

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004910.D
 Acq On : 02 Oct 2018 10:05
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:04 PM

Quant Time: Oct 03 04:32:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	48284	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	252806	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	240950	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	106077	28.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.37%
60) 4-Bromofluorobenzene	11.14	95	116910	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	8.71	98	329639	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	13806	3.673 ug/l	98
3) Chloromethane	1.32	50	16929	4.340 ug/l	100
4) Vinyl Chloride	1.40	62	17049	4.276 ug/l	99
5) Bromomethane	1.64	94	8904	4.654 ug/l	97
6) Chloroethane	1.71	64	11845	5.174 ug/l	90
7) Trichlorofluoromethane	1.93	101	23335	4.594 ug/l	98
8) Diethyl Ether	2.19	74	9864	4.764 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	14603	5.006 ug/l	99
10) 1,1-Dichloroethene	2.37	96	13293	4.811 ug/l	95
11) Methyl Iodide	2.51	142	5435	2.416 ug/l	94
12) Methyl Acetate	2.78	43	25307	4.542 ug/l	100
13) Acrolein	2.29	56	13531	26.287 ug/l	92
14) Acrylonitrile	3.15	53	55804	24.511 ug/l	99
15) Acetone	2.45	58	21084	27.704 ug/l	97
16) Carbon Disulfide	2.57	76	35750	4.412 ug/l	98
17) Allyl chloride	2.73	41	28817	4.690 ug/l	97
18) Methylene Chloride	2.85	84	16314	5.077 ug/l	98
19) trans-1,2-Dichloroethene	3.16	96	14362	4.866 ug/l	94
20) Diisopropyl ether	3.87	45	51451	4.912 ug/l	98
21) 1,1-Dichloroethane	3.69	63	28964	5.018 ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	15638	4.789 ug/l	97
23) tert-Butyl Alcohol	3.07	59	24882	23.672 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	49054	4.831 ug/l	100
25) Chloroform	5.21	83	26424	4.865 ug/l	96
26) Cyclohexane	5.57	56	21984	4.438 ug/l	# 99
29) 1,1-Dichloropropene	5.79	75	18917	5.057 ug/l	98
30) 2-Butanone	4.70	43	82798	27.223 ug/l	99
31) 2,2-Dichloropropane	4.58	77	21178	5.160 ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	21739	5.055 ug/l	99
33) Carbon Tetrachloride	5.77	117	18997	5.030 ug/l	100
34) Benzene	6.14	78	58169	5.124 ug/l	95
35) Methacrylonitrile	5.06	41	14382	5.088 ug/l	95
36) 1,2-Dichloroethane	6.20	62	21743	5.317 ug/l	98
37) Trichloroethene	7.21	130	15463	5.171 ug/l	100
38) Methylcyclohexane	7.46	83	21414	4.821 ug/l	98
39) 1,2-Dichloropropane	7.51	63	15362	5.079 ug/l	99
40) Dibromomethane	7.66	93	10129	5.167 ug/l	98

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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 10/3/2018 4:23:04 PM

Quant Time: Oct 03 04:32:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	18705	4.949	ug/l	98
42) Vinyl Acetate	3.82	43	236902	26.922	ug/l	100
43) Ethyl Acetate	4.85	43	26012	5.185	ug/l	97
44) Isopropyl Acetate	6.46	43	35736	4.773	ug/l	99
45) 1,4-Dioxane	7.76	88	8437	95.646	ug/l	95
46) Methyl methacrylate	7.77	41	17944	4.619	ug/l	98
47) n-amyl Acetate	10.90	43	29953	4.336	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	19412	4.238	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	21904	4.945	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	15257	5.140	ug/l	92
51) Ethyl methacrylate	9.18	69	20803	4.416	ug/l	97
52) 1,3-Dichloropropane	9.37	76	25589	5.110	ug/l	100
53) Dibromochloromethane	9.59	129	14615	4.746	ug/l	100
54) 1,2-Dibromoethane	9.67	107	15626	5.052	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	59270	23.846	ug/l	97
56) Bromoform	10.86	173	11079	4.308	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	127051	23.484	ug/l	98
59) 2-Hexanone	9.49	43	105936	23.767	ug/l	99
61) Tetrachloroethene	9.34	164	14955	5.100	ug/l	94
62) Toluene	8.79	91	63808	5.039	ug/l	99
64) Chlorobenzene	10.14	112	41582	5.085	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	14265	4.799	ug/l	99
66) Ethyl Benzene	10.25	91	67055	4.850	ug/l	98
67) m/p-Xylenes	10.36	106	51281	9.527	ug/l	95
68) o-Xylene	10.70	106	24452	4.713	ug/l	98
69) Styrene	10.71	104	39124	4.484	ug/l	99
70) Isopropylbenzene	11.02	105	65457	4.711	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	24827	4.811	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	23319m	4.960	ug/l	
73) Bromobenzene	11.26	156	18698	4.896	ug/l	97
74) n-propylbenzene	11.36	91	77462	4.738	ug/l	98
75) 2-Chlorotoluene	11.42	91	48637	4.878	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	55701	4.646	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	5752	3.721	ug/l	88
78) 4-Chlorotoluene	11.51	91	55720	4.808	ug/l	98
79) tert-butylbenzene	12.07	119	57988	4.558	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	55459	4.536	ug/l	99
81) sec-Butylbenzene	11.94	105	66364	4.690	ug/l	99
82) p-Isopropyltoluene	12.07	119	57988	4.558	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	34091	4.827	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	35152	4.905	ug/l	99
85) n-Butylbenzene	12.39	91	50542	4.374	ug/l	100
86) Hexachloroethane	12.60	117	9251	4.414	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	34839	4.853	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	5349	4.485	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	24203	4.519	ug/l	100
90) Hexachlorobutadiene	13.79	225	13328	5.041	ug/l	98
91) Naphthalene	13.83	128	70370	4.226	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	26213	4.773	ug/l	97

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Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

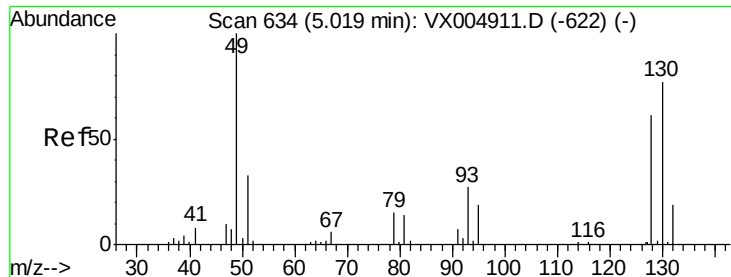
Manual Integrations
APPROVED

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Quant Time: Oct 03 04:32:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 03 04:23:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

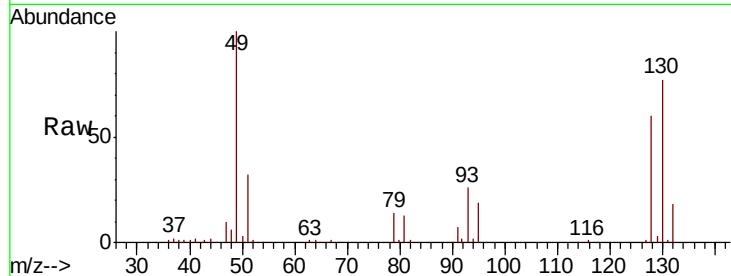
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	48284
Ion	Ratio	Lower	Upper
128	100		
49	170.4	0.0	429.5
130	130.0	0.0	325.8

Manual Integrations
APPROVED

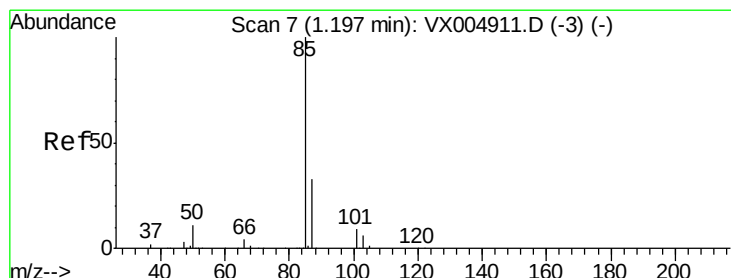
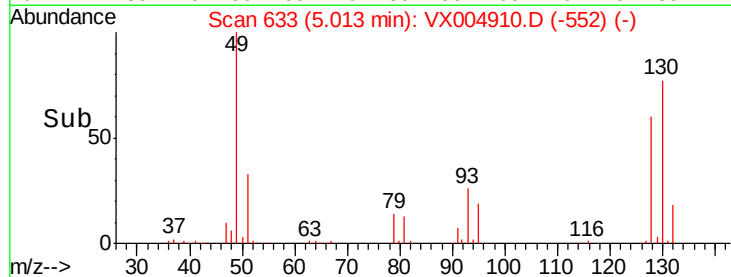
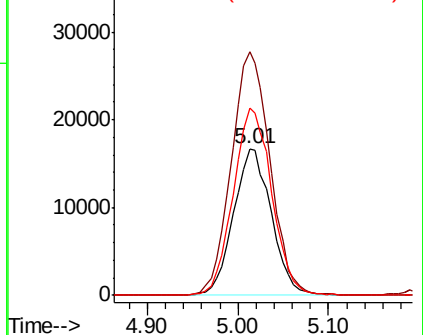
MMDadoda
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 3.673 ug/l

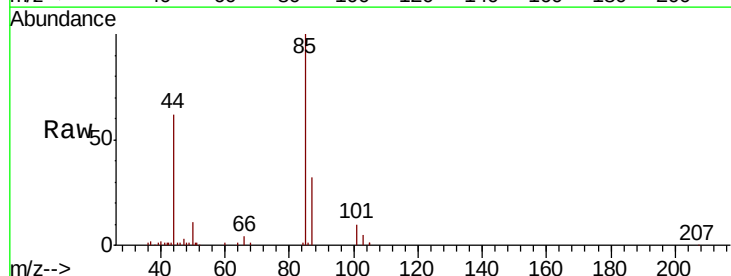
RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004910.D

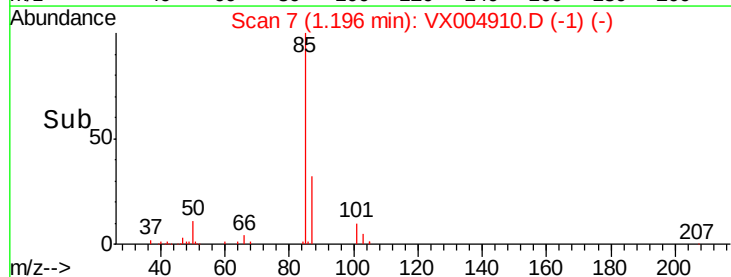
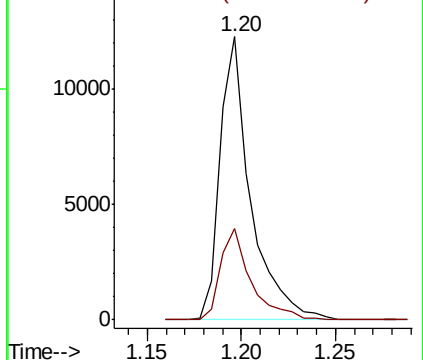
Acq: 02 Oct 2018 10:05

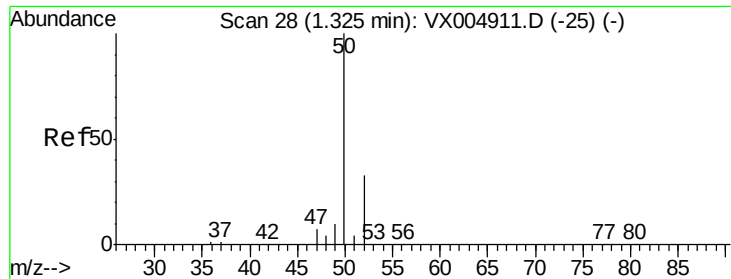
Tgt Ion:	85	Resp:	13806
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.5	49.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 4.340 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 16929

Ion Ratio Lower Upper

50 100

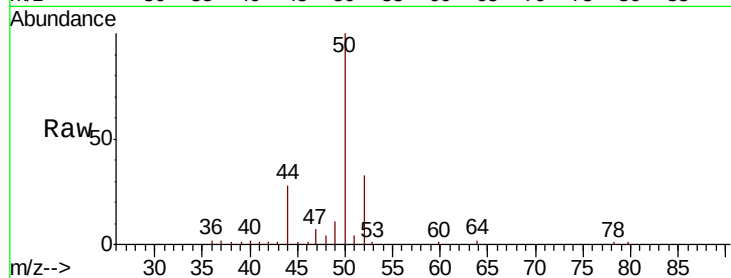
52 32.6 26.1 39.1

Manual Integrations

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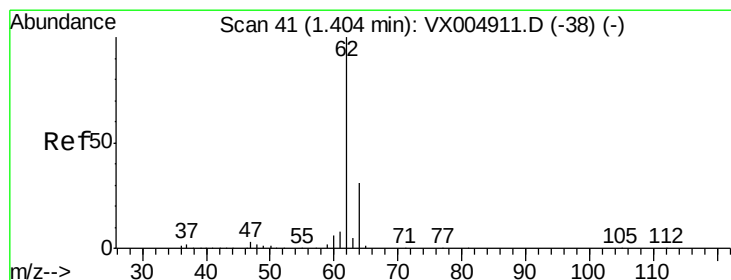
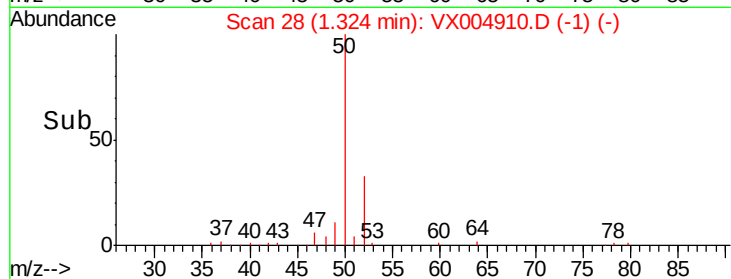
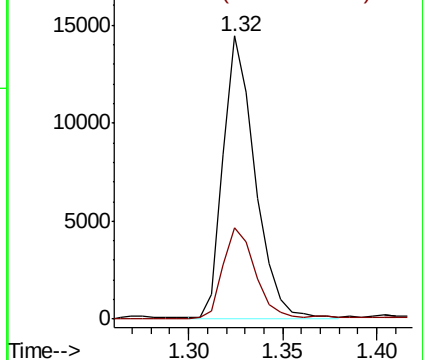
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 4.276 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004910.D

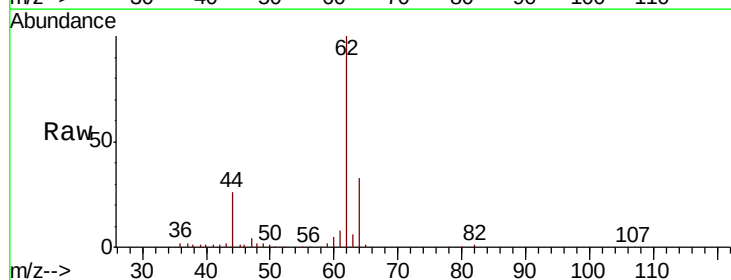
Acq: 02 Oct 2018 10:05

Tgt Ion: 62 Resp: 17049

Ion Ratio Lower Upper

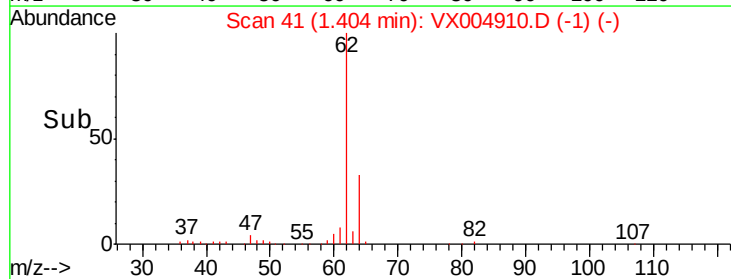
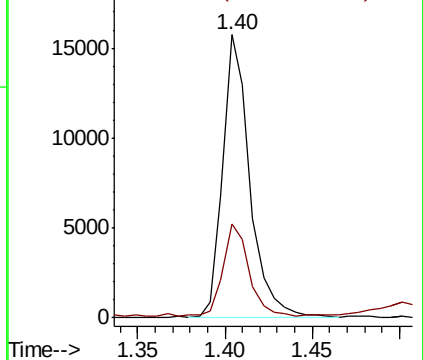
62 100

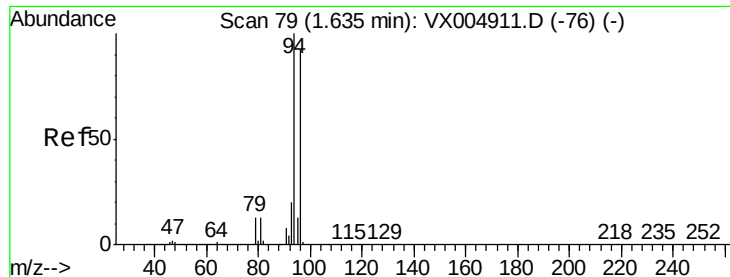
64 32.1 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 4.654 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8904

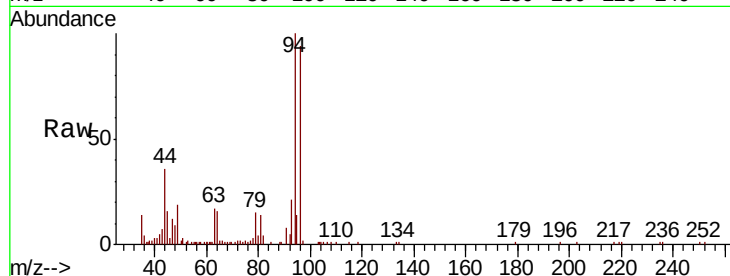
Ion Ratio Lower Upper

94 100

96 94.9 73.8 110.8

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

10000

8000

6000

4000

2000

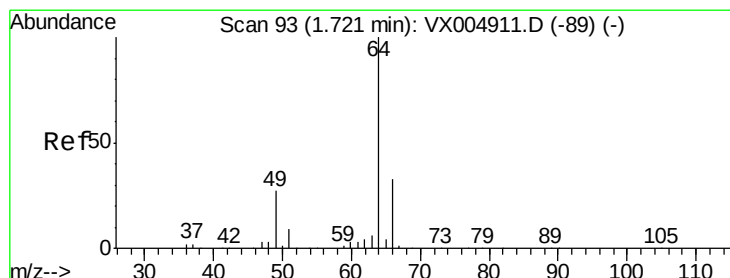
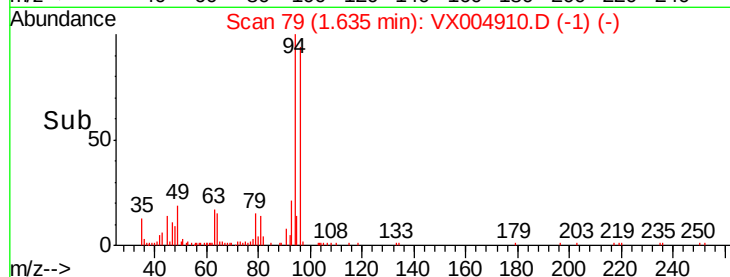
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 5.174 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX004910.D

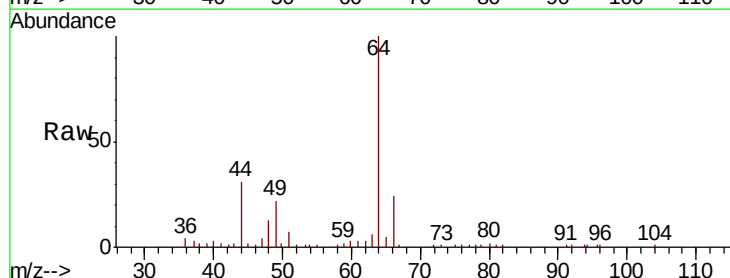
Acq: 02 Oct 2018 10:05

Tgt Ion: 64 Resp: 11845

Ion Ratio Lower Upper

64 100

66 27.2 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

10000

8000

6000

4000

2000

0

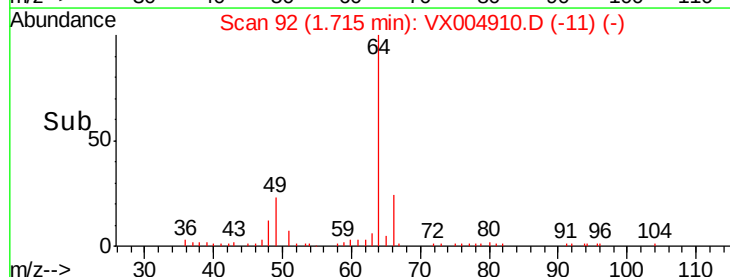
1.65

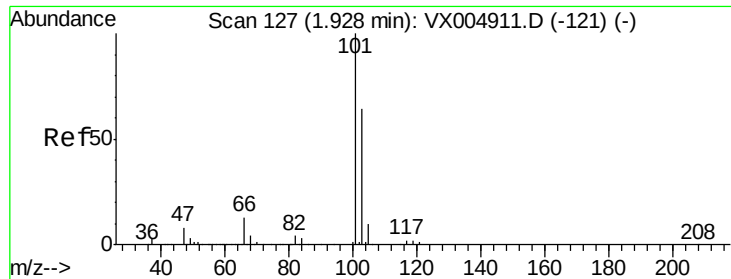
1.70

1.75

1.80

Time-->





#7

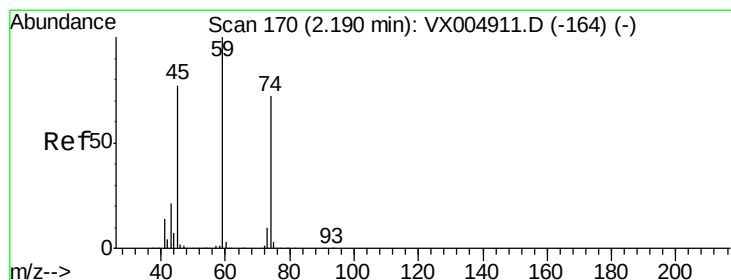
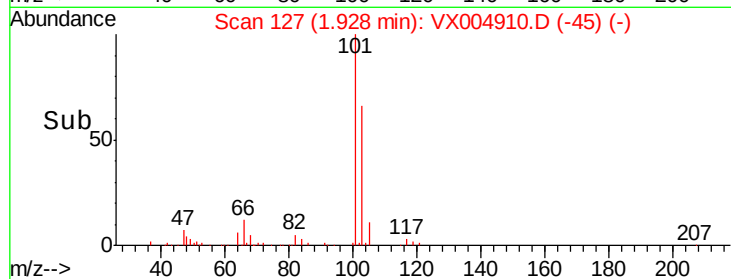
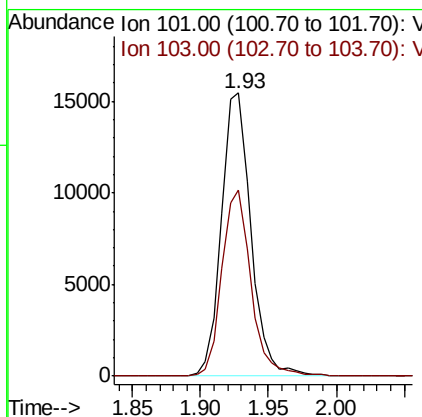
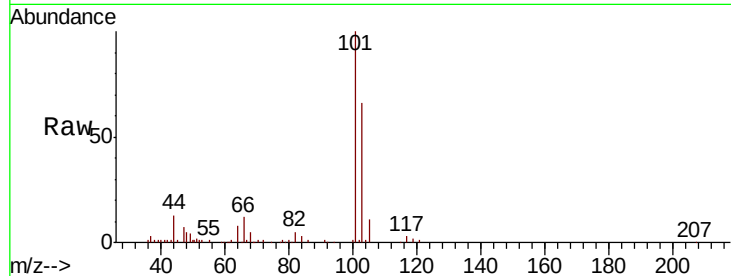
Trichlorofluoromethane
 Concen: 4.594 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.1	76.7

Manual Integrations
 APPROVED

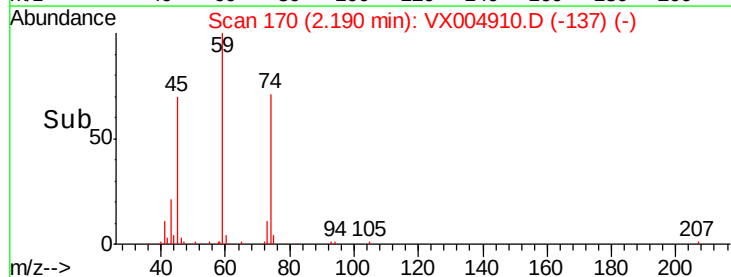
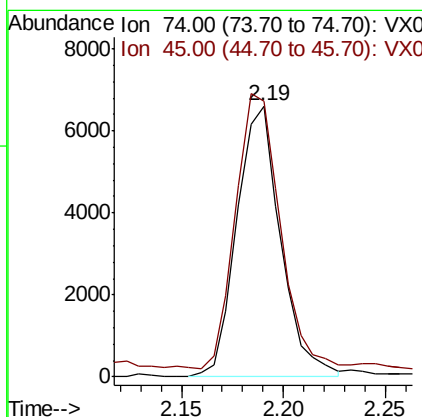
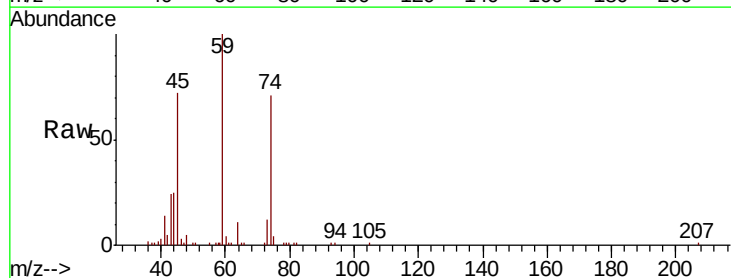
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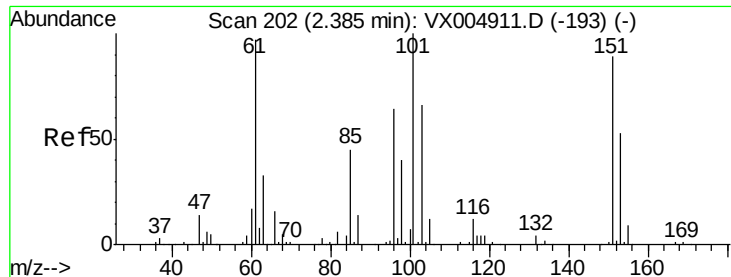


#8

Diethyl Ether
 Concen: 4.764 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	21.6	194.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.006 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX004910.D

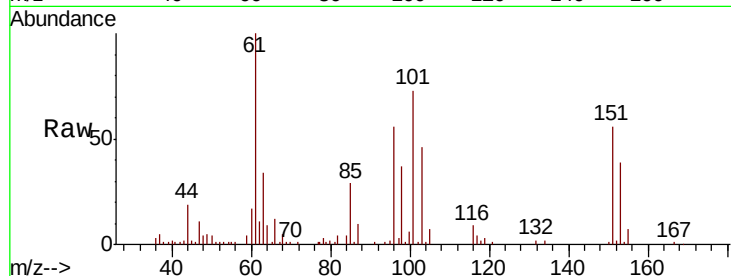
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	0.0	88.0
151	83.5	0.0	164.8

Manual Integrations
APPROVED

MMDadoda
10/3/2018 4:23:04 PM

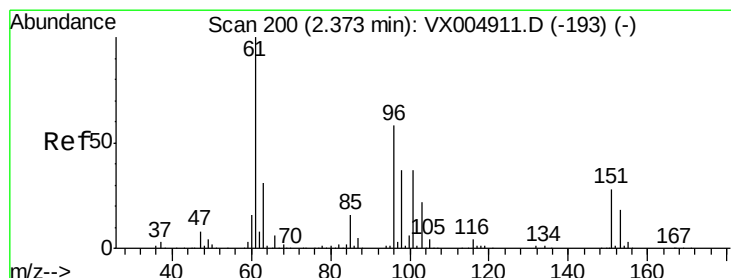
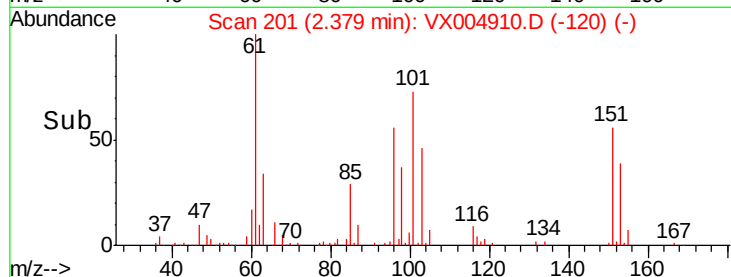
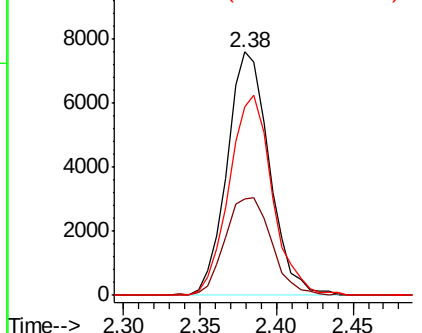


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.811 ug/l

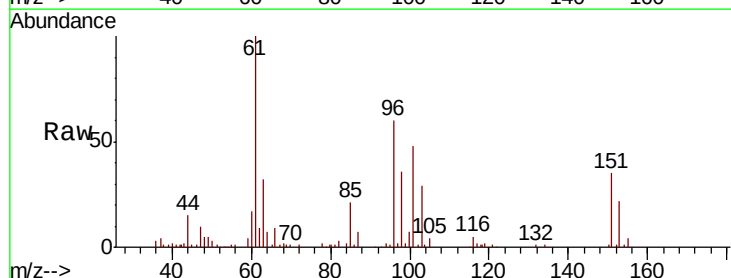
RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.0	137.9	206.9
98	59.3	51.0	76.4

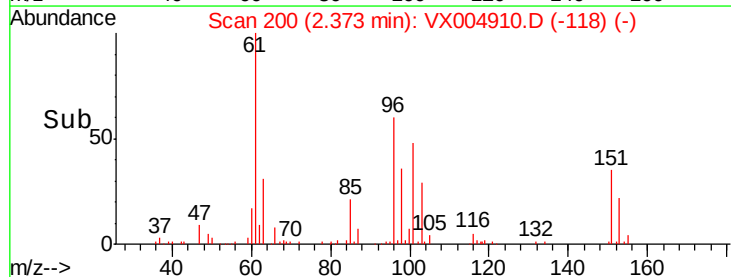
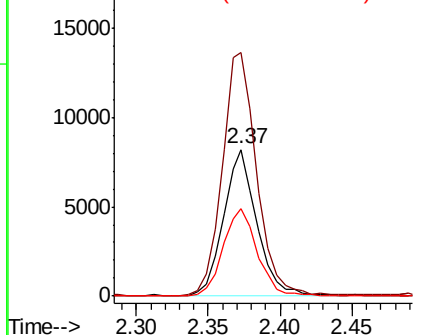


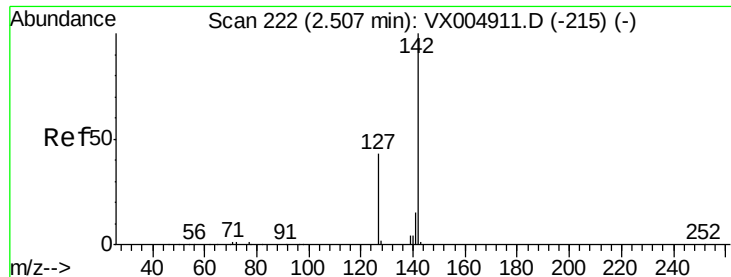
Abundance

Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





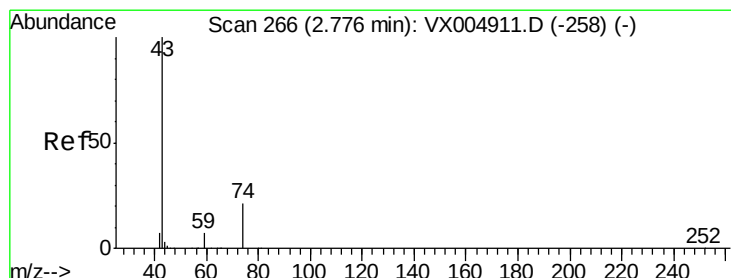
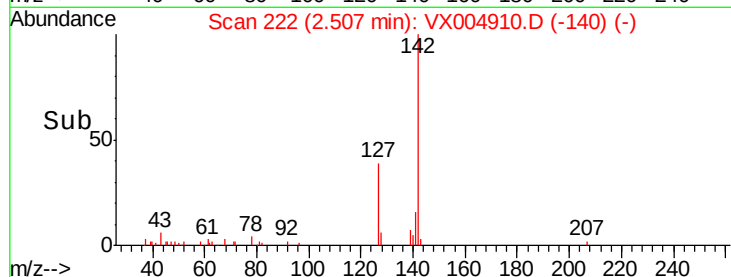
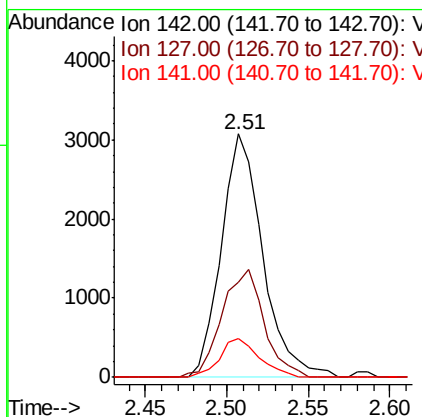
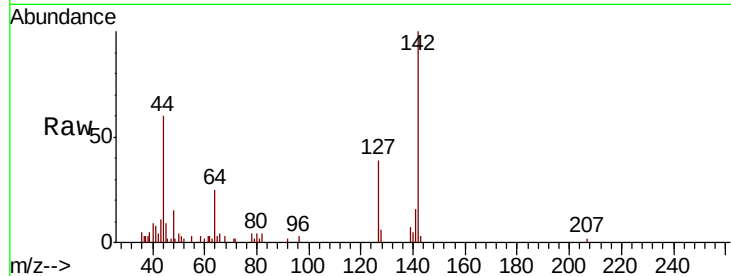
#11
Methvl Iodide
Concen: 2.416 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.0	21.6	64.8
141	15.8	7.5	22.6

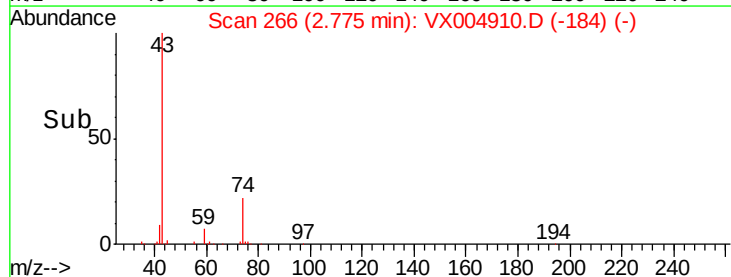
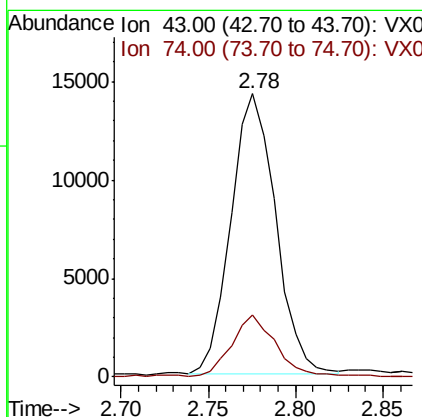
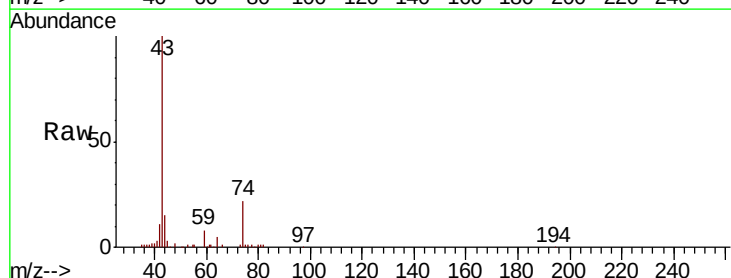
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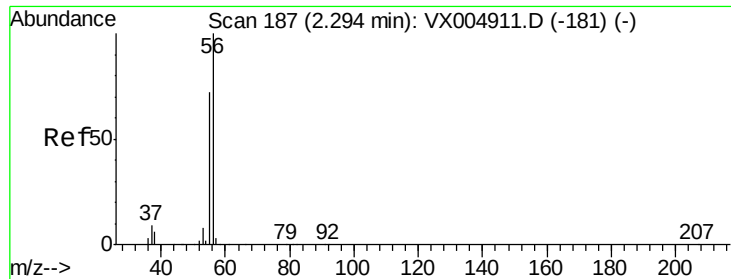
MMDadoda
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#12
Methyl Acetate
Concen: 4.542 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.0	25.6





#13

Acrolein

Concen: 26.287 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 13531

Ion Ratio Lower Upper

56 100

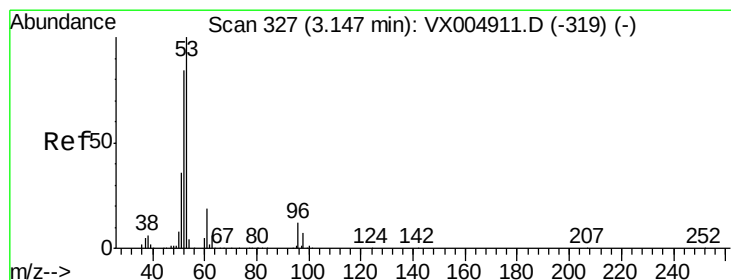
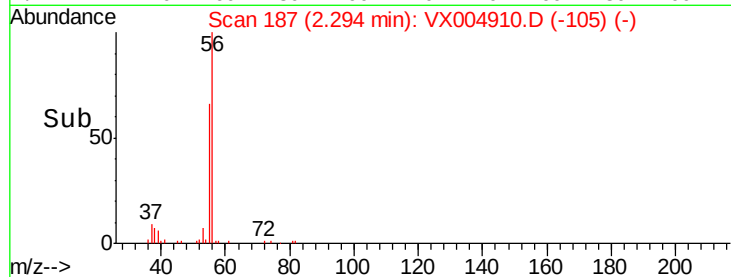
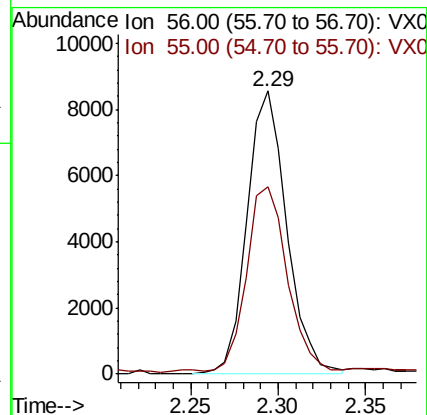
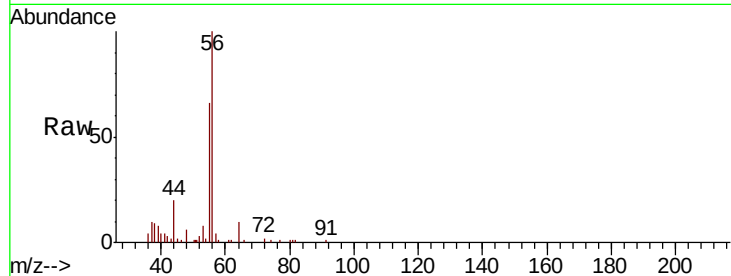
55 65.9 57.9 86.9

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#14

Acrylonitrile

Concen: 24.511 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

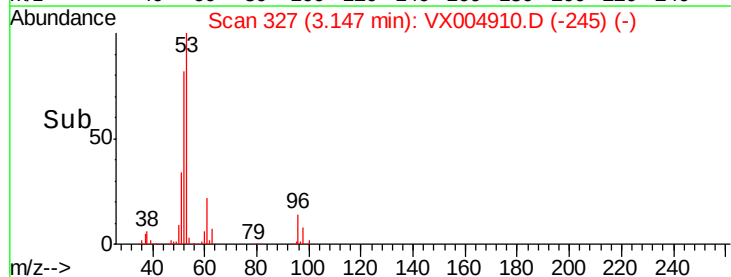
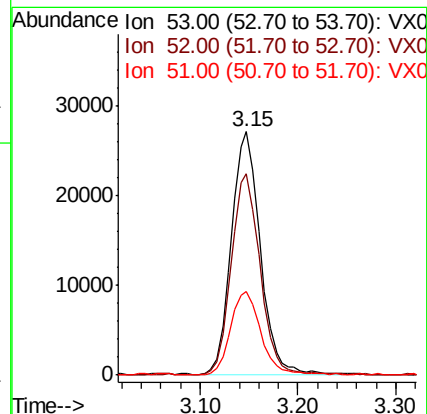
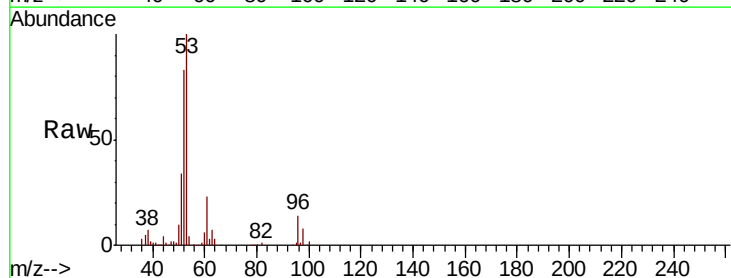
Tgt Ion: 53 Resp: 55804

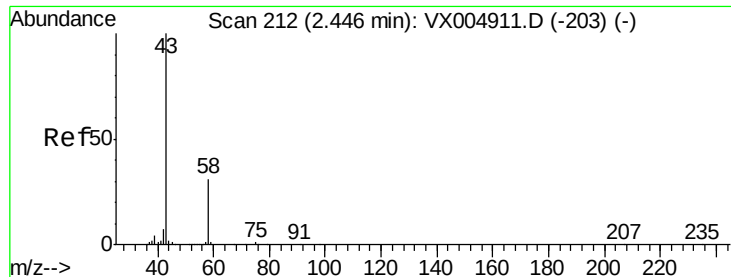
Ion Ratio Lower Upper

53 100

52 82.5 41.5 124.6

51 34.8 18.0 54.0





#15

Acetone

Concen: 27.704 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 21084

Ion Ratio Lower Upper

58 100

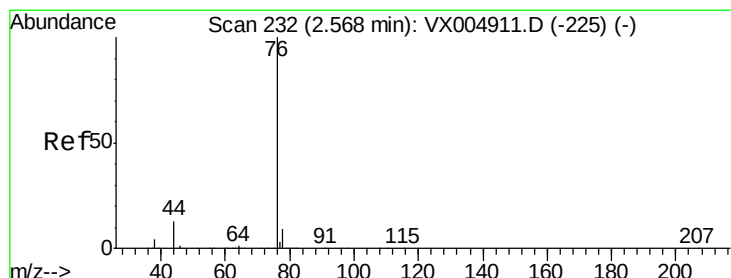
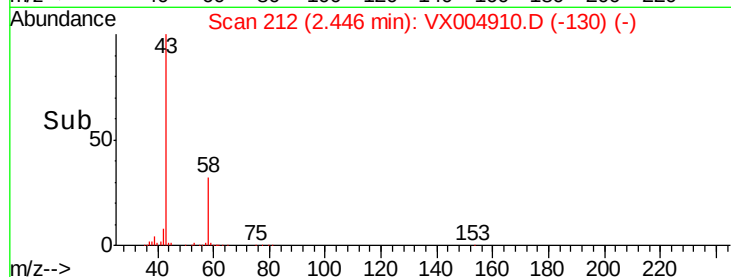
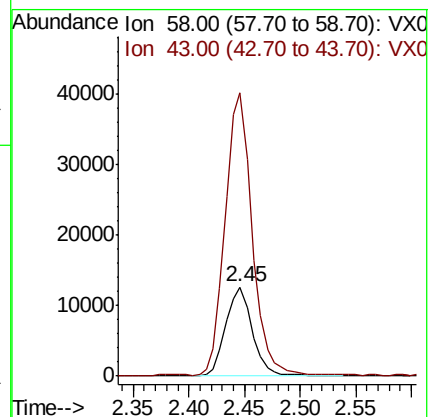
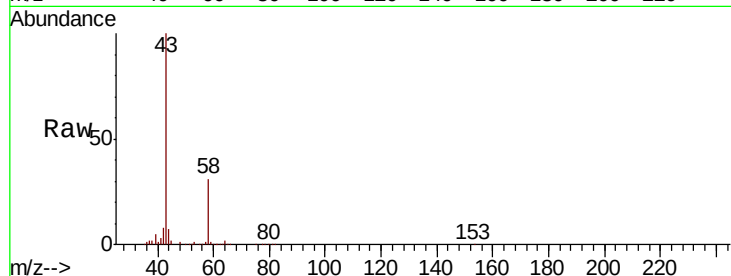
43 317.4 258.6 388.0

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#16

Carbon Disulfide

Concen: 4.412 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004910.D

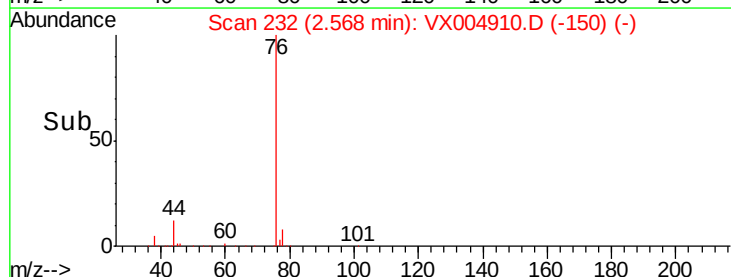
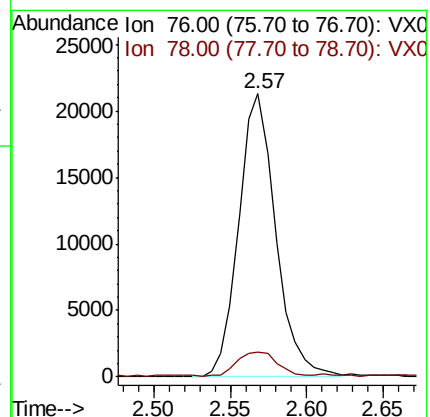
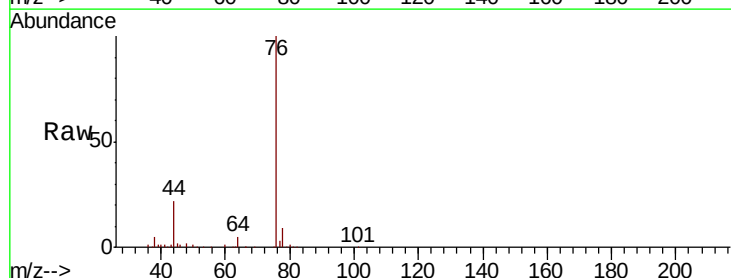
Acq: 02 Oct 2018 10:05

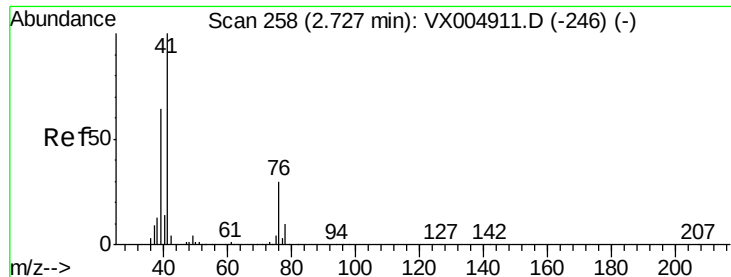
Tgt Ion: 76 Resp: 35750

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7





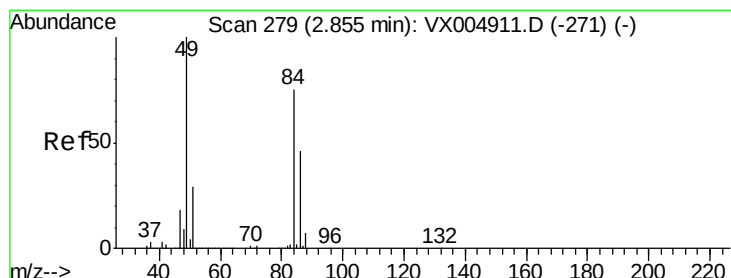
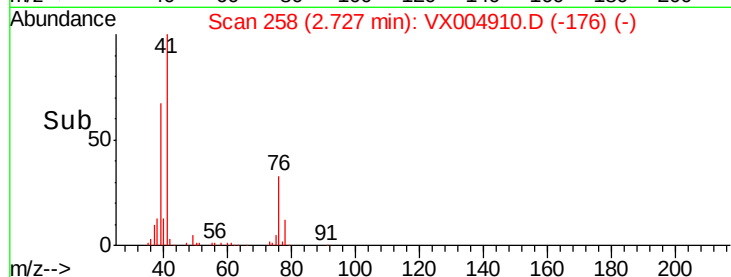
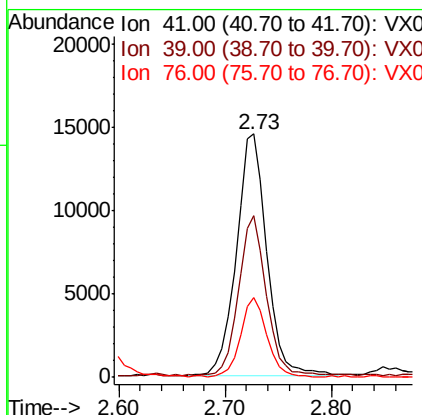
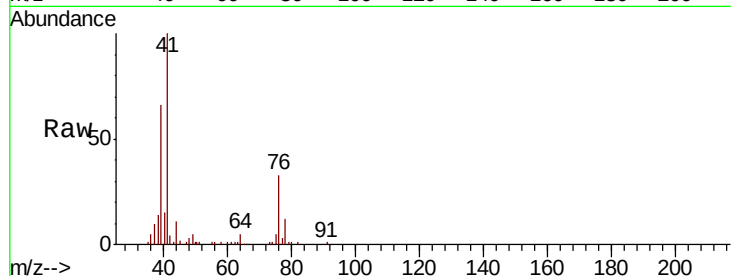
#17
Allvl chloride
Concen: 4.690 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.7	31.8	95.4
76	32.8	15.3	45.8

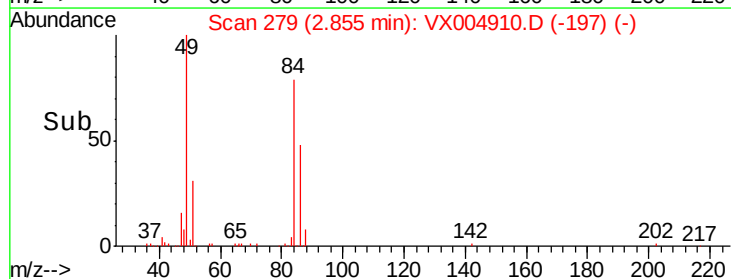
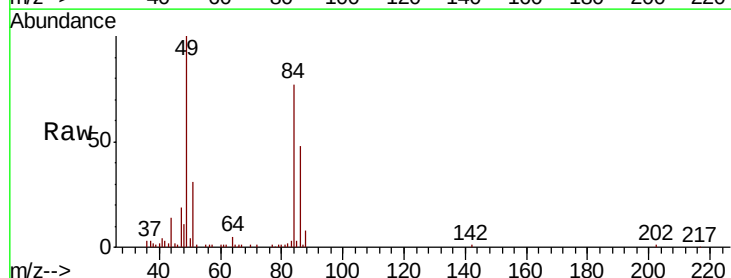
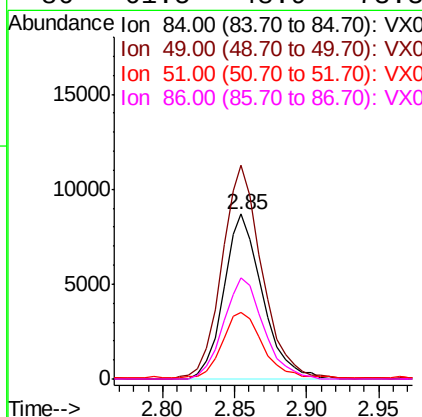
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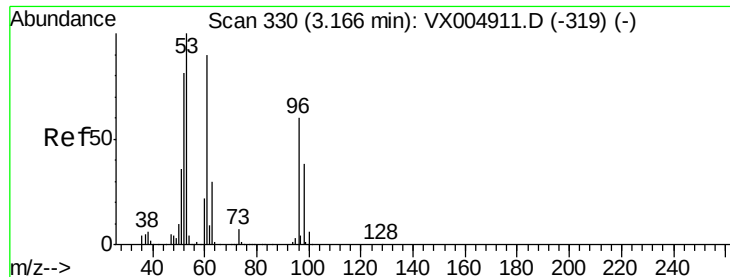
MMDadoda
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#18
Methylene Chloride
Concen: 5.077 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.6	106.2	159.4
51	39.6	31.3	46.9
86	61.5	48.9	73.3





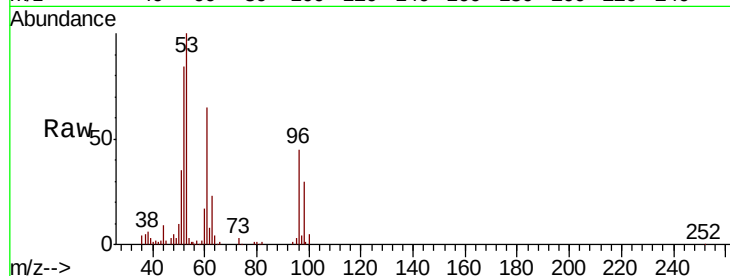
#19
trans-1,2-Dichloroethene
Concen: 4.866 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

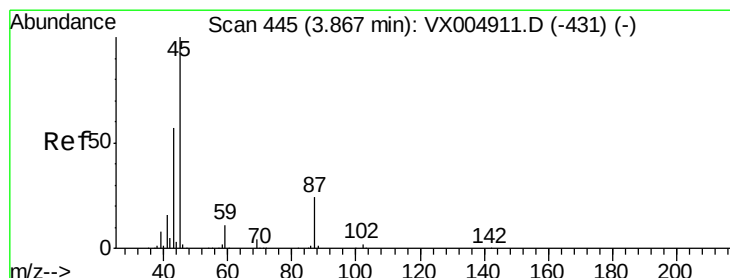
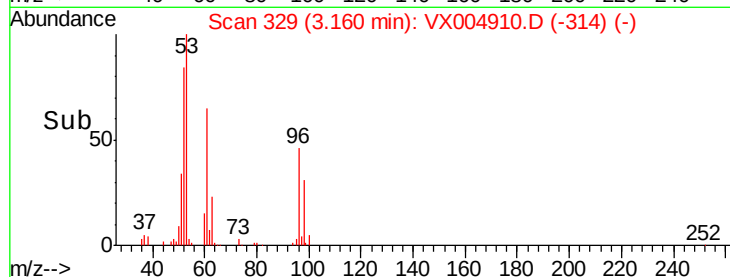
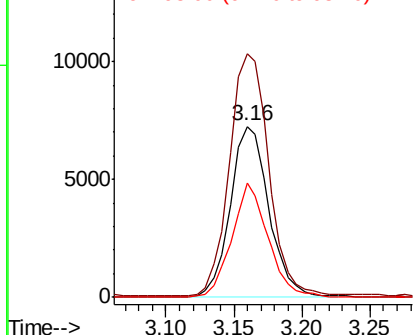
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	119.5	179.3
98	66.7	50.6	75.8

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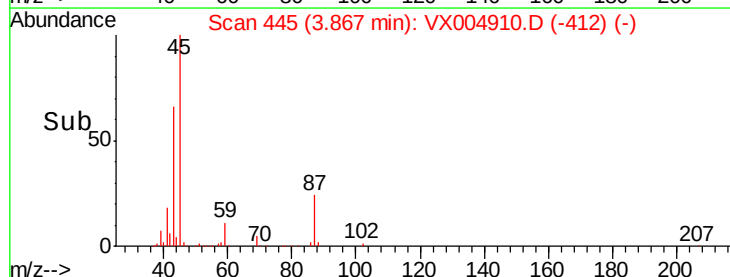
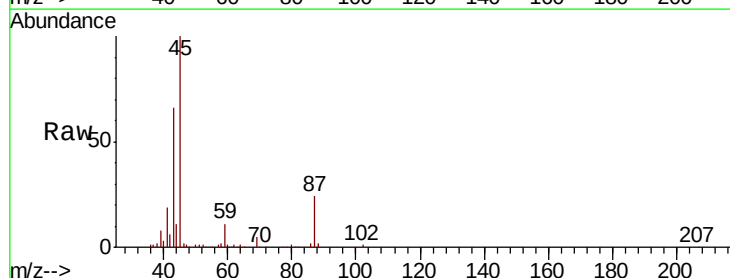
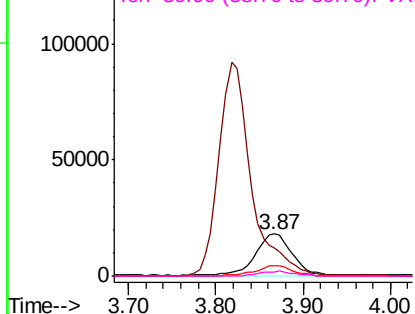
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

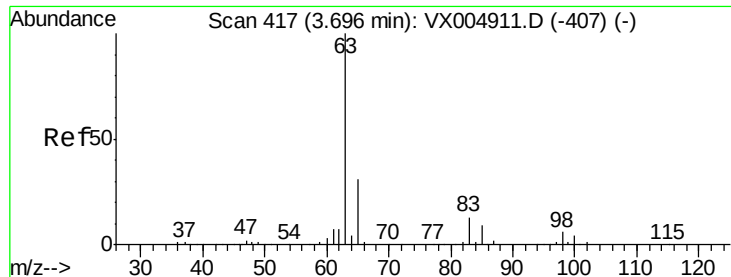


#20
Diisopropyl ether
Concen: 4.912 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.8	49.8	74.8
87	24.4	19.1	28.7
59	10.9	8.7	13.1

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





#21

1,1-Dichloroethane

Concen: 5.018 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

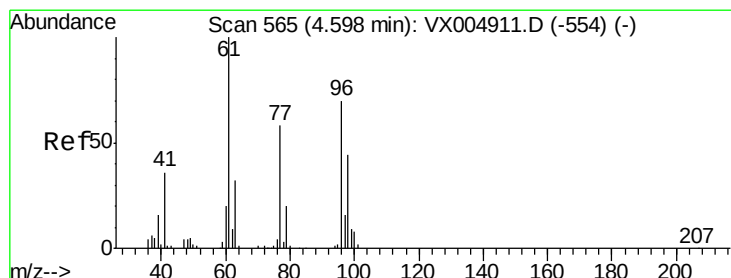
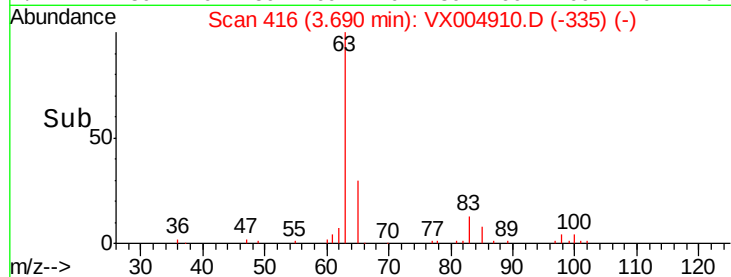
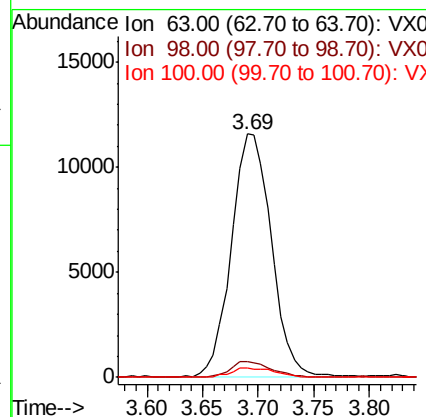
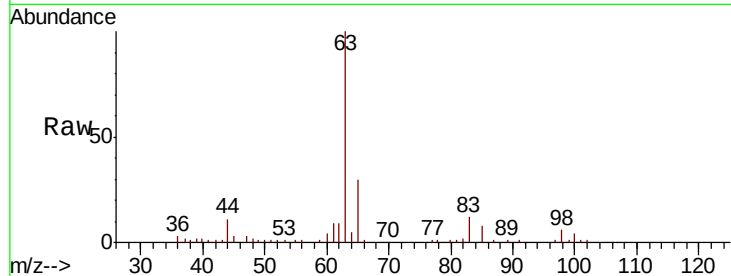
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	28964
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.2	9.6
100	4.0	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 4.789 ug/l

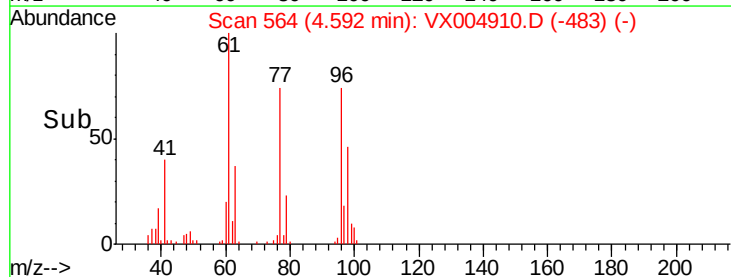
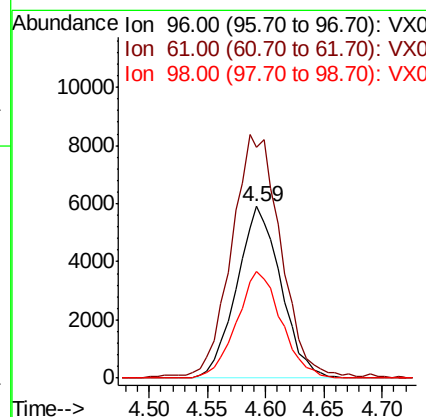
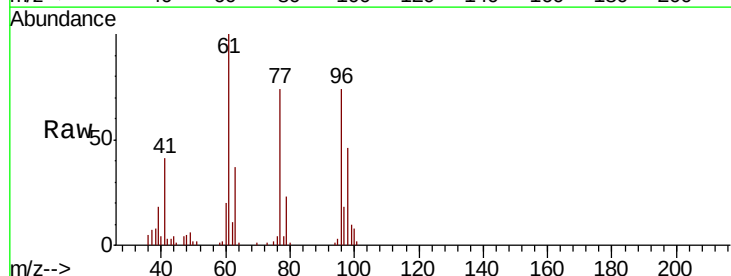
RT: 4.59 min Scan# 564

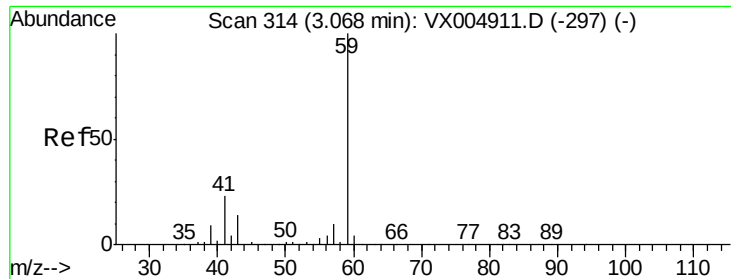
Delta R.T. -0.01 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Tgt Ion:	96	Resp:	15638
Ion Ratio	Lower	Upper	
96	100		
61	157.7	123.3	184.9
98	62.5	51.4	77.0





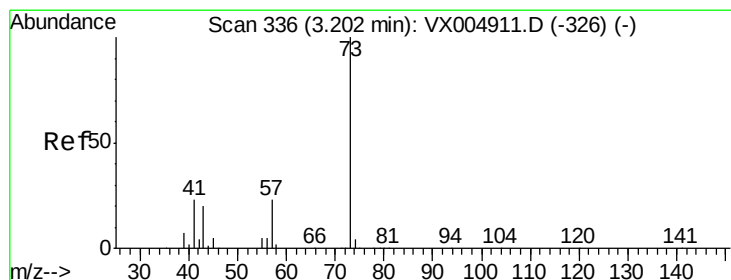
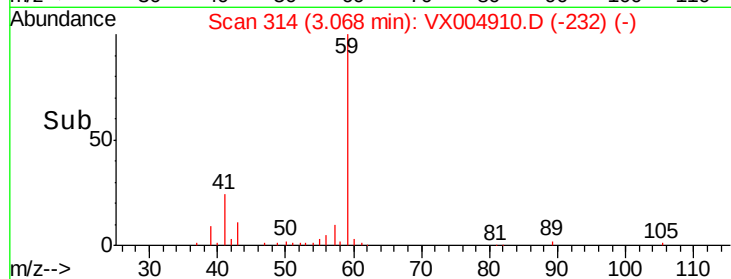
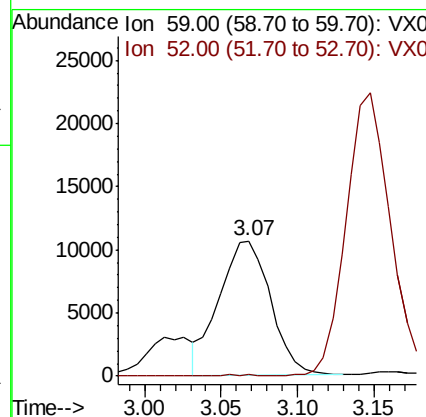
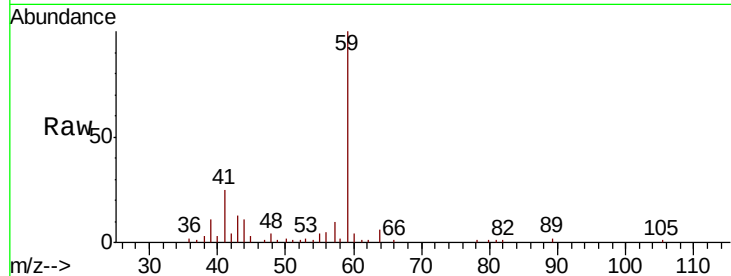
#23
 tert-Butyl Alcohol
 Concen: 23.672 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion: 59 Resp: 24882
 Ion Ratio Lower Upper
 59 100
 52 0.4 0.1 0.1#

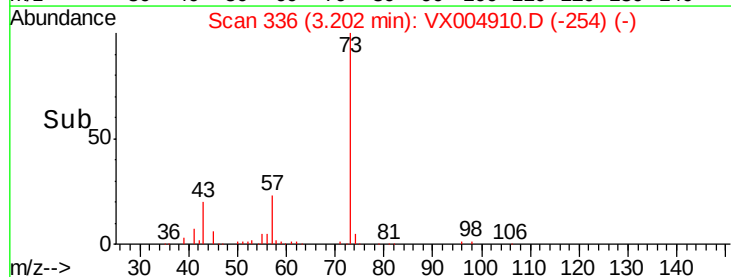
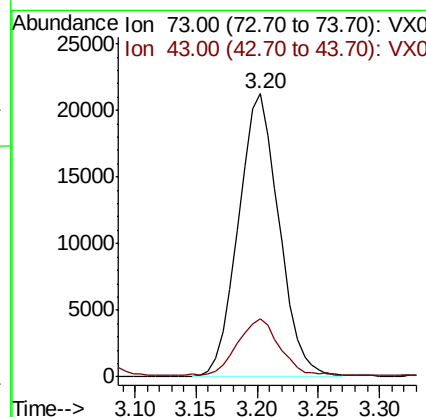
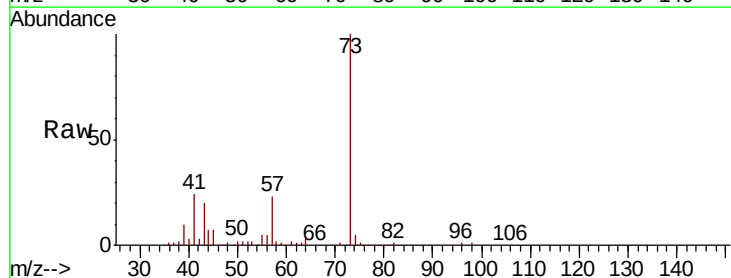
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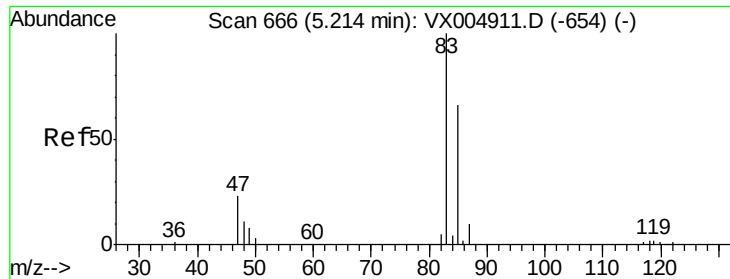
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#24
 Methyl tert-Butyl Ether
 Concen: 4.831 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion: 73 Resp: 49054
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.3 24.5





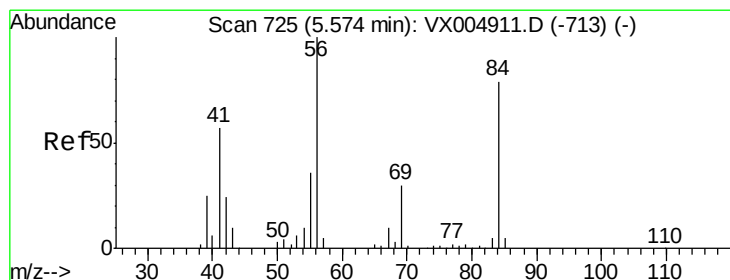
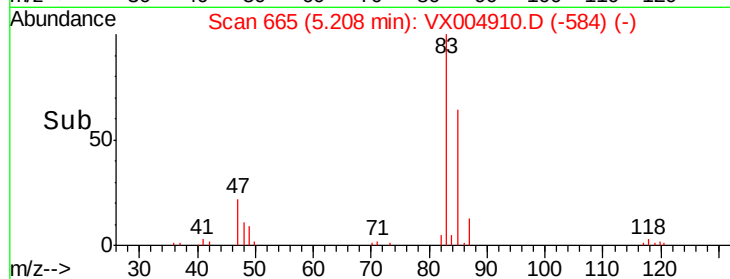
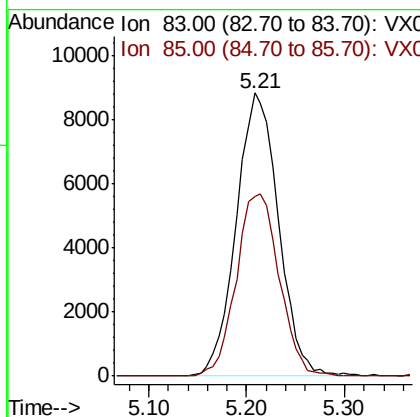
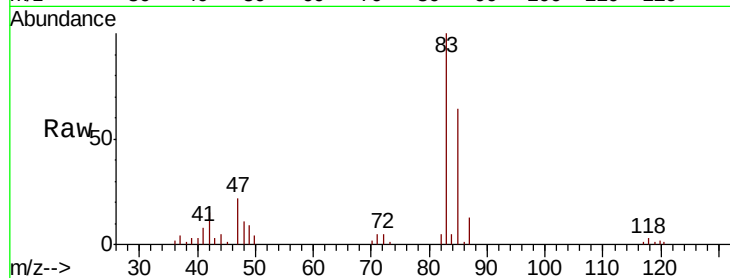
#25
Chloroform
Concen: 4.865 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	26424
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	53.1	79.7

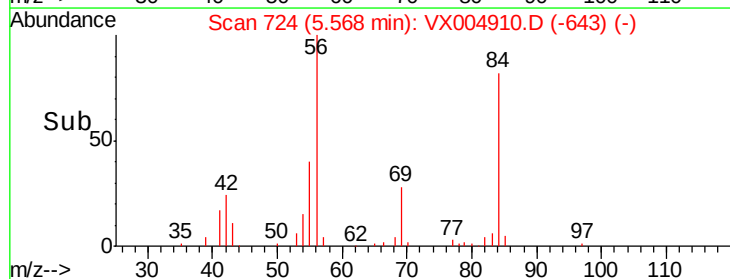
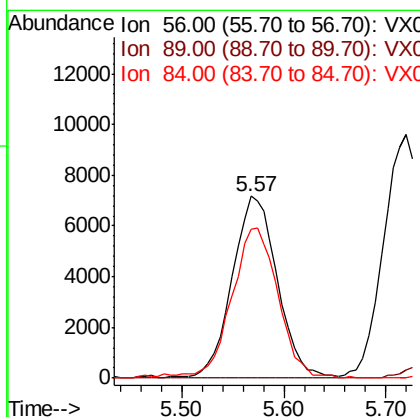
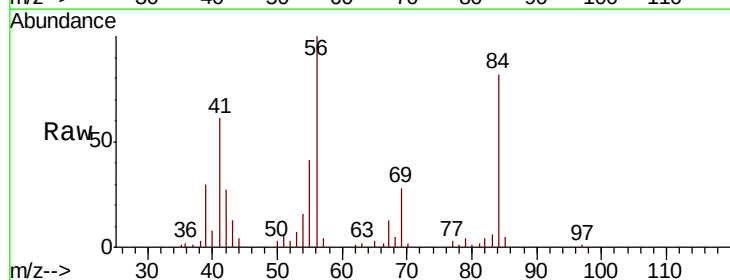
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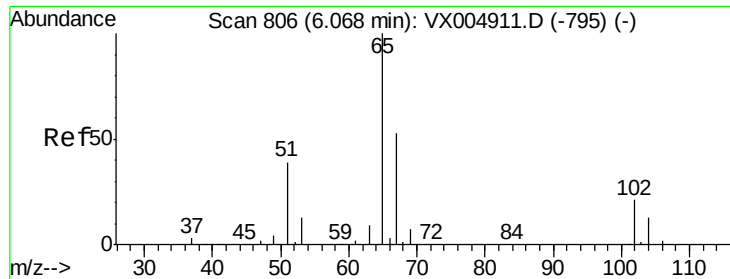
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#26
Cyclohexane
Concen: 4.438 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	56	Resp	21984
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	83.5	65.8	98.6





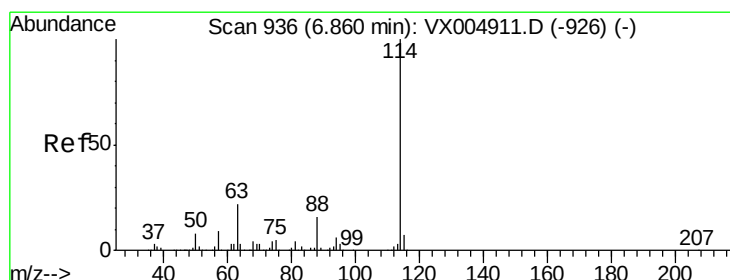
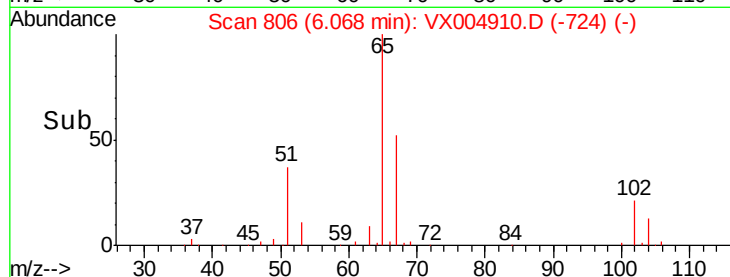
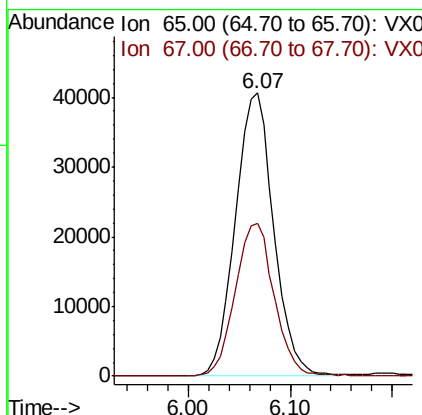
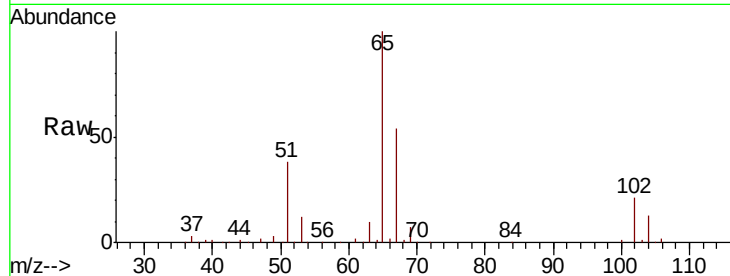
#27
 1,2-Dichloroethane-d4
 Concen: 28.911 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	43.0	64.6

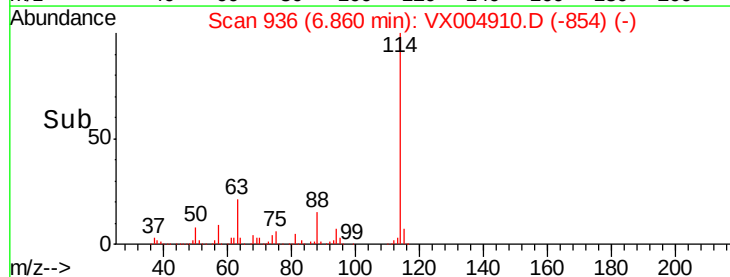
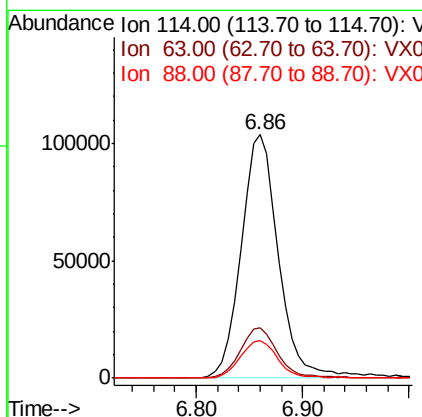
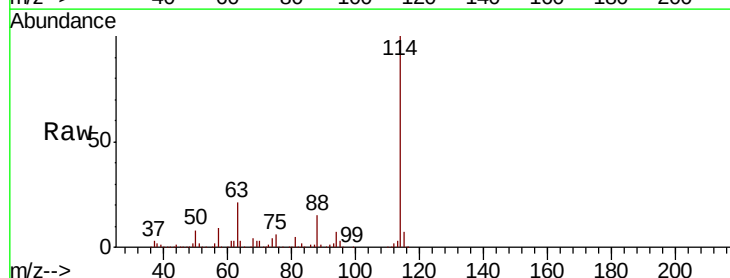
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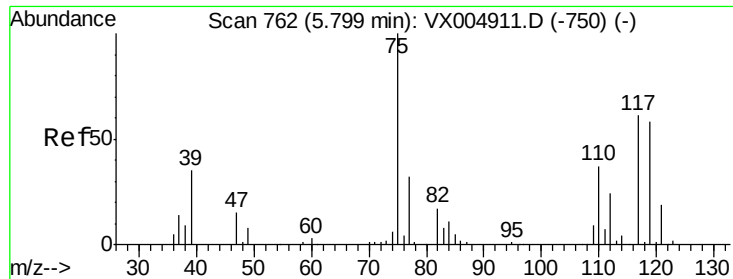
MMDadoda
 10/3/2018 4:23:04 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	16.6	24.8
88	15.6	12.4	18.6





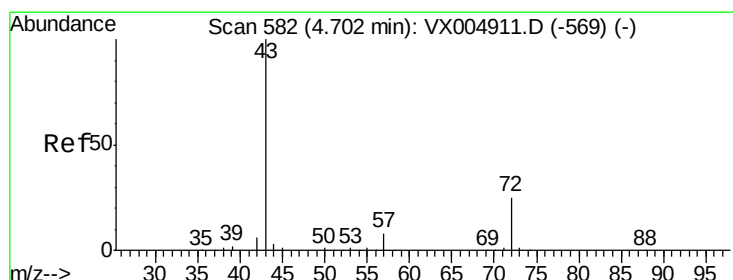
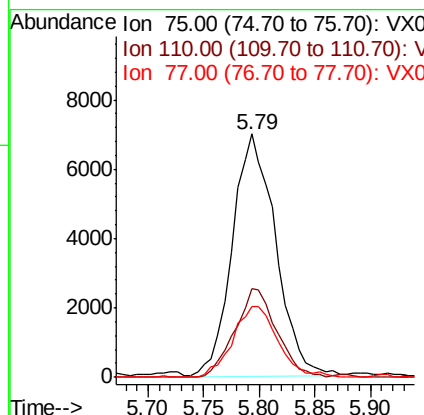
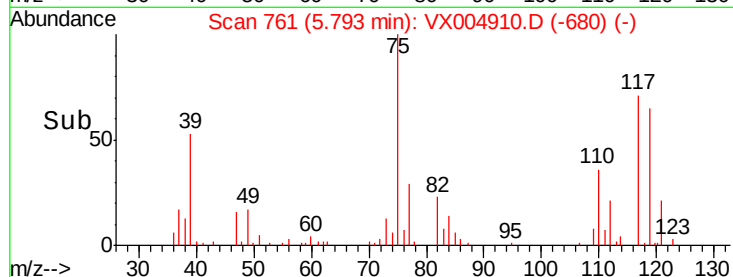
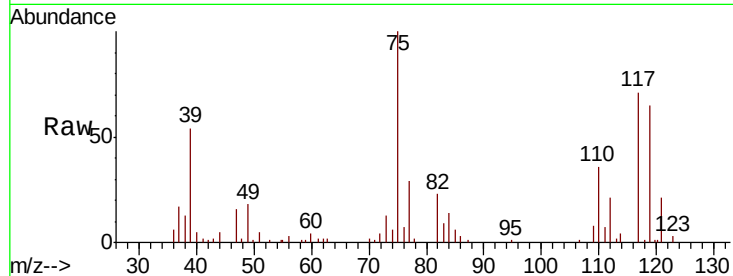
#29
 1,1-Dichloropropene
 Concen: 5.057 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.1	0.0	70.8
77	29.6	0.0	63.0

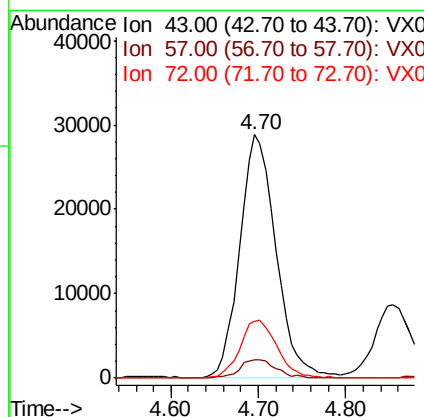
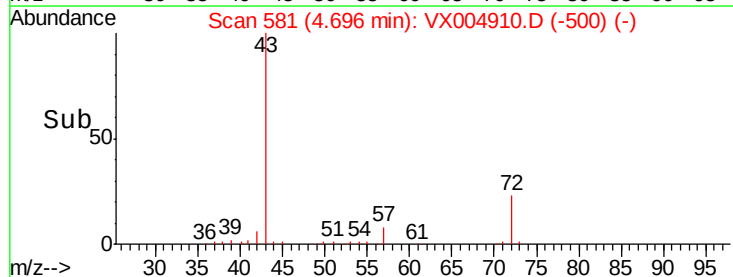
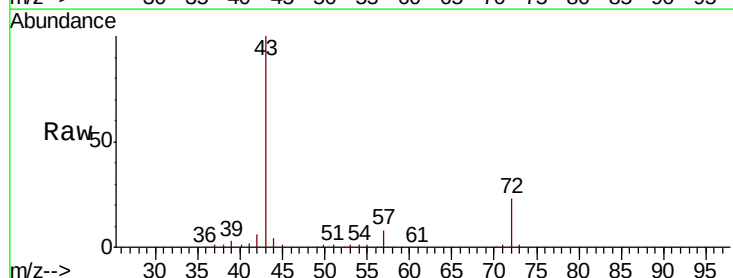
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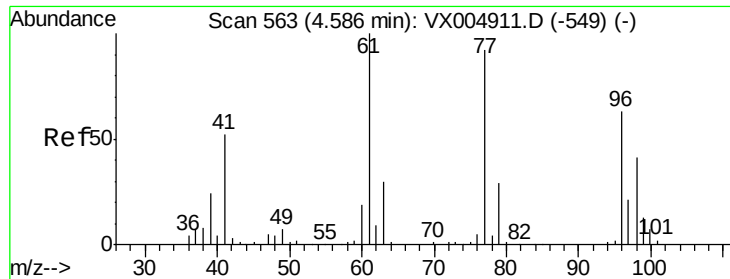
MMDadoda
 10/3/2018 4:23:04 PM



#30
 2-Butanone
 Concen: 27.223 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.8	6.2	9.4
72	24.3	19.7	29.5





#31

2,2-Dichloropropane

Concen: 5.160 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 21178

Ion Ratio Lower Upper

77 100

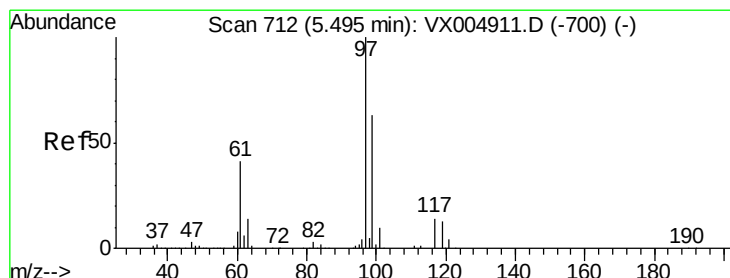
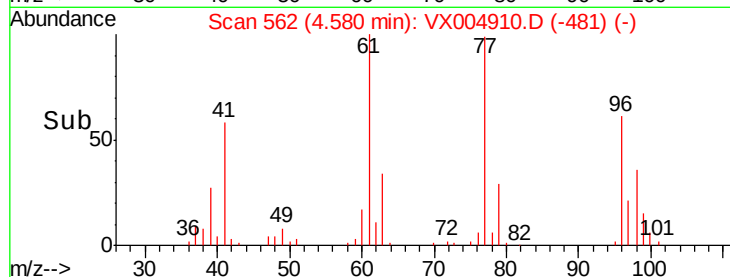
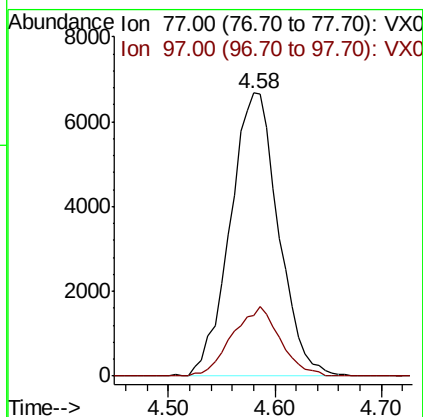
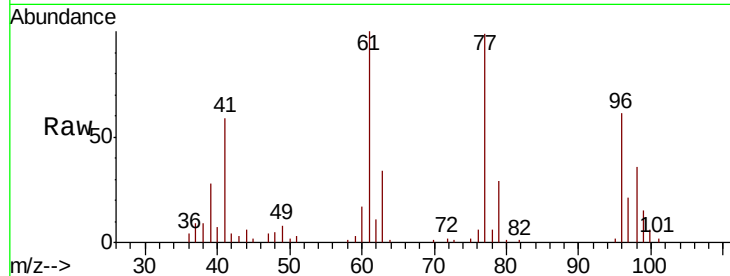
97 24.3 18.5 27.7

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#32

1,1,1-Trichloroethane

Concen: 5.055 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

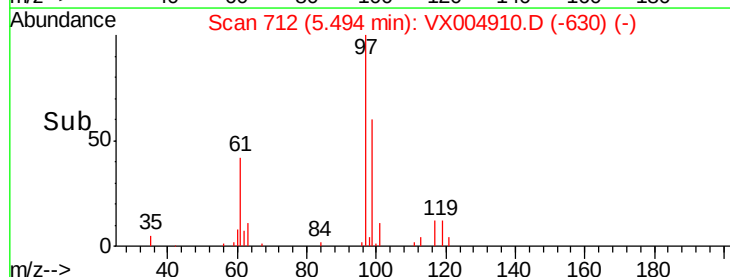
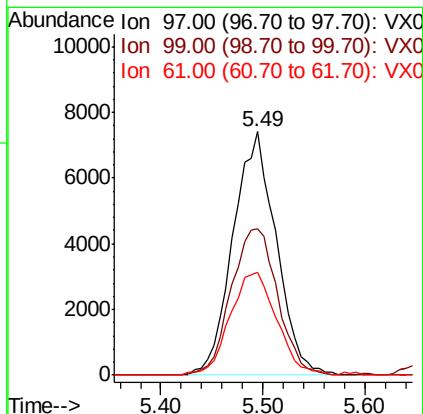
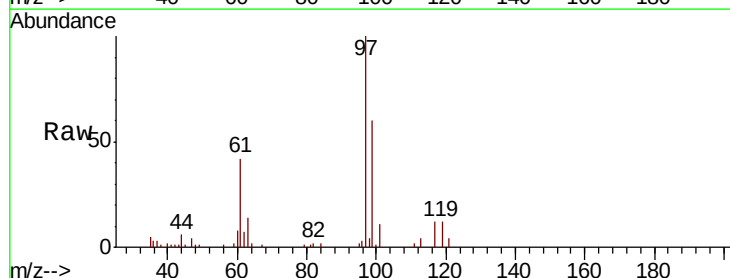
Tgt Ion: 97 Resp: 21739

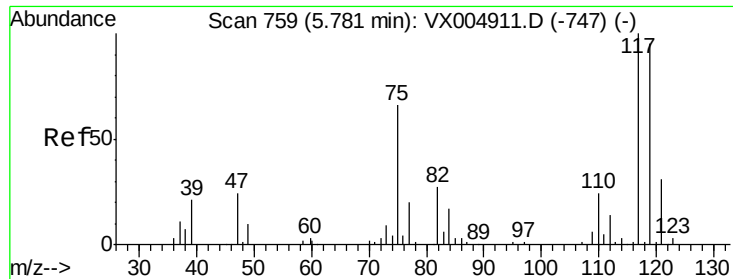
Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.6

61 45.7 35.8 53.6





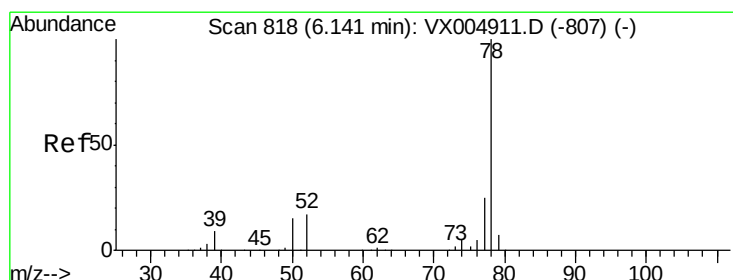
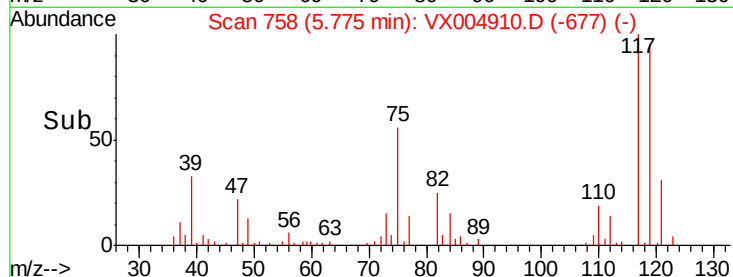
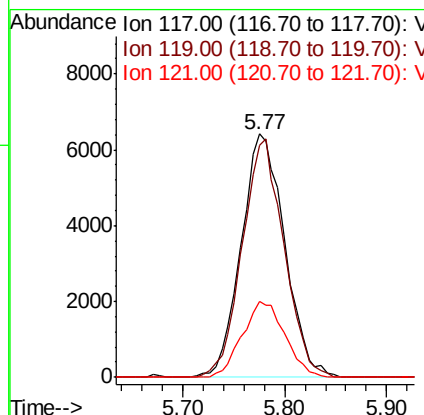
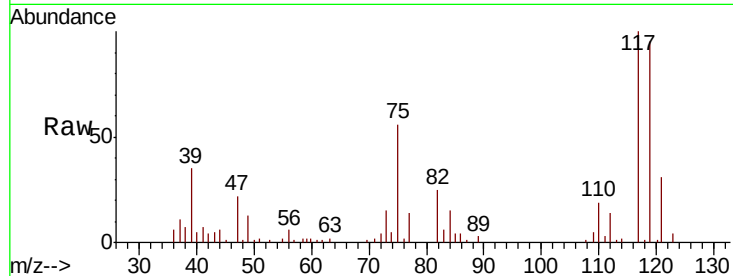
#33
Carbon Tetrachloride
Concen: 5.030 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.4
121	31.2	25.2	37.8

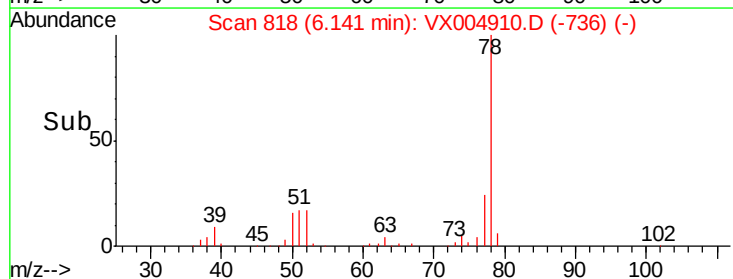
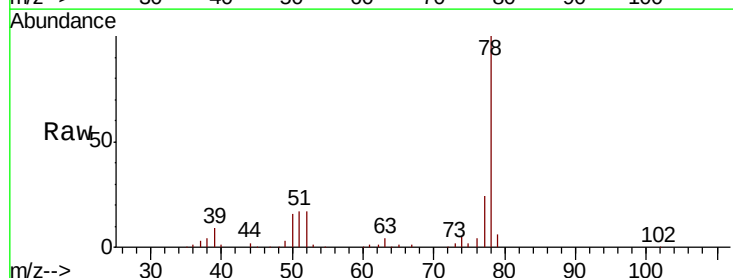
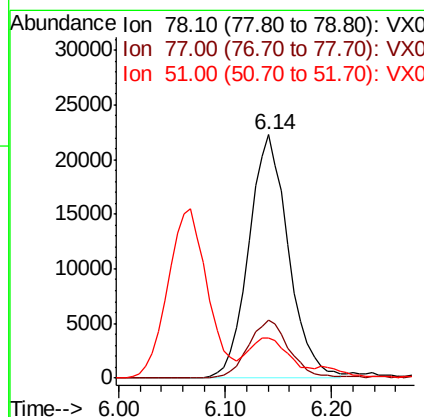
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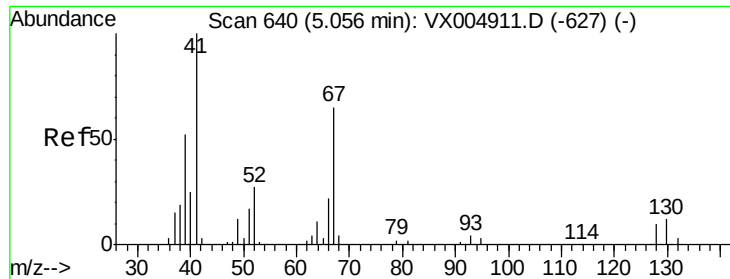
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#34
Benzene
Concen: 5.124 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.8
51	13.8	13.8	20.6





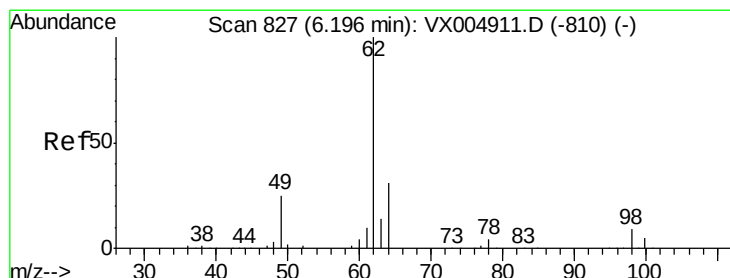
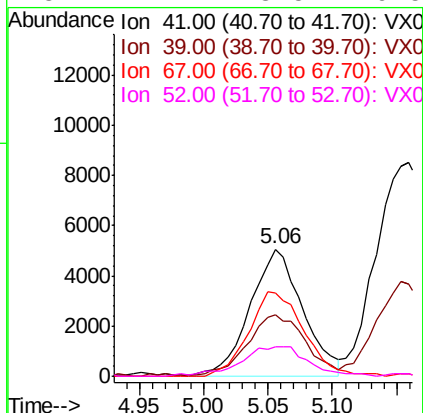
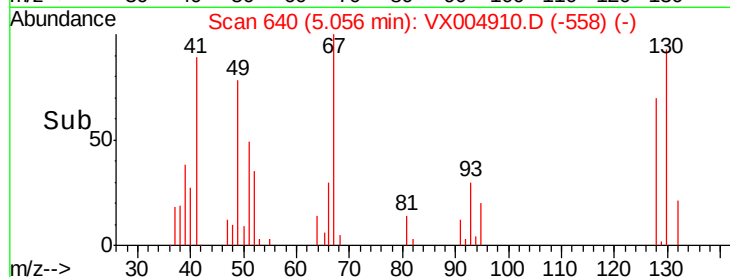
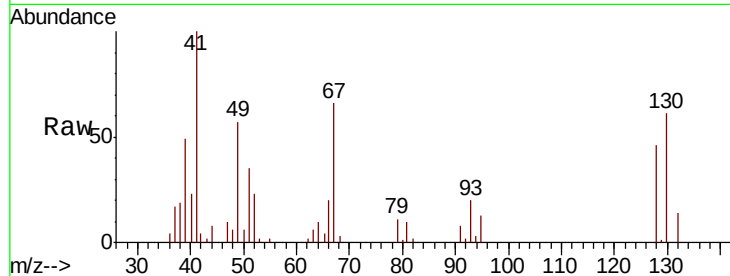
#35
Methacrylonitrile
Concen: 5.088 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	14382
Ion Ratio	Lower	Upper	
41	100		
39	48.2	26.1	78.3
67	66.9	32.3	96.9
52	21.7	13.5	40.5

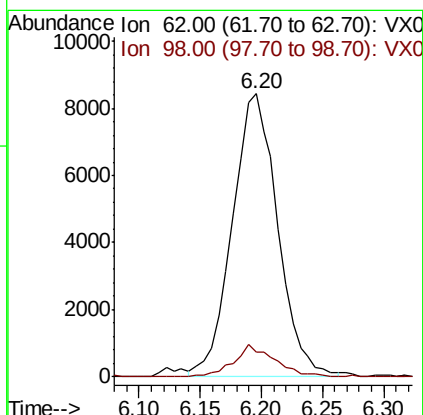
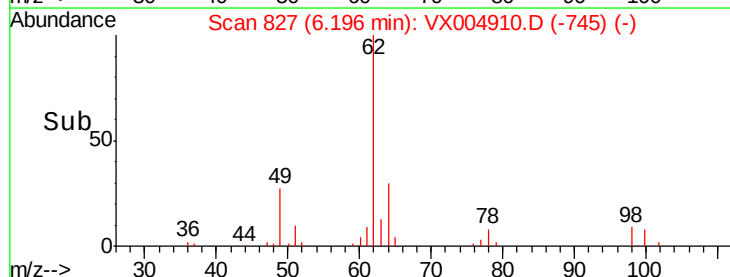
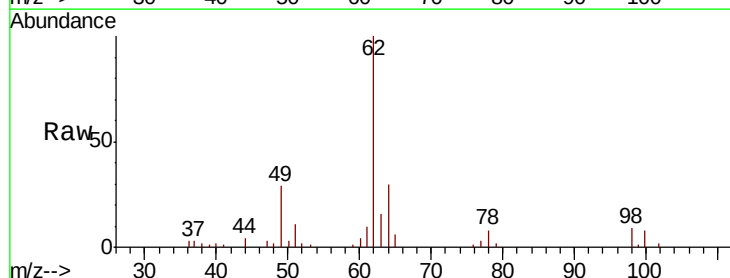
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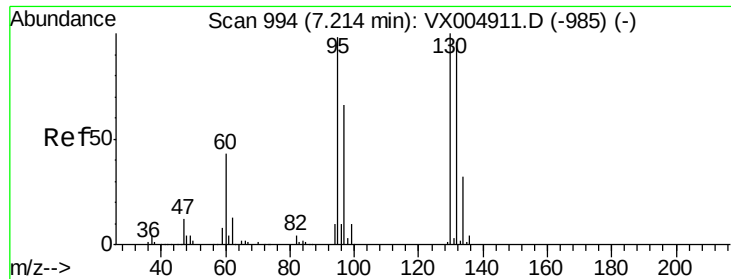
MMDadoda
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#36
1,2-Dichloroethane
Concen: 5.317 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion:	62	Resp:	21743
Ion Ratio	Lower	Upper	
62	100		
98	10.3	7.5	11.3





#37

Trichloroethene

Concen: 5.171 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 15463

Ion Ratio Lower Upper

130 100

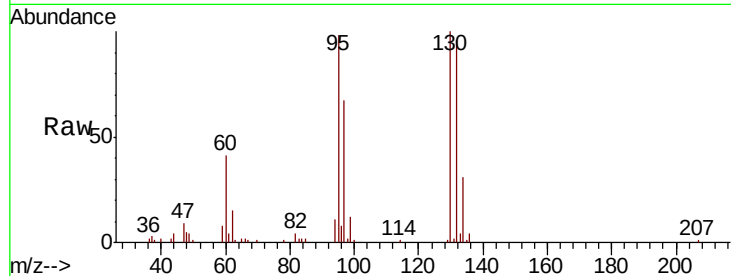
95 98.3 78.5 117.7

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

8000

6000

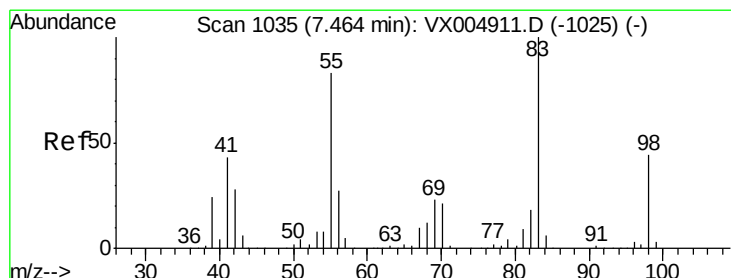
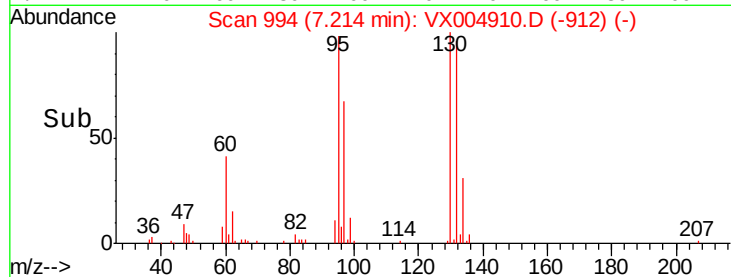
4000

2000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 4.821 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

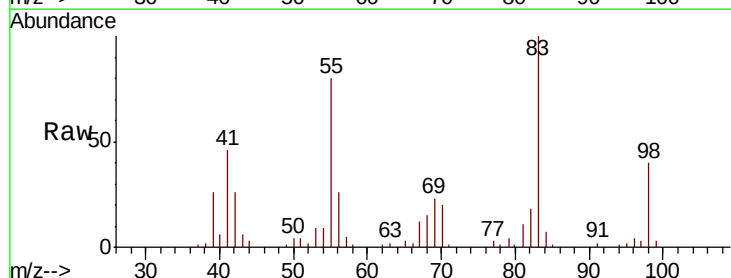
Tgt Ion: 83 Resp: 21414

Ion Ratio Lower Upper

83 100

55 81.6 41.8 125.3

98 46.2 22.4 67.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.46

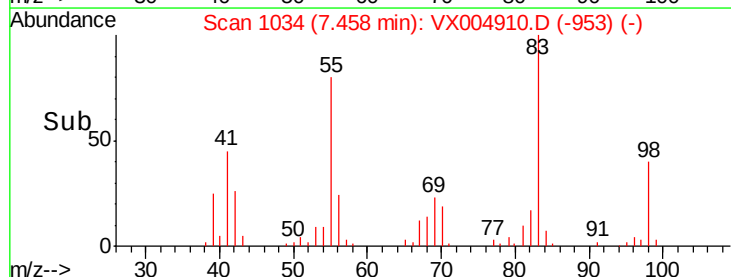
10000

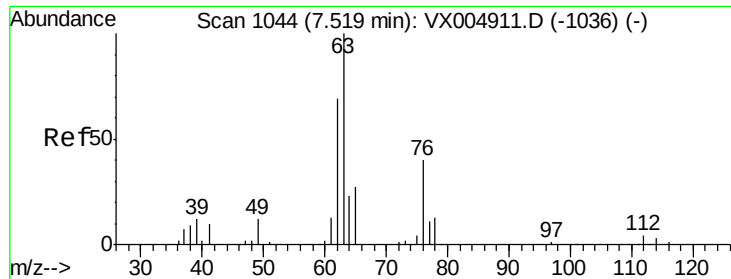
5000

0

7.35 7.40 7.45 7.50 7.55

Time-->





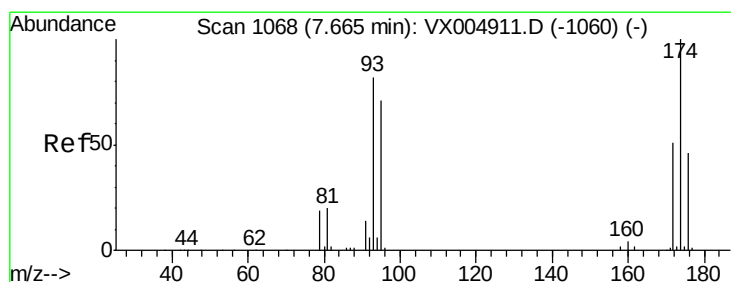
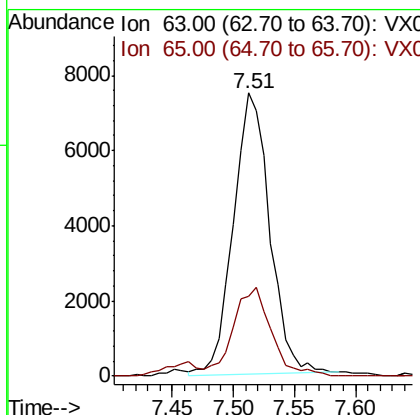
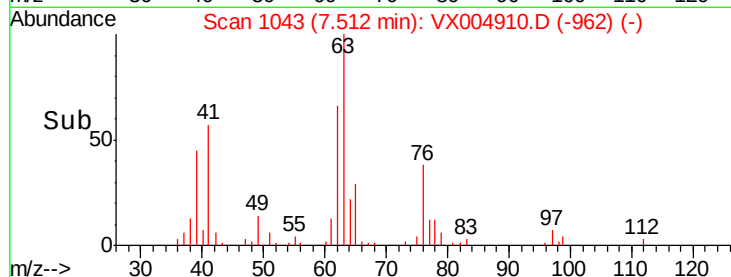
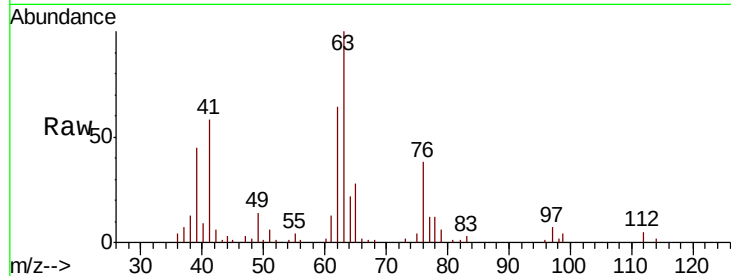
#39
 1,2-Dichloropropane
 Concen: 5.079 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 15362
 Ion Ratio Lower Upper
 63 100
 65 28.7 23.2 34.8

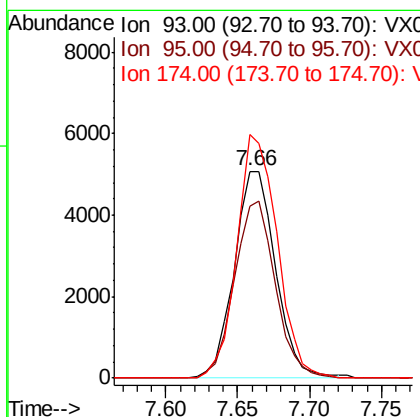
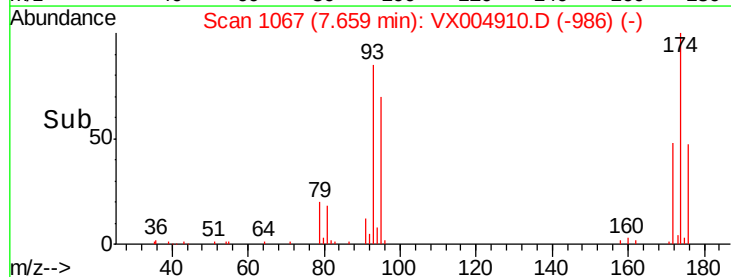
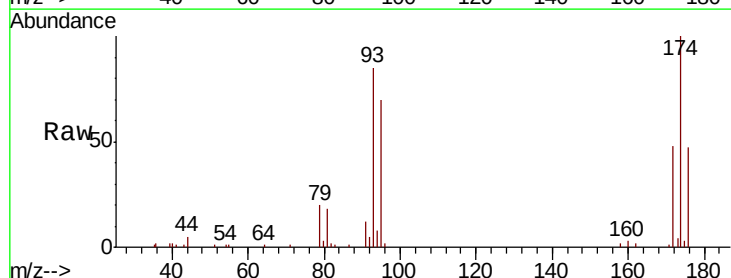
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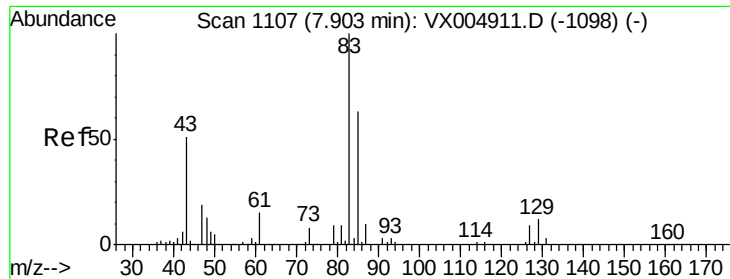
MMDadoda
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#40
 Dibromomethane
 Concen: 5.167 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion: 93 Resp: 10129
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 172.4
 174 114.7 0.0 234.0





#41

Bromodichloromethane

Concen: 4.949 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

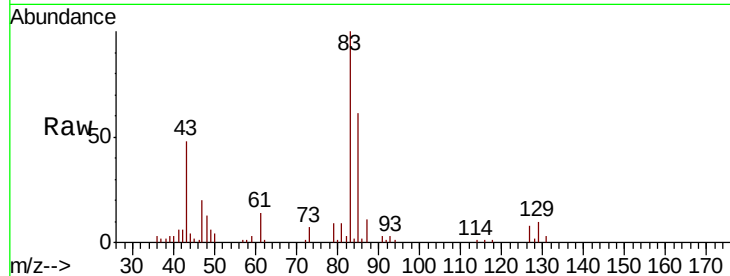
ClientSampleId :

VSTDIC005

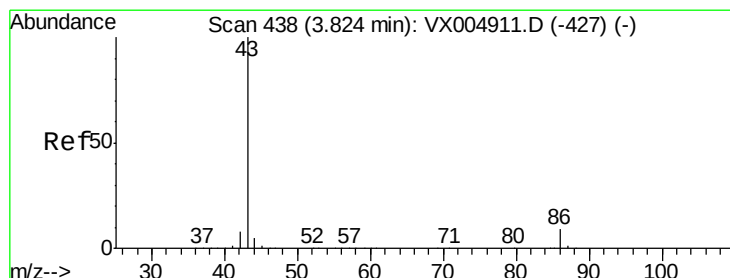
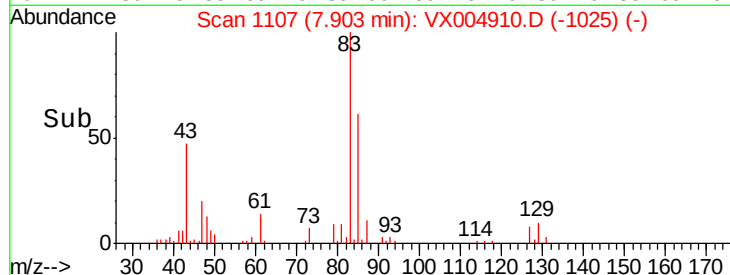
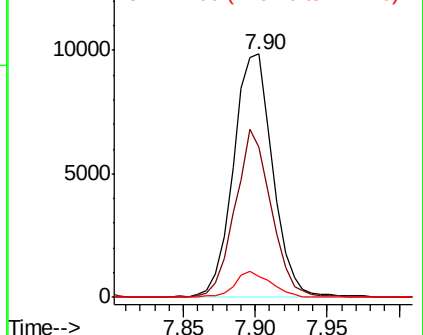
Tot Ion:	83	Resp:	18705
Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.2	75.4
127	8.5	6.9	10.3

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 26.922 ug/l

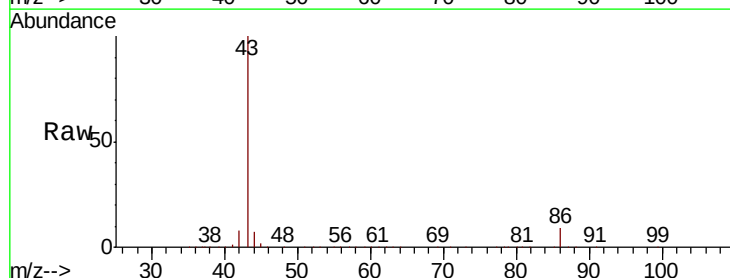
RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

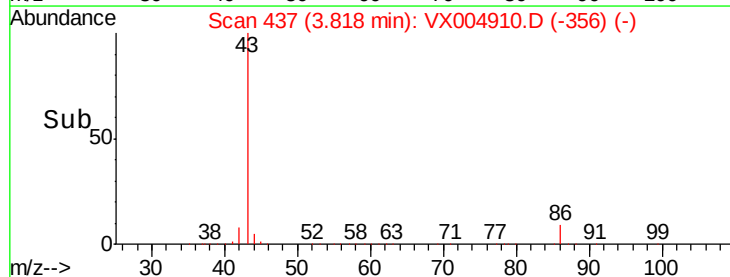
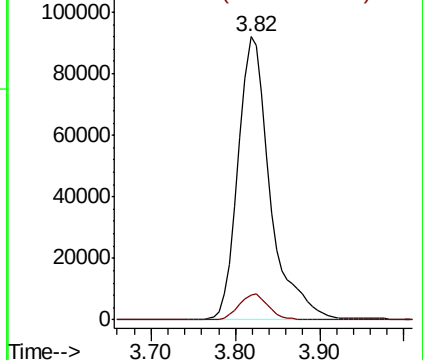
Lab File: VX004910.D

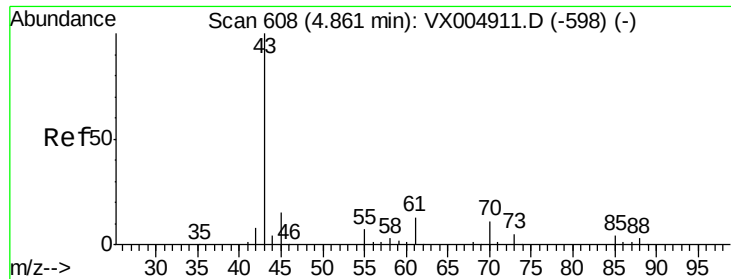
Acq: 02 Oct 2018 10:05

Tgt Ion:	43	Resp:	236902
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	10.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





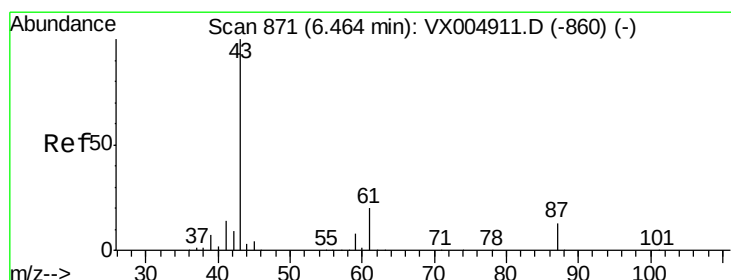
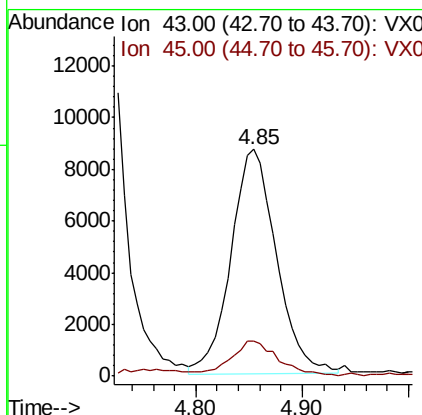
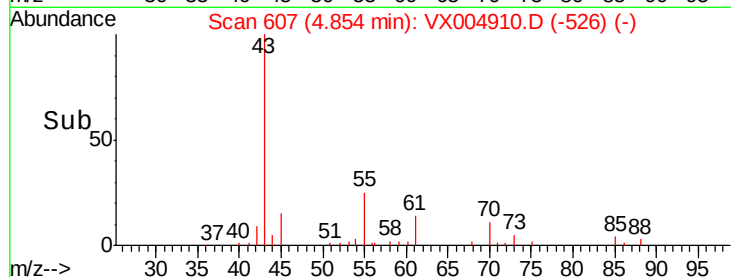
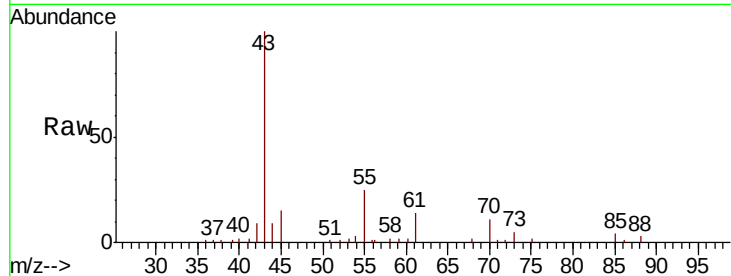
#43
Ethyl Acetate
Concen: 5.185 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	45	Ratio	Lower	Upper
26012	100	16.6		12.3	18.5

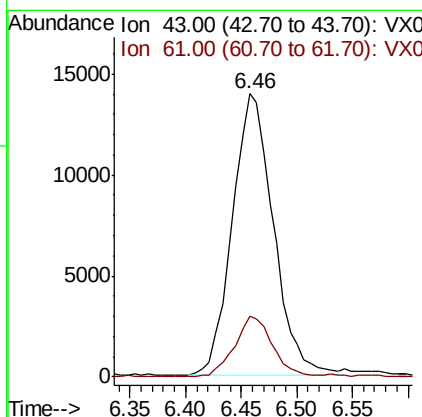
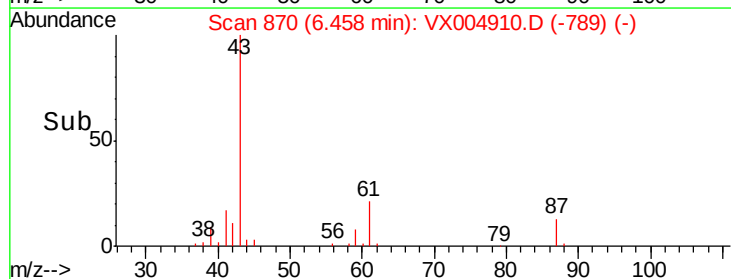
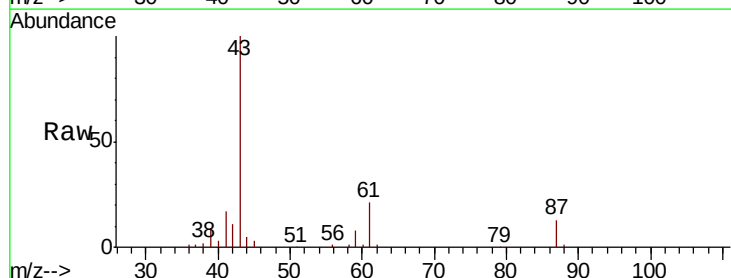
Manual Integrations
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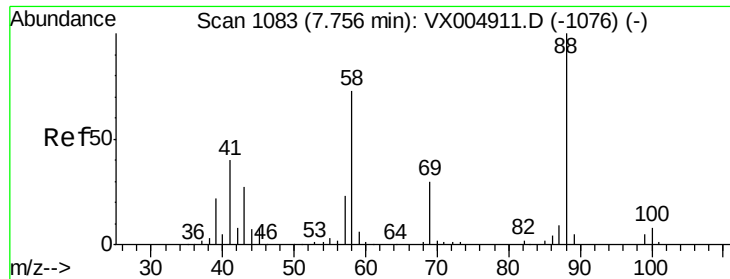
MMDadoda
10/3/2018 4:23:04 PM



#44
Isopropyl Acetate
Concen: 4.773 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	43	61	Ratio	Lower	Upper
35736	100	20.1		15.7	23.5





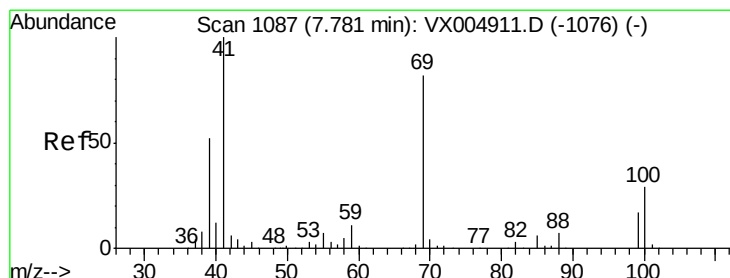
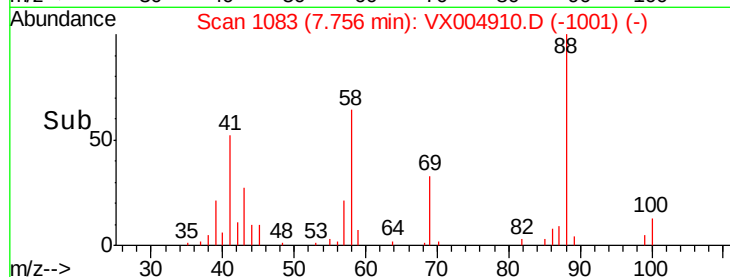
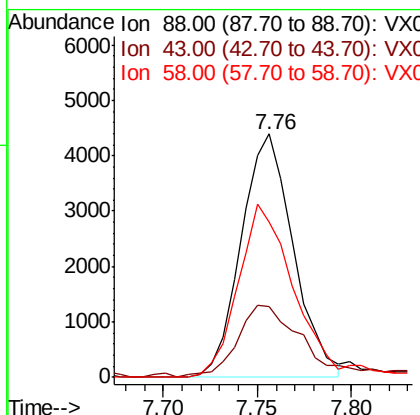
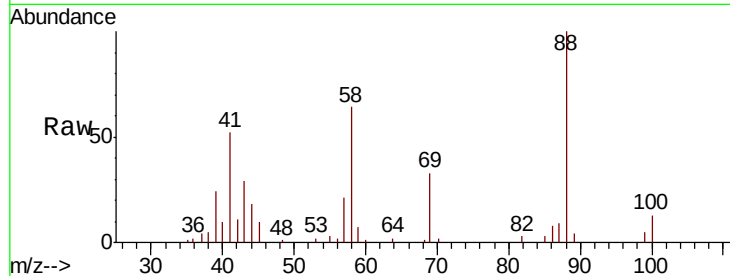
#45
 1,4-Dioxane
 Concen: 95.646 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	25.4	38.0
58	74.0	61.0	91.6

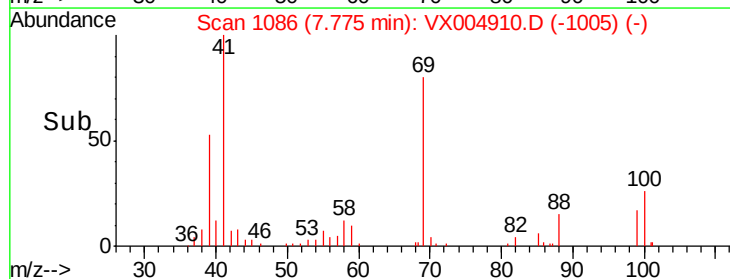
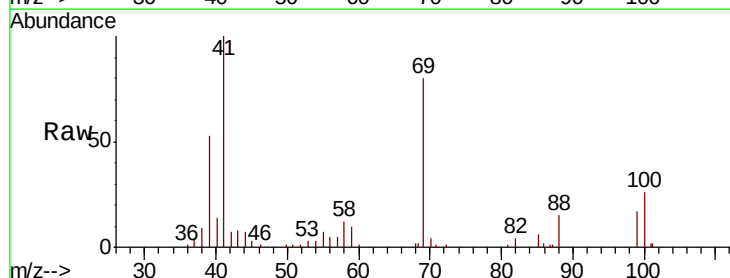
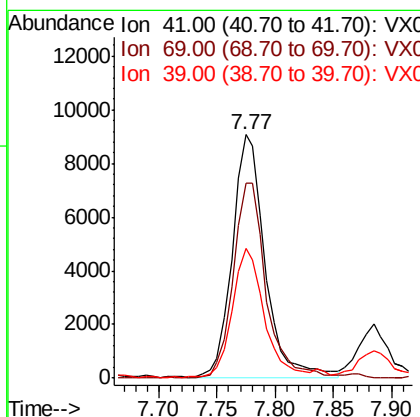
Manual Integrations
 APPROVED

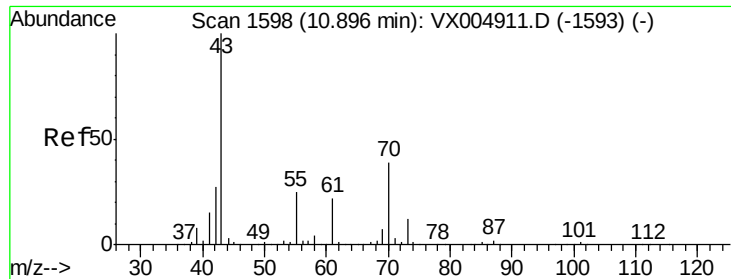
MMDadoda
 10/3/2018 4:23:04 PM



#46
 Methyl methacrylate
 Concen: 4.619 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.9	41.0	123.0
39	52.8	25.9	77.7





#47

n-amvl Acetate

Concen: 4.336 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 29953

Ion Ratio Lower Upper

43 100

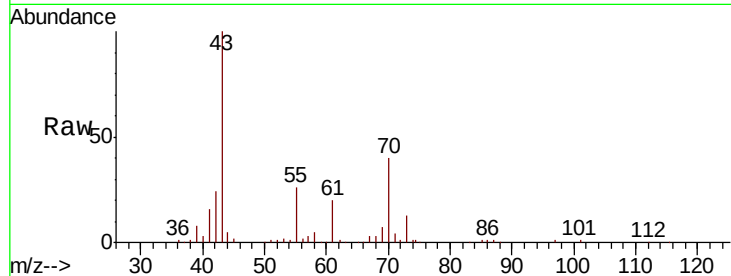
55 26.6 20.0 30.0

Manual Integrations

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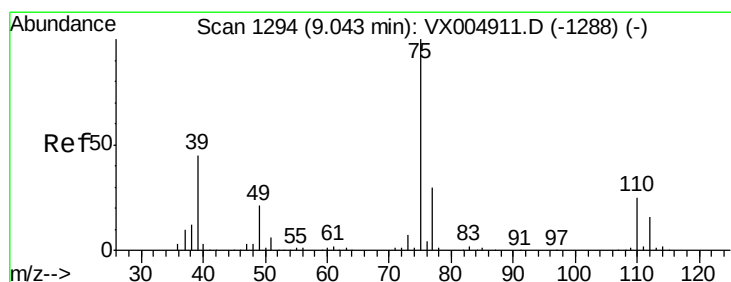
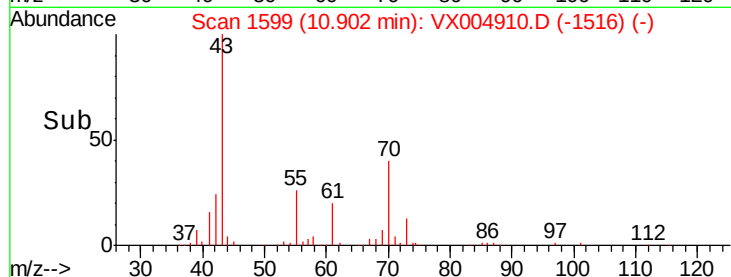
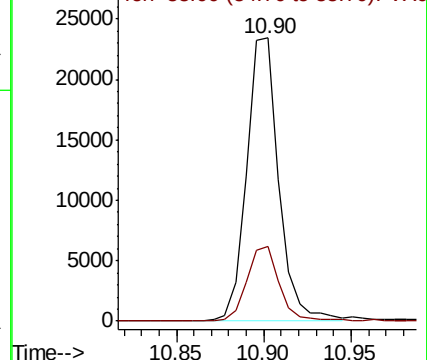
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 4.238 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004910.D

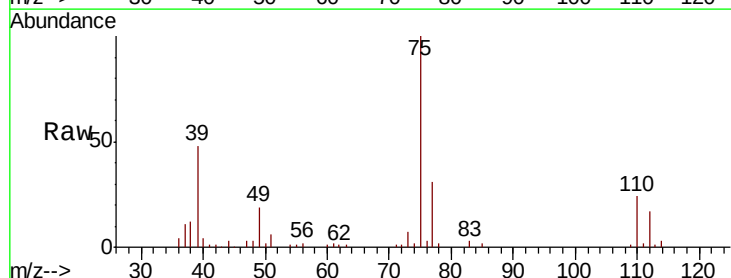
Acq: 02 Oct 2018 10:05

Tgt Ion: 75 Resp: 19412

Ion Ratio Lower Upper

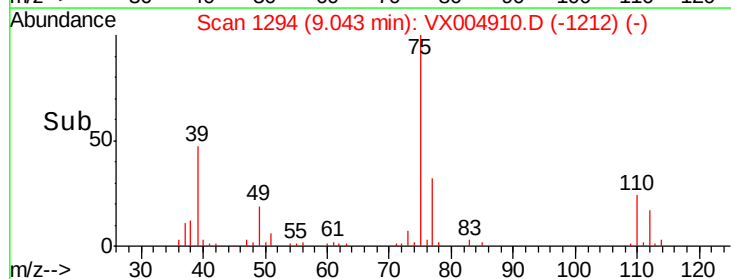
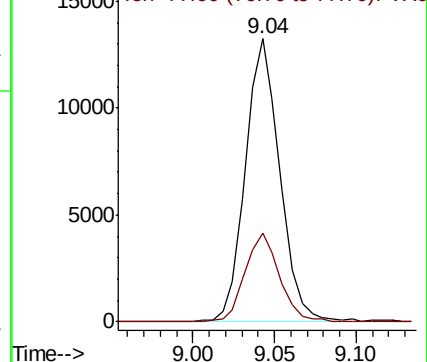
75 100

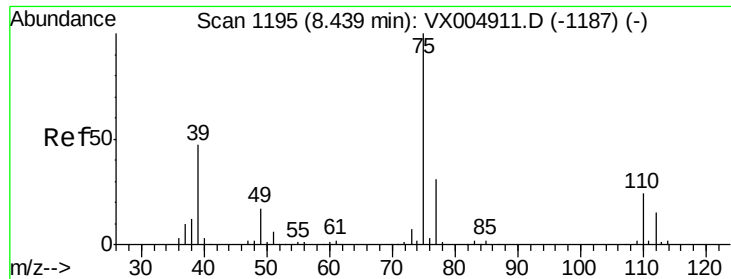
77 31.4 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





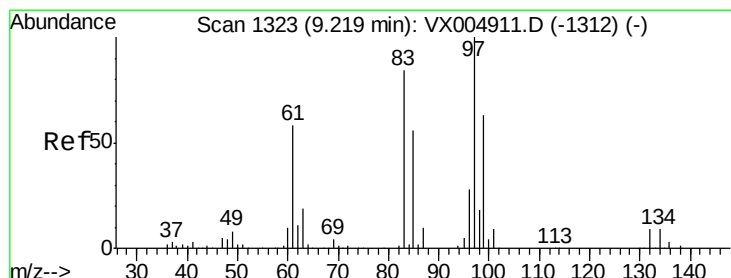
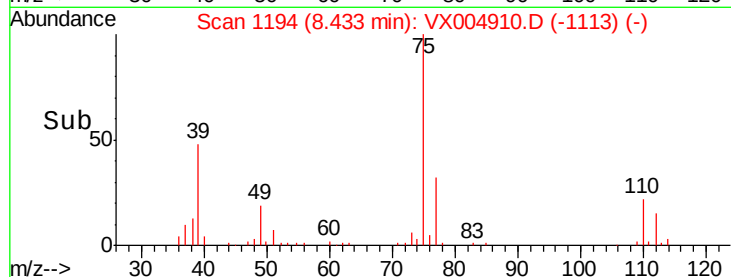
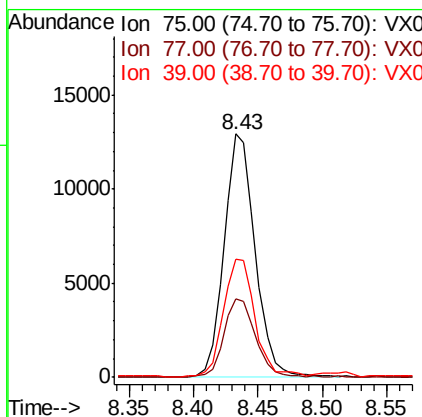
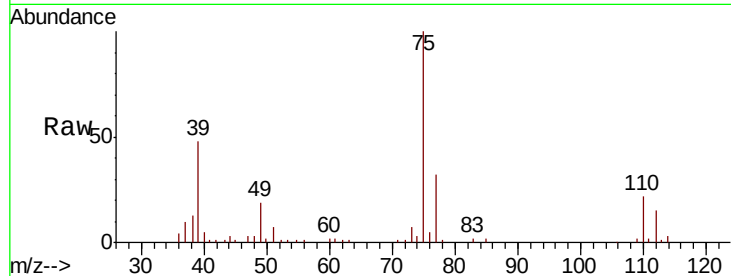
#49
 cis-1,3-Dichloropropene
 Concen: 4.945 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3
39	47.7	38.0	57.0

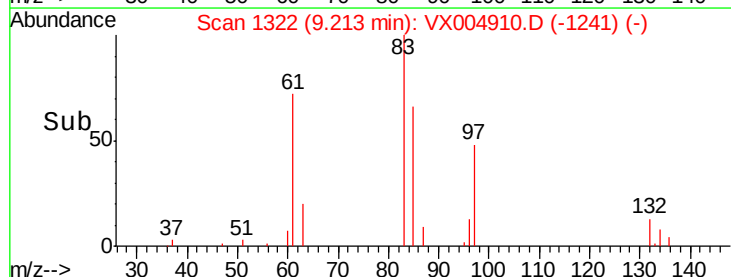
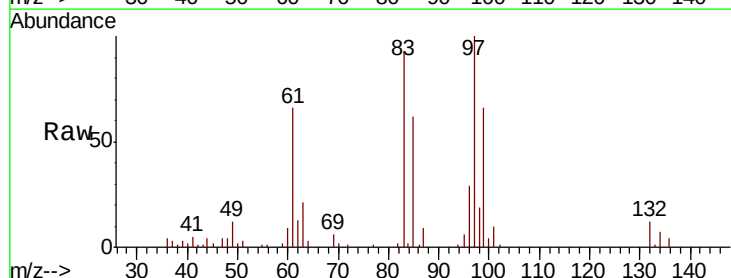
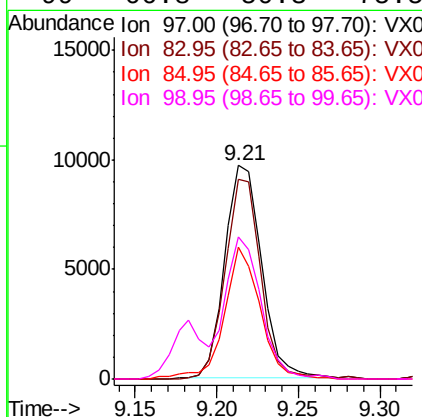
Manual Integrations
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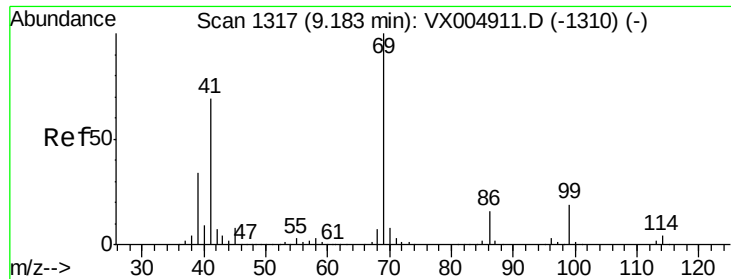
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#50
 1,1,2-Trichloroethane
 Concen: 5.140 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.2	67.2	100.8
85	62.2	44.7	67.1
99	66.8	50.3	75.5





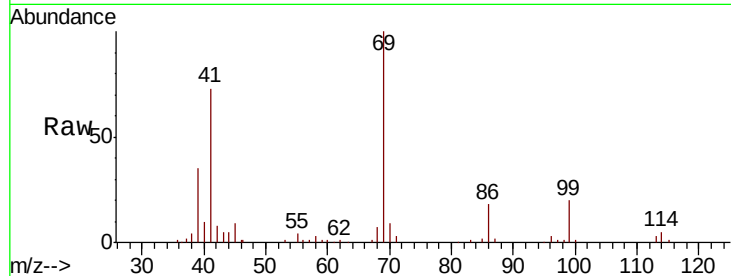
#51
Ethyl methacrylate
Concen: 4.416 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

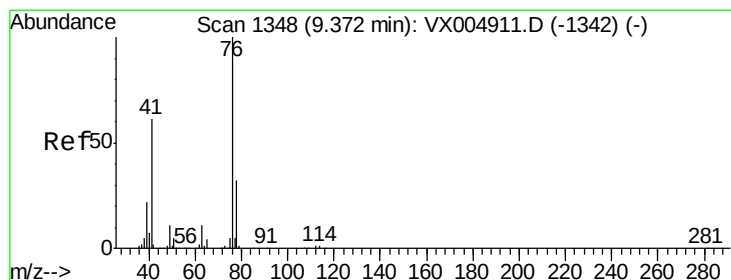
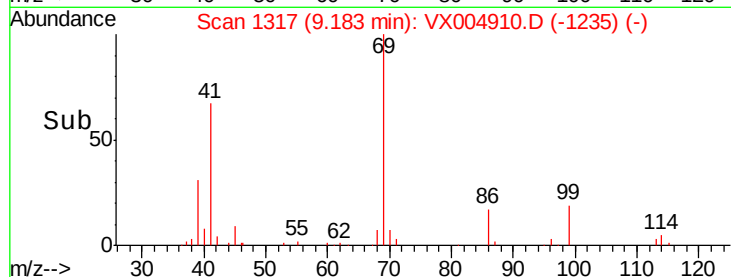
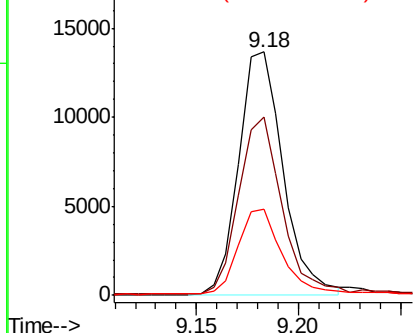
Tot Ion	Ratio	Lower	Upper
69	100		
41	72.4	34.6	103.9
39	34.4	17.0	51.0

Manual Integrations
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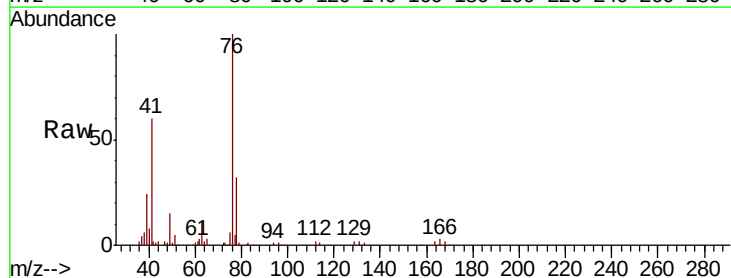


Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

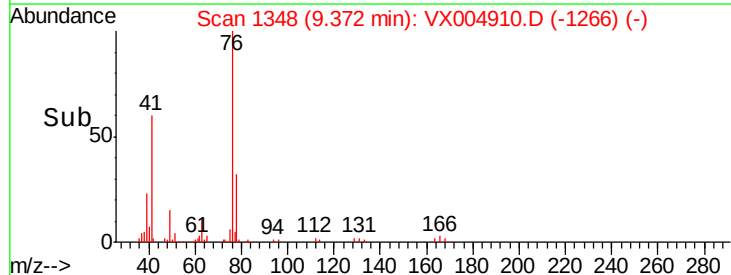
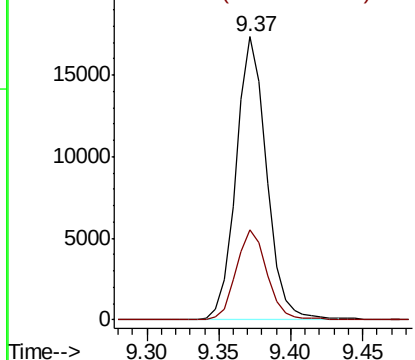


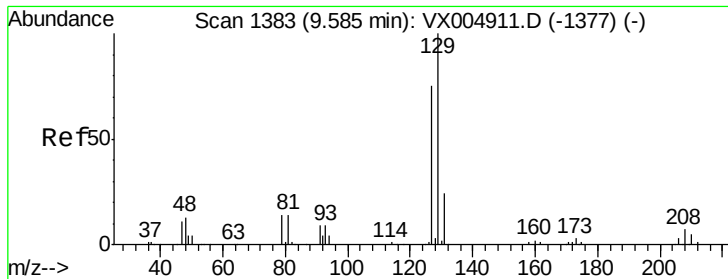
#52
1,3-Dichloropropane
Concen: 5.110 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	64.4



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





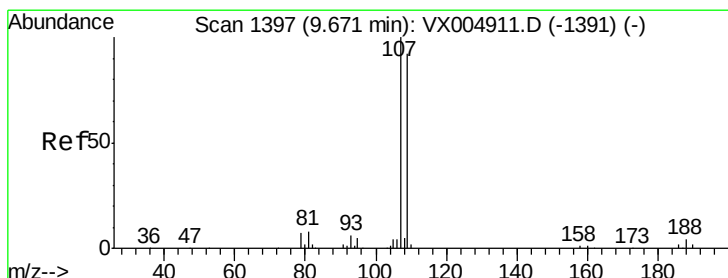
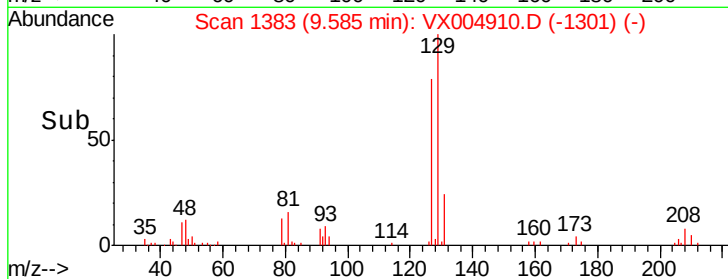
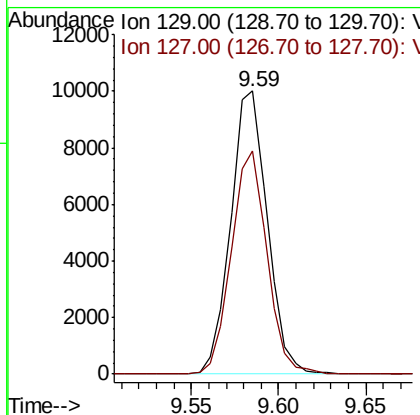
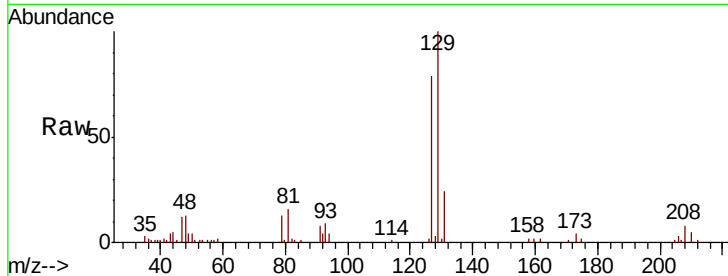
#53
 Dibromochloromethane
 Concen: 4.746 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9

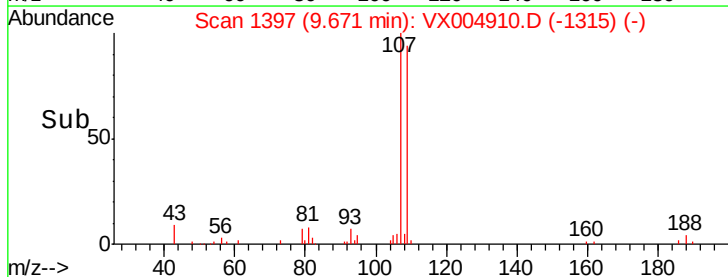
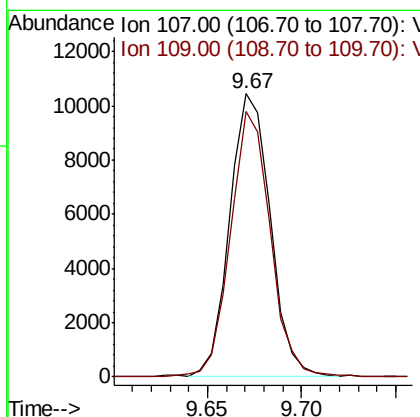
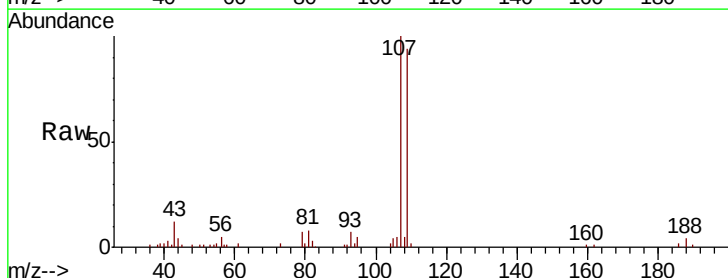
Manual Integrations
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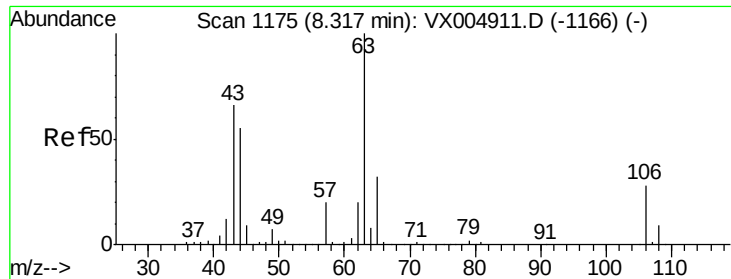
MMDadoda
 10/3/2018 4:23:04 PM



#54
 1,2-Dibromoethane
 Concen: 5.052 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.0	74.8	112.2





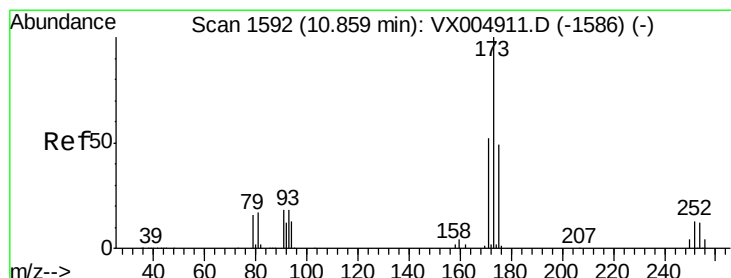
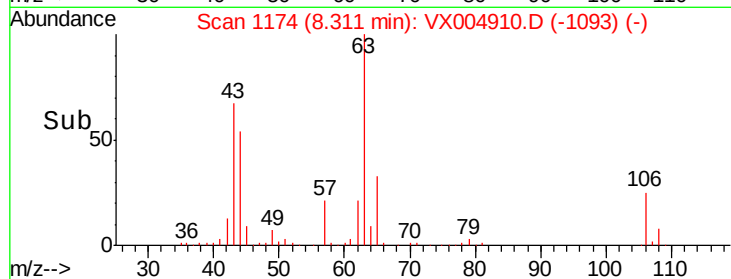
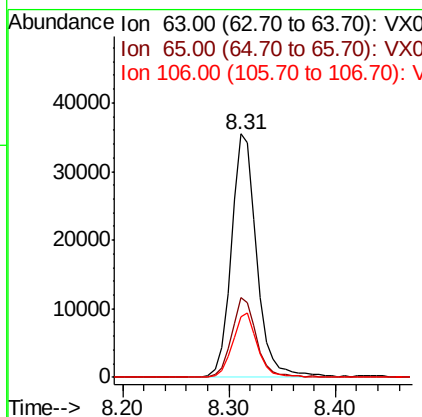
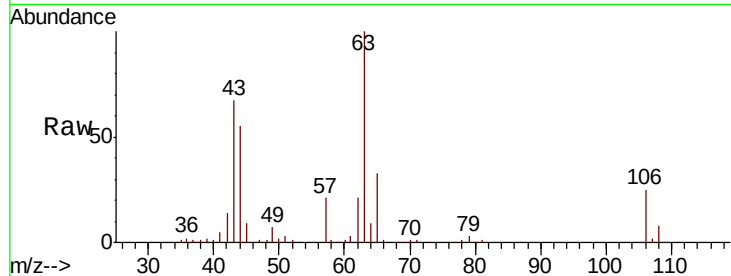
#55
2-Chloroethyl vinyl ether
Concen: 23.846 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.9	38.9
106	25.6	21.8	32.6

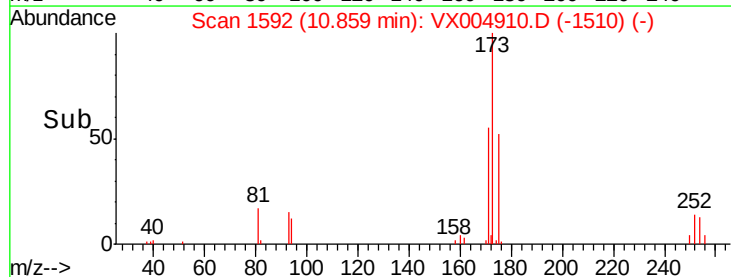
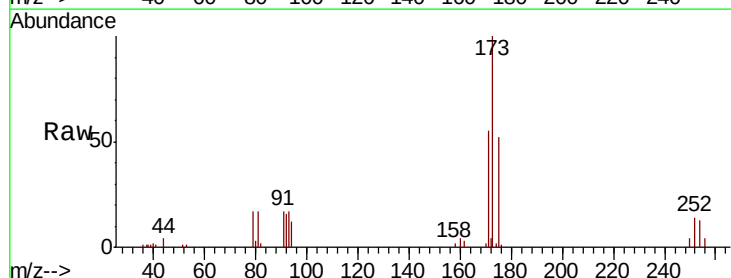
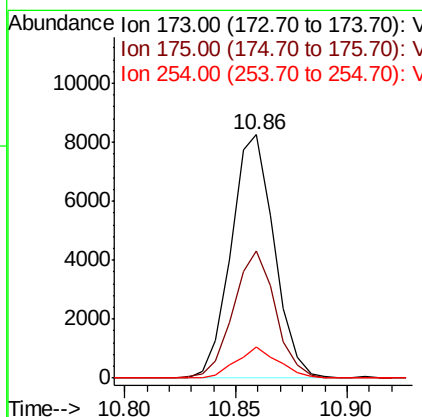
Manual Integrations
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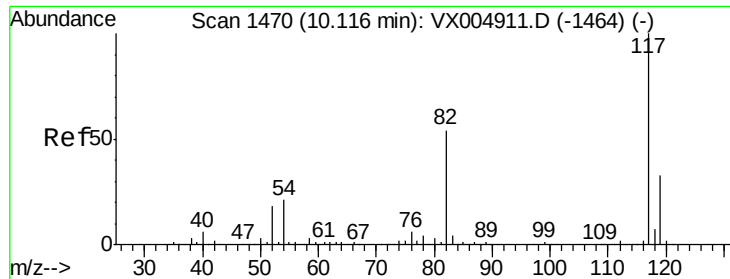
MMDadoda
10/3/2018 4:23:04 PM



#56
Bromoform
Concen: 4.308 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.2	39.7	59.5
254	12.3	9.6	14.4





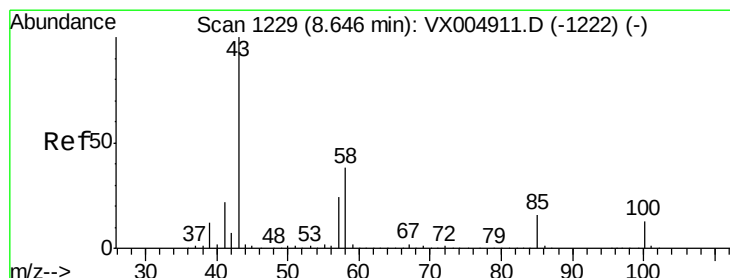
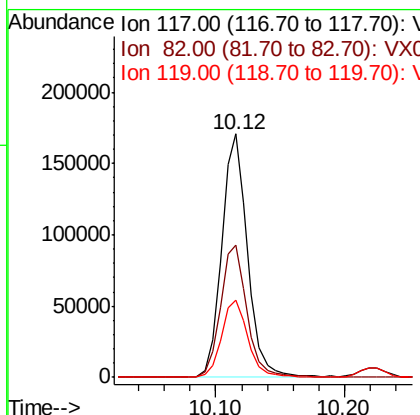
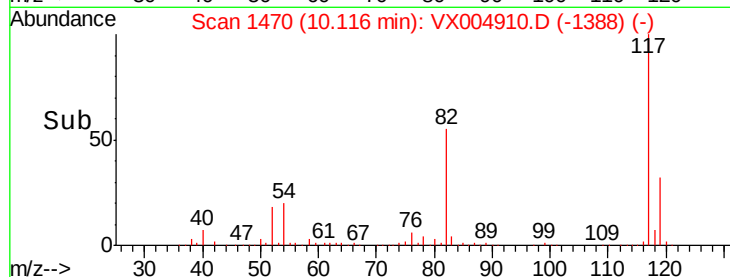
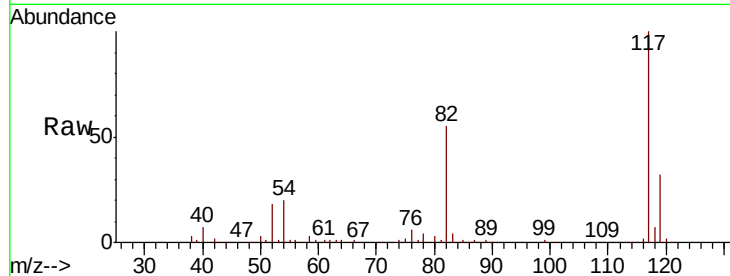
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.2	66.4
119	32.2	25.8	38.6

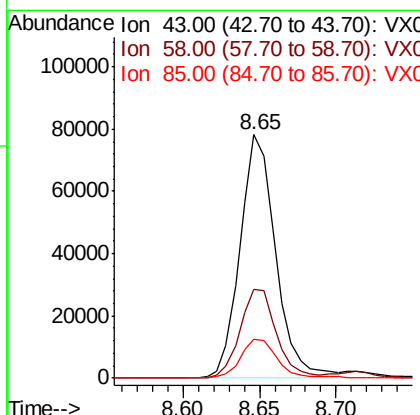
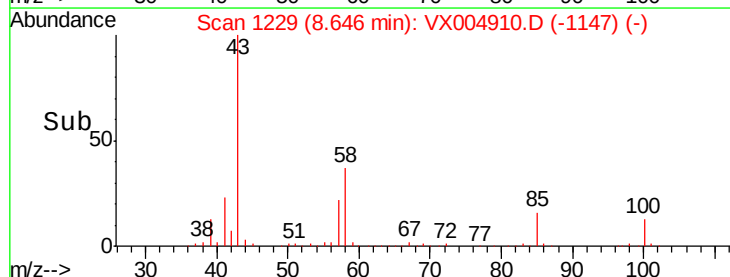
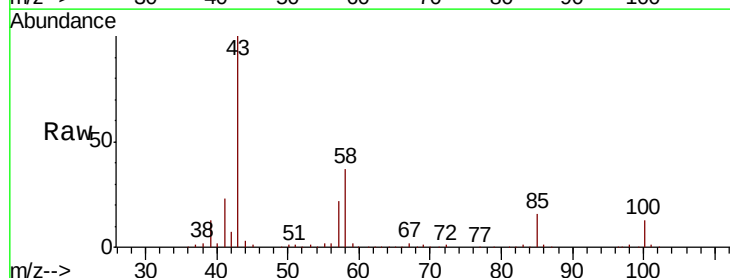
Manual Integrations
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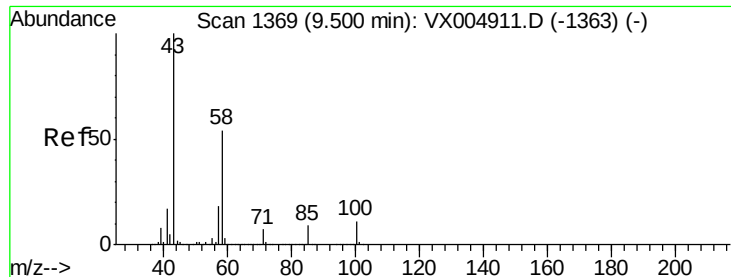
MMDadoda
10/3/2018 4:23:04 PM



#58
4-Methyl-2-Pentanone
Concen: 23.484 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.8	46.2
85	16.7	13.1	19.7





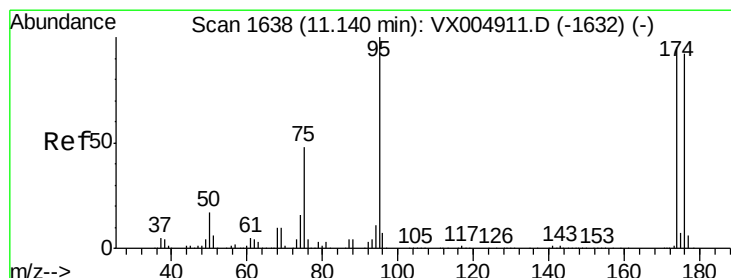
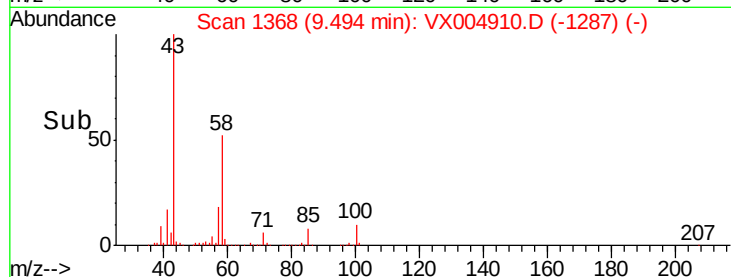
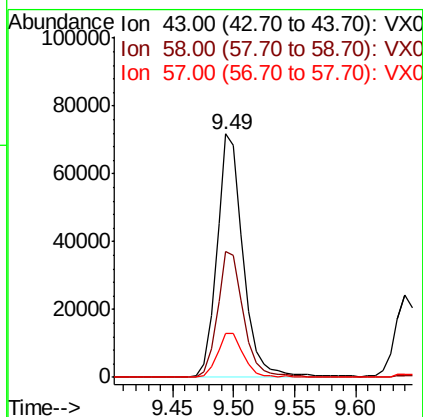
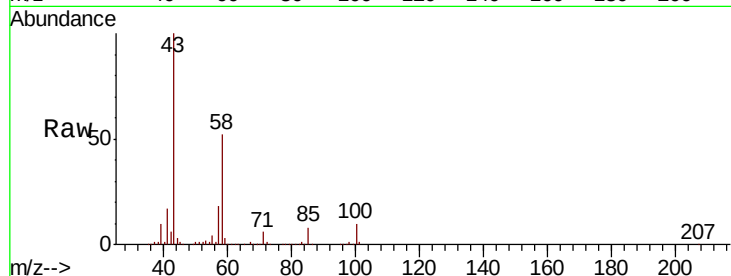
#59
2-Hexanone
Concen: 23.767 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	42.7	64.1
57	18.4	14.6	22.0

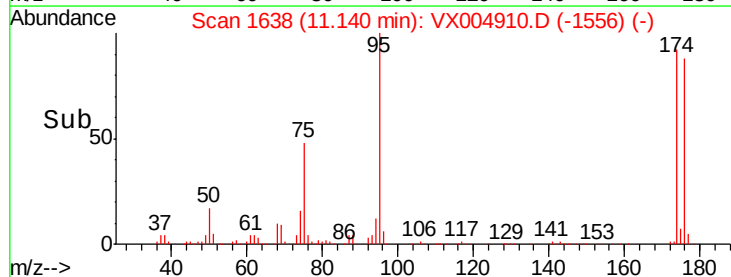
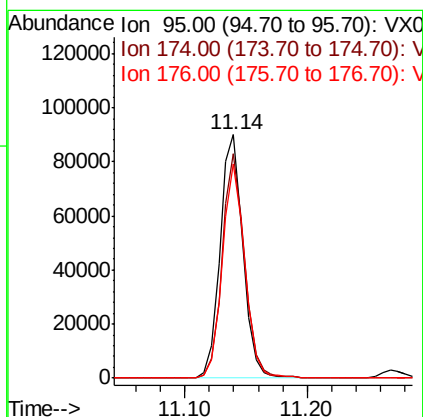
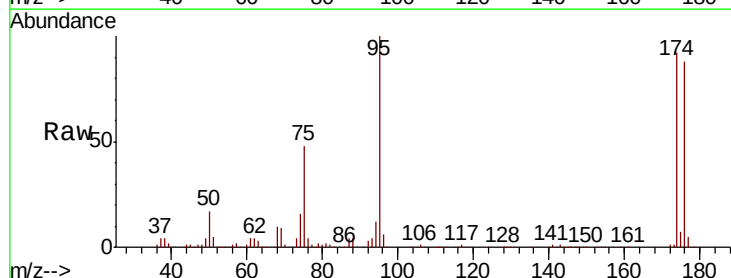
Manual Integrations
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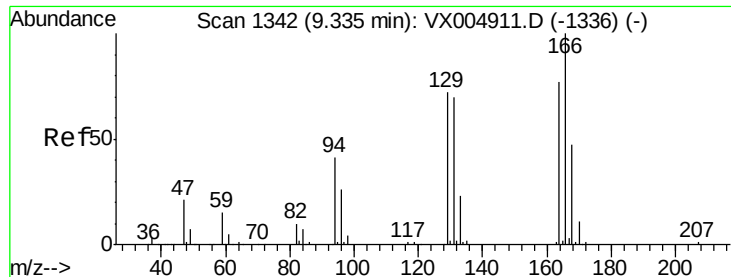
MMDadoda
10/3/2018 4:23:04 PM



#60
4-Bromofluorobenzene
Concen: 29.190 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	73.1	109.7
176	86.1	71.0	106.6





#61

Tetrachloroethene

Concen: 5.100 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 14955

Ion Ratio Lower Upper

164 100

166 142.1 104.0 156.0

129 94.2 75.1 112.7

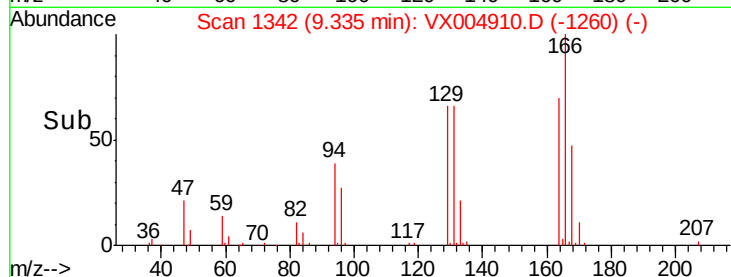
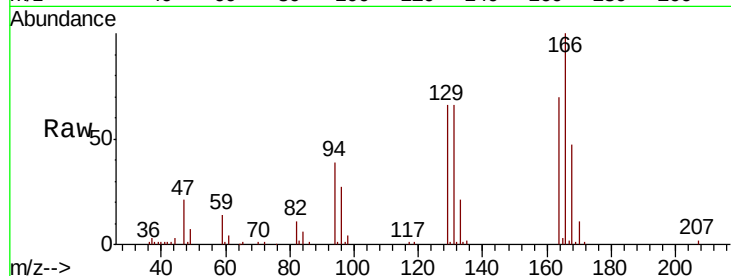
131 94.5 72.5 108.7

Manual Integrations

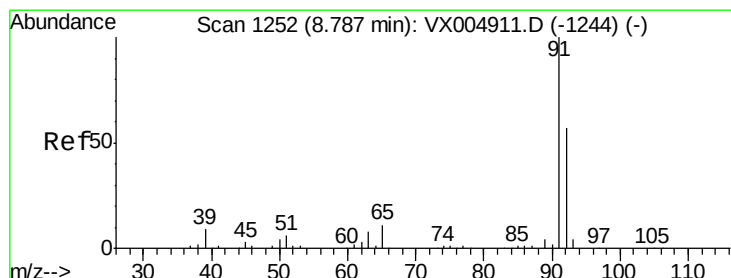
APPROVED

MMDadoda

10/3/2018 4:23:04 PM



Time-->



#62

Toluene

Concen: 5.039 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004910.D

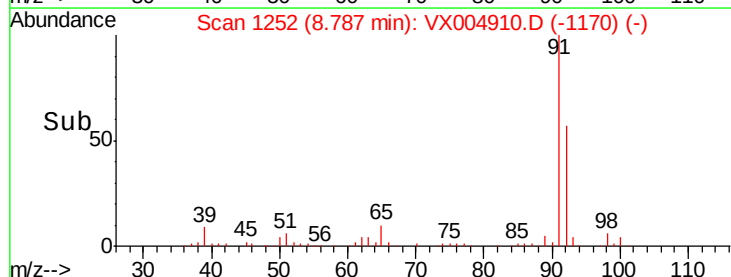
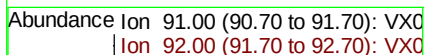
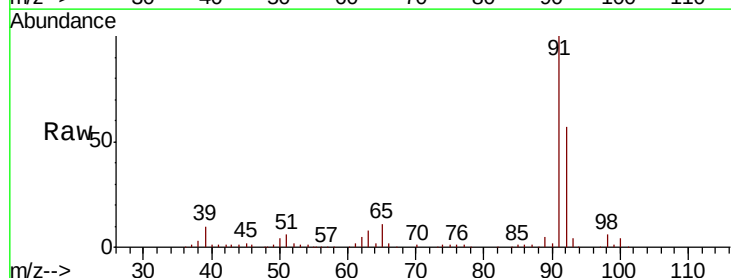
Acq: 02 Oct 2018 10:05

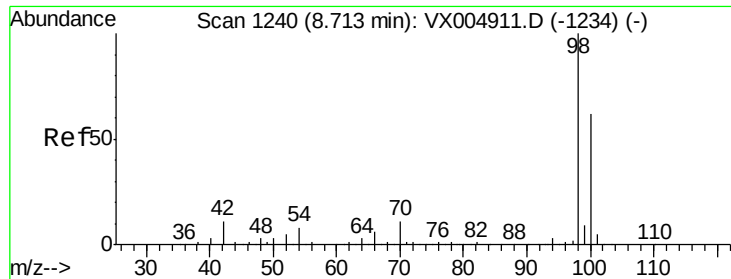
Tgt Ion: 91 Resp: 63808

Ion Ratio Lower Upper

91 100

92 56.7 46.2 69.4





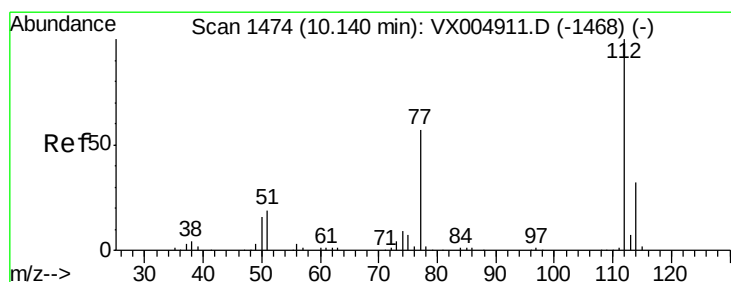
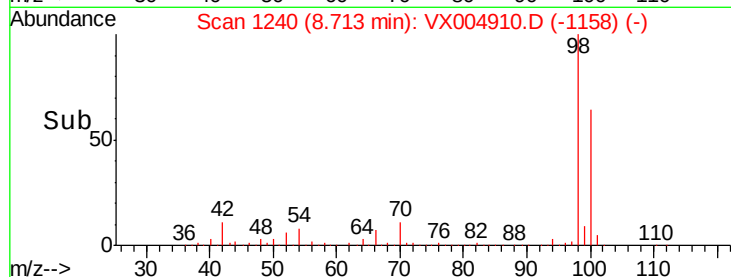
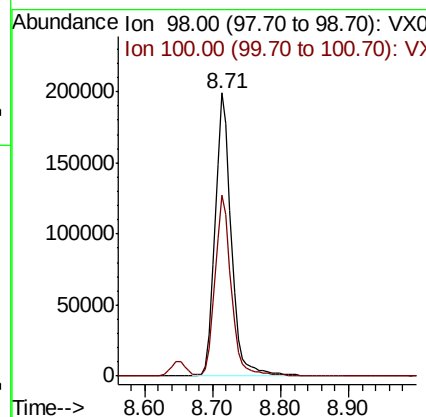
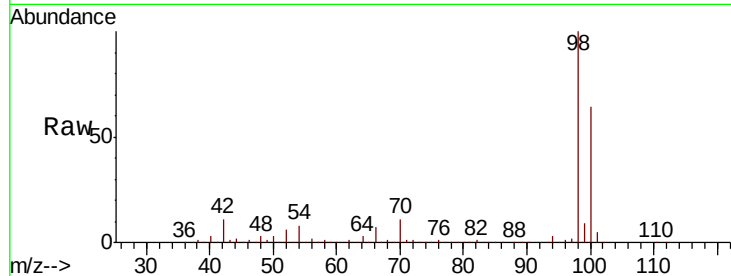
#63
Toluene-d8
Concen: 30.649 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 329639
Ion Ratio Lower Upper
98 100
100 62.8 51.6 77.4

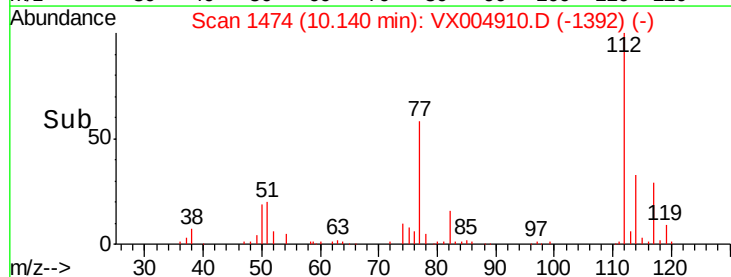
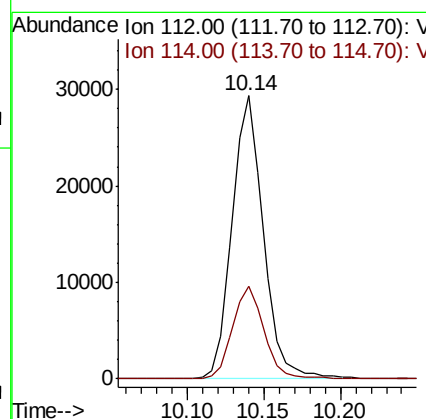
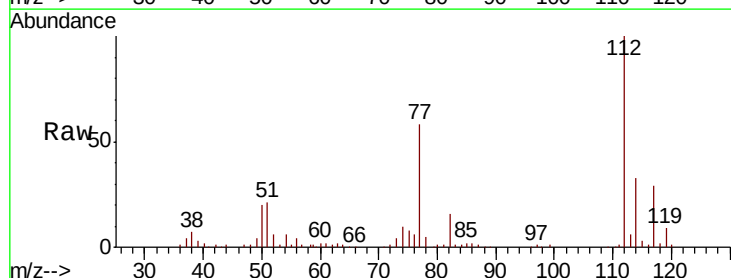
Manual Integrations
APPROVED

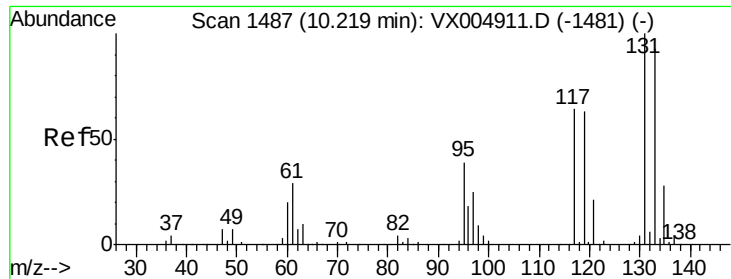
MMDadoda
10/3/2018 4:23:04 PM



#64
Chlorobenzene
Concen: 5.085 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion: 112 Resp: 41582
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 4.799 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

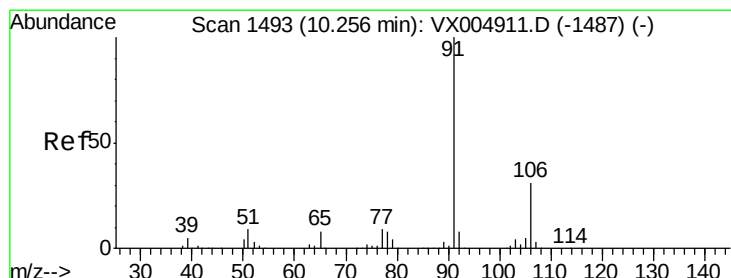
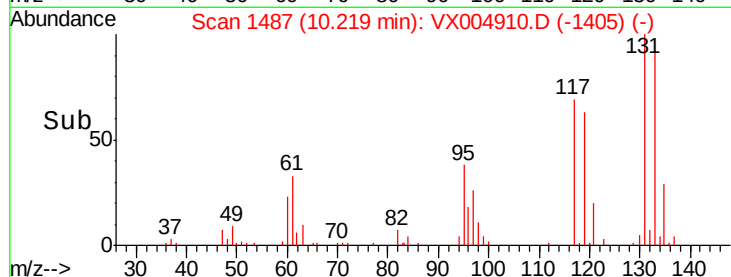
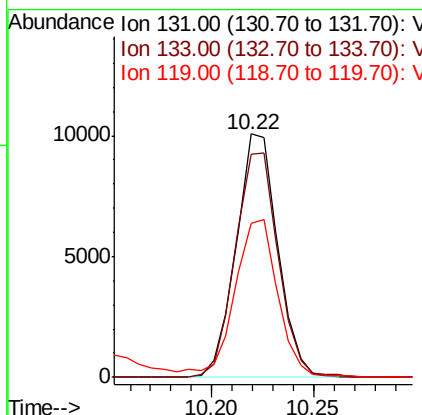
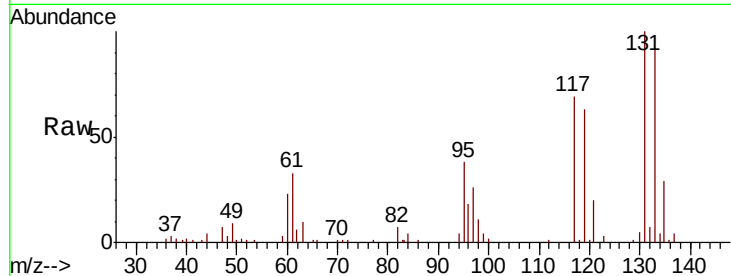
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
131	100	14265		
133	95.0	0.0	190.4	
119	65.7	0.0	129.0	

Manual Integrations
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10/3/2018 4:23:04 PM



#66

Ethyl Benzene

Concen: 4.850 ug/l

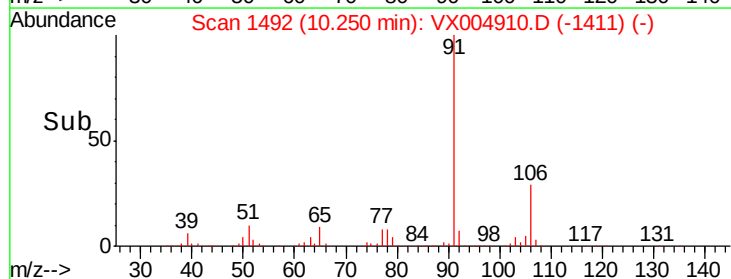
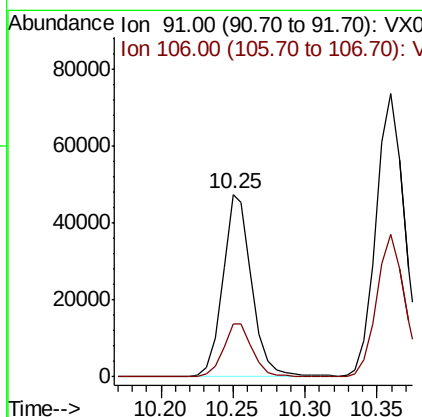
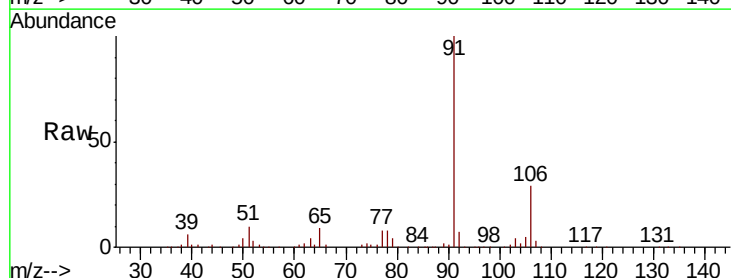
RT: 10.25 min Scan# 1492

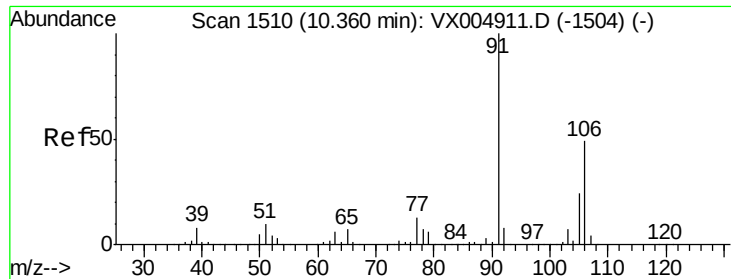
Delta R.T. -0.01 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	67055		
106	29.3	24.5	36.7	





#67

m/p-Xylenes

Concen: 9.527 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 51281

Ion Ratio Lower Upper

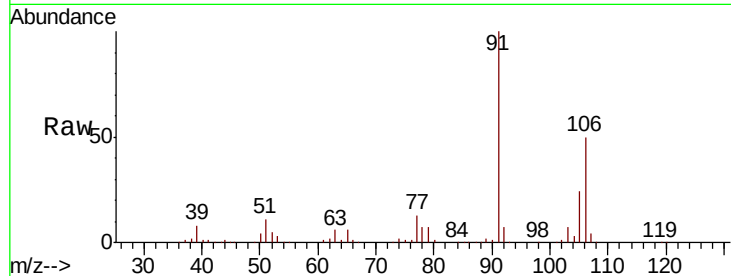
106 100

91 198.4 165.5 248.3

Manual Integrations
APPROVED

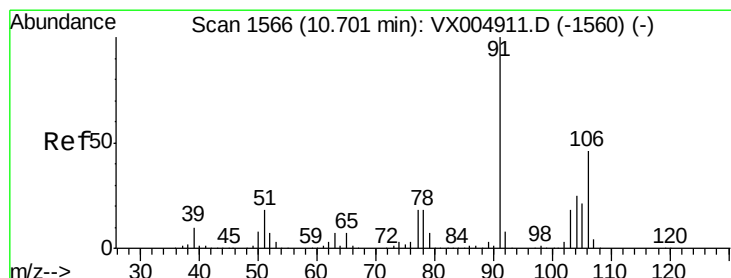
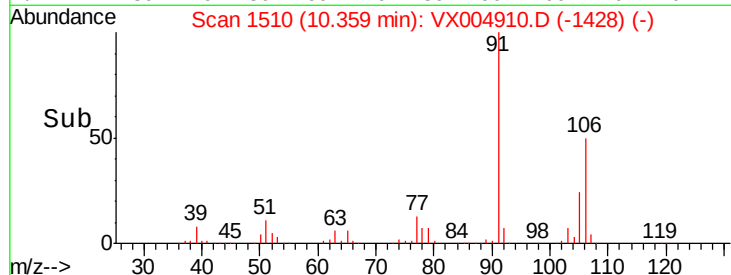
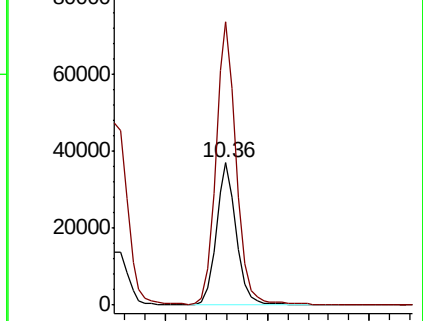
MMDadoda

10/3/2018 4:23:04 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 4.713 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX004910.D

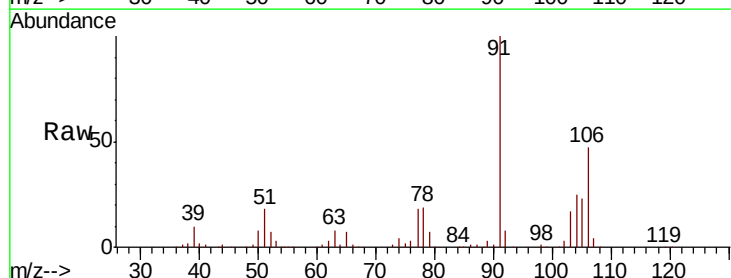
Acq: 02 Oct 2018 10:05

Tgt Ion:106 Resp: 24452

Ion Ratio Lower Upper

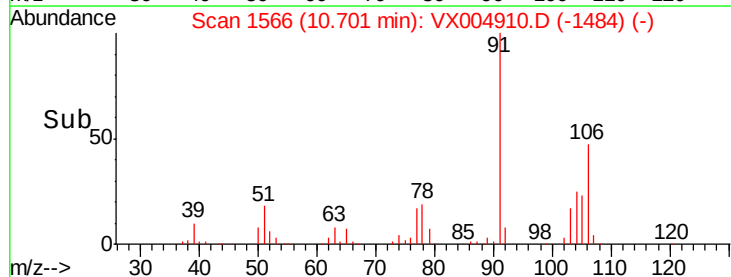
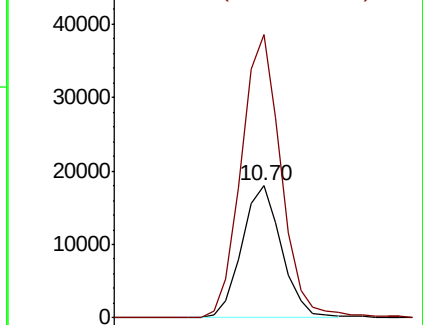
106 100

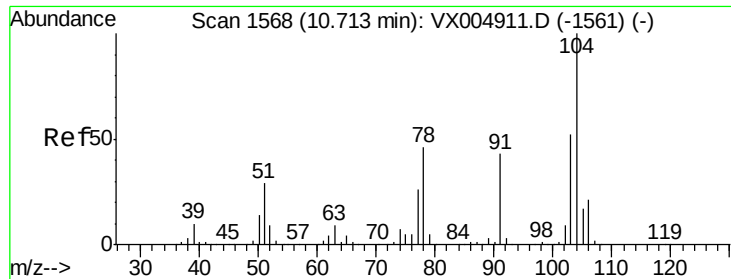
91 215.2 109.1 327.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





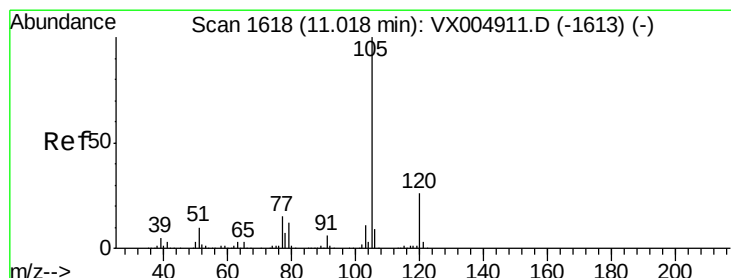
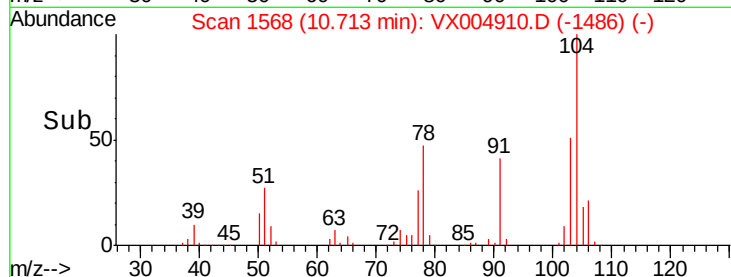
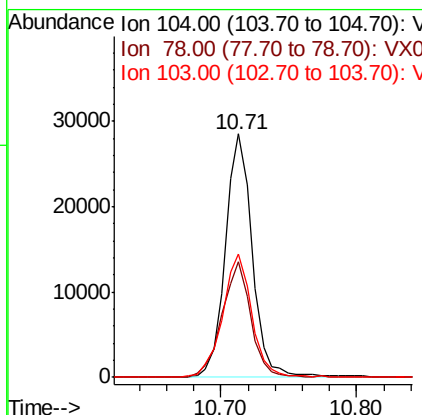
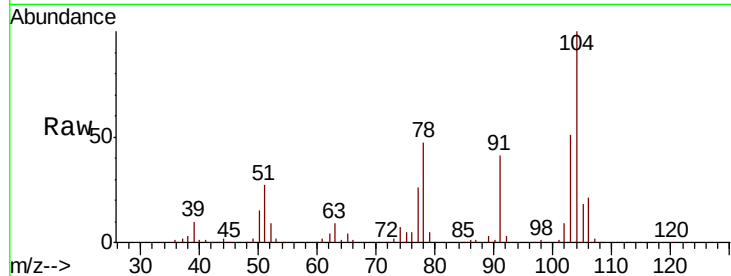
#69
Stvrene
Concen: 4.484 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.3	60.5
103	55.2	44.6	66.8

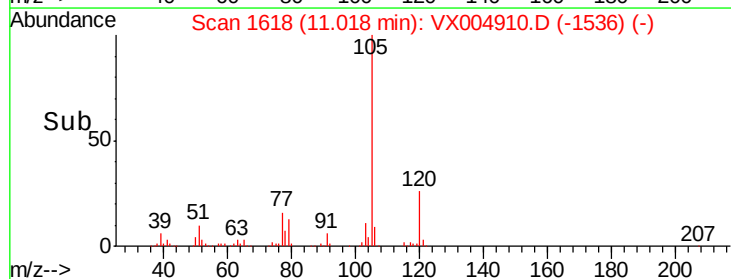
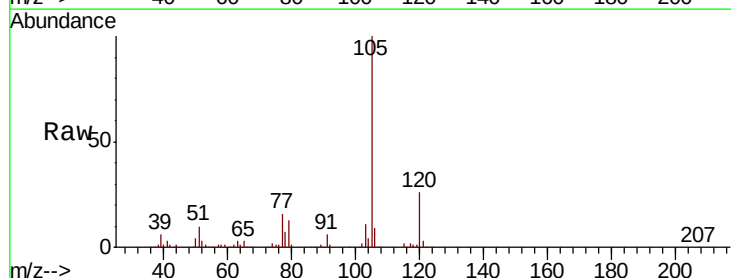
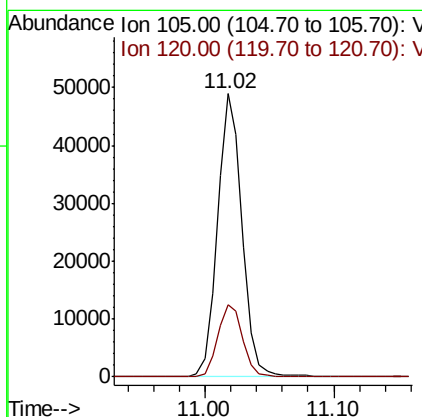
Manual Integrations
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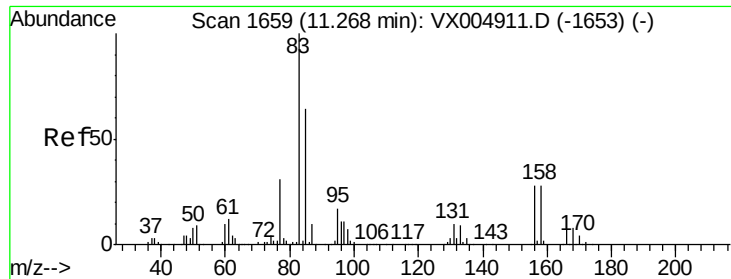
MMDadoda
10/3/2018 4:23:04 PM



#70
Isopropylbenzene
Concen: 4.711 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.3	34.1





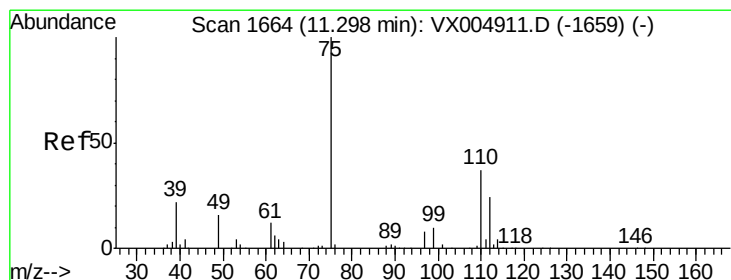
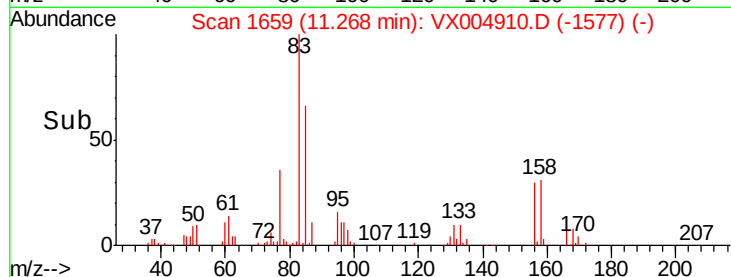
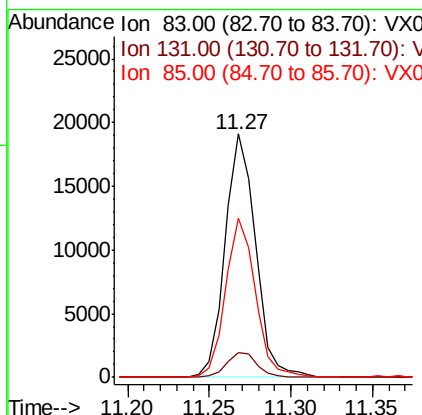
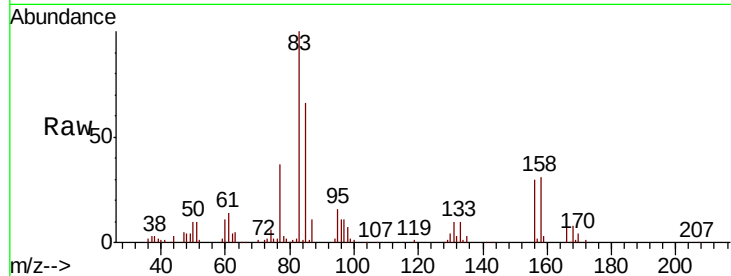
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.811 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	24827
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.1	15.2
85	64.4	32.2	96.6

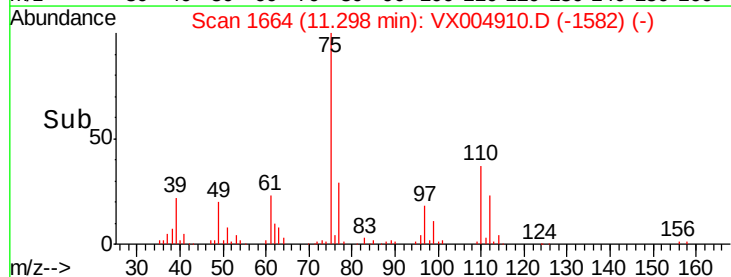
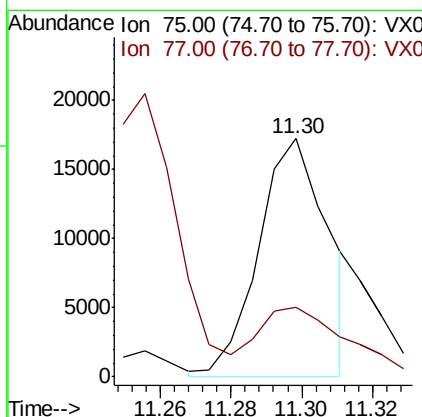
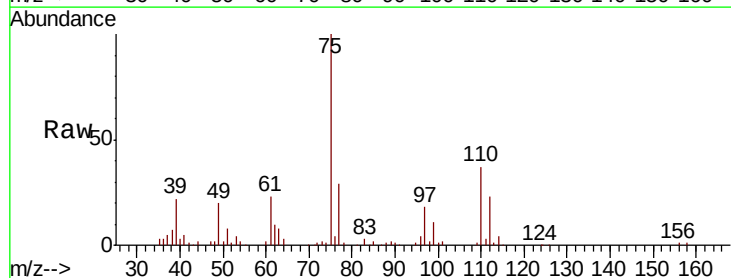
Manual Integrations
 APPROVED

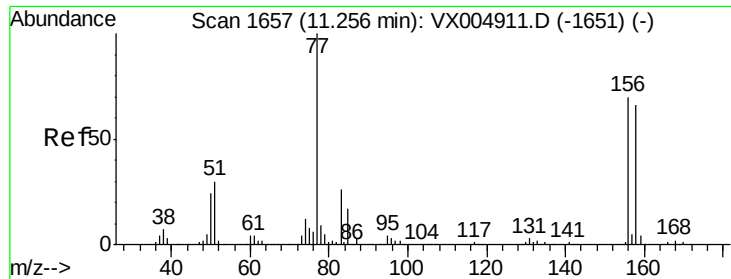
MMDadoda
 10/3/2018 4:23:04 PM



#72
 1,2,3-Trichloropropane
 Concen: 4.960 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	75	Resp	23319
Ion Ratio	100	Lower	Upper
75	100		
77	38.5	0.0	81.2





#73

Bromobenzene

Concen: 4.896 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 18698

Ion Ratio Lower Upper

156 100

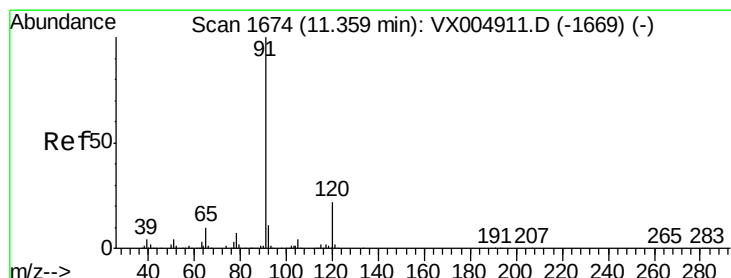
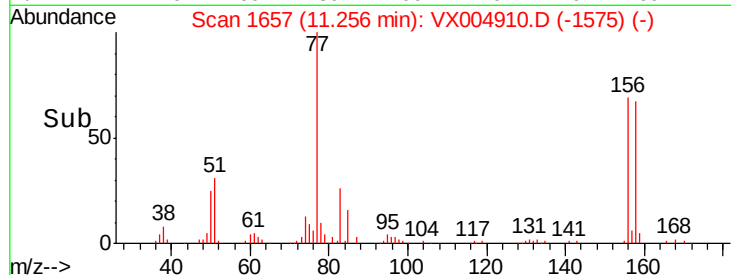
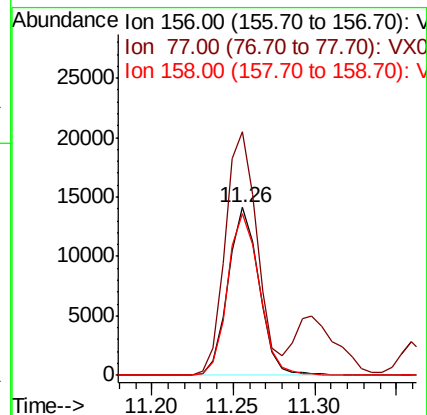
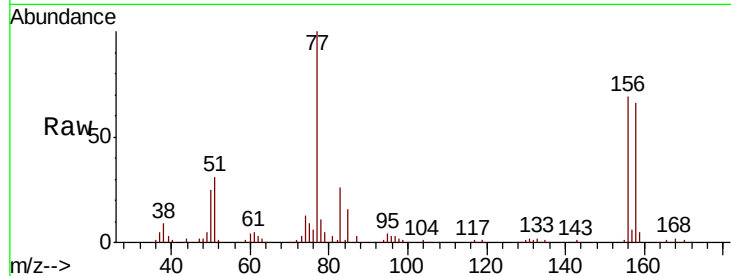
77 150.8 0.0 292.4

158 99.2 0.0 194.2

Manual Integrations
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10/3/2018 4:23:04 PM



#74

n-propylbenzene

Concen: 4.738 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004910.D

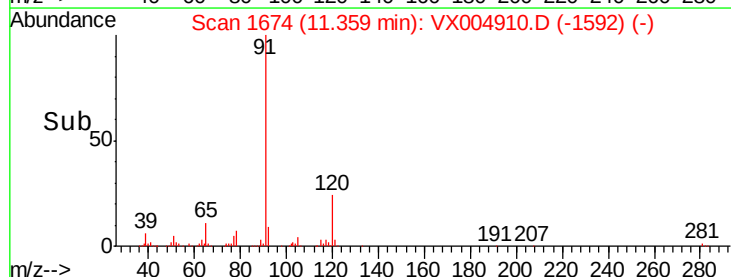
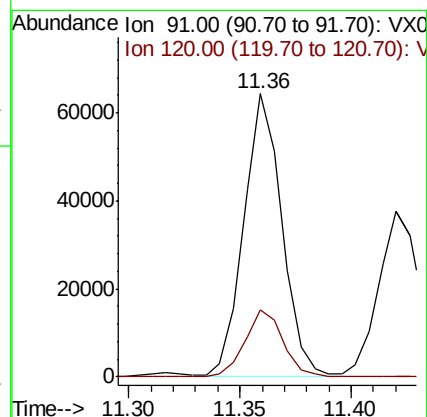
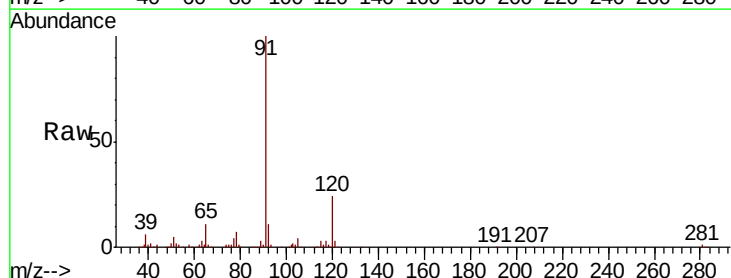
Acq: 02 Oct 2018 10:05

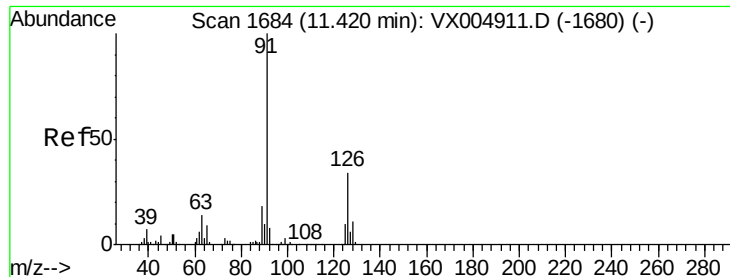
Tgt Ion: 91 Resp: 77462

Ion Ratio Lower Upper

91 100

120 23.7 0.0 45.4





#75

2-Chlorotoluene

Concen: 4.878 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48637

Ion Ratio Lower Upper

91 100

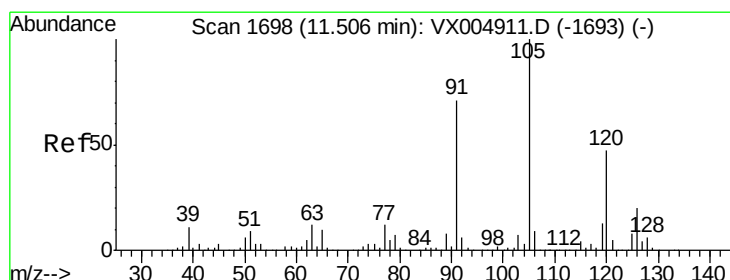
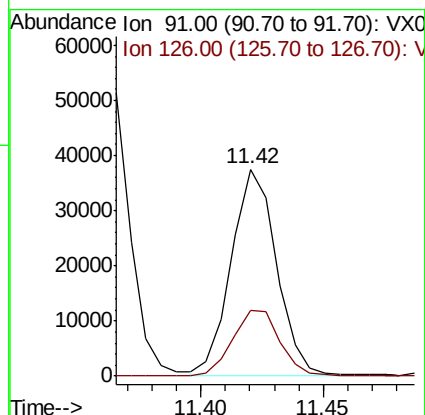
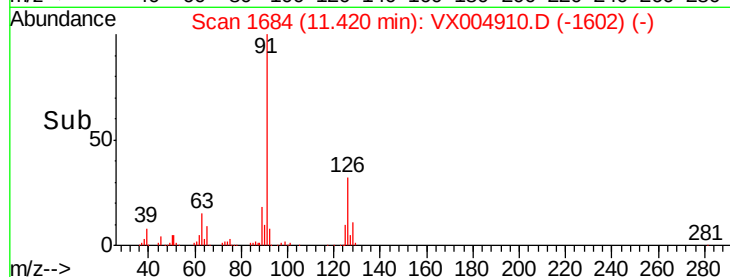
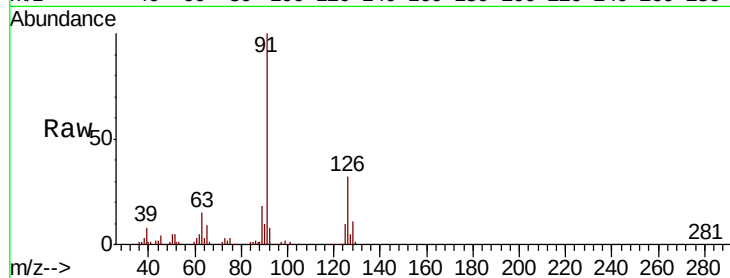
126 33.6 0.0 68.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 4.646 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004910.D

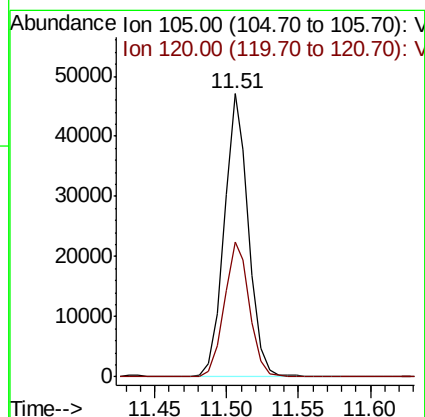
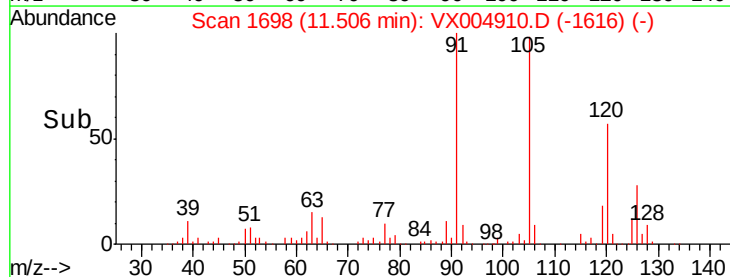
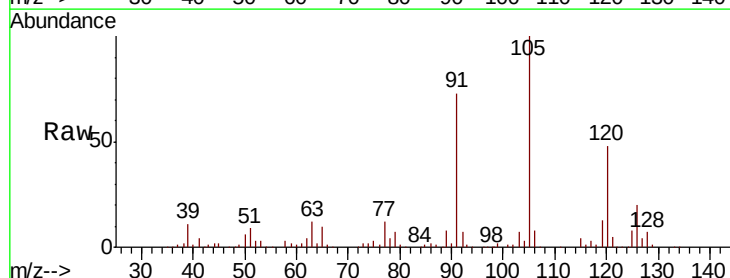
Acq: 02 Oct 2018 10:05

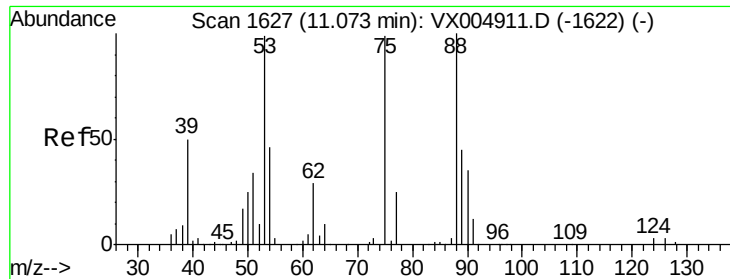
Tgt Ion: 105 Resp: 55701

Ion Ratio Lower Upper

105 100

120 49.3 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 3.721 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 5752

Ion Ratio Lower Upper

75 100

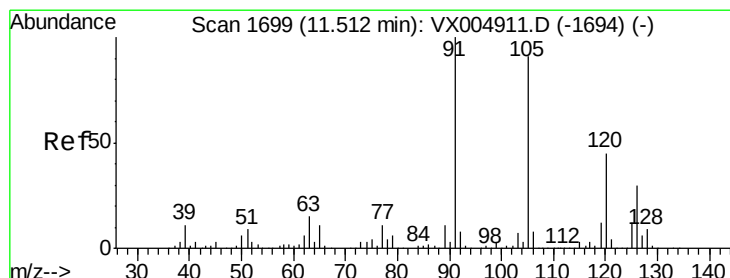
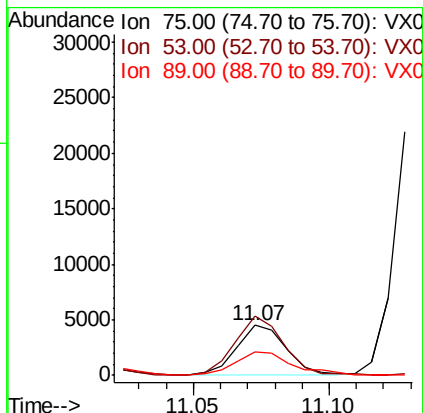
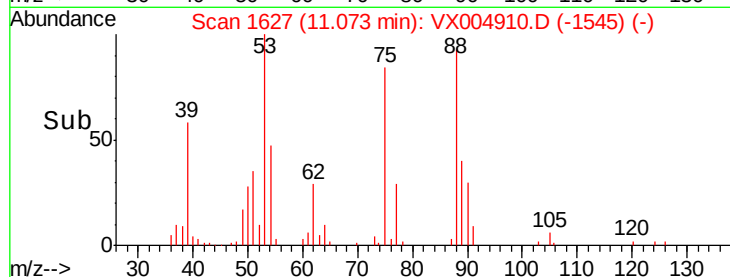
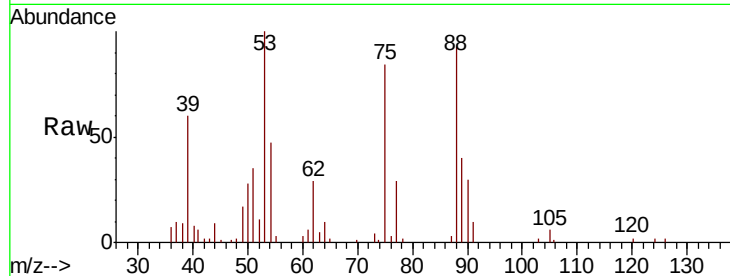
53 117.0 50.3 150.9

89 46.2 22.6 67.8

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#78

4-Chlorotoluene

Concen: 4.808 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004910.D

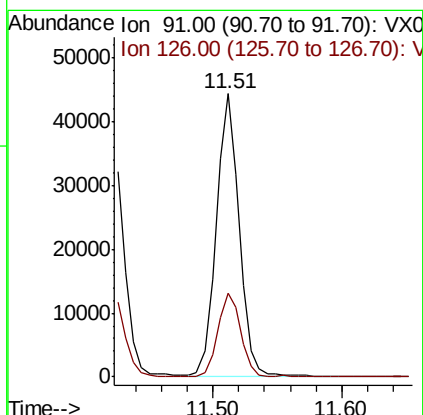
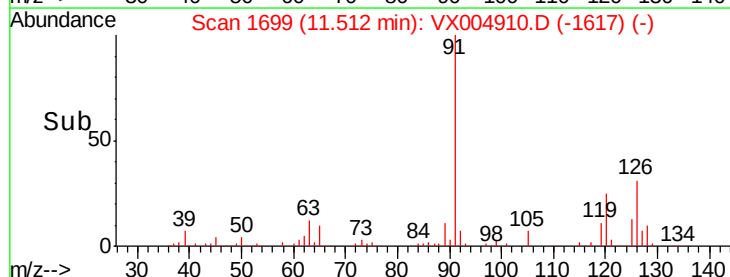
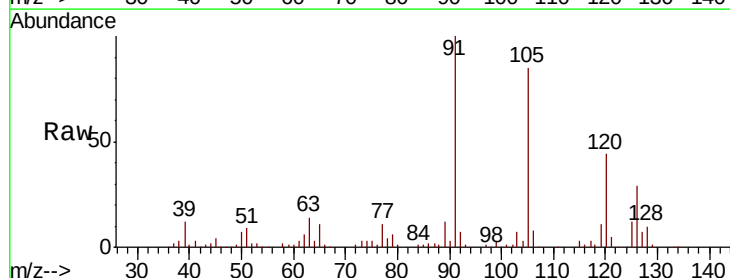
Acq: 02 Oct 2018 10:05

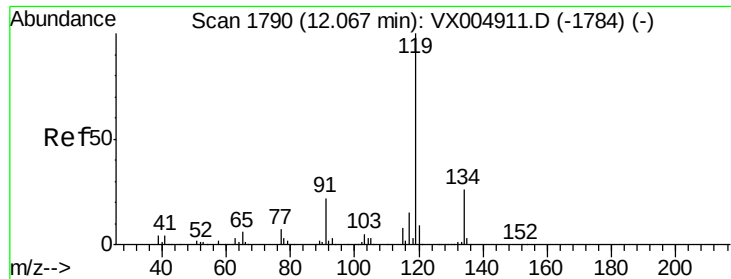
Tgt Ion: 91 Resp: 55720

Ion Ratio Lower Upper

91 100

126 29.5 0.0 61.0





#79

tert-butylbenzene

Concen: 4.558 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Instrument :

MSVOA_X

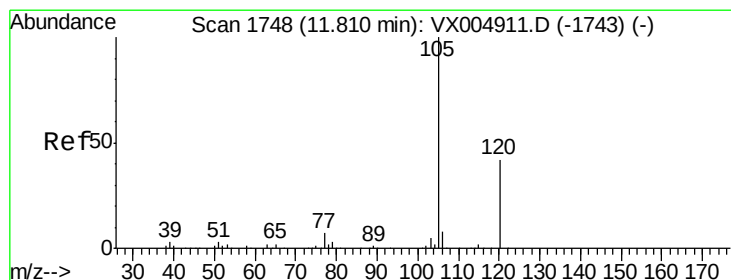
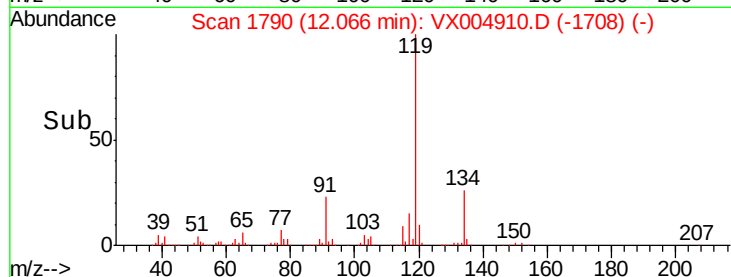
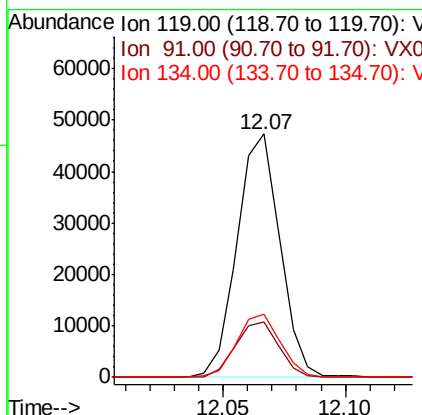
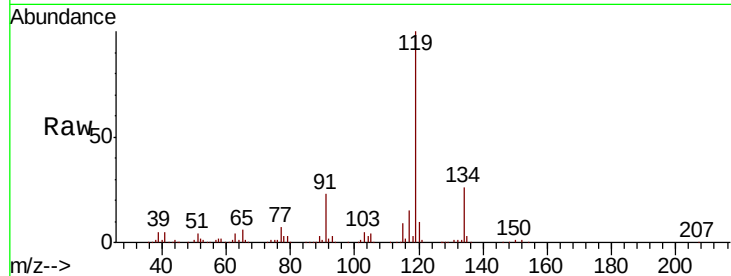
ClientSampleId :

VSTDIC005

Tot Ion	119	Resp	57988
Ion	Ratio	Lower	Upper
119	100		
91	22.7	0.0	45.8
134	26.3	0.0	52.8

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#80

1,2,4-Trimethylbenzene

Concen: 4.536 ug/l

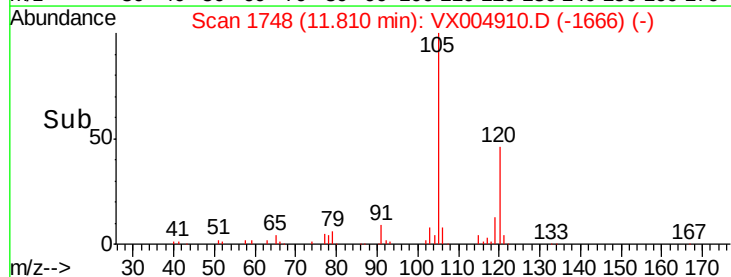
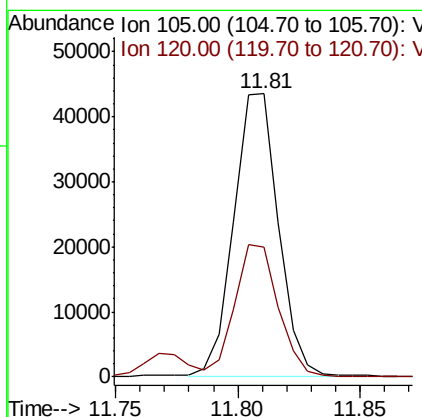
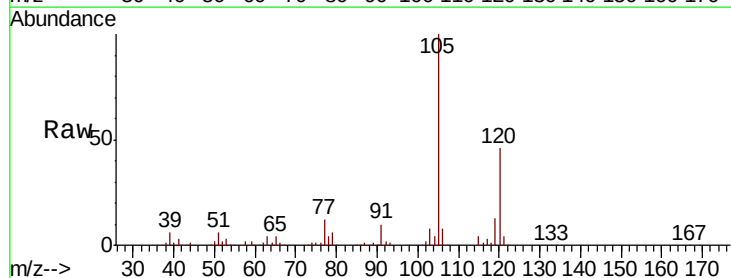
RT: 11.81 min Scan# 1748

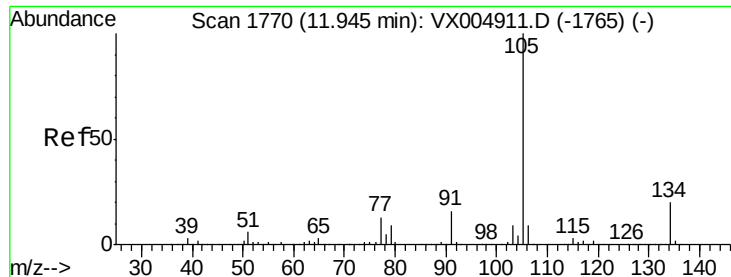
Delta R.T. -0.00 min

Lab File: VX004910.D

Acq: 02 Oct 2018 10:05

Tgt Ion	105	Resp	55459
Ion	Ratio	Lower	Upper
105	100		
120	45.7	0.0	90.6





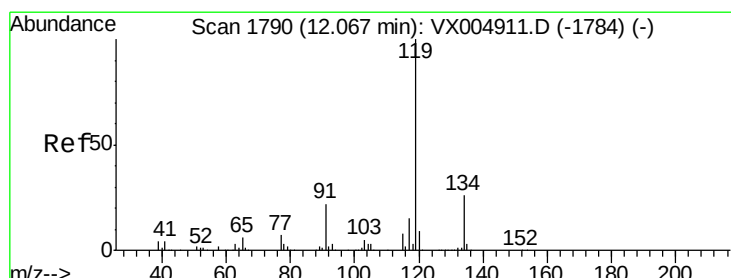
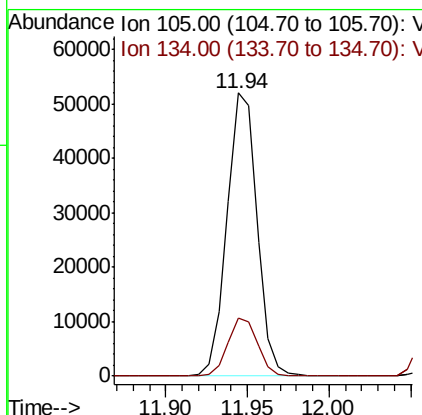
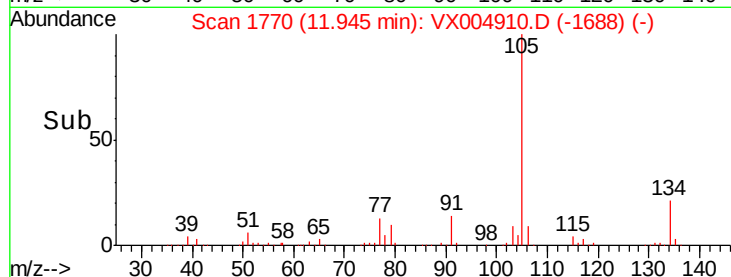
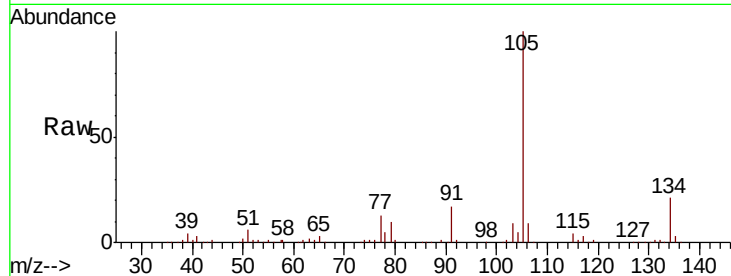
#81
 sec-Butylbenzene
 Concen: 4.690 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	0.0	40.4

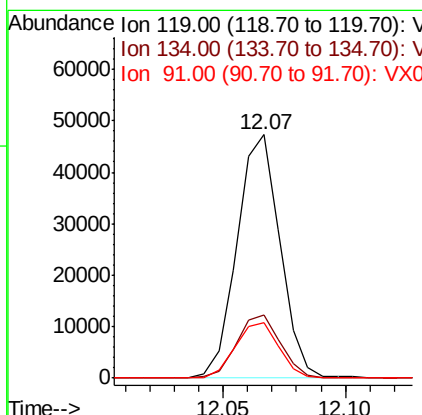
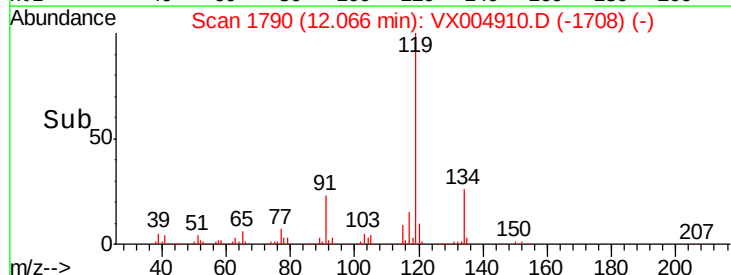
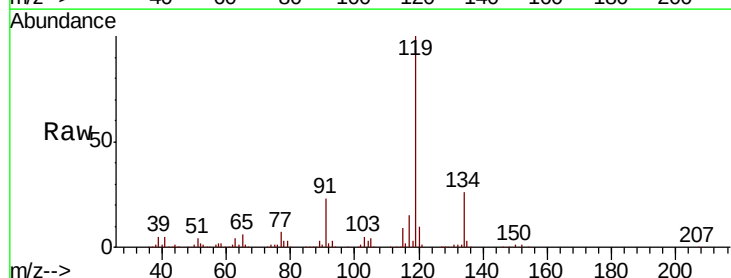
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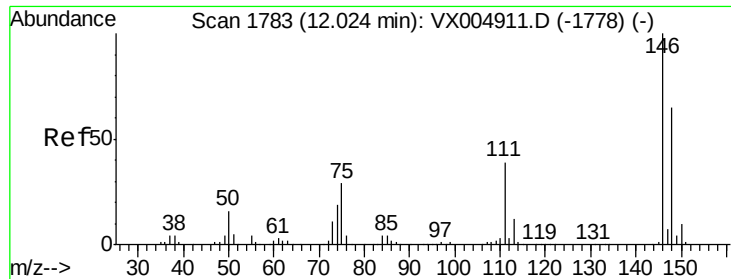
MMDadoda
 10/3/2018 4:23:04 PM



#82
 p-Isopropyltoluene
 Concen: 4.558 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	0.0	52.8
91	22.7	0.0	45.8





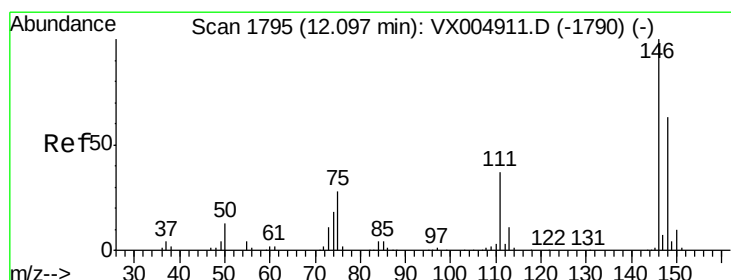
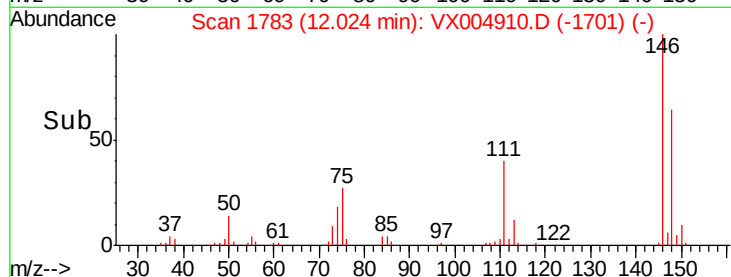
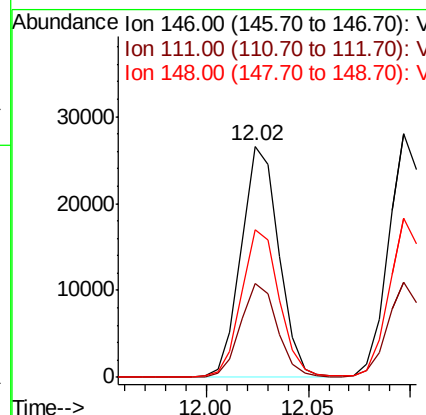
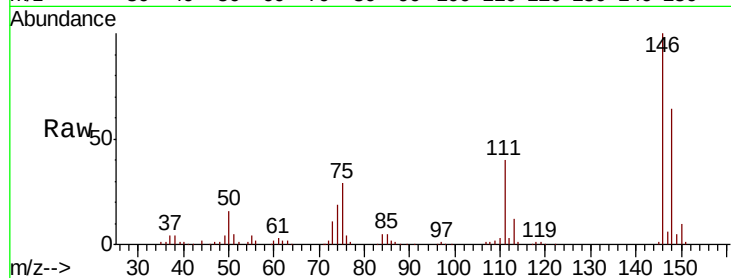
#83
 1,3-Dichlorobenzene
 Concen: 4.827 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.8
148	64.7	32.4	97.2

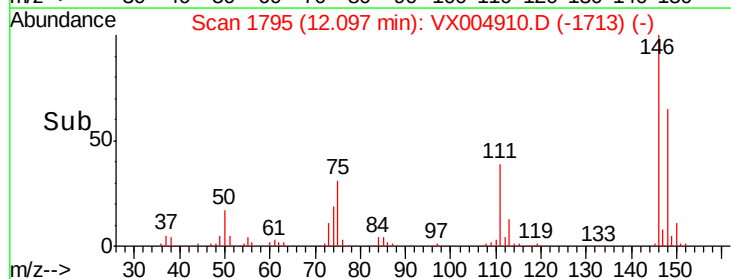
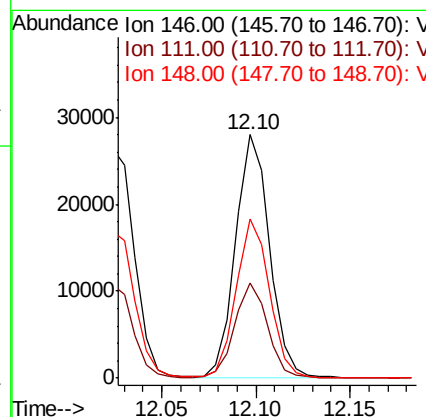
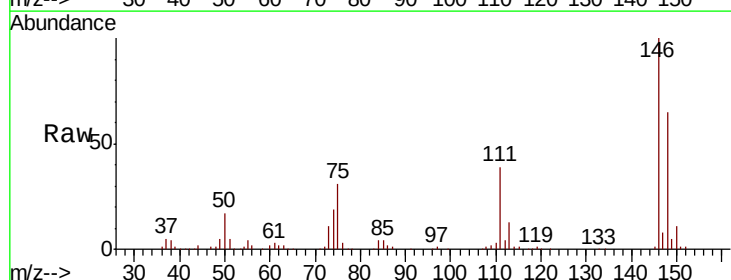
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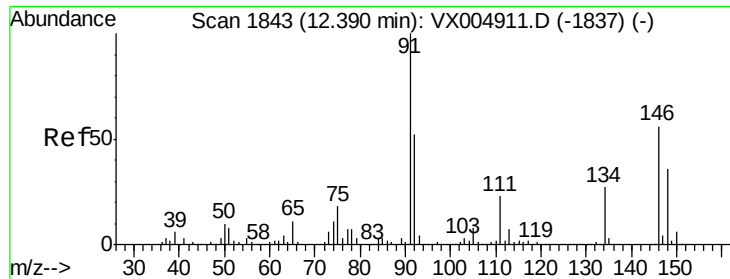
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#84
 1,4-Dichlorobenzene
 Concen: 4.905 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.4
148	64.1	31.9	95.7





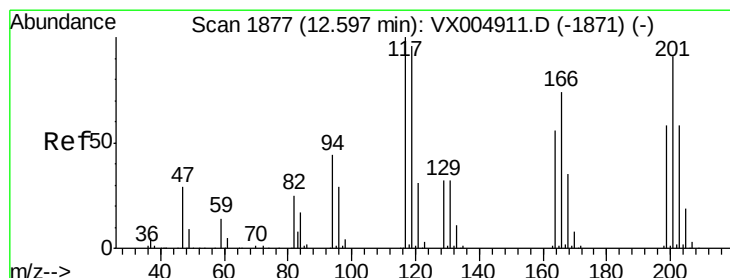
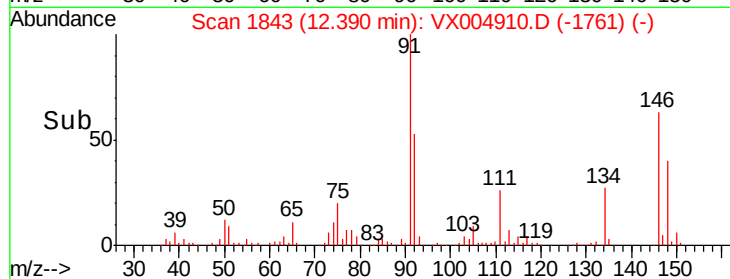
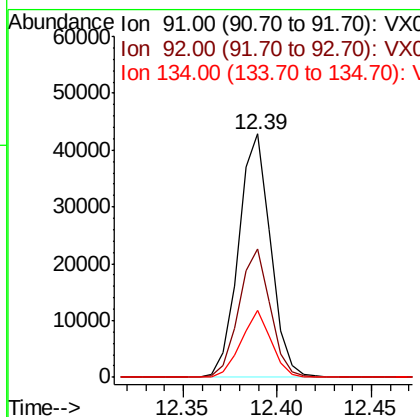
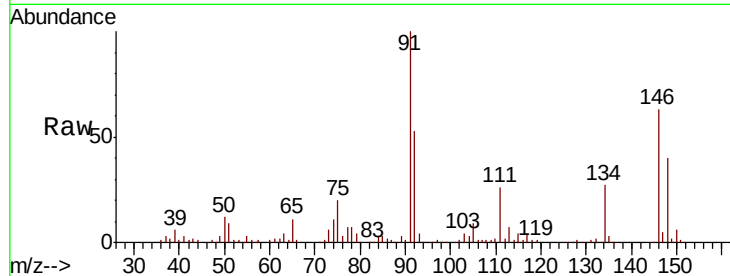
#85
n-Butylbenzene
Concen: 4.374 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	103.6
134	25.7	0.0	52.2

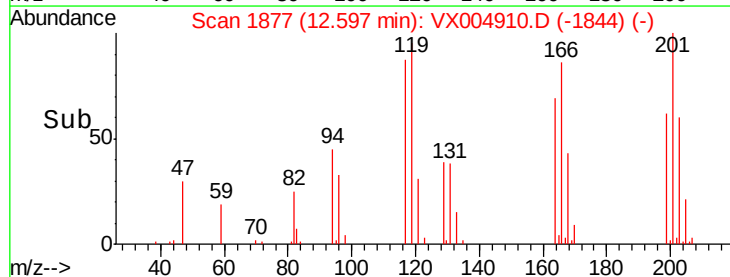
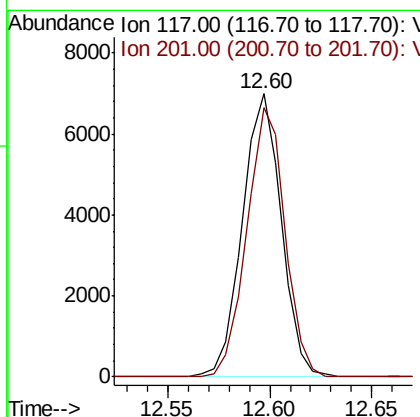
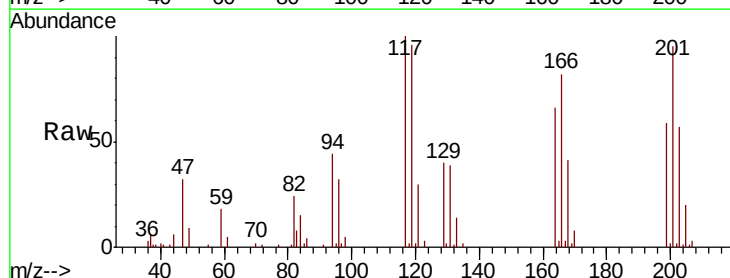
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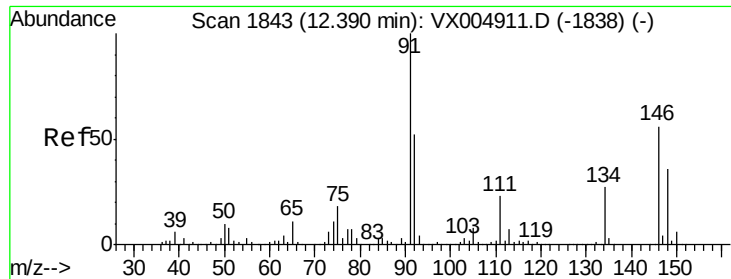
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#86
Hexachloroethane
Concen: 4.414 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.4	47.1	141.4





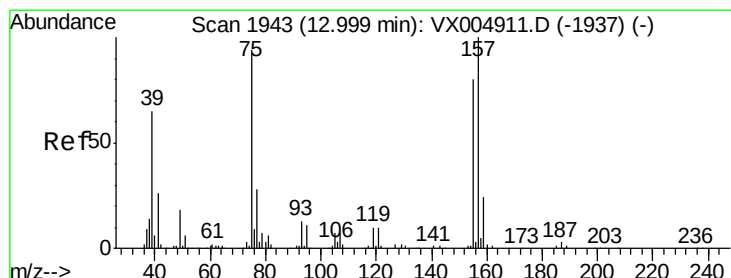
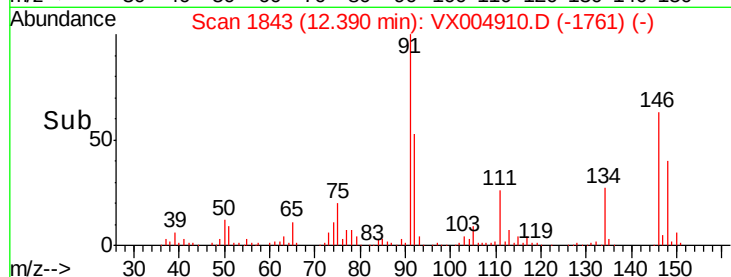
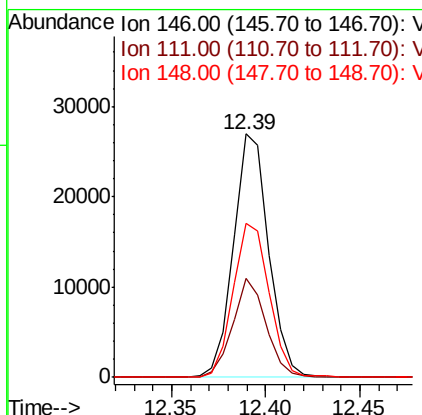
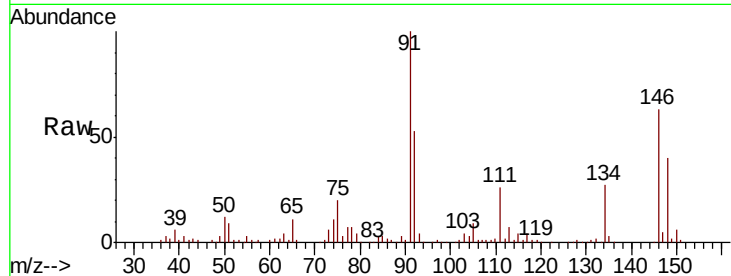
#87
 1,2-Dichlorobenzene
 Concen: 4.853 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.6	58.7
148	64.7	31.9	95.9

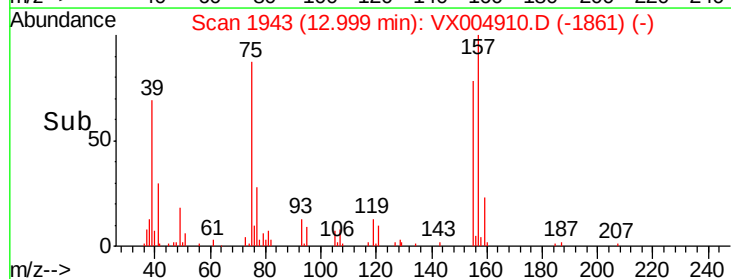
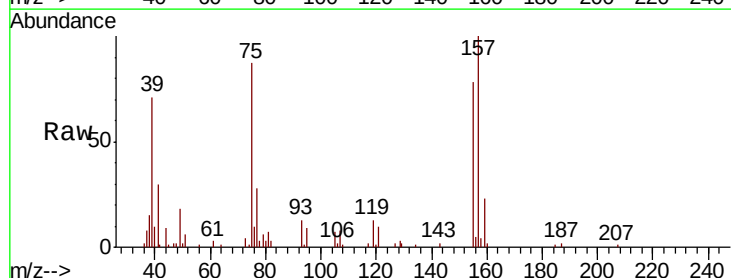
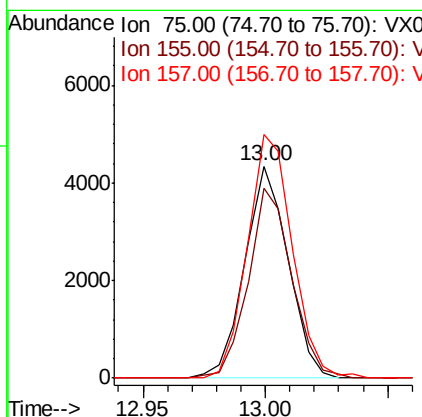
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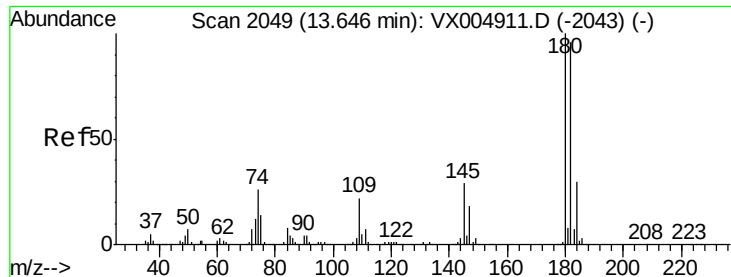
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.485 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	71.6	107.4
157	119.0	91.3	136.9





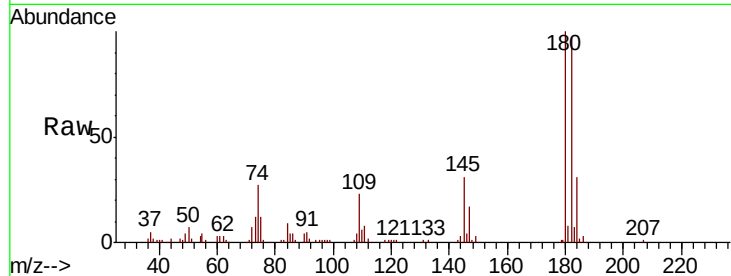
#89
 1,2,4-Trichlorobenzene
 Concen: 4.519 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

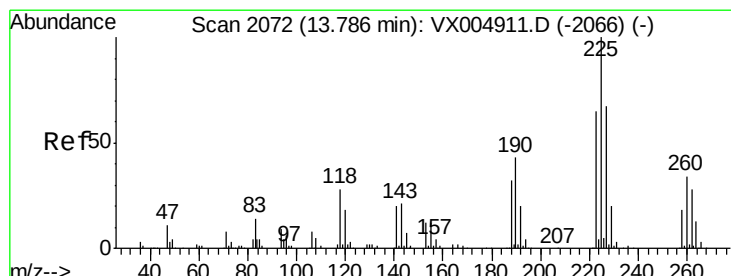
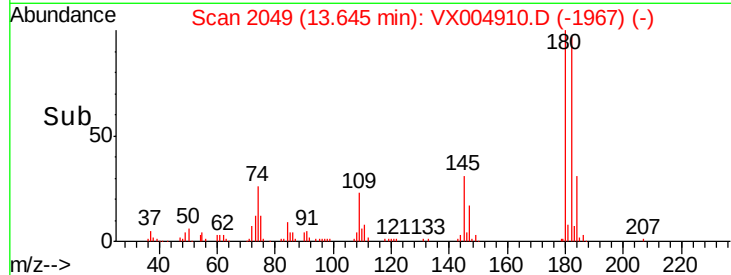
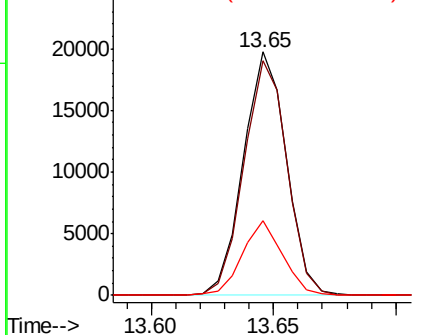
Tot Ion:	180	Resp:	24203
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.8	115.2
145	28.6	22.6	33.8

Manual Integrations
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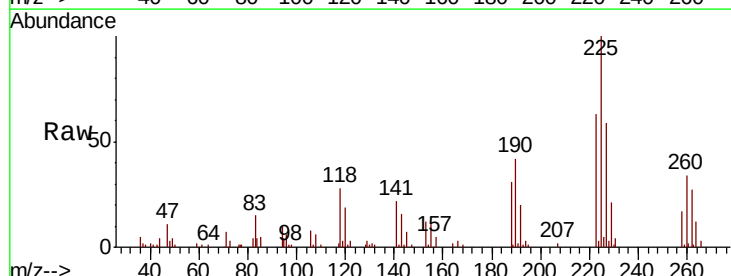


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

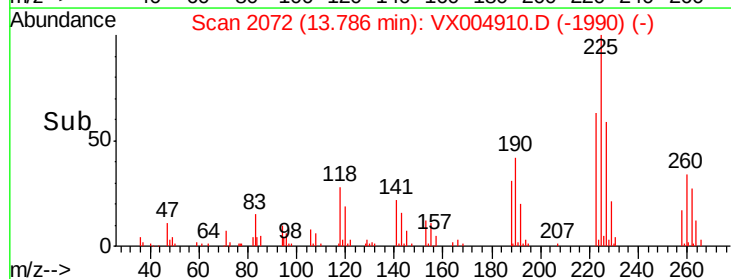
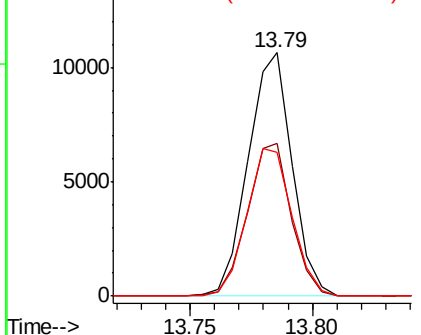


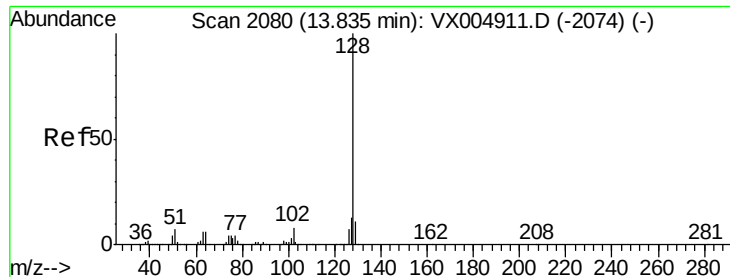
#90
 Hexachlorobutadiene
 Concen: 5.041 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004910.D
 Acq: 02 Oct 2018 10:05

Tgt Ion:	225	Resp:	13328
Ion Ratio	Lower	Upper	
225	100		
223	62.7	0.0	126.6
227	62.3	0.0	129.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





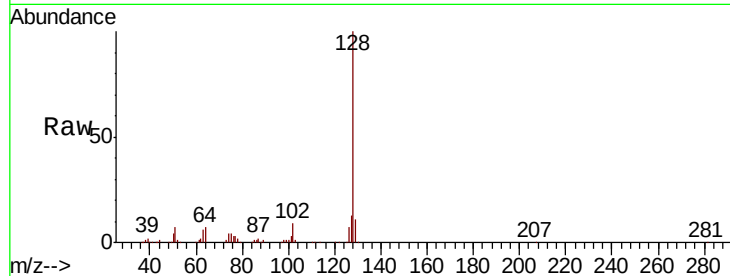
#91
Naphthalene
Concen: 4.226 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.0	8.6	13.0

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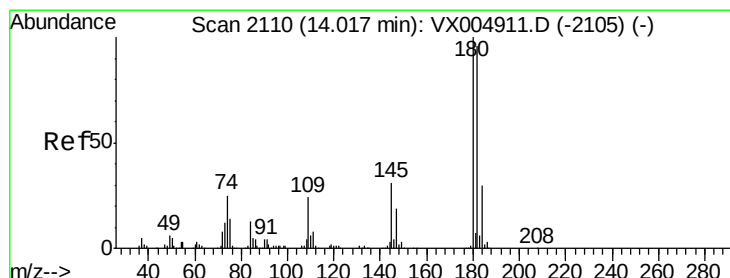
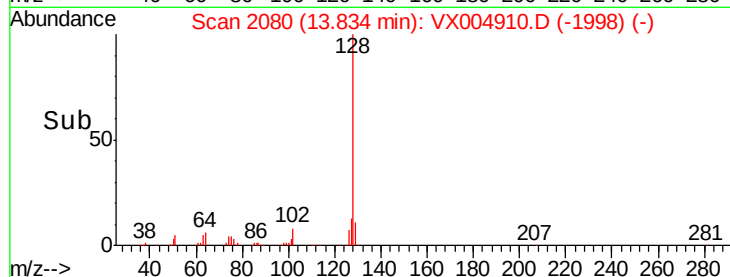
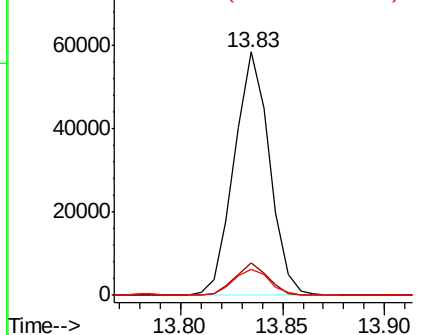


Abundance

Ion 128.00 (127.70 to 128.70): V

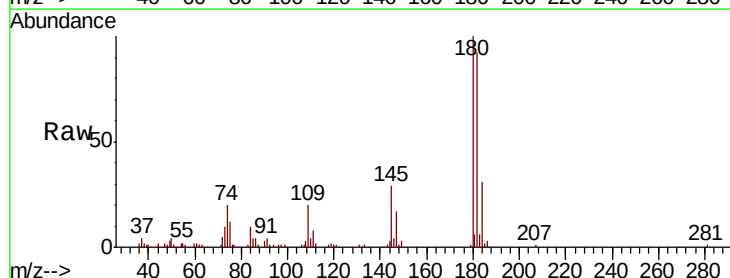
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 4.773 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX004910.D
Acq: 02 Oct 2018 10:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	0.0	192.2
145	28.4	0.0	60.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

