

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122018\
 Data File : VX006674.D
 Acq On : 20 Dec 2018 14:27
 Operator : JC/MD
 Sample : VX1220WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:18:59 AM

Quant Time: Dec 21 04:10:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	555304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	870213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	808527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	423698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	315056	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	5.50	113	273615	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	8.71	98	1061306	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	11.13	95	398249	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	91507	18.013	ug/l	99
3) Chloromethane	1.33	50	104691	19.129	ug/l	97
4) Vinyl Chloride	1.41	62	112608	19.700	ug/l	97
5) Bromomethane	1.64	94	78502	13.310	ug/l	99
6) Chloroethane	1.72	64	74099	18.722	ug/l	96
7) Trichlorofluoromethane	1.93	101	177181	19.882	ug/l	95
8) Diethyl Ether	2.19	74	69494	19.633	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	99037	18.927	ug/l	100
10) Methyl Iodide	2.51	142	73128	9.763	ug/l	99
11) Tert butyl alcohol	3.07	59	144280	108.022	ug/l	98
12) 1,1-Dichloroethene	2.38	96	98483	19.850	ug/l	99
13) Acrolein	2.29	56	70635	78.393	ug/l	98
14) Allyl chloride	2.73	41	161695	19.362	ug/l	98
15) Acrylonitrile	3.15	53	311997	105.207	ug/l	100
16) Acetone	2.45	43	262571	95.494	ug/l	98
17) Carbon Disulfide	2.57	76	219559	16.722	ug/l	99
18) Methyl Acetate	2.78	43	174585	21.593	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	341582	20.743	ug/l	96
20) Methylene Chloride	2.85	84	113957	20.043	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	105343	19.163	ug/l	100
22) Diisopropyl ether	3.87	45	316694	20.728	ug/l	95
23) Vinyl Acetate	3.82	43	1245754	99.683	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180309	19.770	ug/l	99
25) 2-Butanone	4.70	43	391022	101.100	ug/l	99
26) 2,2-Dichloropropane	4.59	77	116115	16.481	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	122773	20.242	ug/l	98
28) Bromochloromethane	5.01	49	78539	19.290	ug/l	96
29) Tetrahydrofuran	5.15	42	262821	103.173	ug/l	99
30) Chloroform	5.21	83	190956	20.218	ug/l	97
31) Cyclohexane	5.58	56	157461	19.004	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	152658	19.142	ug/l	97
36) 1,1-Dichloropropene	5.80	75	139143	19.306	ug/l	99
37) Ethyl Acetate	4.85	43	146620	19.545	ug/l	100
38) Carbon Tetrachloride	5.78	117	128183	18.300	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	168128	17.719	ug/l	98
40) Benzene	6.14	78	437642	19.976	ug/l	98
41) Methacrylonitrile	5.06	41	84443	21.202	ug/l	97
42) 1,2-Dichloroethane	6.20	62	148349	19.872	ug/l	98
43) Isopropyl Acetate	6.46	43	225403	19.748	ug/l	99
44) Trichloroethene	7.21	130	125332	18.901	ug/l	94
45) 1,2-Dichloropropane	7.52	63	106652	20.005	ug/l	99
46) Dibromomethane	7.66	93	76351	19.470	ug/l	96
47) Bromodichloromethane	7.90	83	118937	18.268	ug/l	99
48) Methyl methacrylate	7.77	41	121178	20.877	ug/l	99
49) 1,4-Dioxane	7.76	88	66502	426.495	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	780097	107.416	ug/l	99
52) Toluene	8.78	92	284074	20.071	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	121902	17.458	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	144451	18.854	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118850	20.515	ug/l	98
56) Ethyl methacrylate	9.18	69	166000	20.273	ug/l	98
57) 1,3-Dichloropropane	9.37	76	189228	20.302	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	451135	103.650	ug/l	99
59) 2-Hexanone	9.49	43	598949	107.791	ug/l	99
60) Dibromochloromethane	9.59	129	97683	17.696	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125283	20.343	ug/l	100
64) Tetrachloroethene	9.34	164	124579	19.458	ug/l	98
65) Chlorobenzene	10.14	112	326894	19.111	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	104525	19.586	ug/l	98
67) Ethyl Benzene	10.25	91	550290	19.688	ug/l	98
68) m/p-Xylenes	10.36	106	439699	39.866	ug/l	99
69) o-Xylene	10.70	106	214234	19.670	ug/l	97
70) Styrene	10.71	104	342647	19.886	ug/l	99
71) Bromoform	10.86	173	68842	17.485	ug/l #	99
73) Isopropylbenzene	11.02	105	572141	19.739	ug/l	99
74) N-amyl acetate	10.90	43	208273	20.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	179152	20.782	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	160747m	20.415	ug/l	
77) Bromobenzene	11.26	156	152131	19.413	ug/l	98
78) n-propylbenzene	11.36	91	631174	19.774	ug/l	99
79) 2-Chlorotoluene	11.42	91	376000	19.438	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	470530	19.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32505	15.732	ug/l #	84
82) 4-Chlorotoluene	11.51	91	433611	19.542	ug/l	100
83) tert-Butylbenzene	11.77	119	476273	19.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	484014	19.274	ug/l	99
85) sec-Butylbenzene	11.94	105	574432	19.608	ug/l	100
86) p-Isopropyltoluene	12.07	119	510488	19.823	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	279025	19.756	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	276999	19.132	ug/l	98
89) n-Butylbenzene	12.38	91	418198	19.081	ug/l	99
90) Hexachloroethane	12.60	117	61220	17.482	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	279247	19.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33313	18.676	ug/l	95

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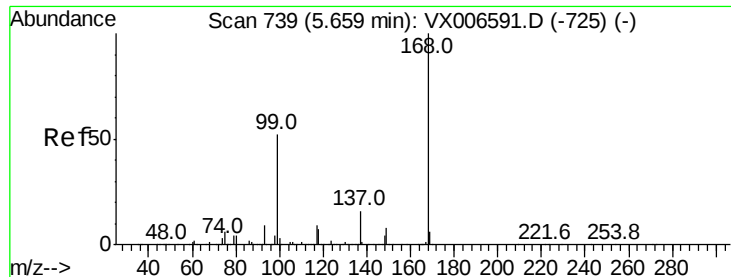
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	186028	19.088	ug/l	99
94) Hexachlorobutadiene	13.78	225	81768	17.801	ug/l	98
95) Naphthalene	13.83	128	608808	19.573	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	189887	18.871	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. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion:168 Resp: 555304

Ion Ratio Lower Upper

168 100

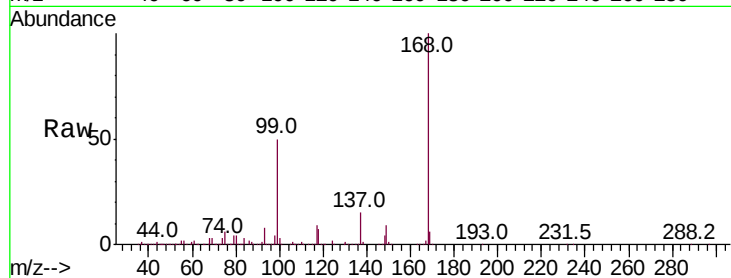
99 49.8 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

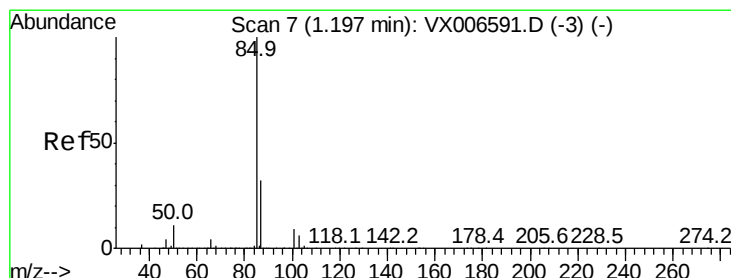
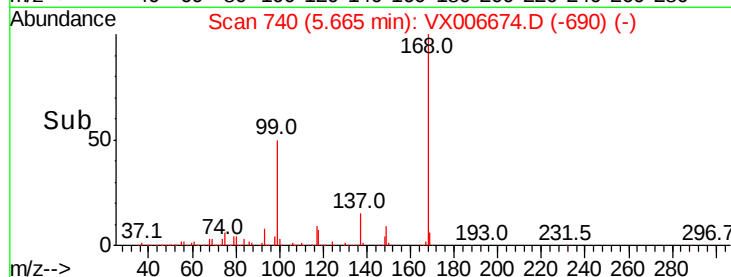
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.013 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006674.D

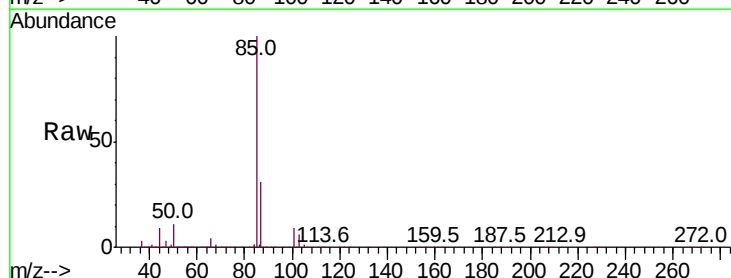
Acq: 20 Dec 2018 14:27

Tgt Ion: 85 Resp: 91507

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

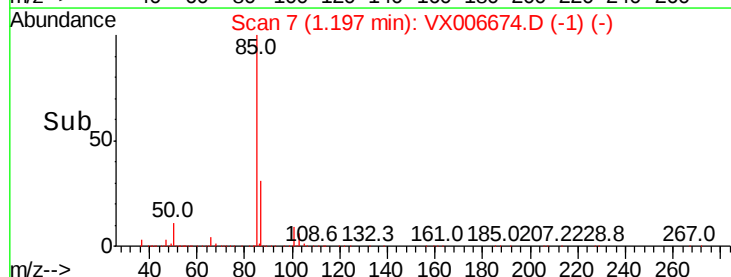
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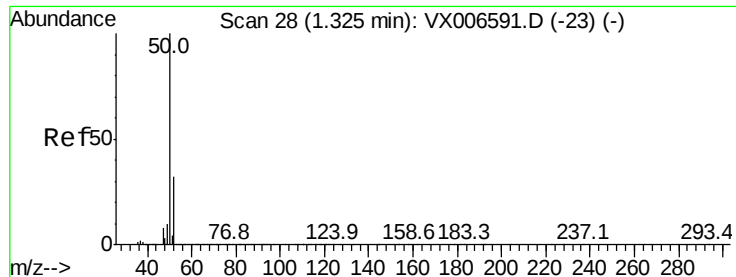
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.129 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 50 Resp: 104691

Ion Ratio Lower Upper

50 100

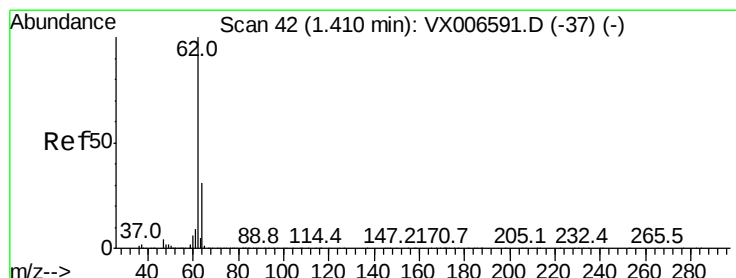
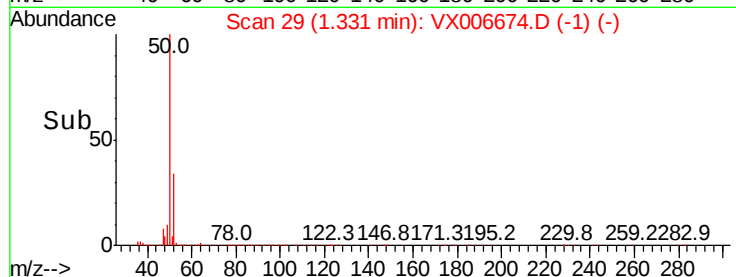
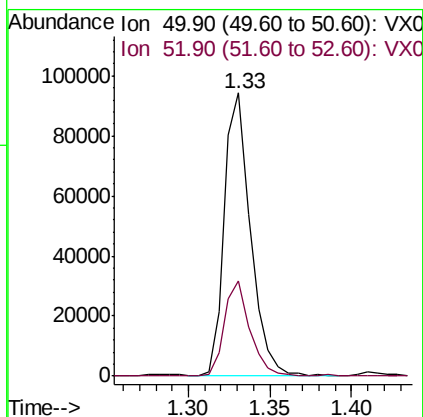
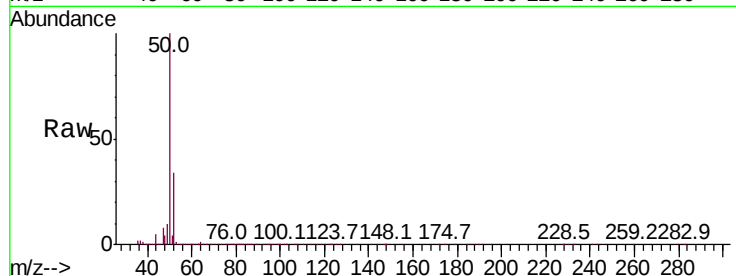
52 33.6 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.700 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006674.D

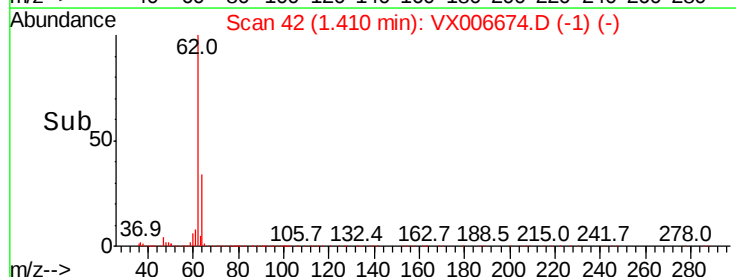
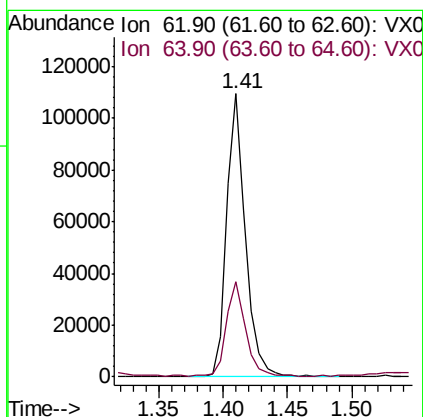
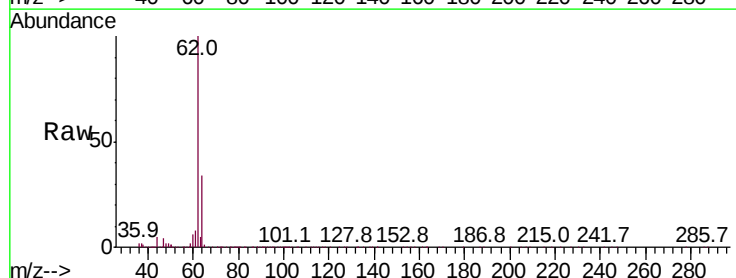
Acq: 20 Dec 2018 14:27

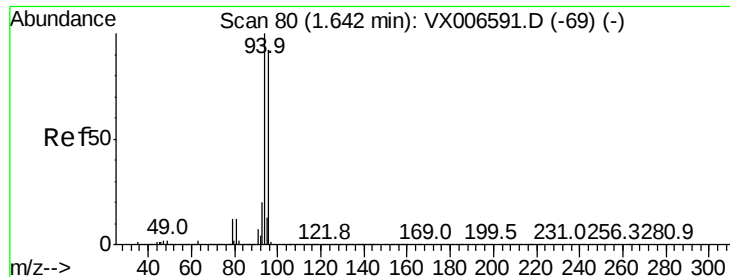
Tgt Ion: 62 Resp: 112608

Ion Ratio Lower Upper

62 100

64 33.2 25.1 37.7





#5

Bromomethane

Concen: 13.310 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 94 Resp: 78502

Ion Ratio Lower Upper

94 100

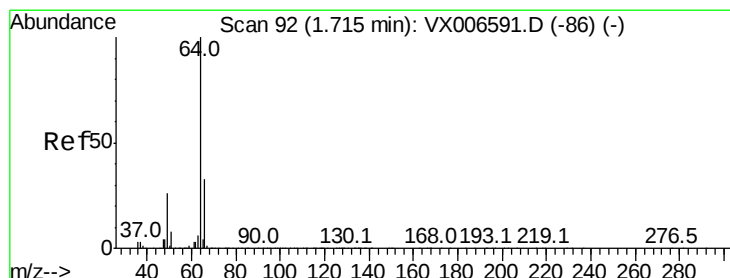
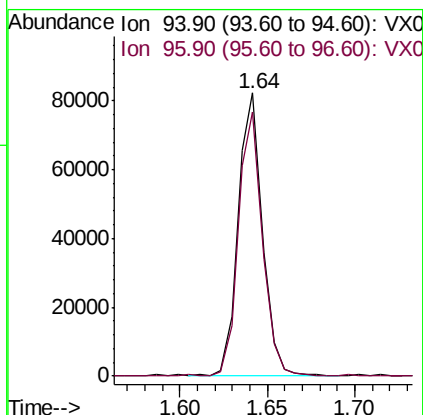
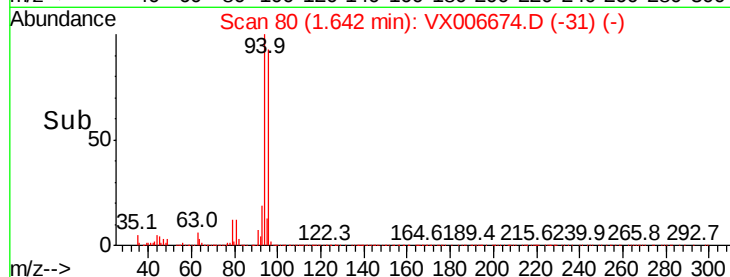
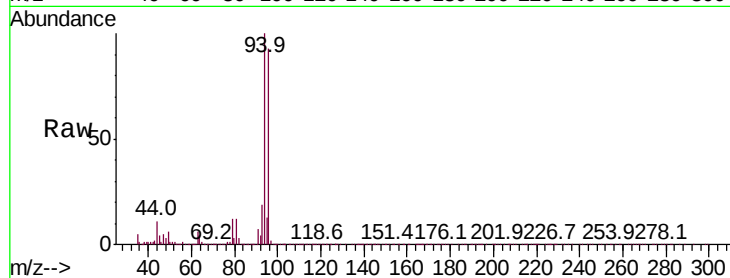
96 93.1 73.4 110.2

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#6

Chloroethane

Concen: 18.722 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006674.D

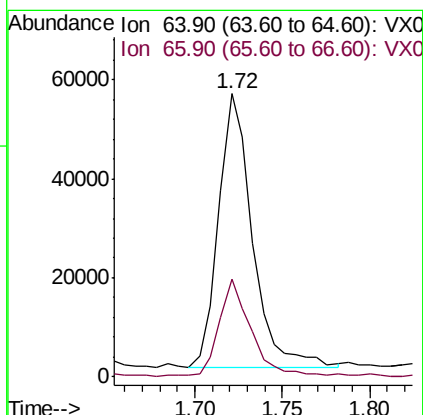
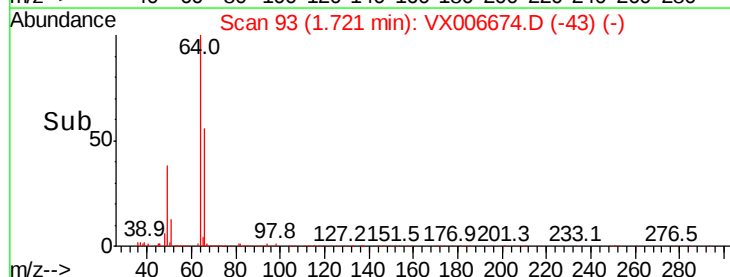
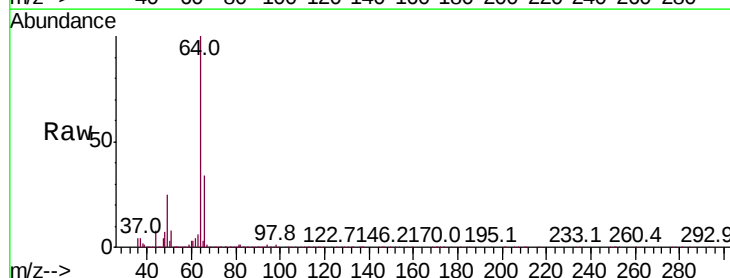
Acq: 20 Dec 2018 14:27

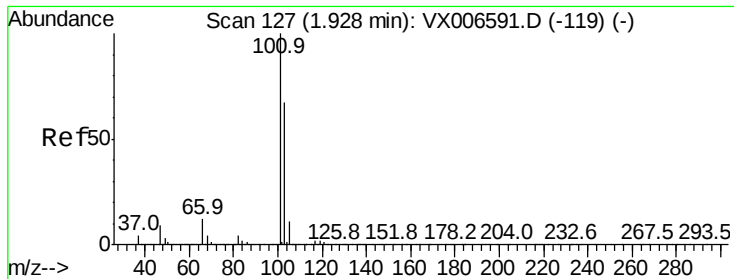
Tgt Ion: 64 Resp: 74099

Ion Ratio Lower Upper

64 100

66 35.1 26.4 39.6





#7

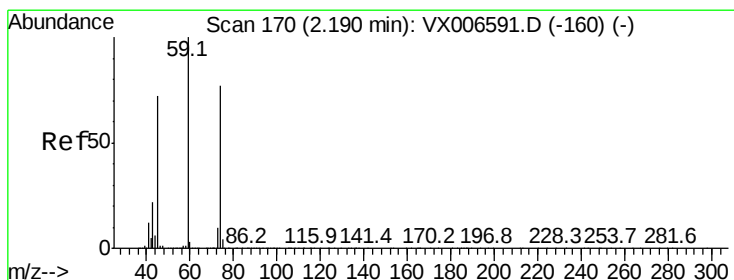
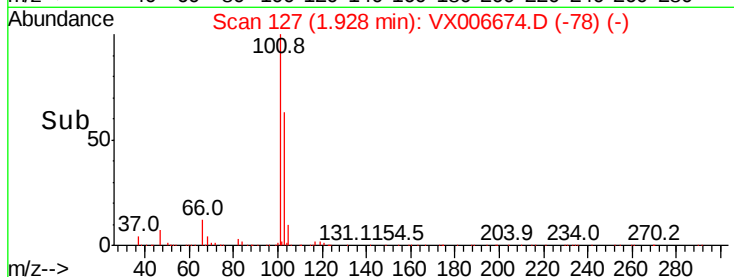
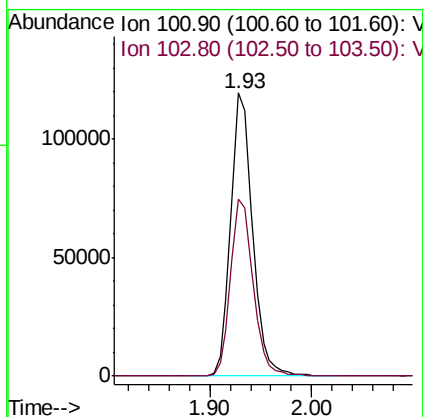
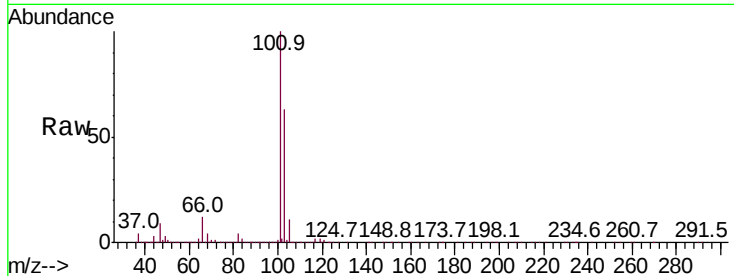
Trichlorofluoromethane
Concen: 19.882 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

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ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	53.2	79.8

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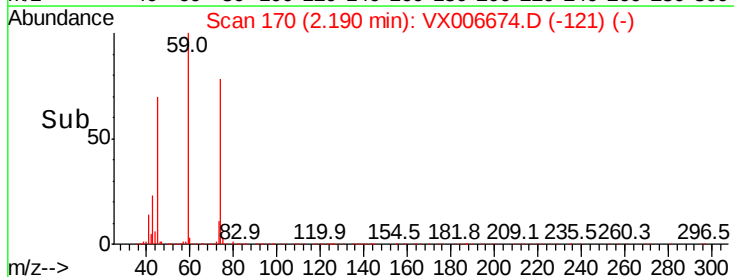
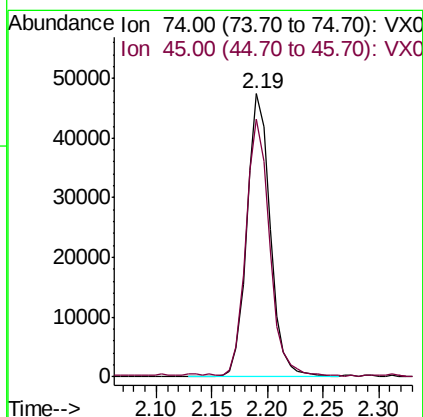
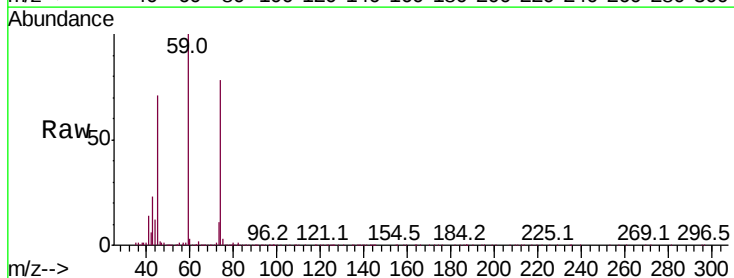
MMDadoda
12/21/2018 10:18:59 AM

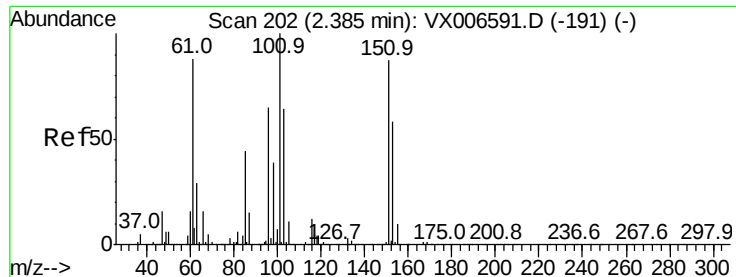


#8

Diethyl Ether
Concen: 19.633 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.927 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

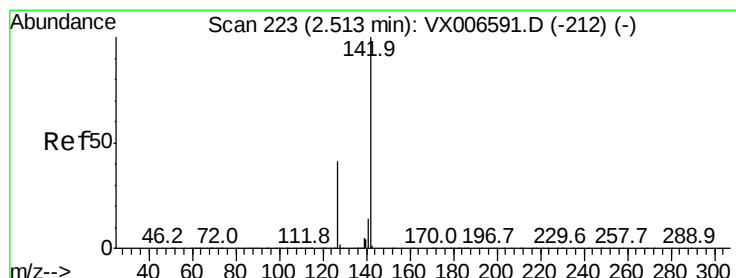
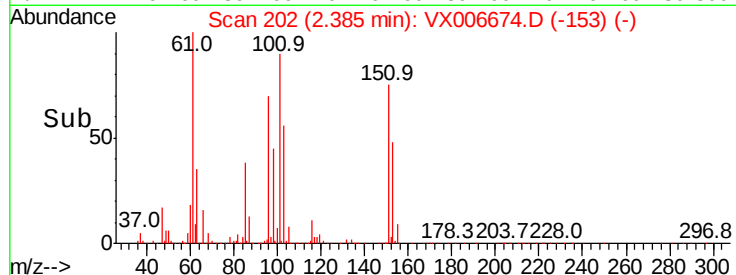
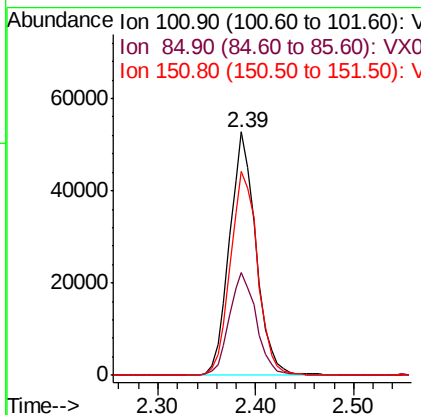
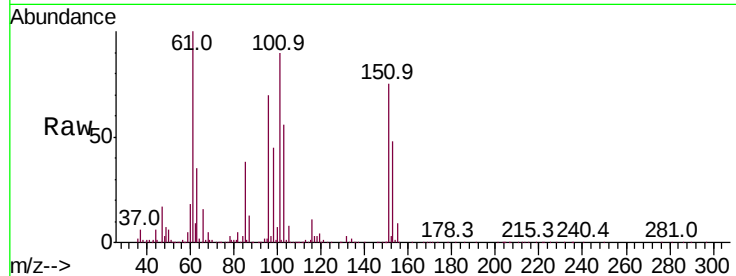
ClientSampleId :

VX1220WBSD01

Tot Ion:	101	Resp:	99037
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.1	52.7
151	86.3	68.9	103.3

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MMDadoda
12/21/2018 10:18:59 AM



#10

Methyl Iodide

Concen: 9.763 ug/l

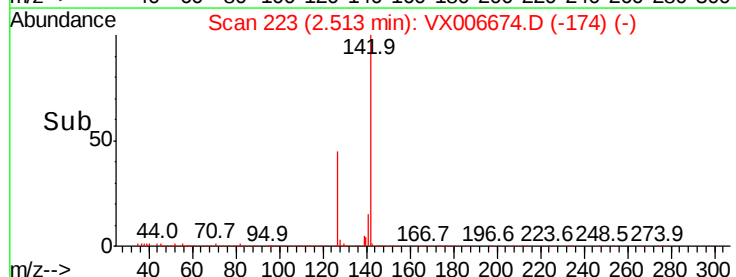
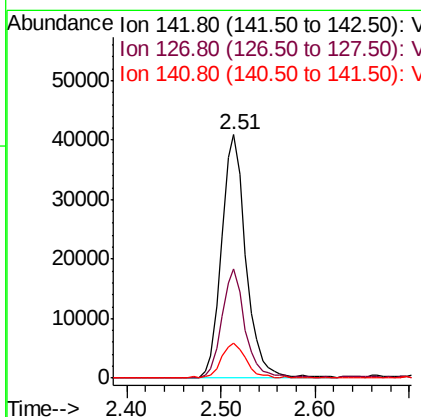
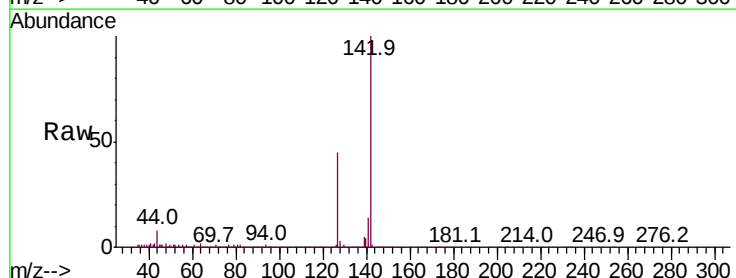
RT: 2.51 min Scan# 223

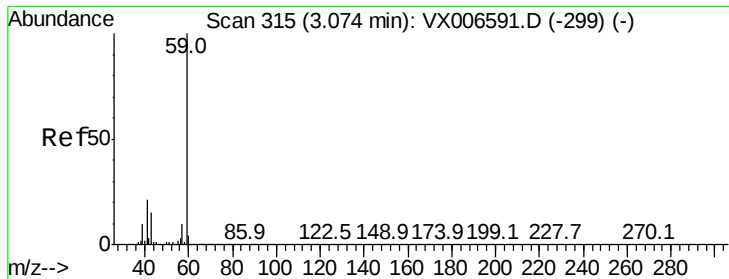
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	142	Resp:	73128
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.9	50.9
141	14.8	11.4	17.0





#11

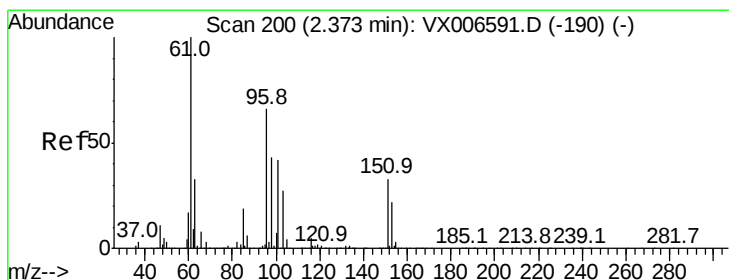
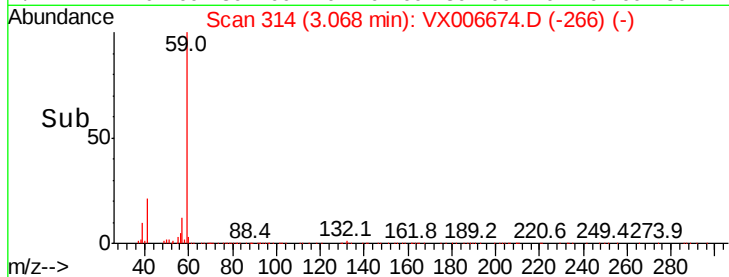
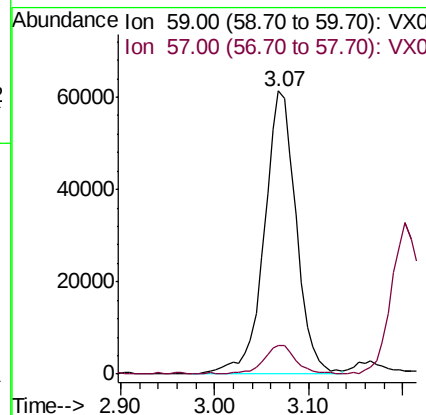
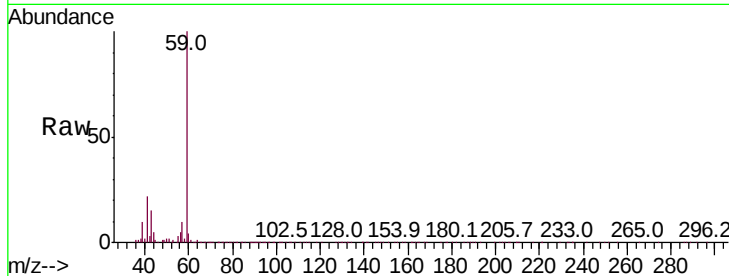
Tert butyl alcohol
 Concen: 108.022 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Tot Ion	59	57	Ratio	100	10.0	Resp	Lower	Upper
144280								
							8.5	12.7

Manual Integrations
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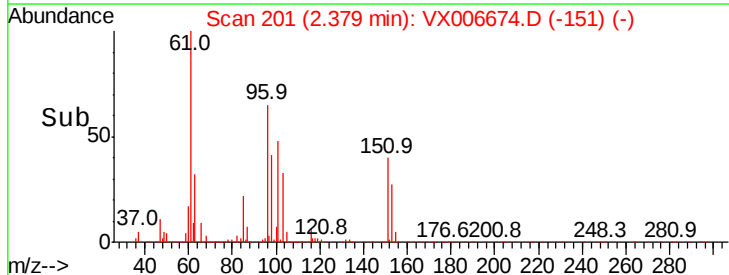
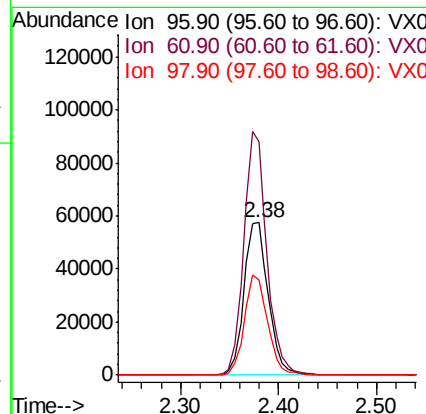
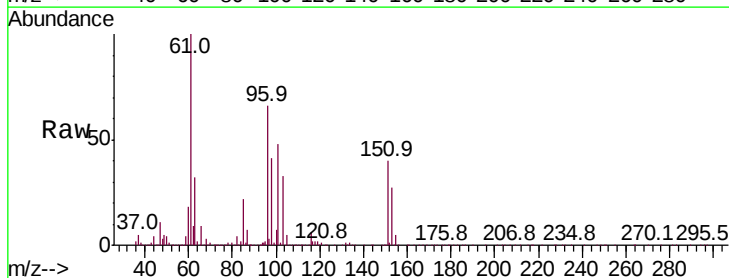
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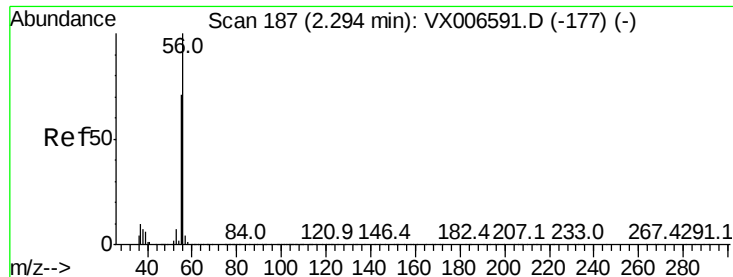


#12

1,1-Dichloroethene
 Concen: 19.850 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion	96	61	98	Ratio	100	152.8	62.6	Resp	Lower	Upper
98483										
									121.4	182.2
									51.9	77.9





#13

Acrolein

Concen: 78.393 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 56 Resp: 70635

Ion Ratio Lower Upper

56 100

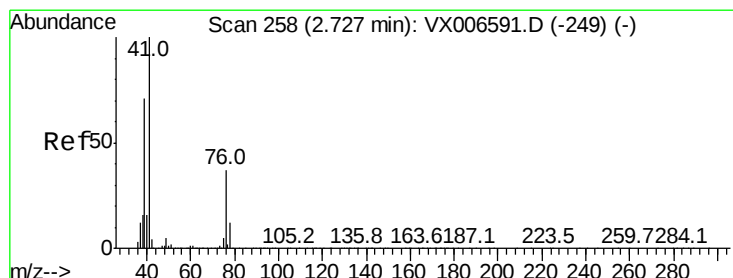
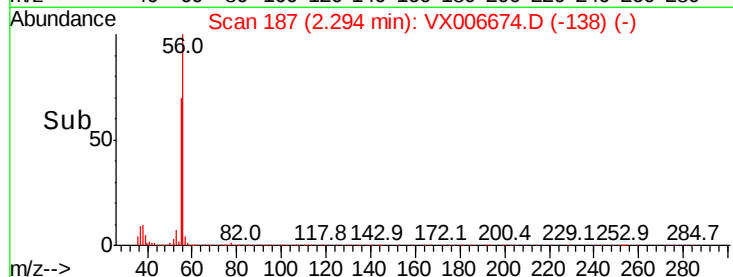
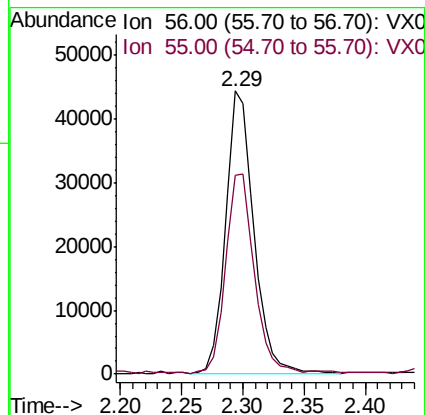
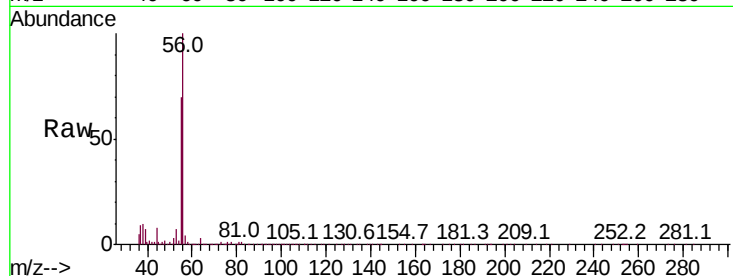
55 71.4 58.2 87.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.362 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

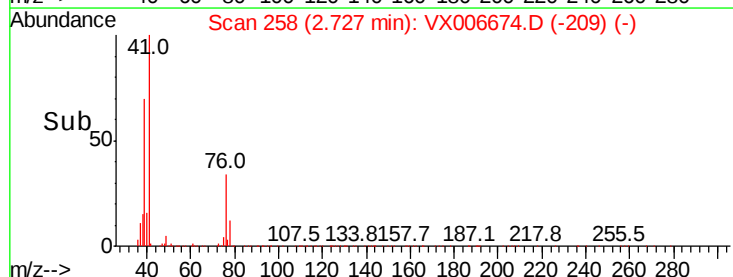
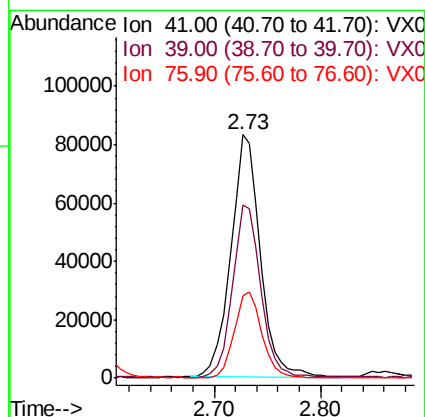
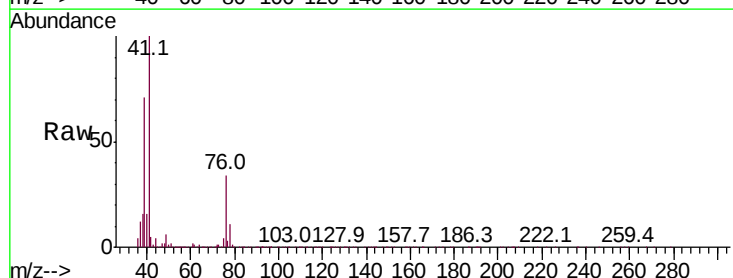
Tgt Ion: 41 Resp: 161695

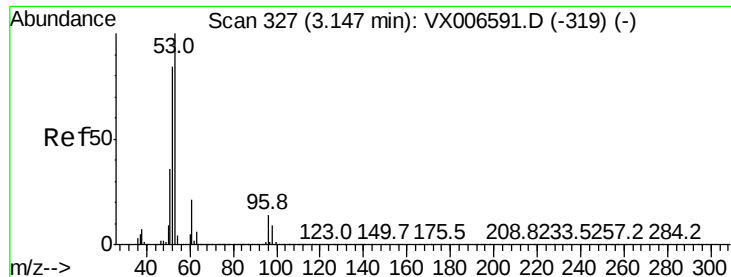
Ion Ratio Lower Upper

41 100

39 67.7 53.6 80.4

76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 105.207 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

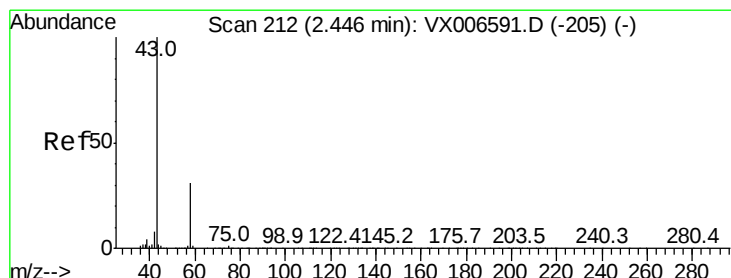
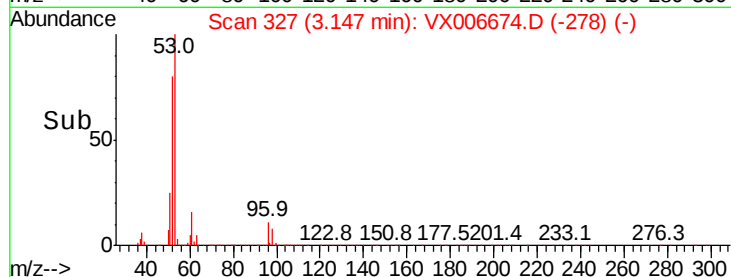
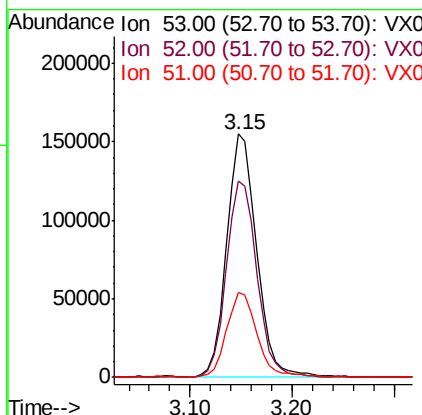
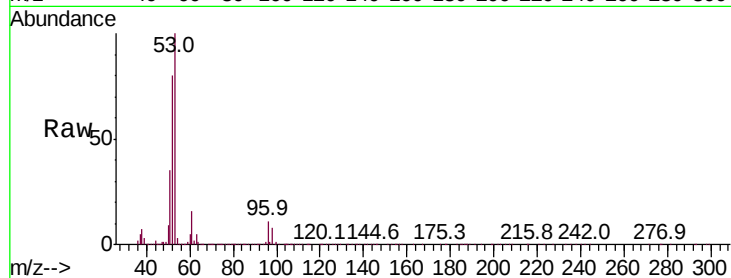
ClientSampleId :

VX1220WBSD01

Tot Ion:	53	Resp:	311997
Ion Ratio		Lower	Upper
53	100		
52	82.4	66.0	99.0
51	35.5	28.6	42.8

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#16

Acetone

Concen: 95.494 ug/l

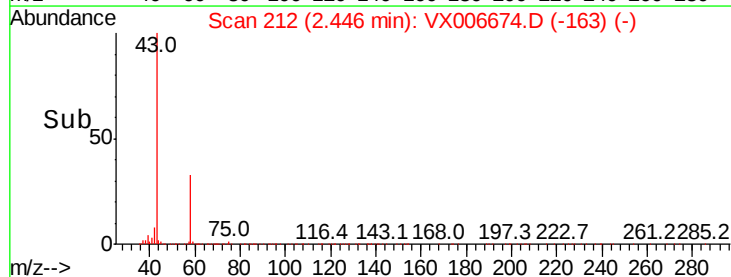
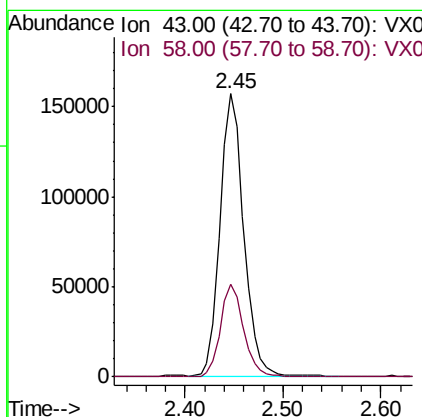
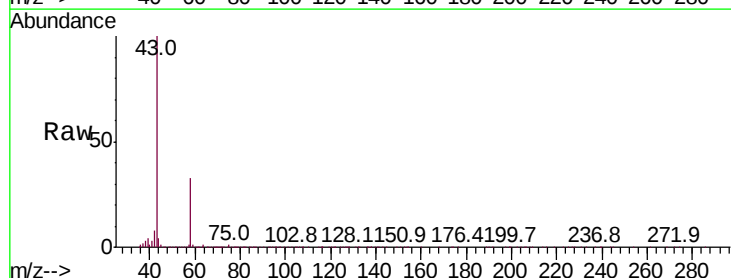
RT: 2.45 min Scan# 212

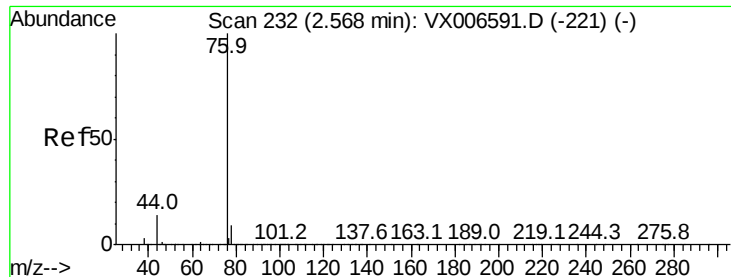
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	43	Resp:	262571
Ion Ratio		Lower	Upper
43	100		
58	32.5	25.0	37.6





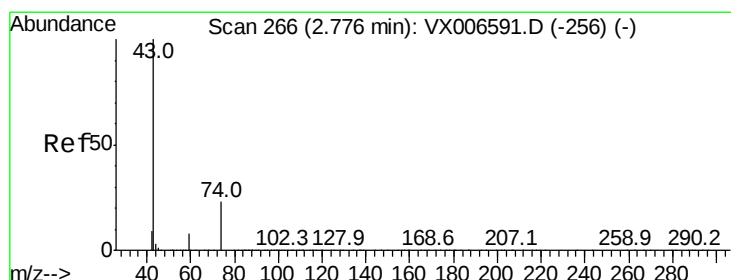
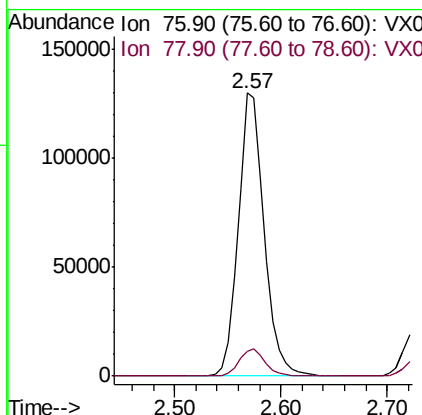
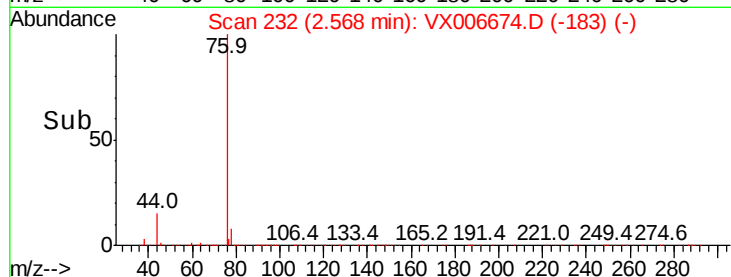
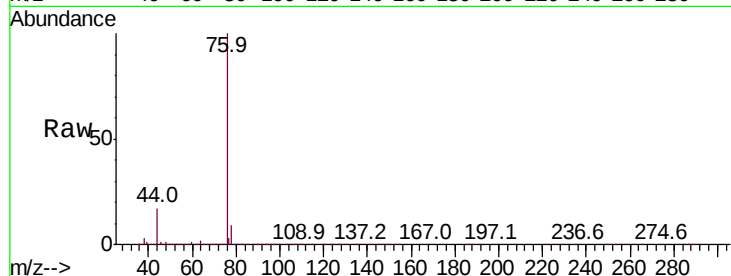
#17
Carbon Disulfide
Concen: 16.722 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

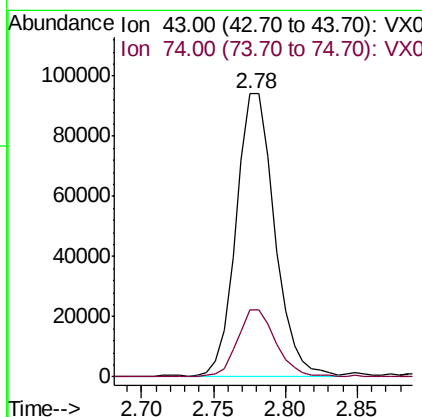
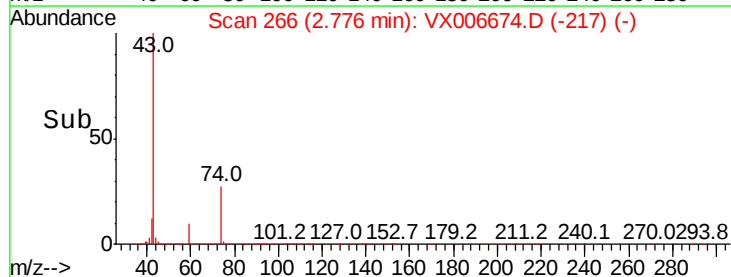
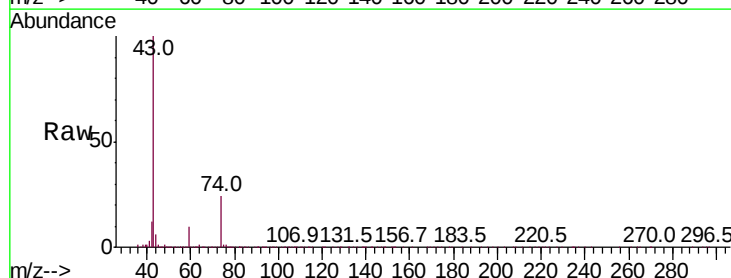
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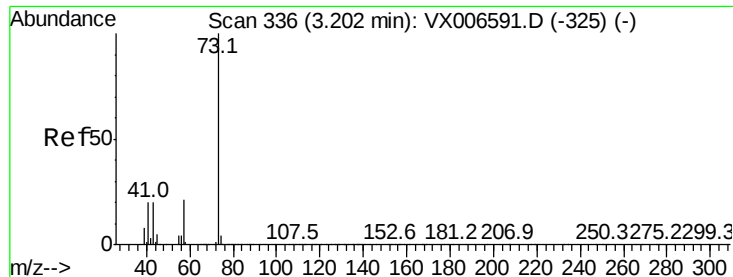
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#18
Methyl Acetate
Concen: 21.593 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.6	28.0





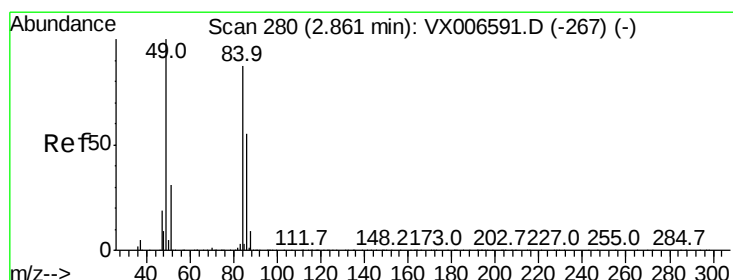
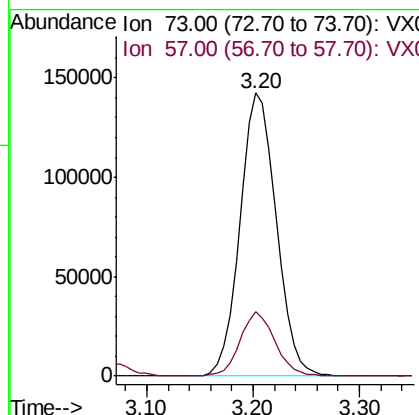
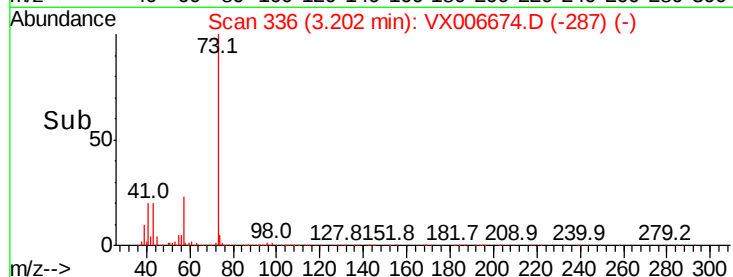
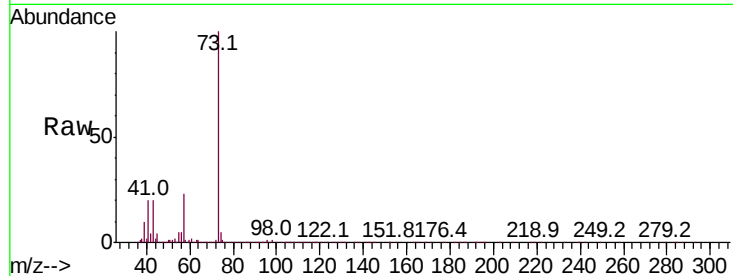
#19
Methyl tert-butyl Ether
Concen: 20.743 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion: 73 Resp: 341582
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

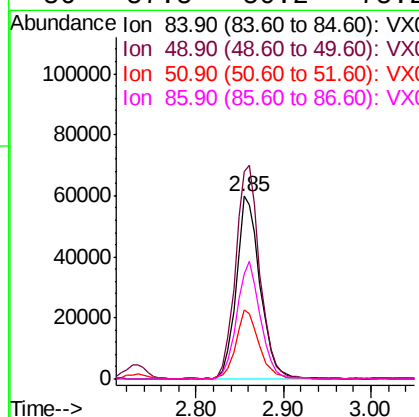
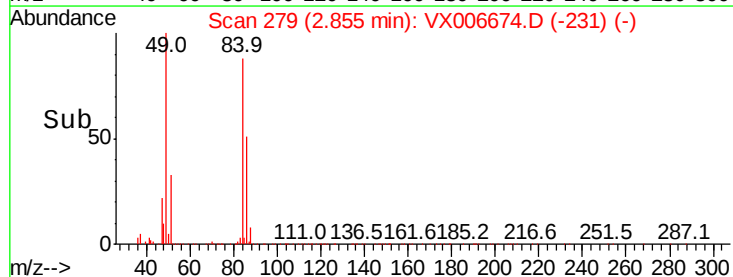
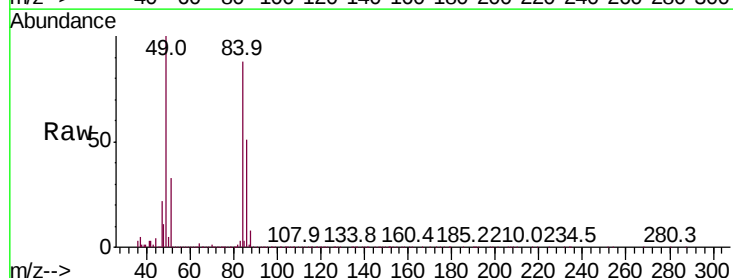
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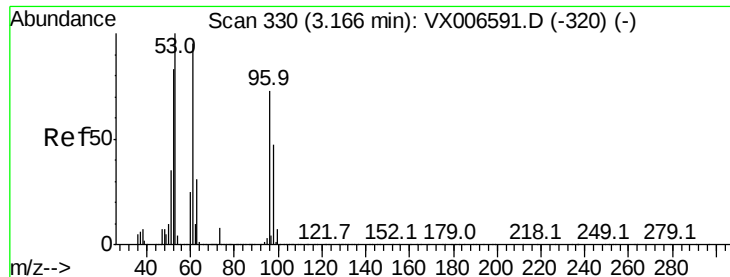
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#20
Methylene Chloride
Concen: 20.043 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 84 Resp: 113957
Ion Ratio Lower Upper
84 100
49 113.0 91.8 137.6
51 37.4 28.5 42.7
86 57.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.163 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 96 Resp: 105343

Ion Ratio Lower Upper

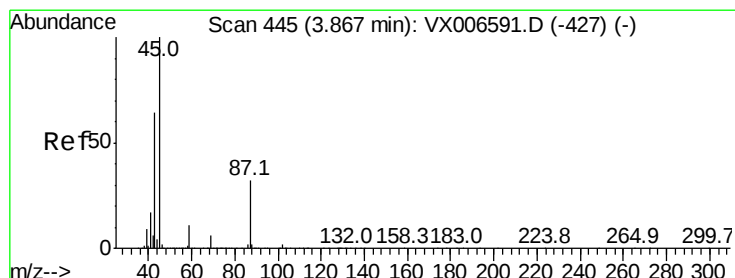
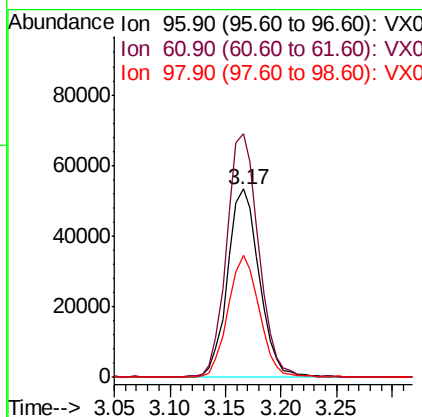
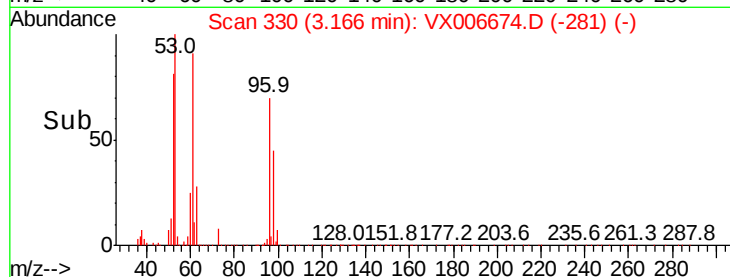
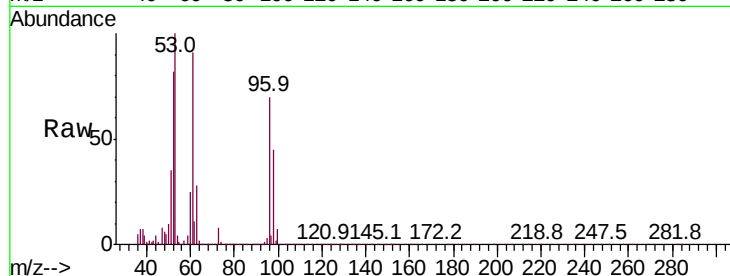
96 100

61 129.2 103.7 155.5

98 64.3 51.0 76.6

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#22

Diisopropyl ether

Concen: 20.728 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion: 45 Resp: 316694

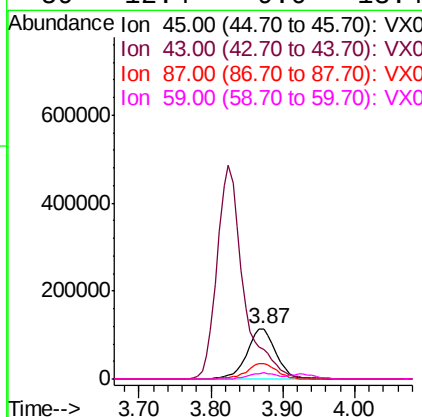
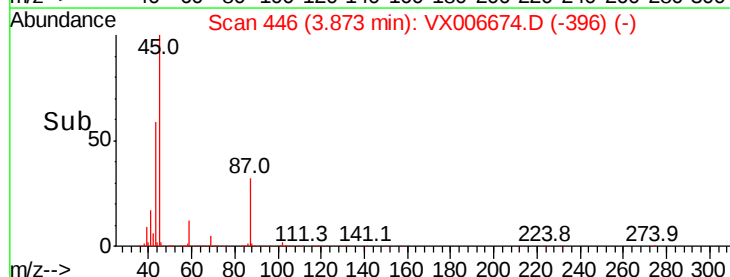
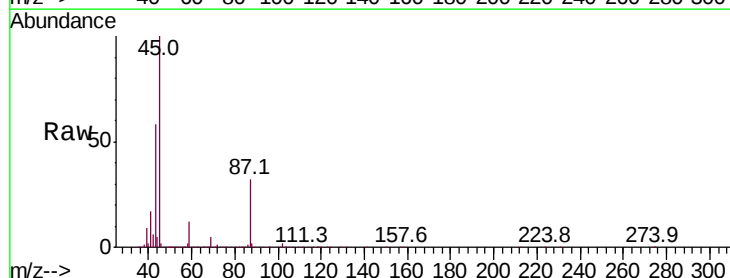
Ion Ratio Lower Upper

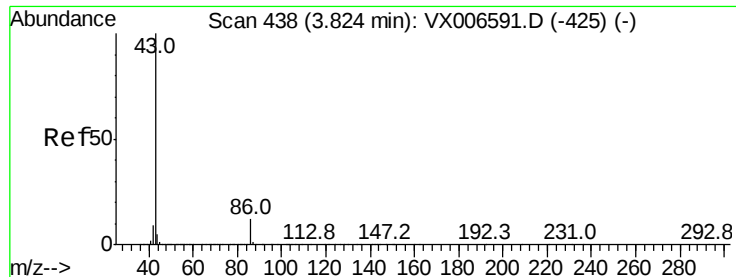
45 100

43 57.9 51.2 76.8

87 31.7 25.8 38.6

59 12.4 9.0 13.4





#23

Vinyl Acetate

Concen: 99.683 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 43 Resp: 1245754

Ion Ratio Lower Upper

43 100

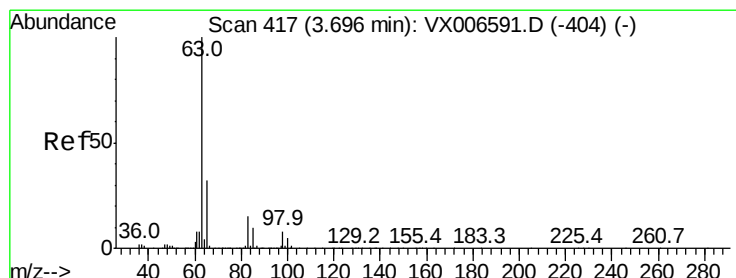
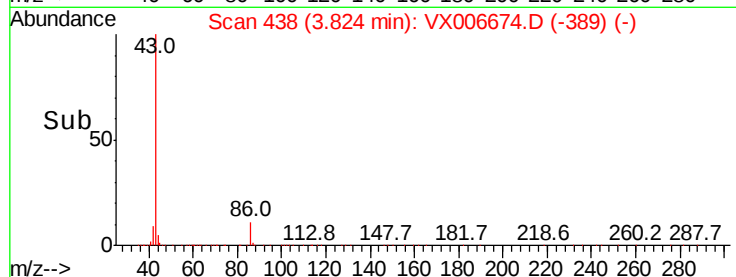
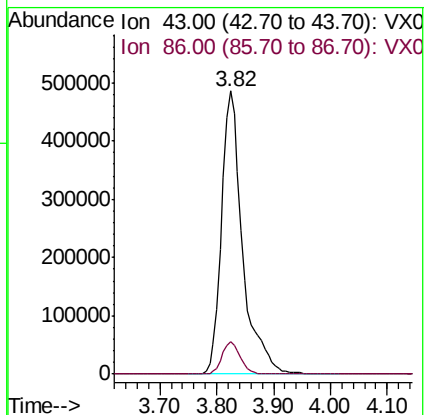
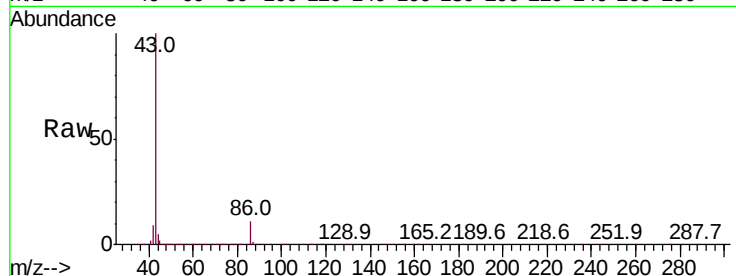
86 11.4 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 19.770 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

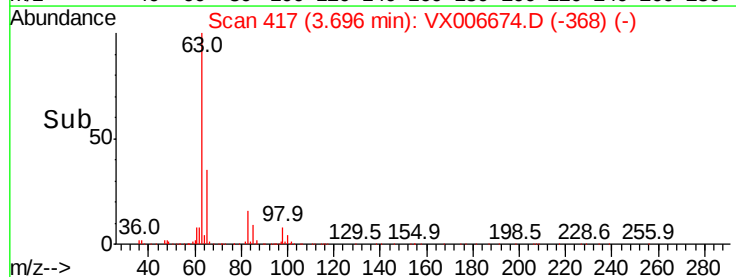
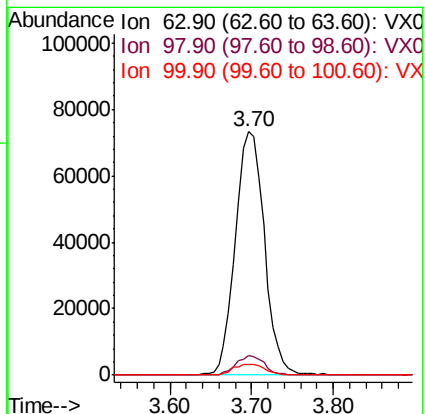
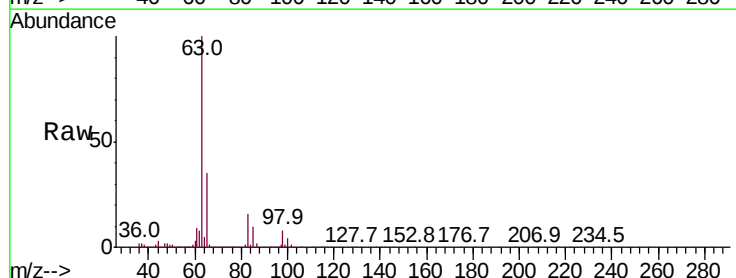
Tgt Ion: 63 Resp: 180309

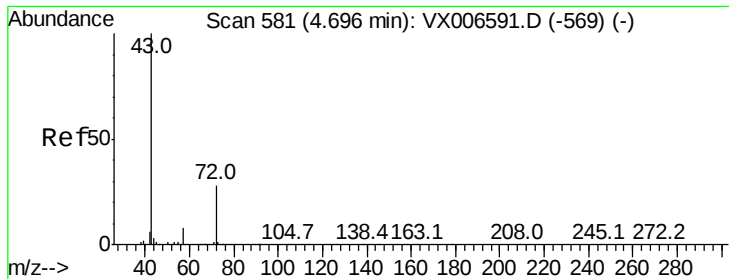
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

100 4.0 2.4 7.2





#25

2-Butanone

Concen: 101.100 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 43 Resp: 391022

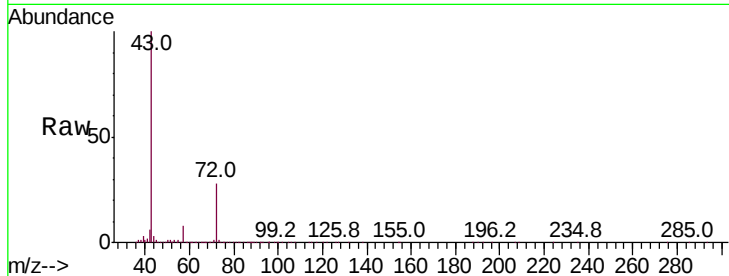
Ion Ratio Lower Upper

43 100

72 28.4 22.4 33.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

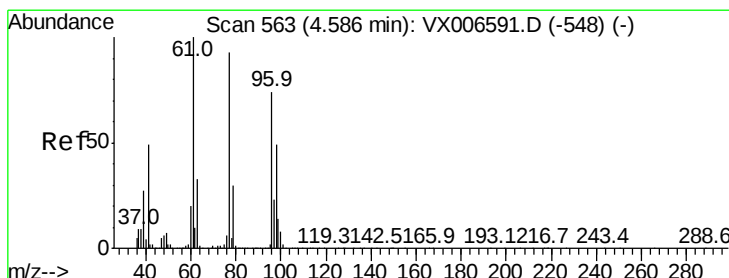
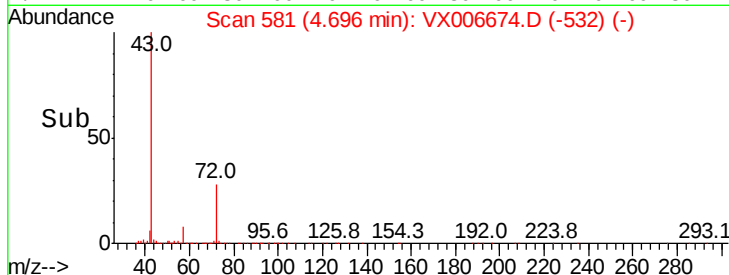
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 16.481 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006674.D

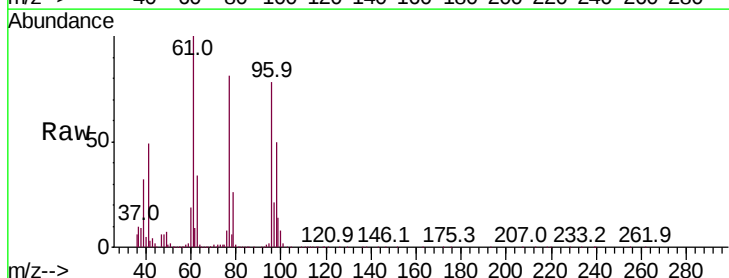
Acq: 20 Dec 2018 14:27

Tgt Ion: 77 Resp: 116115

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

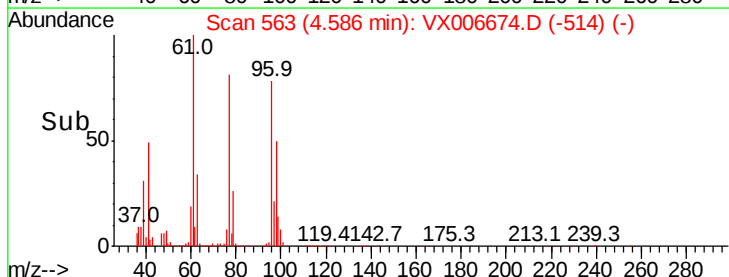
20000

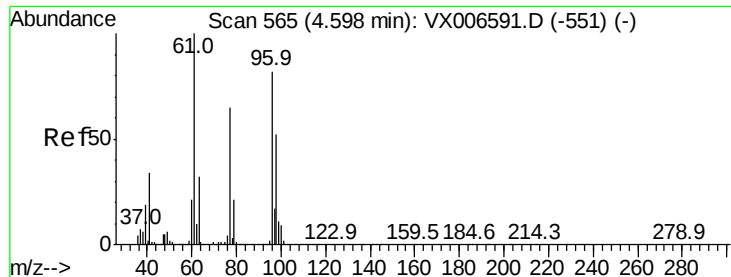
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

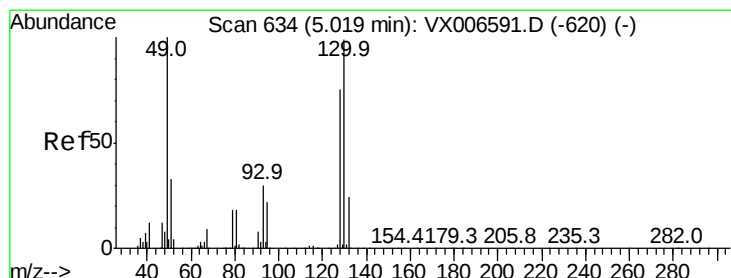
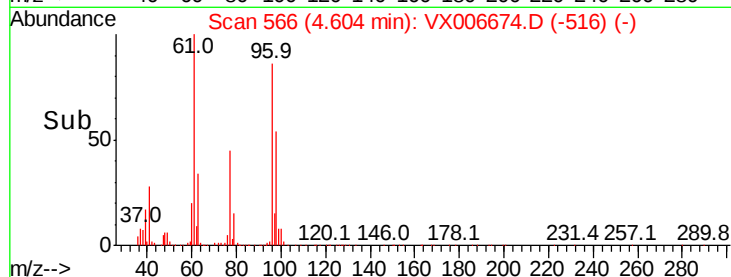
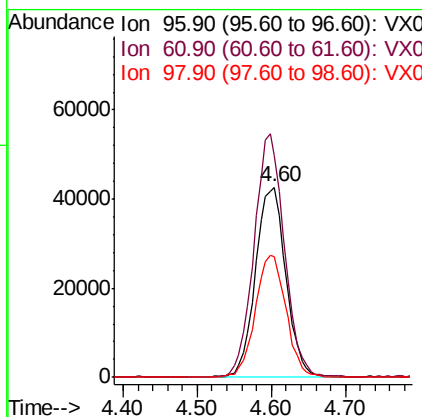
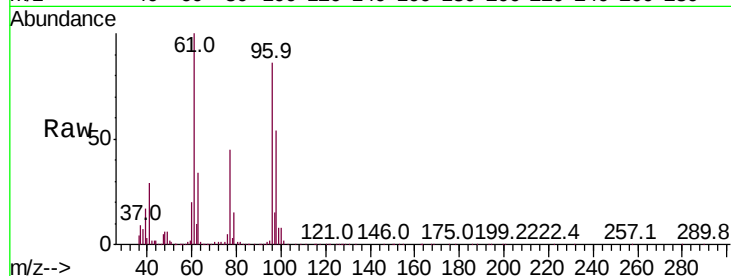
cis-1,2-Dichloroethene
Concen: 20.242 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122773		
61	126.4		0.0	258.6
98	64.7		0.0	132.0

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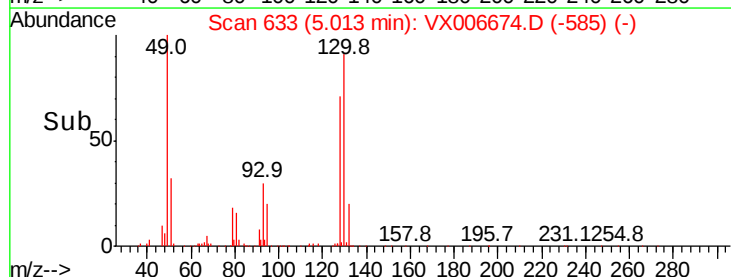
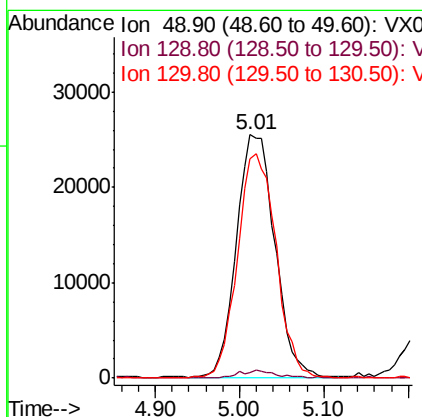
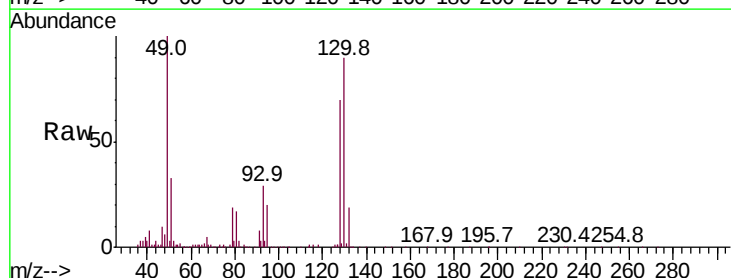
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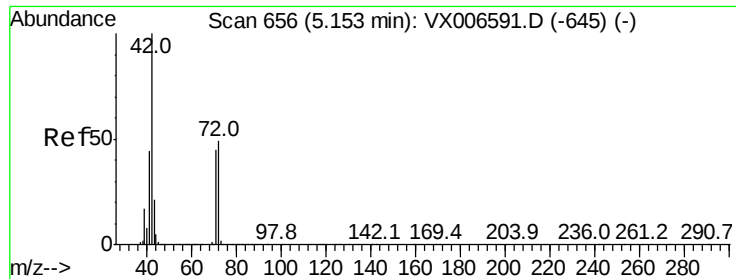


#28

Bromochloromethane
Concen: 19.290 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78539		
129	3.0		0.0	5.4
130	92.9		77.7	116.5





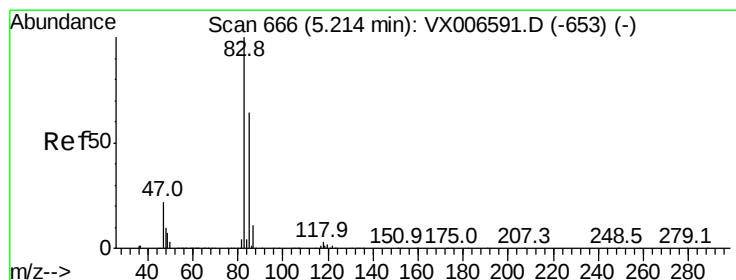
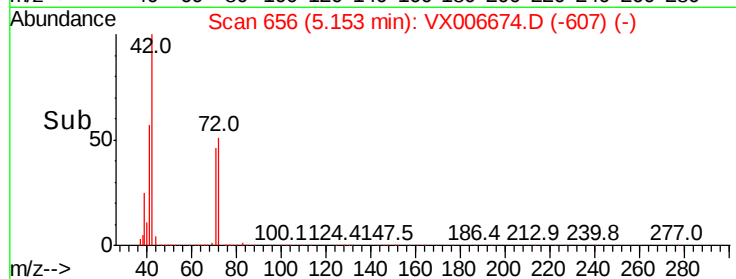
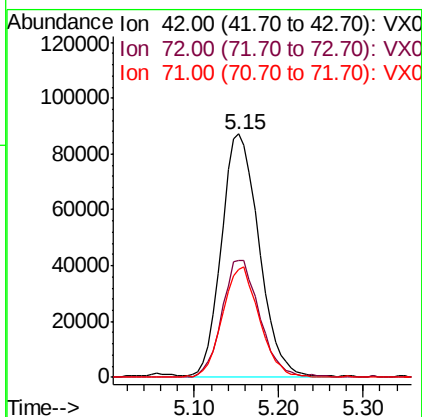
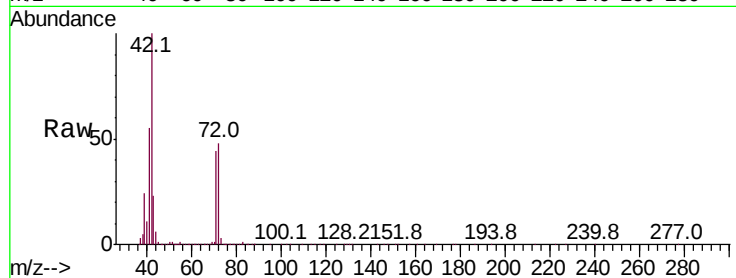
#29
Tetrahydrofuran
Concen: 103.173 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.9	58.3
71	44.8	36.2	54.4

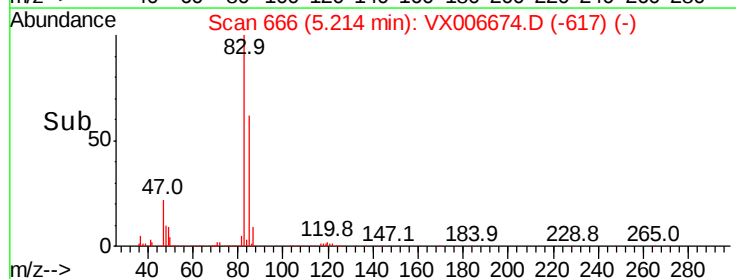
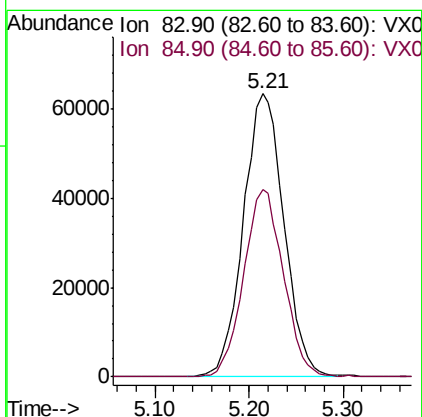
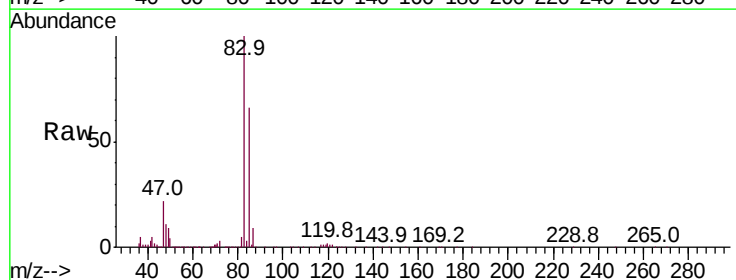
Manual Integrations
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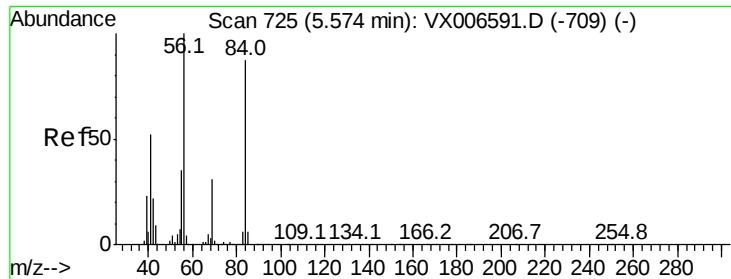
MMDadoda
12/21/2018 10:18:59 AM



#30
Chloroform
Concen: 20.218 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.2	76.8





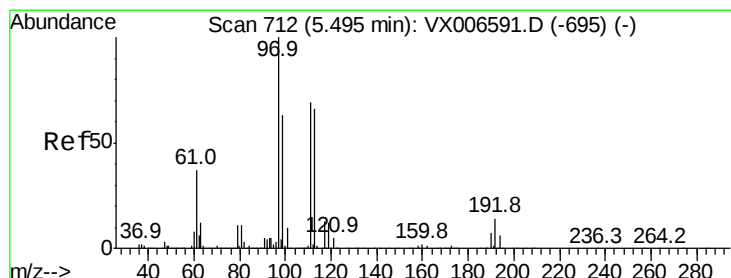
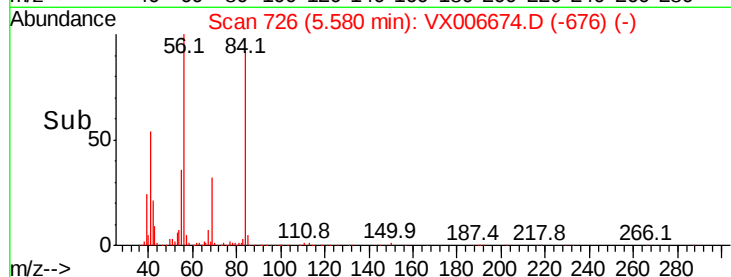
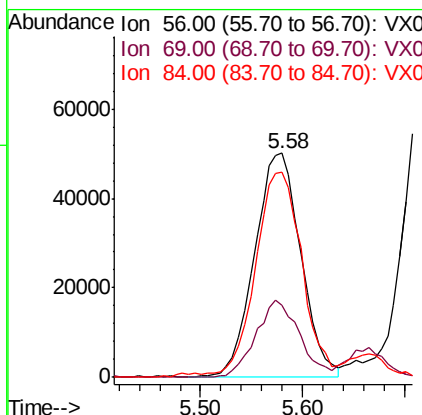
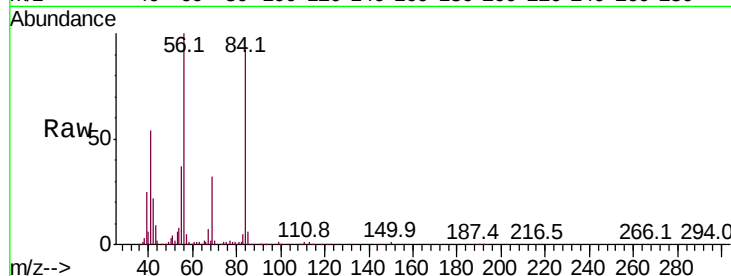
#31
Cyclohexane
Concen: 19.004 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.4	36.6
84	89.8	70.0	105.0

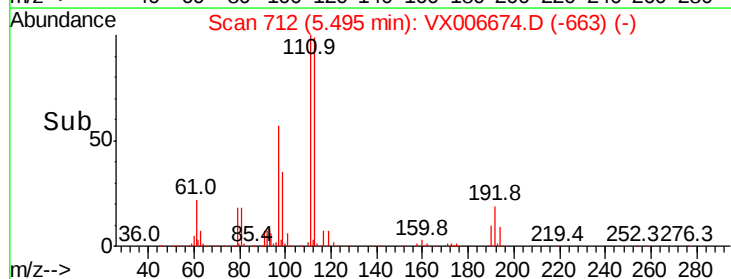
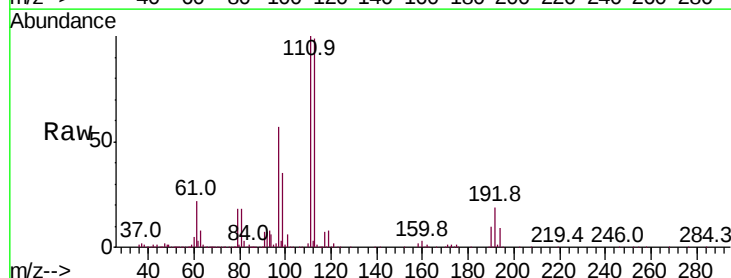
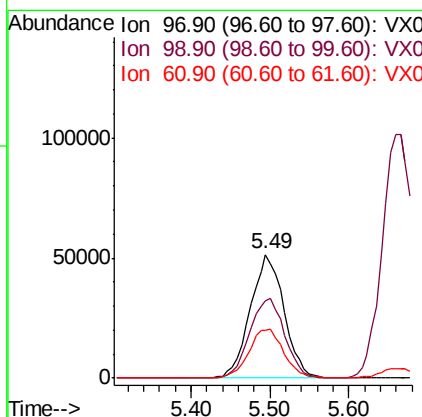
Manual Integrations
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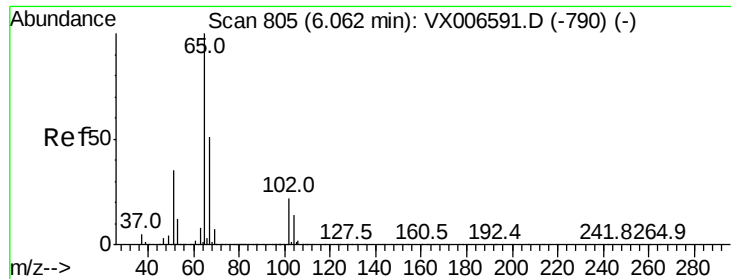
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#32
1,1,1-Trichloroethane
Concen: 19.142 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.7	77.5
61	40.6	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 52.643 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 65 Resp: 315056

Ion Ratio Lower Upper

65 100

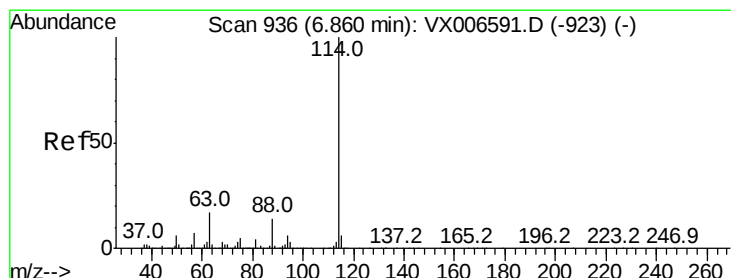
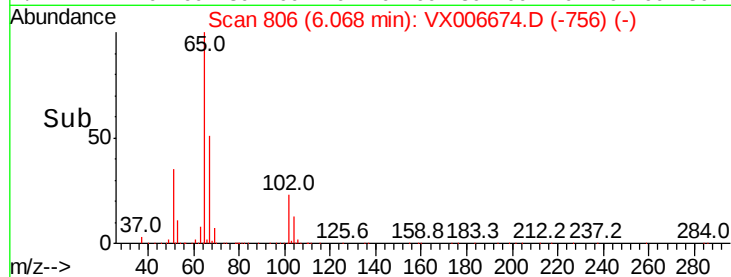
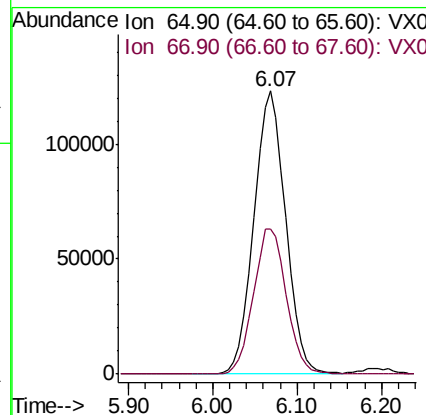
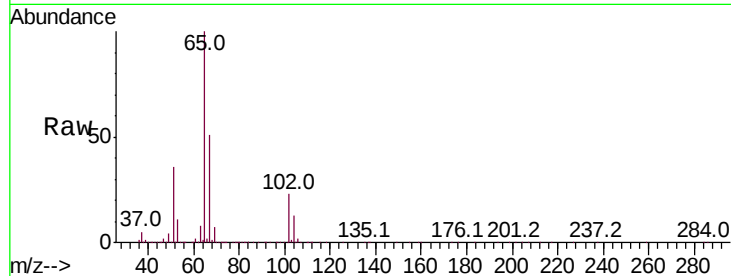
67 52.9 0.0 105.0

Manual Integrations

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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: VX006674.D

Acq: 20 Dec 2018 14:27

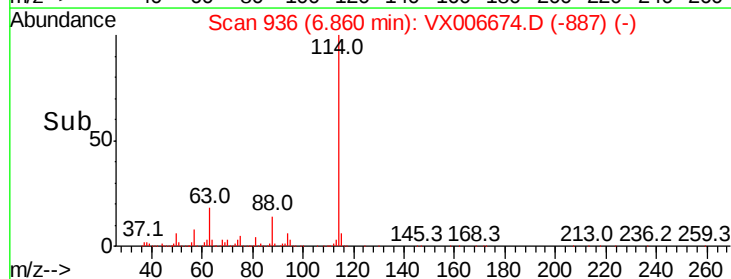
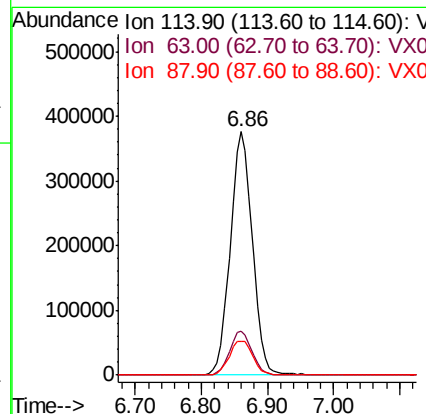
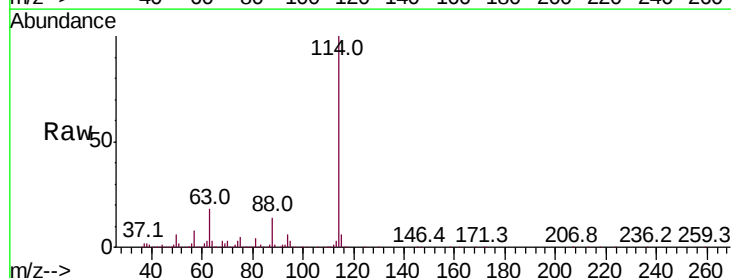
Tgt Ion: 114 Resp: 870213

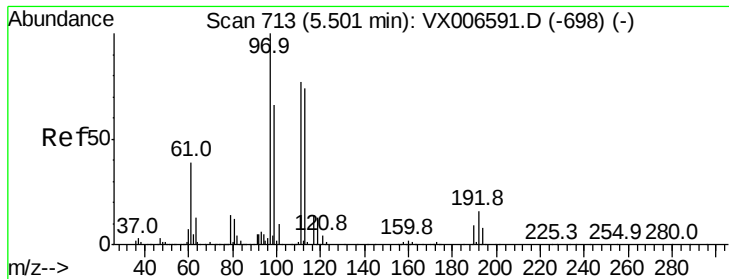
Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

88 13.9 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.720 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

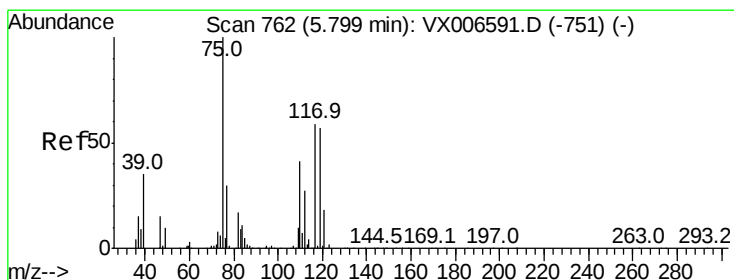
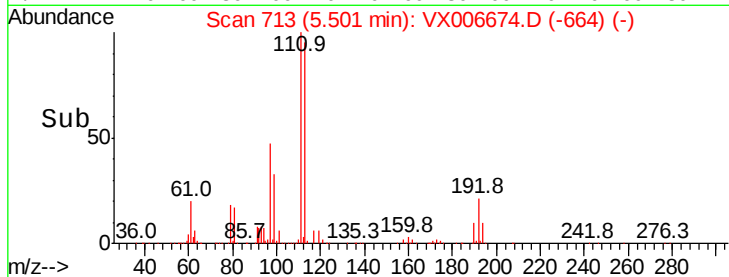
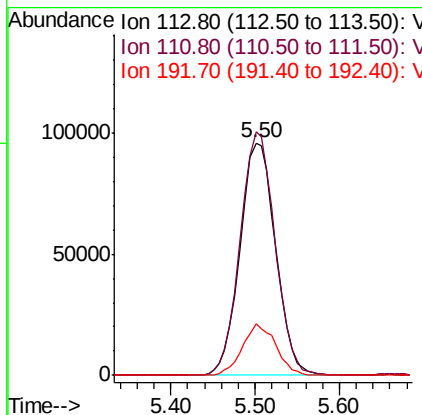
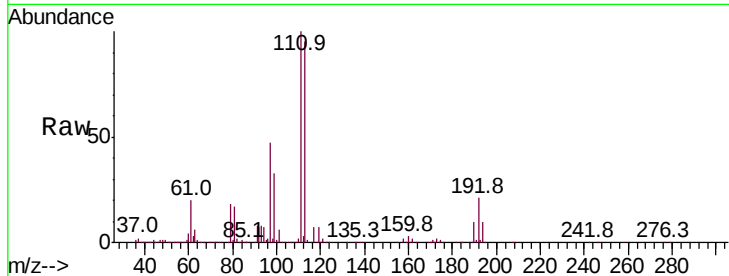
ClientSampleId :

VX1220WBSD01

Tot Ion:	113	Resp:	273615
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.6	122.4
192	21.1	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 19.306 ug/l

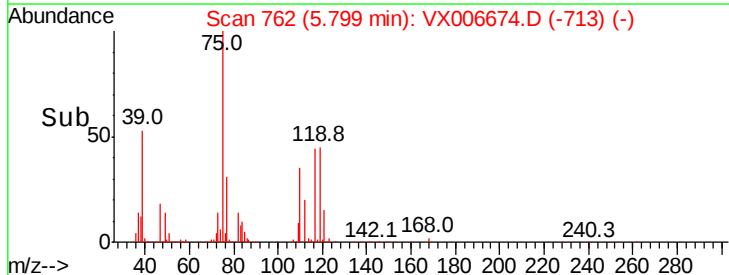
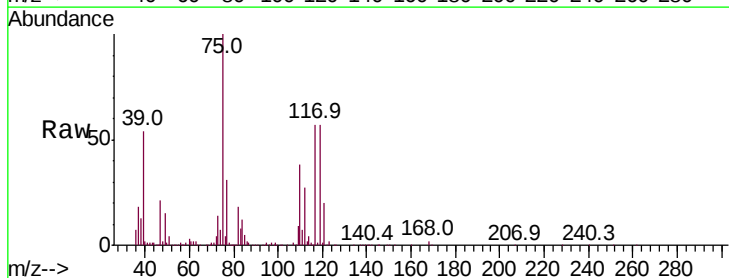
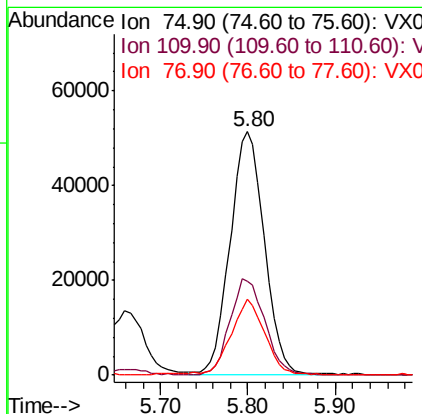
RT: 5.80 min Scan# 762

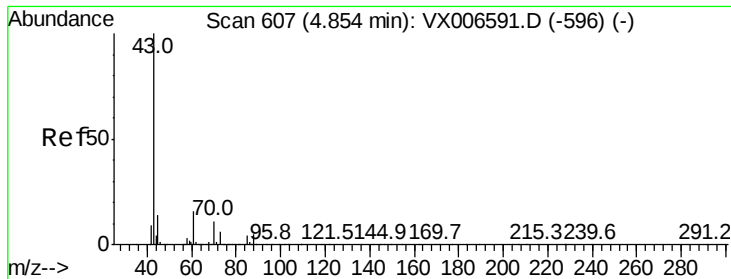
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	75	Resp:	139143
Ion Ratio	Lower	Upper	
75	100		
110	40.6	20.2	60.5
77	31.4	24.8	37.2





#37

Ethyl Acetate

Concen: 19.545 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

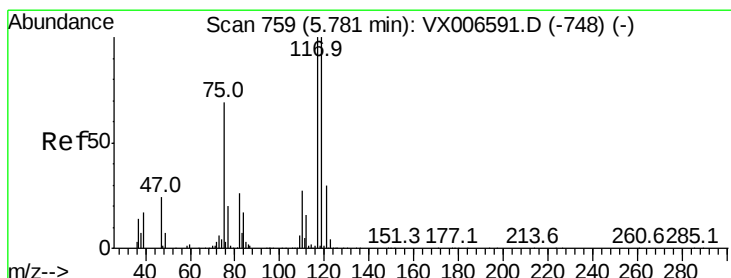
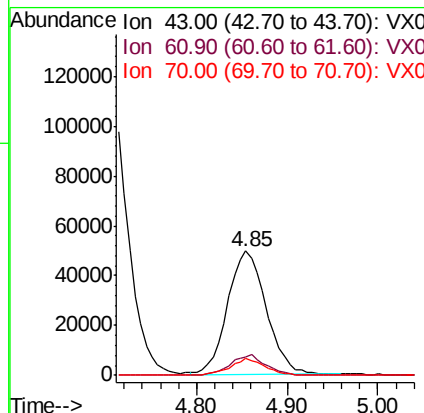
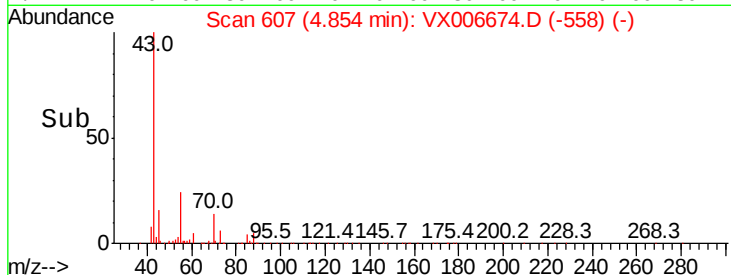
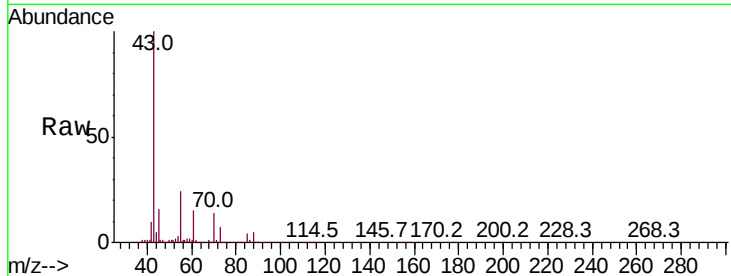
ClientSampleId :

VX1220WBSD01

Tot Ion:	43	Resp:	146620
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	12.0	9.7	14.5

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#38

Carbon Tetrachloride

Concen: 18.300 ug/l

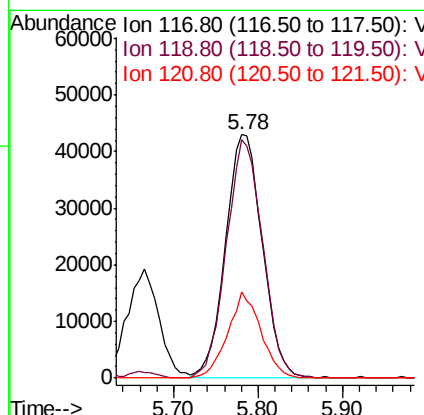
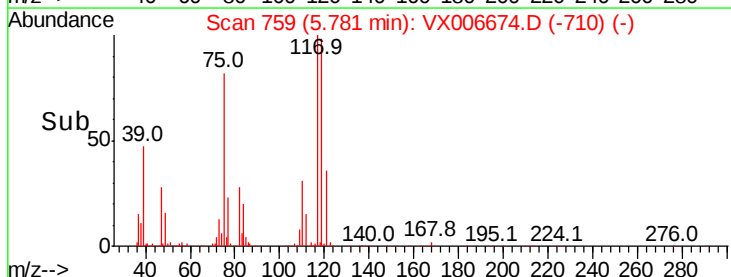
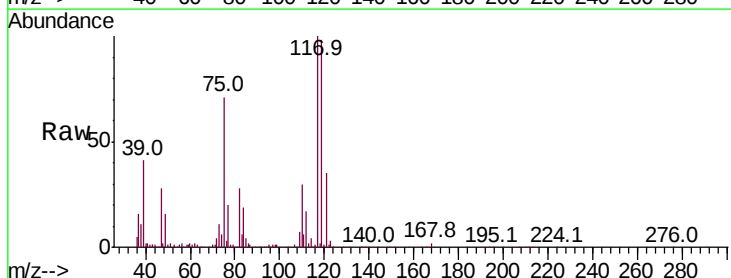
RT: 5.78 min Scan# 759

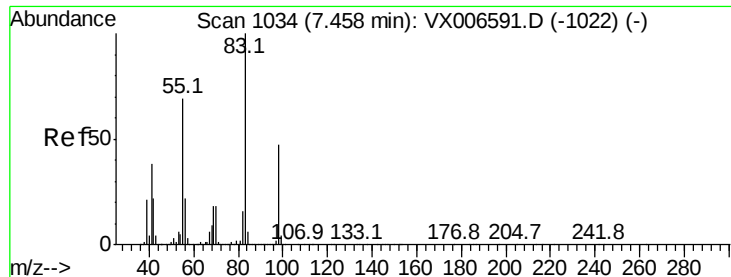
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	117	Resp:	128183
Ion	Ratio	Lower	Upper
117	100		
119	97.6	79.4	119.2
121	35.4	24.0	36.0





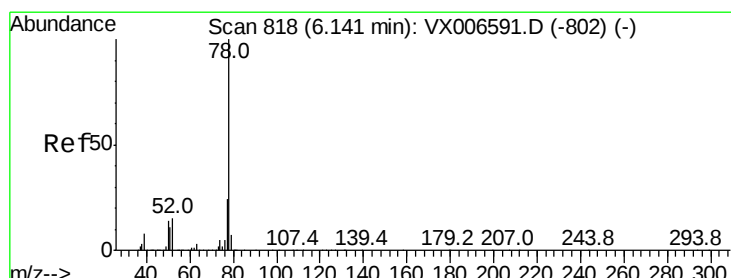
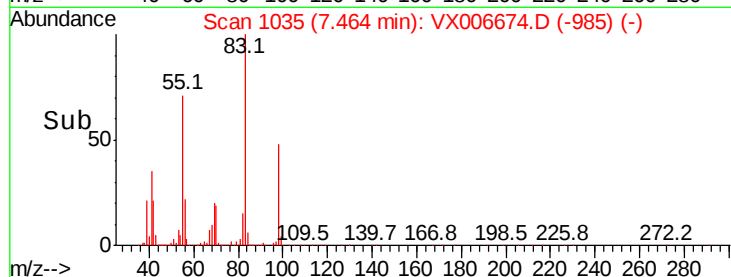
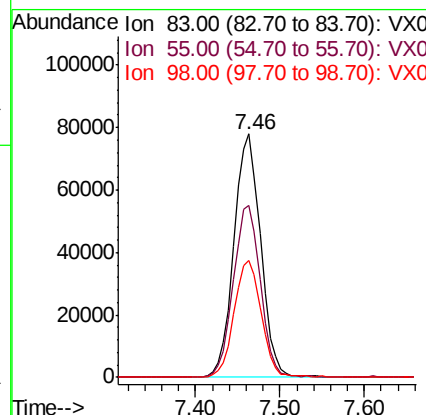
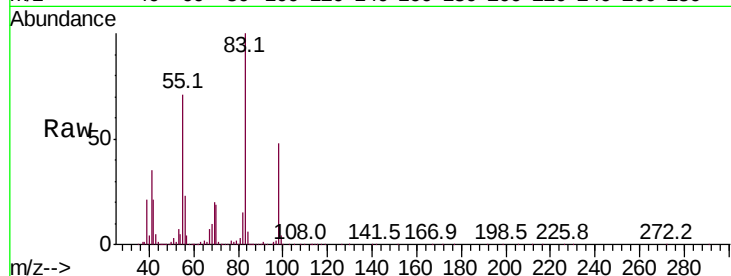
#39
Methvlcvclohexane
Concen: 17.719 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168128		
55	70.6	54.9	82.3	
98	48.2	37.9	56.9	

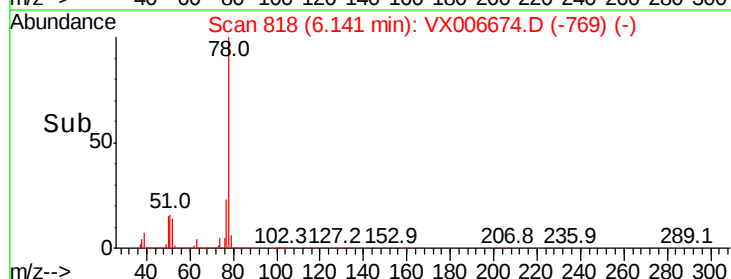
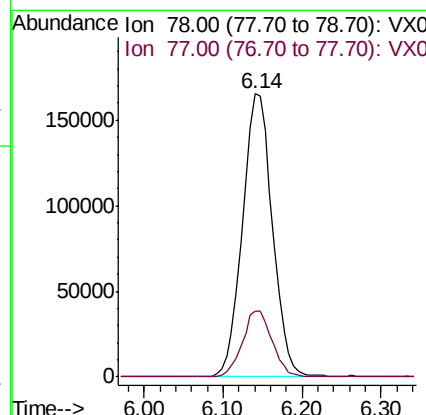
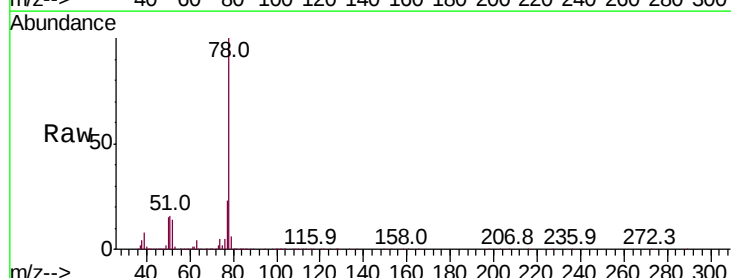
Manual Integrations
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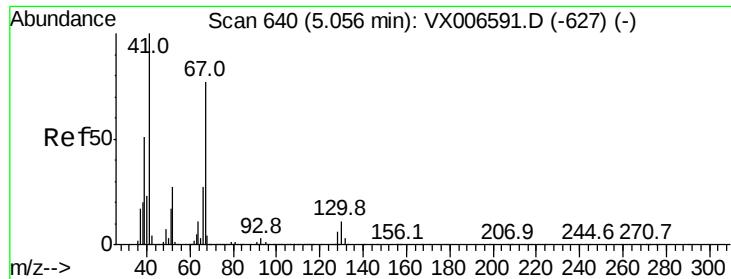
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#40
Benzene
Concen: 19.976 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	437642		
77	23.2	19.2	28.8	





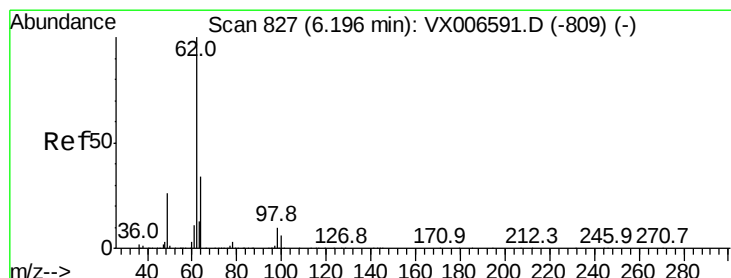
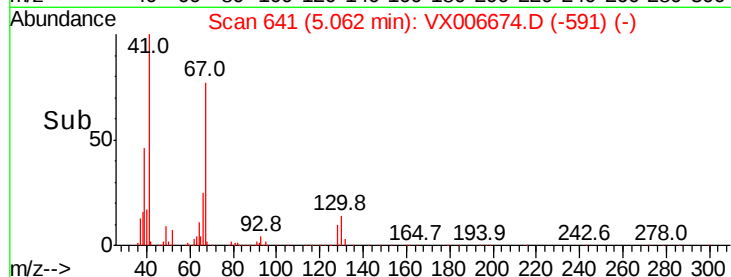
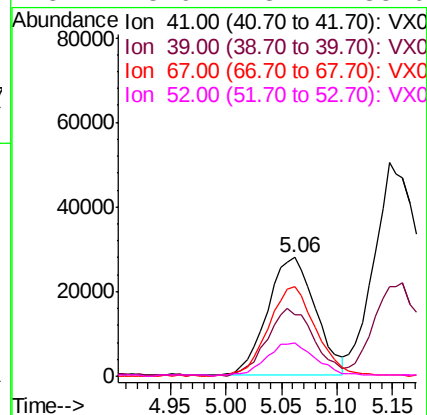
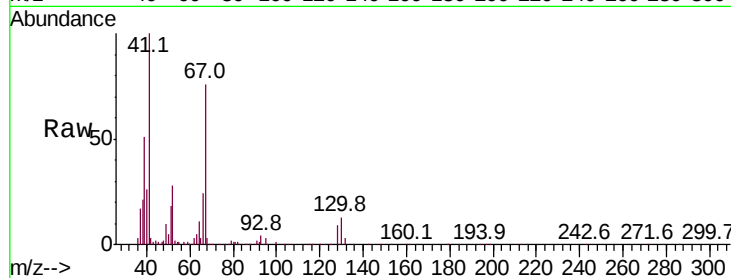
#41
Methacrylonitrile
Concen: 21.202 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	42.8	64.2
67	74.3	62.1	93.1
52	28.9	23.4	35.0

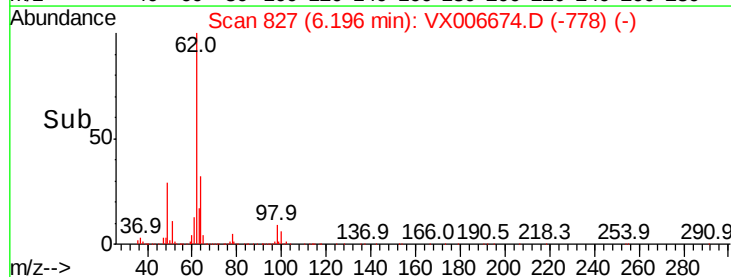
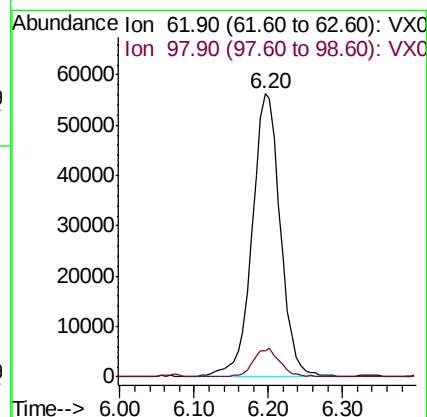
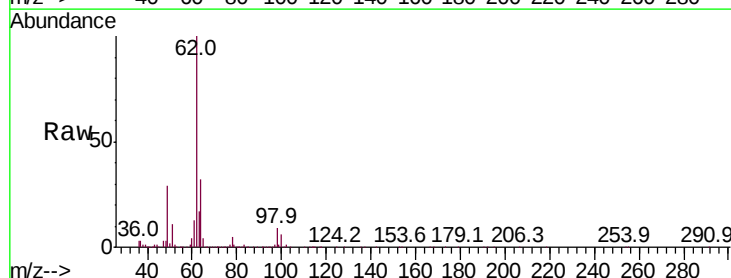
Manual Integrations
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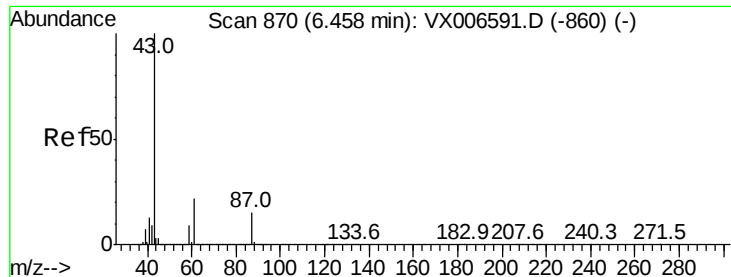
MMDadoda
12/21/2018 10:18:59 AM



#42
1,2-Dichloroethane
Concen: 19.872 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.748 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

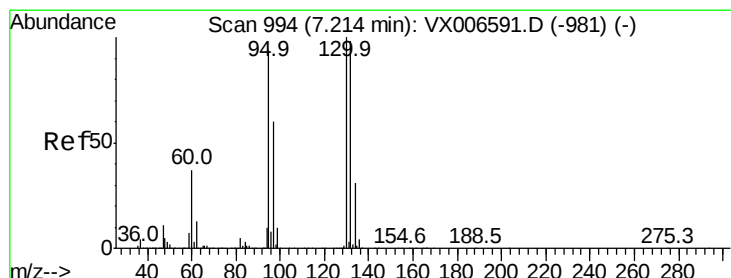
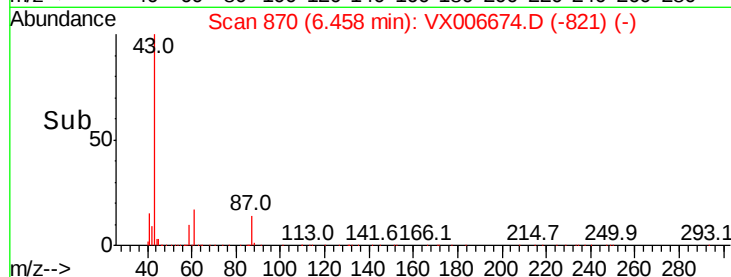
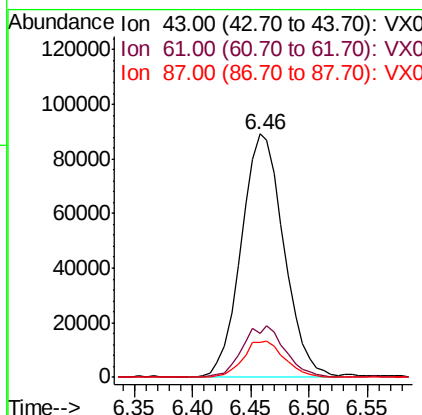
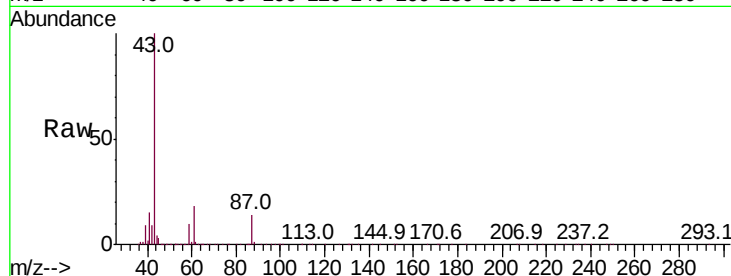
ClientSampleId :

VX1220WBSD01

Tot Ion:	43	Resp:	225403
Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.8	25.2
87	14.7	12.4	18.6

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#44

Trichloroethene

Concen: 18.901 ug/l

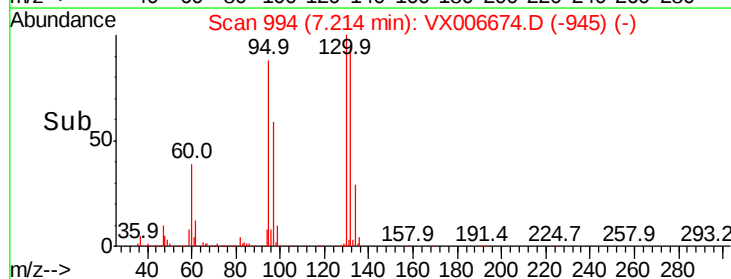
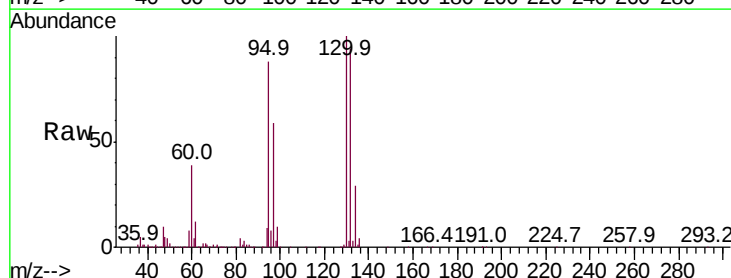
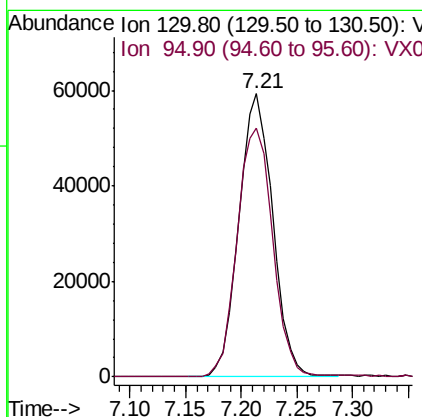
RT: 7.21 min Scan# 994

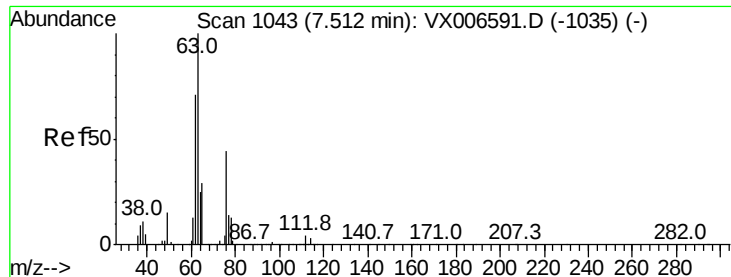
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	130	Resp:	125332
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.005 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 63 Resp: 106652

Ion Ratio Lower Upper

63 100

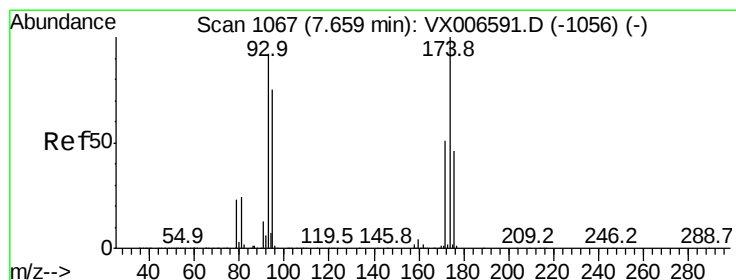
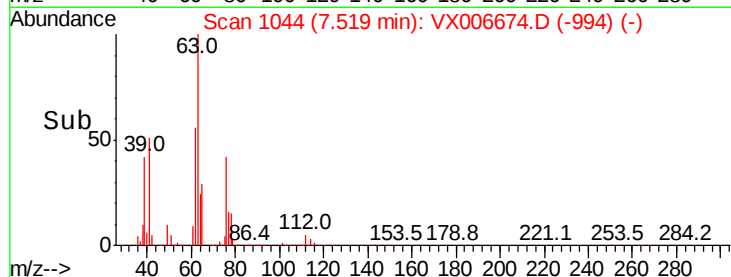
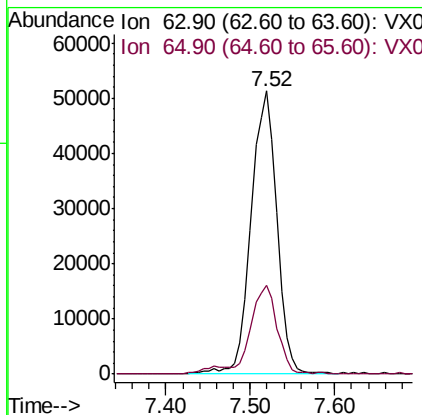
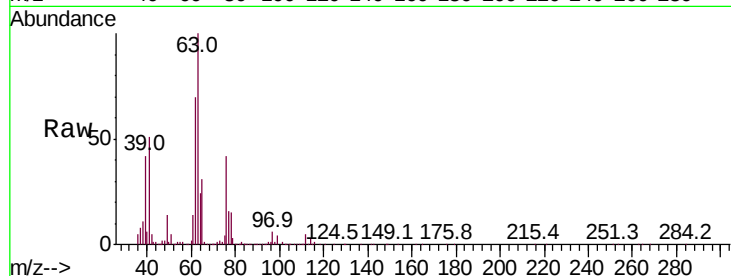
65 31.1 25.4 38.0

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#46

Dibromomethane

Concen: 19.470 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

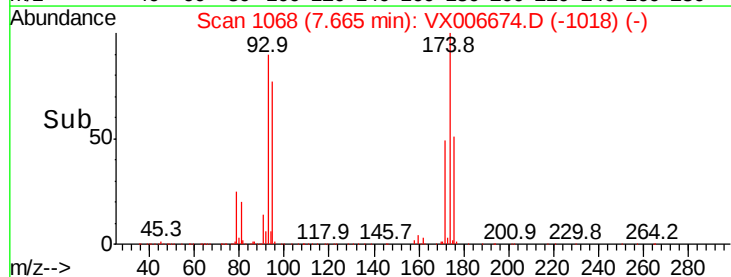
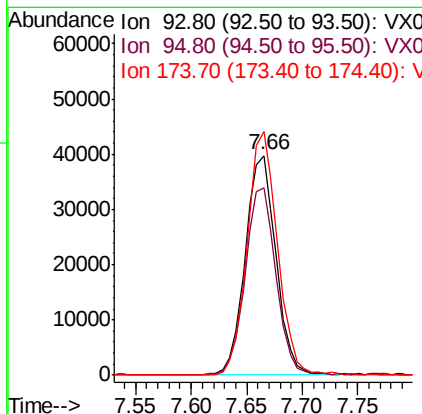
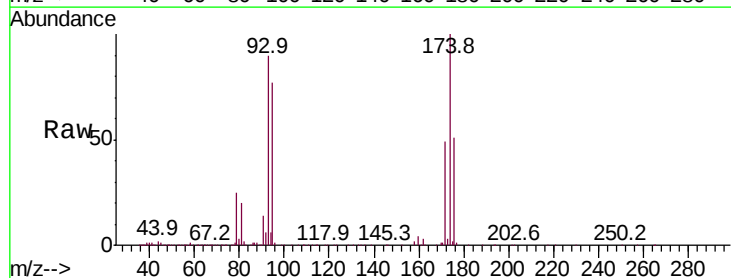
Tgt Ion: 93 Resp: 76351

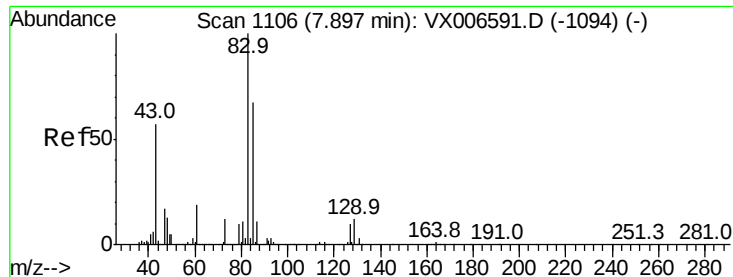
Ion Ratio Lower Upper

93 100

95 86.0 66.2 99.4

174 109.9 91.0 136.4





#47

Bromodichloromethane

Concen: 18.268 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

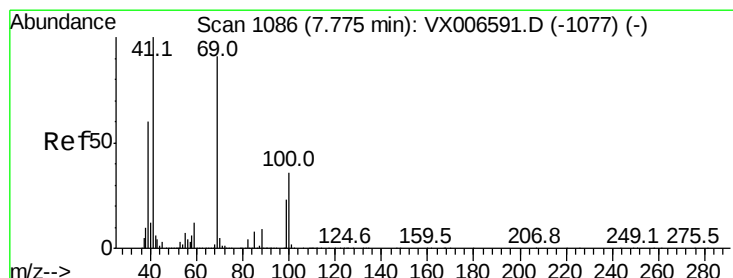
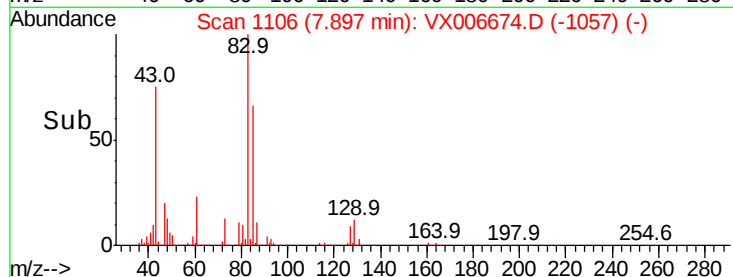
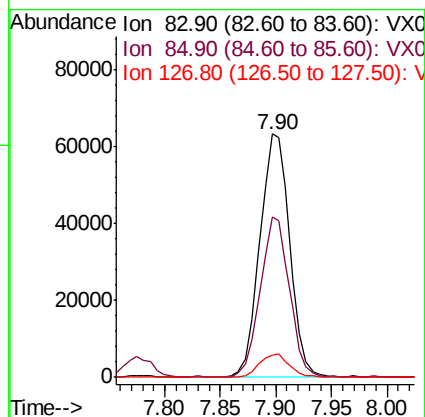
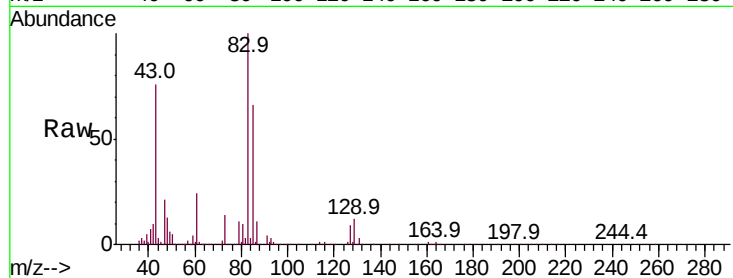
ClientSampleId :

VX1220WBSD01

Tot Ion:	83	Resp:	118937
Ion Ratio	Lower	Upper	
83	100		
85	65.6	53.2	79.8
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.877 ug/l

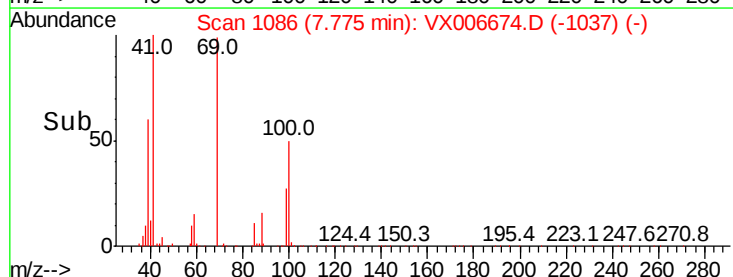
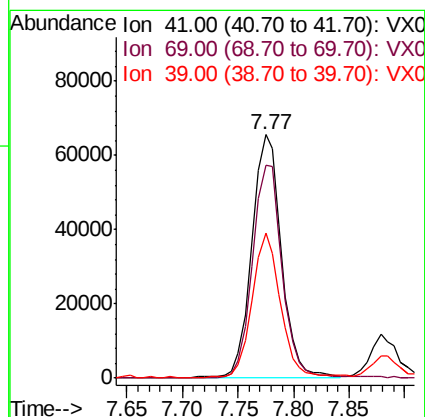
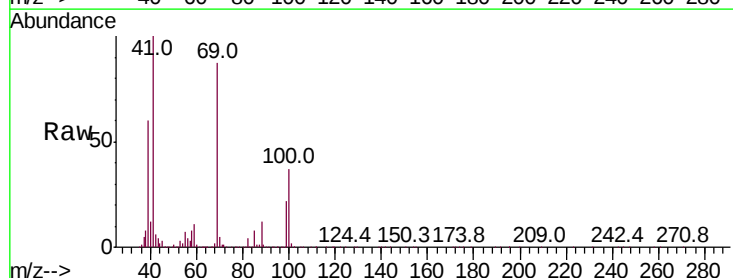
RT: 7.77 min Scan# 1086

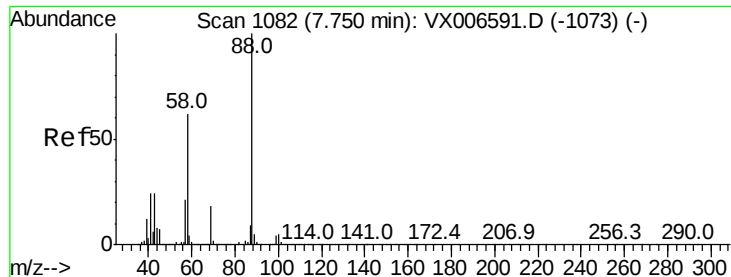
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	41	Resp:	121178
Ion Ratio	Lower	Upper	
41	100		
69	88.8	72.4	108.6
39	56.9	45.8	68.8





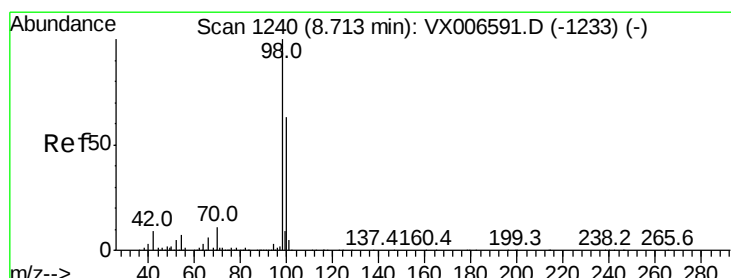
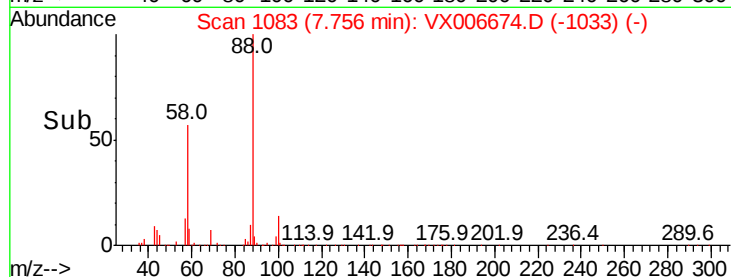
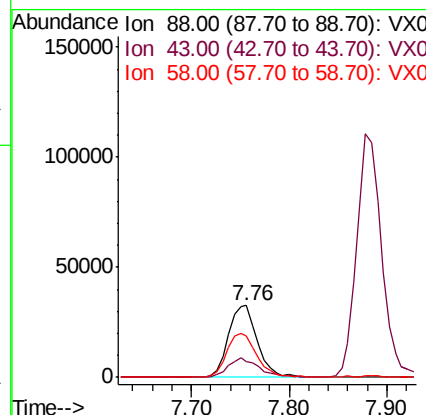
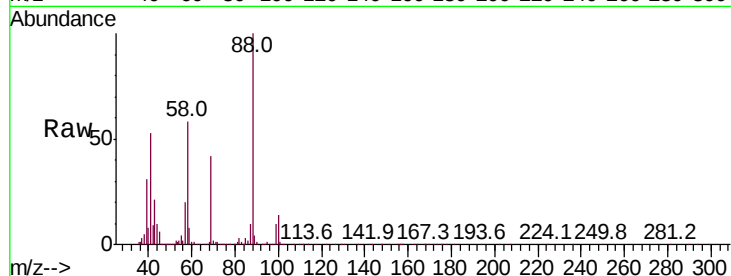
#49
1,4-Dioxane
Concen: 426.495 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	22.2	33.4
58	63.4	51.0	76.4

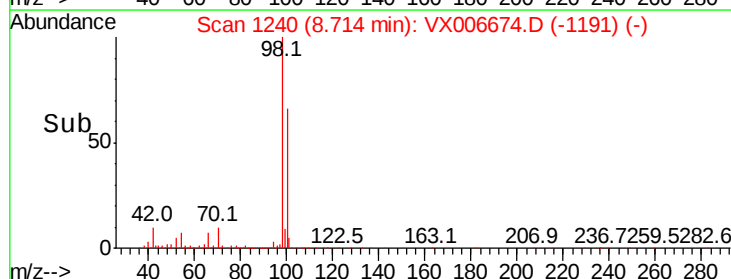
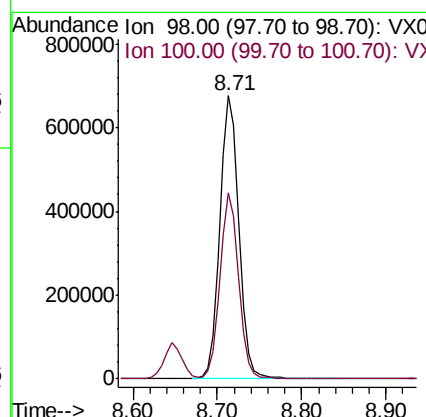
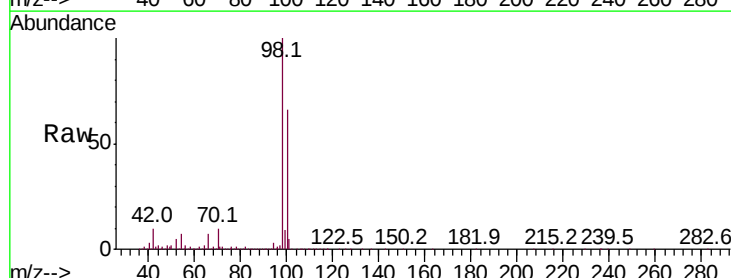
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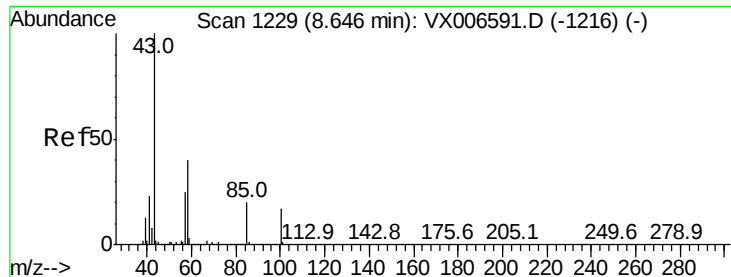
MMDadoda
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#50
Toluene-d8
Concen: 51.155 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





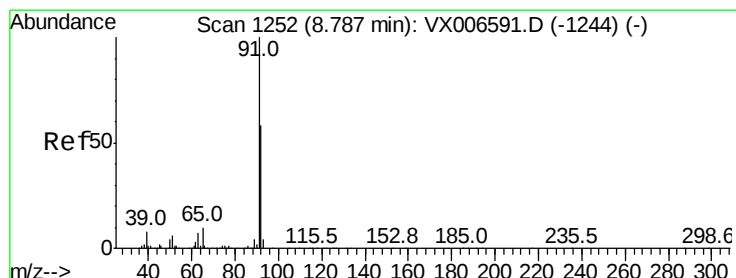
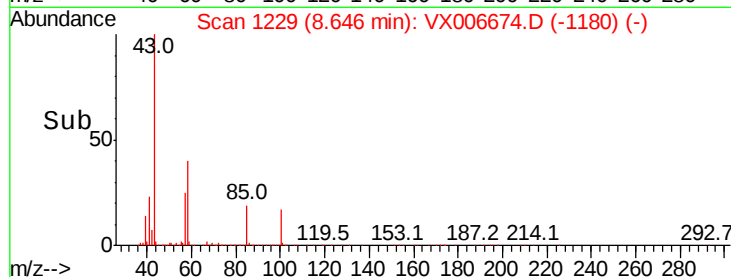
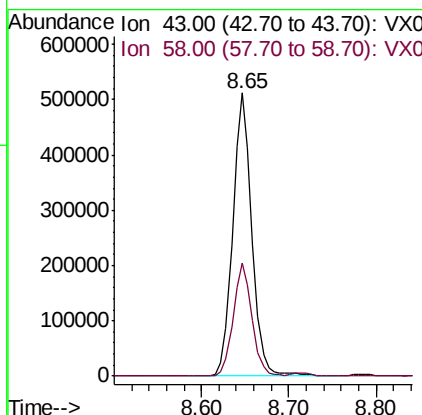
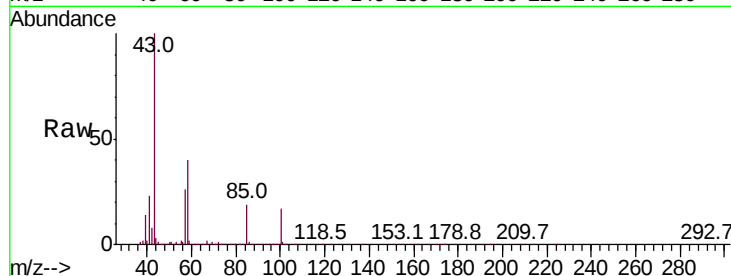
#51
4-Methyl-2-Pentanone
Concen: 107.416 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.8	47.6

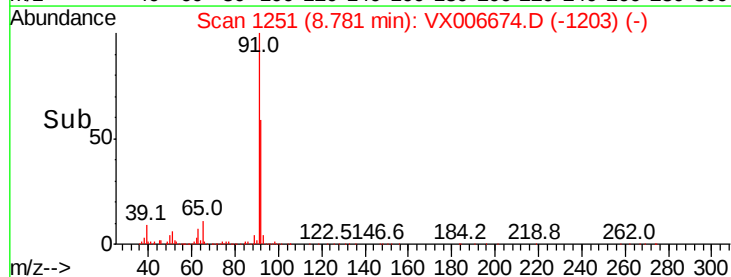
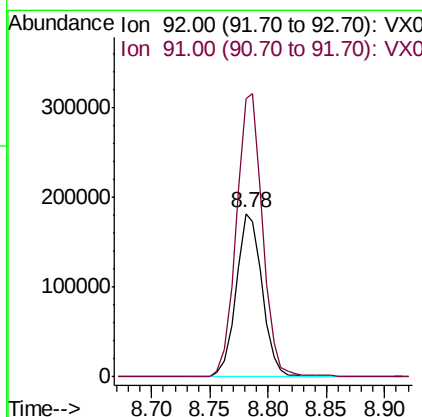
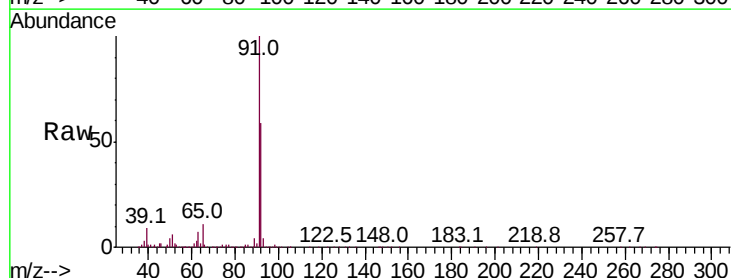
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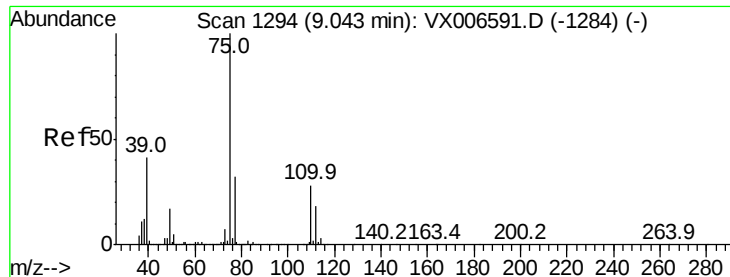
MMDadoda
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#52
Toluene
Concen: 20.071 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.8	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 17.458 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 75 Resp: 121902

Ion Ratio Lower Upper

75 100

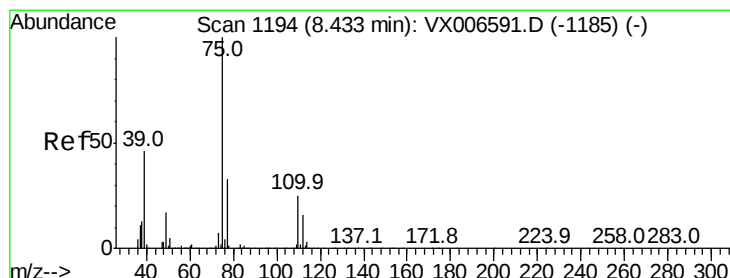
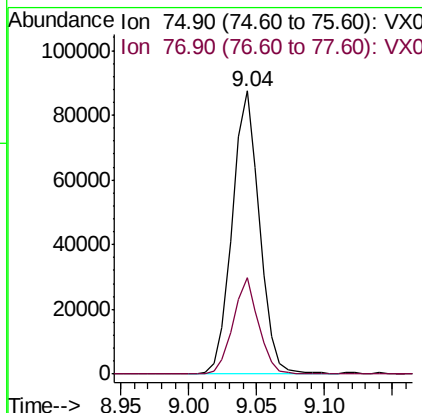
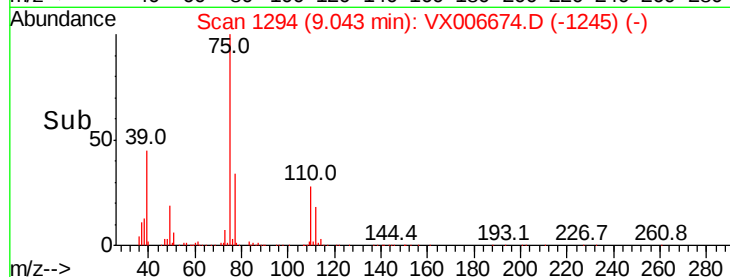
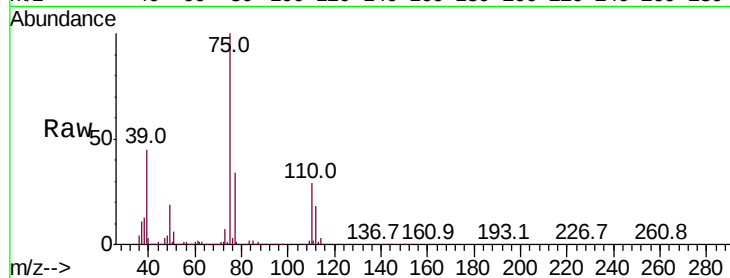
77 34.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 18.854 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

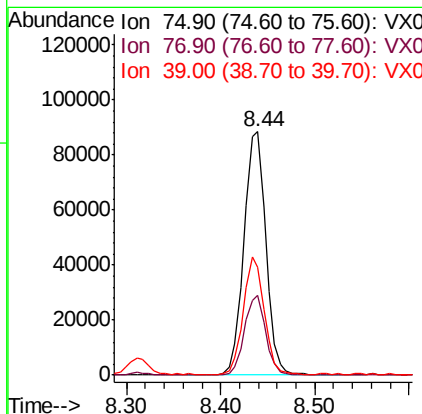
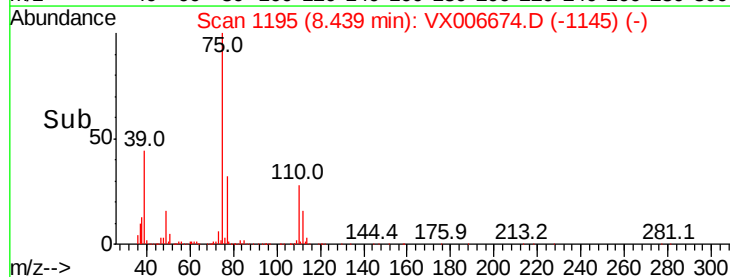
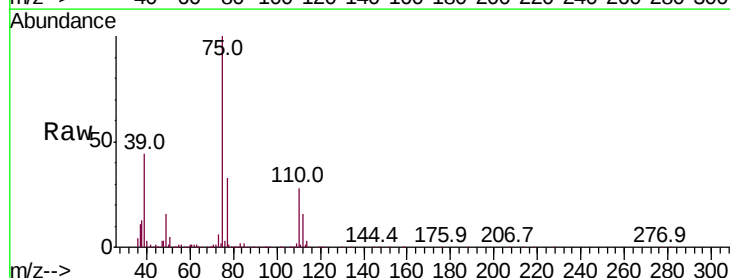
Tgt Ion: 75 Resp: 144451

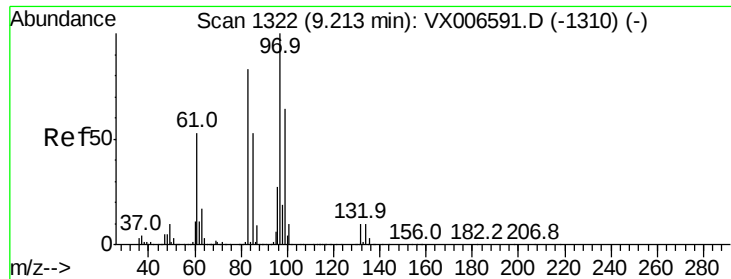
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

39 43.8 36.7 55.1





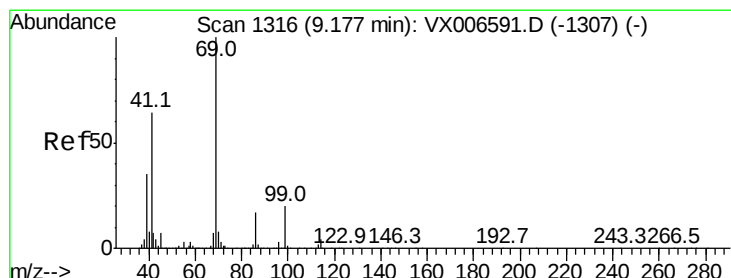
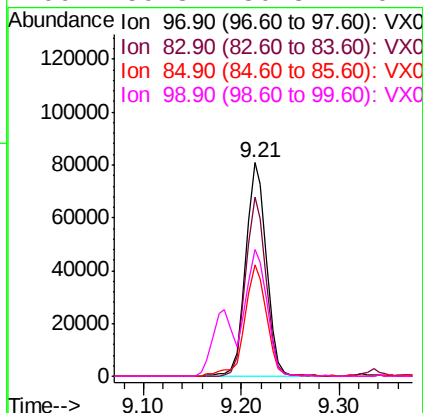
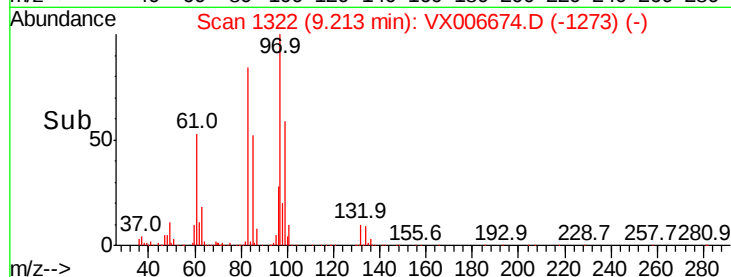
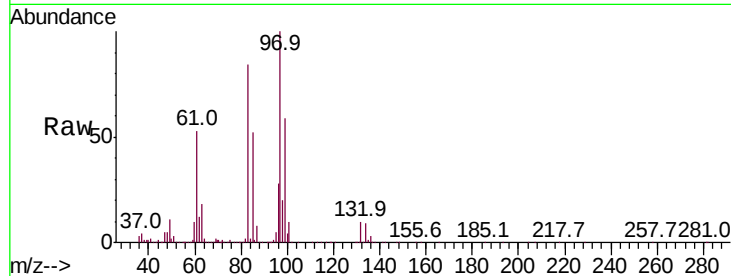
#55
 1,1,2-Trichloroethane
 Concen: 20.515 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	118850		
83	83.9	66.6	99.8	
85	52.3	42.7	64.1	
99	59.3	50.8	76.2	

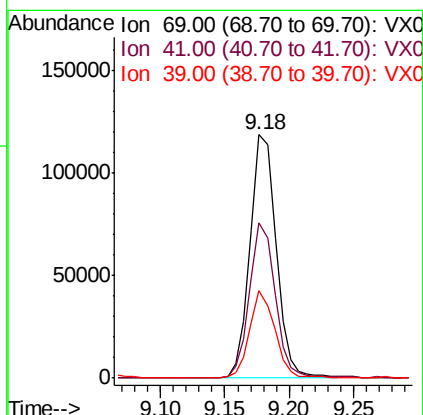
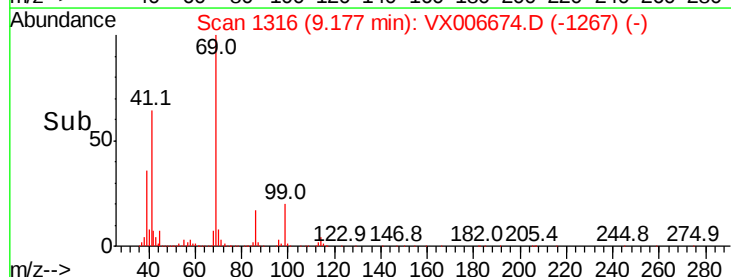
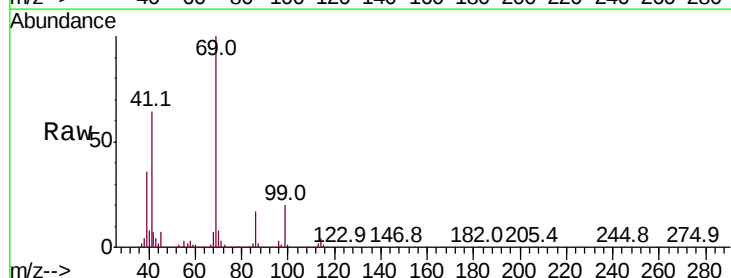
Manual Integrations
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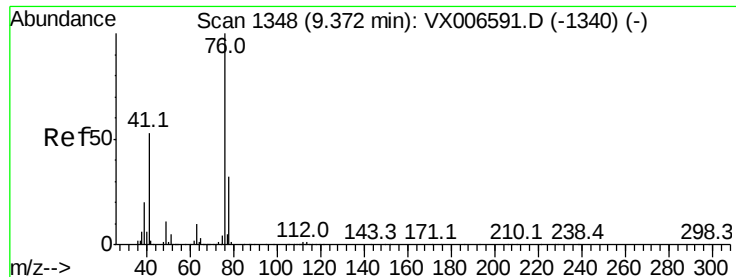
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#56
 Ethyl methacrylate
 Concen: 20.273 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	166000		
41	63.4	48.7	73.1	
39	34.3	27.0	40.6	





#57

1,3-Dichloropropane

Concen: 20.302 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 76 Resp: 189228

Ion Ratio Lower Upper

76 100

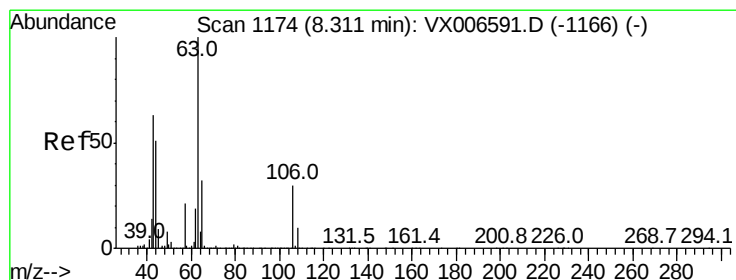
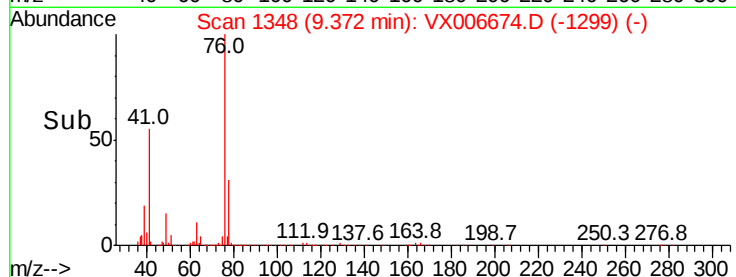
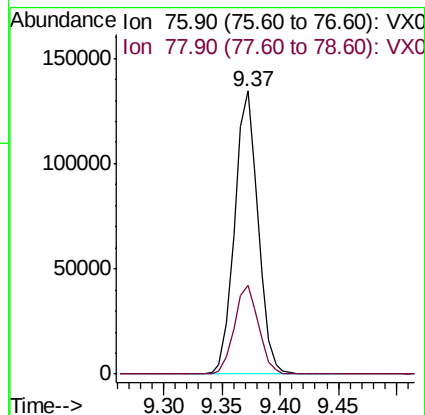
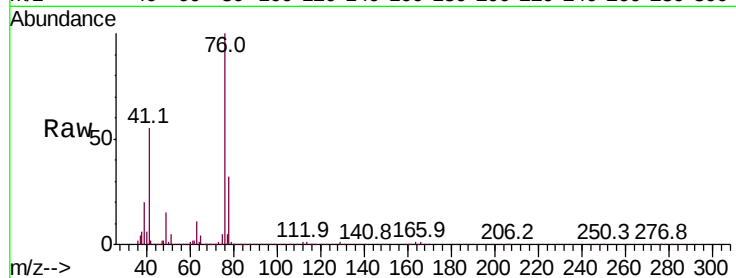
78 32.7 26.0 39.0

Manual Integrations

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12/21/2018 10:18:59 AM



#58

2-Chloroethyl Vinyl ether

Concen: 103.650 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006674.D

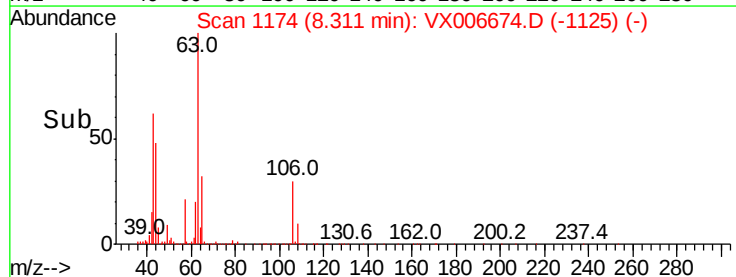
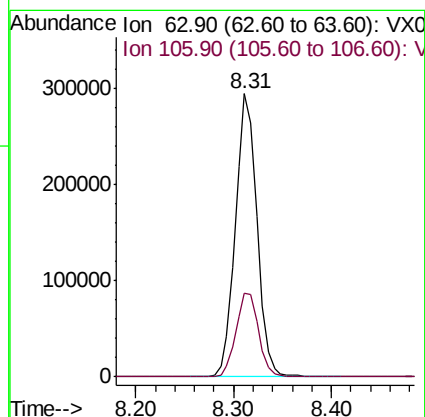
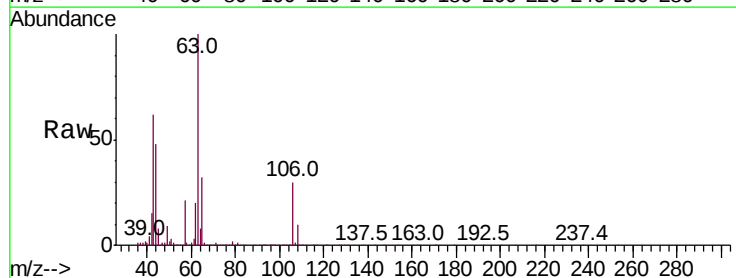
Acq: 20 Dec 2018 14:27

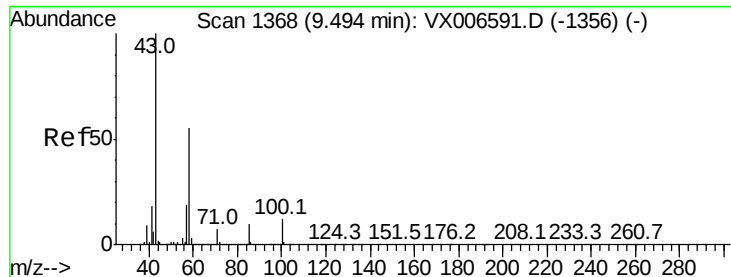
Tgt Ion: 63 Resp: 451135

Ion Ratio Lower Upper

63 100

106 31.1 24.6 36.8





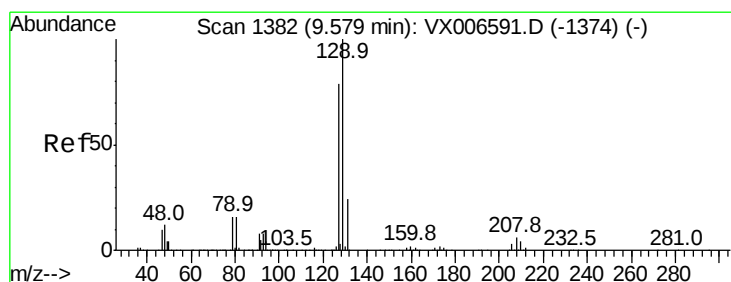
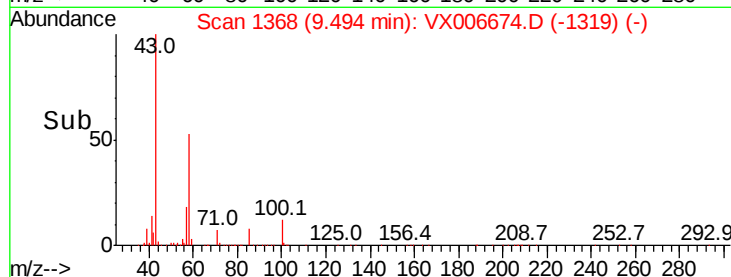
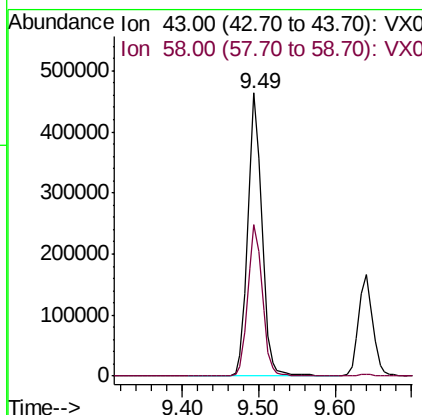
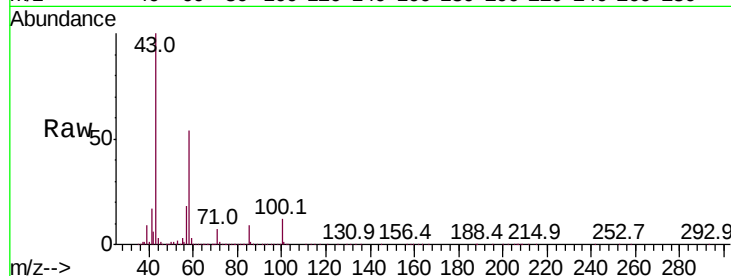
#59
2-Hexanone
Concen: 107.791 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion: 43 Resp: 598949
Ion Ratio Lower Upper
43 100
58 54.5 27.7 83.1

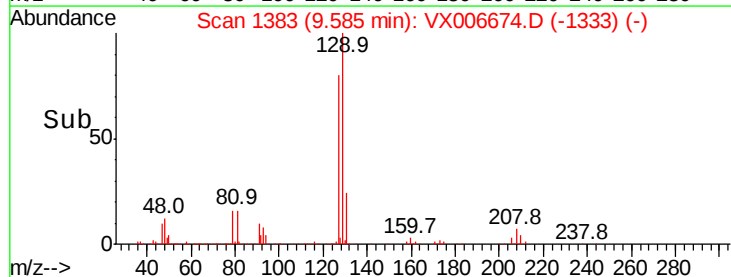
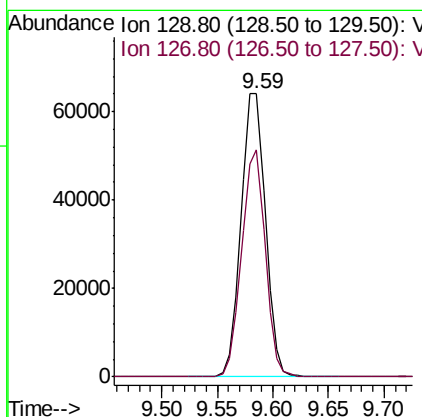
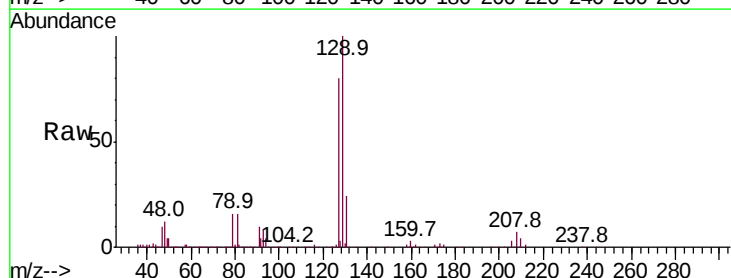
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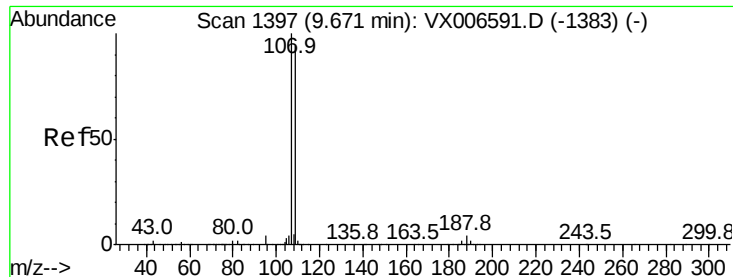
MMDadoda
12/21/2018 10:18:59 AM



#60
Dibromochloromethane
Concen: 17.696 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion: 129 Resp: 97683
Ion Ratio Lower Upper
129 100
127 77.6 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.343 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 107 Resp: 125283

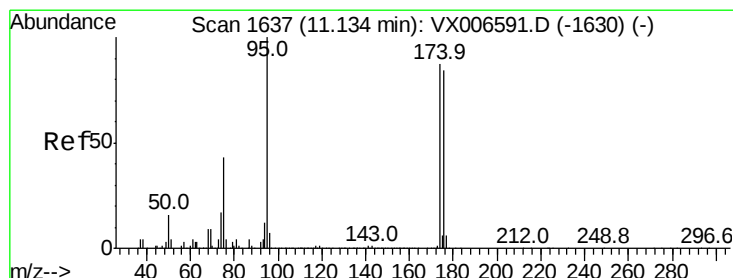
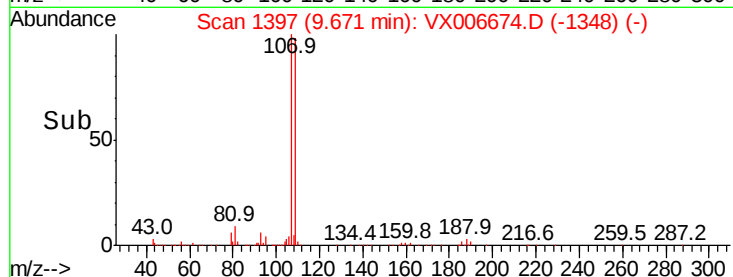
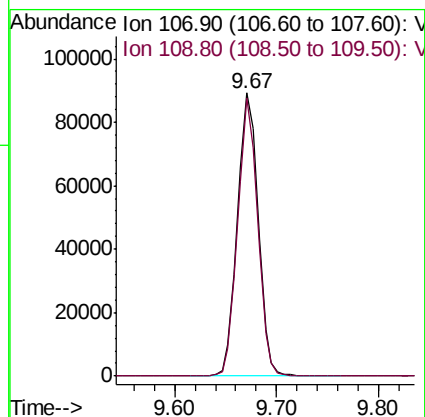
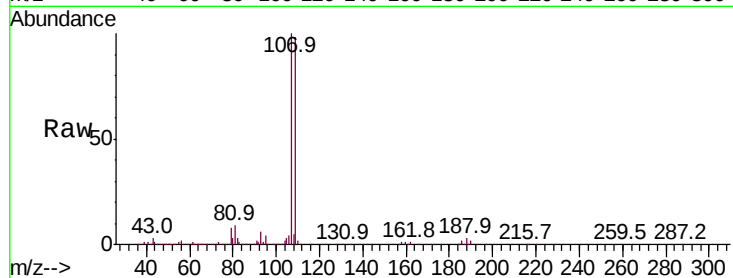
Ion Ratio Lower Upper

107 100

109 94.2 75.8 113.6

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12/21/2018 10:18:59 AM



#62

4-Bromofluorobenzene

Concen: 52.413 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

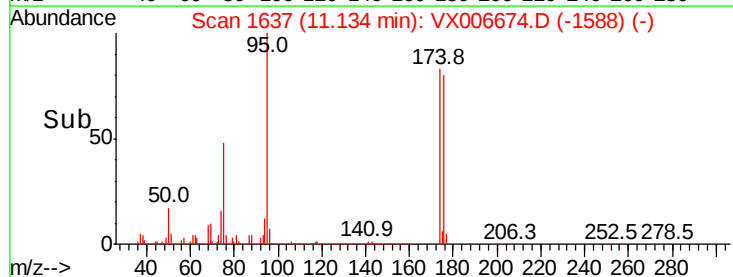
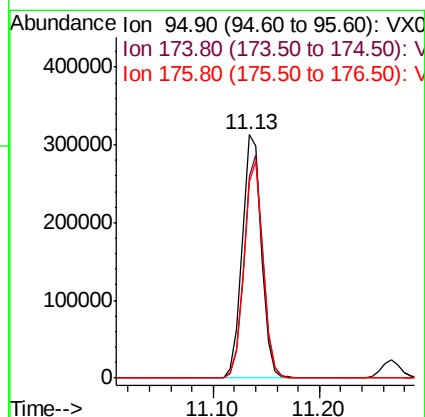
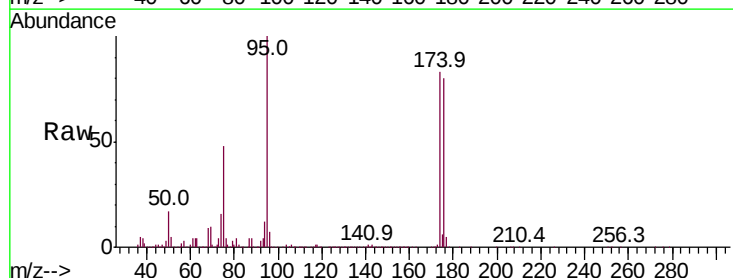
Tgt Ion: 95 Resp: 398249

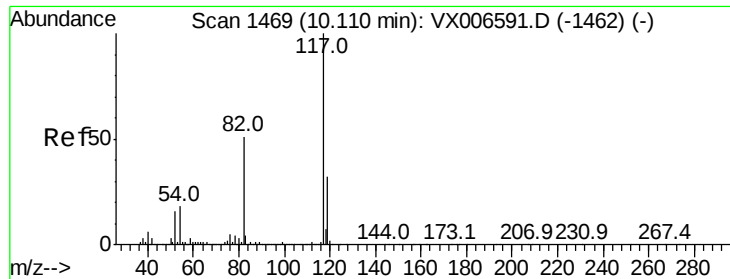
Ion Ratio Lower Upper

95 100

174 89.2 0.0 182.2

176 86.8 0.0 178.8





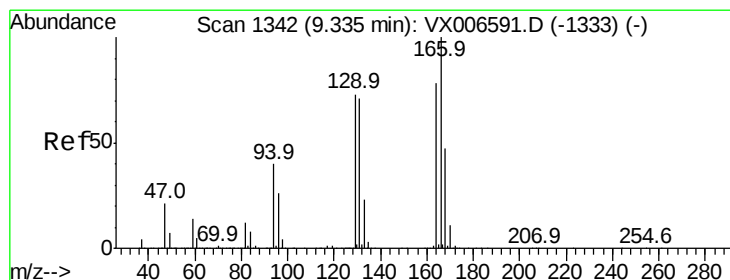
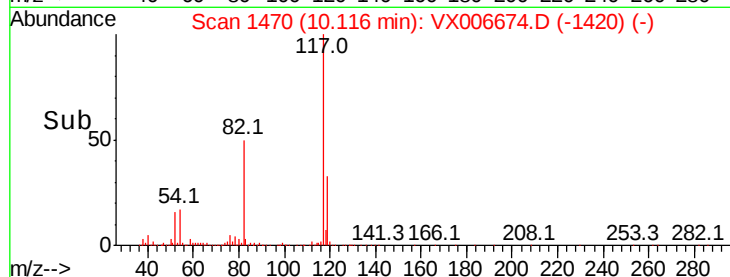
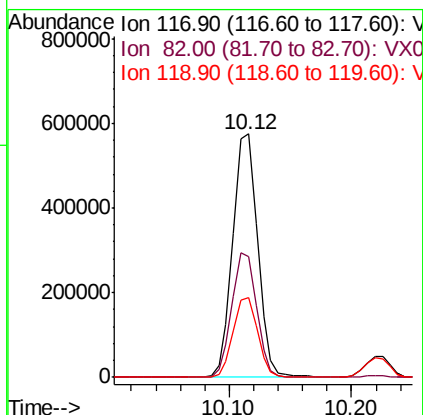
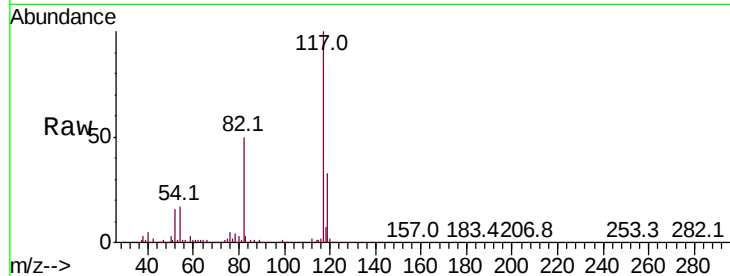
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	808527		
82	49.7		41.0	61.6
119	32.6		25.4	38.0

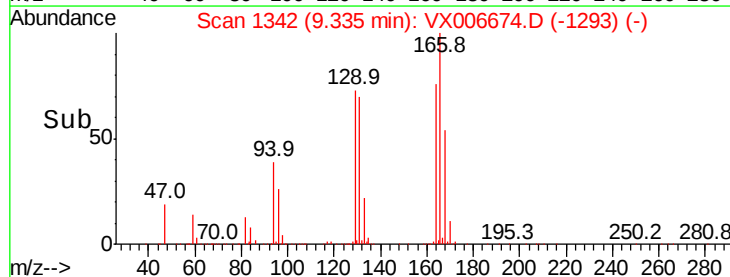
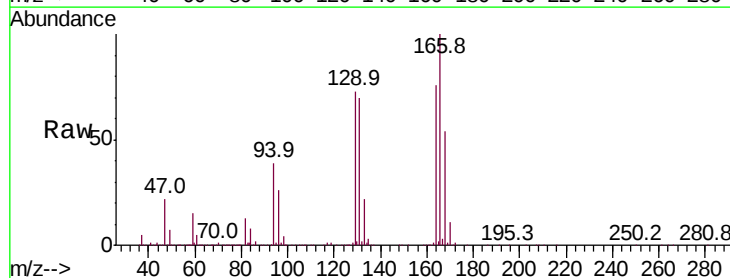
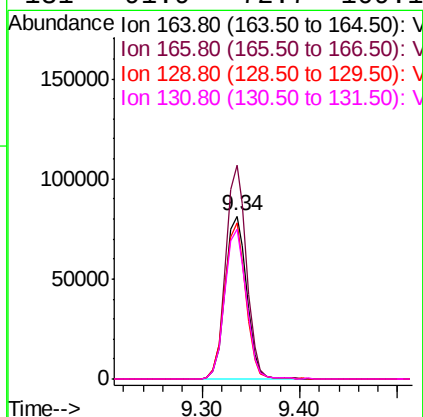
Manual Integrations
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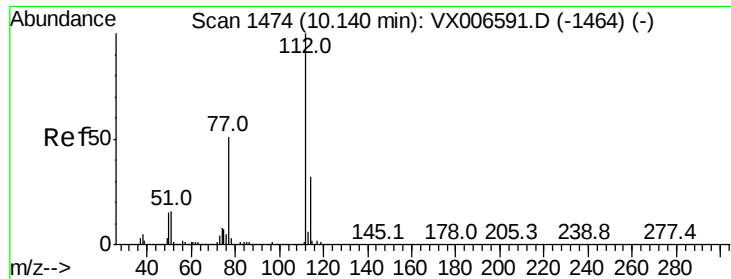
MMDadoda
12/21/2018 10:18:59 AM



#64
Tetrachloroethene
Concen: 19.458 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	124579		
166	131.2		102.5	153.7
129	96.2		75.1	112.7
131	91.9		72.7	109.1





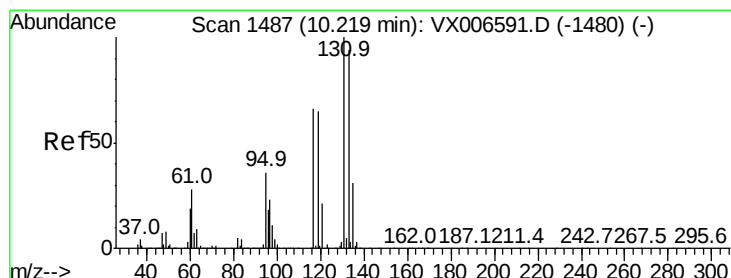
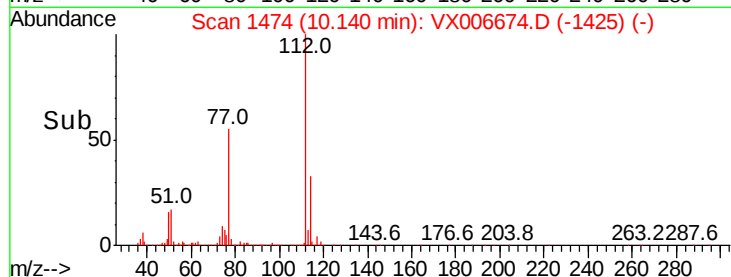
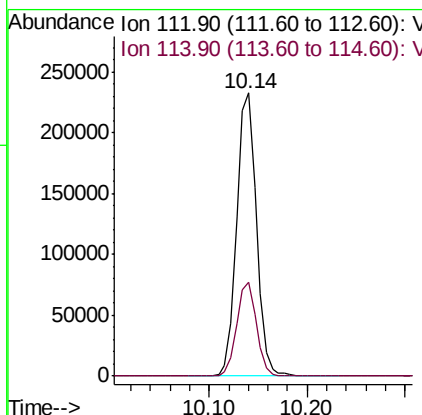
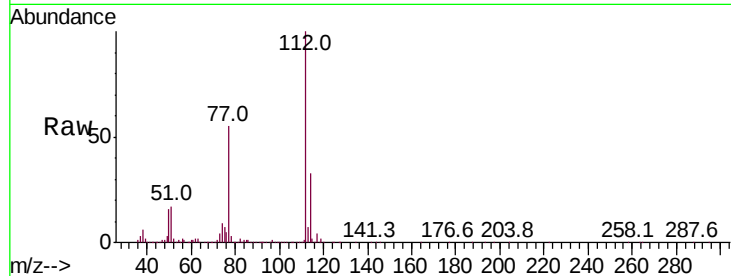
#65
Chlorobenzene
Concen: 19.111 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.7	38.5

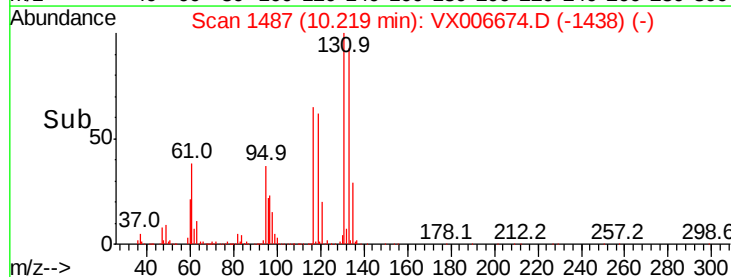
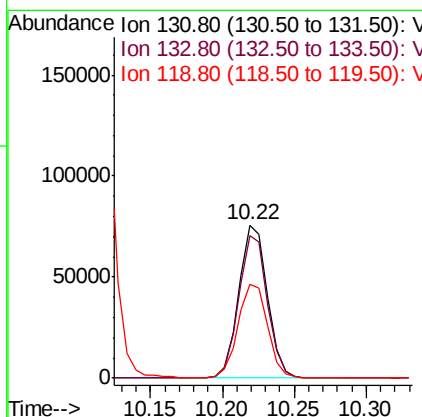
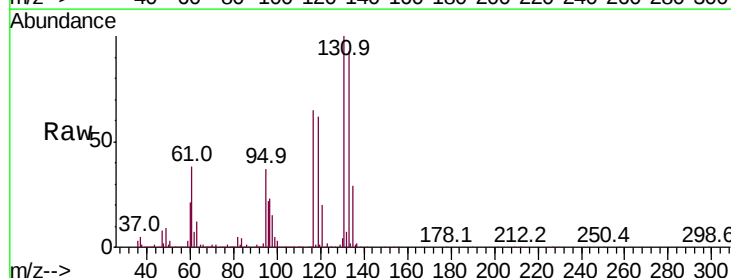
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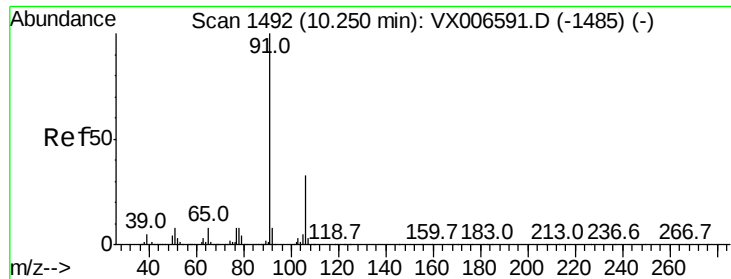
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.586 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.0	144.2
119	64.2	32.6	97.8





#67

Ethyl Benzene

Concen: 19.688 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 91 Resp: 550290

Ion Ratio Lower Upper

91 100

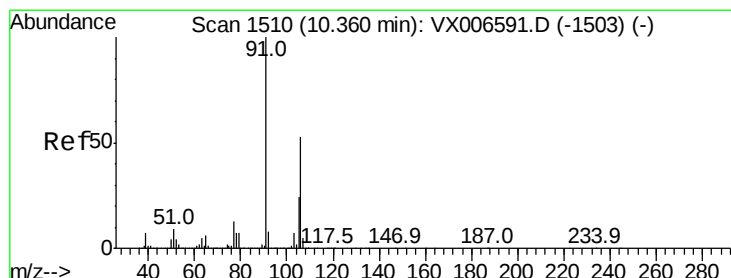
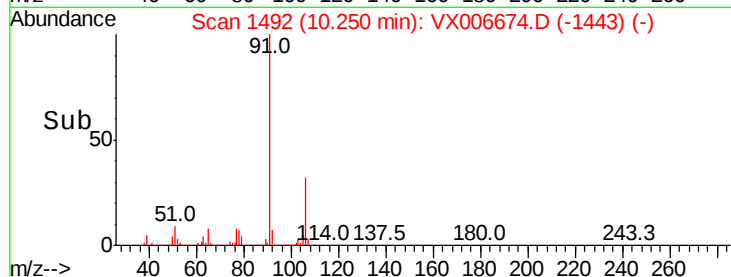
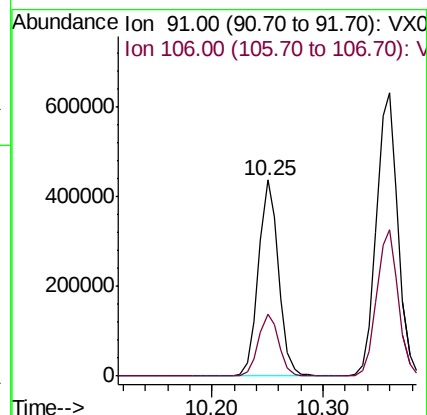
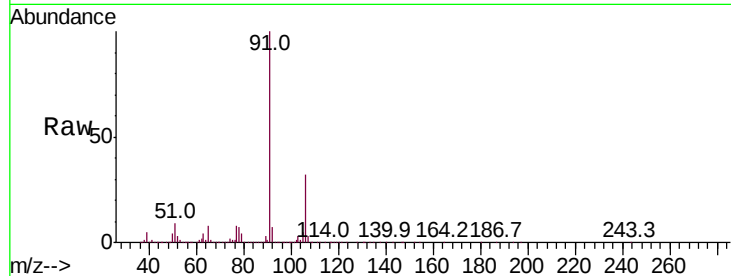
106 31.8 26.4 39.6

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#68

m/p-Xylenes

Concen: 39.866 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006674.D

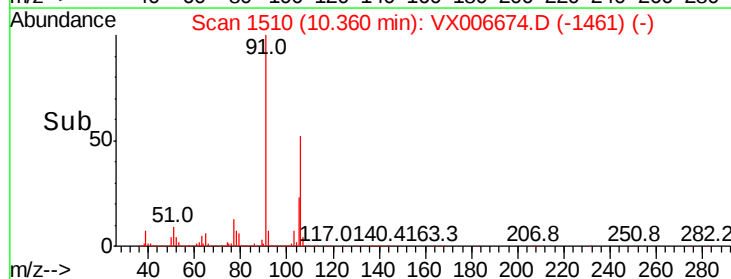
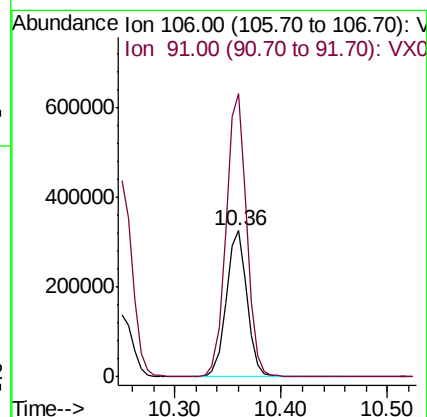
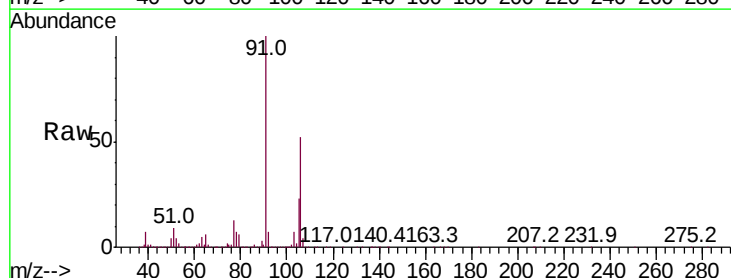
Acq: 20 Dec 2018 14:27

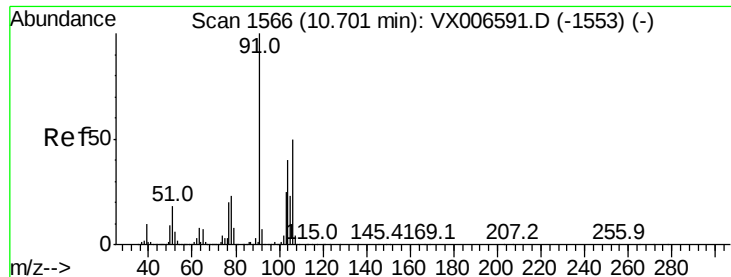
Tgt Ion: 106 Resp: 439699

Ion Ratio Lower Upper

106 100

91 193.1 155.8 233.6





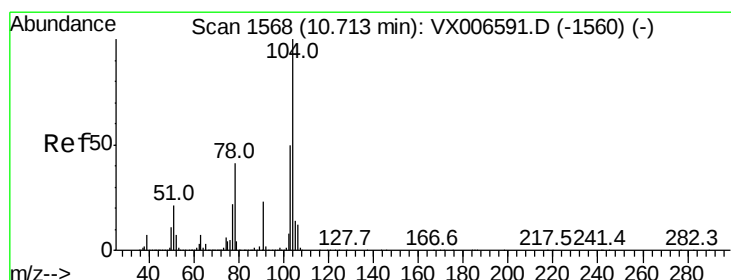
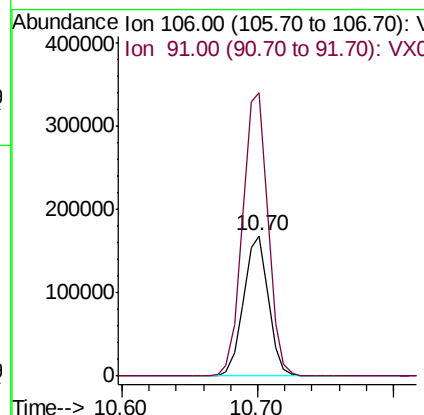
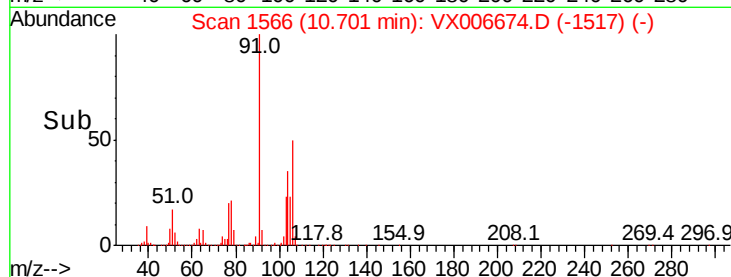
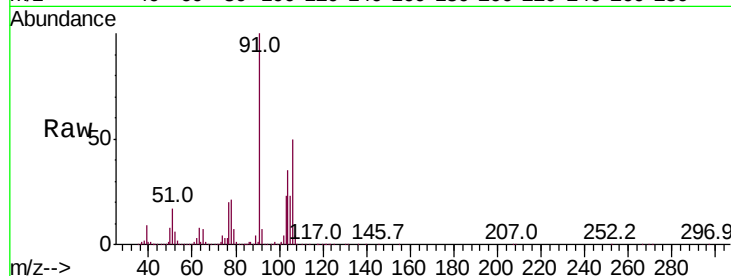
#69
o-Xylene
Concen: 19.670 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.6	101.3	303.7

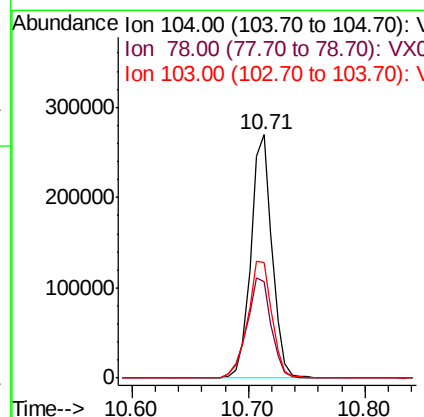
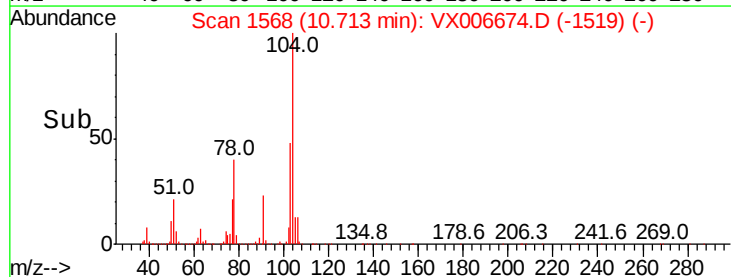
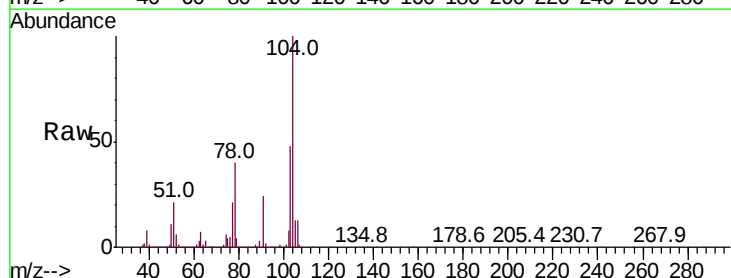
Manual Integrations
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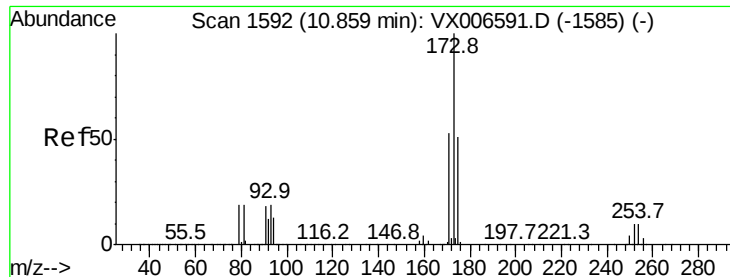
MMDadoda
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#70
Styrene
Concen: 19.886 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	37.7	56.5
103	55.1	43.8	65.8





#71

Bromoform

Concen: 17.485 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion:173 Resp: 68842

Ion Ratio Lower Upper

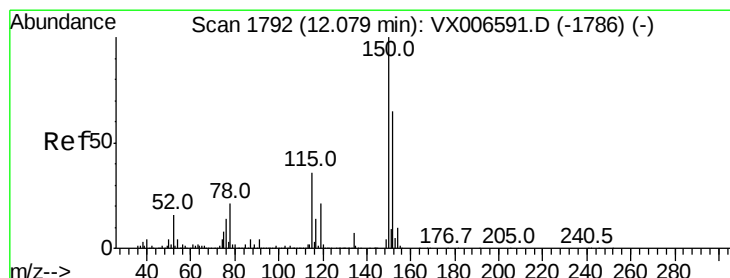
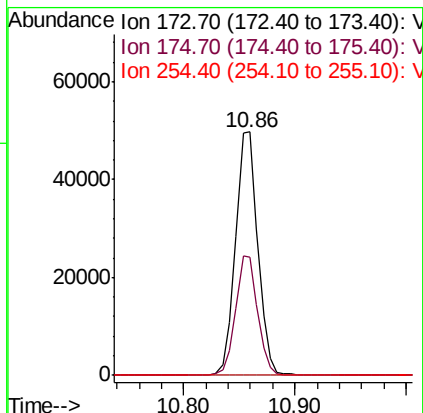
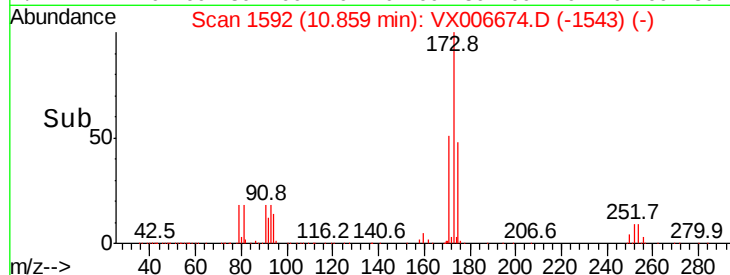
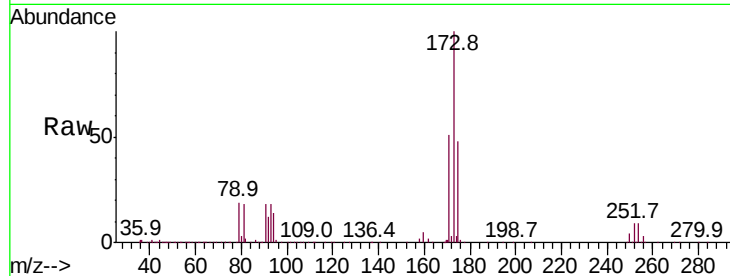
173 100

175 48.7 24.7 74.1

254 0.2 0.2 0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

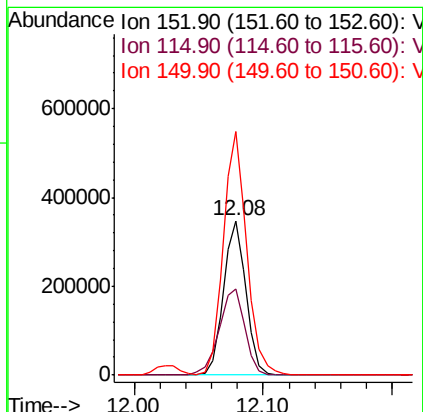
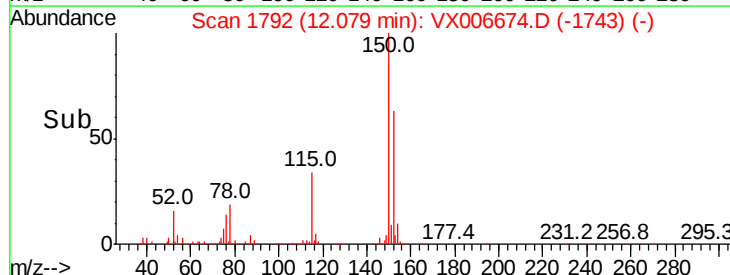
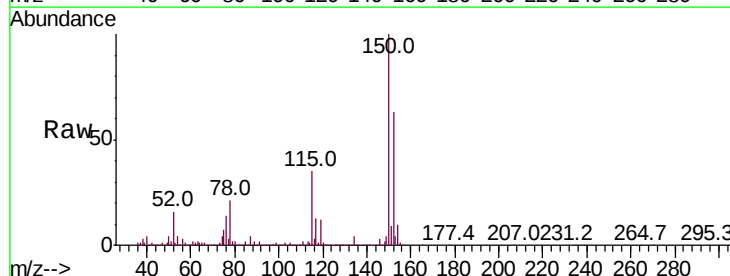
Tgt Ion:152 Resp: 423698

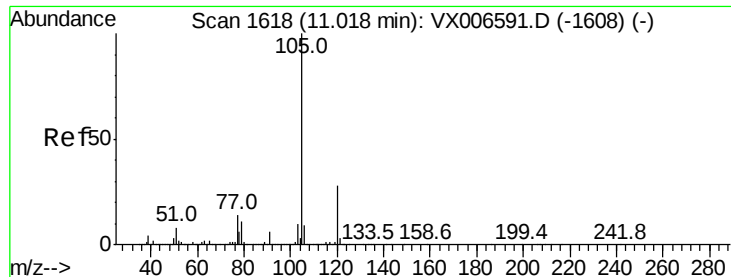
Ion Ratio Lower Upper

152 100

115 64.1 39.1 117.2

150 164.9 0.0 344.8





#73

Isopropylbenzene

Concen: 19.739 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 105 Resp: 572141

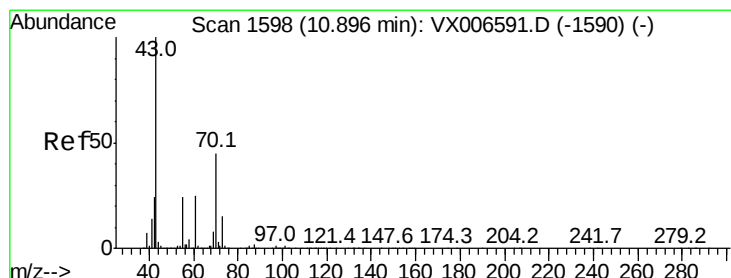
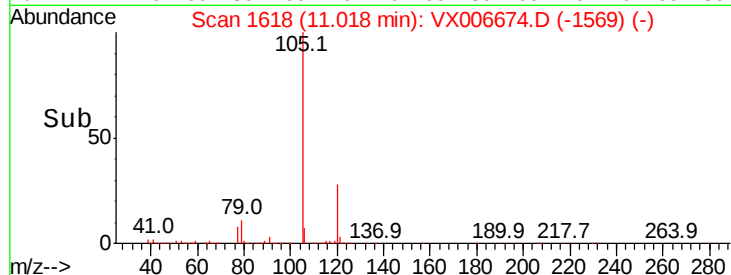
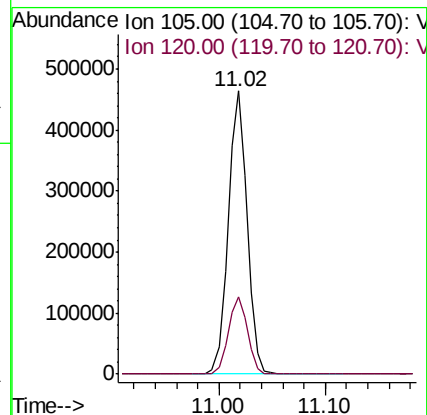
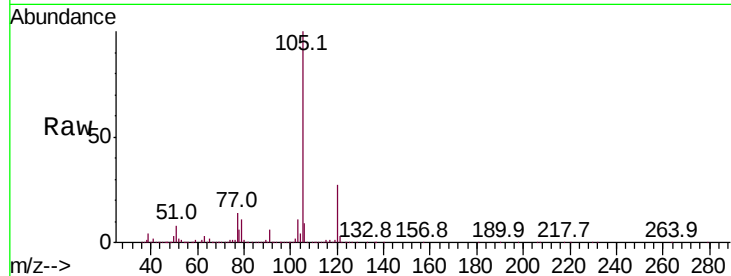
Ion Ratio Lower Upper

105 100

120 27.8 14.1 42.4

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#74

N-ethyl acetate

Concen: 20.074 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion: 43 Resp: 208273

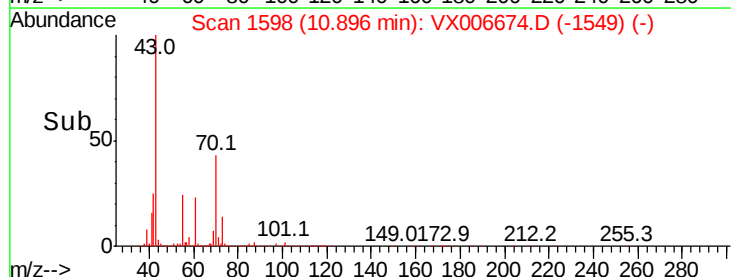
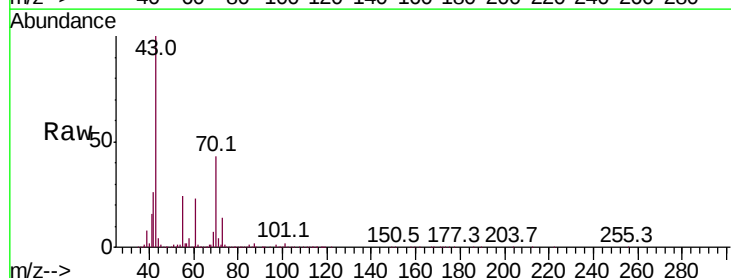
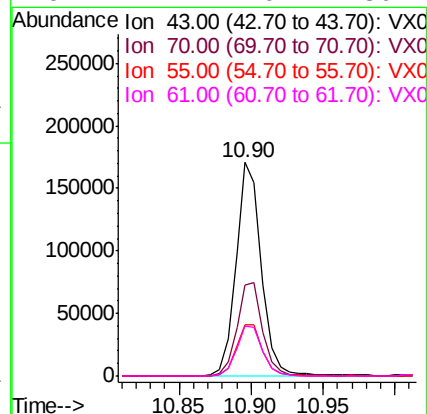
Ion Ratio Lower Upper

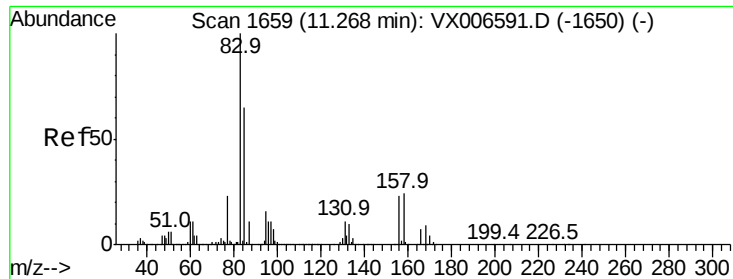
43 100

70 44.9 35.8 53.8

55 25.4 19.4 29.0

61 24.2 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.782 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

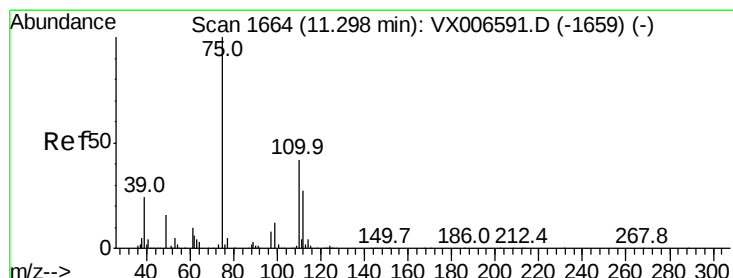
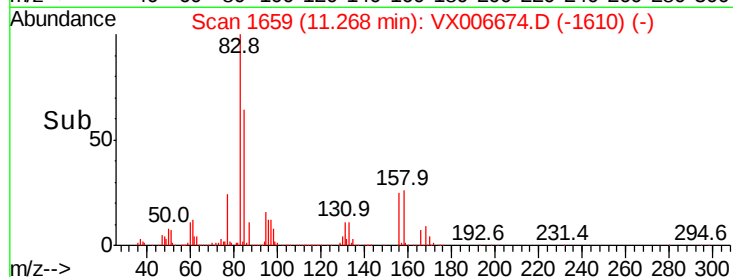
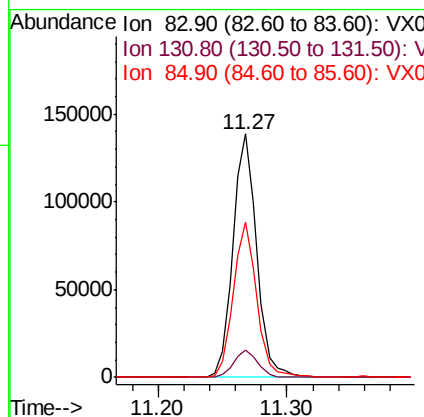
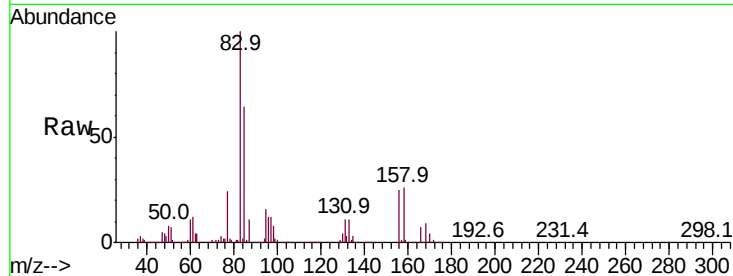
ClientSampleId :

VX1220WBSD01

Tot Ion:	83	Resp:	179152
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	62.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.415 ug/l m

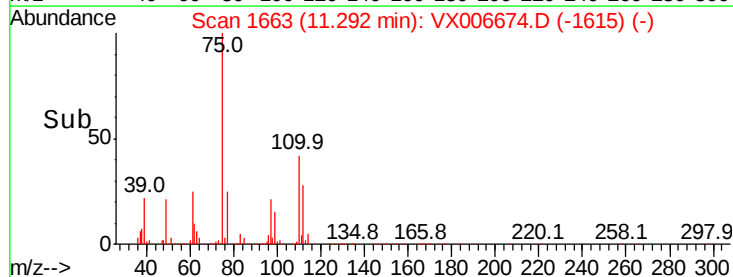
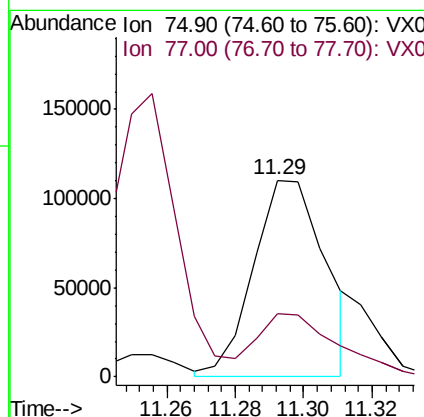
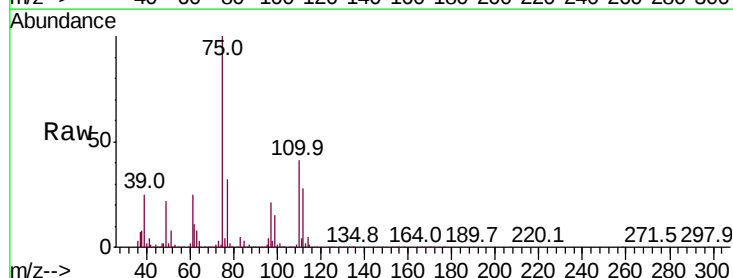
RT: 11.29 min Scan# 1663

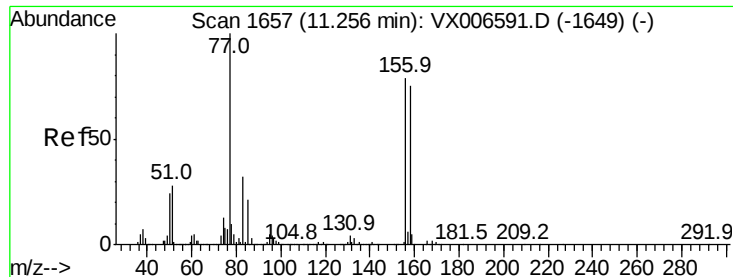
Delta R.T. -0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	75	Resp:	160747
Ion Ratio	Lower	Upper	
75	100		
77	35.6	18.5	55.5





#77

Bromobenzene

Concen: 19.413 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

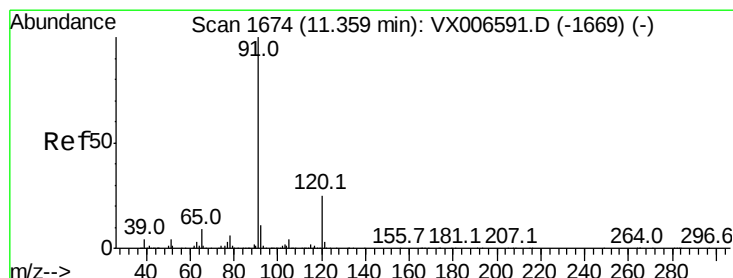
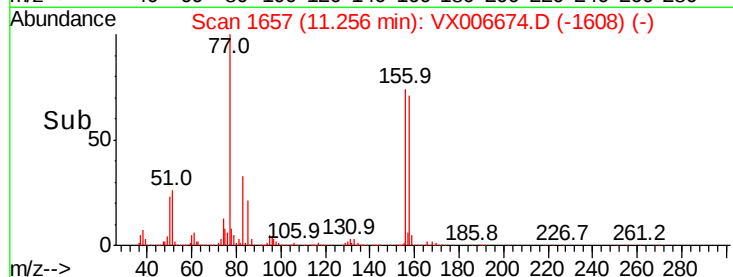
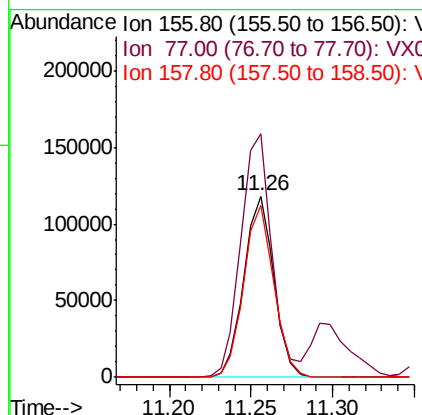
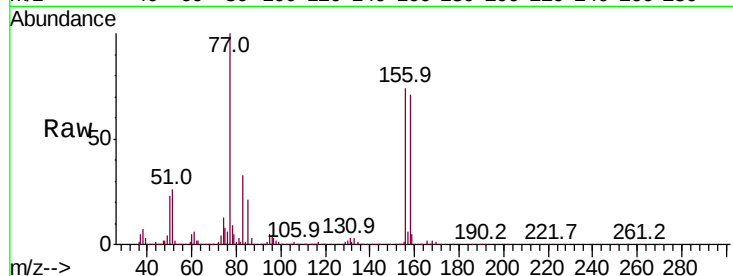
ClientSampleId :

VX1220WBSD01

Tot Ion:	156	Resp:	152131
Ion Ratio	Lower	Upper	
156	100		
77	139.8	68.0	204.0
158	96.1	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.774 ug/l

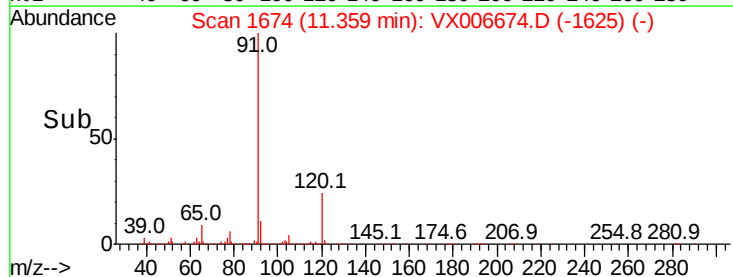
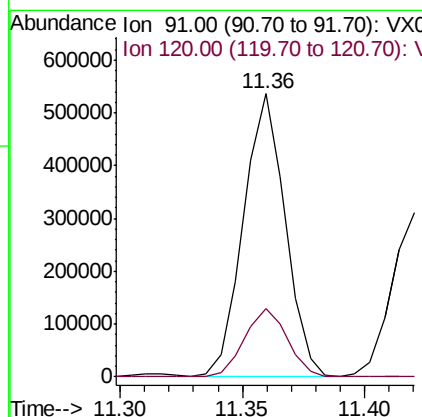
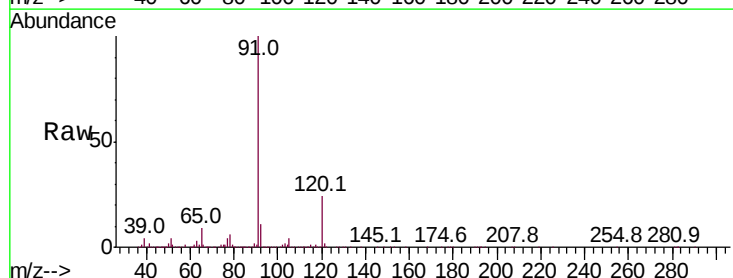
RT: 11.36 min Scan# 1674

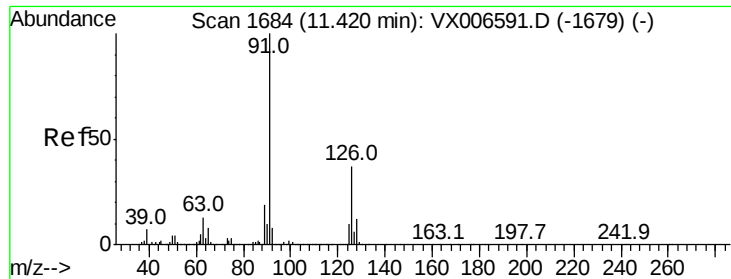
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	91	Resp:	631174
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.438 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion: 91 Resp: 376000

Ion Ratio Lower Upper

91 100

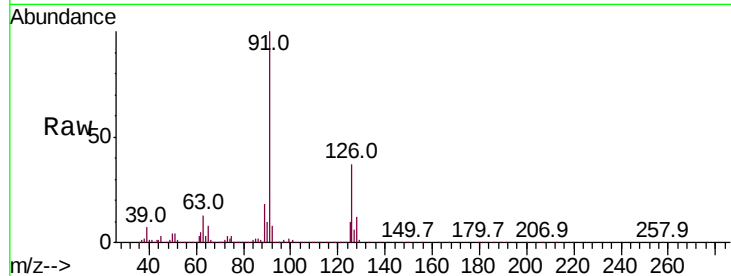
126 37.7 18.6 56.0

Manual Integrations

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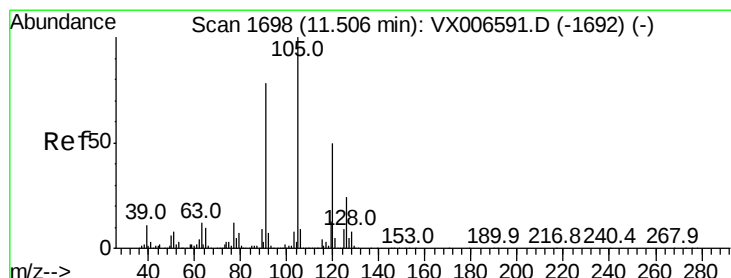
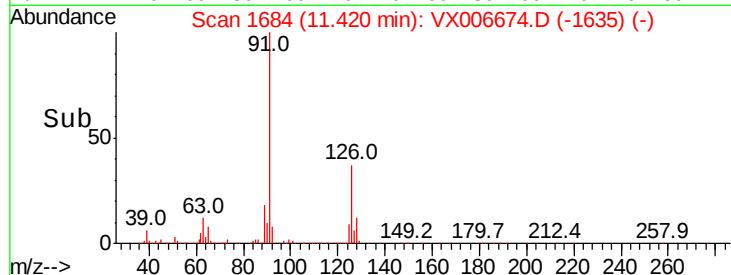
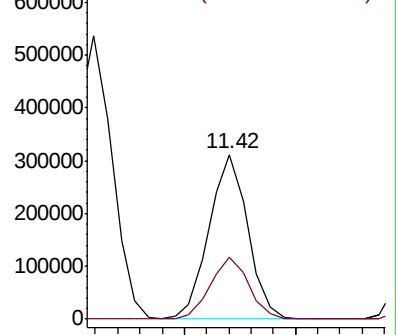
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.708 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006674.D

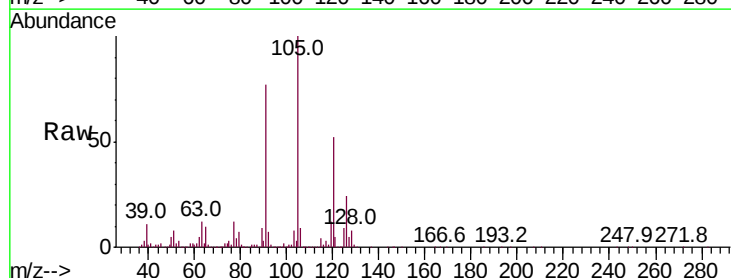
Acq: 20 Dec 2018 14:27

Tgt Ion:105 Resp: 470530

Ion Ratio Lower Upper

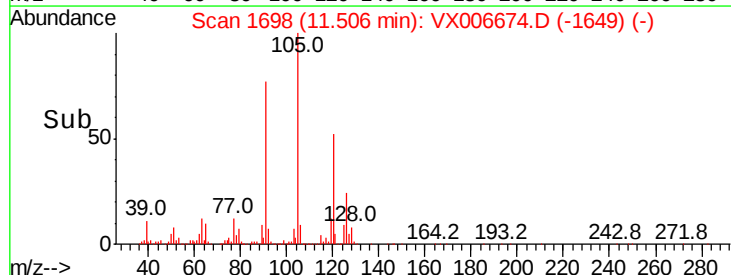
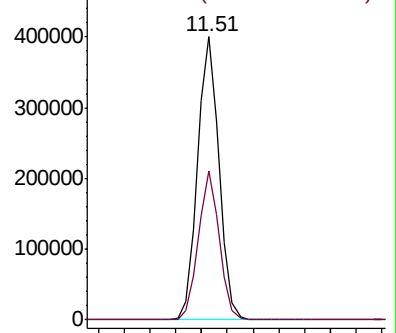
105 100

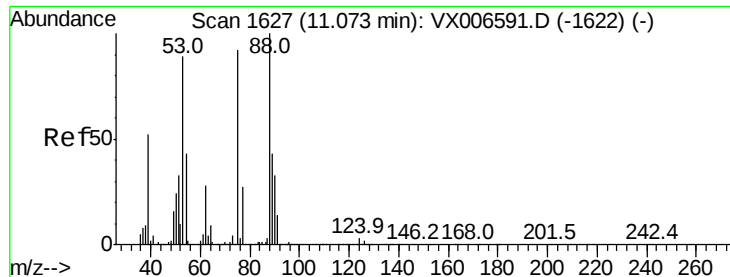
120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





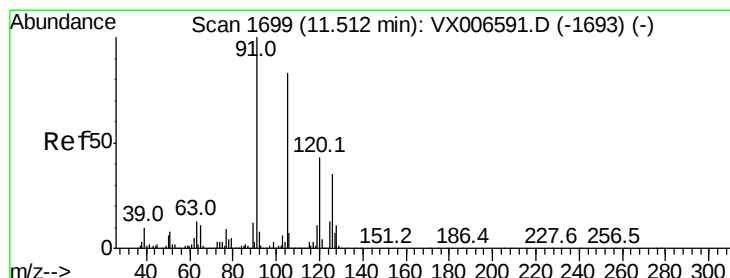
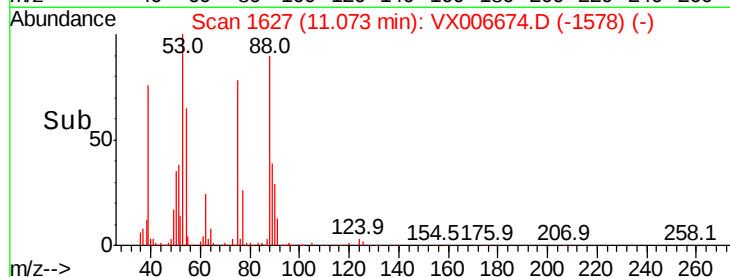
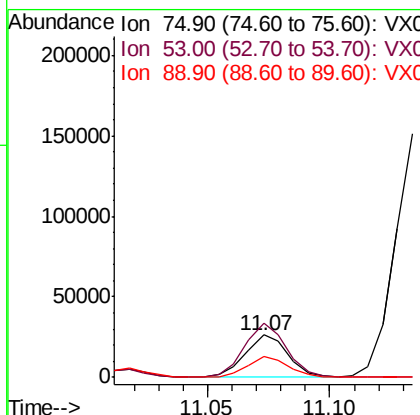
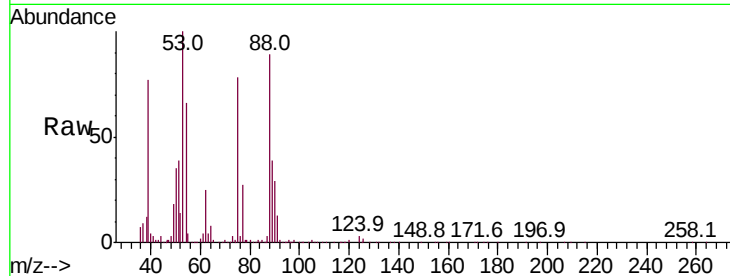
#81
trans-1,4-Dichloro-2-butene
Concen: 15.732 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.8	79.7	119.5#
89	46.9	38.0	57.0

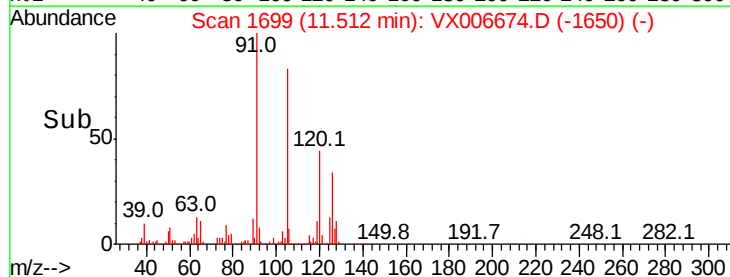
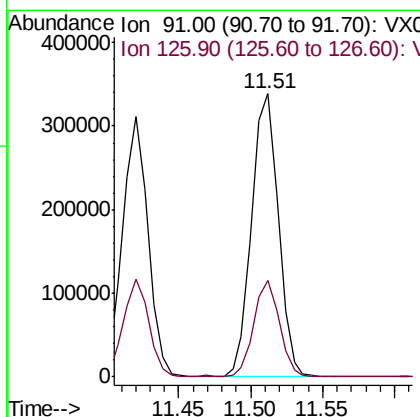
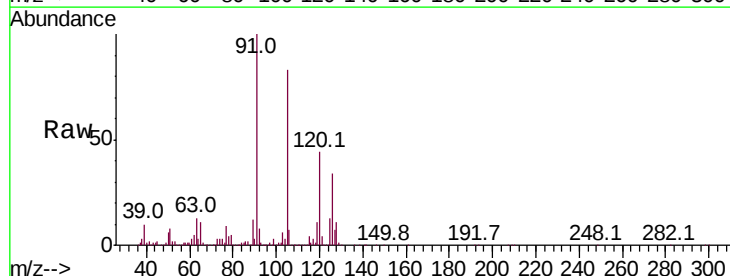
Manual Integrations
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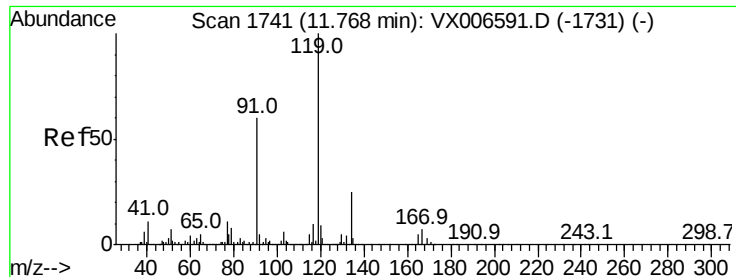
MMDadoda
12/21/2018 10:18:59 AM



#82
4-Chlorotoluene
Concen: 19.542 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.9





#83

tert-Butylbenzene

Concen: 19.932 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

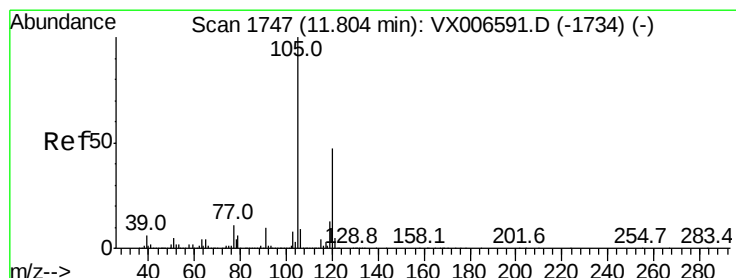
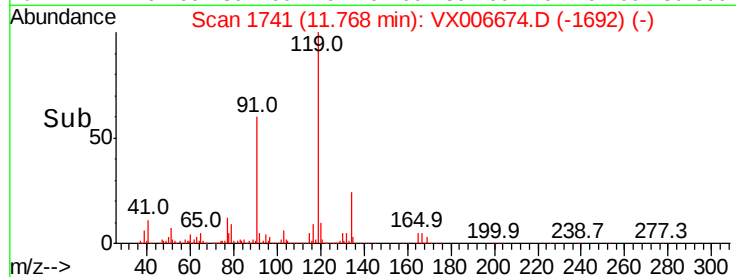
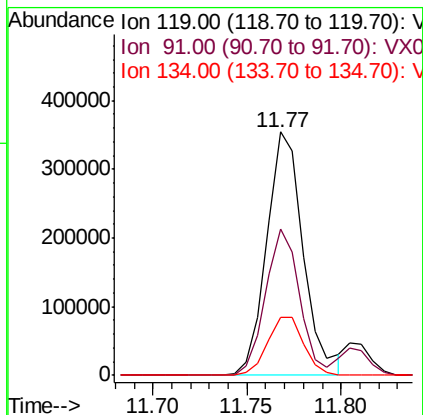
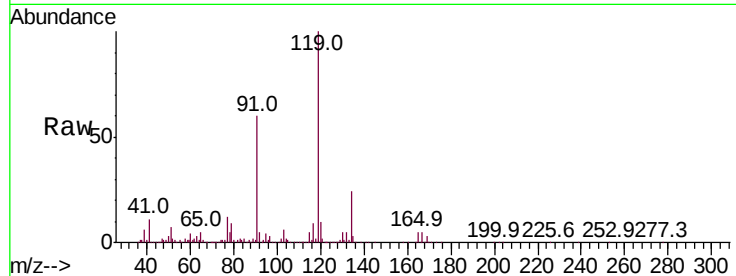
ClientSampleId :

VX1220WBSD01

Tot Ion:	119	Resp:	476273
Ion Ratio	Lower	Upper	
119	100		
91	56.0	27.7	83.1
134	23.9	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.274 ug/l

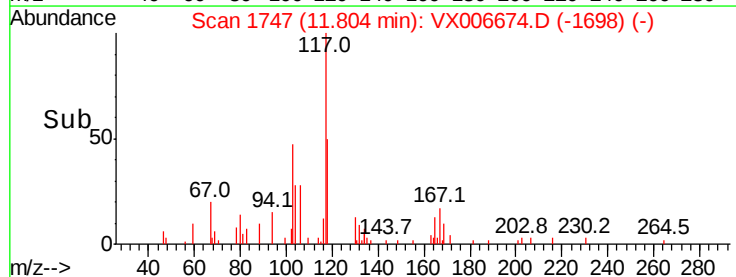
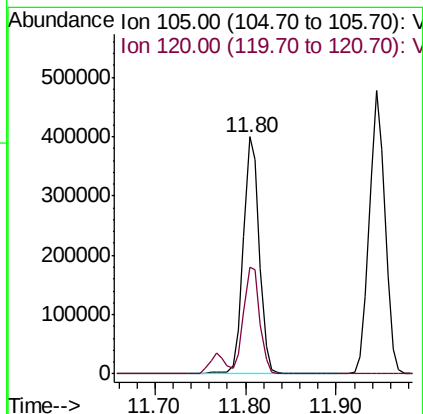
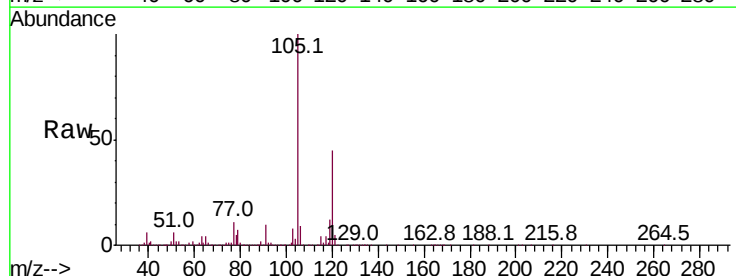
RT: 11.80 min Scan# 1747

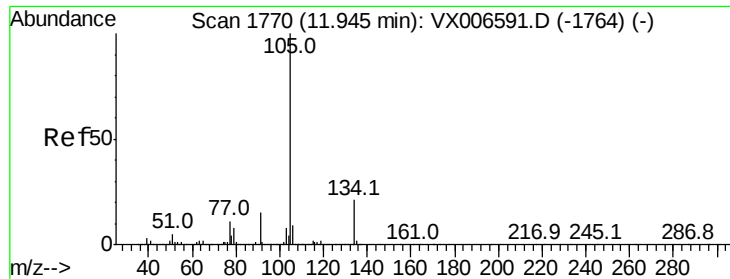
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	105	Resp:	484014
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.608 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD01

Tot Ion:105 Resp: 574432

Ion Ratio Lower Upper

105 100

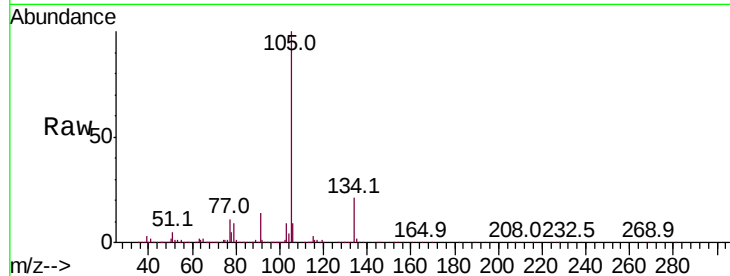
134 21.2 10.7 31.9

Manual Integrations

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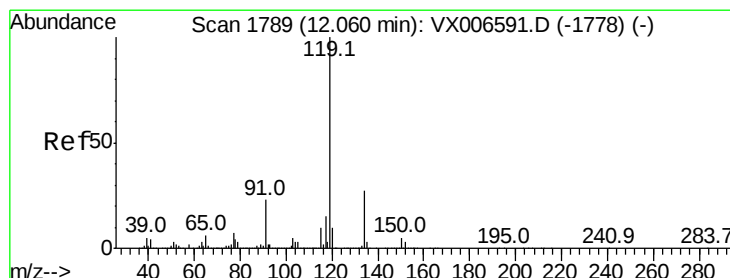
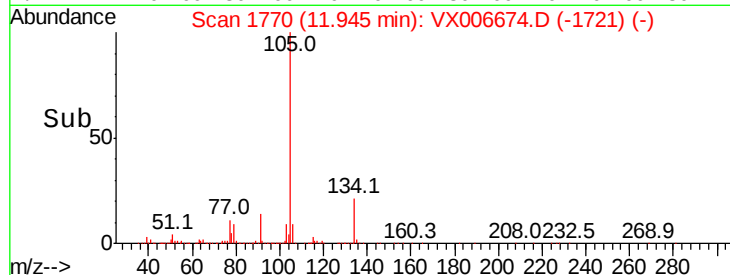
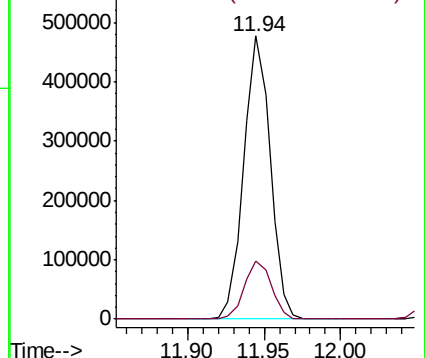
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.823 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

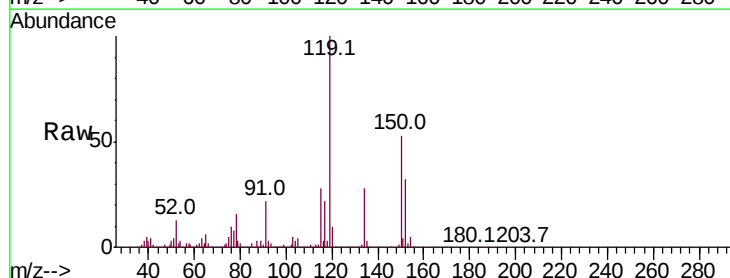
Tgt Ion:119 Resp: 510488

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

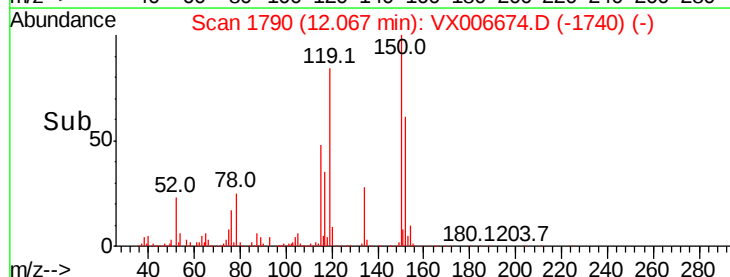
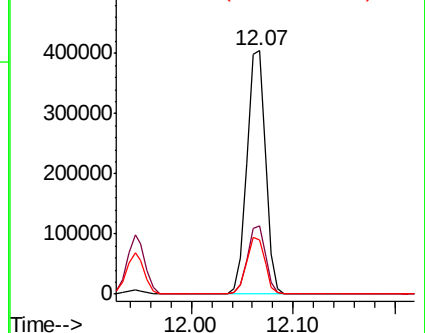
91 22.9 11.3 33.9

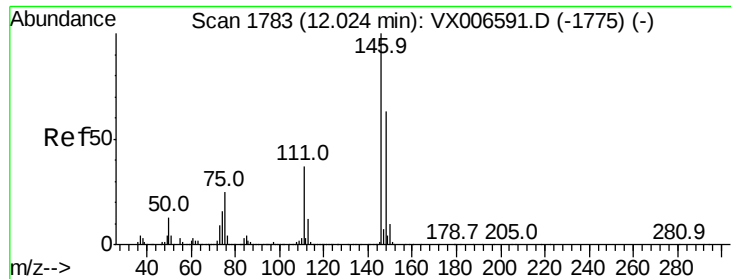


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.756 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

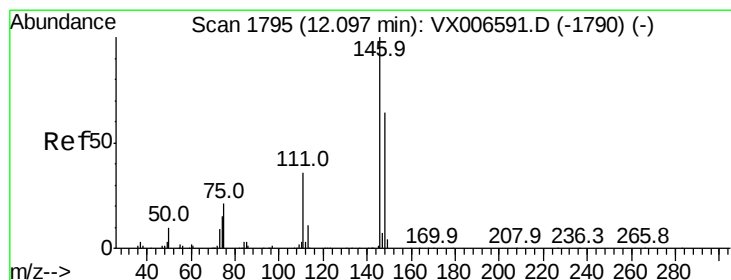
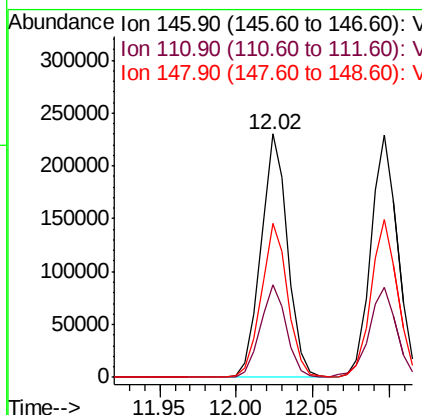
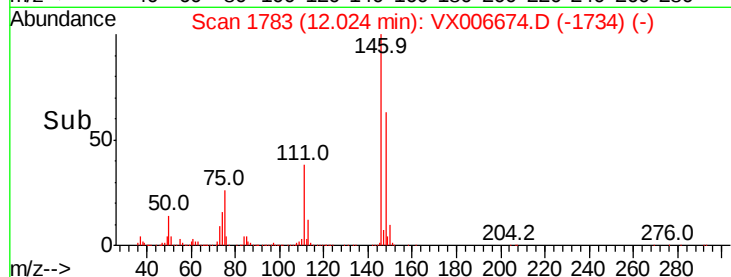
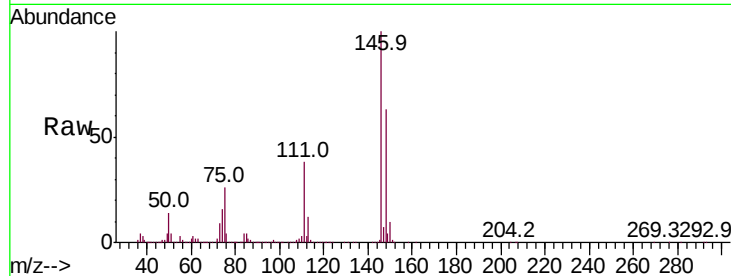
ClientSampleId :

VX1220WBSD01

Tot Ion:	146	Resp:	279025
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.6	55.8
148	62.8	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.132 ug/l

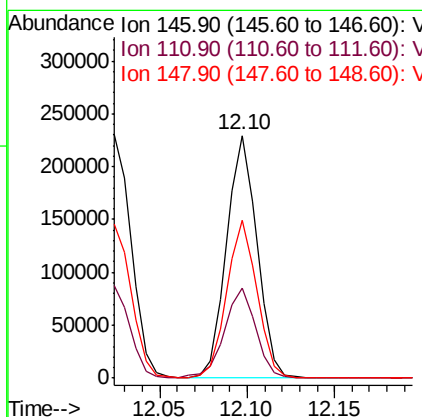
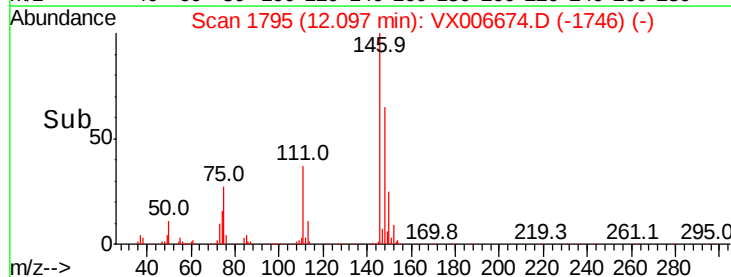
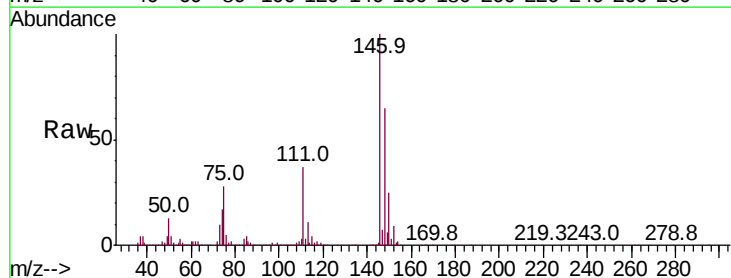
RT: 12.10 min Scan# 1795

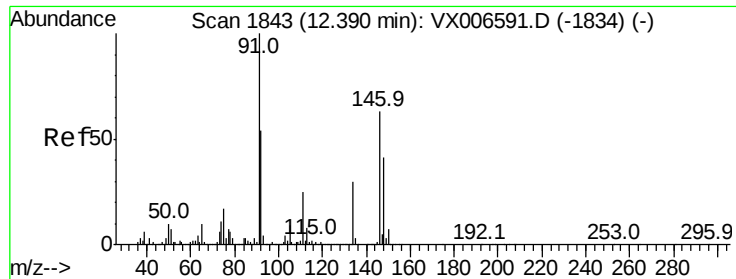
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	146	Resp:	276999
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.1	54.1
148	65.2	31.9	95.9





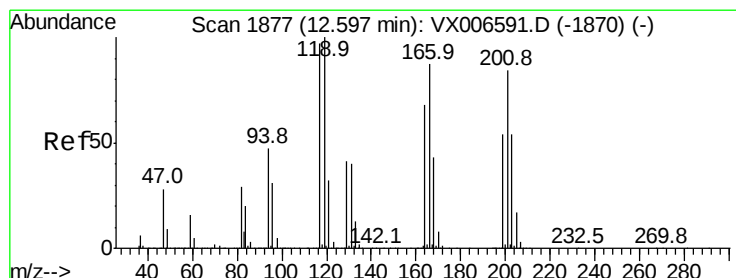
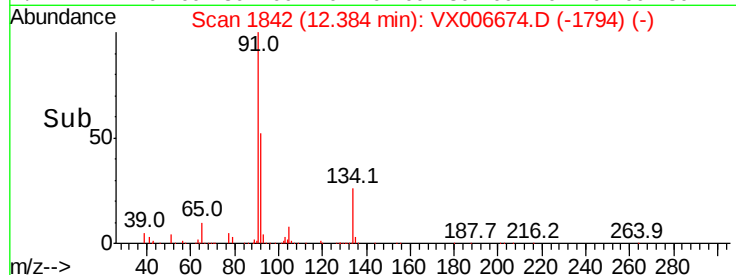
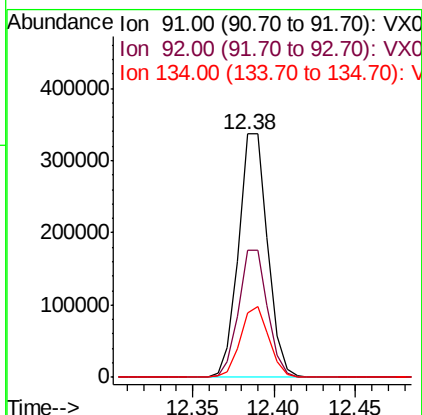
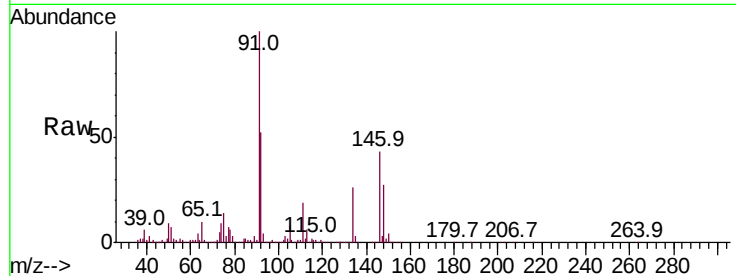
#89
n-Butylbenzene
Concen: 19.081 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.8	80.4
134	28.7	14.4	43.2

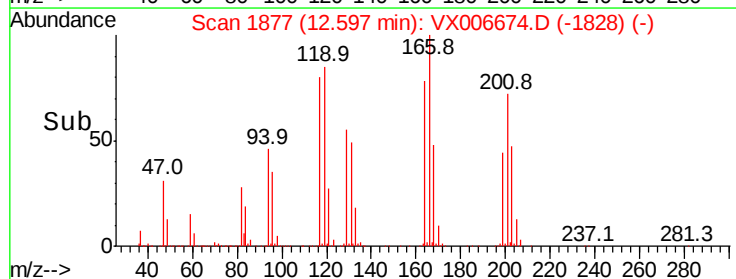
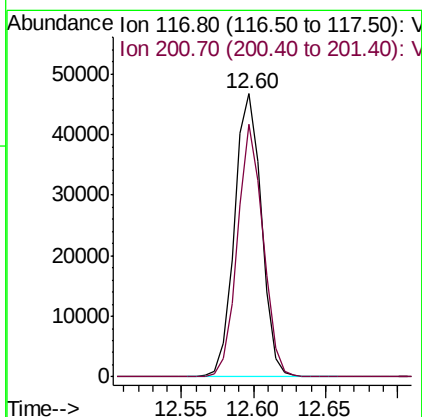
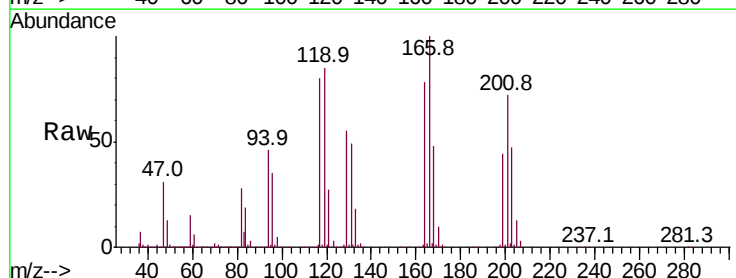
Manual Integrations
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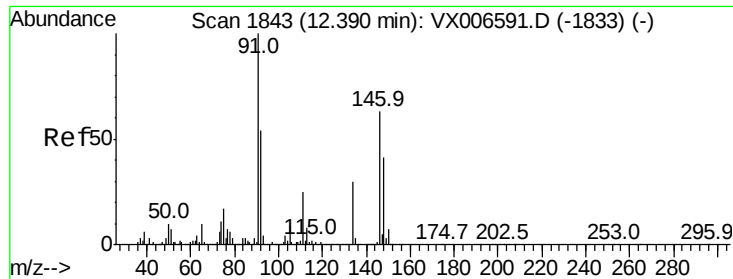
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12/21/2018 10:18:59 AM



#90
Hexachloroethane
Concen: 17.482 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 19.765 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Instrument :

MSVOA_X

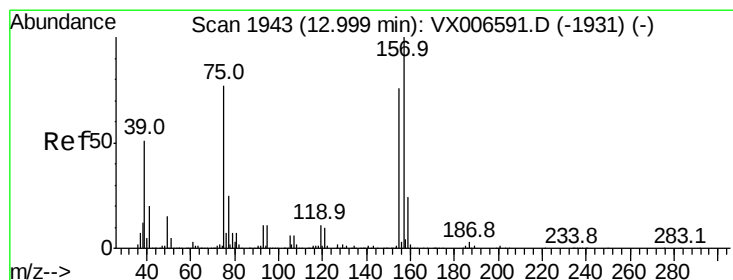
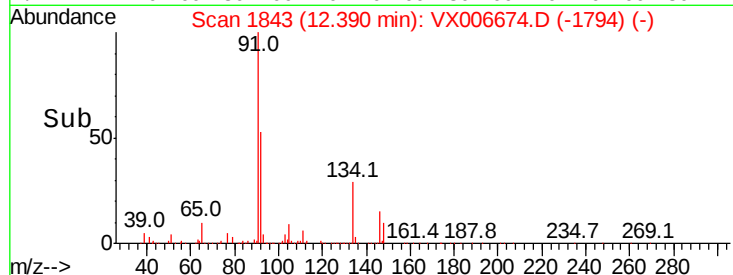
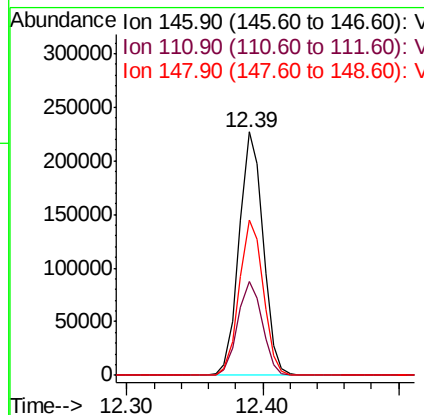
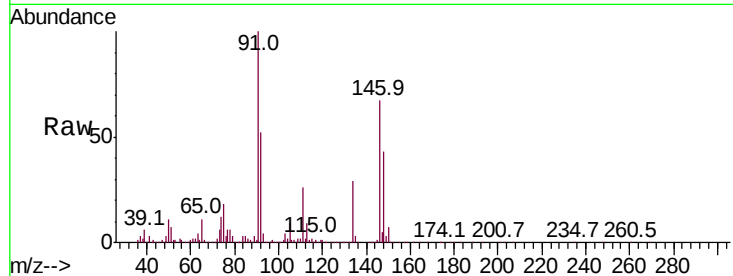
ClientSampleId :

VX1220WBSD01

Tot Ion:	146	Resp:	279247
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.4	58.2
148	63.9	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.676 ug/l

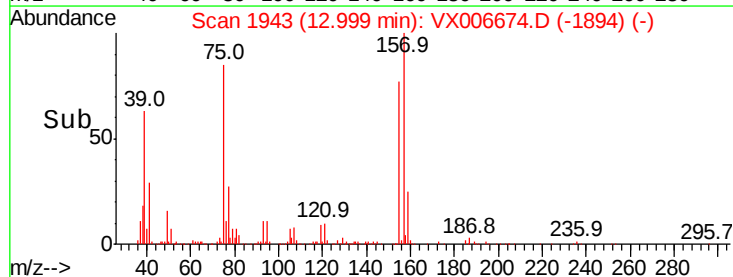
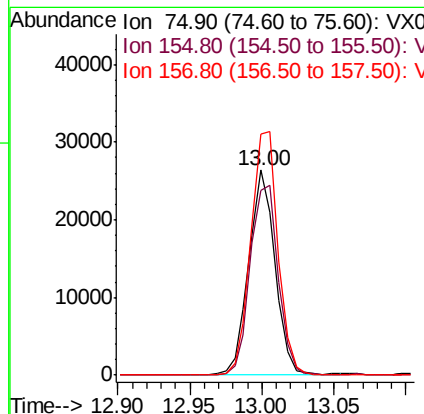
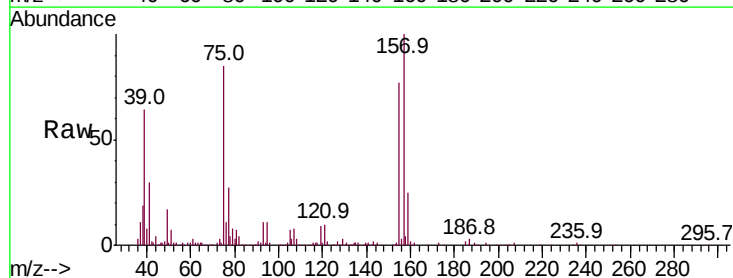
RT: 13.00 min Scan# 1943

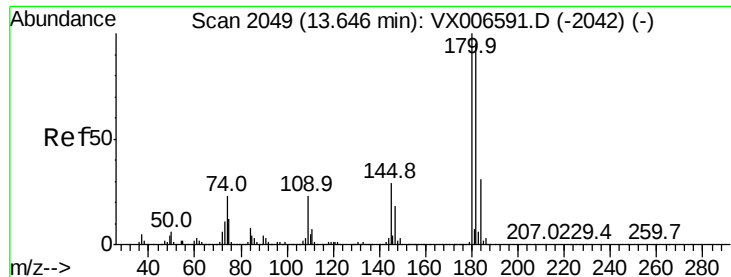
Delta R.T. 0.00 min

Lab File: VX006674.D

Acq: 20 Dec 2018 14:27

Tgt Ion:	75	Resp:	33313
Ion Ratio	Lower	Upper	
75	100		
155	97.9	50.6	151.8
157	122.3	64.6	193.8





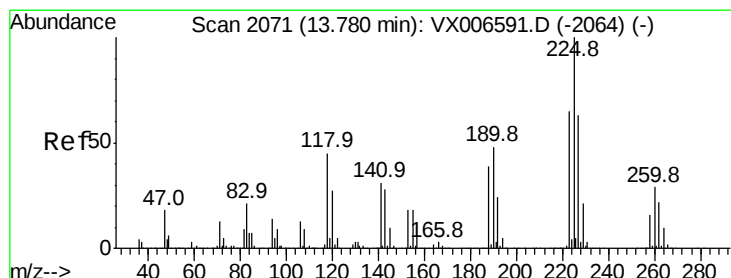
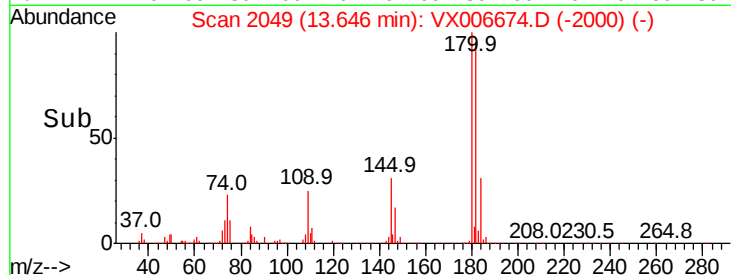
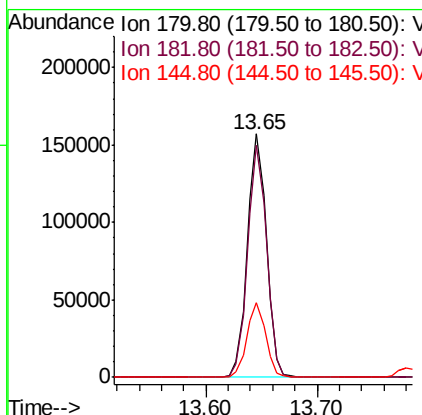
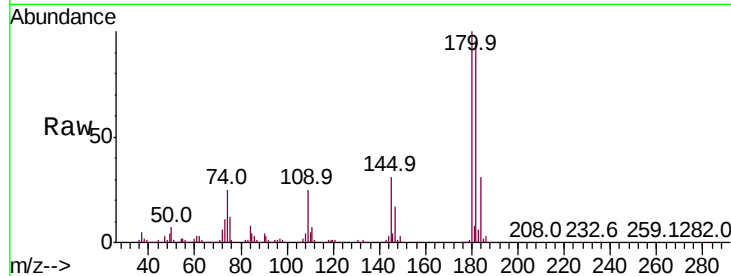
#93
 1,2,4-Trichlorobenzene
 Concen: 19.088 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.3	142.0	
145	30.3	14.8	44.3	

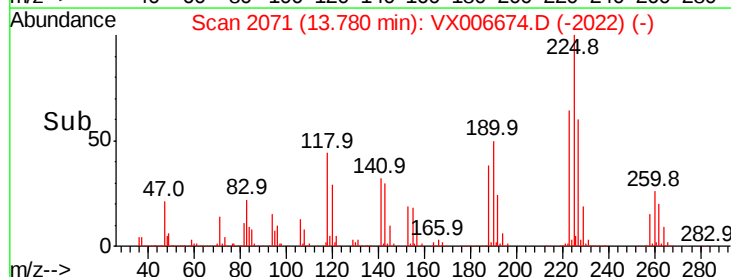
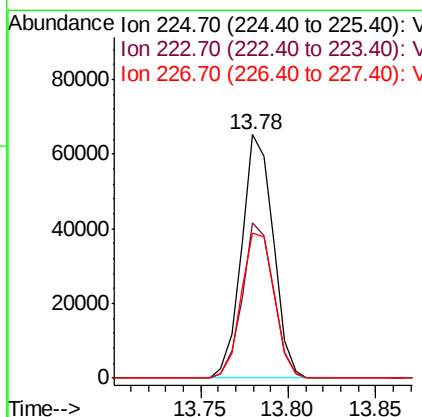
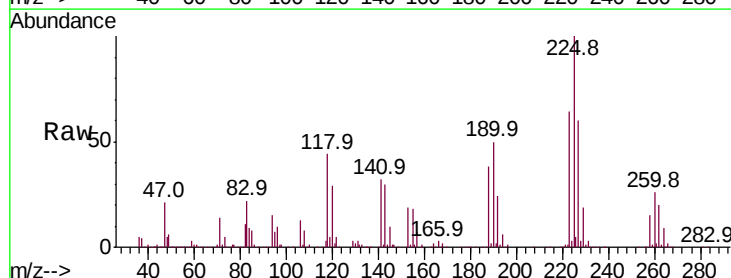
Manual Integrations
 APPROVED

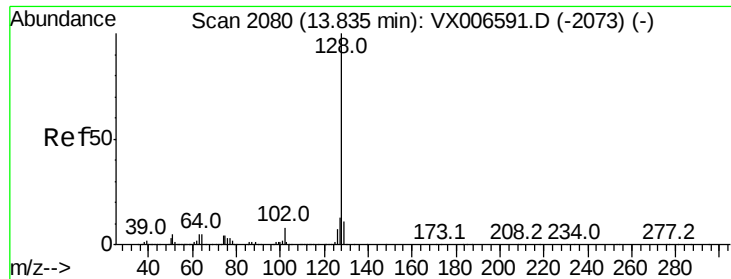
MMDadoda
 12/21/2018 10:18:59 AM



#94
 Hexachlorobutadiene
 Concen: 17.801 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX006674.D
 Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	32.1	96.3	
227	62.4	32.3	96.8	





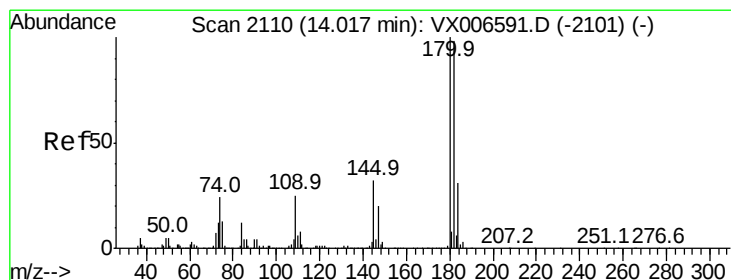
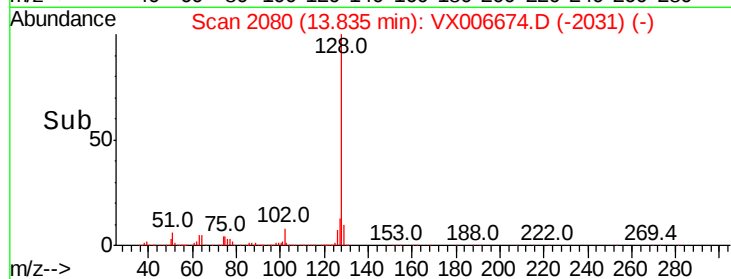
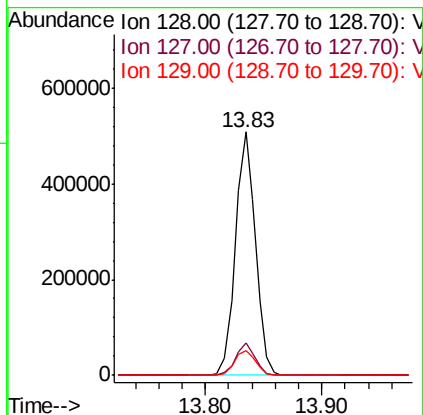
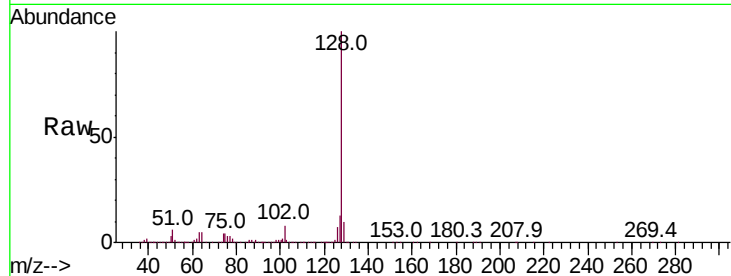
#95
Naphthalene
Concen: 19.573 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	608808		
127	12.8		10.1	15.1
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:18:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.871 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006674.D
Acq: 20 Dec 2018 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	189887		
182	96.0		48.5	145.5
145	31.2		16.0	47.9

