

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004812.D
 Acq On : 28 Sep 2018 09:58
 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
 10/1/2018 1:31:26 PM

Quant Time: Sep 29 06:33:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	246863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357308	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	345542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218845	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	176187	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	5.50	113	142636	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	8.71	98	552360	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
62) 4-Bromofluorobenzene	11.14	95	204408	56.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	203713	60.523	ug/l	96
3) Chloromethane	1.32	50	209101	51.204	ug/l	99
4) Vinyl Chloride	1.40	62	208194	54.358	ug/l	99
5) Bromomethane	1.64	94	131319	57.819	ug/l	98
6) Chloroethane	1.71	64	119879	57.796	ug/l	100
7) Trichlorofluoromethane	1.92	101	270166	56.978	ug/l	97
8) Diethyl Ether	2.18	74	104291	50.630	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.38	101	154777	57.305	ug/l	98
10) Methyl Iodide	2.51	142	114069	31.561	ug/l	98
11) Tert butyl alcohol	3.07	59	244861	248.331	ug/l	99
12) 1,1-Dichloroethene	2.37	96	140795	52.637	ug/l	96
13) Acrolein	2.29	56	141200	201.268	ug/l	97
14) Allyl chloride	2.73	41	318932	54.647	ug/l	95
15) Acrylonitrile	3.15	53	556506	256.381	ug/l	98
16) Acetone	2.45	43	566205	275.016	ug/l	96
17) Carbon Disulfide	2.57	76	421683	52.464	ug/l	98
18) Methyl Acetate	2.78	43	281017	53.874	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	503766	54.600	ug/l	97
20) Methylene Chloride	2.85	84	162102	54.224	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	153061	52.273	ug/l	96
22) Diisopropyl ether	3.87	45	532597	54.193	ug/l	91
23) Vinyl Acetate	3.82	43	2417849	268.771	ug/l	95
24) 1,1-Dichloroethane	3.69	63	303127	51.707	ug/l	98
25) 2-Butanone	4.70	43	780228	257.099	ug/l	93
26) 2,2-Dichloropropane	4.58	77	227565	55.744	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	165061	50.461	ug/l	94
28) Bromochloromethane	5.01	49	130501	47.272	ug/l	89
29) Tetrahydrofuran	5.15	42	493021	261.383	ug/l	91
30) Chloroform	5.21	83	275890	49.795	ug/l	100
31) Cyclohexane	5.57	56	265739	59.226	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	238567	52.724	ug/l	99
36) 1,1-Dichloropropene	5.80	75	213223	51.607	ug/l	99
37) Ethyl Acetate	4.85	43	269088	49.065	ug/l	97
38) Carbon Tetrachloride	5.78	117	211320	48.657	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	265038	62.822	ug/l	94
40) Benzene	6.14	78	633778	48.998	ug/l	98
41) Methacrylonitrile	5.06	41	154361	50.752	ug/l	94
42) 1,2-Dichloroethane	6.20	62	223872	48.959	ug/l	96
43) Isopropyl Acetate	6.46	43	403498	50.974	ug/l	96
44) Trichloroethene	7.21	130	169115	53.184	ug/l	93
45) 1,2-Dichloropropane	7.51	63	170850	53.861	ug/l	99
46) Dibromomethane	7.66	93	107585	53.968	ug/l	97
47) Bromodichloromethane	7.90	83	207153	55.502	ug/l	98
48) Methyl methacrylate	7.77	41	215172	59.889	ug/l	94
49) 1,4-Dioxane	7.75	88	92685	1038.361	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1438631	288.641	ug/l	95
52) Toluene	8.79	92	397496	55.926	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	238890	56.640	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	259681	58.781	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	160651	51.601	ug/l	95
56) Ethyl methacrylate	9.18	69	256575	50.741	ug/l	94
57) 1,3-Dichloropropane	9.37	76	273861	52.853	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	725839	269.404	ug/l	93
59) 2-Hexanone	9.50	43	1162228	279.826	ug/l	93
60) Dibromochloromethane	9.59	129	166040	53.328	ug/l	99
61) 1,2-Dibromoethane	9.67	107	167439	50.218	ug/l	99
64) Tetrachloroethene	9.34	164	161151	47.385	ug/l	97
65) Chlorobenzene	10.14	112	440922	49.762	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	156737	50.316	ug/l	99
67) Ethyl Benzene	10.25	91	762225	54.184	ug/l	97
68) m/p-Xylenes	10.36	106	600437	109.227	ug/l	96
69) o-Xylene	10.70	106	284584	56.363	ug/l	97
70) Styrene	10.71	104	483028	51.101	ug/l	97
71) Bromoform	10.86	173	136541	51.199	ug/l	# 99
73) Isopropylbenzene	11.02	105	772470	56.000	ug/l	99
74) N-amyl acetate	10.90	43	373603	49.301	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	267247	47.594	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	249486m	50.862	ug/l	
77) Bromobenzene	11.26	156	203026	50.673	ug/l	97
78) n-propylbenzene	11.36	91	913039	57.688	ug/l	99
79) 2-Chlorotoluene	11.42	91	525761	53.294	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	661477	52.330	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	80891	45.177	ug/l	99
82) 4-Chlorotoluene	11.51	91	637746	54.922	ug/l	99
83) tert-Butylbenzene	11.77	119	652297	57.435	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	685854	52.614	ug/l	97
85) sec-Butylbenzene	11.94	105	796150	57.553	ug/l	98
86) p-Isopropyltoluene	12.07	119	726832	57.993	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	383664	51.282	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	390616	50.578	ug/l	99
89) n-Butylbenzene	12.39	91	667953	58.683	ug/l	98
90) Hexachloroethane	12.60	117	114988	55.104	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	385323	49.284	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	63636	51.615	ug/l	94

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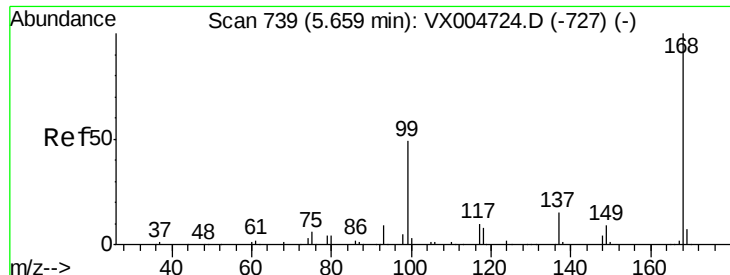
Manual Integrations
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10/1/2018 1:31:26 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	298331	54.395	ug/l	99
94) Hexachlorobutadiene	13.79	225	150464	52.905	ug/l	97
95) Naphthalene	13.83	128	913863	50.200	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	299157	52.802	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 246863

Ion Ratio Lower Upper

168 100

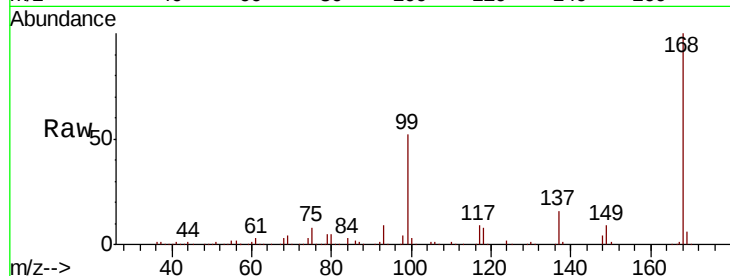
99 52.2 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

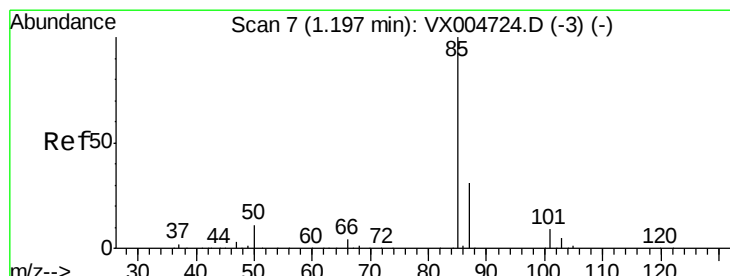
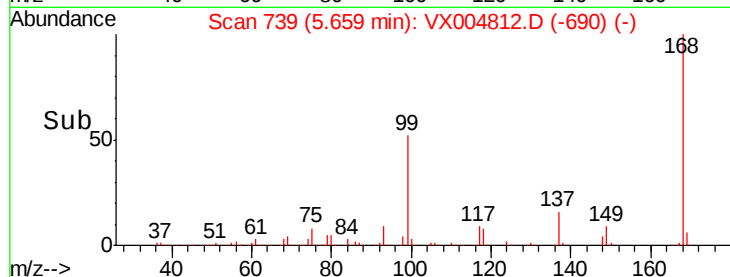
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 60.523 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004812.D

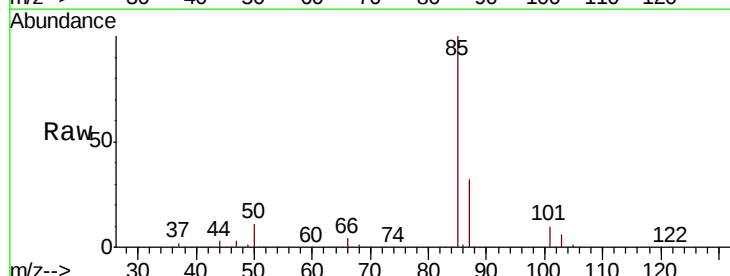
Acq: 28 Sep 2018 09:58

Tgt Ion: 85 Resp: 203713

Ion Ratio Lower Upper

85 100

87 31.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

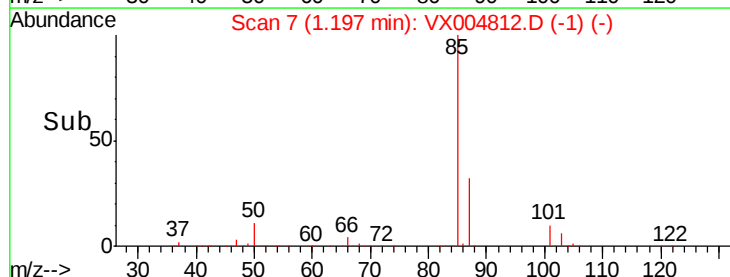
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50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 51.204 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 209101

Ion Ratio Lower Upper

50 100

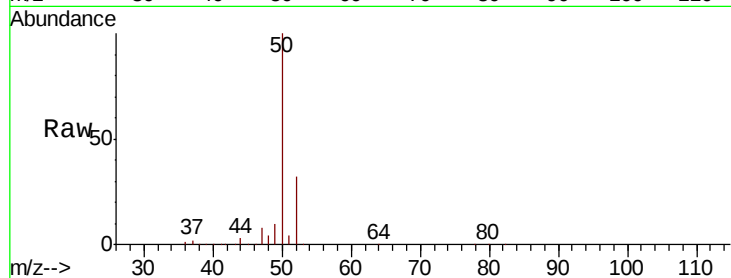
52 31.9 26.2 39.2

Manual Integrations

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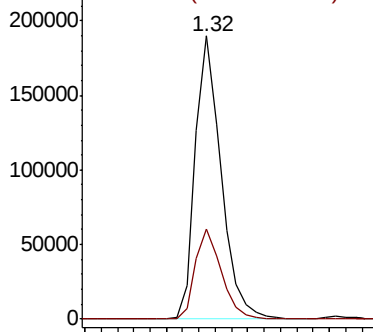
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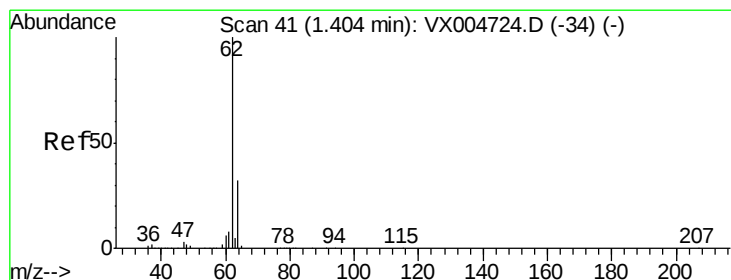
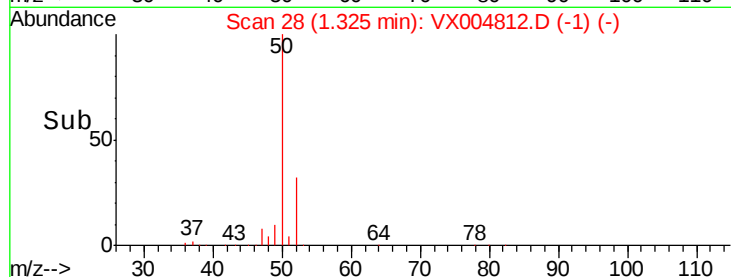


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 54.358 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004812.D

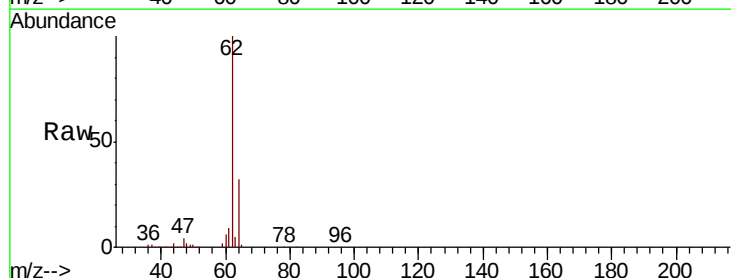
Acq: 28 Sep 2018 09:58

Tgt Ion: 62 Resp: 208194

Ion Ratio Lower Upper

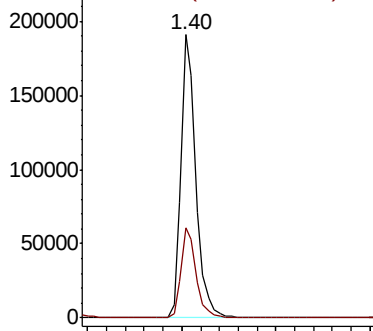
62 100

64 31.8 25.8 38.8

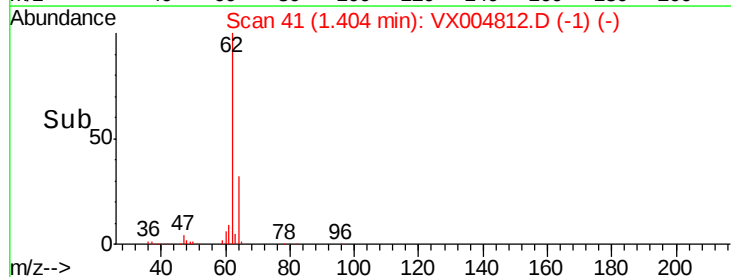


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 57.819 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 131319

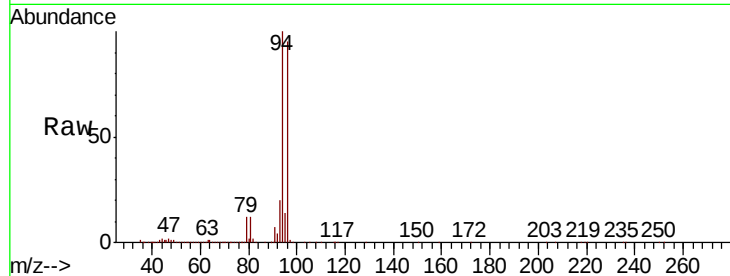
Ion Ratio Lower Upper

94 100

96 95.1 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150000

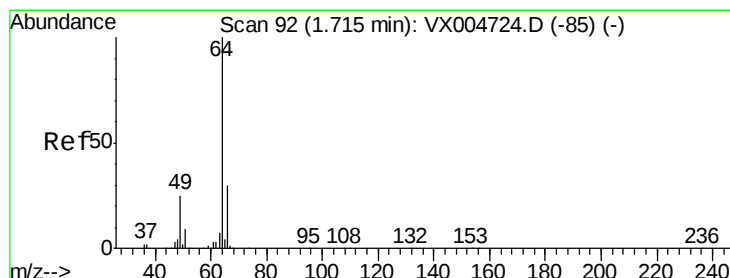
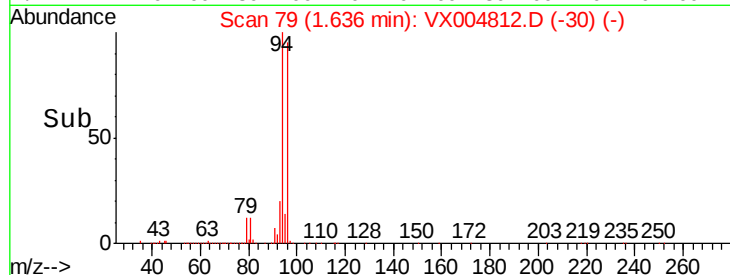
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 57.796 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004812.D

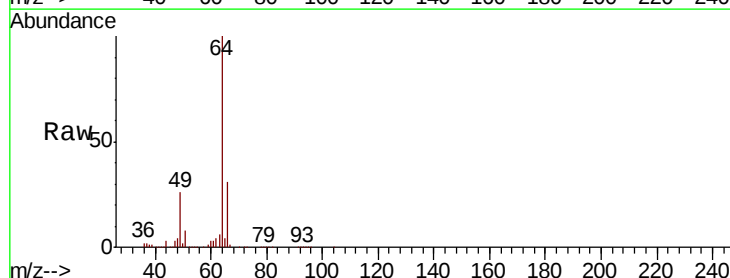
Acq: 28 Sep 2018 09:58

Tgt Ion: 64 Resp: 119879

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

100000

80000

60000

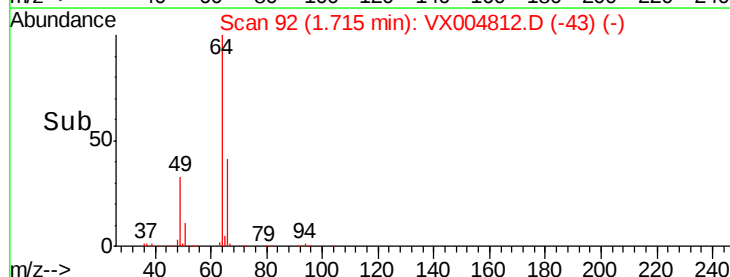
40000

20000

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1.65 1.70 1.75 1.80 1.85

Time-->





#7

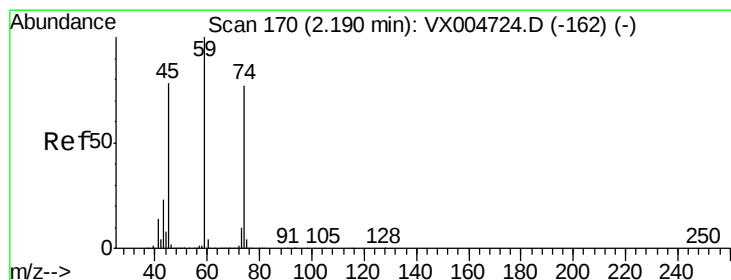
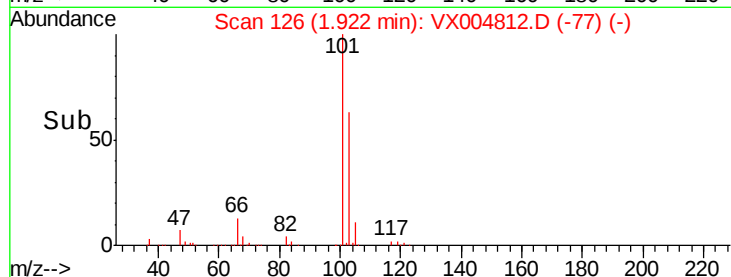
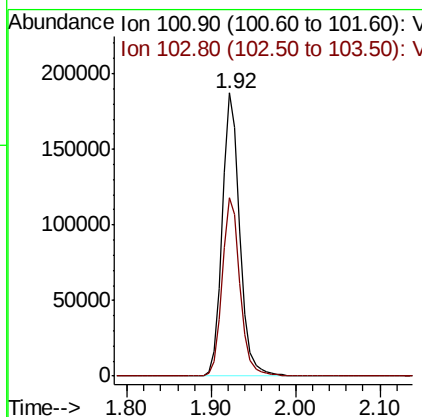
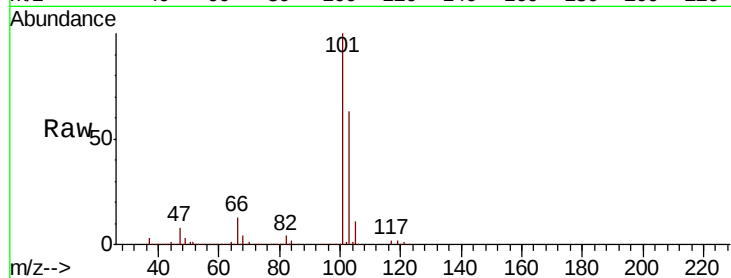
Trichlorofluoromethane
Concen: 56.978 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	270166		
103	63.1	48.9	73.3	

Manual Integrations
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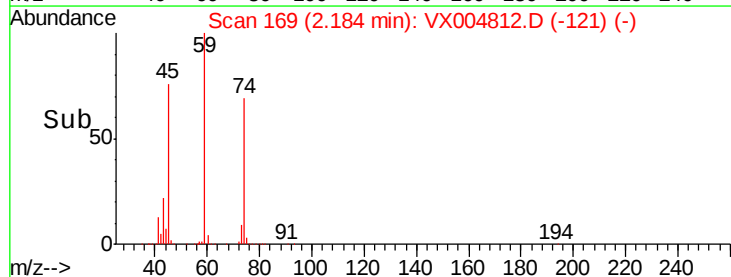
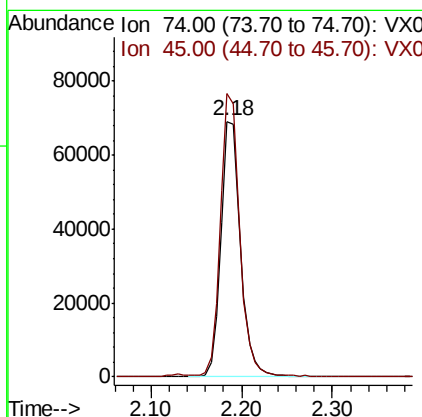
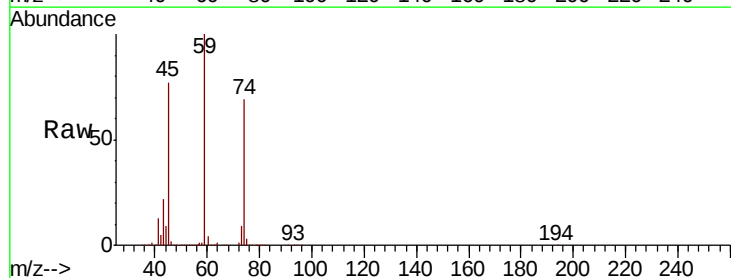
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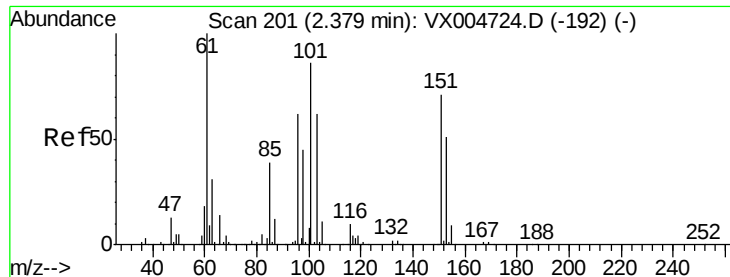


#8

Diethyl Ether
Concen: 50.630 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	104291		
45	109.0	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.305 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

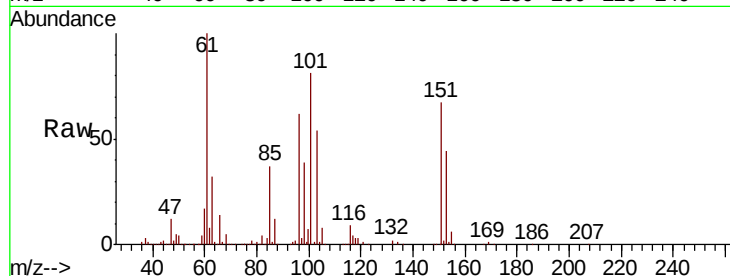
ClientSampled :

VSTDCCC050

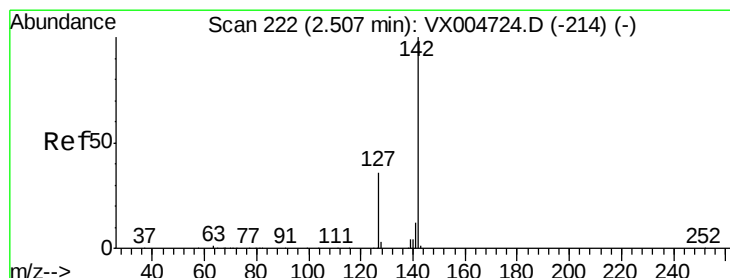
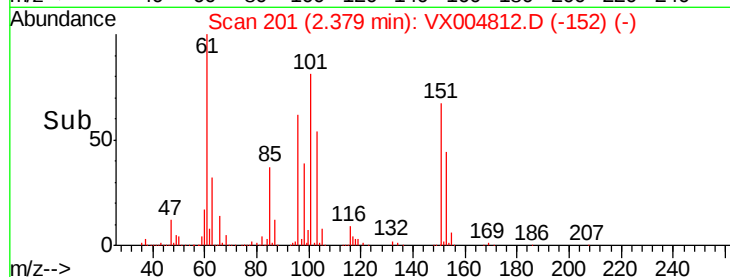
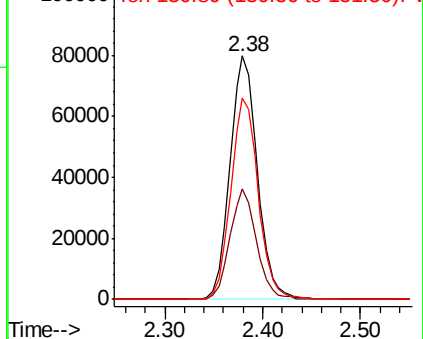
Tot Ion:	101	Resp:	154777
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.2	51.4
151	82.8	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 31.561 ug/l

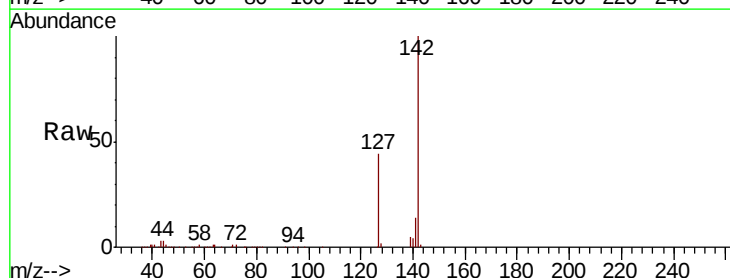
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

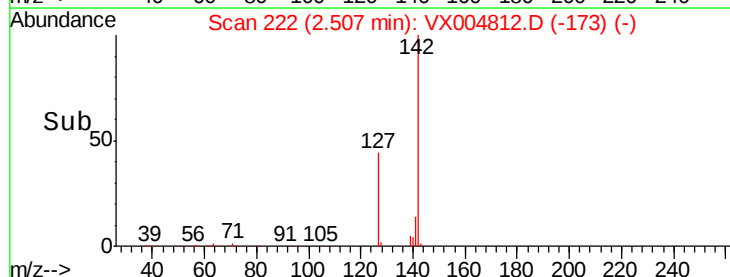
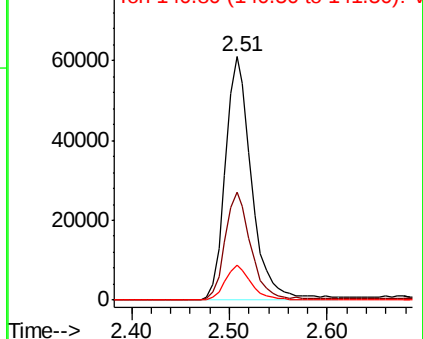
Lab File: VX004812.D

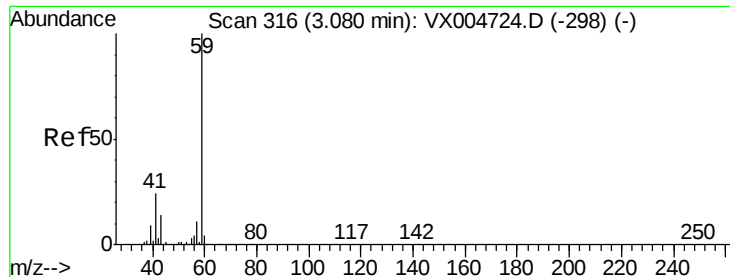
Acq: 28 Sep 2018 09:58

Tgt Ion:	142	Resp:	114069
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.2	11.4	17.0



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





#11

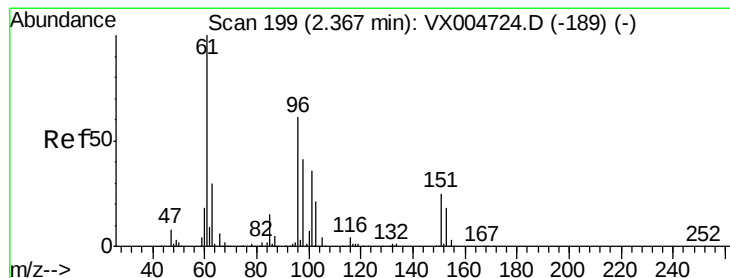
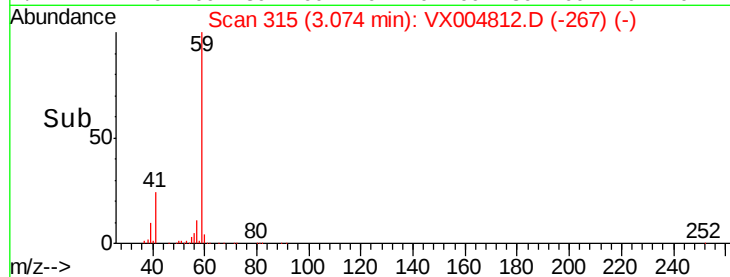
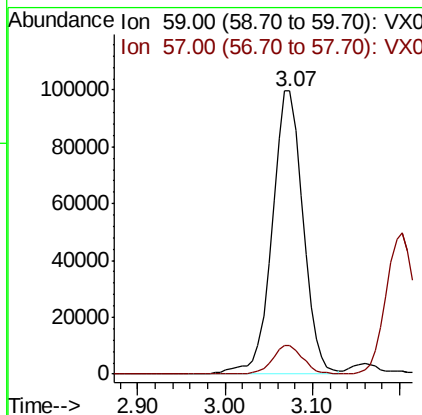
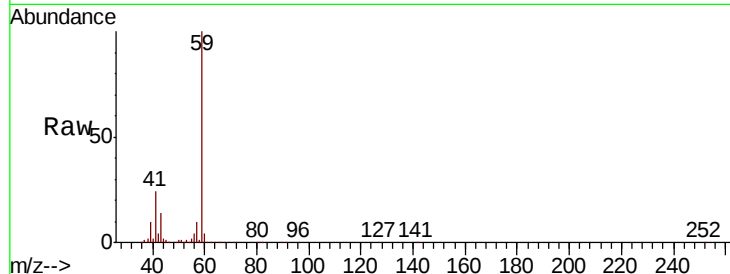
Tert butyl alcohol
Concen: 248.331 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
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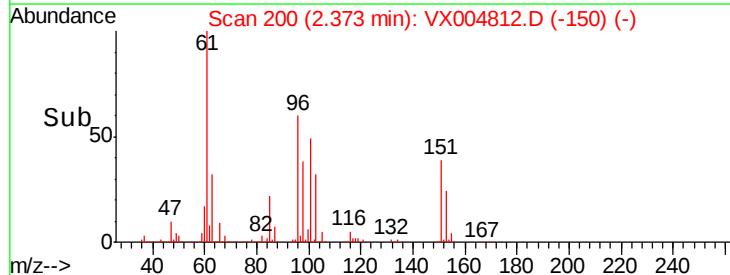
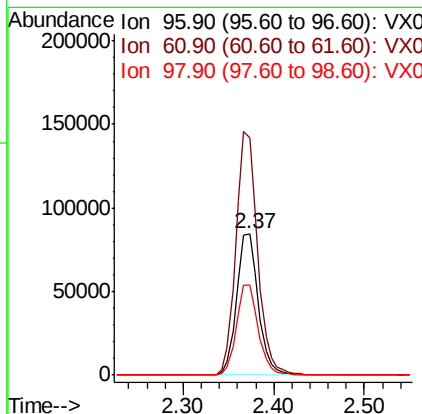
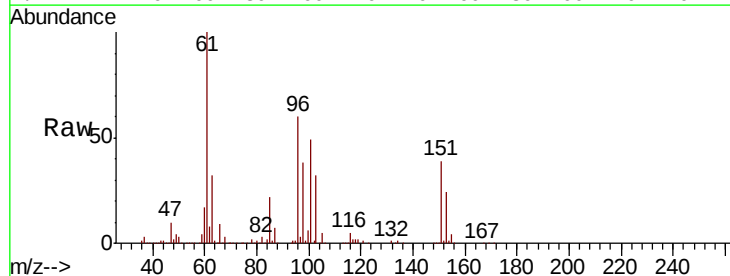
MMDadoda
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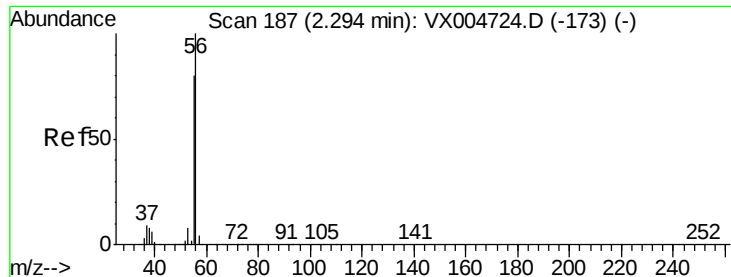


#12

1,1-Dichloroethene
Concen: 52.637 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.1	128.8	193.2
98	63.7	52.2	78.2





#13

Acrolein

Concen: 201.268 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 141200

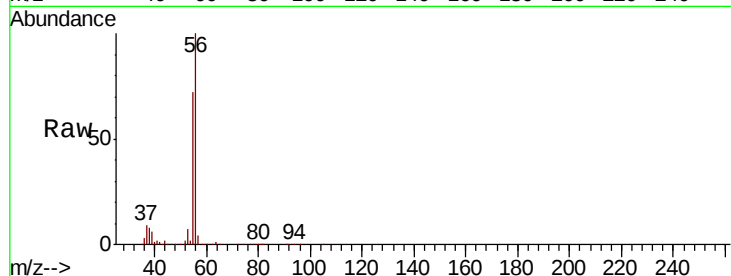
Ion Ratio Lower Upper

56 100

55 70.4 54.7 82.1

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100000

80000

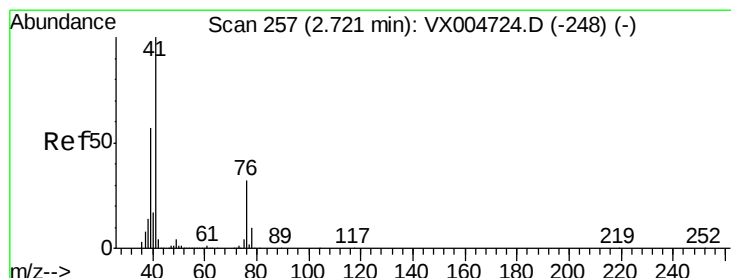
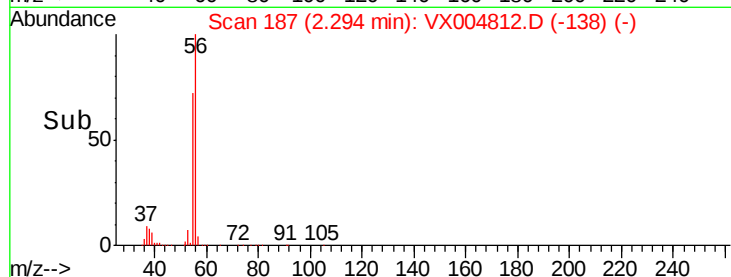
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 54.647 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

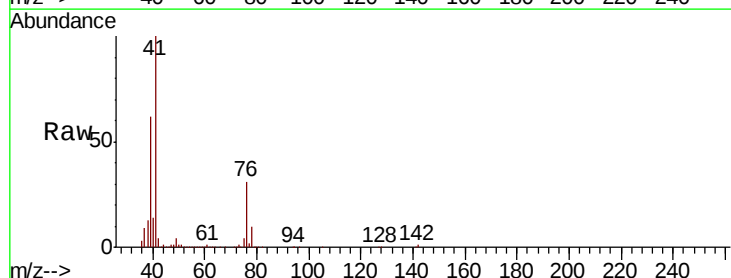
Tgt Ion: 41 Resp: 318932

Ion Ratio Lower Upper

41 100

39 58.8 48.9 73.3

76 28.2 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

250000

200000

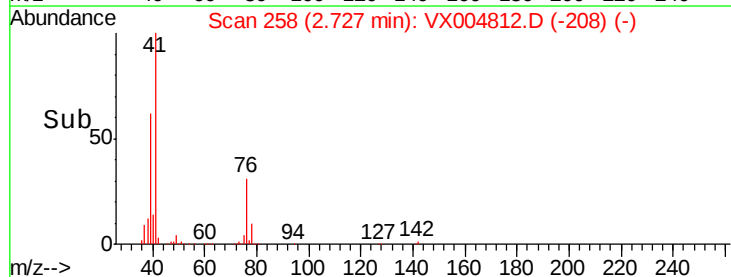
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 256.381 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

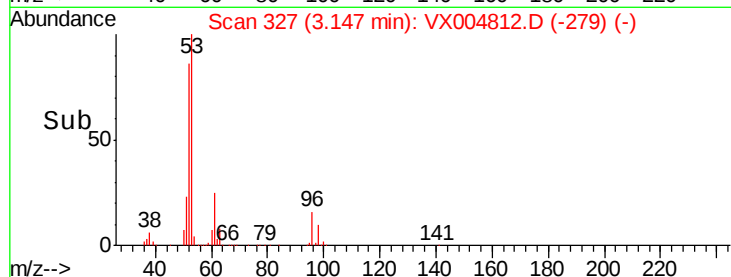
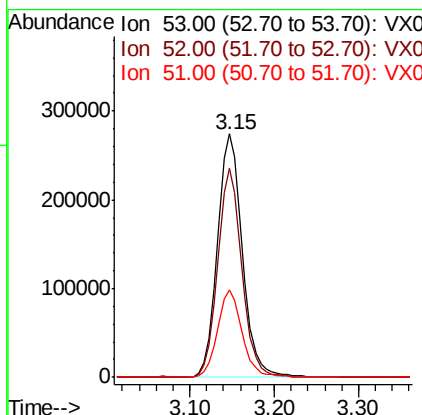
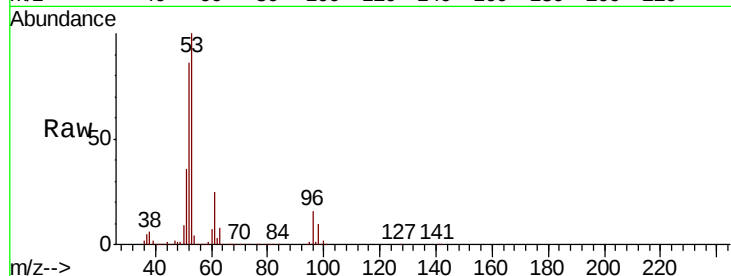
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	556506
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.2	97.8
51	35.8	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 275.016 ug/l

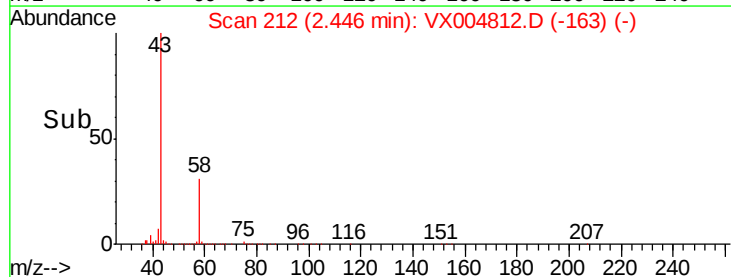
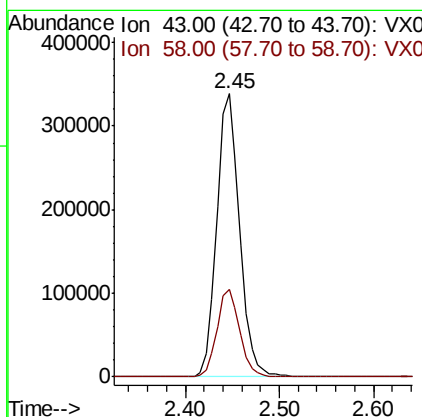
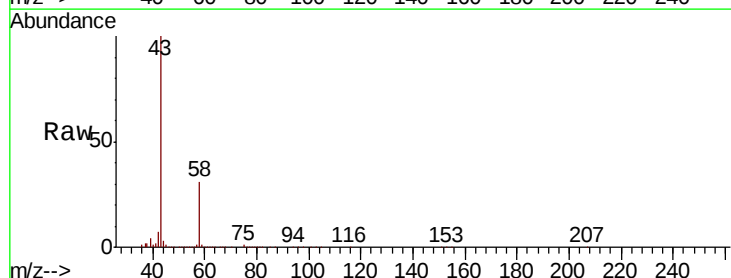
RT: 2.45 min Scan# 212

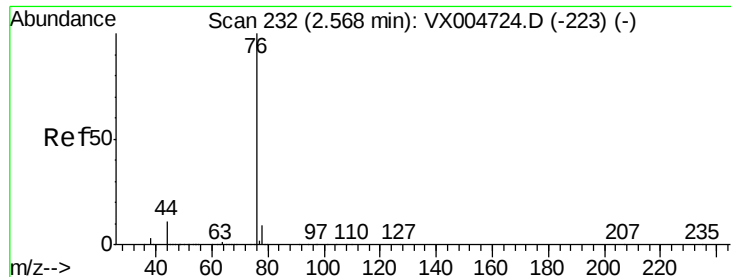
Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion	43	Resp	566205
Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.2	39.4





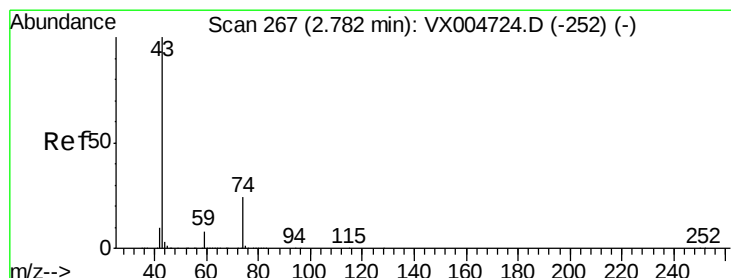
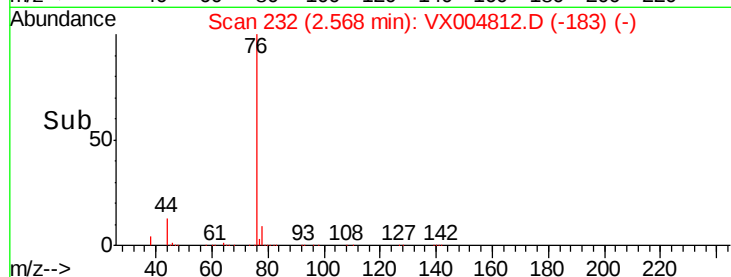
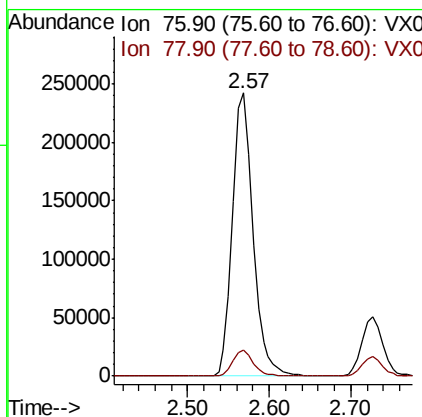
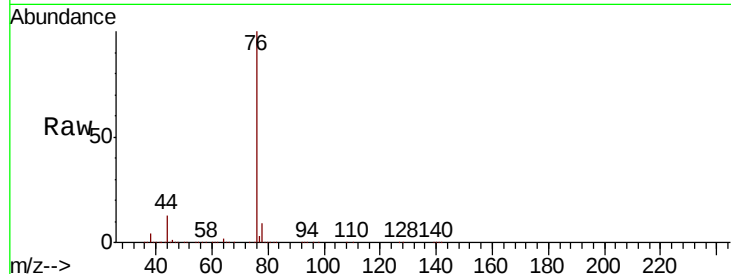
#17
Carbon Disulfide
Concen: 52.464 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

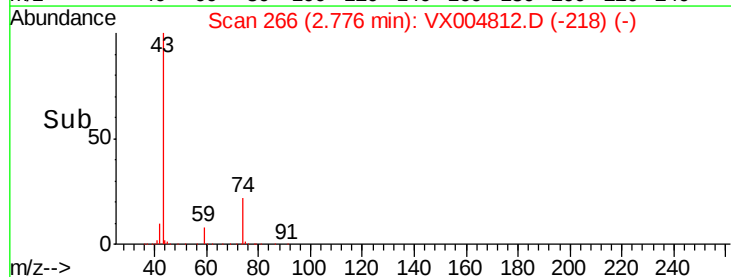
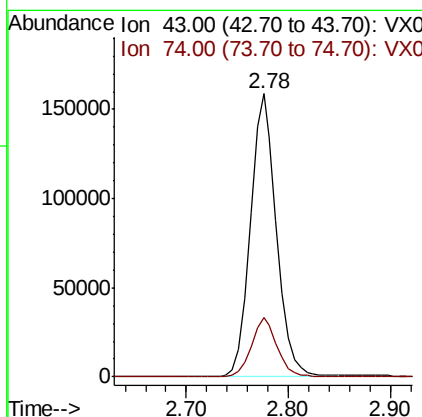
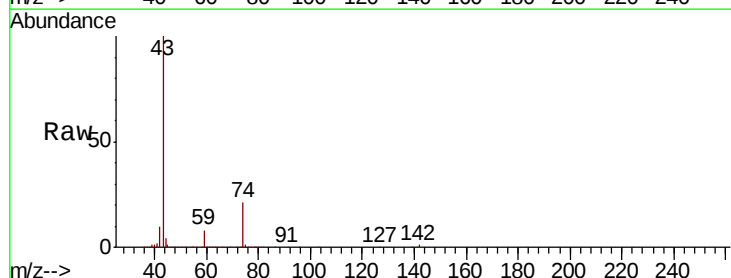
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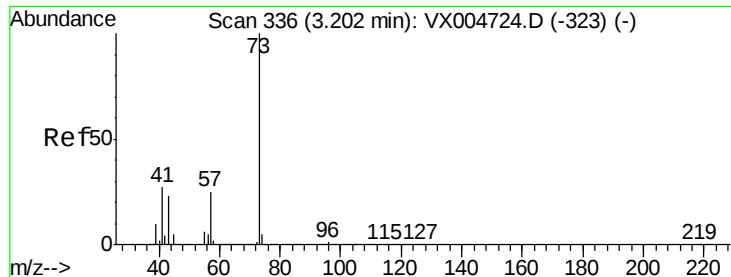
MMDadoda
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#18
Methyl Acetate
Concen: 53.874 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	19.4	29.2





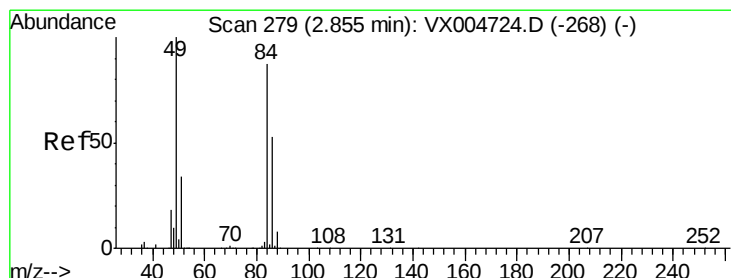
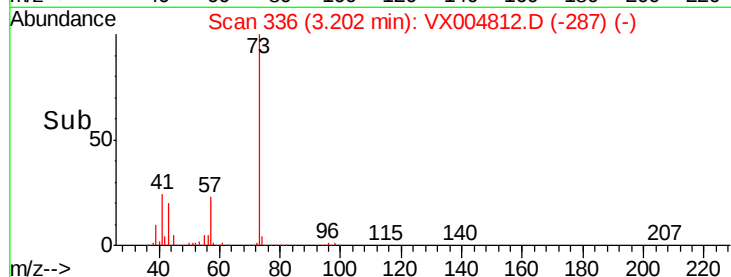
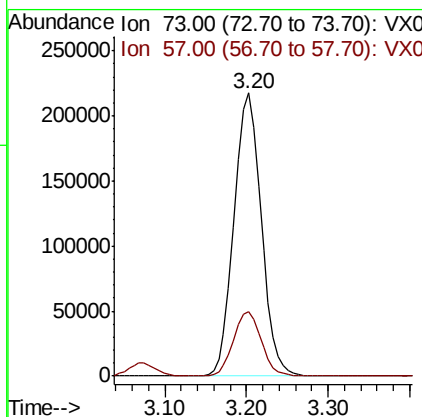
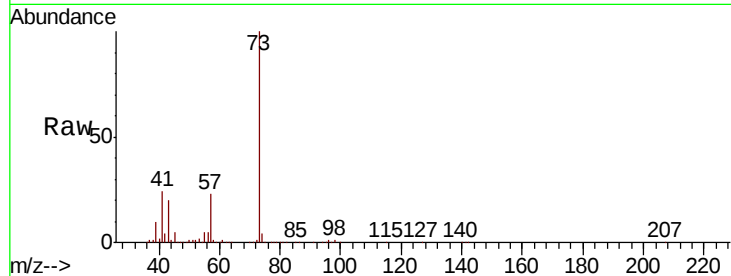
#19
Methvl tert-butvl Ether
Concen: 54.600 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.1	25.7

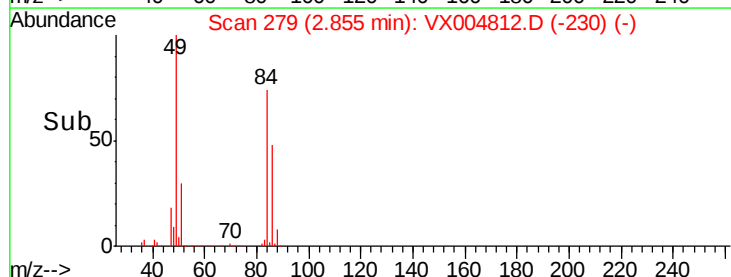
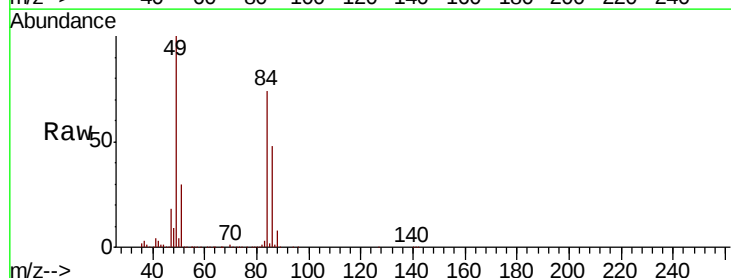
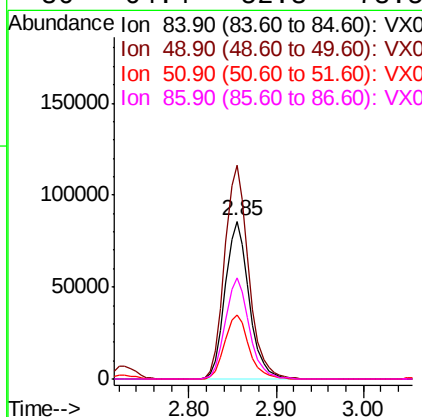
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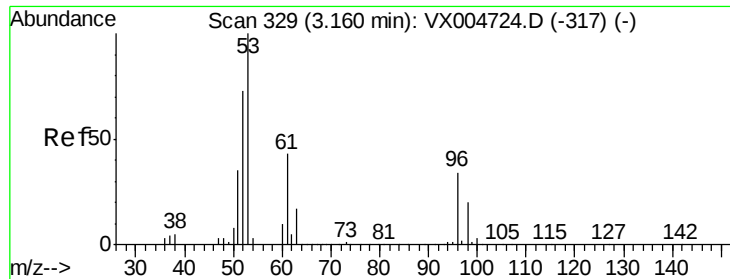
MMDadoda
10/1/2018 1:31:26 PM



#20
Methylene Chloride
Concen: 54.224 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.6	101.2	151.8
51	40.9	29.5	44.3
86	64.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 52.273 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

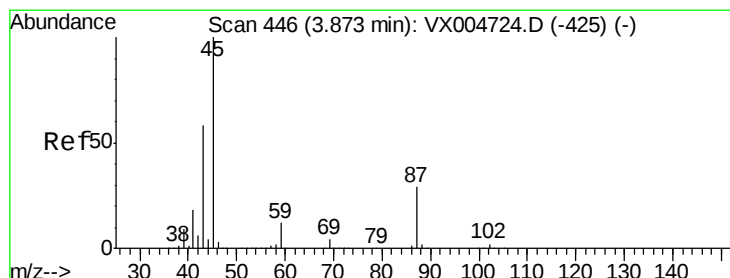
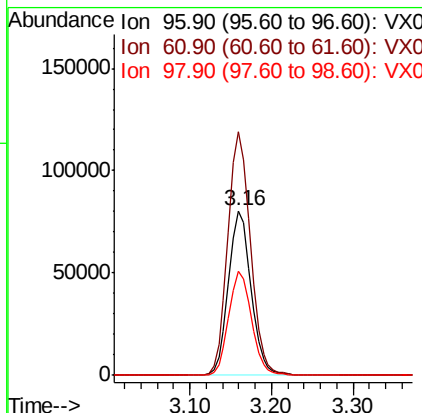
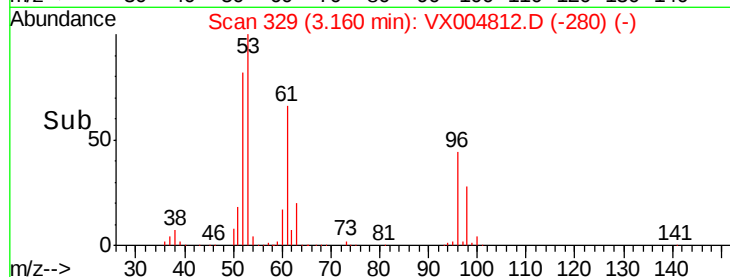
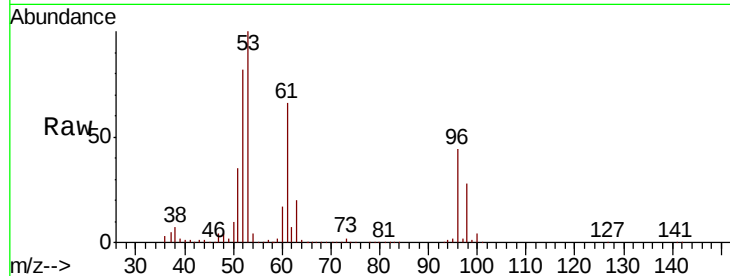
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	153061
Ion	Ratio	Lower	Upper
96	100		
61	148.1	113.8	170.6
98	63.6	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.193 ug/l

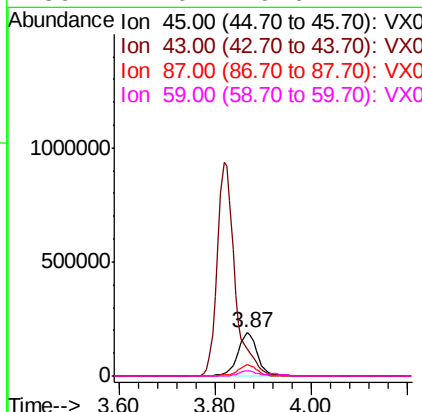
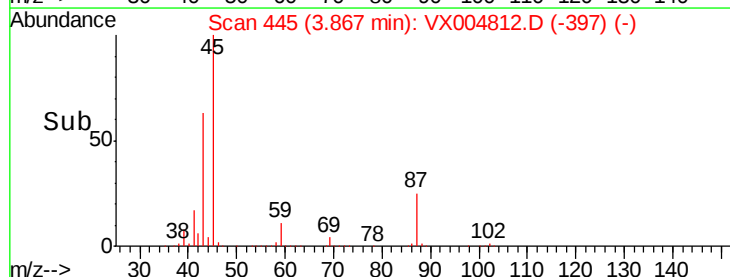
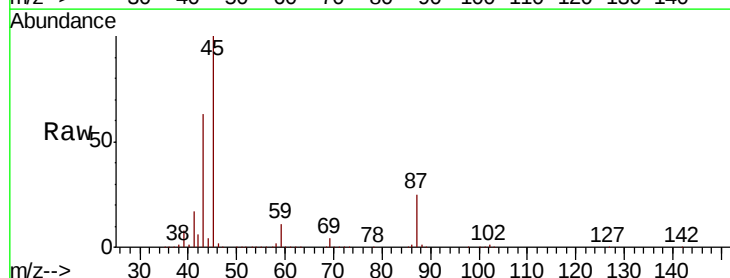
RT: 3.87 min Scan# 445

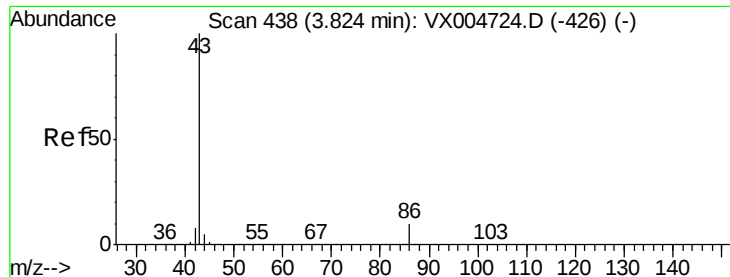
Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion:	45	Resp:	532597
Ion	Ratio	Lower	Upper
45	100		
43	62.5	42.8	64.2
87	25.4	22.6	34.0
59	11.0	9.6	14.4





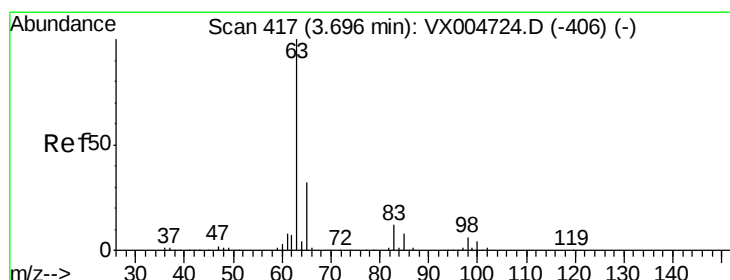
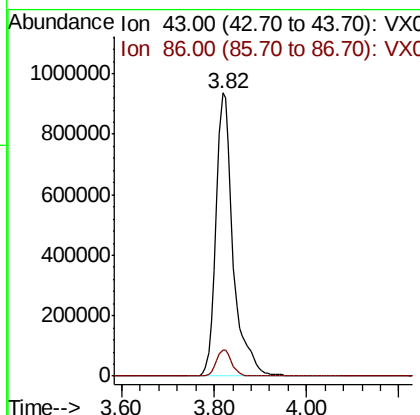
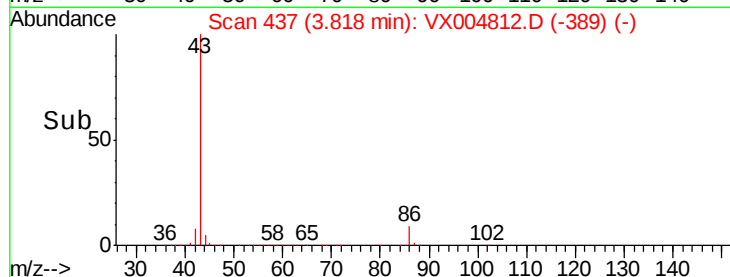
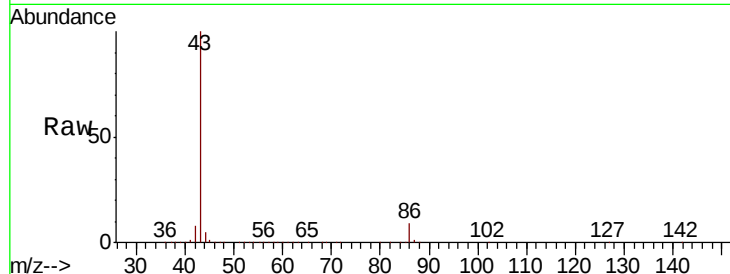
#23
 Vinyl Acetate
 Concen: 268.771 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 2417849
 Ion Ratio Lower Upper
 43 100
 86 9.3 8.9 13.3

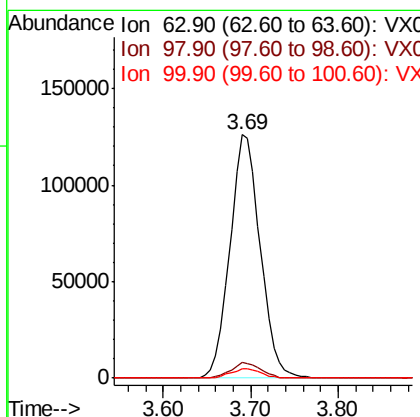
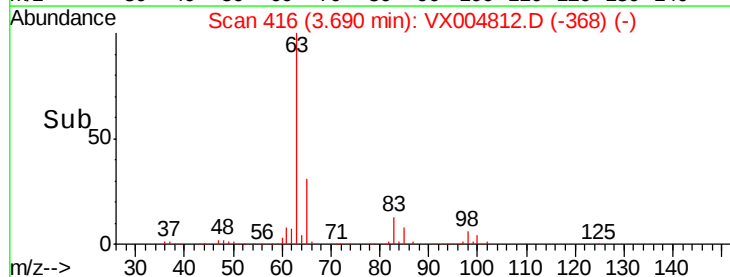
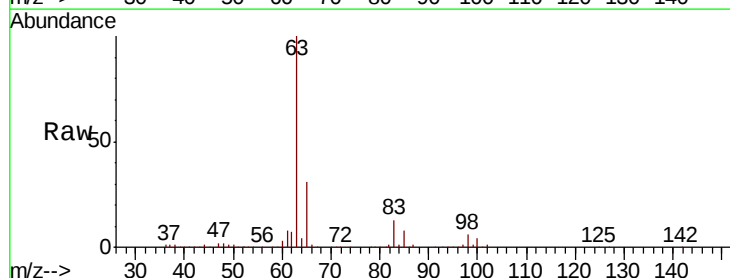
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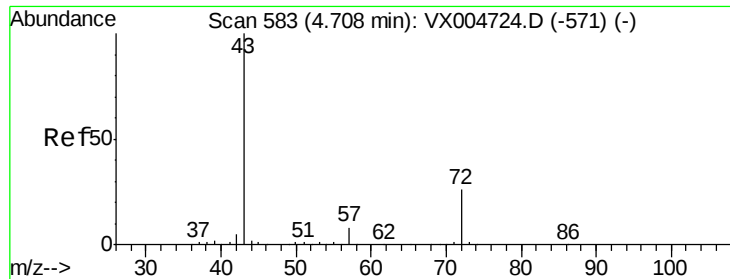
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#24
 1,1-Dichloroethane
 Concen: 51.707 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Tgt Ion: 63 Resp: 303127
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.5 10.4
 100 3.8 2.4 7.1





#25

2-Butanone

Concen: 257.099 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 780228

Ion Ratio Lower Upper

43 100

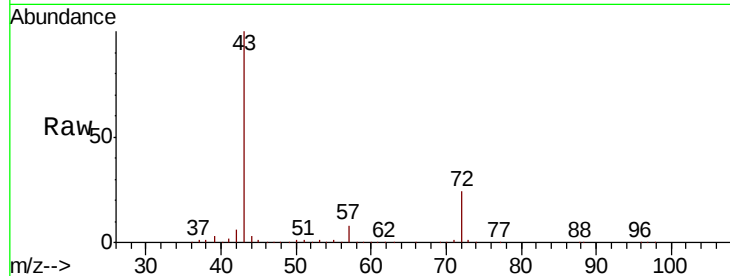
72 23.8 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

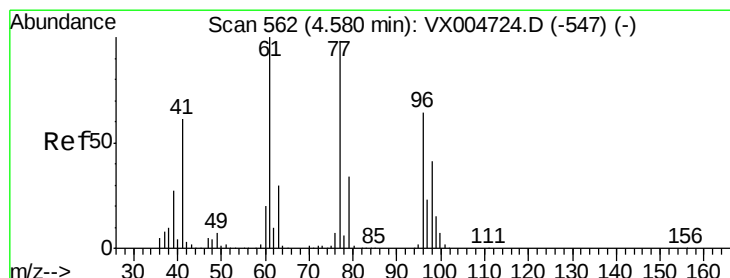
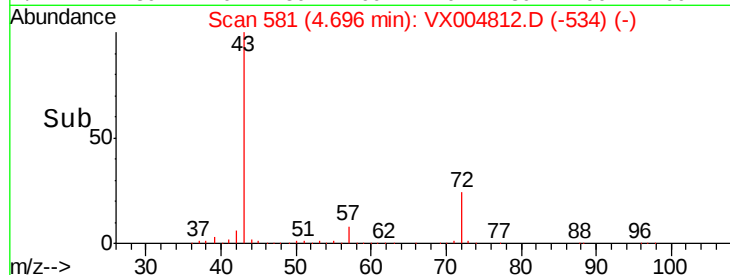
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 55.744 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004812.D

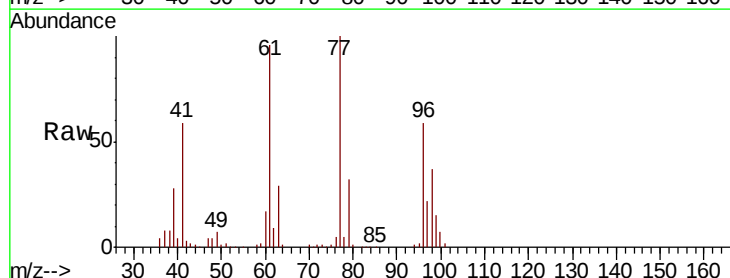
Acq: 28 Sep 2018 09:58

Tgt Ion: 77 Resp: 227565

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

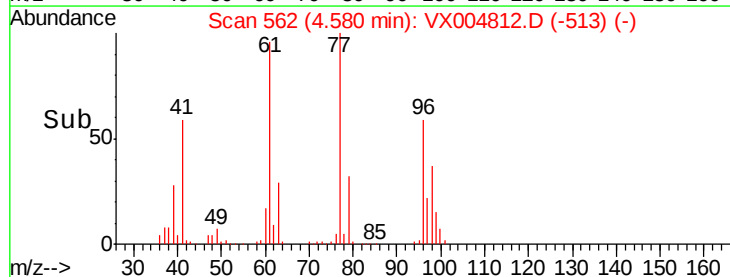
40000

20000

0

4.40 4.50 4.60 4.70

Time-->





#27

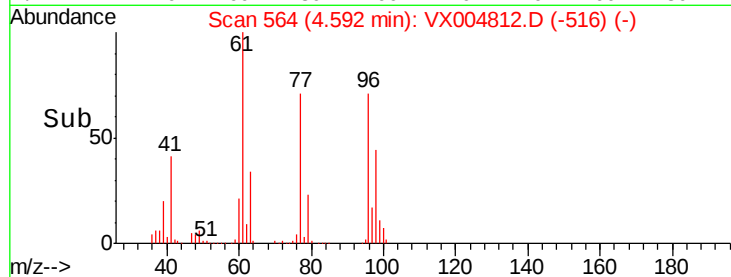
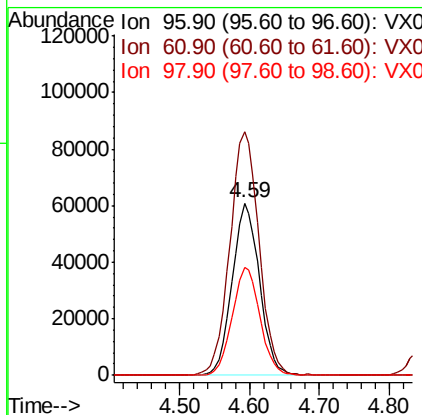
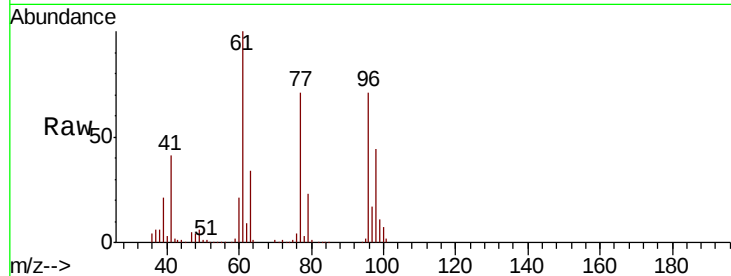
cis-1,2-Dichloroethene
Concen: 50.461 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165061		
61	151.1	0.0	282.6	
98	63.6	0.0	130.2	

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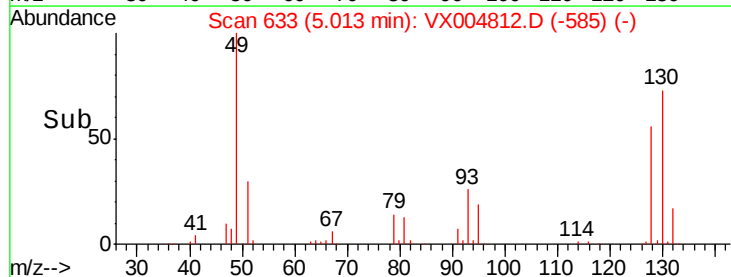
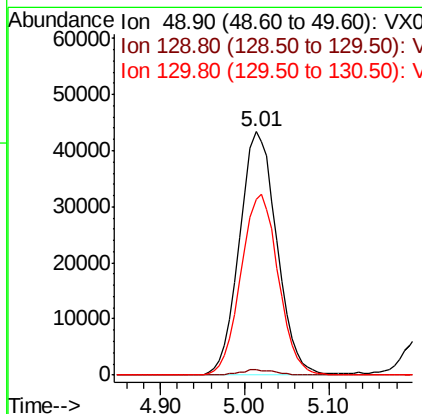
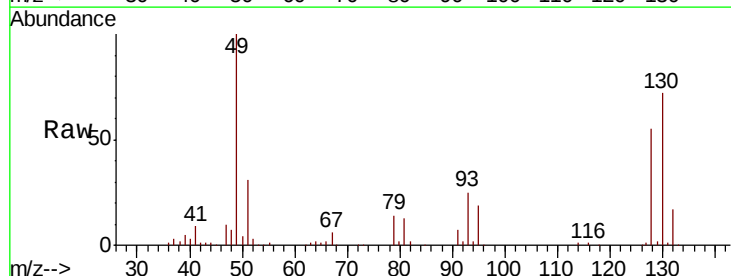
MMDadoda
10/1/2018 1:31:26 PM



#28

Bromochloromethane
Concen: 47.272 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130501		
129	1.9	0.0	4.2	
130	74.3	67.5	101.3	





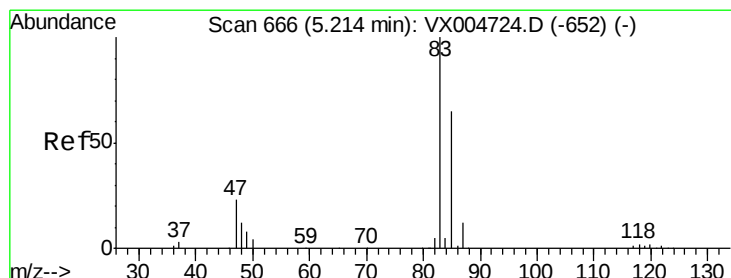
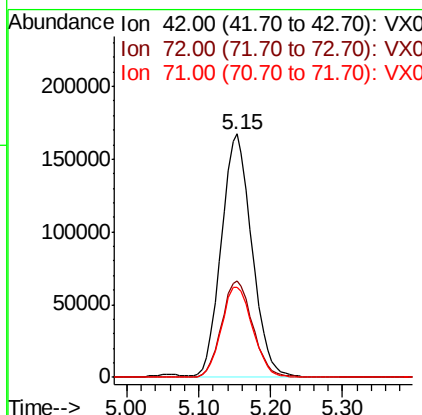
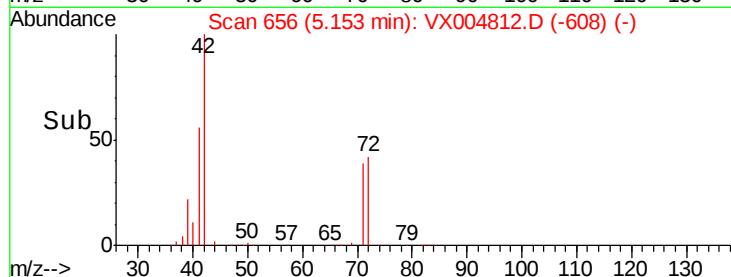
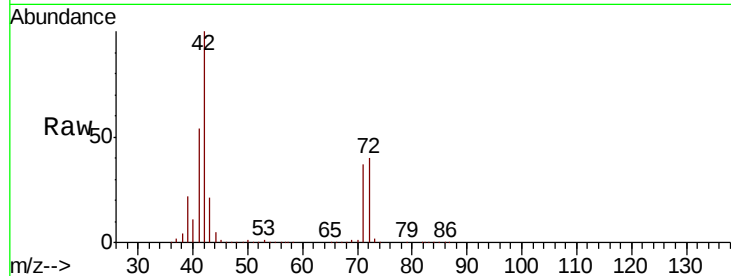
#29
Tetrahydrofuran
Concen: 261.383 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	493021
Ion Ratio	Lower	Upper	
42	100		
72	40.6	37.4	56.0
71	38.0	34.5	51.7

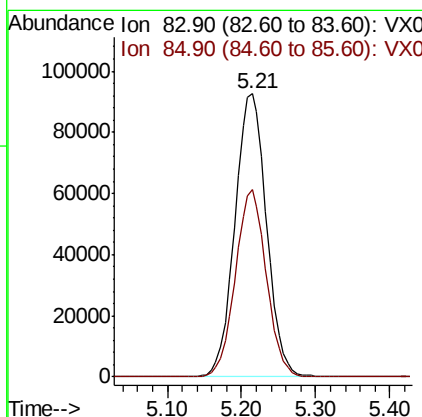
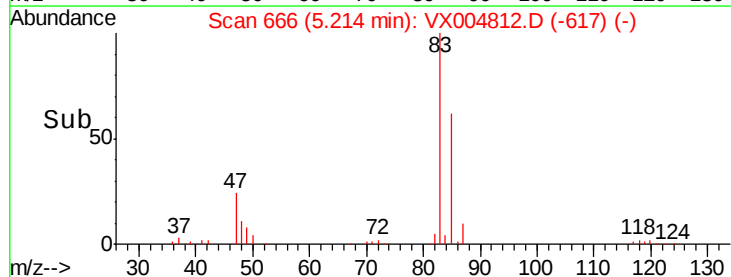
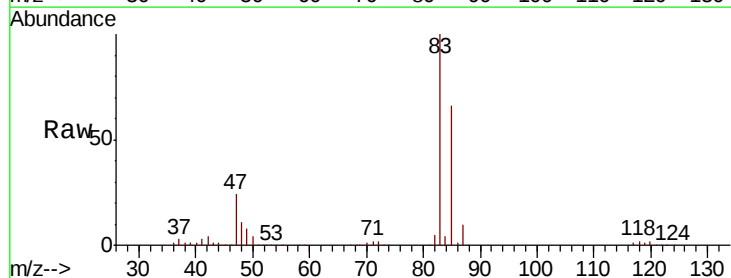
Manual Integrations
APPROVED

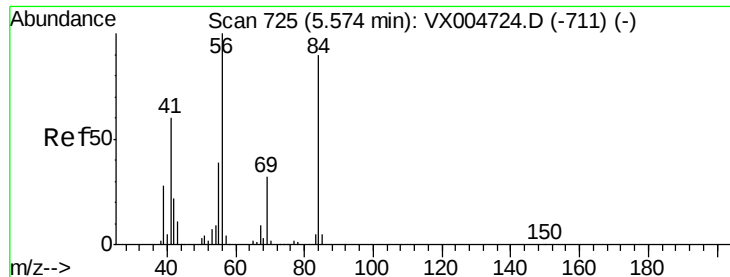
MMDadoda
10/1/2018 1:31:26 PM



#30
Chloroform
Concen: 49.795 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion:	83	Resp:	275890
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.6	79.0





#31

Cyclohexane

Concen: 59.226 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

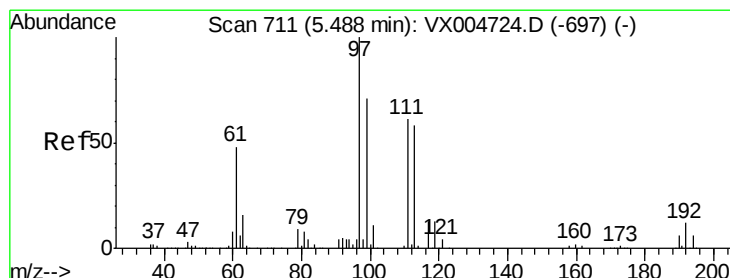
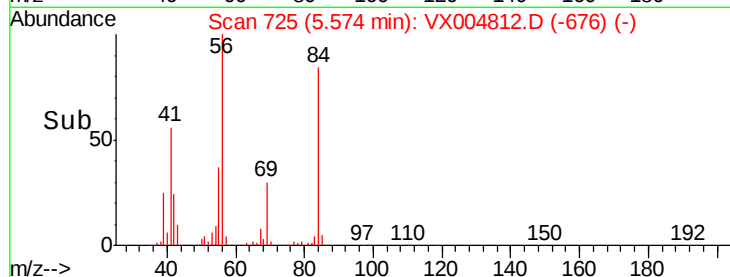
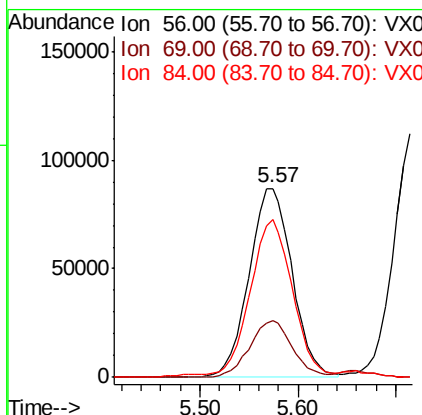
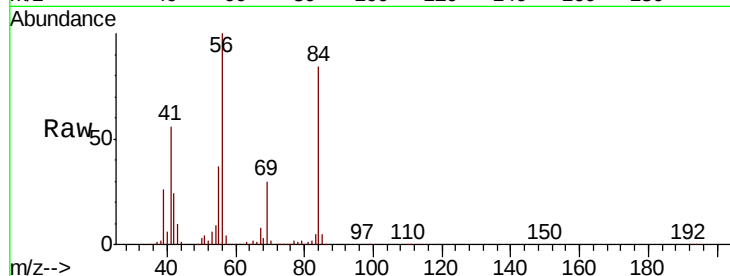
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	265739
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.4	38.2
84	82.4	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.724 ug/l

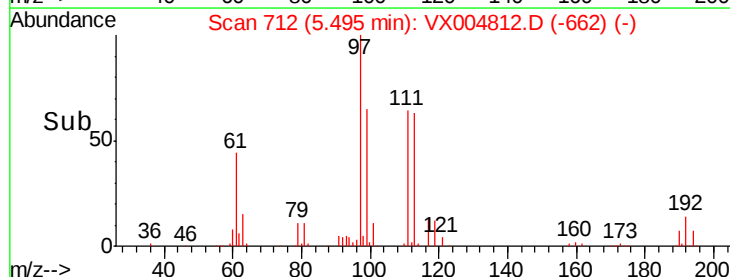
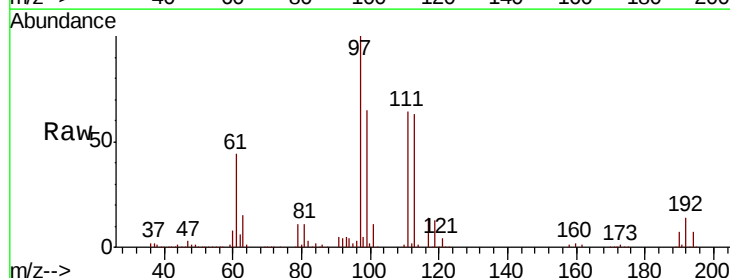
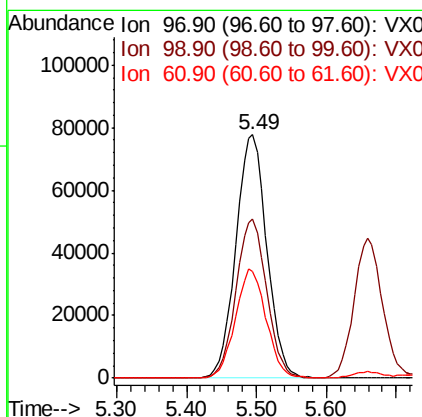
RT: 5.49 min Scan# 712

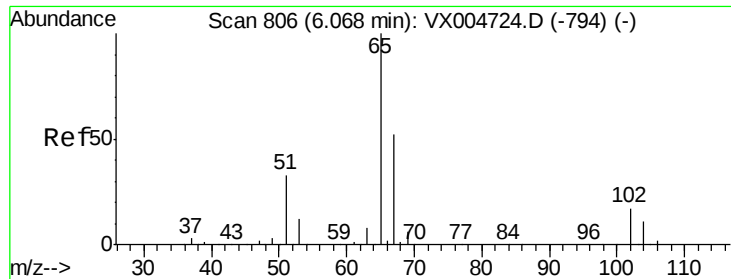
Delta R.T. 0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion:	97	Resp:	238567
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	44.7	34.9	52.3





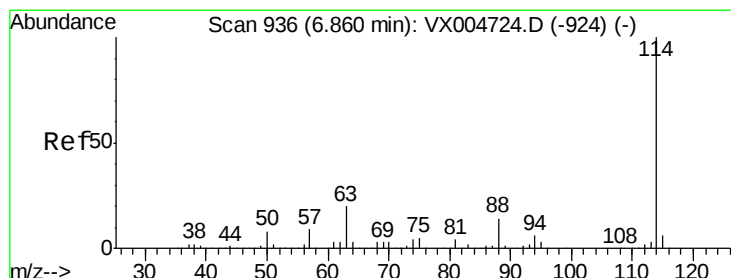
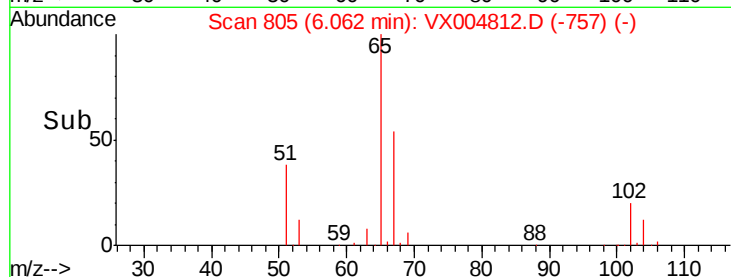
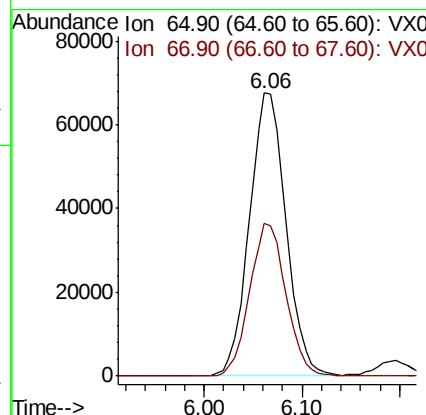
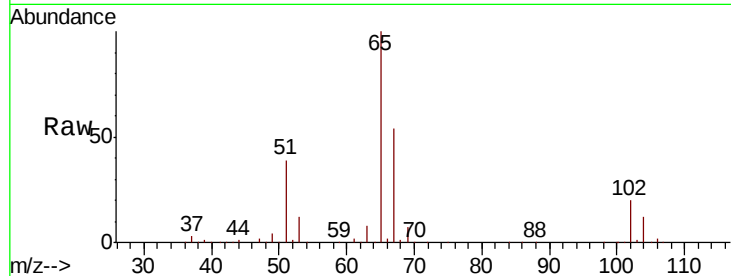
#33
 1,2-Dichloroethane-d4
 Concen: 49.962 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.8

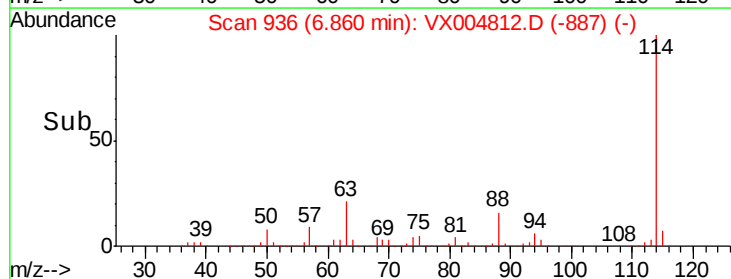
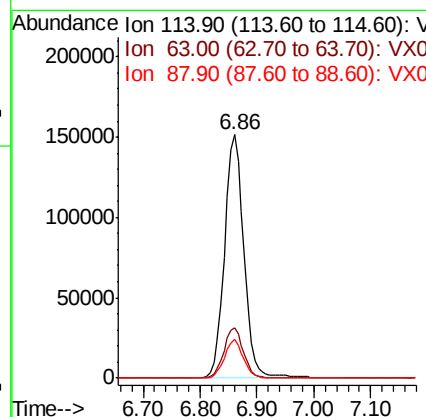
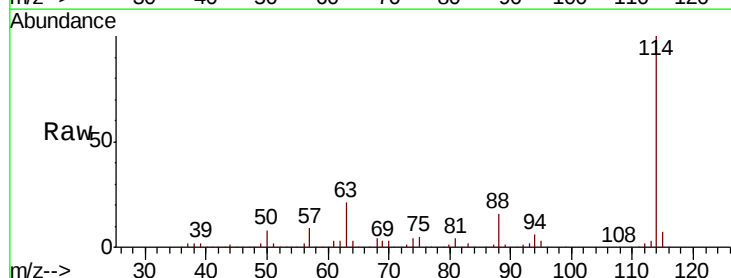
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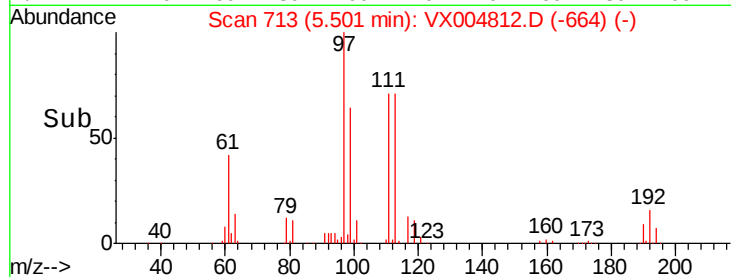
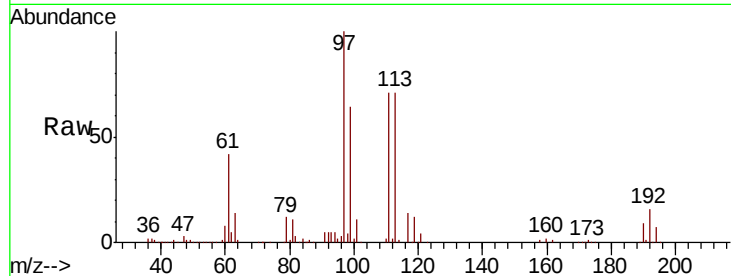
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.0
88	16.1	0.0	30.4





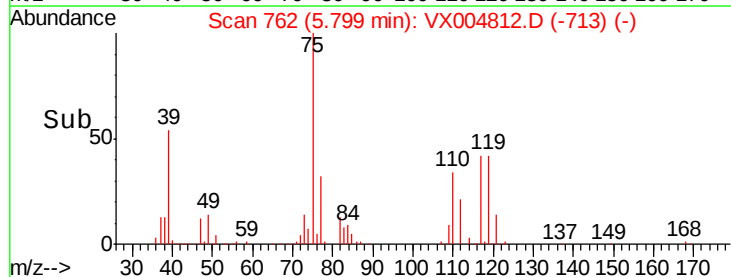
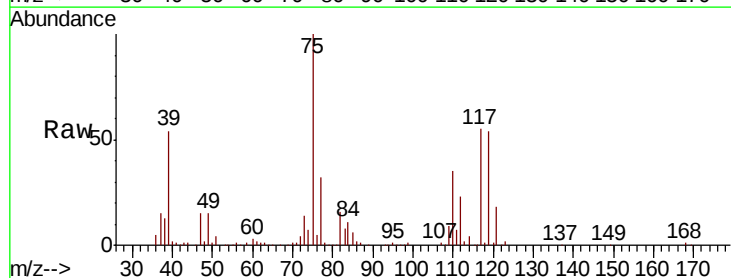
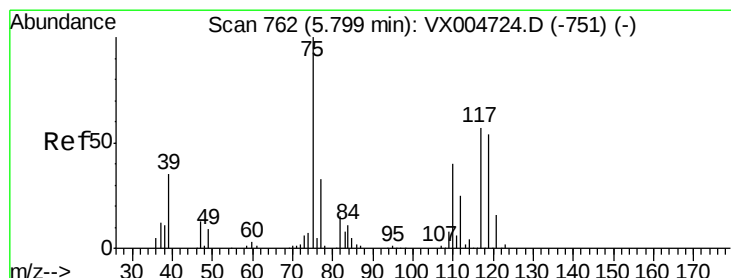
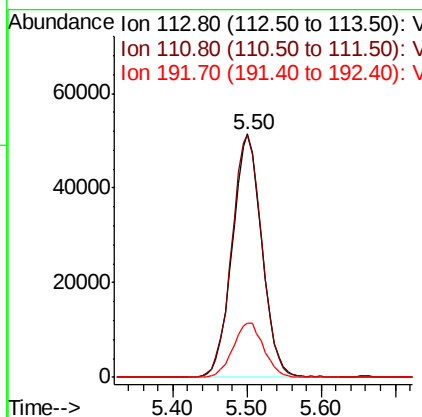
#35
Dibromofluoromethane
Concen: 47.102 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142636		
111	101.7	82.4	123.6	
192	23.1	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

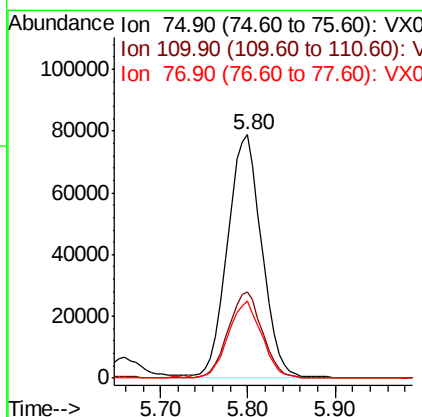
Manual Integrations
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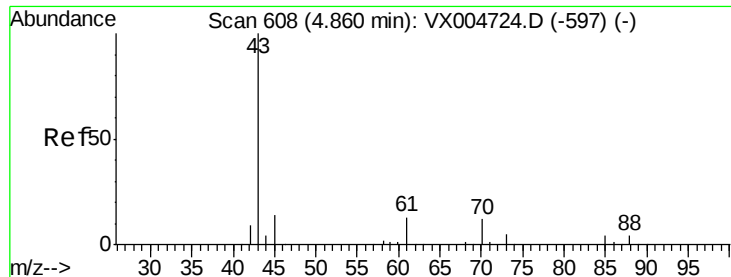
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#36
1,1-Dichloropropene
Concen: 51.607 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213223		
110	35.6	18.0	54.0	
77	31.3	24.6	36.8	





#37

Ethyl Acetate

Concen: 49.065 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

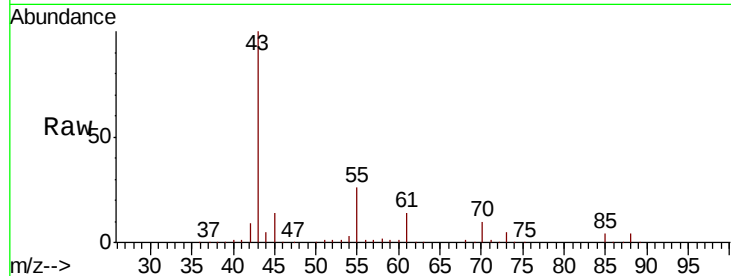
ClientSampleId :

VSTDCCC050

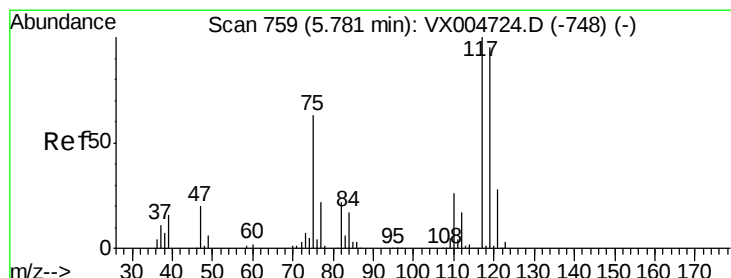
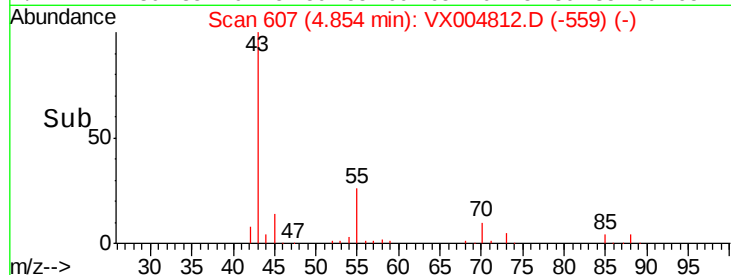
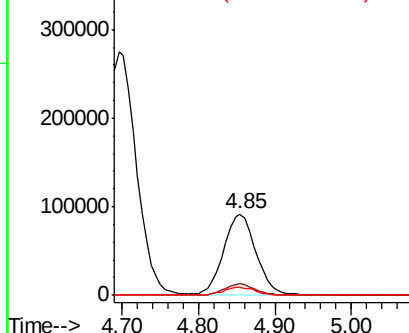
Tot Ion:	43	Resp:	269088
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.9	9.0	13.6

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 48.657 ug/l

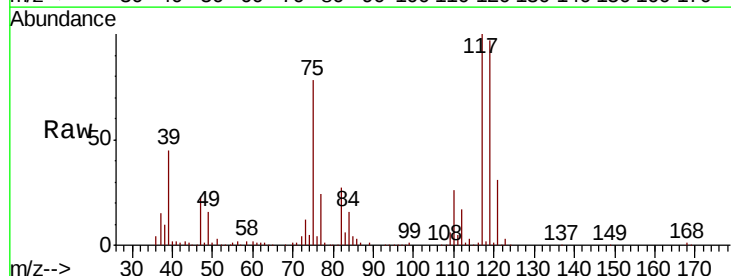
RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

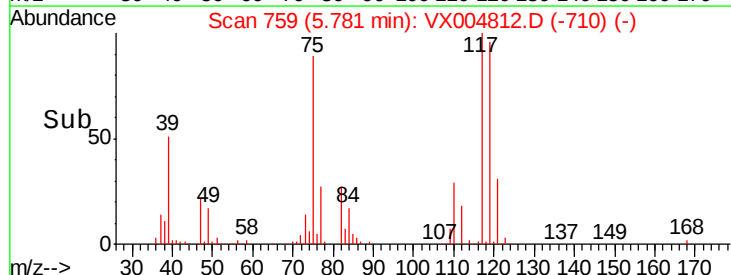
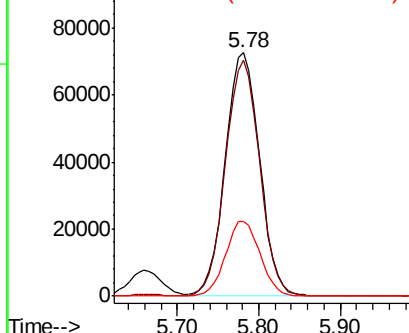
Lab File: VX004812.D

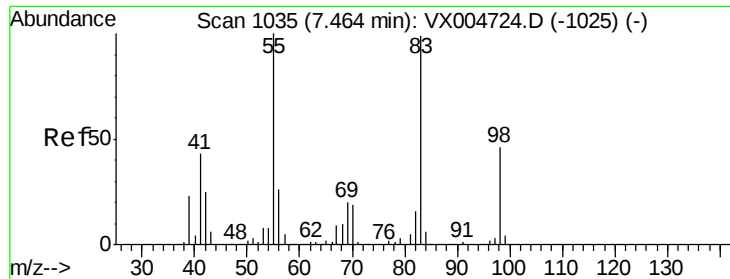
Acq: 28 Sep 2018 09:58

Tgt Ion:	117	Resp:	211320
Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.8	118.2
121	30.8	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





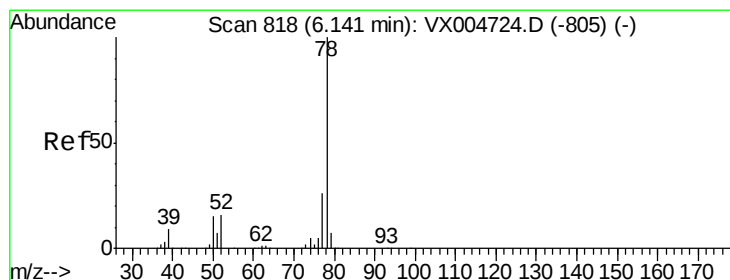
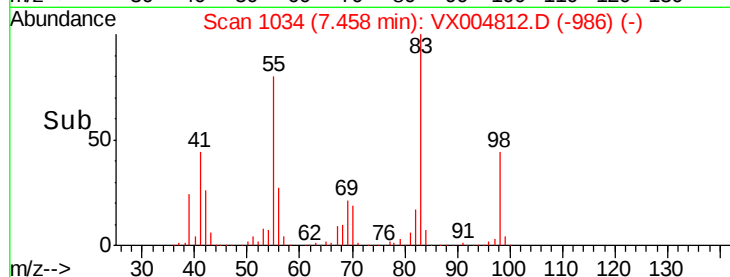
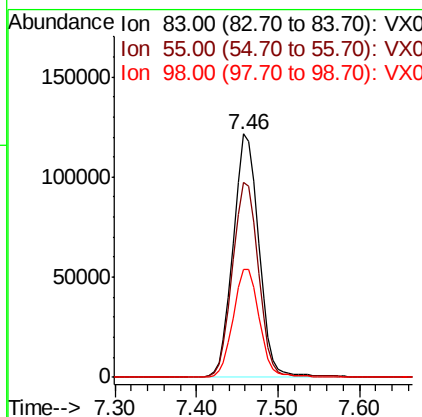
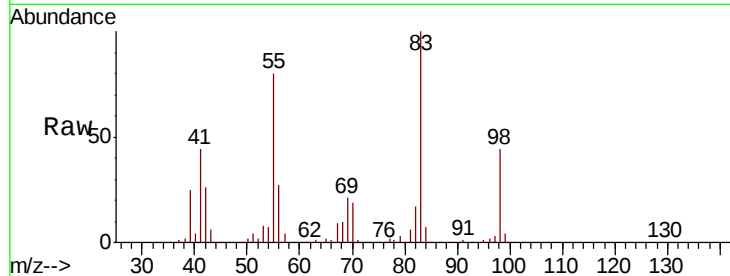
#39
Methvlcvclohexane
Concen: 62.822 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	61.0	91.4
98	44.3	39.6	59.4

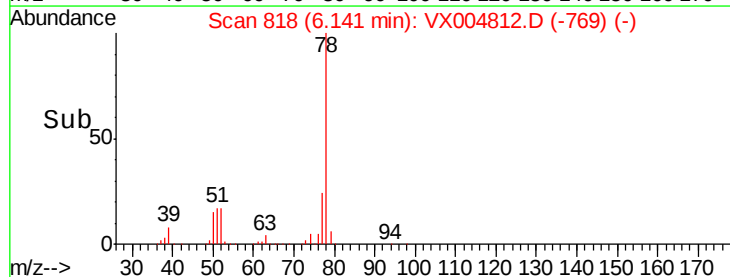
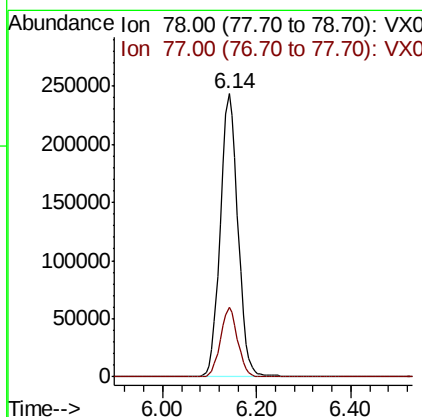
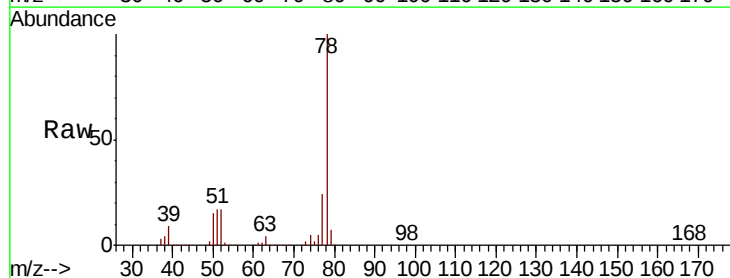
Manual Integrations
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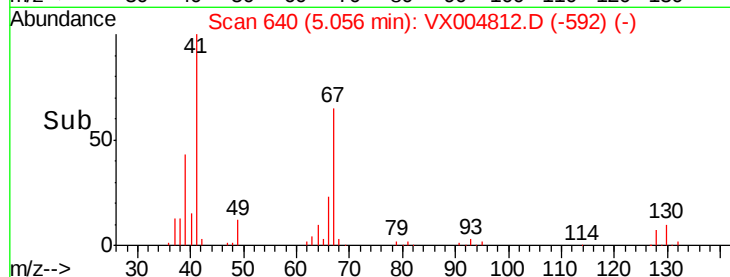
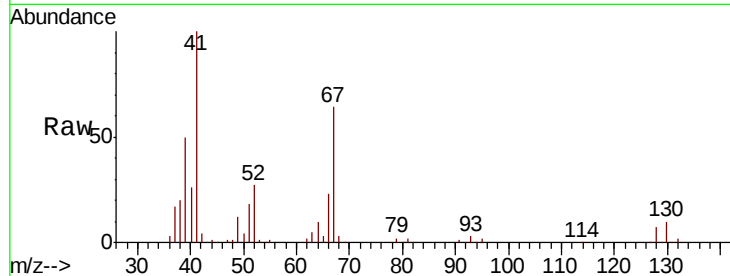
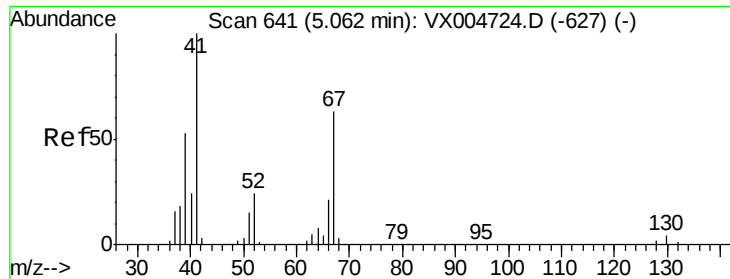
MMDadoda
10/1/2018 1:31:26 PM



#40
Benzene
Concen: 48.998 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4





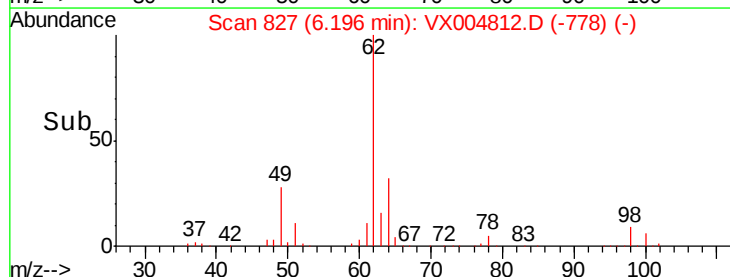
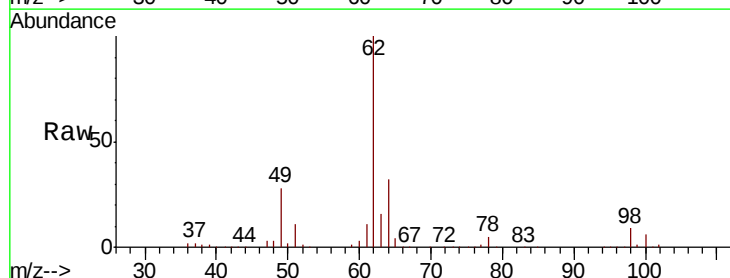
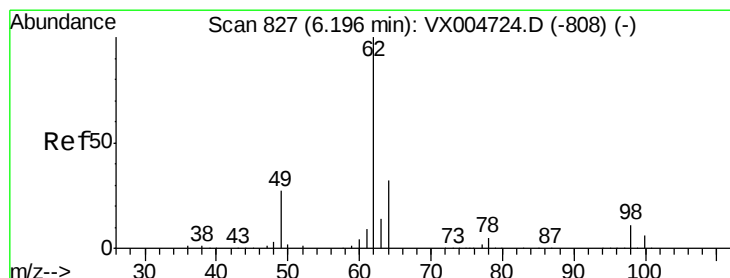
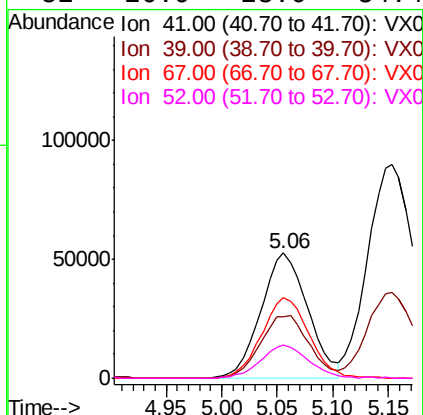
#41
Methacrylonitrile
Concen: 50.752 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		154361		
39	52.1	42.4	63.6		
67	65.7	59.2	88.8		
52	26.9	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

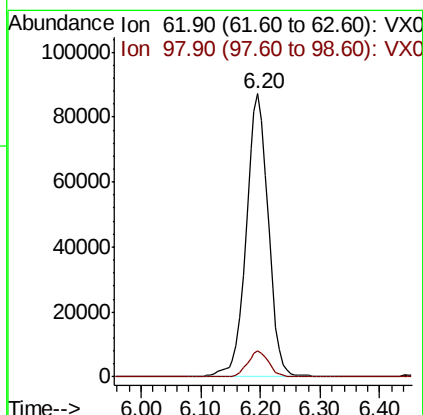
Manual Integrations
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10/1/2018 1:31:26 PM



#42
1,2-Dichloroethane
Concen: 48.959 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		223872		
98	8.9	0.0	20.6		





#43

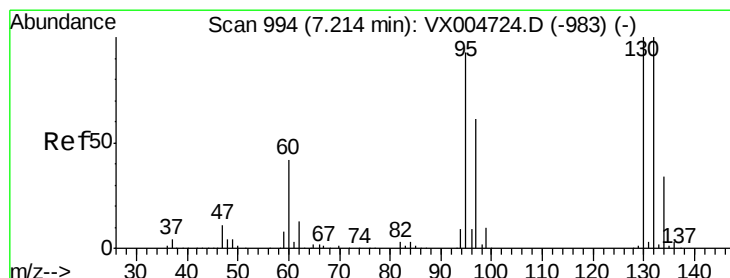
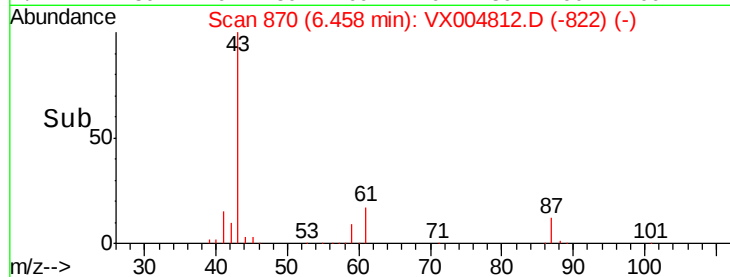
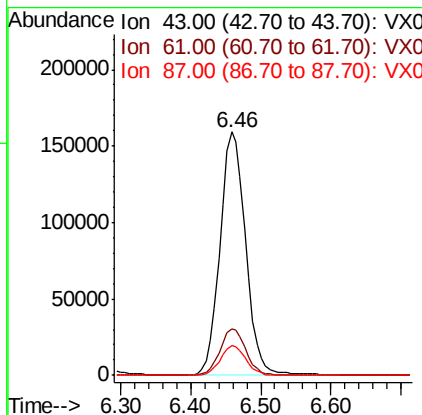
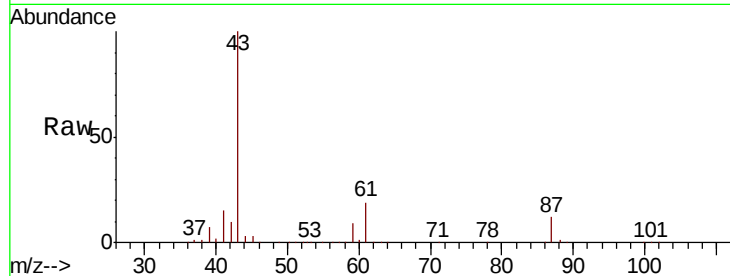
Isopropyl Acetate
 Concen: 50.974 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	61	87
Resp	403498		
Ratio	100	19.4	12.3
Lower		17.0	11.4
Upper		25.4	17.2

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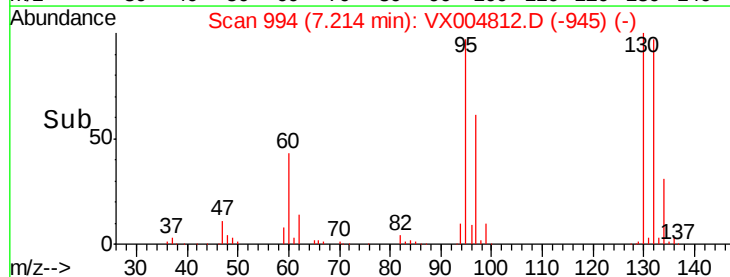
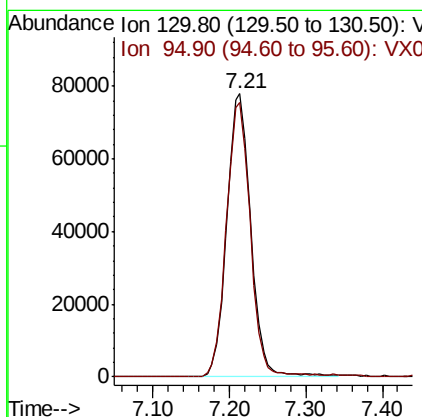
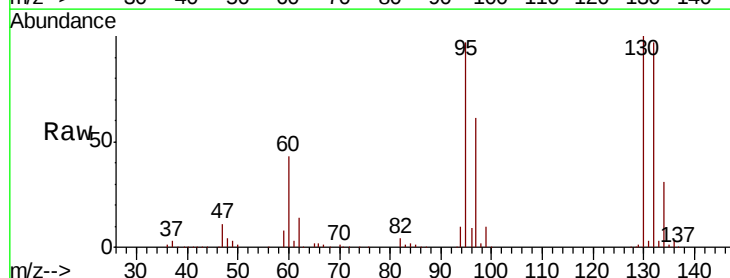
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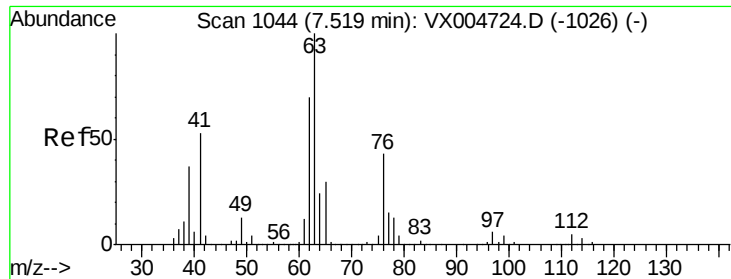


#44

Trichloroethene
 Concen: 53.184 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Tgt Ion	130	95
Resp	169115	
Ratio	100	97.1
Lower		0.0
Upper		181.6





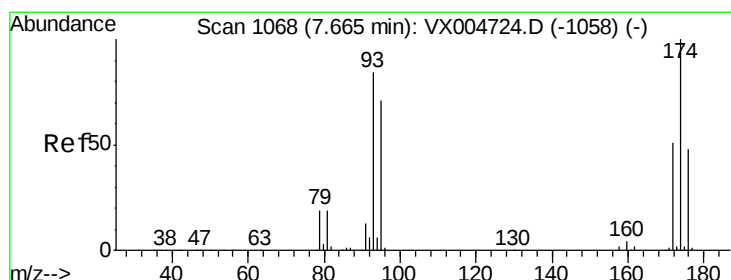
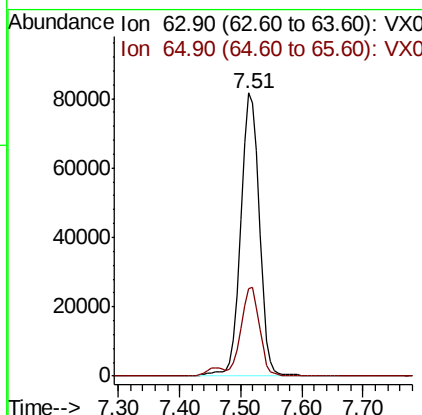
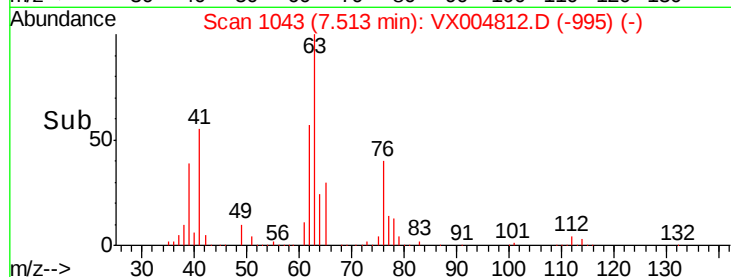
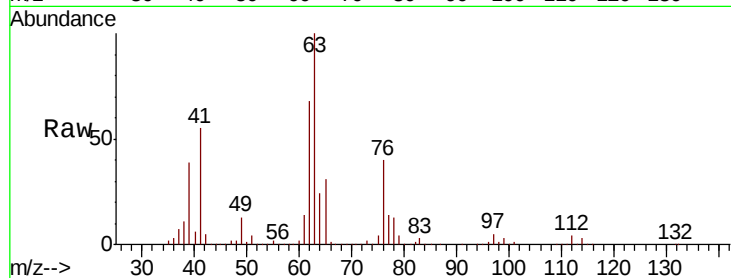
#45
 1,2-Dichloropropane
 Concen: 53.861 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.3	36.5

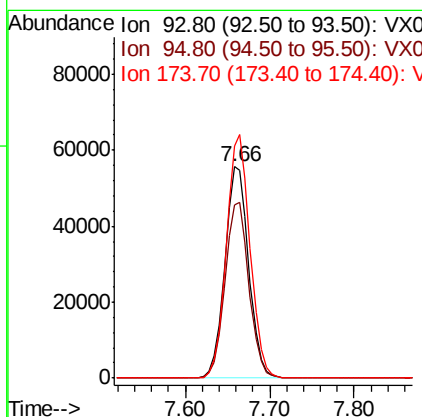
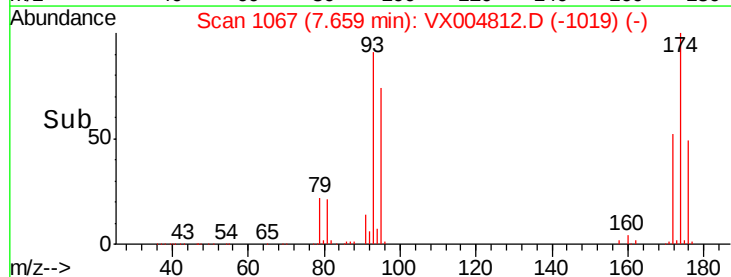
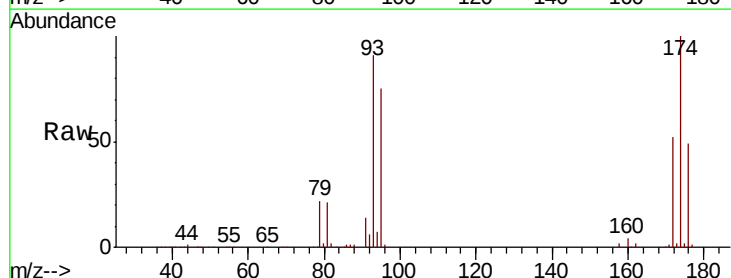
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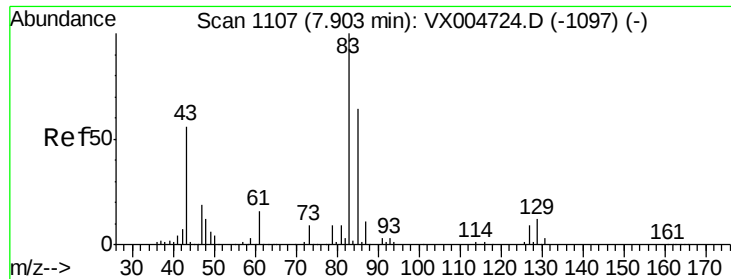
MMDadoda
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#46
 Dibromomethane
 Concen: 53.968 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.5	98.3
174	113.9	94.2	141.4





#47

Bromodichloromethane

Concen: 55.502 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

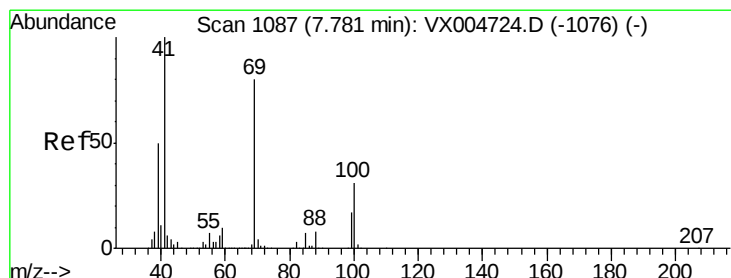
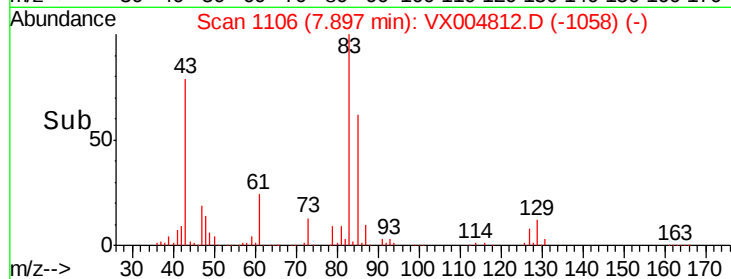
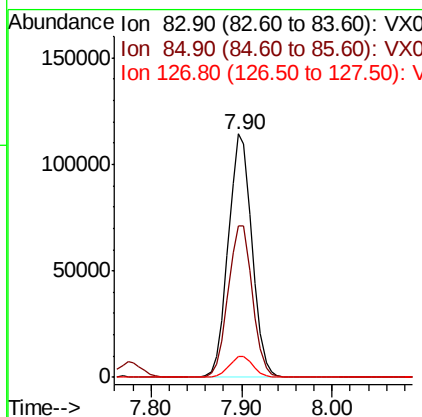
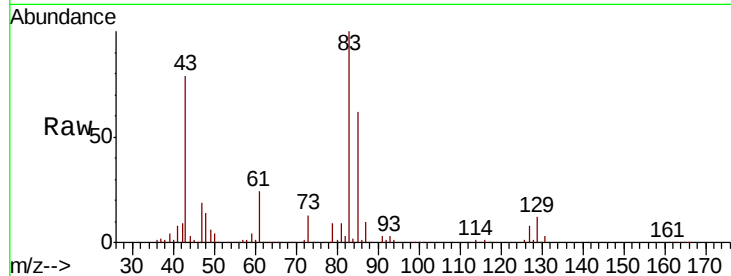
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	207153
Ion Ratio	Lower	Upper	
83	100		
85	62.2	50.9	76.3
127	8.4	7.3	10.9

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#48

Methyl methacrylate

Concen: 59.889 ug/l

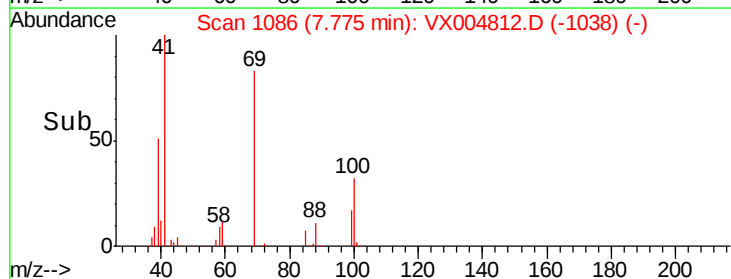
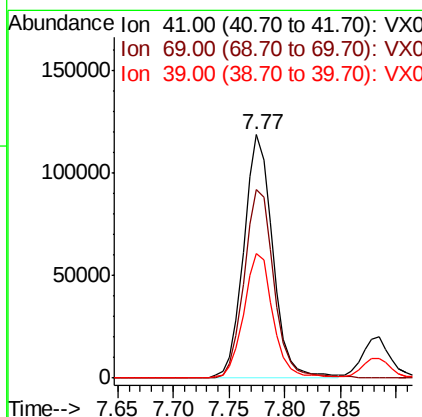
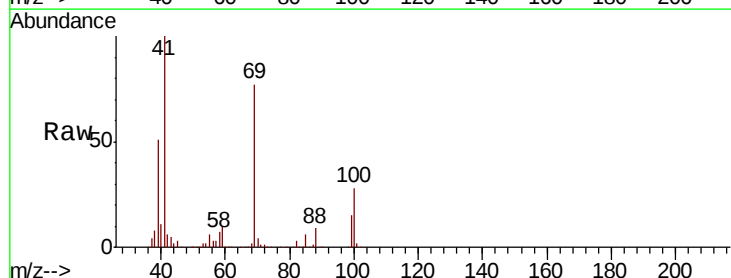
RT: 7.77 min Scan# 1086

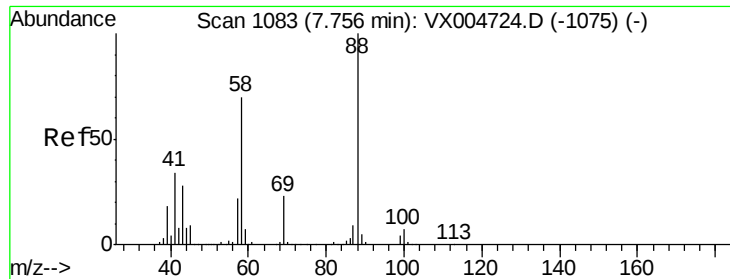
Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion:	41	Resp:	215172
Ion Ratio	Lower	Upper	
41	100		
69	80.1	70.2	105.4
39	51.6	42.7	64.1





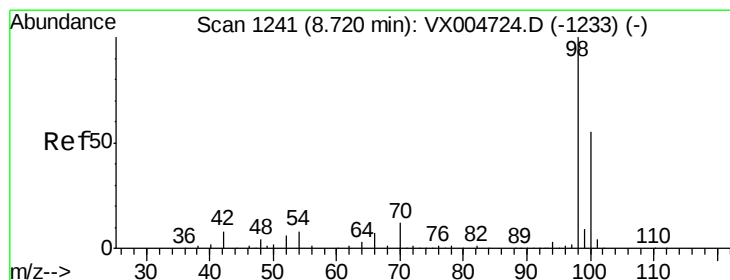
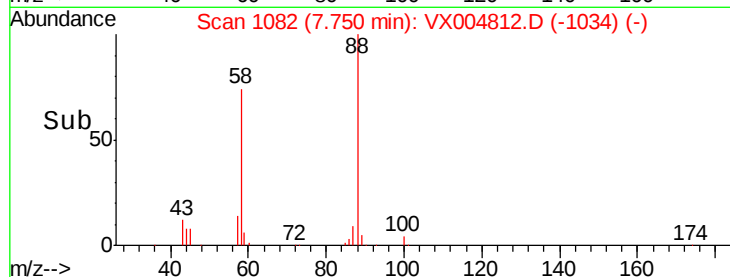
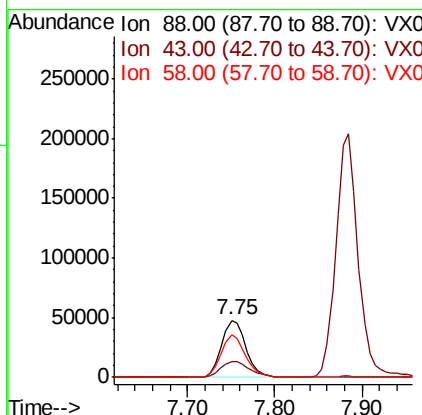
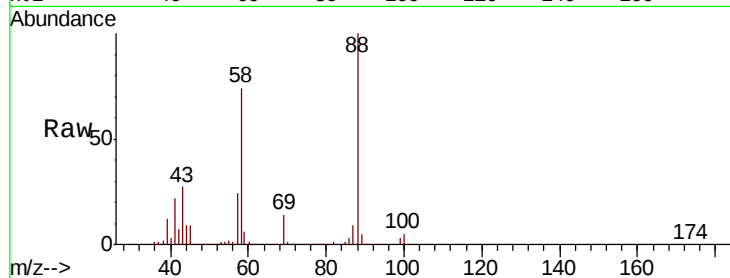
#49
1,4-Dioxane
Concen: 1038.361 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	24.7	37.1
58	74.0	55.3	82.9

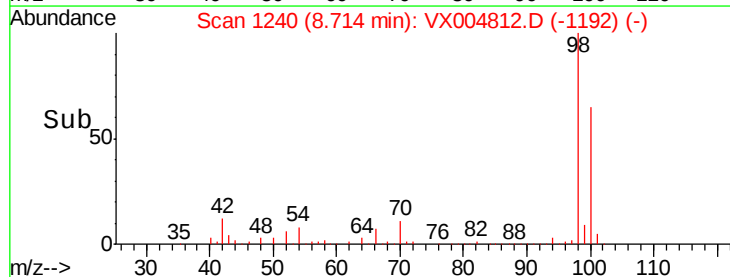
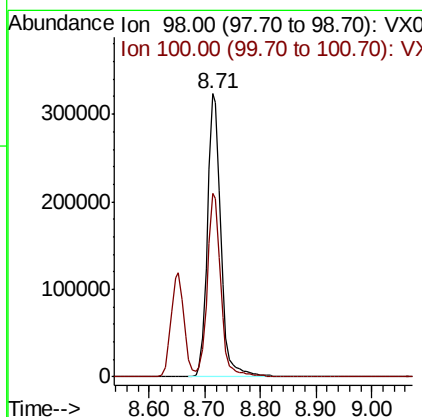
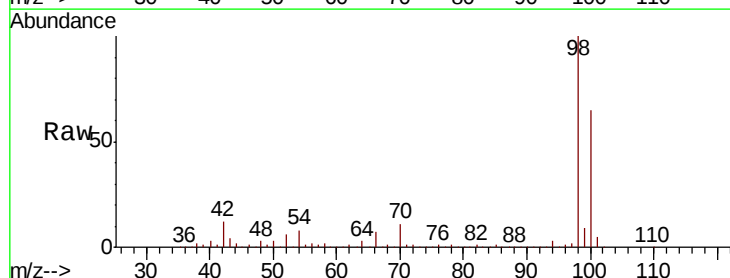
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#50
Toluene-d8
Concen: 54.867 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





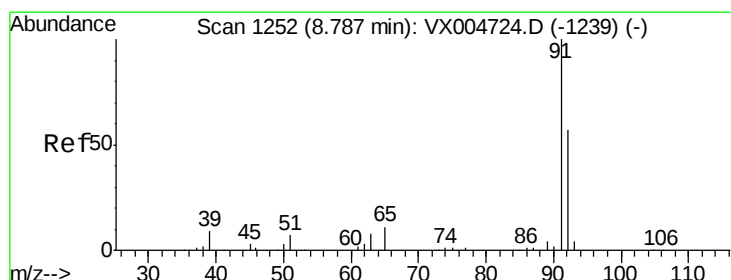
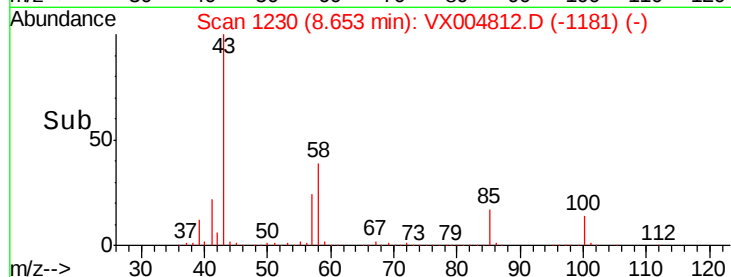
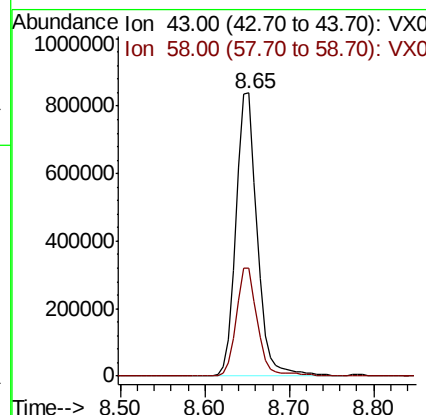
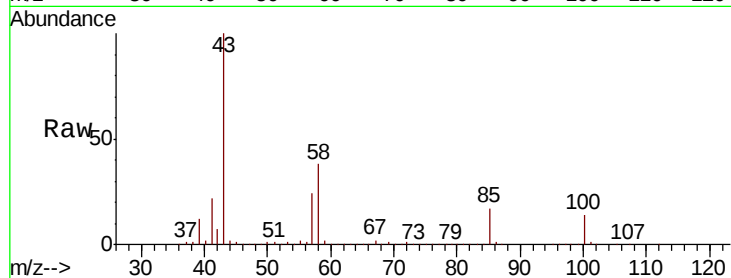
#51
4-Methyl-2-Pentanone
Concen: 288.641 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1438631
Ion Ratio Lower Upper
43 100
58 38.3 33.1 49.7

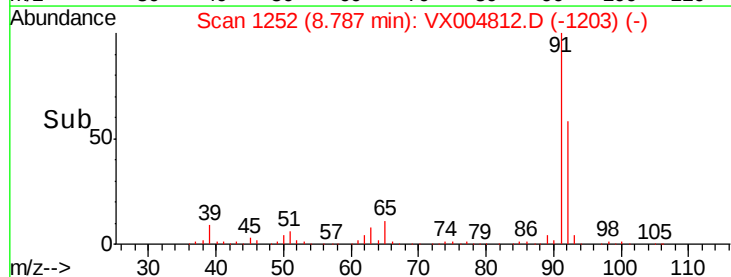
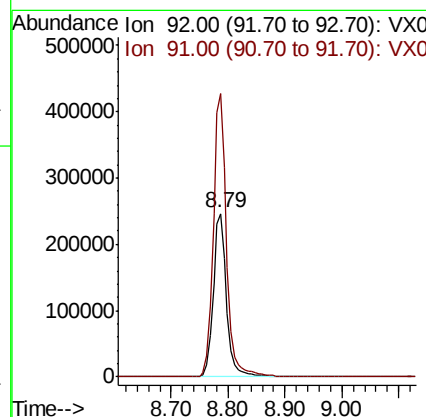
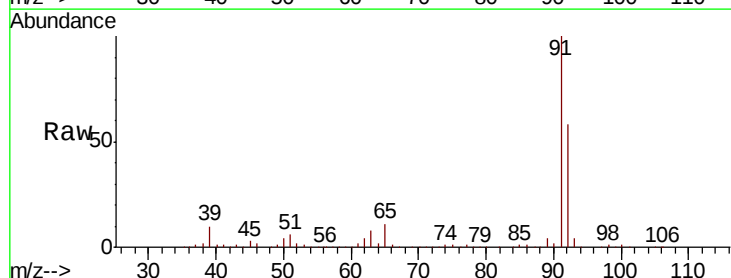
Manual Integrations
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#52
Toluene
Concen: 55.926 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion: 92 Resp: 397496
Ion Ratio Lower Upper
92 100
91 174.0 136.4 204.6





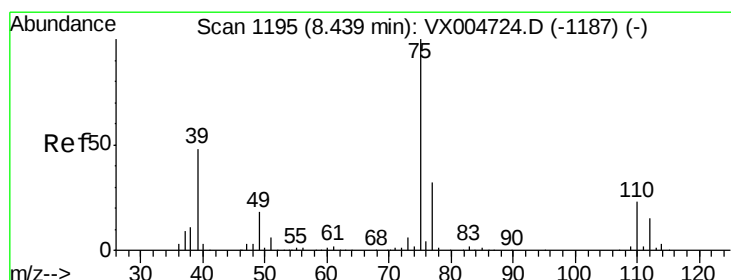
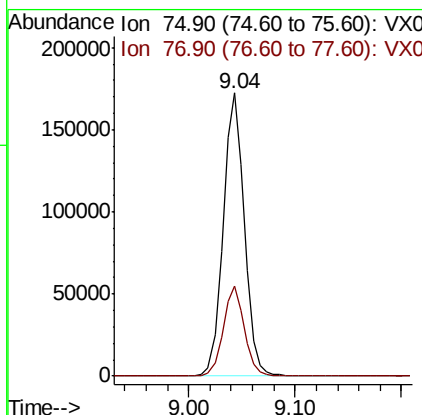
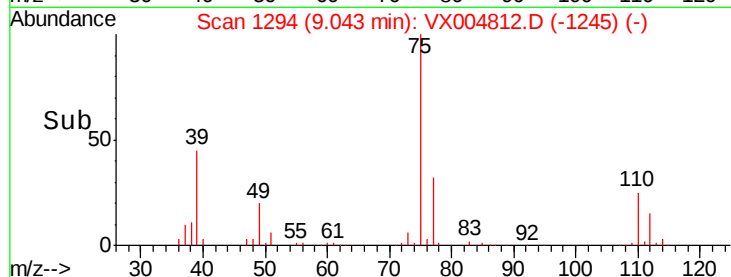
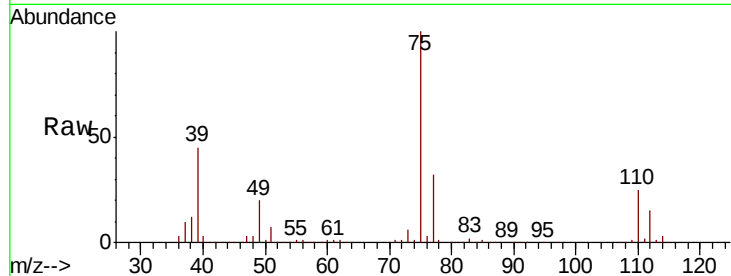
#53
t-1,3-Dichloropropene
Concen: 56.640 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 238890
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

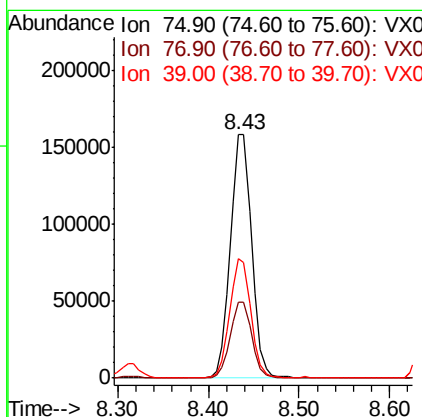
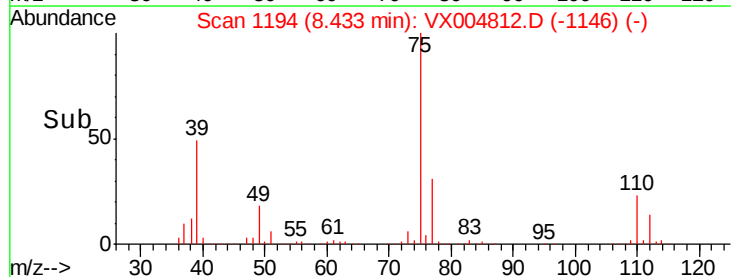
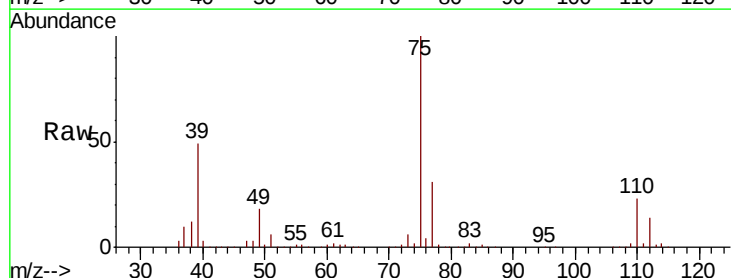
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 58.781 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion: 75 Resp: 259681
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2
39 48.8 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 51.601 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

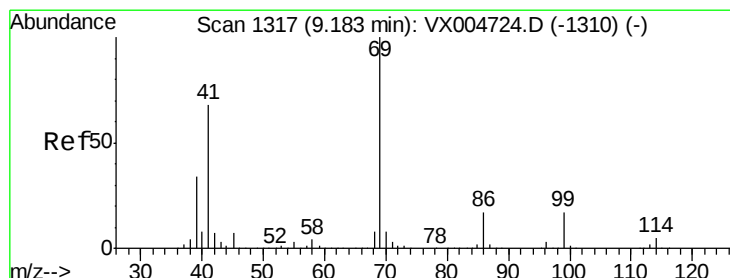
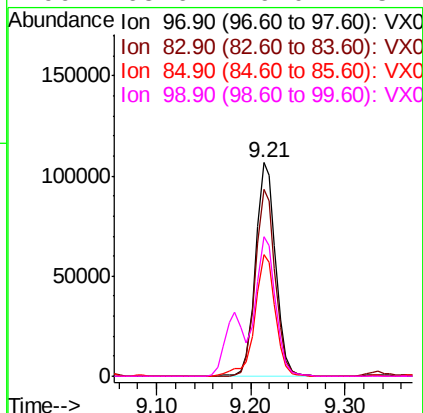
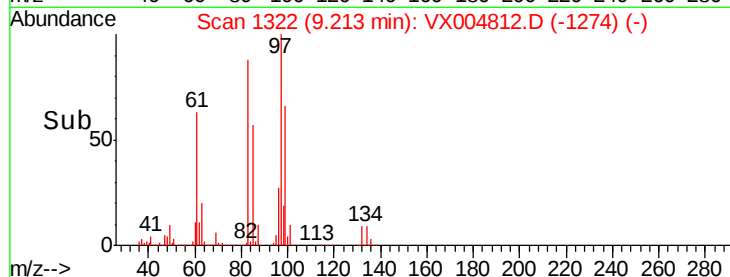
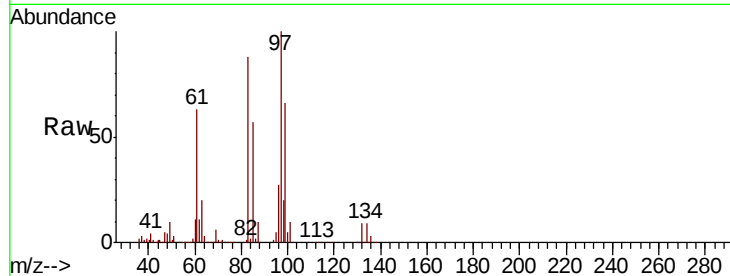
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	160651
Ion Ratio	Lower	Upper	
97	100		
83	87.6	66.4	99.6
85	56.7	43.3	64.9
99	65.6	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.741 ug/l

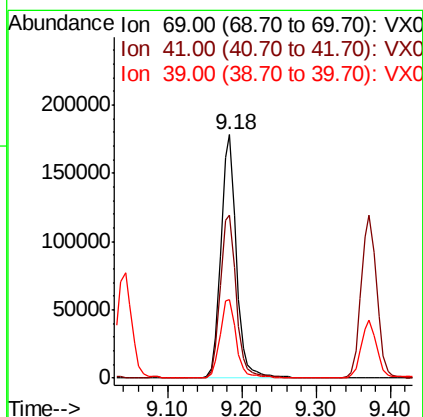
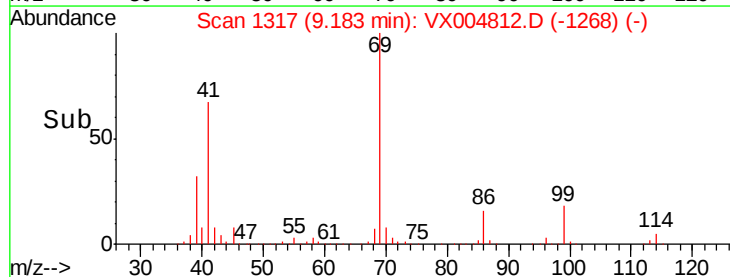
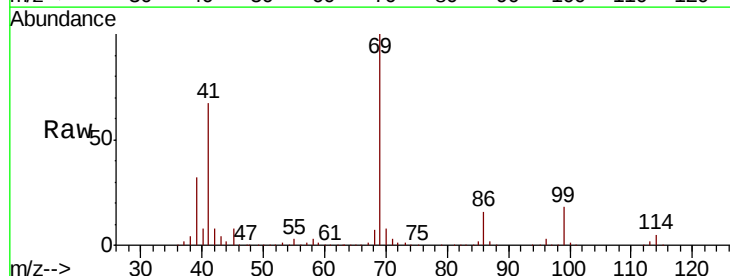
RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion:	69	Resp:	256575
Ion Ratio	Lower	Upper	
69	100		
41	69.6	51.0	76.4
39	33.7	26.1	39.1





#57

1,3-Dichloropropane

Concen: 52.853 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 273861

Ion Ratio Lower Upper

76 100

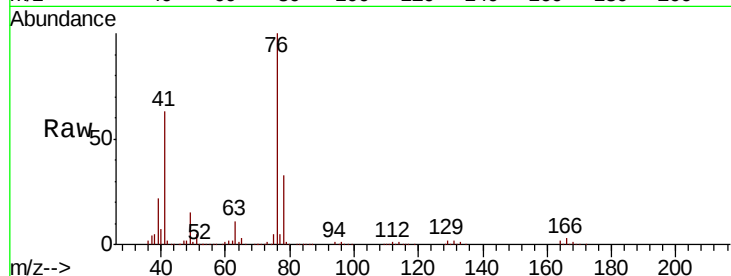
78 32.2 25.5 38.3

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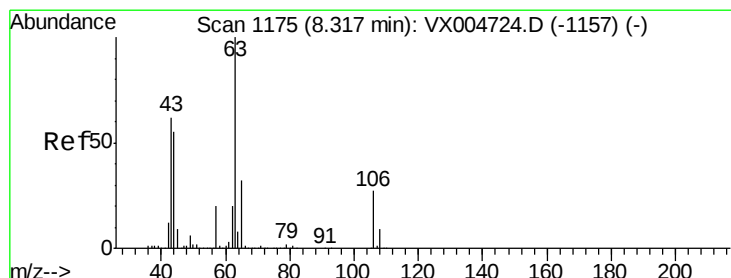
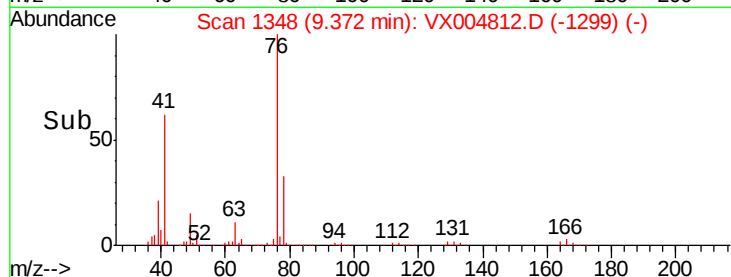
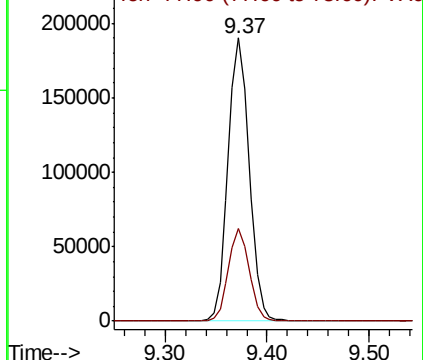
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 269.404 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004812.D

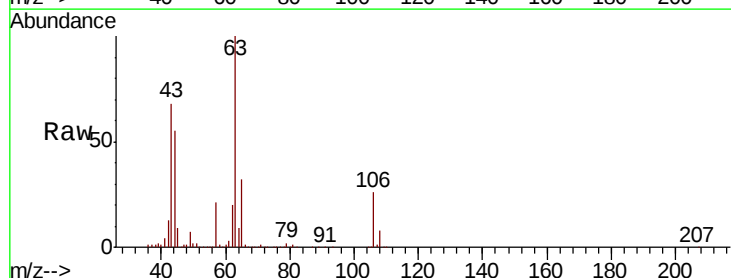
Acq: 28 Sep 2018 09:58

Tgt Ion: 63 Resp: 725839

Ion Ratio Lower Upper

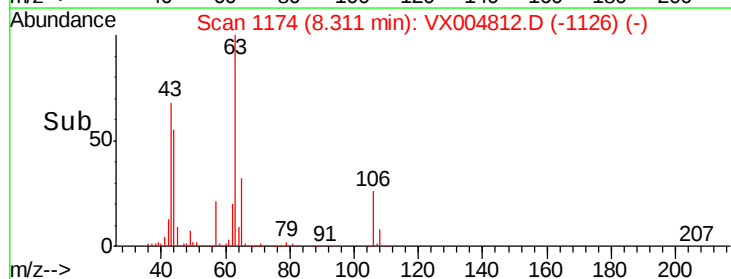
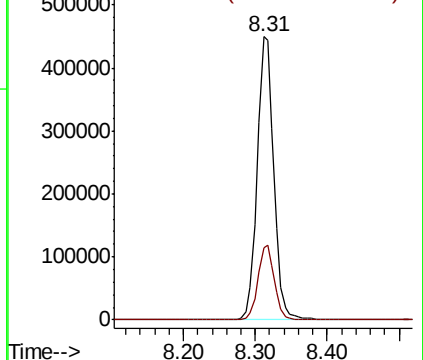
63 100

106 26.2 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





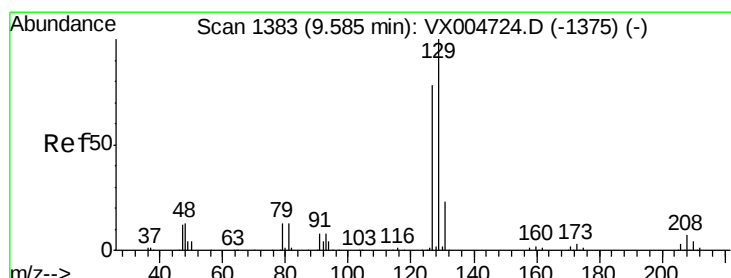
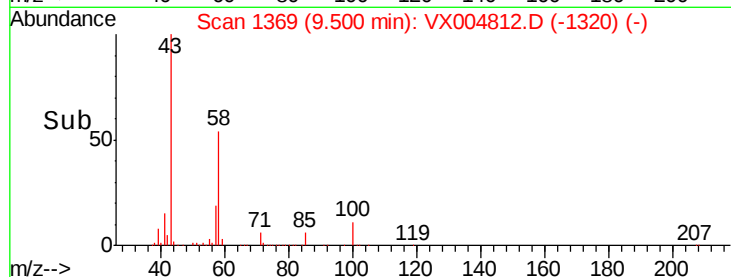
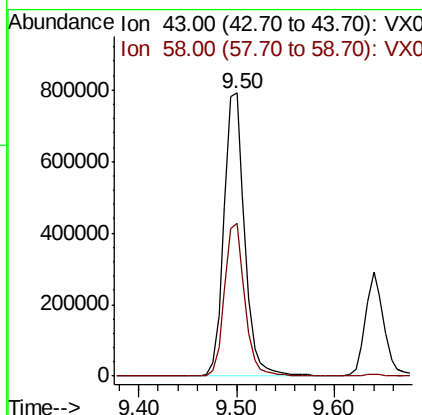
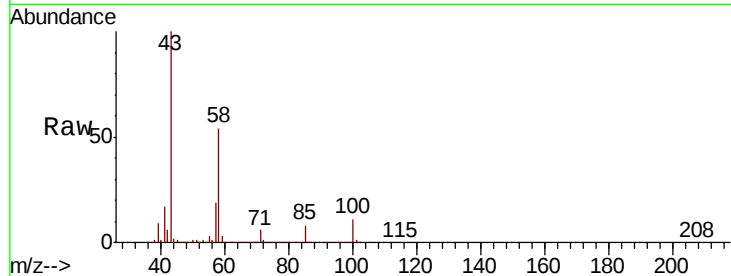
#59
2-Hexanone
Concen: 279.826 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1162228
Ion Ratio Lower Upper
43 100
58 53.1 29.0 87.0

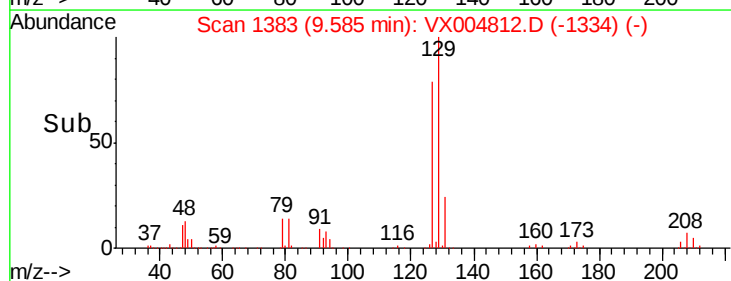
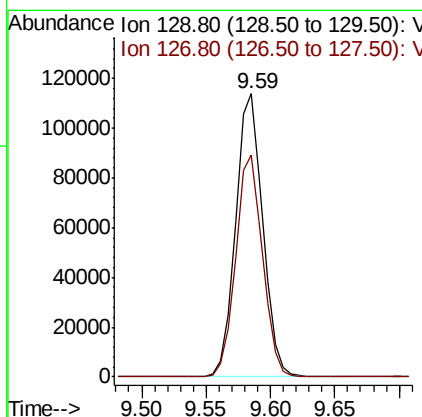
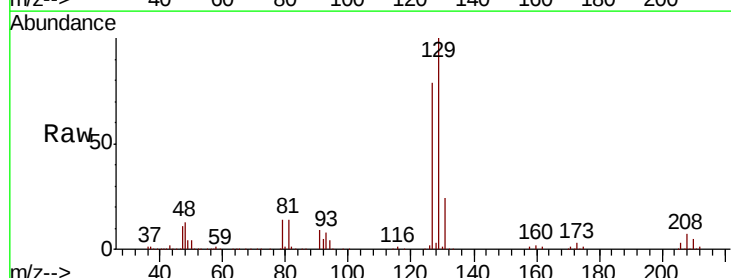
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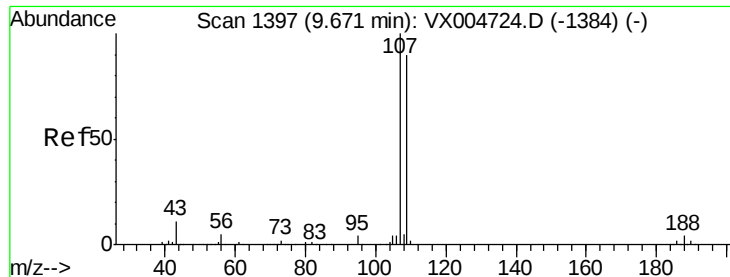
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10/1/2018 1:31:26 PM



#60
Dibromochloromethane
Concen: 53.328 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion:129 Resp: 166040
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.218 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 167439

Ion Ratio Lower Upper

107 100

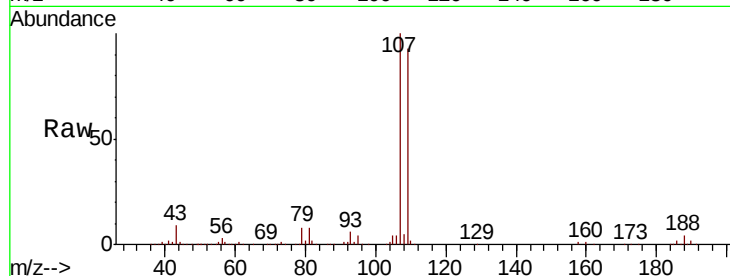
109 94.0 76.0 114.0

Manual Integrations

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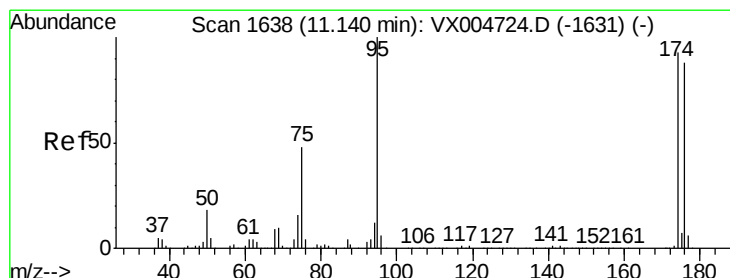
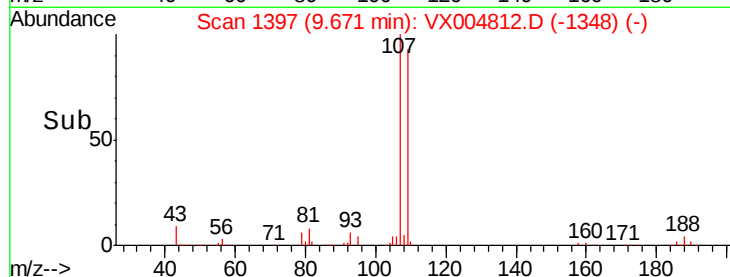
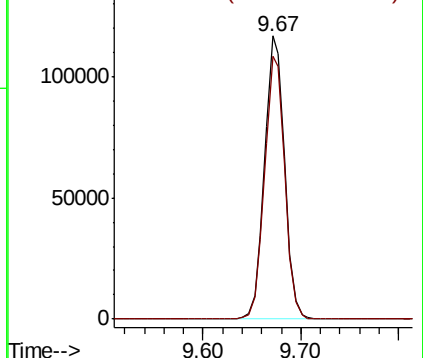
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.360 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

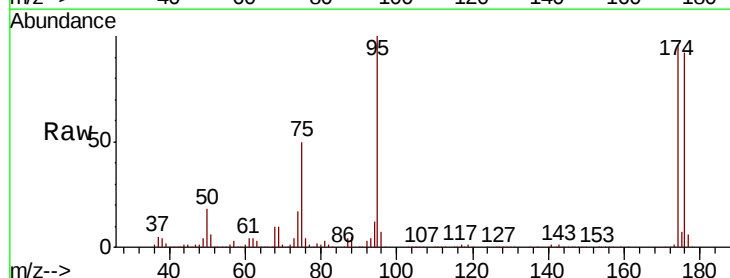
Tgt Ion: 95 Resp: 204408

Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.2

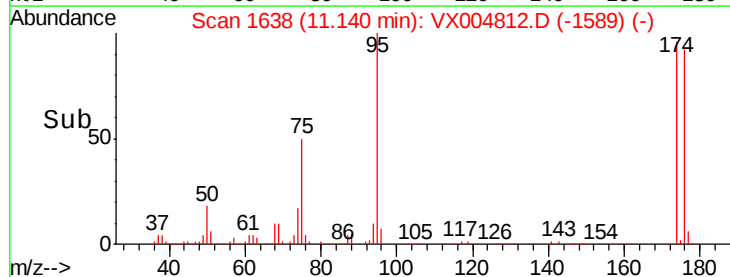
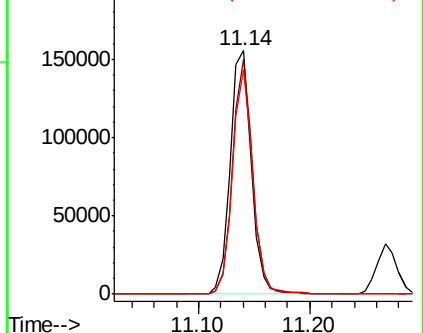
176 88.0 0.0 178.6

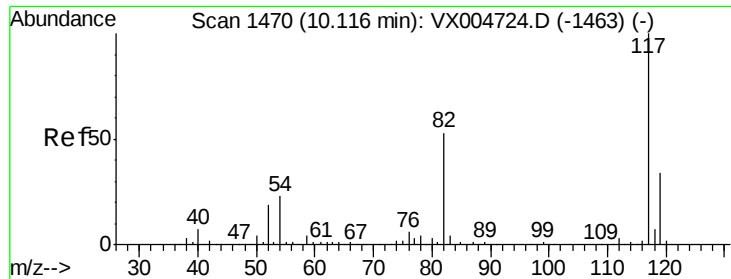


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





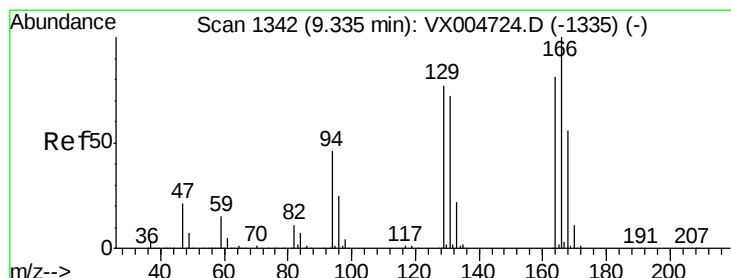
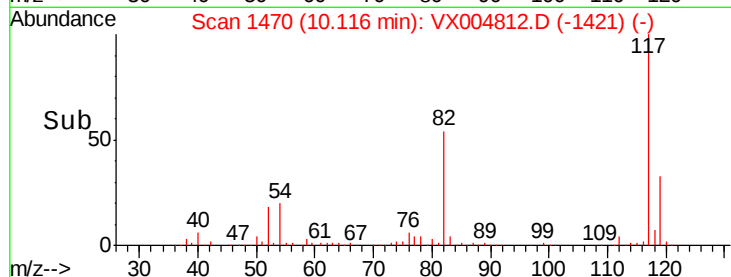
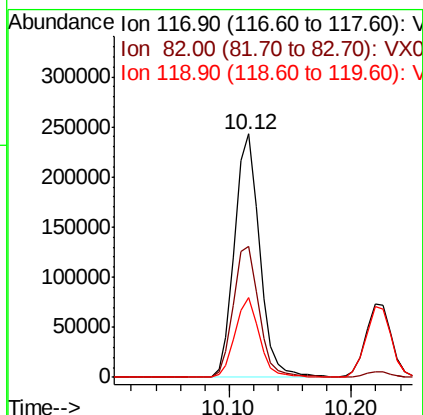
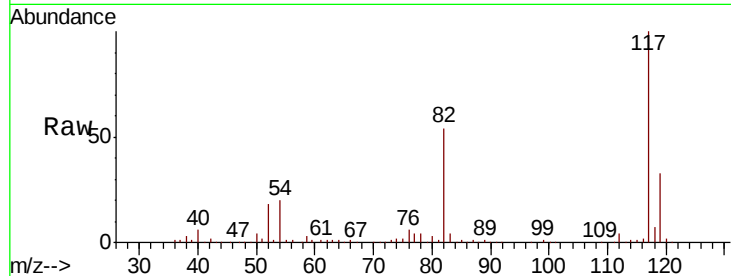
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	47.8	71.6
119	32.6	29.3	43.9

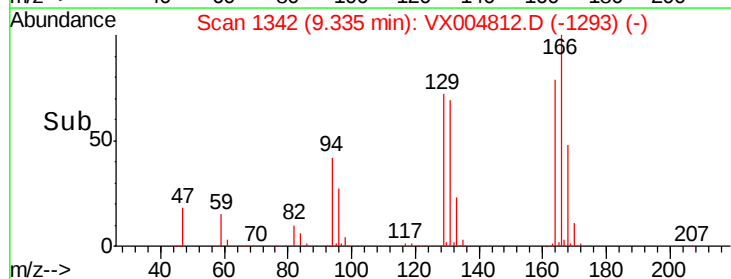
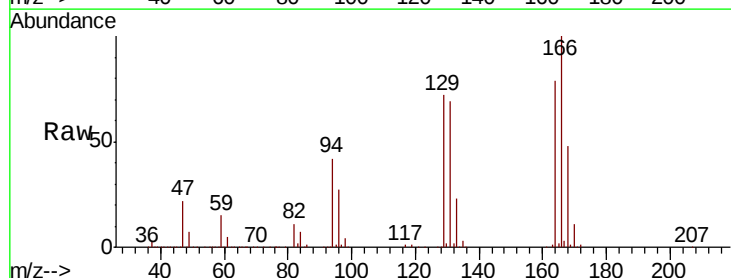
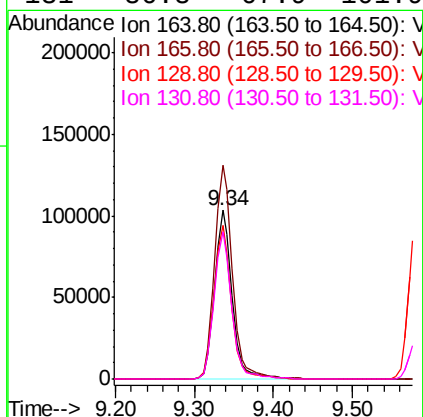
Manual Integrations
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#64
Tetrachloroethene
Concen: 47.385 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.8	154.2
129	90.8	69.4	104.0
131	86.8	67.9	101.9





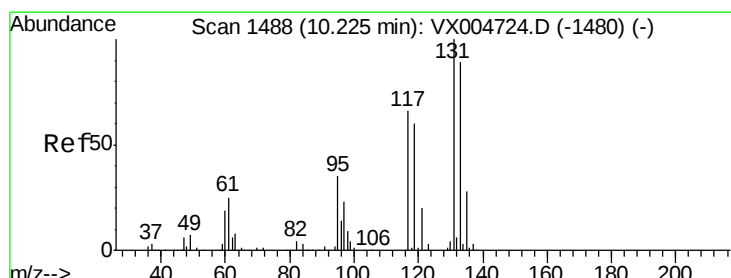
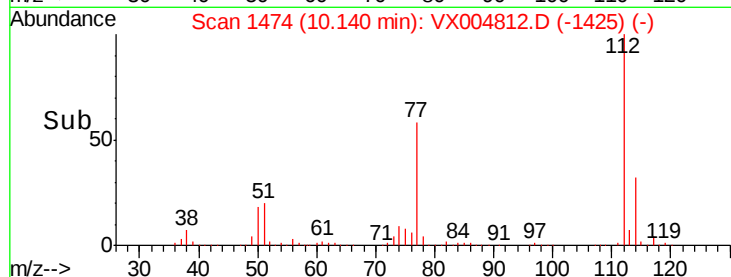
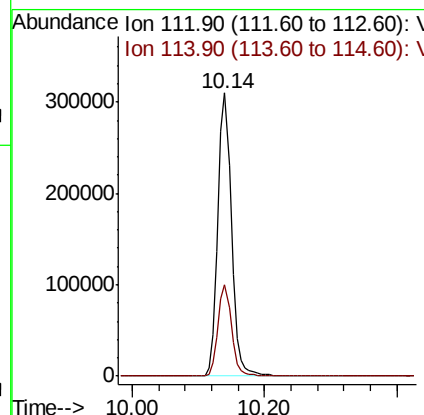
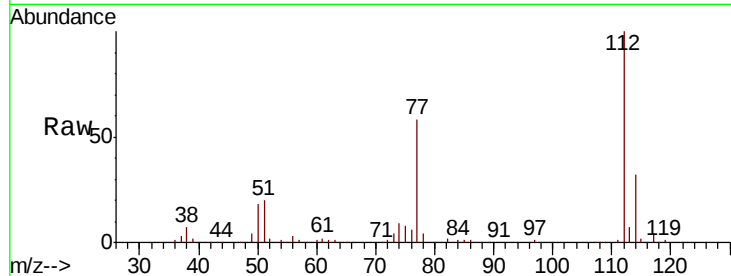
#65
Chlorobenzene
Concen: 49.762 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 440922
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8

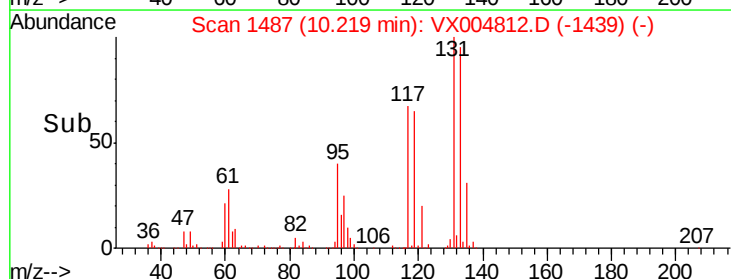
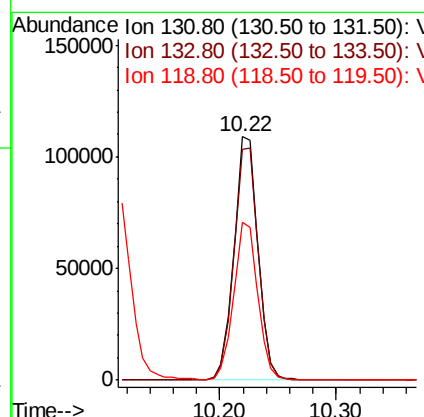
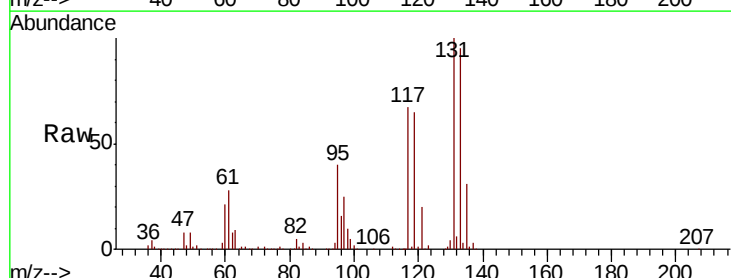
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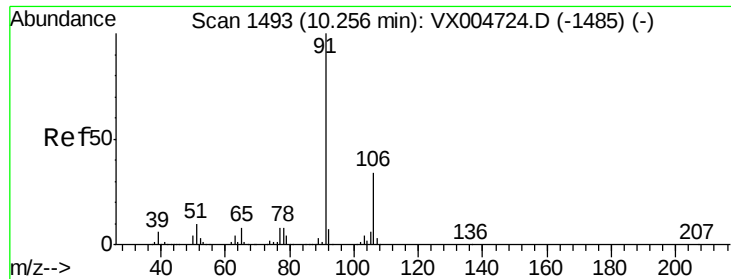
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.316 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion:131 Resp: 156737
Ion Ratio Lower Upper
131 100
133 96.8 48.1 144.4
119 64.9 32.9 98.6





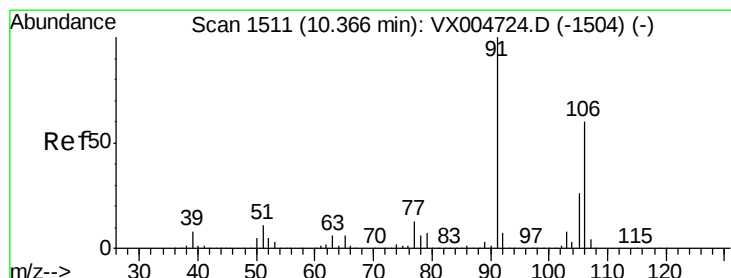
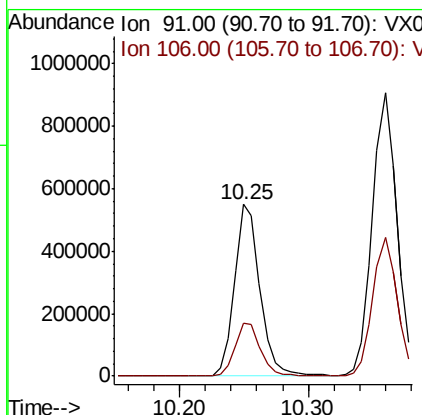
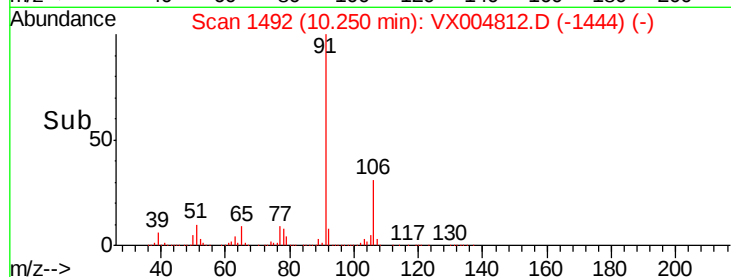
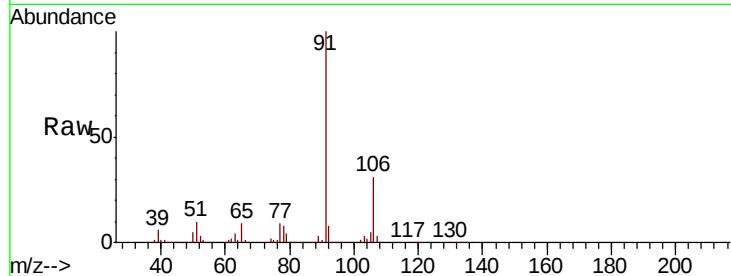
#67
Ethyl Benzene
Concen: 54.184 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 762225
Ion Ratio Lower Upper
91 100
106 30.6 25.9 38.9

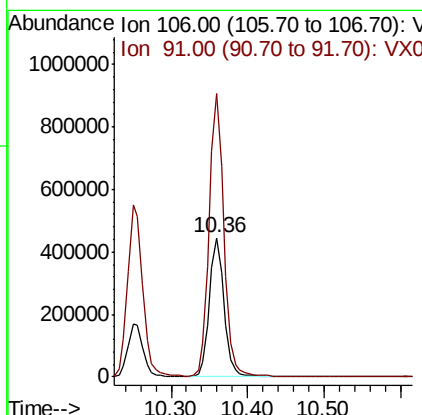
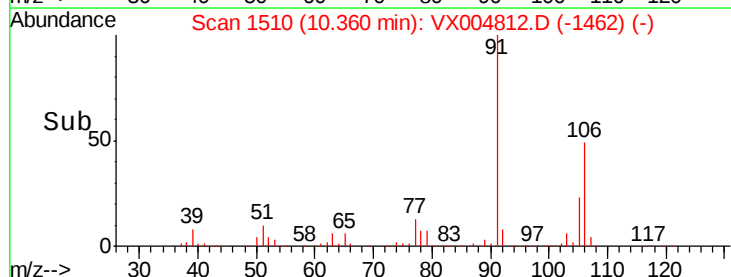
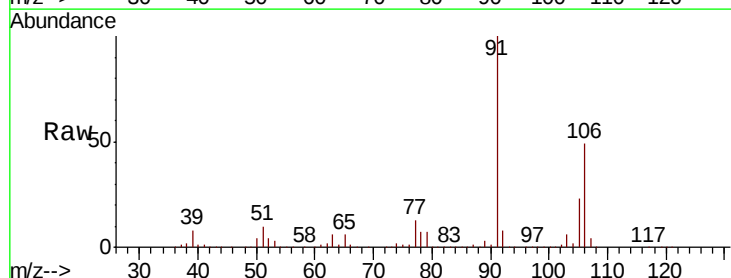
Manual Integrations
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#68
m/p-Xylenes
Concen: 109.227 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion: 106 Resp: 600437
Ion Ratio Lower Upper
106 100
91 203.1 157.1 235.7





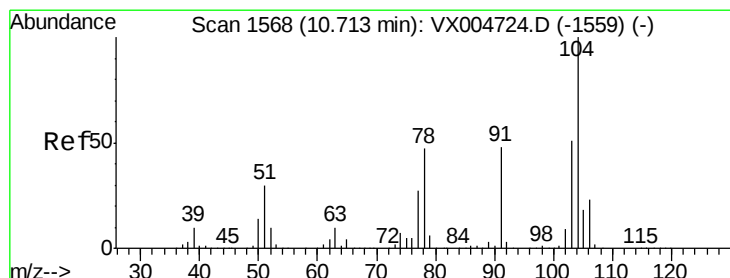
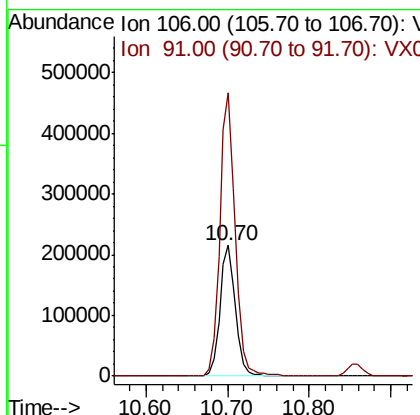
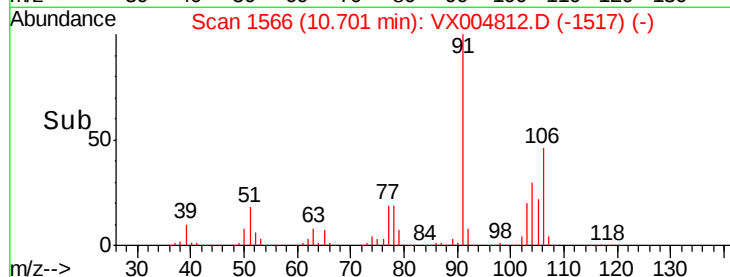
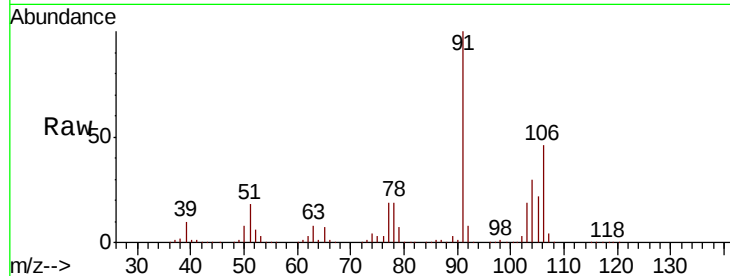
#69
o-Xylene
Concen: 56.363 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 284584
Ion Ratio Lower Upper
106 100
91 215.1 105.1 315.1

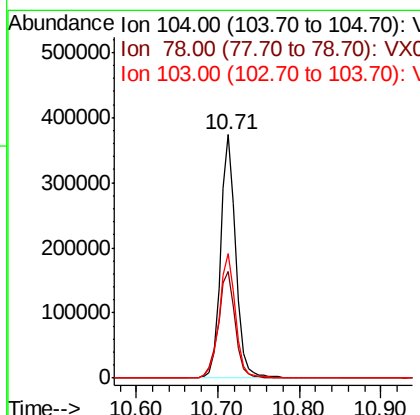
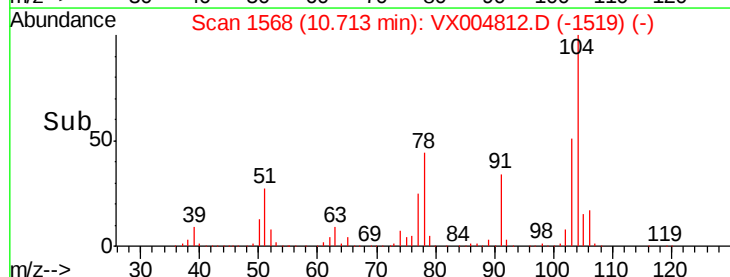
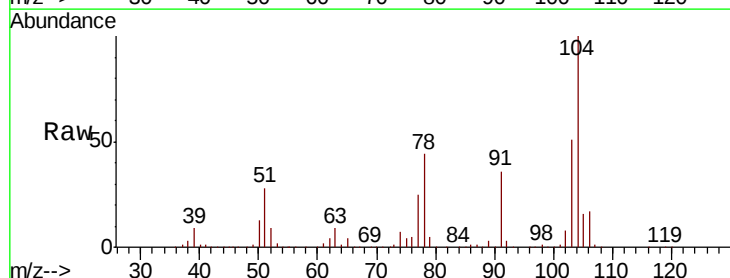
Manual Integrations
APPROVED

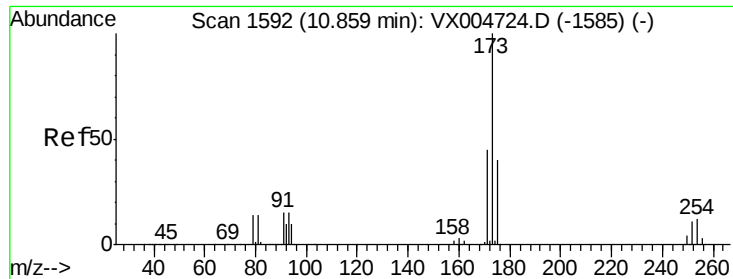
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#70
Styrene
Concen: 51.101 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion:104 Resp: 483028
Ion Ratio Lower Upper
104 100
78 49.6 37.4 56.0
103 55.6 43.8 65.6





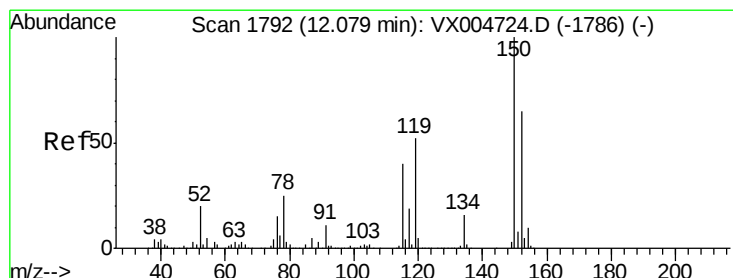
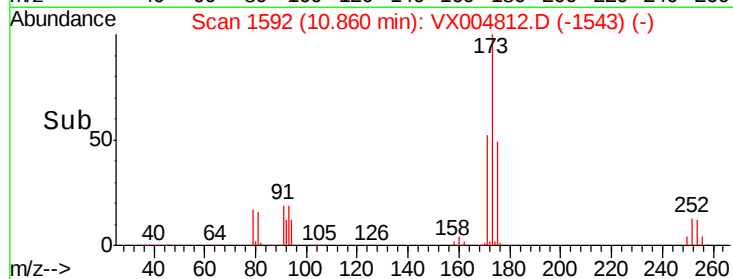
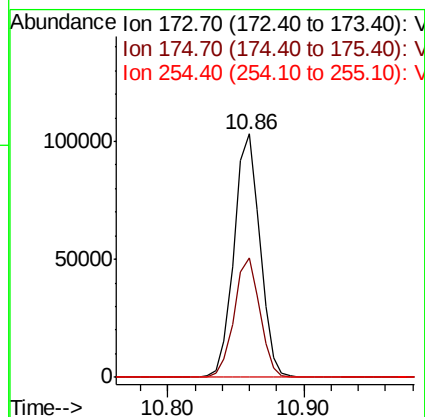
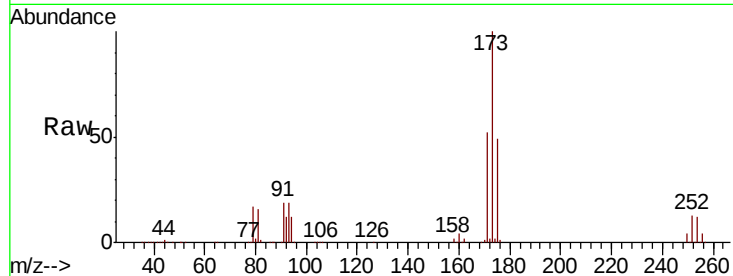
#71
Bromoform
Concen: 51.199 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.1	0.2	0.2

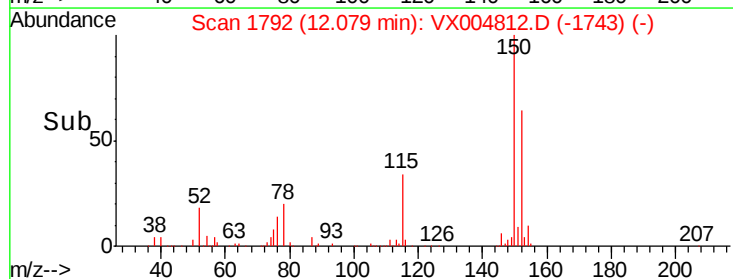
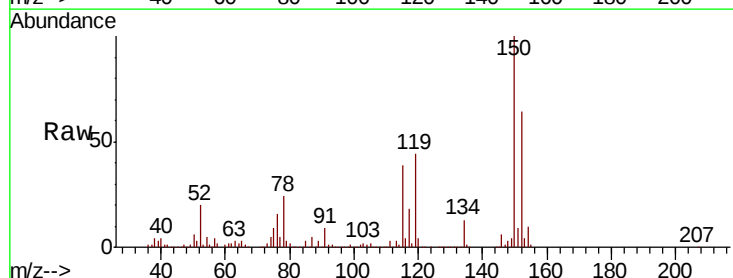
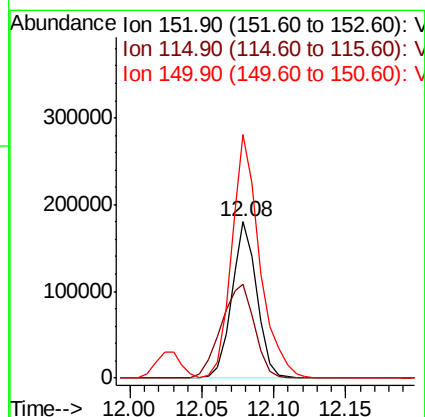
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.4	39.0	117.0
150	174.1	0.0	351.0





#73

Isopropylbenzene

Concen: 56.000 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 772470

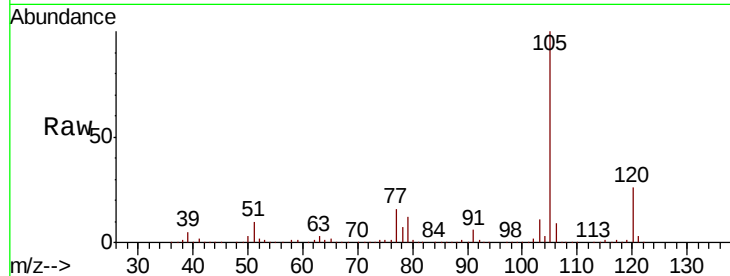
Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.4

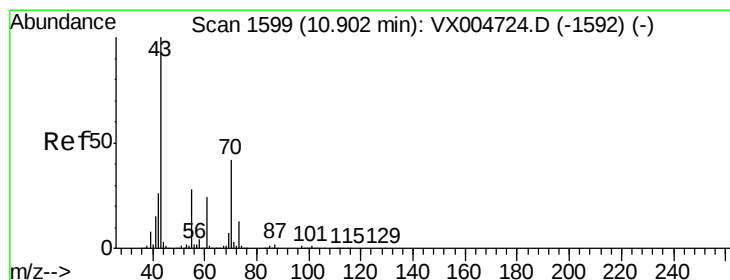
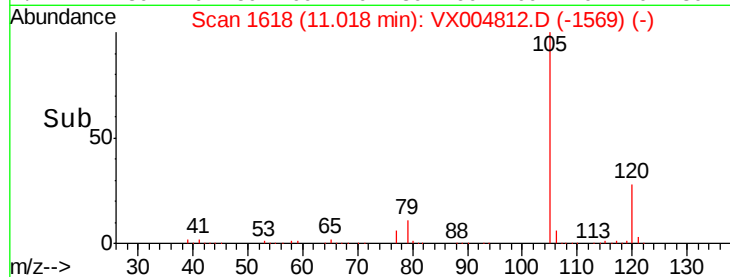
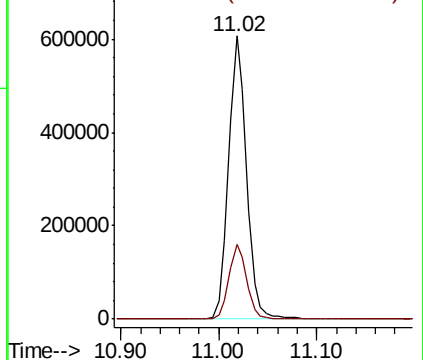
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.301 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion: 43 Resp: 373603

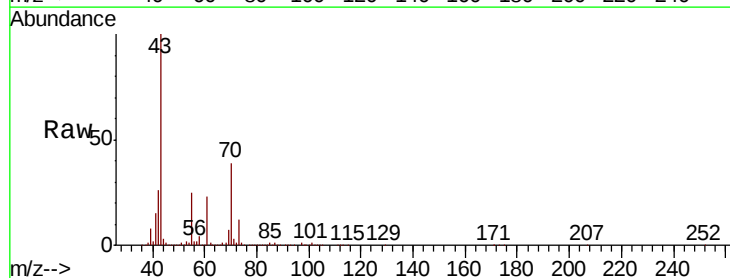
Ion Ratio Lower Upper

43 100

70 40.5 37.4 56.0

55 25.1 21.8 32.8

61 23.5 20.6 30.8

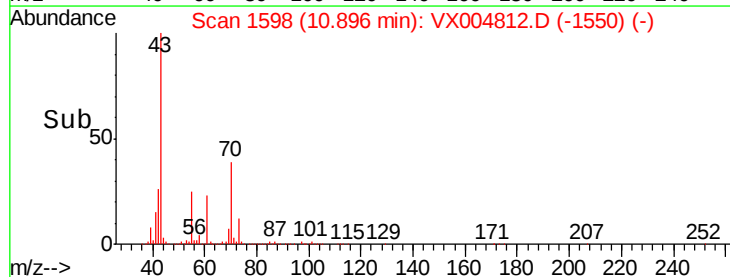
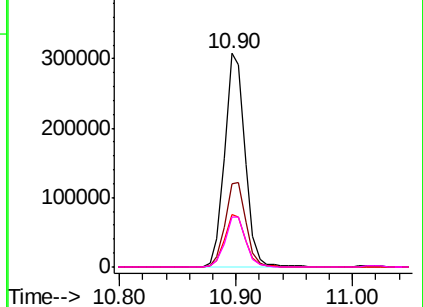


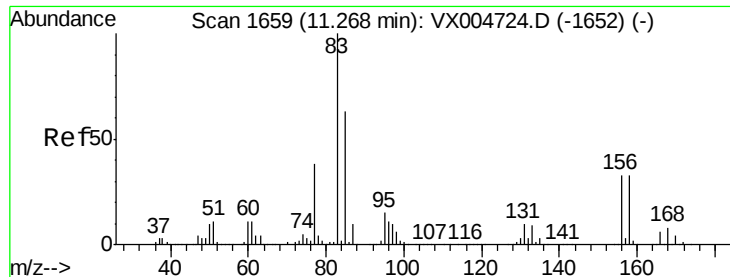
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.594 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

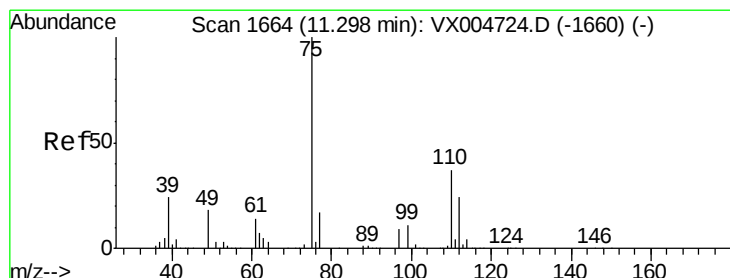
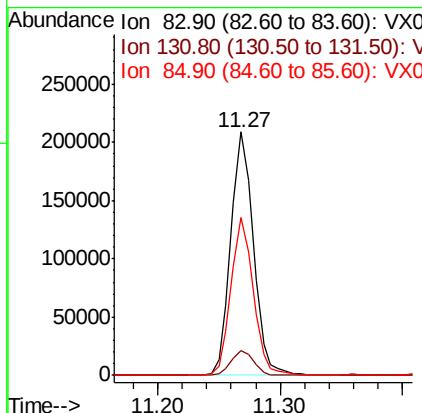
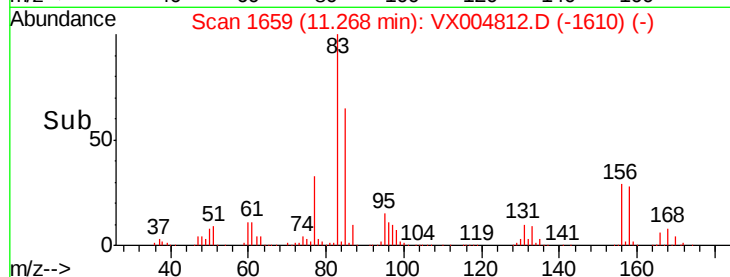
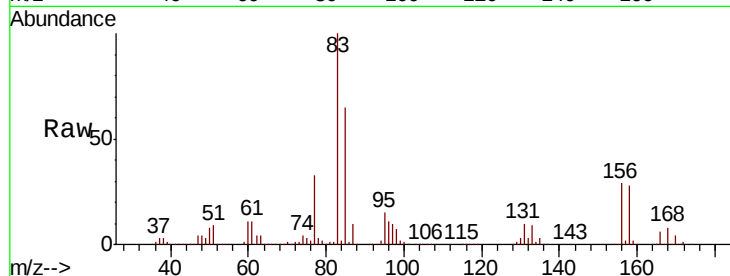
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	267247
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.862 ug/l m

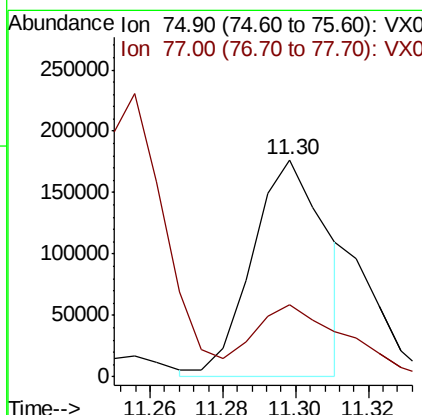
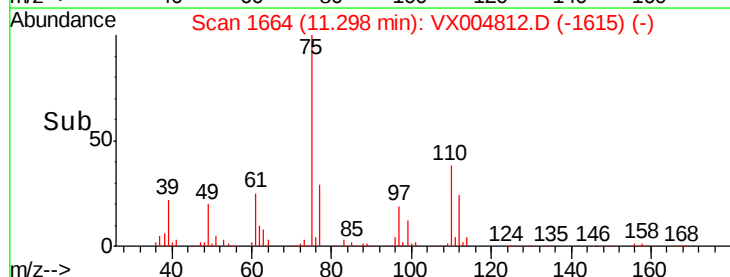
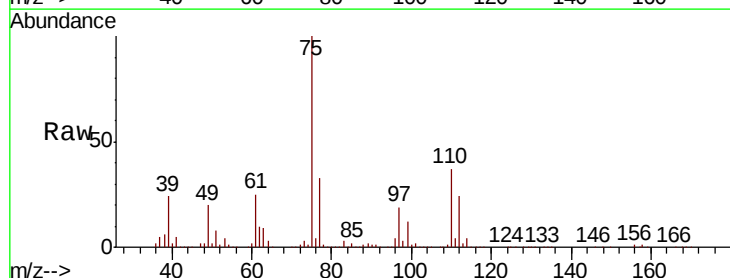
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion:	75	Resp:	249486
Ion Ratio	Lower	Upper	
75	100		
77	40.8	20.2	60.6





#77

Bromobenzene

Concen: 50.673 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 203026

Ion Ratio Lower Upper

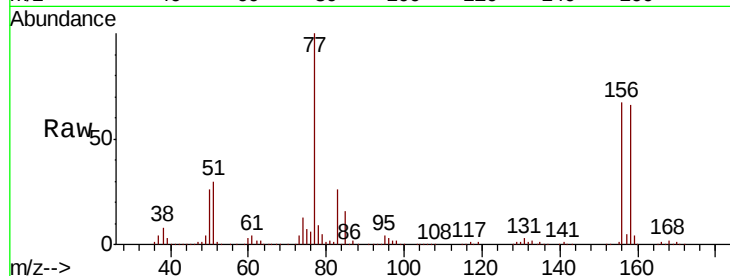
156 100

77 149.0 71.5 214.3

158 97.5 48.9 146.8

Manual Integrations
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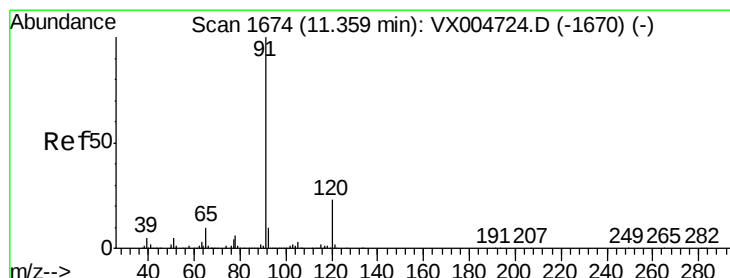
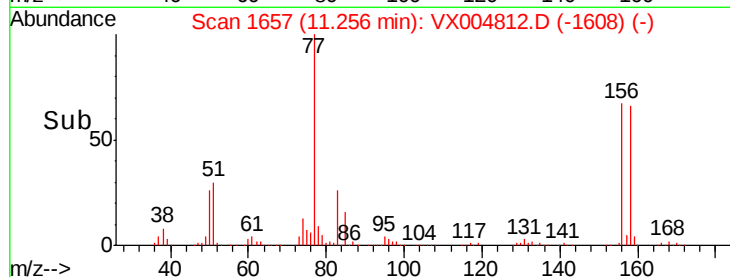
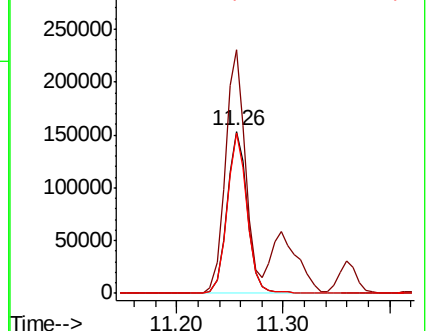
MMDadoda
10/1/2018 1:31:26 PM



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: 57.688 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004812.D

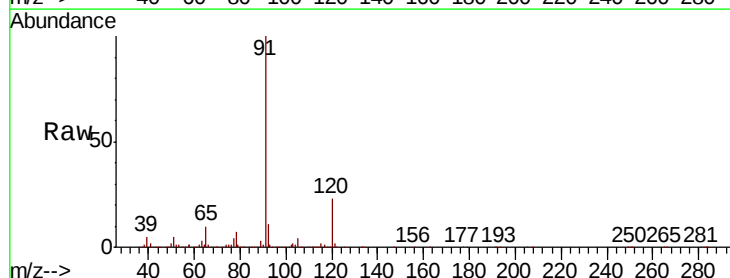
Acq: 28 Sep 2018 09:58

Tgt Ion: 91 Resp: 913039

Ion Ratio Lower Upper

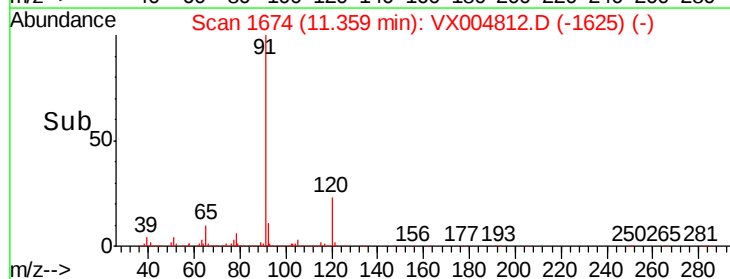
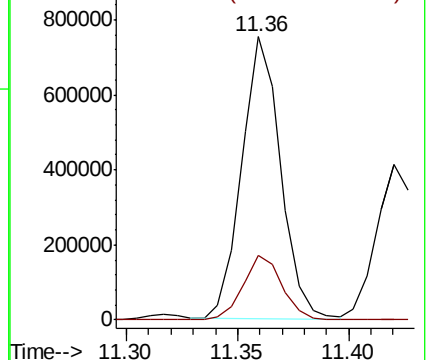
91 100

120 23.4 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: 53.294 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 525761

Ion Ratio Lower Upper

91 100

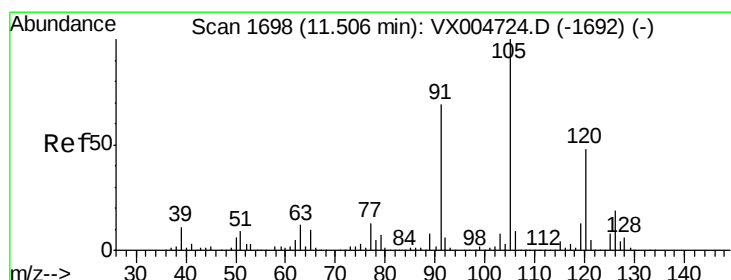
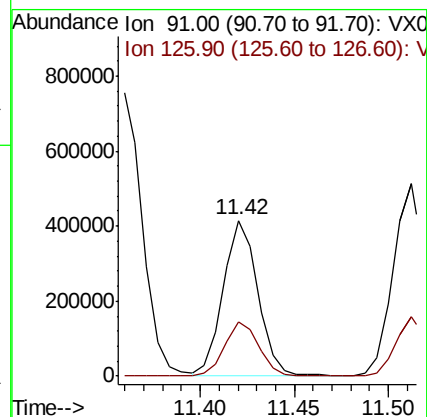
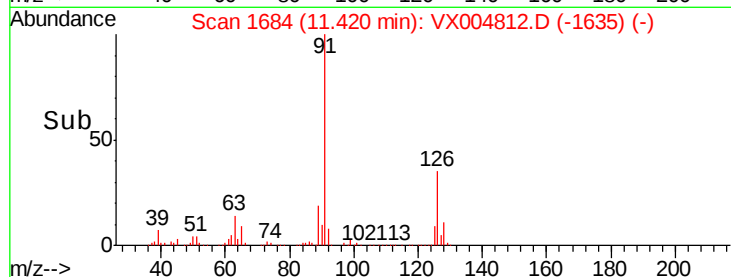
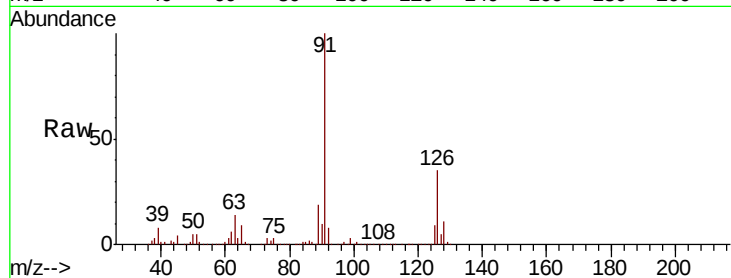
126 35.1 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.330 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004812.D

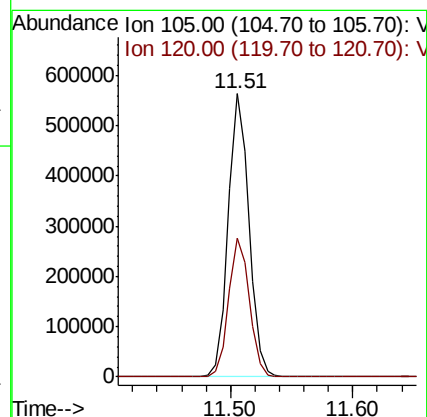
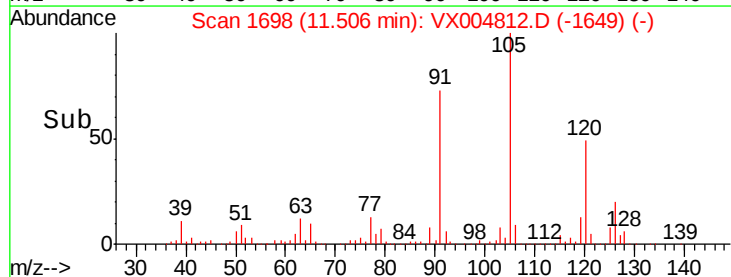
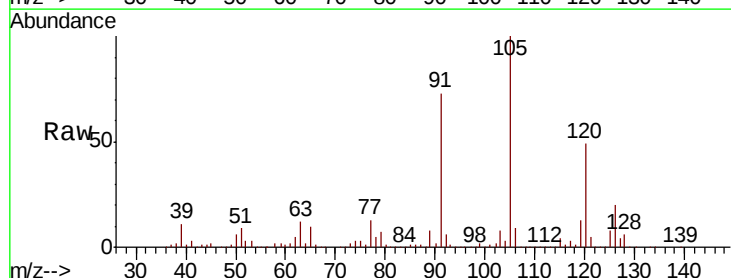
Acq: 28 Sep 2018 09:58

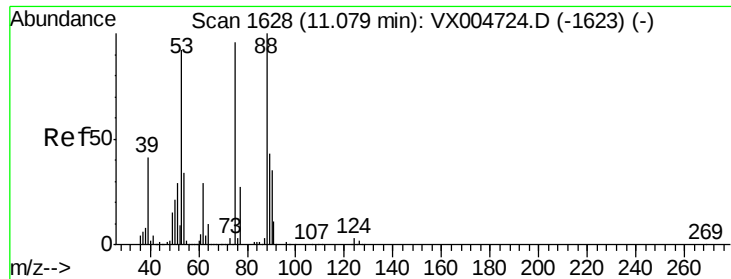
Tgt Ion: 105 Resp: 661477

Ion Ratio Lower Upper

105 100

120 49.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.177 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

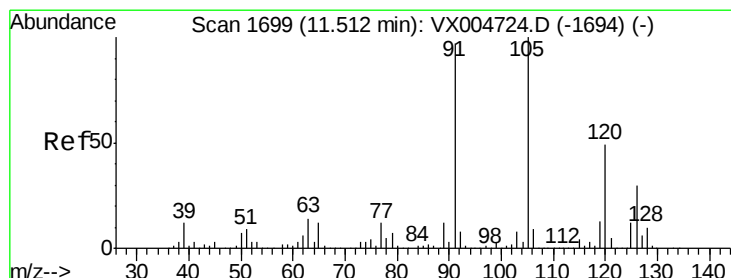
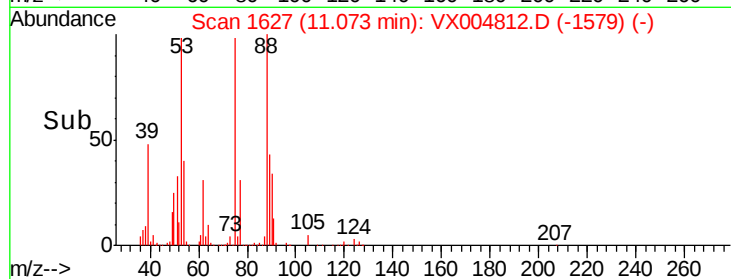
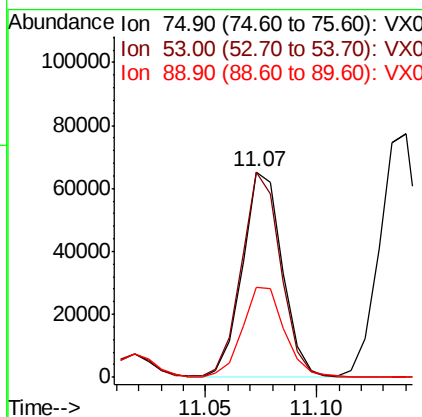
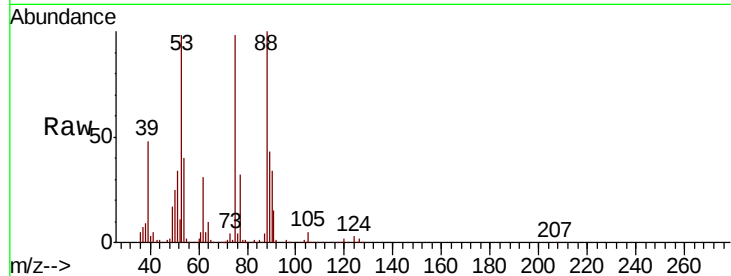
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	80891
Ion	Ratio	Lower	Upper
75	100		
53	99.0	80.1	120.1
89	47.2	37.2	55.8

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#82

4-Chlorotoluene

Concen: 54.922 ug/l

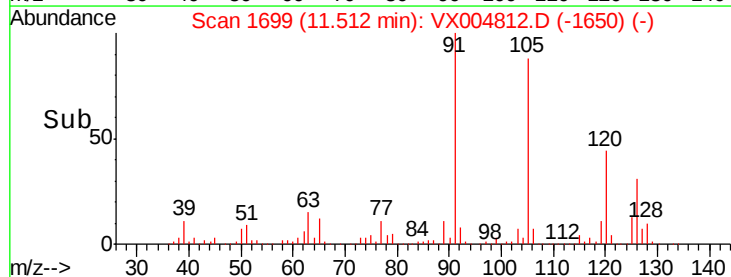
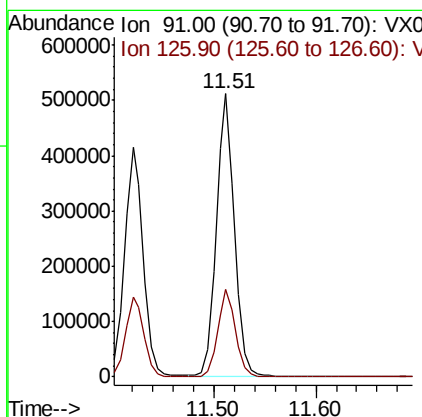
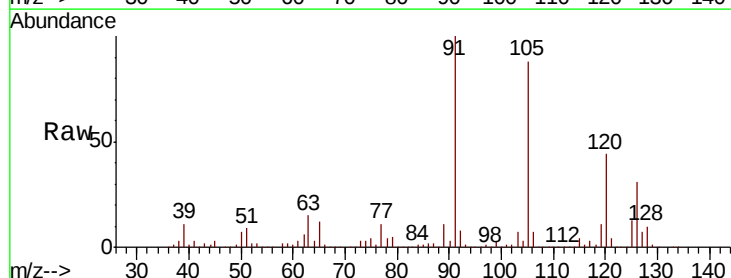
RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Tgt Ion:	91	Resp:	637746
Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.5	46.5





#83

tert-Butylbenzene

Concen: 57.435 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

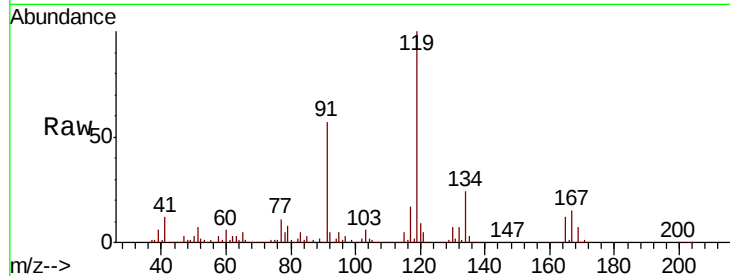
ClientSampleId :

VSTDCCC050

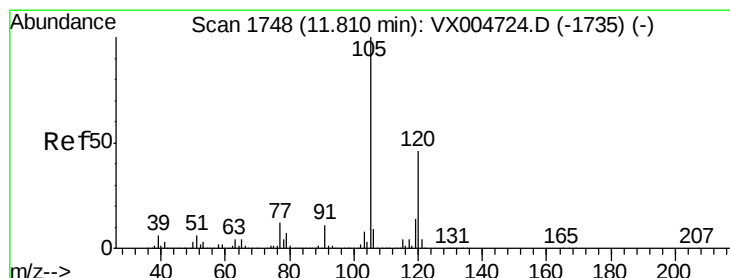
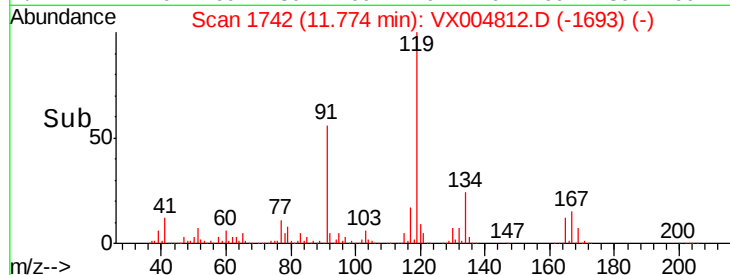
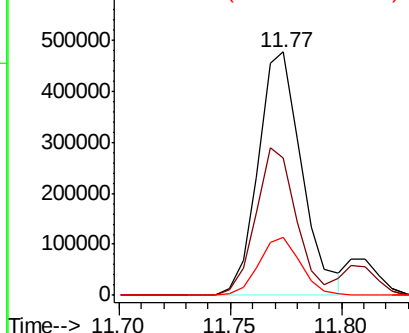
Tot Ion:	119	Resp:	652297
Ion Ratio	Lower	Upper	
119	100		
91	55.9	27.0	81.0
134	22.7	11.7	35.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.614 ug/l

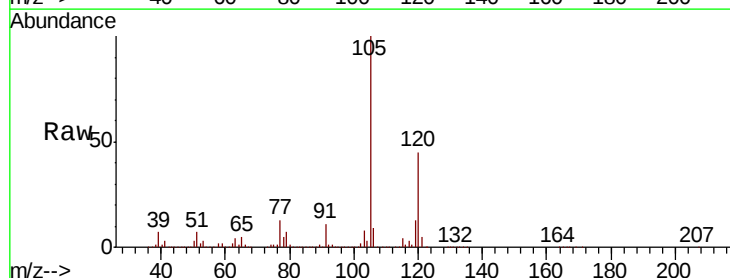
RT: 11.80 min Scan# 1747

Delta R.T. -0.01 min

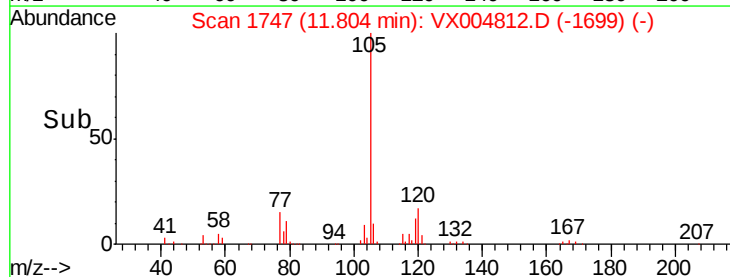
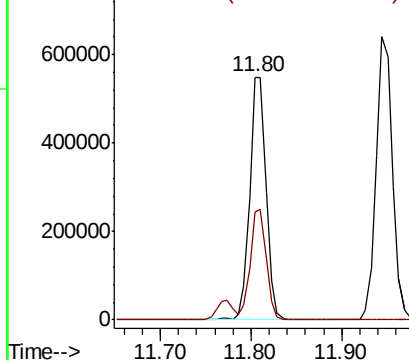
Lab File: VX004812.D

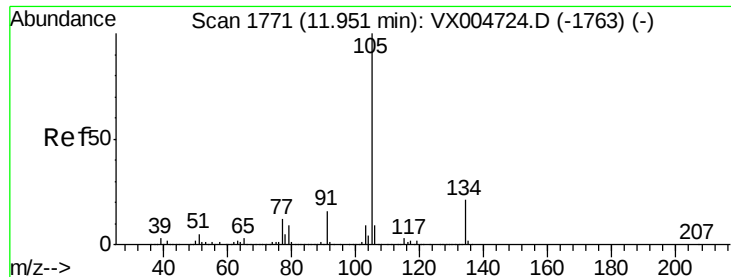
Acq: 28 Sep 2018 09:58

Tgt Ion:	105	Resp:	685854
Ion Ratio	Lower	Upper	
105	100		
120	44.6	23.2	69.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.553 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 796150

Ion Ratio Lower Upper

105 100

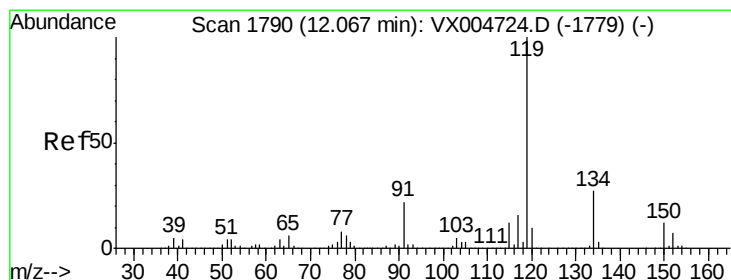
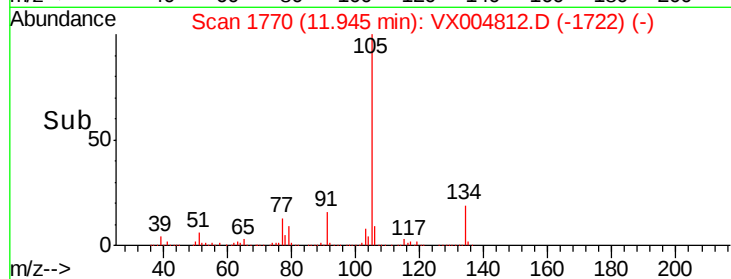
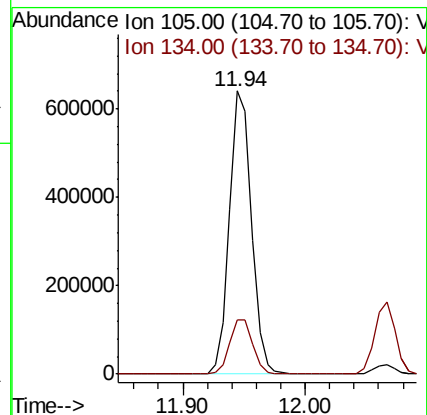
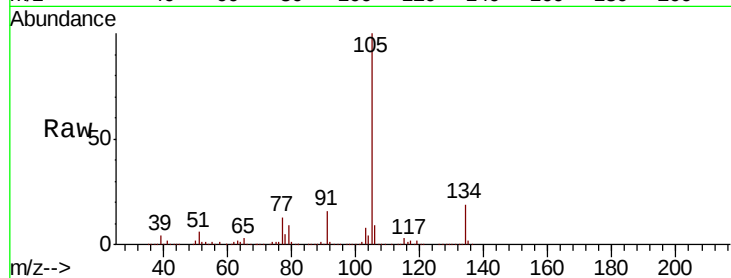
134 20.2 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 57.993 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004812.D

Acq: 28 Sep 2018 09:58

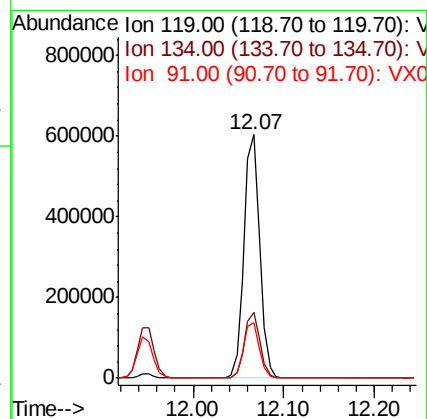
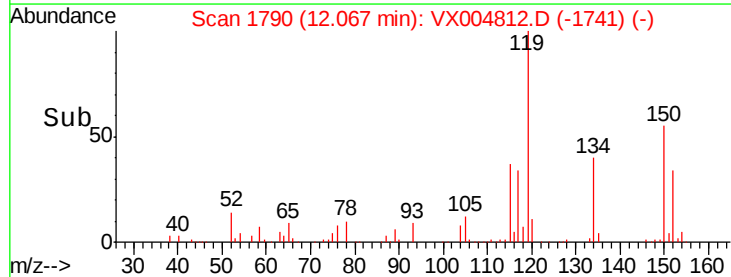
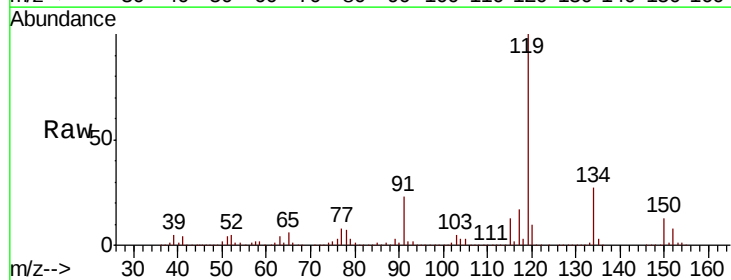
Tgt Ion:119 Resp: 726832

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.9 10.9 32.7





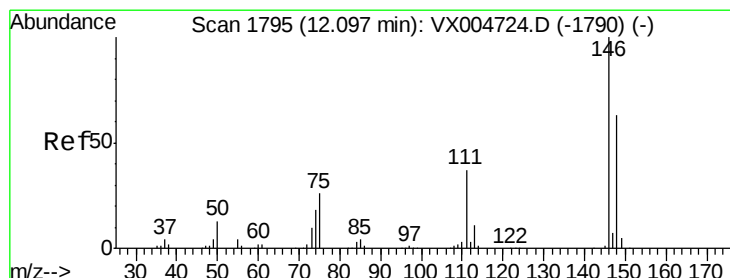
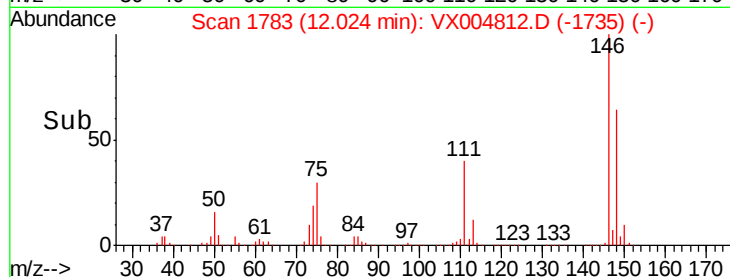
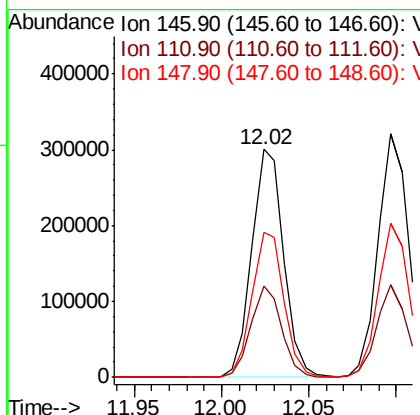
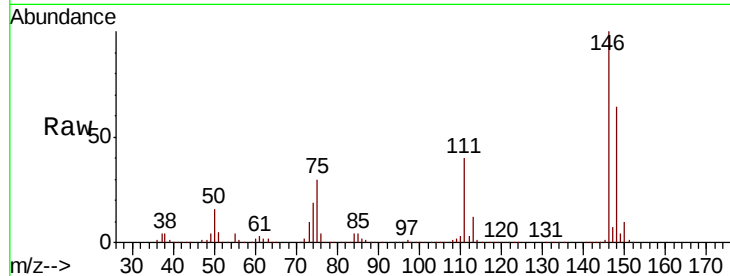
#87
 1,3-Dichlorobenzene
 Concen: 51.282 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.7	56.1
148	63.9	32.1	96.5

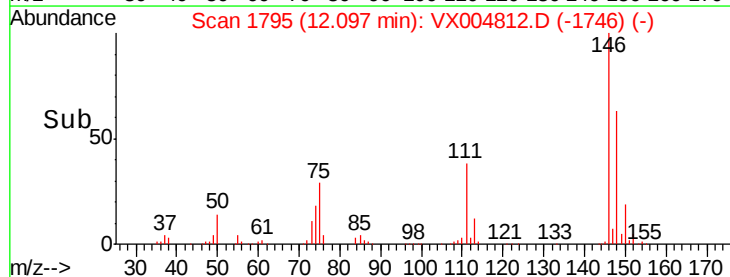
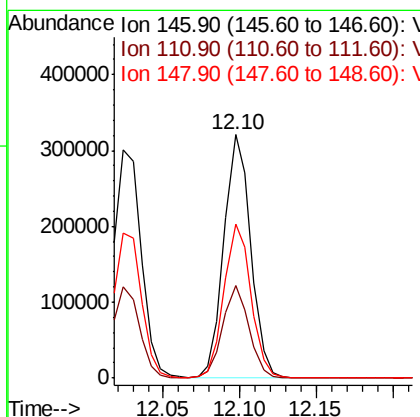
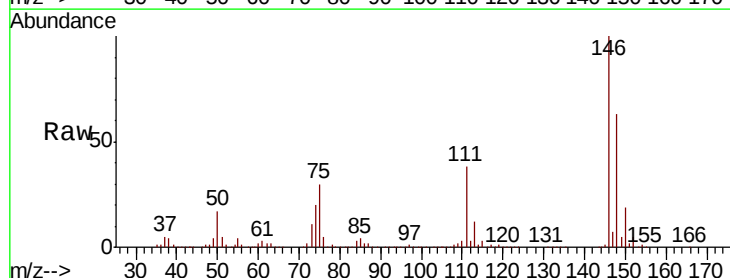
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 50.578 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	63.7	32.0	96.0





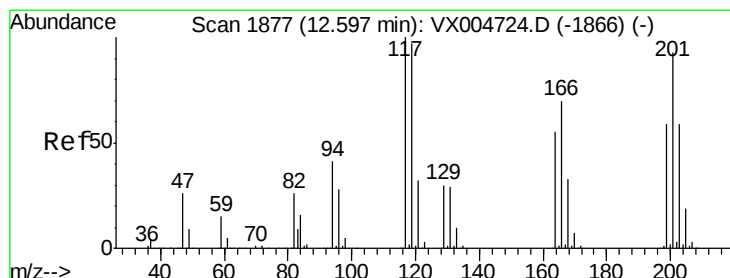
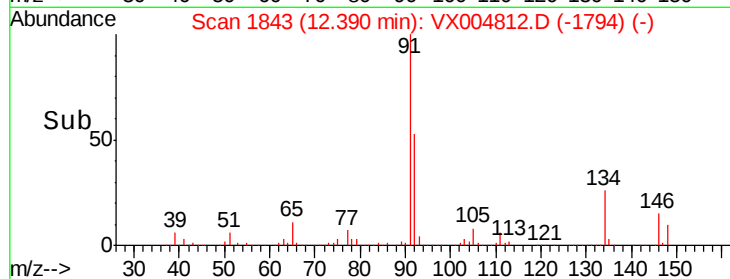
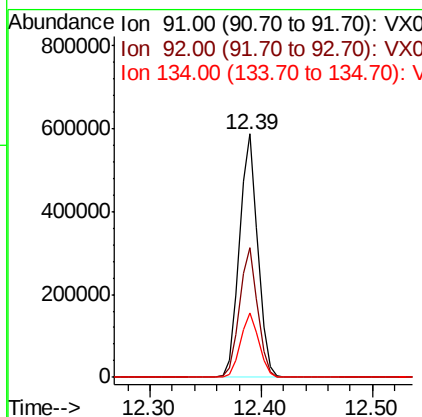
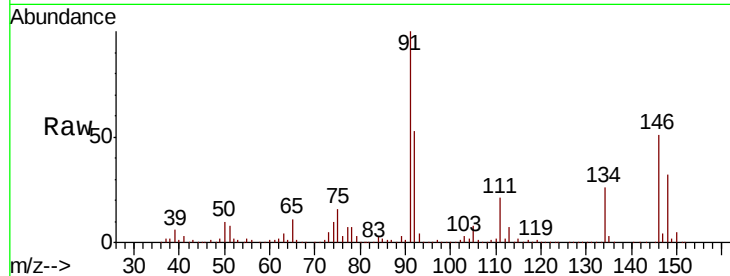
#89
n-Butylbenzene
Concen: 58.683 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	26.3	13.6	40.7

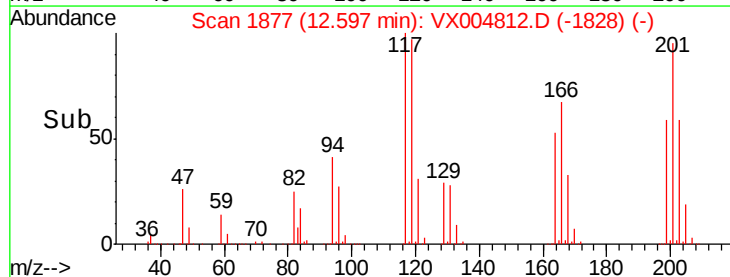
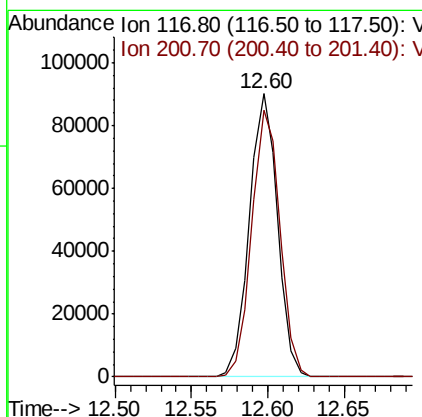
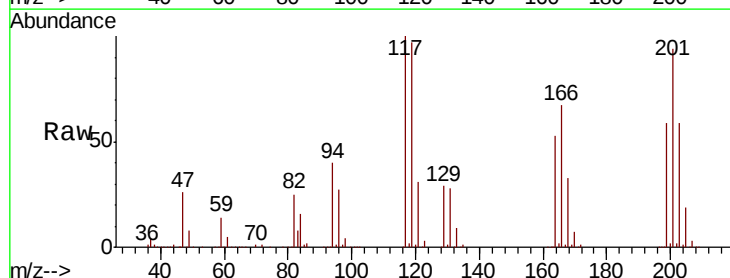
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#90
Hexachloroethane
Concen: 55.104 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.0	46.9	140.6





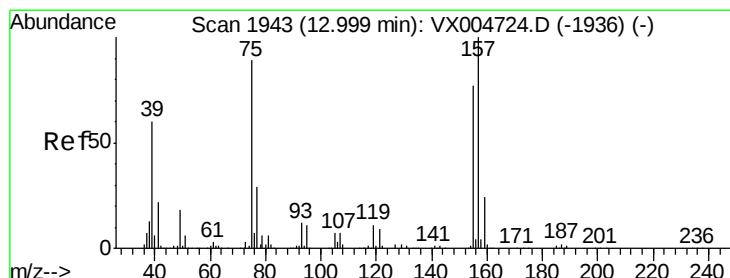
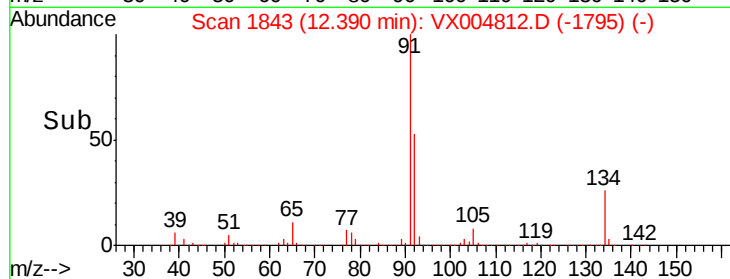
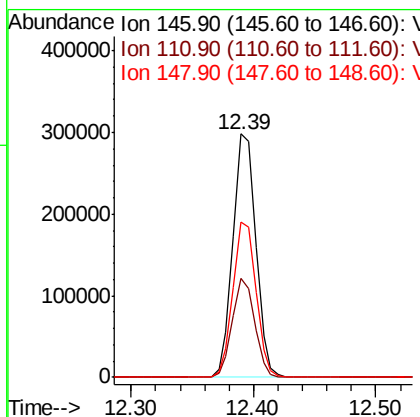
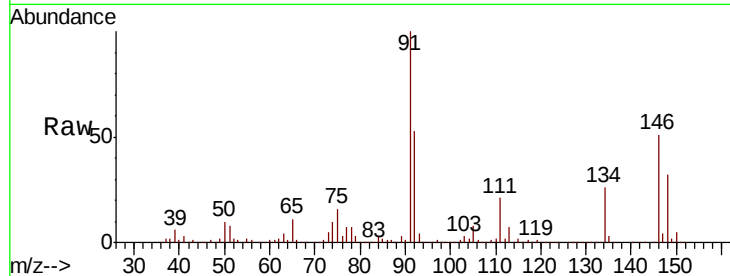
#91
 1,2-Dichlorobenzene
 Concen: 49.284 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.1
148	64.1	32.8	98.3

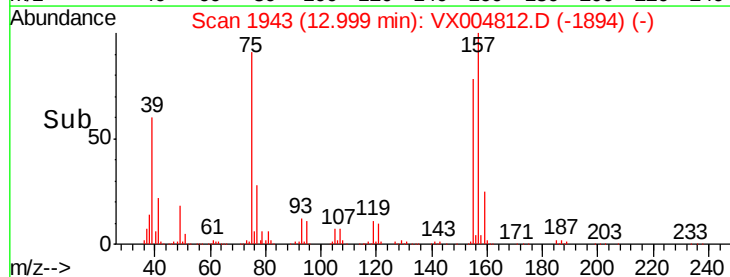
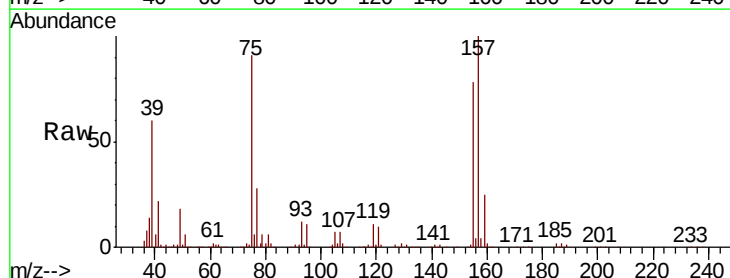
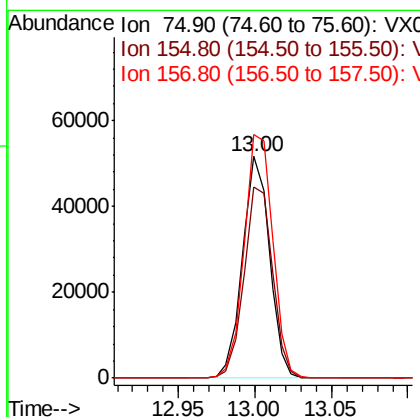
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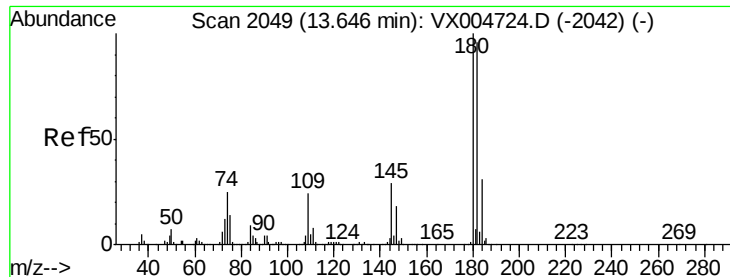
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.615 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	48.0	144.2
157	116.3	61.4	184.1





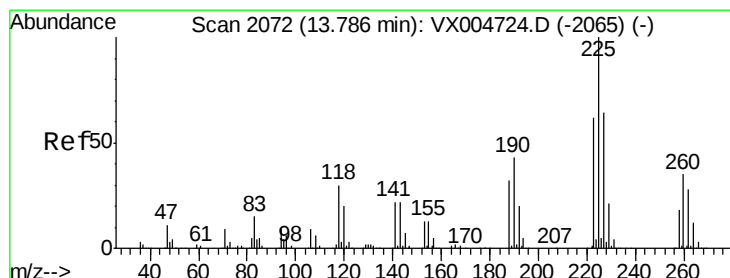
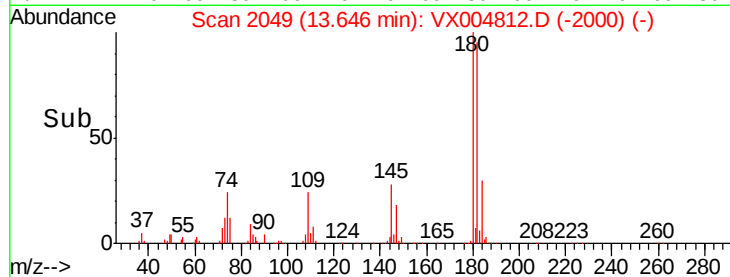
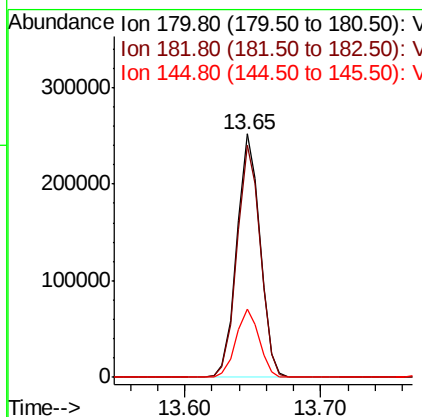
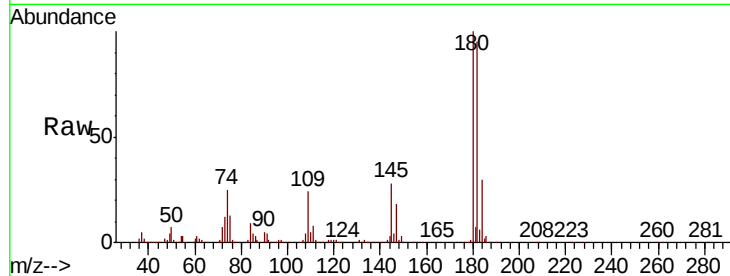
#93
 1,2,4-Trichlorobenzene
 Concen: 54.395 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	298331
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.4	145.0
145	28.0	14.3	42.9

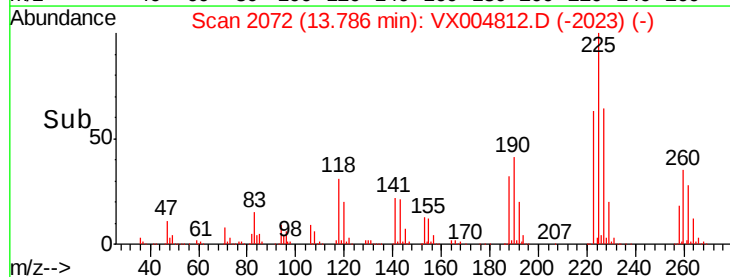
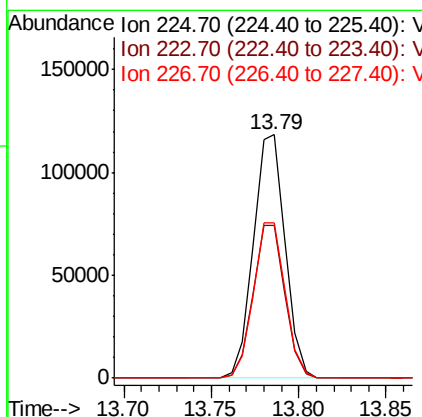
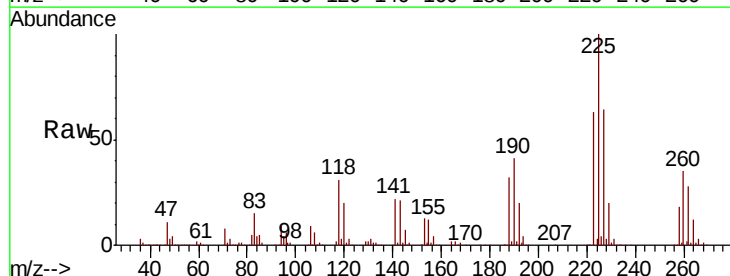
Manual Integrations
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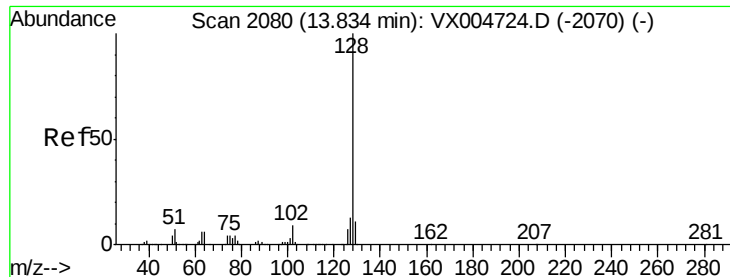
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 52.905 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004812.D
 Acq: 28 Sep 2018 09:58

Tgt Ion:	225	Resp:	150464
Ion Ratio	Lower	Upper	
225	100		
223	63.0	30.1	90.5
227	63.8	30.8	92.4





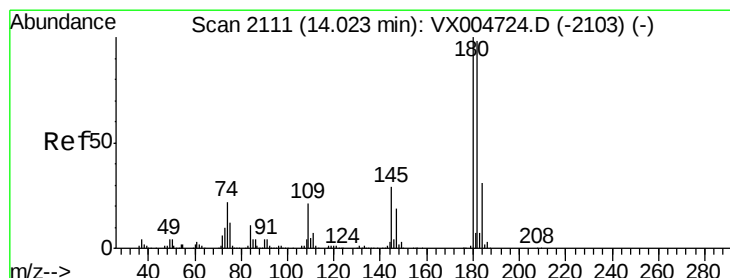
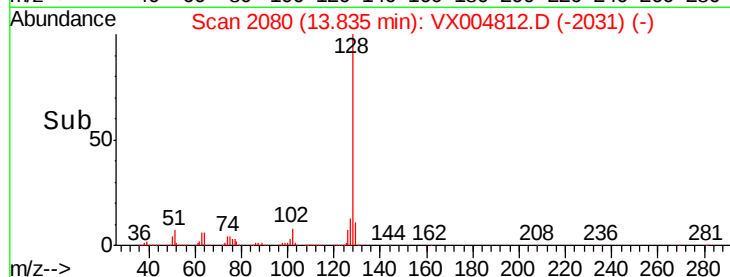
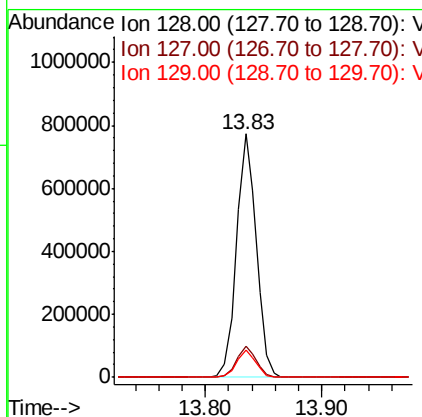
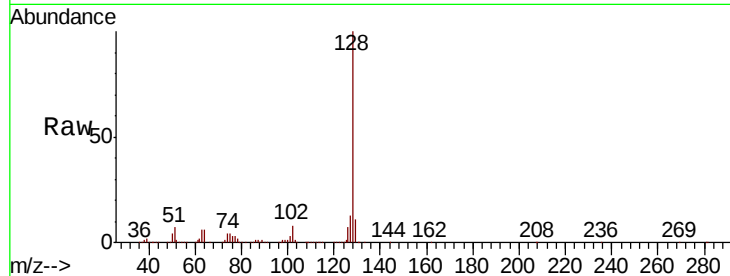
#95
Naphthalene
Concen: 50.200 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/1/2018 1:31:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.802 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX004812.D
Acq: 28 Sep 2018 09:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.5	145.6
145	29.8	14.9	44.9

