

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006464.D
 Acq On : 13 Dec 2018 00:39
 Operator : JC/MD
 Sample : VX1212WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:40 AM

Quant Time: Dec 13 07:20:03 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	543248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	849199	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	767356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	398986	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	305431	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	
35) Dibromofluoromethane	5.50	113	282252	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
50) Toluene-d8	8.71	98	1020957	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.13	95	391675	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	105690	19.870	ug/l	95
3) Chloromethane	1.33	50	114257	20.903	ug/l	98
4) Vinyl Chloride	1.41	62	123326	20.963	ug/l	97
5) Bromomethane	1.64	94	118041	28.952	ug/l	98
6) Chloroethane	1.72	64	77800	21.569	ug/l	99
7) Trichlorofluoromethane	1.93	101	188853	20.913	ug/l	100
8) Diethyl Ether	2.19	74	74805	21.887	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	106252	20.692	ug/l	98
10) Methyl Iodide	2.51	142	169279	21.875	ug/l	99
11) Tert butyl alcohol	3.07	59	157654	103.951	ug/l	99
12) 1,1-Dichloroethene	2.38	96	107289	21.826	ug/l	89
13) Acrolein	2.29	56	95794	115.563	ug/l	99
14) Allyl chloride	2.73	41	179599	18.496	ug/l	98
15) Acrylonitrile	3.15	53	327409	103.453	ug/l	100
16) Acetone	2.45	43	267136	102.644	ug/l	96
17) Carbon Disulfide	2.57	76	281792	18.604	ug/l	100
18) Methyl Acetate	2.78	43	179945	20.675	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	369421	21.066	ug/l	97
20) Methylene Chloride	2.86	84	120852	21.819	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	114636	21.884	ug/l	90
22) Diisopropyl ether	3.87	45	328216	21.640	ug/l	98
23) Vinyl Acetate	3.82	43	1326189	102.517	ug/l	100
24) 1,1-Dichloroethane	3.70	63	189568	21.867	ug/l	99
25) 2-Butanone	4.70	43	393232	105.893	ug/l	100
26) 2,2-Dichloropropane	4.59	77	124944	15.617	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	131201	22.454	ug/l	97
28) Bromochloromethane	5.02	49	83434	22.034	ug/l	99
29) Tetrahydrofuran	5.15	42	269001	104.229	ug/l	96
30) Chloroform	5.21	83	204144	22.408	ug/l	100
31) Cyclohexane	5.58	56	170018	21.221	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	179907	20.755	ug/l	99
36) 1,1-Dichloropropene	5.80	75	147872	20.678	ug/l	99
37) Ethyl Acetate	4.85	43	156765	19.575	ug/l	98
38) Carbon Tetrachloride	5.78	117	156186	18.565	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188864	20.346	ug/l	97
40) Benzene	6.15	78	457127	21.343	ug/l	100
41) Methacrylonitrile	5.06	41	84081	19.081	ug/l	96
42) 1,2-Dichloroethane	6.20	62	154662	22.064	ug/l	100
43) Isopropyl Acetate	6.46	43	247113	18.507	ug/l	98
44) Trichloroethene	7.21	130	133557	20.584	ug/l	97
45) 1,2-Dichloropropane	7.52	63	113860	20.917	ug/l	99
46) Dibromomethane	7.66	93	81697	20.781	ug/l	96
47) Bromodichloromethane	7.90	83	141441	18.578	ug/l	99
48) Methyl methacrylate	7.77	41	128413	19.769	ug/l	99
49) 1,4-Dioxane	7.75	88	66715	416.719	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	780554	100.420	ug/l	98
52) Toluene	8.79	92	300564	21.330	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	147524	16.569	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	164611	17.804	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	122188	21.344	ug/l	99
56) Ethyl methacrylate	9.18	69	180894	20.213	ug/l	97
57) 1,3-Dichloropropane	9.37	76	193604	21.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	422609	93.058	ug/l	98
59) 2-Hexanone	9.49	43	595323	100.248	ug/l	98
60) Dibromochloromethane	9.59	129	122333	17.330	ug/l	99
61) 1,2-Dibromoethane	9.67	107	132218	20.656	ug/l	99
64) Tetrachloroethene	9.34	164	126802	21.942	ug/l	98
65) Chlorobenzene	10.14	112	350920	21.543	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120810	19.088	ug/l	99
67) Ethyl Benzene	10.25	91	576063	21.263	ug/l	100
68) m/p-Xylenes	10.36	106	463157	42.678	ug/l	99
69) o-Xylene	10.70	106	225298	21.017	ug/l	98
70) Styrene	10.71	104	359616	20.742	ug/l	98
71) Bromoform	10.86	173	89754	15.023	ug/l #	100
73) Isopropylbenzene	11.02	105	597716	21.693	ug/l	100
74) N-amyl acetate	10.90	43	224213	18.897	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	184869	20.972	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	169556m	22.017	ug/l	
77) Bromobenzene	11.26	156	160173	20.947	ug/l	96
78) n-propylbenzene	11.36	91	650205	21.229	ug/l	100
79) 2-Chlorotoluene	11.42	91	400368	21.993	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	500945	21.851	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43182	13.159	ug/l #	81
82) 4-Chlorotoluene	11.51	91	457278	21.605	ug/l	98
83) tert-Butylbenzene	11.77	119	514824	21.047	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	507915	21.456	ug/l	99
85) sec-Butylbenzene	11.94	105	596187	21.425	ug/l	100
86) p-Isopropyltoluene	12.06	119	538106	21.475	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	288506	21.204	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	290275	21.020	ug/l	99
89) n-Butylbenzene	12.39	91	435373	20.363	ug/l	99
90) Hexachloroethane	12.60	117	82304	16.116	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	292546	21.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37849	16.750	ug/l	94

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ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

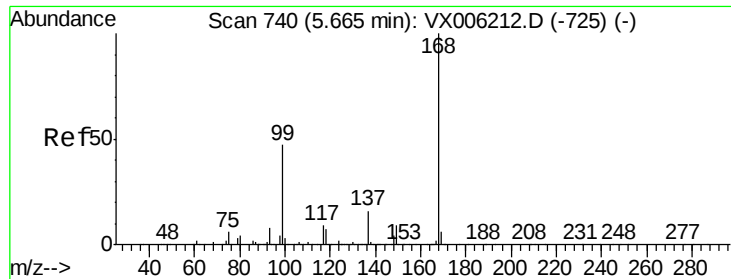
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	195559	19.850	ug/l	99
94) Hexachlorobutadiene	13.78	225	85925	19.722	ug/l	98
95) Naphthalene	13.83	128	628138	20.497	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	197114	20.201	ug/l	99

(#) = 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: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion:168 Resp: 543248

Ion Ratio Lower Upper

168 100

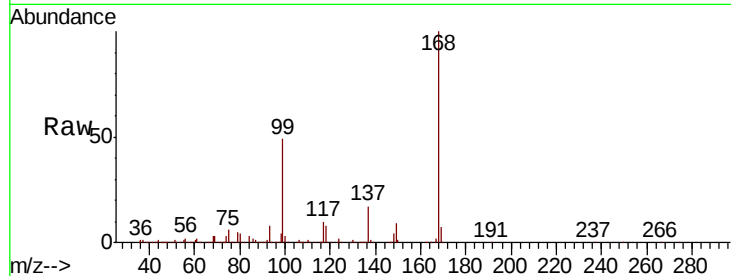
99 49.1 37.8 56.8

Manual Integrations

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12/13/2018 11:05:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

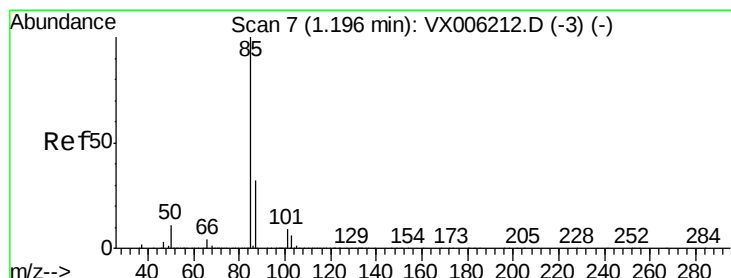
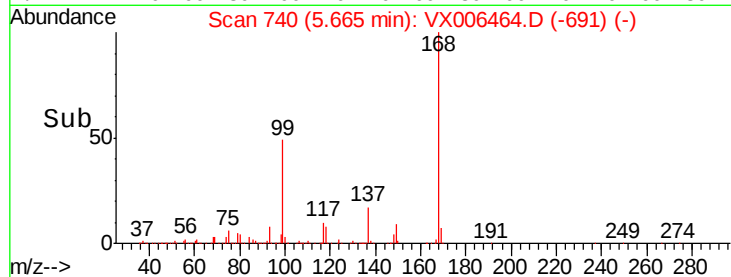
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.870 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006464.D

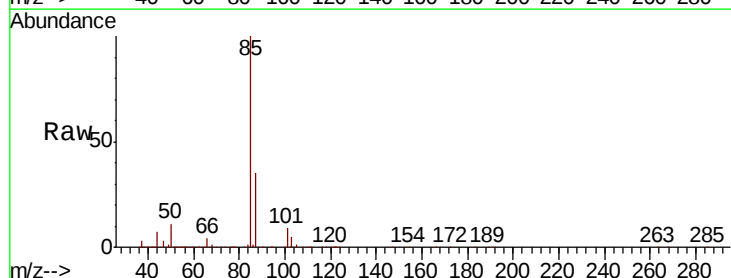
Acq: 13 Dec 2018 00:39

Tgt Ion: 85 Resp: 105690

Ion Ratio Lower Upper

85 100

87 34.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

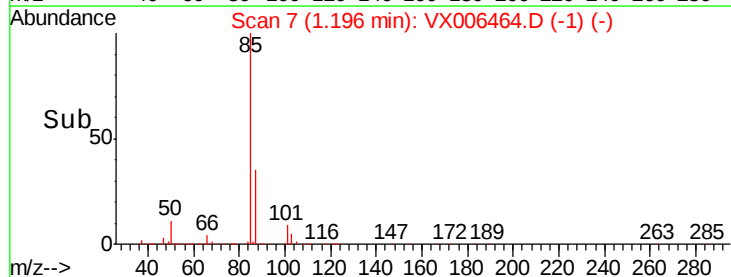
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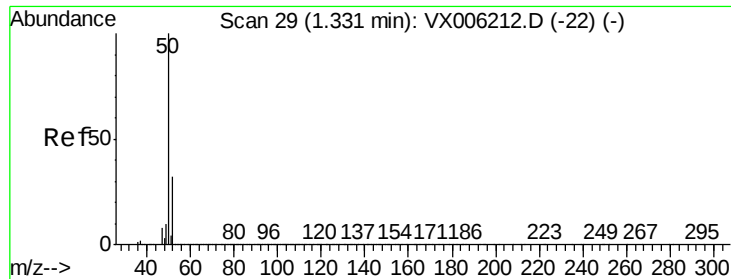
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.903 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 50 Resp: 114257

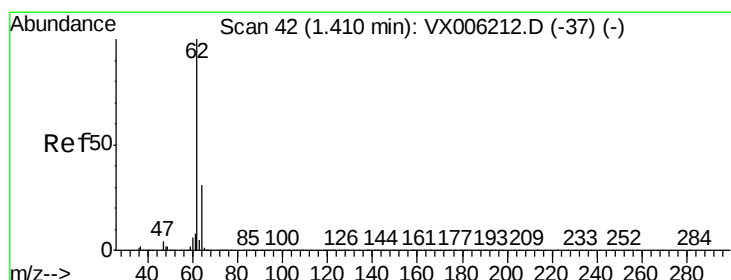
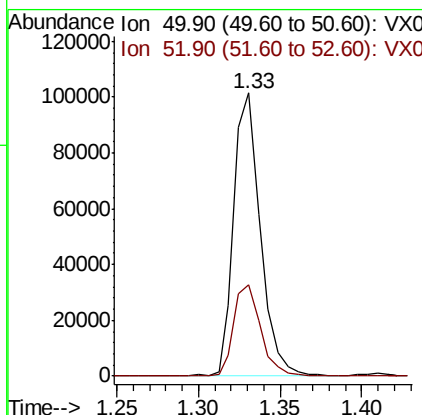
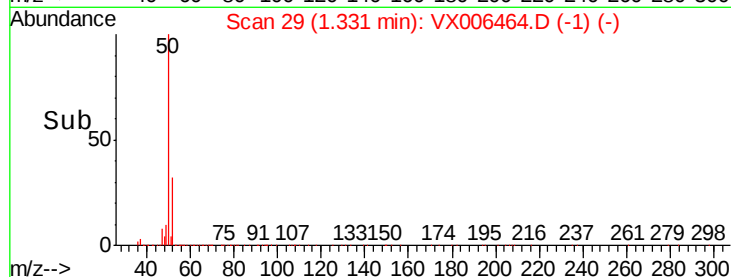
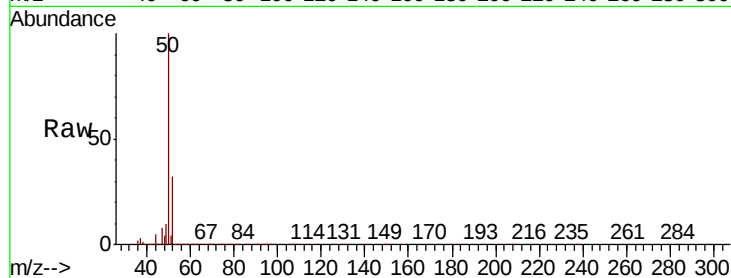
Ion Ratio Lower Upper

50 100

52 32.5 25.2 37.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.963 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006464.D

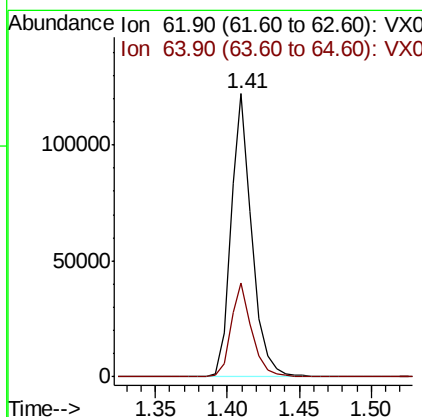
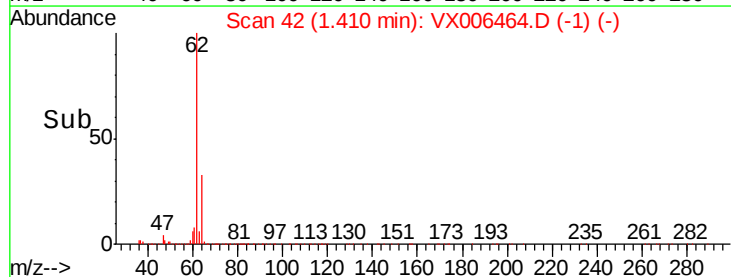
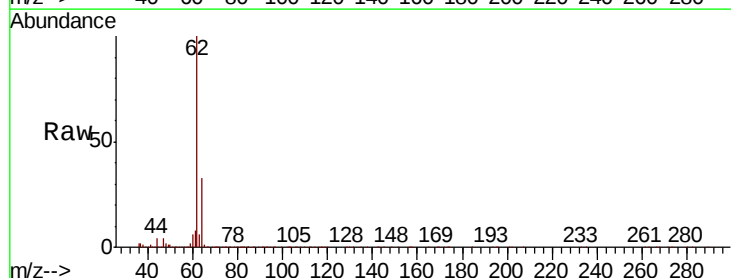
Acq: 13 Dec 2018 00:39

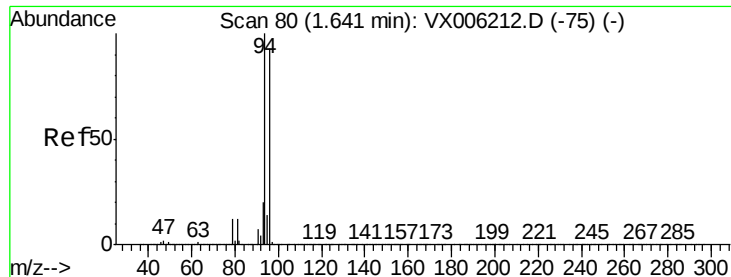
Tgt Ion: 62 Resp: 123326

Ion Ratio Lower Upper

62 100

64 33.0 24.9 37.3





#5

Bromomethane

Concen: 28.952 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 94 Resp: 118041

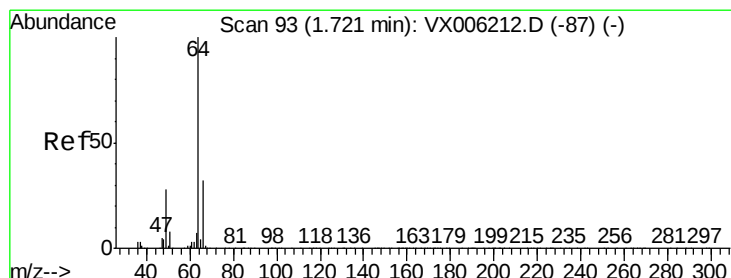
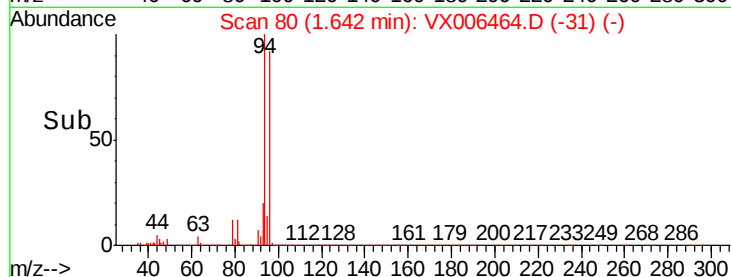
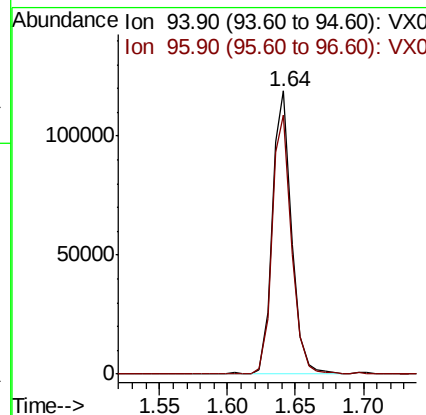
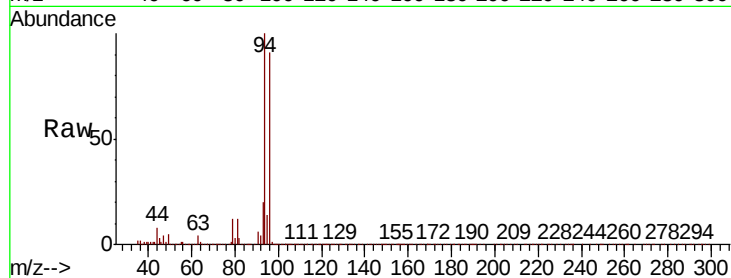
Ion Ratio Lower Upper

94 100

96 91.4 74.5 111.7

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#6

Chloroethane

Concen: 21.569 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX006464.D

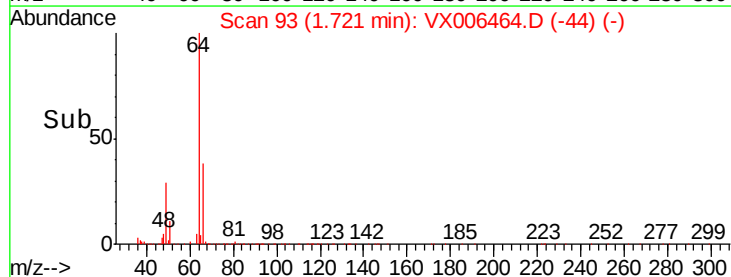
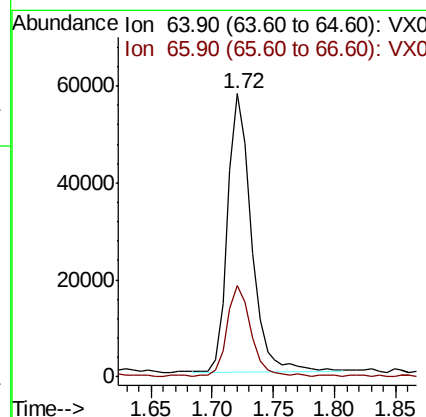
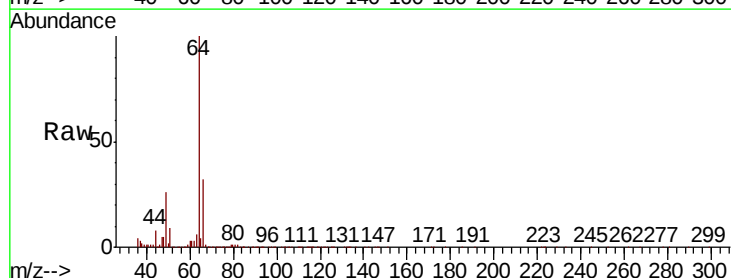
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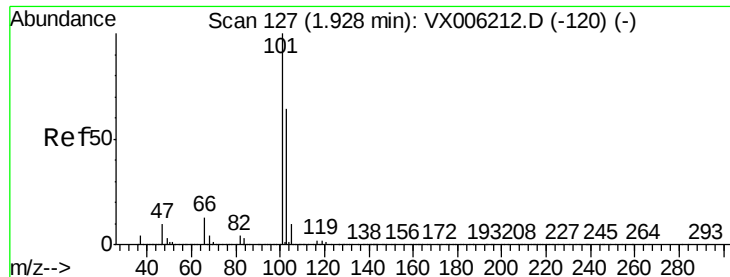
Tgt Ion: 64 Resp: 77800

Ion Ratio Lower Upper

64 100

66 32.8 25.9 38.9





#7

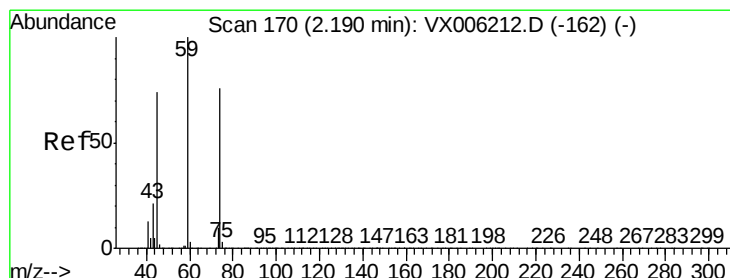
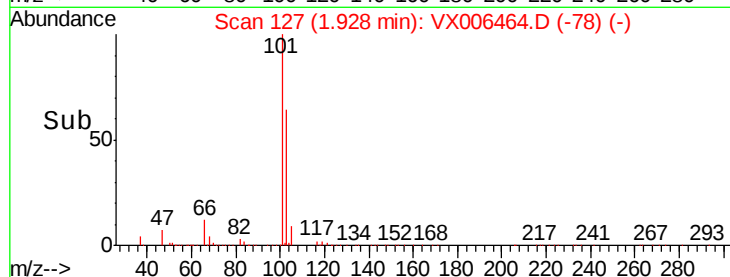
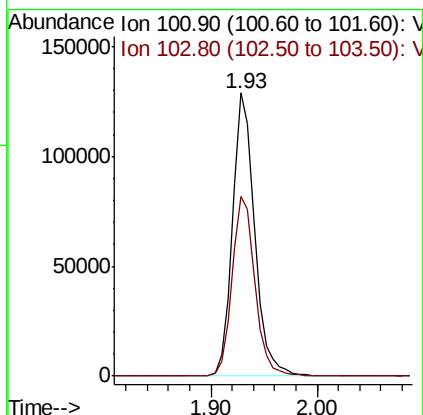
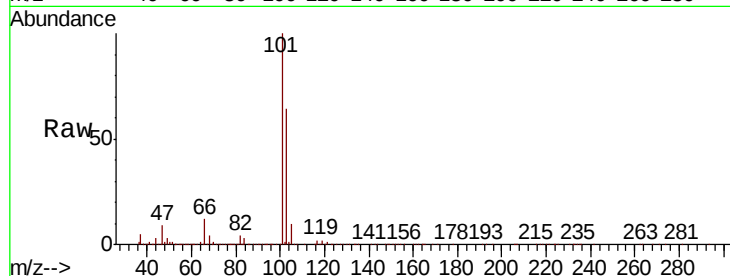
Trichlorofluoromethane
Concen: 20.913 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

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ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4

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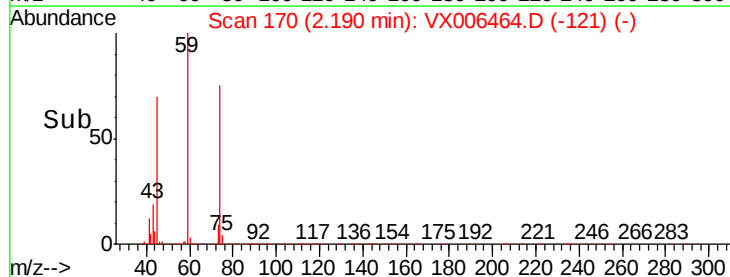
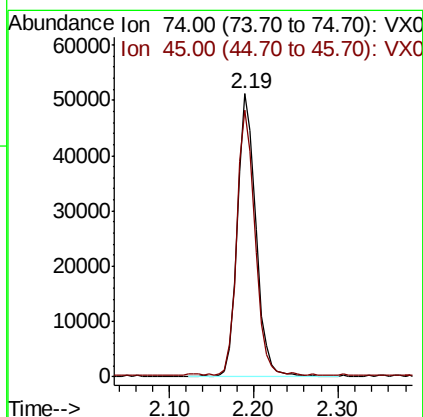
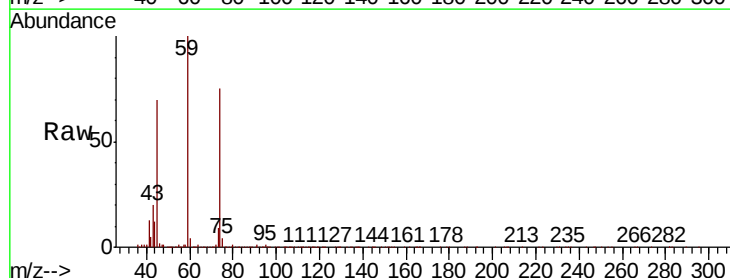
MMDadoda
12/13/2018 11:05:40 AM

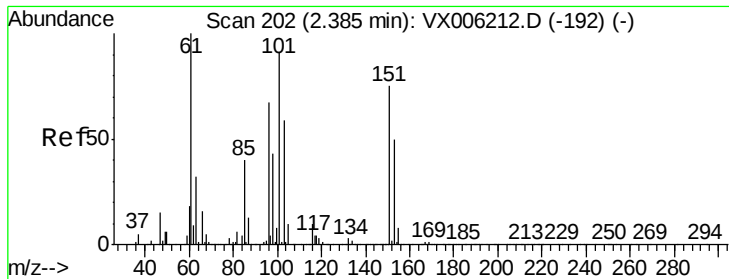


#8

Diethyl Ether
Concen: 21.887 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.692 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

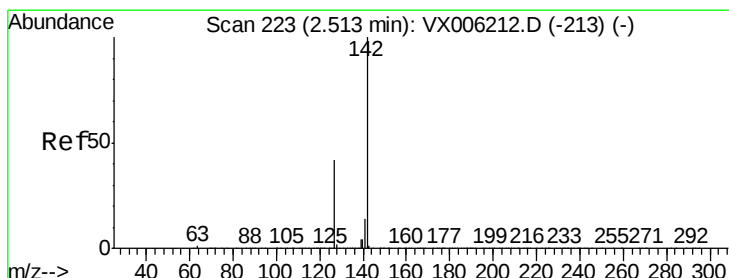
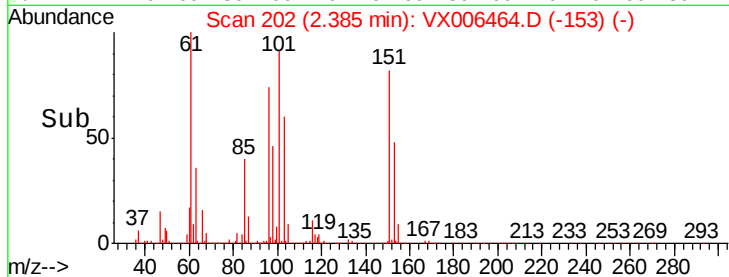
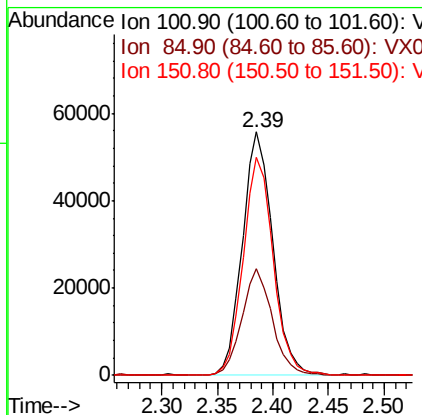
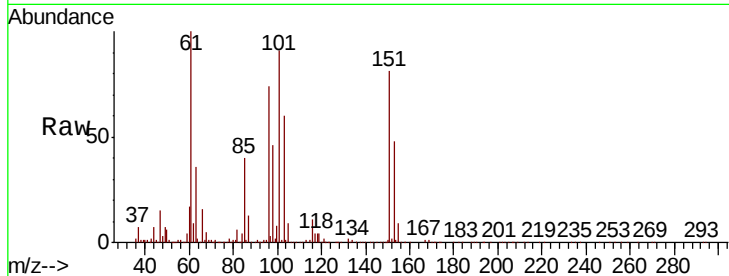
ClientSampleId :

VX1212WBSD02

Tot Ion:	101	Resp:	106252
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.5	53.3
151	88.4	68.6	103.0

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12/13/2018 11:05:40 AM



#10

Methyl Iodide

Concen: 21.875 ug/l

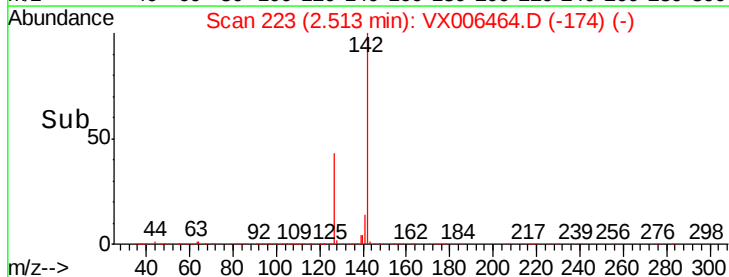
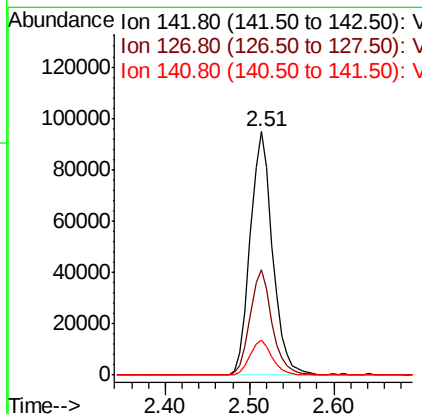
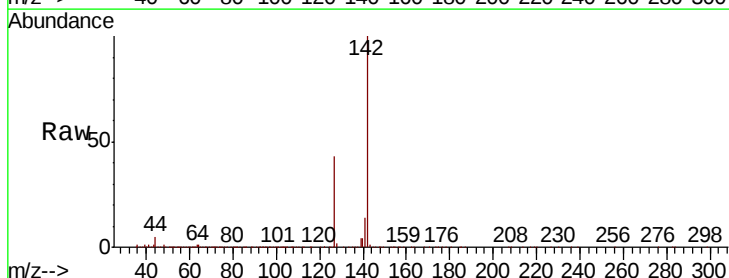
RT: 2.51 min Scan# 223

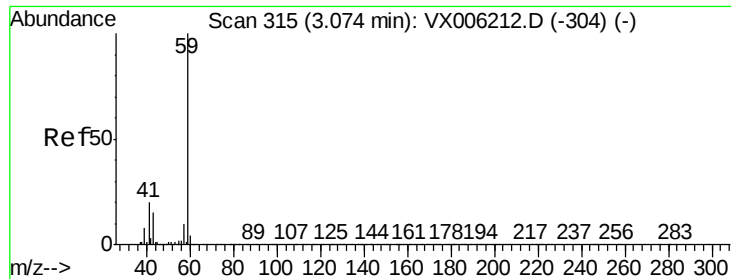
Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	142	Resp:	169279
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.8	52.2
141	14.3	11.4	17.2





#11

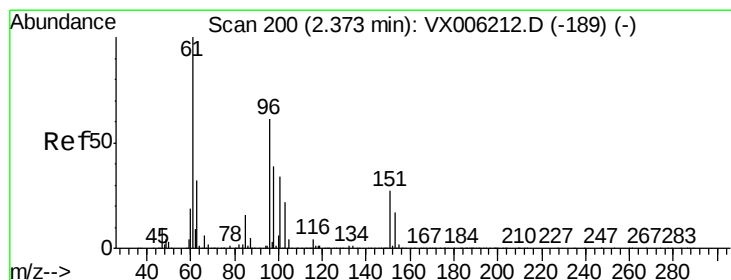
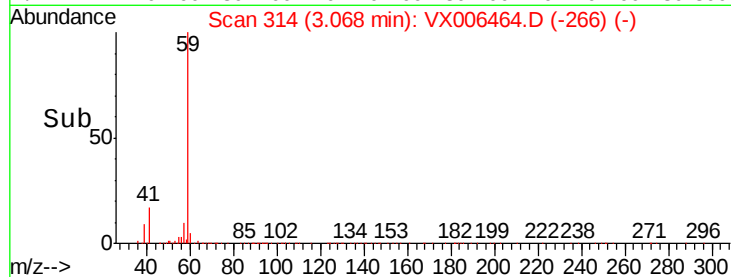
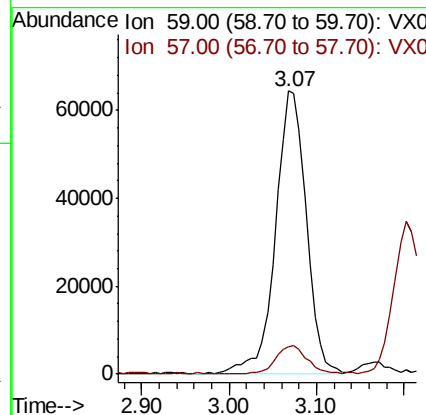
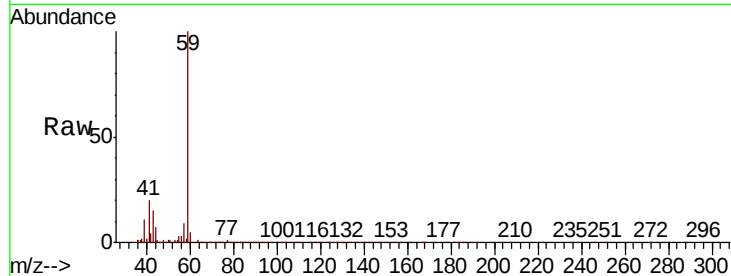
Tert butyl alcohol
Concen: 103.951 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

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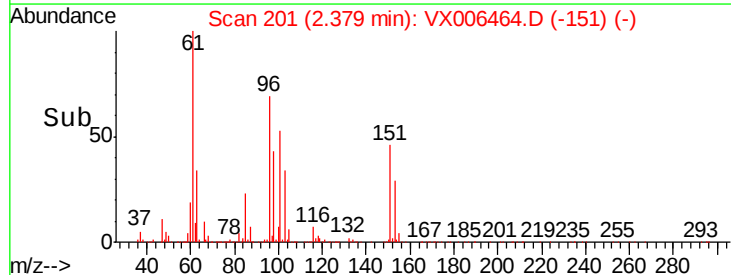
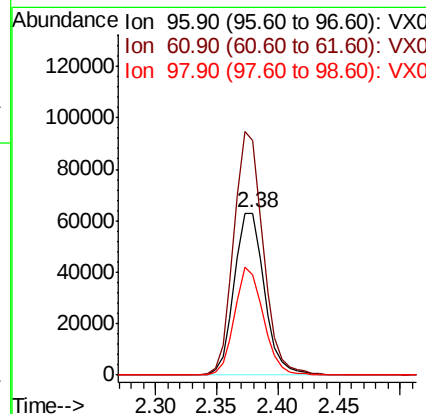
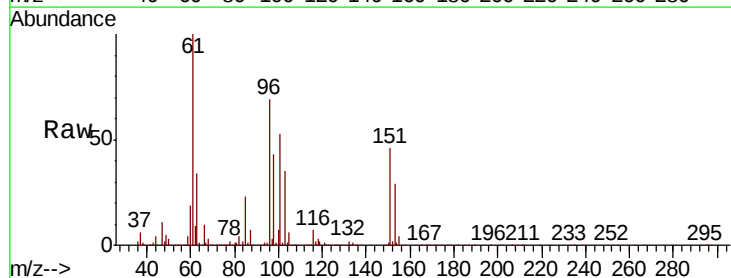
MMDadoda
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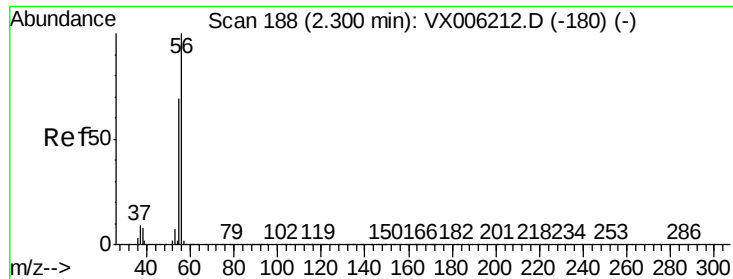


#12

1,1-Dichloroethene
Concen: 21.826 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.0	131.7	197.5
98	62.1	51.8	77.6





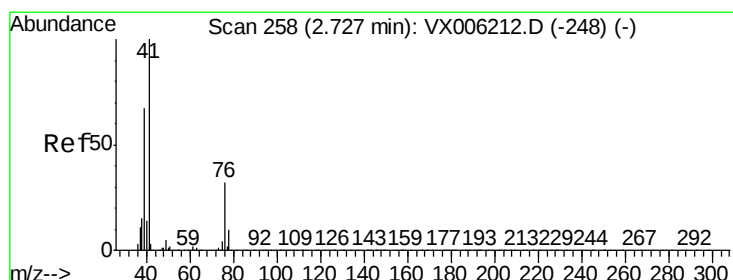
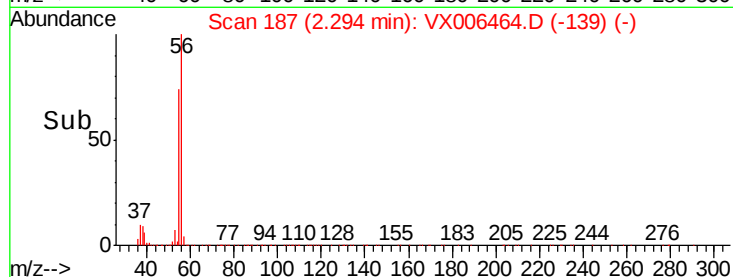
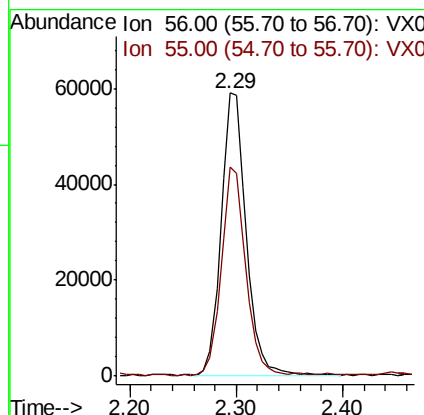
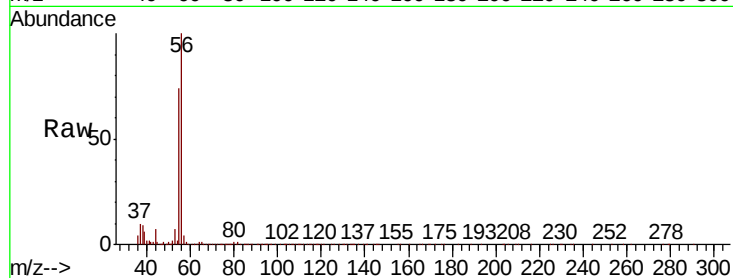
#13
Acrolein
Concen: 115.563 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	56	Resp	95794
Ion Ratio	100	Lower	Upper
55	72.7	57.8	86.6

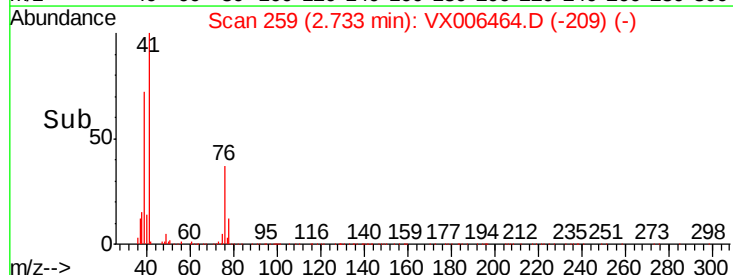
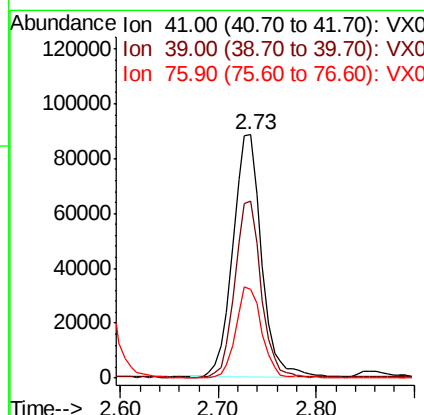
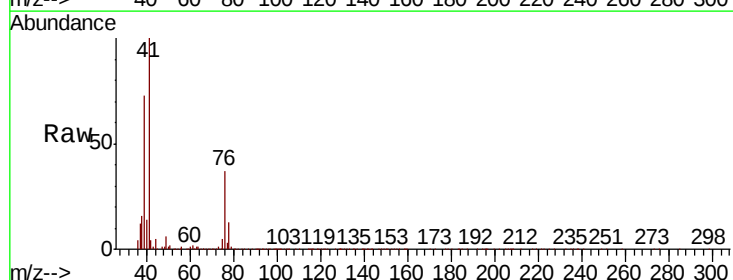
Manual Integrations
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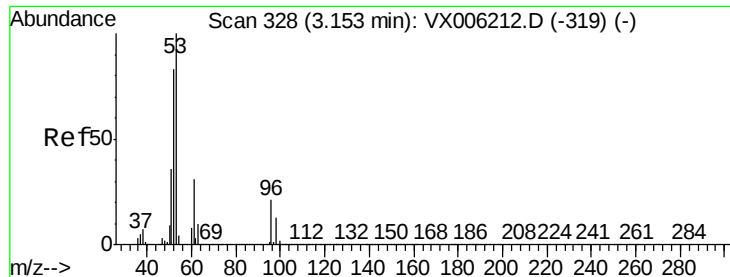
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#14
Allyl chloride
Concen: 18.496 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	41	Resp	179599
Ion Ratio	100	Lower	Upper
39	66.7	52.4	78.6
76	33.1	25.4	38.0





#15

Acrylonitrile

Concen: 103.453 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

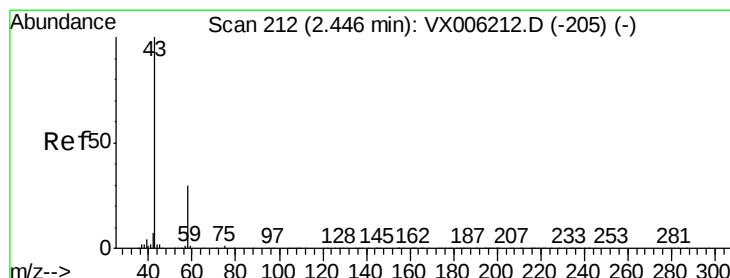
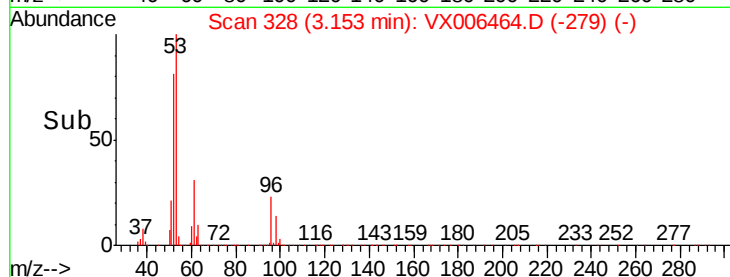
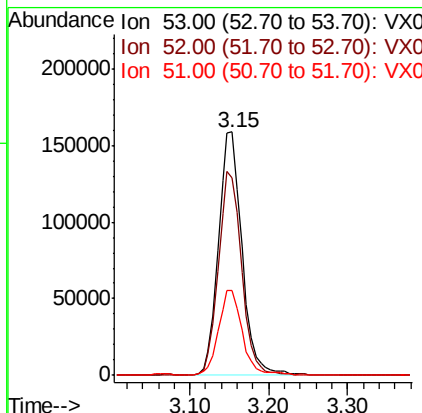
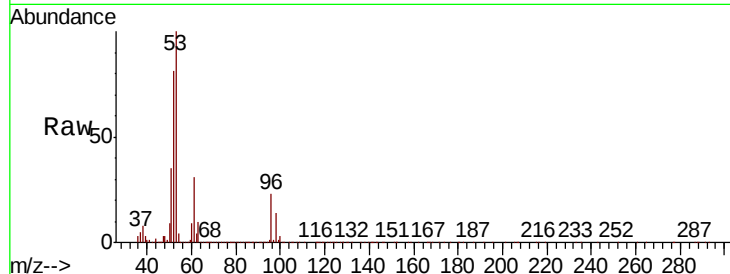
ClientSampleId :

VX1212WBSD02

Tot Ion:	53	Resp:	327409
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.4
51	35.5	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 102.644 ug/l

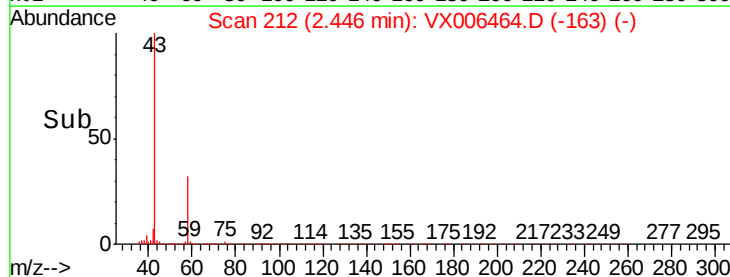
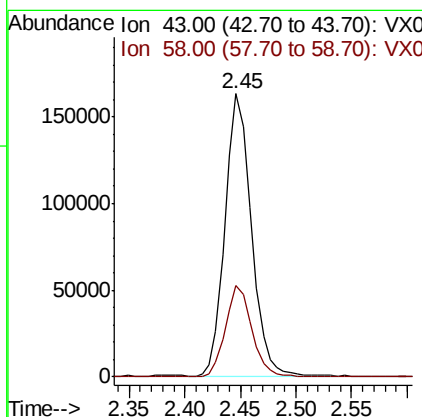
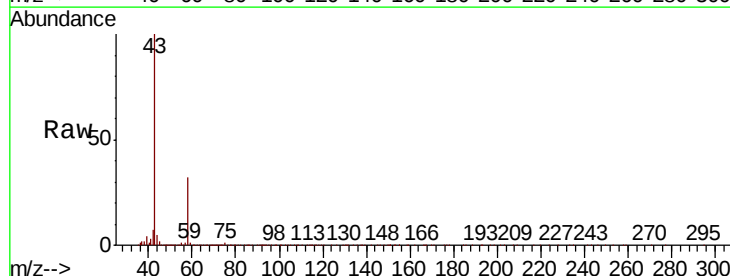
RT: 2.45 min Scan# 212

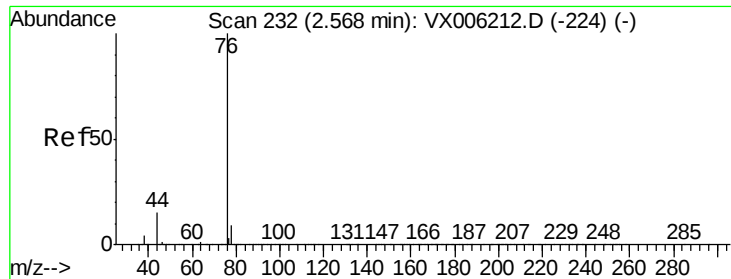
Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	43	Resp:	267136
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.0	36.0





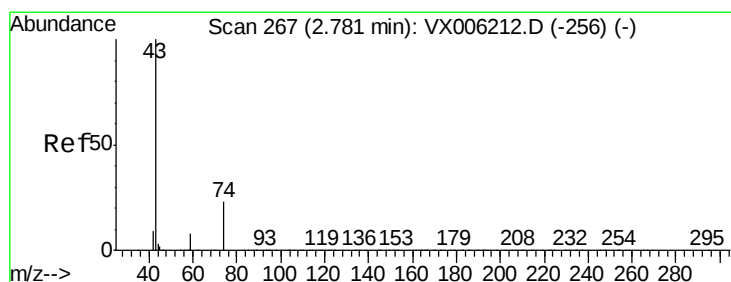
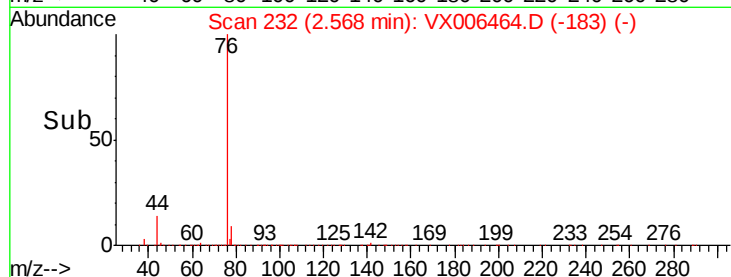
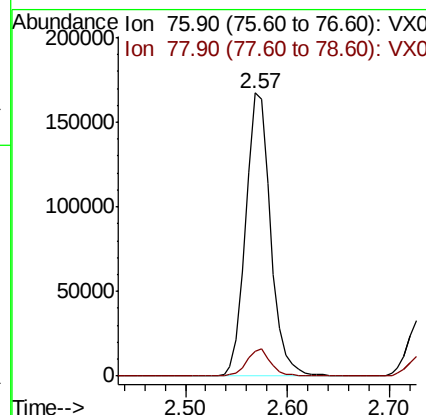
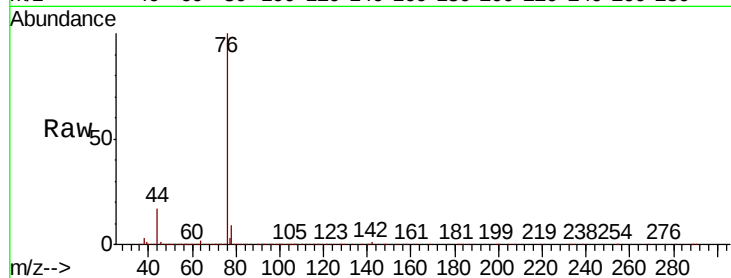
#17
Carbon Disulfide
Concen: 18.604 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

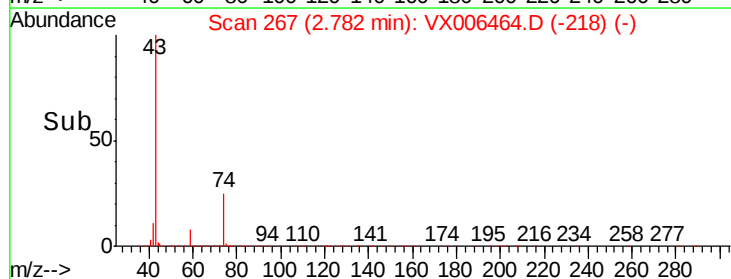
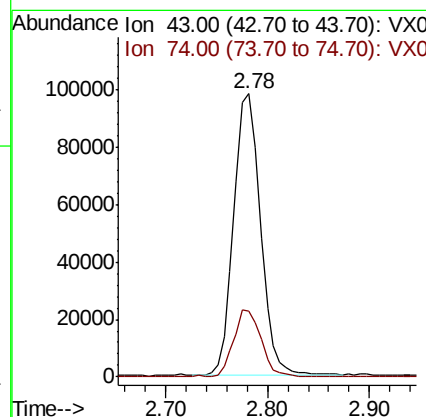
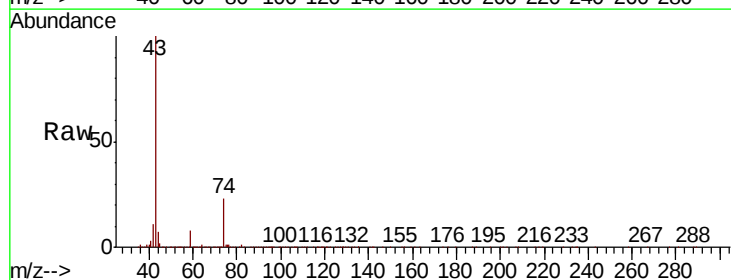
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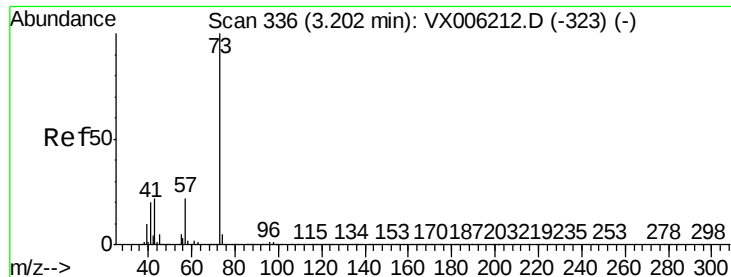
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#18
Methyl Acetate
Concen: 20.675 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	17.9	26.9





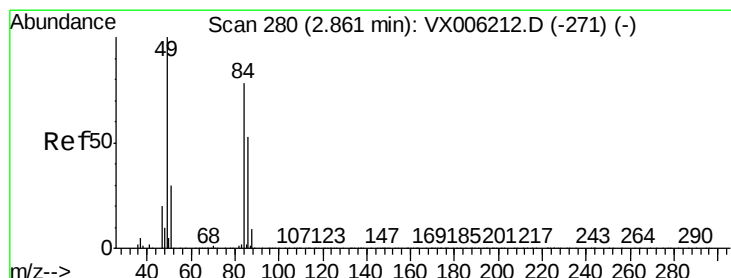
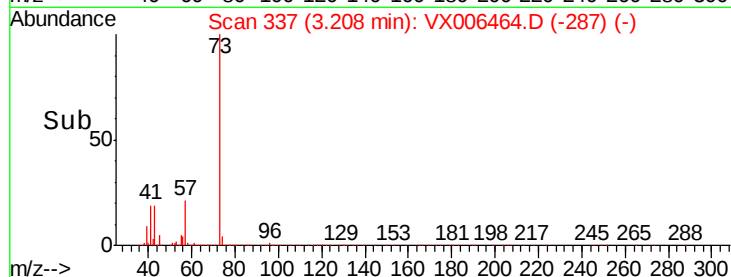
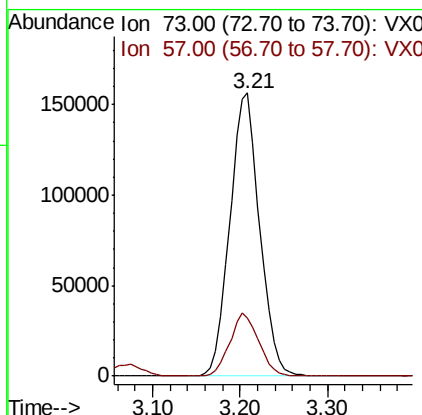
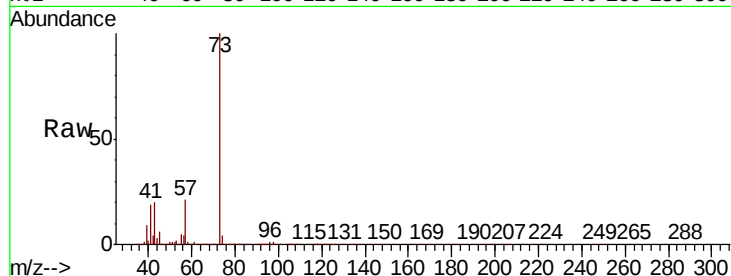
#19
Methvl tert-butvl Ether
Concen: 21.066 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.5	26.3

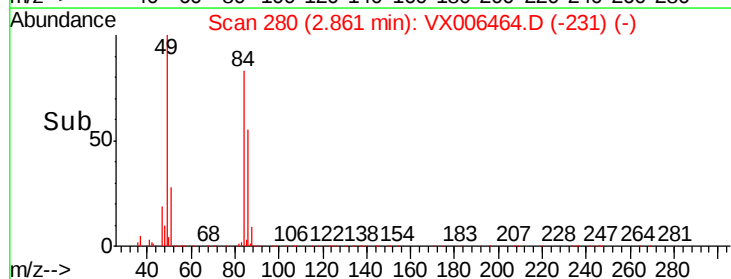
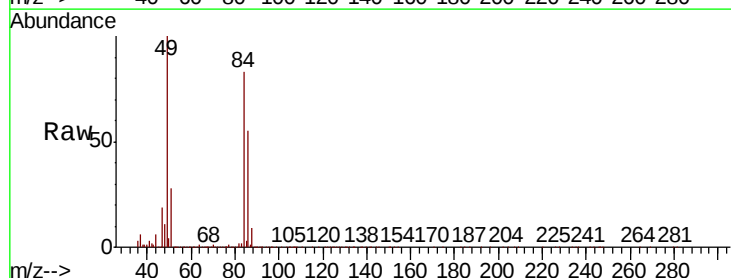
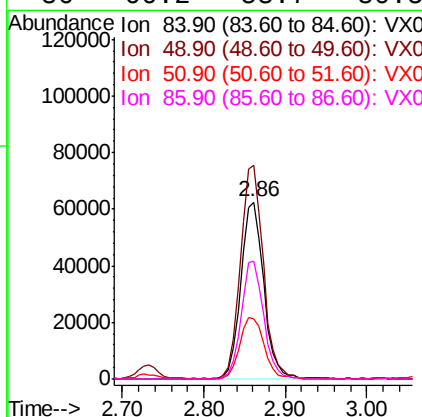
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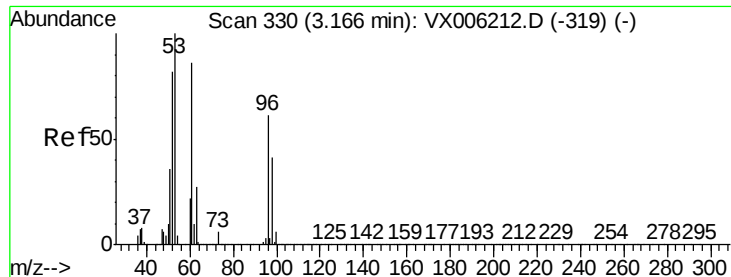
MMDadoda
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#20
Methylene Chloride
Concen: 21.819 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	102.2	153.4
51	34.0	31.1	46.7
86	66.2	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 21.884 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

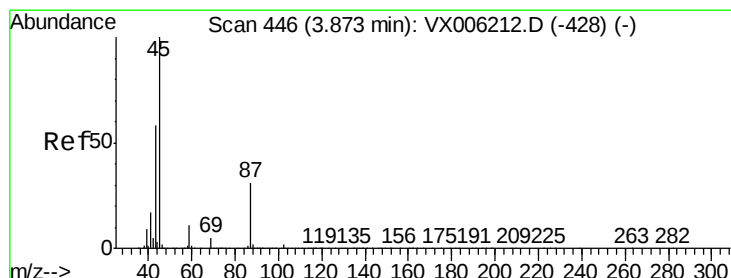
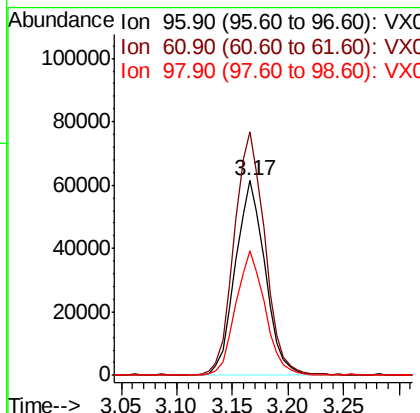
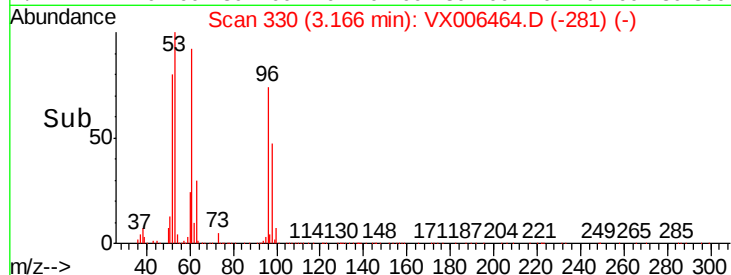
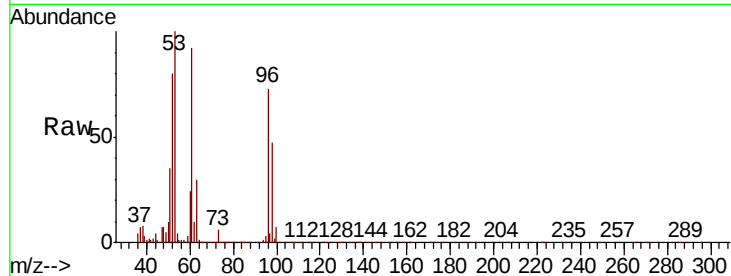
ClientSampleId :

VX1212WBSD02

Tot Ion:	96	Resp:	114636
Ion	Ratio	Lower	Upper
96	100		
61	124.8	113.3	169.9
98	64.2	53.2	79.8

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#22

Diisopropyl ether

Concen: 21.640 ug/l

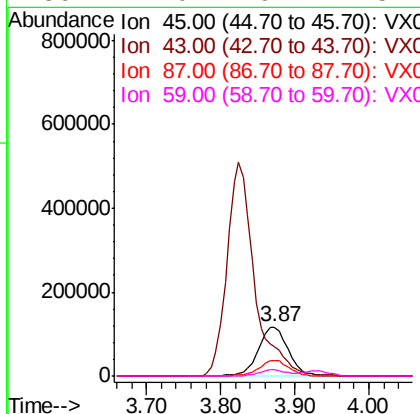
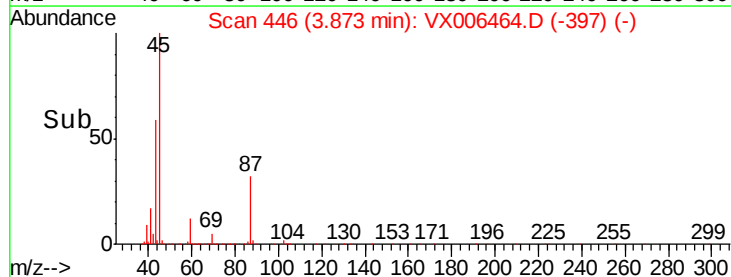
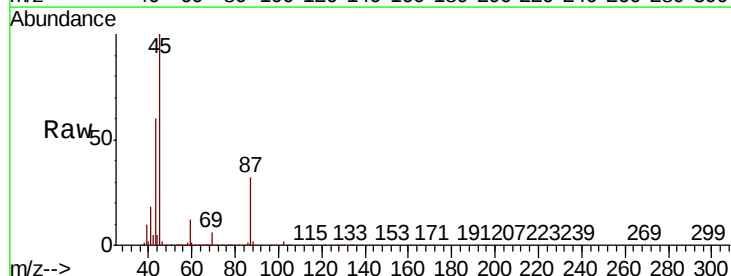
RT: 3.87 min Scan# 446

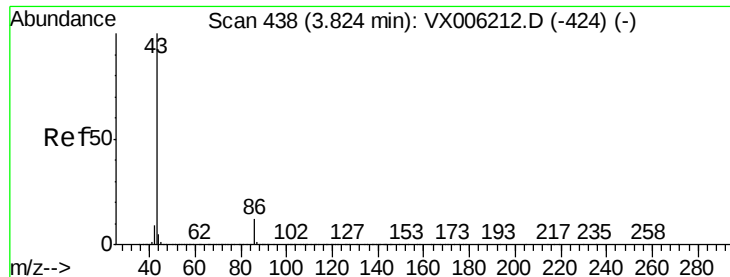
Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	45	Resp:	328216
Ion	Ratio	Lower	Upper
45	100		
43	59.5	46.2	69.2
87	32.0	24.9	37.3
59	12.0	9.1	13.7





#23

Vinyl Acetate

Concen: 102.517 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 43 Resp: 1326189

Ion Ratio Lower Upper

43 100

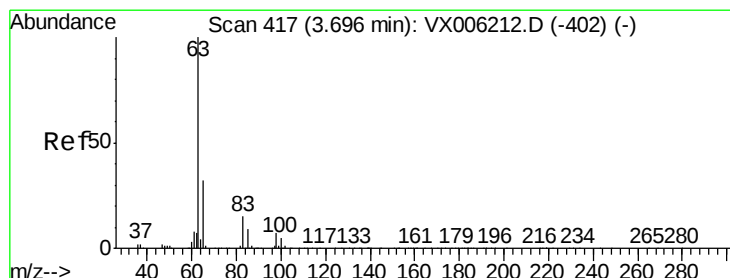
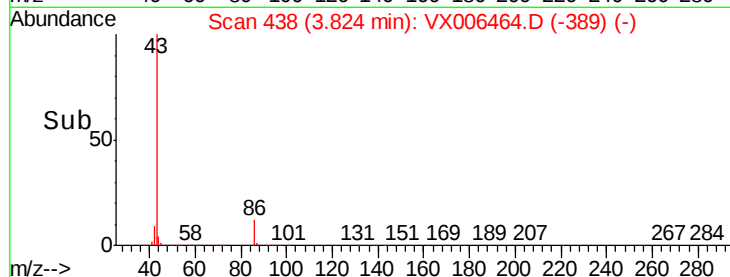
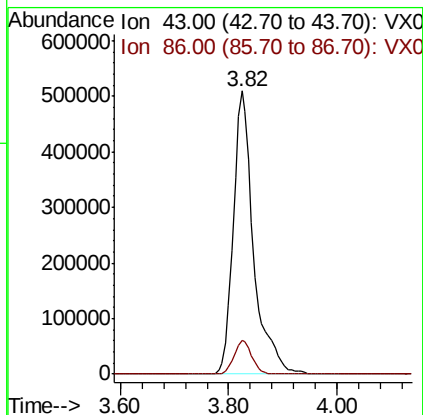
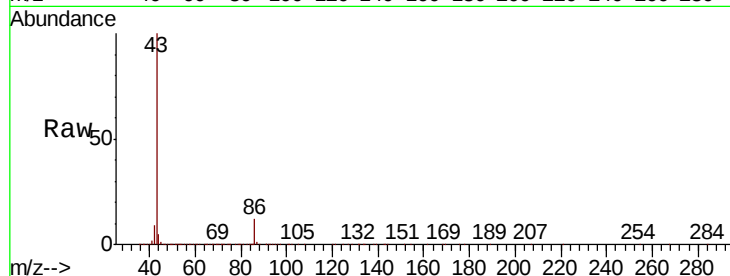
86 11.8 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 21.867 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

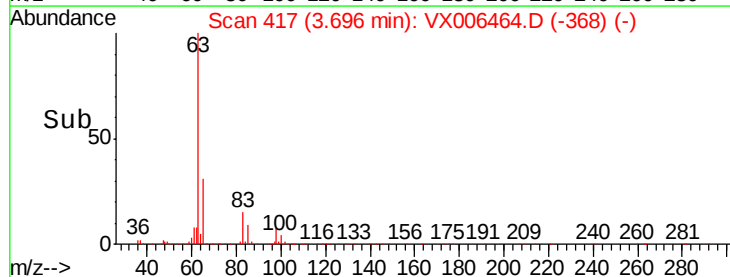
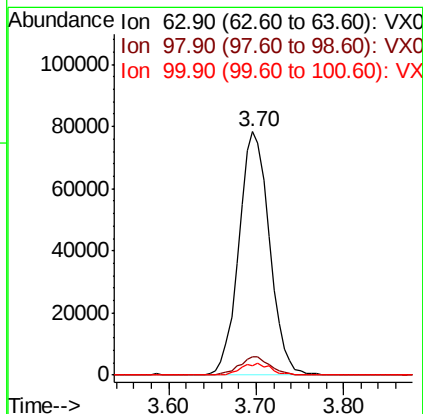
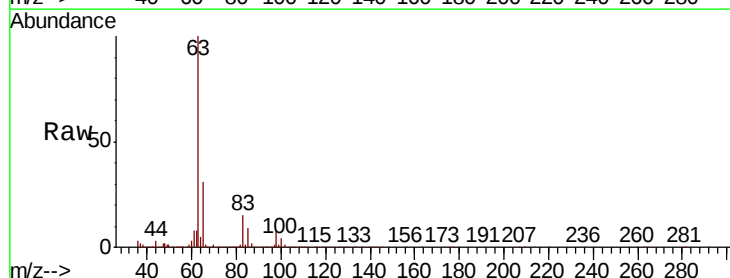
Tgt Ion: 63 Resp: 189568

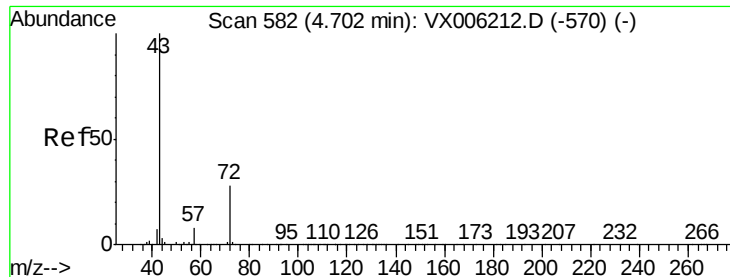
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

100 3.9 2.5 7.4





#25

2-Butanone

Concen: 105.893 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 43 Resp: 393232

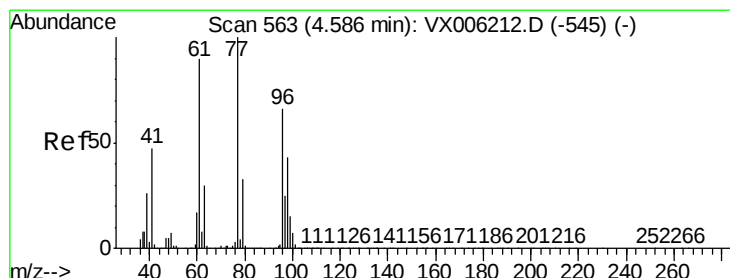
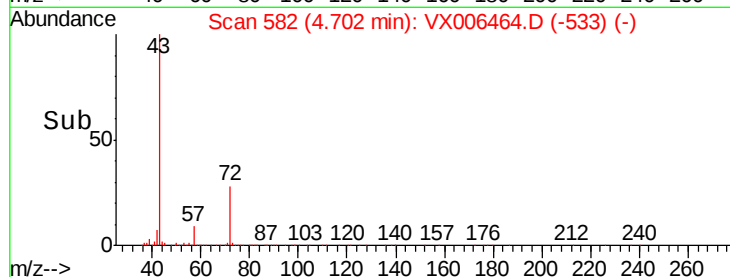
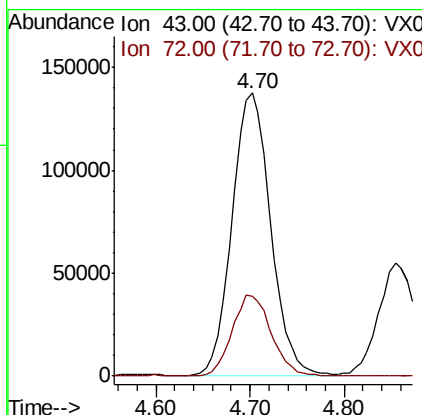
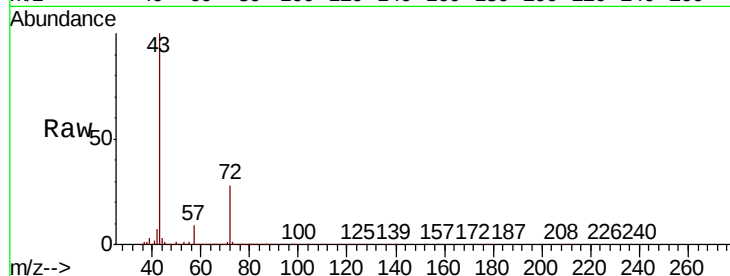
Ion Ratio Lower Upper

43 100

72 28.1 22.6 33.8

Manual Integrations
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12/13/2018 11:05:40 AM



#26

2,2-Dichloropropane

Concen: 15.617 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006464.D

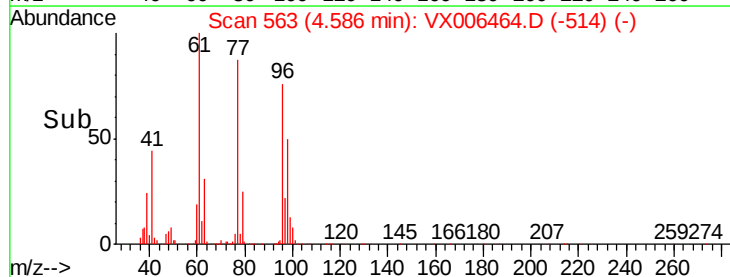
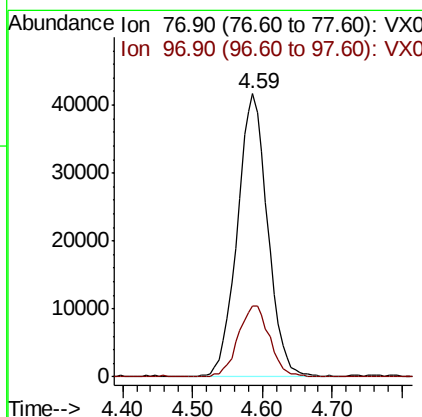
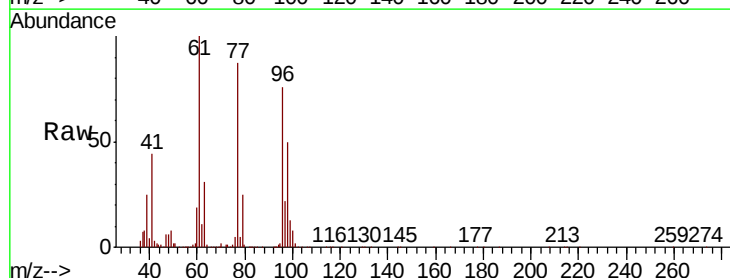
Acq: 13 Dec 2018 00:39

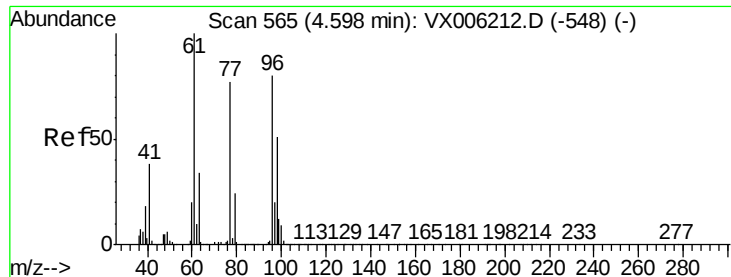
Tgt Ion: 77 Resp: 124944

Ion Ratio Lower Upper

77 100

97 26.3 12.3 36.8





#27

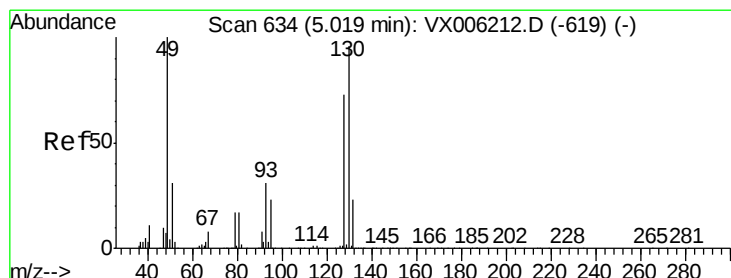
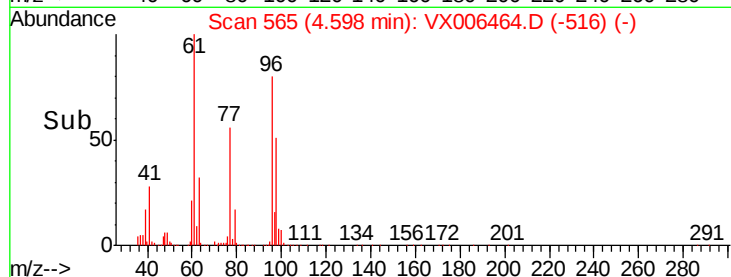
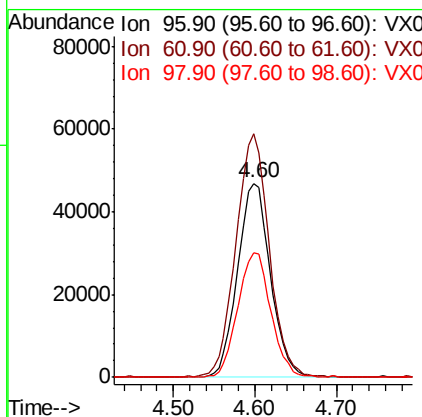
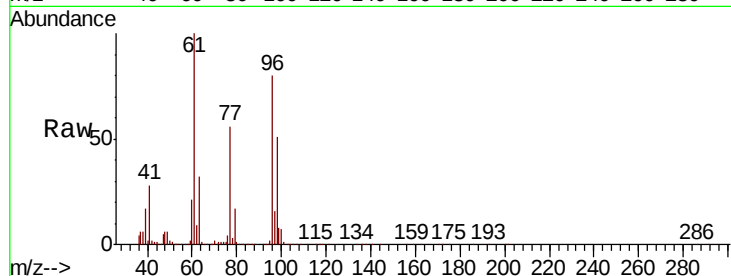
cis-1,2-Dichloroethene
Concen: 22.454 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	265.0
98	64.7	0.0	130.2

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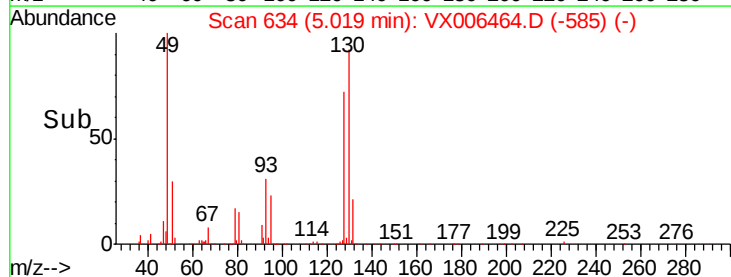
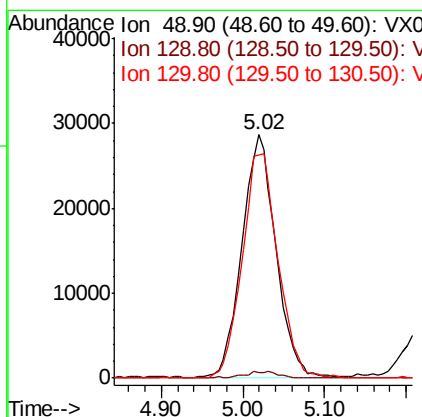
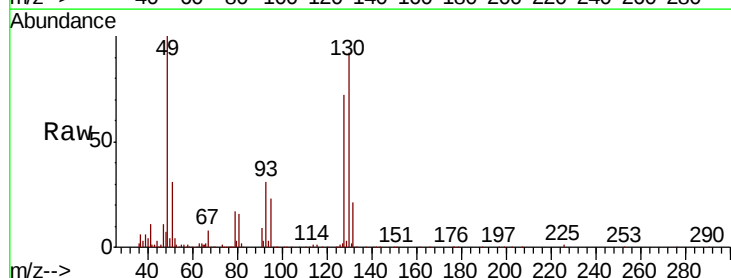
MMDadoda
12/13/2018 11:05:40 AM

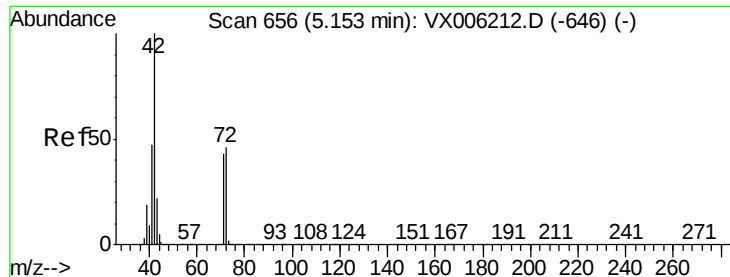


#28

Bromochloromethane
Concen: 22.034 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.0
130	96.5	78.3	117.5





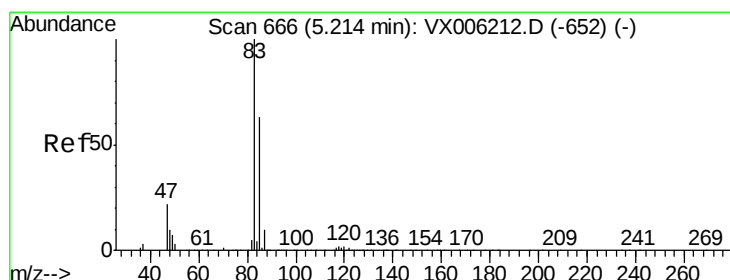
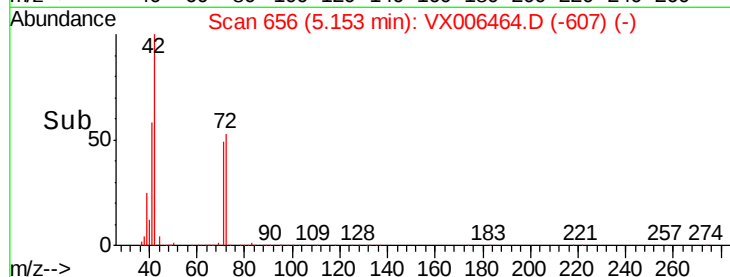
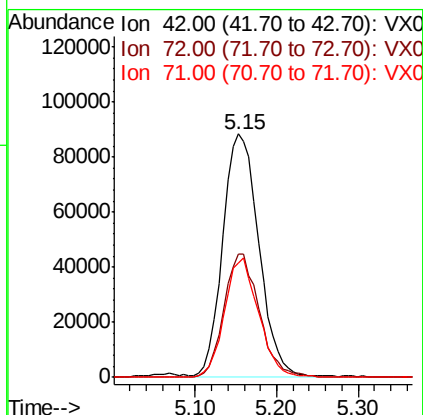
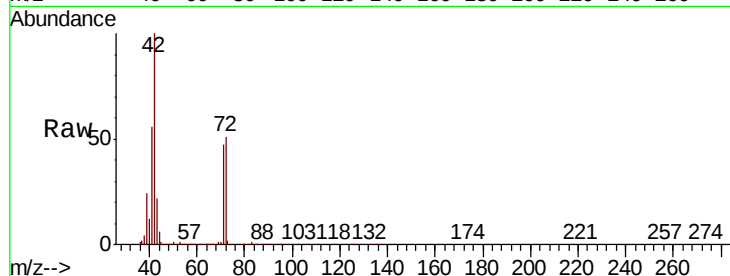
#29
Tetrahydrofuran
Concen: 104.229 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	37.8	56.8
71	46.7	35.2	52.8

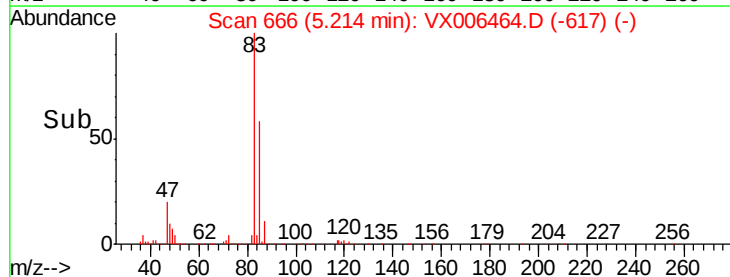
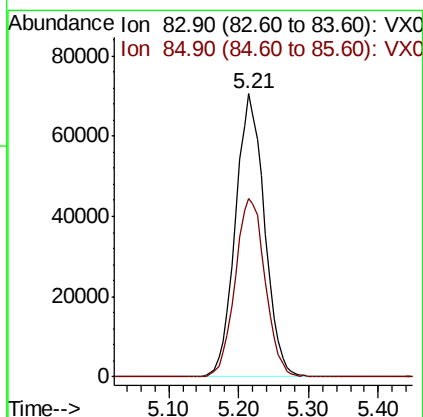
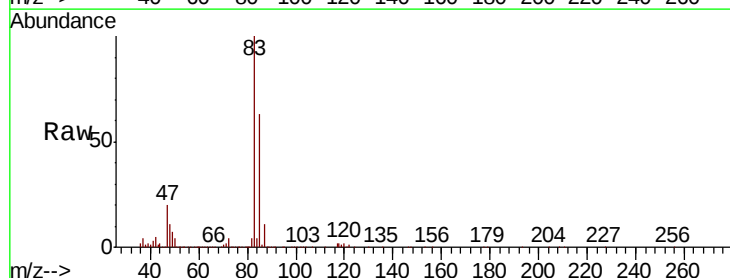
Manual Integrations
APPROVED

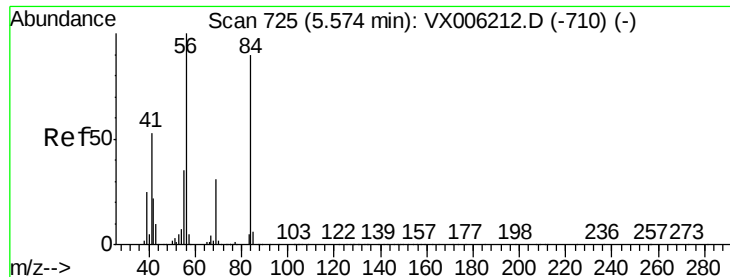
MMDadoda
12/13/2018 11:05:40 AM



#30
Chloroform
Concen: 22.408 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.3	75.5





#31

Cyclohexane

Concen: 21.221 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

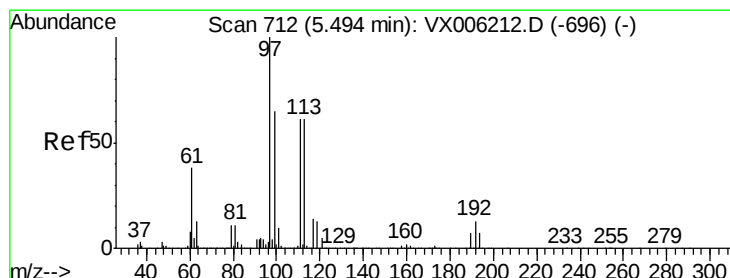
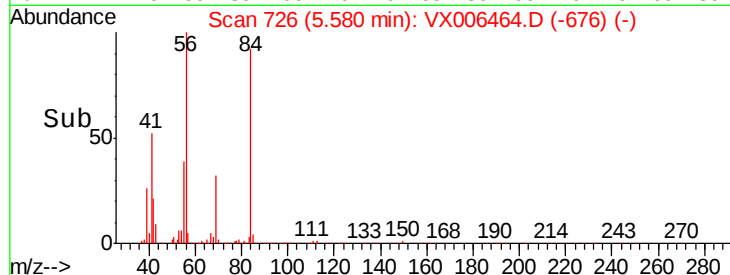
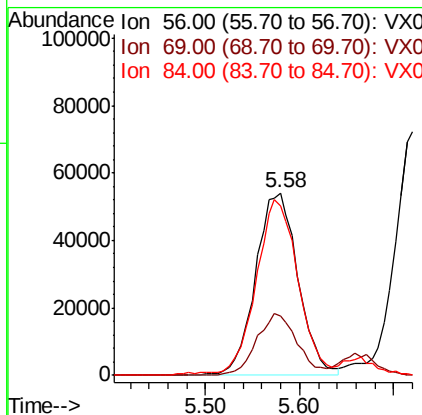
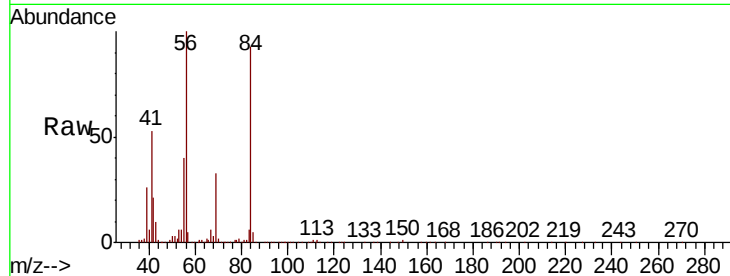
ClientSampleId :

VX1212WBSD02

Tot Ion:	56	Resp:	170018
Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.5	36.7
84	90.8	71.8	107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.755 ug/l

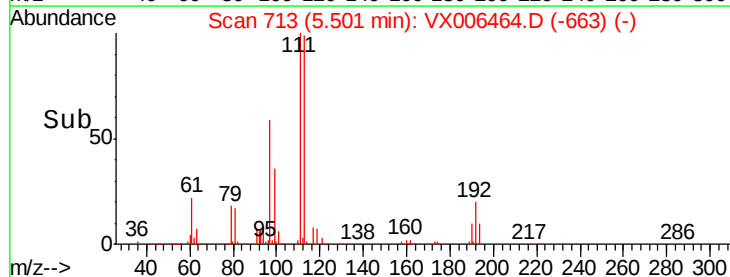
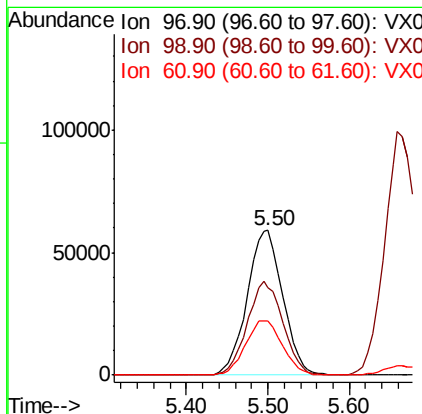
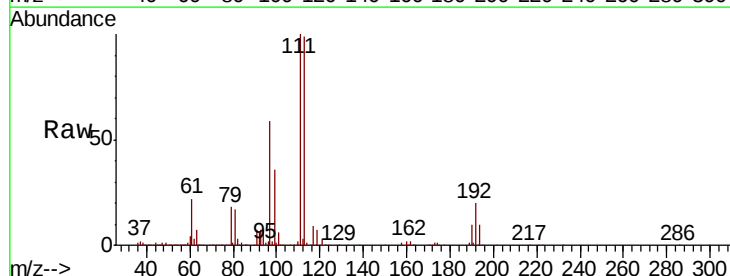
RT: 5.50 min Scan# 713

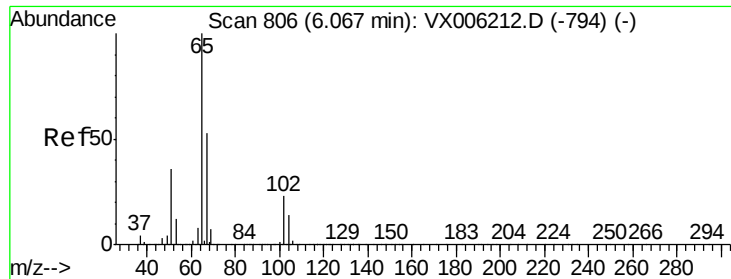
Delta R.T. 0.01 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	97	Resp:	179907
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	38.8	30.6	46.0





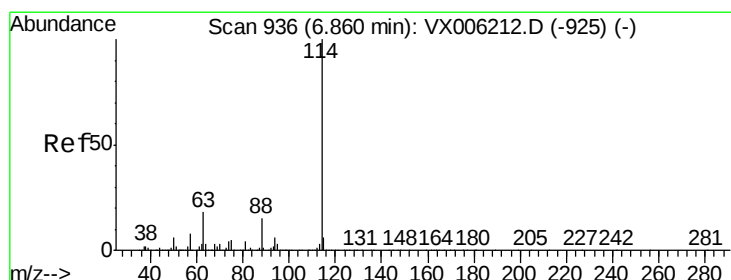
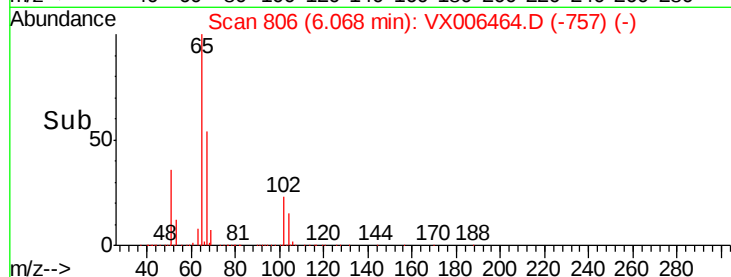
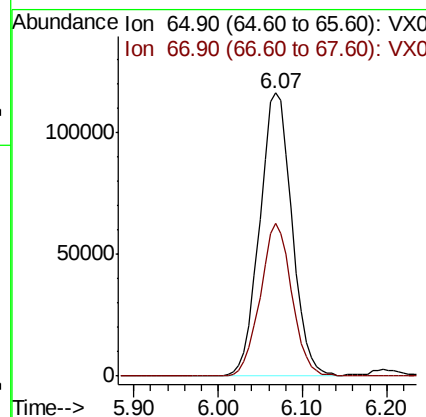
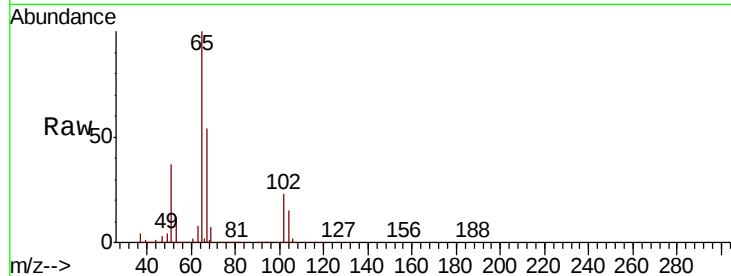
#33
 1,2-Dichloroethane-d4
 Concen: 55.075 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	305431		
67	52.8	0.0	107.2	

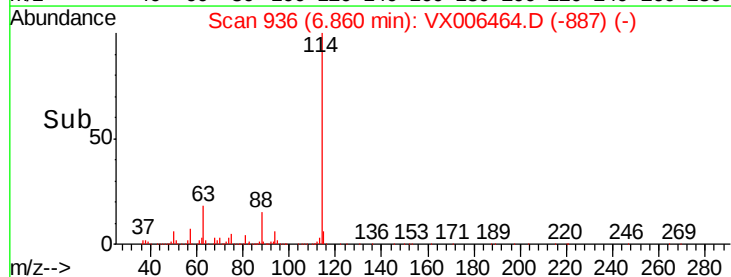
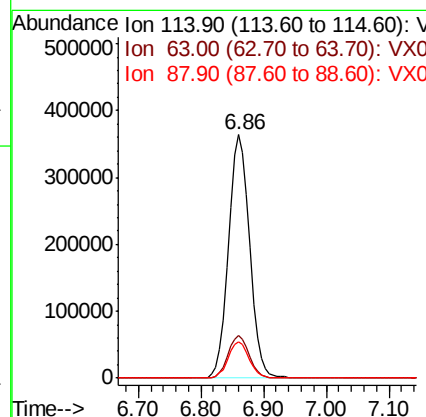
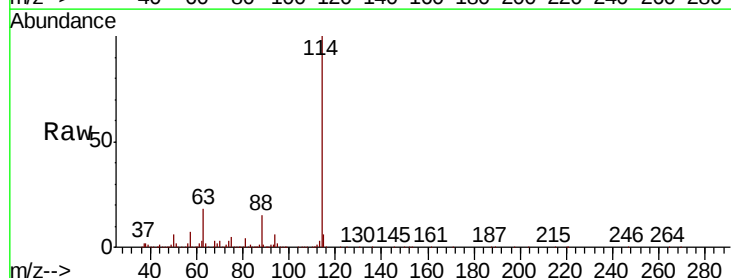
Manual Integrations
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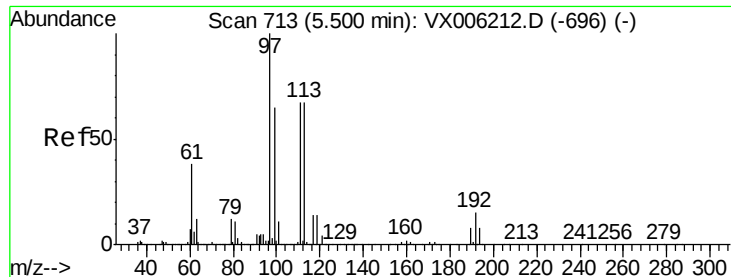
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	849199		
63	17.6	0.0	36.6	
88	14.7	0.0	29.0	





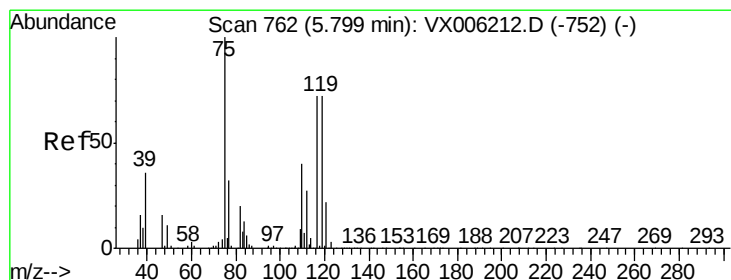
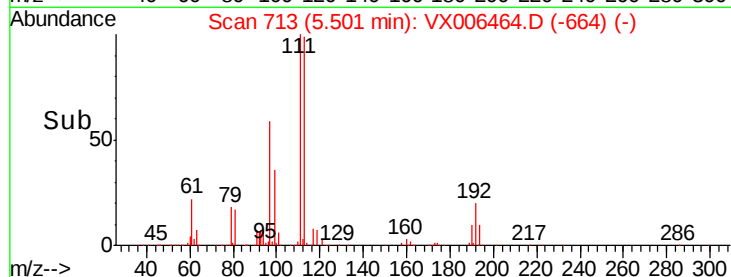
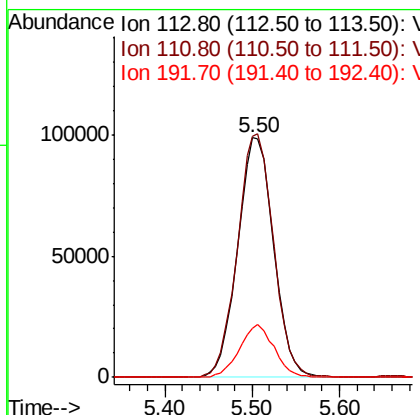
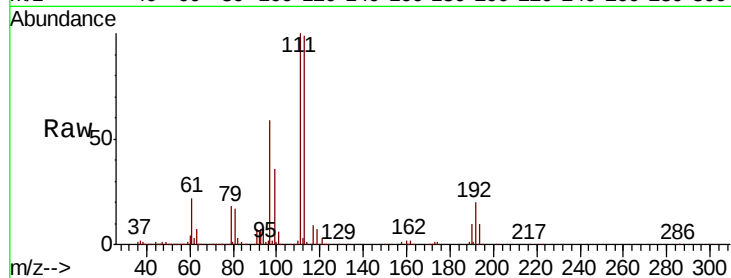
#35
 Dibromofluoromethane
 Concen: 51.335 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	21.2	18.2	27.2

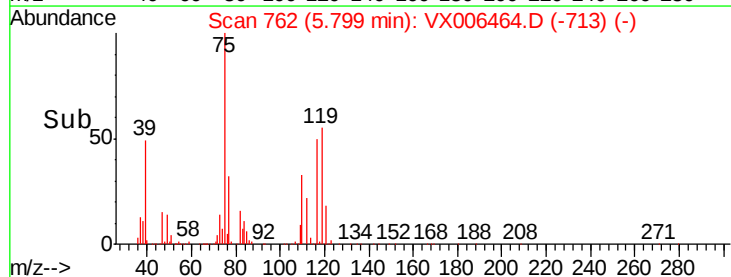
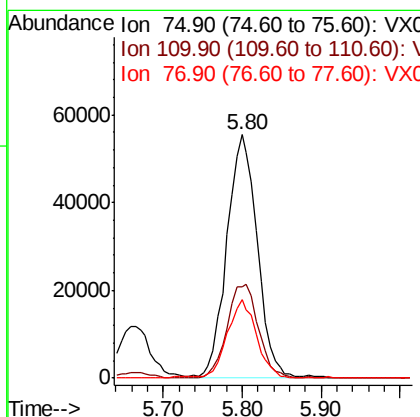
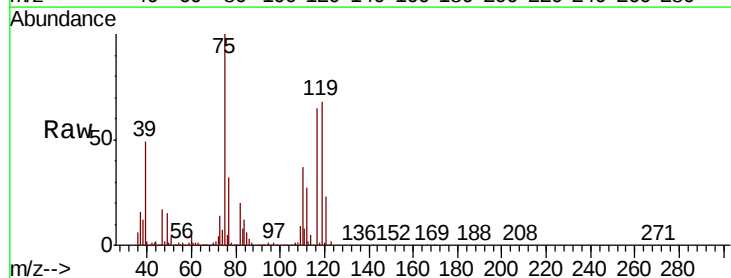
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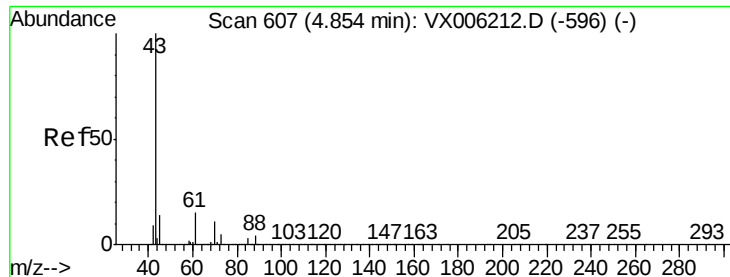
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#36
 1,1-Dichloropropene
 Concen: 20.678 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	20.4	61.3
77	30.7	24.9	37.3





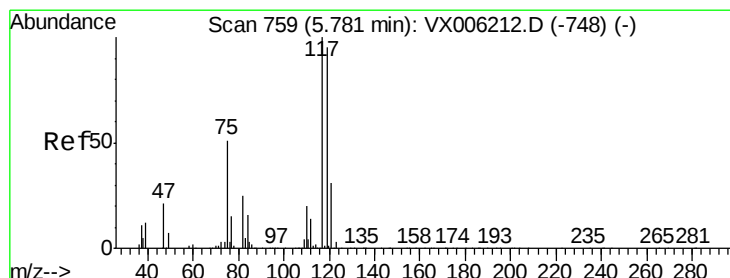
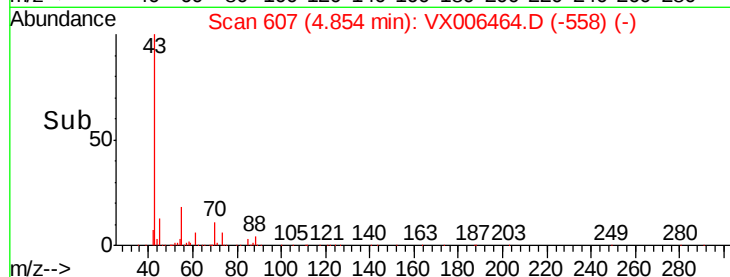
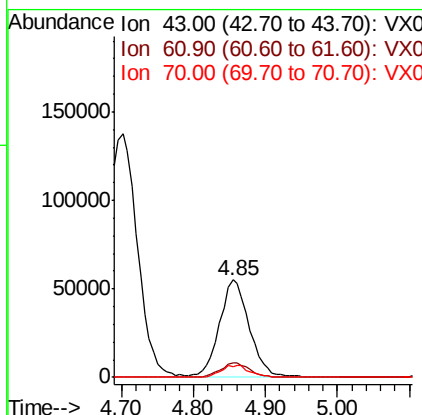
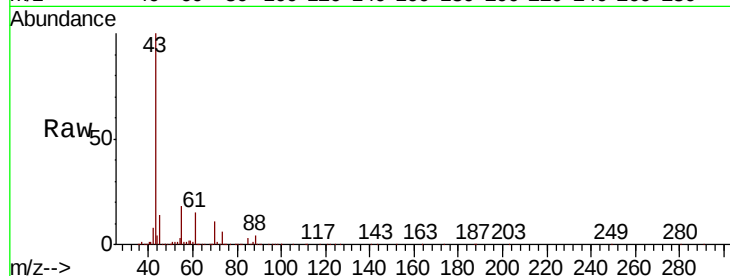
#37
Ethyl Acetate
Concen: 19.575 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion:	43	Resp:	156765
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.5	17.3
70	12.5	9.0	13.6

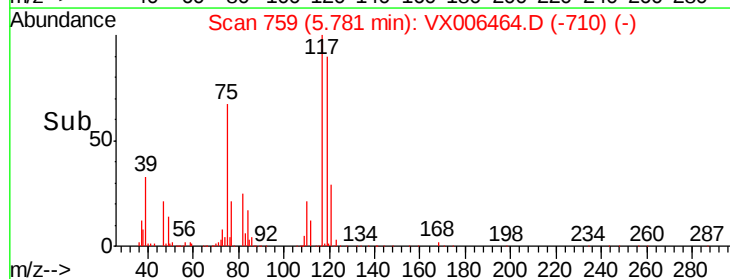
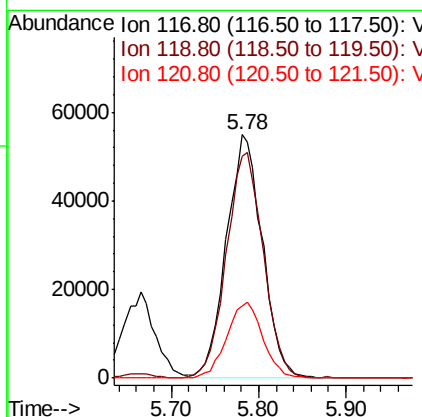
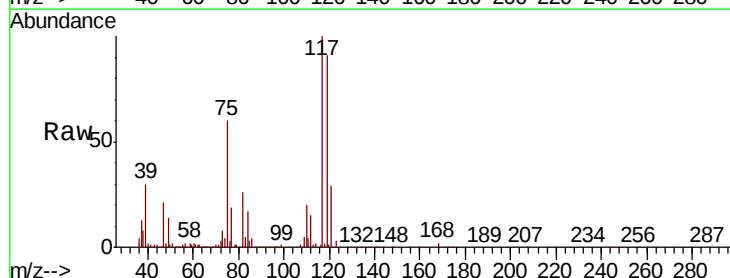
Manual Integrations
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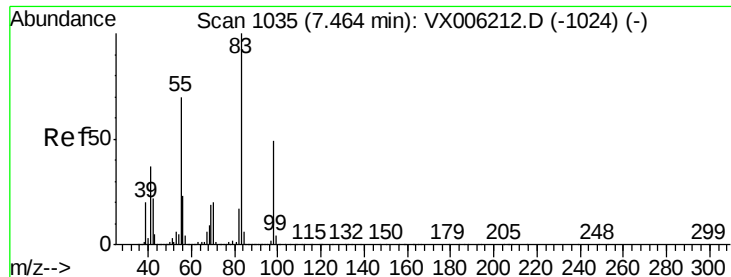
MMDadoda
12/13/2018 11:05:40 AM



#38
Carbon Tetrachloride
Concen: 18.565 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion:	117	Resp:	156186
Ion	Ratio	Lower	Upper
117	100		
119	91.0	75.8	113.8
121	29.3	24.6	37.0





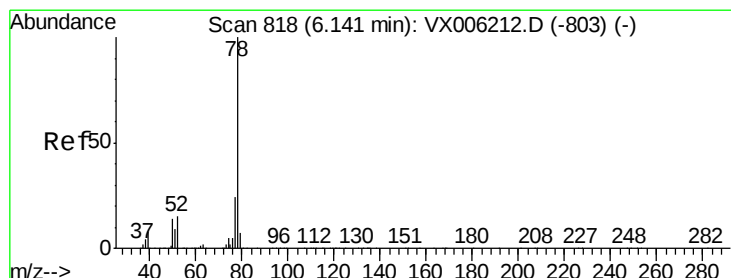
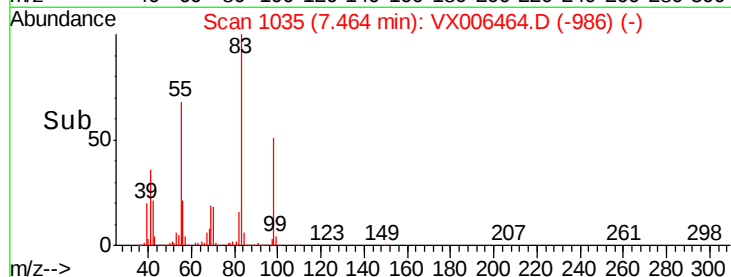
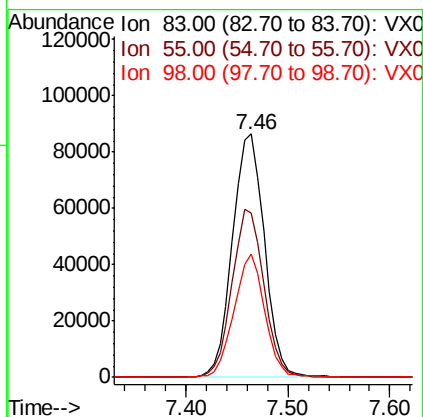
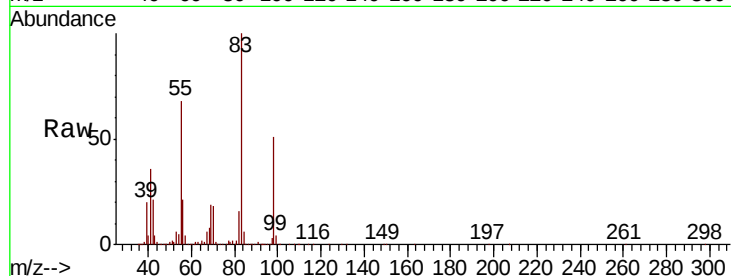
#39
Methvlcvclohexane
Concen: 20.346 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	188864		
55	67.4		56.4	84.6
98	50.5		39.0	58.6

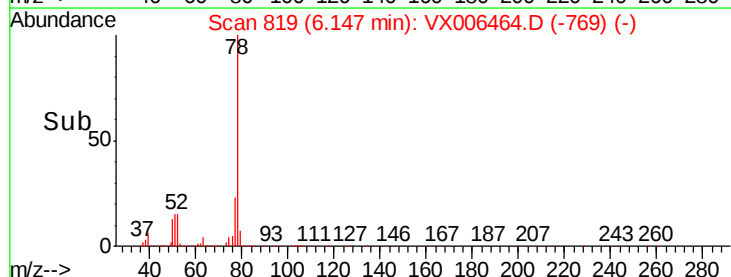
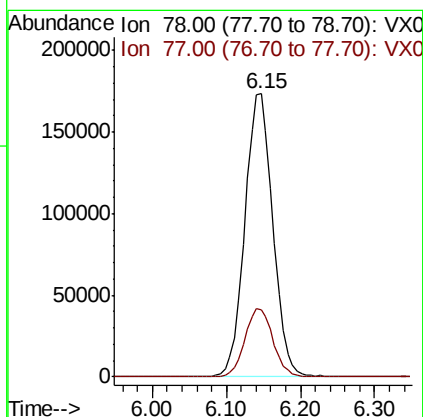
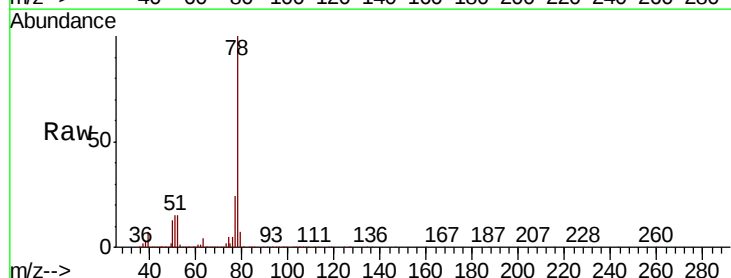
Manual Integrations
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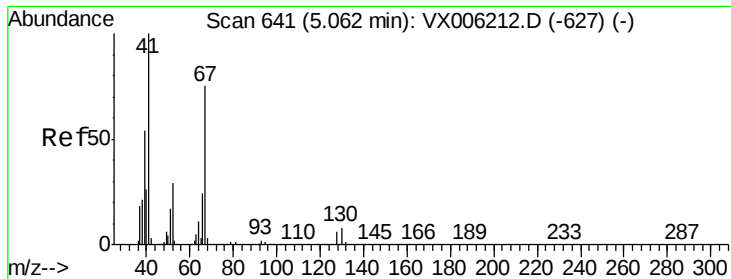
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#40
Benzene
Concen: 21.343 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	457127		
77	23.8		19.2	28.8





#41

Methacrylonitrile

Concen: 19.081 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

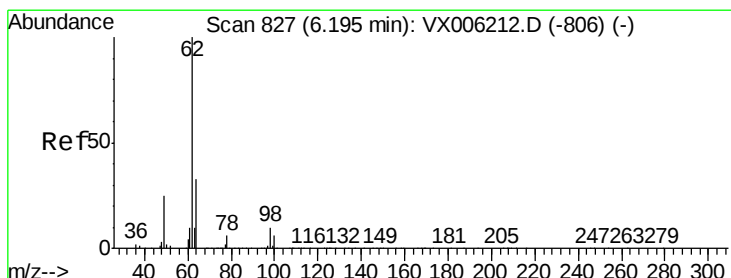
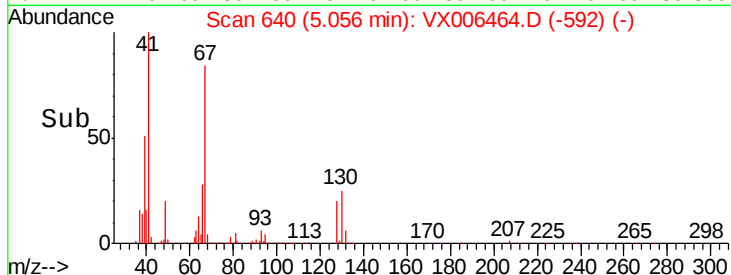
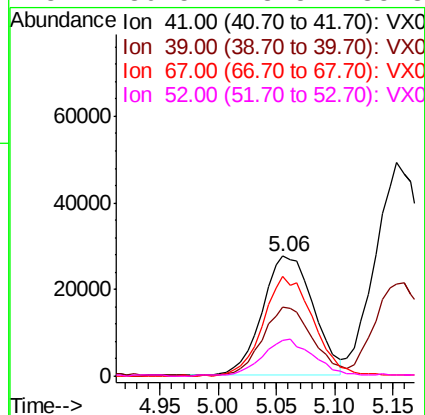
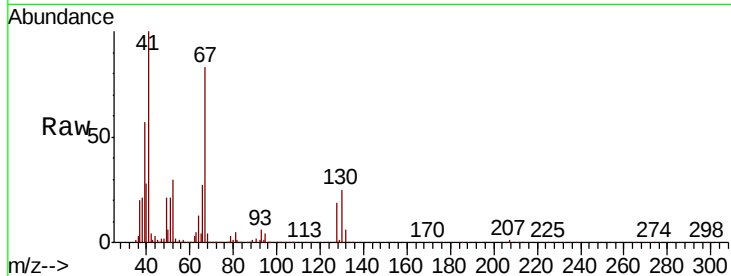
ClientSampleId :

VX1212WBSD02

Tot Ion:	41	Resp:	84081
Ion Ratio	Lower	Upper	
41	100		
39	56.9	44.0	66.0
67	81.8	61.4	92.0
52	30.5	23.5	35.3

Manual Integrations
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12/13/2018 11:05:40 AM



#42

1,2-Dichloroethane

Concen: 22.064 ug/l

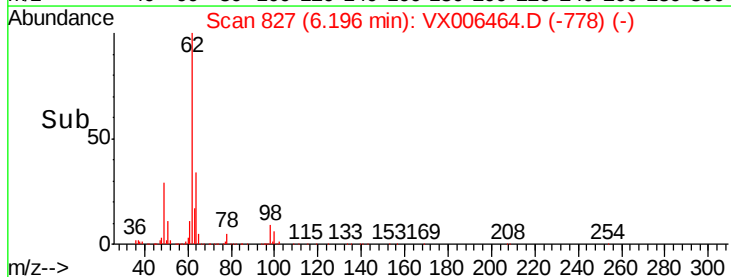
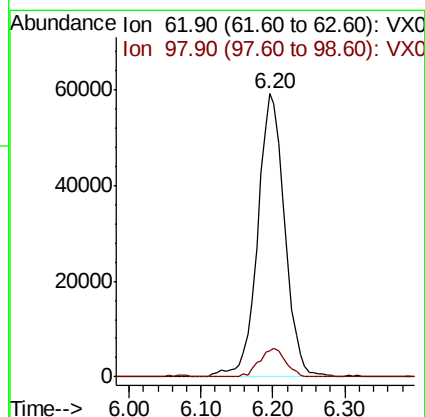
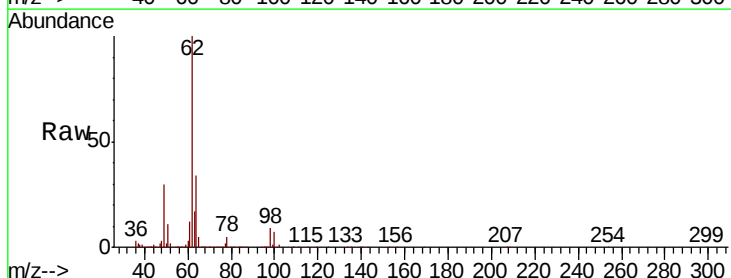
RT: 6.20 min Scan# 827

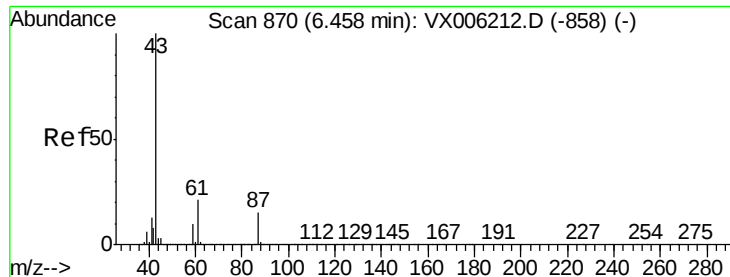
Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	62	Resp:	154662
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	20.2





#43

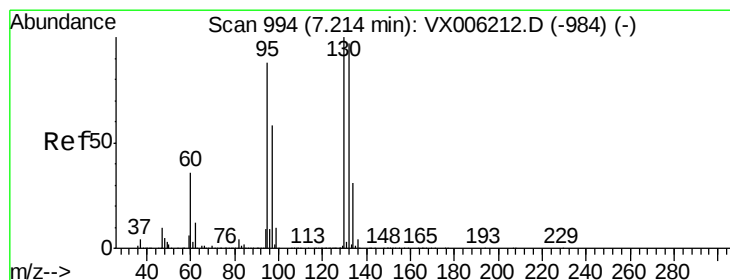
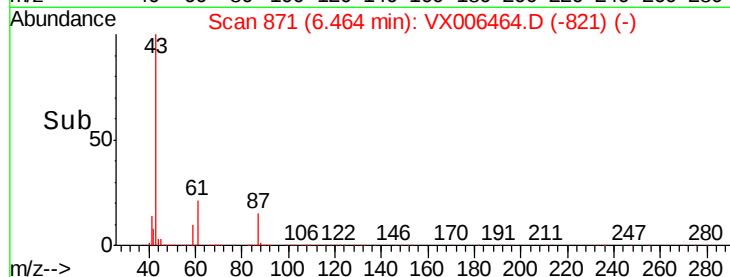
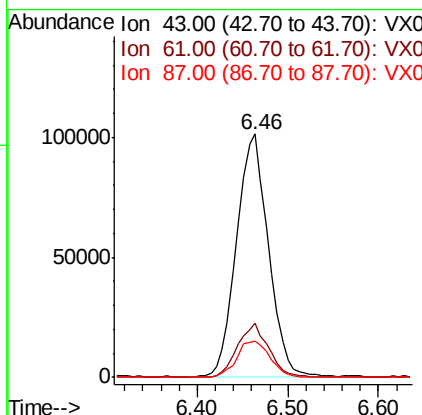
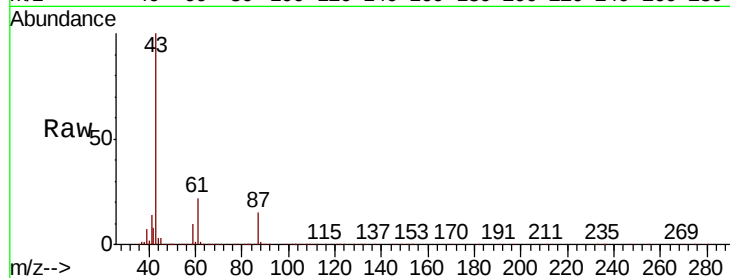
Isopropyl Acetate
 Concen: 18.507 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.8	25.2
87	15.7	11.9	17.9

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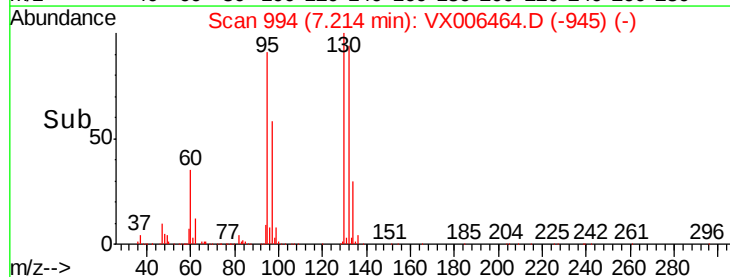
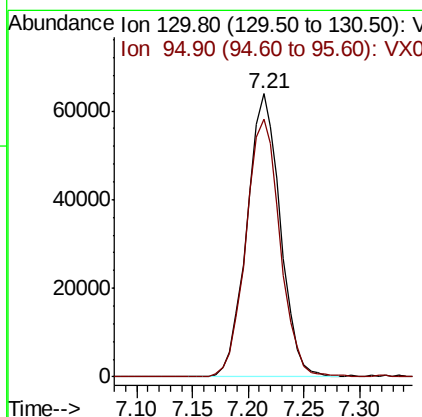
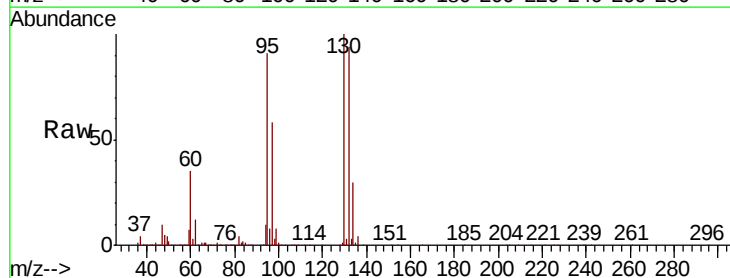
MMDadoda
 12/13/2018 11:05:40 AM



#44

Trichloroethene
 Concen: 20.584 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	175.8





#45

1,2-Dichloropropane

Concen: 20.917 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 63 Resp: 113860

Ion Ratio Lower Upper

63 100

65 29.9

24.3

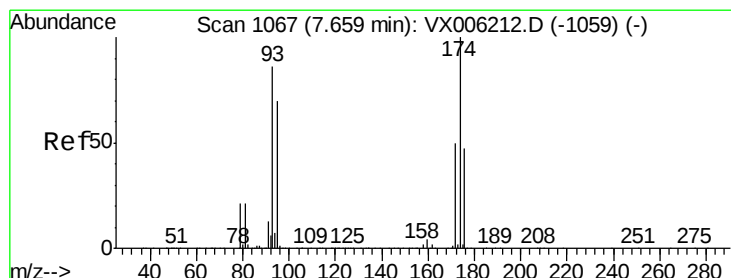
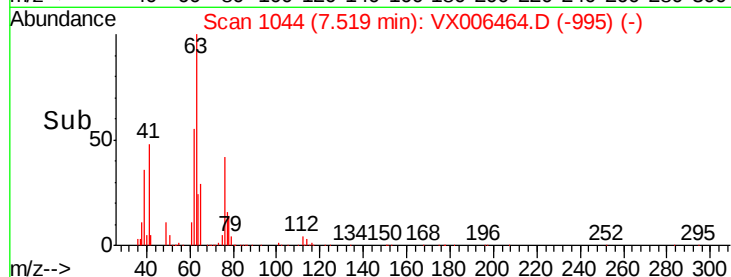
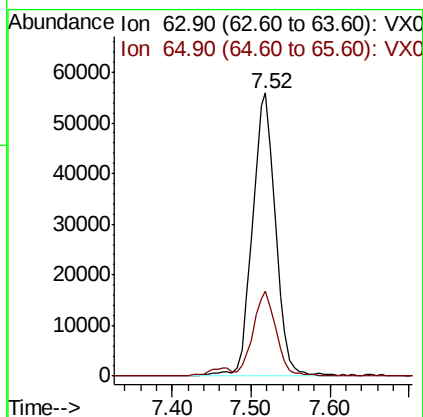
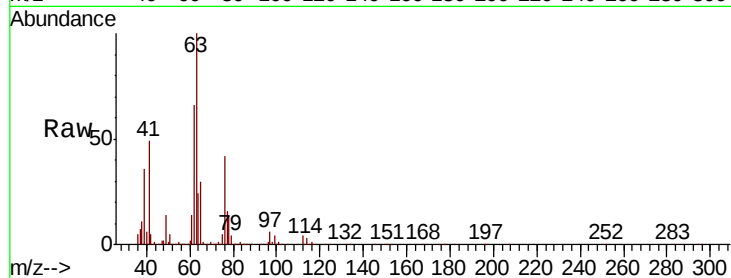
36.5

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#46

Dibromomethane

Concen: 20.781 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion: 93 Resp: 81697

Ion Ratio Lower Upper

93 100

95 83.1

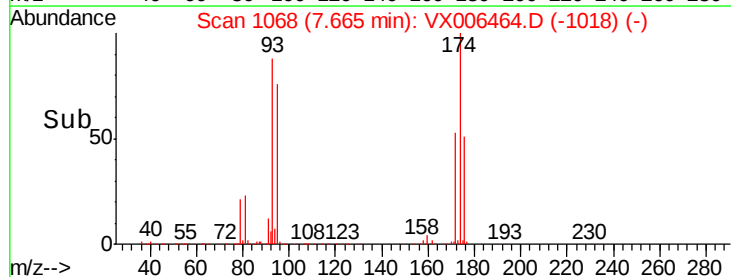
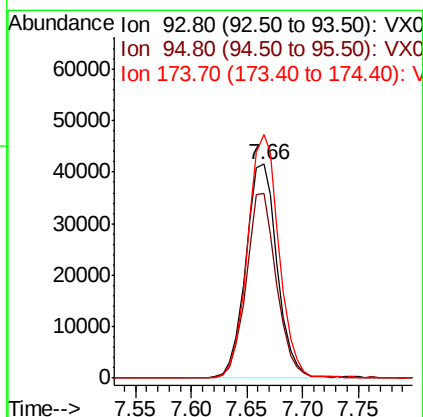
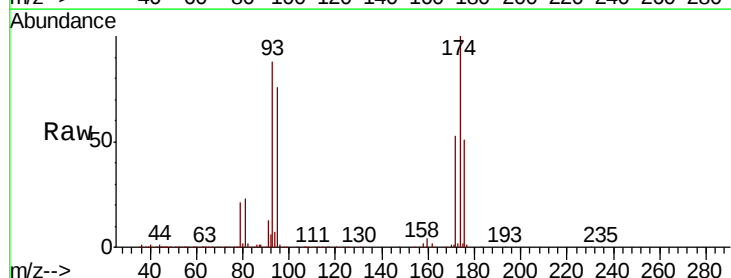
66.2

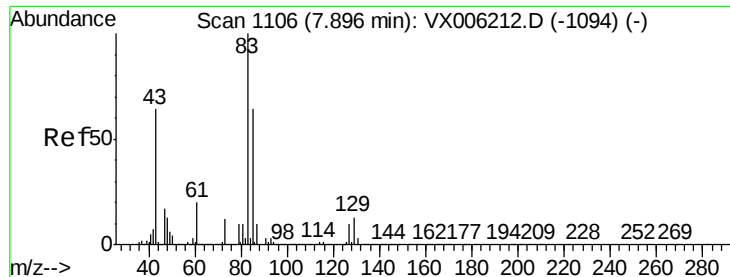
99.4

174 113.6

97.2

145.8





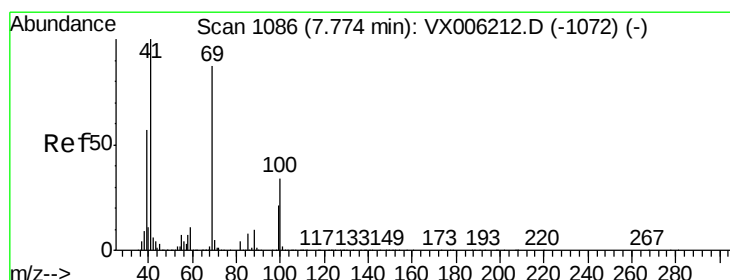
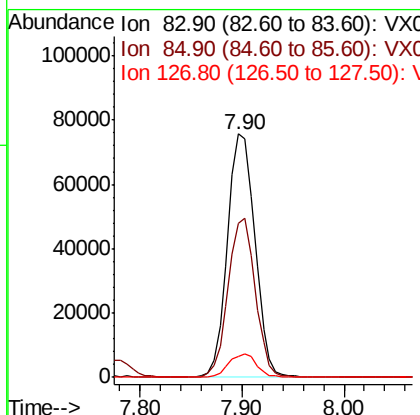
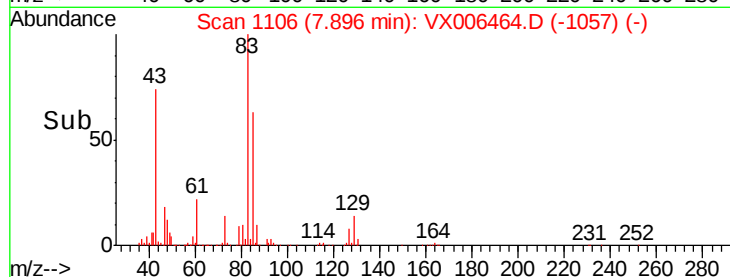
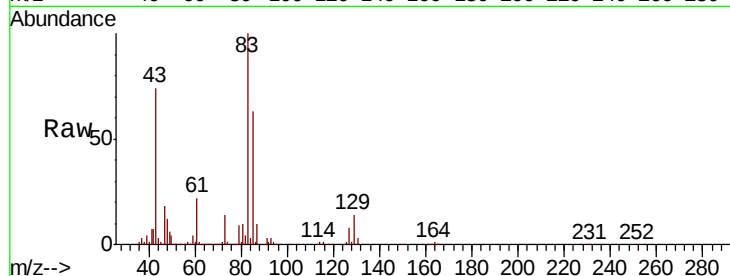
#47
Bromodichloromethane
Concen: 18.578 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	141441		
85	63.4	51.4	77.0	
127	8.5	7.9	11.9	

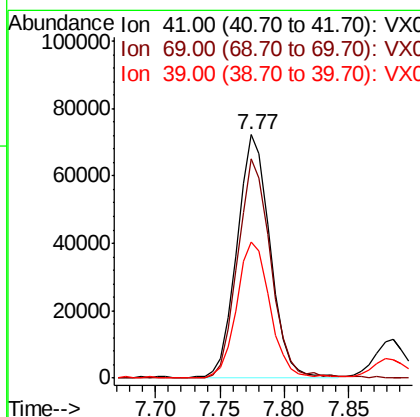
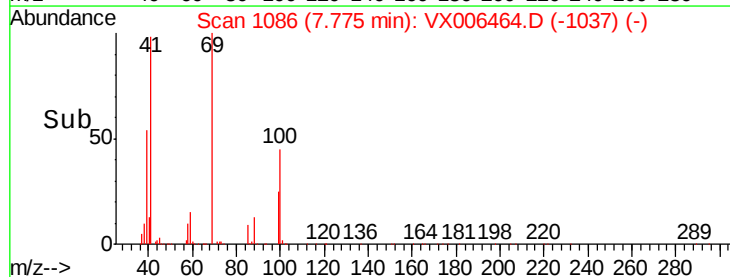
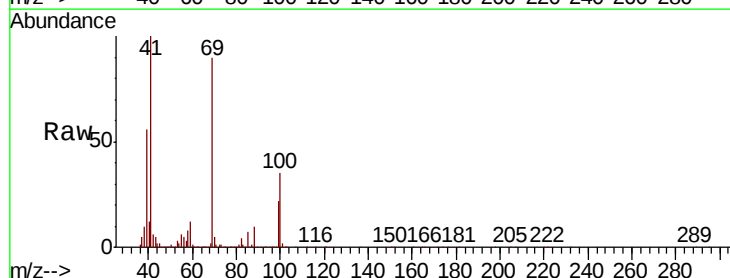
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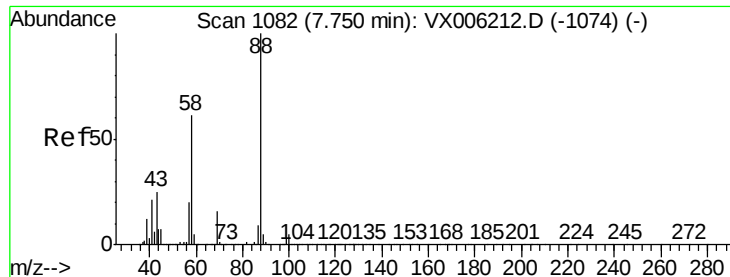
MMDadoda
12/13/2018 11:05:40 AM



#48
Methyl methacrylate
Concen: 19.769 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	128413		
69	89.8	70.3	105.5	
39	56.7	45.3	67.9	





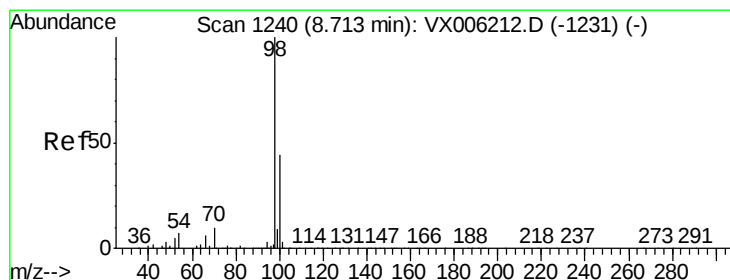
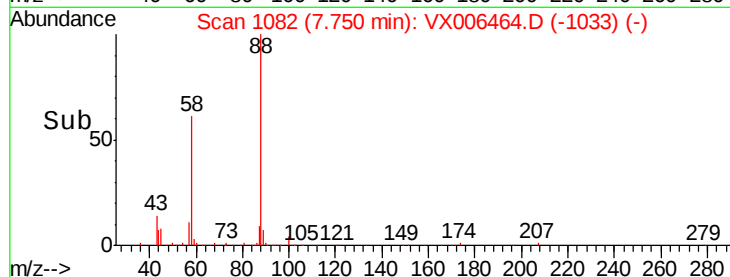
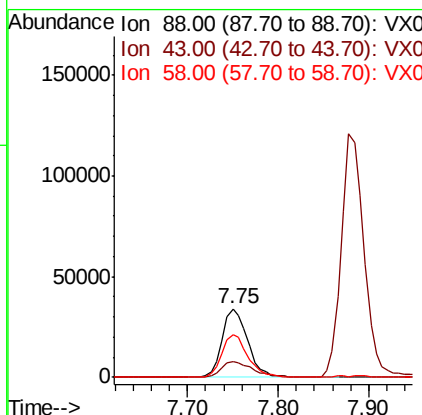
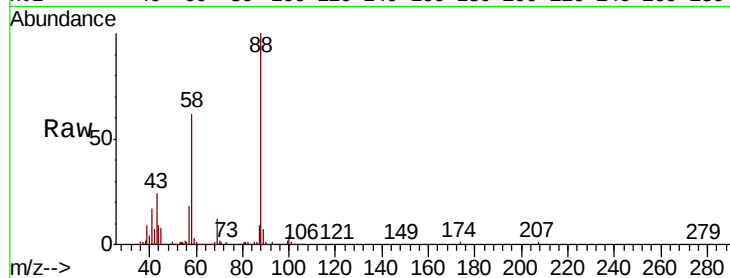
#49
1,4-Dioxane
Concen: 416.719 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.2	34.8
58	64.0	51.4	77.0

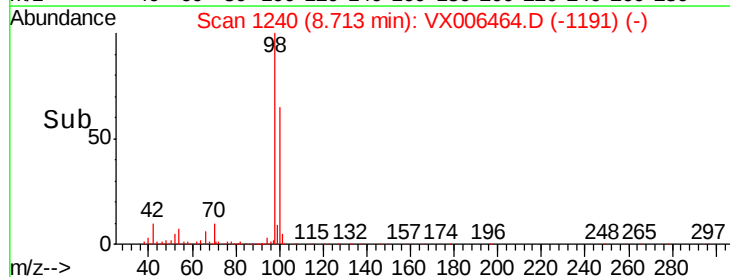
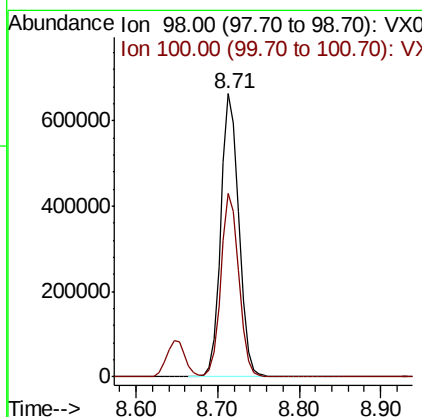
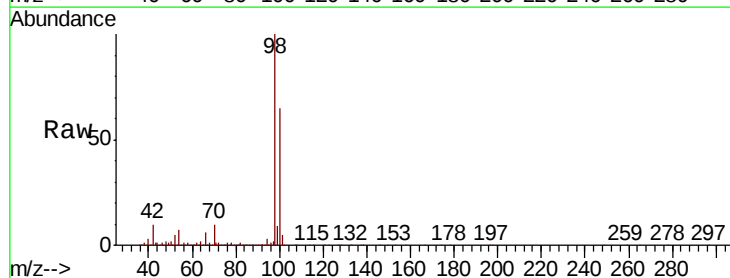
Manual Integrations
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12/13/2018 11:05:40 AM



#50
Toluene-d8
Concen: 51.049 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 100.420 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 43 Resp: 780554

Ion Ratio Lower Upper

43 100

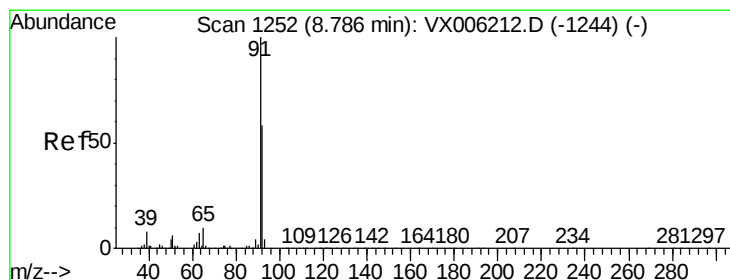
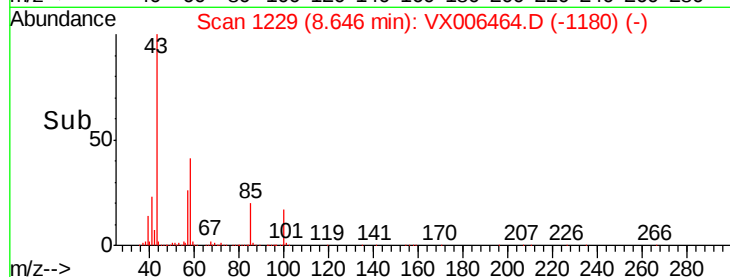
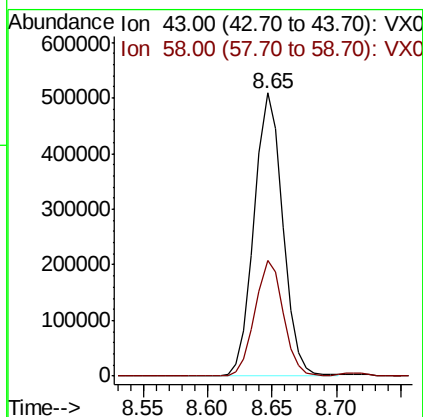
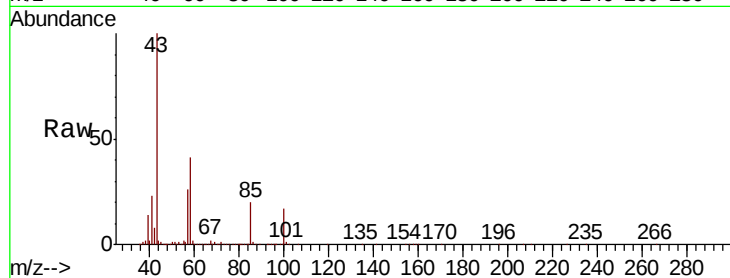
58 40.4 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 21.330 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006464.D

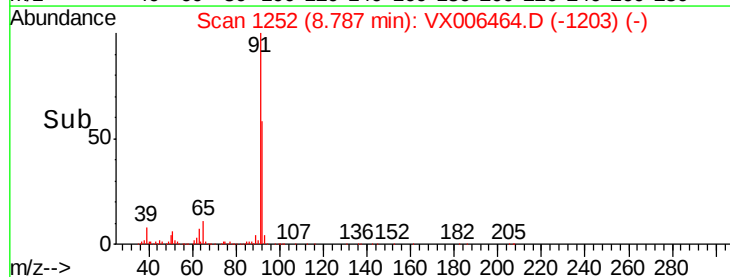
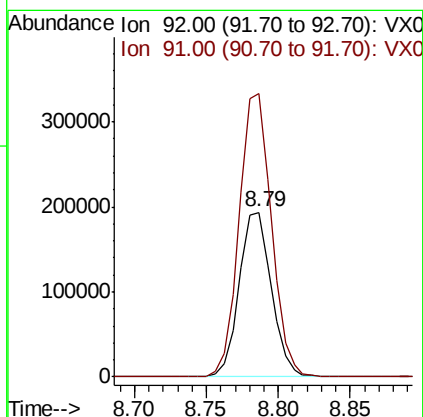
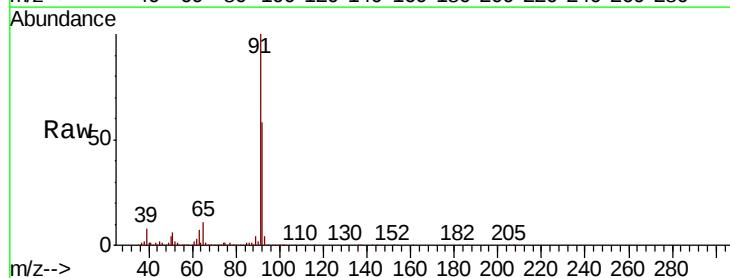
Acq: 13 Dec 2018 00:39

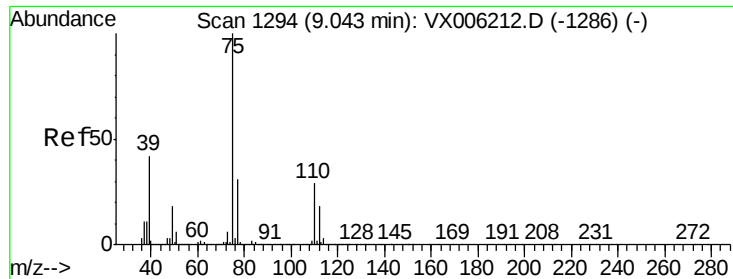
Tgt Ion: 92 Resp: 300564

Ion Ratio Lower Upper

92 100

91 172.7 139.2 208.8





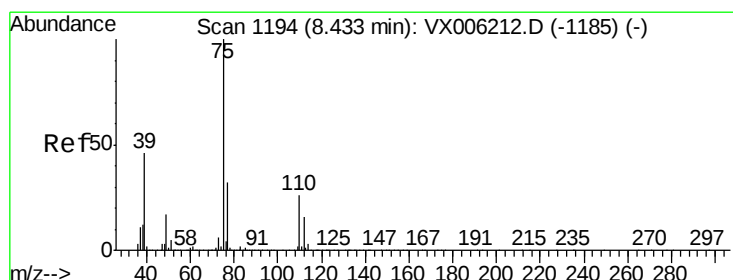
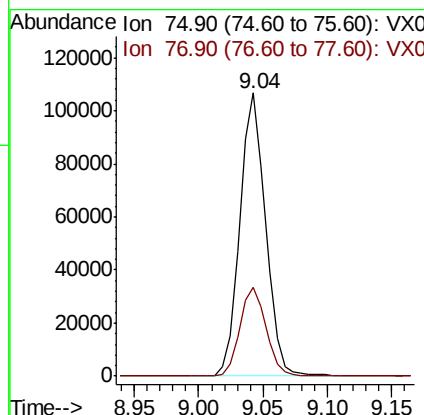
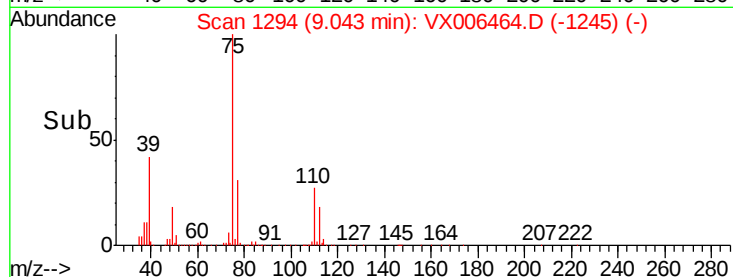
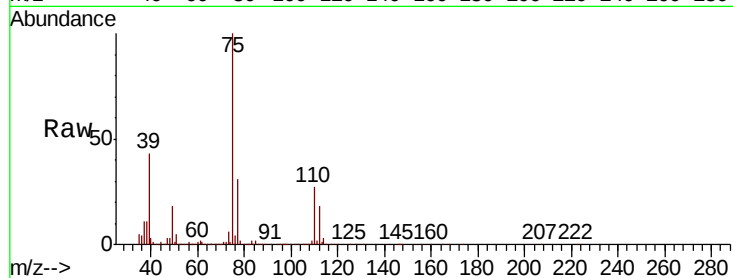
#53
t-1,3-Dichloropropene
Concen: 16.569 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4

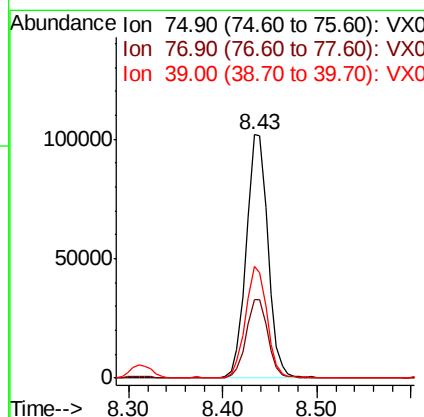
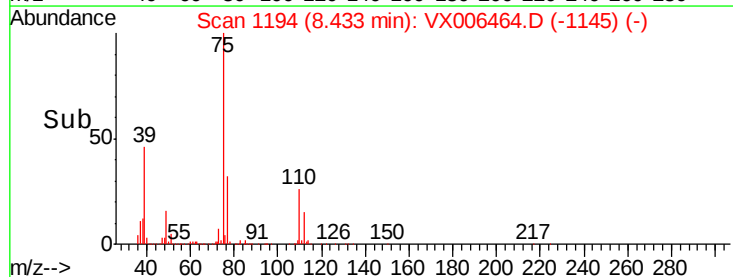
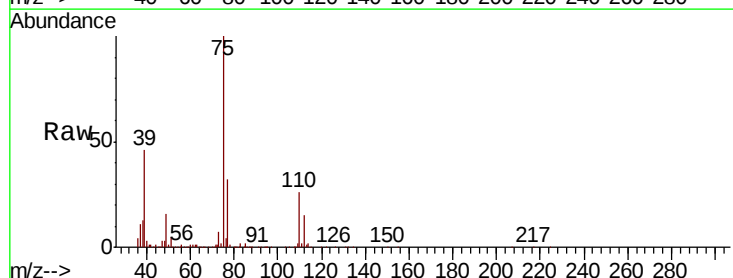
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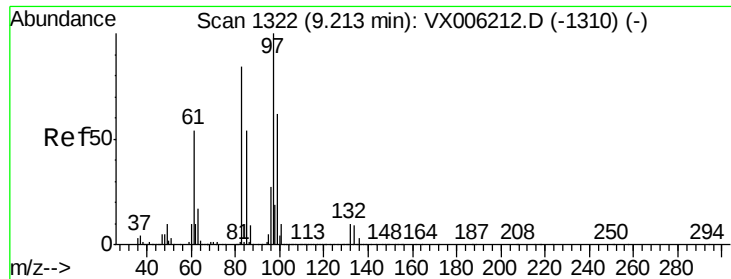
MMDadoda
12/13/2018 11:05:40 AM



#54
cis-1,3-Dichloropropene
Concen: 17.804 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4
39	45.8	36.5	54.7





#55

1,1,2-Trichloroethane

Concen: 21.344 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

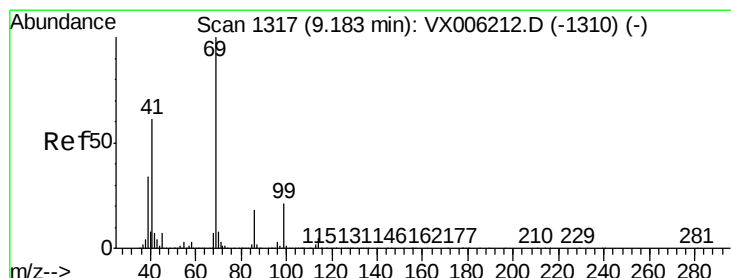
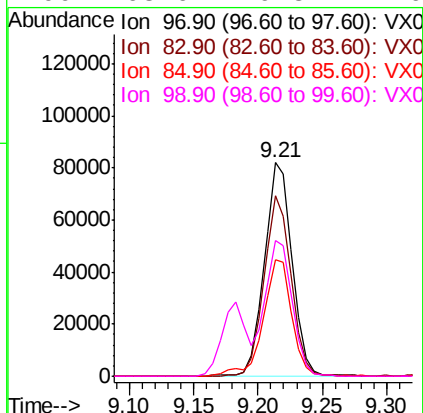
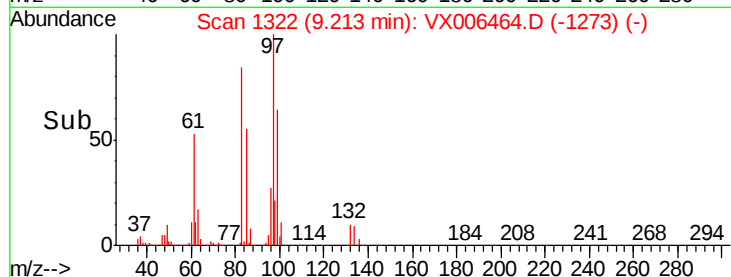
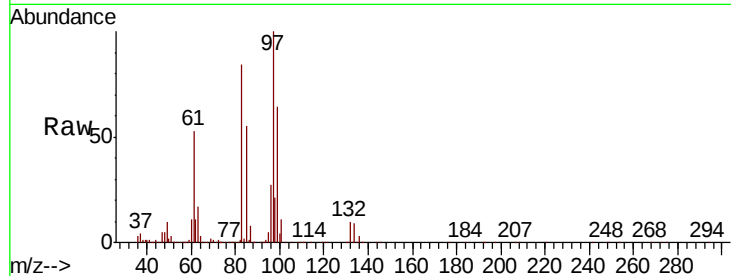
ClientSampleId :

VX1212WBSD02

Tot Ion:	97	Resp:	122188
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.1	100.7
85	54.8	43.2	64.8
99	63.6	49.8	74.6

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#56

Ethyl methacrylate

Concen: 20.213 ug/l

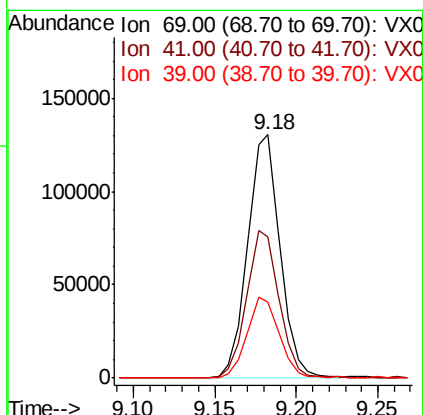
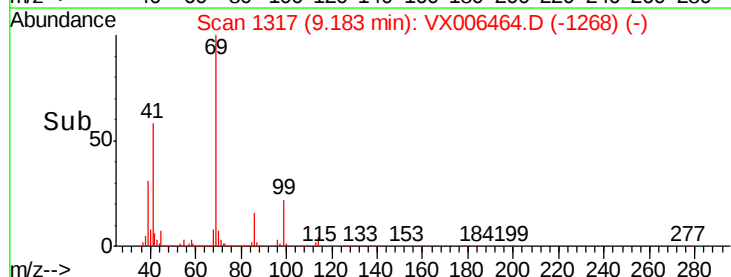
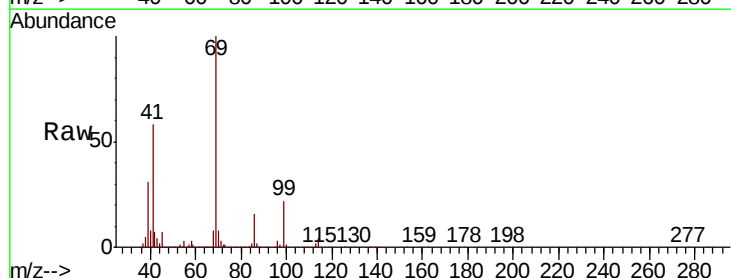
RT: 9.18 min Scan# 1317

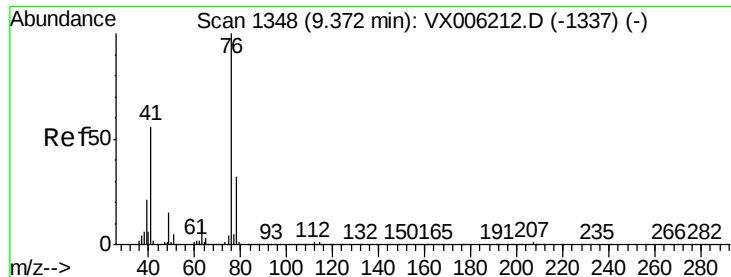
Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	69	Resp:	180894
Ion	Ratio	Lower	Upper
69	100		
41	60.3	50.6	76.0
39	32.9	27.6	41.4





#57

1,3-Dichloropropane

Concen: 21.387 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 76 Resp: 193604

Ion Ratio Lower Upper

76 100

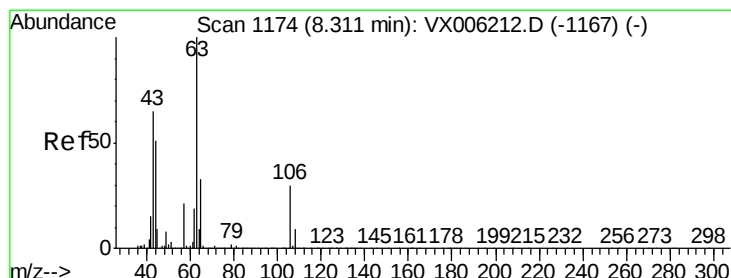
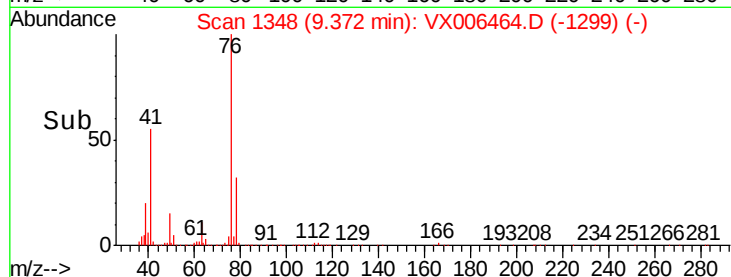
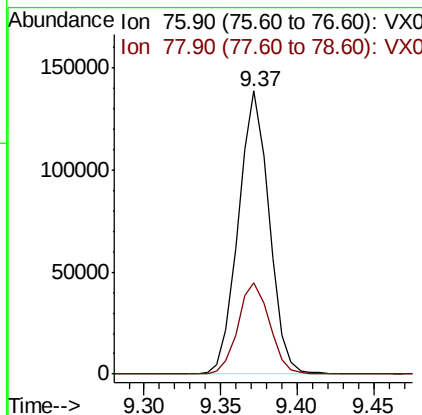
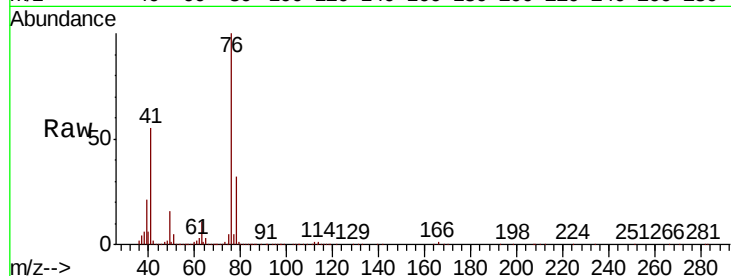
78 33.3 26.1 39.1

Manual Integrations

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MMDadoda

12/13/2018 11:05:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 93.058 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006464.D

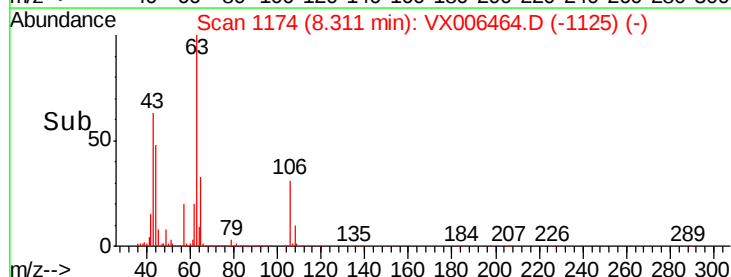
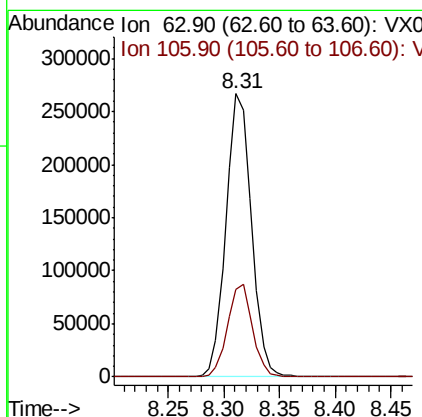
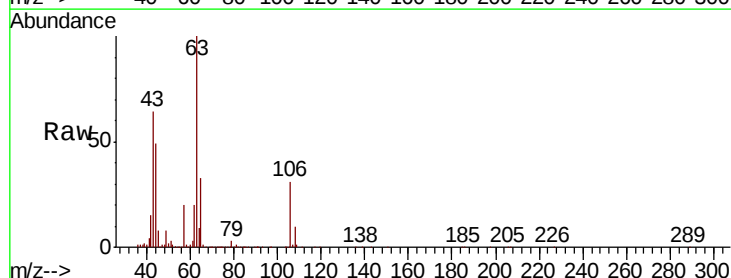
Acq: 13 Dec 2018 00:39

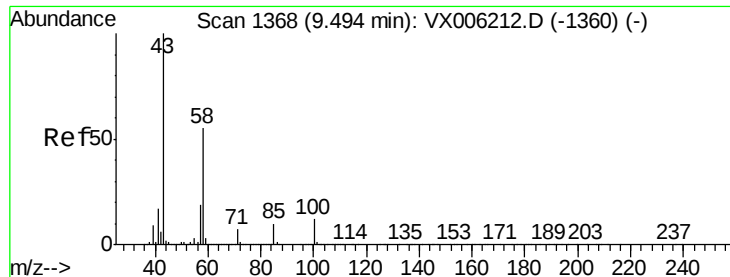
Tgt Ion: 63 Resp: 422609

Ion Ratio Lower Upper

63 100

106 32.1 24.9 37.3





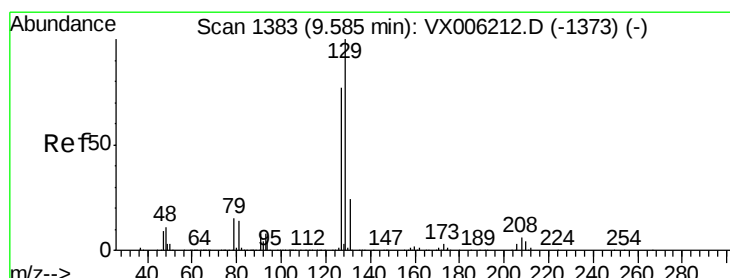
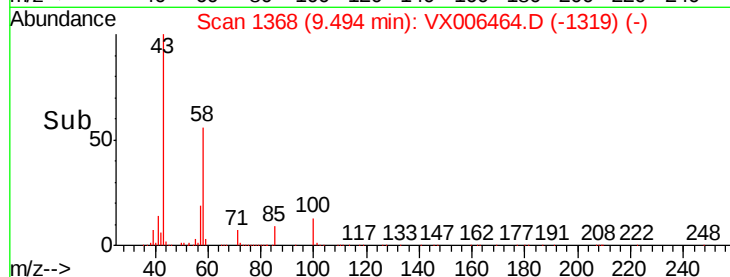
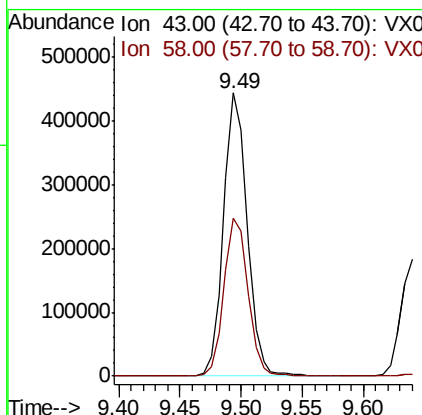
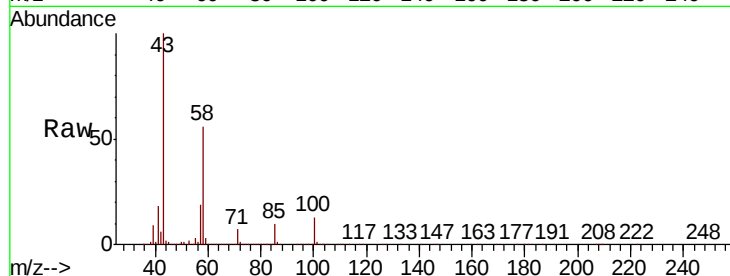
#59
2-Hexanone
Concen: 100.248 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.7	83.1

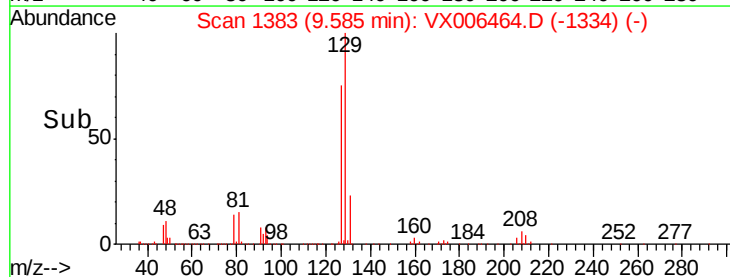
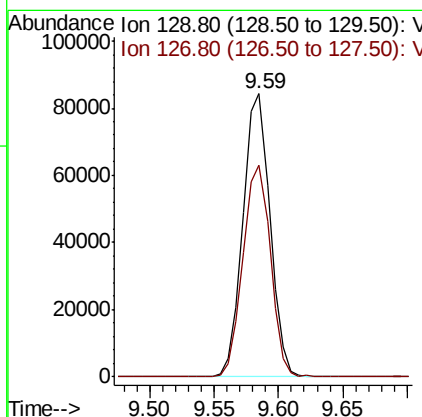
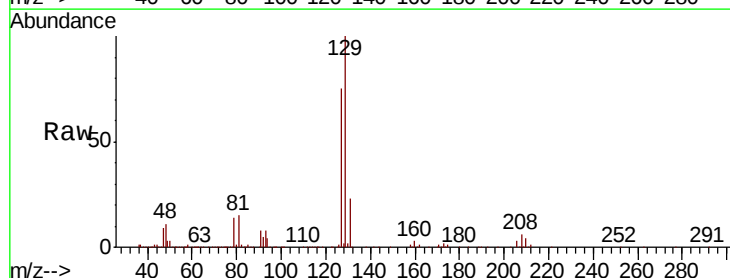
Manual Integrations
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#60
Dibromochloromethane
Concen: 17.330 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.656 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 107 Resp: 132218

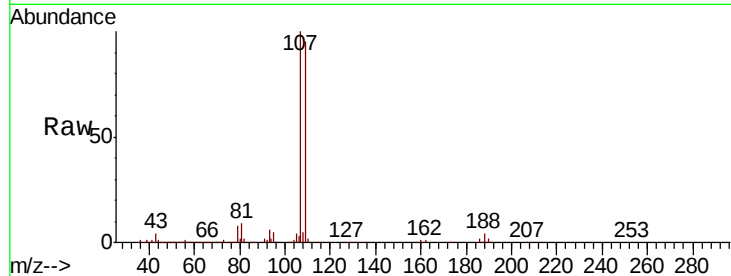
Ion Ratio Lower Upper

107 100

109 96.4 76.3 114.5

Manual Integrations
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MMDadoda
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

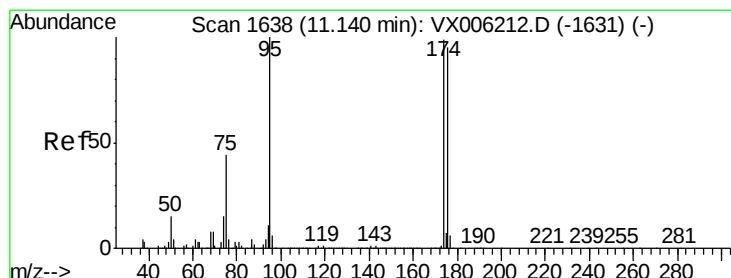
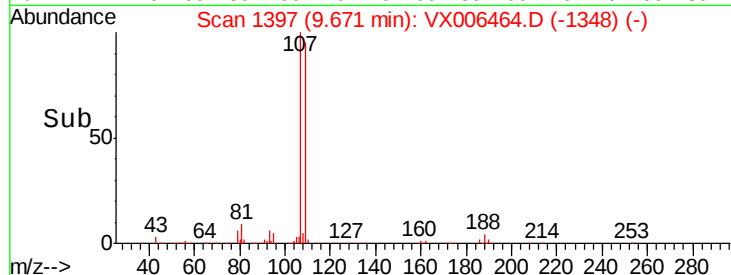
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.972 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

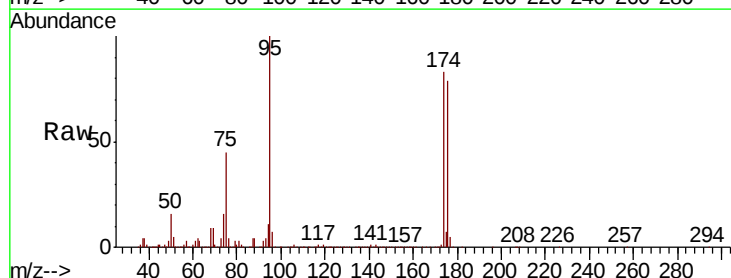
Tgt Ion: 95 Resp: 391675

Ion Ratio Lower Upper

95 100

174 88.5 0.0 187.0

176 86.9 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

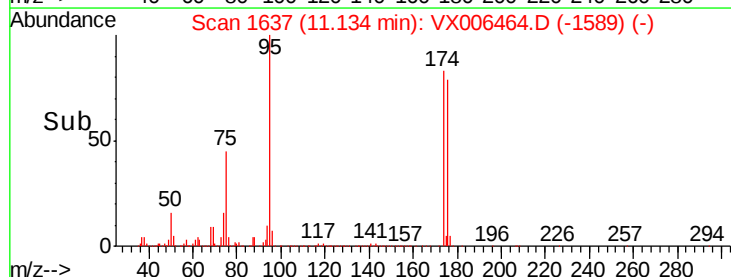
300000

200000

100000

0

Time-->





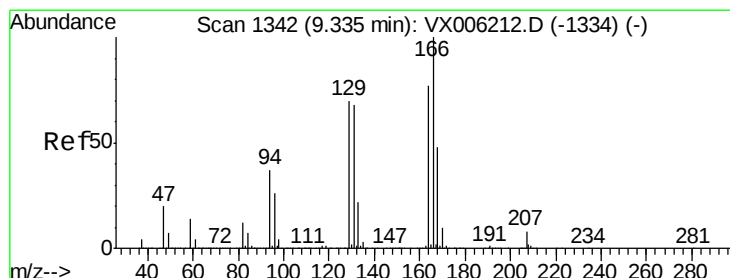
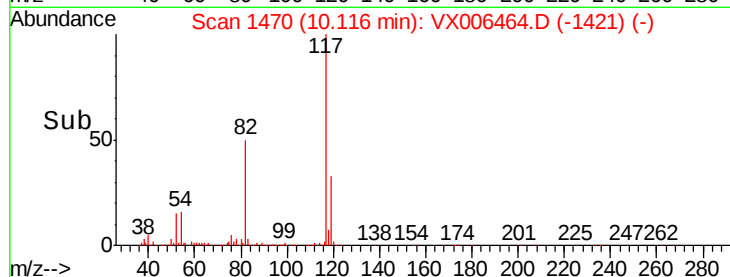
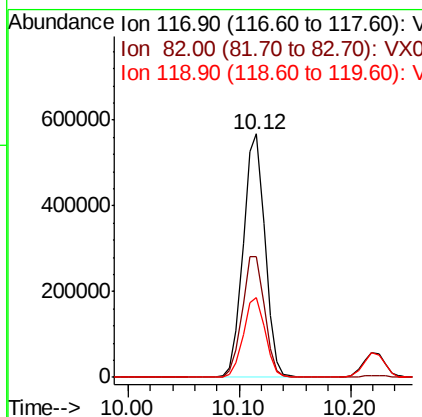
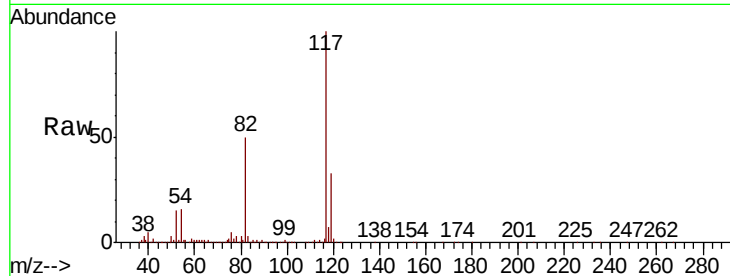
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	39.6	59.4
119	32.6	26.3	39.5

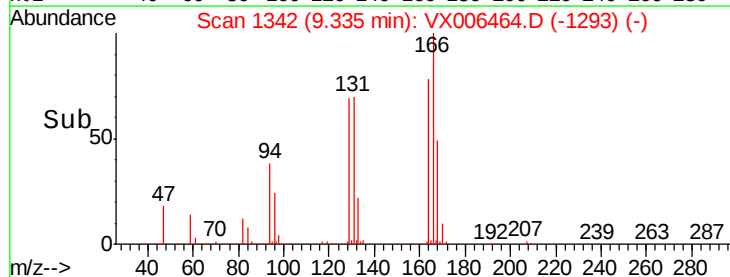
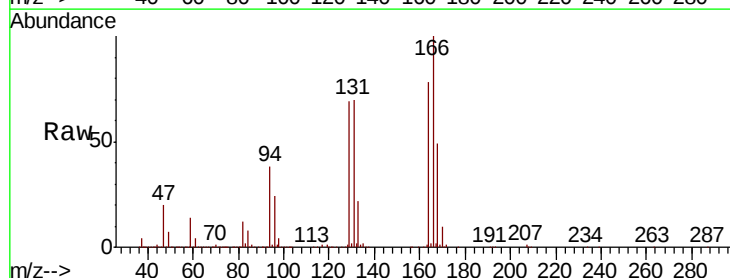
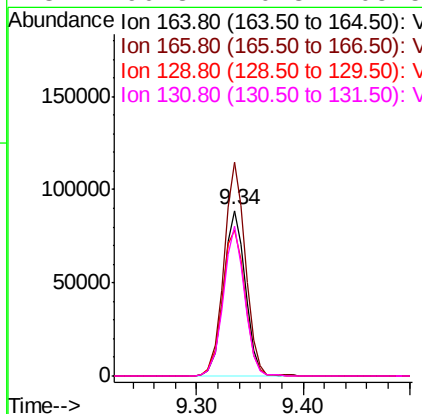
Manual Integrations
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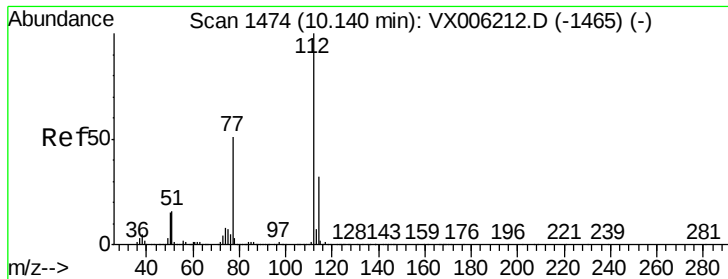
MMDadoda
12/13/2018 11:05:40 AM



#64
Tetrachloroethene
Concen: 21.942 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	104.2	156.2
129	88.4	72.6	108.8
131	90.3	70.3	105.5





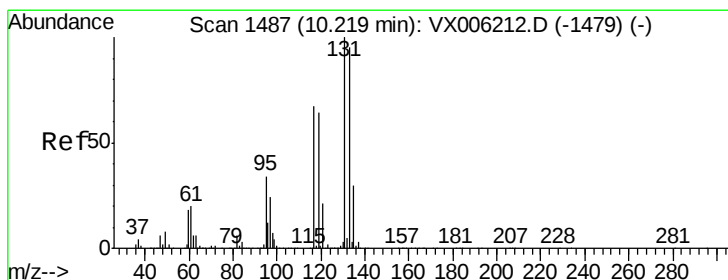
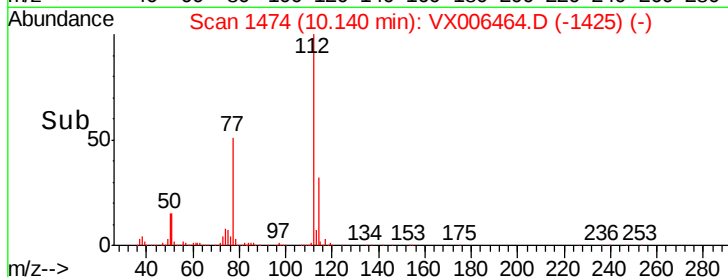
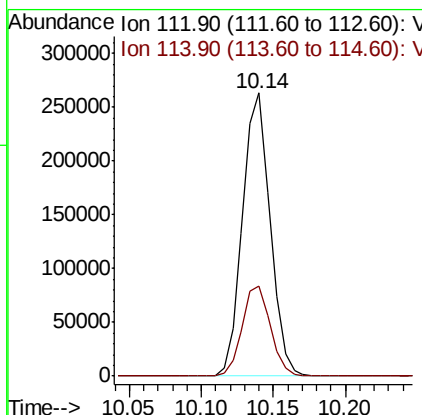
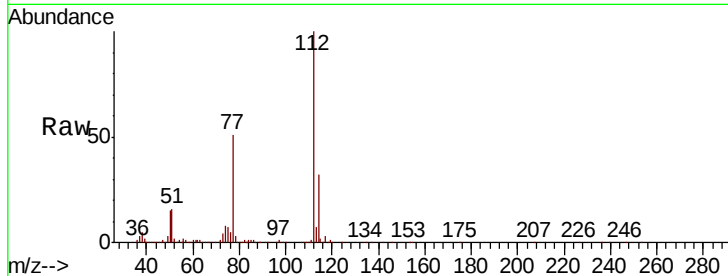
#65
Chlorobenzene
Concen: 21.543 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

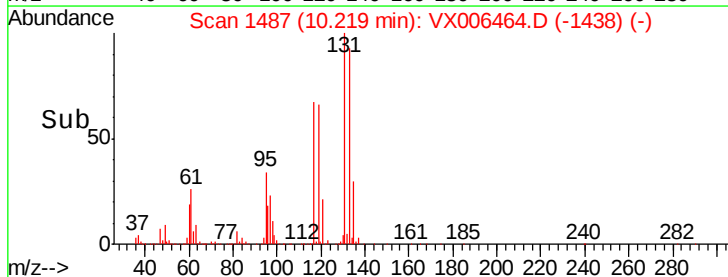
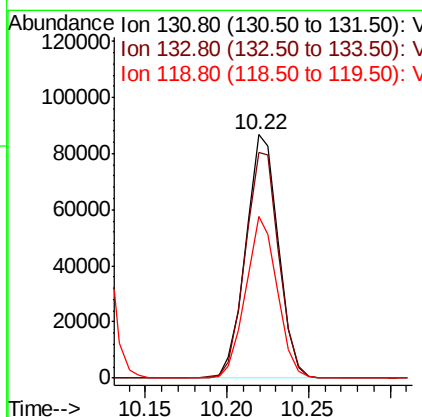
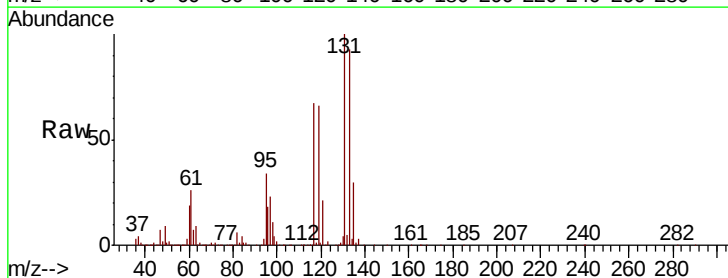
Manual Integrations
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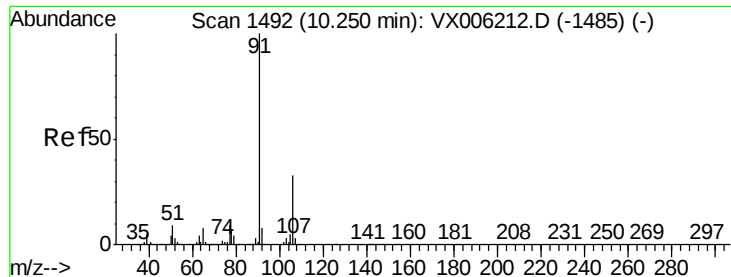
MMDadoda
12/13/2018 11:05:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.088 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.1	144.4
119	63.6	32.1	96.3





#67

Ethyl Benzene

Concen: 21.263 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 91 Resp: 576063

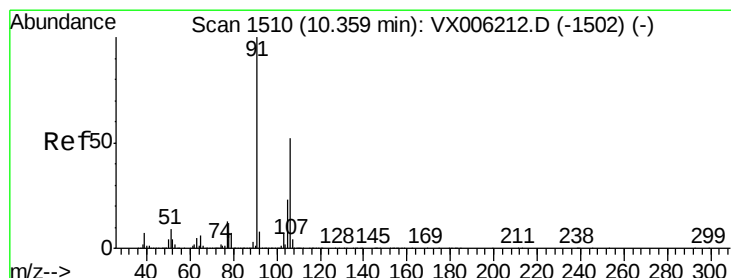
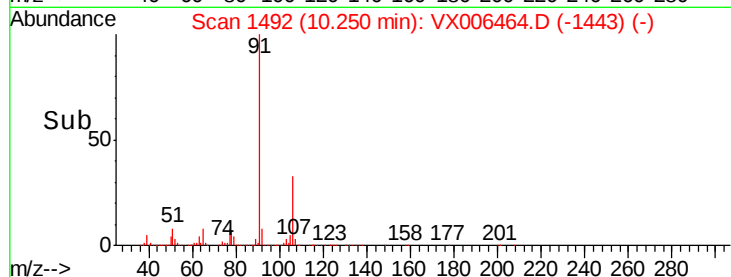
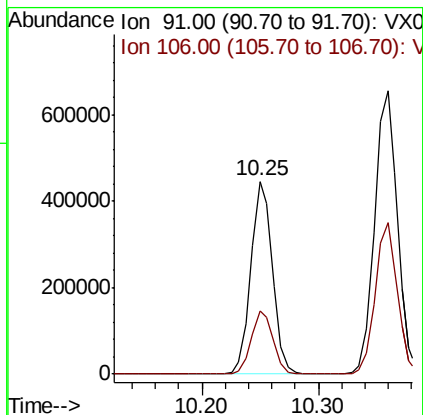
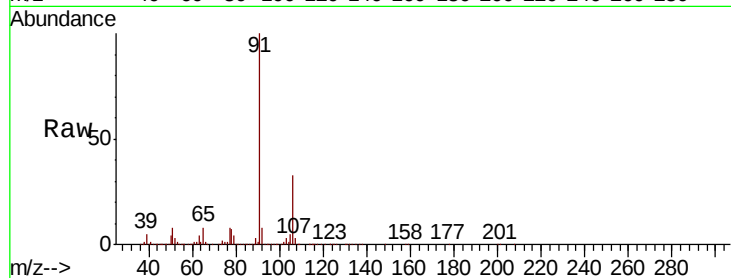
Ion Ratio Lower Upper

91 100

106 32.9 26.5 39.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.678 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006464.D

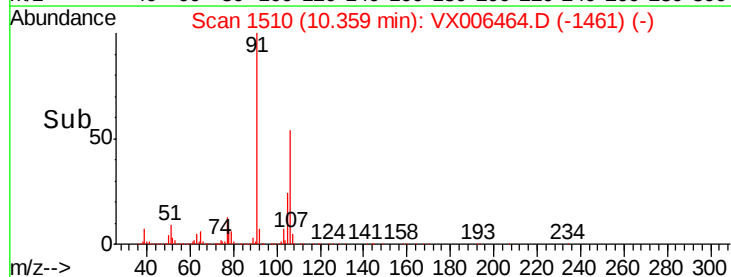
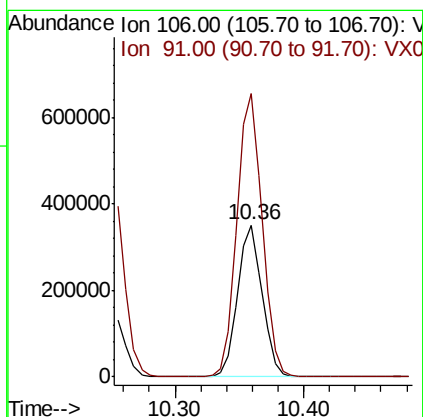
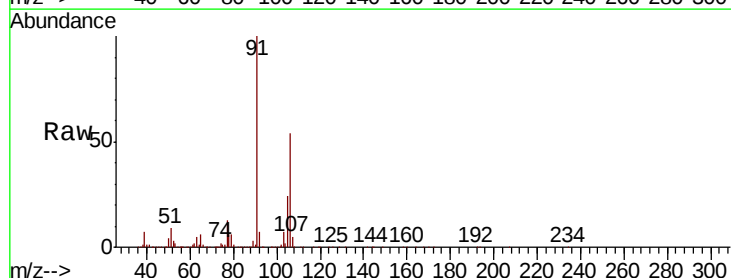
Acq: 13 Dec 2018 00:39

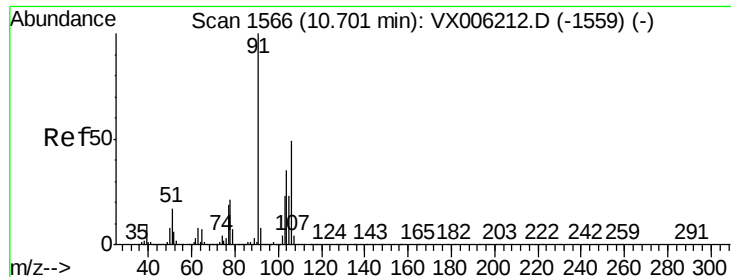
Tgt Ion: 106 Resp: 463157

Ion Ratio Lower Upper

106 100

91 192.5 155.2 232.8





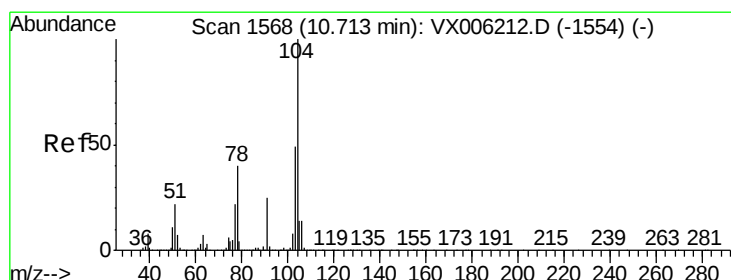
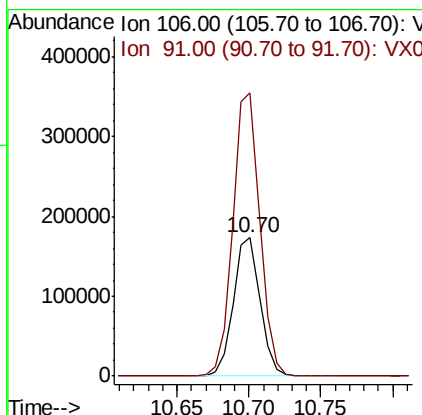
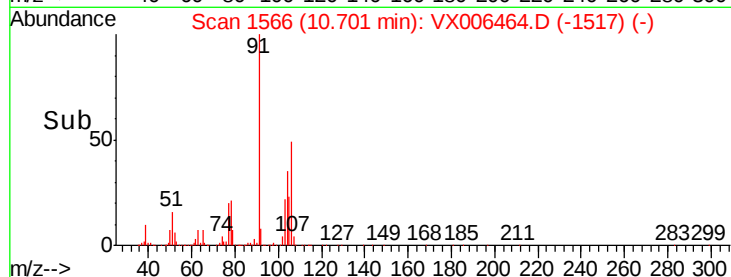
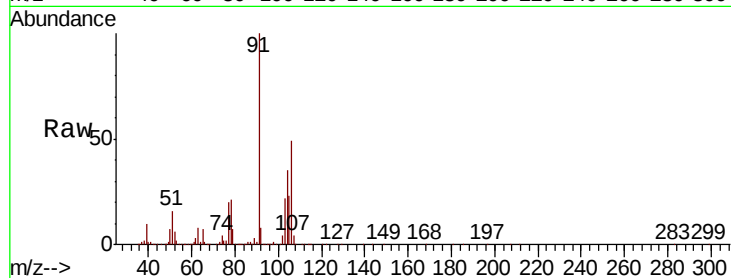
#69
o-Xylene
Concen: 21.017 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.0	101.8	305.6

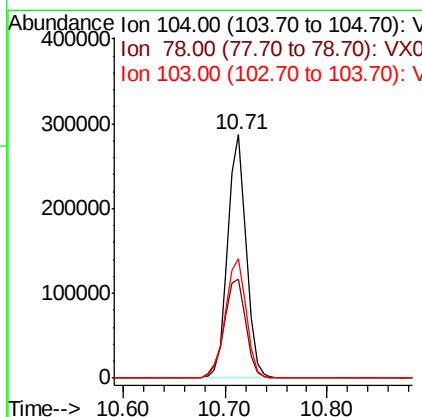
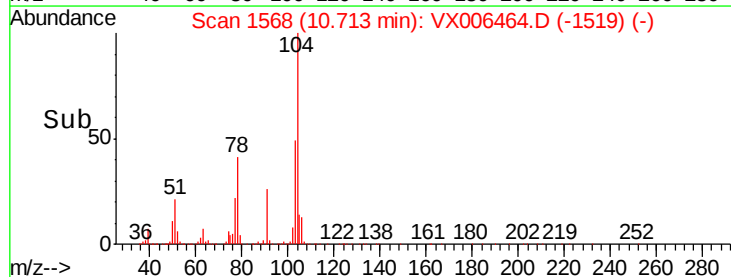
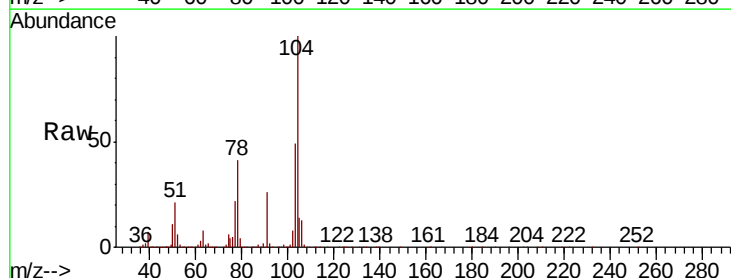
Manual Integrations
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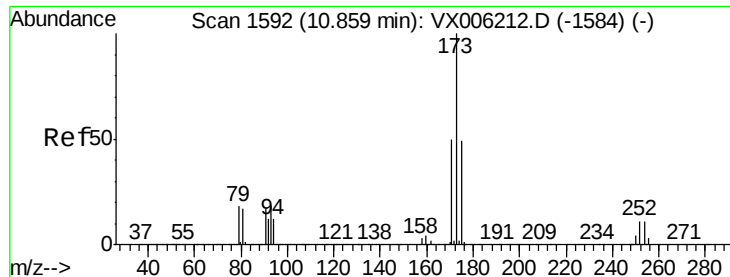
MMDadoda
12/13/2018 11:05:40 AM



#70
Styrene
Concen: 20.742 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.2	55.8
103	55.5	43.5	65.3





#71

Bromoform

Concen: 15.023 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

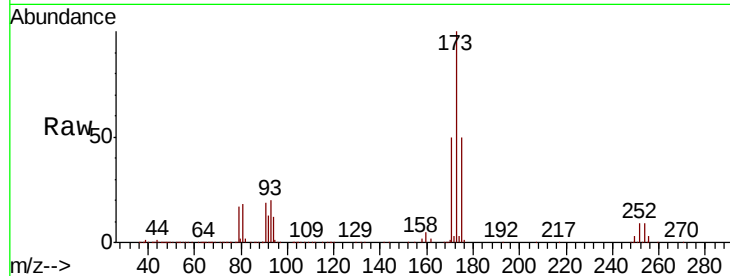
ClientSampleId :

VX1212WBSD02

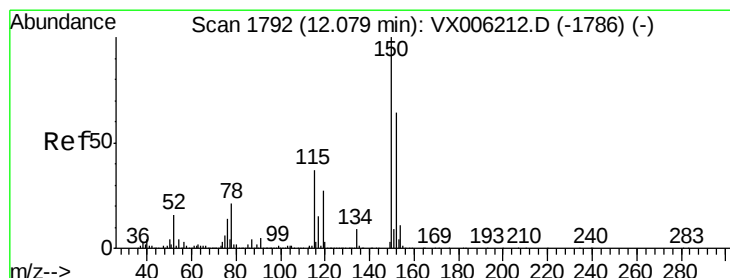
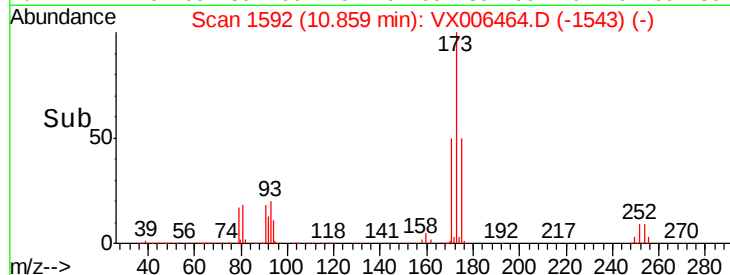
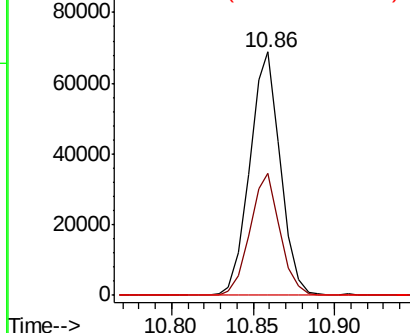
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.1	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

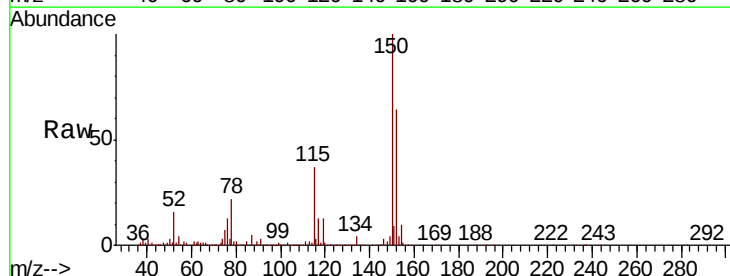
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

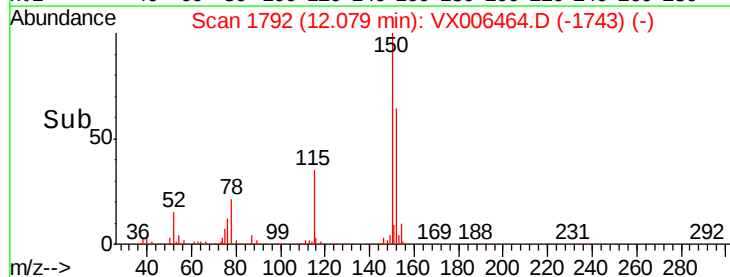
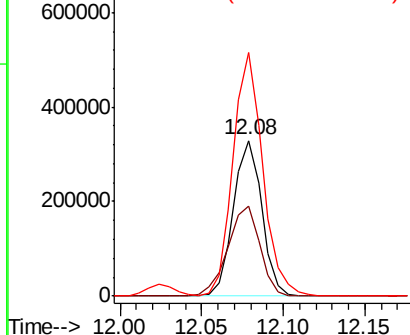
Lab File: VX006464.D

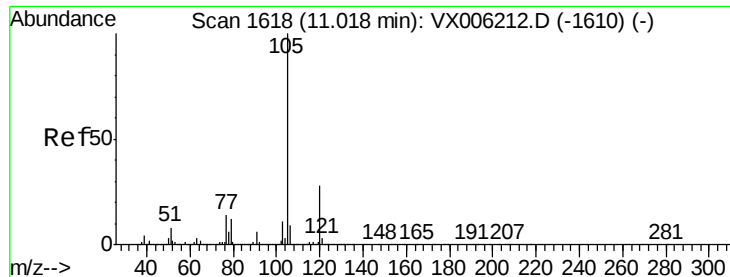
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	39.0	116.9
150	163.7	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: 21.693 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion:105 Resp: 597716

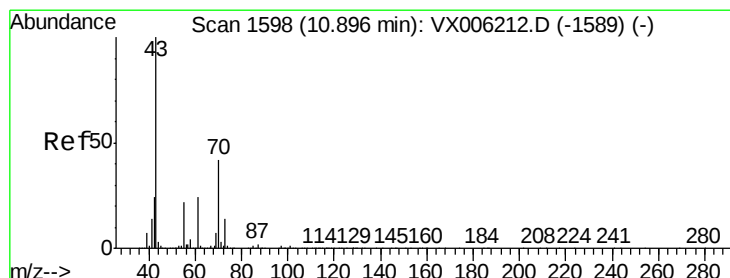
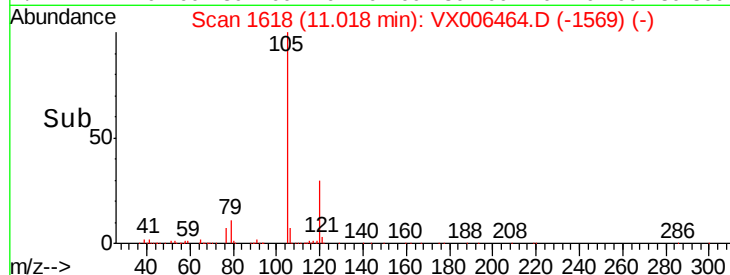
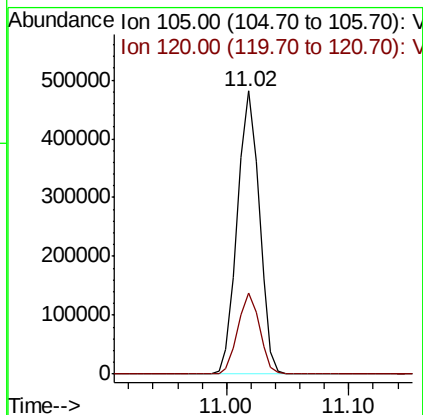
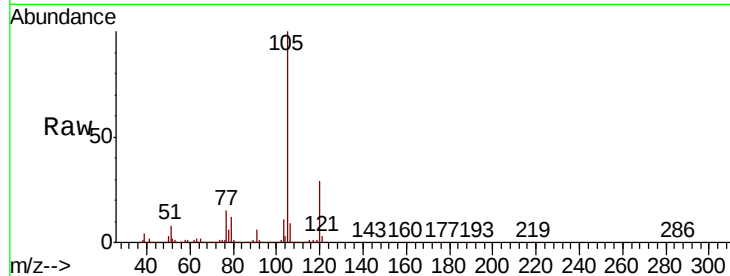
Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.897 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion: 43 Resp: 224213

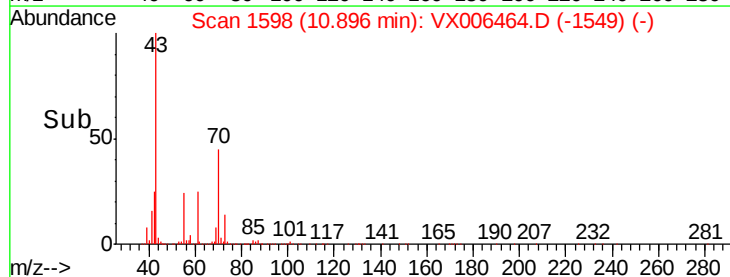
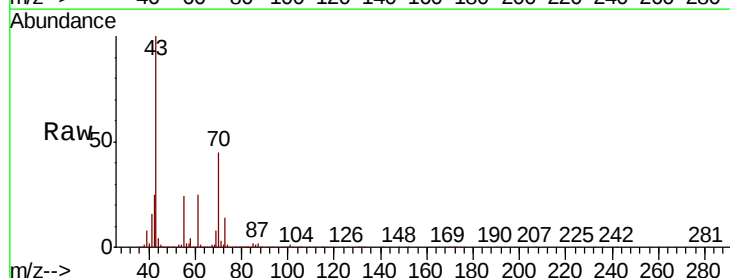
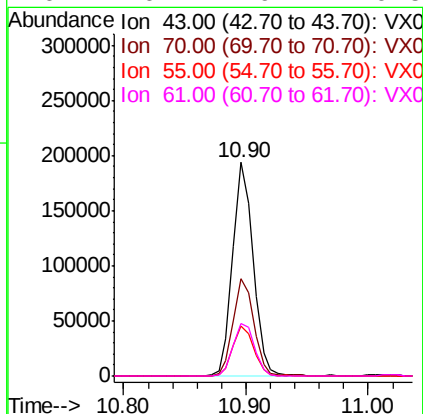
Ion Ratio Lower Upper

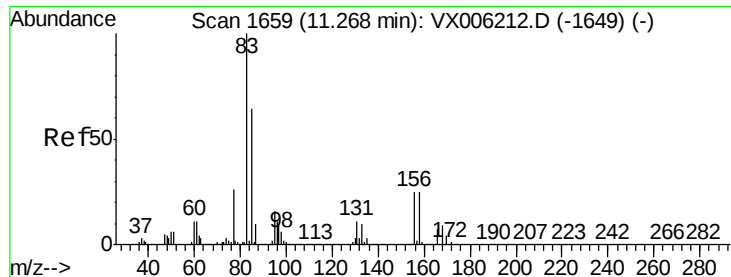
43 100

70 46.2 34.1 51.1

55 24.3 17.8 26.8

61 26.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.972 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

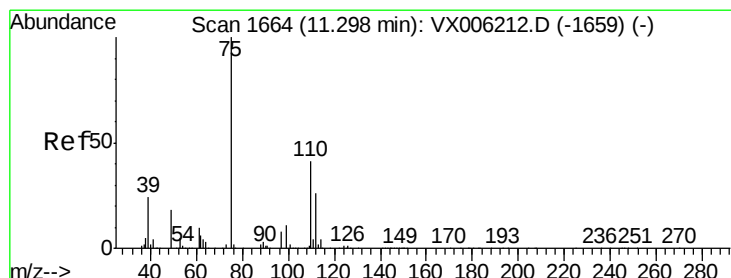
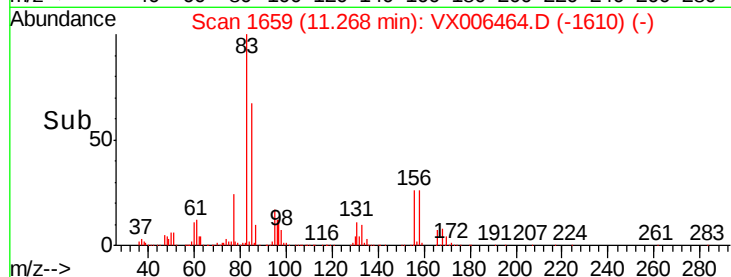
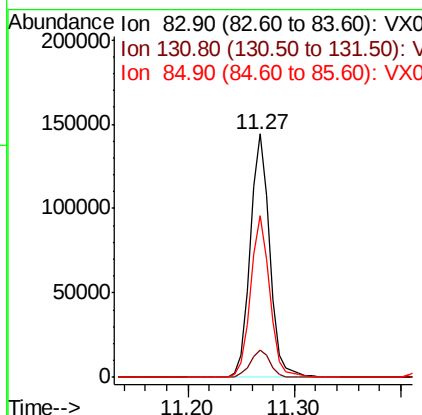
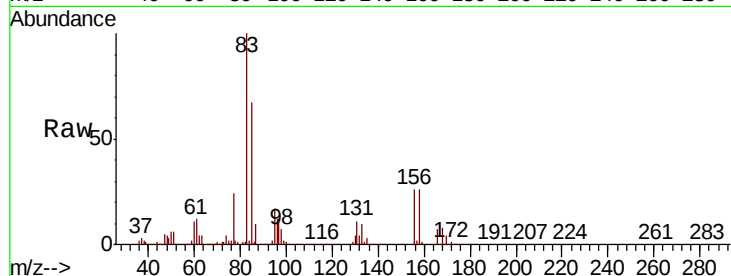
ClientSampleId :

VX1212WBSD02

Tot Ion:	83	Resp:	184869
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.1
85	65.6	32.1	96.5

Manual Integrations
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12/13/2018 11:05:40 AM



#76

1,2,3-Trichloropropane

Concen: 22.017 ug/l m

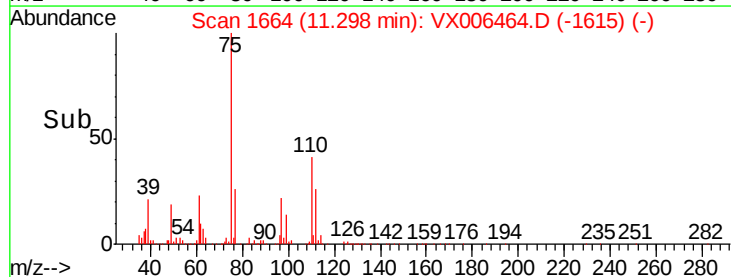
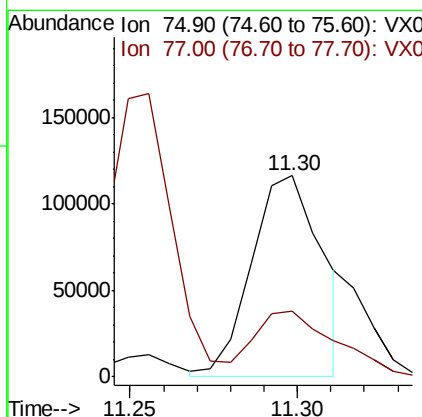
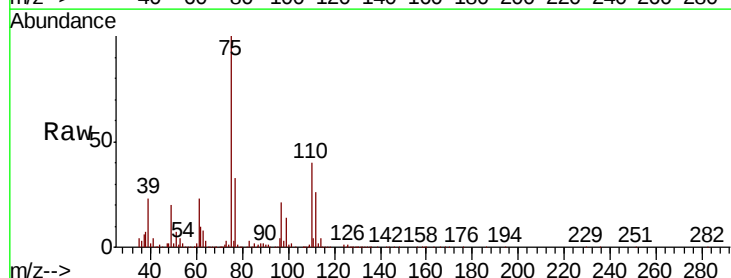
RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	75	Resp:	169556
Ion Ratio	Lower	Upper	
75	100		
77	37.7	19.9	59.7





#77

Bromobenzene

Concen: 20.947 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion:156 Resp: 160173

Ion Ratio Lower Upper

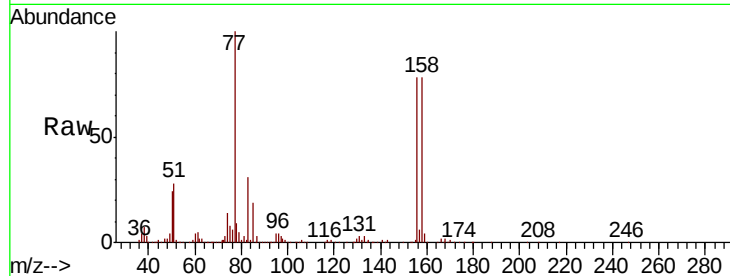
156 100

77 137.6 66.2 198.6

158 100.1 48.8 146.4

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

200000

150000

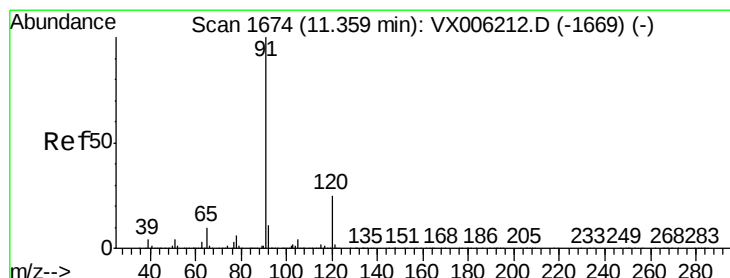
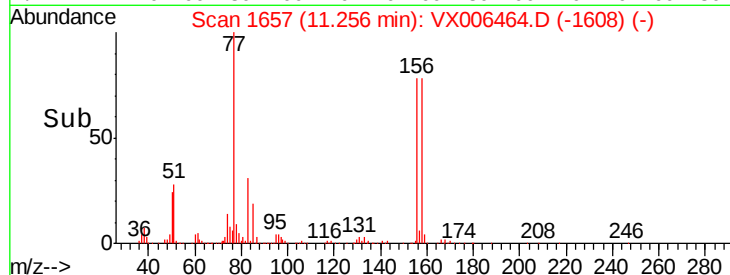
100000

50000

0

11.20 11.30

Time-->



#78

n-propylbenzene

Concen: 21.229 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006464.D

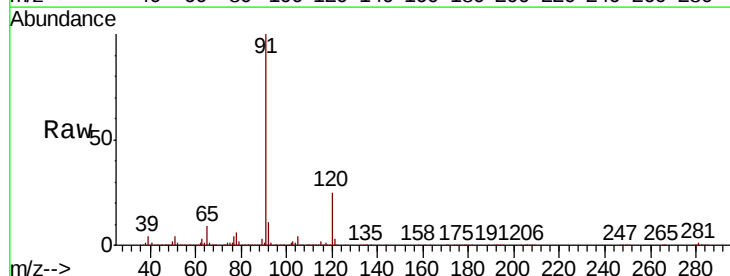
Acq: 13 Dec 2018 00:39

Tgt Ion: 91 Resp: 650205

Ion Ratio Lower Upper

91 100

120 25.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

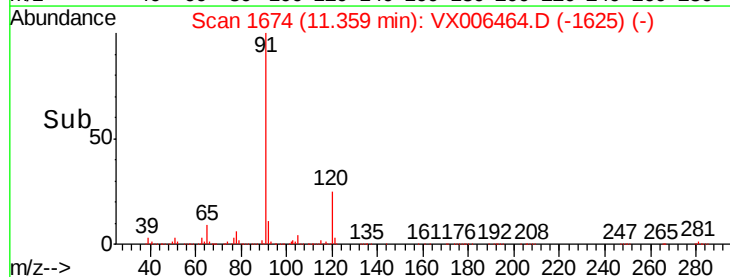
200000

100000

0

11.30 11.35 11.40

Time-->





#79

2-Chlorotoluene

Concen: 21.993 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion: 91 Resp: 400368

Ion Ratio Lower Upper

91 100

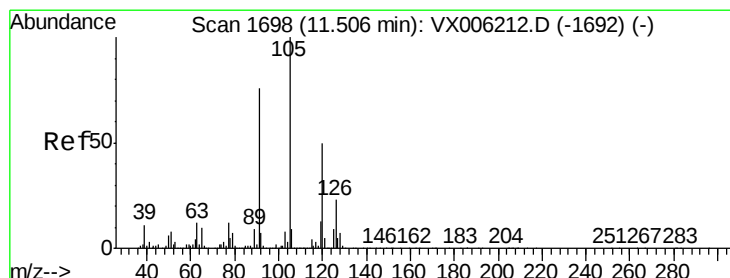
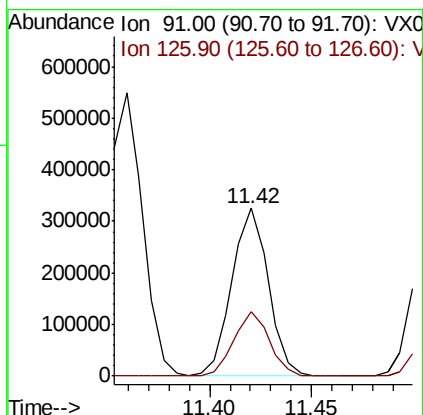
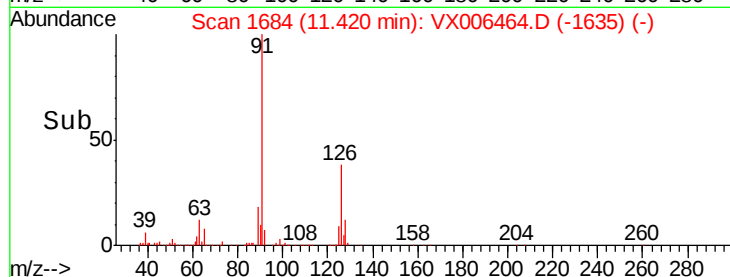
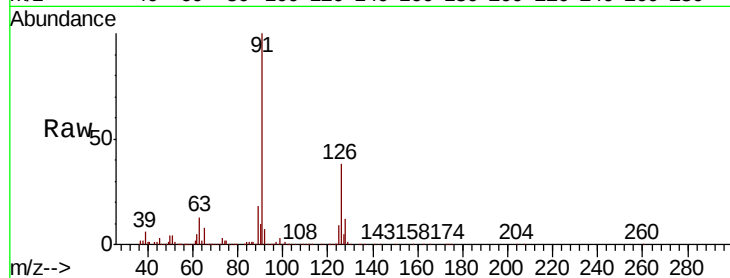
126 37.7 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 21.851 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006464.D

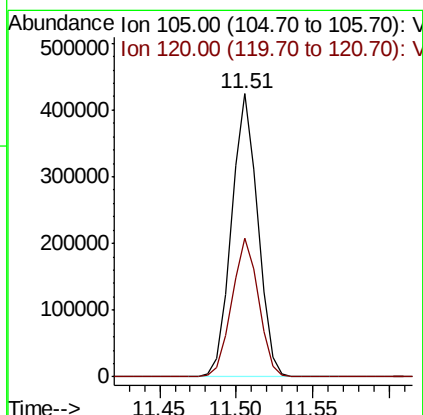
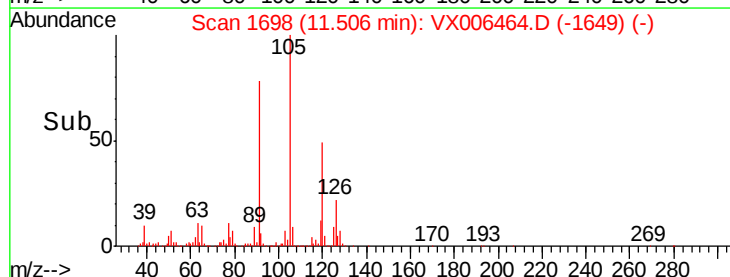
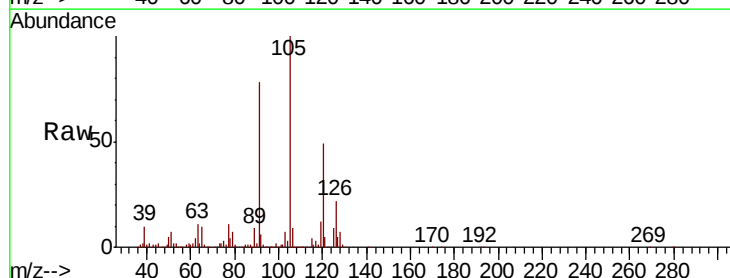
Acq: 13 Dec 2018 00:39

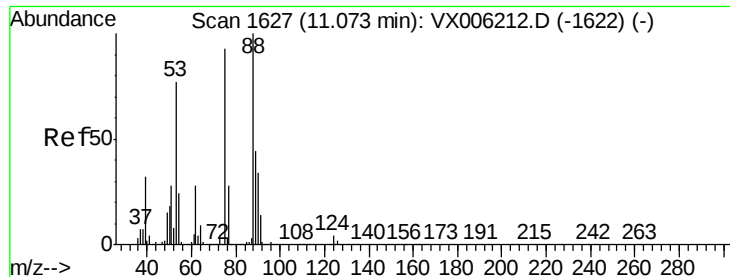
Tgt Ion: 105 Resp: 500945

Ion Ratio Lower Upper

105 100

120 49.9 25.4 76.0





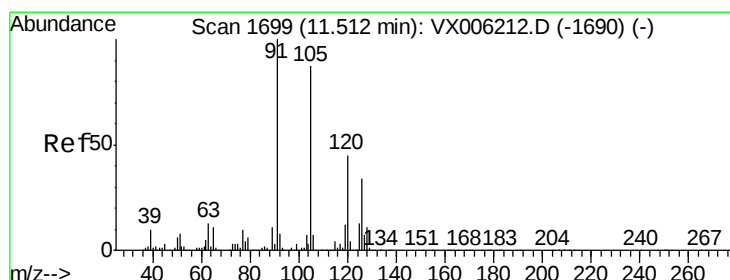
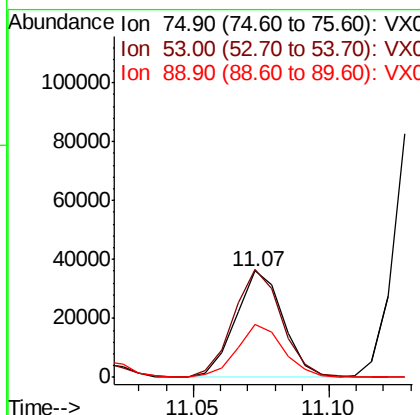
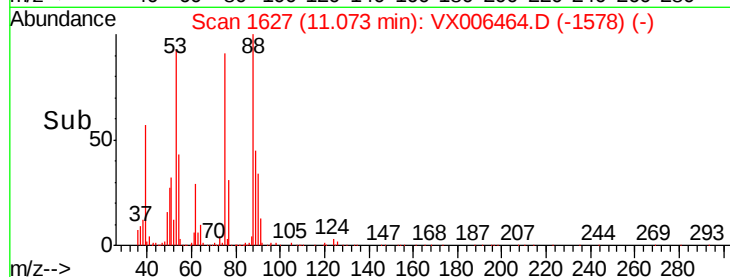
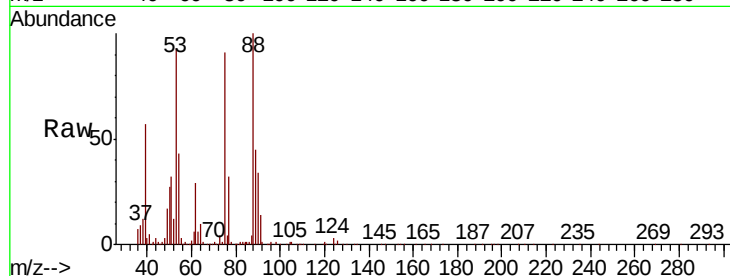
#81
trans-1,4-Dichloro-2-butene
Concen: 13.159 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	64.4	96.6#
89	48.6	44.2	66.4

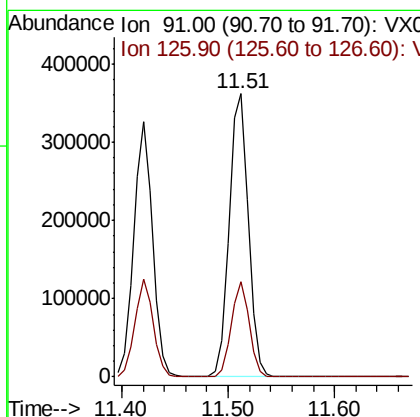
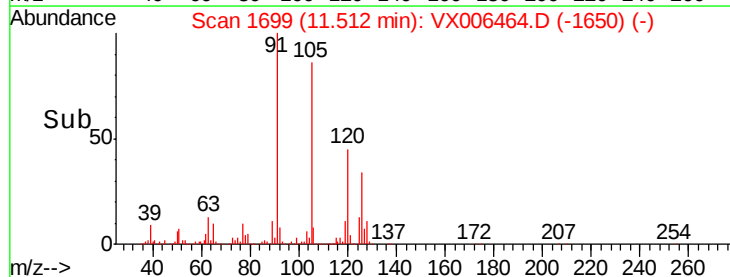
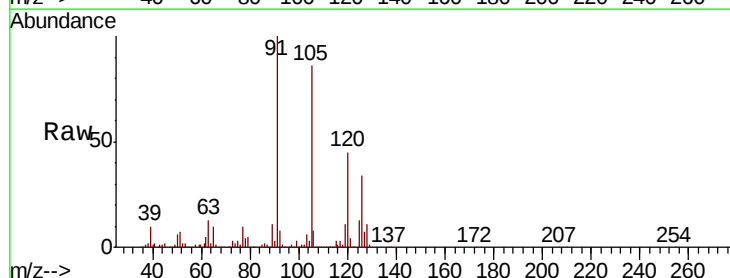
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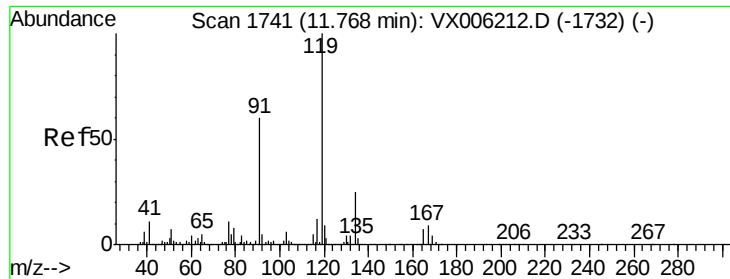
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.605 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.4





#83

tert-Butylbenzene

Concen: 21.047 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

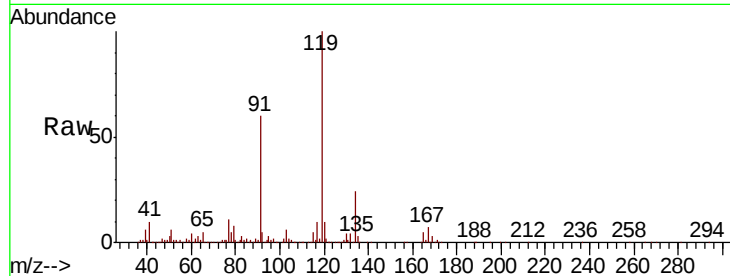
ClientSampleId :

VX1212WBSD02

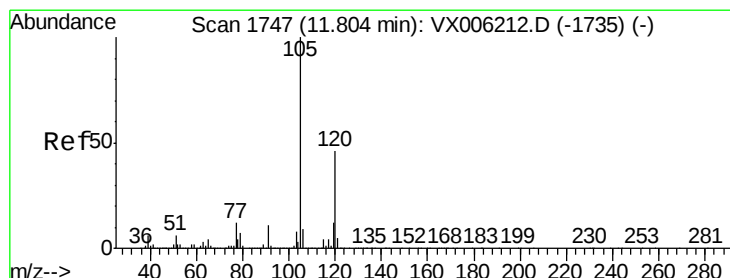
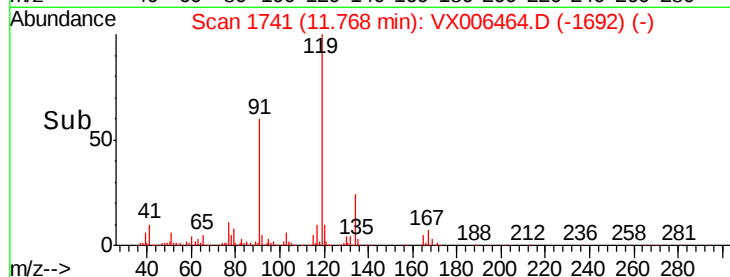
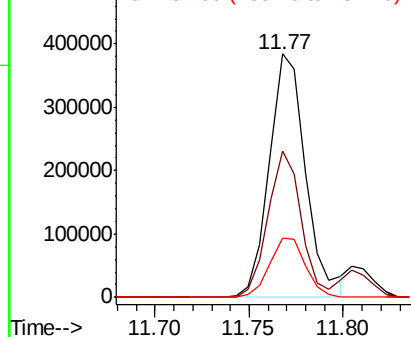
Tot Ion:	119	Resp:	514824
Ion Ratio	Lower	Upper	
119	100		
91	54.8	26.4	79.2
134	23.7	11.6	34.7

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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



#84

1,2,4-Trimethylbenzene

Concen: 21.456 ug/l

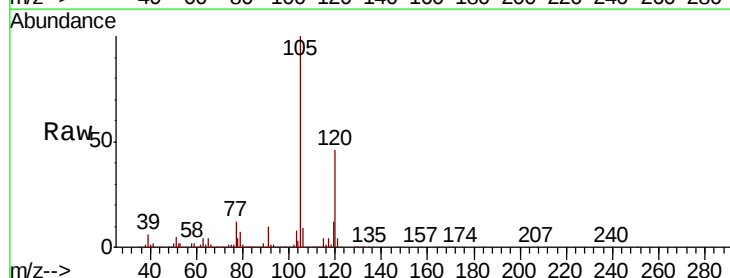
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

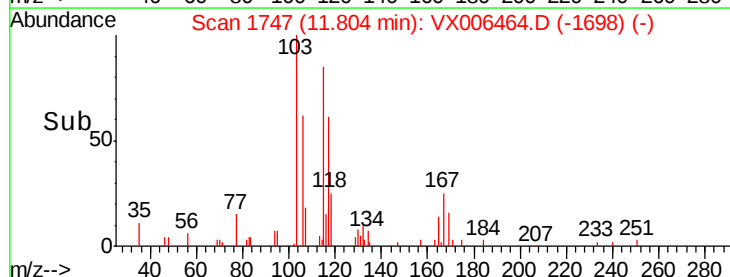
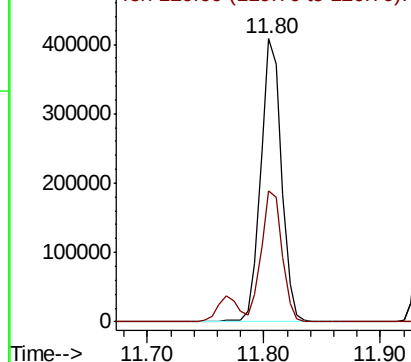
Lab File: VX006464.D

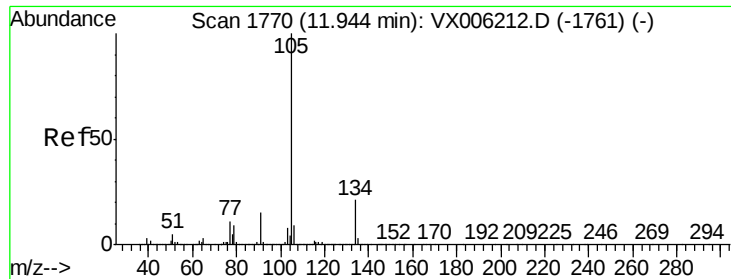
Acq: 13 Dec 2018 00:39

Tgt Ion:	105	Resp:	507915
Ion Ratio	Lower	Upper	
105	100		
120	46.2	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: 21.425 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBSD02

Tot Ion:105 Resp: 596187

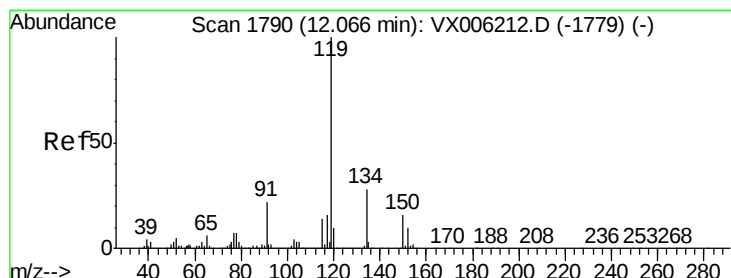
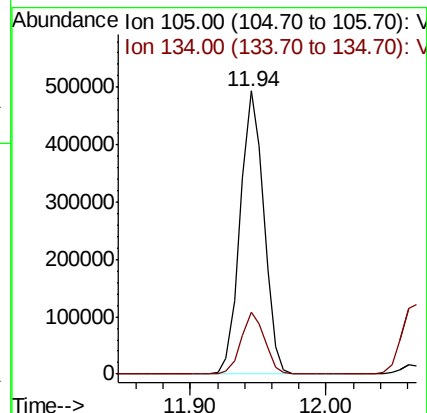
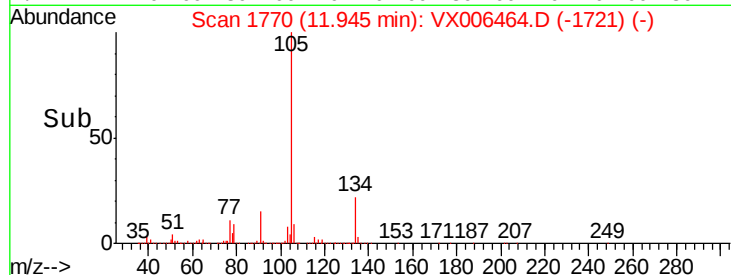
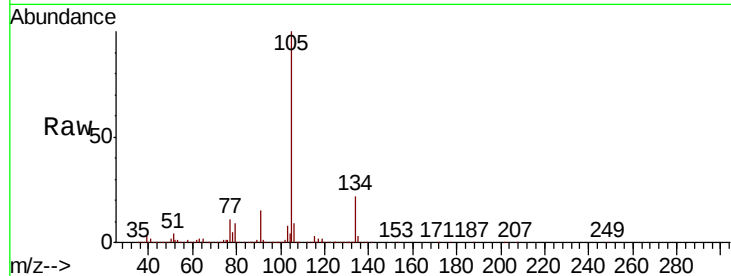
Ion Ratio Lower Upper

105 100

134 21.7 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 21.475 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

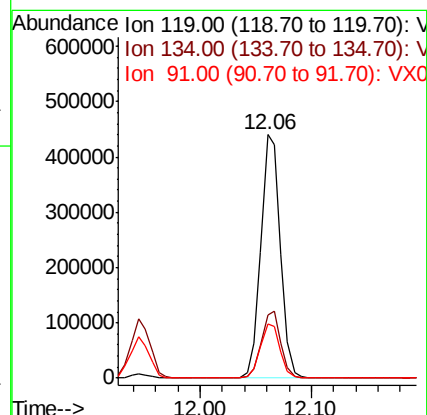
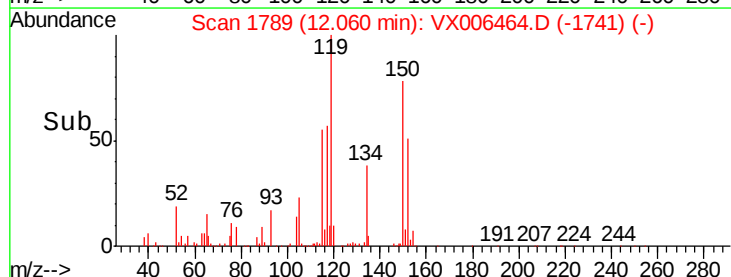
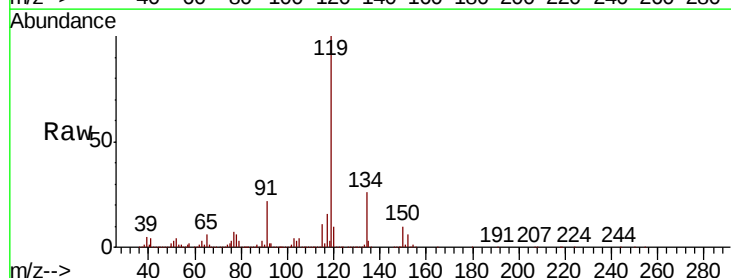
Tgt Ion:119 Resp: 538106

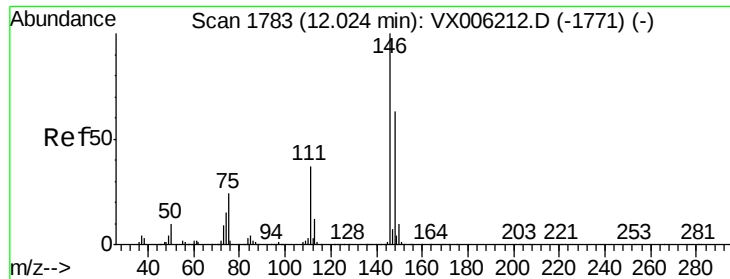
Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

91 22.4 11.3 33.8





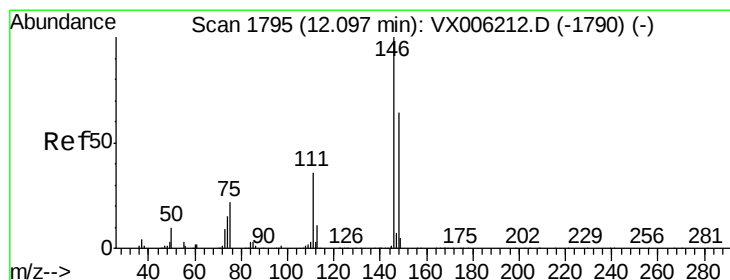
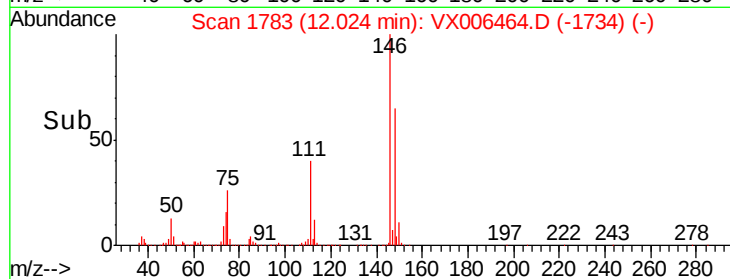
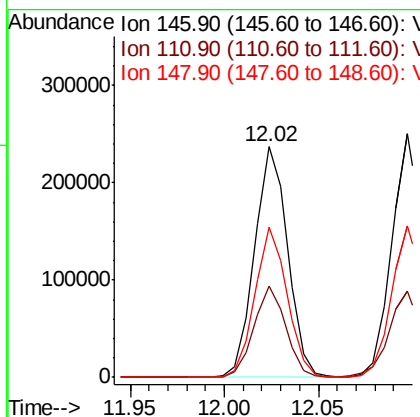
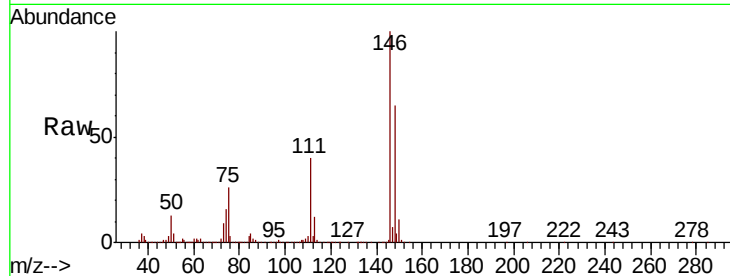
#87
 1,3-Dichlorobenzene
 Concen: 21.204 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.4	55.2
148	63.6	32.0	96.0

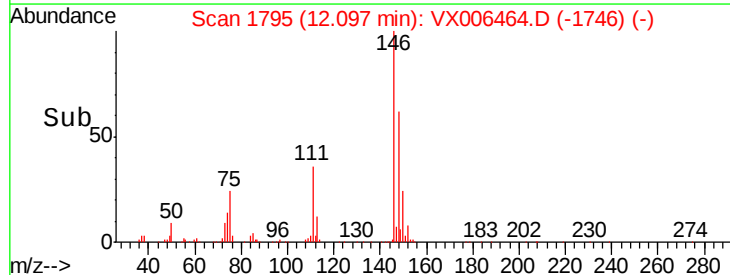
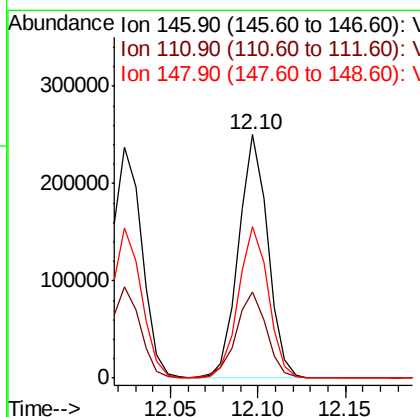
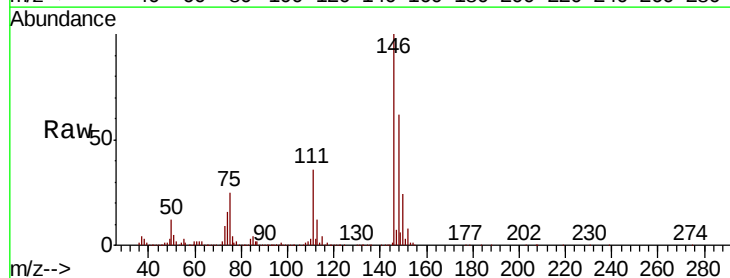
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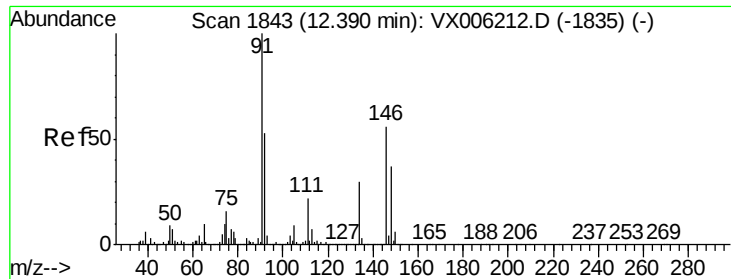
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#88
 1,4-Dichlorobenzene
 Concen: 21.020 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.3	54.8
148	64.0	31.9	95.9





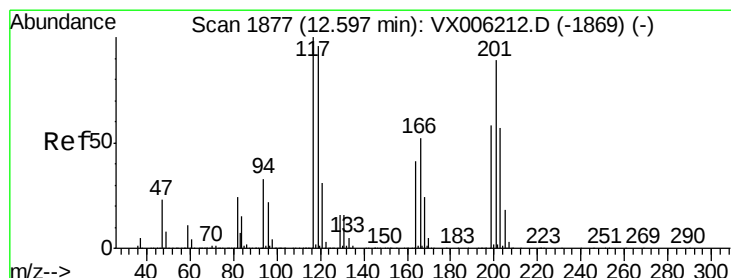
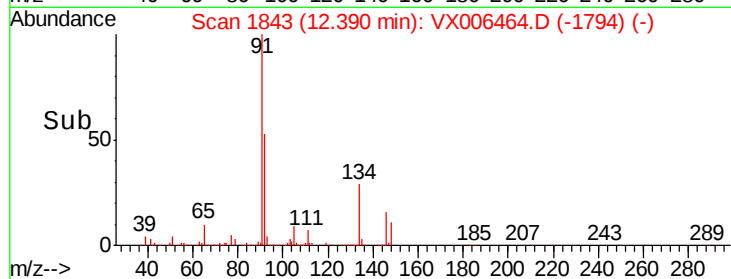
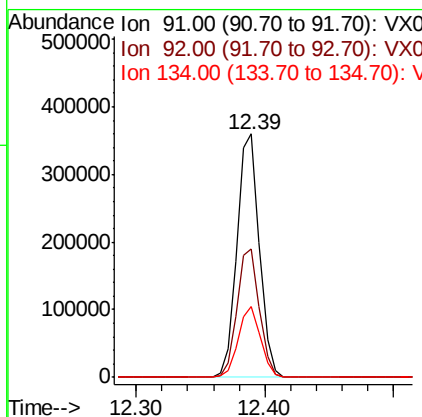
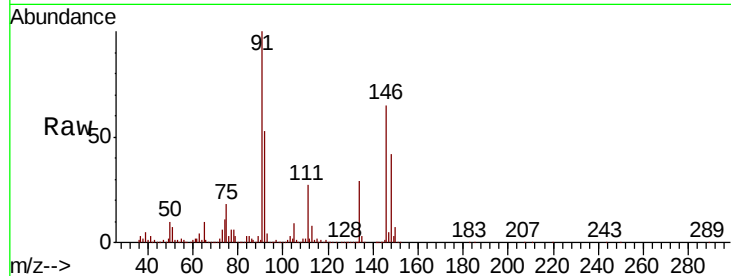
#89
n-Butylbenzene
Concen: 20.363 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.6	79.8
134	28.9	14.8	44.3

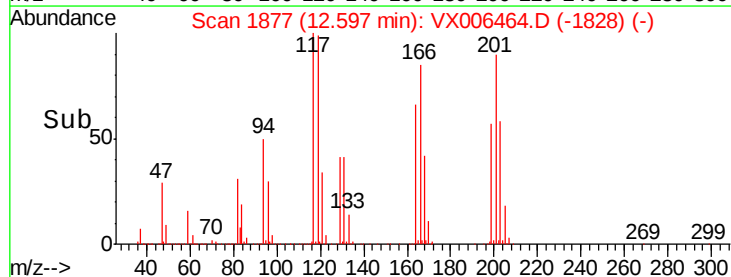
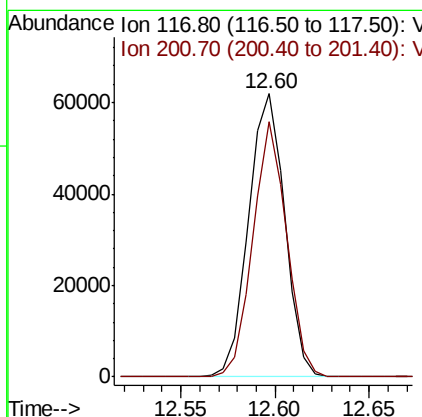
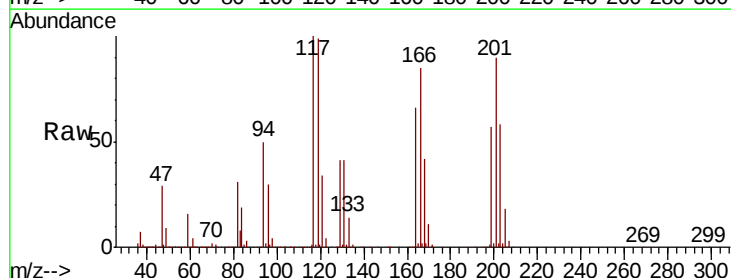
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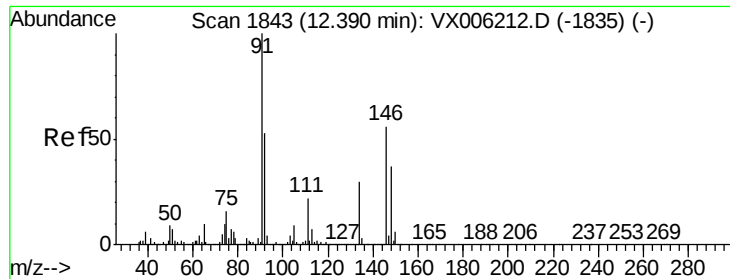
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#90
Hexachloroethane
Concen: 16.116 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006464.D
Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	44.7	134.1





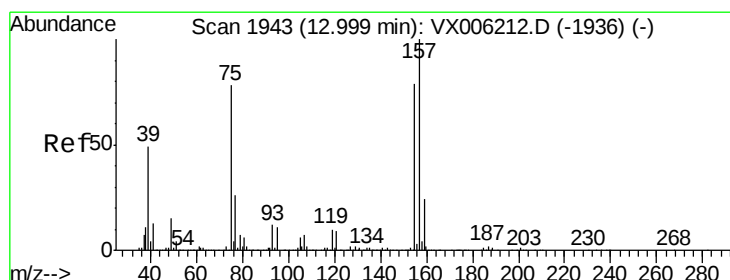
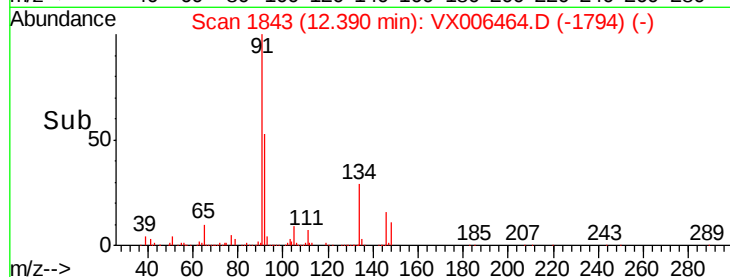
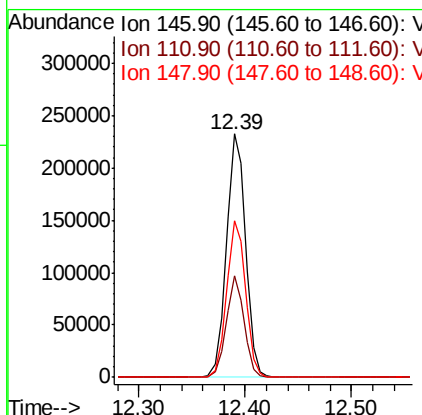
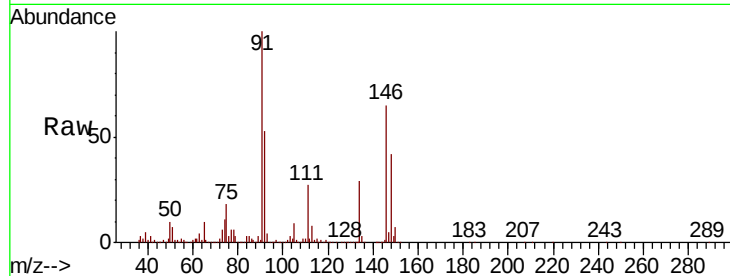
#91
 1,2-Dichlorobenzene
 Concen: 21.664 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	292546		
111	38.9	19.1	57.3	
148	63.8	32.1	96.3	

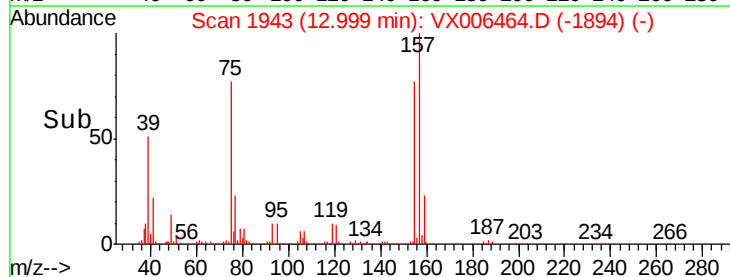
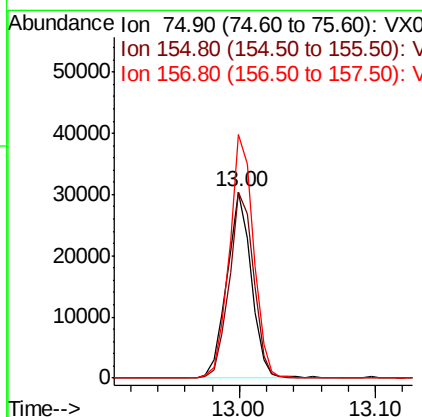
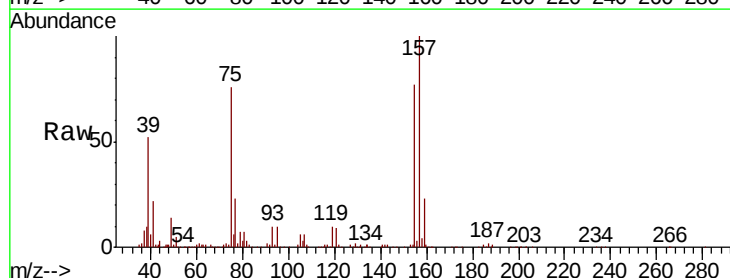
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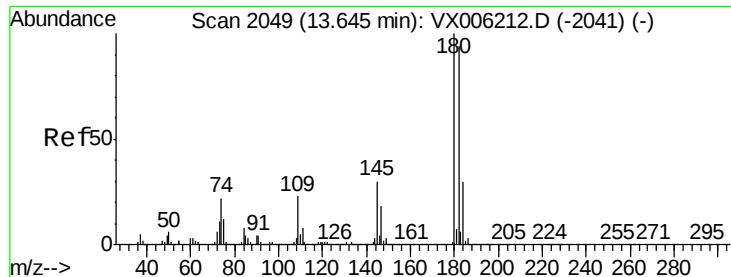
MMDadoda
 12/13/2018 11:05:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.750 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37849		
155	99.9	53.4	160.3	
157	129.8	68.0	203.8	





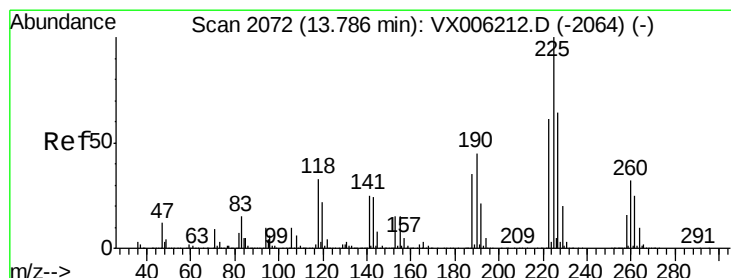
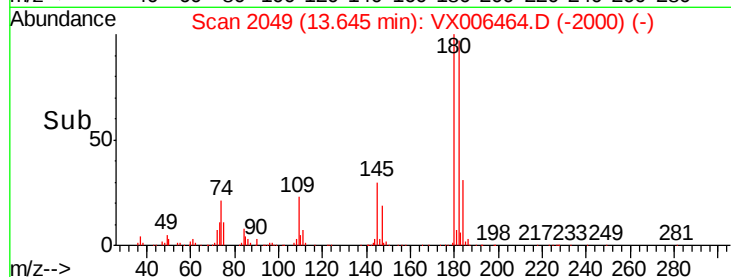
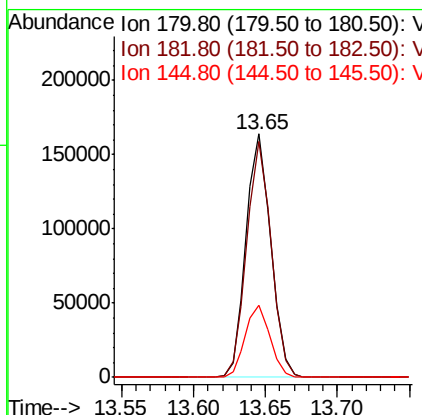
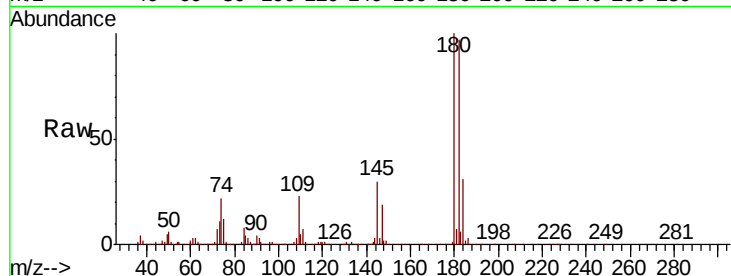
#93
 1,2,4-Trichlorobenzene
 Concen: 19.850 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195559		
182	95.5	47.3	141.9	
145	29.6	14.6	43.8	

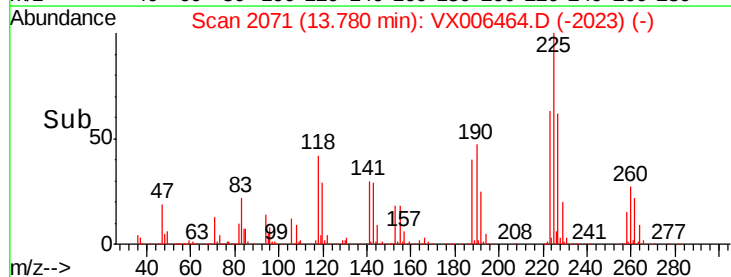
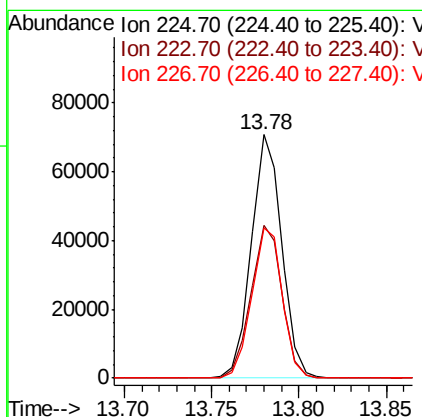
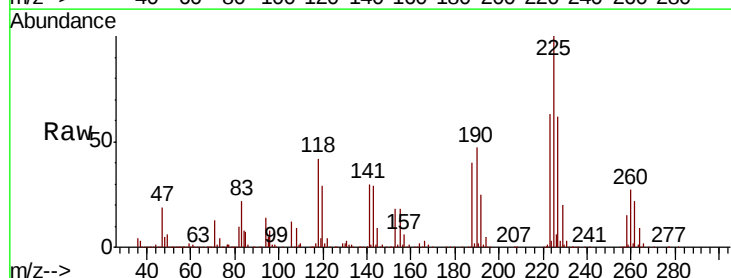
Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 11:05:40 AM



#94
 Hexachlorobutadiene
 Concen: 19.722 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006464.D
 Acq: 13 Dec 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85925		
223	64.1	31.2	93.6	
227	62.0	31.9	95.5	





#95

Naphthalene

Concen: 20.497 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Instrument :

MSVOA_X

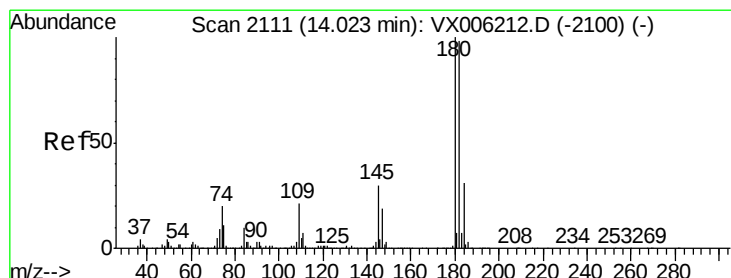
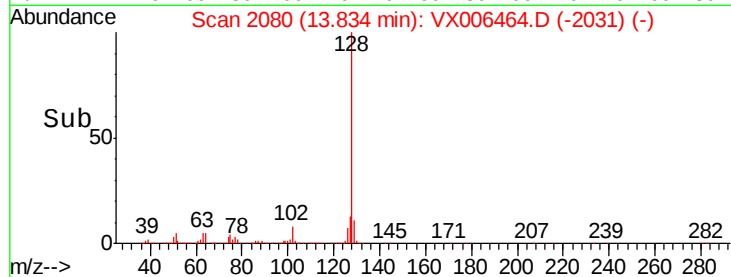
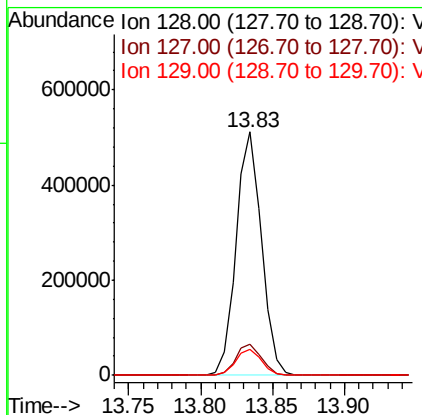
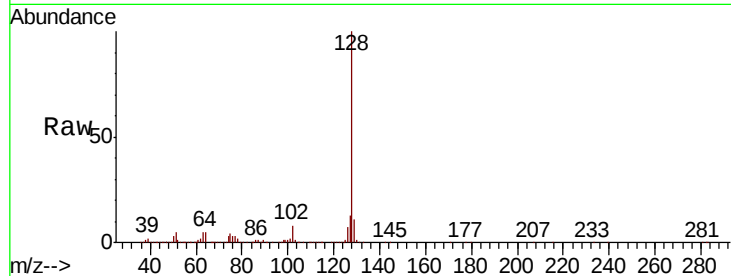
ClientSampleId :

VX1212WBSD02

Tot Ion:	128	Resp:	628138
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/13/2018 11:05:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.201 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006464.D

Acq: 13 Dec 2018 00:39

Tgt Ion:	180	Resp:	197114
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.4	145.2
145	32.3	15.6	46.8

