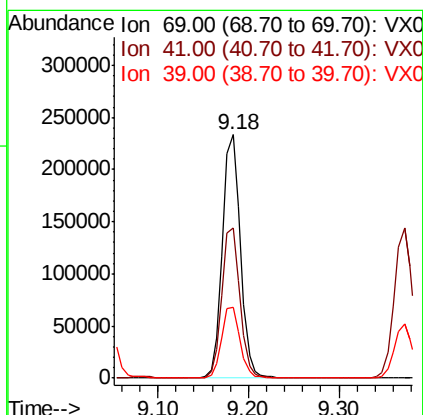
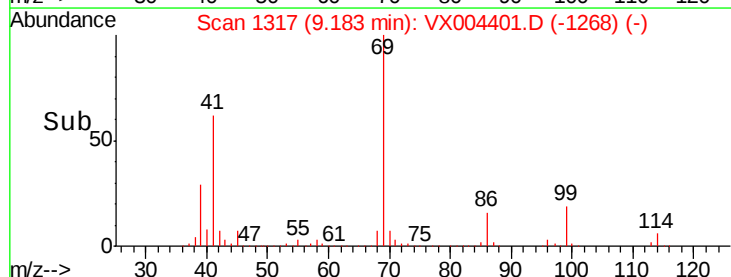
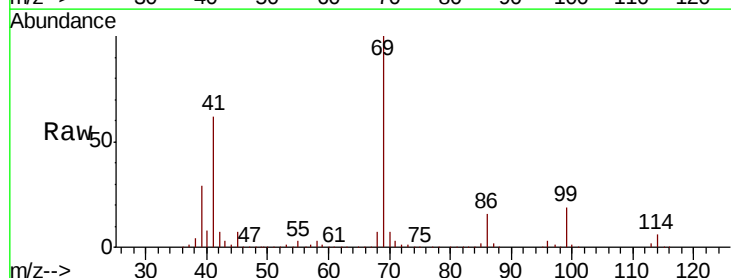
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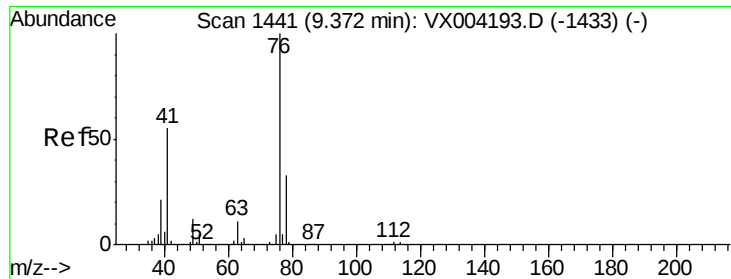
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#56
 Ethyl methacrylate
 Concen: 53.90 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Tgt Ion:	69	Resp:	325115
Ion	Ratio	Lower	Upper
69	100		
41	62.1	51.0	76.4
39	29.7	26.1	39.1





#57

1,3-Dichloropropane

Concen: 49.44 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 369214

Ion Ratio Lower Upper

76 100

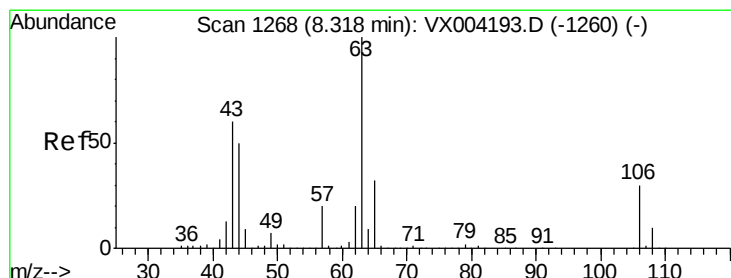
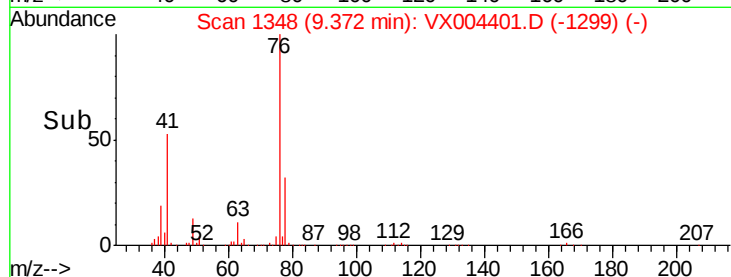
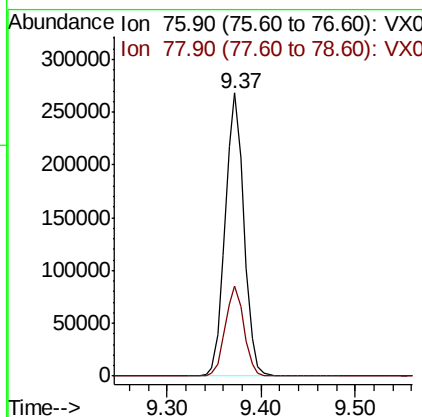
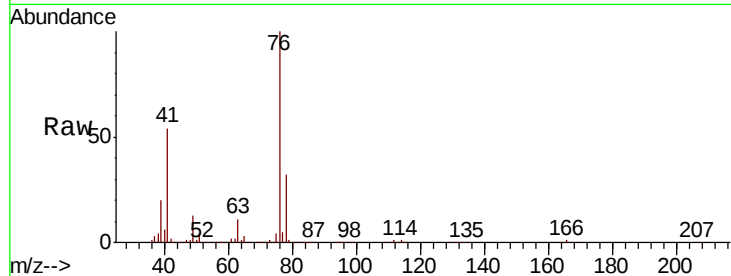
78 31.9 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 218.33 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004401.D

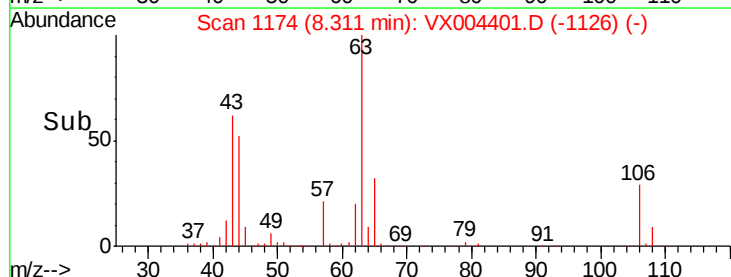
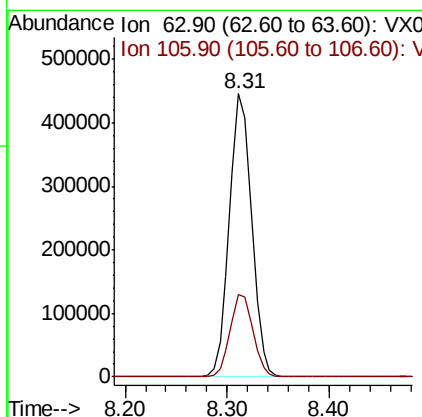
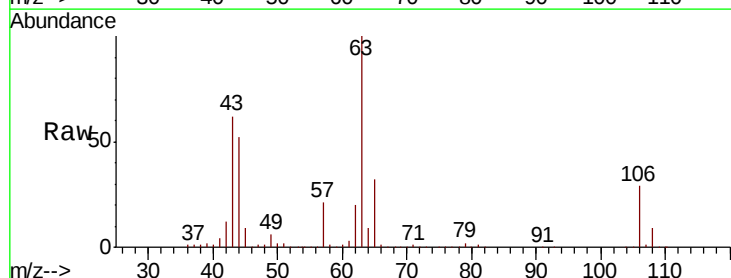
Acq: 07 Sep 2018 11:37

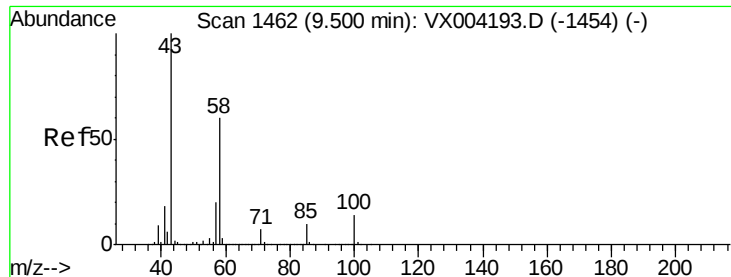
Tgt Ion: 63 Resp: 674781

Ion Ratio Lower Upper

63 100

106 29.8 23.9 35.9





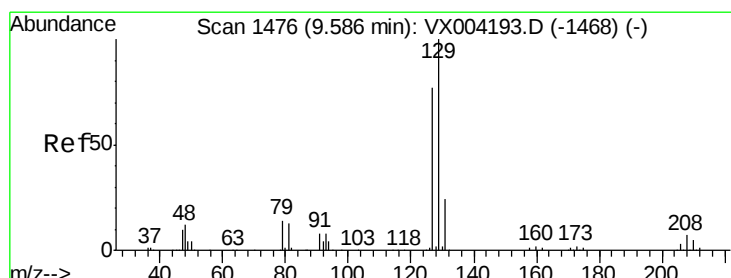
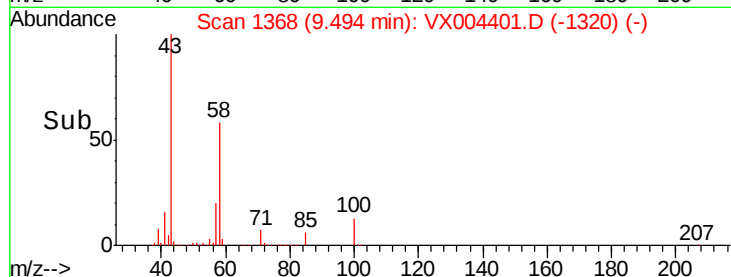
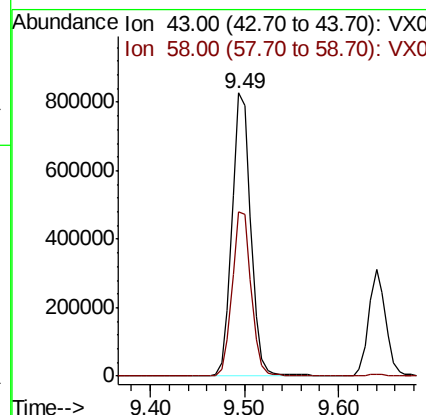
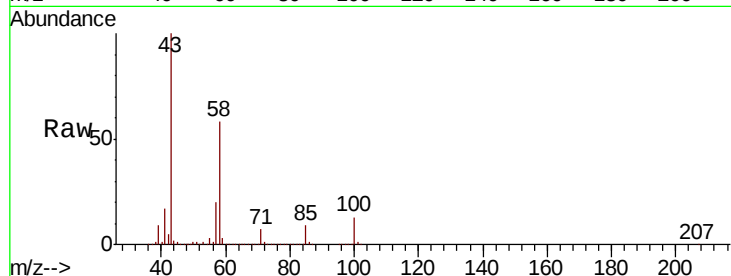
#59
2-Hexanone
Concen: 233.42 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1147484
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0

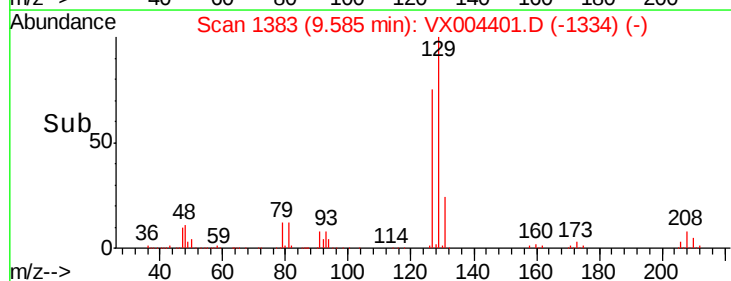
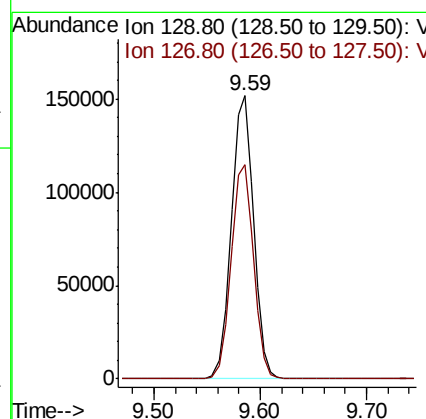
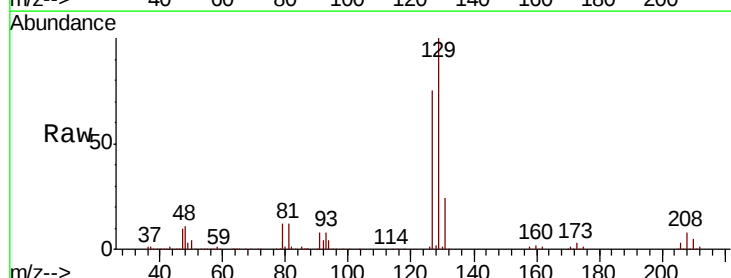
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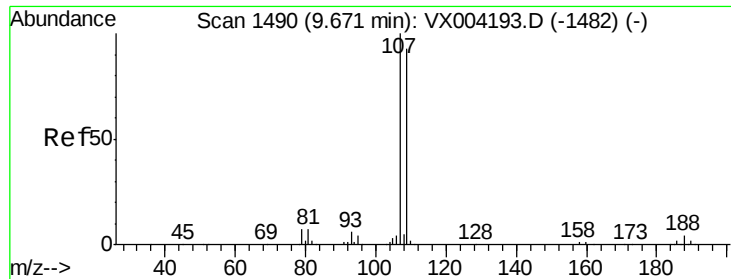
MMDadoda
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#60
Dibromochloromethane
Concen: 51.57 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion: 129 Resp: 222612
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.85 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 224018

Ion Ratio Lower Upper

107 100

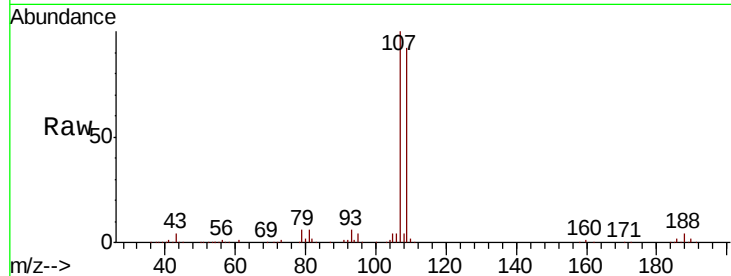
109 93.1 76.0 114.0

Manual Integrations

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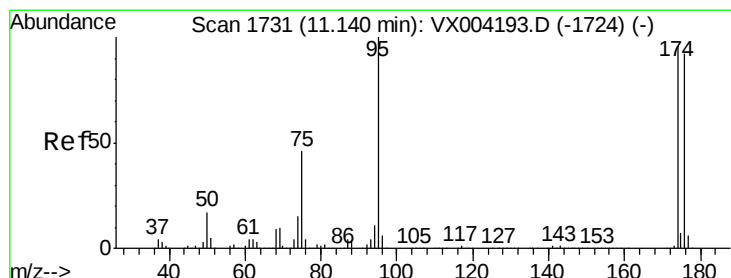
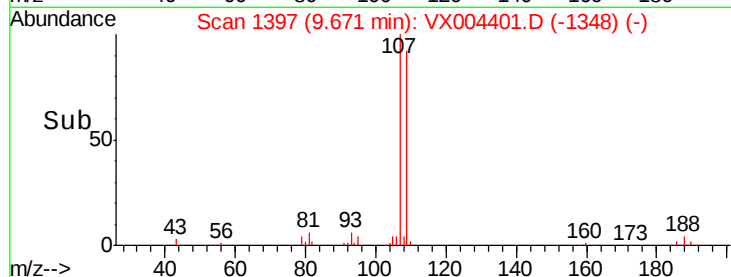
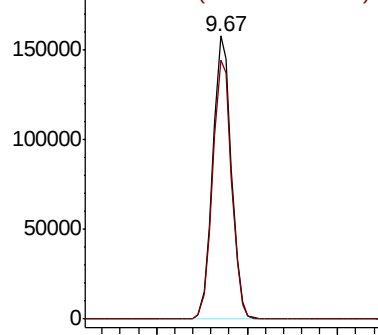
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.56 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

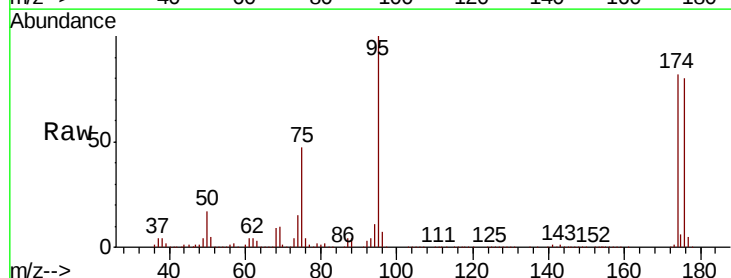
Tgt Ion: 95 Resp: 276514

Ion Ratio Lower Upper

95 100

174 90.6 0.0 185.2

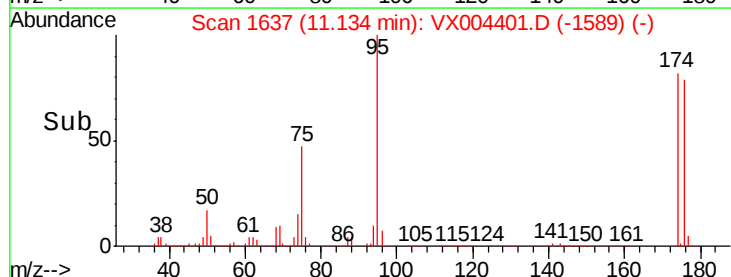
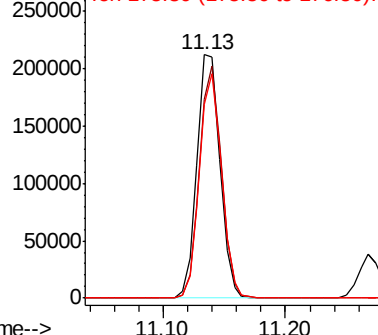
176 88.3 0.0 178.6

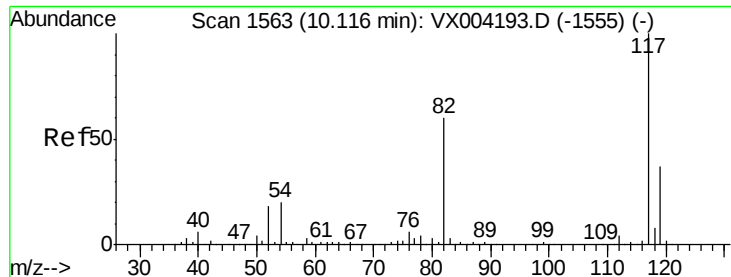


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





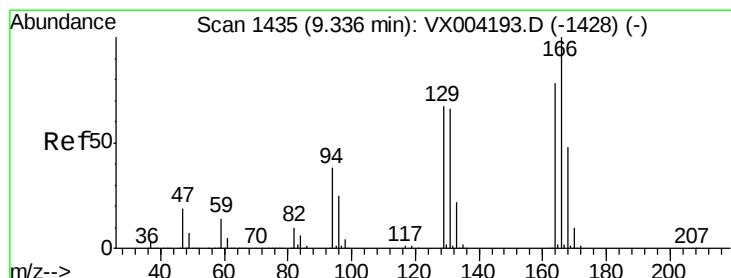
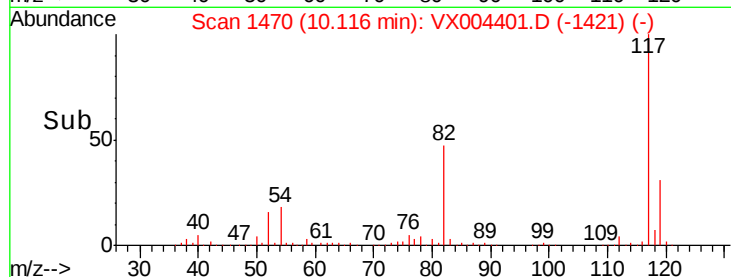
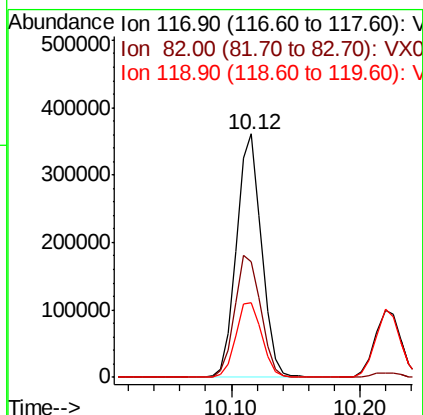
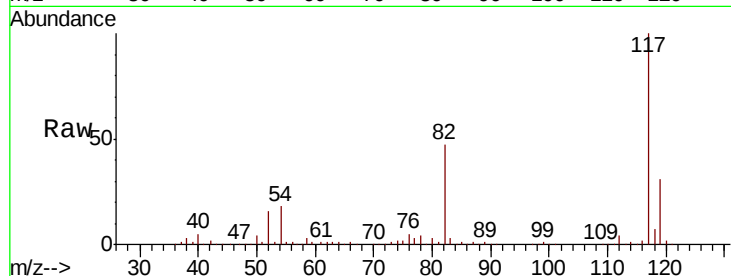
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.4	47.8	71.6#
119	30.8	29.3	43.9

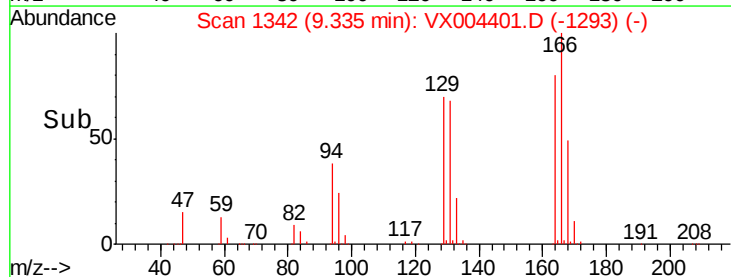
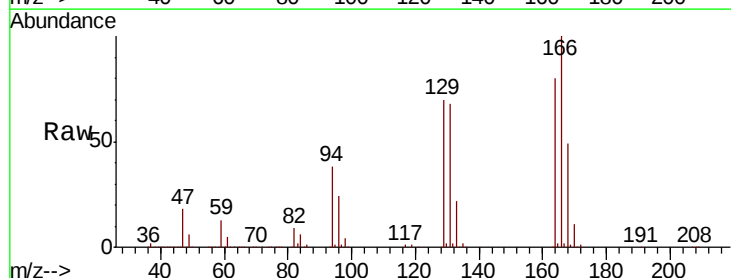
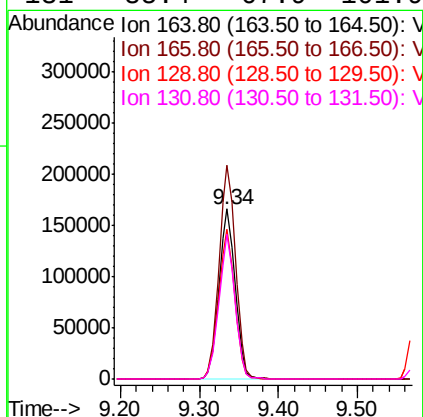
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 50.02 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	102.8	154.2
129	87.9	69.4	104.0
131	85.4	67.9	101.9





#65

Chlorobenzene

Concen: 47.73 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 582484

Ion Ratio Lower Upper

112 100

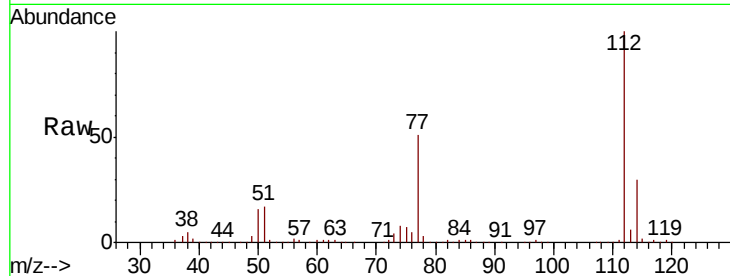
114 29.9 27.8 41.8

Manual Integrations

APPROVED

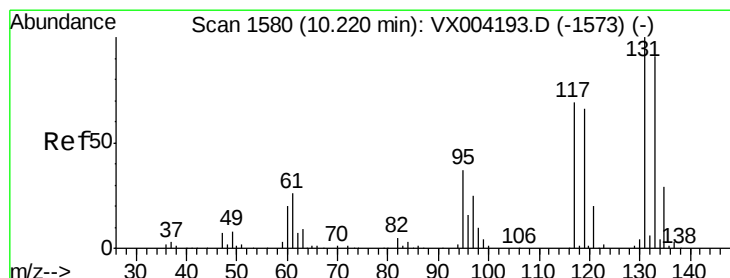
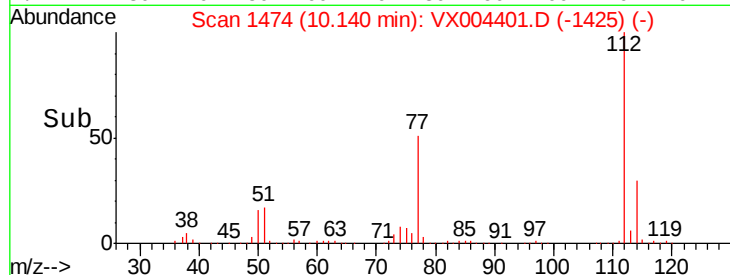
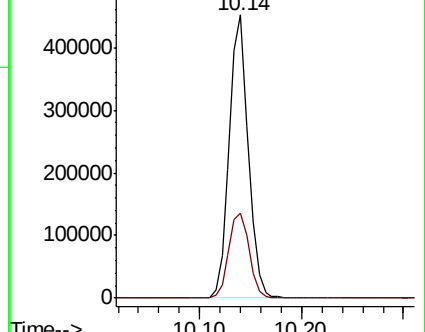
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.97 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

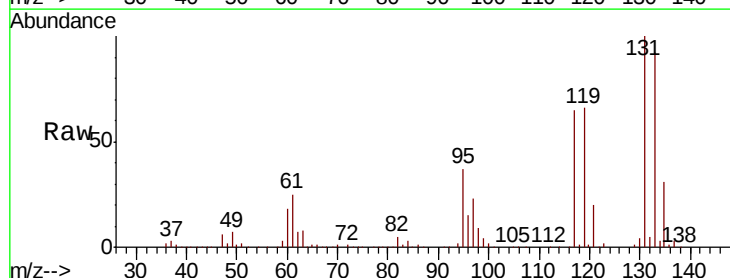
Tgt Ion:131 Resp: 210312

Ion Ratio Lower Upper

131 100

133 94.2 48.1 144.4

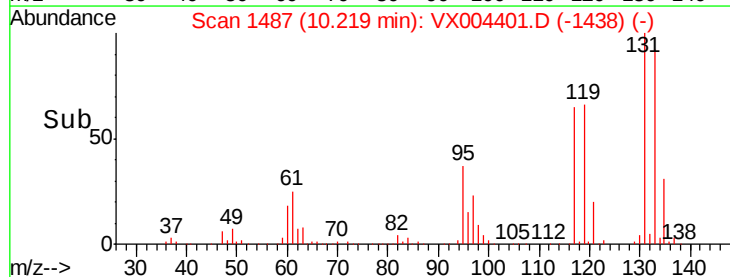
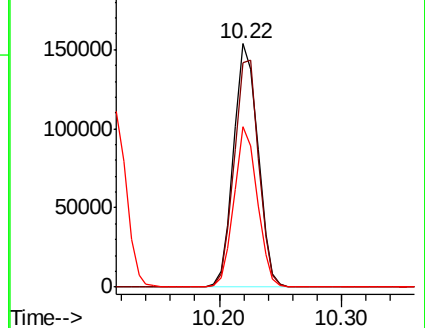
119 63.2 32.9 98.6

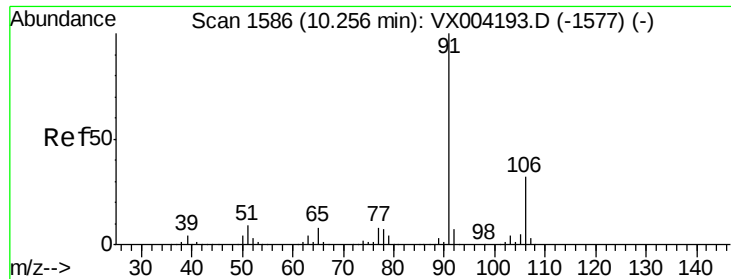


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





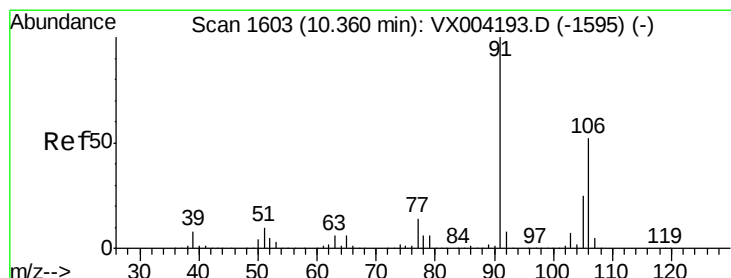
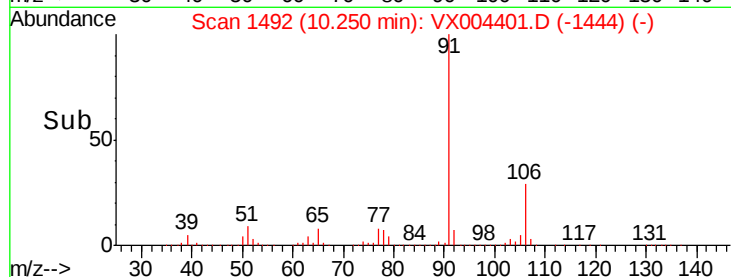
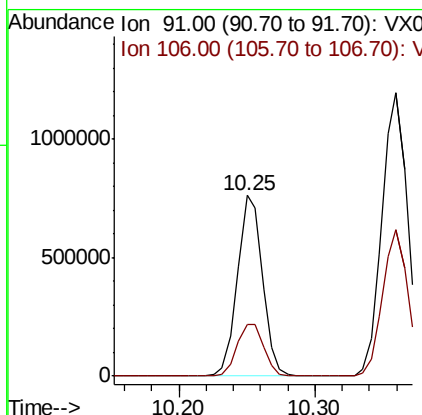
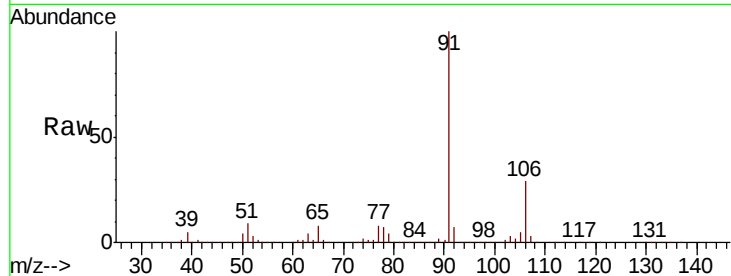
#67
Ethyl Benzene
Concen: 49.49 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 980666
Ion Ratio Lower Upper
91 100
106 28.8 25.9 38.9

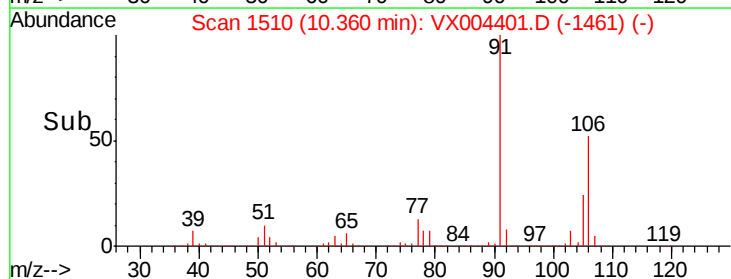
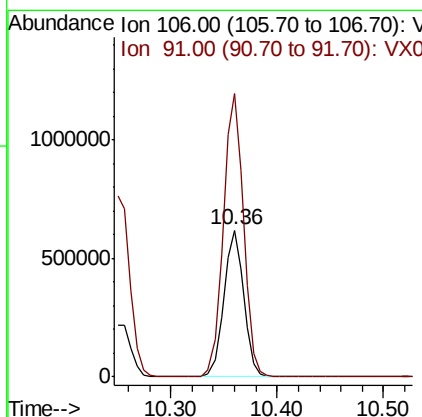
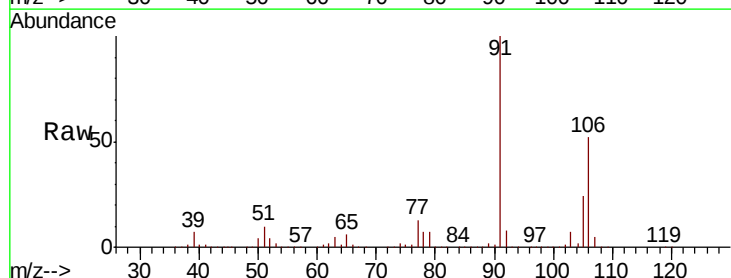
Manual Integrations
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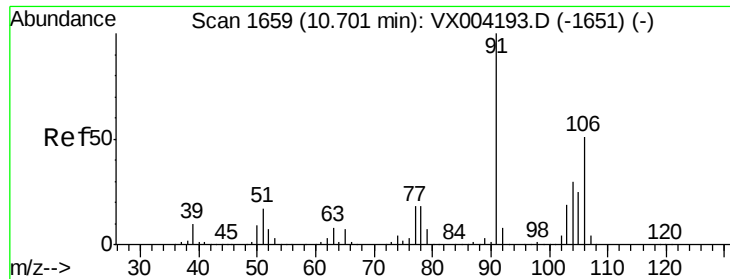
MMDadoda
9/10/2018 11:15:25 AM



#68
m/p-Xylenes
Concen: 103.97 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion: 106 Resp: 805660
Ion Ratio Lower Upper
106 100
91 196.5 157.1 235.7





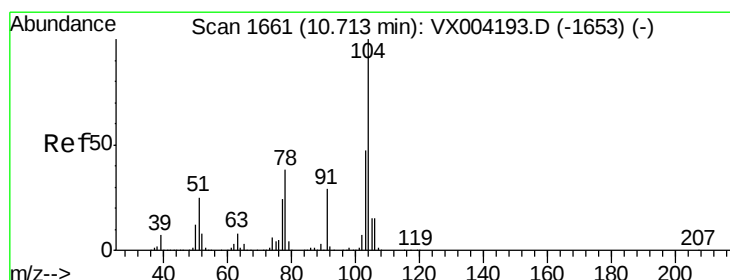
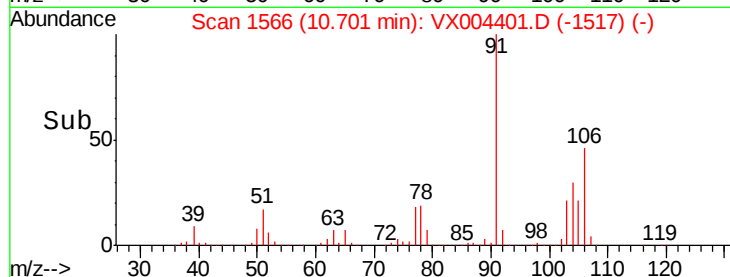
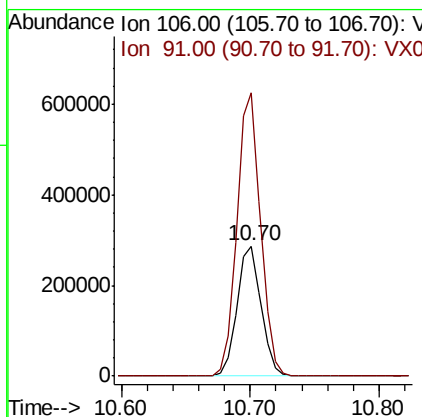
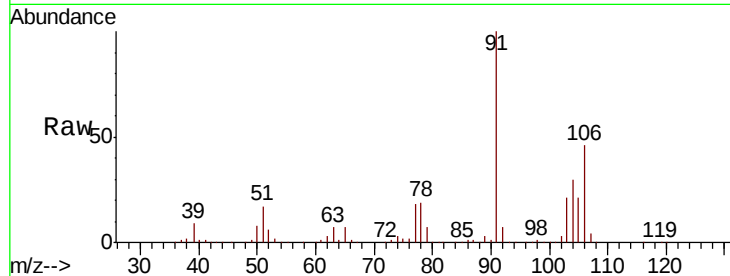
#69
o-Xylene
Concen: 50.59 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 370795
Ion Ratio Lower Upper
106 100
91 214.4 105.1 315.1

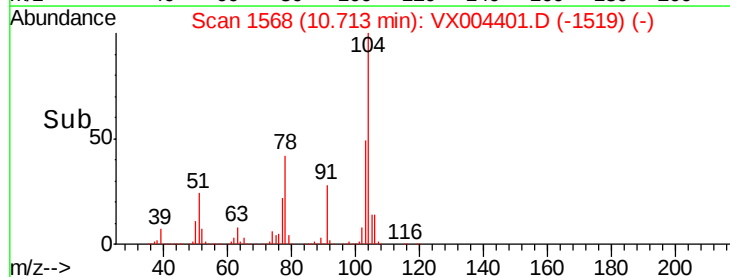
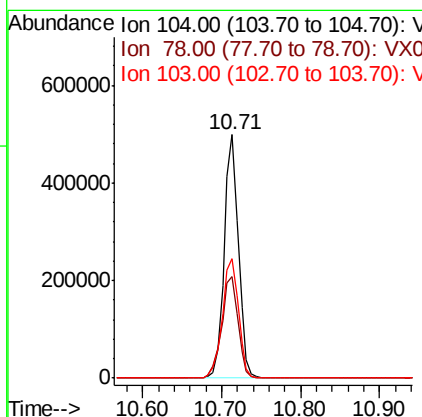
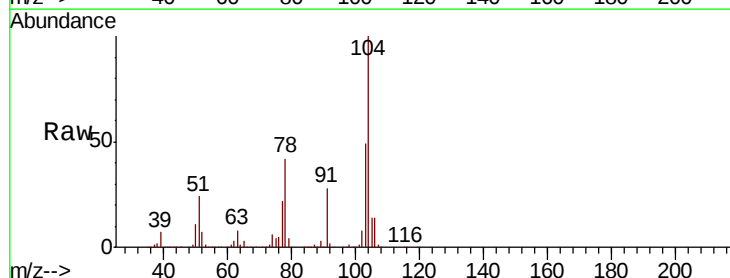
Manual Integrations
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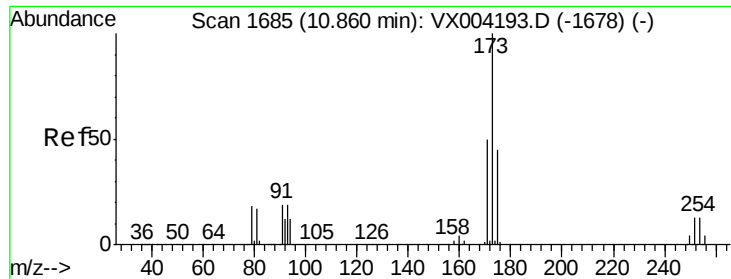
MMDadoda
9/10/2018 11:15:25 AM



#70
Styrene
Concen: 52.62 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion:104 Resp: 624558
Ion Ratio Lower Upper
104 100
78 48.3 37.4 56.0
103 55.7 43.8 65.6





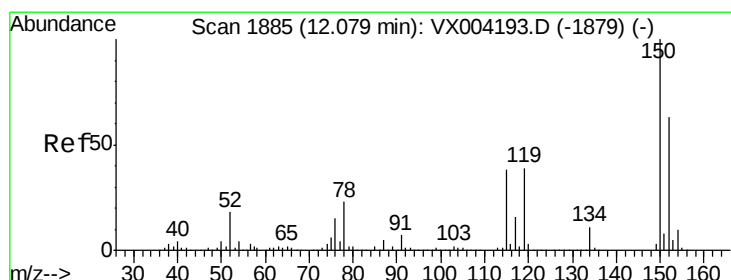
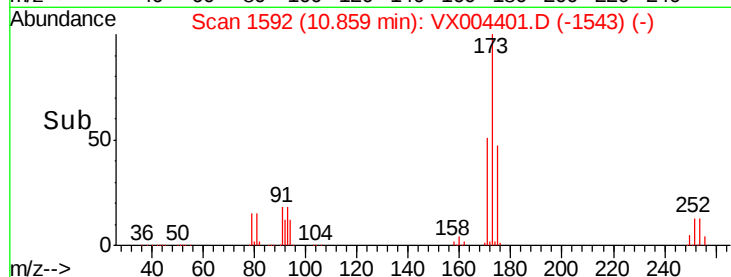
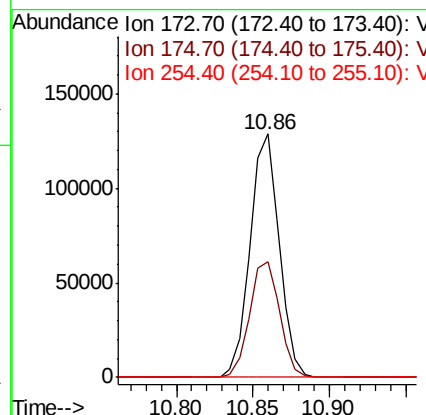
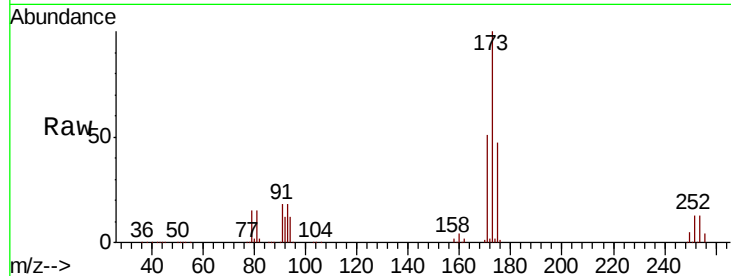
#71
Bromoform
Concen: 50.18 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.1	0.2	0.2

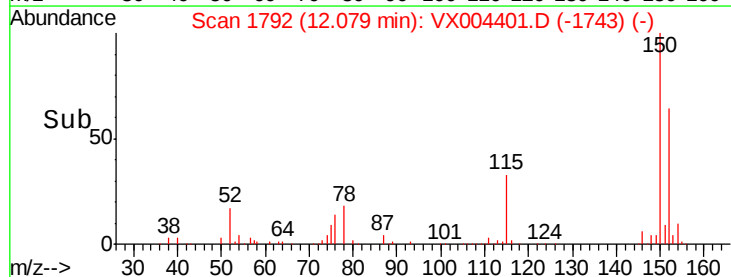
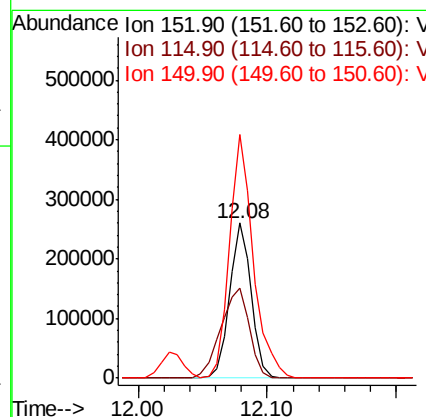
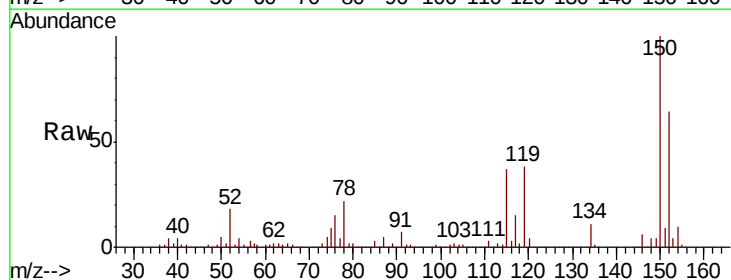
Manual Integrations
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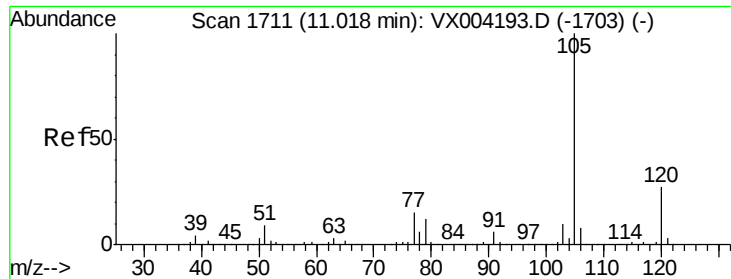
MMDadoda
9/10/2018 11:15:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.8	39.0	117.0
150	173.6	0.0	351.0





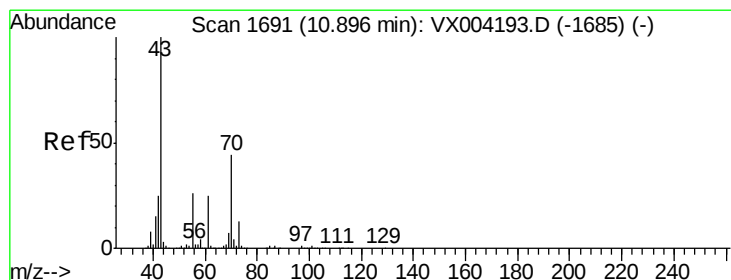
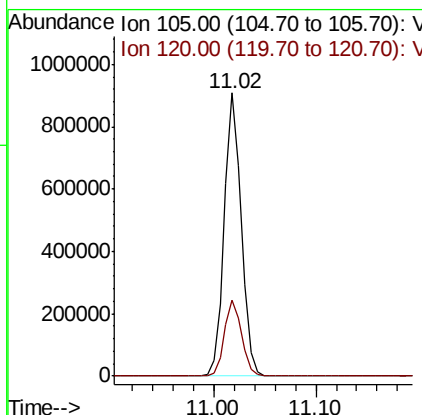
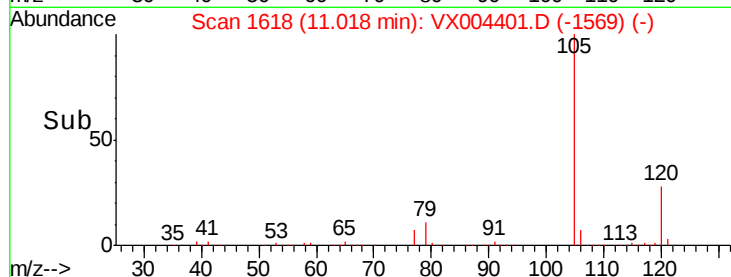
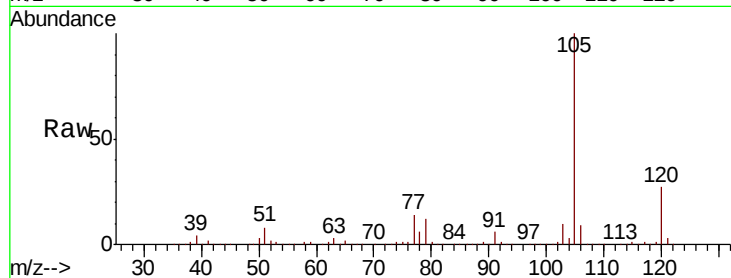
#73
Isopropylbenzene
Concen: 52.53 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1054442
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

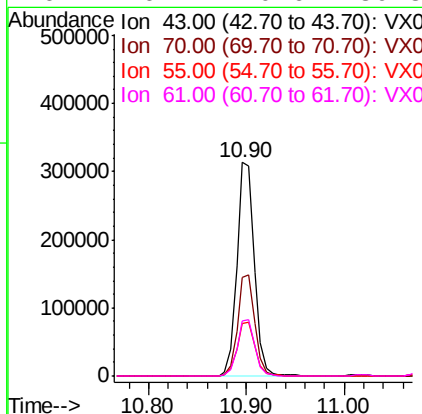
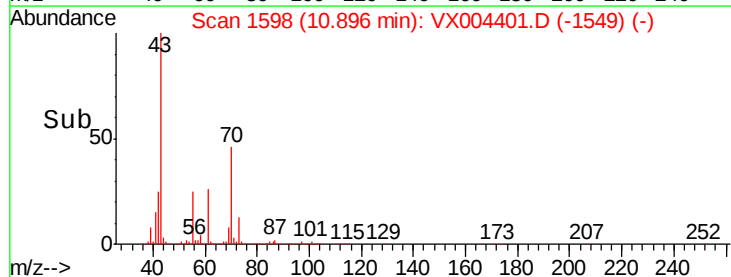
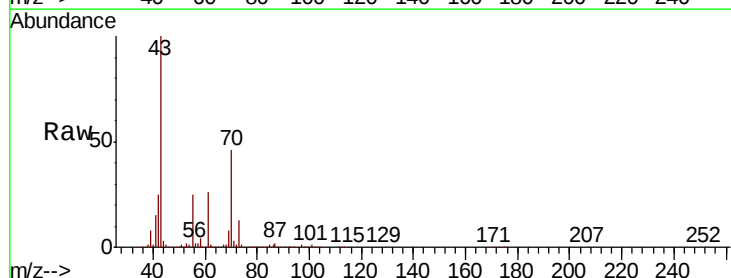
Manual Integrations
APPROVED

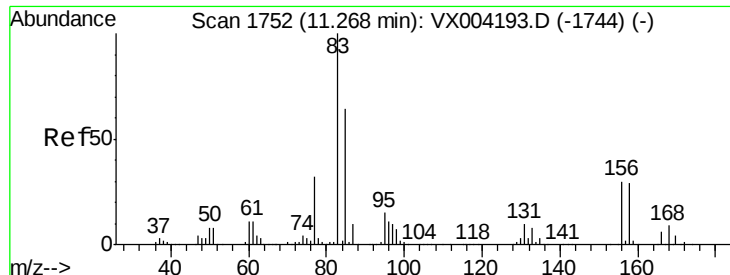
MMDadoda
9/10/2018 11:15:25 AM



#74
N-ethyl acetate
Concen: 49.96 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion: 43 Resp: 386080
Ion Ratio Lower Upper
43 100
70 47.0 37.4 56.0
55 26.0 21.8 32.8
61 26.4 20.6 30.8





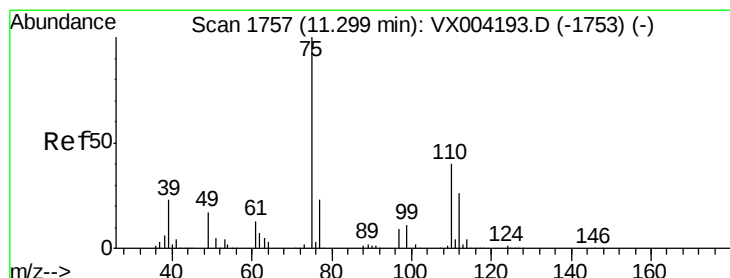
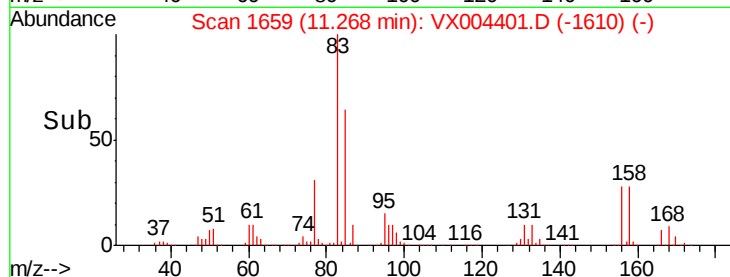
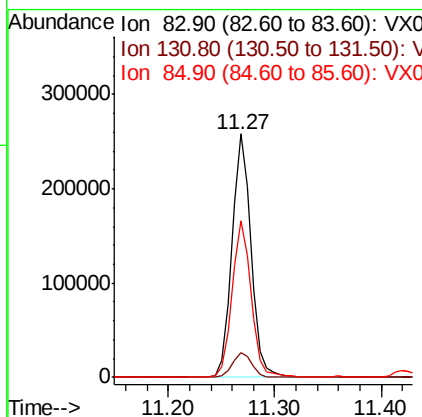
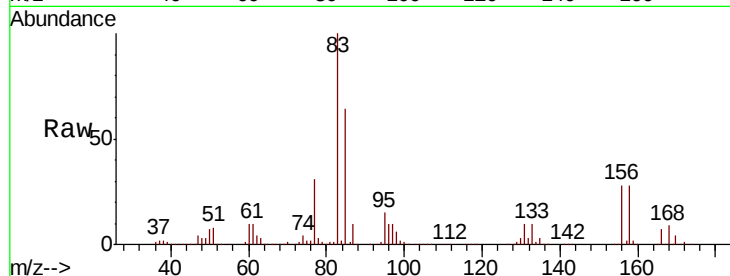
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.25 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.5	5.2	15.6	
85	64.6	32.3	96.8	

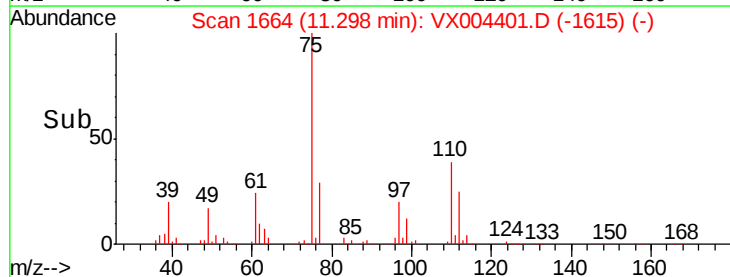
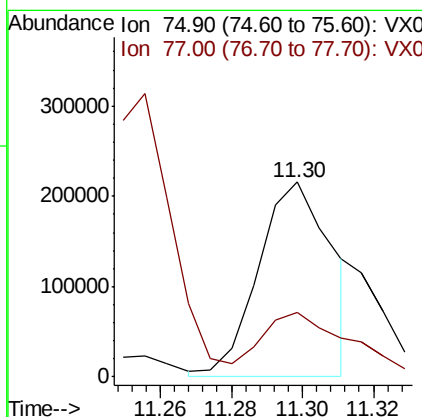
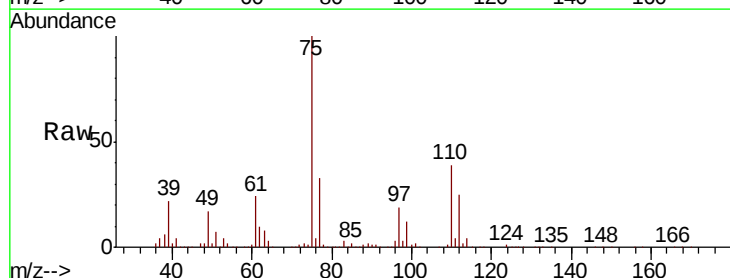
Manual Integrations
 APPROVED

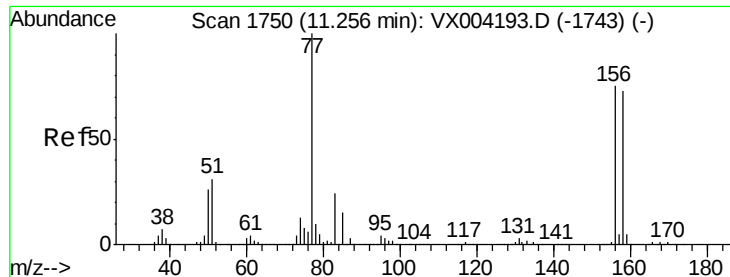
MMDadoda
 9/10/2018 11:15:25 AM



#76
 1,2,3-Trichloropropane
 Concen: 49.57 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	40.1	20.2	60.6	





#77

Bromobenzene

Concen: 49.19 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 276935

Ion Ratio Lower Upper

156 100

77 146.2 71.5 214.3

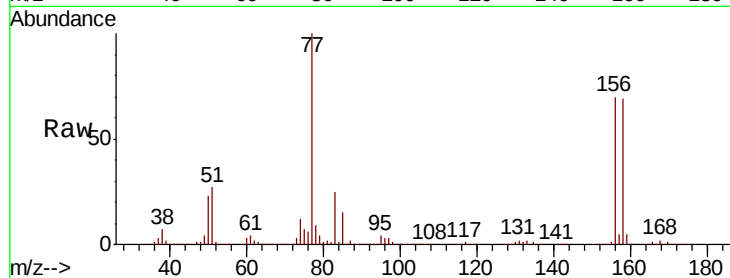
158 97.0 48.9 146.8

Manual Integrations

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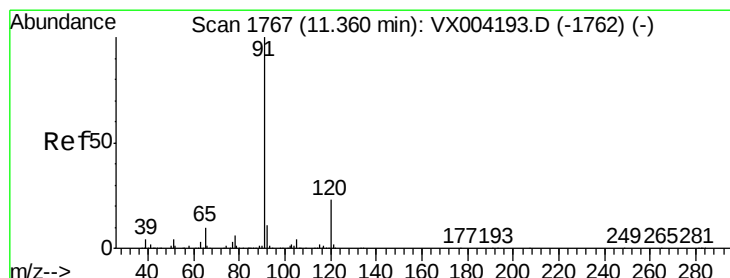
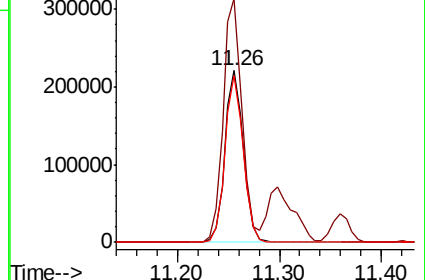
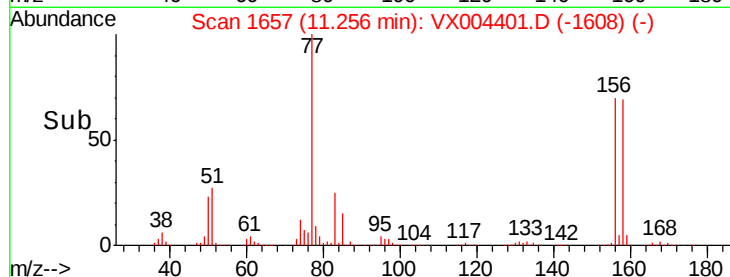
9/10/2018 11:15:25 AM



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: 52.73 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004401.D

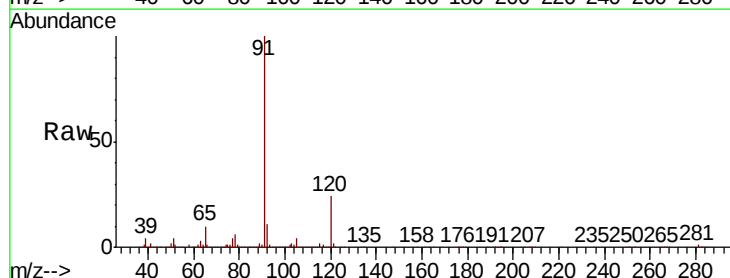
Acq: 07 Sep 2018 11:37

Tgt Ion: 91 Resp: 1217281

Ion Ratio Lower Upper

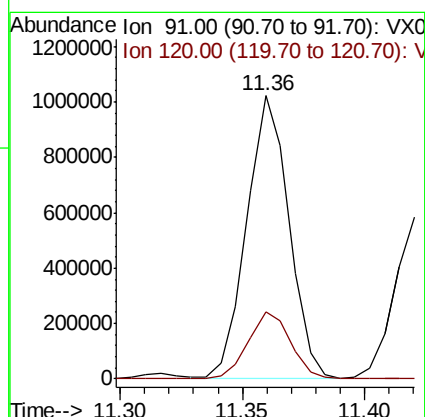
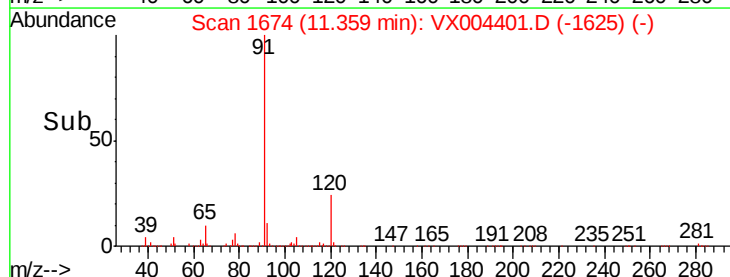
91 100

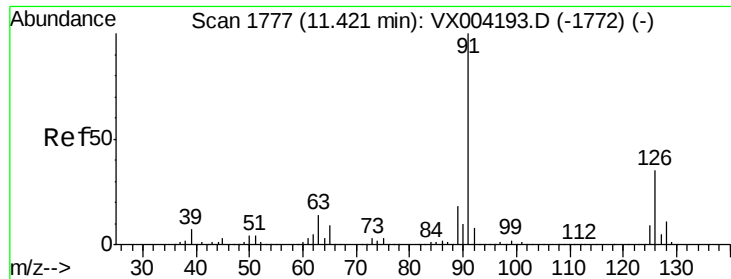
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.11 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 712051

Ion Ratio Lower Upper

91 100

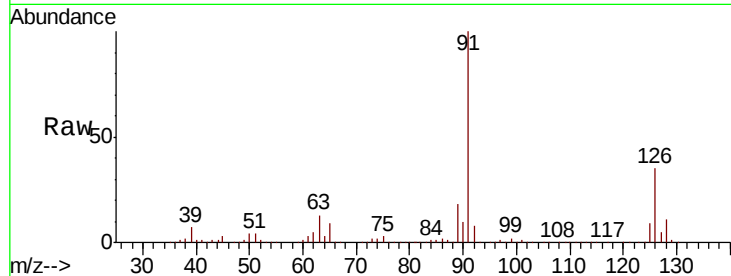
126 35.3 17.9 53.7

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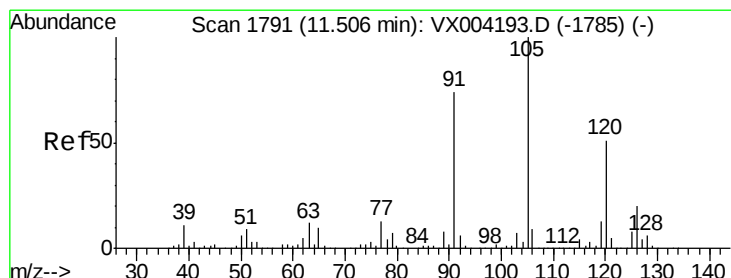
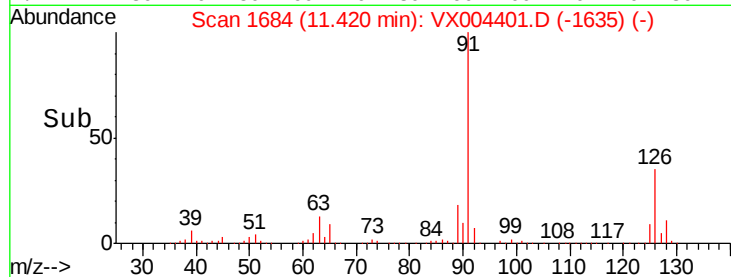
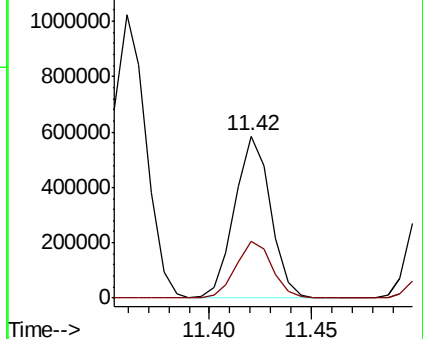
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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 52.98 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004401.D

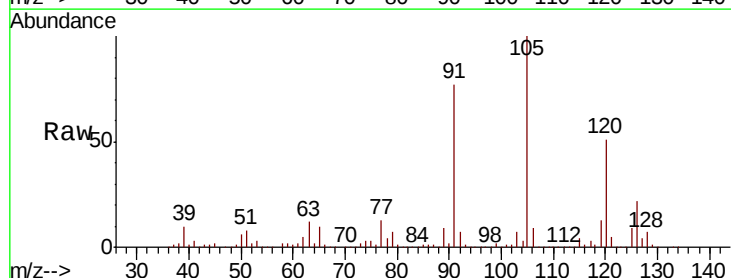
Acq: 07 Sep 2018 11:37

Tgt Ion: 105 Resp: 880696

Ion Ratio Lower Upper

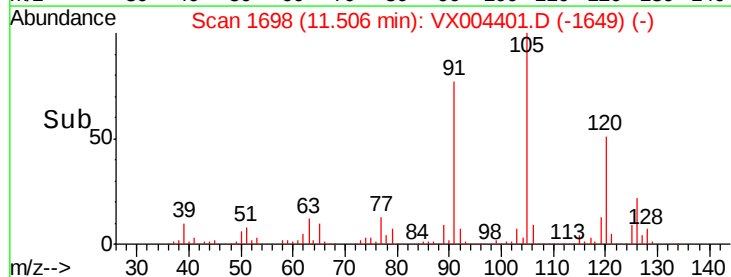
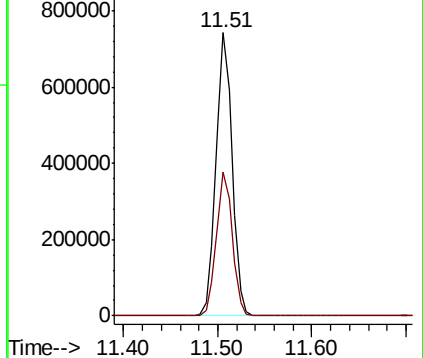
105 100

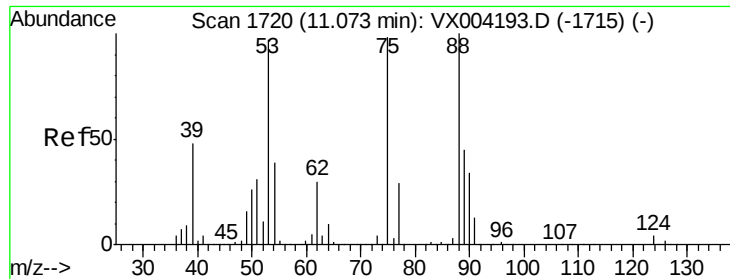
120 50.7 25.6 76.8



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

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





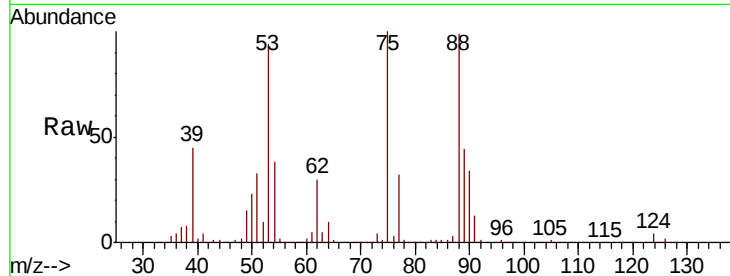
#81
trans-1,4-Dichloro-2-butene
Concen: 53.10 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

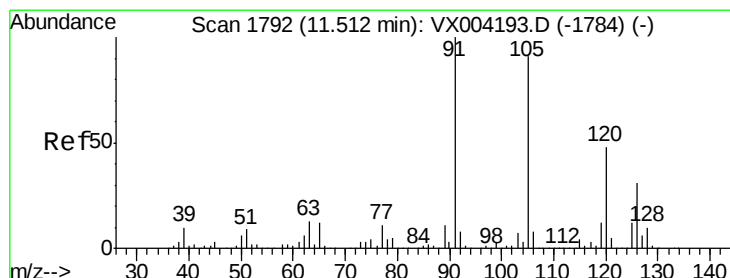
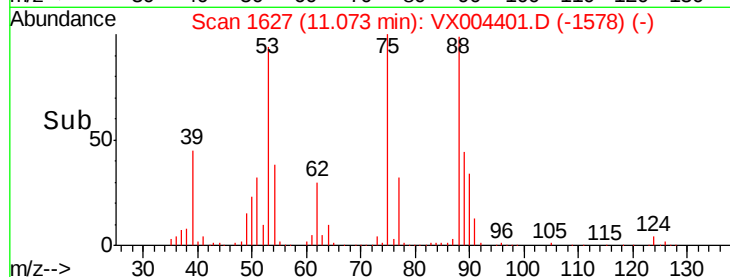
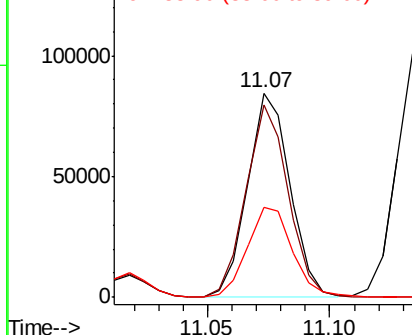
Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	80.1	120.1
89	47.5	37.2	55.8

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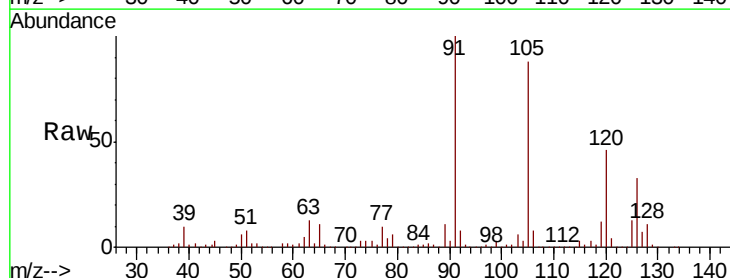


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

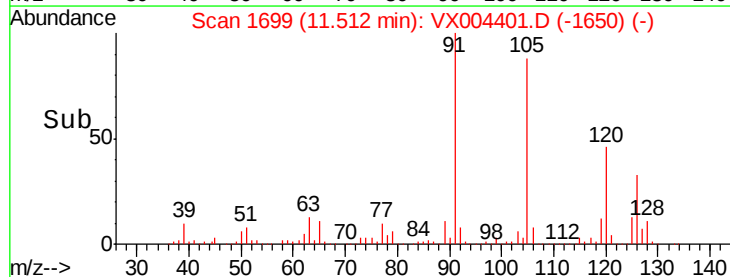
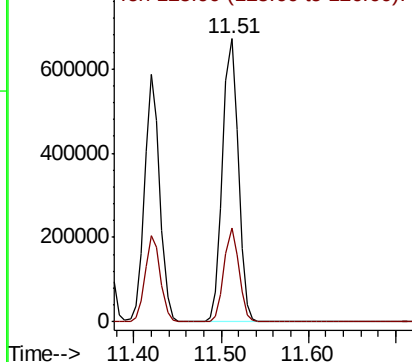


#82
4-Chlorotoluene
Concen: 49.93 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt 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





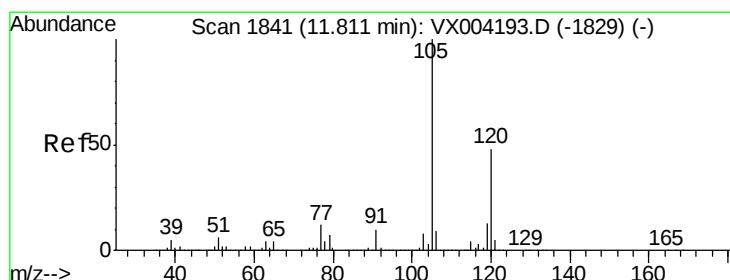
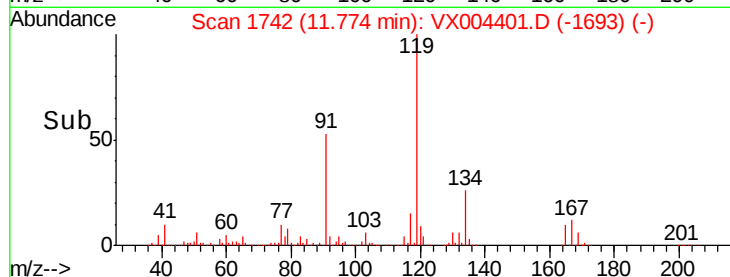
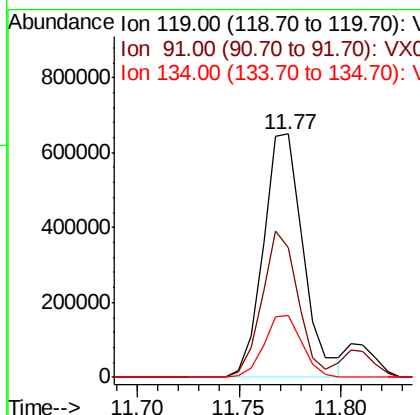
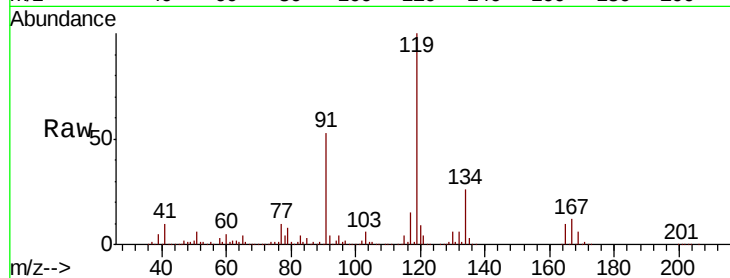
#83
 tert-Butylbenzene
 Concen: 53.08 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.2	27.0	81.0
134	24.1	11.7	35.1

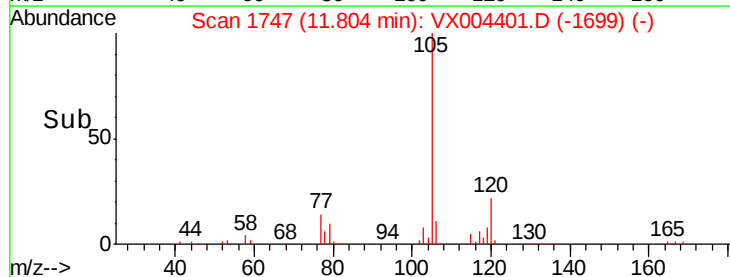
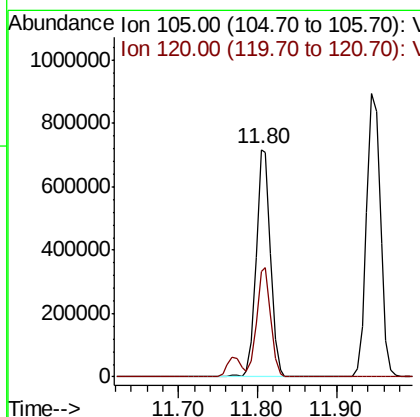
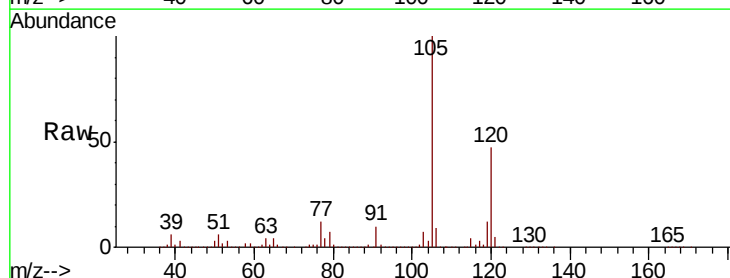
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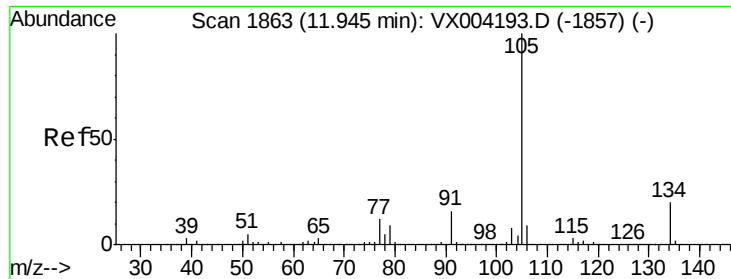
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.27 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 55.45 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1100996

Ion Ratio Lower Upper

105 100

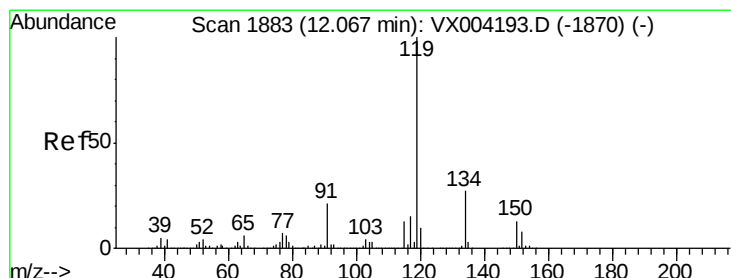
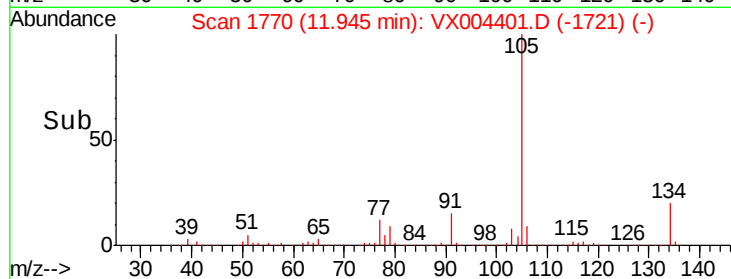
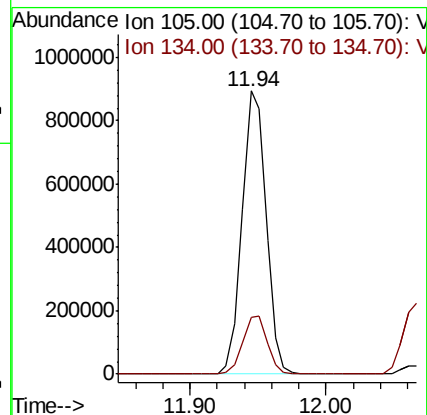
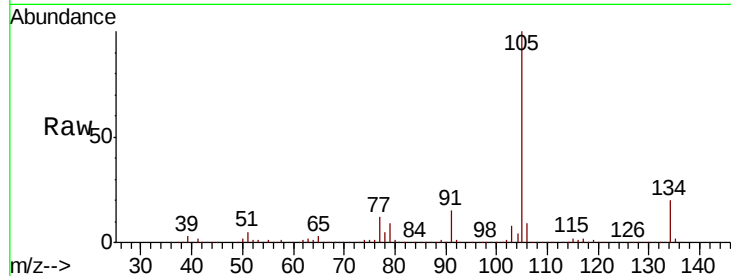
134 20.8 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 55.59 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

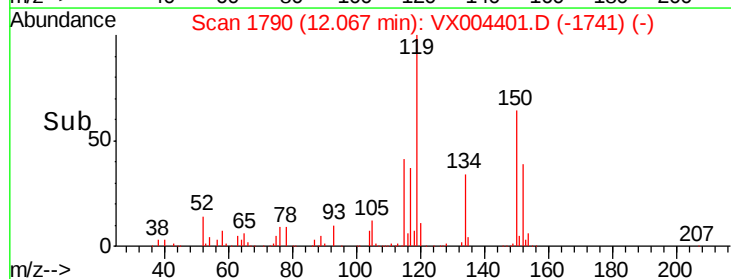
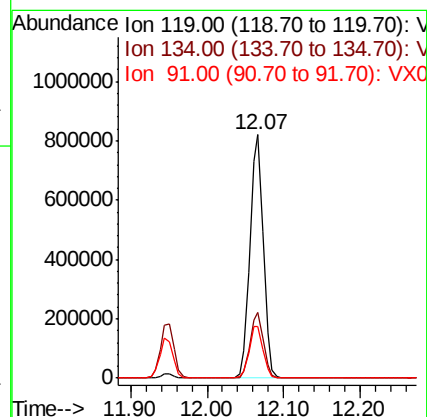
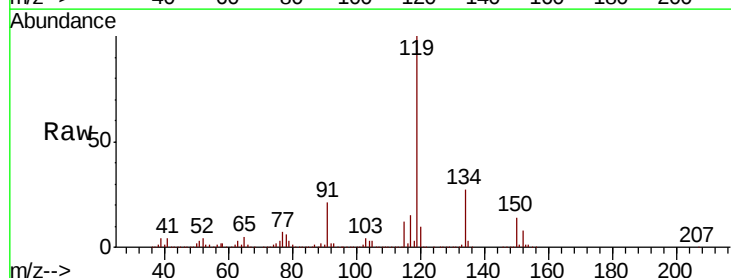
Tgt Ion:119 Resp: 989257

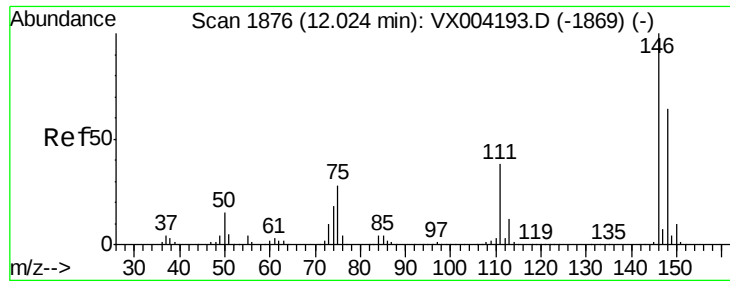
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 21.9 10.9 32.7





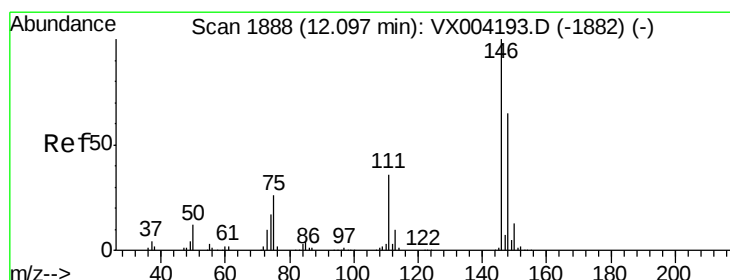
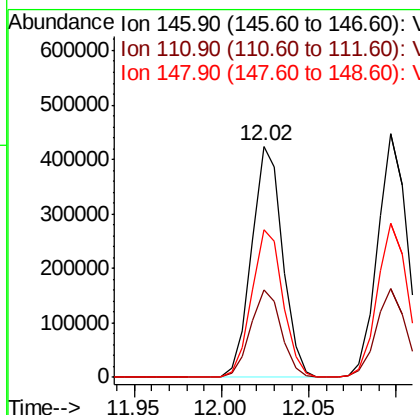
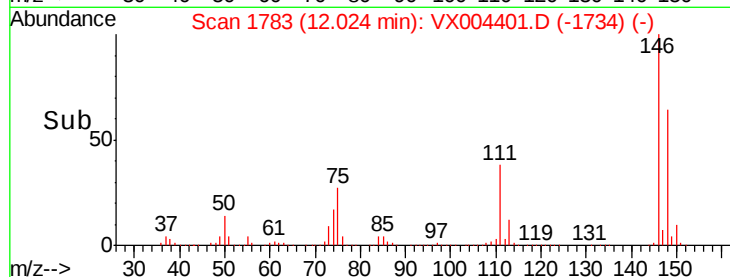
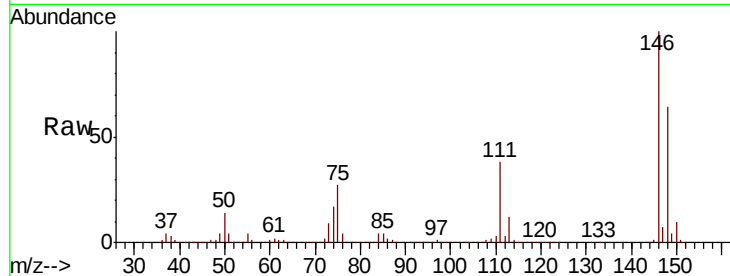
#87
 1,3-Dichlorobenzene
 Concen: 49.29 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.5	32.1	96.5

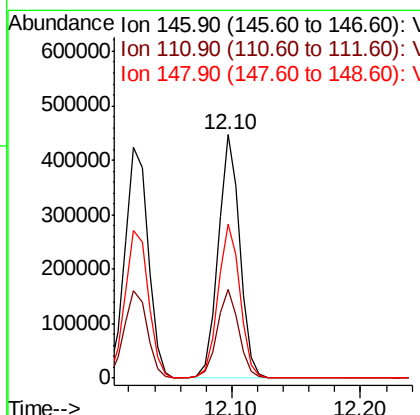
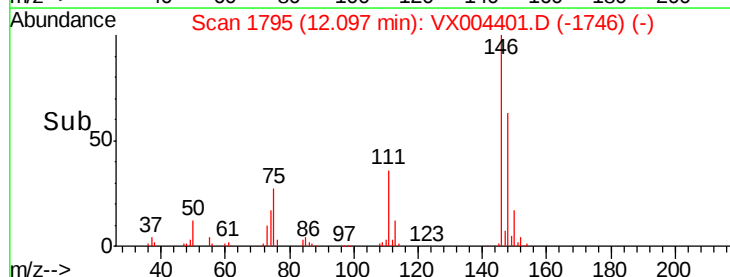
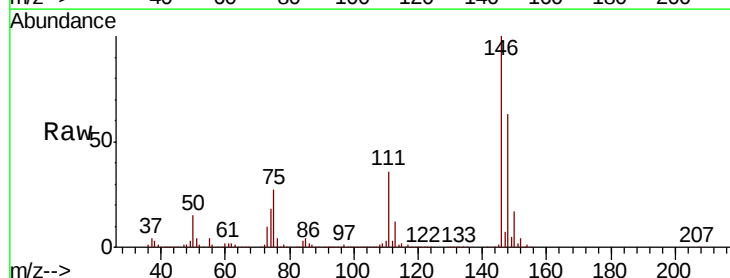
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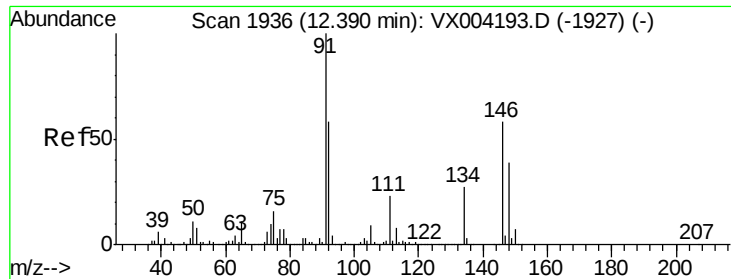
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#88
 1,4-Dichlorobenzene
 Concen: 47.01 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

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





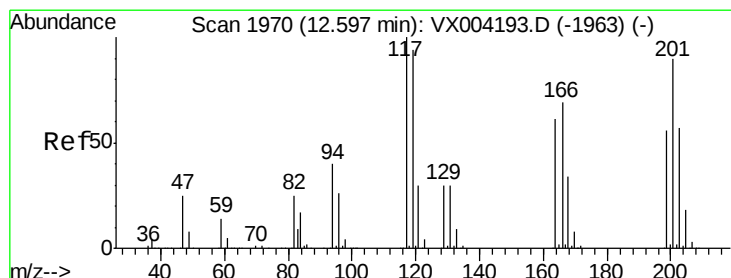
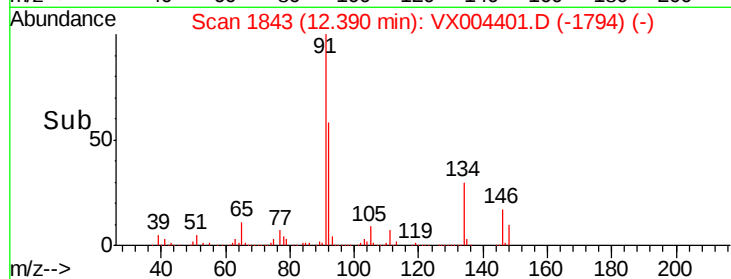
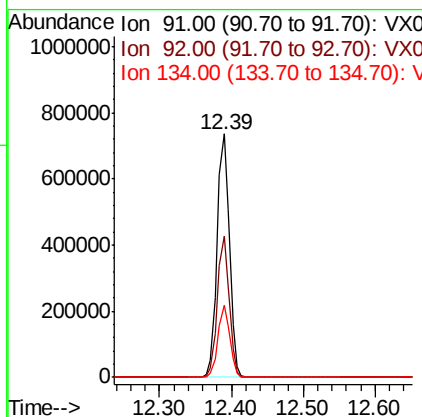
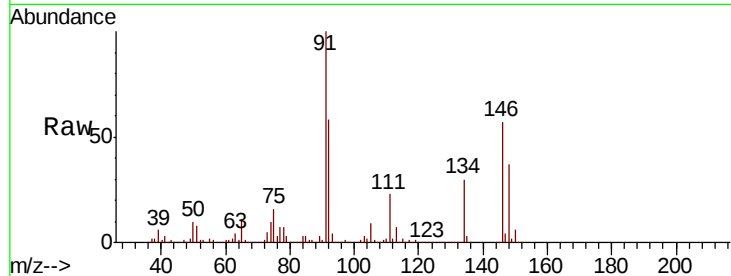
#89
n-Butylbenzene
Concen: 59.78 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.3	81.9
134	28.4	13.6	40.7

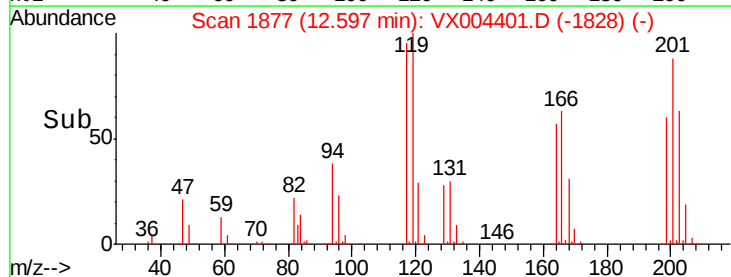
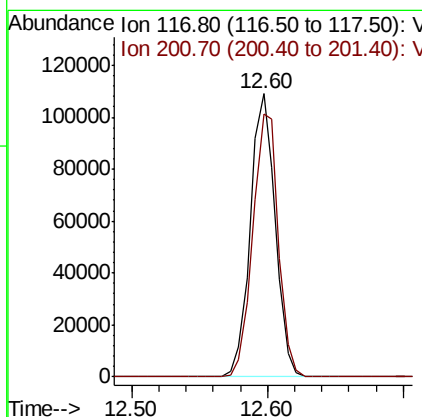
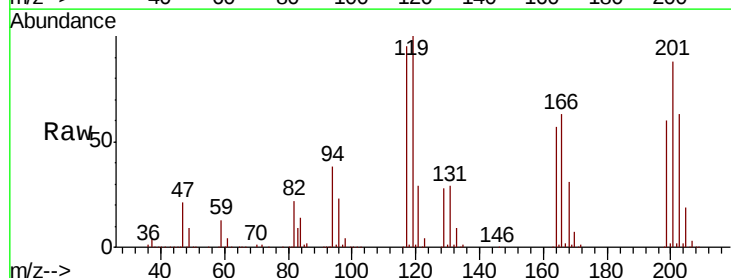
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#90
Hexachloroethane
Concen: 56.31 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 53.87 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Instrument :

MSVOA_X

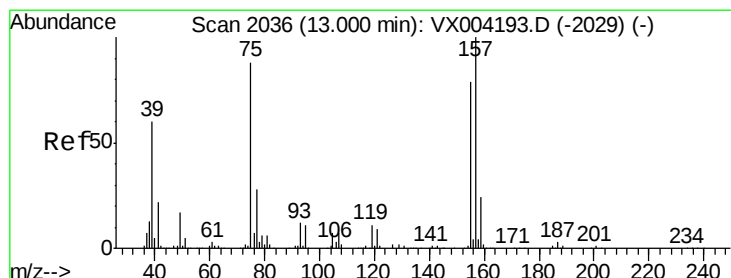
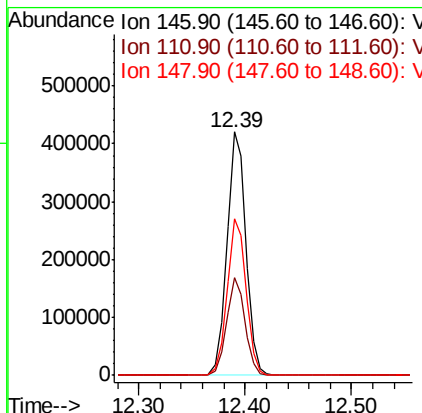
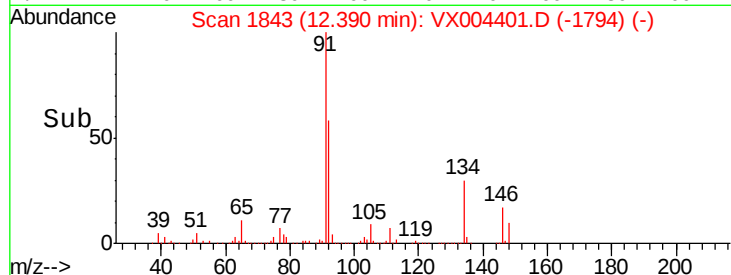
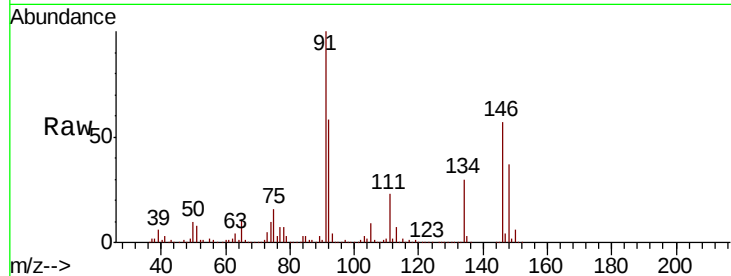
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	521885
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.4	58.1
148	64.4	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.89 ug/l

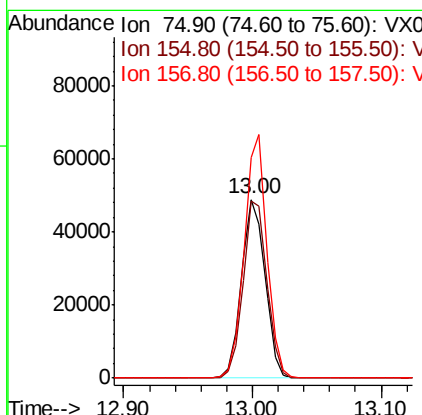
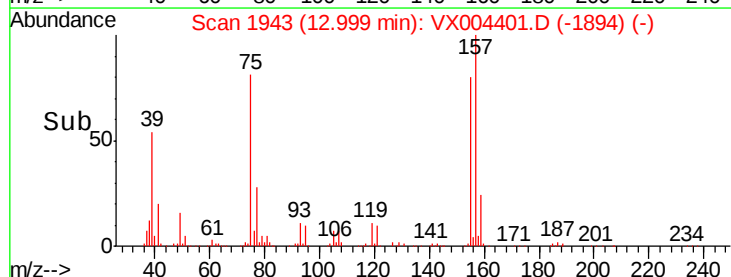
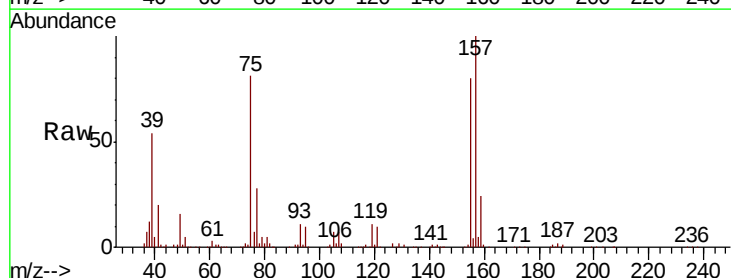
RT: 13.00 min Scan# 1943

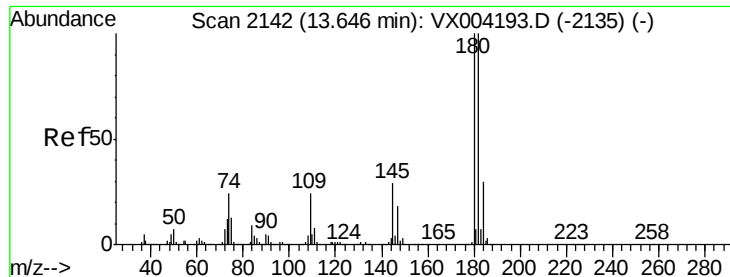
Delta R.T. -0.00 min

Lab File: VX004401.D

Acq: 07 Sep 2018 11:37

Tgt Ion:	75	Resp:	61723
Ion Ratio	Lower	Upper	
75	100		
155	99.4	48.0	144.2
157	129.6	61.4	184.1





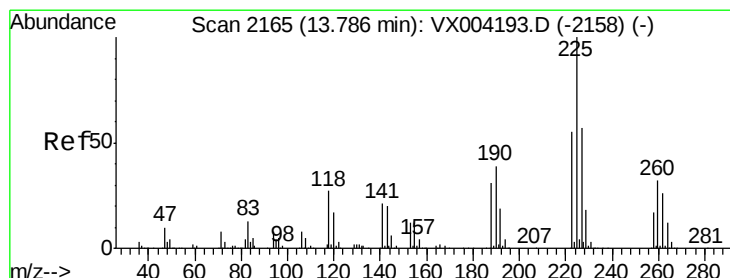
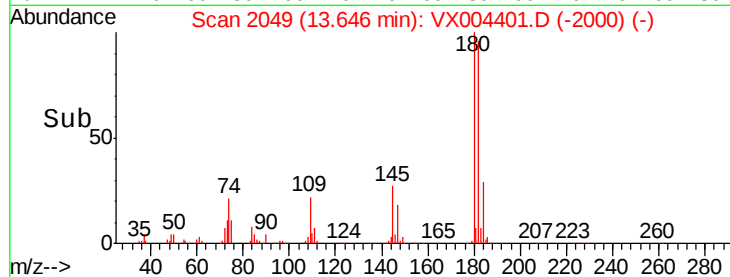
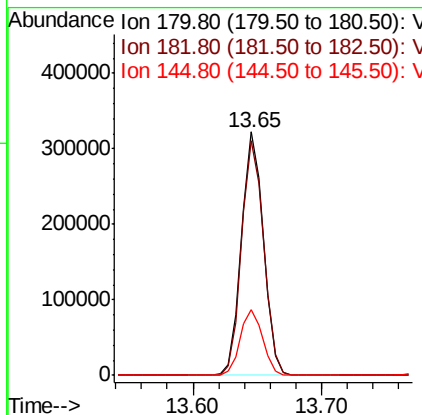
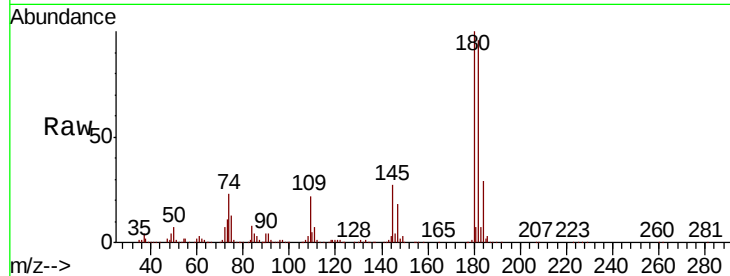
#93
 1,2,4-Trichlorobenzene
 Concen: 53.91 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	380025
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.4	145.0
145	27.6	14.3	42.9

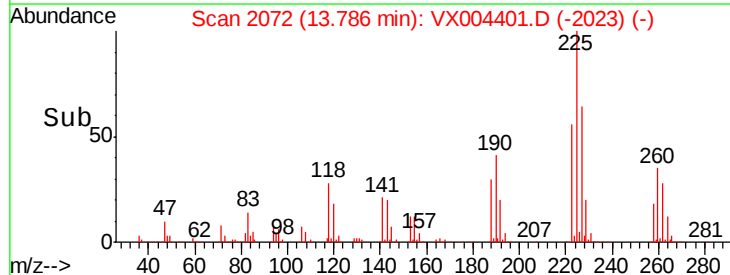
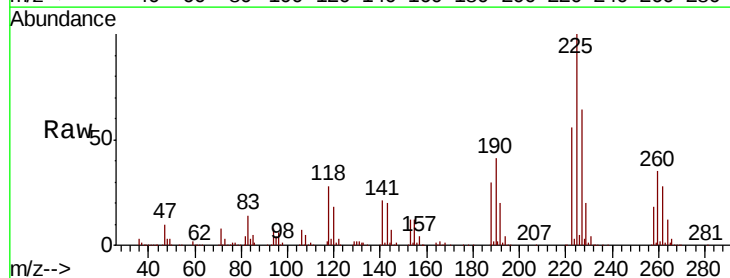
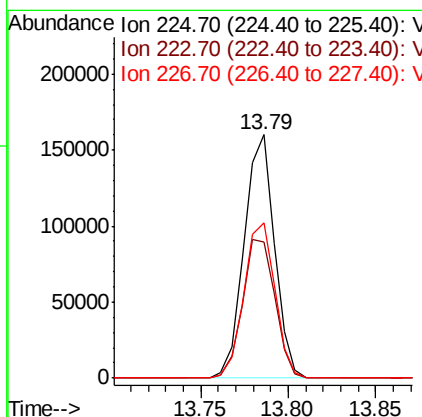
Manual Integrations
 APPROVED

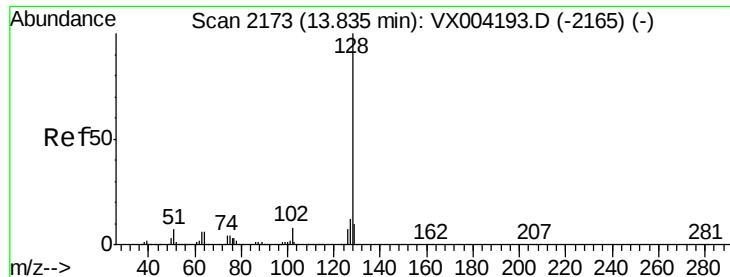
MMDadoda
 9/10/2018 11:15:25 AM



#94
 Hexachlorobutadiene
 Concen: 59.02 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004401.D
 Acq: 07 Sep 2018 11:37

Tgt Ion:	225	Resp:	193465
Ion Ratio	Lower	Upper	
225	100		
223	61.2	30.1	90.5
227	65.6	30.8	92.4





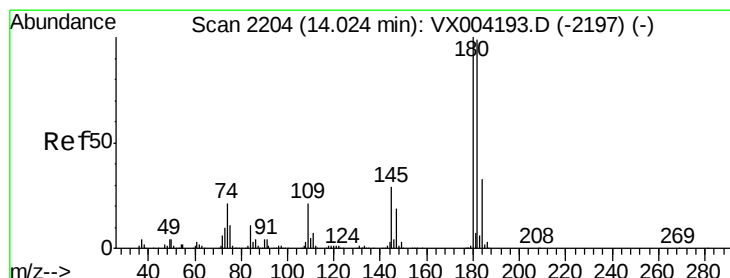
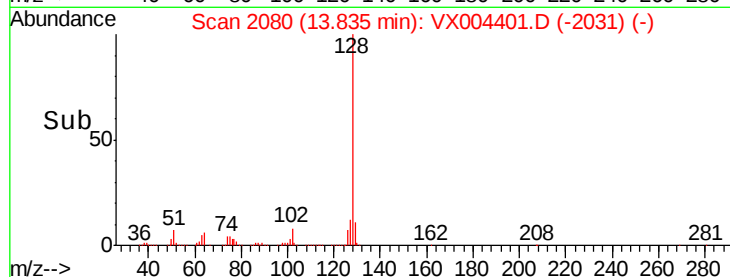
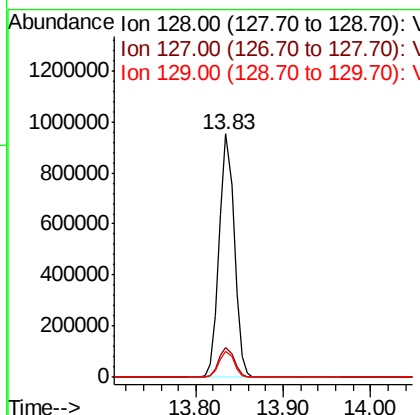
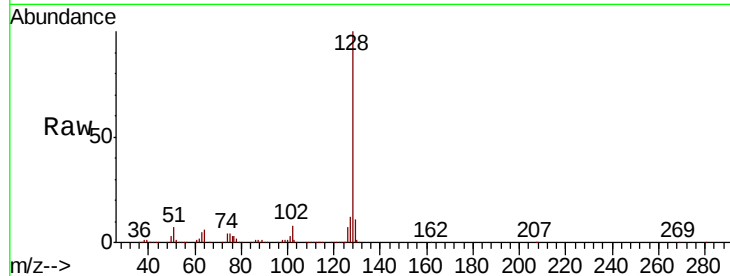
#95
Naphthalene
Concen: 56.42 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/10/2018 11:15:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.22 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004401.D
Acq: 07 Sep 2018 11:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.6
145	29.8	14.9	44.9

