

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091018\
 Data File : VX004448.D
 Acq On : 10 Sep 2018 15:01
 Operator : JC/MD
 Sample : VX0910WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 3:06:43 PM

Quant Time: Sep 11 01:47:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472097	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	279050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	197445	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
35) Dibromofluoromethane	5.50	113	174759	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	8.71	98	647849	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.14	95	242390	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	57342	15.09	ug/l	96
3) Chloromethane	1.32	50	69119	16.65	ug/l	98
4) Vinyl Chloride	1.40	62	75802	17.63	ug/l	98
5) Bromomethane	1.64	94	35196	15.19	ug/l	98
6) Chloroethane	1.72	64	52282	16.51	ug/l	96
7) Trichlorofluoromethane	1.93	101	105765	17.95	ug/l	94
8) Diethyl Ether	2.19	74	48838	19.36	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69052	18.71	ug/l	99
10) Methyl Iodide	2.51	142	62982	18.10	ug/l	98
11) Tert butyl alcohol	3.07	59	91797	100.68	ug/l	100
12) 1,1-Dichloroethene	2.37	96	63202	18.18	ug/l	95
13) Acrolein	2.29	56	23951	108.96	ug/l	94
14) Allyl chloride	2.73	41	126564	19.81	ug/l	96
15) Acrylonitrile	3.15	53	226425	100.27	ug/l	99
16) Acetone	2.45	43	186790	102.20	ug/l	98
17) Carbon Disulfide	2.57	76	150545	16.14	ug/l	100
18) Methyl Acetate	2.78	43	172972	27.25	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	226476	19.77	ug/l	99
20) Methylene Chloride	2.85	84	76865	18.67	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	68092	17.69	ug/l	99
22) Diisopropyl ether	3.87	45	231907	19.44	ug/l	95
23) Vinyl Acetate	3.82	43	850195	87.95	ug/l	99
24) 1,1-Dichloroethane	3.69	63	131768	18.96	ug/l	99
25) 2-Butanone	4.70	43	278702	95.48	ug/l	99
26) 2,2-Dichloropropane	4.58	77	101386	18.60	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	79547	18.23	ug/l	99
28) Bromochloromethane	5.01	49	61653	20.04	ug/l	98
29) Tetrahydrofuran	5.15	42	174567	94.99	ug/l	99
30) Chloroform	5.21	83	132137	18.96	ug/l	100
31) Cyclohexane	5.57	56	104118	17.36	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	108352	18.65	ug/l	99
36) 1,1-Dichloropropene	5.80	75	93022	17.53	ug/l	99
37) Ethyl Acetate	4.85	43	95985	18.39	ug/l	99
38) Carbon Tetrachloride	5.78	117	92037	18.43	ug/l	97

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Manual Integrations
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Quant Time: Sep 11 01:47:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	106712	17.61	ug/l	99
40) Benzene	6.14	78	297019	18.73	ug/l	99
41) Methacrylonitrile	5.06	41	59421	19.64	ug/l	98
42) 1,2-Dichloroethane	6.20	62	100427	18.56	ug/l	99
43) Isopropyl Acetate	6.46	43	150340	18.74	ug/l	100
44) Trichloroethene	7.21	130	82155	18.71	ug/l	98
45) 1,2-Dichloropropane	7.52	63	79801	20.11	ug/l	99
46) Dibromomethane	7.66	93	49618	18.77	ug/l	99
47) Bromodichloromethane	7.90	83	95420	19.40	ug/l	100
48) Methyl methacrylate	7.77	41	82512	19.23	ug/l	98
49) 1,4-Dioxane	7.76	88	39240	402.70	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	546638	93.80	ug/l	99
52) Toluene	8.79	92	191324	19.27	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	104429	19.23	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	115140	19.46	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	80289	20.04	ug/l	99
56) Ethyl methacrylate	9.18	69	104804	19.21	ug/l	97
57) 1,3-Dichloropropane	9.37	76	132382	19.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	296231	105.98	ug/l	99
59) 2-Hexanone	9.50	43	407872	91.74	ug/l	100
60) Dibromochloromethane	9.59	129	75237	19.27	ug/l	99
61) 1,2-Dibromoethane	9.67	107	79689	19.22	ug/l	100
64) Tetrachloroethene	9.34	164	93526	22.76	ug/l	99
65) Chlorobenzene	10.14	112	197152	18.89	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.23	131	68697	19.08	ug/l	100
67) Ethyl Benzene	10.26	91	318299	18.78	ug/l	95
68) m/p-Xylenes	10.36	106	250266	37.75	ug/l	99
69) o-Xylene	10.70	106	118571	18.91	ug/l	99
70) Styrene	10.71	104	202360	19.93	ug/l	99
71) Bromoform	10.86	173	55705	19.19	ug/l #	99
73) Isopropylbenzene	11.02	105	349006	19.04	ug/l	99
74) N-amyl acetate	10.90	43	130300	18.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	117722	18.35	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	110070m	19.39	ug/l	
77) Bromobenzene	11.26	156	96843	18.84	ug/l	98
78) n-propylbenzene	11.36	91	412685	19.58	ug/l	100
79) 2-Chlorotoluene	11.42	91	247445	19.07	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	298142	19.64	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	32191	18.40	ug/l	99
82) 4-Chlorotoluene	11.51	91	288450	18.89	ug/l	99
83) tert-Butylbenzene	11.77	119	286713	18.78	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	309682	19.88	ug/l	100
85) sec-Butylbenzene	11.94	105	365746	20.17	ug/l	100
86) p-Isopropyltoluene	12.07	119	327860	20.18	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178598	18.45	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183752	18.00	ug/l	99
89) n-Butylbenzene	12.39	91	271196	20.53	ug/l	99
90) Hexachloroethane	12.60	117	44434	19.57	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	181867	20.56	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20924	18.52	ug/l	98

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

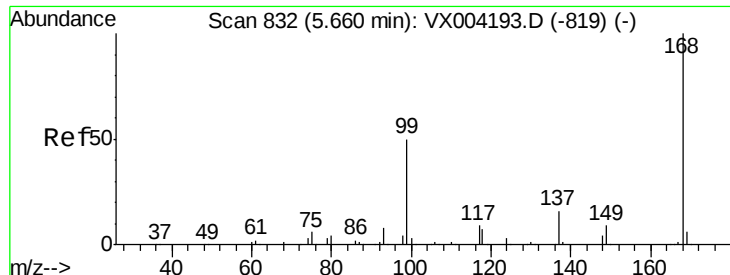
Manual Integrations
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9/11/2018 3:06:43 PM

Quant Time: Sep 11 01:47:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128065	19.90	ug/l	98
94) Hexachlorobutadiene	13.79	225	65367	21.75	ug/l	97
95) Naphthalene	13.83	128	365172	20.06	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	133935	19.66	ug/l	98

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



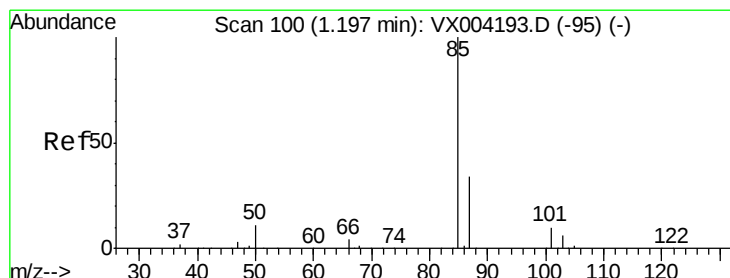
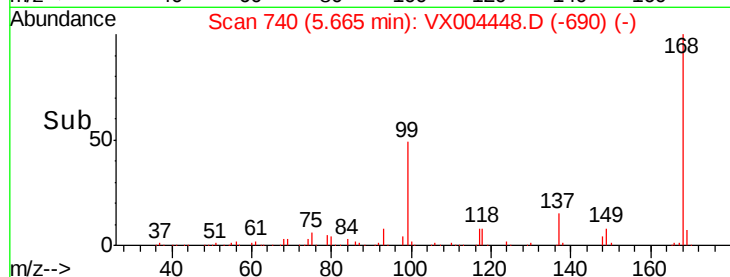
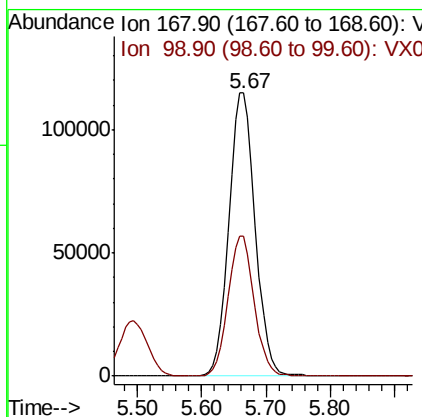
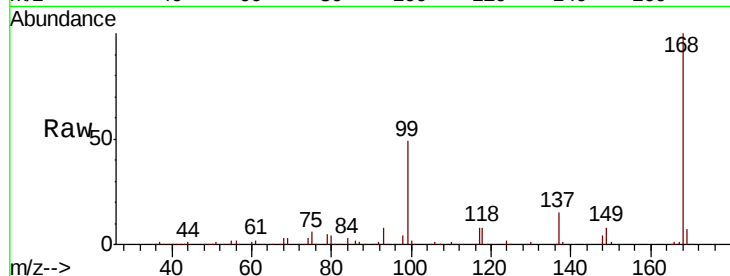
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampled :
VX0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	328180		
99	49.2	39.9	59.9	

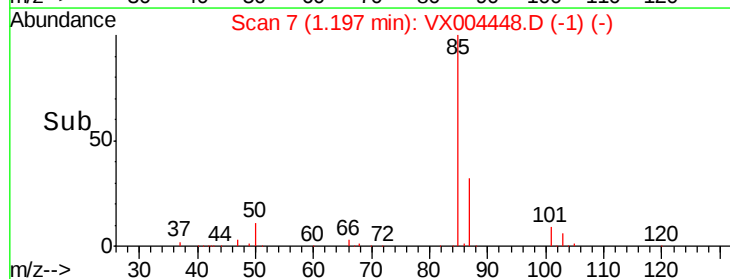
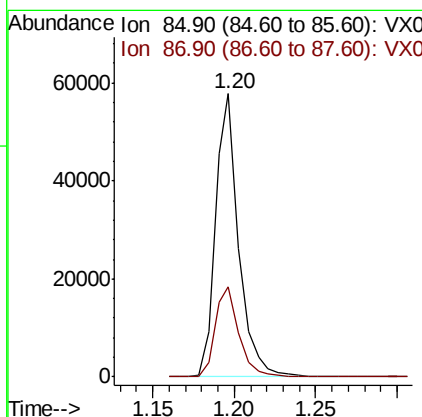
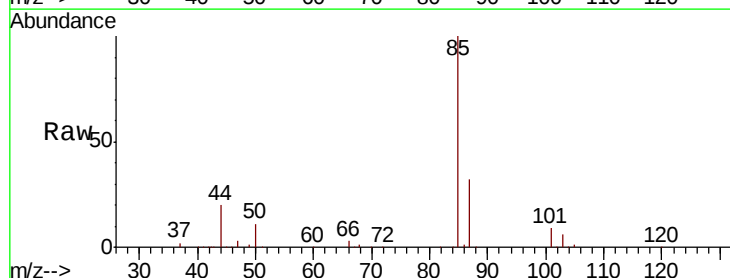
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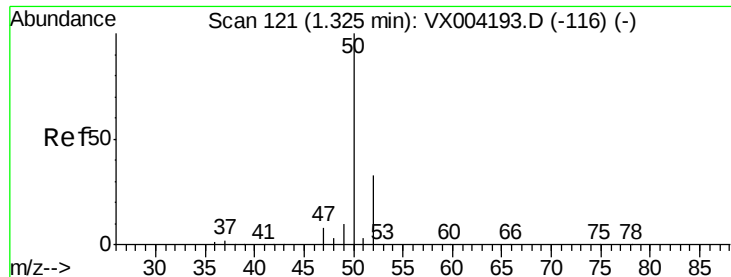
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#2
Dichlorodifluoromethane
Concen: 15.09 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	57342		
87	31.8	17.0	50.9	





#3

Chloromethane

Concen: 16.65 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 50 Resp: 69119

Ion Ratio Lower Upper

50 100

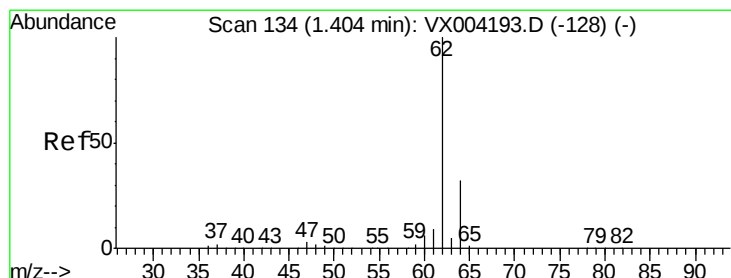
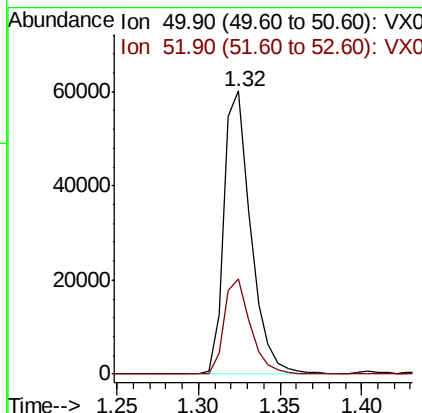
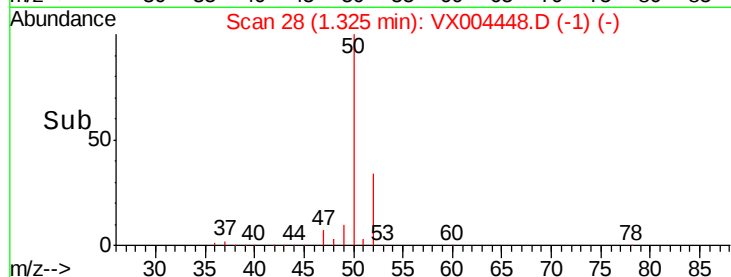
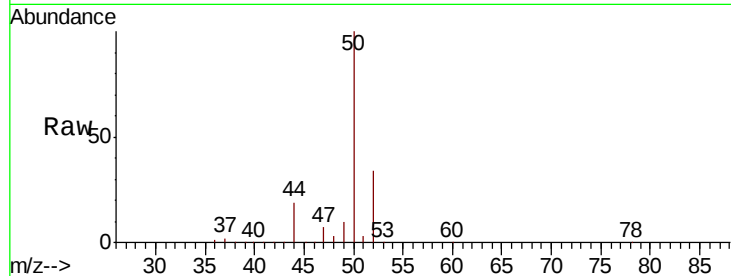
52 33.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.63 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004448.D

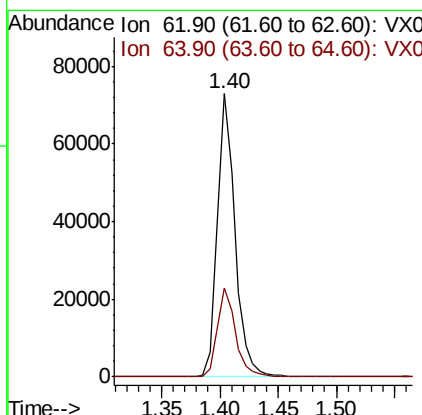
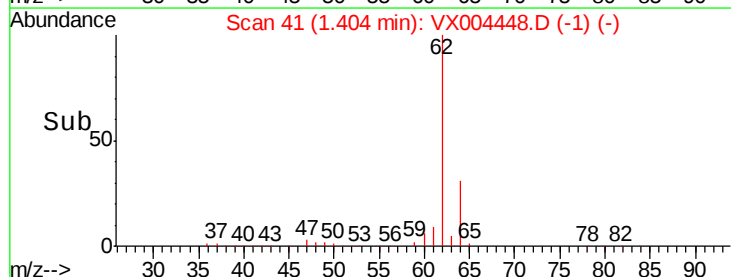
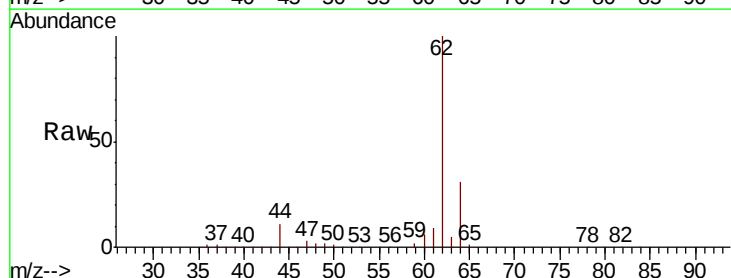
Acq: 10 Sep 2018 15:01

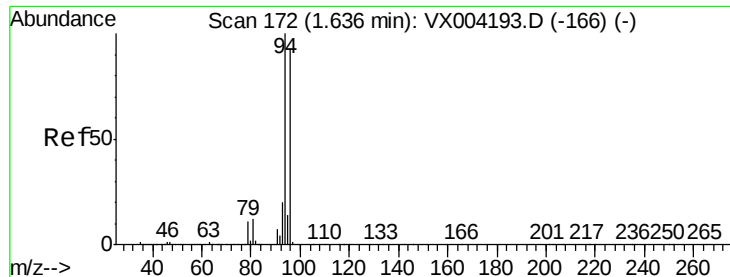
Tgt Ion: 62 Resp: 75802

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 15.19 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 94 Resp: 35196

Ion Ratio Lower Upper

94 100

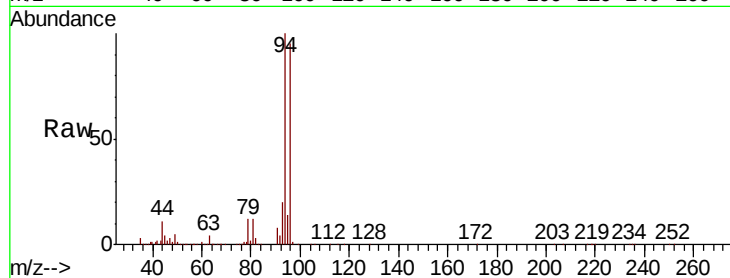
96 95.0 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

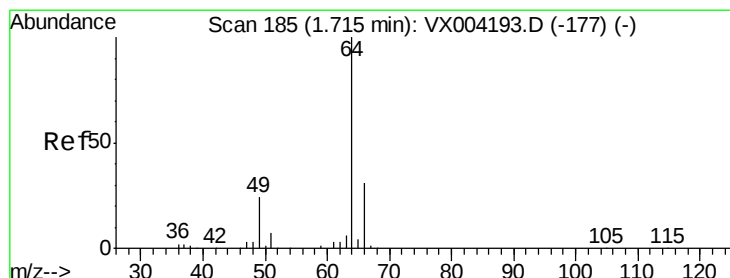
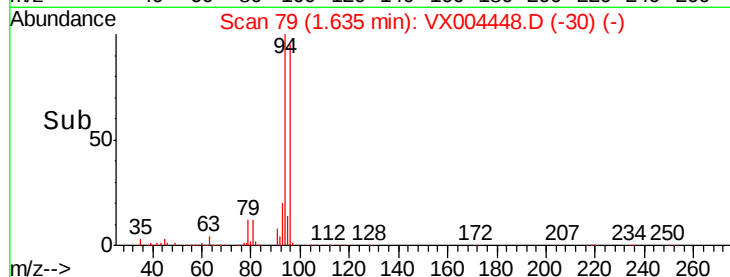
20000

10000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 16.51 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004448.D

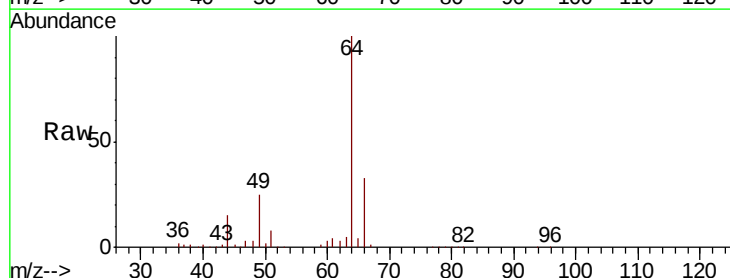
Acq: 10 Sep 2018 15:01

Tgt Ion: 64 Resp: 52282

Ion Ratio Lower Upper

64 100

66 33.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

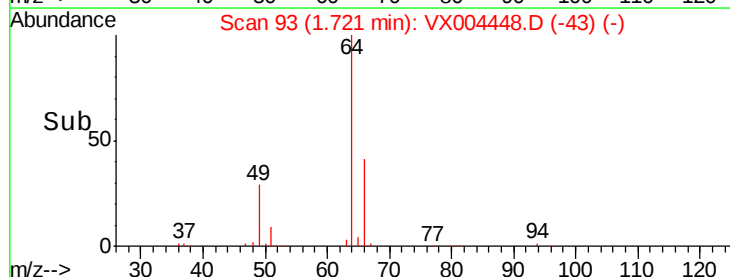
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10000

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1.65 1.70 1.75 1.80

Time-->





#7

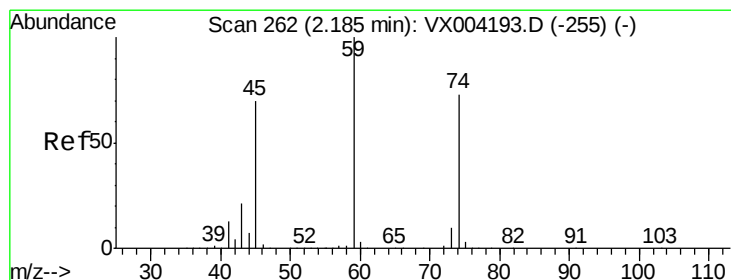
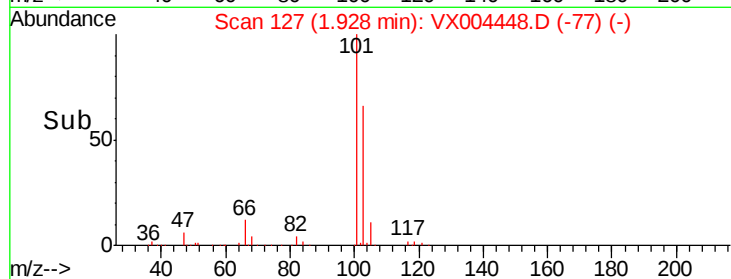
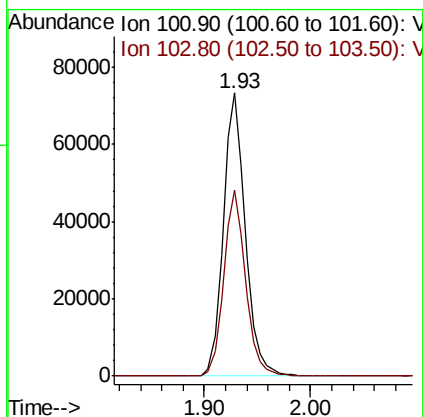
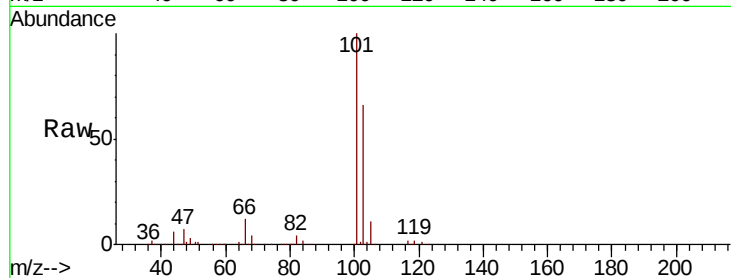
Trichlorofluoromethane
Concen: 17.95 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	48.9	73.3

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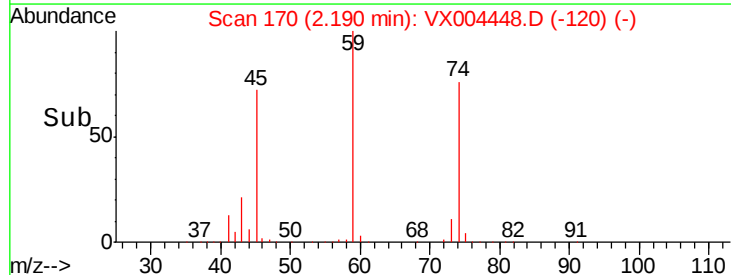
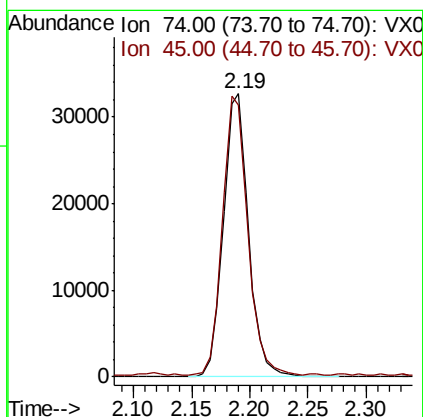
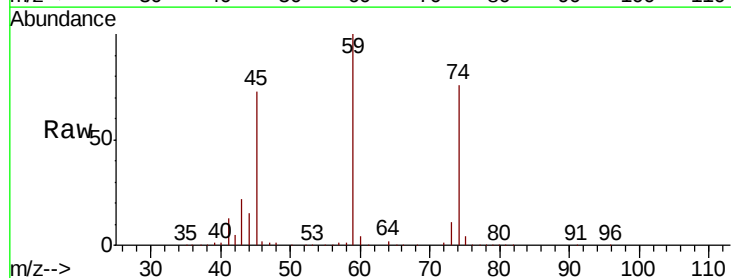
MMDadoda
9/11/2018 3:06:43 PM

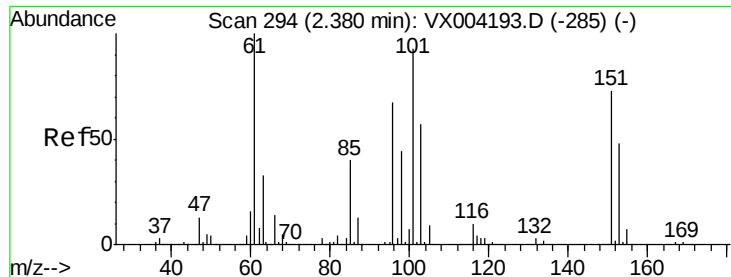


#8

Diethyl Ether
Concen: 19.36 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.71 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

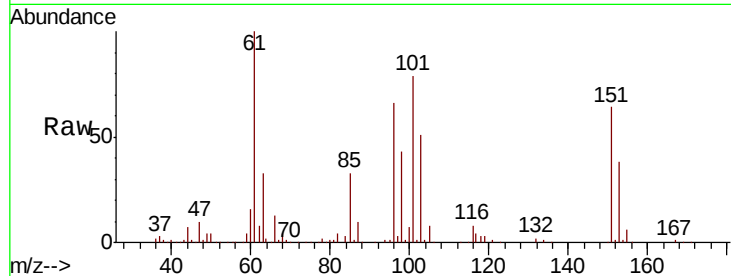
ClientSampleId :

VX0910WBSD01

Tot Ion:	101	Resp:	69052
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.4
151	81.7	65.0	97.6

Manual Integrations
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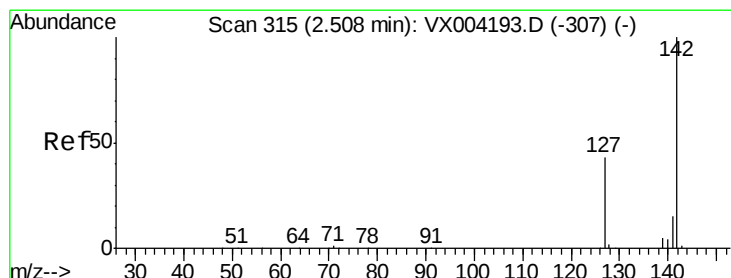
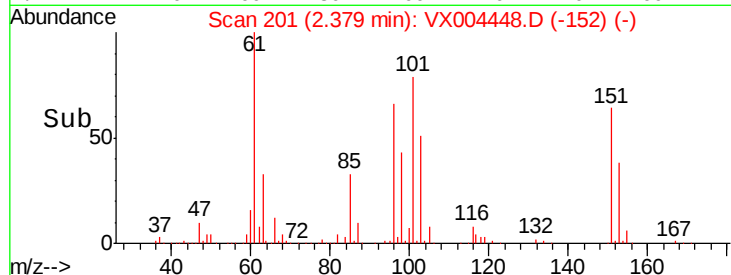
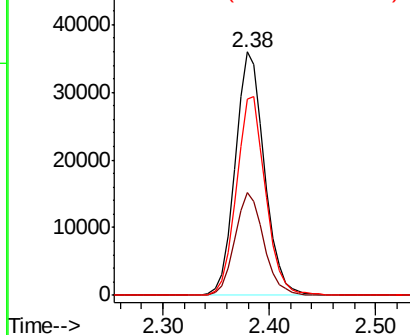


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.10 ug/l

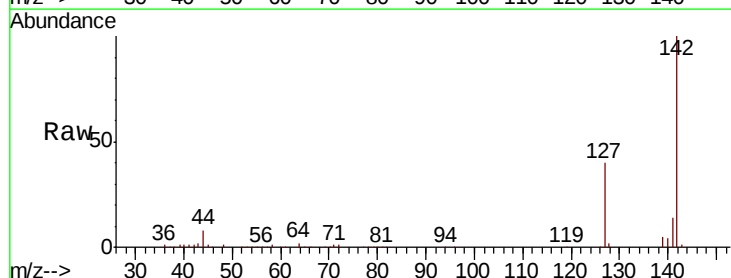
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Tgt Ion:	142	Resp:	62982
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.8	50.6
141	14.2	11.4	17.0

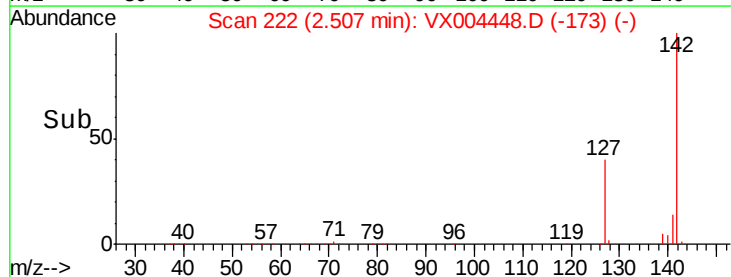
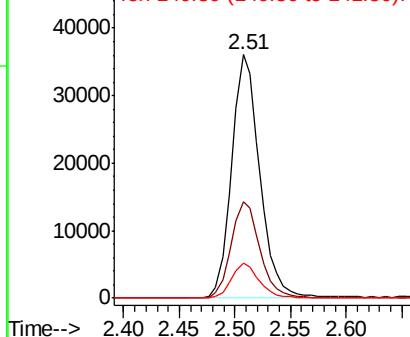


Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





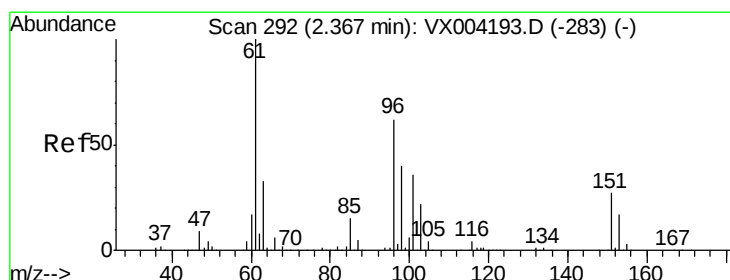
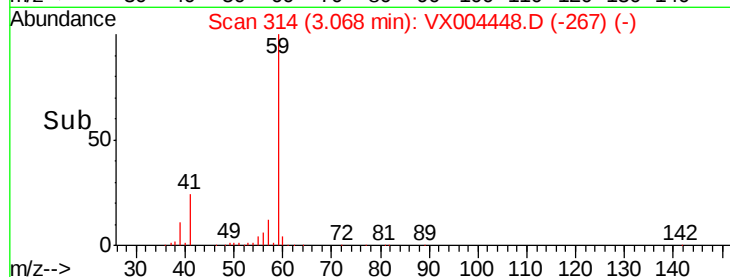
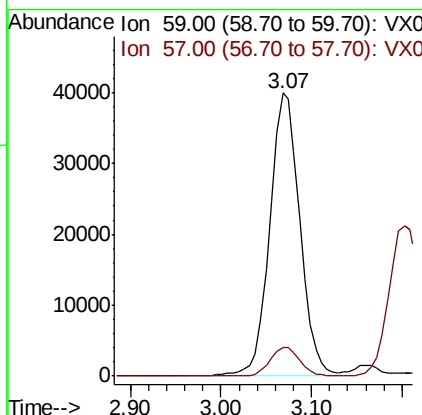
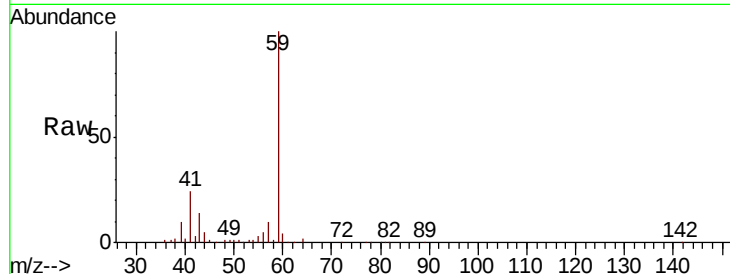
#11
Tert butyl alcohol
Concen: 100.68 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampled :
VX0910WBSD01

Tot Ion: 59 Resp: 91797
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

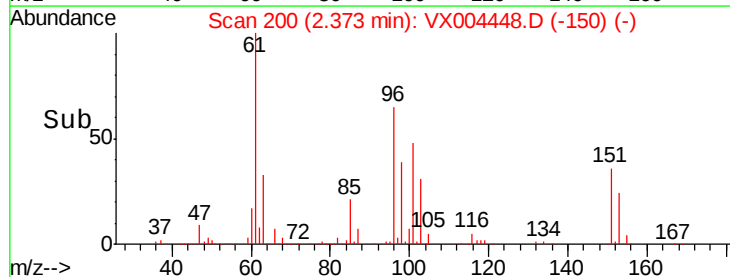
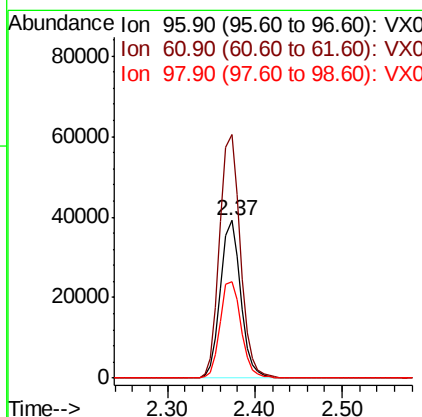
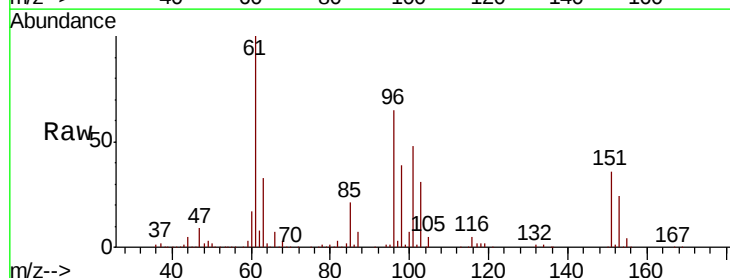
Manual Integrations
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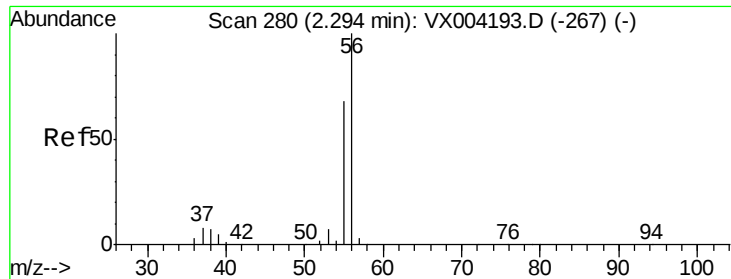
MMDadoda
9/11/2018 3:06:43 PM



#12
1,1-Dichloroethene
Concen: 18.18 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion: 96 Resp: 63202
Ion Ratio Lower Upper
96 100
61 154.4 128.8 193.2
98 60.9 52.2 78.2





#13

Acrolein

Concen: 108.96 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 56 Resp: 23951

Ion Ratio Lower Upper

56 100

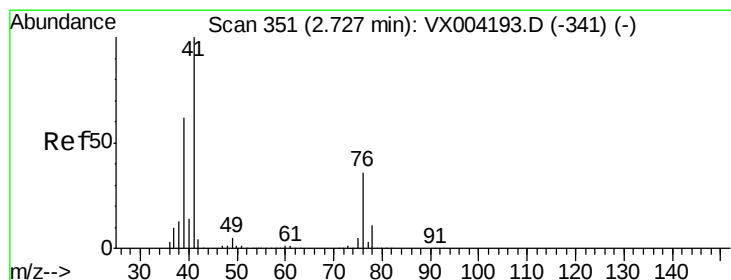
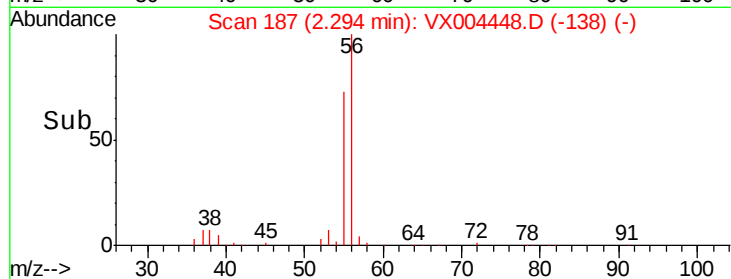
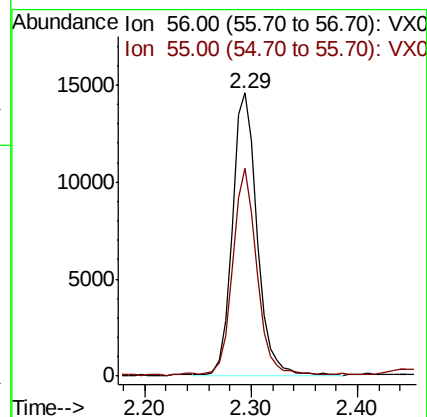
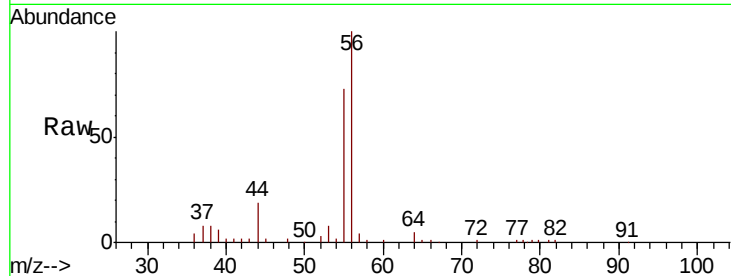
55 73.2 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.81 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

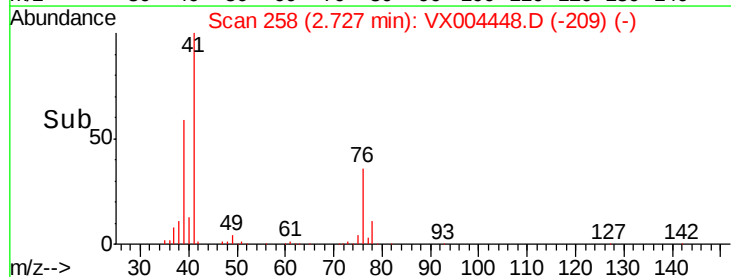
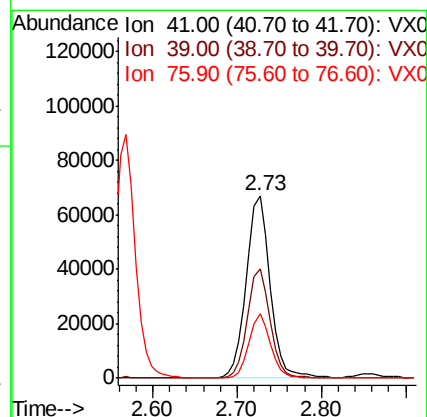
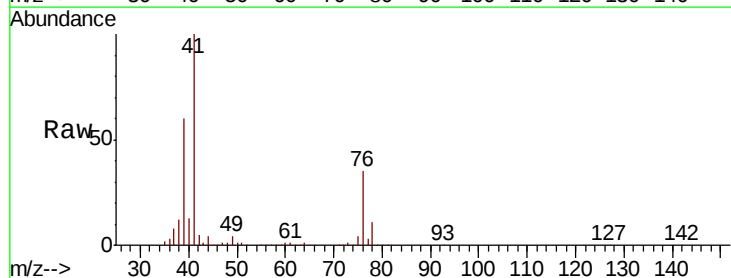
Tgt Ion: 41 Resp: 126564

Ion Ratio Lower Upper

41 100

39 56.9 48.9 73.3

76 32.0 26.7 40.1





#15

Acrylonitrile

Concen: 100.27 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

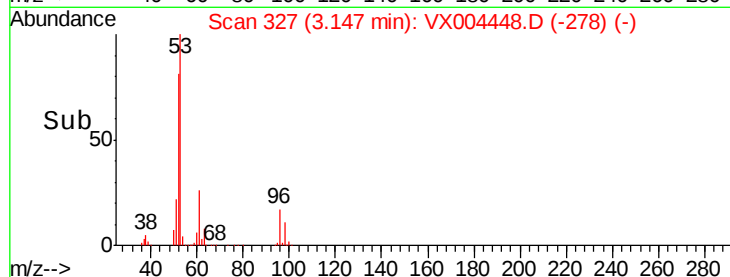
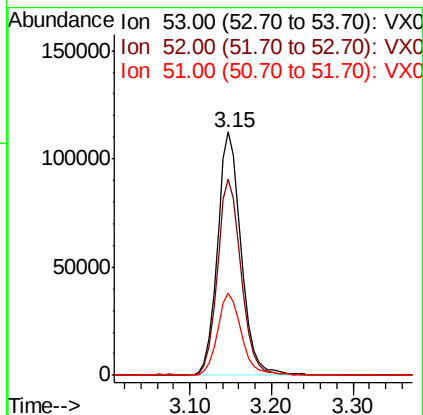
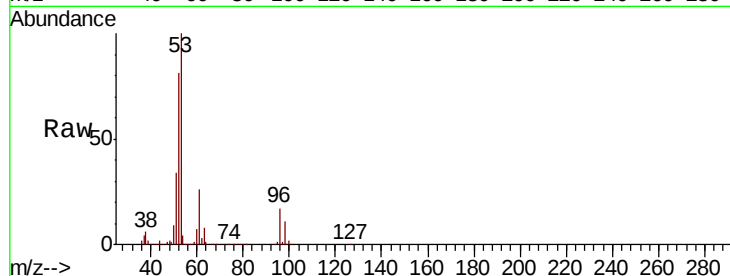
ClientSampleId :

VX0910WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	81.1	65.2	97.8	
51	33.8	28.2	42.2	

Manual Integrations
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#16

Acetone

Concen: 102.20 ug/l

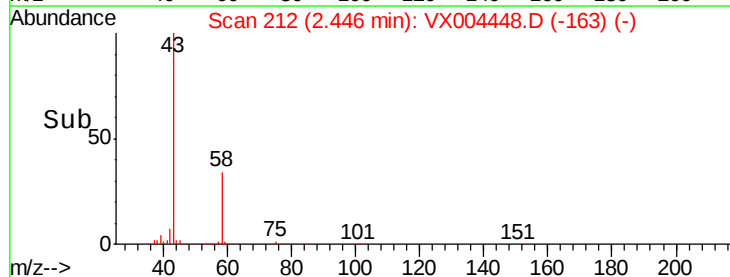
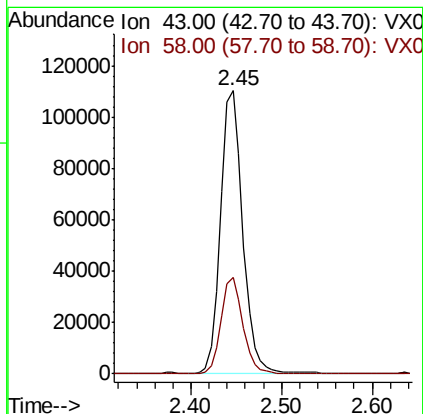
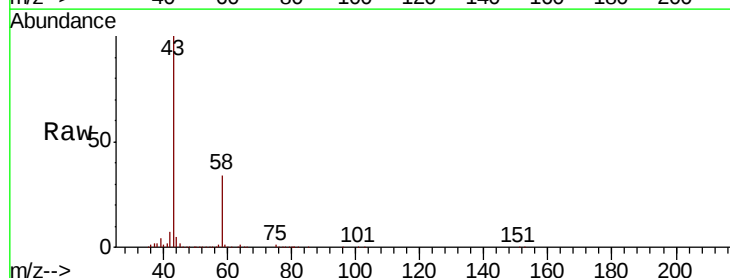
RT: 2.45 min Scan# 212

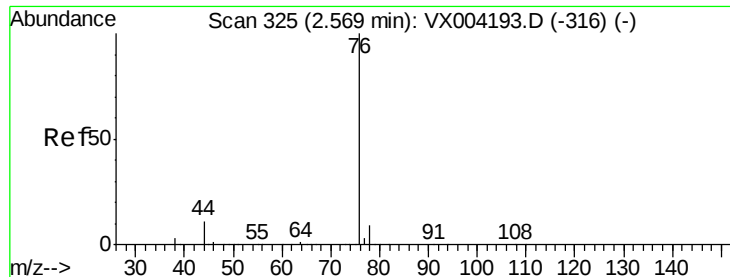
Delta R.T. 0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	33.9	26.2	39.4	





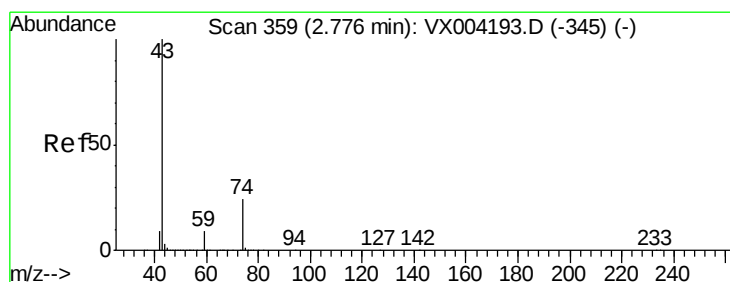
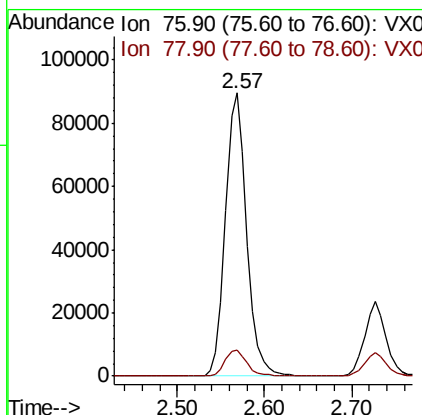
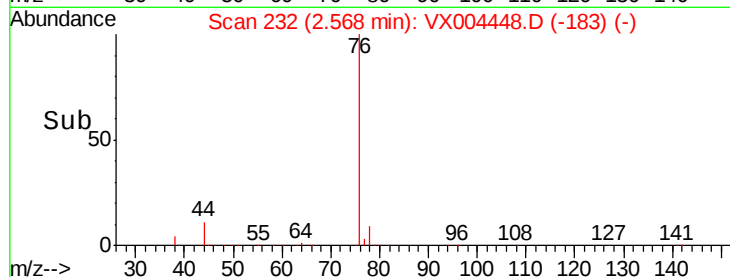
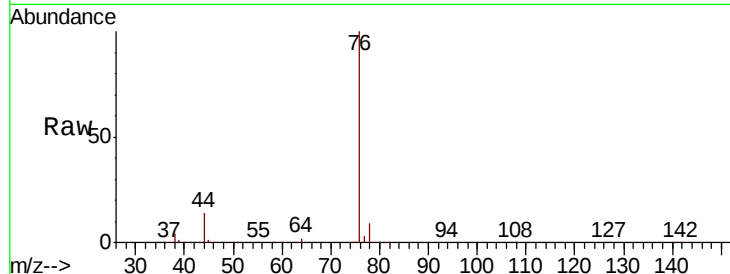
#17
Carbon Disulfide
Concen: 16.14 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

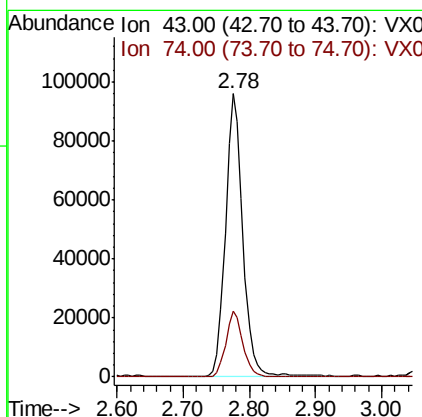
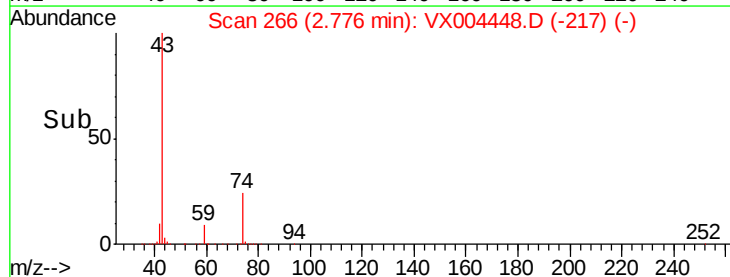
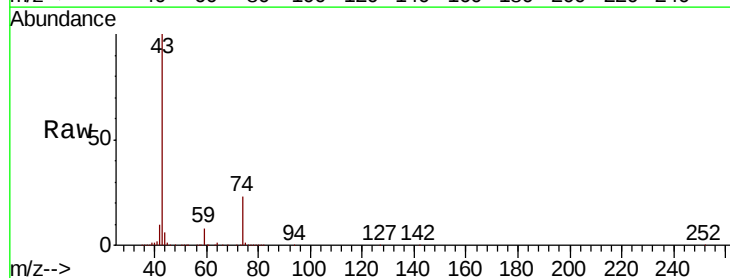
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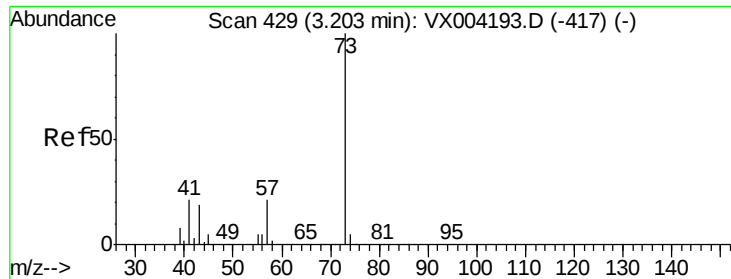
MMDadoda
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#18
Methyl Acetate
Concen: 27.25 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.2





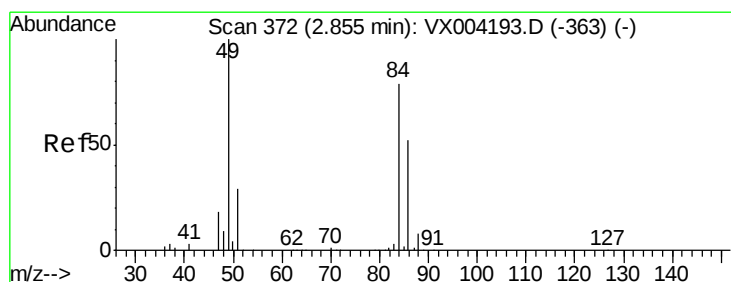
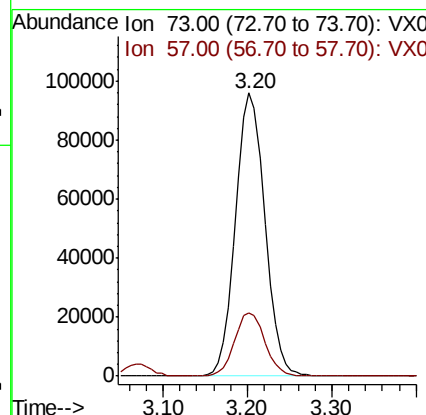
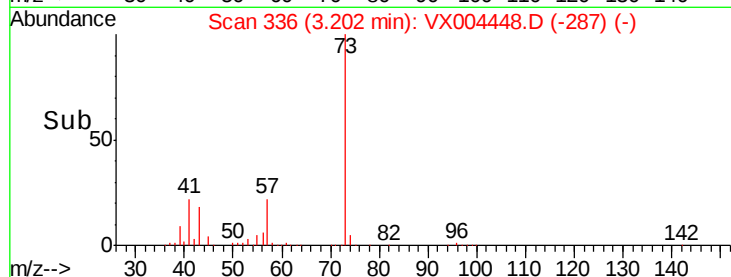
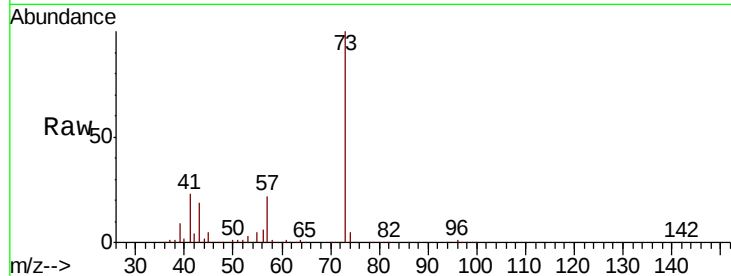
#19
Methvl tert-butvl Ether
Concen: 19.77 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion: 73 Resp: 226476
Ion Ratio Lower Upper
73 100
57 22.1 17.1 25.7

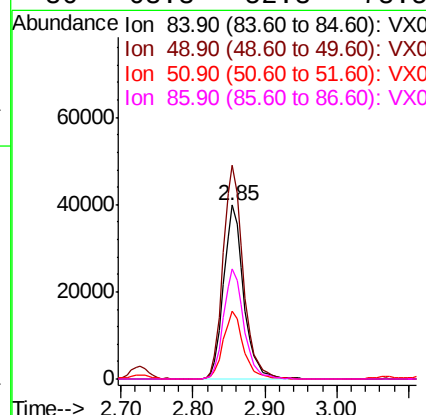
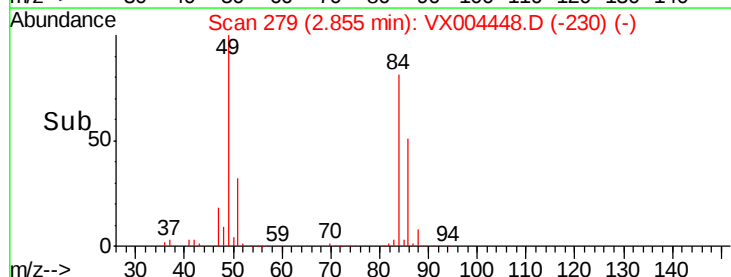
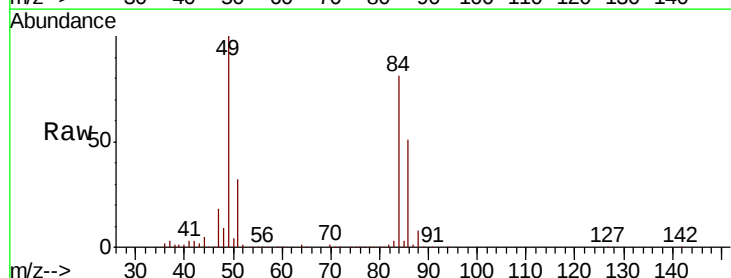
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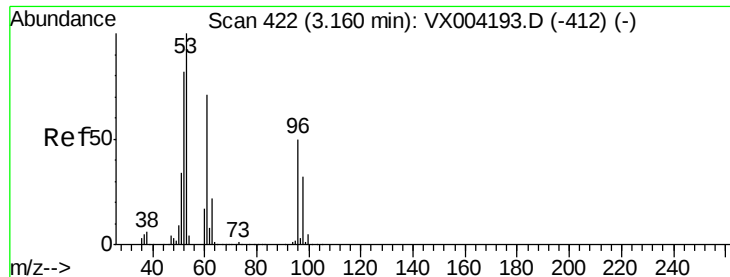
MMDadoda
9/11/2018 3:06:43 PM



#20
Methylene Chloride
Concen: 18.67 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion: 84 Resp: 76865
Ion Ratio Lower Upper
84 100
49 123.1 101.2 151.8
51 39.0 29.5 44.3
86 63.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 17.69 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 96 Resp: 68092

Ion Ratio Lower Upper

96 100

61 142.7 113.8 170.6

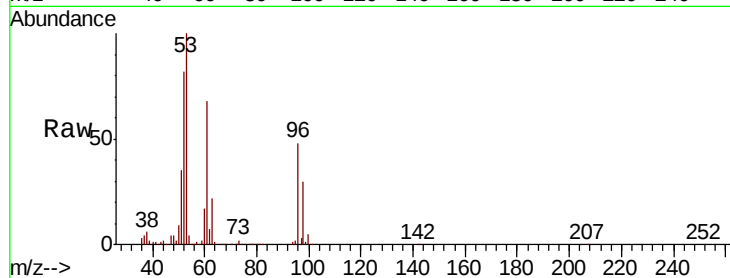
98 62.4 51.8 77.8

Manual Integrations

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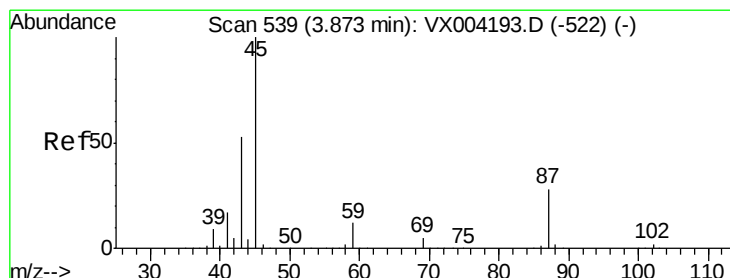
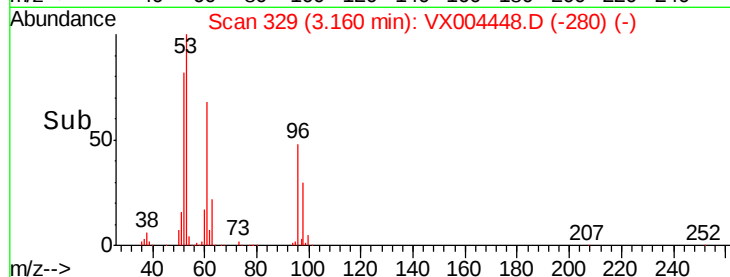
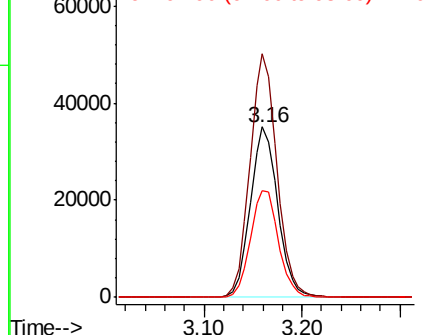


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.44 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Tgt Ion: 45 Resp: 231907

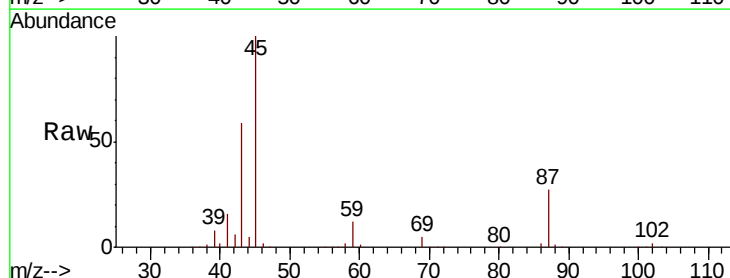
Ion Ratio Lower Upper

45 100

43 59.2 42.8 64.2

87 27.1 22.6 34.0

59 11.9 9.6 14.4



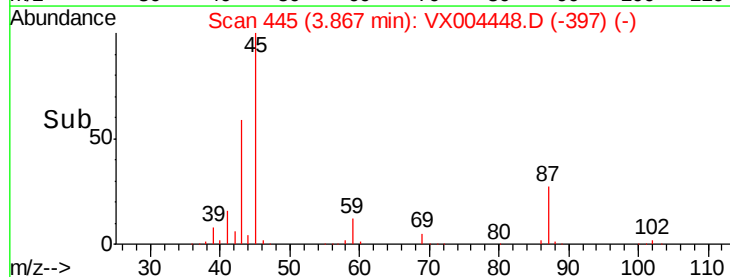
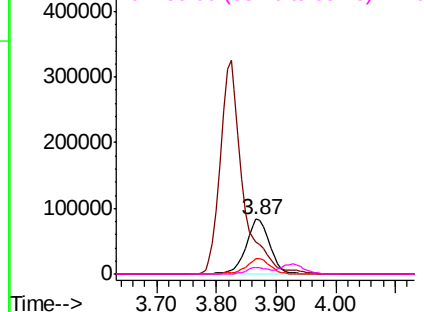
Abundance

Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 87.95 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampled :

VX0910WBSD01

Tot Ion: 43 Resp: 850195

Ion Ratio Lower Upper

43 100

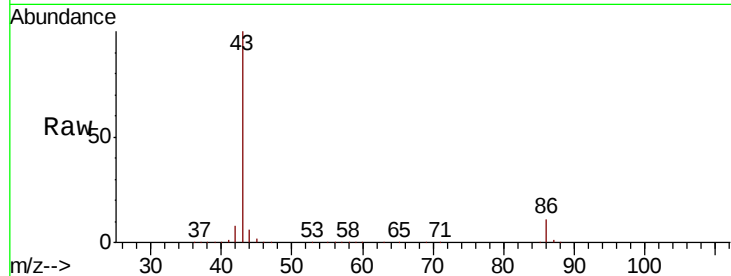
86 11.5 8.9 13.3

Manual Integrations

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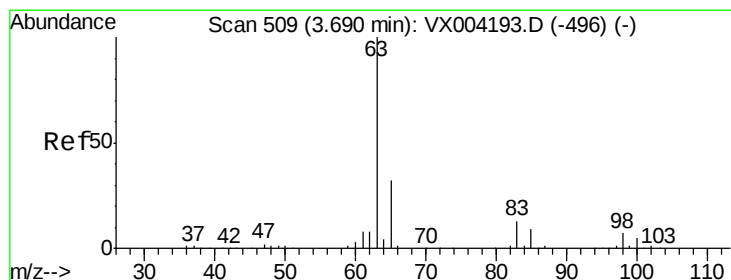
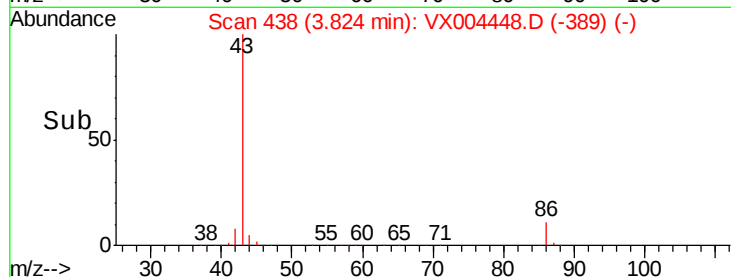
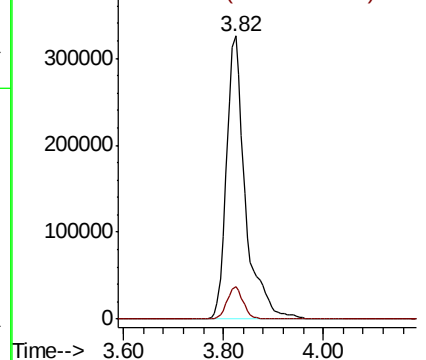
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.96 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

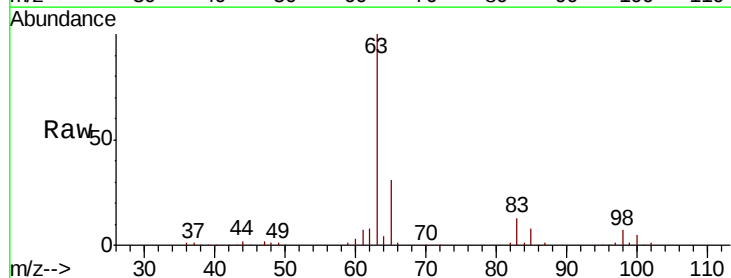
Tgt Ion: 63 Resp: 131768

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

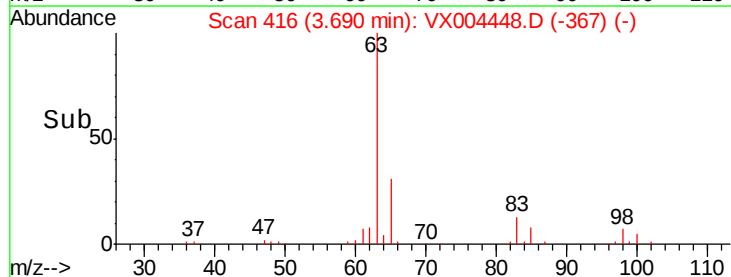
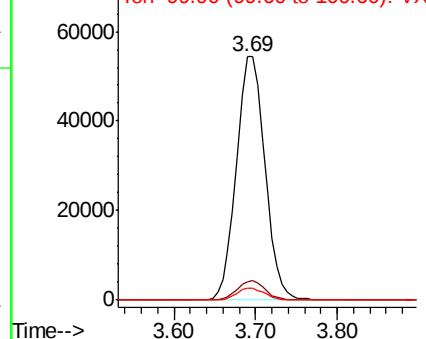
100 4.6 2.4 7.1

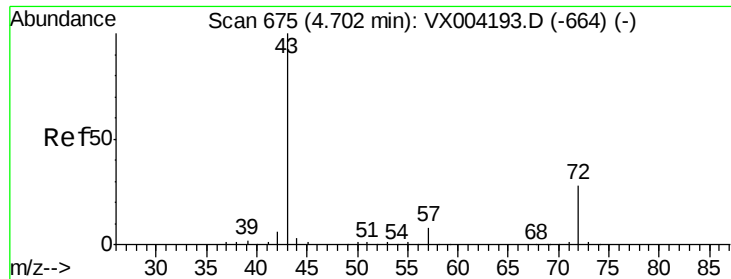


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 95.48 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 43 Resp: 278702

Ion Ratio Lower Upper

43 100

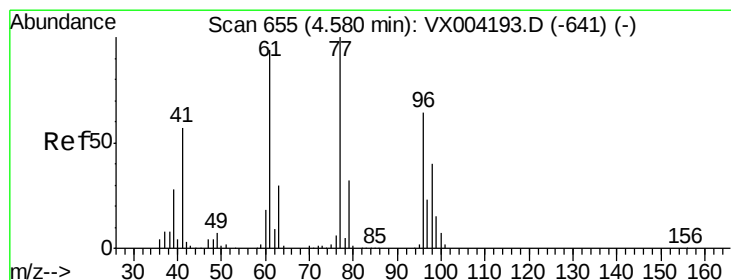
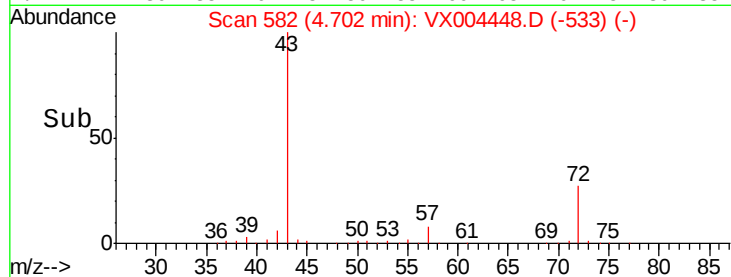
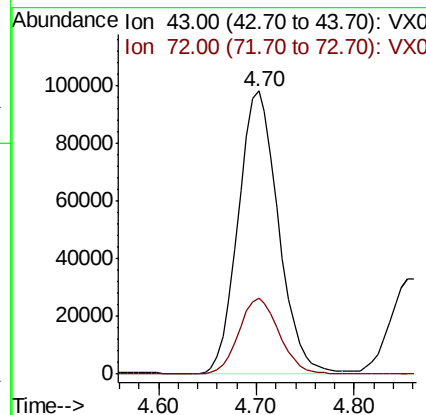
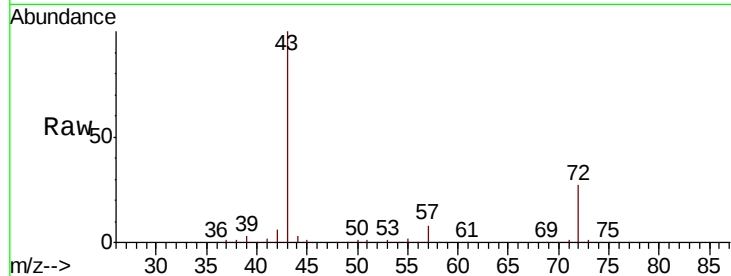
72 26.8 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.60 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004448.D

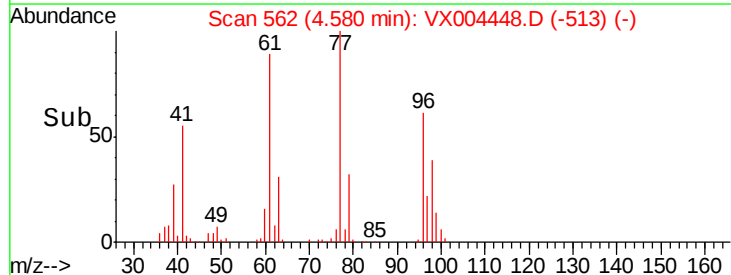
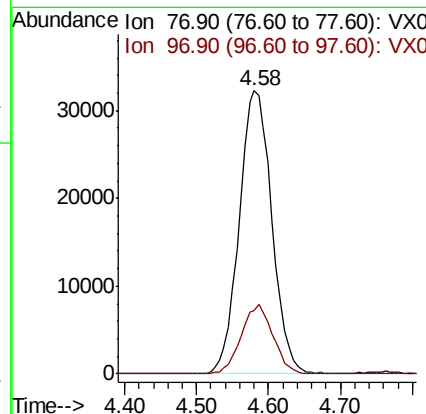
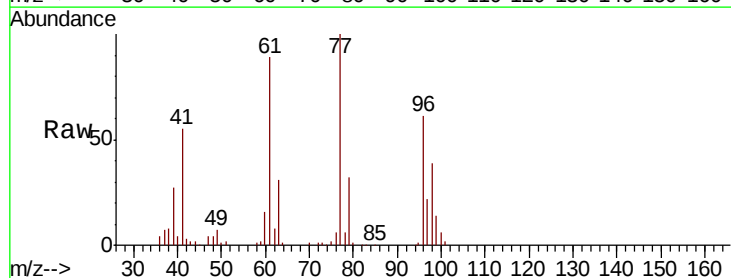
Acq: 10 Sep 2018 15:01

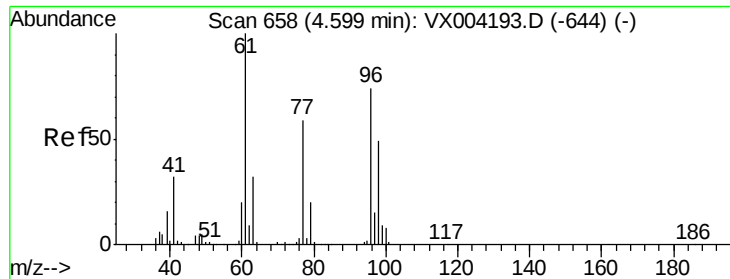
Tgt Ion: 77 Resp: 101386

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.0





#27

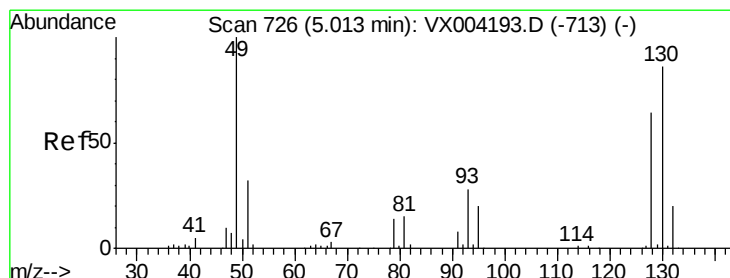
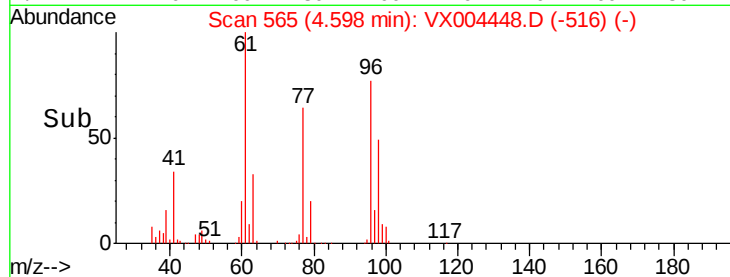
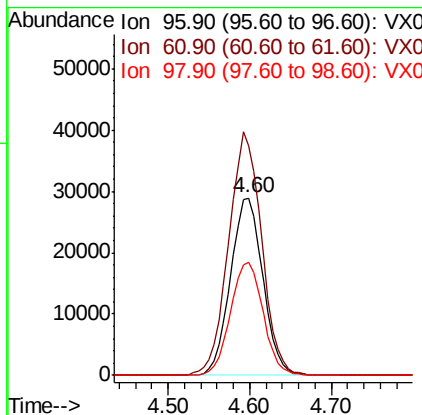
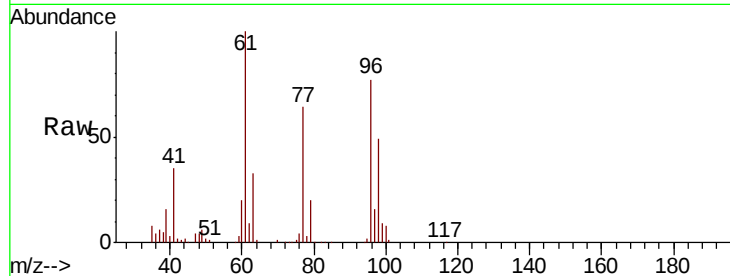
cis-1,2-Dichloroethene
 Concen: 18.23 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	282.6
98	64.2	0.0	130.2

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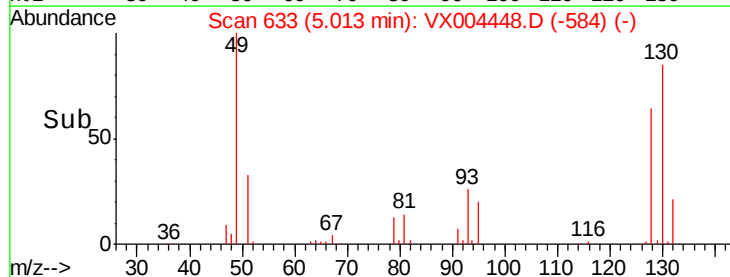
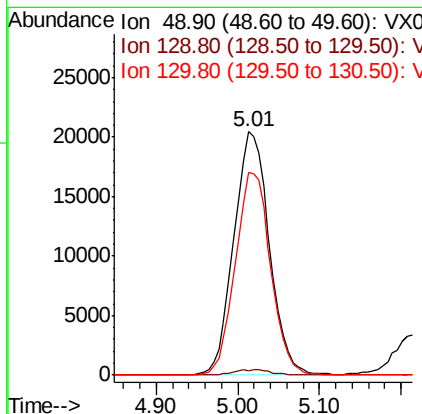
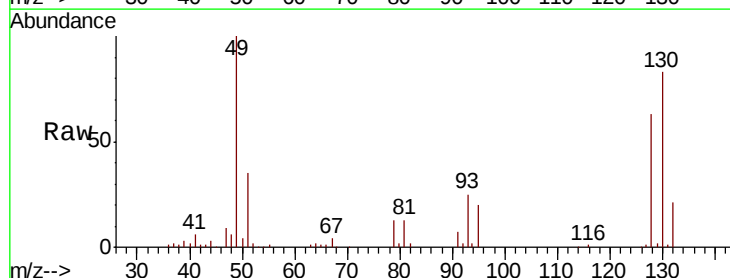
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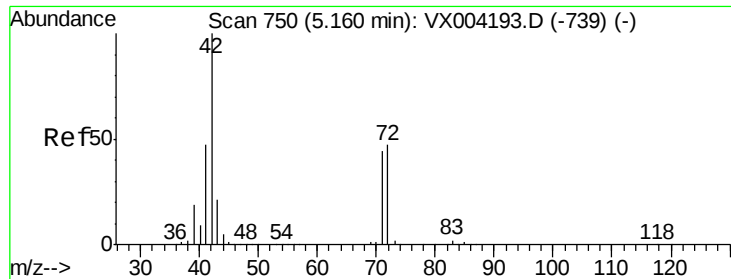


#28

Bromochloromethane
 Concen: 20.04 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	82.7	67.5	101.3





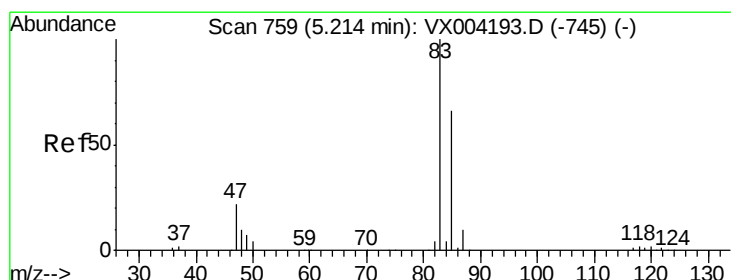
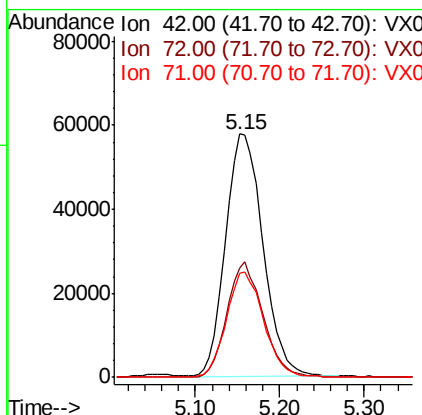
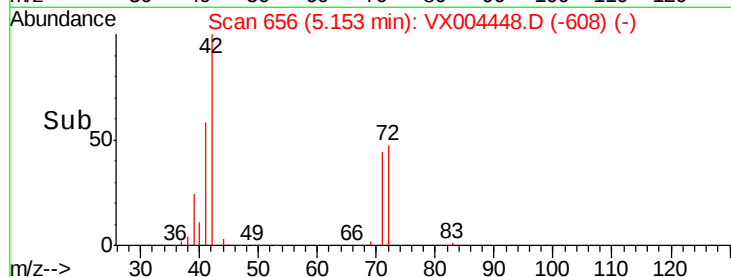
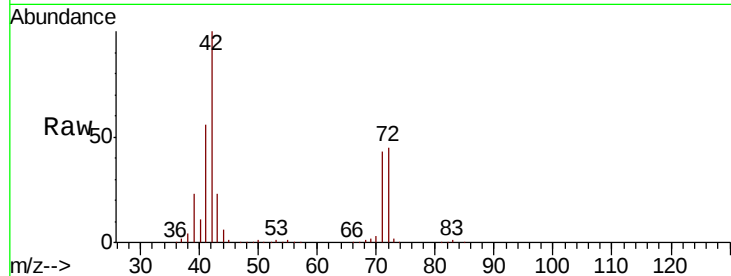
#29
Tetrahydrofuran
Concen: 94.99 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion:	42	Resp:	174567
Ion Ratio		Lower	Upper
42	100		
72	45.8	37.4	56.0
71	43.4	34.5	51.7

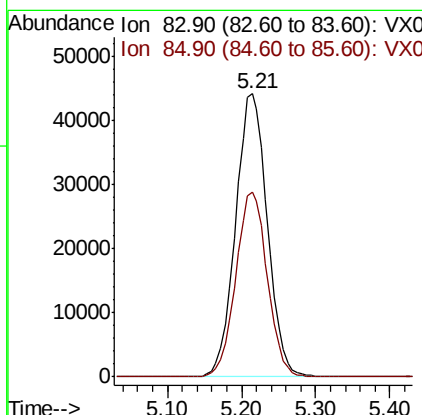
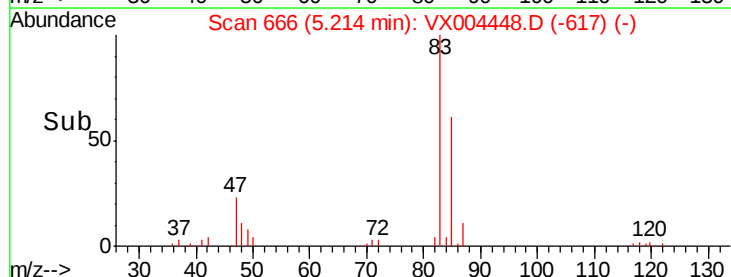
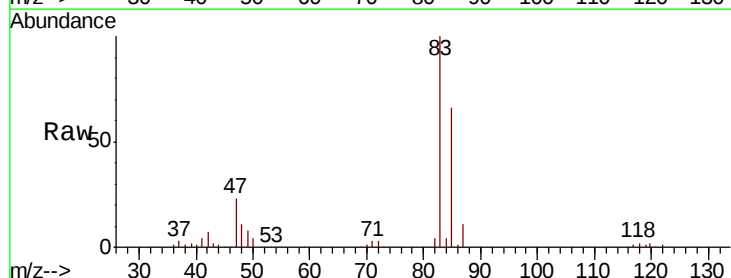
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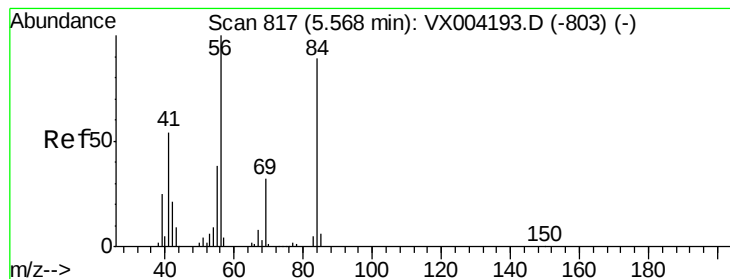
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#30
Chloroform
Concen: 18.96 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion:	83	Resp:	132137
Ion Ratio		Lower	Upper
83	100		
85	65.5	52.6	79.0





#31

Cyclohexane

Concen: 17.36 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 56 Resp: 104118

Ion Ratio Lower Upper

56 100

69 30.1 25.4 38.2

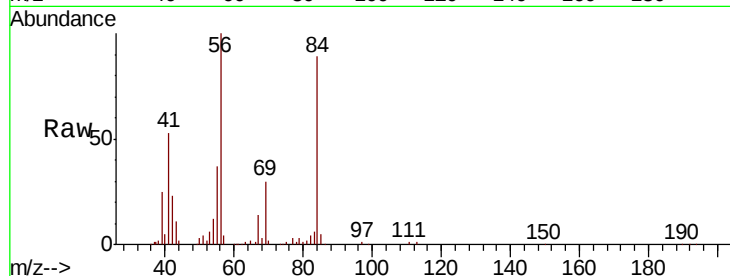
84 87.4 71.4 107.2

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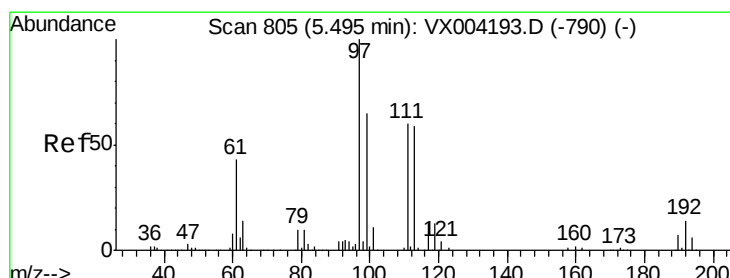
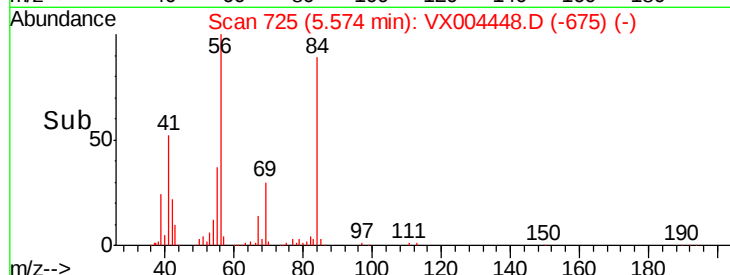
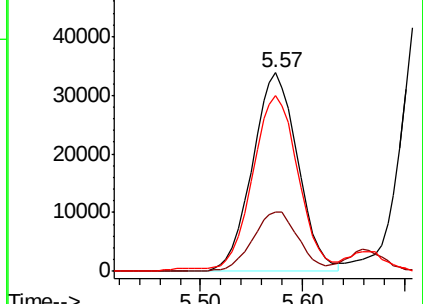
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 18.65 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

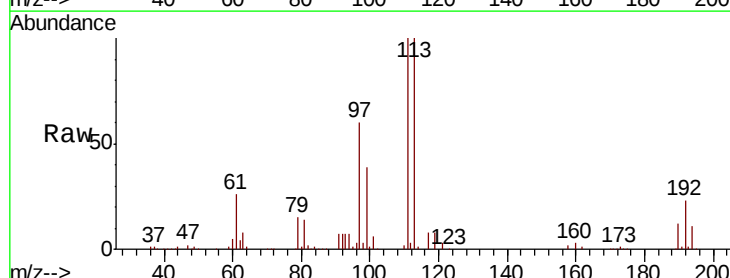
Tgt Ion: 97 Resp: 108352

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

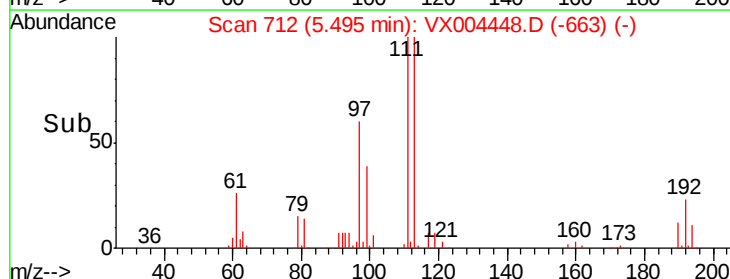
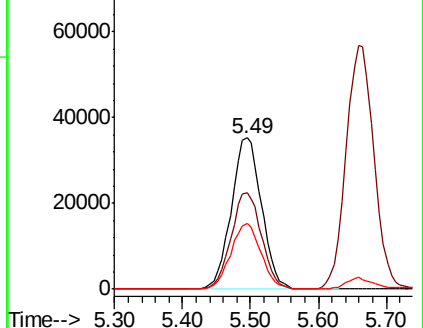
61 43.6 34.9 52.3

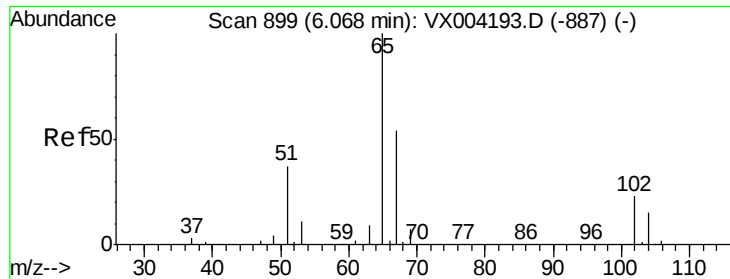


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





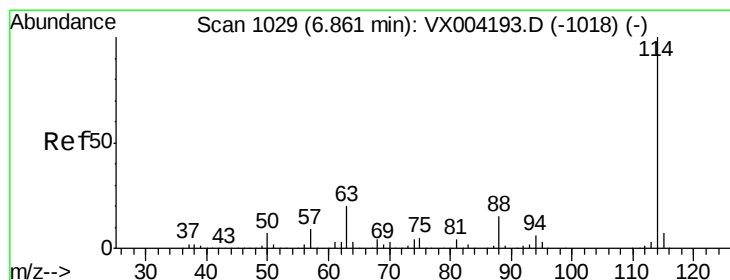
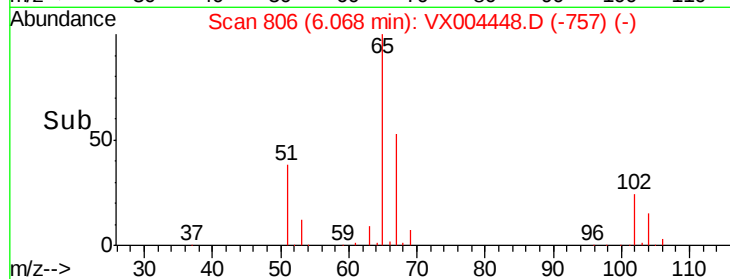
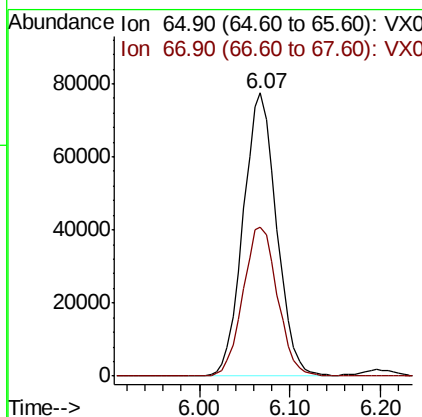
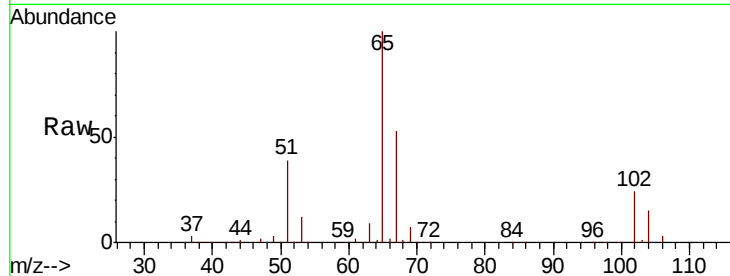
#33
 1,2-Dichloroethane-d4
 Concen: 46.16 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197445		
67	54.6	0.0	106.8	

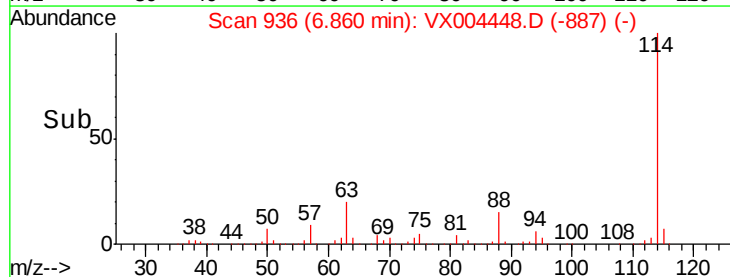
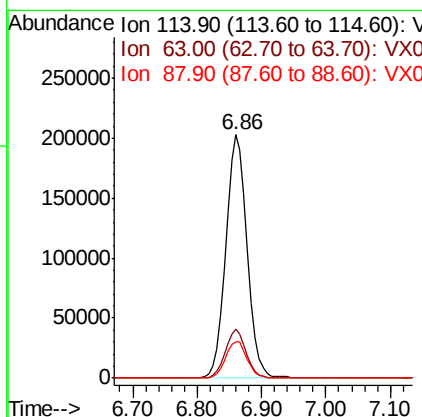
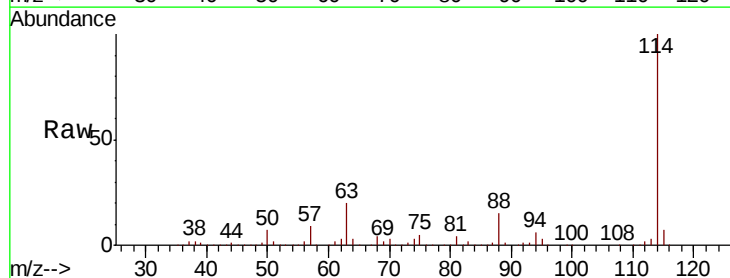
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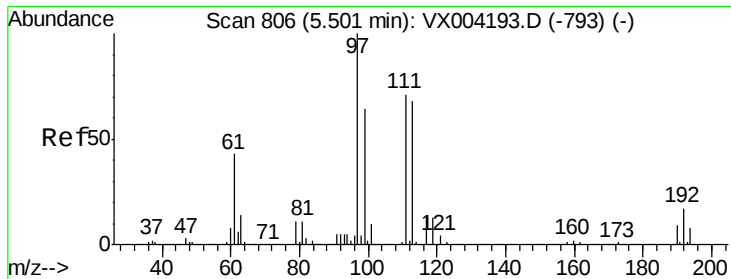
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	472097		
63	19.9	0.0	39.0	
88	15.0	0.0	30.4	





#35

Dibromofluoromethane

Concen: 49.76 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

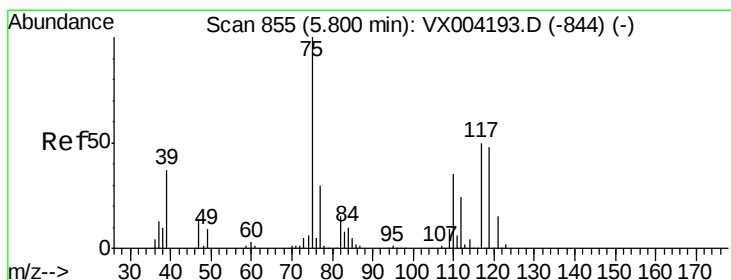
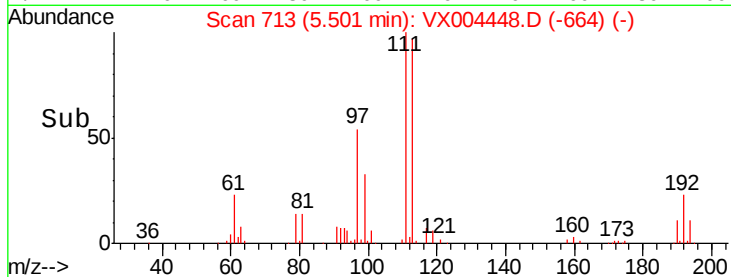
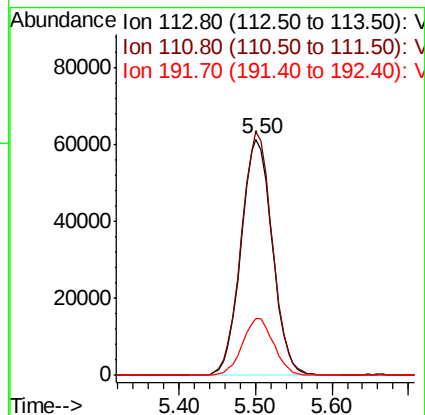
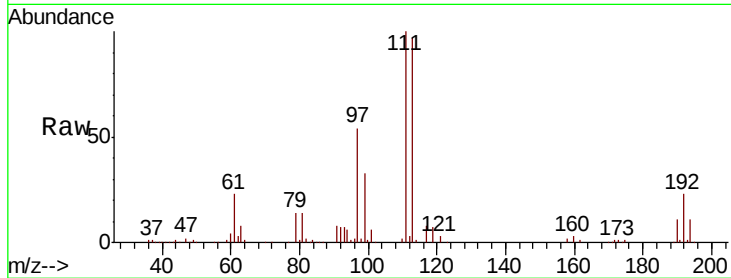
ClientSampleId :

VX0910WBSD01

Tot Ion:	113	Resp:	174759
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.4	123.6
192	24.0	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 17.53 ug/l

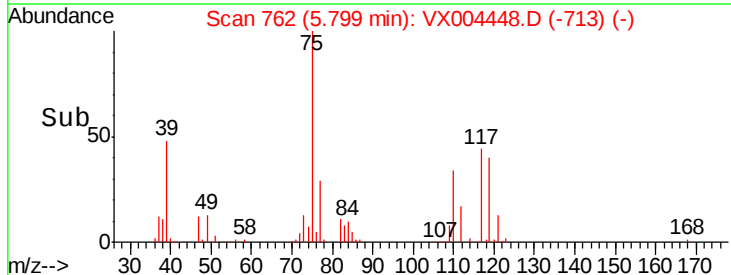
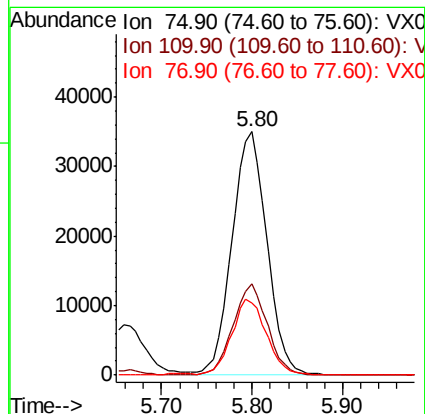
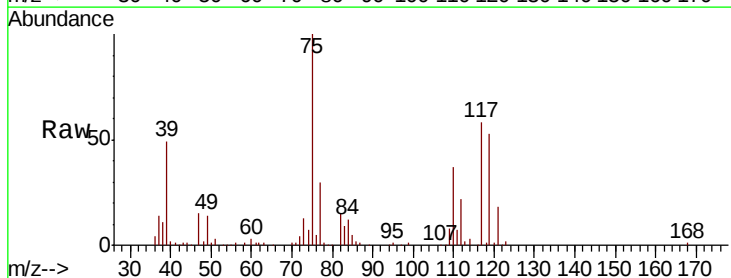
RT: 5.80 min Scan# 762

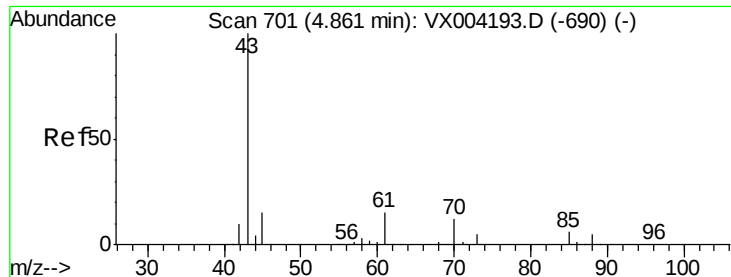
Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Tgt Ion:	75	Resp:	93022
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.0	54.0
77	31.2	24.6	36.8





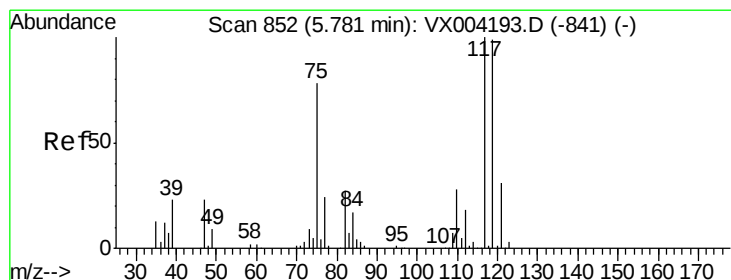
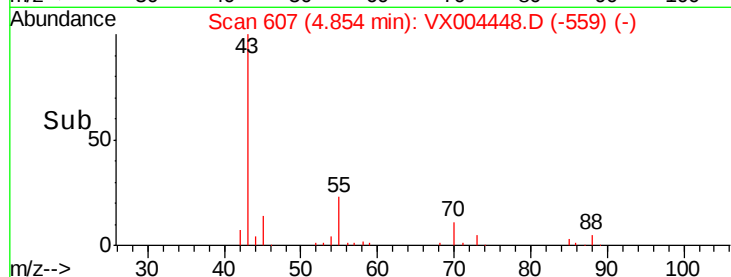
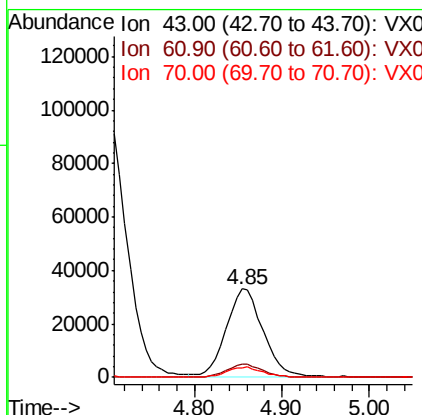
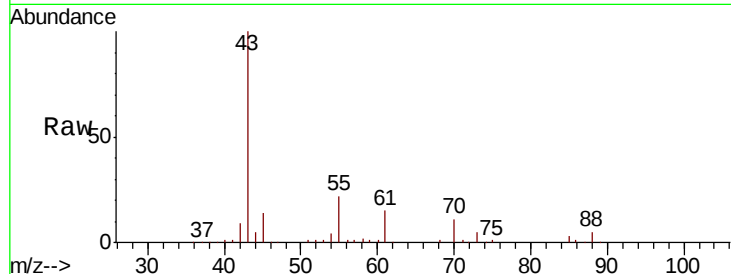
#37
Ethyl Acetate
Concen: 18.39 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.4	9.0	13.6

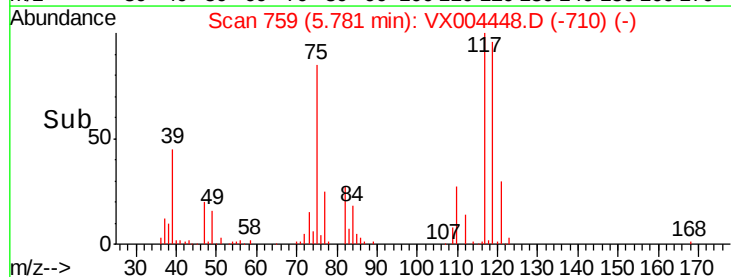
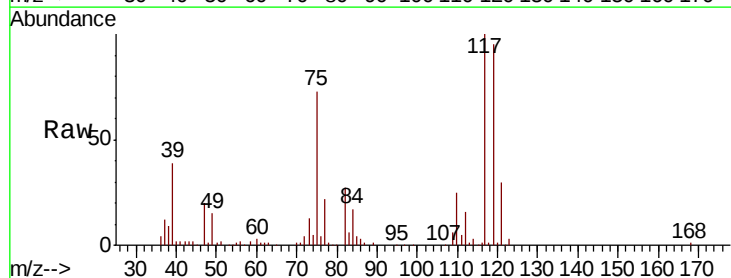
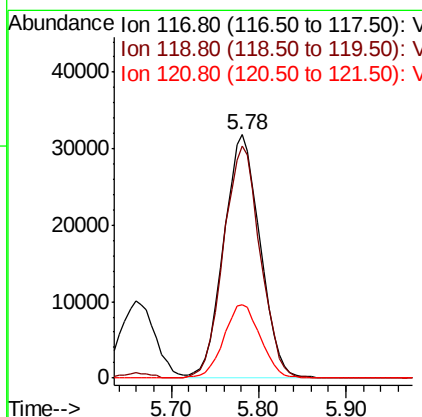
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#38
Carbon Tetrachloride
Concen: 18.43 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.8	118.2
121	29.9	24.9	37.3





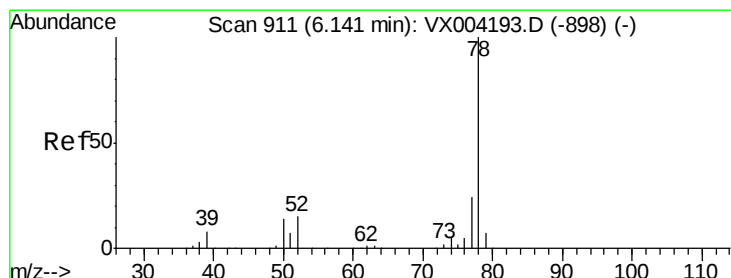
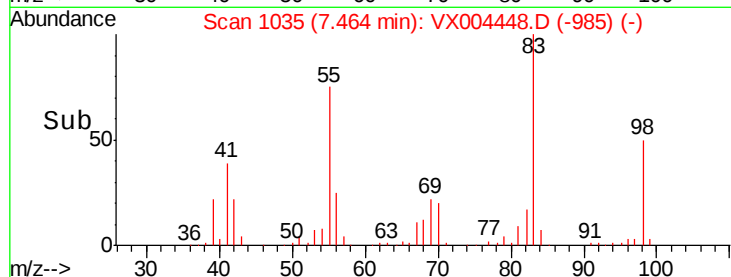
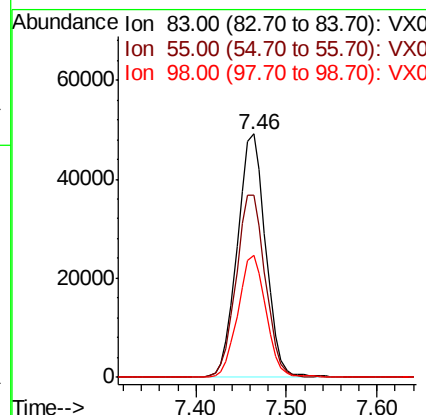
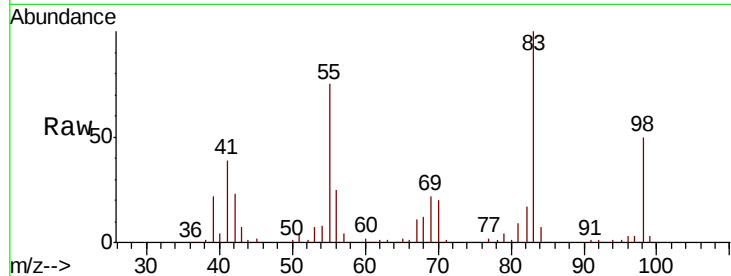
#39
Methvlcvclohexane
Concen: 17.61 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.0	91.4
98	50.0	39.6	59.4

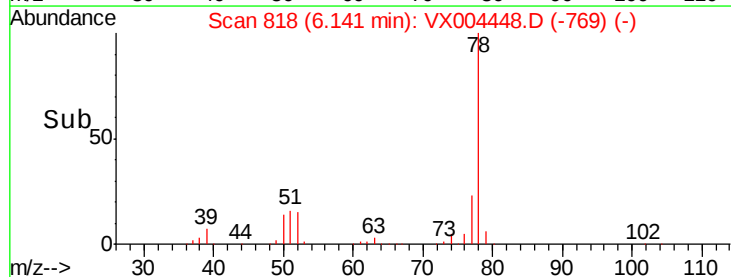
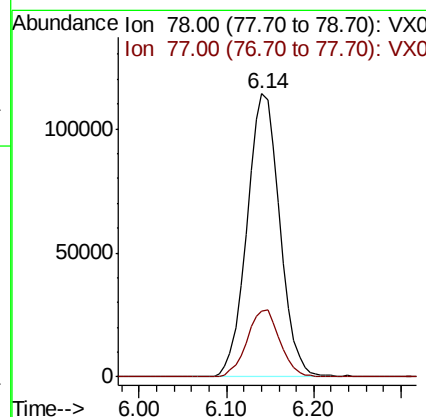
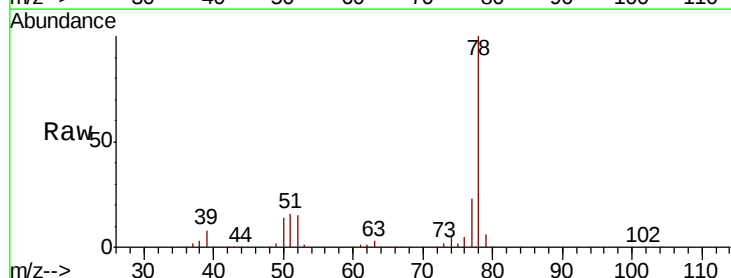
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#40
Benzene
Concen: 18.73 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





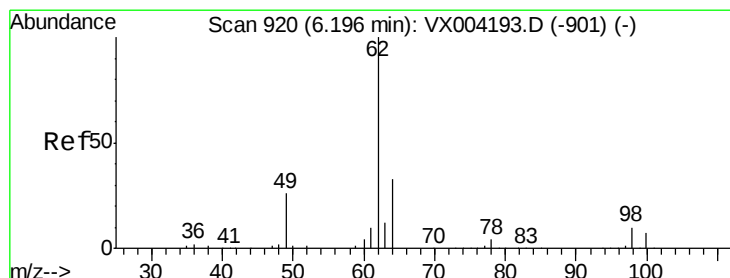
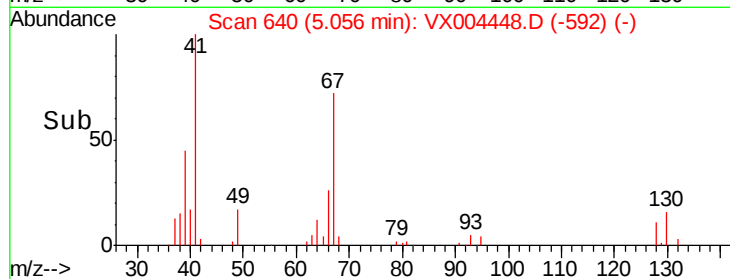
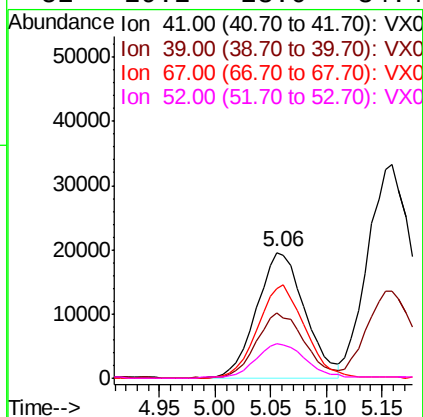
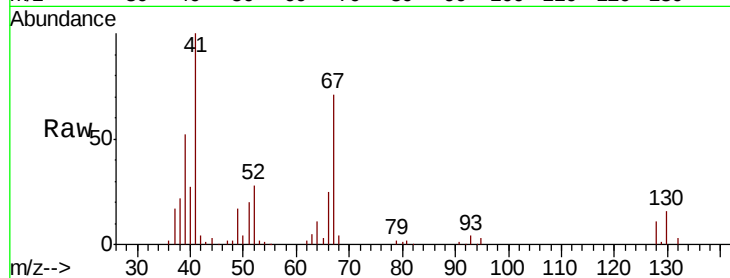
#41
Methacrylonitrile
Concen: 19.64 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	42.4	63.6	
67	72.0	59.2	88.8	
52	29.2	23.0	34.4	

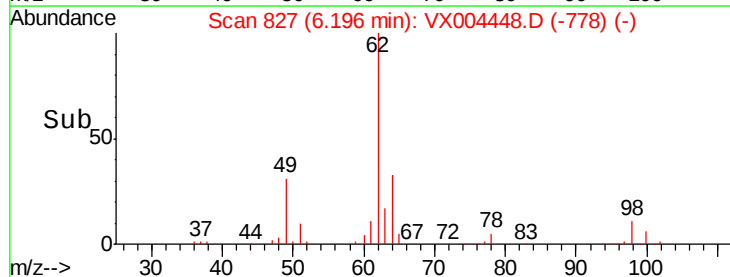
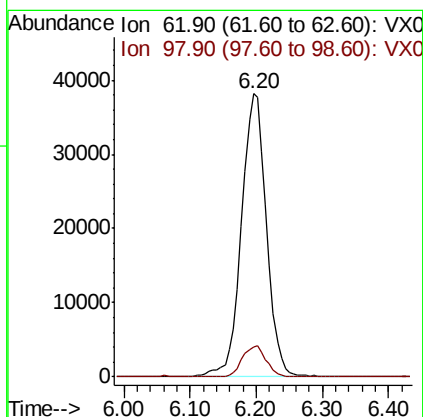
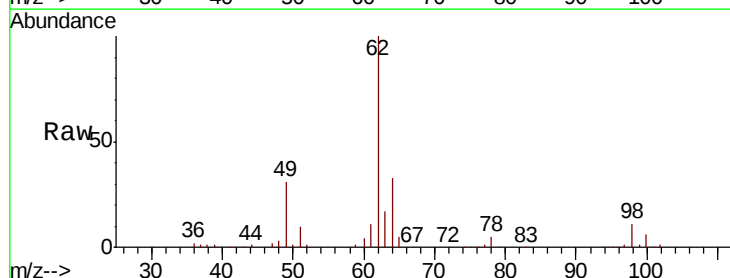
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#42
1,2-Dichloroethane
Concen: 18.56 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.6	





#43

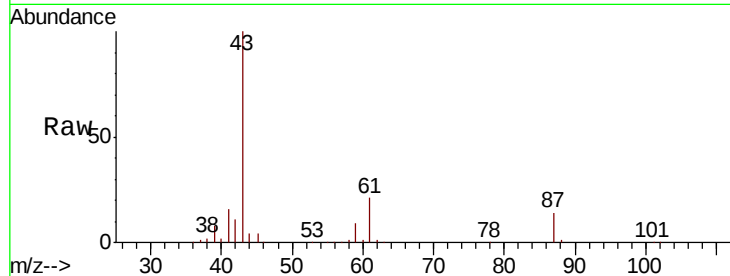
Isopropyl Acetate
 Concen: 18.74 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

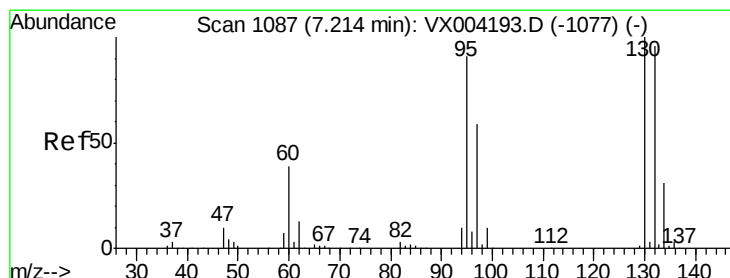
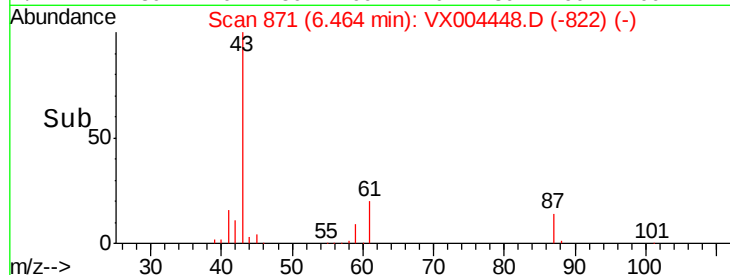
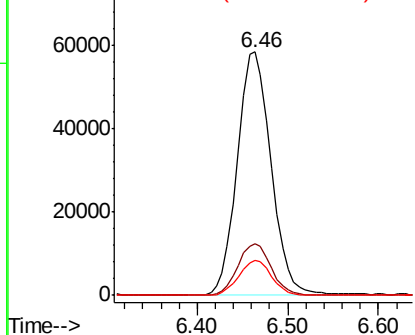
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.0	25.4
87	14.0	11.4	17.2

Manual Integrations
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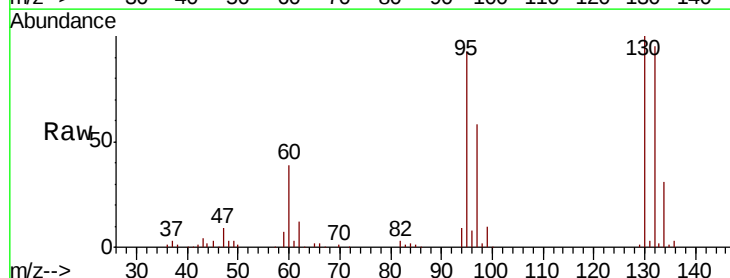
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



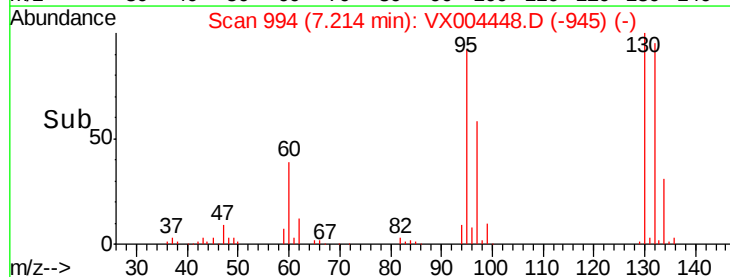
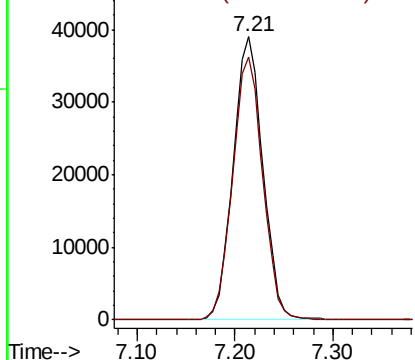
#44

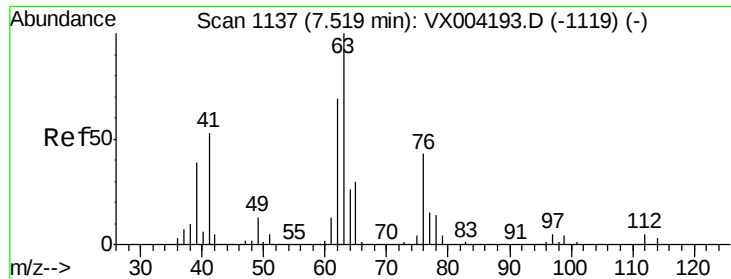
Trichloroethene
 Concen: 18.71 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





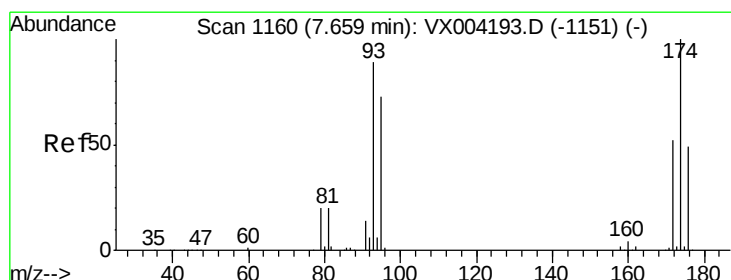
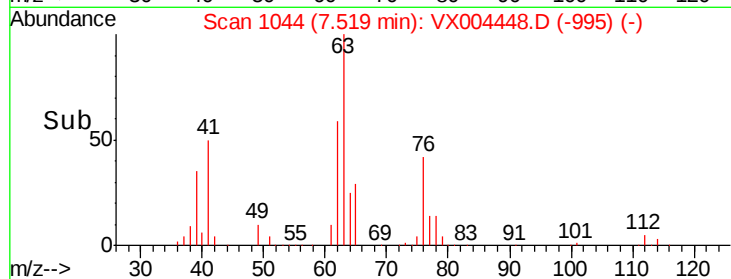
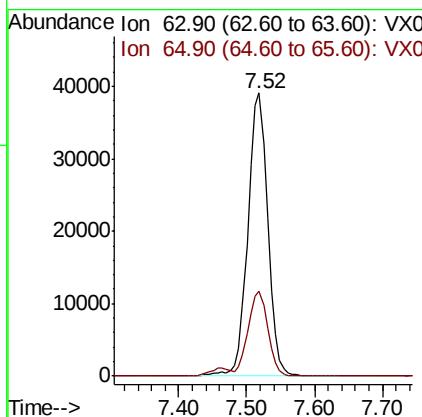
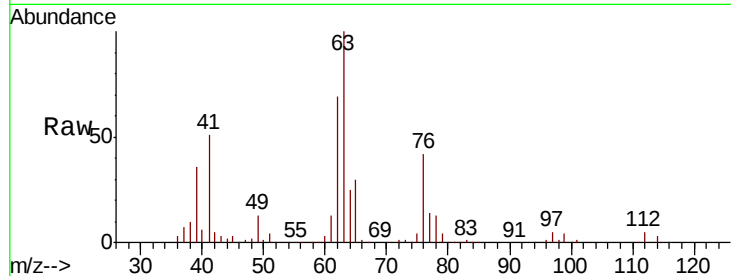
#45
 1,2-Dichloropropane
 Concen: 20.11 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.3	36.5

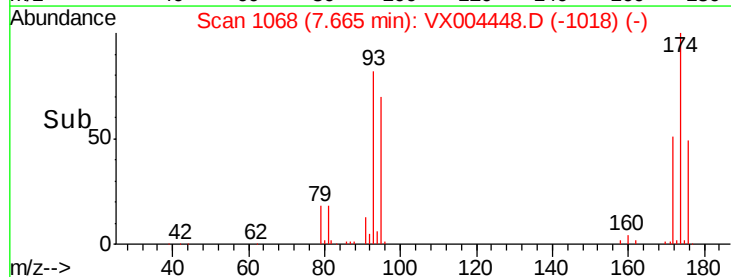
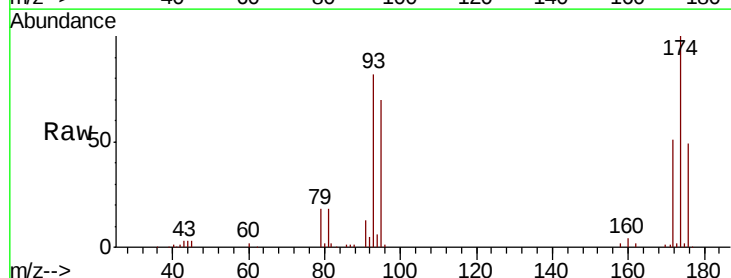
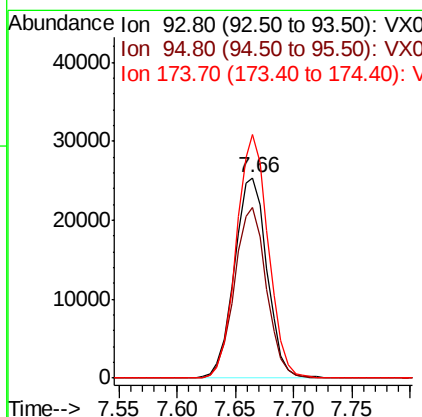
Manual Integrations
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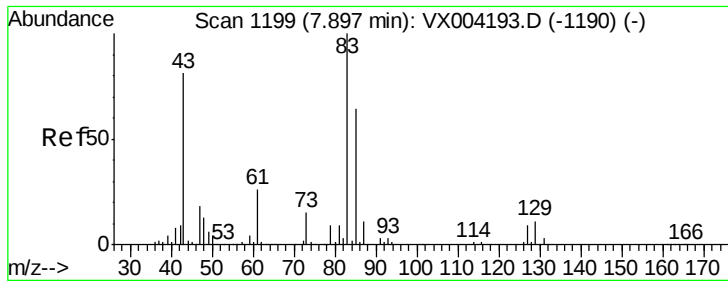
MMDadoda
 9/11/2018 3:06:43 PM



#46
 Dibromomethane
 Concen: 18.77 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.5	98.3
174	118.8	94.2	141.4





#47

Bromodichloromethane

Concen: 19.40 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

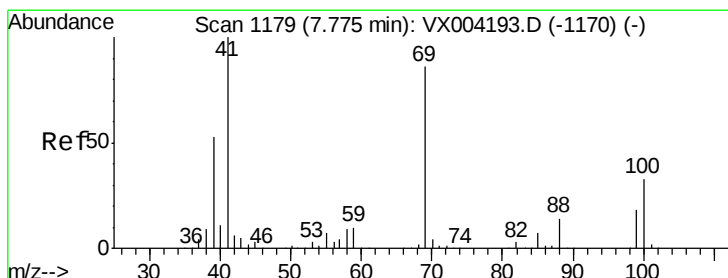
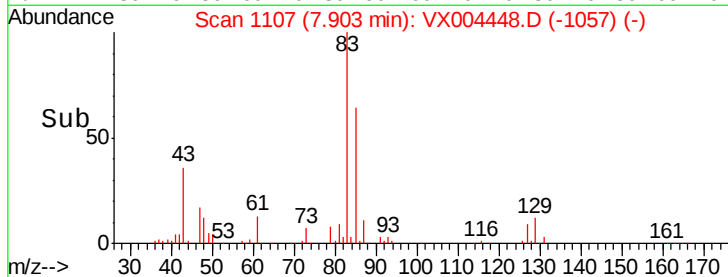
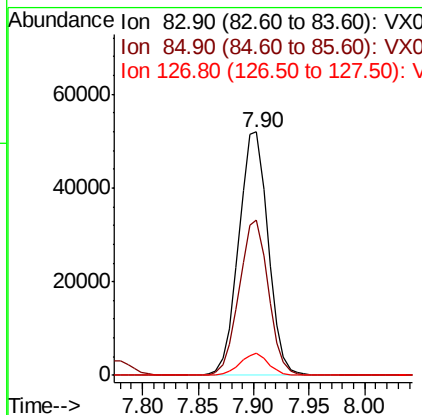
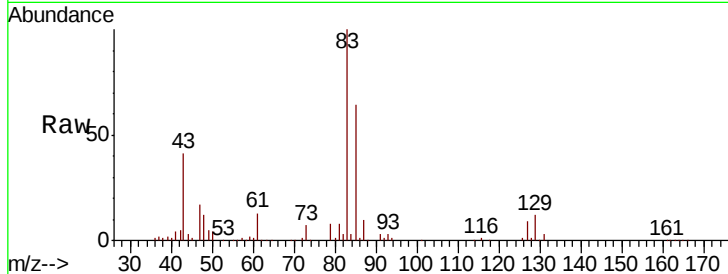
ClientSampled :

VX0910WBSD01

Tot Ion:	83	Resp:	95420
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.9	76.3
127	9.0	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.23 ug/l

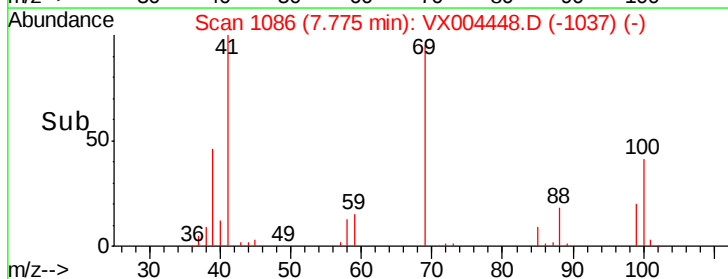
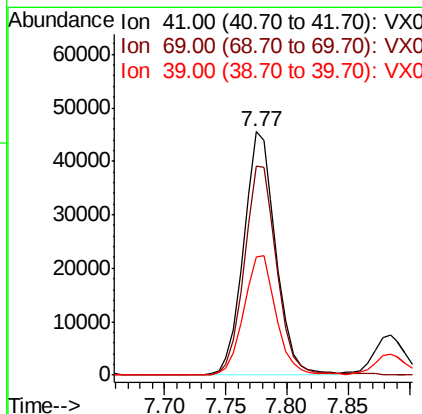
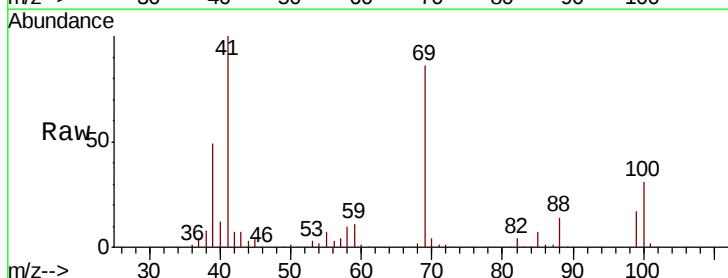
RT: 7.77 min Scan# 1086

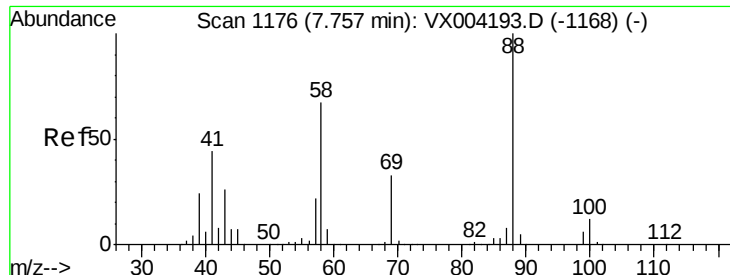
Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Tgt Ion:	41	Resp:	82512
Ion Ratio	Lower	Upper	
41	100		
69	87.3	70.2	105.4
39	50.2	42.7	64.1





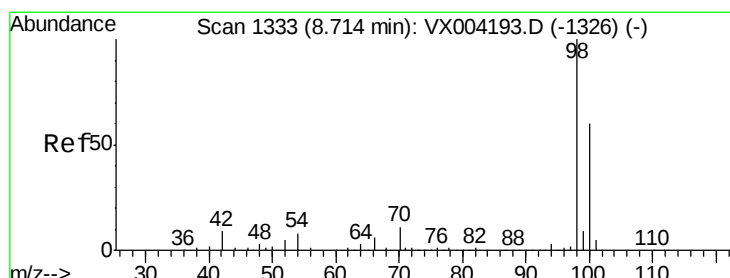
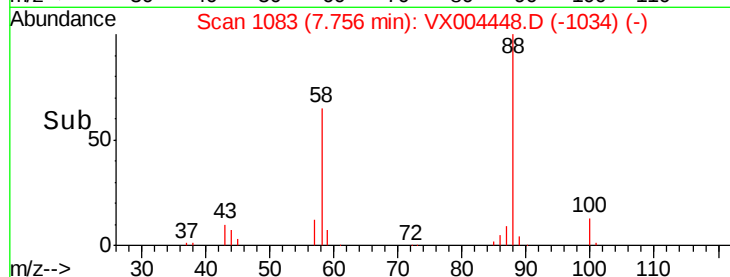
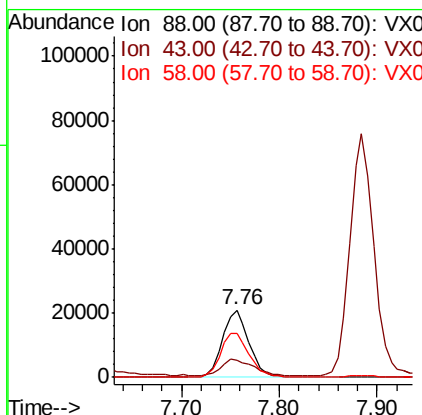
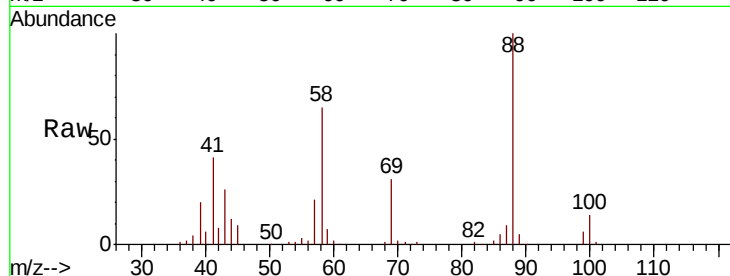
#49
1,4-Dioxane
Concen: 402.70 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	88	Resp	39240
Ion Ratio	Lower	Upper	
88	100		
43	31.1	24.7	37.1
58	70.8	55.3	82.9

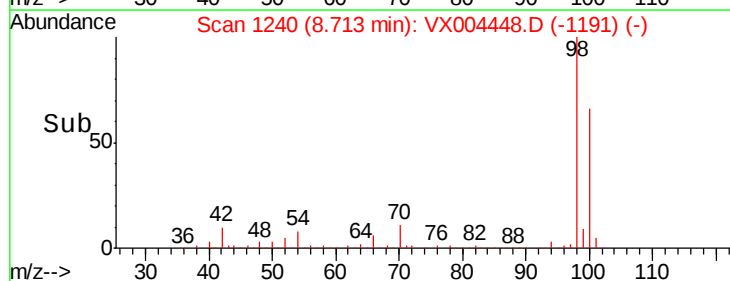
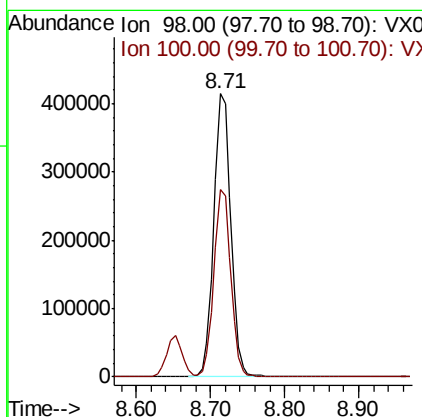
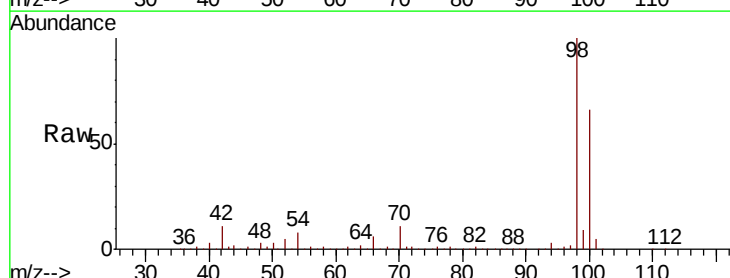
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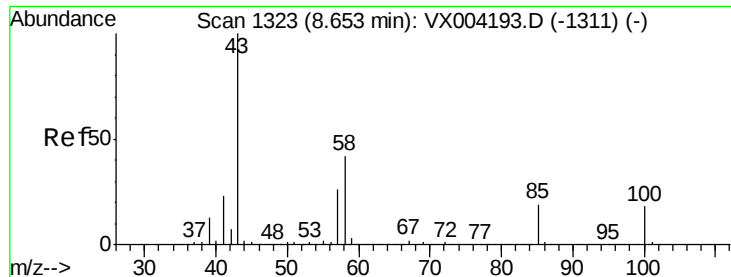
MMDadoda
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#50
Toluene-d8
Concen: 48.87 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	98	Resp	647849
Ion Ratio	Lower	Upper	
98	100		
100	65.9	52.9	79.3





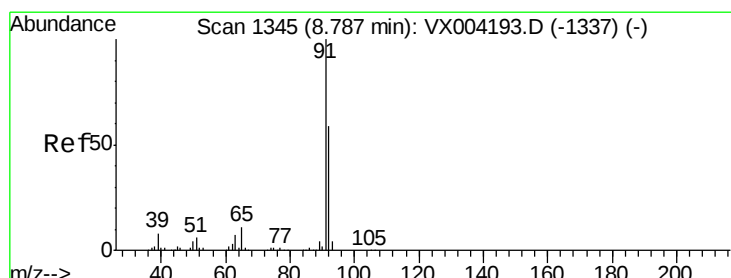
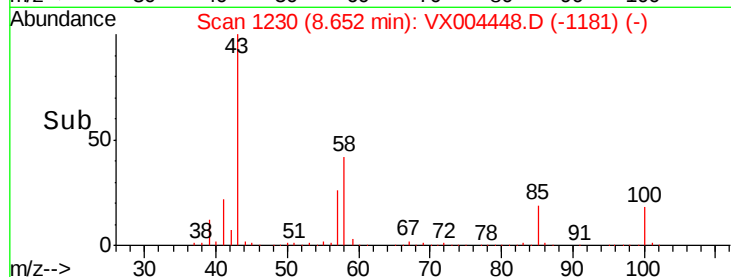
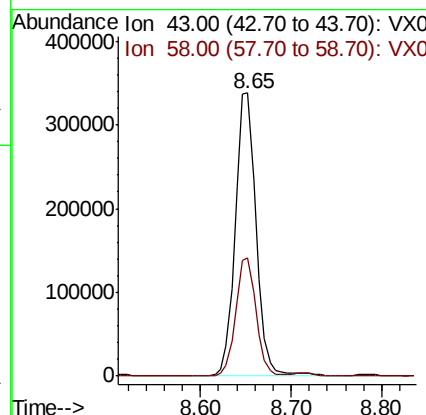
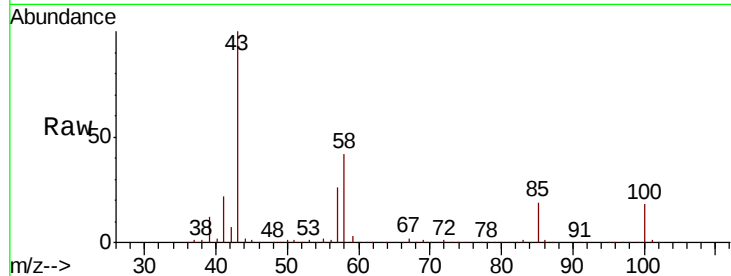
#51
 4-Methyl-2-Pentanone
 Concen: 93.80 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampled :
 VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.1	49.7

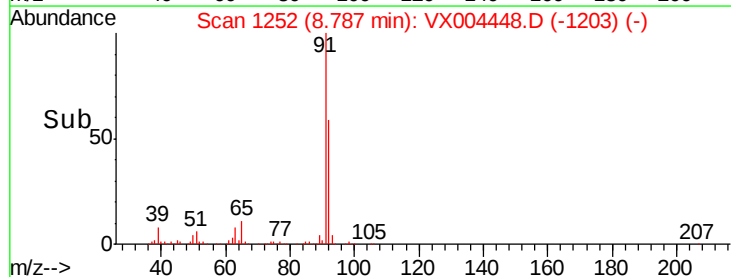
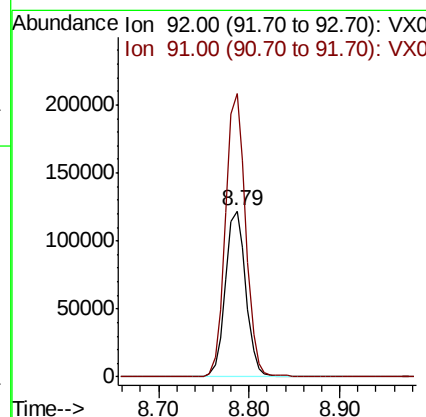
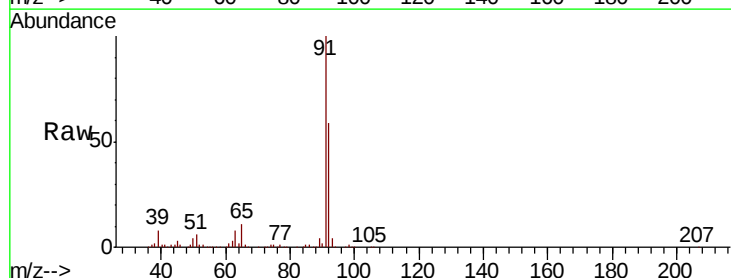
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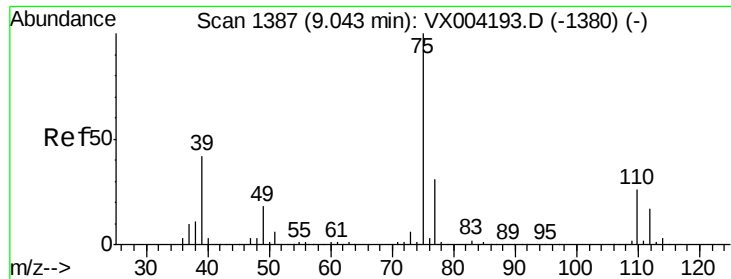
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#52
 Toluene
 Concen: 19.27 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.4	204.6





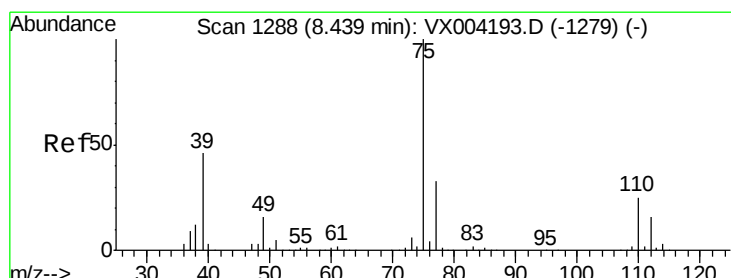
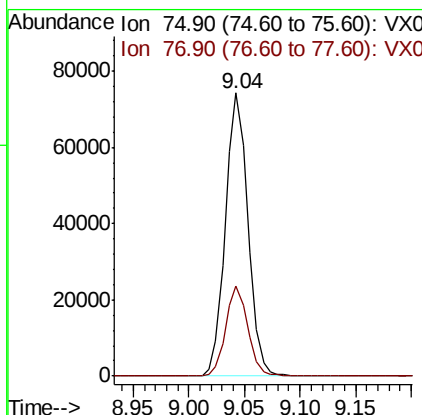
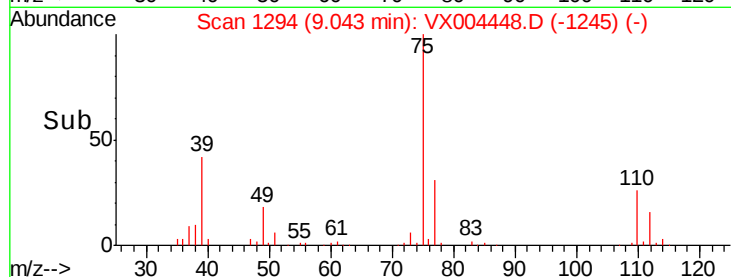
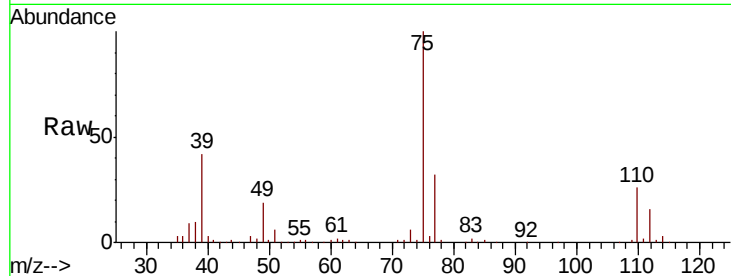
#53
t-1,3-Dichloropropene
Concen: 19.23 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	37.0

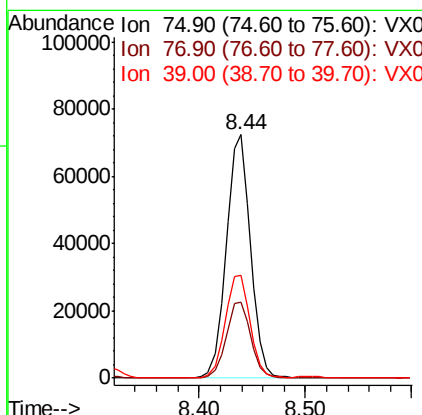
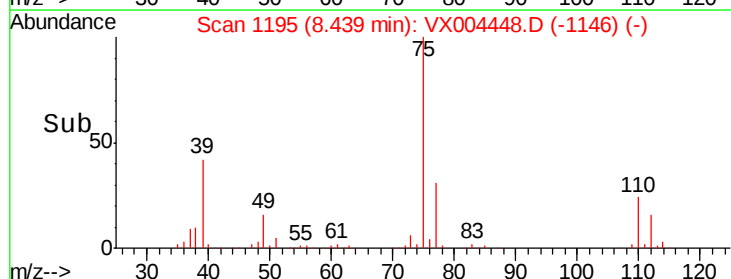
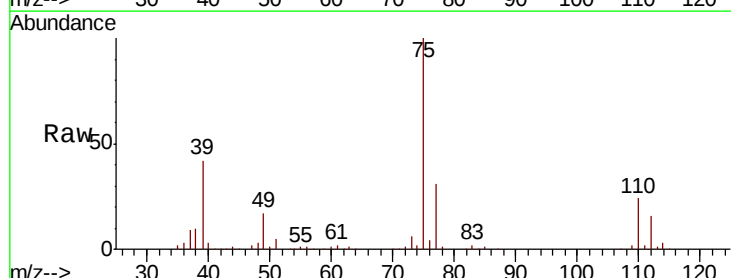
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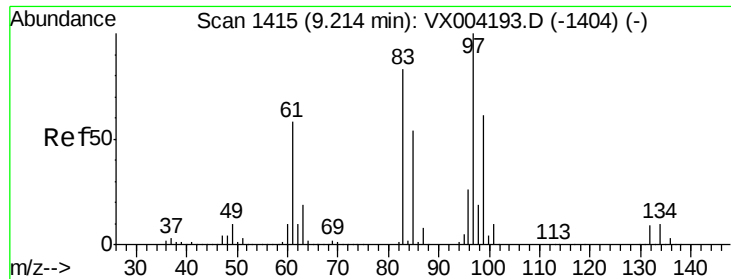
MMDadoda
9/11/2018 3:06:43 PM



#54
cis-1,3-Dichloropropene
Concen: 19.46 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.2
39	42.2	36.4	54.6





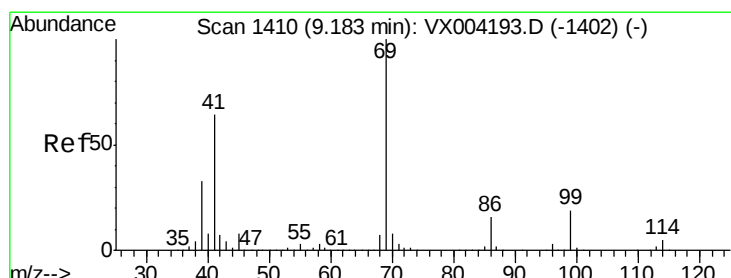
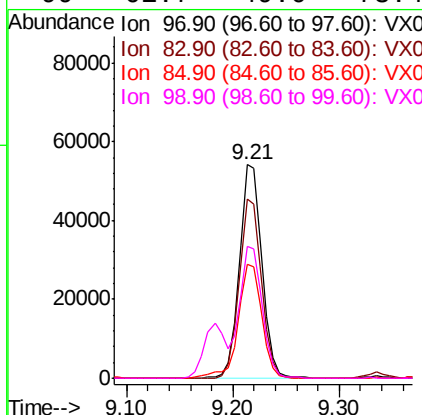
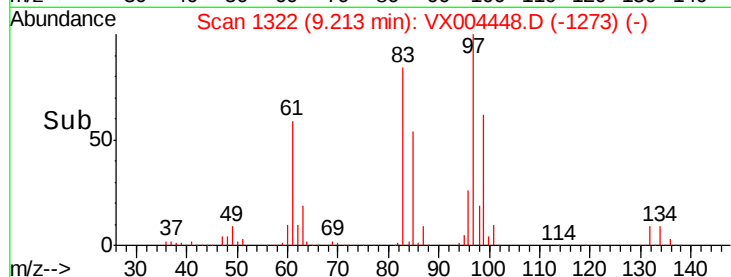
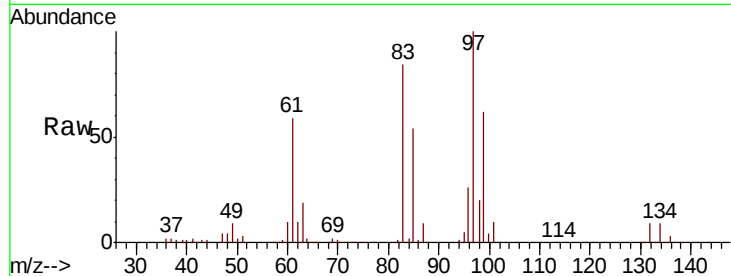
#55
 1,1,2-Trichloroethane
 Concen: 20.04 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		80289		
83	83.9	66.4	99.6		
85	53.5	43.3	64.9		
99	61.7	49.0	73.4		

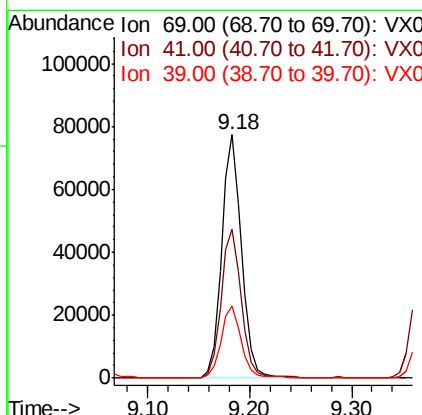
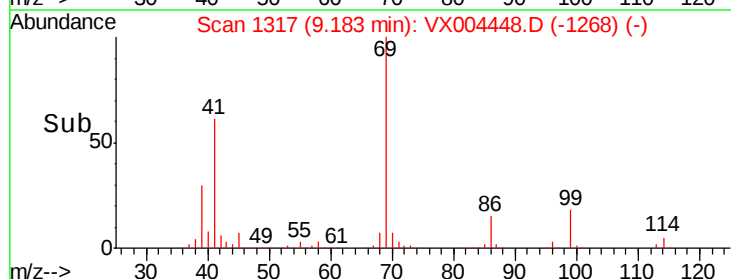
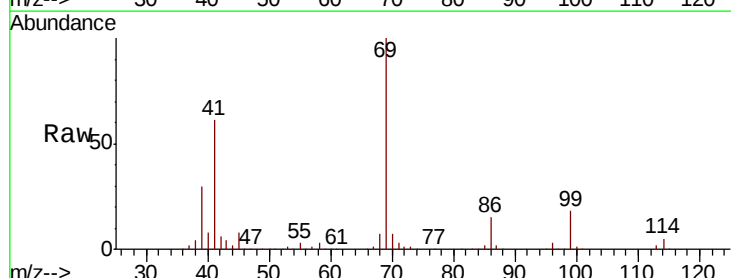
Manual Integrations
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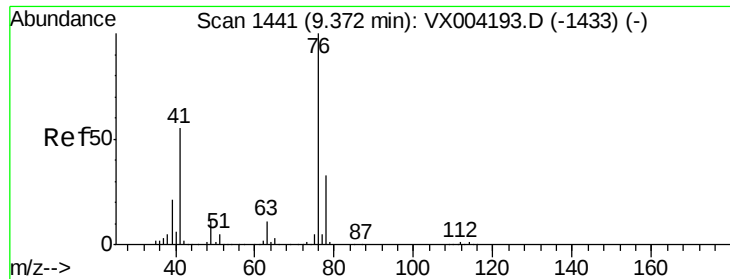
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 9/11/2018 3:06:43 PM



#56
 Ethyl methacrylate
 Concen: 19.21 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104804		
41	62.2	51.0	76.4		
39	30.2	26.1	39.1		





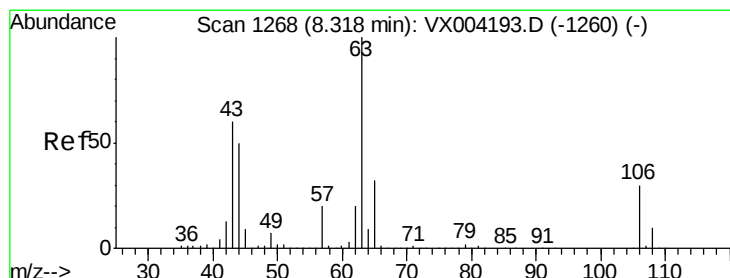
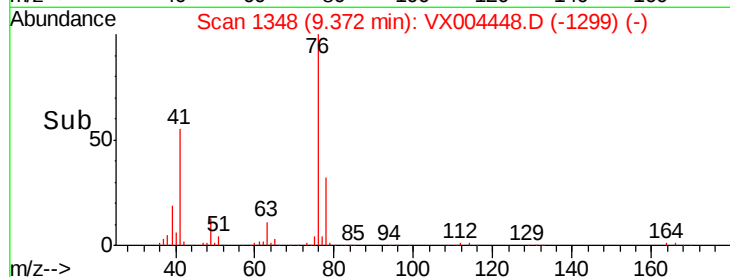
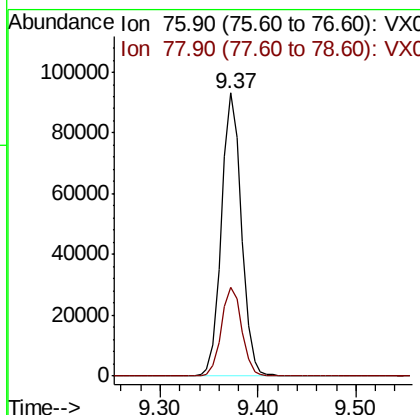
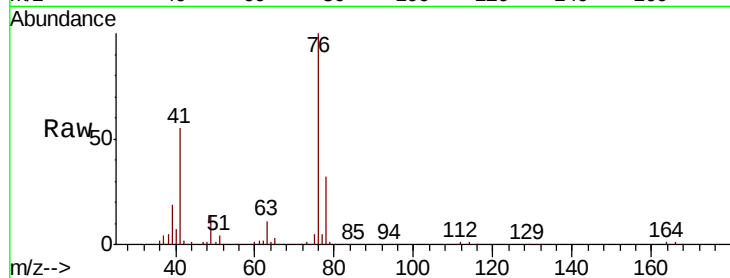
#57
 1,3-Dichloropropane
 Concen: 19.60 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion: 76 Resp: 132382
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

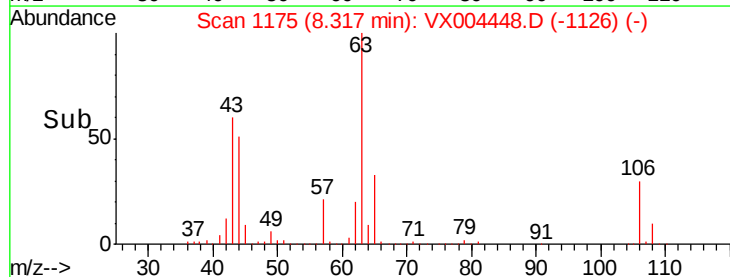
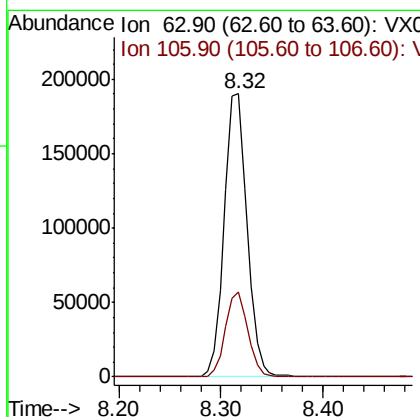
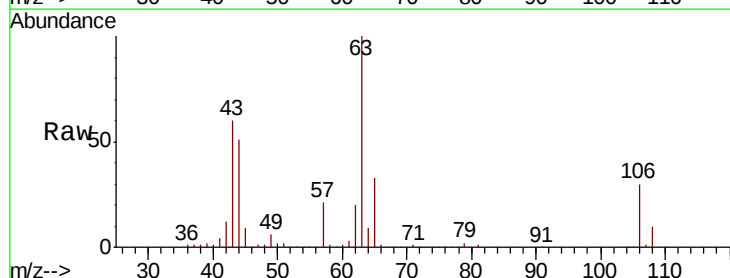
Manual Integrations
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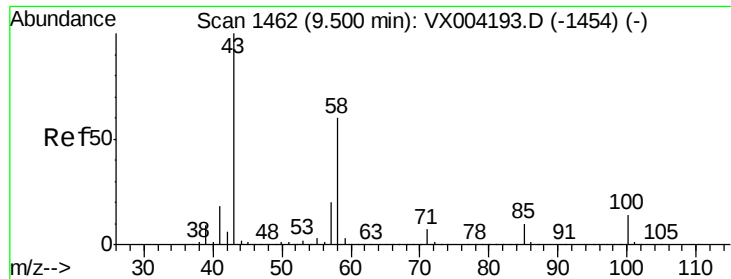
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 9/11/2018 3:06:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.98 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion: 63 Resp: 296231
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.9 35.9





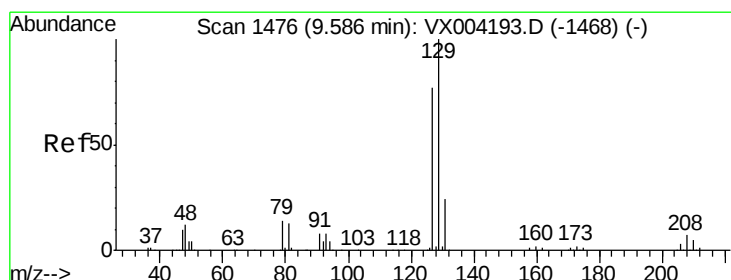
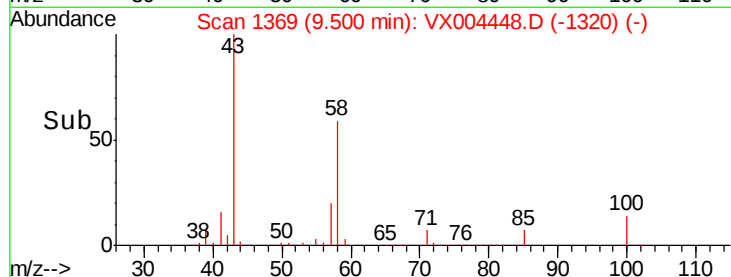
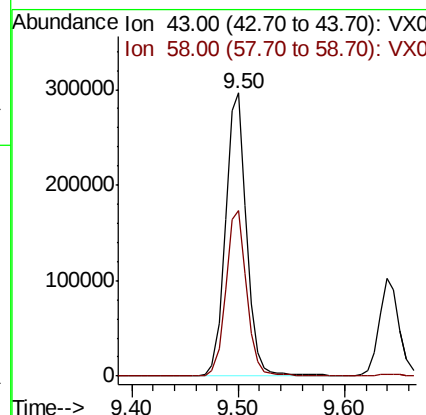
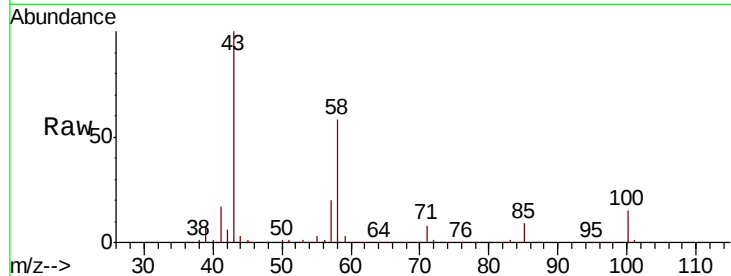
#59
2-Hexanone
Concen: 91.74 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion: 43 Resp: 407872
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.0

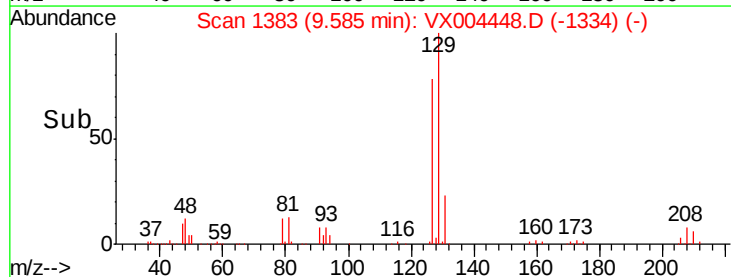
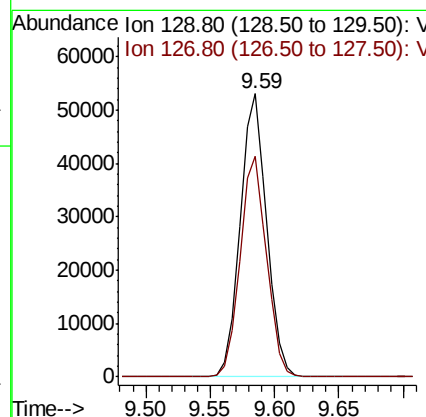
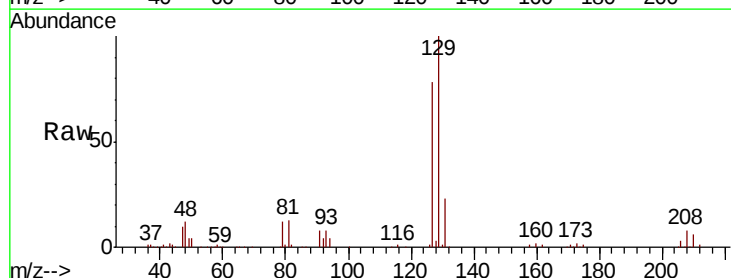
Manual Integrations
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9/11/2018 3:06:43 PM



#60
Dibromochloromethane
Concen: 19.27 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion: 129 Resp: 75237
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.22 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 107 Resp: 79689

Ion Ratio Lower Upper

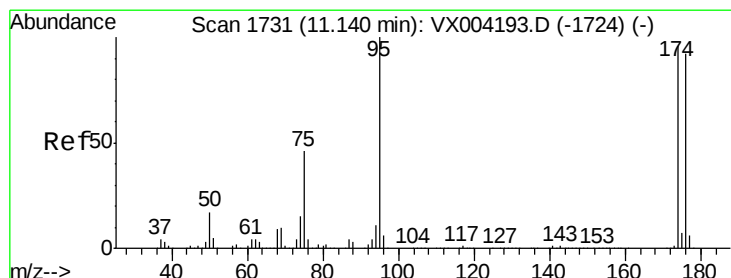
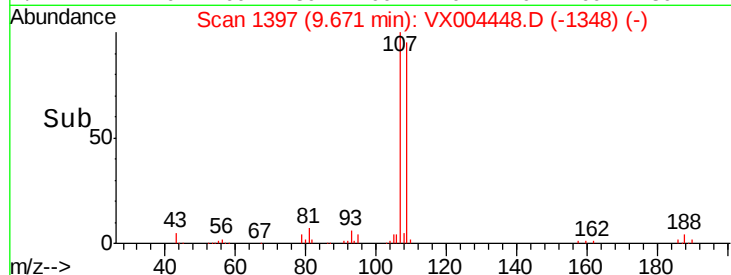
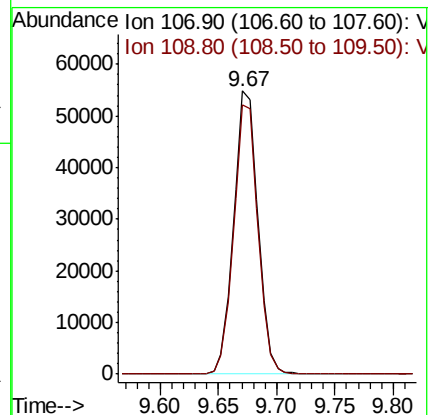
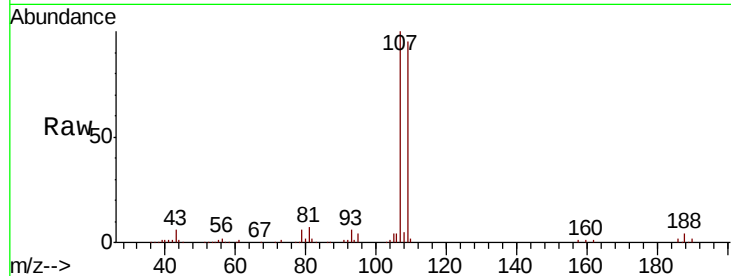
107 100

109 95.3 76.0 114.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.00 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

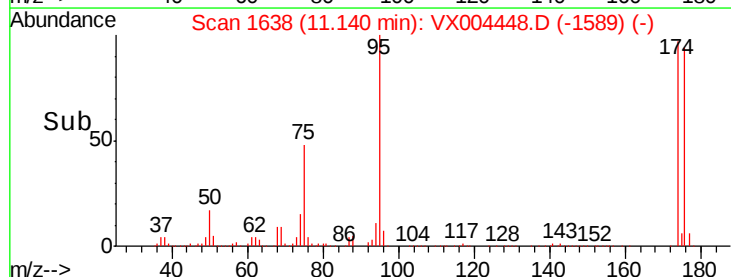
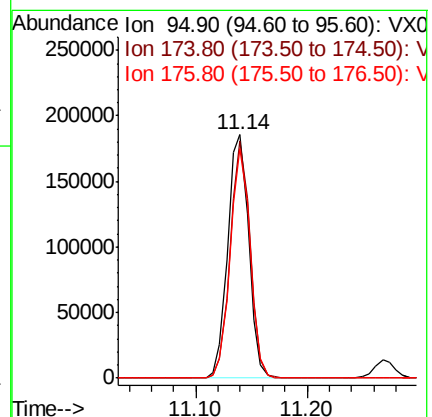
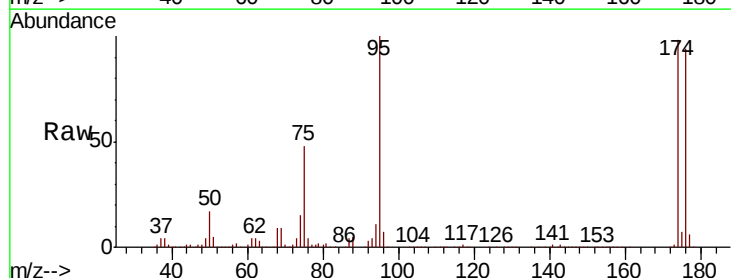
Tgt Ion: 95 Resp: 242390

Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.2

176 89.6 0.0 178.6





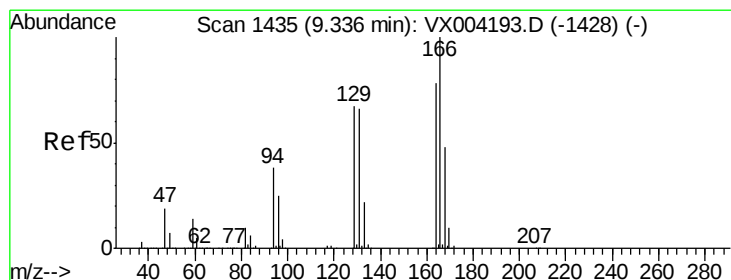
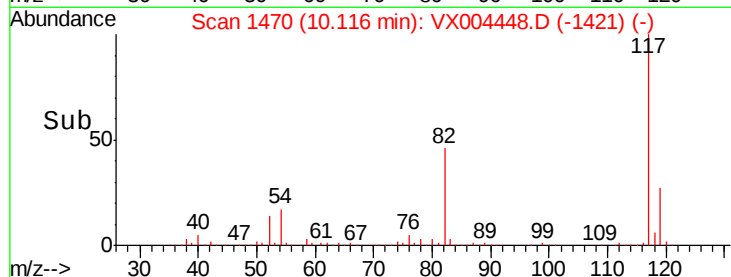
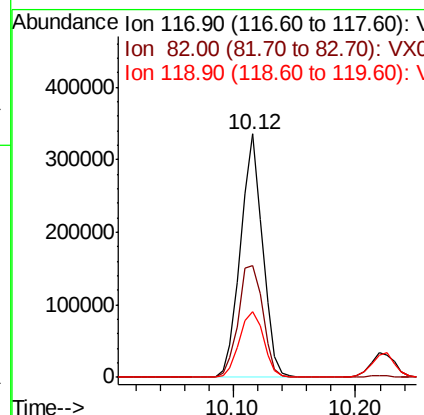
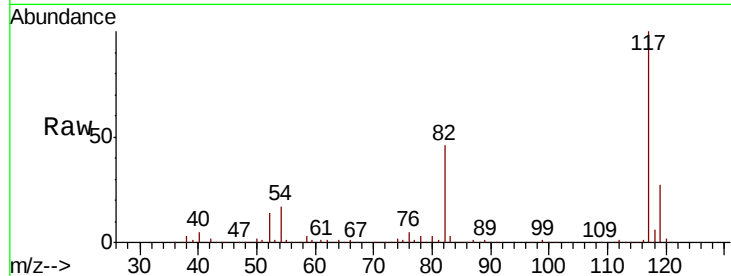
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.7	47.8	71.6#
119	27.0	29.3	43.9#

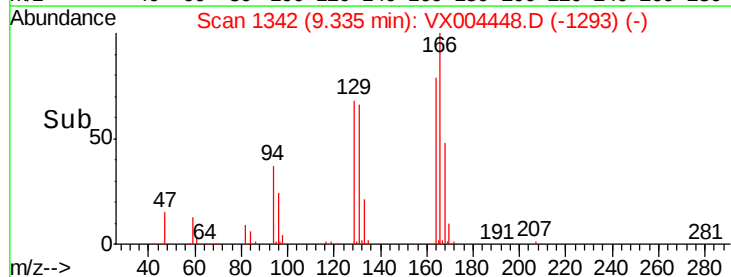
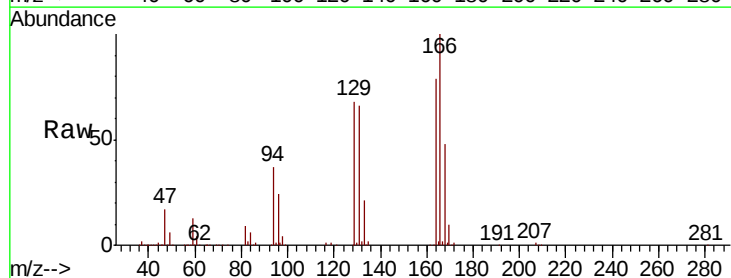
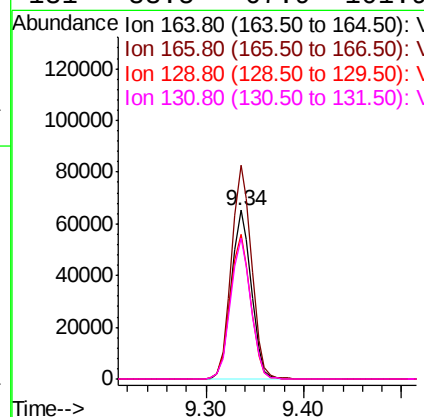
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 22.76 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.8	154.2
129	85.9	69.4	104.0
131	83.5	67.9	101.9





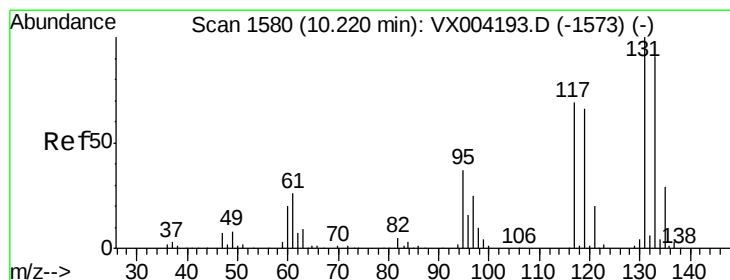
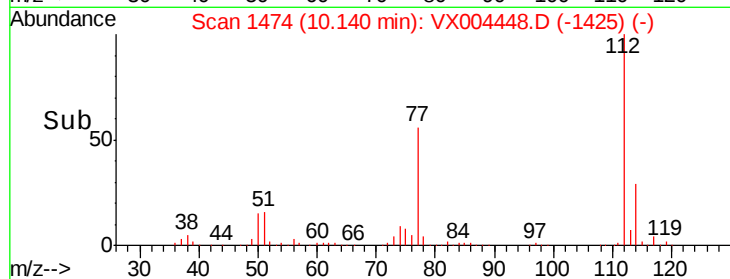
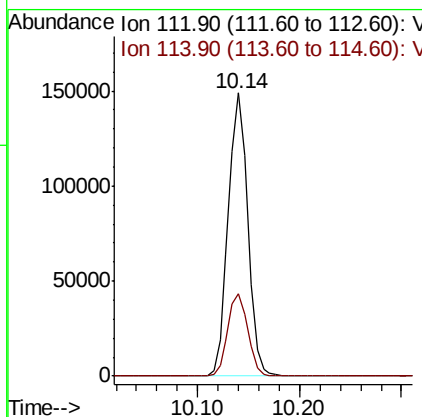
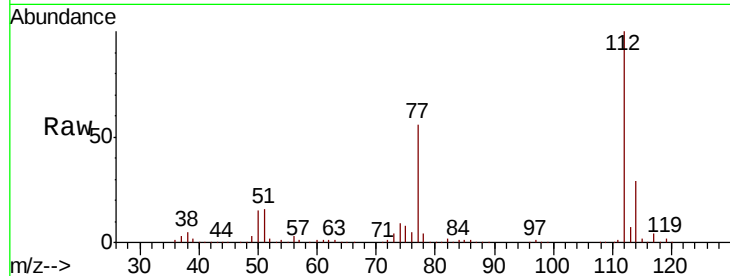
#65
Chlorobenzene
Concen: 18.89 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion:112 Resp: 197152
Ion Ratio Lower Upper
112 100
114 29.1 27.8 41.8

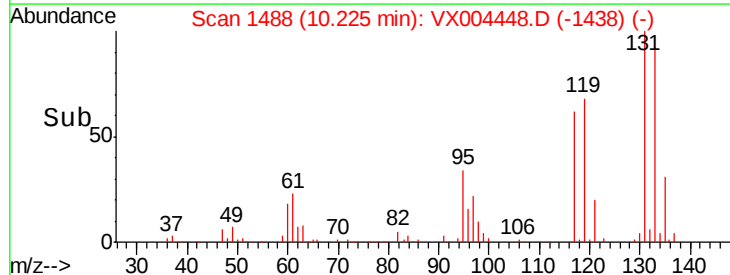
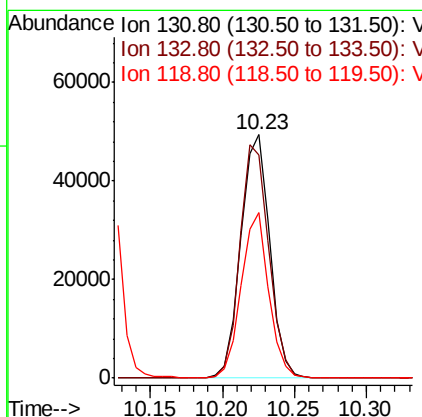
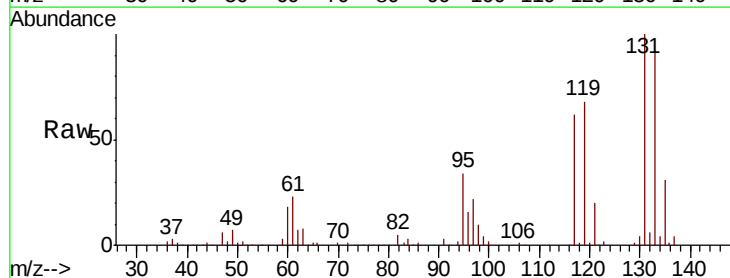
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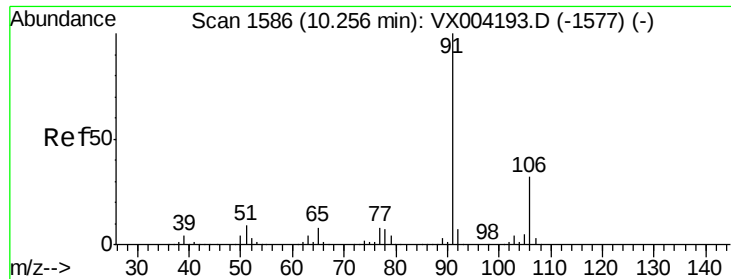
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.08 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion:131 Resp: 68697
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 65.1 32.9 98.6





#67

Ethyl Benzene

Concen: 18.78 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampled :

VX0910WBSD01

Tot Ion: 91 Resp: 318299

Ion Ratio Lower Upper

91 100

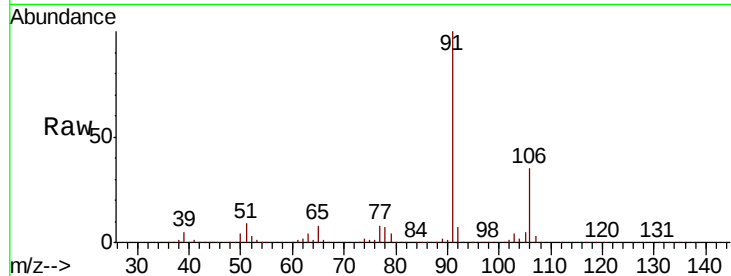
106 35.1 25.9 38.9

Manual Integrations

APPROVED

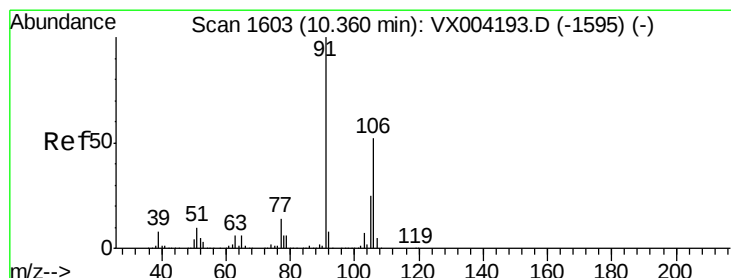
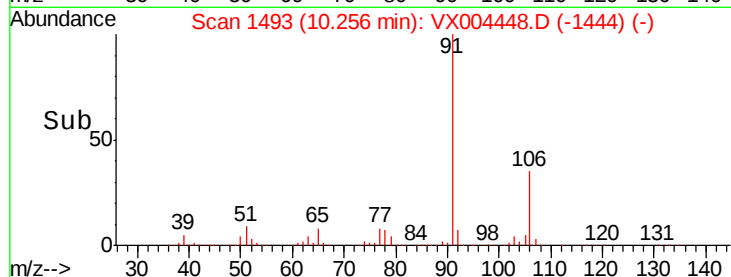
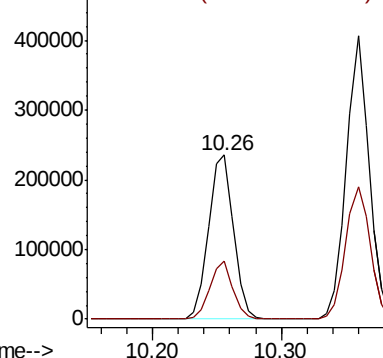
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.75 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004448.D

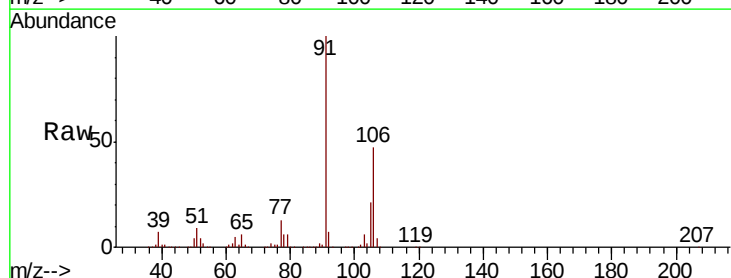
Acq: 10 Sep 2018 15:01

Tgt Ion: 106 Resp: 250266

Ion Ratio Lower Upper

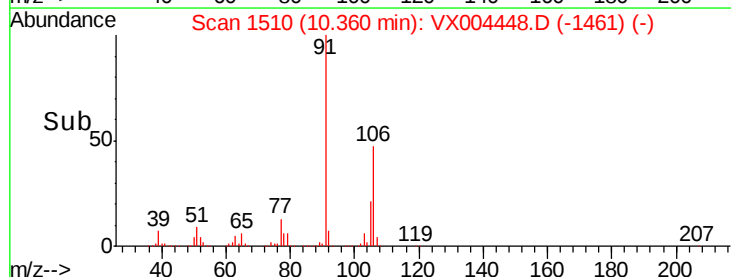
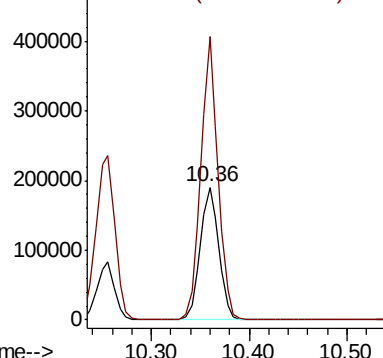
106 100

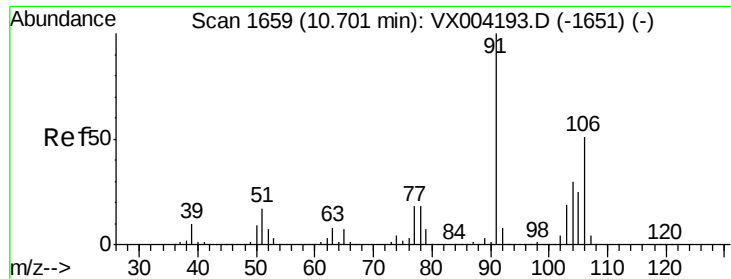
91 197.2 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





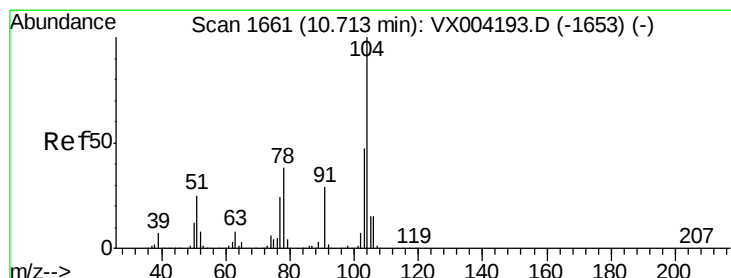
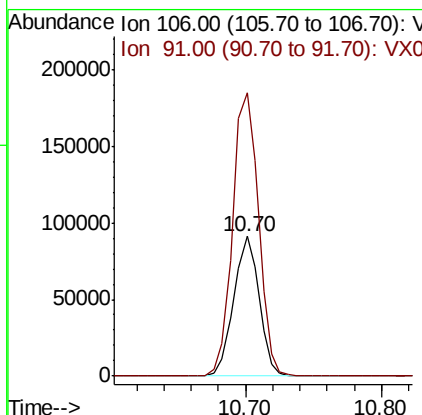
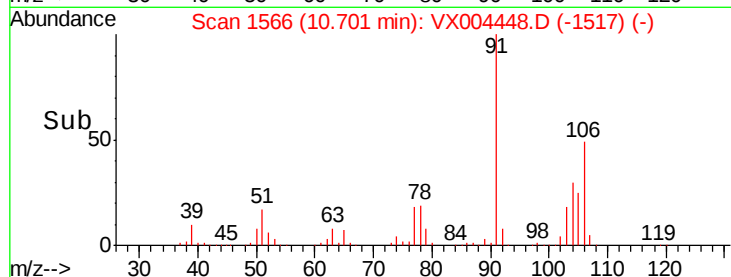
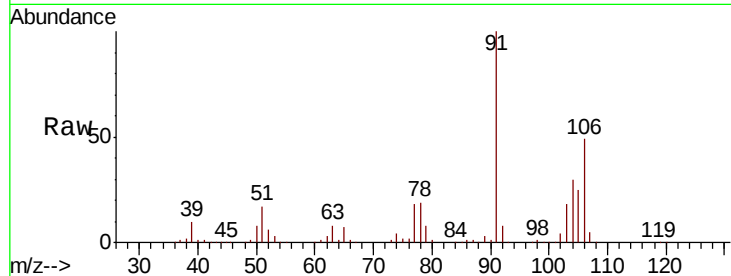
#69
o-Xylene
Concen: 18.91 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampled :
VX0910WBSD01

Tot Ion:106 Resp: 118571
Ion Ratio Lower Upper
106 100
91 207.9 105.1 315.1

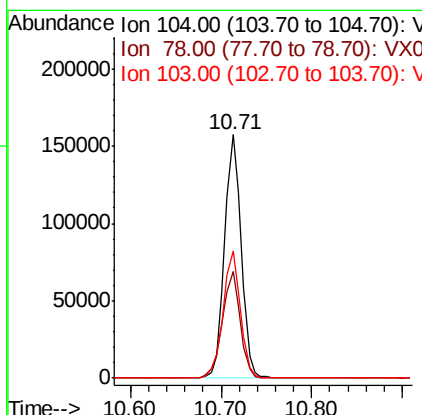
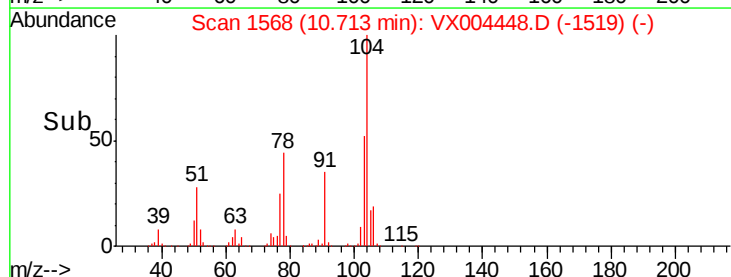
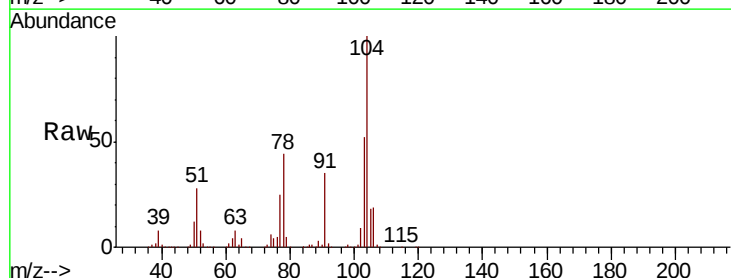
Manual Integrations
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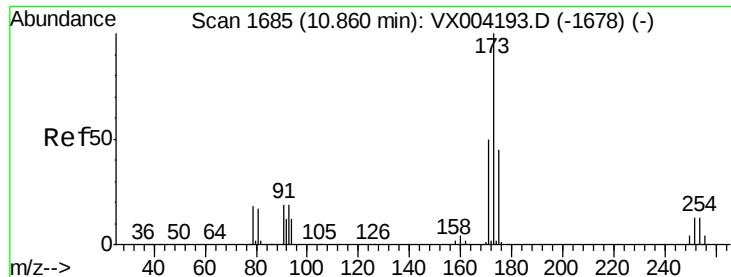
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#70
Styrene
Concen: 19.93 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion:104 Resp: 202360
Ion Ratio Lower Upper
104 100
78 46.9 37.4 56.0
103 54.1 43.8 65.6





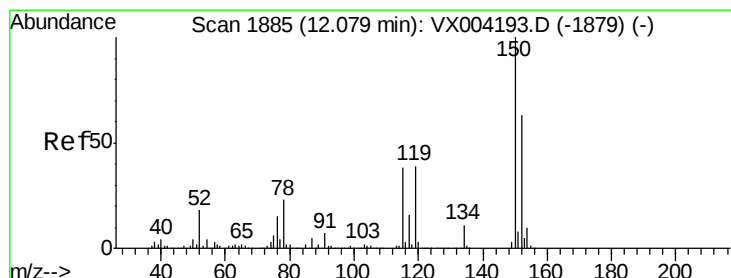
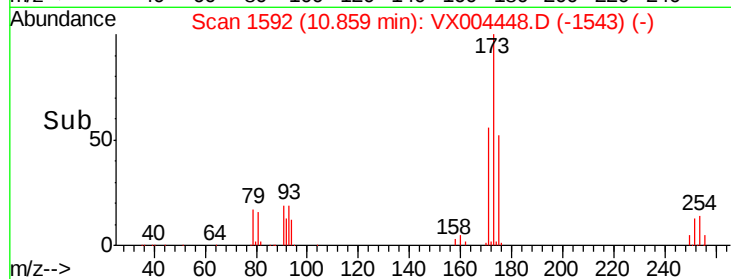
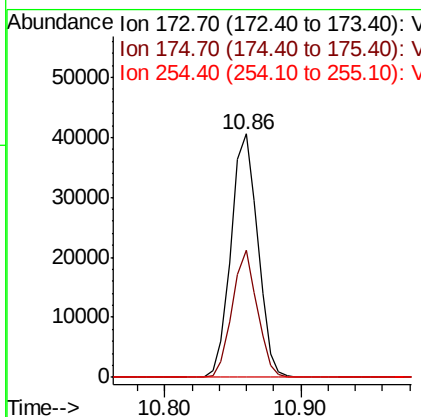
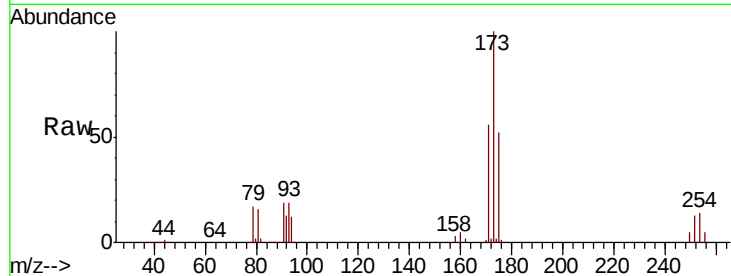
#71
Bromoform
Concen: 19.19 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.2	0.2

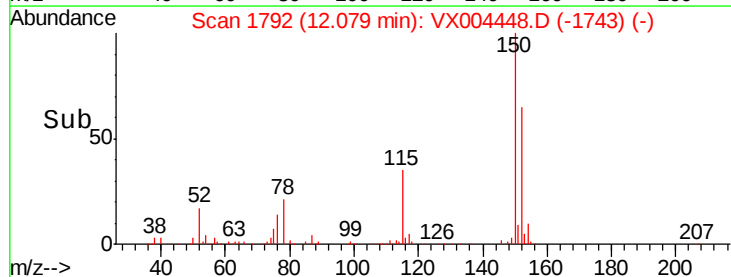
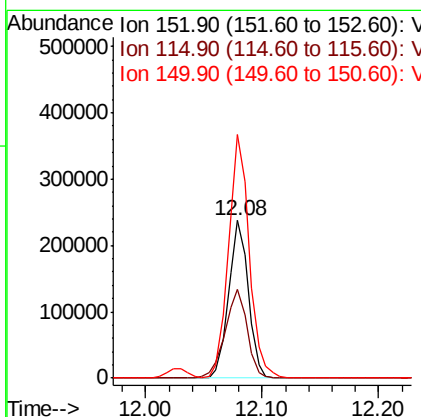
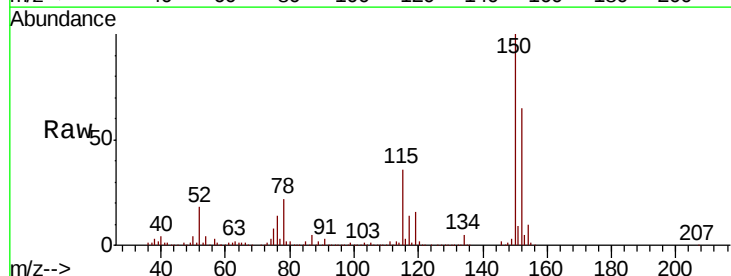
Manual Integrations
APPROVED

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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	39.0	117.0
150	162.3	0.0	351.0





#73

Isopropylbenzene

Concen: 19.04 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 105 Resp: 349006

Ion Ratio Lower Upper

105 100

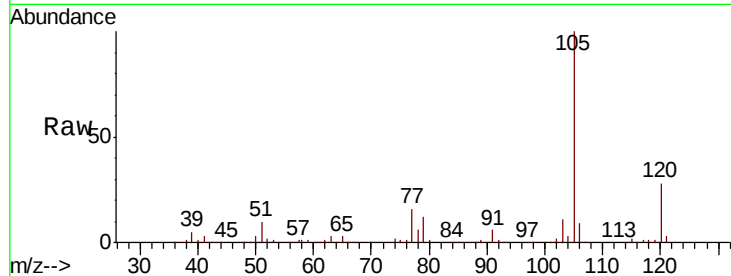
120 27.6 13.5 40.4

Manual Integrations

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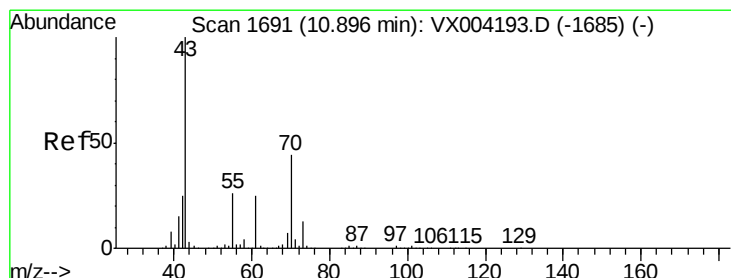
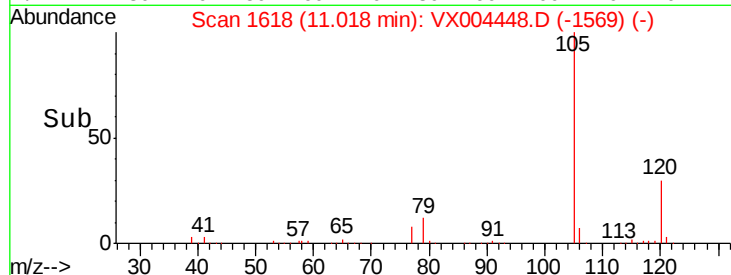
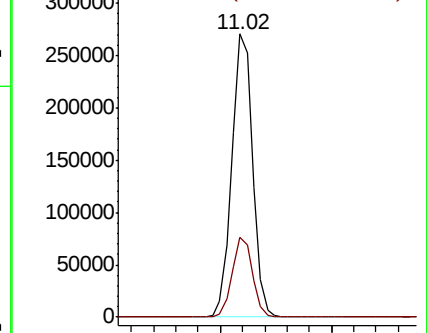
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.46 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Tgt Ion: 43 Resp: 130300

Ion Ratio Lower Upper

43 100

70 46.9 37.4 56.0

55 28.9 21.8 32.8

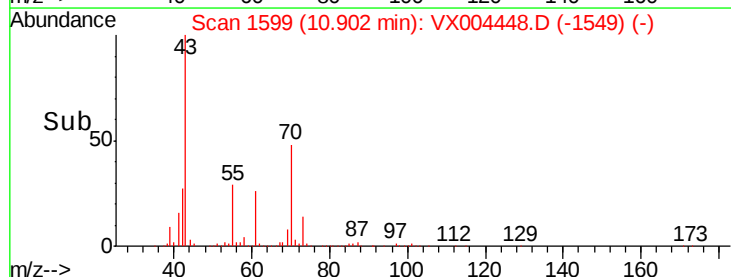
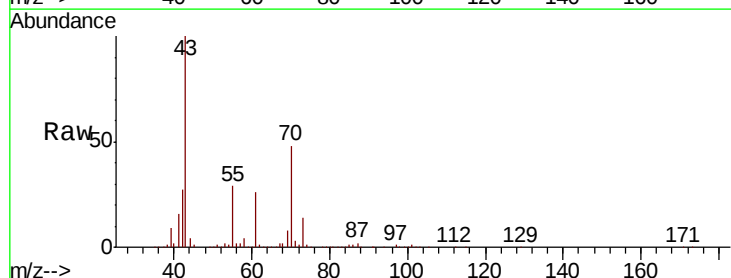
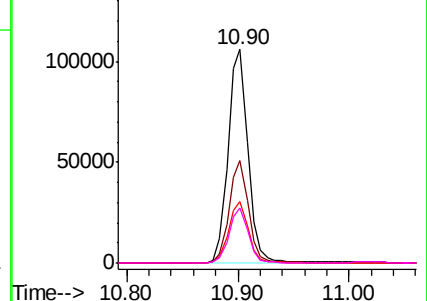
61 24.9 20.6 30.8

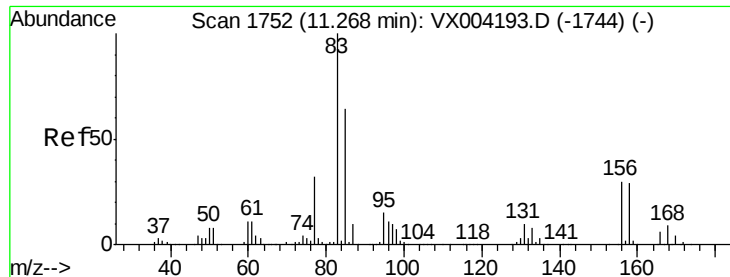
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.35 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

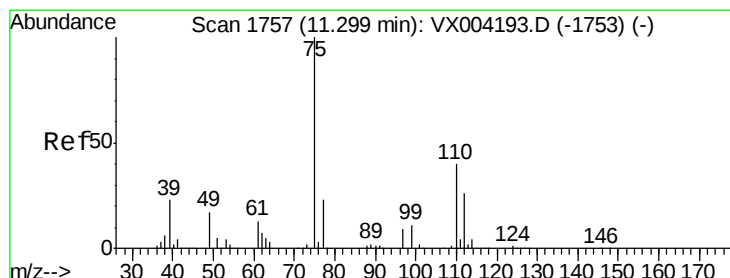
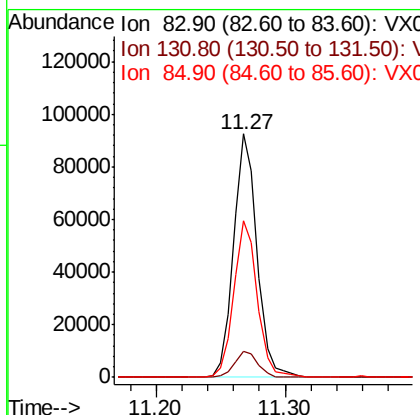
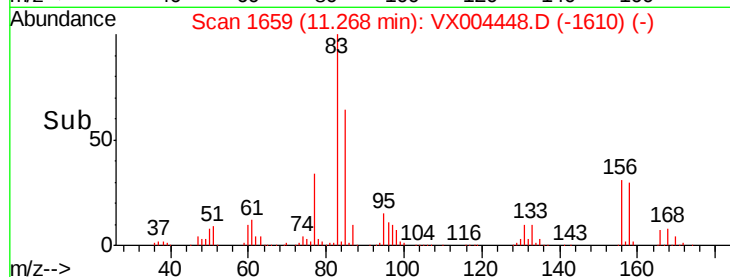
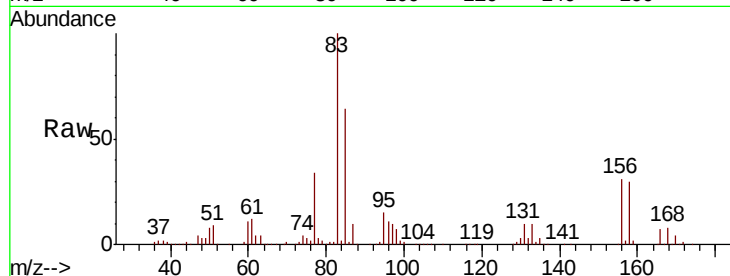
ClientSampleId :

VX0910WBSD01

Tot Ion:	83	Resp:	117722
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.39 ug/l m

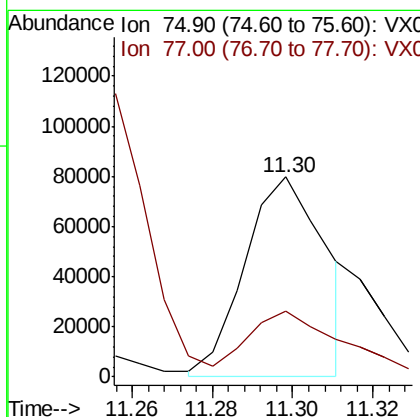
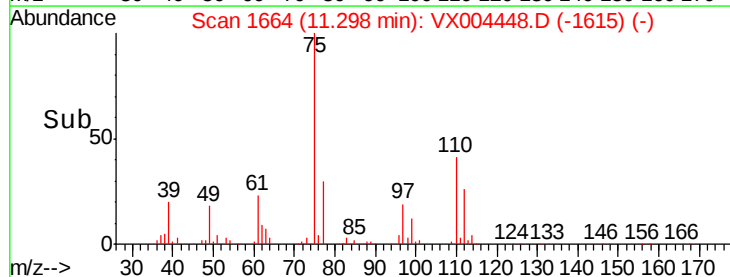
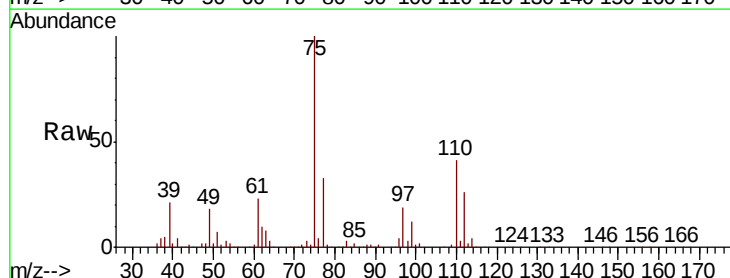
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Tgt Ion:	75	Resp:	110070
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.2	60.6





#77

Bromobenzene

Concen: 18.84 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion:156 Resp: 96843

Ion Ratio Lower Upper

156 100

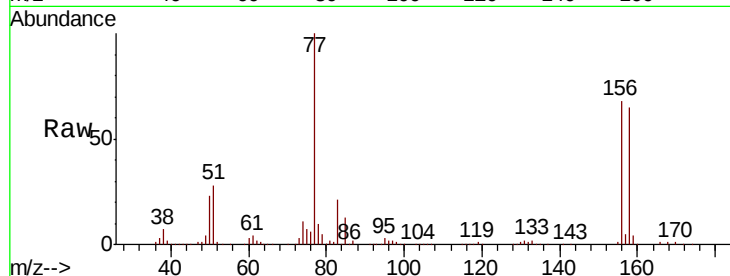
77 147.8 71.5 214.3

158 97.7 48.9 146.8

Manual Integrations
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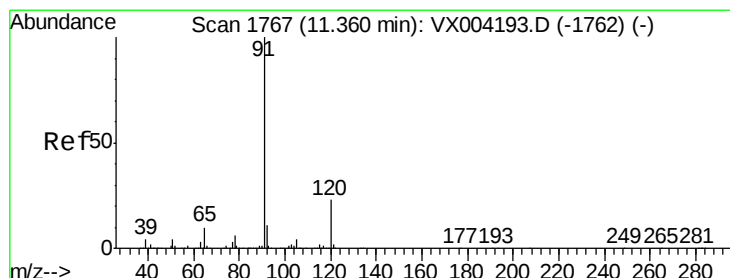
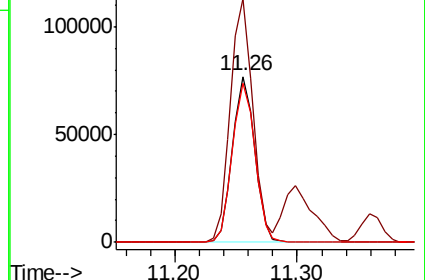
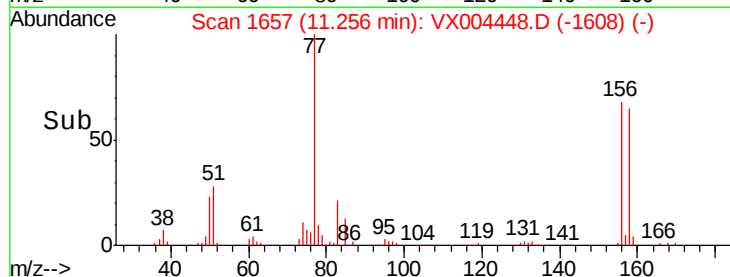
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.58 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004448.D

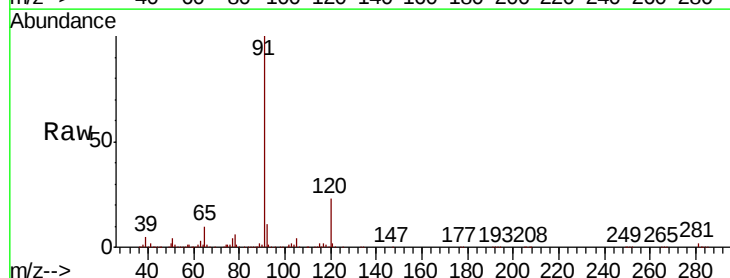
Acq: 10 Sep 2018 15:01

Tgt Ion: 91 Resp: 412685

Ion Ratio Lower Upper

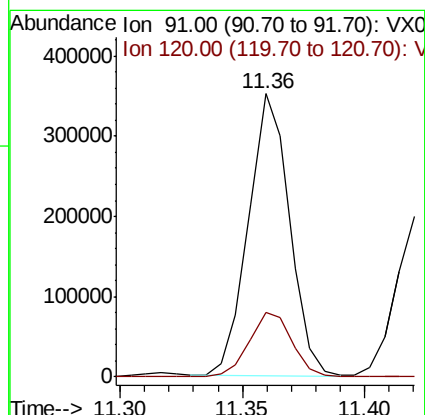
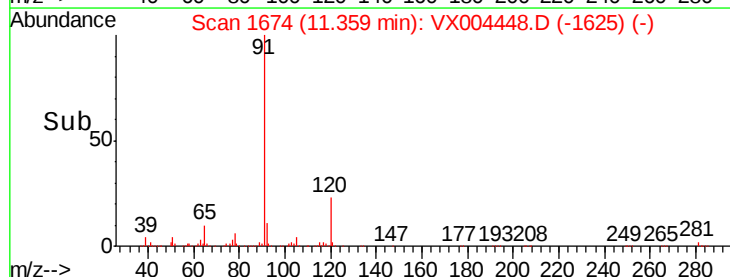
91 100

120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.07 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 91 Resp: 247445

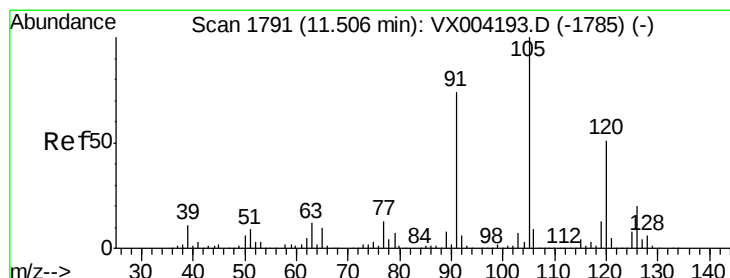
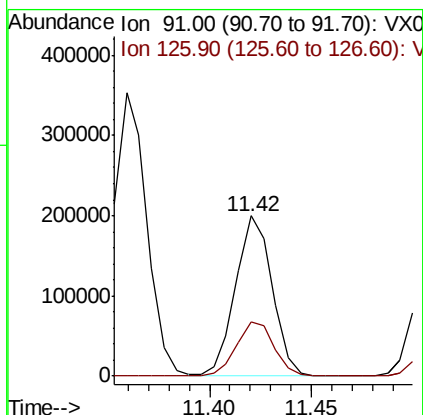
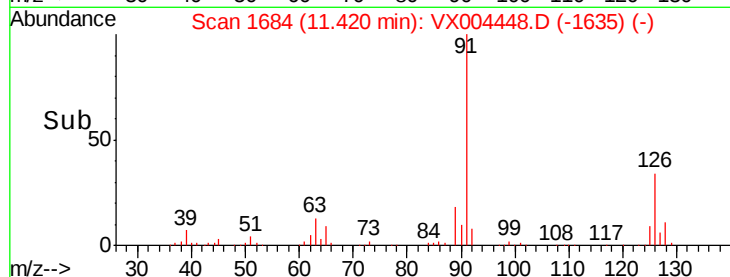
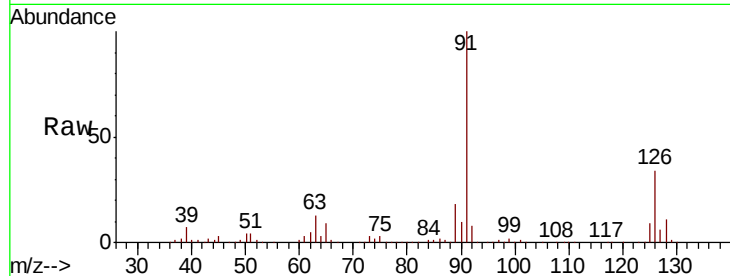
Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 19.64 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004448.D

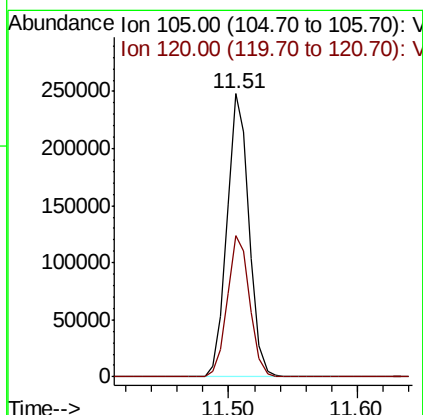
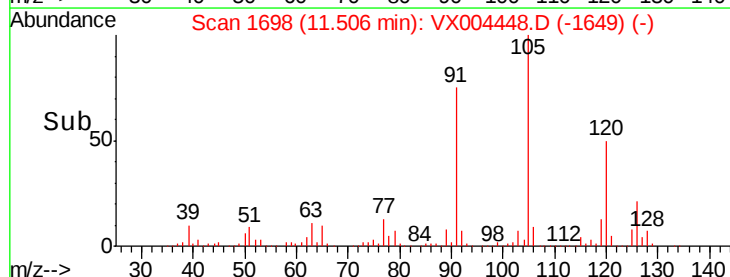
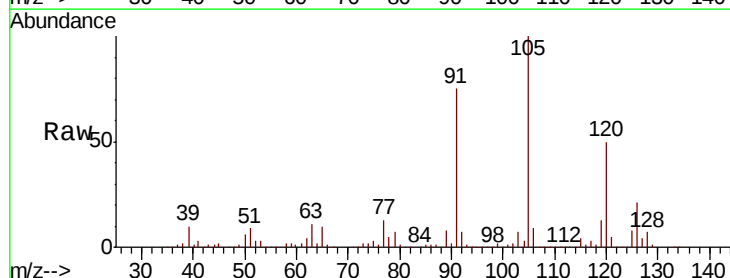
Acq: 10 Sep 2018 15:01

Tgt Ion: 105 Resp: 298142

Ion Ratio Lower Upper

105 100

120 50.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.40 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion: 75 Resp: 32191

Ion Ratio Lower Upper

75 100

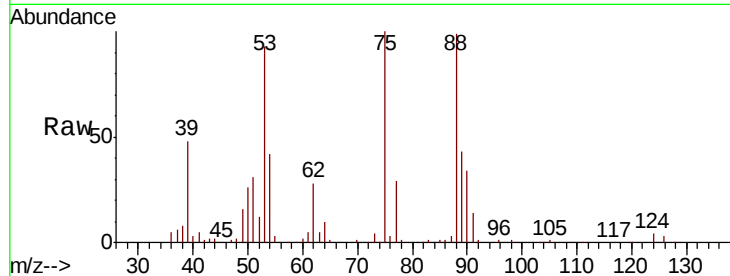
53 102.0 80.1 120.1

89 46.2 37.2 55.8

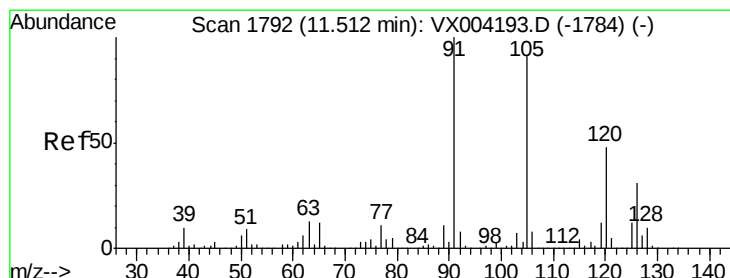
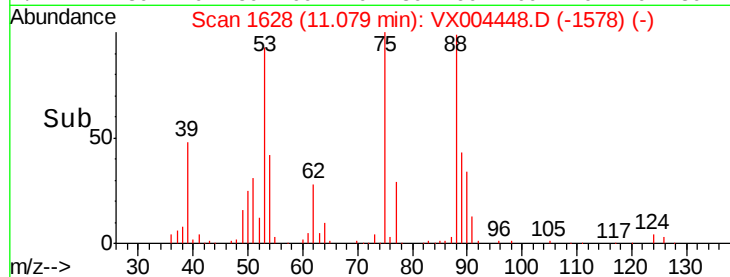
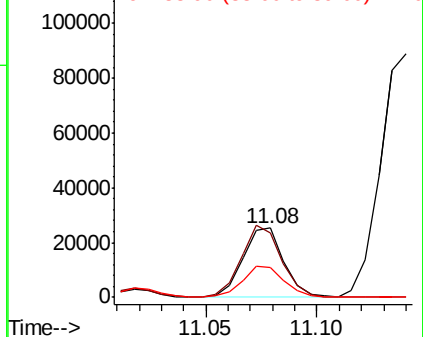
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.89 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004448.D

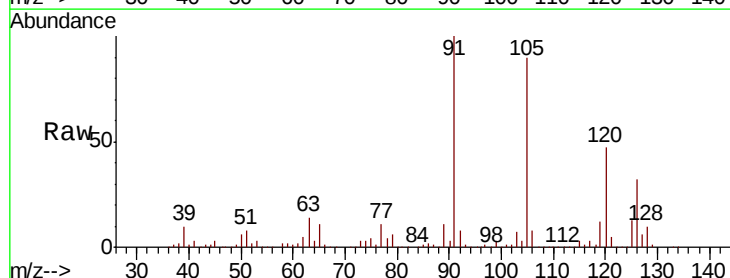
Acq: 10 Sep 2018 15:01

Tgt Ion: 91 Resp: 288450

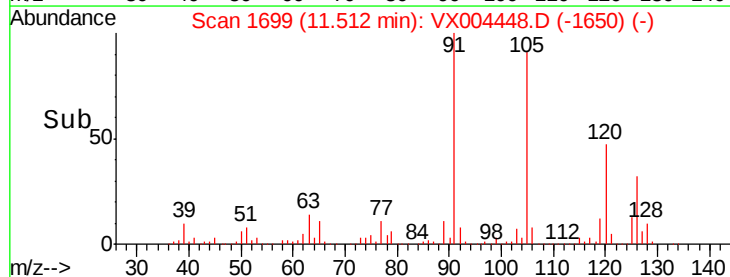
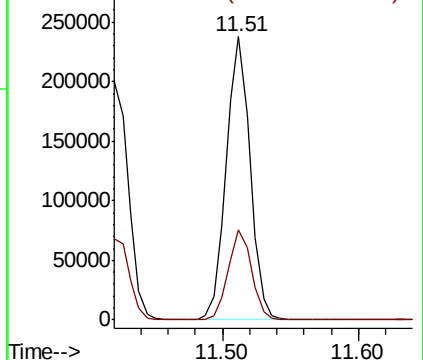
Ion Ratio Lower Upper

91 100

126 31.4 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





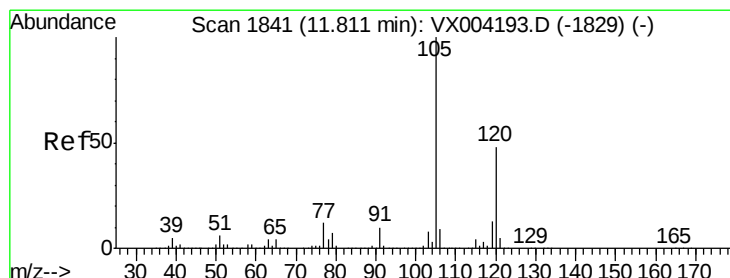
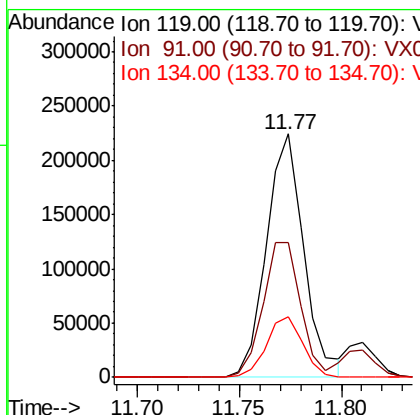
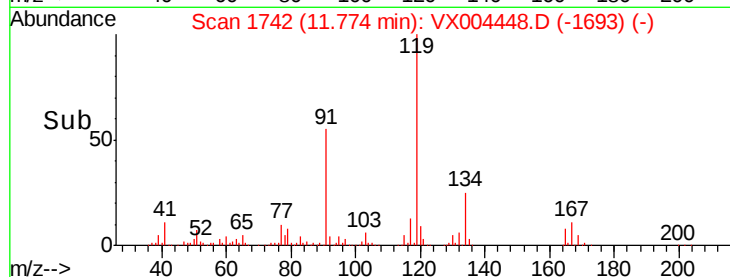
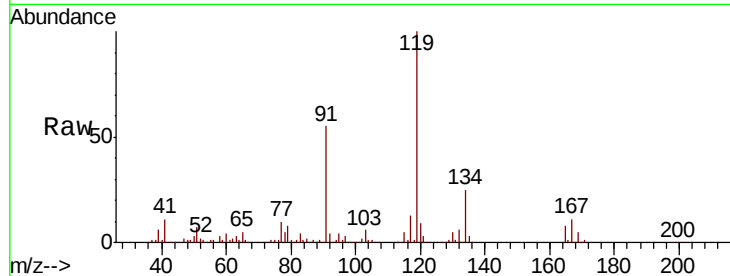
#83
 tert-Butylbenzene
 Concen: 18.78 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	27.0	81.0
134	24.6	11.7	35.1

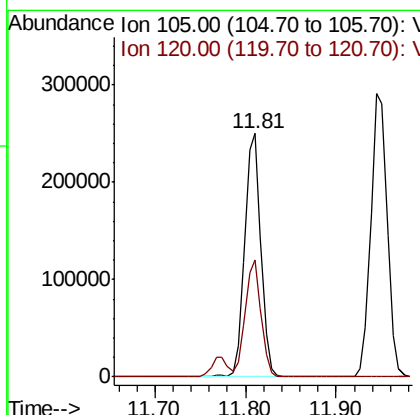
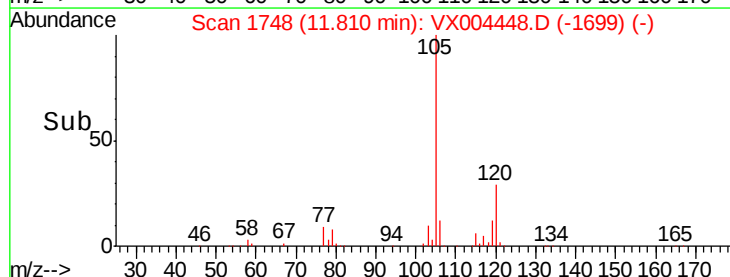
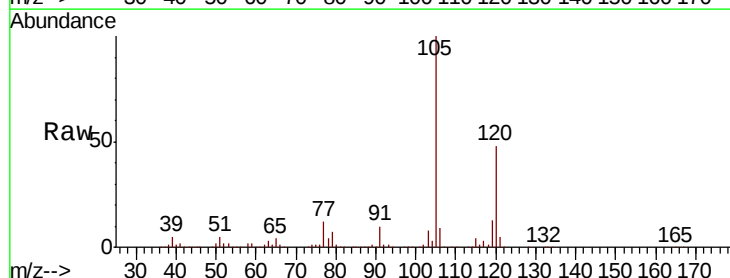
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.88 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.17 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

VX0910WBSD01

Tot Ion:105 Resp: 365746

Ion Ratio Lower Upper

105 100

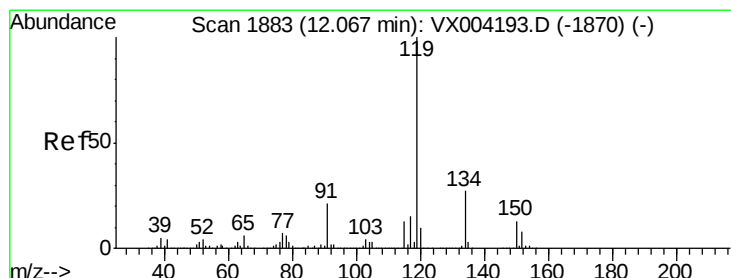
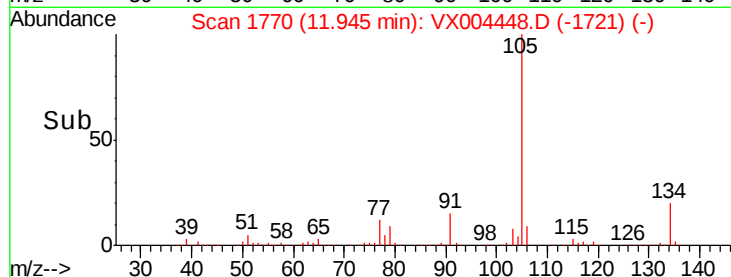
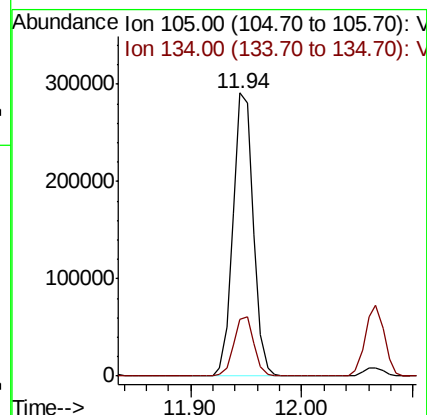
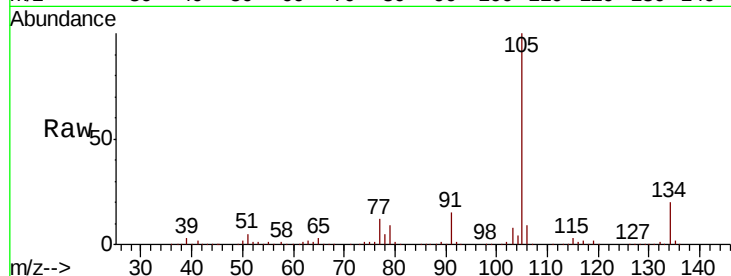
134 20.9 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.18 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004448.D

Acq: 10 Sep 2018 15:01

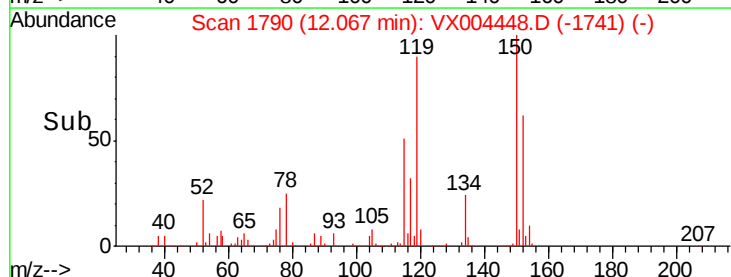
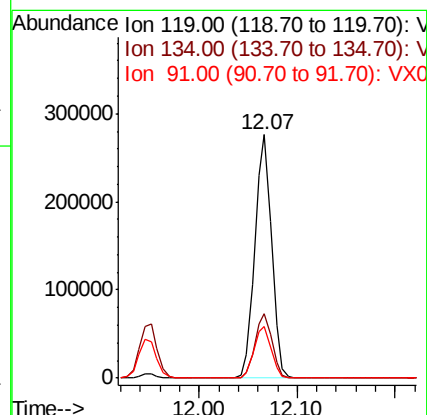
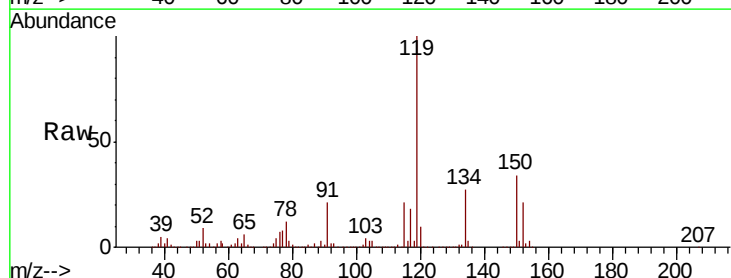
Tgt Ion:119 Resp: 327860

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.8 10.9 32.7





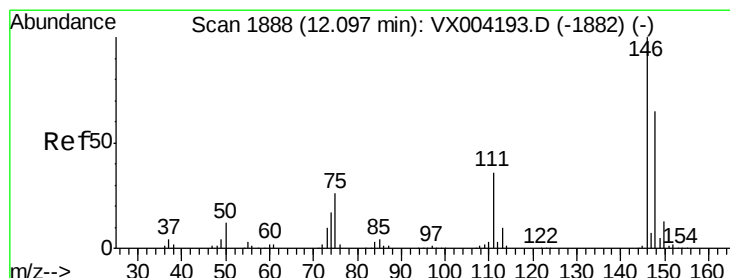
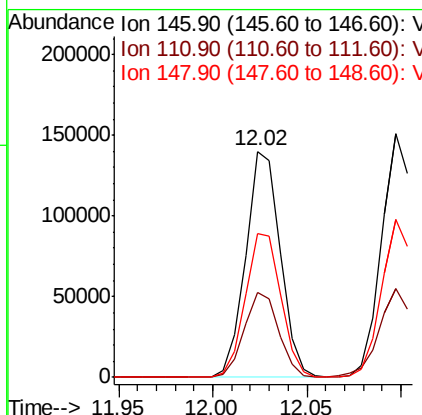
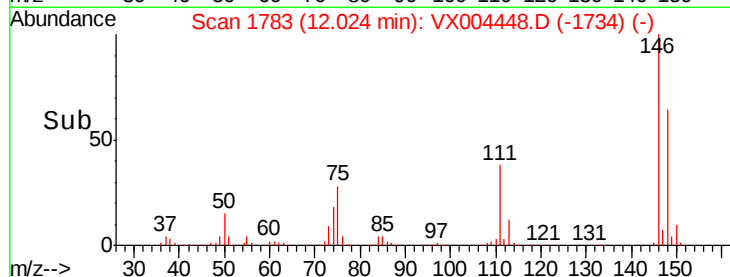
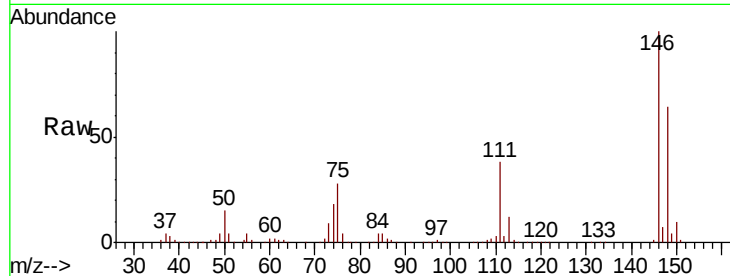
#87
 1,3-Dichlorobenzene
 Concen: 18.45 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	65.6	32.1	96.5

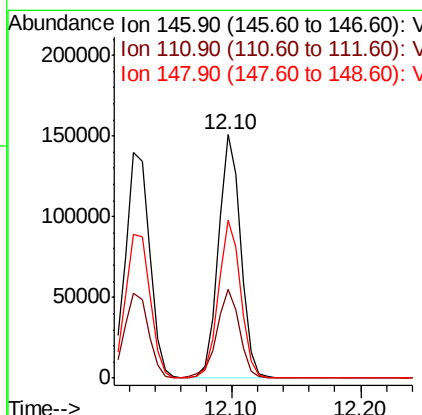
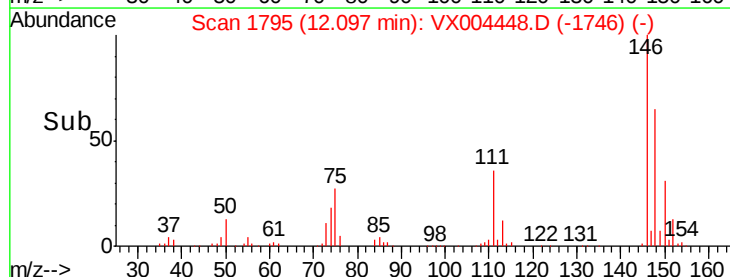
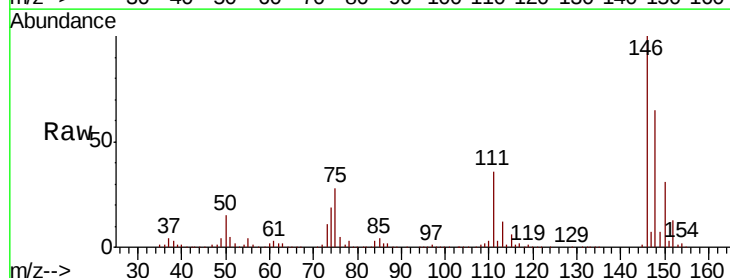
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#88
 1,4-Dichlorobenzene
 Concen: 18.00 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	64.5	32.0	96.0





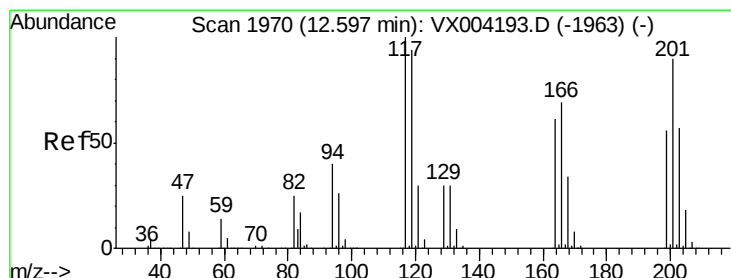
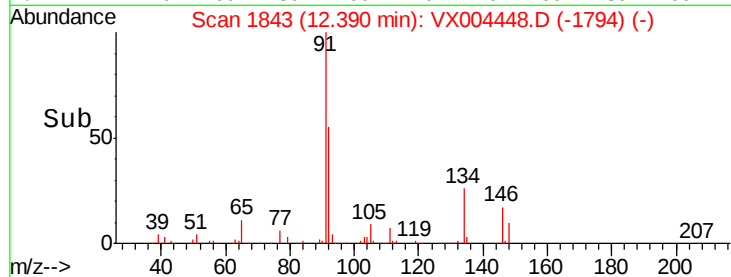
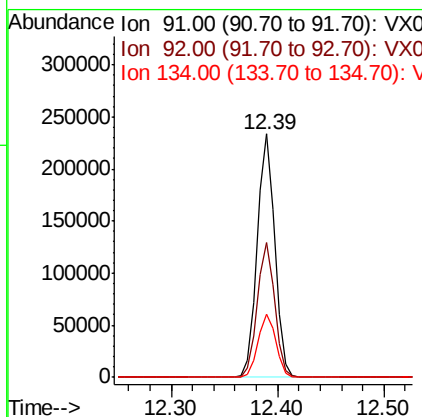
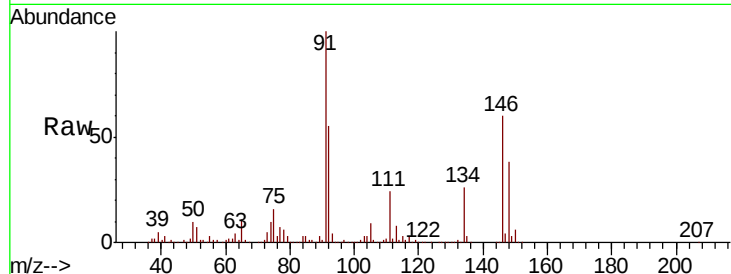
#89
n-Butylbenzene
Concen: 20.53 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.3	81.9
134	26.5	13.6	40.7

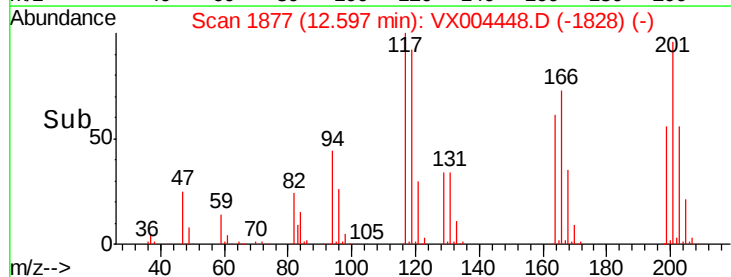
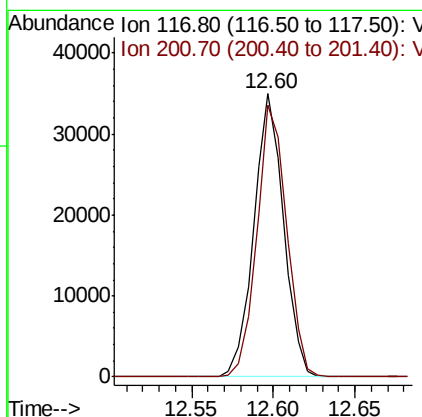
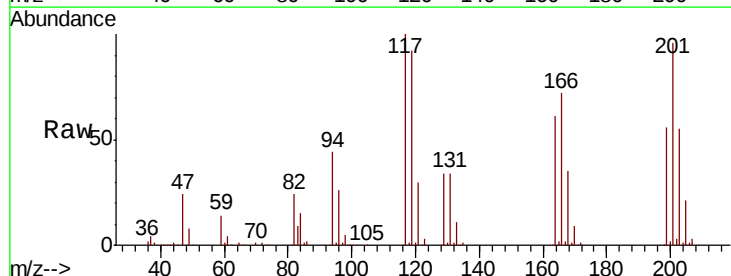
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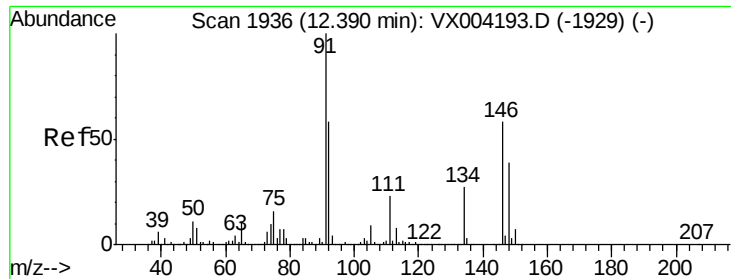
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#90
Hexachloroethane
Concen: 19.57 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	46.9	140.6





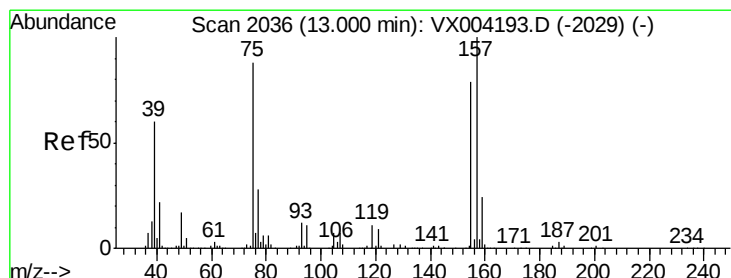
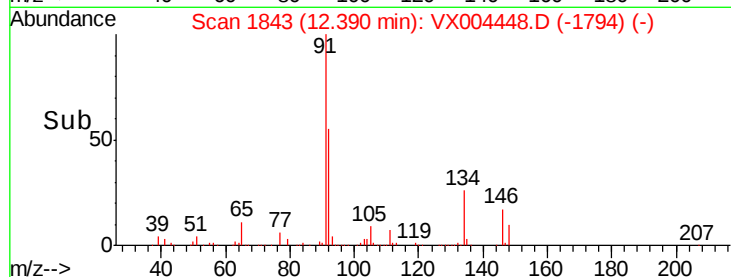
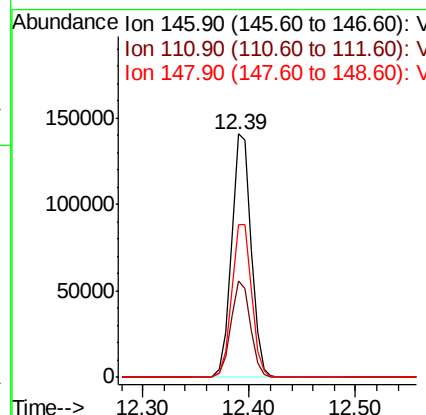
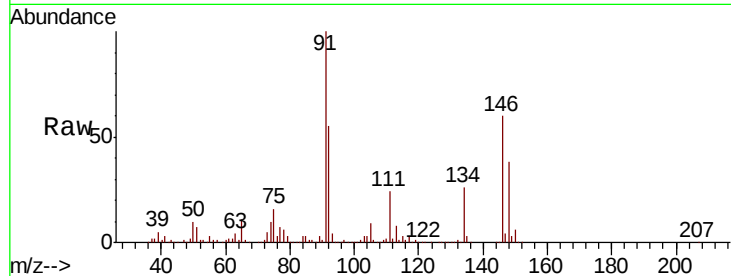
#91
 1,2-Dichlorobenzene
 Concen: 20.56 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181867		
111	39.1	19.4	58.1	
148	63.8	32.8	98.3	

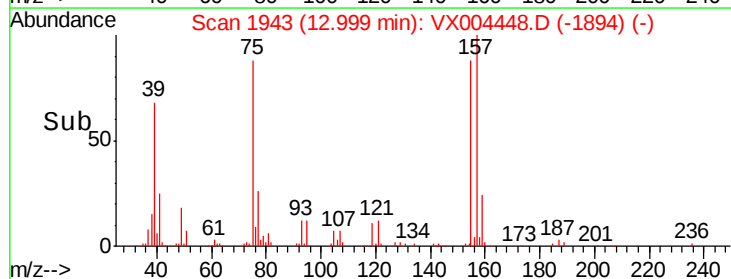
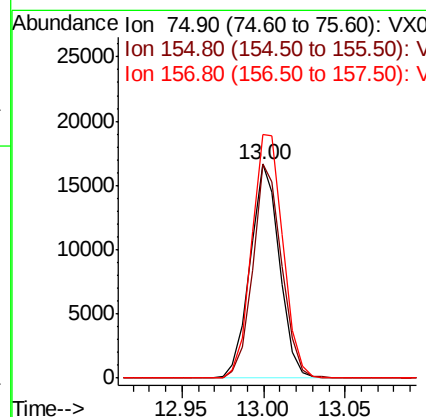
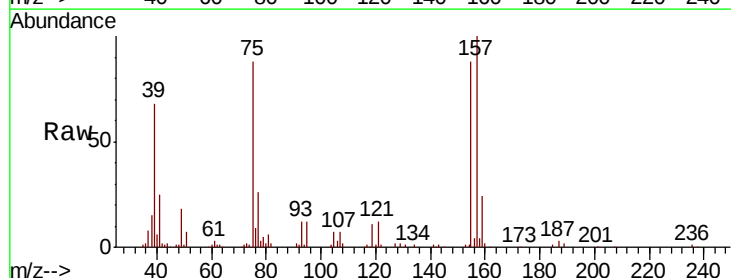
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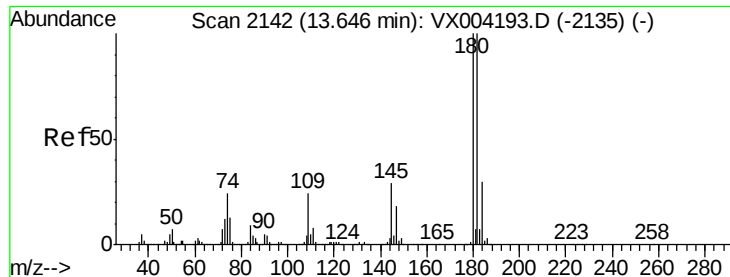
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.52 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20924		
155	98.1	48.0	144.2	
157	120.8	61.4	184.1	





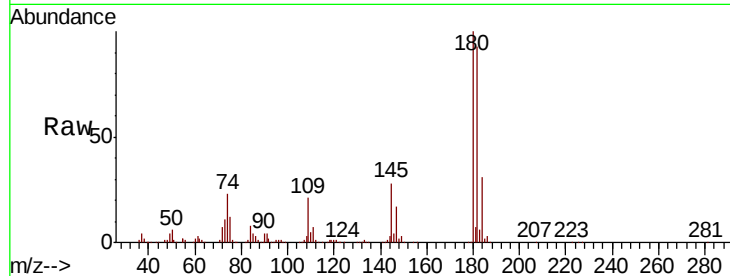
#93
 1,2,4-Trichlorobenzene
 Concen: 19.90 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910WBSD01

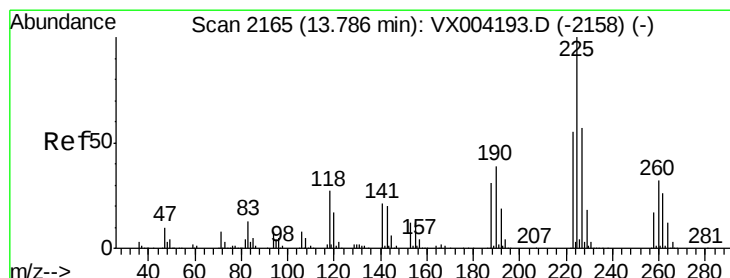
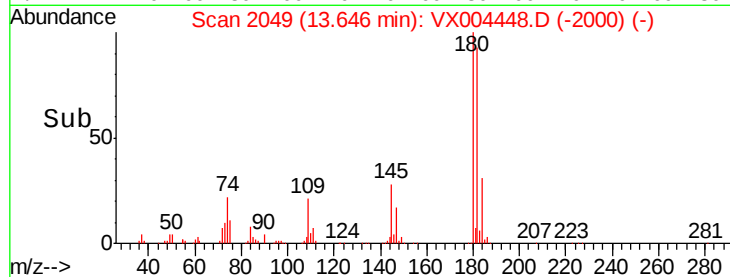
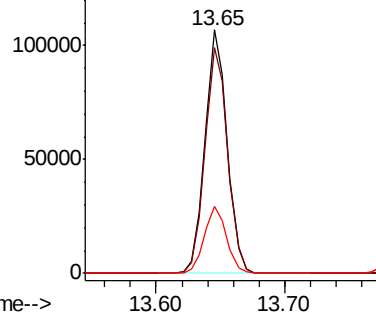
Tot Ion	Ratio	Resp	Lower	Upper
180	100	128065		
182	94.5	48.4	145.0	
145	27.6	14.3	42.9	

Manual Integrations
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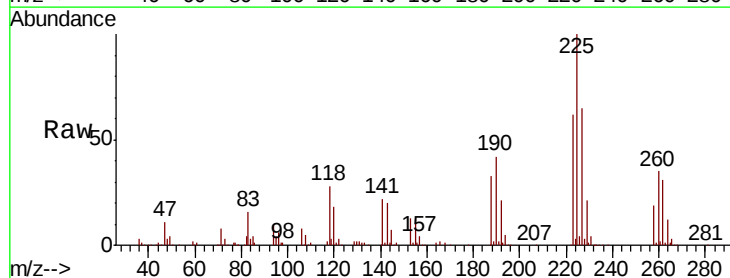


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

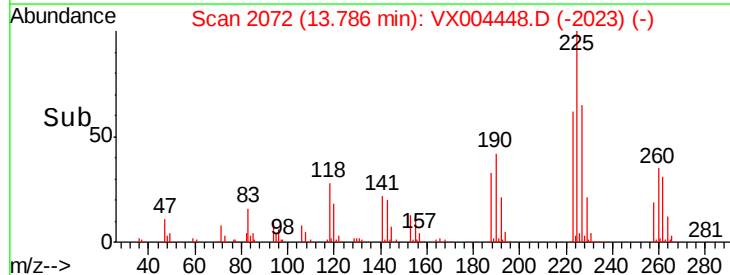
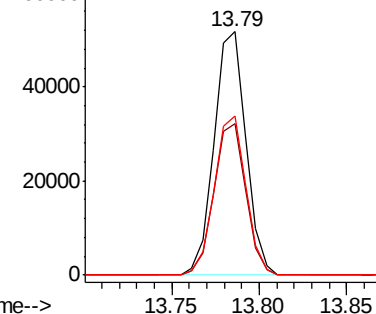


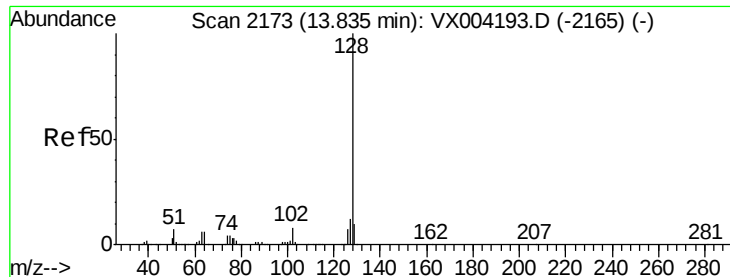
#94
 Hexachlorobutadiene
 Concen: 21.75 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004448.D
 Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65367		
223	62.4	30.1	90.5	
227	64.7	30.8	92.4	



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





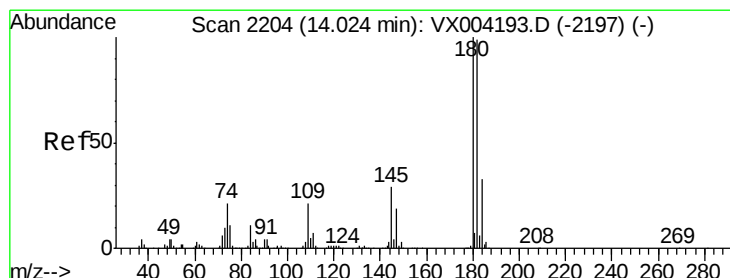
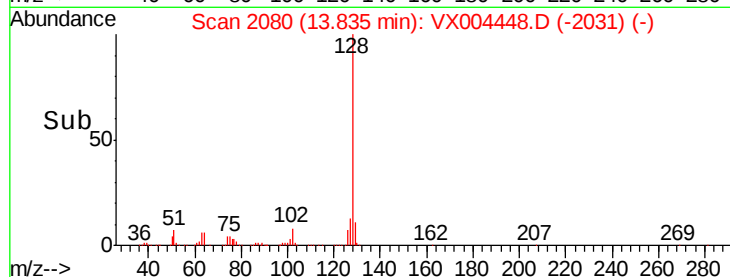
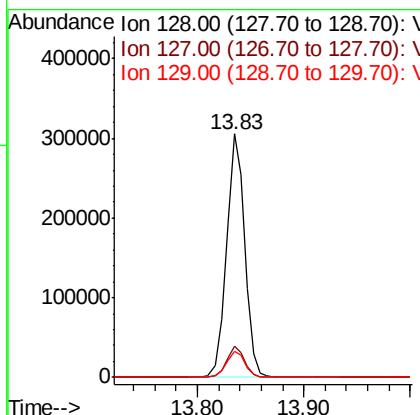
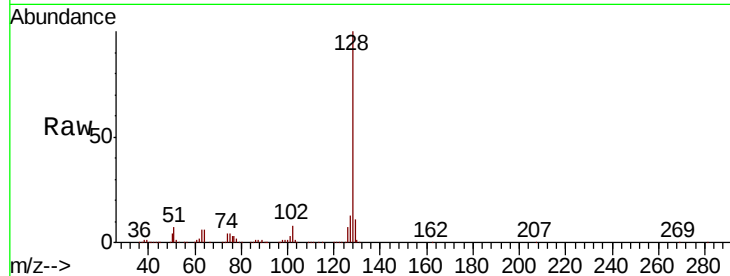
#95
Naphthalene
Concen: 20.06 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Instrument :
MSVOA_X
ClientSampleId :
VX0910WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	365172		
127	12.6	10.2	15.2	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/11/2018 3:06:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.66 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004448.D
Acq: 10 Sep 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133935		
182	94.5	48.5	145.6	
145	29.4	14.9	44.9	

