

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121318\
 Data File : VX006494.D
 Acq On : 13 Dec 2018 14:51
 Operator : JC/MD
 Sample : VX1213WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Dec 14 00:45:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

12/14/2018 9:35:04 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	519081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	834346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	764682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	400102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	284353	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	5.50	113	261257	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	8.71	98	950363	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.13	95	367509	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	105024	20.664	ug/l	100
3) Chloromethane	1.33	50	113983	21.823	ug/l	99
4) Vinyl Chloride	1.41	62	123371	21.947	ug/l	96
5) Bromomethane	1.64	94	112952	28.994	ug/l	97
6) Chloroethane	1.73	64	78060	22.648	ug/l	100
7) Trichlorofluoromethane	1.93	101	192227	22.277	ug/l	100
8) Diethyl Ether	2.19	74	75256	23.044	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	110970	22.617	ug/l	96
10) Methyl Iodide	2.51	142	155955	21.091	ug/l	99
11) Tert butyl alcohol	3.07	59	154336	106.501	ug/l	99
12) 1,1-Dichloroethene	2.38	96	105114	22.379	ug/l	89
13) Acrolein	2.29	56	89675	113.218	ug/l	96
14) Allyl chloride	2.73	41	177390	19.119	ug/l	99
15) Acrylonitrile	3.15	53	322630	106.689	ug/l	100
16) Acetone	2.45	43	269113	108.218	ug/l	98
17) Carbon Disulfide	2.57	76	263694	18.219	ug/l	100
18) Methyl Acetate	2.78	43	171893	20.669	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	365292	21.801	ug/l	98
20) Methylene Chloride	2.86	84	117636	22.227	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	113035	22.583	ug/l	92
22) Diisopropyl ether	3.87	45	324094	22.363	ug/l	98
23) Vinyl Acetate	3.82	43	1314196	106.319	ug/l	99
24) 1,1-Dichloroethane	3.70	63	196047	23.667	ug/l	99
25) 2-Butanone	4.70	43	397758	112.099	ug/l	99
26) 2,2-Dichloropropane	4.59	77	142607	18.654	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	129407	23.178	ug/l	97
28) Bromochloromethane	5.02	49	74188	20.504	ug/l	94
29) Tetrahydrofuran	5.15	42	267499	108.473	ug/l	96
30) Chloroform	5.22	83	201328	23.128	ug/l	94
31) Cyclohexane	5.58	56	173601	22.677	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	177821	21.470	ug/l	99
36) 1,1-Dichloropropene	5.80	75	149486	21.276	ug/l	98
37) Ethyl Acetate	4.85	43	153271	19.480	ug/l	98
38) Carbon Tetrachloride	5.78	117	151708	18.354	ug/l	99

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Manual Integrations
 APPROVED

MMDadoda

Quant Time: Dec 14 00:45:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190035	20.837	ug/l	98
40) Benzene	6.14	78	455048	21.624	ug/l	98
41) Methacrylonitrile	5.06	41	84155	19.437	ug/l	97
42) 1,2-Dichloroethane	6.20	62	150838	21.901	ug/l	99
43) Isopropyl Acetate	6.46	43	240543	18.336	ug/l	98
44) Trichloroethene	7.21	130	132507	20.785	ug/l	95
45) 1,2-Dichloropropane	7.52	63	108611	20.308	ug/l	98
46) Dibromomethane	7.66	93	81105	20.997	ug/l	94
47) Bromodichloromethane	7.90	83	135071	18.057	ug/l	98
48) Methyl methacrylate	7.77	41	121941	19.107	ug/l	96
49) 1,4-Dioxane	7.75	88	70359	447.304	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	781067	102.275	ug/l	99
52) Toluene	8.79	92	297516	21.490	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	148102	16.930	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164508	18.110	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	124022	22.051	ug/l	97
56) Ethyl methacrylate	9.18	69	175660	19.978	ug/l	98
57) 1,3-Dichloropropane	9.37	76	191761	21.561	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	416879	93.431	ug/l	99
59) 2-Hexanone	9.49	43	600606	102.938	ug/l	99
60) Dibromochloromethane	9.59	129	116109	16.741	ug/l	99
61) 1,2-Dibromoethane	9.67	107	132353	21.045	ug/l	98
64) Tetrachloroethene	9.34	164	125393	21.774	ug/l	95
65) Chlorobenzene	10.14	112	347758	21.424	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	117589	18.644	ug/l	99
67) Ethyl Benzene	10.25	91	575227	21.306	ug/l	98
68) m/p-Xylenes	10.36	106	459024	42.445	ug/l	99
69) o-Xylene	10.70	106	228902	21.428	ug/l	100
70) Styrene	10.71	104	360590	20.871	ug/l	99
71) Bromoform	10.86	173	82867	13.919	ug/l #	100
73) Isopropylbenzene	11.02	105	592741	21.452	ug/l	100
74) N-amyl acetate	10.90	43	221968	18.655	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	183198	20.725	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	169773m	21.984	ug/l	
77) Bromobenzene	11.26	156	157879	20.589	ug/l	96
78) n-propylbenzene	11.36	91	653369	21.273	ug/l	99
79) 2-Chlorotoluene	11.42	91	391876	21.467	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	498194	21.671	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	43679	13.273	ug/l #	80
82) 4-Chlorotoluene	11.51	91	450486	21.225	ug/l	99
83) tert-Butylbenzene	11.77	119	512015	20.874	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	512278	21.580	ug/l	100
85) sec-Butylbenzene	11.94	105	605684	21.705	ug/l	100
86) p-Isopropyltoluene	12.06	119	531645	21.158	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	286472	20.996	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	288518	20.834	ug/l	99
89) n-Butylbenzene	12.38	91	441848	20.609	ug/l	99
90) Hexachloroethane	12.60	117	79799	15.582	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	291071	21.495	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36961	16.311	ug/l	95

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Manual Integrations
APPROVED

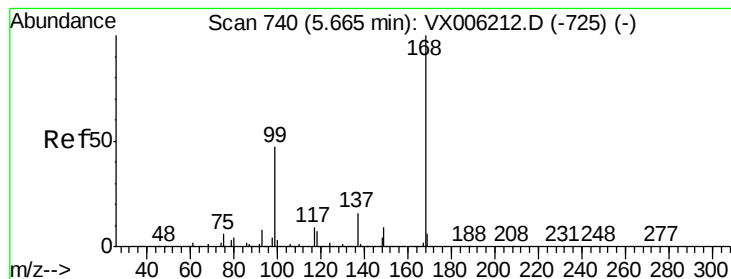
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Quant Time: Dec 14 00:45:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	198785	20.122	ug/l	99
94) Hexachlorobutadiene	13.78	225	87474	20.022	ug/l	99
95) Naphthalene	13.83	128	647974	21.086	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	201646	20.608	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion:168 Resp: 519081

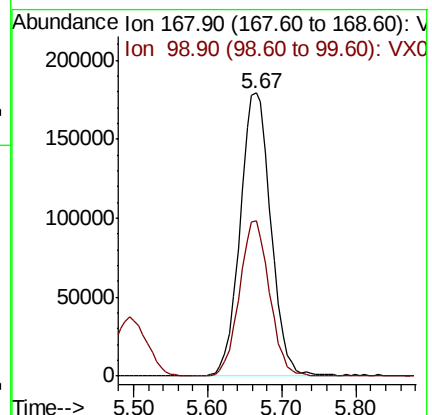
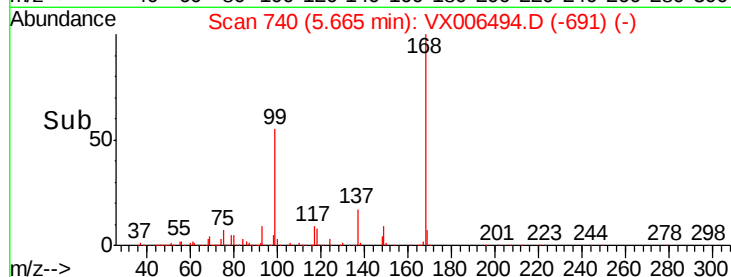
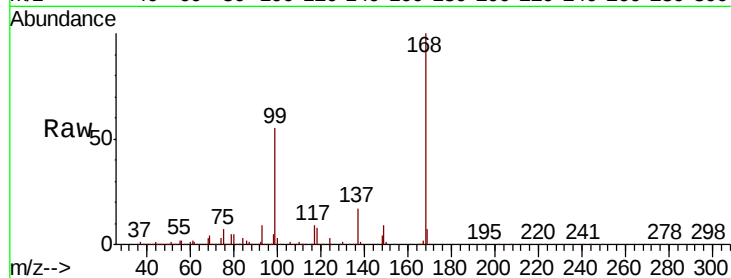
Ion Ratio Lower Upper

168 100

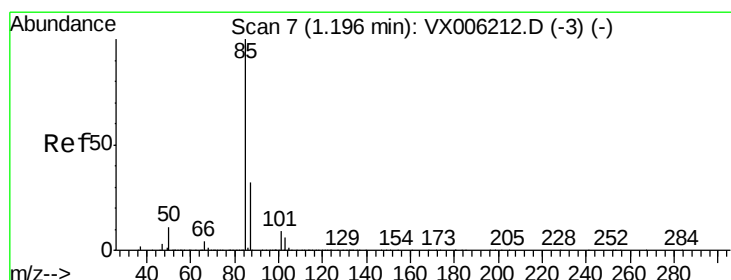
99 54.6 37.8 56.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.664 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006494.D

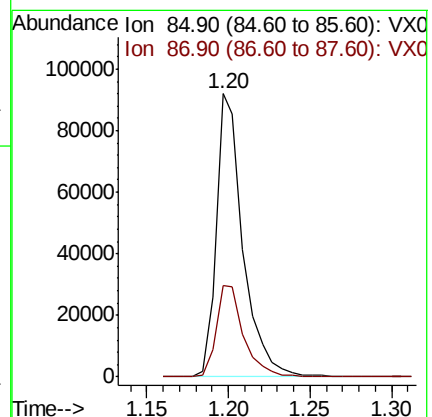
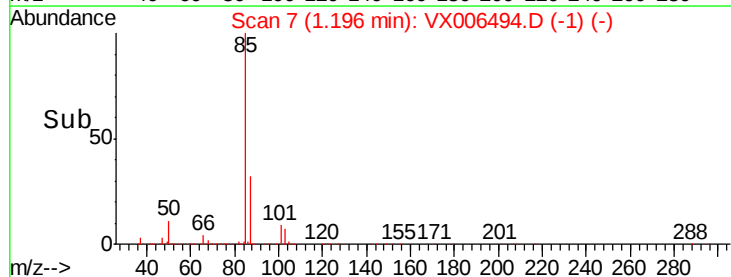
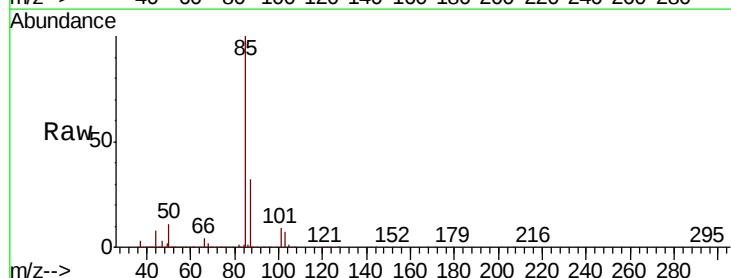
Acq: 13 Dec 2018 14:51

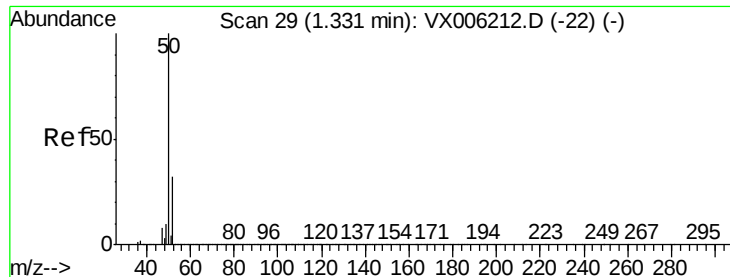
Tgt Ion: 85 Resp: 105024

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2





#3
Chloromethane
Concen: 21.823 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

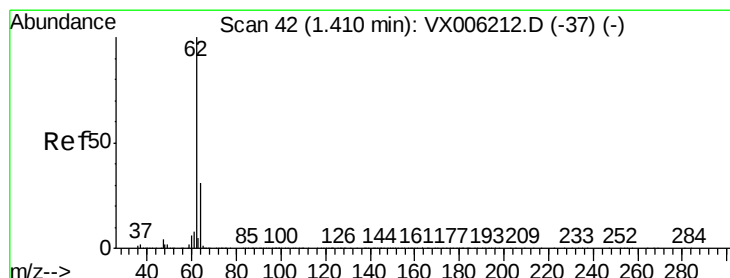
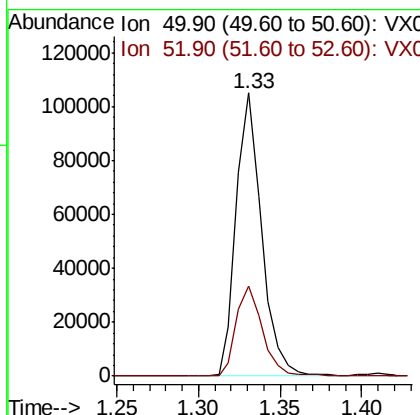
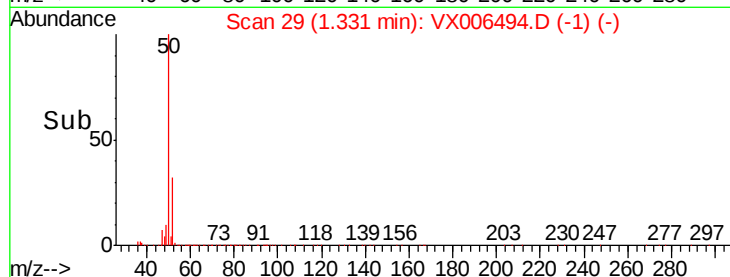
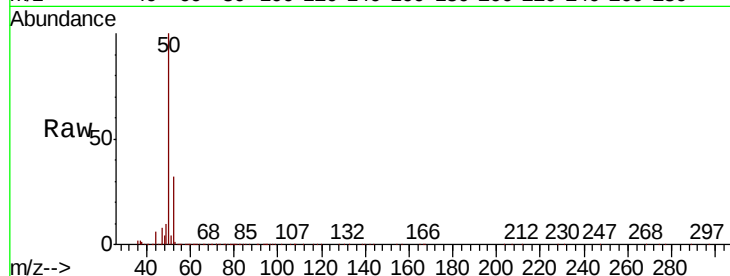
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.2	37.8

Manual Integrations
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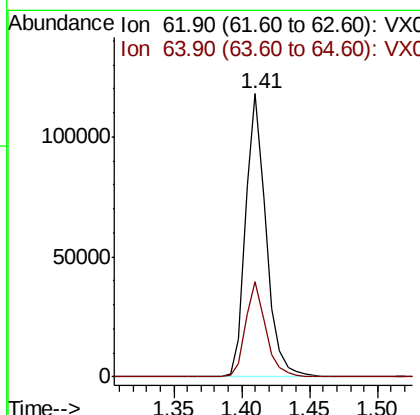
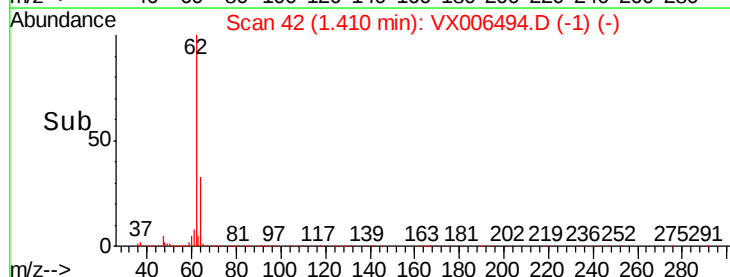
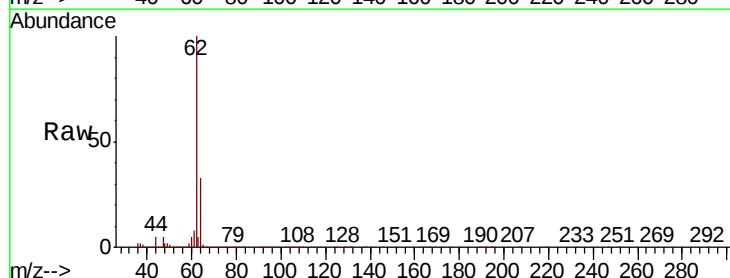
MMDadoda

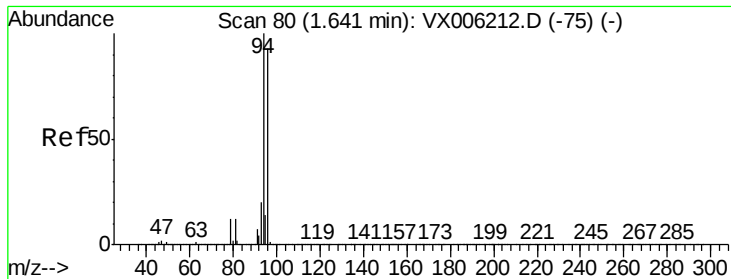
12/14/2018 9:35:04 AM



#4
Vinyl Chloride
Concen: 21.947 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3





#5

Bromomethane

Concen: 28.994 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion: 94 Resp: 112952

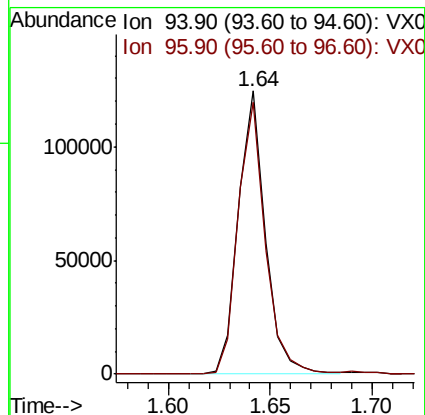
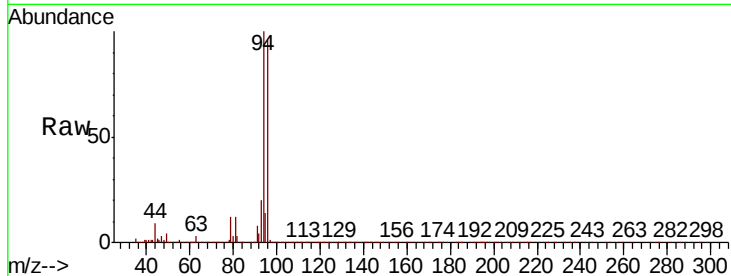
Ion Ratio Lower Upper

94 100

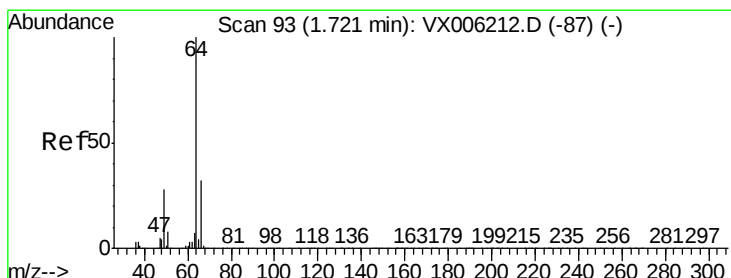
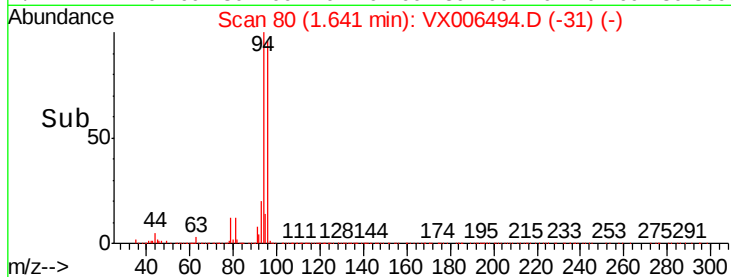
96 96.0 74.5 111.7

Manual Integrations
APPROVED

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12/14/2018 9:35:04 AM



#6

Chloroethane

Concen: 22.648 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006494.D

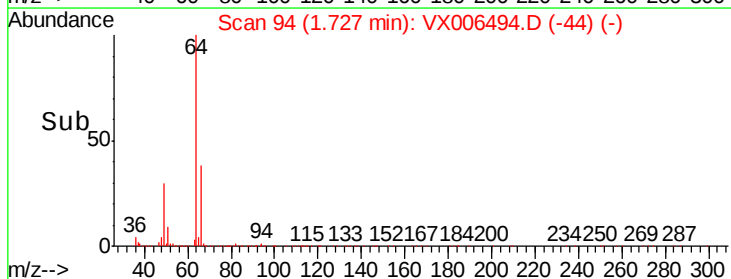
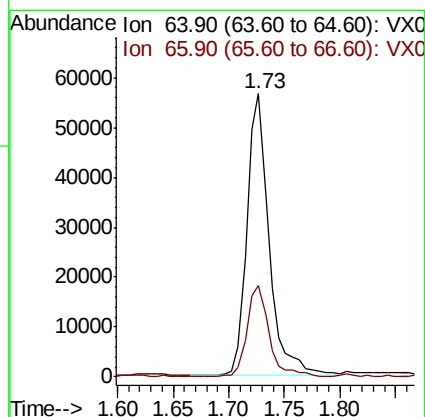
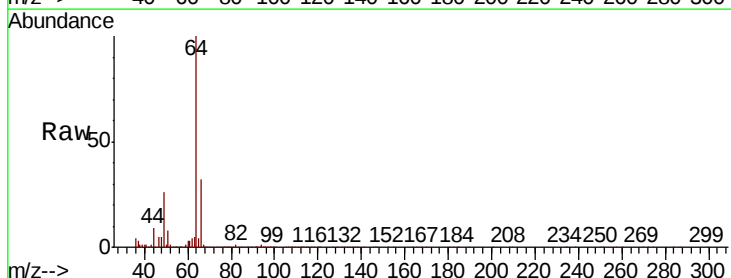
Acq: 13 Dec 2018 14:51

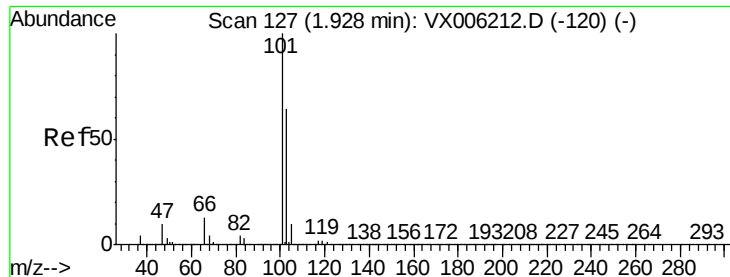
Tgt Ion: 64 Resp: 78060

Ion Ratio Lower Upper

64 100

66 32.1 25.9 38.9





#7

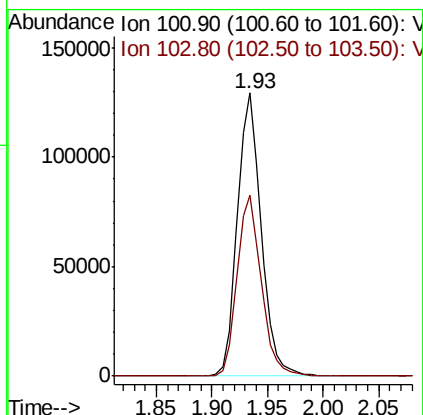
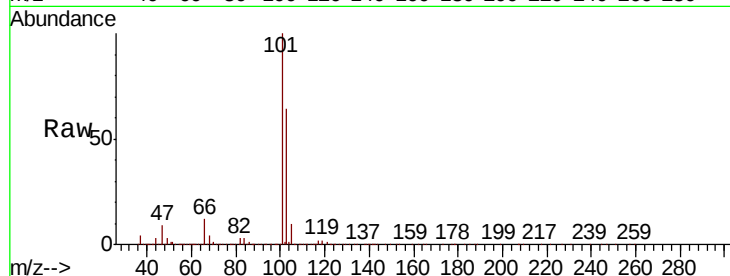
Trichlorofluoromethane
Concen: 22.277 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

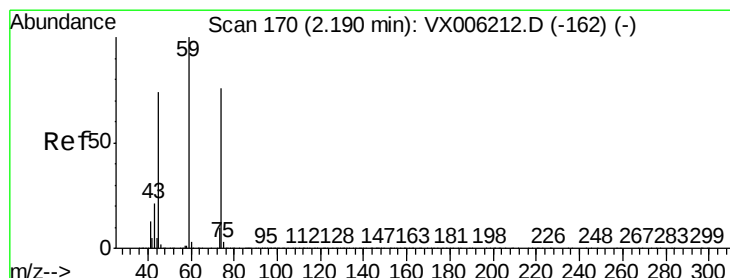
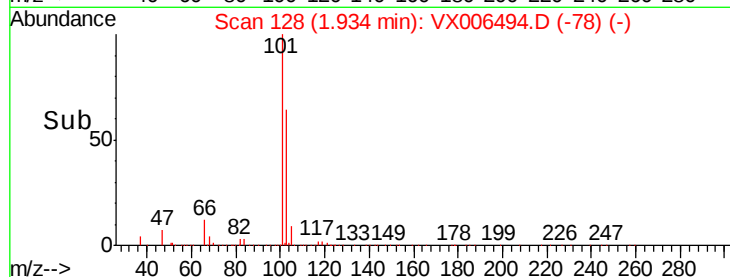
Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.4

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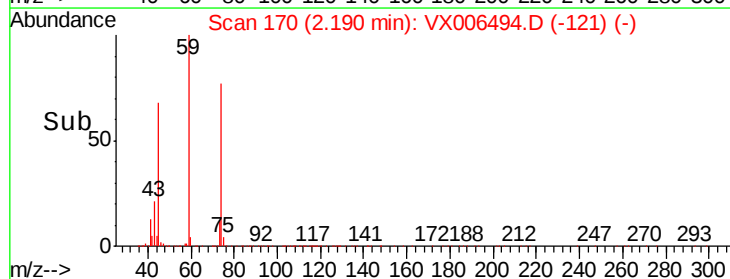
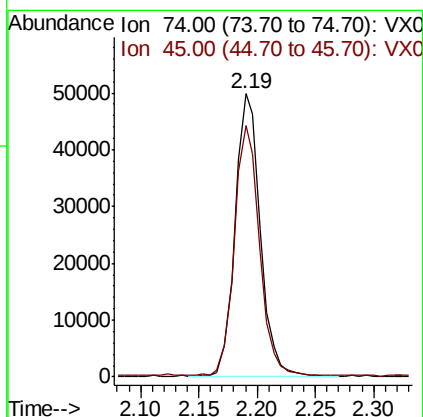
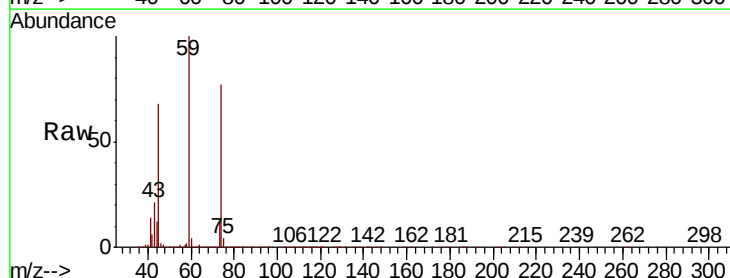
12/14/2018 9:35:04 AM

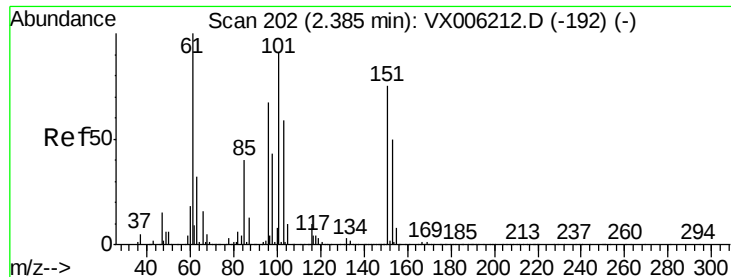


#8

Diethyl Ether
Concen: 23.044 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.9	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.617 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

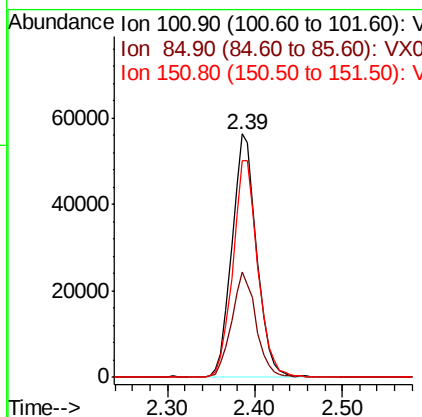
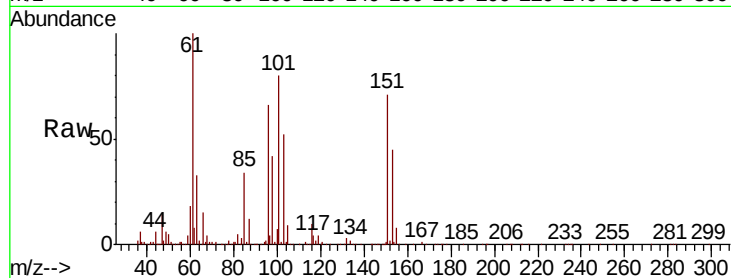
ClientSampleId :

VX1213WBSD01

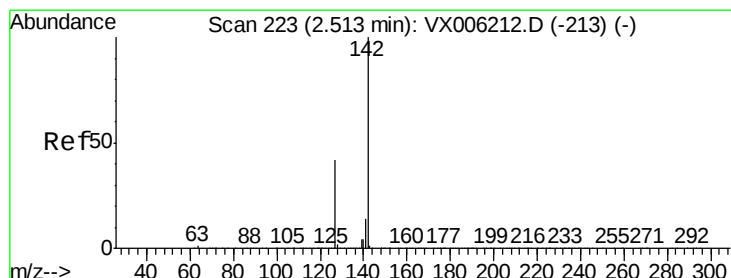
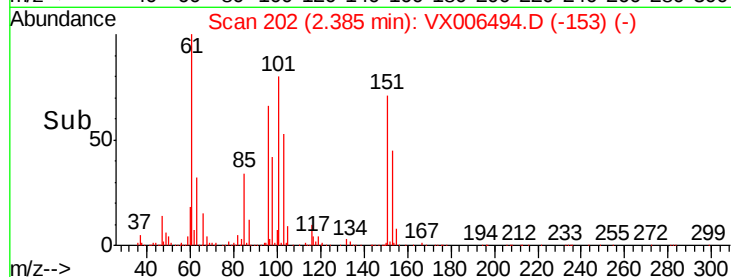
Tot Ion:	101	Resp:	110970
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.5	53.3
151	90.0	68.6	103.0

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#10

Methyl Iodide

Concen: 21.091 ug/l

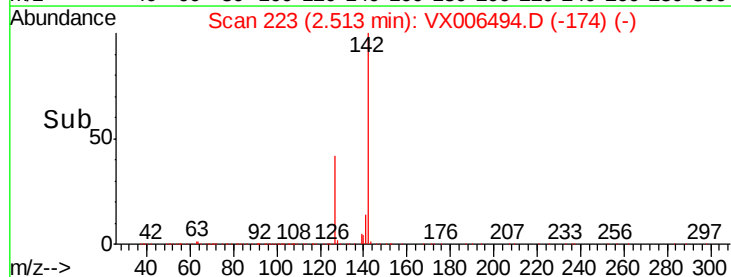
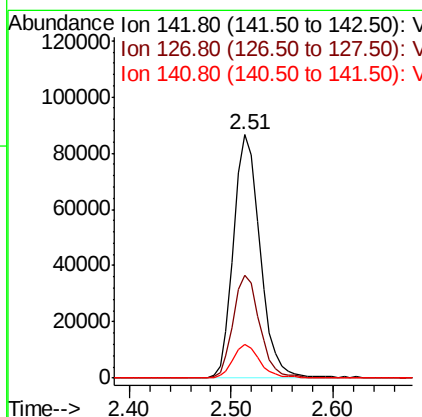
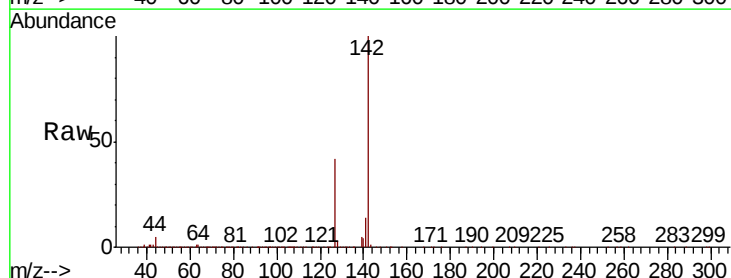
RT: 2.51 min Scan# 223

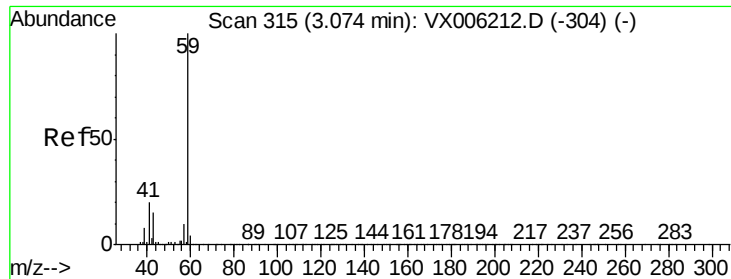
Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tgt Ion:	142	Resp:	155955
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.8	52.2
141	14.3	11.4	17.2





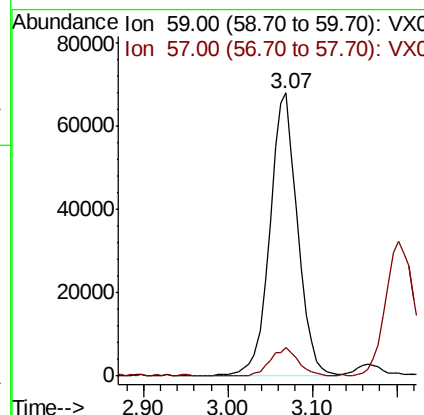
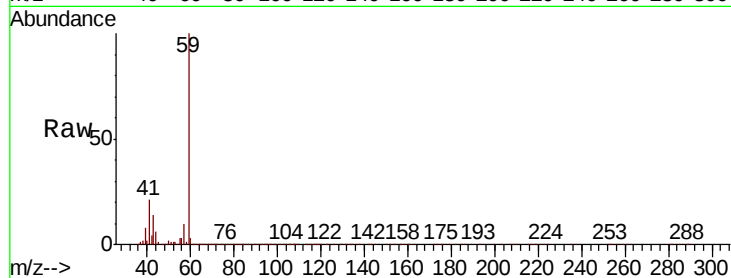
#11
Tert butyl alcohol
Concen: 106.501 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

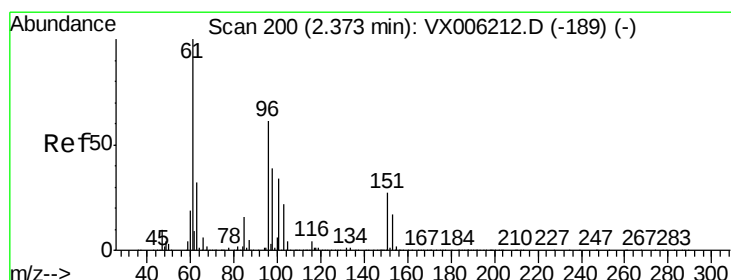
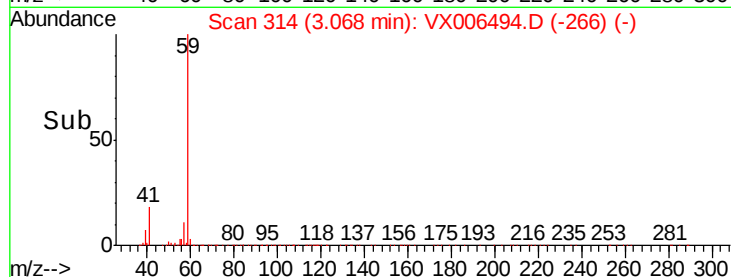
Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

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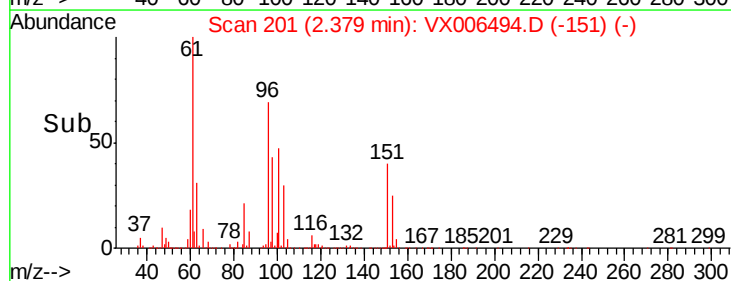
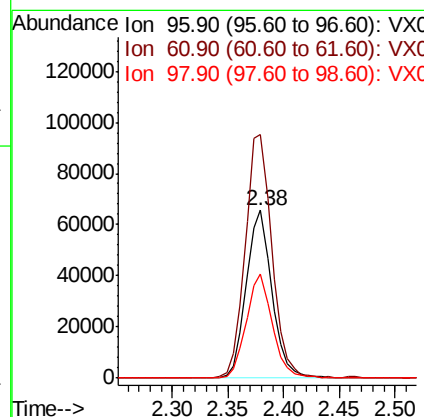
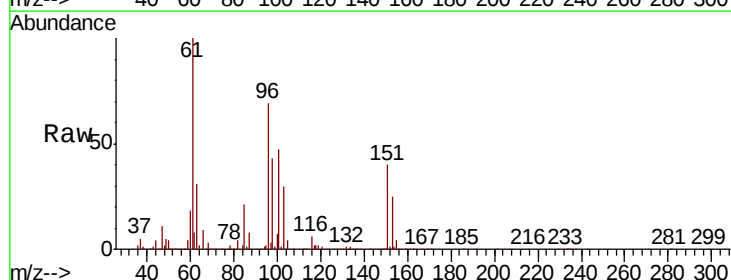


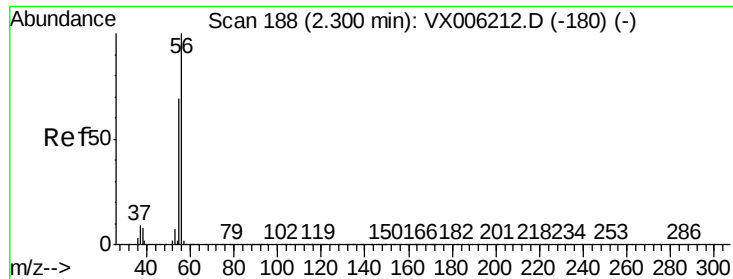
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#12
1,1-Dichloroethene
Concen: 22.379 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	131.7	197.5
98	62.1	51.8	77.6





#13
Acrolein
Concen: 113.218 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

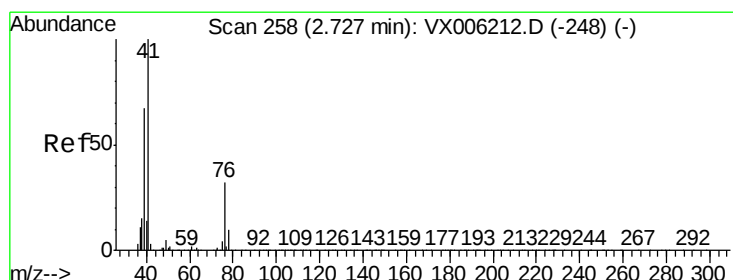
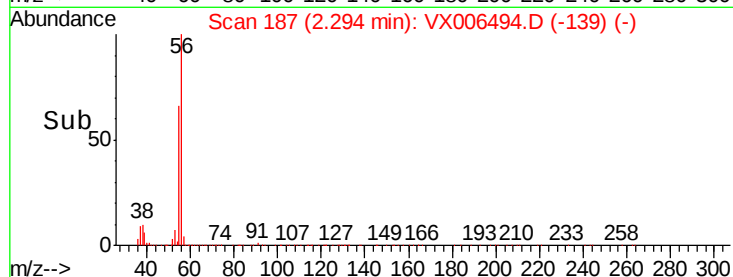
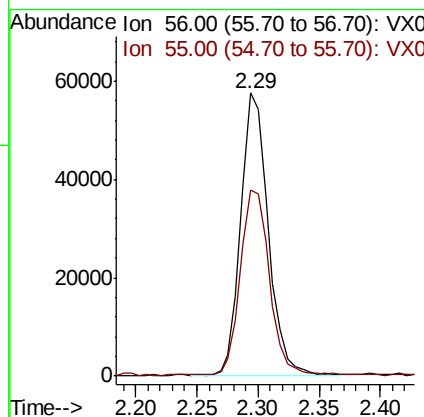
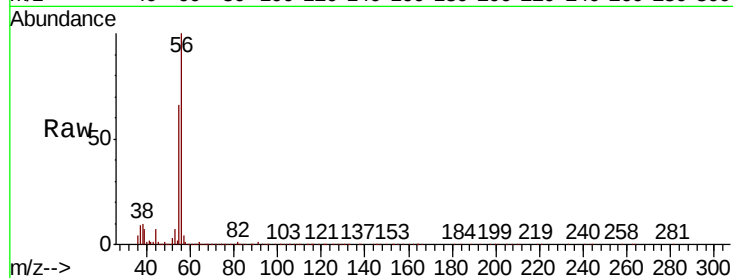
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	56	55	Ratio	Lower	Upper
89675	100	68.8		57.8	86.6

Manual Integrations
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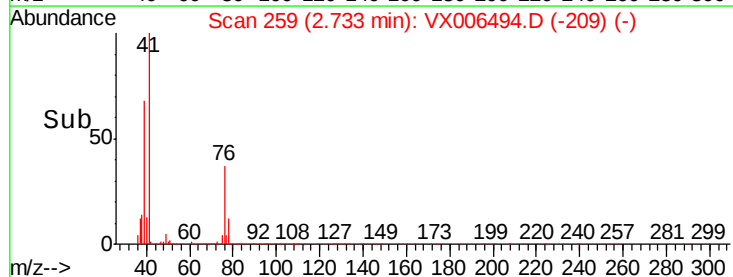
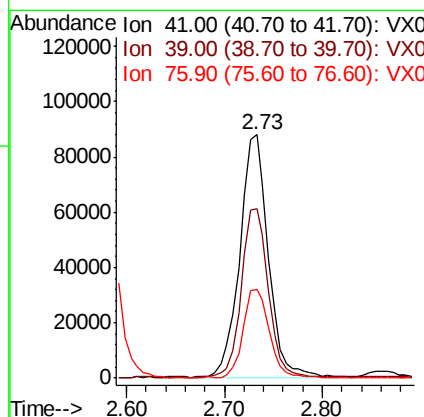
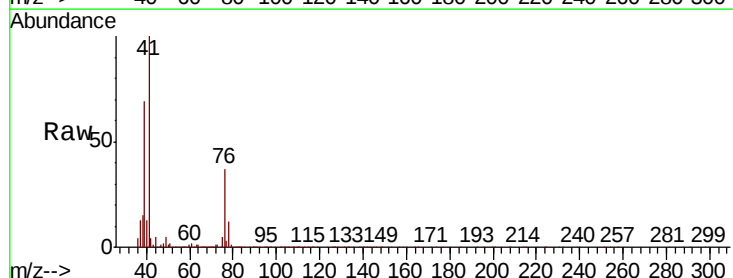
MM Dadoda

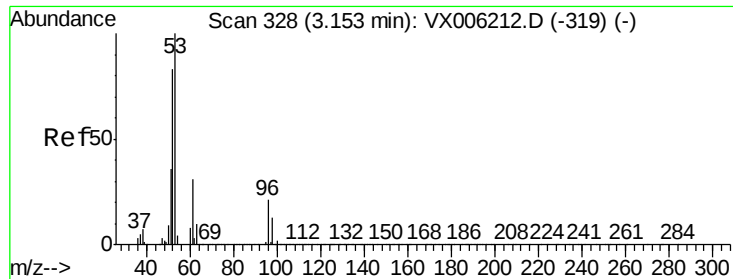
12/14/2018 9:35:04 AM



#14
Allyl chloride
Concen: 19.119 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	41	39	76	Ratio	Lower	Upper
177390	100	65.4	33.5		52.4	78.6





#15

Acrylonitrile

Concen: 106.689 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

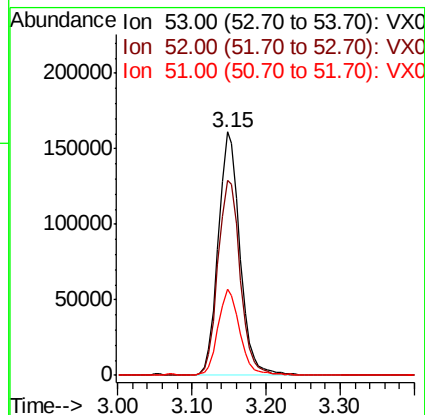
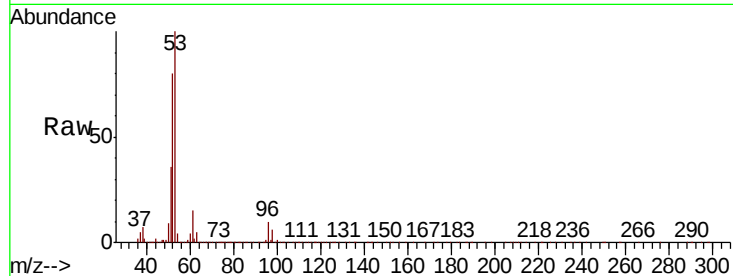
ClientSampleId :

VX1213WBSD01

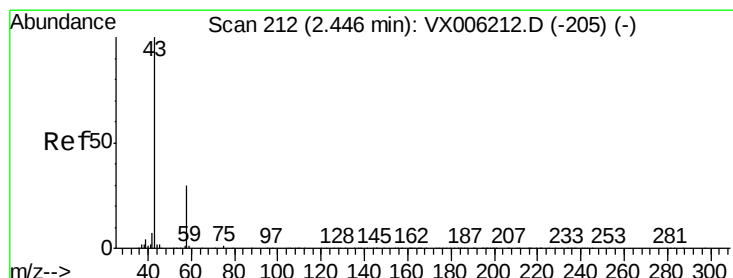
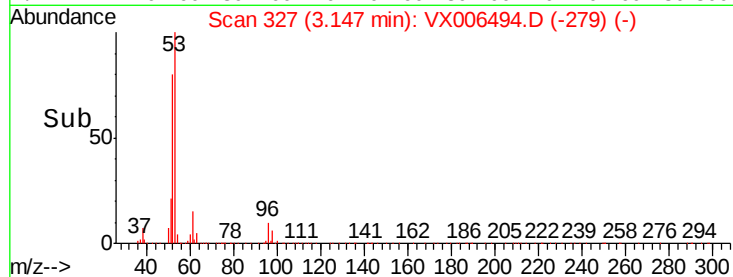
Tot Ion:	53	Resp:	322630
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.2	99.4
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 108.218 ug/l

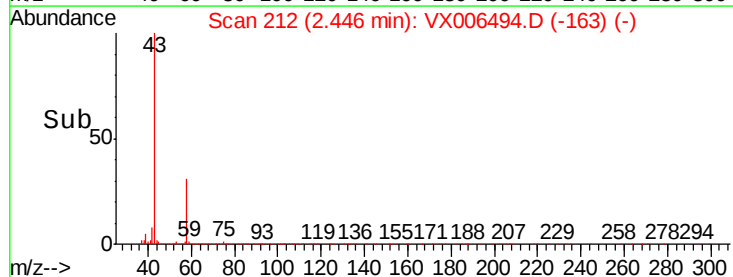
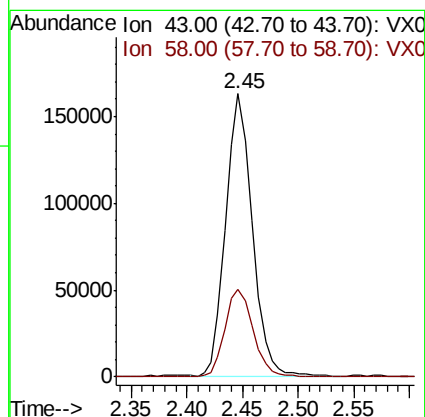
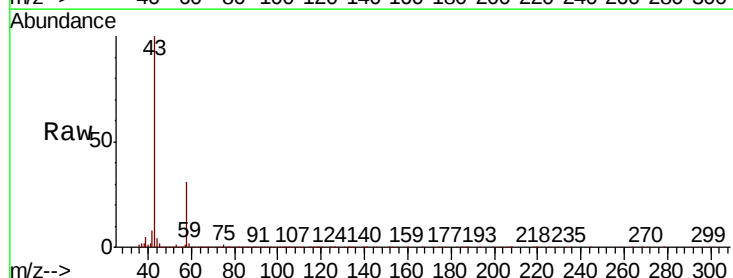
RT: 2.45 min Scan# 212

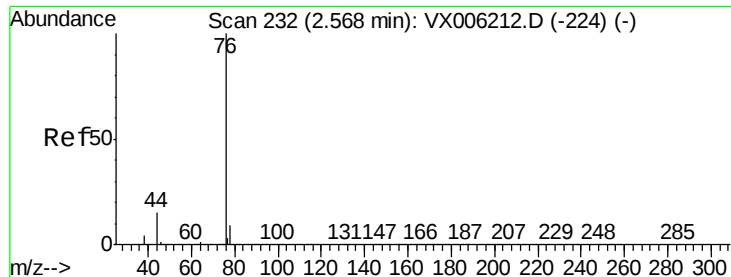
Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tgt Ion:	43	Resp:	269113
Ion Ratio		Lower	Upper
43	100		
58	30.9	24.0	36.0





#17

Carbon Disulfide

Concen: 18.219 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tot Ion: 76 Resp: 263694

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

Instrument :

MSVOA_X

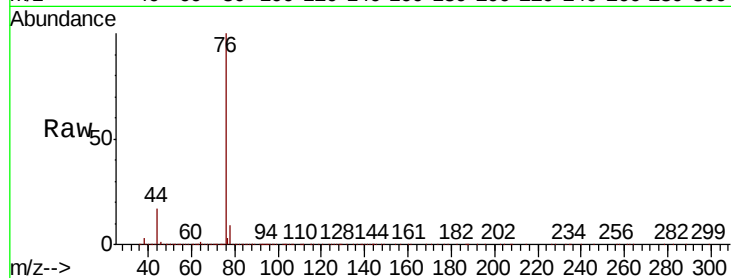
ClientSampled :

VX1213WBSD01

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

100000

50000

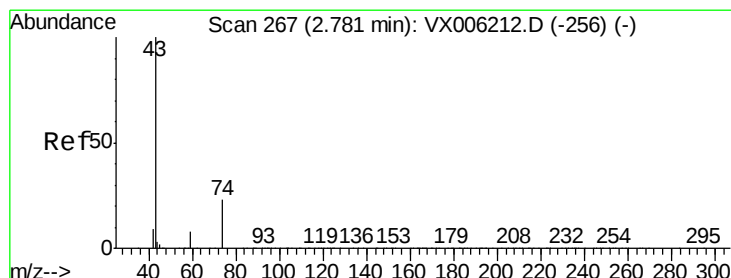
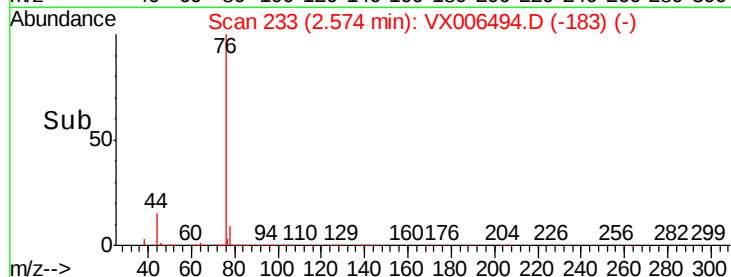
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 20.669 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006494.D

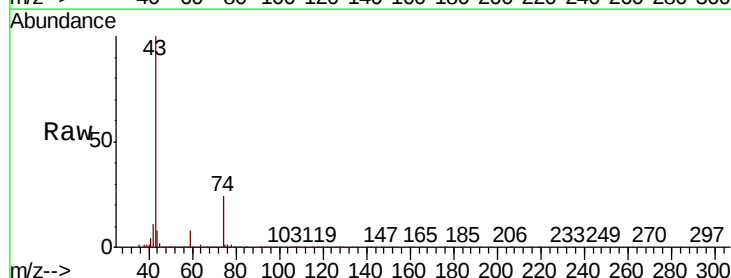
Acq: 13 Dec 2018 14:51

Tgt Ion: 43 Resp: 171893

Ion Ratio Lower Upper

43 100

74 24.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

60000

40000

20000

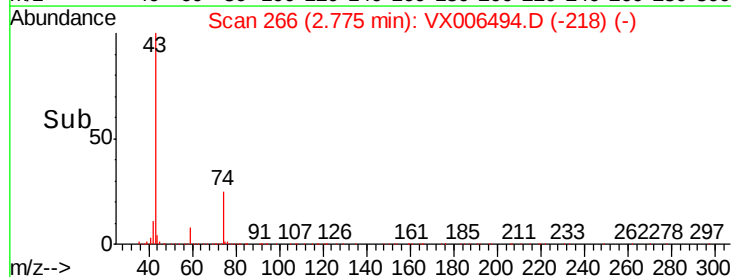
0

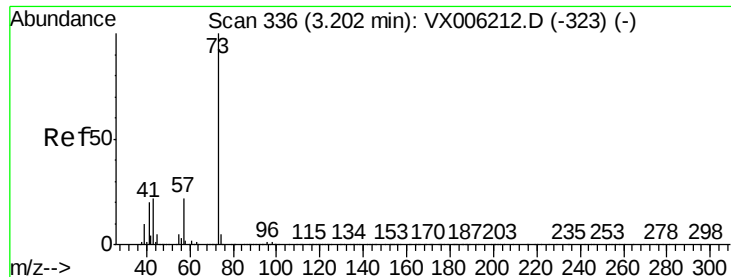
Time-->

2.70

2.80

2.90





#19
Methvl tert-butvl Ether
Concen: 21.801 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

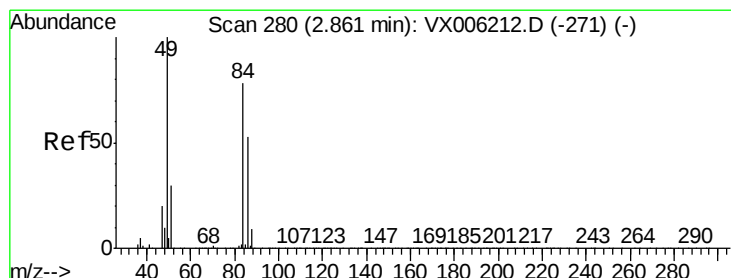
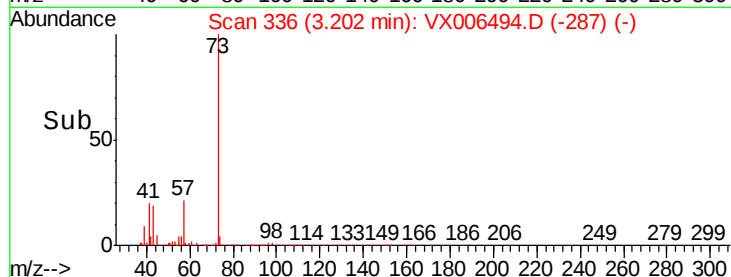
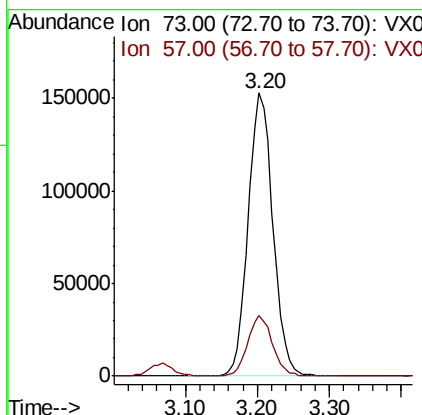
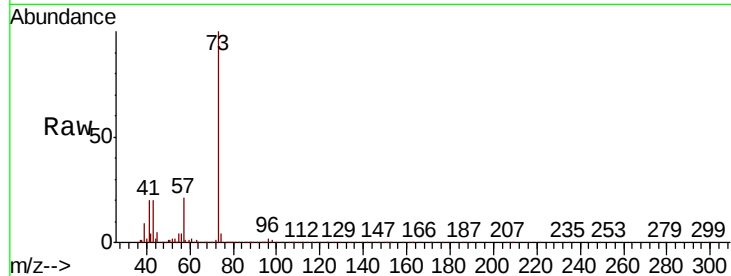
Instrument :
MSVOA_X
ClientSampled :
VX1213WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.5	26.3

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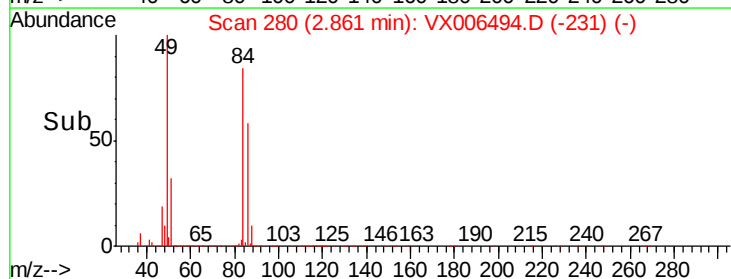
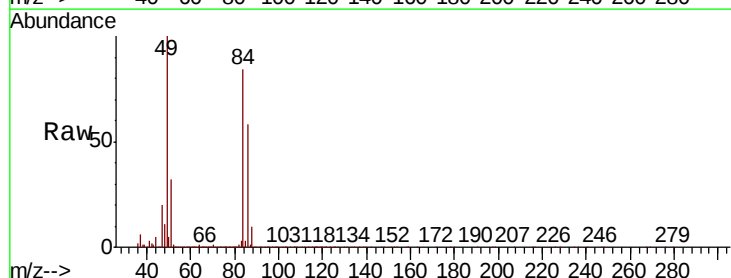
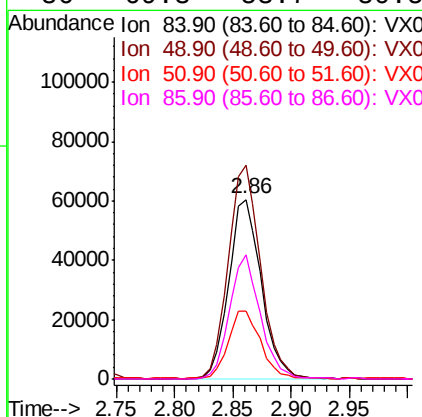
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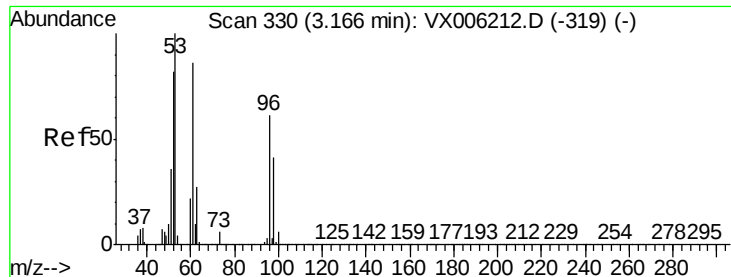
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#20
Methylene Chloride
Concen: 22.227 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.9	102.2	153.4
51	37.8	31.1	46.7
86	69.3	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 22.583 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion: 96 Resp: 113035

Ion Ratio Lower Upper

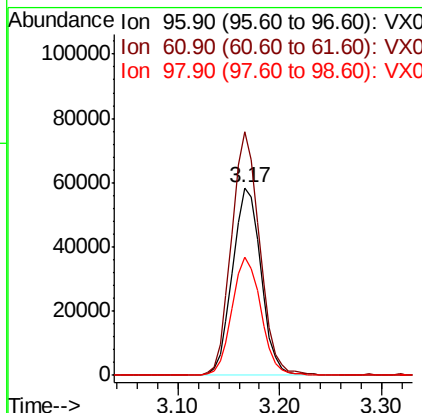
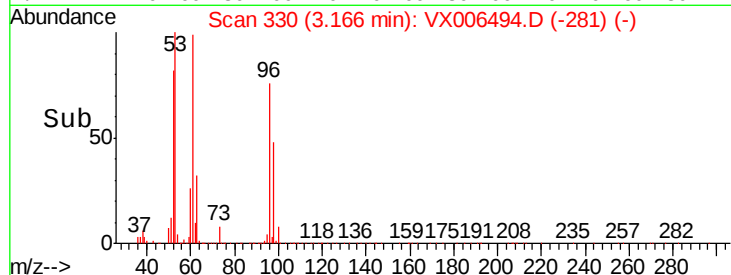
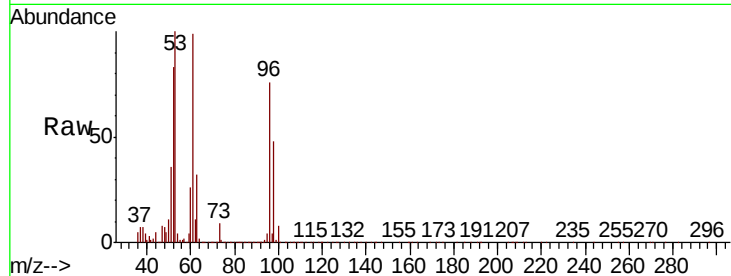
96 100

61 129.9 113.3 169.9

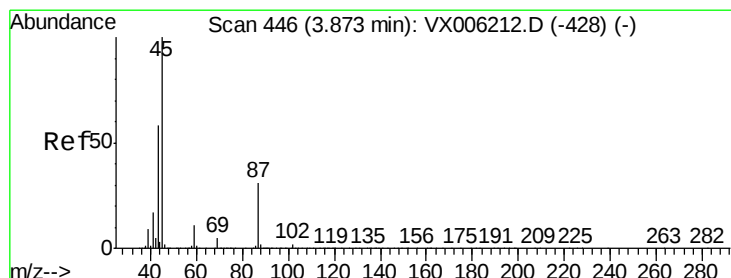
98 63.3 53.2 79.8

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#22

Diisopropyl ether

Concen: 22.363 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tgt Ion: 45 Resp: 324094

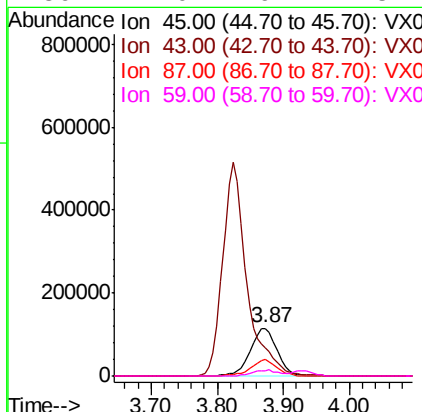
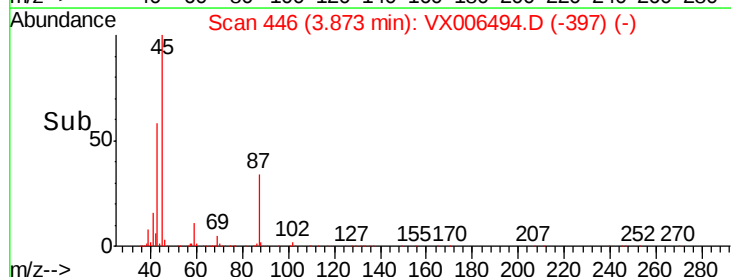
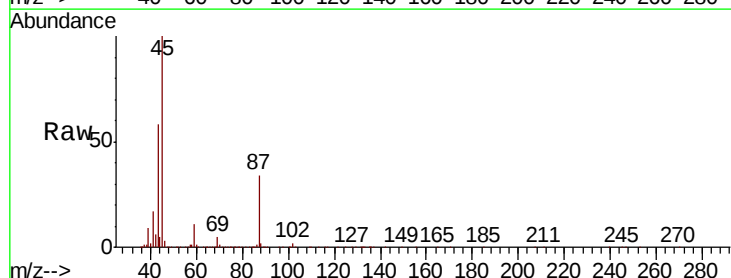
Ion Ratio Lower Upper

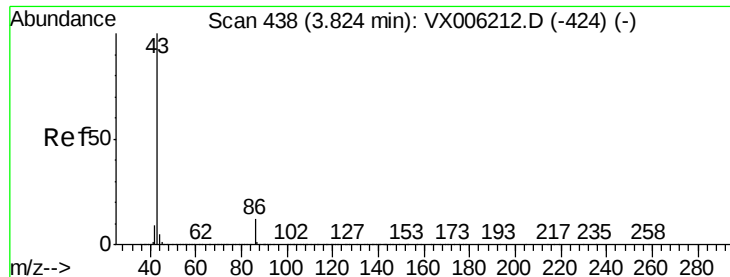
45 100

43 58.3 46.2 69.2

87 34.1 24.9 37.3

59 11.0 9.1 13.7





#23

Vinyl Acetate

Concen: 106.319 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tot Ion: 43 Resp: 1314196

Ion Ratio Lower Upper

43 100

86 11.5 9.4 14.0

Instrument :

MSVOA_X

ClientSampleId :

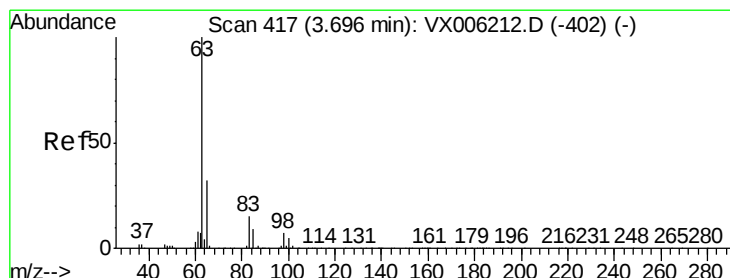
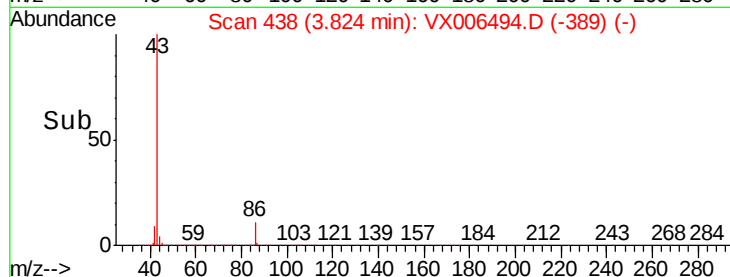
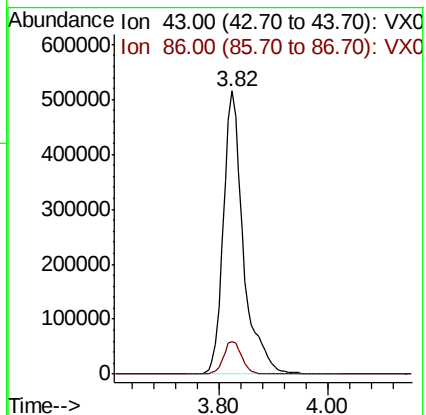
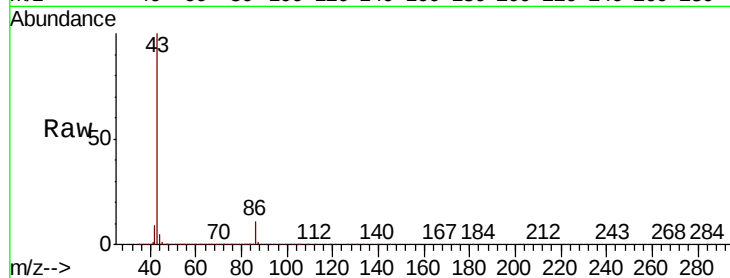
VX1213WBSD01

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#24

1,1-Dichloroethane

Concen: 23.667 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

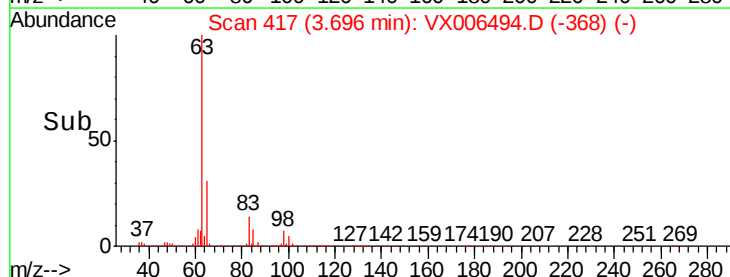
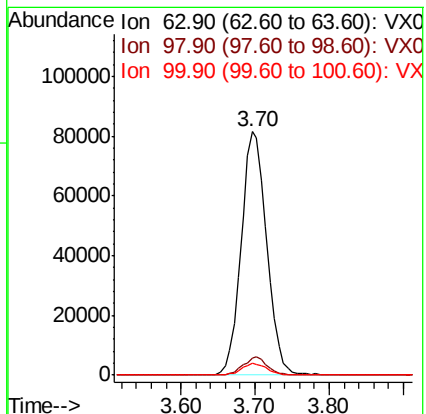
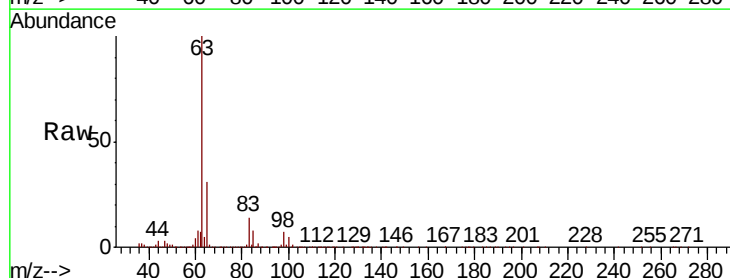
Tgt Ion: 63 Resp: 196047

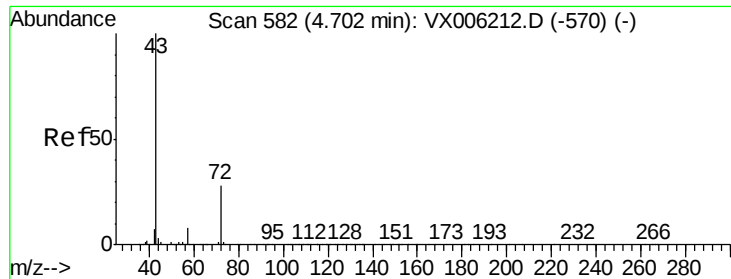
Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.4

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 112.099 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tot Ion: 43 Resp: 397758

Ion Ratio Lower Upper

43 100

72 28.9 22.6 33.8

Instrument :

MSVOA_X

ClientSampleId :

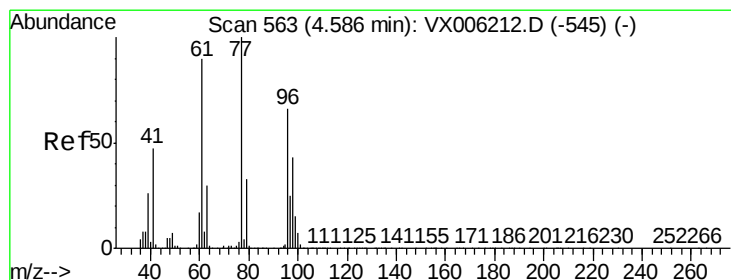
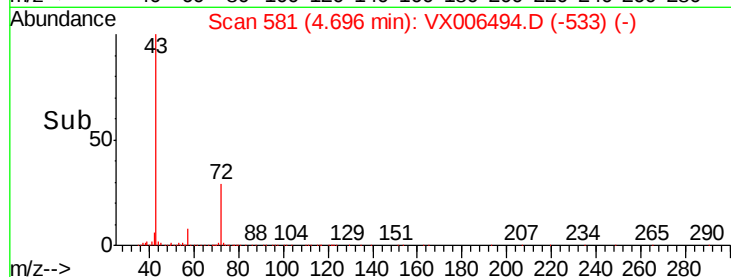
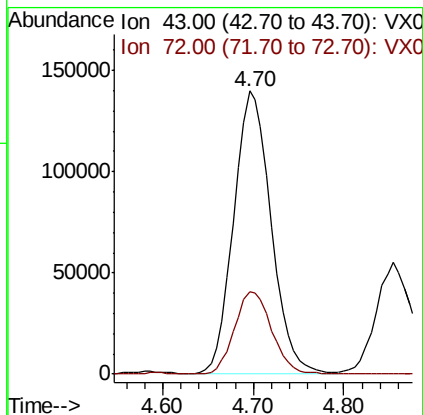
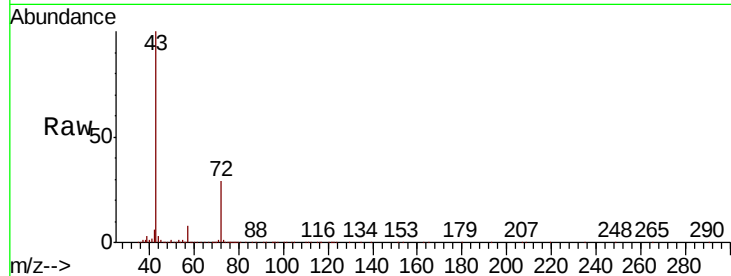
VX1213WBSD01

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#26

2,2-Dichloropropane

Concen: 18.654 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006494.D

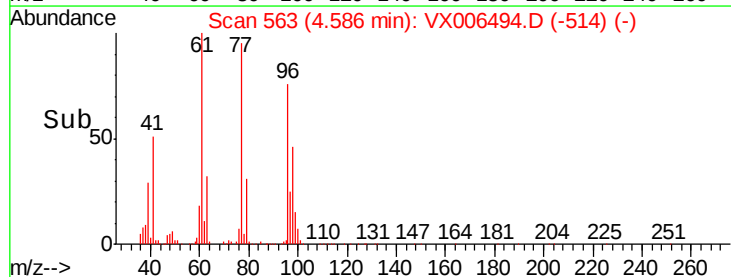
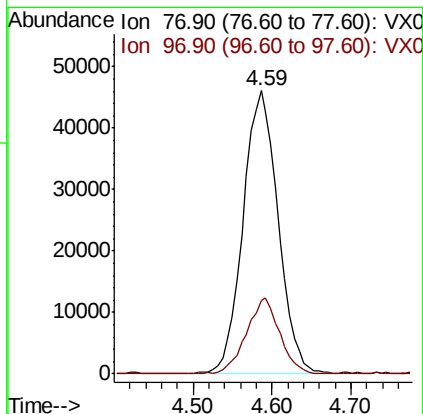
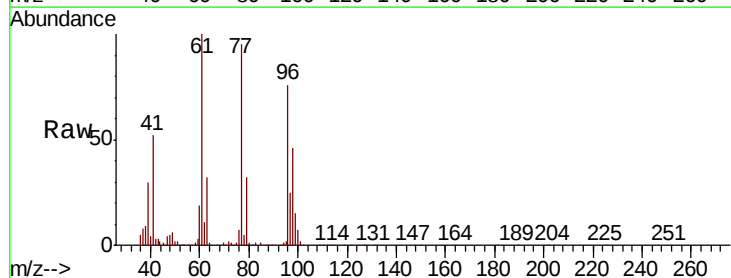
Acq: 13 Dec 2018 14:51

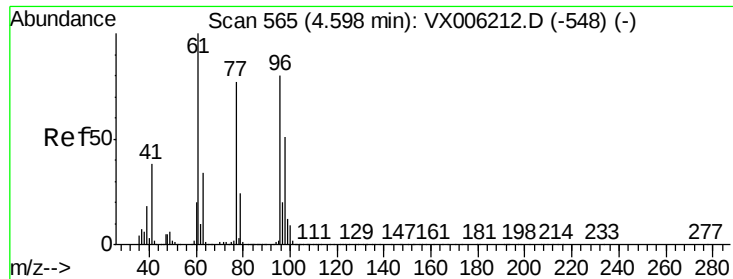
Tgt Ion: 77 Resp: 142607

Ion Ratio Lower Upper

77 100

97 25.6 12.3 36.8





#27

cis-1,2-Dichloroethene
Concen: 23.178 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

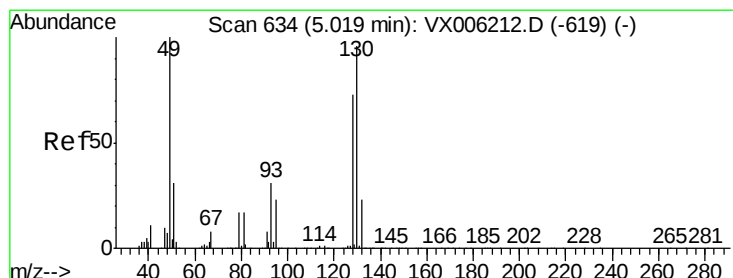
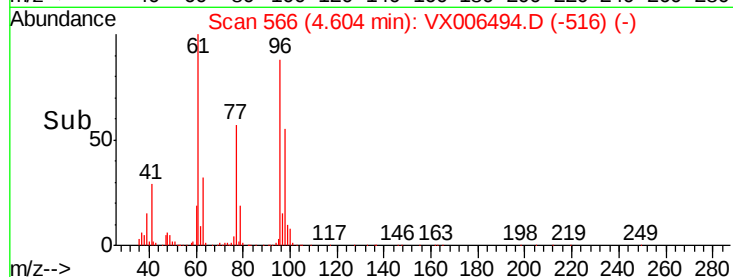
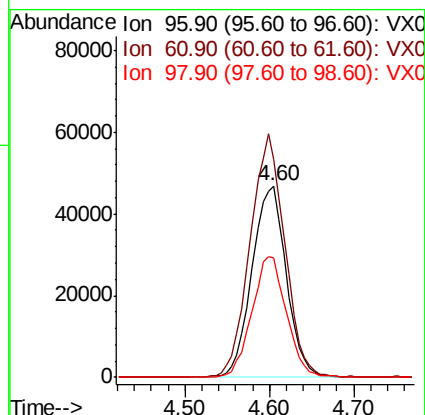
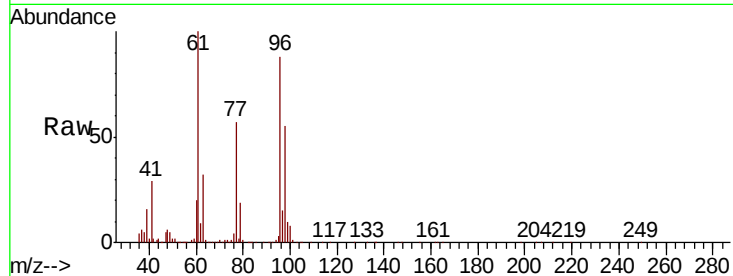
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	129407		
61	128.5		0.0	265.0
98	63.8		0.0	130.2

Manual Integrations
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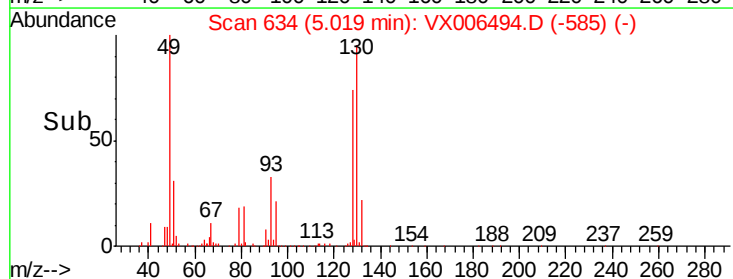
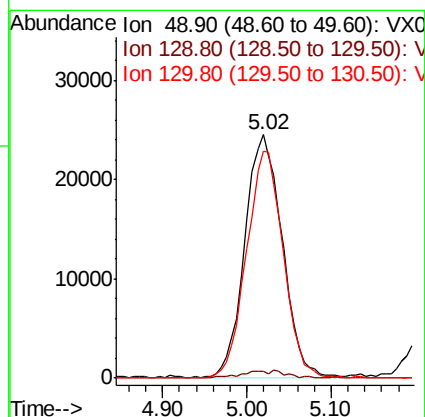
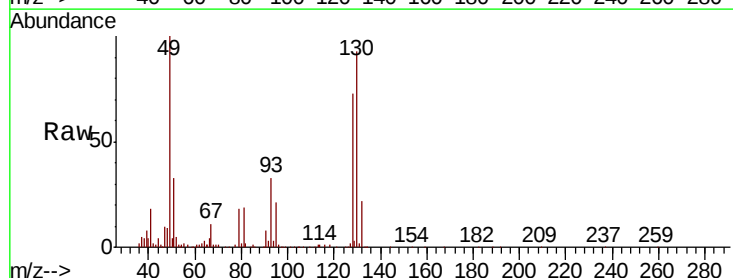
12/14/2018 9:35:04 AM

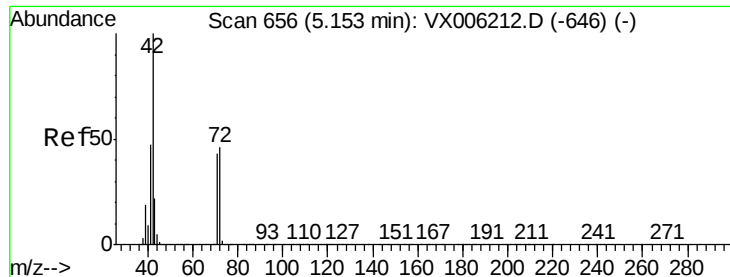


#28

Bromochloromethane
Concen: 20.504 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	74188		
129	2.0		0.0	5.0
130	91.6		78.3	117.5





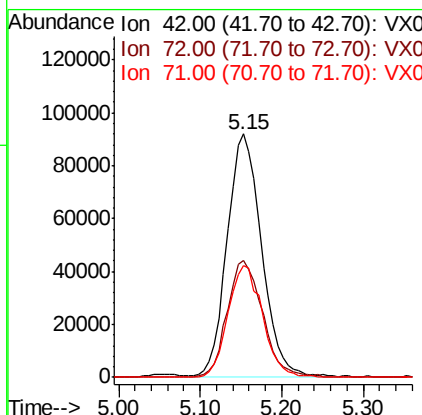
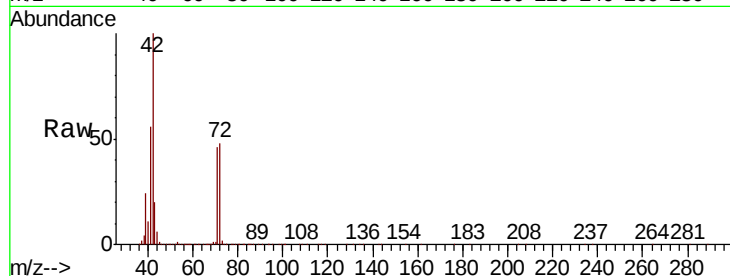
#29
Tetrahydrofuran
Concen: 108.473 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

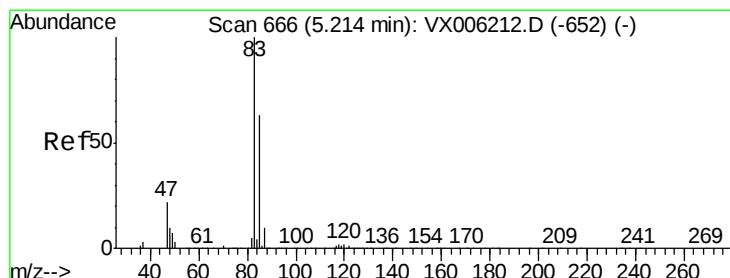
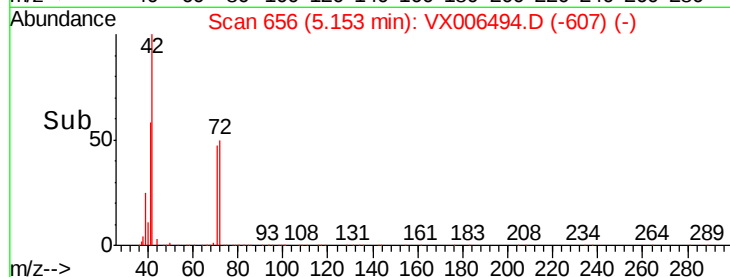
Tot Ion	42	Resp	267499
Ion Ratio	Lower	Upper	
42	100		
72	50.0	37.8	56.8
71	46.3	35.2	52.8

Manual Integrations
APPROVED

MMDadoda

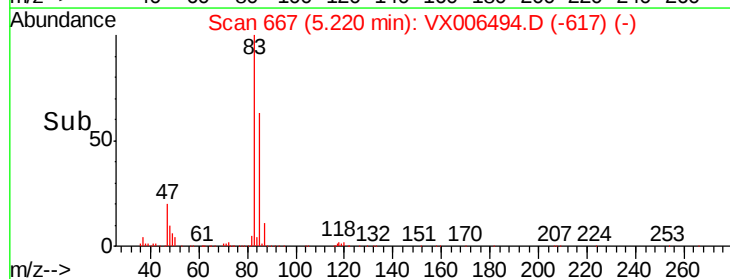
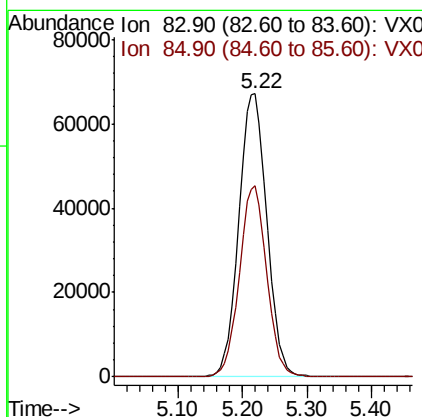
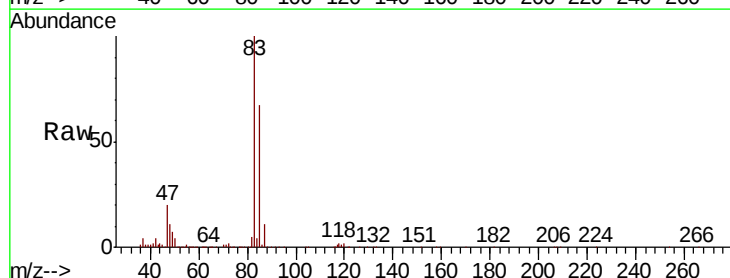


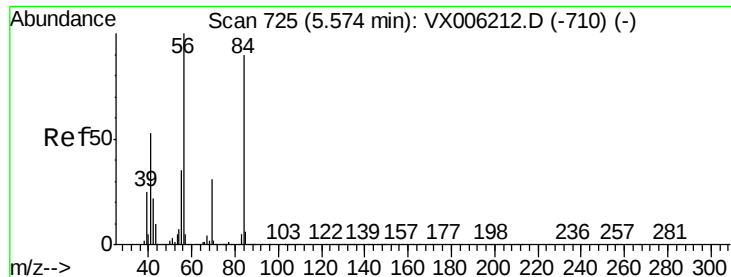
12/14/2018 9:35:04 AM



#30
Chloroform
Concen: 23.128 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	83	Resp	201328
Ion Ratio	Lower	Upper	
83	100		
85	67.4	50.3	75.5





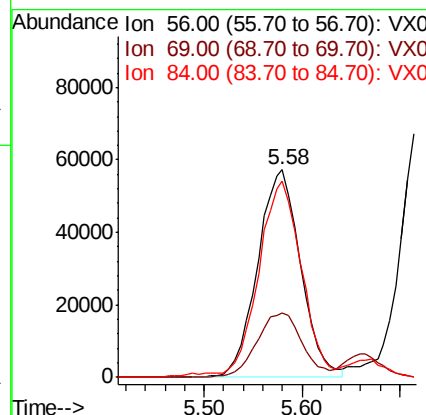
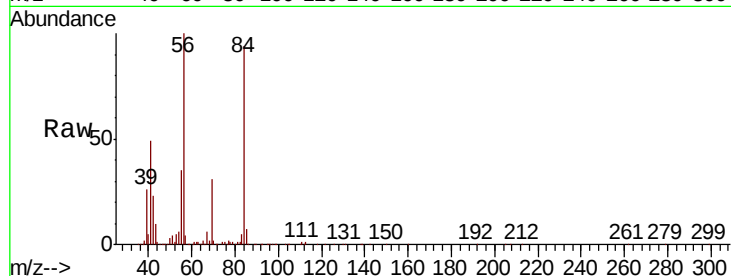
#31
Cvclohexane
Concen: 22.677 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

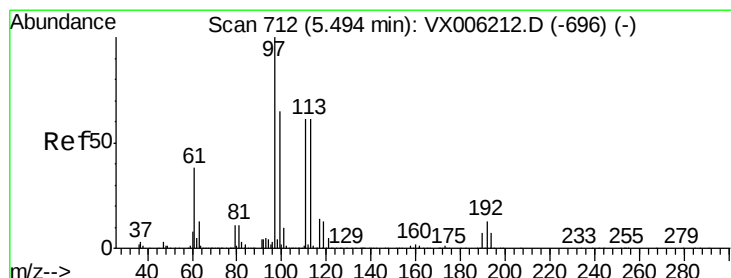
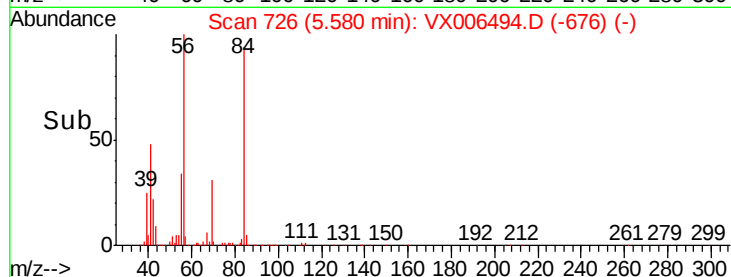
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.5	36.7
84	92.9	71.8	107.6

Manual Integrations
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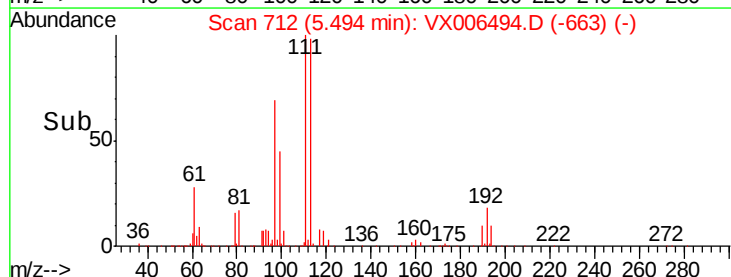
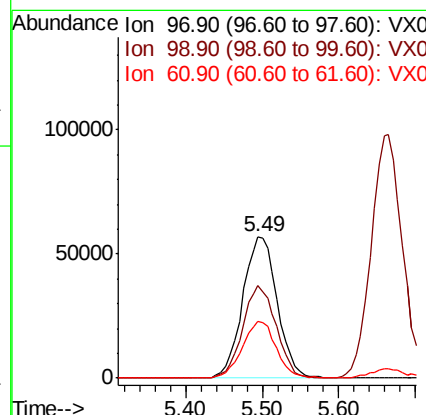
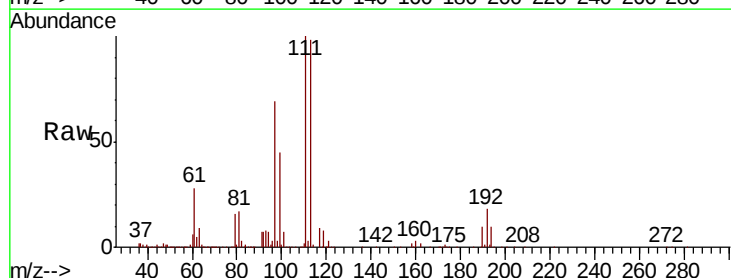


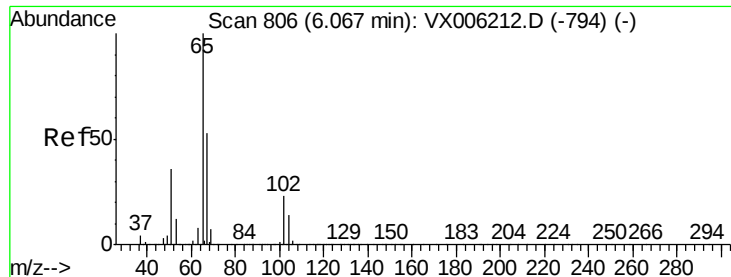
12/14/2018 9:35:04 AM



#32
1,1,1-Trichloroethane
Concen: 21.470 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	39.6	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 53.662 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tot Ion: 65 Resp: 284353

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.2

Instrument :

MSVOA_X

ClientSampleId :

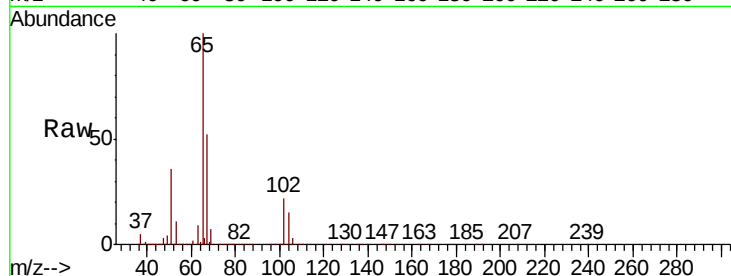
VX1213WBSD01

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

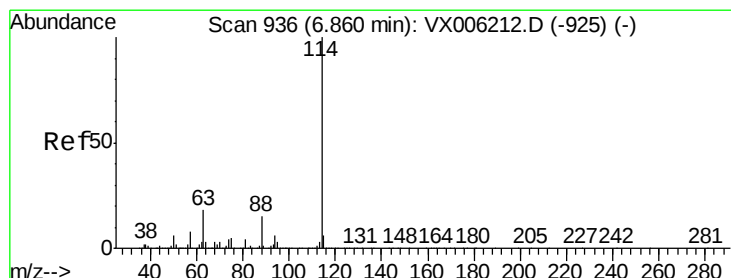
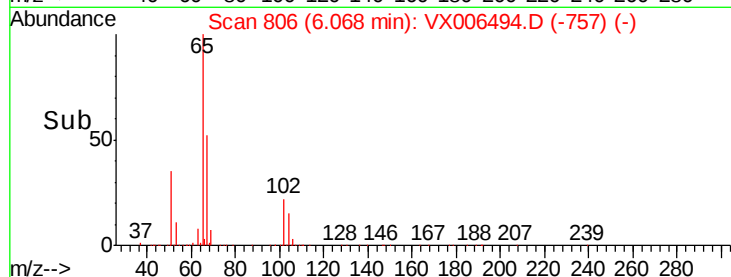
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

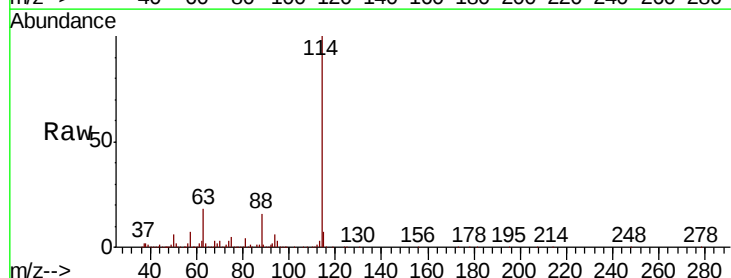
Tgt Ion: 114 Resp: 834346

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.6

88 15.5 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

400000

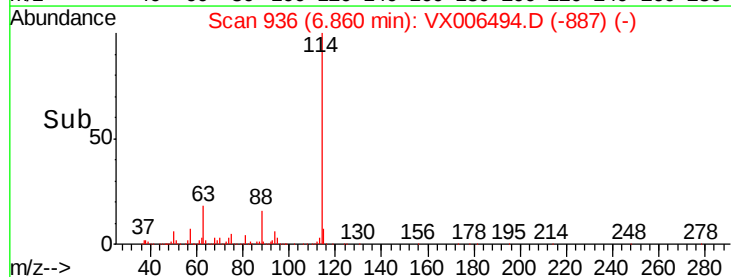
300000

200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.362 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

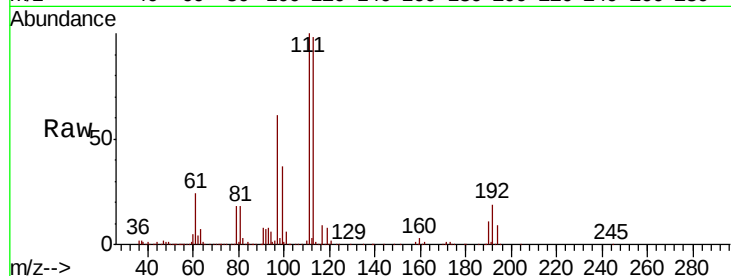
ClientSampleId :

VX1213WBSD01

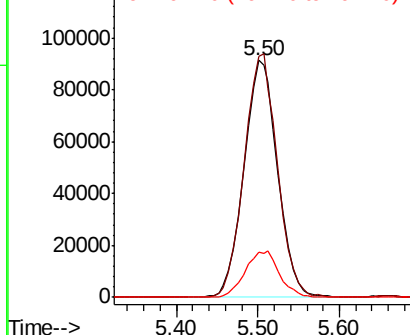
Tot Ion:	113	Resp:	261257
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.1	121.7
192	20.0	18.2	27.2

Manual Integrations
APPROVED

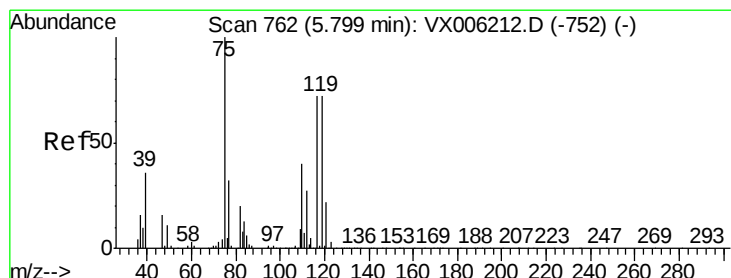
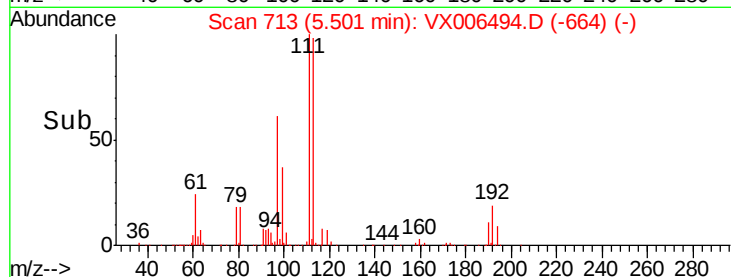
MMDadoda



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



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#36

1,1-Dichloropropene

Concen: 21.276 ug/l

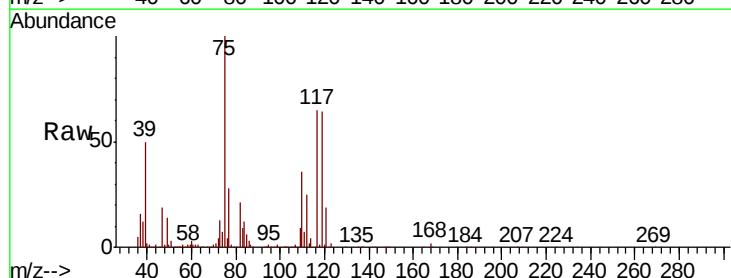
RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

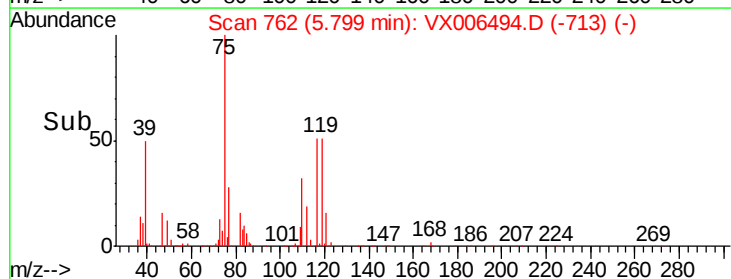
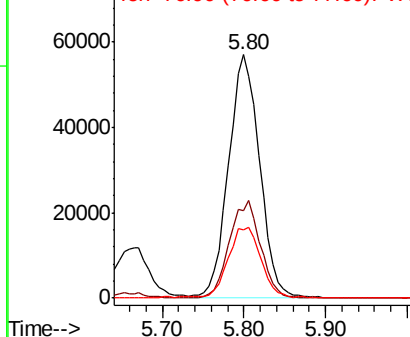
Lab File: VX006494.D

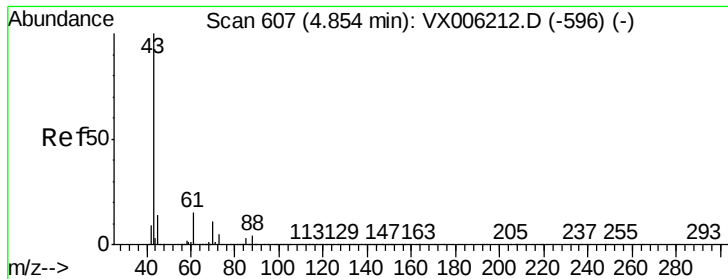
Acq: 13 Dec 2018 14:51

Tgt Ion:	75	Resp:	149486
Ion Ratio	Lower	Upper	
75	100		
110	40.2	20.4	61.3
77	29.8	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#37
Ethyl Acetate
Concen: 19.480 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

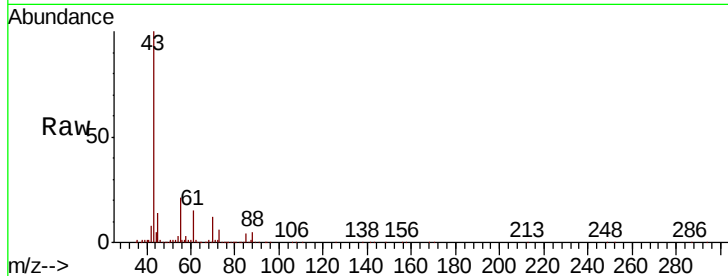
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion:	43	Resp:	153271
Ion Ratio	Lower	Upper	
43	100		
61	14.6	11.5	17.3
70	12.7	9.0	13.6

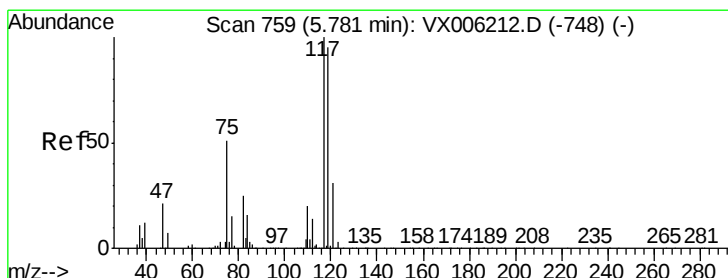
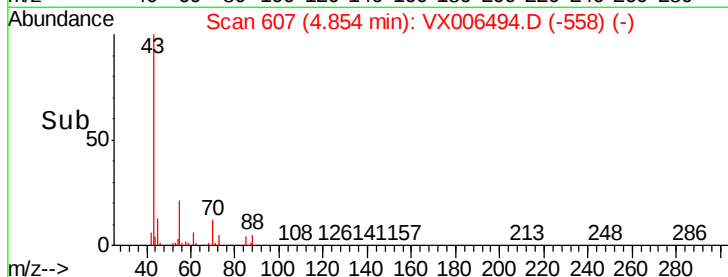
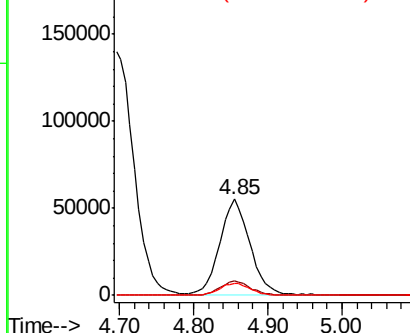
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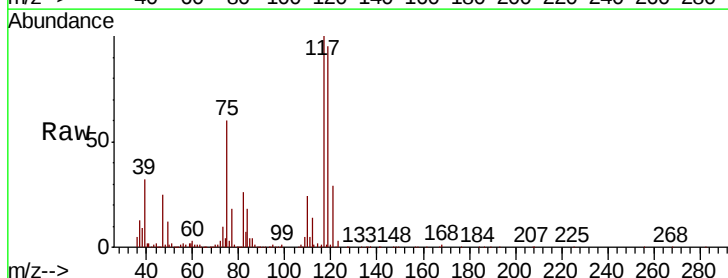


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

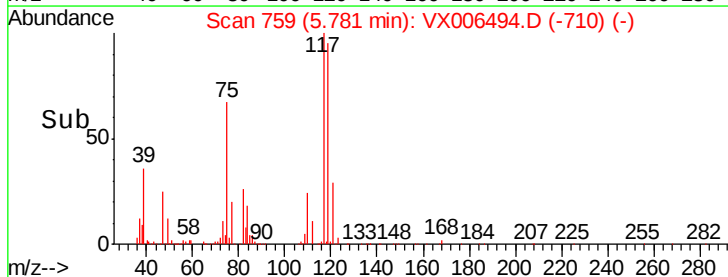
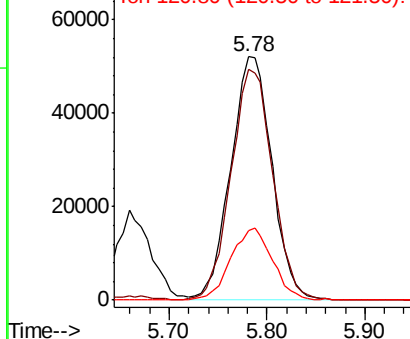


#38
Carbon Tetrachloride
Concen: 18.354 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion:	117	Resp:	151708
Ion Ratio	Lower	Upper	
117	100		
119	94.6	75.8	113.8
121	28.9	24.6	37.0



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





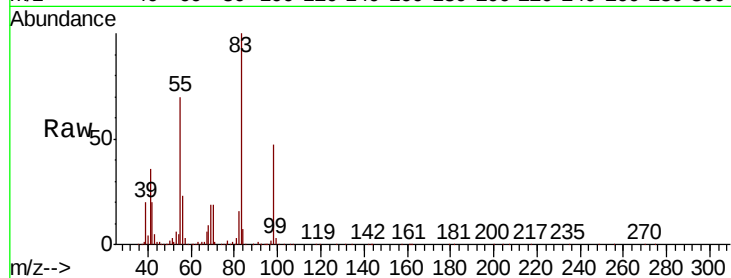
#39
Methvlcvclohexane
Concen: 20.837 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	56.4	84.6
98	46.7	39.0	58.6

Manual Integrations
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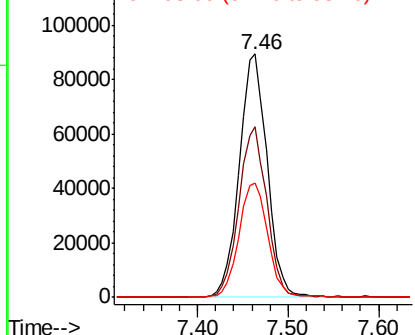


Abundance

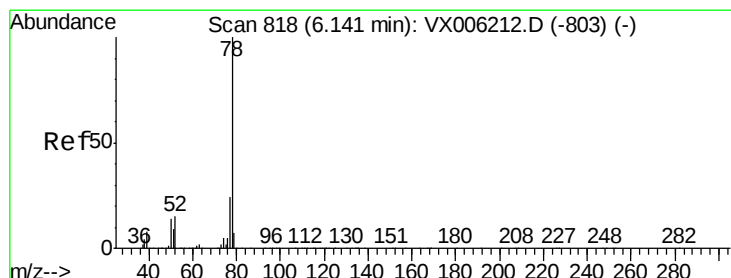
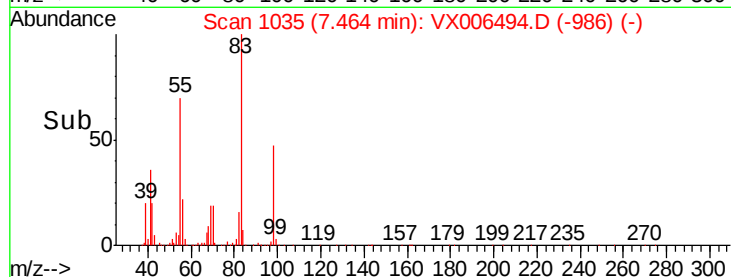
Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

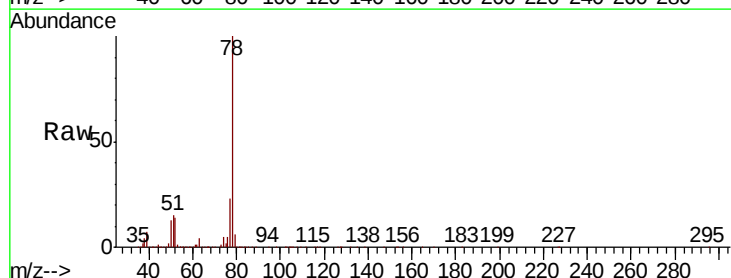


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#40
Benzene
Concen: 21.624 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

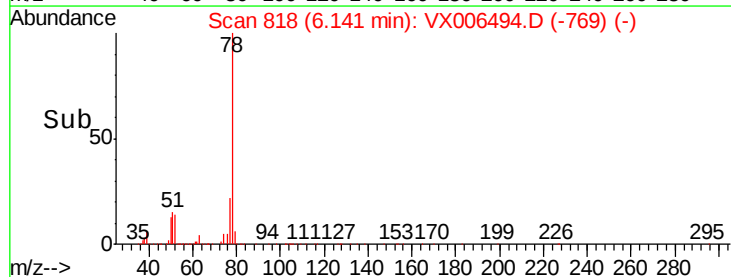
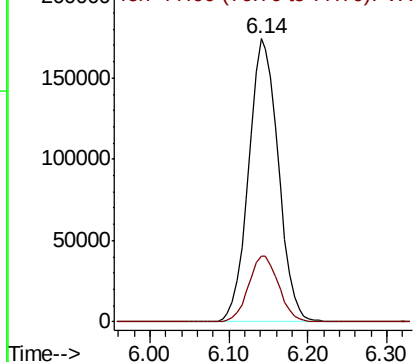
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8

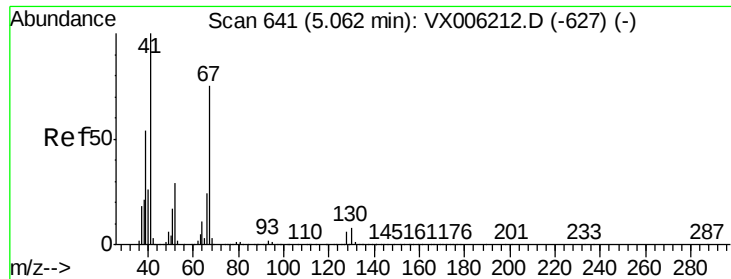


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41
Methacrylonitrile
Concen: 19.437 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

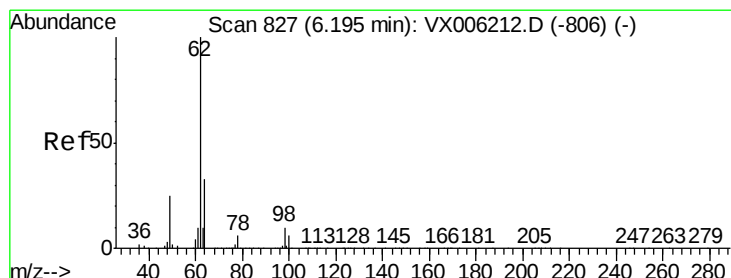
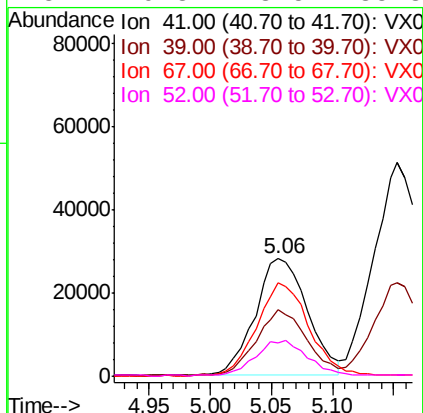
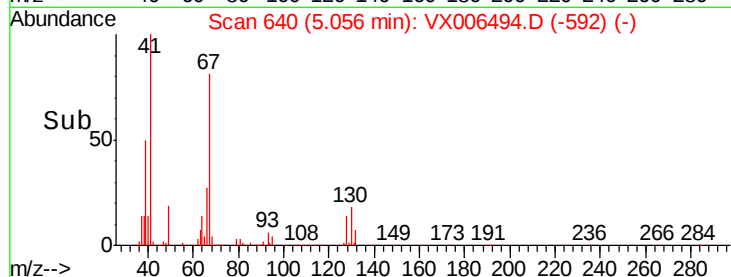
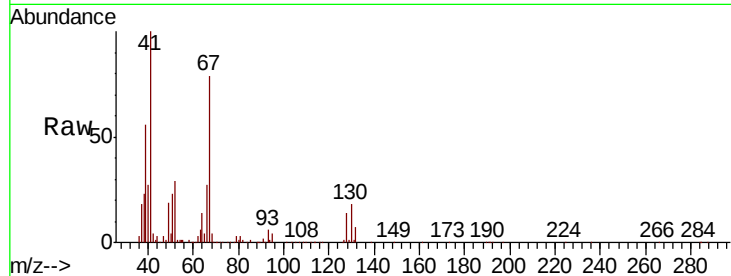
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		84155		
39	53.6	44.0	66.0		
67	80.8	61.4	92.0		
52	29.8	23.5	35.3		

Manual Integrations
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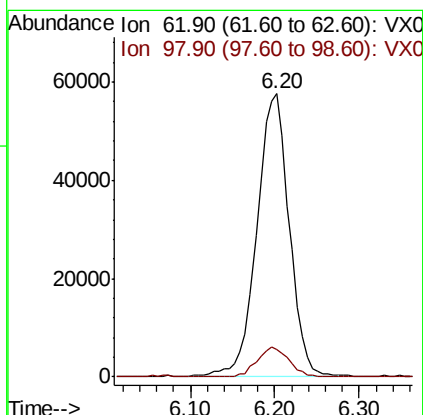
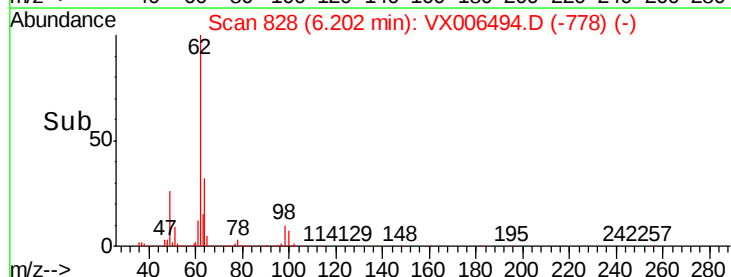
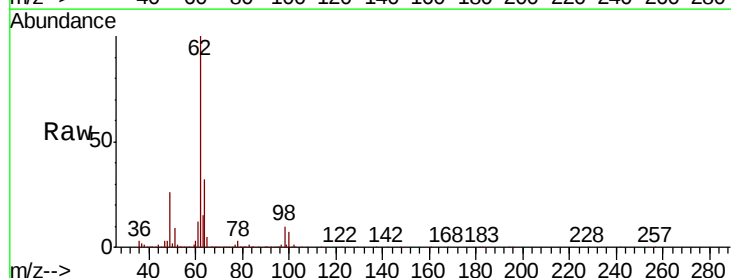
MMDadoda

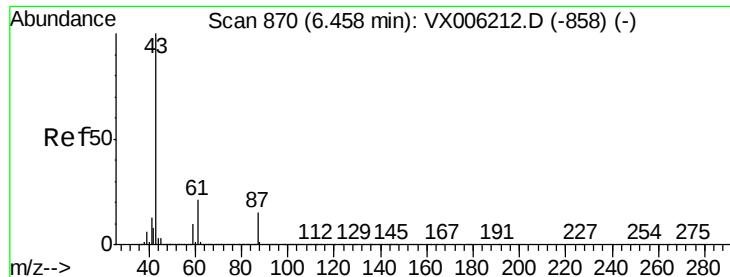
12/14/2018 9:35:04 AM



#42
1,2-Dichloroethane
Concen: 21.901 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		150838		
98	10.5	0.0	20.2		





#43

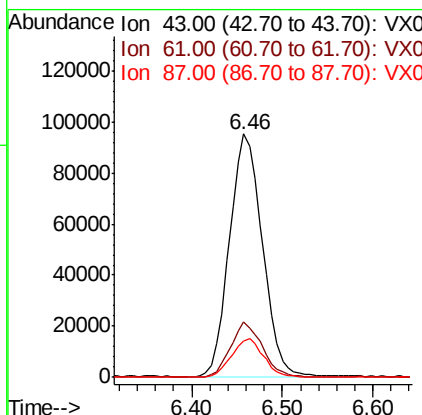
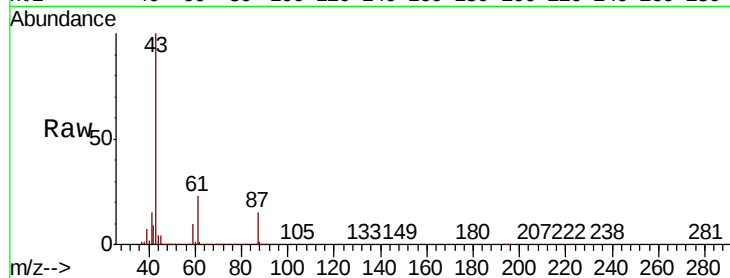
Isopropyl Acetate
 Concen: 18.336 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

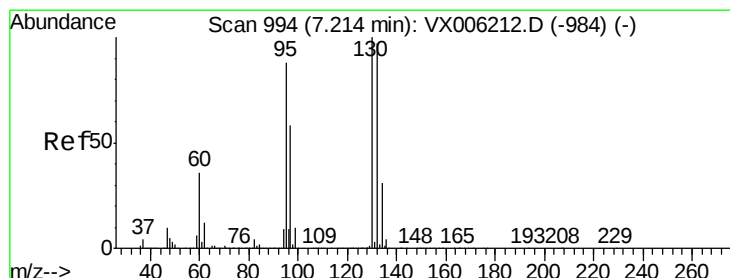
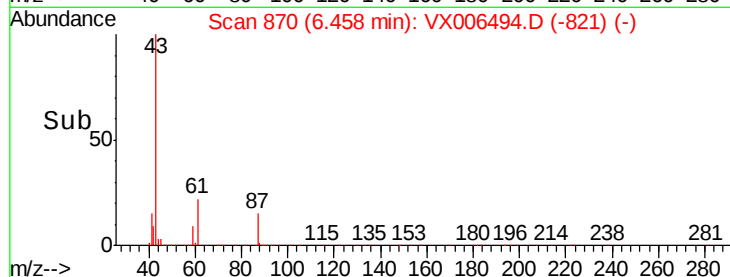
Tot Ion:	43	Resp:	240543
Ion	Ratio	Lower	Upper
43	100		
61	22.2	16.8	25.2
87	15.7	11.9	17.9

Manual Integrations
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MM Dadoda



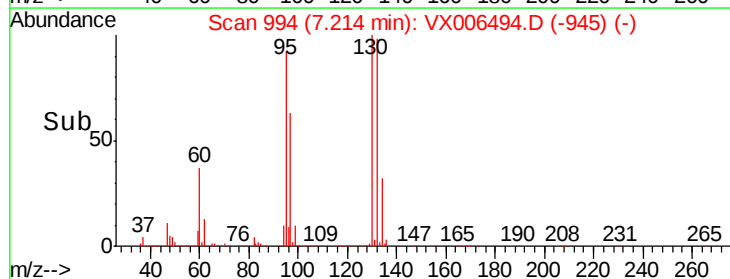
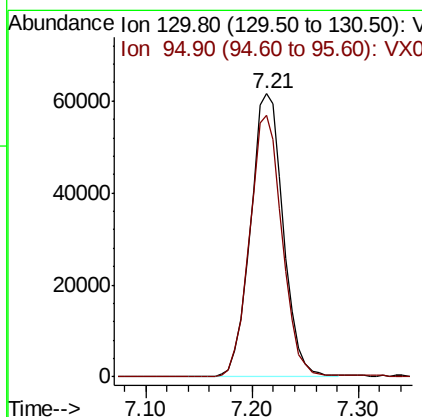
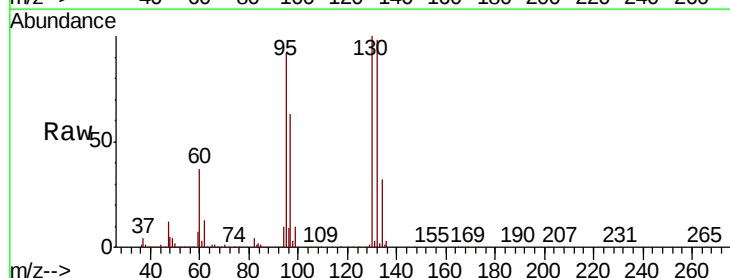
12/14/2018 9:35:04 AM



#44

Trichloroethene
 Concen: 20.785 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Tgt Ion:	130	Resp:	132507
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	175.8





#45

1,2-Dichloropropane

Concen: 20.308 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion: 63 Resp: 108611

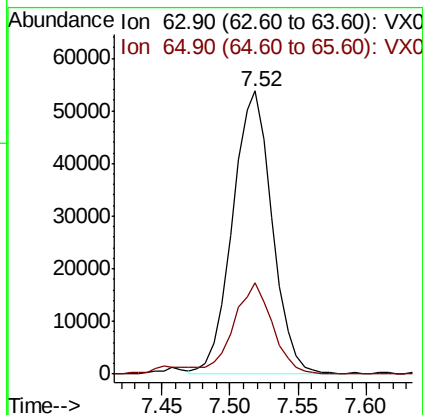
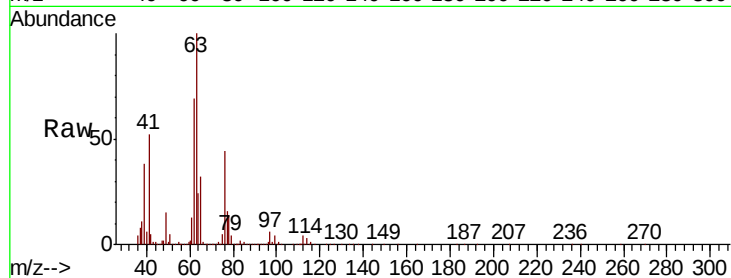
Ion Ratio Lower Upper

63 100

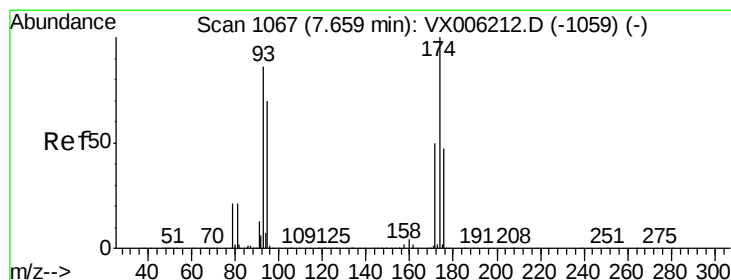
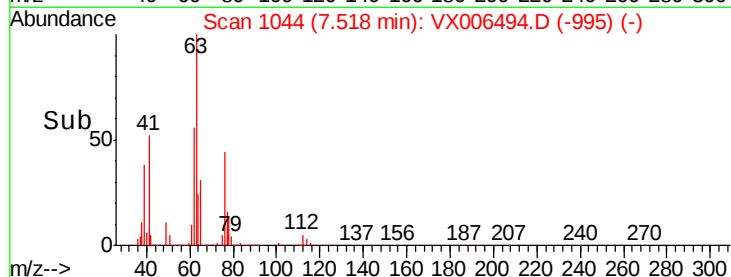
65 31.7 24.3 36.5

Manual Integrations
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#46

Dibromomethane

Concen: 20.997 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

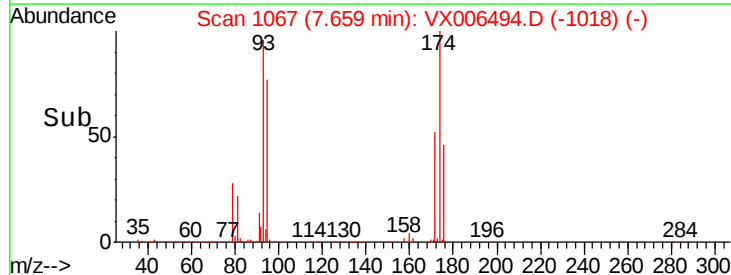
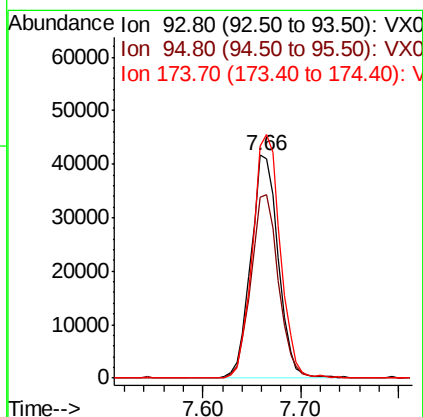
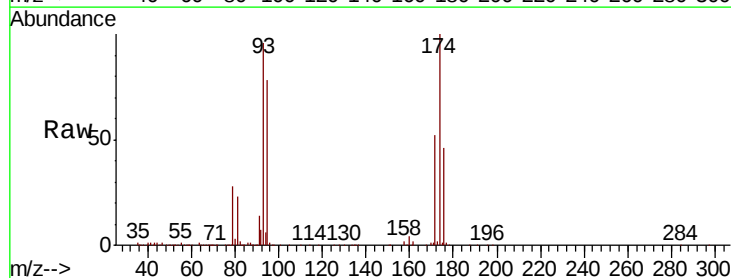
Tgt Ion: 93 Resp: 81105

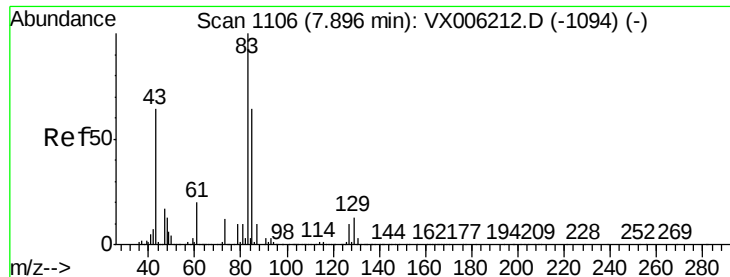
Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

174 110.0 97.2 145.8





#47

Bromodichloromethane

Concen: 18.057 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

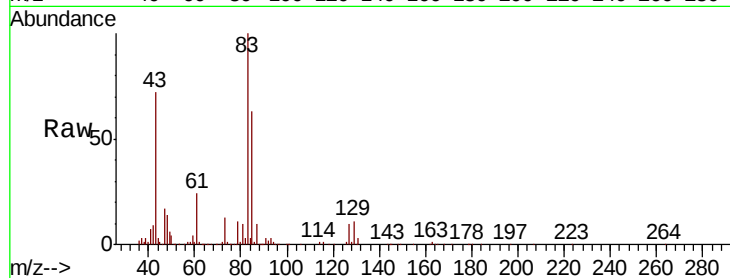
ClientSampleId :

VX1213WBSD01

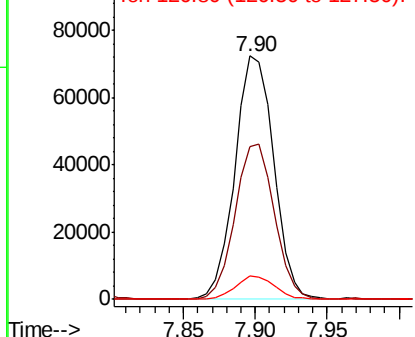
Tot Ion:	83	Resp:	135071
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.0
127	9.6	7.9	11.9

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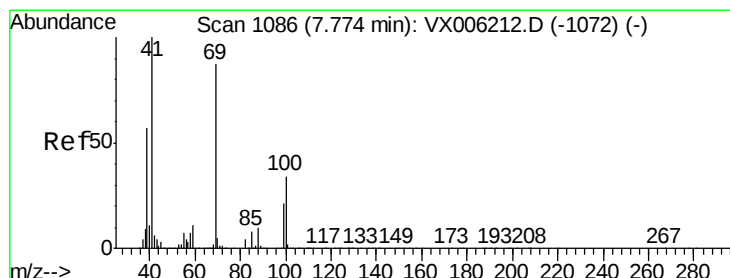
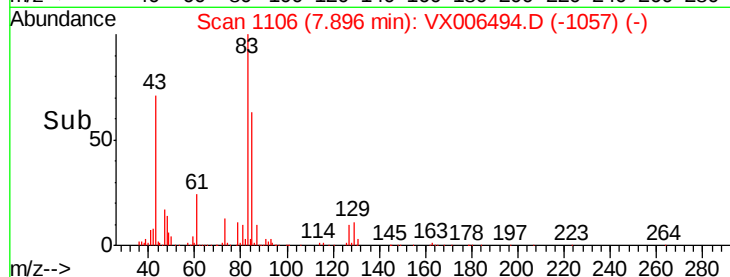
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



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#48

Methyl methacrylate

Concen: 19.107 ug/l

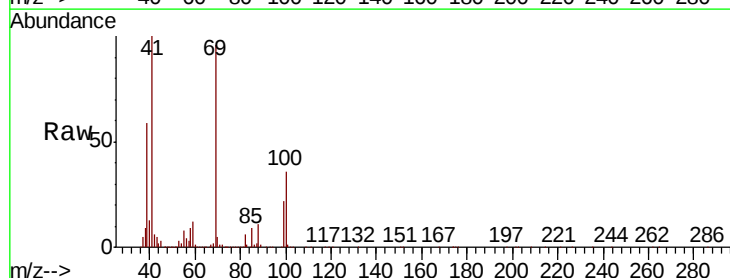
RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

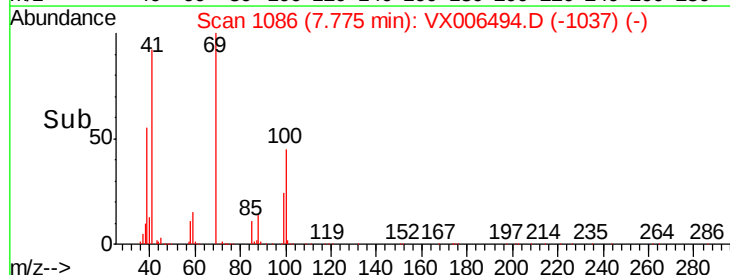
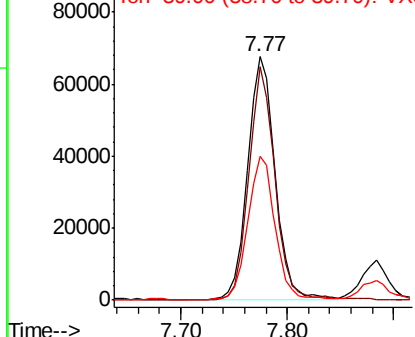
Lab File: VX006494.D

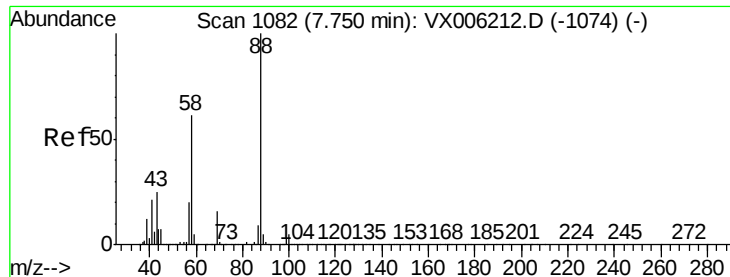
Acq: 13 Dec 2018 14:51

Tgt Ion:	41	Resp:	121941
Ion	Ratio	Lower	Upper
41	100		
69	91.6	70.3	105.5
39	59.4	45.3	67.9



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





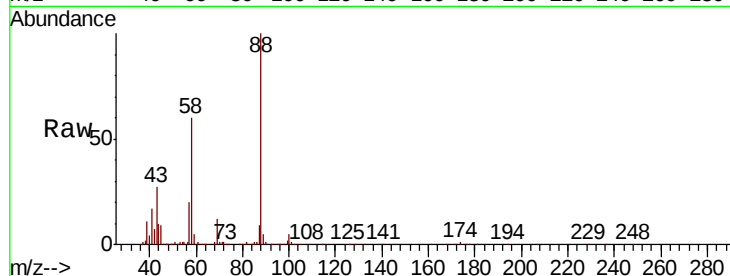
#49
1,4-Dioxane
Concen: 447.304 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	23.2	34.8
58	63.7	51.4	77.0

Manual Integrations
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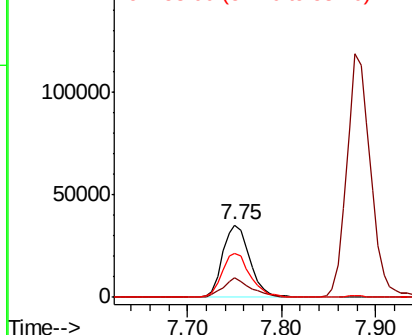


Abundance

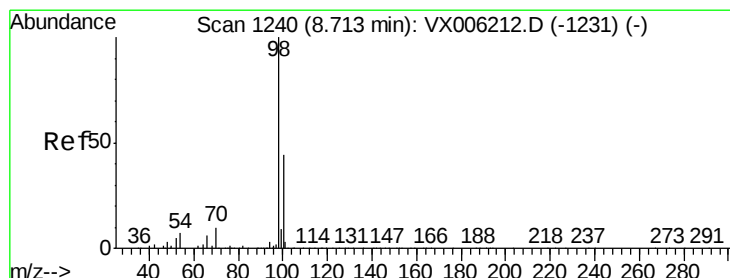
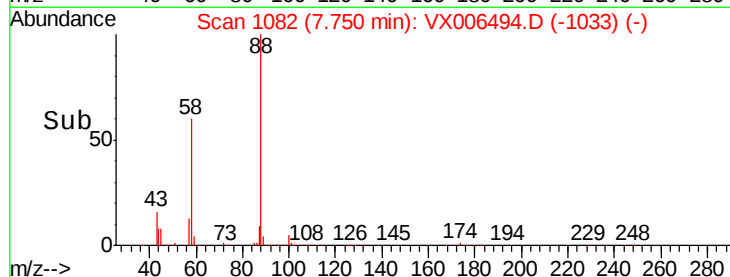
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

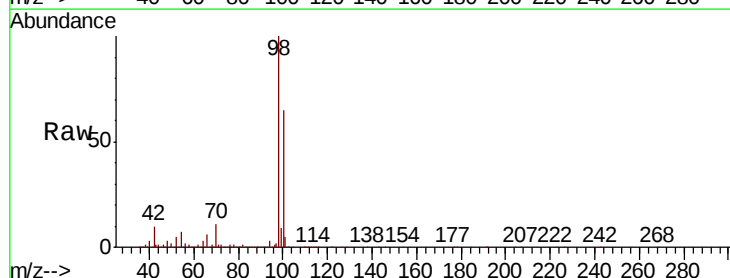


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#50
Toluene-d8
Concen: 48.366 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

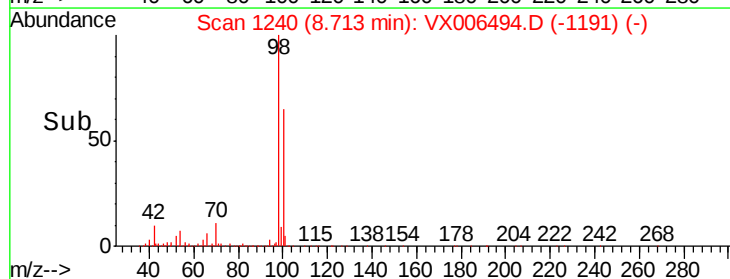
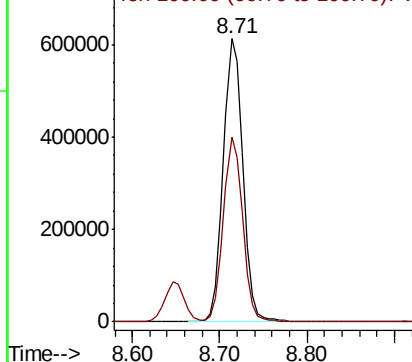
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 102.275 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tot Ion: 43 Resp: 781067

Ion Ratio Lower Upper

43 100

58 39.7 31.3 46.9

Instrument :

MSVOA_X

ClientSampled :

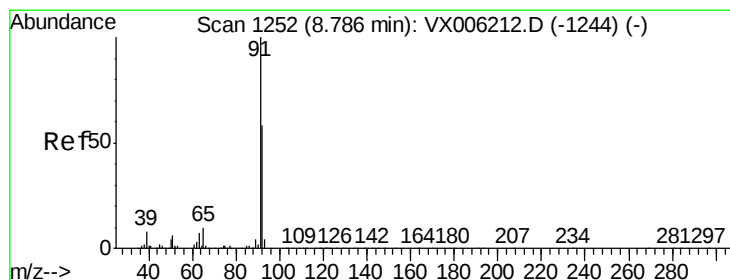
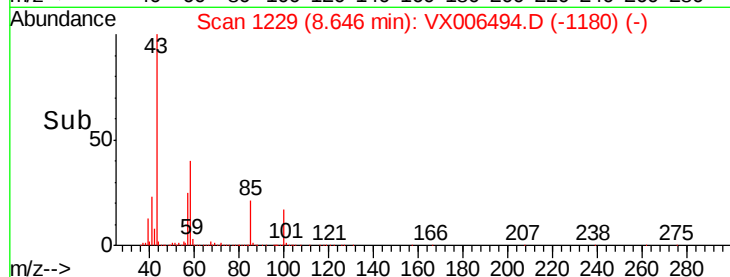
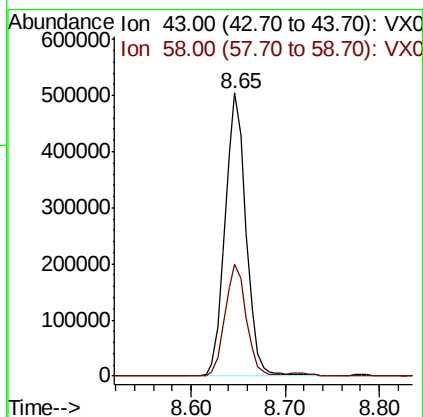
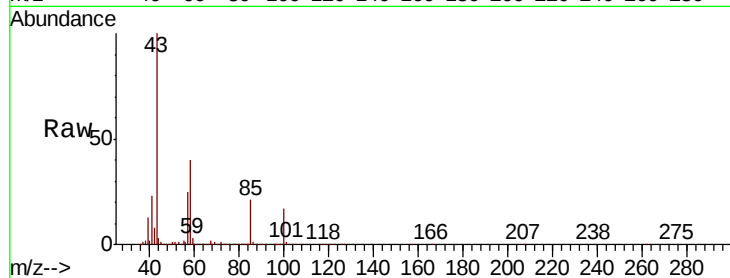
VX1213WBSD01

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#52

Toluene

Concen: 21.490 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006494.D

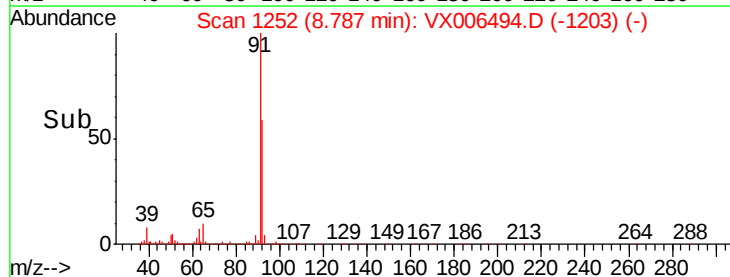
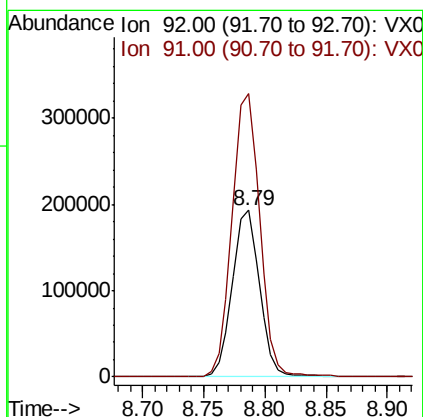
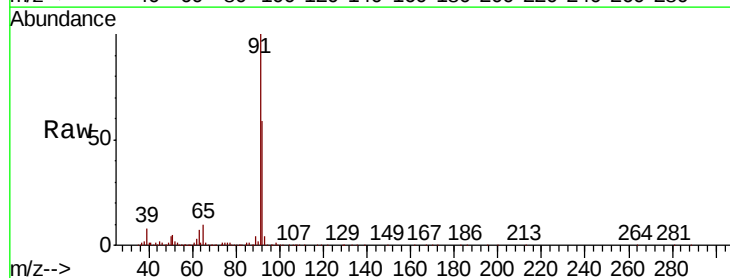
Acq: 13 Dec 2018 14:51

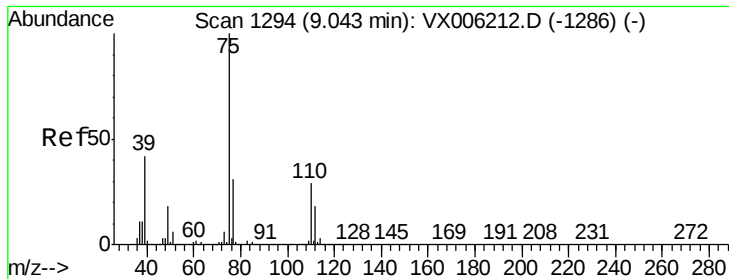
Tgt Ion: 92 Resp: 297516

Ion Ratio Lower Upper

92 100

91 173.8 139.2 208.8





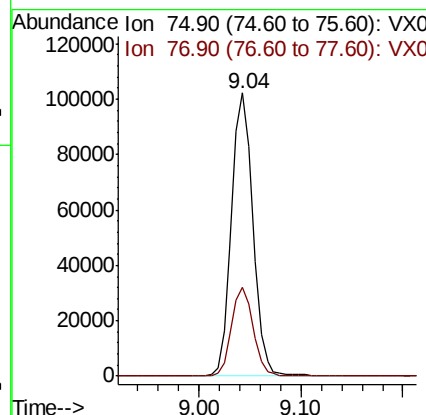
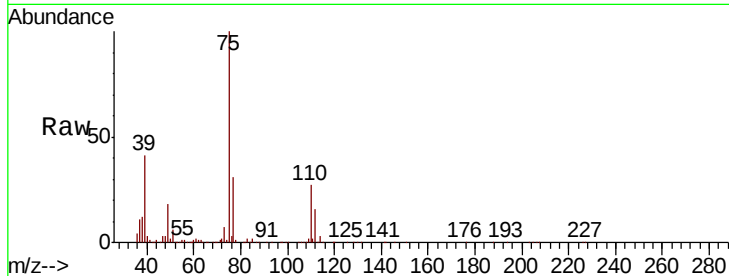
#53
t-1,3-Dichloropropene
Concen: 16.930 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

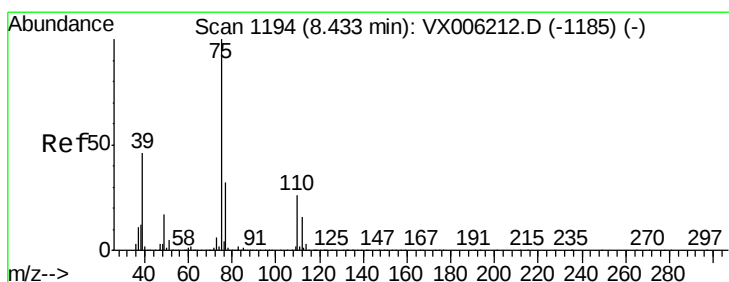
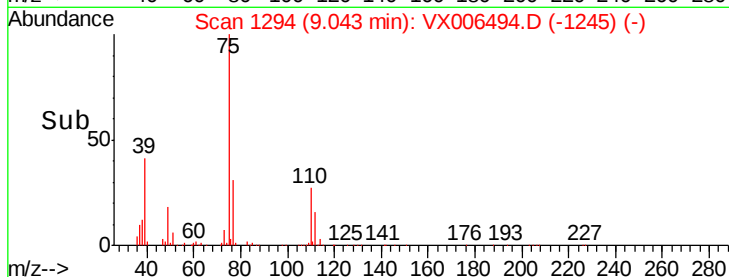
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4

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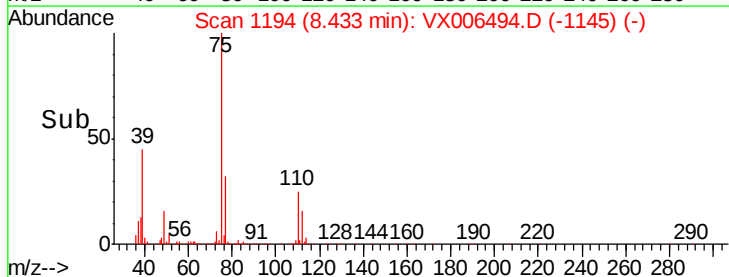
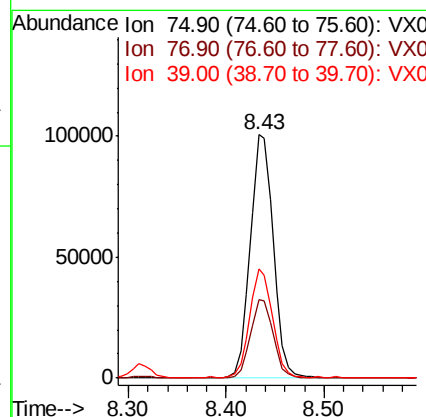
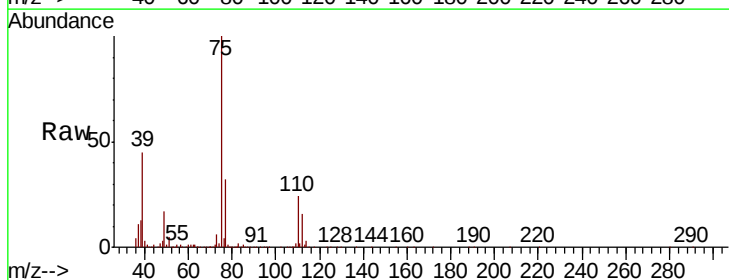


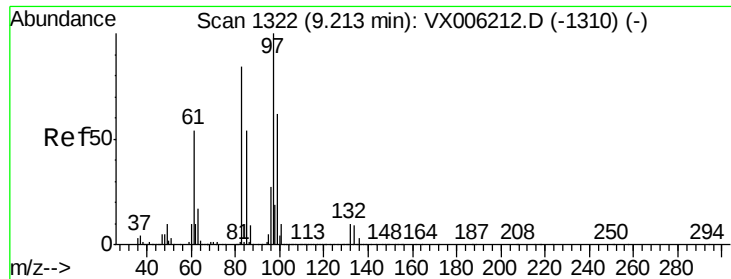
12/14/2018 9:35:04 AM



#54
cis-1,3-Dichloropropene
Concen: 18.110 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4
39	44.9	36.5	54.7





#55

1,1,2-Trichloroethane

Concen: 22.051 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

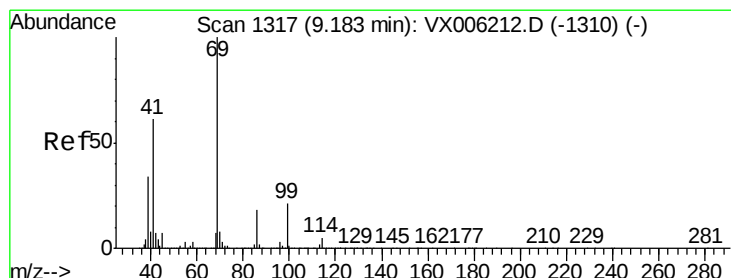
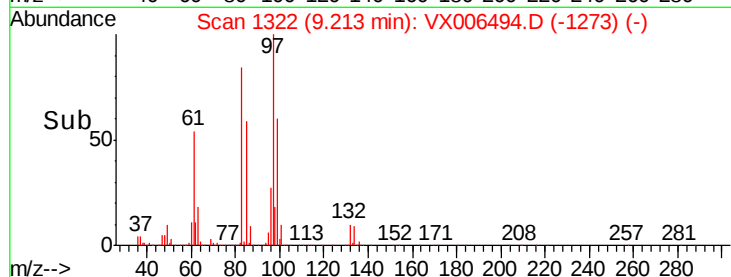
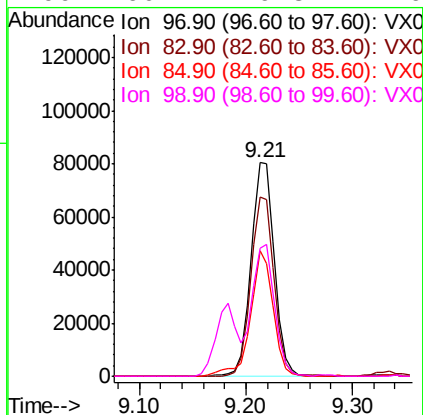
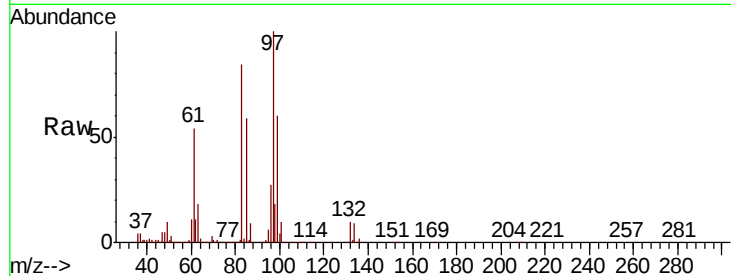
VX1213WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.0	67.1	100.7	
85	58.6	43.2	64.8	
99	60.2	49.8	74.6	

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#56

Ethyl methacrylate

Concen: 19.978 ug/l

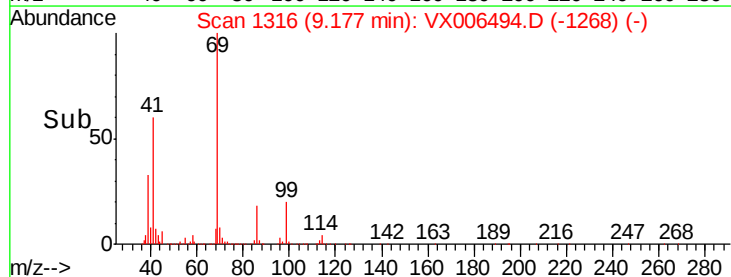
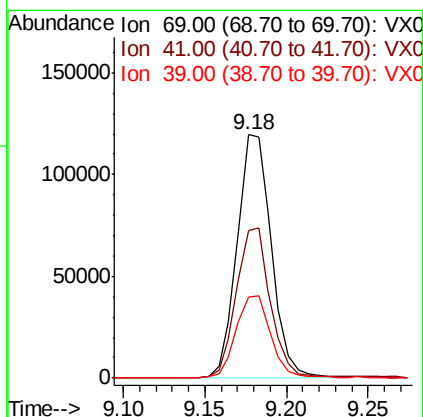
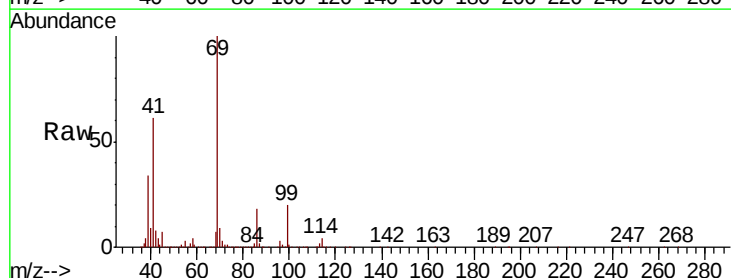
RT: 9.18 min Scan# 1316

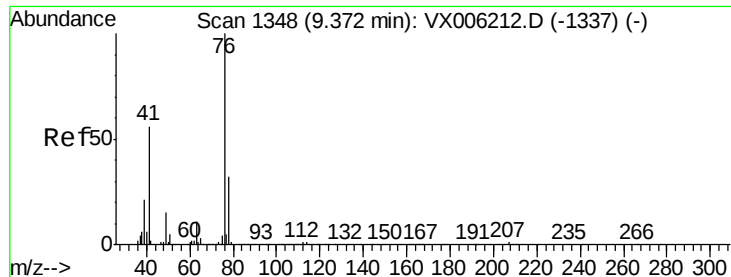
Delta R.T. -0.01 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	61.1	50.6	76.0	
39	33.7	27.6	41.4	





#57

1,3-Dichloropropane

Concen: 21.561 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tot Ion: 76 Resp: 191761

Ion Ratio Lower Upper

76 100

78 32.5 26.1 39.1

Instrument :

MSVOA_X

ClientSampleId :

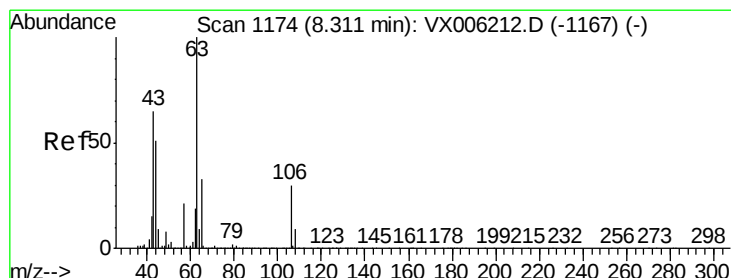
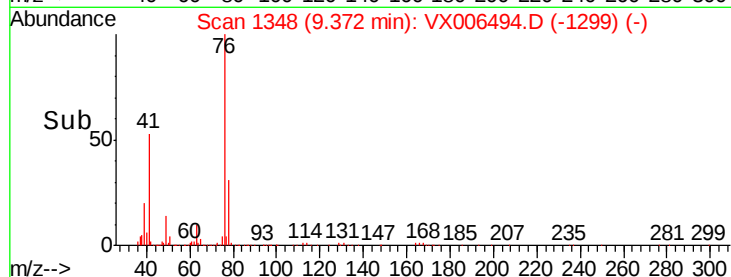
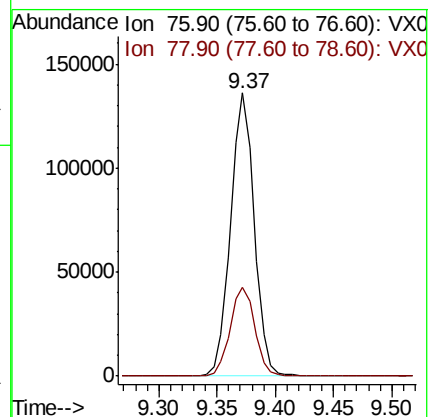
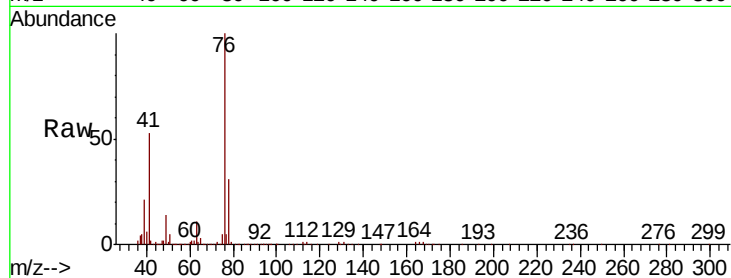
VX1213WBSD01

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.431 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006494.D

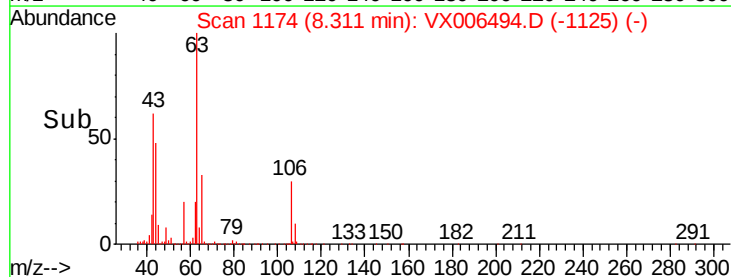
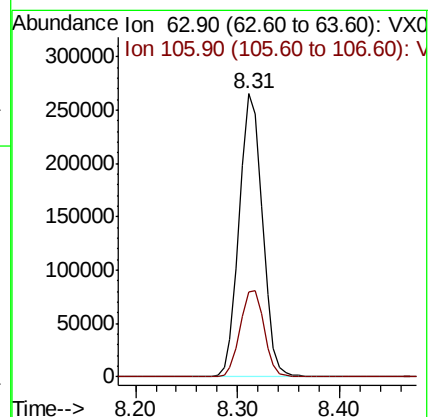
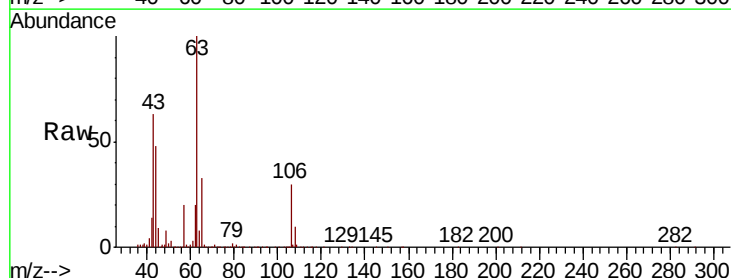
Acq: 13 Dec 2018 14:51

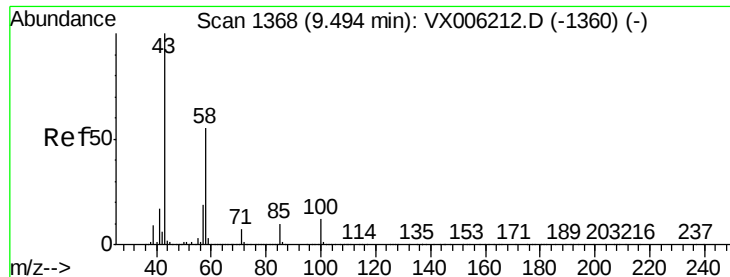
Tgt Ion: 63 Resp: 416879

Ion Ratio Lower Upper

63 100

106 31.5 24.9 37.3





#59
2-Hexanone
Concen: 102.938 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

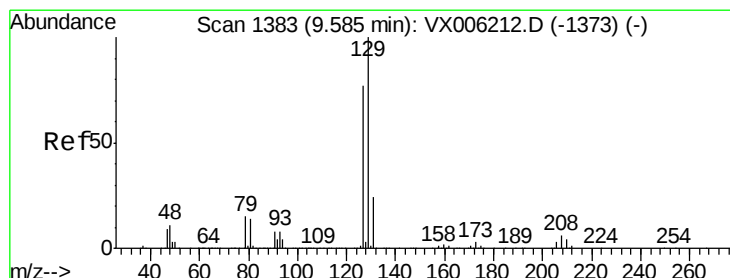
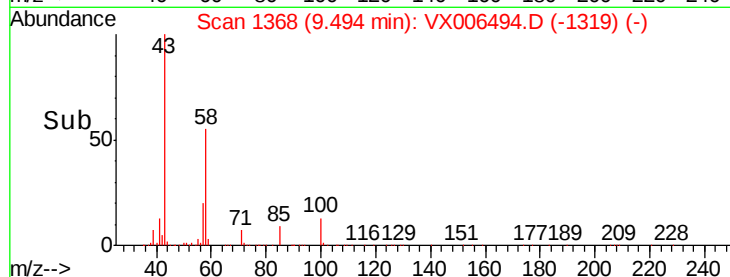
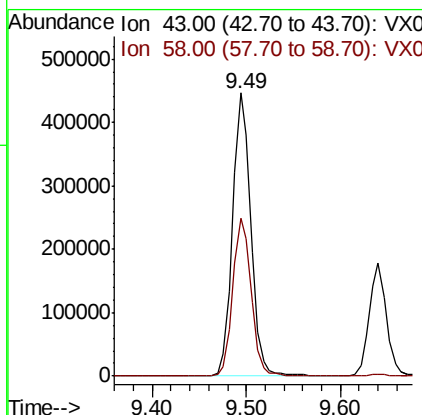
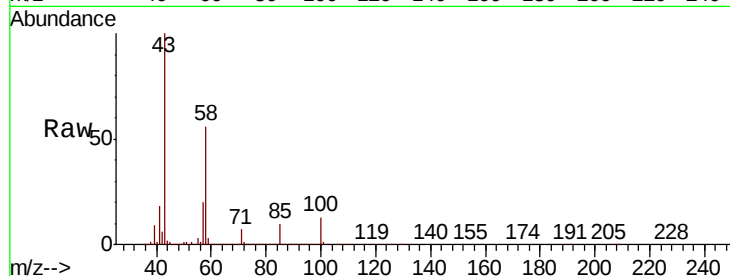
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion: 43 Resp: 600606
Ion Ratio Lower Upper
43 100
58 56.2 27.7 83.1

Manual Integrations
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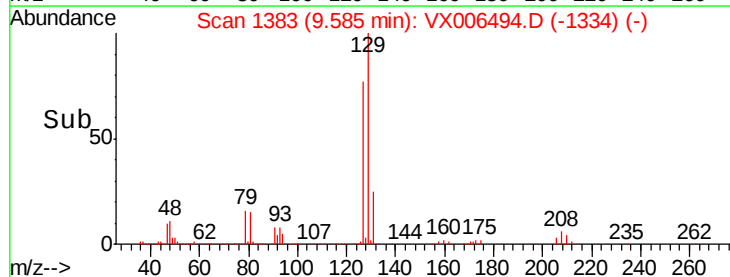
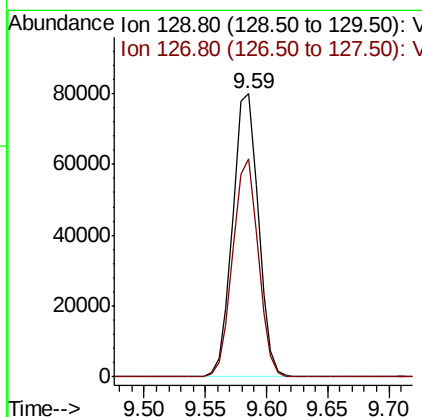
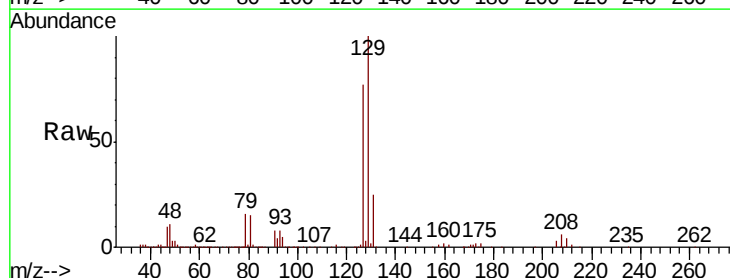
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#60
Dibromochloromethane
Concen: 16.741 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion: 129 Resp: 116109
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





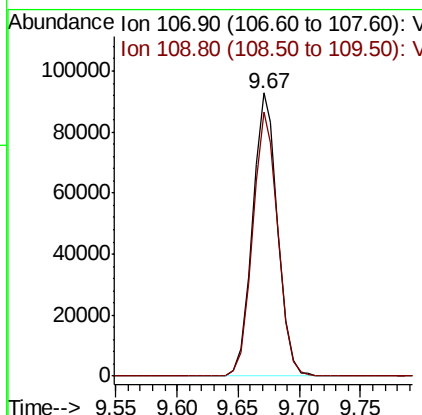
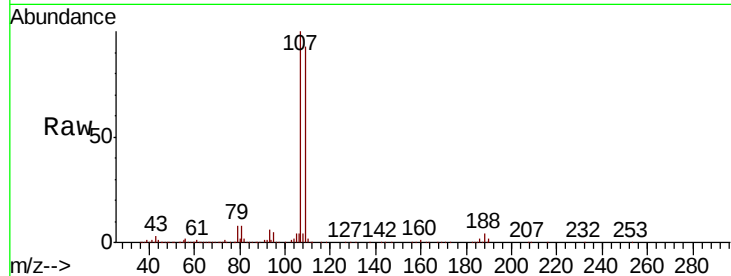
#61
 1,2-Dibromoethane
 Concen: 21.045 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

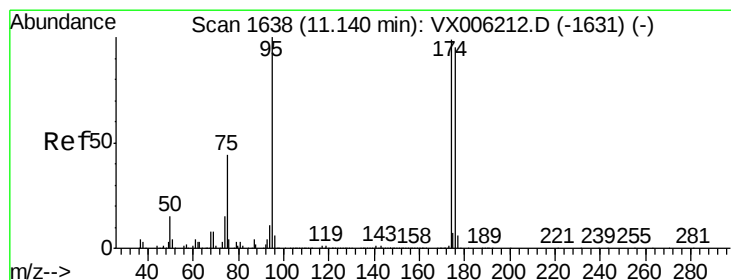
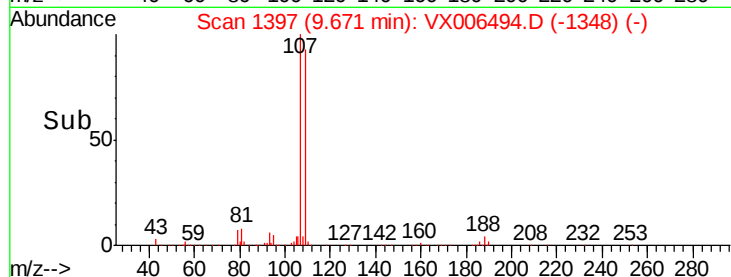
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.3	114.5

Manual Integrations
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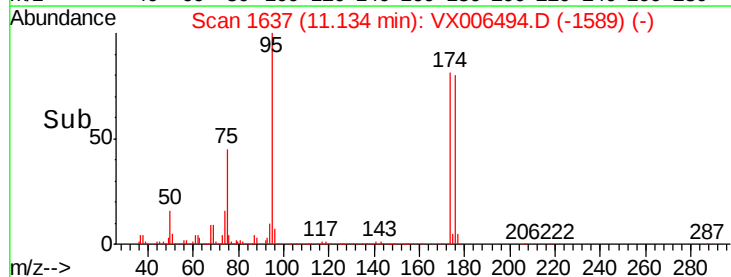
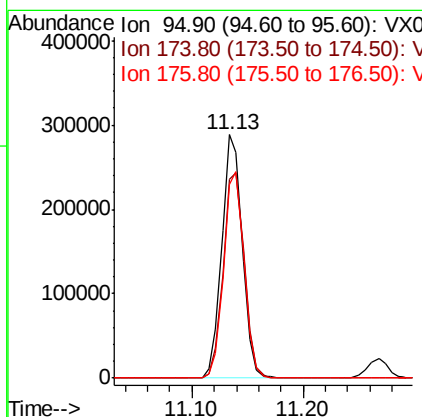
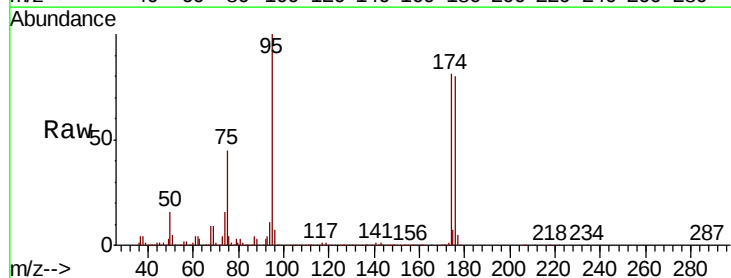


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#62
 4-Bromofluorobenzene
 Concen: 49.633 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	187.0
176	84.6	0.0	181.8





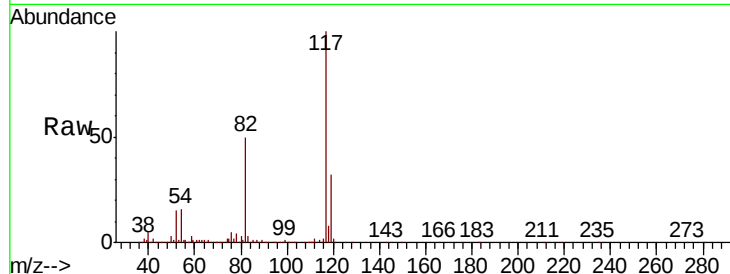
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampled :
VX1213WBSD01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	50.0	39.6	59.4
119	32.3	26.3	39.5

Manual Integrations
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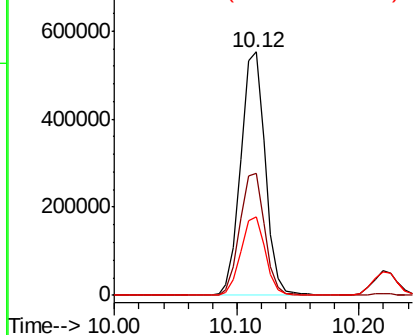


Abundance

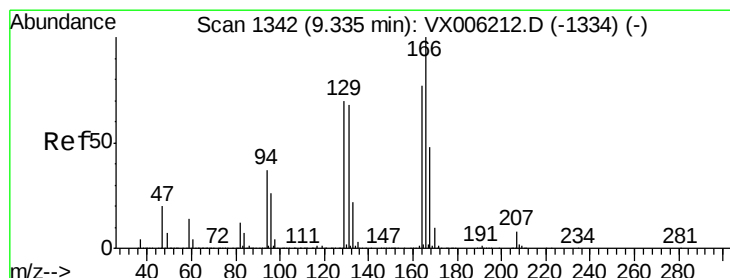
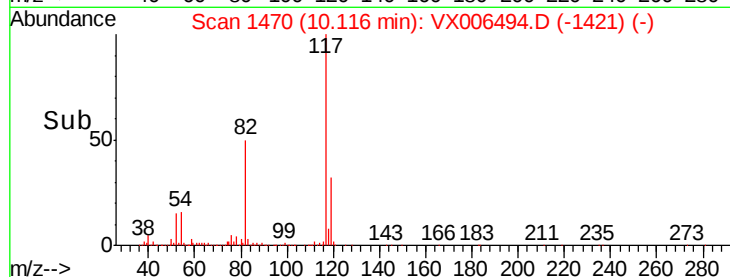
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 21.774 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	120.7	104.2	156.2
129	86.8	72.6	108.8
131	89.0	70.3	105.5

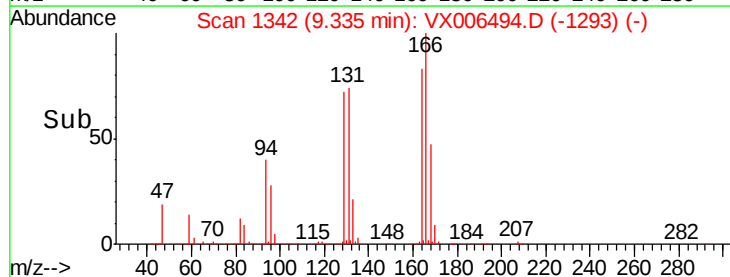
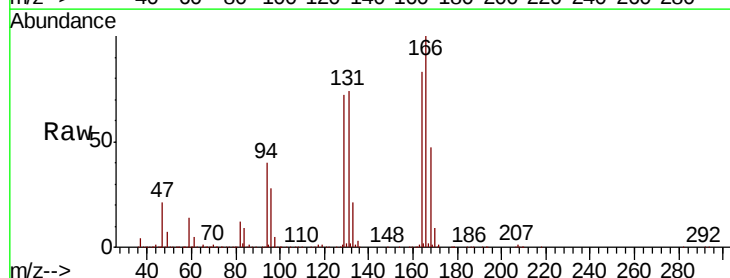
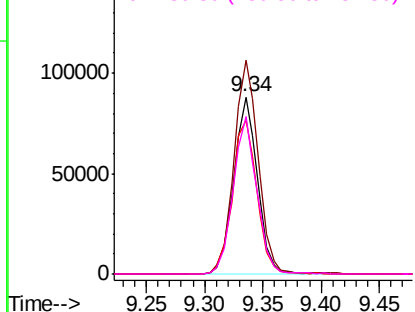
Abundance

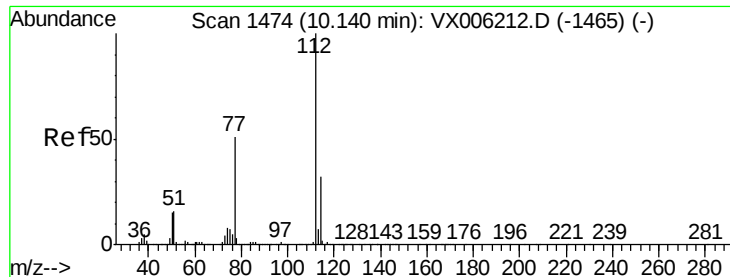
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.424 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion:112 Resp: 347758

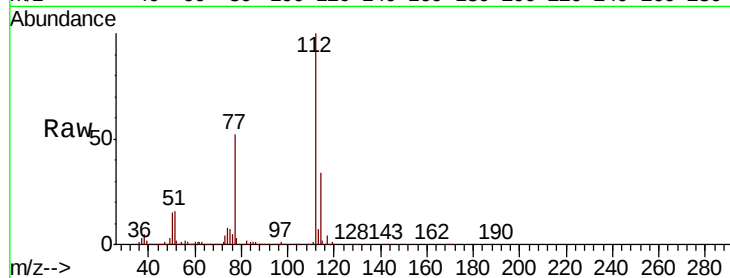
Ion Ratio Lower Upper

112 100

114 33.7 25.4 38.2

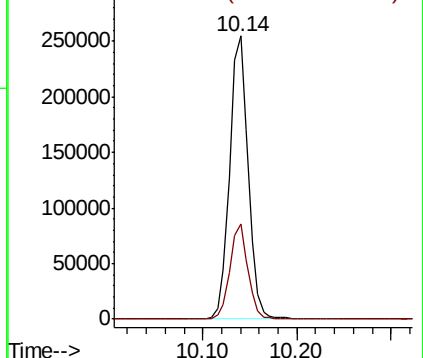
Manual Integrations
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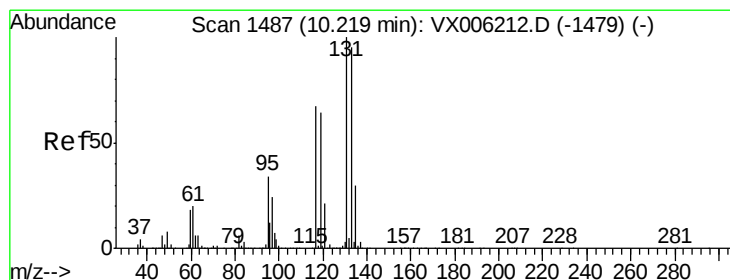
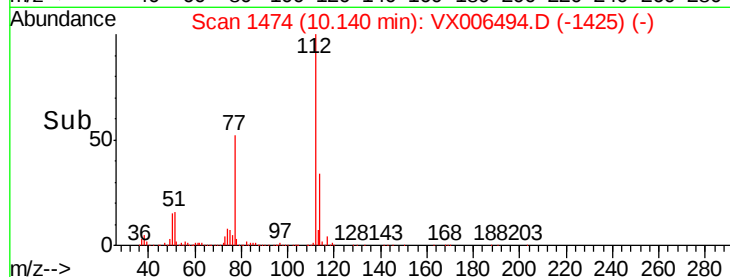


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



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#66

1,1,1,2-Tetrachloroethane

Concen: 18.644 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

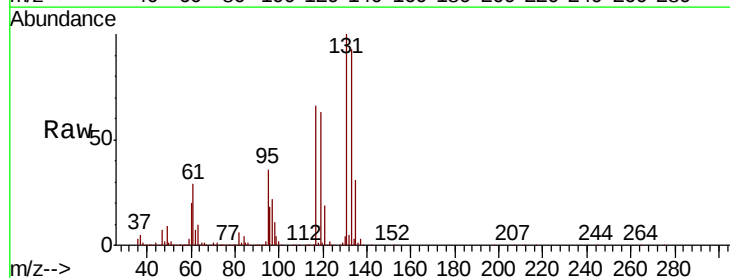
Tgt Ion:131 Resp: 117589

Ion Ratio Lower Upper

131 100

133 94.0 48.1 144.4

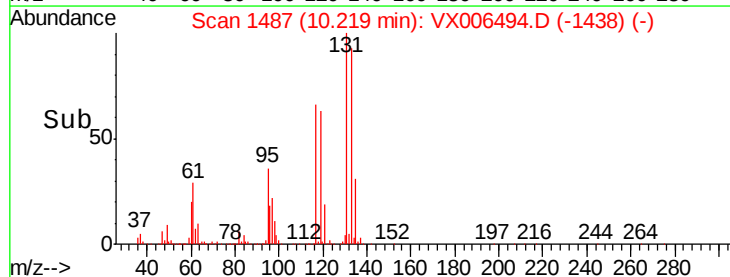
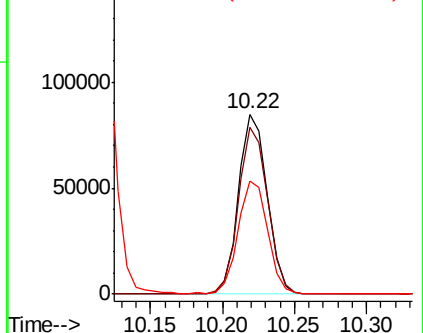
119 64.3 32.1 96.3

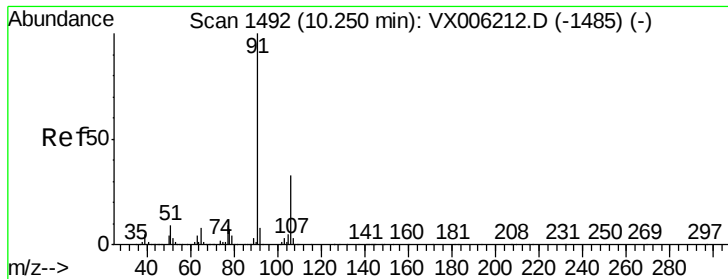


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.306 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampled :

VX1213WBSD01

Tot Ion: 91 Resp: 575227

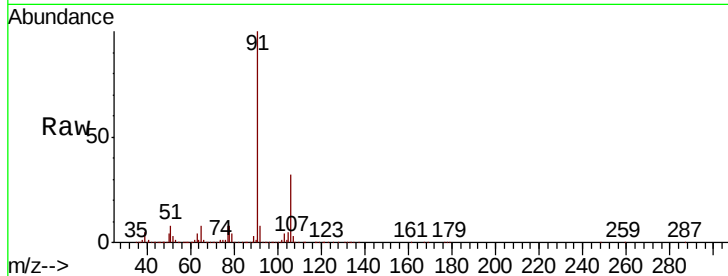
Ion Ratio Lower Upper

91 100

106 31.9 26.5 39.7

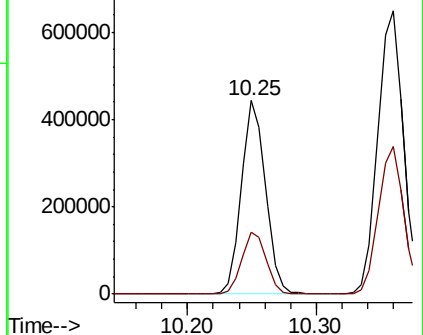
Manual Integrations
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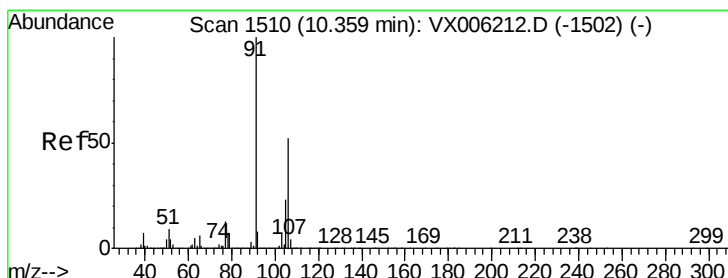
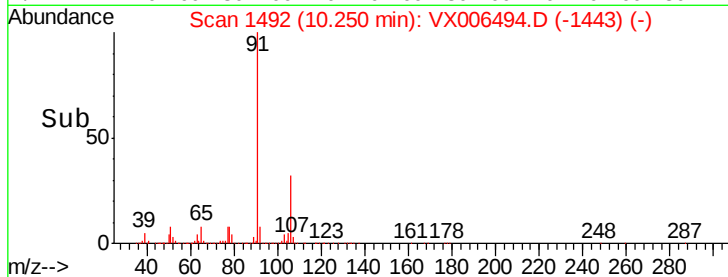


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



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#68

m/p-Xylenes

Concen: 42.445 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006494.D

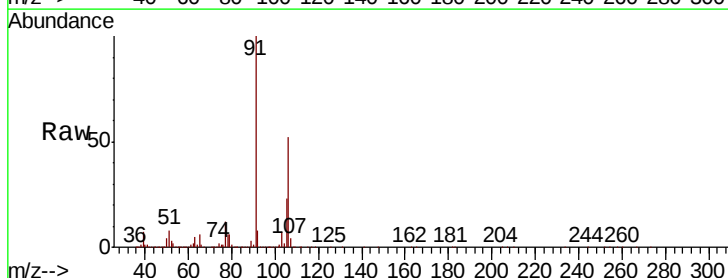
Acq: 13 Dec 2018 14:51

Tgt Ion: 106 Resp: 459024

Ion Ratio Lower Upper

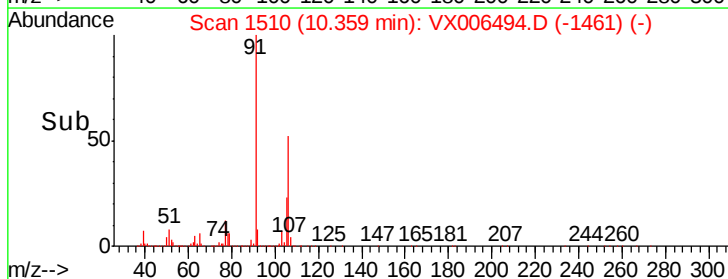
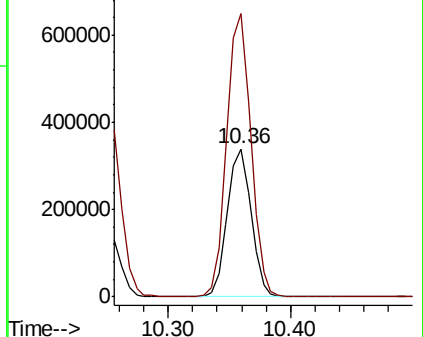
106 100

91 192.8 155.2 232.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69
o-Xylene
Concen: 21.428 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

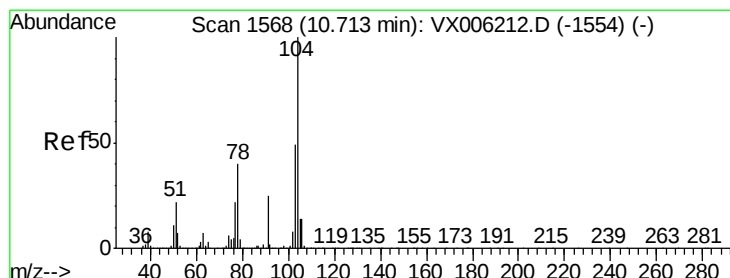
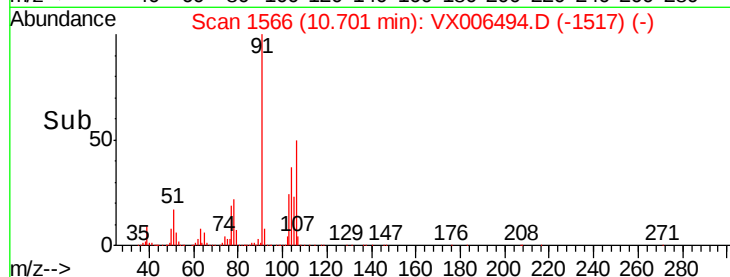
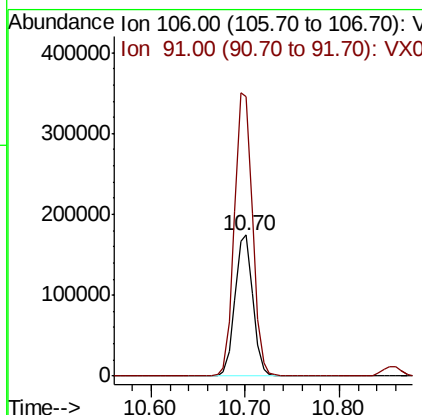
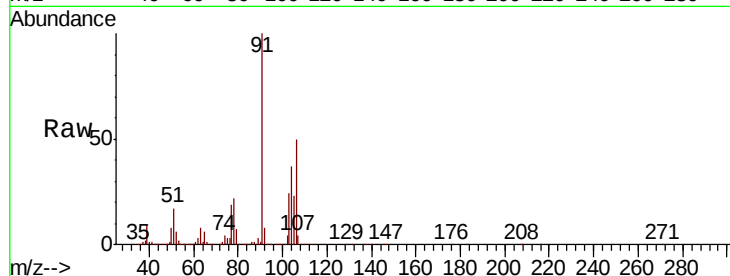
Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.1	101.8	305.6

Manual Integrations
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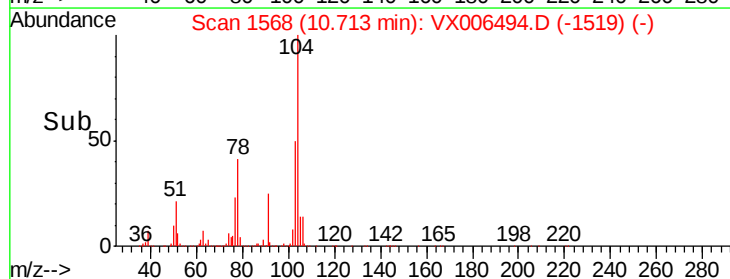
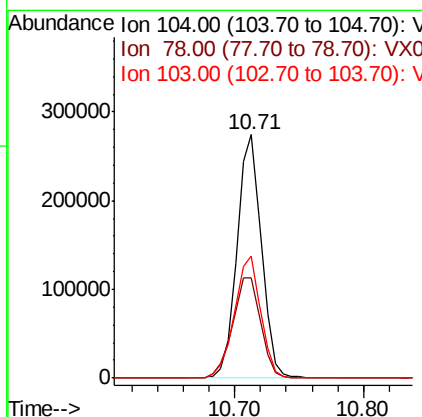
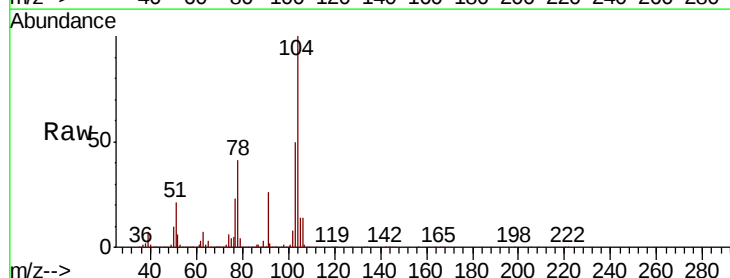
MM Dadoda

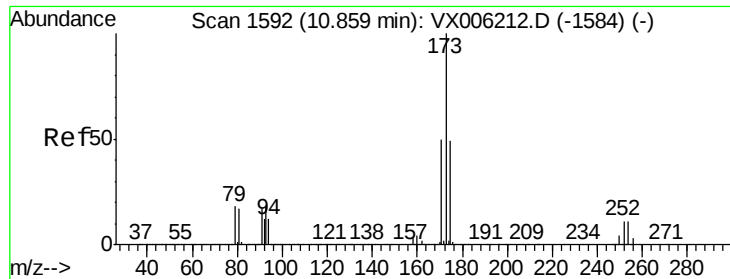
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#70
Styrene
Concen: 20.871 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	37.2	55.8
103	54.6	43.5	65.3





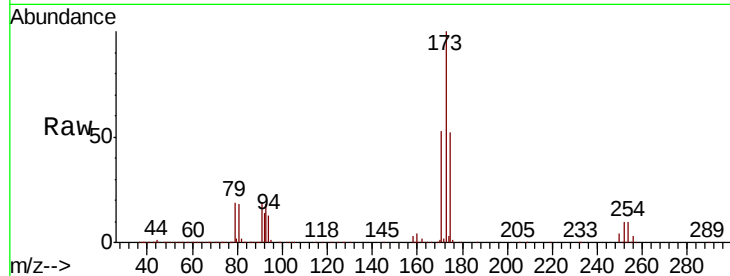
#71
Bromoform
Concen: 13.919 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.1	0.2	0.2

Manual Integrations
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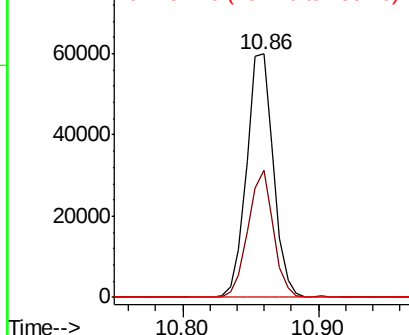


Abundance

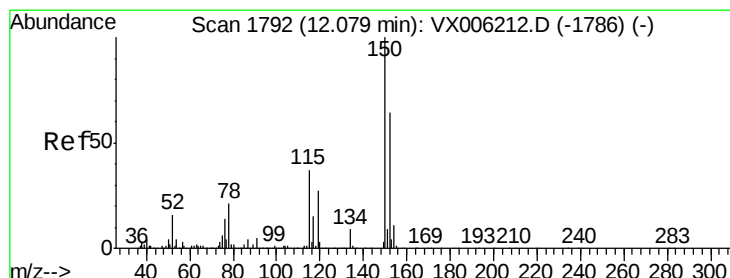
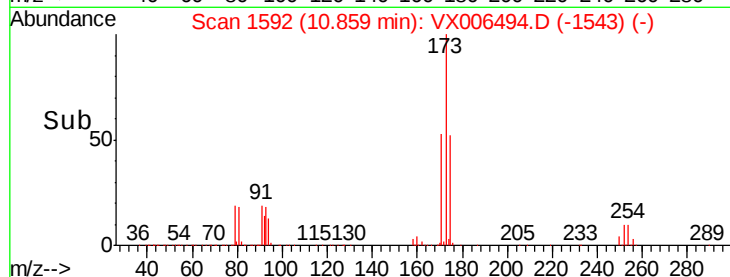
Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

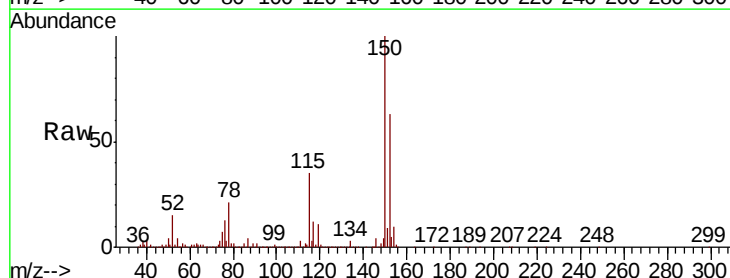


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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.0	39.0	116.9
150	164.6	0.0	345.8

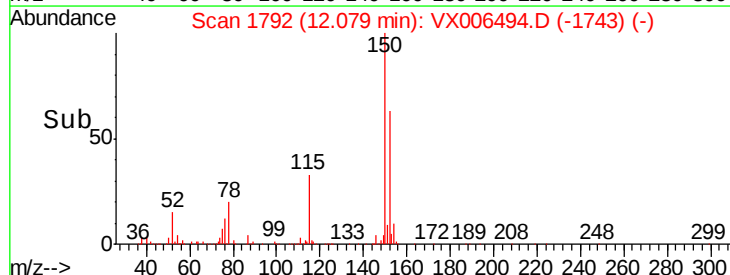
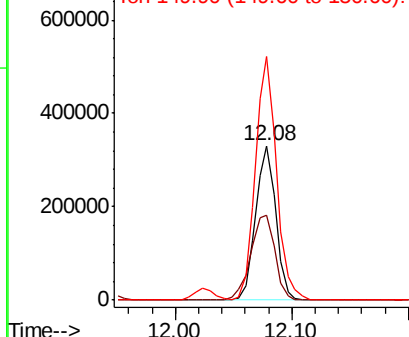


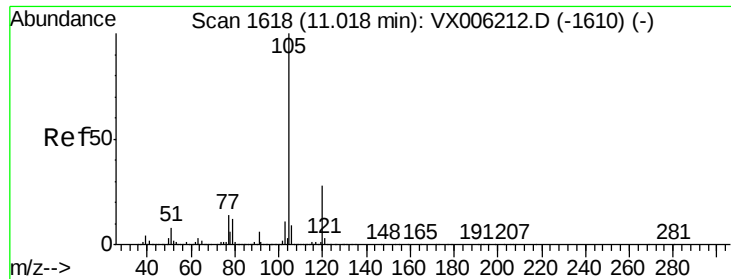
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.452 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion: 105 Resp: 592741

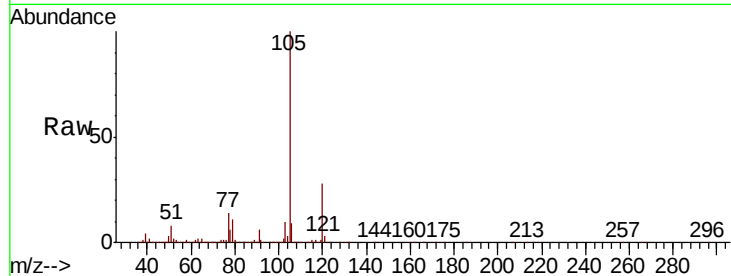
Ion Ratio Lower Upper

105 100

120 28.1 14.1 42.3

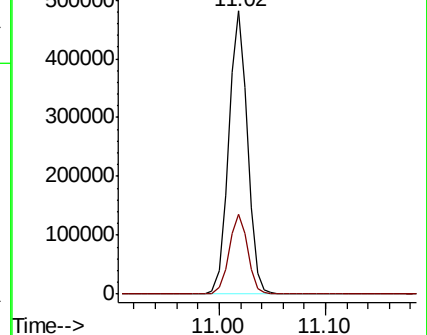
Manual Integrations
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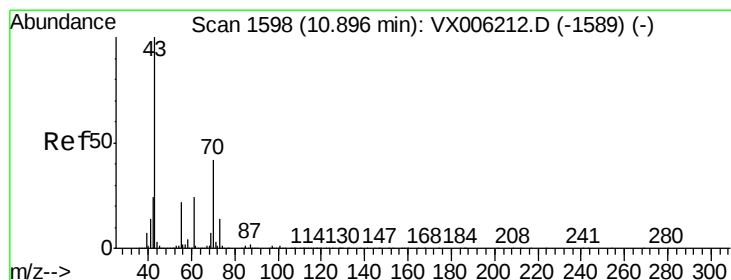
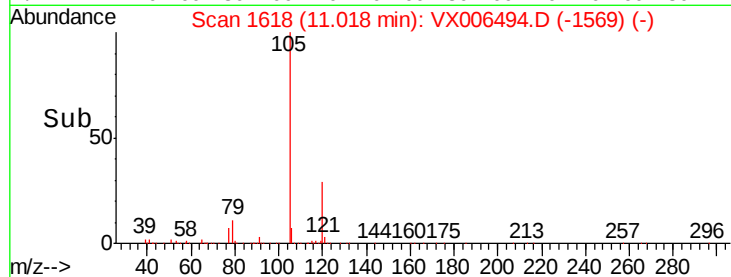


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 18.655 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tgt Ion: 43 Resp: 221968

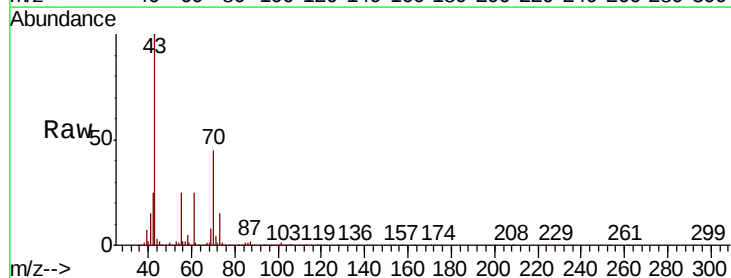
Ion Ratio Lower Upper

43 100

70 46.2 34.1 51.1

55 24.5 17.8 26.8

61 24.9 19.7 29.5

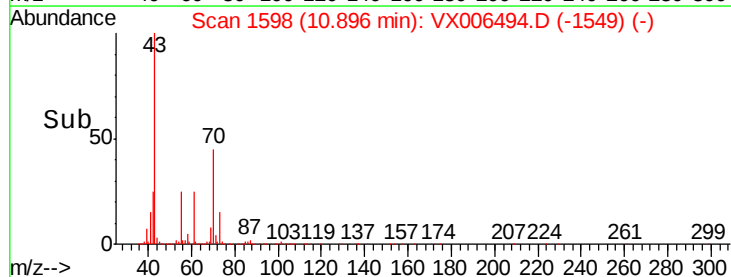
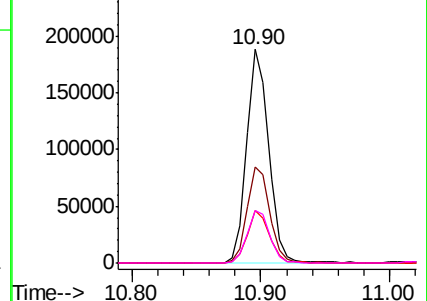


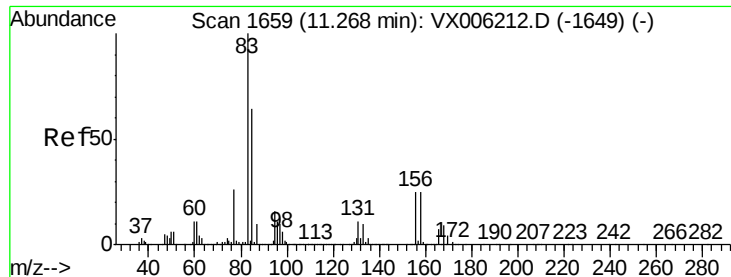
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.725 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion: 83 Resp: 183198

Ion Ratio Lower Upper

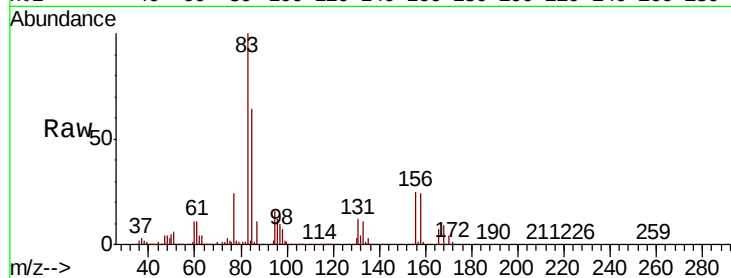
83 100

131 11.6 5.7 17.1

85 64.7 32.1 96.5

Manual Integrations
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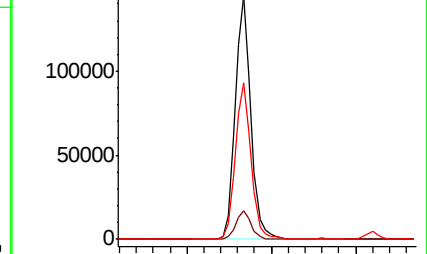
MMDadoda



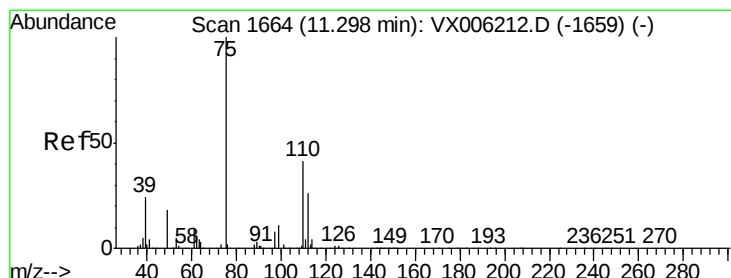
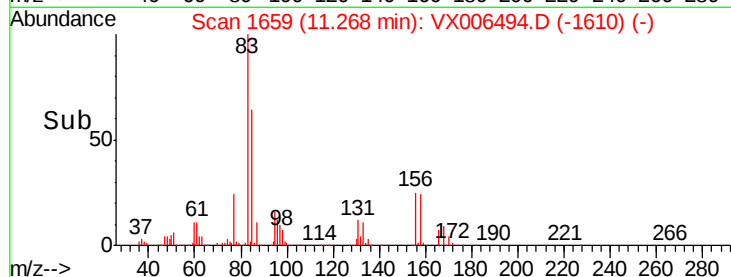
Abundance Ion 82.90 (82.60 to 83.60): VX006494.D (-1649) (-)

Ion 130.80 (130.50 to 131.50): VX006494.D (-1649) (-)

Ion 84.90 (84.60 to 85.60): VX006494.D (-1649) (-)



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#76

1,2,3-Trichloropropane

Concen: 21.984 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006494.D

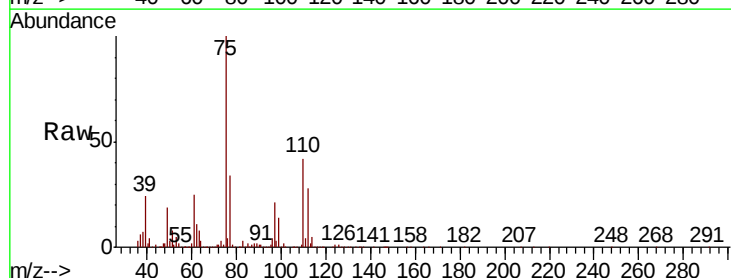
Acq: 13 Dec 2018 14:51

Tgt Ion: 75 Resp: 169773

Ion Ratio Lower Upper

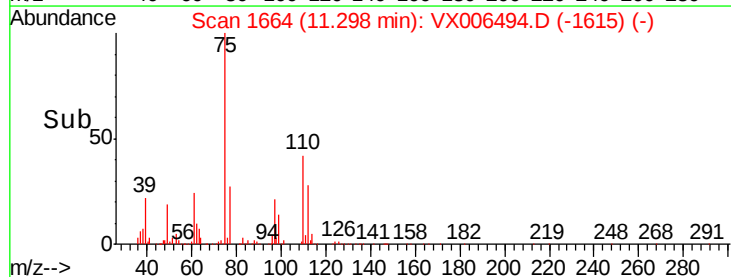
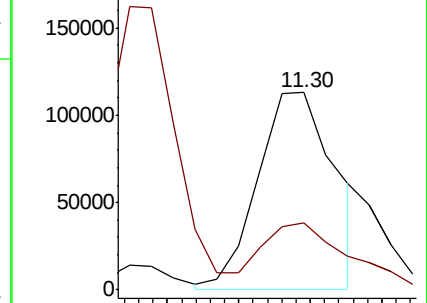
75 100

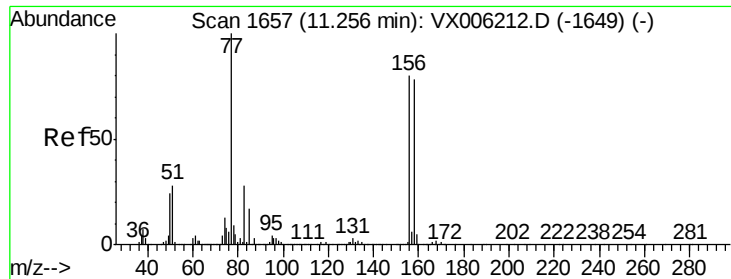
77 37.5 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX006494.D (-1615) (-)

Ion 77.00 (76.70 to 77.70): VX006494.D (-1615) (-)





#77

Bromobenzene

Concen: 20.589 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampleId :

VX1213WBSD01

Tot Ion: 156 Resp: 157879

Ion Ratio Lower Upper

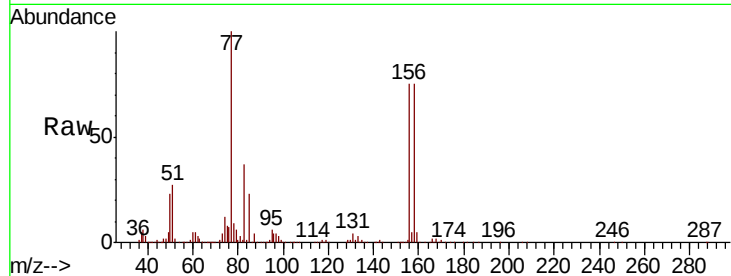
156 100

77 140.5 66.2 198.6

158 98.8 48.8 146.4

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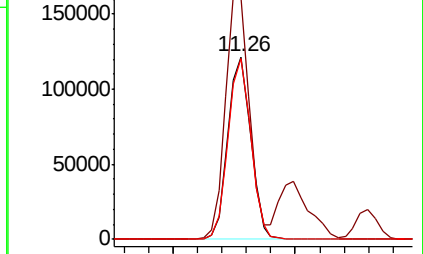
MM Dadoda



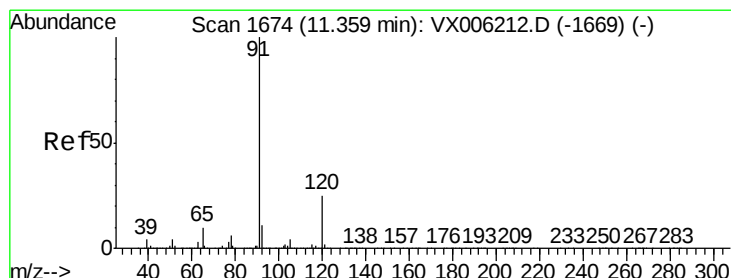
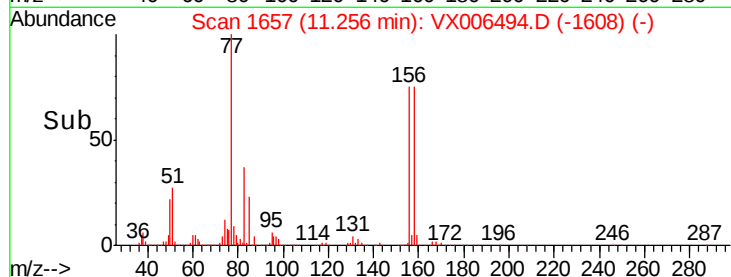
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 21.273 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006494.D

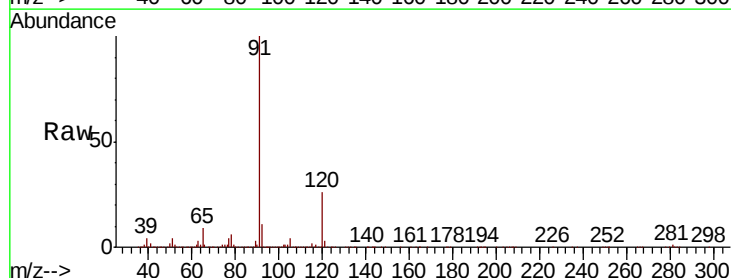
Acq: 13 Dec 2018 14:51

Tgt Ion: 91 Resp: 653369

Ion Ratio Lower Upper

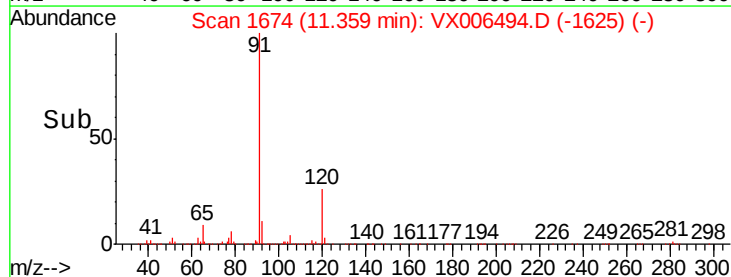
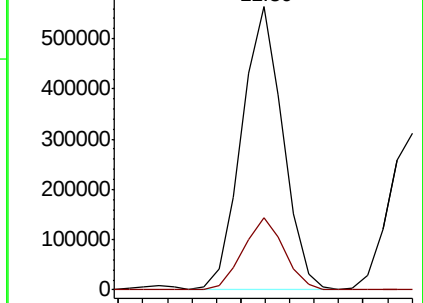
91 100

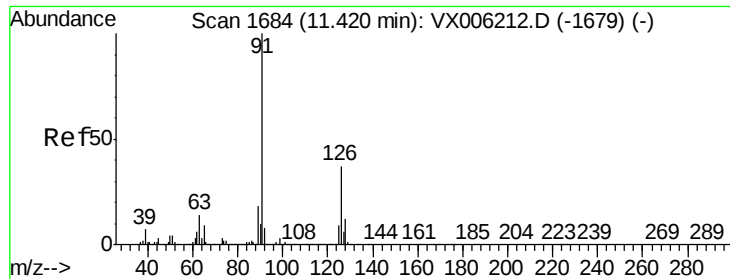
120 25.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





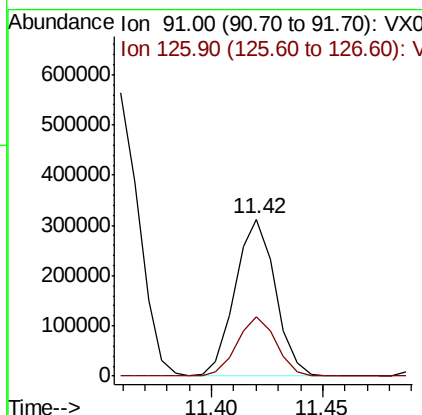
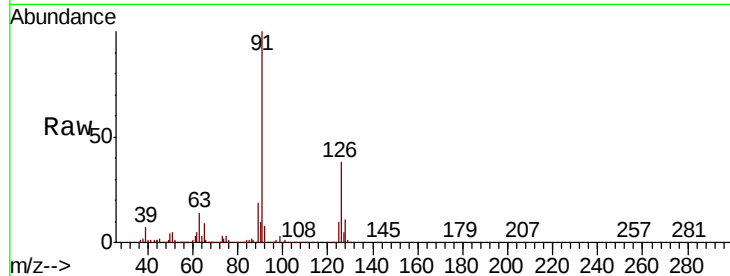
#79
 2-Chlorotoluene
 Concen: 21.467 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

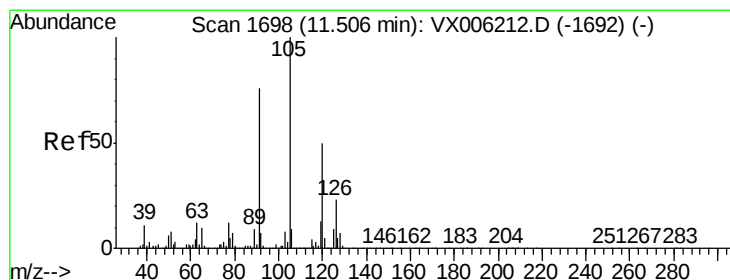
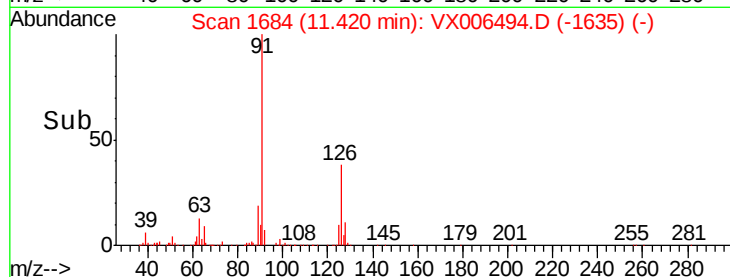
Tot Ion: 91 Resp: 391876
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.6 56.0

Manual Integrations
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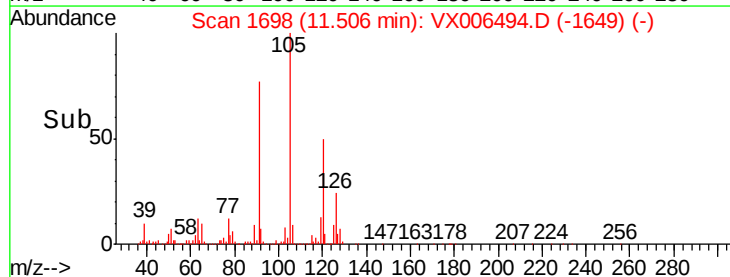
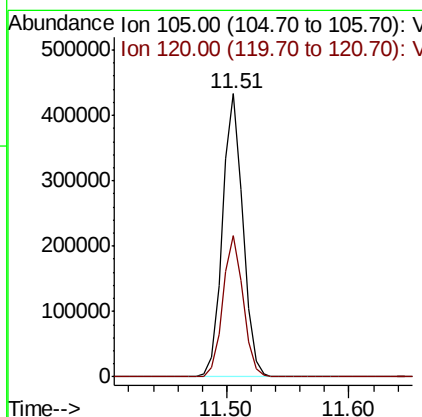
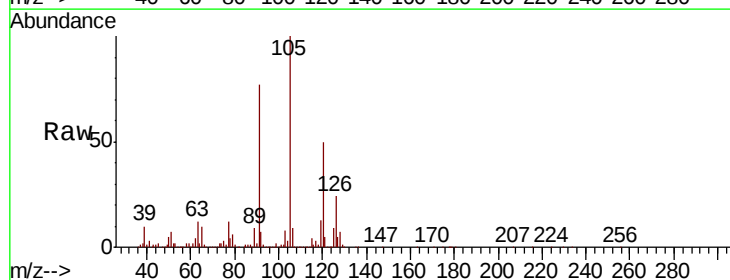


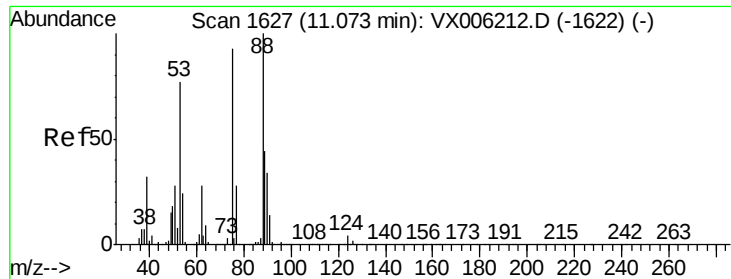
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.671 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Tgt Ion: 105 Resp: 498194
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.273 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

ClientSampled :

VX1213WBSD01

Tot Ion: 75 Resp: 43679

Ion Ratio Lower Upper

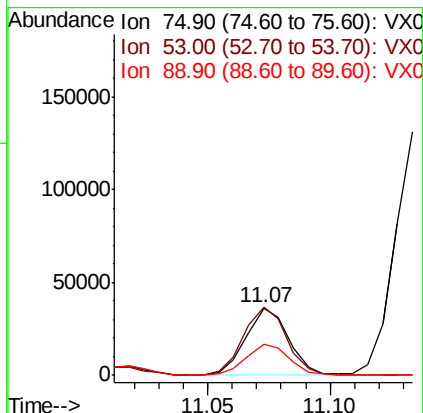
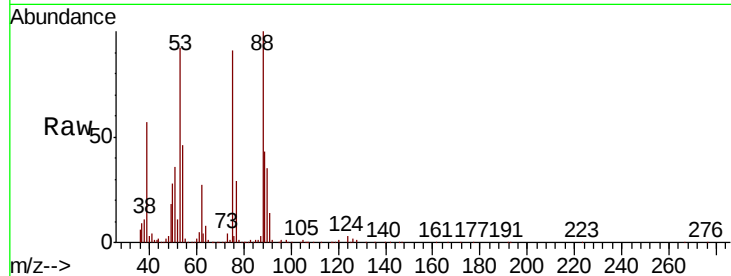
75 100

53 103.2 64.4 96.6#

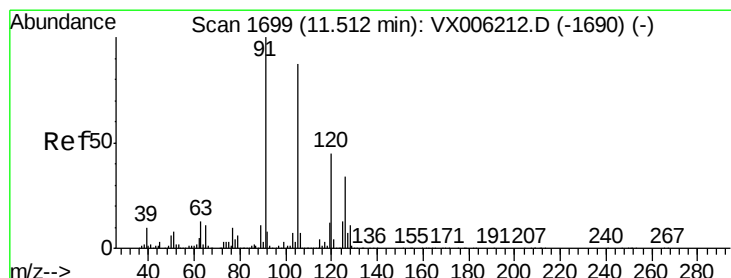
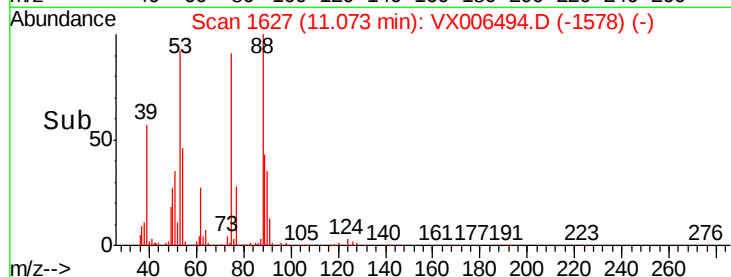
89 47.1 44.2 66.4

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#82

4-Chlorotoluene

Concen: 21.225 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006494.D

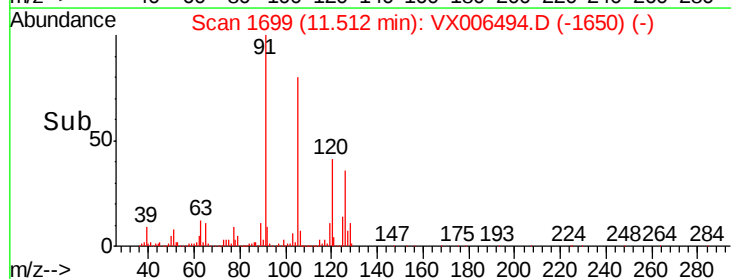
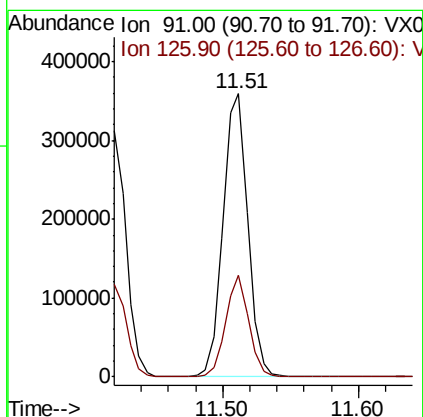
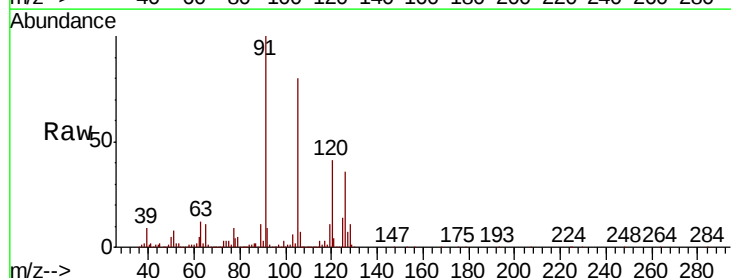
Acq: 13 Dec 2018 14:51

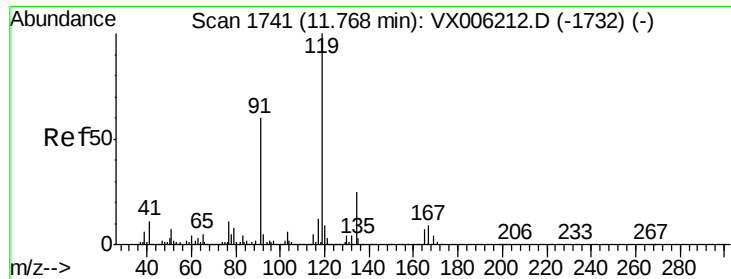
Tgt Ion: 91 Resp: 450486

Ion Ratio Lower Upper

91 100

126 33.2 16.4 49.4





#83

tert-Butylbenzene

Concen: 20.874 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

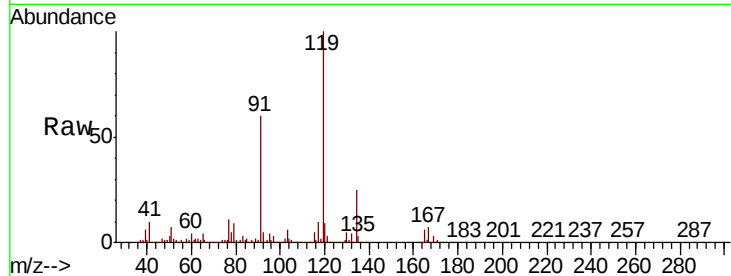
ClientSampled :

VX1213WBSD01

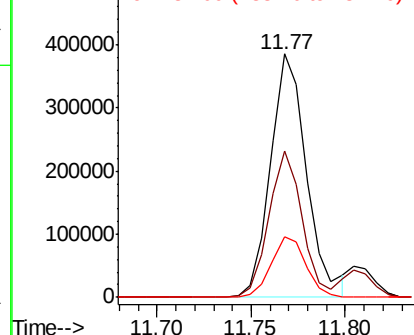
Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100				
91	55.3	26.4	79.2		
134	24.0	11.6	34.7		

Manual Integrations
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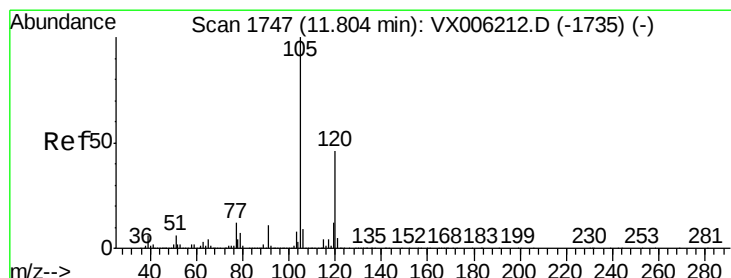
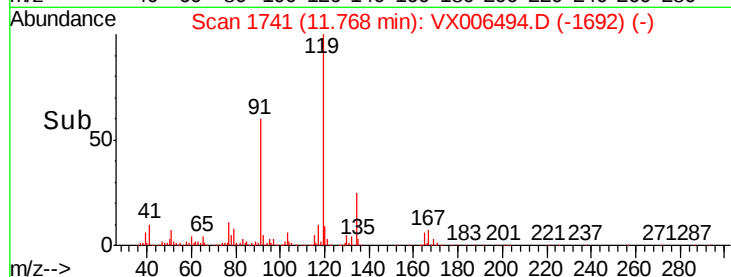
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



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#84

1,2,4-Trimethylbenzene

Concen: 21.580 ug/l

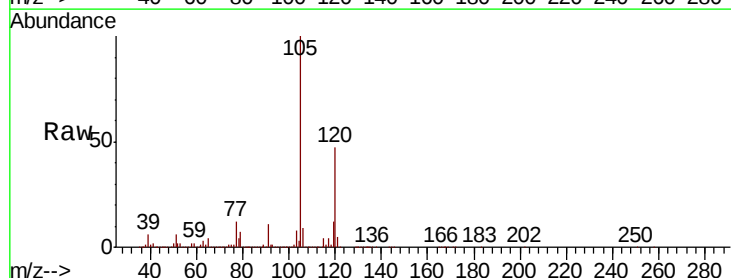
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

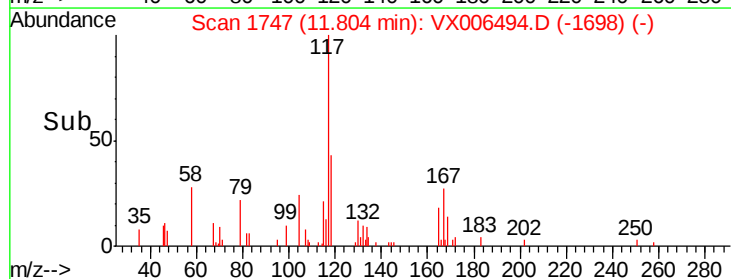
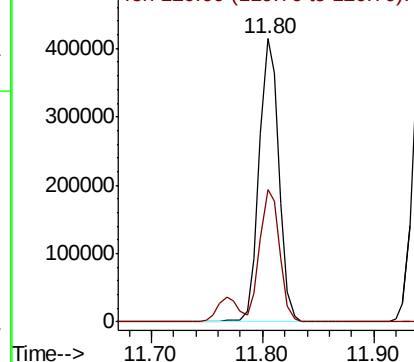
Lab File: VX006494.D

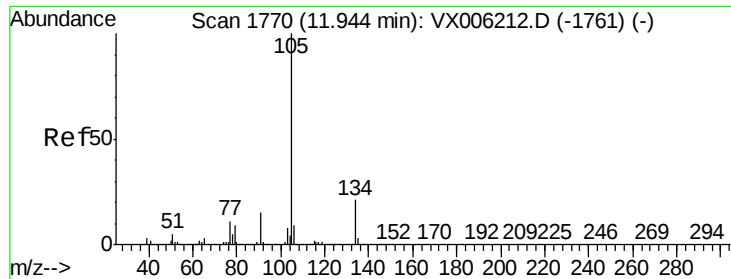
Acq: 13 Dec 2018 14:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
120	46.8	23.4	70.0		



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





#85
 sec-Butylbenzene
 Concen: 21.705 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

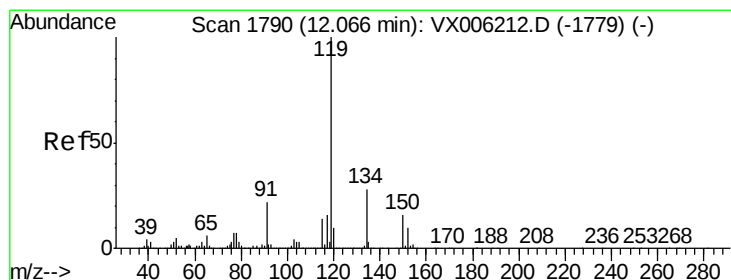
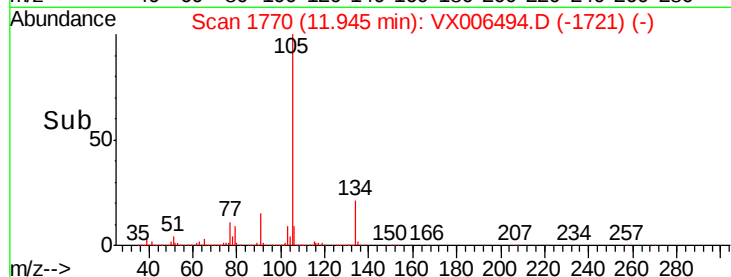
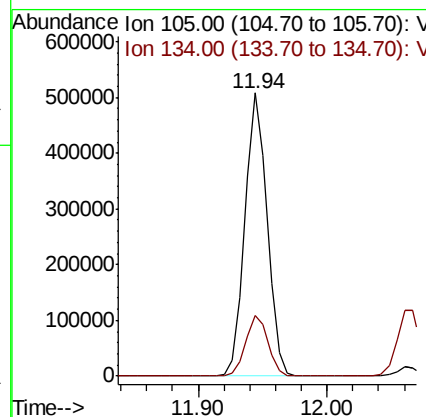
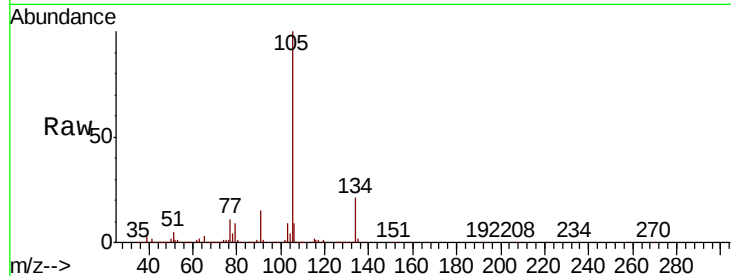
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.8	32.4

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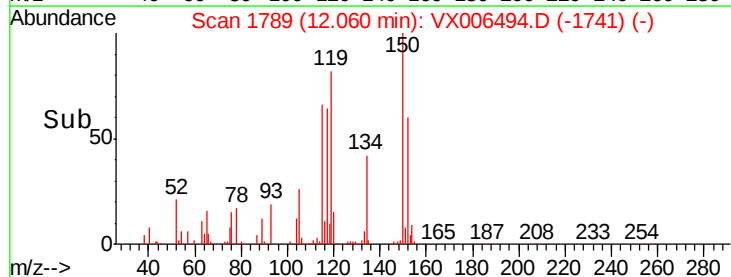
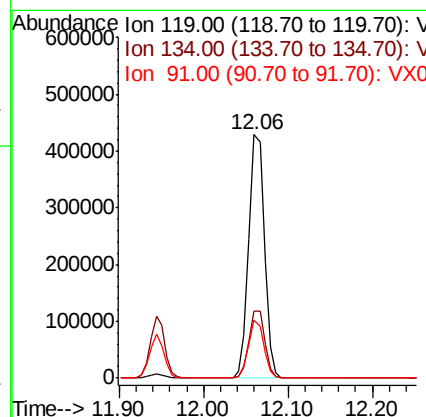
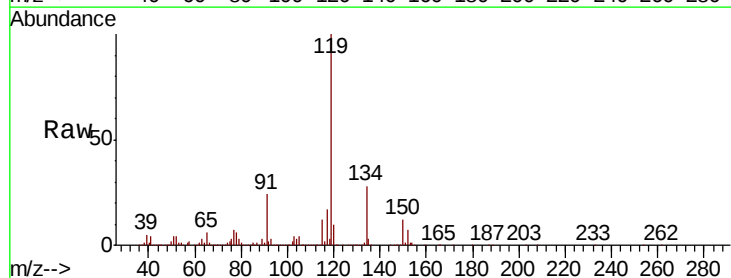
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#86
 p-Isopropyltoluene
 Concen: 21.158 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.9	41.6
91	23.1	11.3	33.8





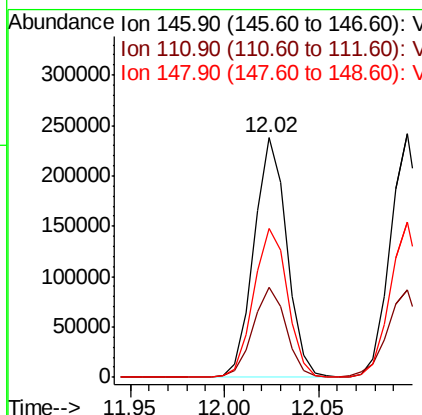
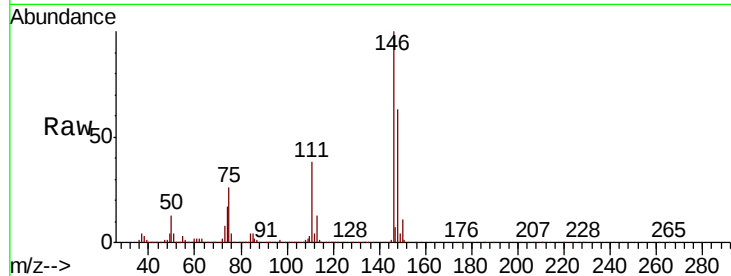
#87
 1,3-Dichlorobenzene
 Concen: 20.996 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

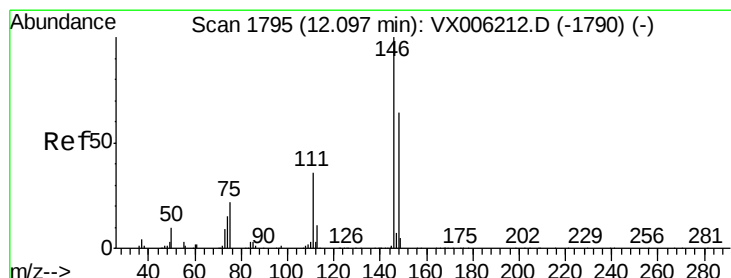
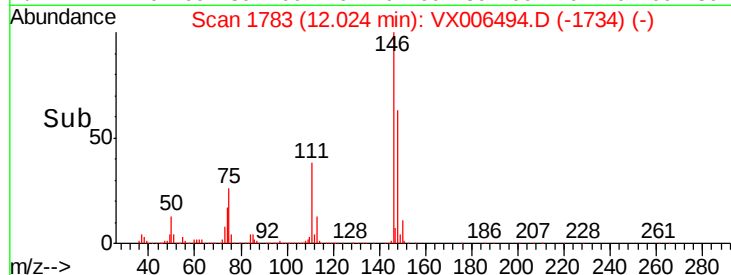
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.4	55.2
148	64.4	32.0	96.0

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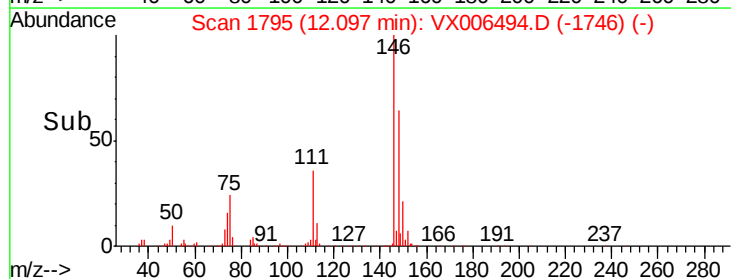
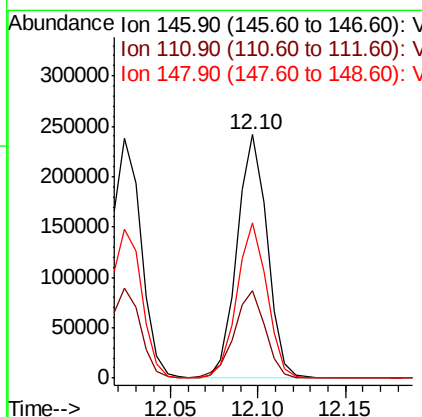
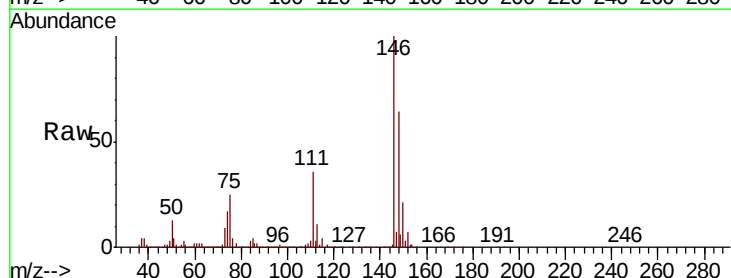


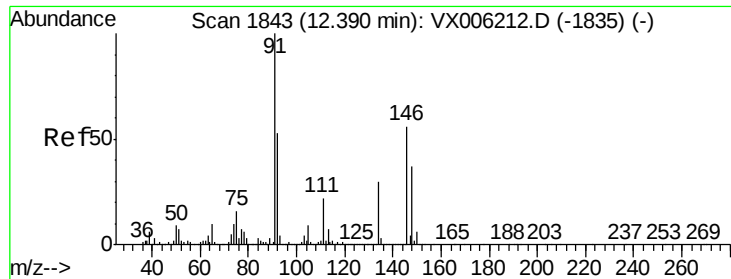
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#88
 1,4-Dichlorobenzene
 Concen: 20.834 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.3	54.8
148	63.8	31.9	95.9





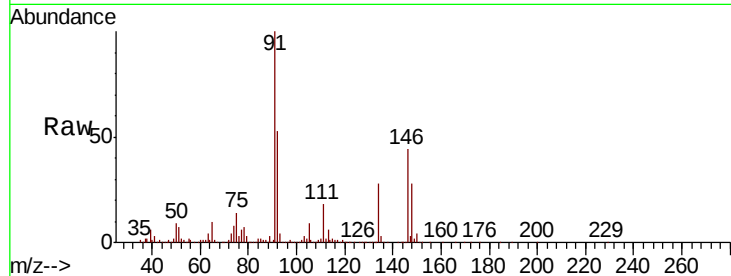
#89
n-Butylbenzene
Concen: 20.609 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

Instrument :
MSVOA_X
ClientSampleId :
VX1213WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		441848		
92	53.1	26.6	79.8		
134	28.4	14.8	44.3		

Manual Integrations
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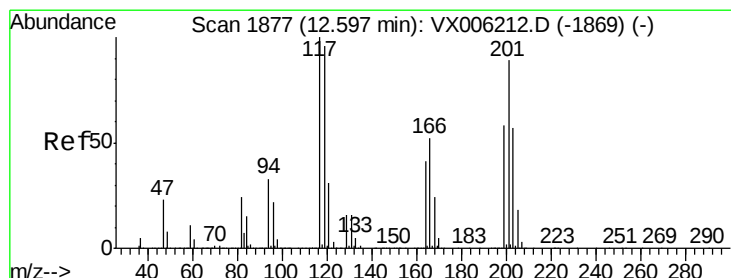
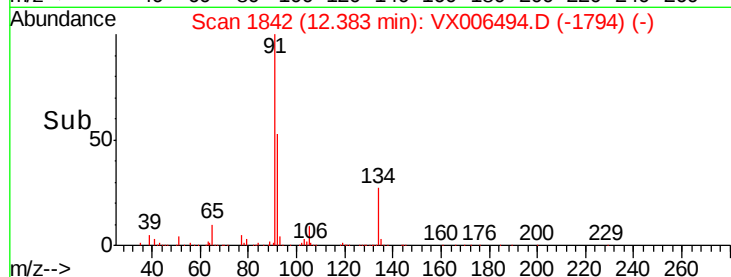


Abundance

Ion 91.00 (90.70 to 91.70): VX006494.D (-1794) (-)

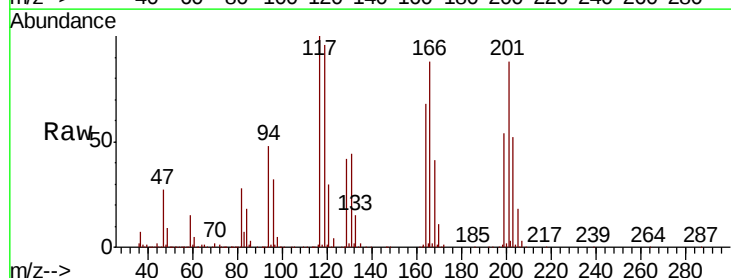
Time-->

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#90
Hexachloroethane
Concen: 15.582 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006494.D
Acq: 13 Dec 2018 14:51

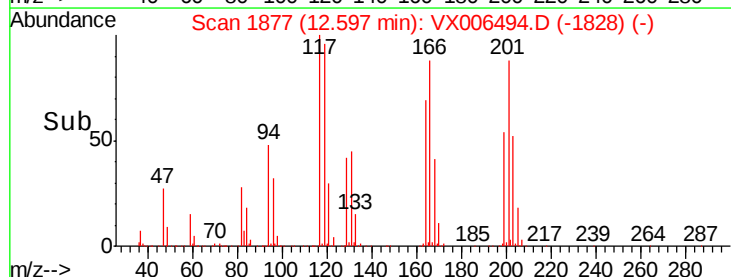
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		79799		
201	84.1	44.7	134.1		

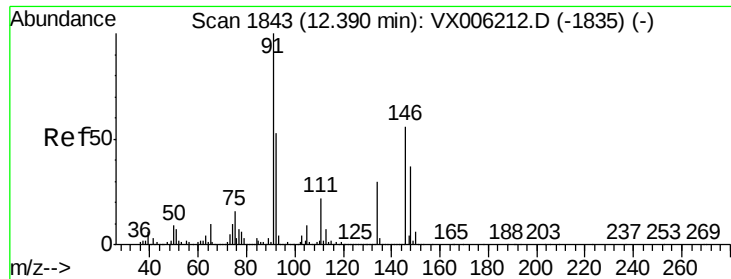


Abundance

Ion 116.80 (116.50 to 117.50): VX006494.D (-1828) (-)

Time-->





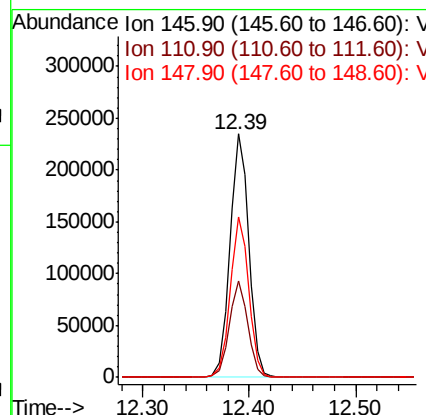
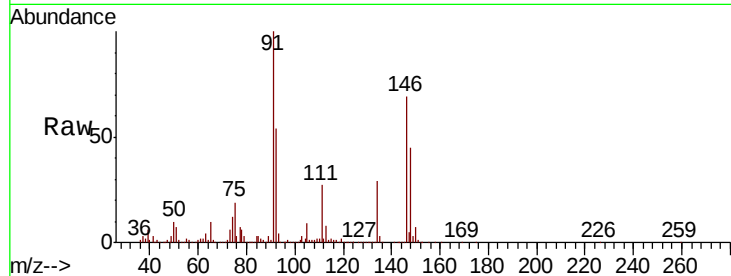
#91
 1,2-Dichlorobenzene
 Concen: 21.495 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

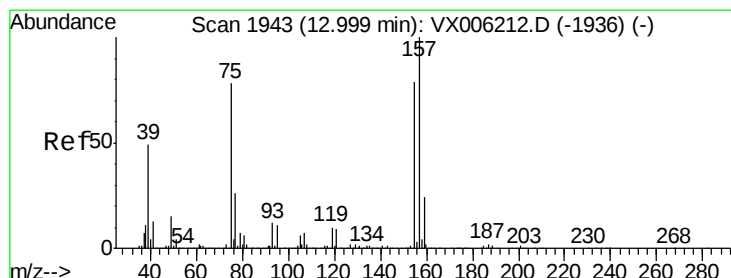
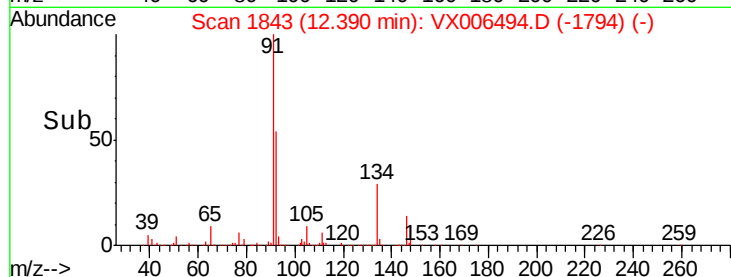
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.6	32.1	96.3

Manual Integrations
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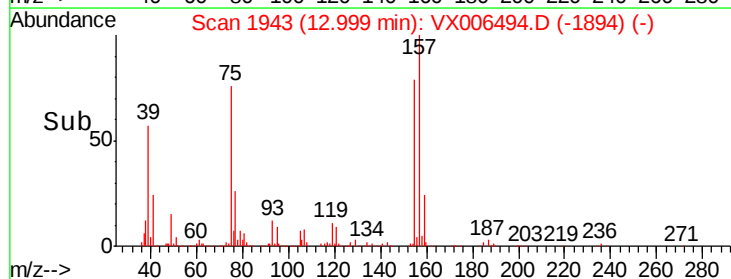
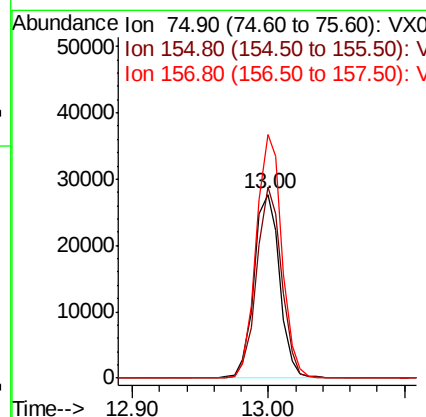
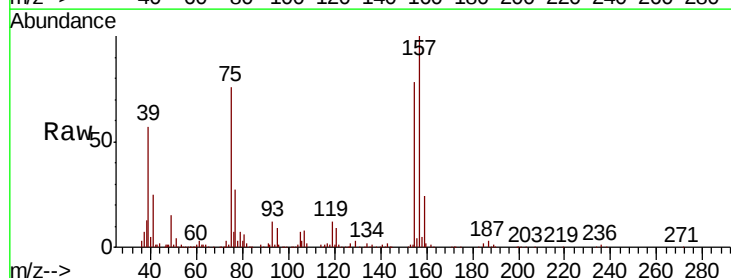


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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.311 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.7	53.4	160.3
157	131.6	68.0	203.8





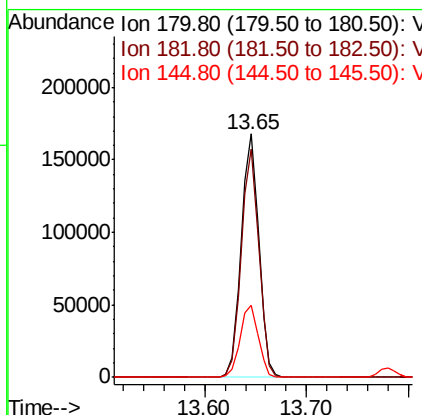
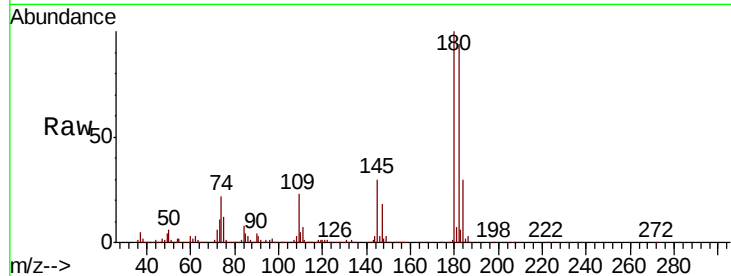
#93
 1,2,4-Trichlorobenzene
 Concen: 20.122 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213WBSD01

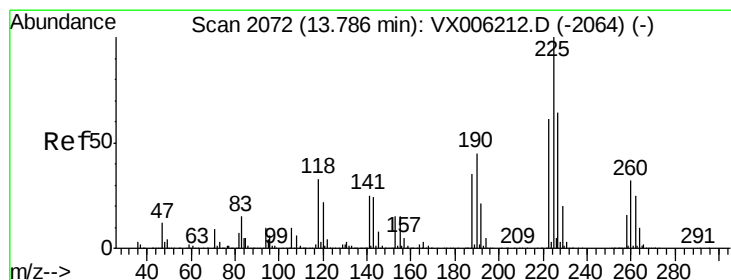
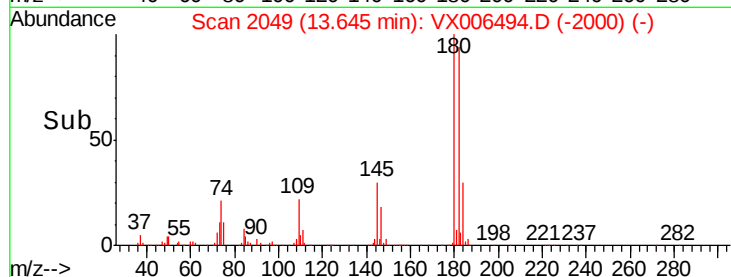
Tot Ion	Ratio	Resp	Lower	Upper
180	100	198785		
182	93.7	47.3	141.9	
145	30.6	14.6	43.8	

Manual Integrations
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MM Dadoda

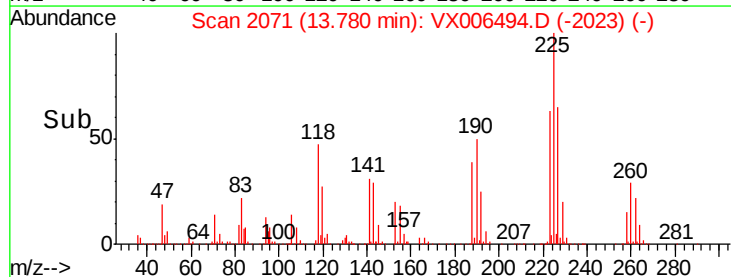
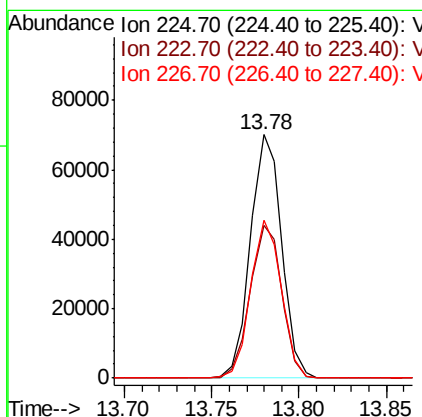
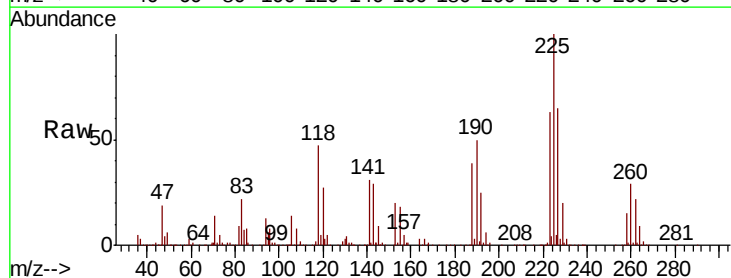


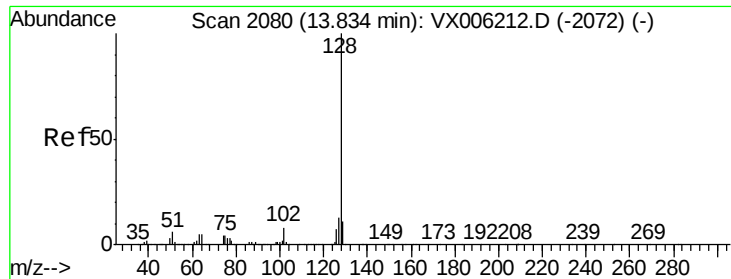
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#94
 Hexachlorobutadiene
 Concen: 20.022 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006494.D
 Acq: 13 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87474		
223	63.9	31.2	93.6	
227	63.8	31.9	95.5	





#95

Naphthalene

Concen: 21.086 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Instrument :

MSVOA_X

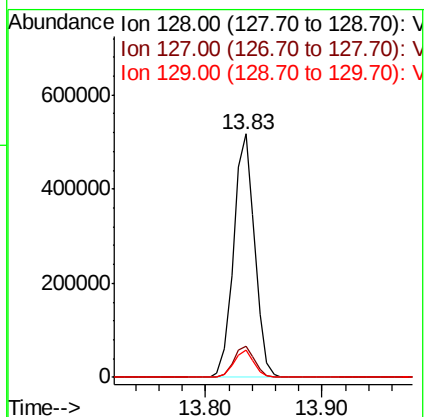
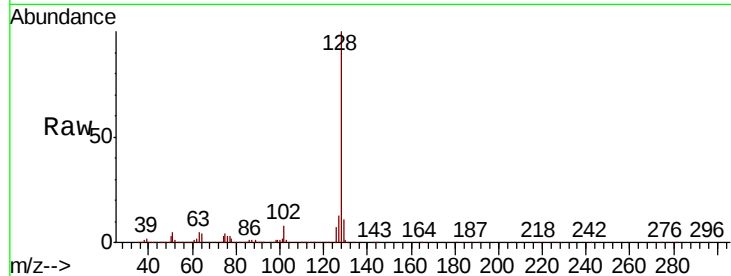
ClientSampleId :

VX1213WBSD01

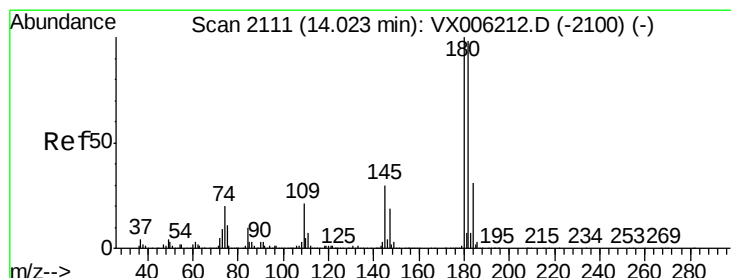
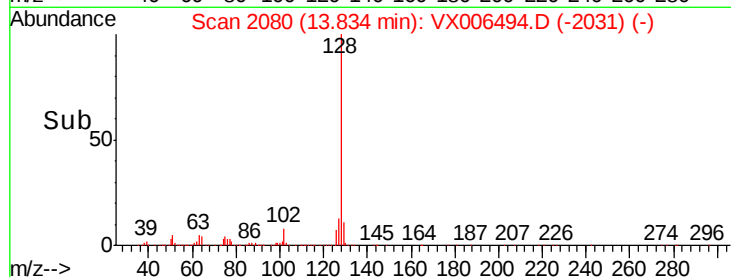
Tot Ion:	128	Resp:	647974
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
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MMDadoda



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#96

1,2,3-Trichlorobenzene

Concen: 20.608 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006494.D

Acq: 13 Dec 2018 14:51

Tgt Ion:	180	Resp:	201646
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.4	145.2
145	31.8	15.6	46.8

