

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122018\
 Data File : VX006692.D
 Acq On : 20 Dec 2018 23:20
 Operator : JC/MD
 Sample : VX1220WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:19:29 AM

Quant Time: Dec 21 04:44:51 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	553858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	856417	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	791179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	403165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	303058	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	5.50	113	267160	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	8.71	98	1019477	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.13	95	374150	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	93619	18.477	ug/l	99
3) Chloromethane	1.33	50	102458	18.769	ug/l	99
4) Vinyl Chloride	1.41	62	112247	19.688	ug/l	99
5) Bromomethane	1.64	94	103720	18.279	ug/l	97
6) Chloroethane	1.73	64	76151	19.291	ug/l	99
7) Trichlorofluoromethane	1.93	101	174800	19.666	ug/l	98
8) Diethyl Ether	2.19	74	68697	19.459	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98870	18.944	ug/l	98
10) Methyl Iodide	2.51	142	143962	19.270	ug/l	98
11) Tert butyl alcohol	3.07	59	146538	109.999	ug/l	100
12) 1,1-Dichloroethene	2.38	96	96785	19.558	ug/l	98
13) Acrolein	2.30	56	70378	78.312	ug/l	98
14) Allyl chloride	2.73	41	162956	19.563	ug/l	97
15) Acrylonitrile	3.15	53	313303	105.923	ug/l	99
16) Acetone	2.45	43	263958	96.249	ug/l	99
17) Carbon Disulfide	2.57	76	213504	16.303	ug/l	100
18) Methyl Acetate	2.78	43	181032	22.449	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	341433	20.788	ug/l	98
20) Methylene Chloride	2.86	84	111559	19.672	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	103149	18.812	ug/l	95
22) Diisopropyl ether	3.87	45	314832	20.660	ug/l	93
23) Vinyl Acetate	3.82	43	1232546	98.884	ug/l	100
24) 1,1-Dichloroethane	3.70	63	174291	19.160	ug/l	99
25) 2-Butanone	4.70	43	393983	102.131	ug/l	100
26) 2,2-Dichloropropane	4.59	77	106315	15.130	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	118613	19.607	ug/l	99
28) Bromochloromethane	5.01	49	87980	21.902	ug/l	99
29) Tetrahydrofuran	5.16	42	267199	105.166	ug/l	99
30) Chloroform	5.21	83	187704	19.926	ug/l	98
31) Cyclohexane	5.57	56	154632	18.711	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	155054	19.493	ug/l	98
36) 1,1-Dichloropropene	5.80	75	133751	18.856	ug/l	98
37) Ethyl Acetate	4.86	43	151772	20.558	ug/l	99
38) Carbon Tetrachloride	5.79	117	128273	18.608	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	173459	18.575	ug/l	98
40) Benzene	6.15	78	426067	19.761	ug/l	99
41) Methacrylonitrile	5.06	41	83066	21.193	ug/l	100
42) 1,2-Dichloroethane	6.20	62	142732	19.427	ug/l	100
43) Isopropyl Acetate	6.46	43	228075	20.304	ug/l	98
44) Trichloroethene	7.21	130	123529	18.929	ug/l	97
45) 1,2-Dichloropropane	7.51	63	106695	20.335	ug/l	100
46) Dibromomethane	7.66	93	75562	19.579	ug/l	100
47) Bromodichloromethane	7.90	83	121086	18.898	ug/l	95
48) Methyl methacrylate	7.77	41	119026	20.837	ug/l	100
49) 1,4-Dioxane	7.75	88	64080	417.158	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	769803	107.707	ug/l	100
52) Toluene	8.79	92	276449	19.847	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	120994	17.607	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	140295	18.607	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	117846	20.670	ug/l	96
56) Ethyl methacrylate	9.18	69	165700	20.563	ug/l	99
57) 1,3-Dichloropropane	9.37	76	183813	20.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	446711	104.287	ug/l	99
59) 2-Hexanone	9.49	43	588667	107.647	ug/l	100
60) Dibromochloromethane	9.59	129	101040	18.481	ug/l	98
61) 1,2-Dibromoethane	9.67	107	120965	19.959	ug/l	98
64) Tetrachloroethene	9.34	164	127462	20.345	ug/l	93
65) Chlorobenzene	10.14	112	321898	19.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	102404	19.609	ug/l	100
67) Ethyl Benzene	10.25	91	528570	19.325	ug/l	100
68) m/p-Xylenes	10.36	106	422540	39.151	ug/l	100
69) o-Xylene	10.70	106	205179	19.252	ug/l	95
70) Styrene	10.71	104	333048	19.753	ug/l	100
71) Bromoform	10.86	173	70325	18.058	ug/l #	98
73) Isopropylbenzene	11.02	105	549296	19.915	ug/l	100
74) N-amyl acetate	10.90	43	207067	20.974	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	175649	21.414	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	155789m	20.793	ug/l	
77) Bromobenzene	11.26	156	150927	20.240	ug/l	98
78) n-propylbenzene	11.36	91	605642	19.940	ug/l	100
79) 2-Chlorotoluene	11.42	91	366739	19.925	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	454322	19.999	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	32722	16.398	ug/l #	82
82) 4-Chlorotoluene	11.51	91	413537	19.587	ug/l	99
83) tert-Butylbenzene	11.77	119	450558	19.816	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	469167	19.634	ug/l	99
85) sec-Butylbenzene	11.94	105	554258	19.882	ug/l	100
86) p-Isopropyltoluene	12.06	119	487803	19.906	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	265531	19.758	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	265381	19.263	ug/l	98
89) n-Butylbenzene	12.39	91	395659	18.972	ug/l	99
90) Hexachloroethane	12.60	117	61189	18.197	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	265758	19.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31087	18.316	ug/l	99

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ClientSampleId :
VX1220WBSD02

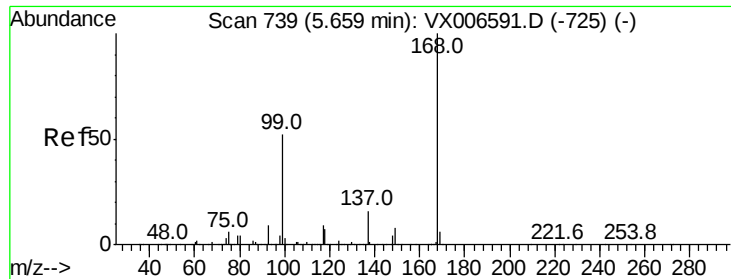
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	181045	19.523	ug/l	99
94) Hexachlorobutadiene	13.78	225	82823	18.949	ug/l	96
95) Naphthalene	13.83	128	581606	19.651	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	183729	19.189	ug/l	98

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



#1

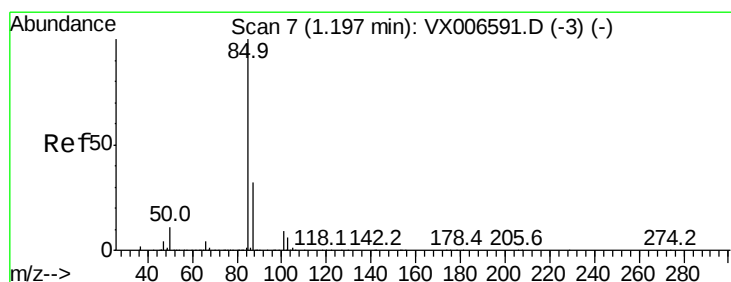
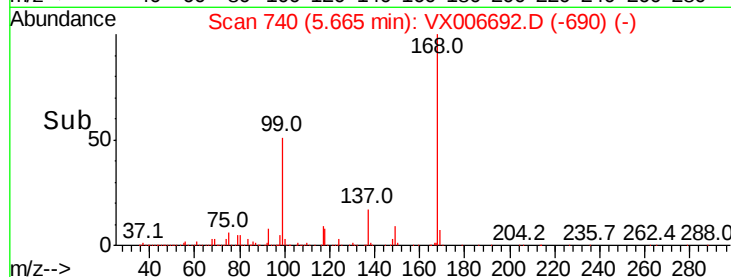
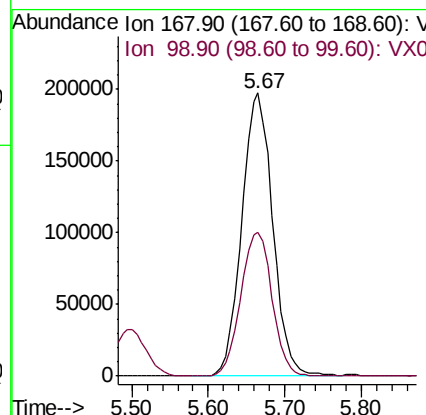
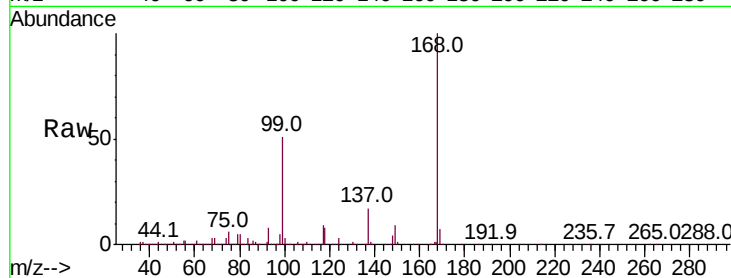
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.6	41.8	62.8

Manual Integrations
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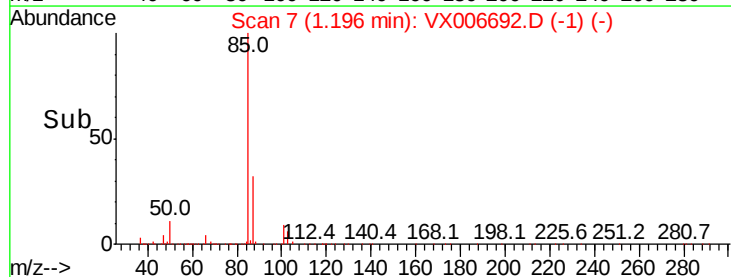
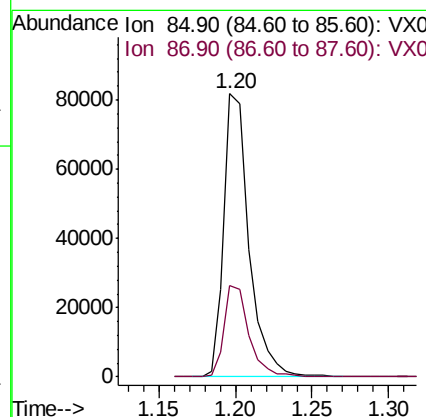
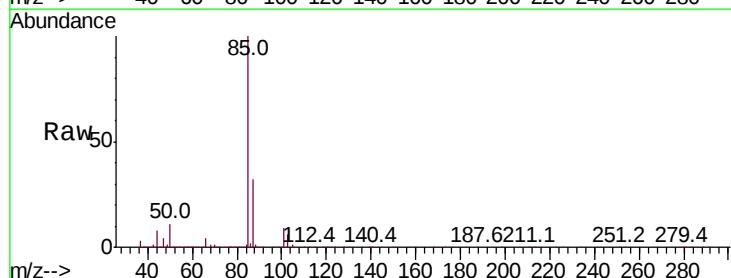
MMDadoda
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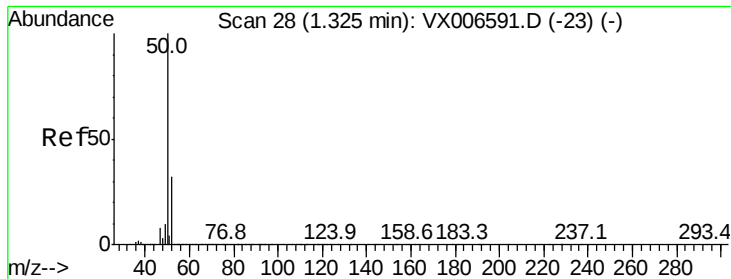


#2

Dichlorodifluoromethane
 Concen: 18.477 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.9	47.6





#3

Chloromethane

Concen: 18.769 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 50 Resp: 102458

Ion Ratio Lower Upper

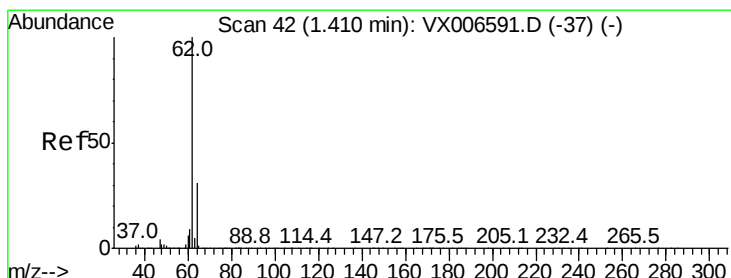
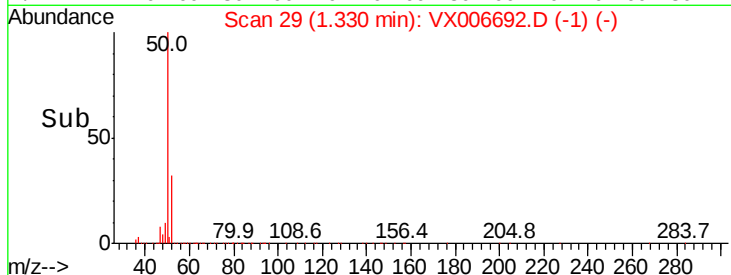
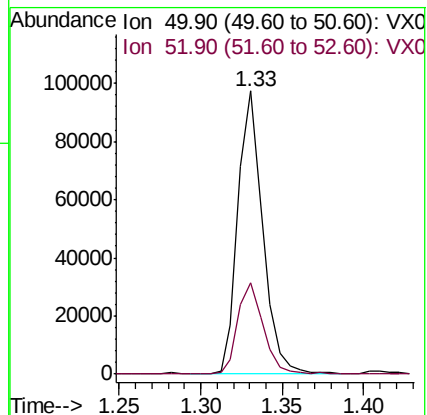
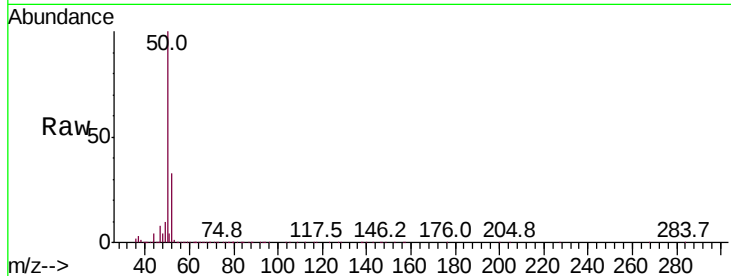
50 100

52 32.5 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.688 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006692.D

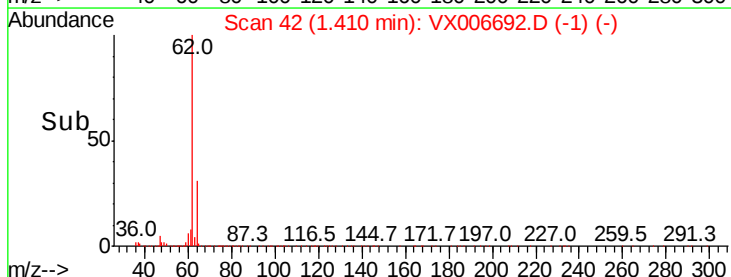
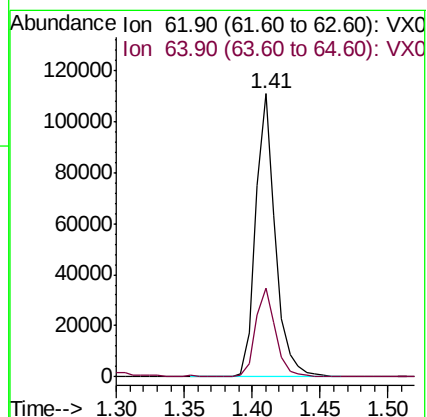
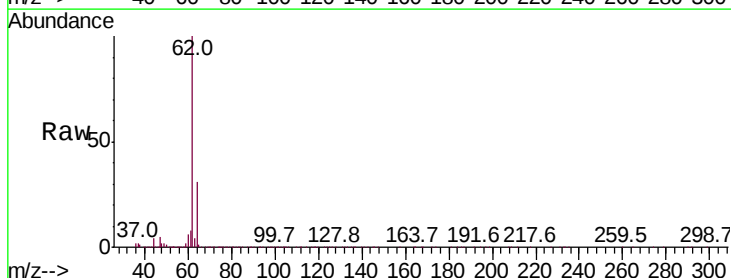
Acq: 20 Dec 2018 23:20

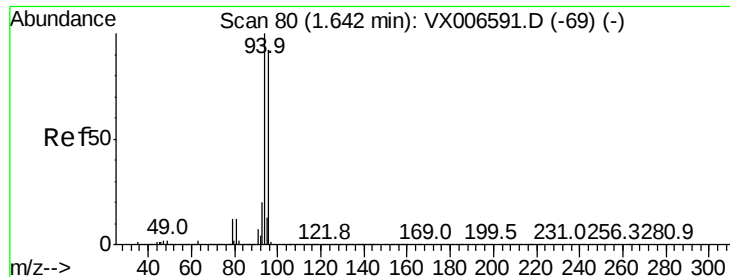
Tgt Ion: 62 Resp: 112247

Ion Ratio Lower Upper

62 100

64 30.8 25.1 37.7





#5

Bromomethane

Concen: 18.279 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 94 Resp: 103720

Ion Ratio Lower Upper

94 100

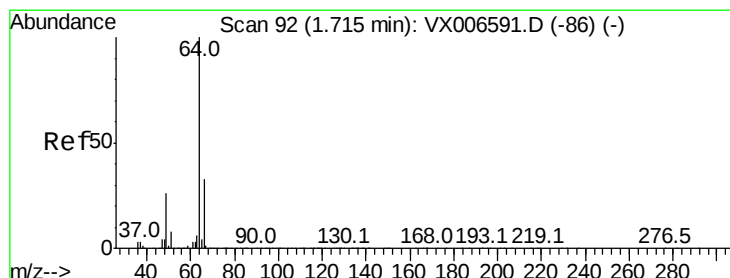
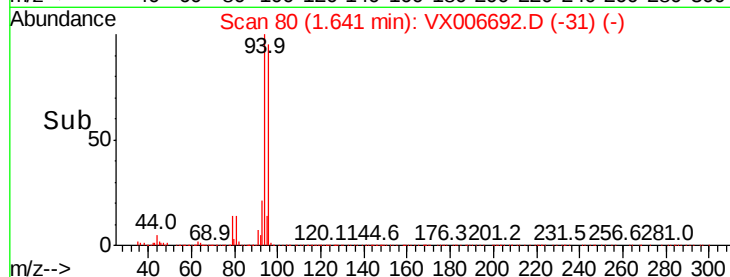
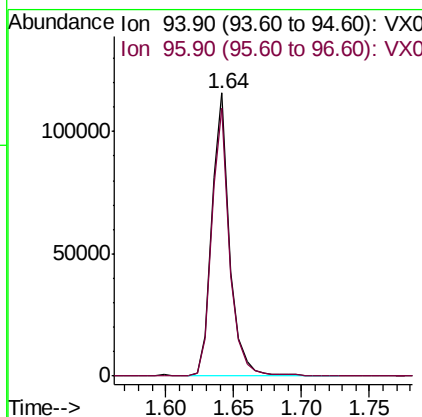
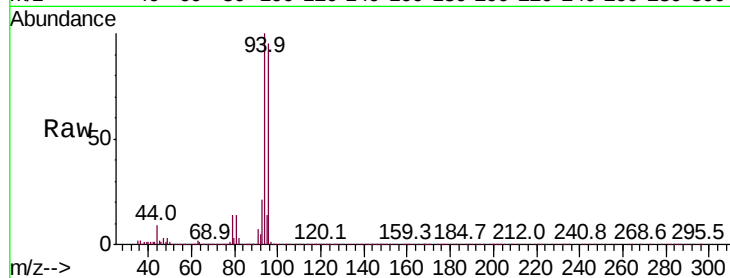
96 94.7 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 19.291 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006692.D

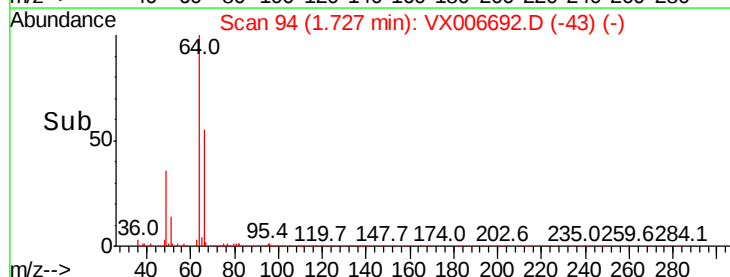
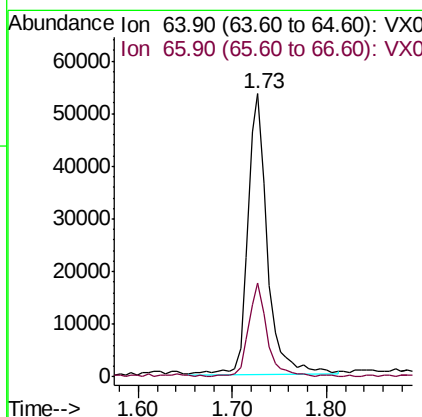
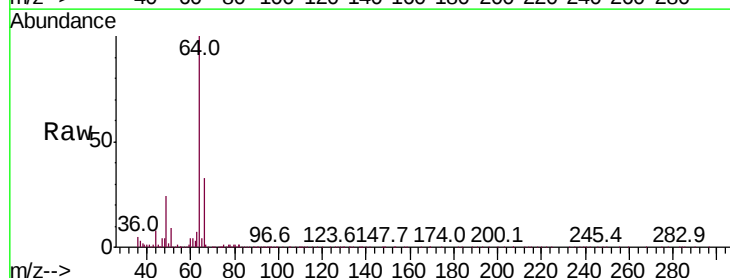
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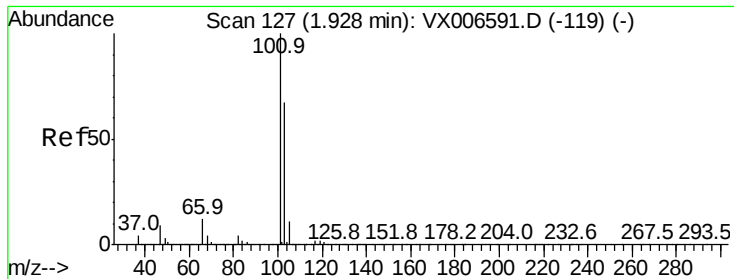
Tgt Ion: 64 Resp: 76151

Ion Ratio Lower Upper

64 100

66 33.4 26.4 39.6





#7

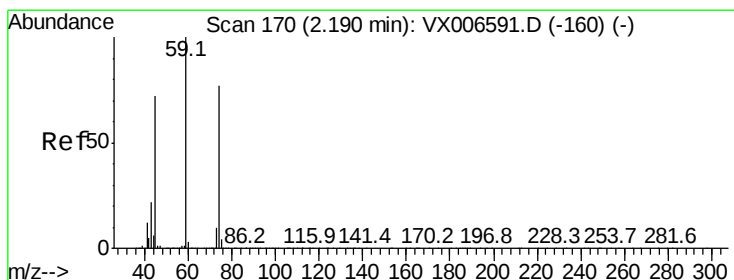
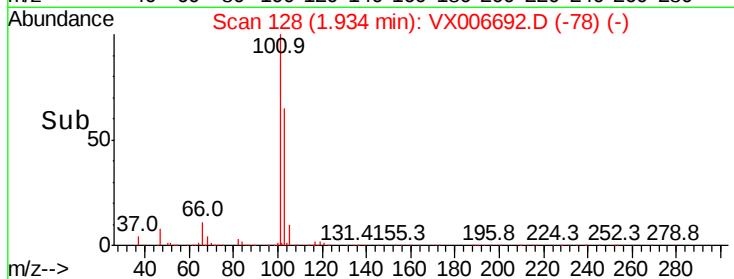
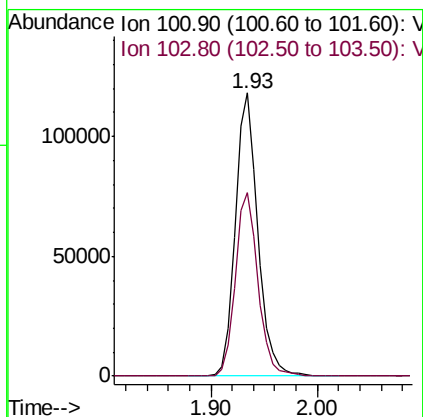
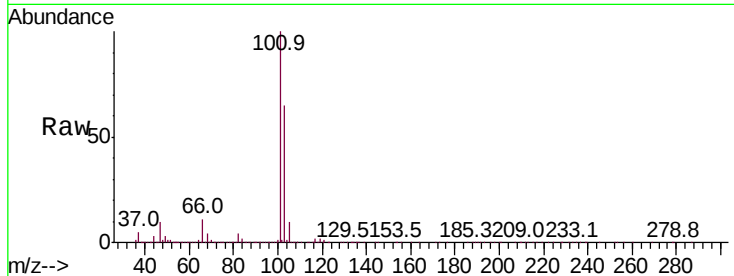
Trichlorofluoromethane
Concen: 19.666 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
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ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.2	79.8

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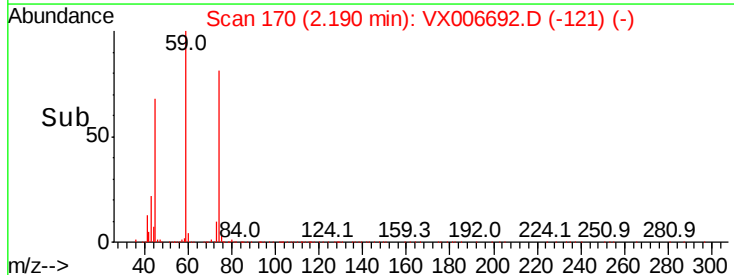
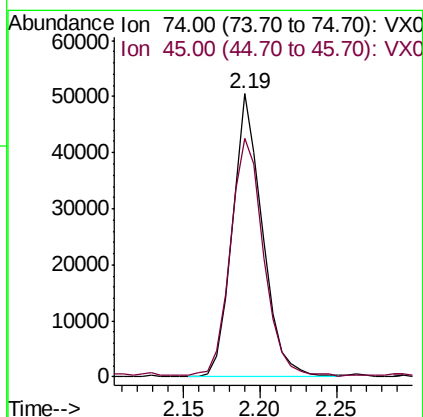
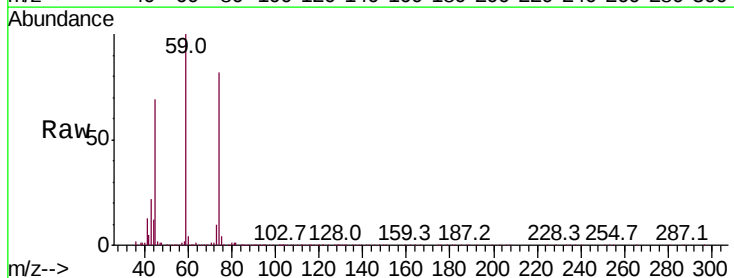
MMDadoda
12/21/2018 10:19:29 AM

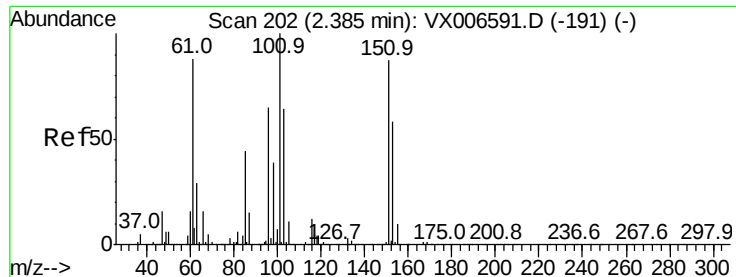


#8

Diethyl Ether
Concen: 19.459 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.944 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

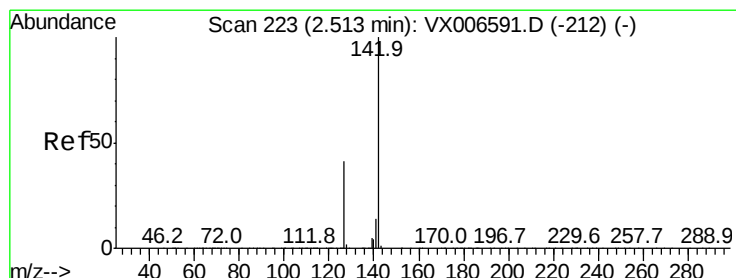
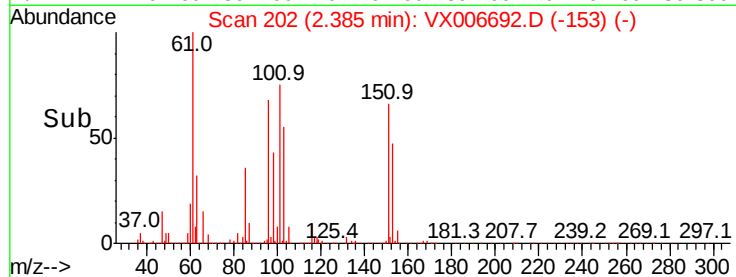
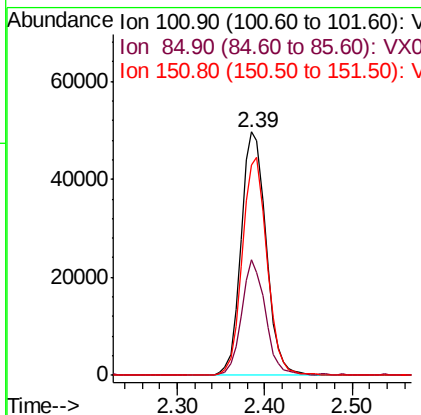
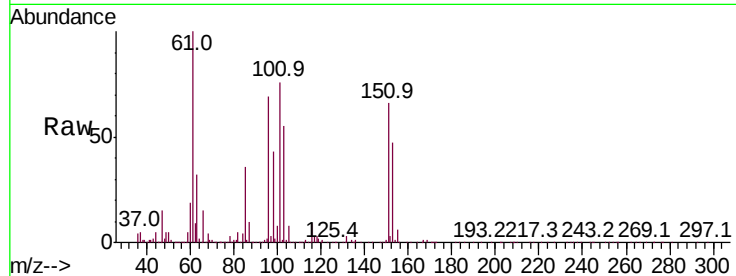
ClientSampleId :

VX1220WBSD02

Tot Ion:	101	Resp:	98870
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.1	52.7
151	88.3	68.9	103.3

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#10

Methyl Iodide

Concen: 19.270 ug/l

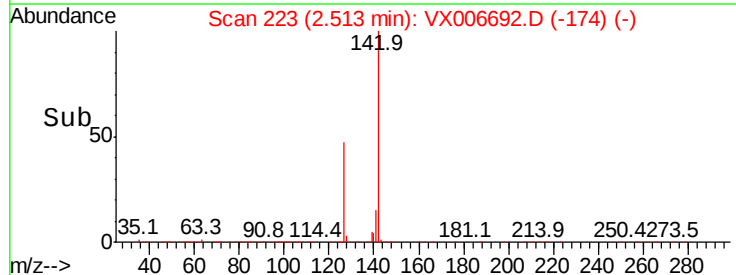
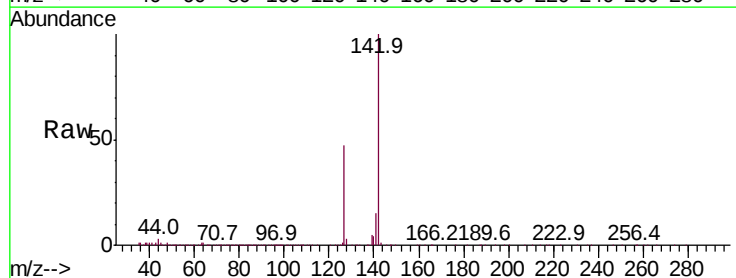
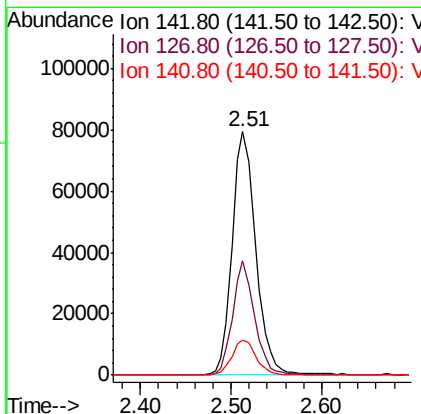
RT: 2.51 min Scan# 223

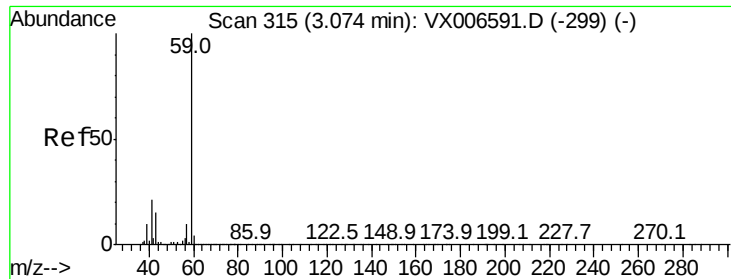
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion:	142	Resp:	143962
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.9	50.9
141	15.0	11.4	17.0





#11

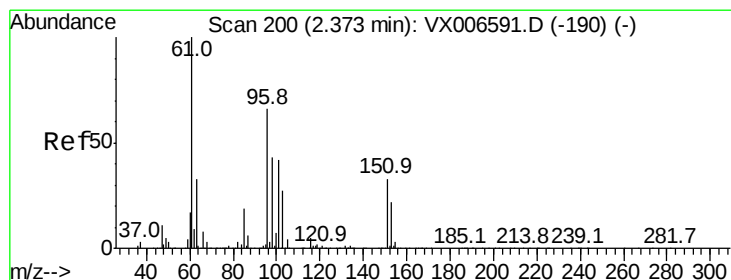
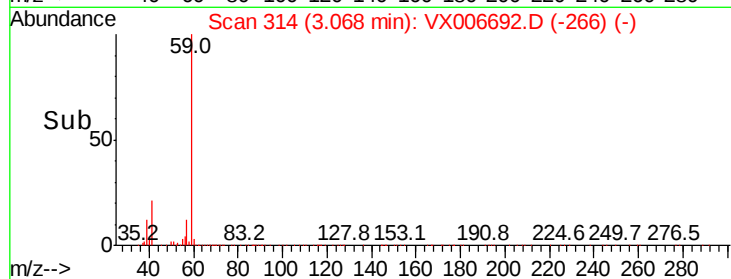
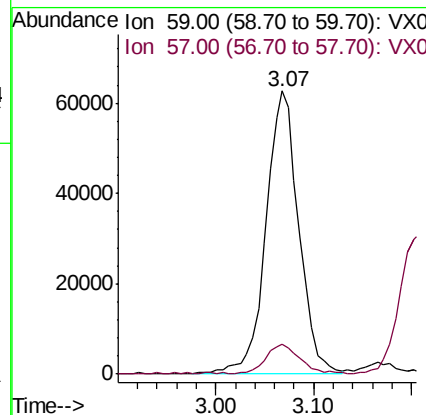
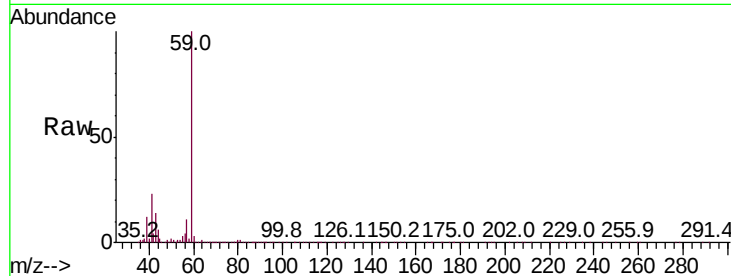
Tert butyl alcohol
 Concen: 109.999 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
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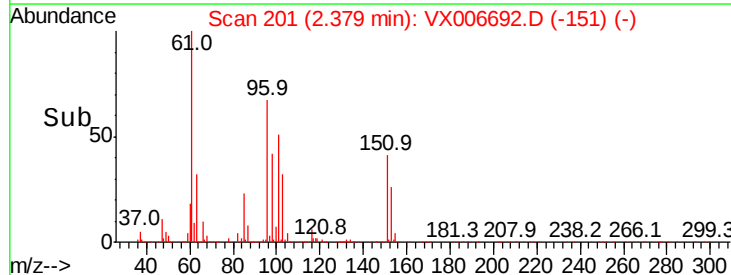
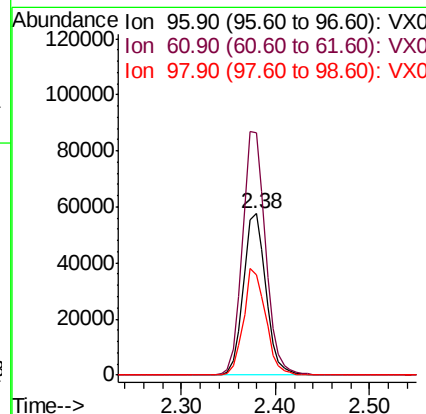
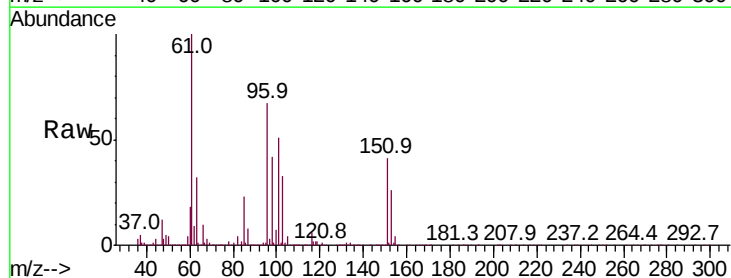
MMDadoda
 12/21/2018 10:19:29 AM

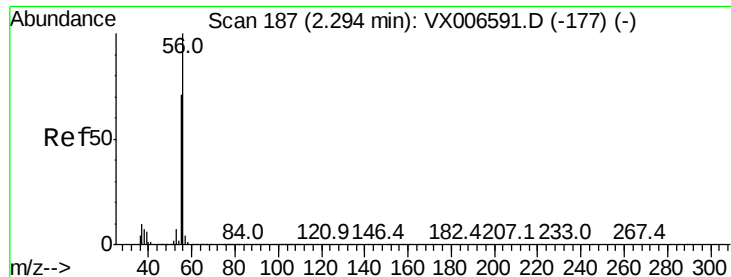


#12

1,1-Dichloroethene
 Concen: 19.558 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	121.4	182.2
98	62.2	51.9	77.9





#13

Acrolein

Concen: 78.312 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 56 Resp: 70378

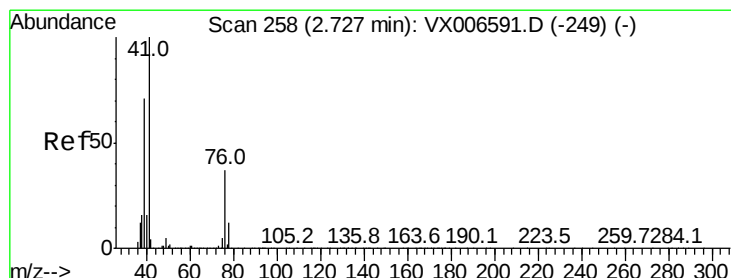
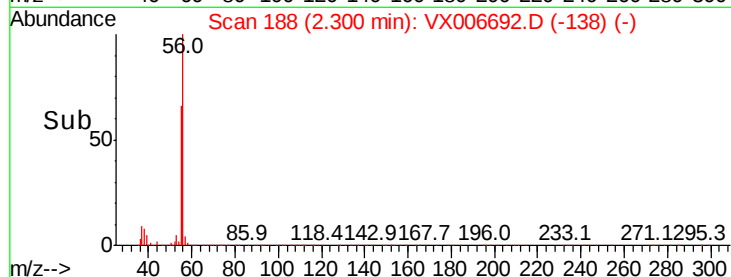
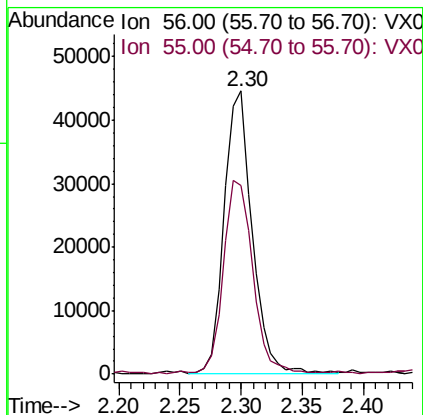
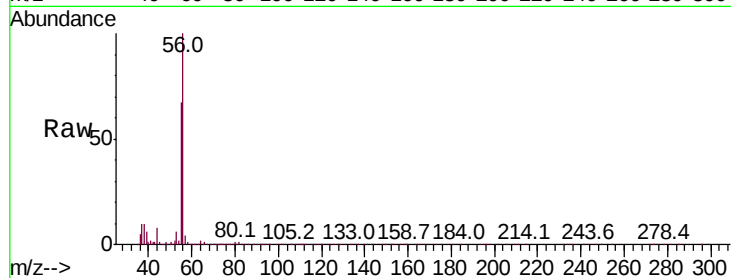
Ion Ratio Lower Upper

56 100

55 71.5 58.2 87.4

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#14

Allyl chloride

Concen: 19.563 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

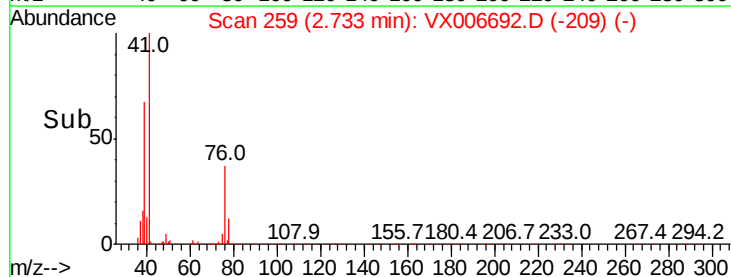
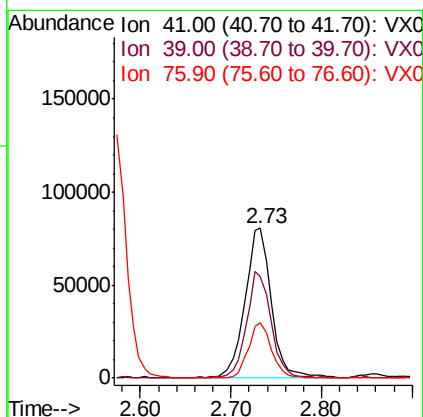
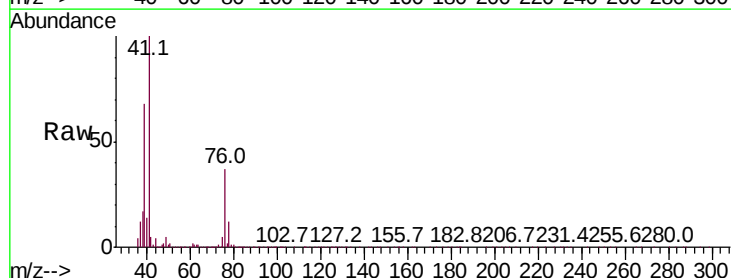
Tgt Ion: 41 Resp: 162956

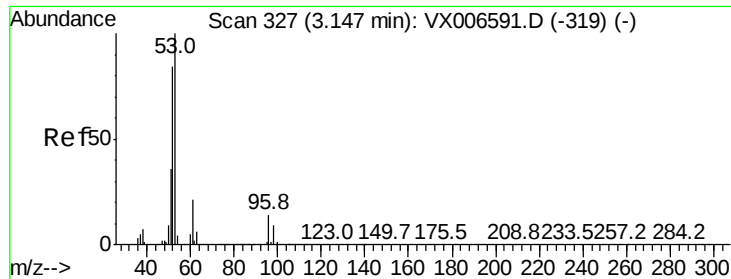
Ion Ratio Lower Upper

41 100

39 64.8 53.6 80.4

76 32.2 27.4 41.2





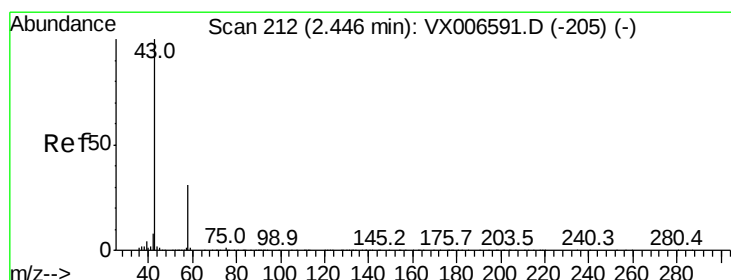
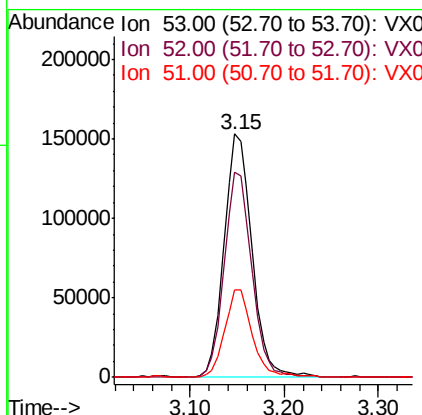
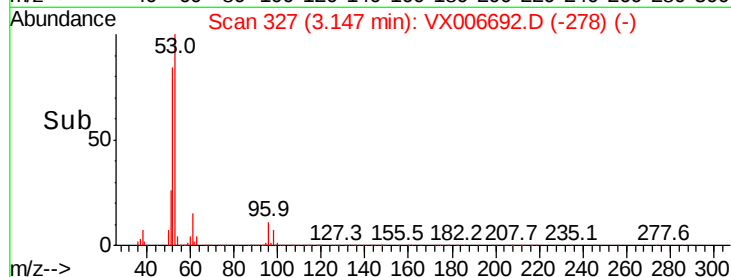
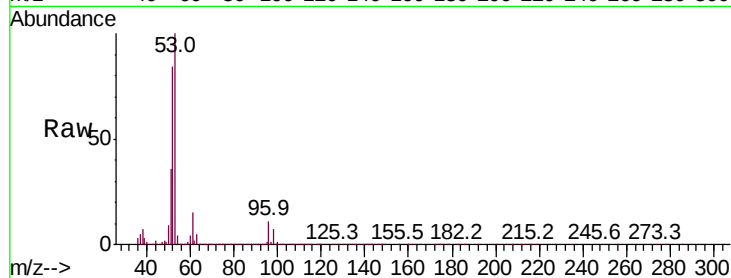
#15
 Acrylonitrile
 Concen: 105.923 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.0	99.0
51	35.8	28.6	42.8

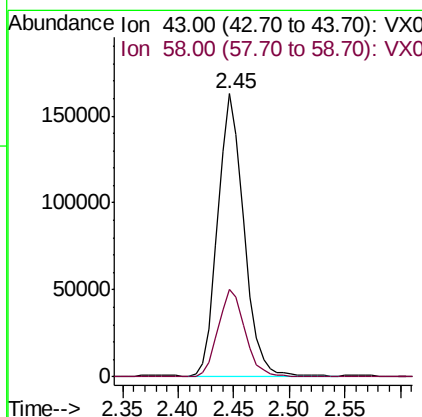
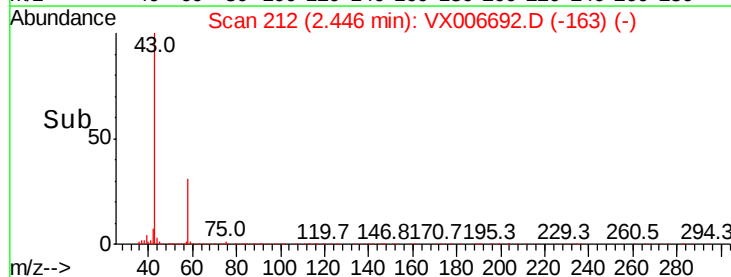
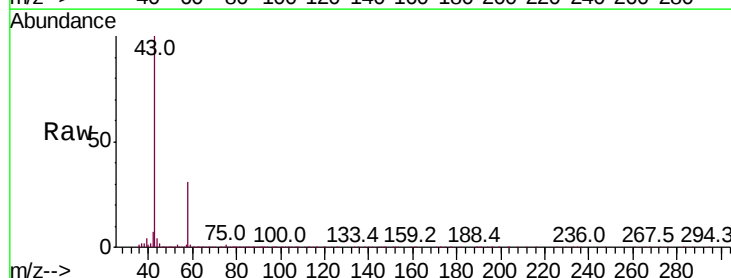
Manual Integrations
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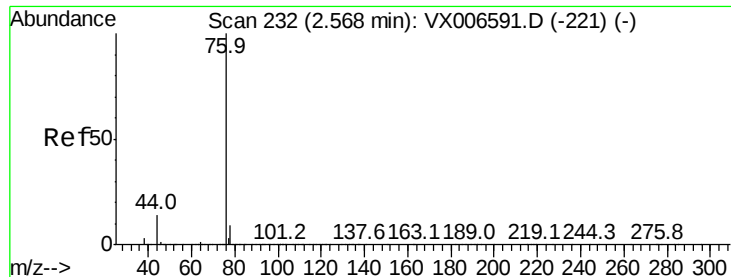
MMDadoda
 12/21/2018 10:19:29 AM



#16
 Acetone
 Concen: 96.249 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.0	37.6





#17

Carbon Disulfide

Concen: 16.303 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 76 Resp: 213504

Ion Ratio Lower Upper

76 100

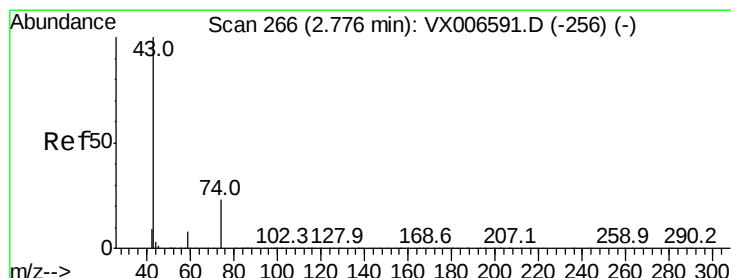
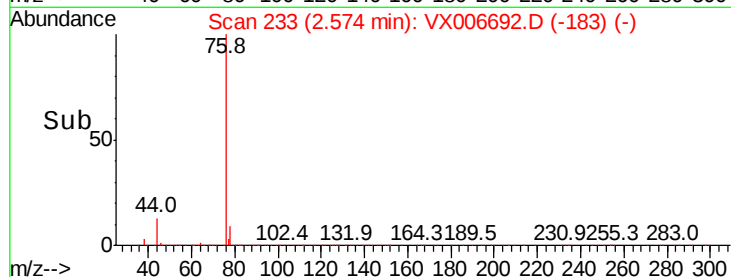
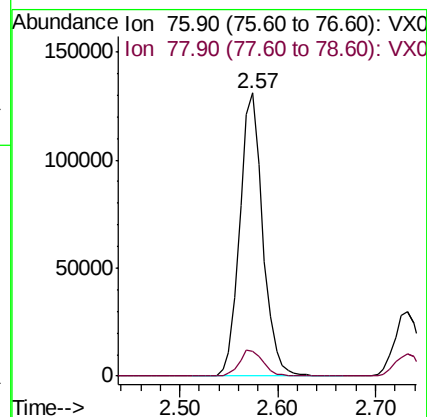
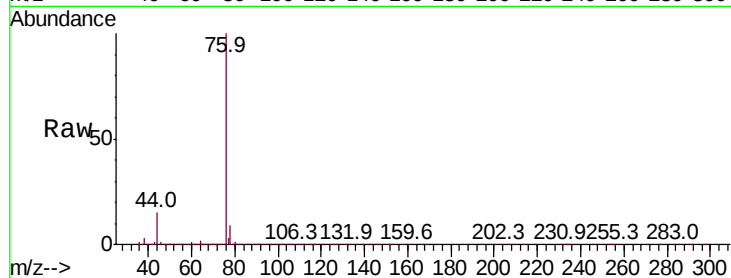
78 8.7 7.0 10.6

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#18

Methyl Acetate

Concen: 22.449 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006692.D

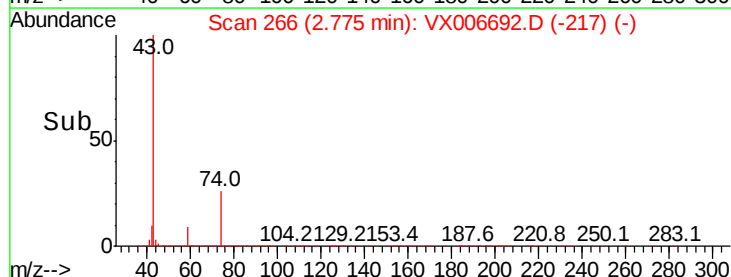
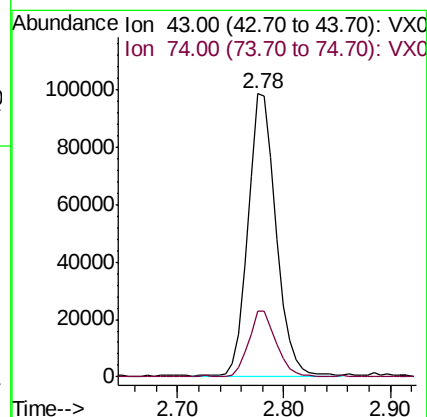
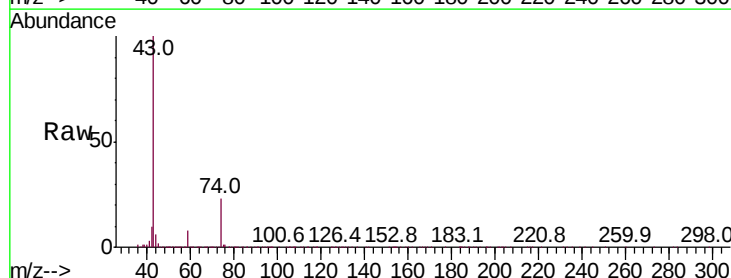
Acq: 20 Dec 2018 23:20

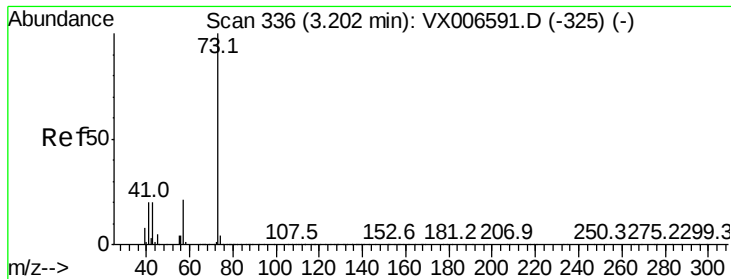
Tgt Ion: 43 Resp: 181032

Ion Ratio Lower Upper

43 100

74 22.3 18.6 28.0





#19

Methyl tert-butyl Ether

Concen: 20.788 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

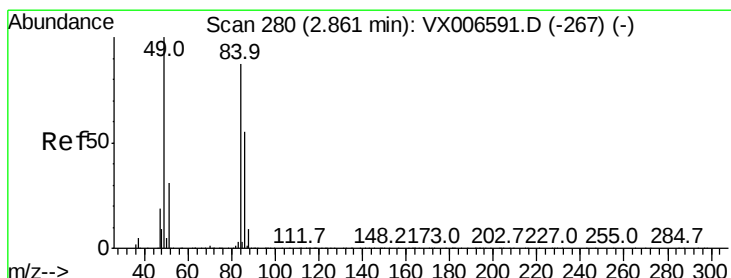
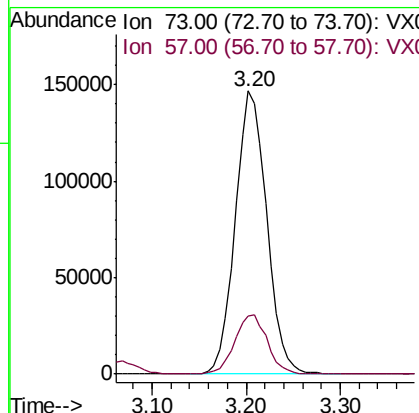
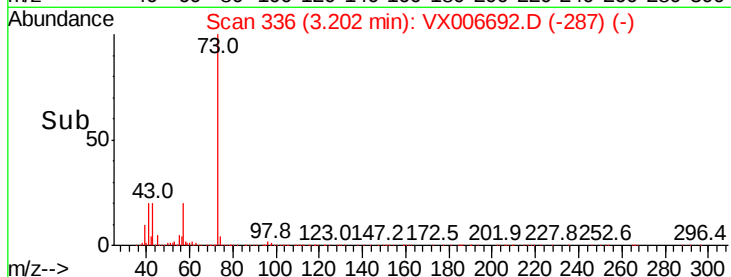
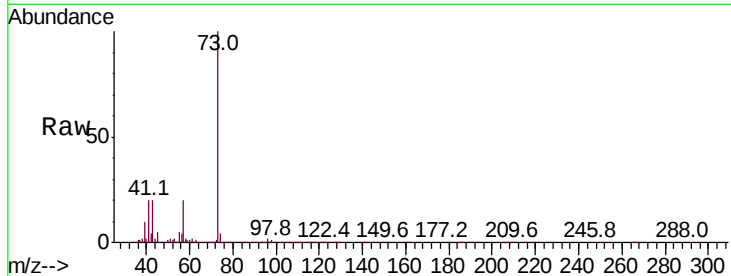
Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion: 73 Resp: 341433

Ion	Ratio	Lower	Upper
73	100		
57	20.2	16.8	25.2

Manual Integrations
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#20

Methylene Chloride

Concen: 19.672 ug/l

RT: 2.86 min Scan# 280

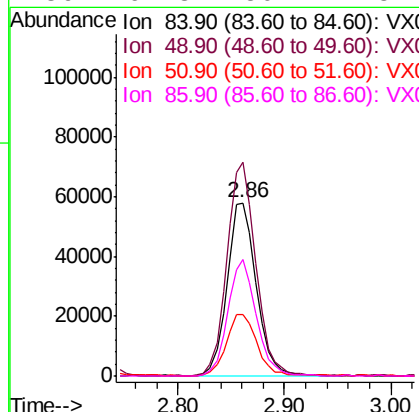
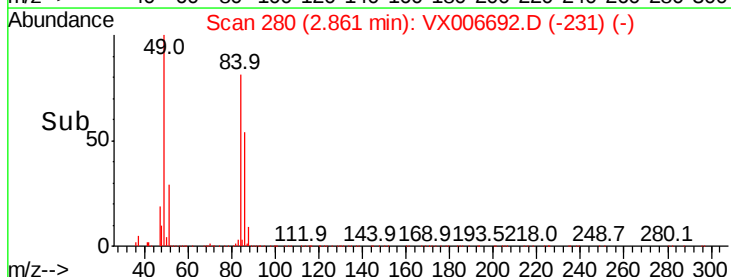
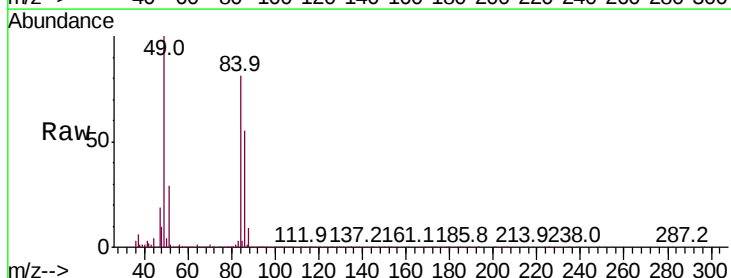
Delta R.T. -0.00 min

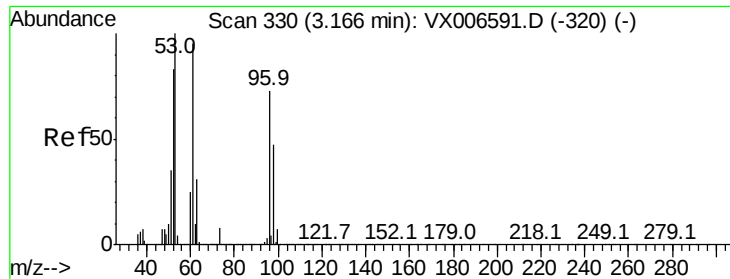
Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion: 84 Resp: 111559

Ion	Ratio	Lower	Upper
84	100		
49	123.4	91.8	137.6
51	35.0	28.5	42.7
86	67.3	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.812 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 96 Resp: 103149

Ion Ratio Lower Upper

96 100

61 122.4 103.7 155.5

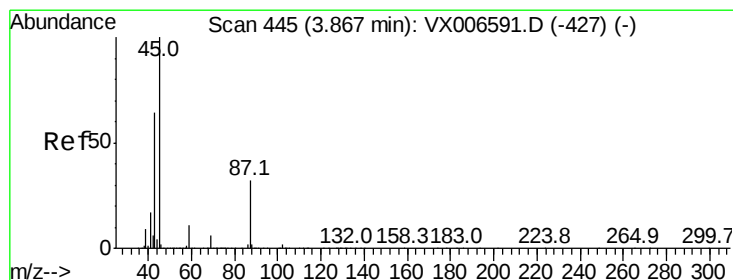
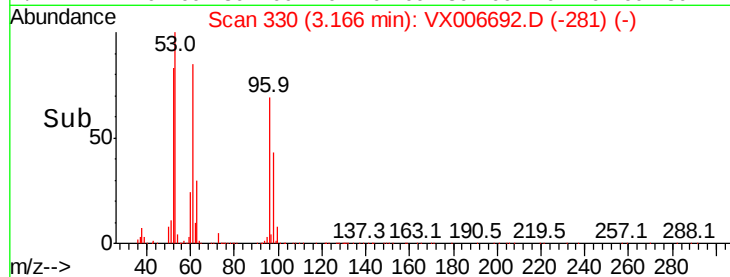
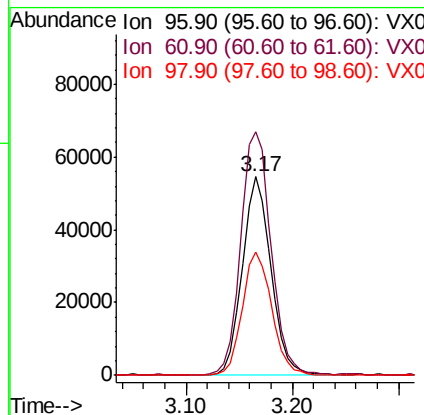
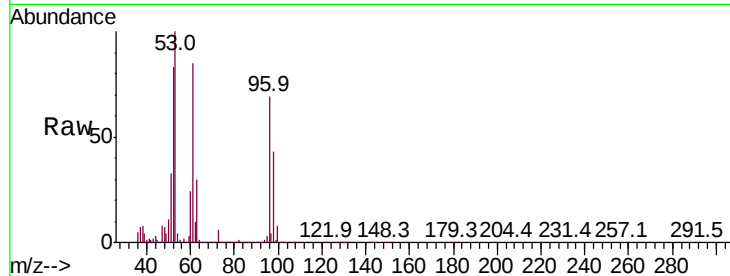
98 62.3 51.0 76.6

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#22

Diisopropyl ether

Concen: 20.660 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion: 45 Resp: 314832

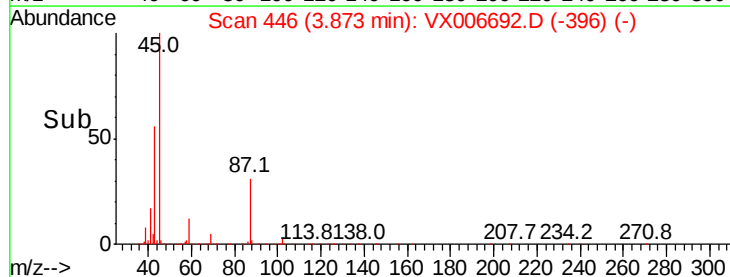
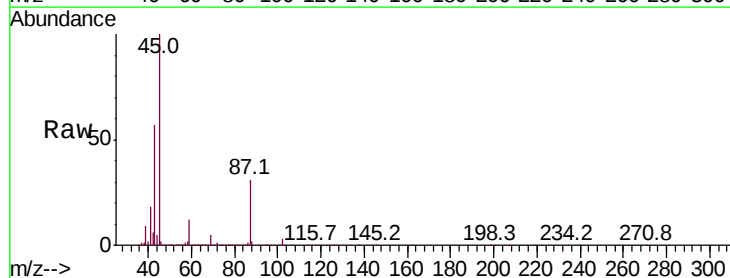
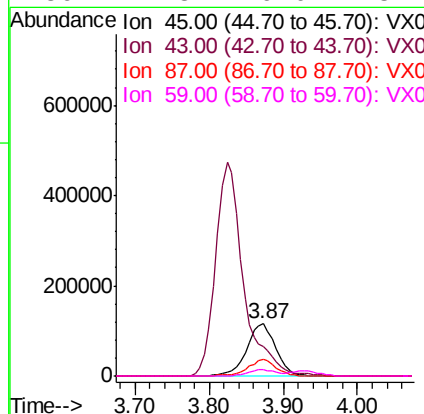
Ion Ratio Lower Upper

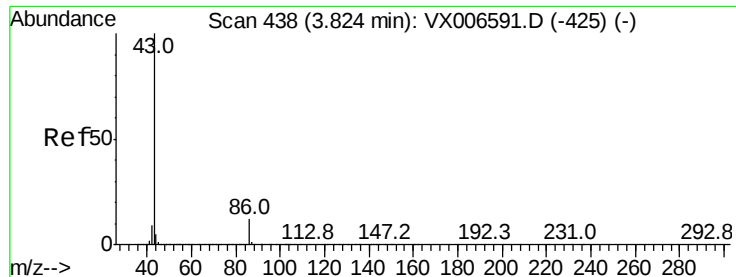
45 100

43 56.1 51.2 76.8

87 30.7 25.8 38.6

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 98.884 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleID :

VX1220WBSD02

Tot Ion: 43 Resp: 1232546

Ion Ratio Lower Upper

43 100

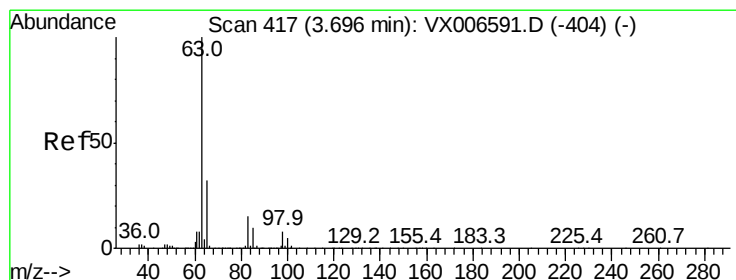
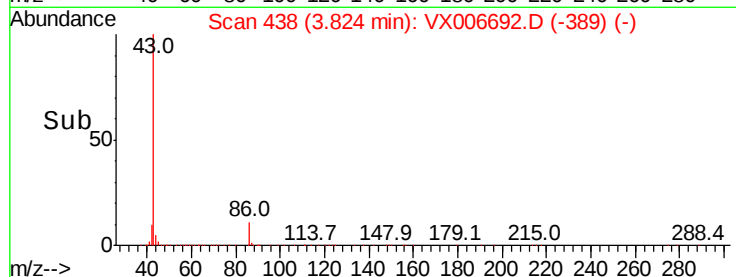
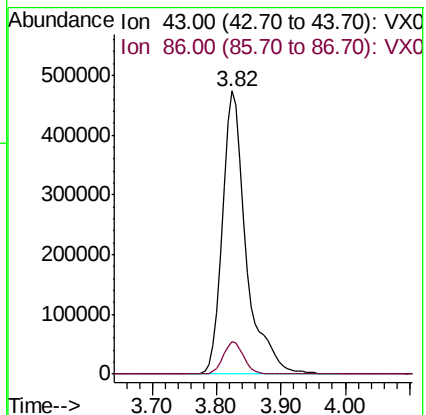
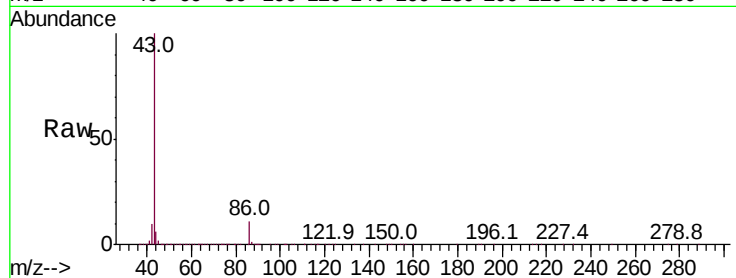
86 11.4 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.160 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

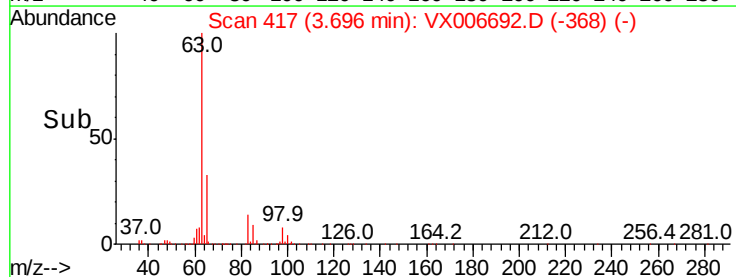
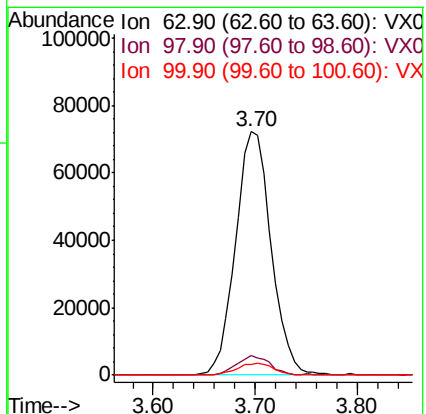
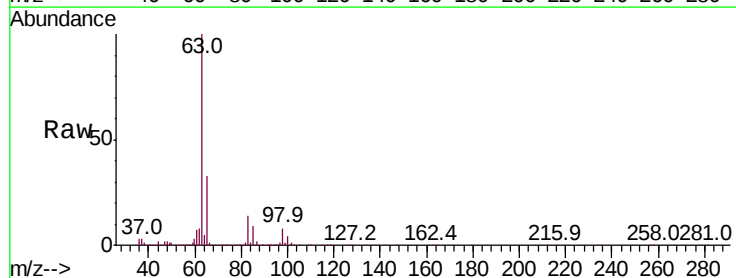
Tgt Ion: 63 Resp: 174291

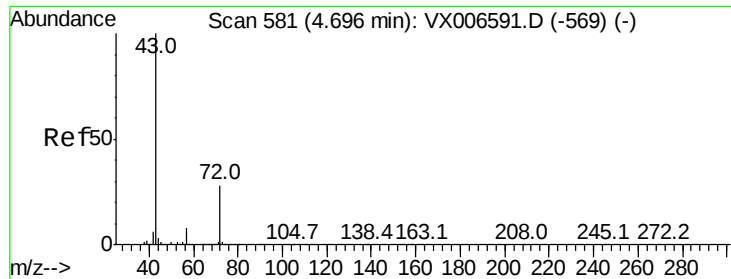
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 102.131 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 43 Resp: 393983

Ion Ratio Lower Upper

43 100

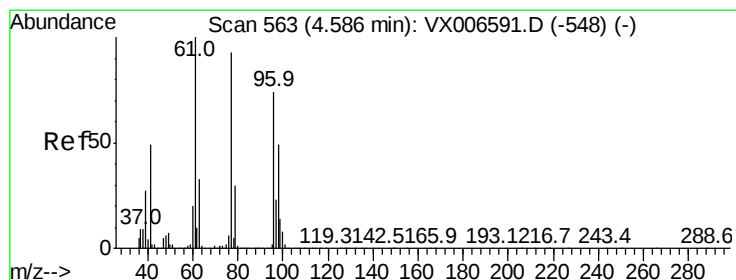
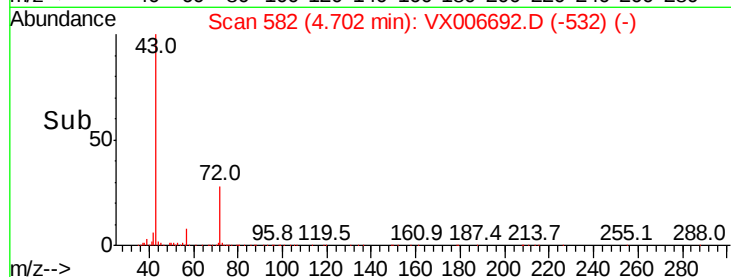
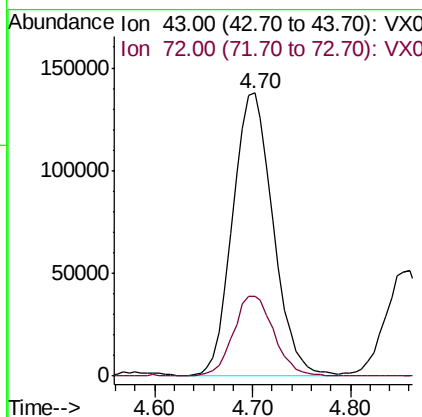
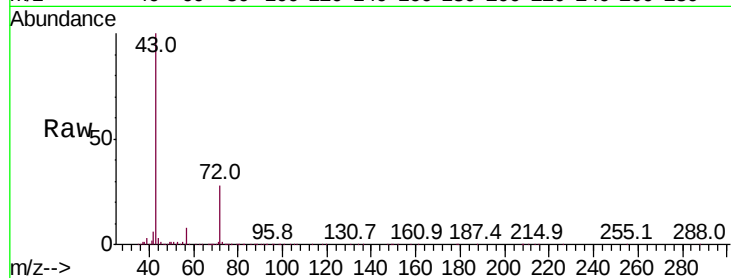
72 28.2 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.130 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006692.D

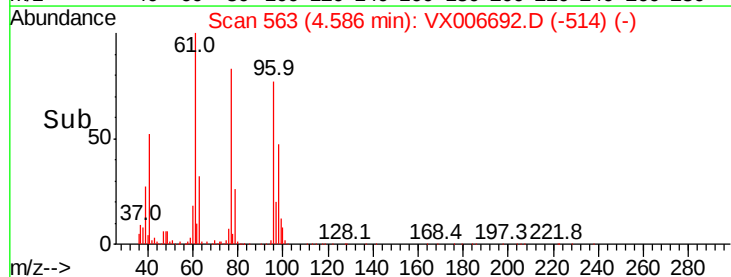
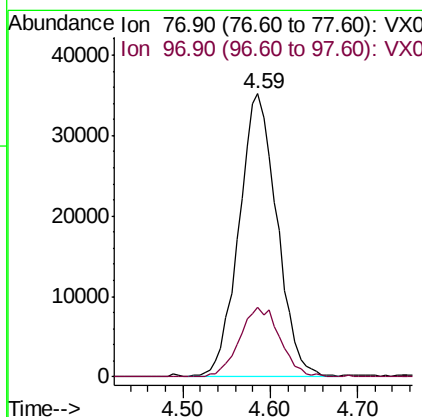
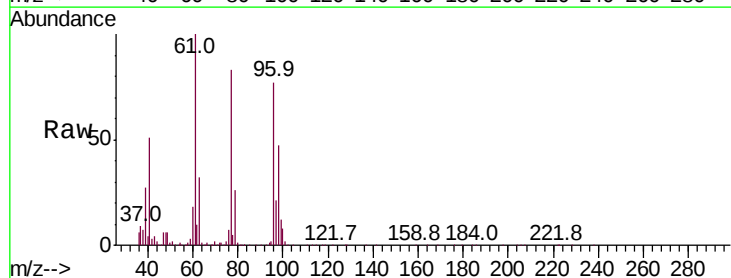
Acq: 20 Dec 2018 23:20

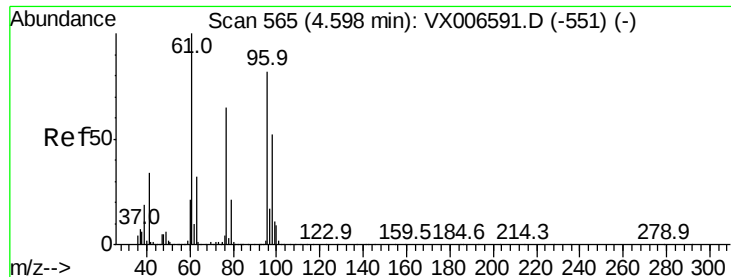
Tgt Ion: 77 Resp: 106315

Ion Ratio Lower Upper

77 100

97 26.3 12.4 37.4





#27

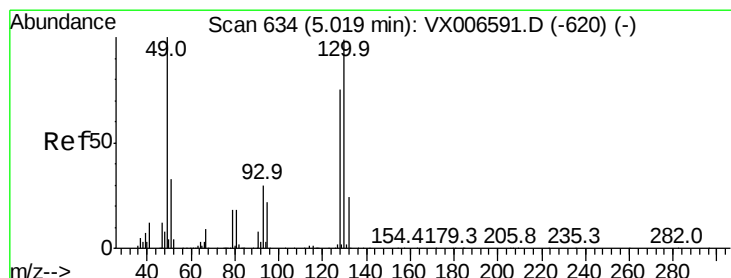
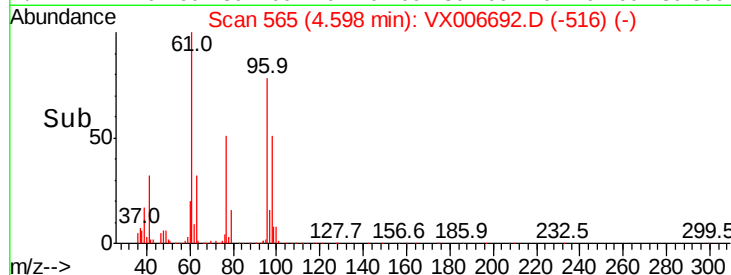
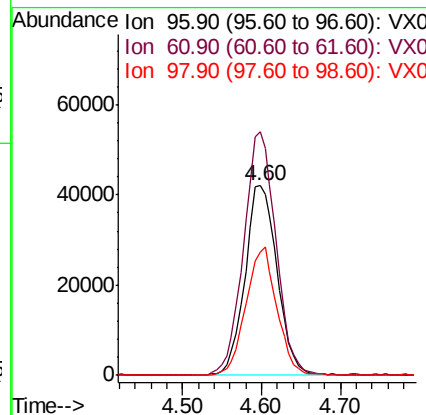
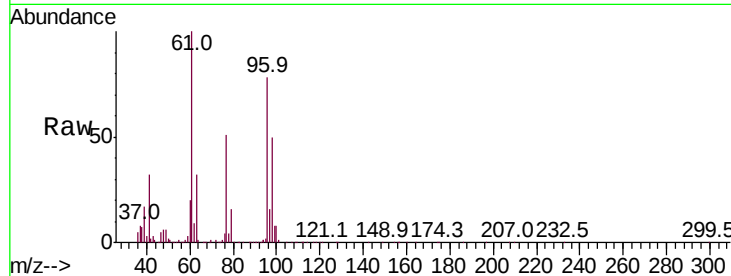
cis-1,2-Dichloroethene
Concen: 19.607 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	118613		
61	128.4	0.0	258.6	
98	65.6	0.0	132.0	

Manual Integrations
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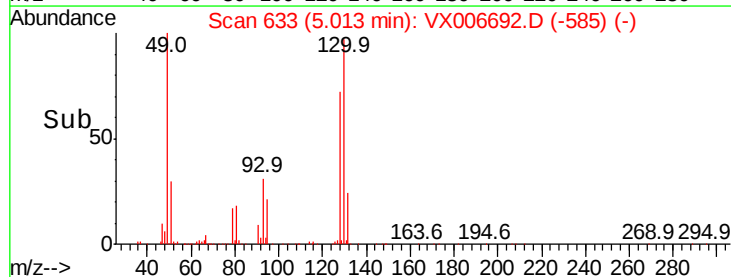
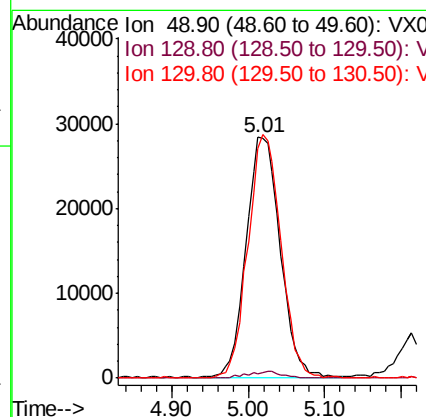
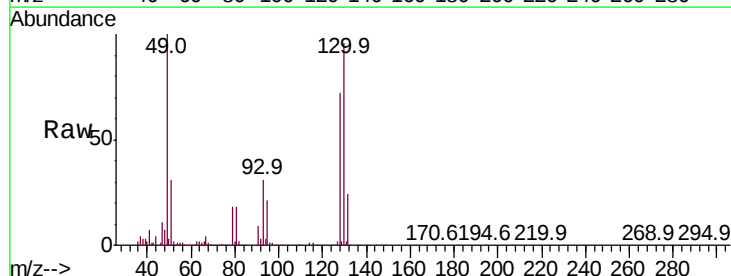
MMDadoda
12/21/2018 10:19:29 AM

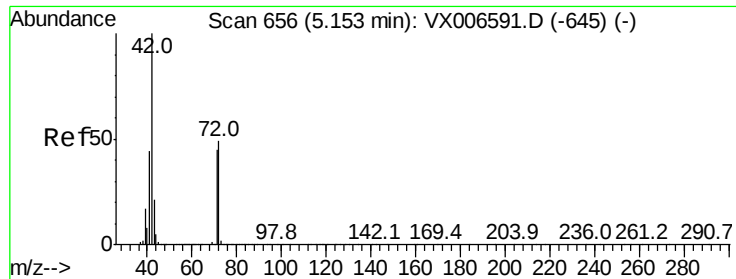


#28

Bromochloromethane
Concen: 21.902 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87980		
129	2.7	0.0	5.4	
130	97.8	77.7	116.5	





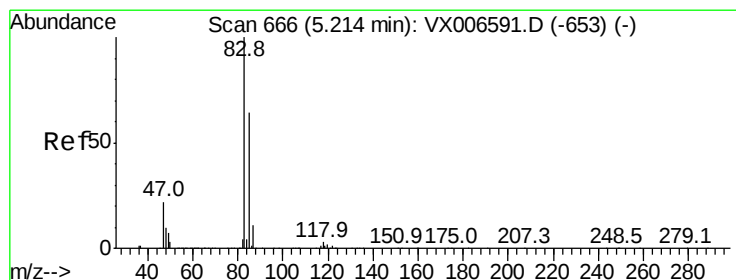
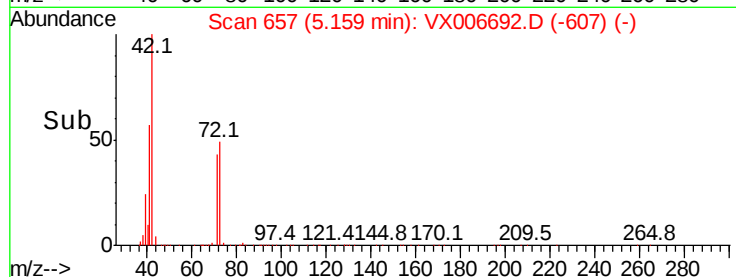
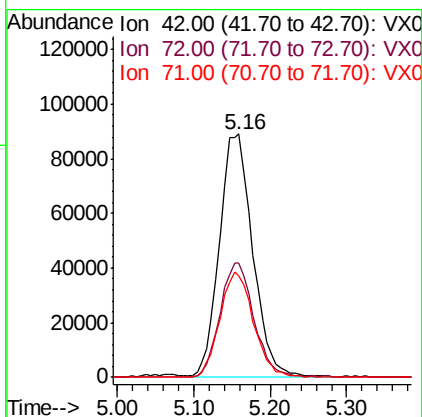
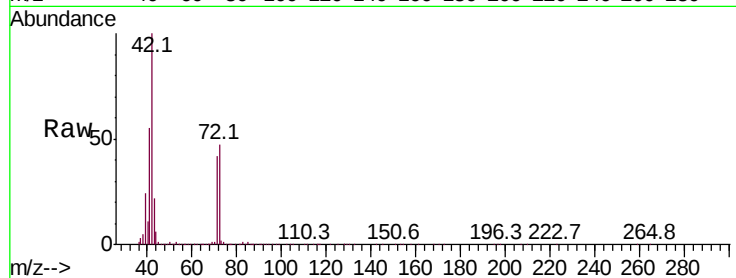
#29
Tetrahydrofuran
Concen: 105.166 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	38.9	58.3
71	44.1	36.2	54.4

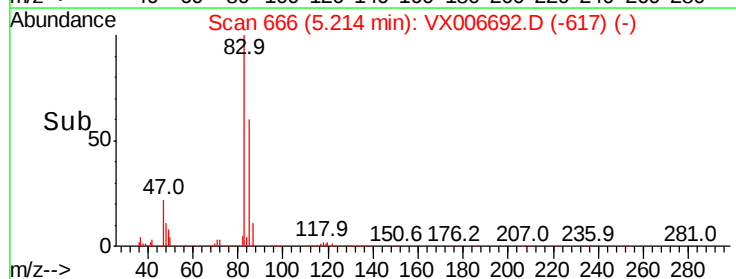
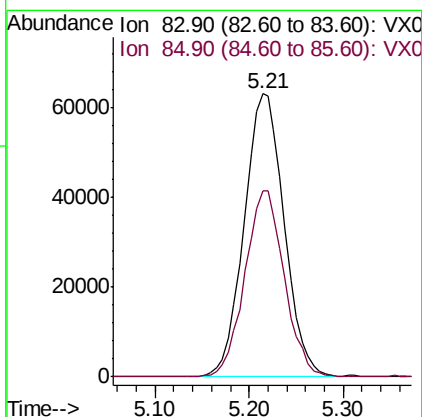
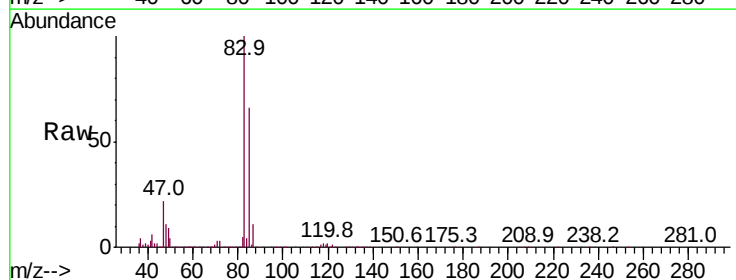
Manual Integrations
APPROVED

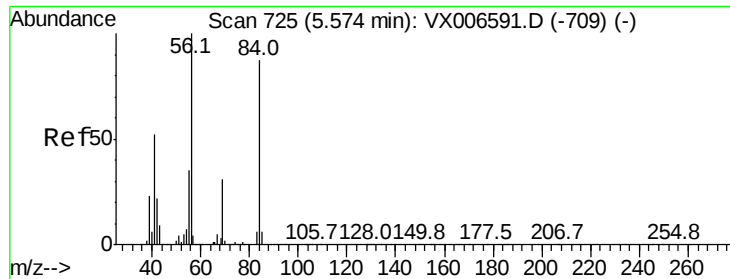
MMDadoda
12/21/2018 10:19:29 AM



#30
Chloroform
Concen: 19.926 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.2	76.8





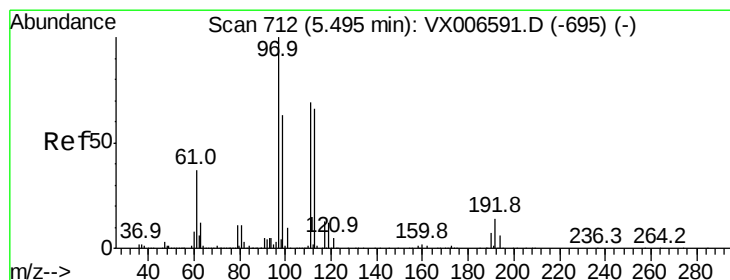
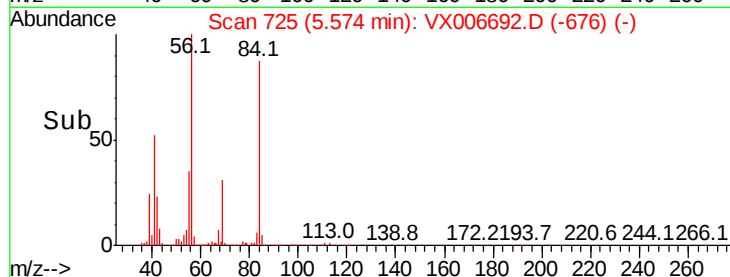
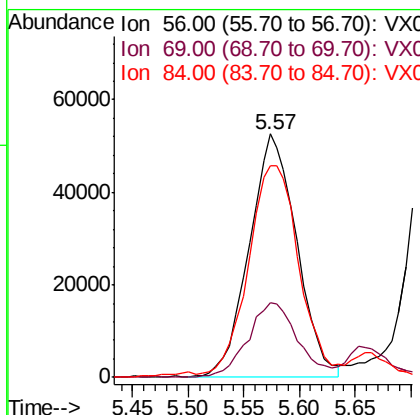
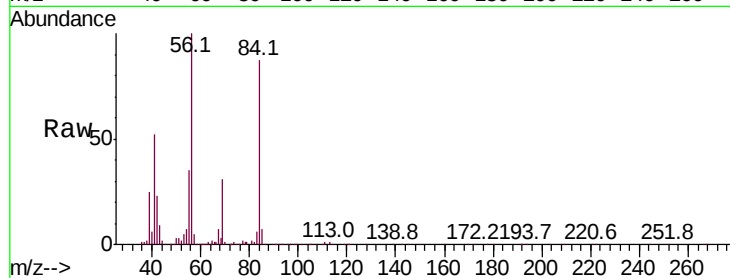
#31
Cyclohexane
Concen: 18.711 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	85.1	70.0	105.0

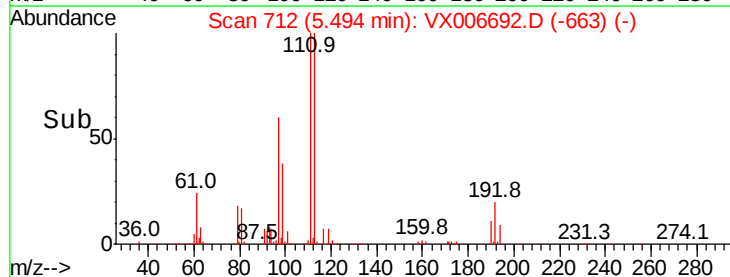
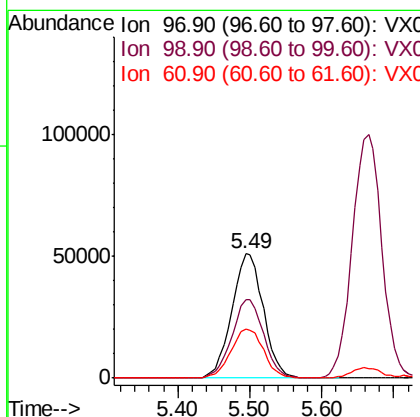
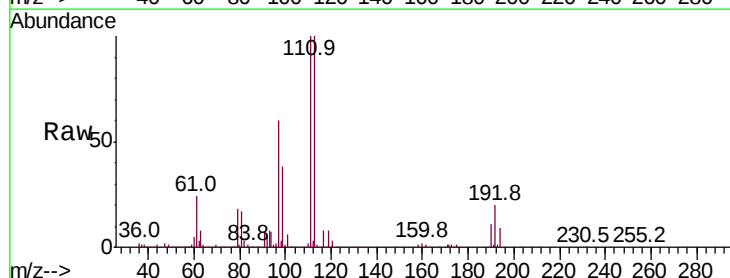
Manual Integrations
APPROVED

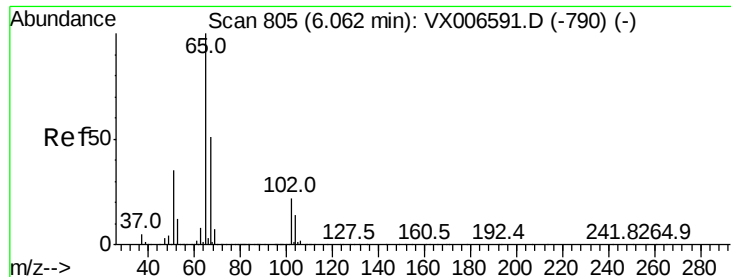
MMDadoda
12/21/2018 10:19:29 AM



#32
1,1,1-Trichloroethane
Concen: 19.493 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	40.9	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.770 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 65 Resp: 303058

Ion Ratio Lower Upper

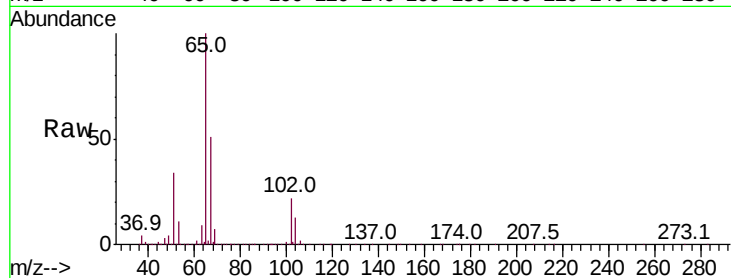
65 100

67 53.5 0.0 105.0

Manual Integrations
APPROVED

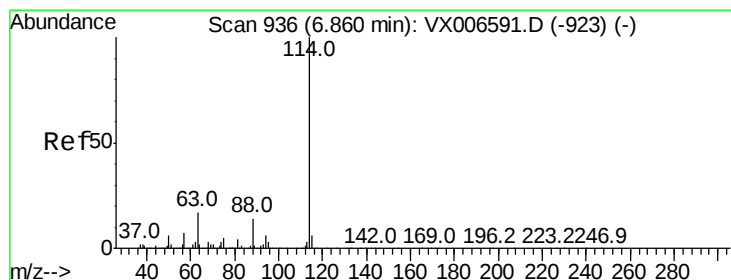
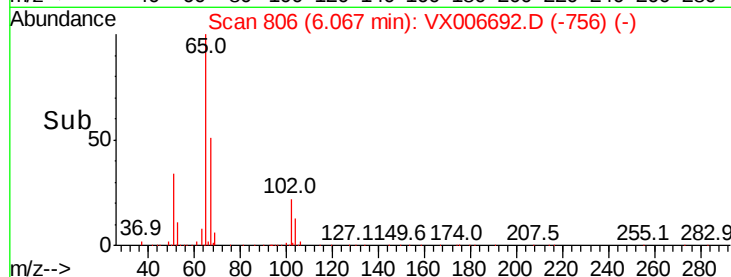
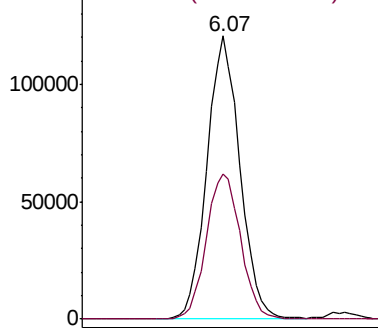
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

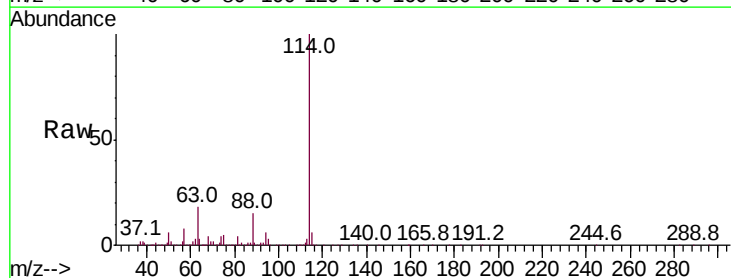
Tgt Ion: 114 Resp: 856417

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

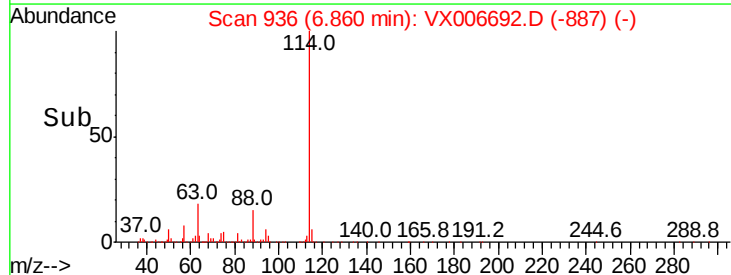
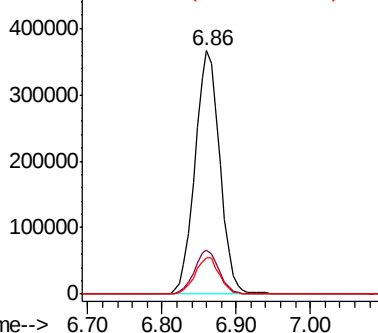
88 14.9 0.0 28.8

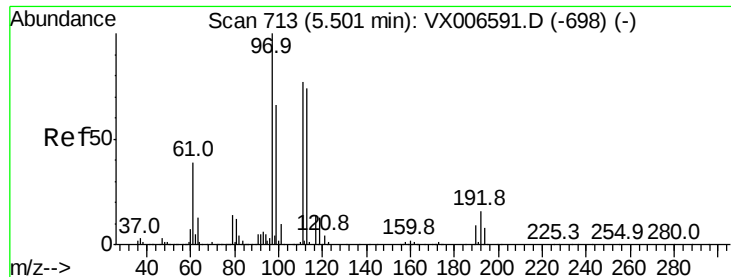


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.330 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

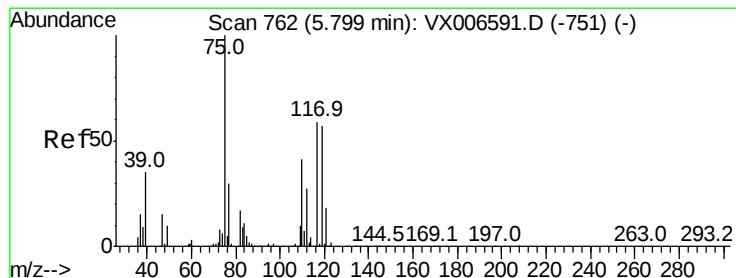
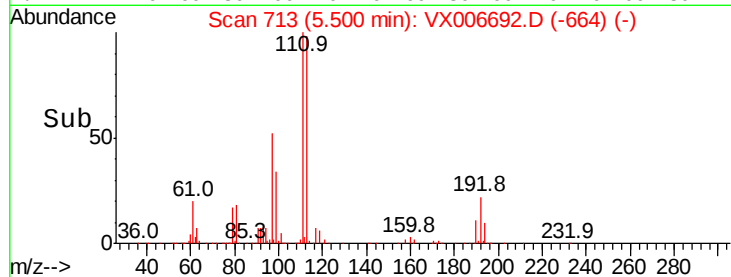
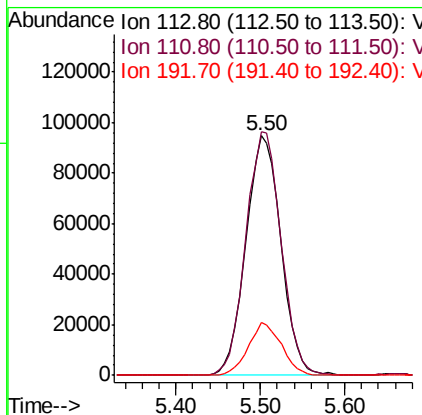
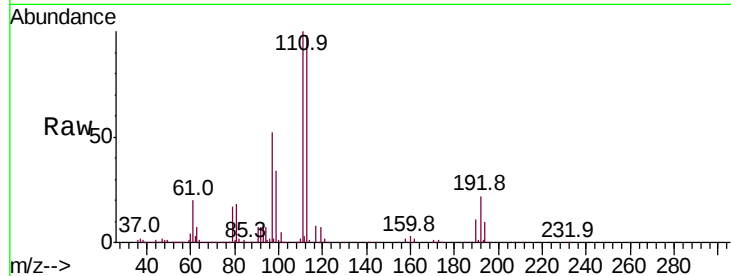
ClientSampleId :

VX1220WBSD02

Tot Ion:	113	Resp:	267160
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.6	122.4
192	20.9	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.856 ug/l

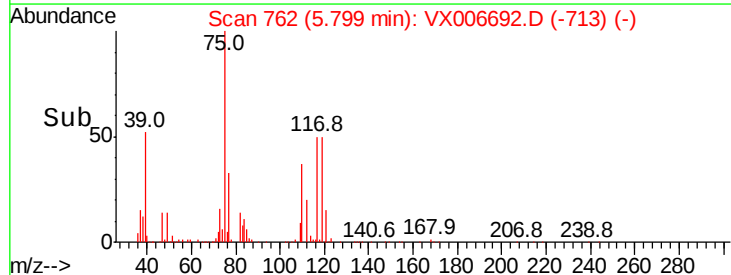
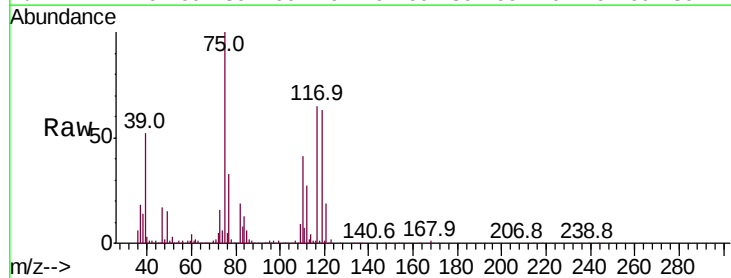
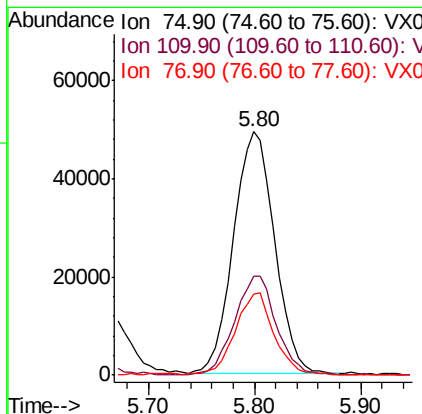
RT: 5.80 min Scan# 762

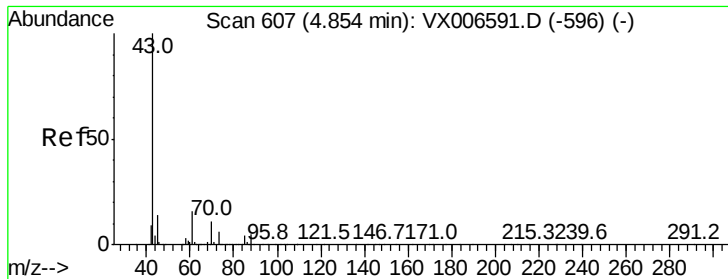
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion:	75	Resp:	133751
Ion Ratio	Lower	Upper	
75	100		
110	41.7	20.2	60.5
77	31.6	24.8	37.2





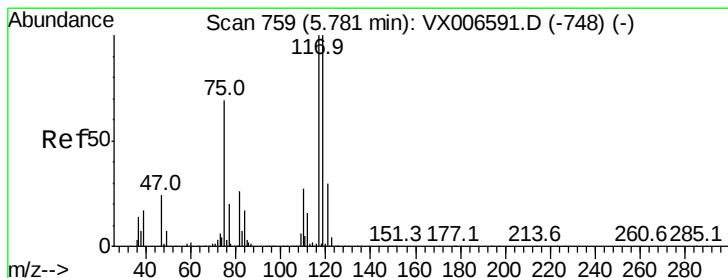
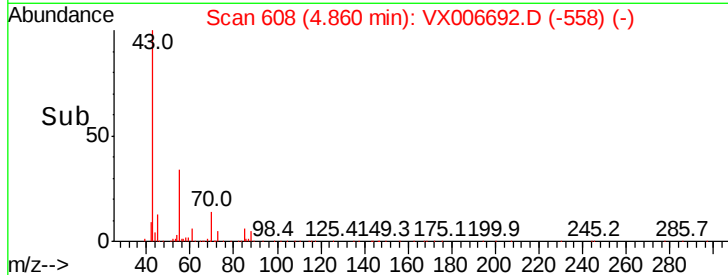
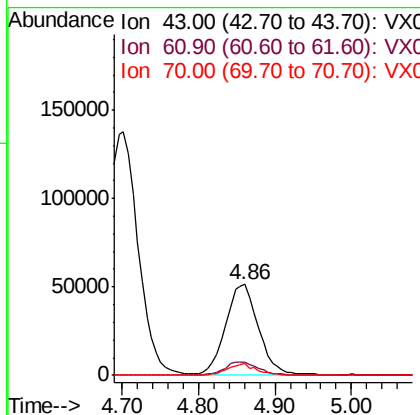
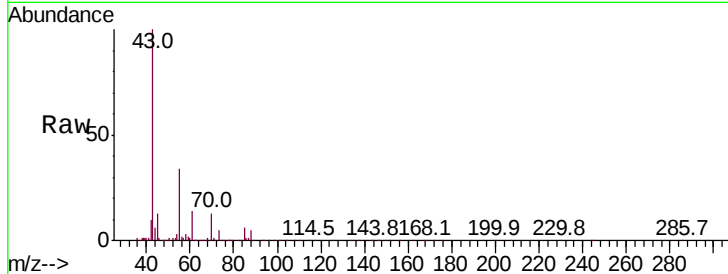
#37
Ethyl Acetate
Concen: 20.558 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleID :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	11.5	9.7	14.5

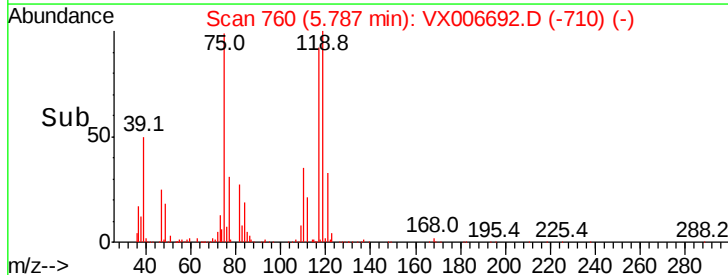
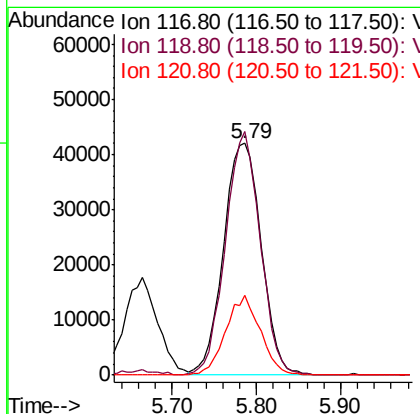
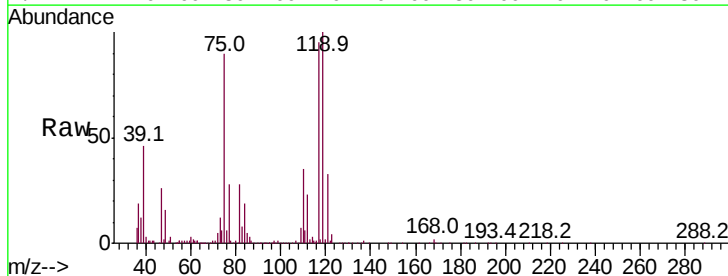
Manual Integrations
APPROVED

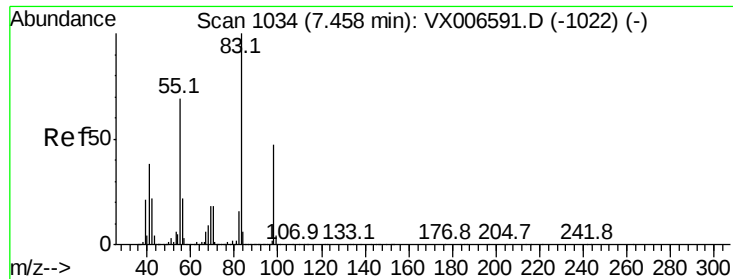
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#38
Carbon Tetrachloride
Concen: 18.608 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.6	79.4	119.2
121	34.5	24.0	36.0





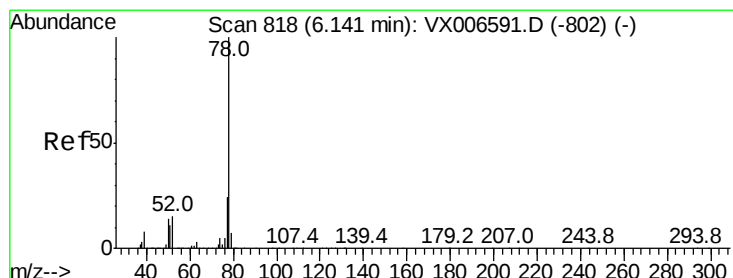
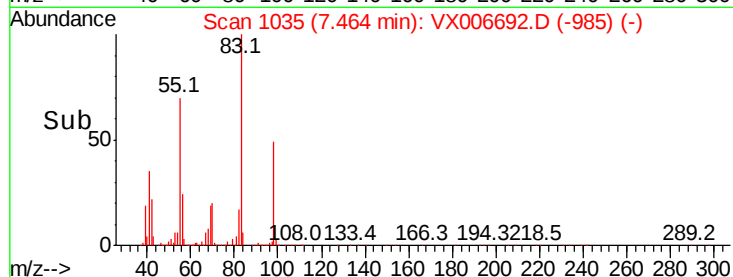
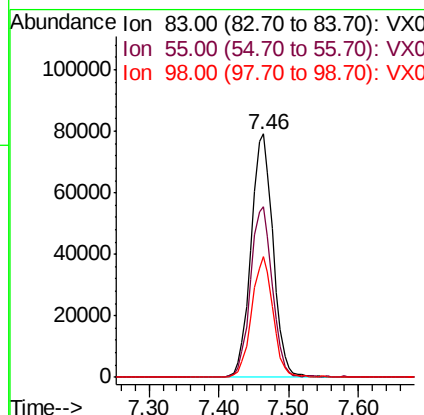
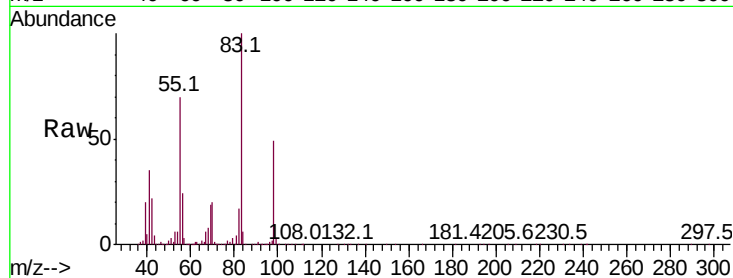
#39
Methvlcvclohexane
Concen: 18.575 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	54.9	82.3
98	49.3	37.9	56.9

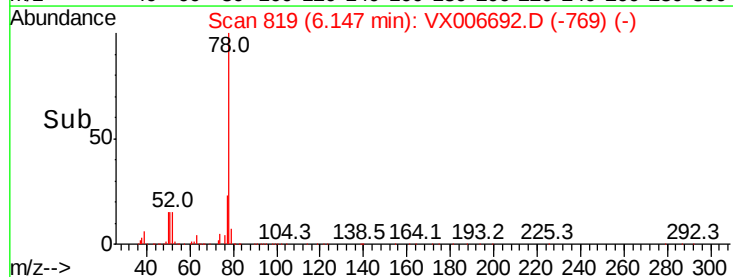
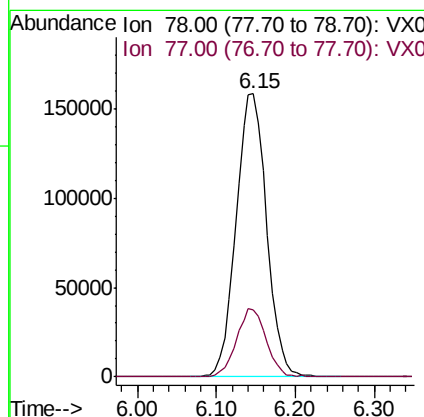
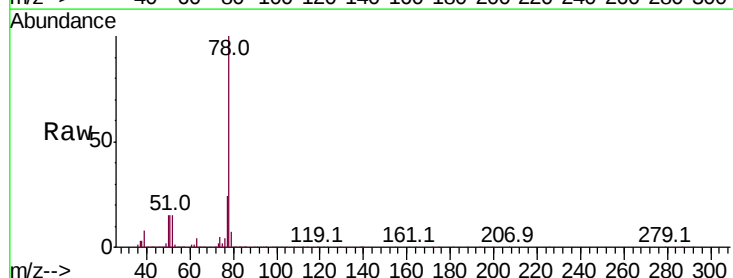
Manual Integrations
APPROVED

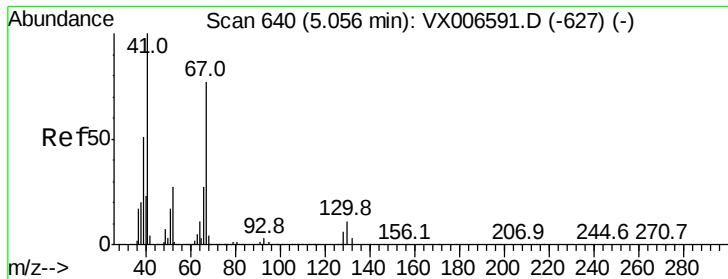
MMDadoda
12/21/2018 10:19:29 AM



#40
Benzene
Concen: 19.761 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





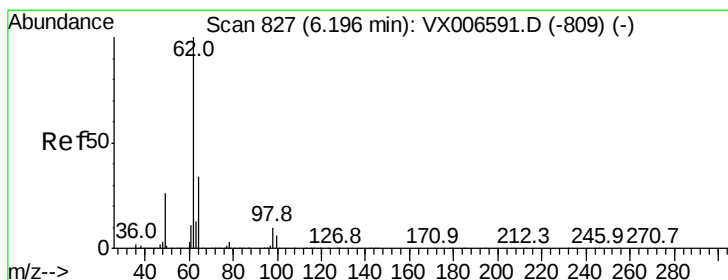
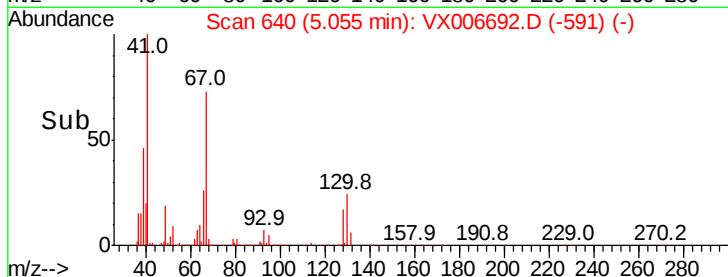
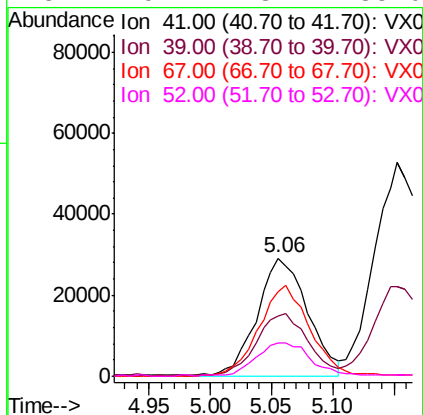
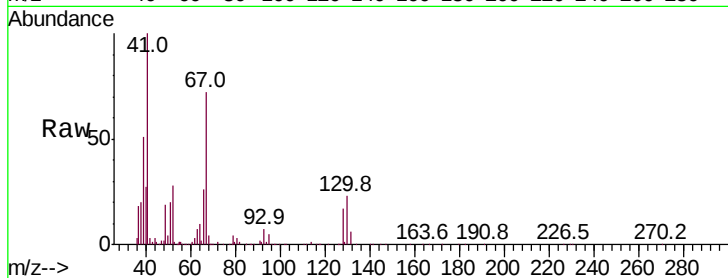
#41
Methacrylonitrile
Concen: 21.193 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.8	64.2	
67	77.5	62.1	93.1	
52	29.7	23.4	35.0	

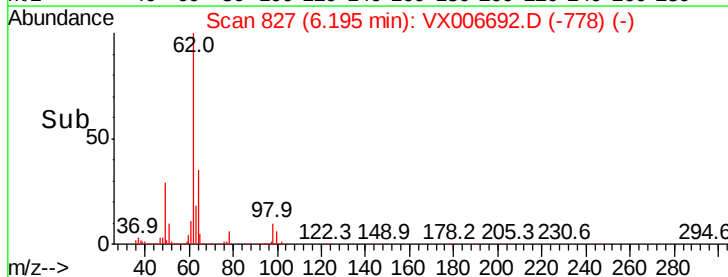
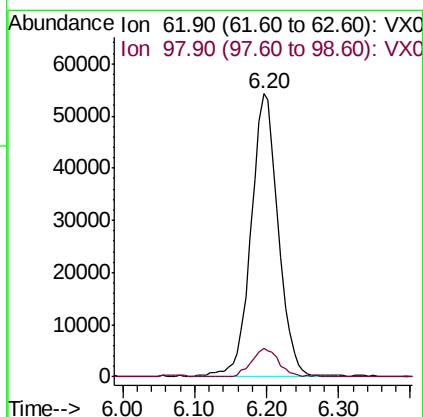
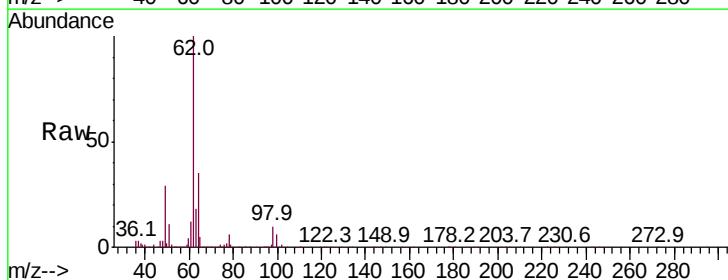
Manual Integrations
APPROVED

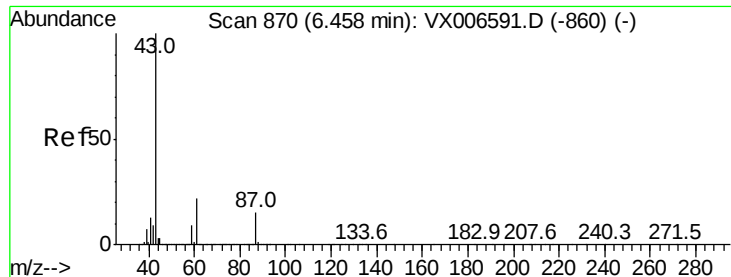
MMDadoda
12/21/2018 10:19:29 AM



#42
1,2-Dichloroethane
Concen: 19.427 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.2	





#43

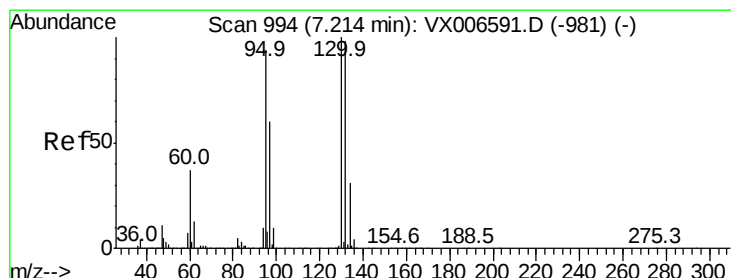
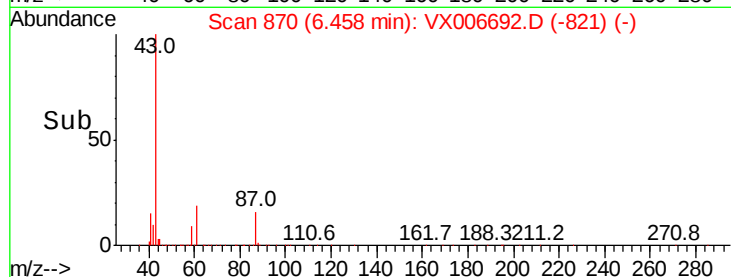
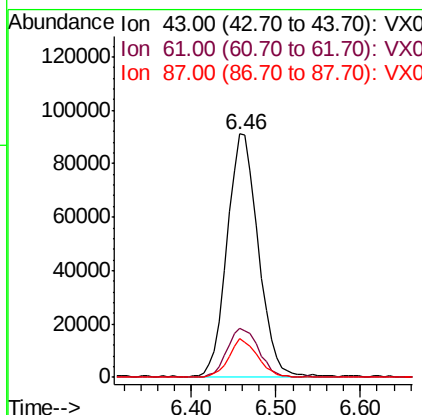
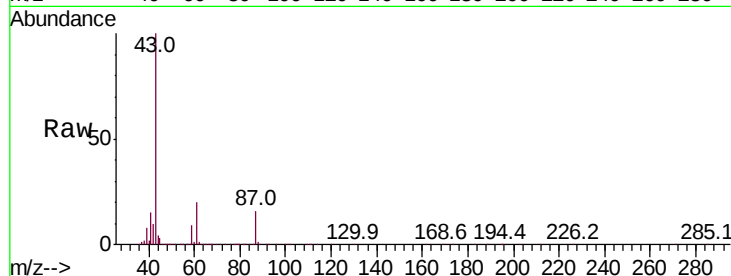
Isopropyl Acetate
 Concen: 20.304 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.8	25.2
87	14.6	12.4	18.6

Manual Integrations
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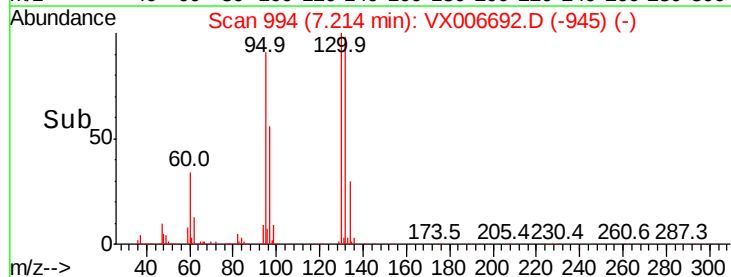
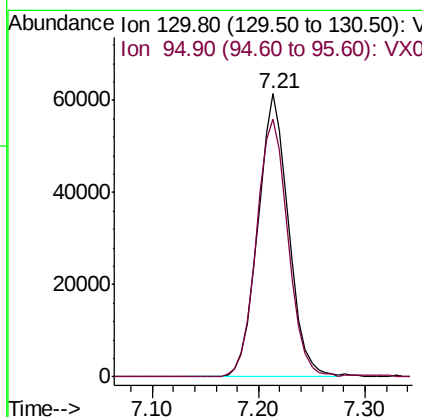
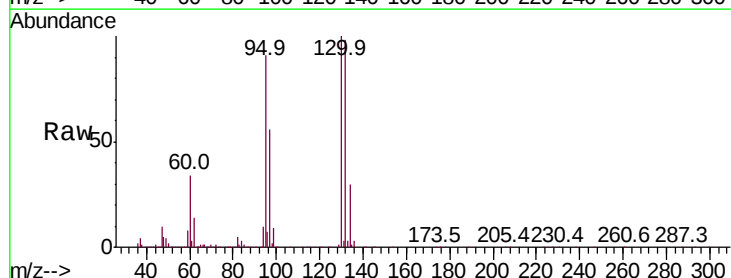
MMDadoda
 12/21/2018 10:19:29 AM

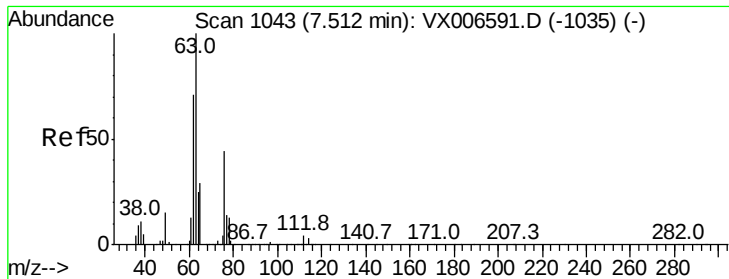


#44

Trichloroethene
 Concen: 18.929 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.335 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 63 Resp: 106695

Ion Ratio Lower Upper

63 100

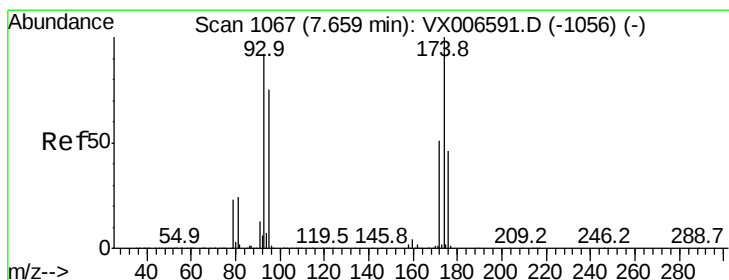
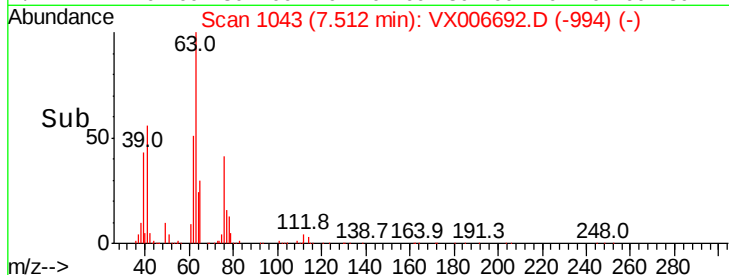
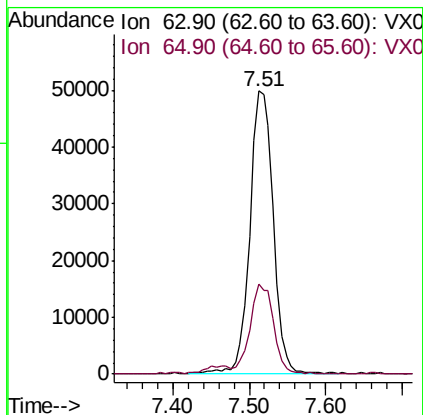
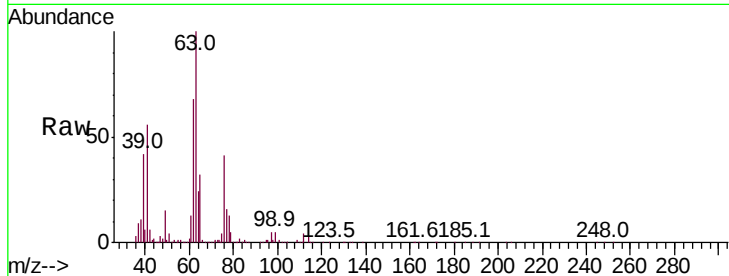
65 31.6 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.579 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

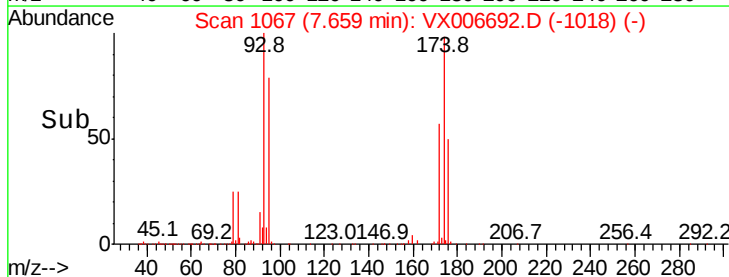
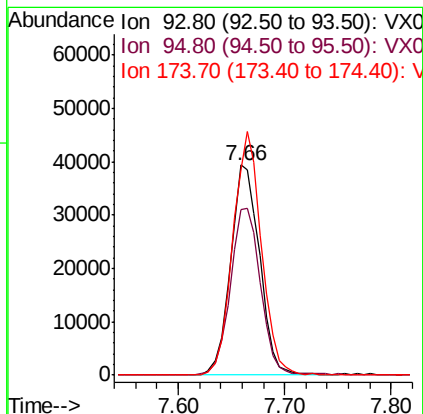
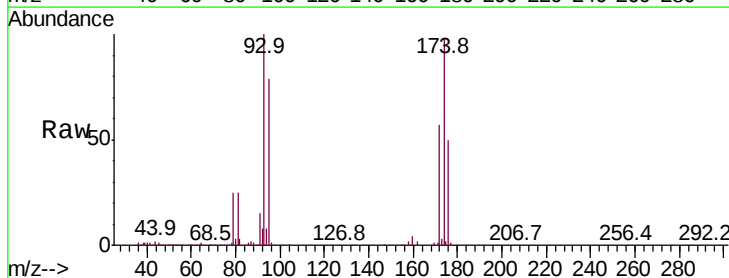
Tgt Ion: 93 Resp: 75562

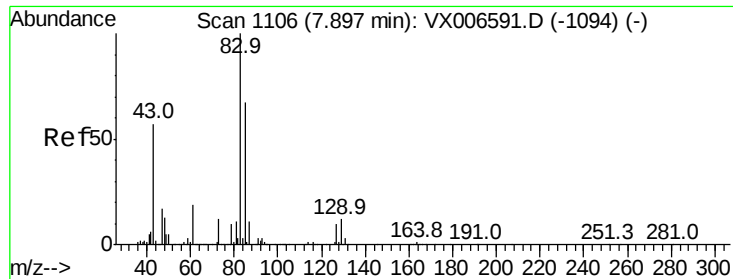
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 113.4 91.0 136.4





#47

Bromodichloromethane

Concen: 18.898 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

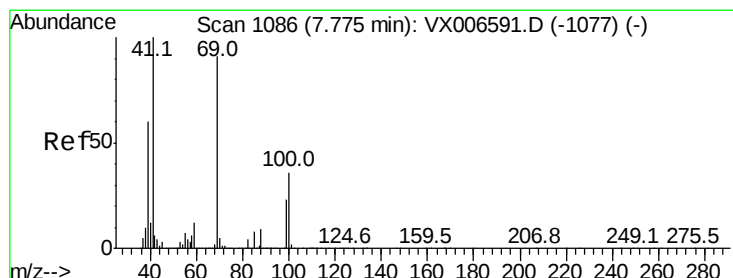
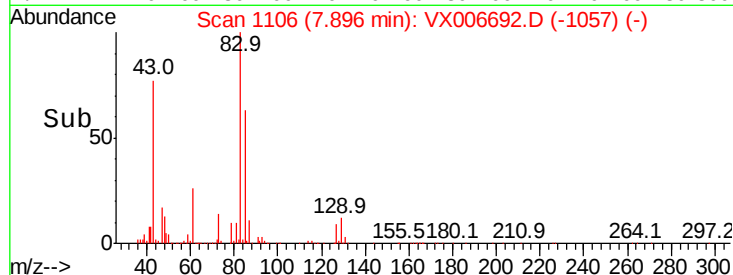
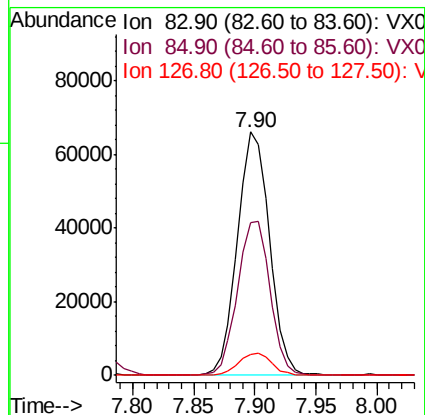
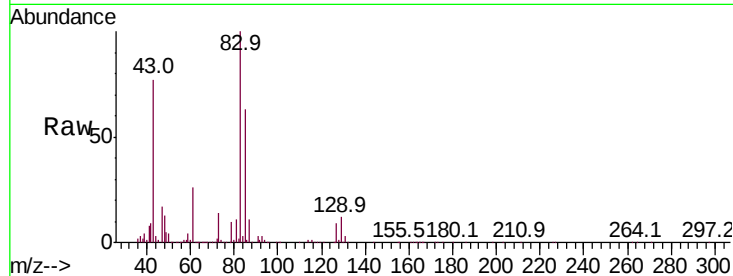
ClientSampleId :

VX1220WBSD02

Tot Ion:	83	Resp:	121086
Ion Ratio	Lower	Upper	
83	100		
85	62.5	53.2	79.8
127	8.7	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.837 ug/l

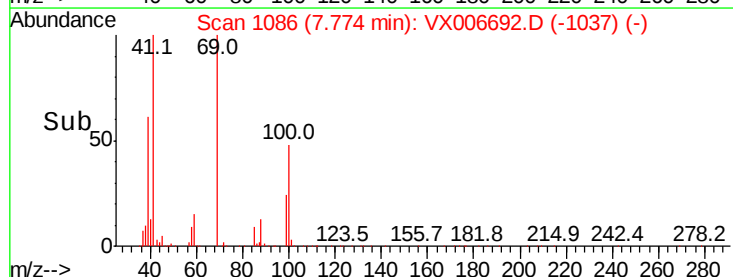
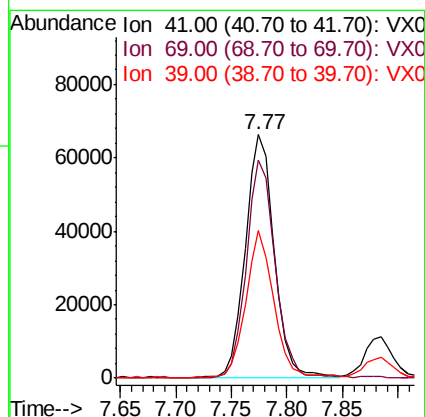
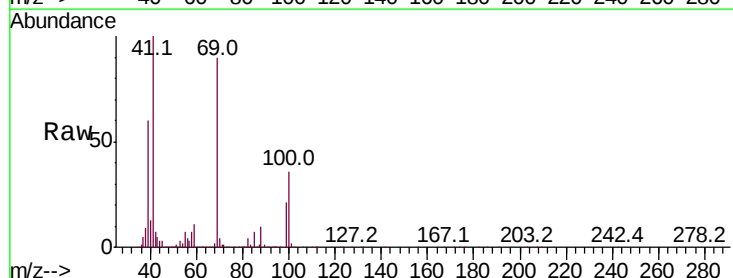
RT: 7.77 min Scan# 1086

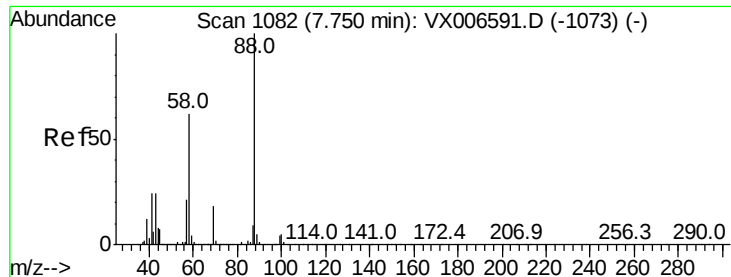
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion:	41	Resp:	119026
Ion Ratio	Lower	Upper	
41	100		
69	90.0	72.4	108.6
39	57.2	45.8	68.8





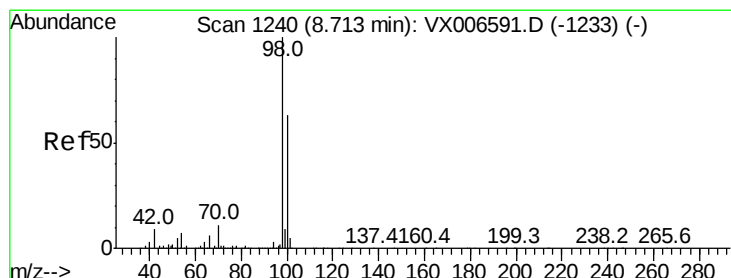
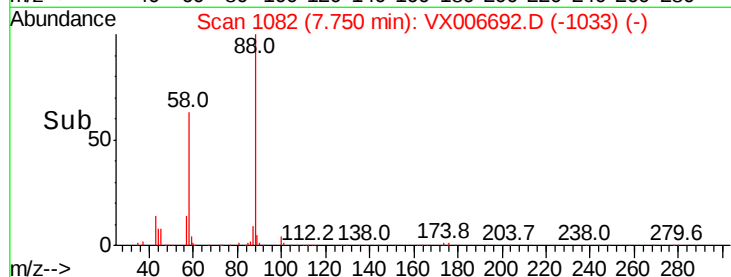
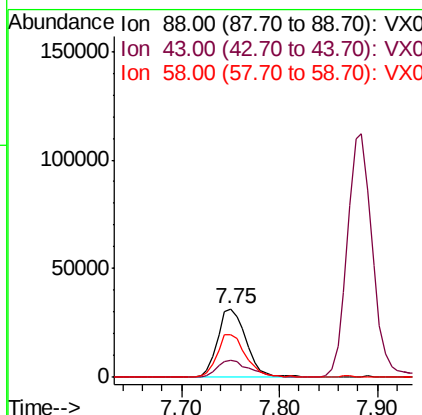
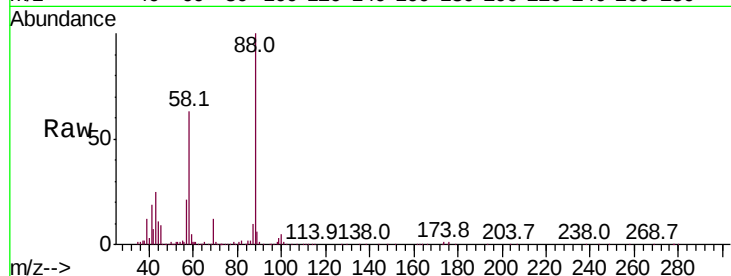
#49
1,4-Dioxane
Concen: 417.158 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	22.2	33.4
58	64.5	51.0	76.4

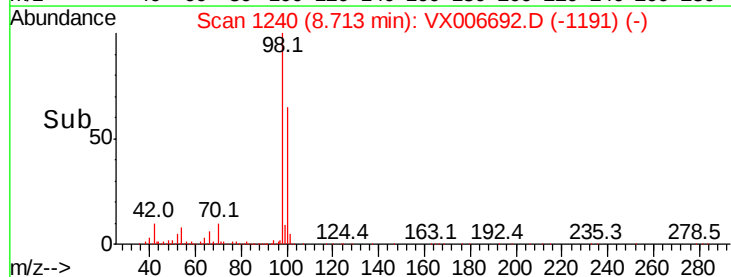
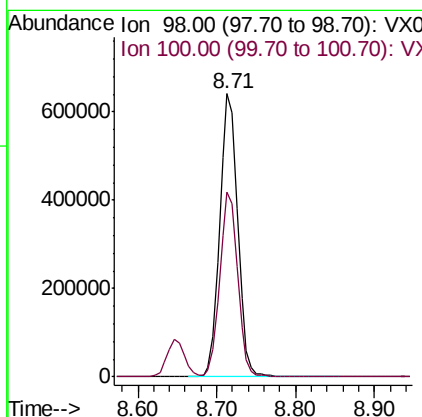
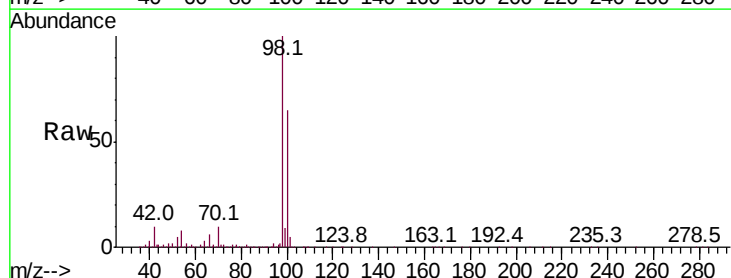
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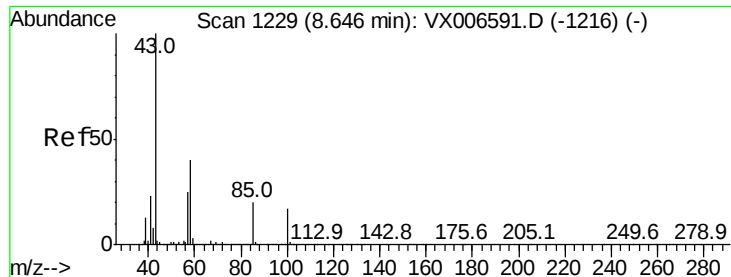
MMDadoda
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#50
Toluene-d8
Concen: 49.931 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0





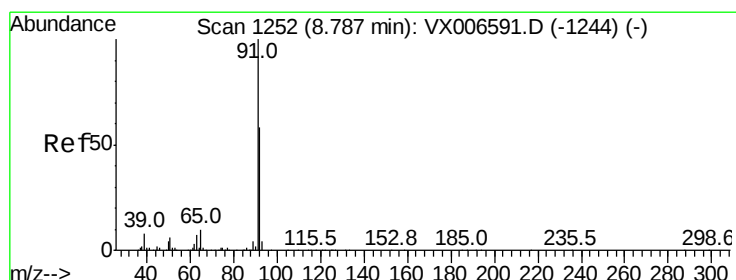
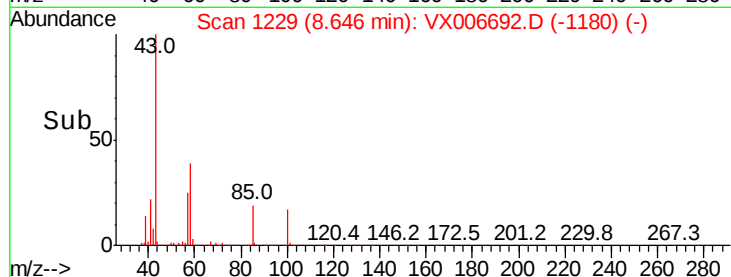
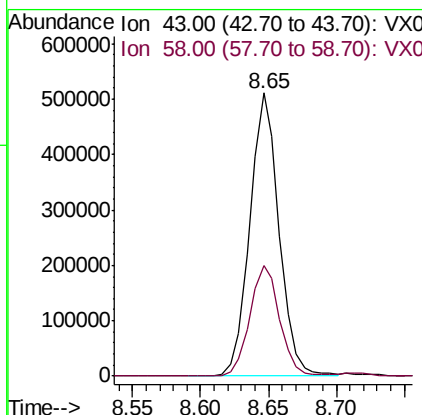
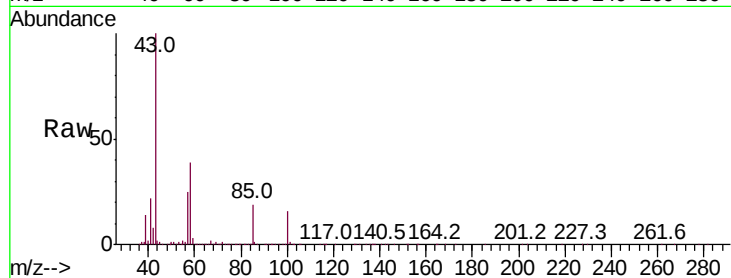
#51
4-Methyl-2-Pentanone
Concen: 107.707 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.8	47.6

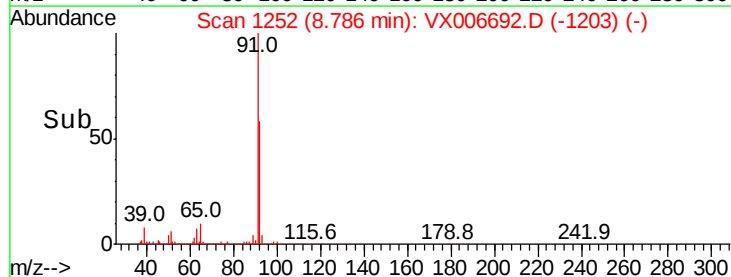
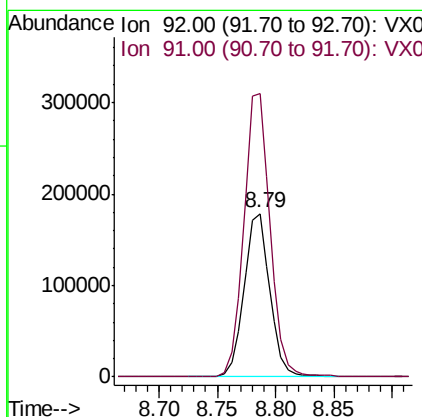
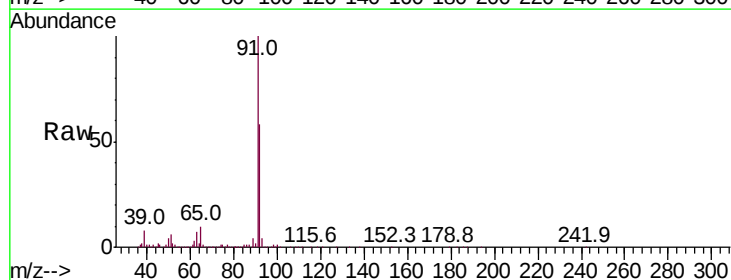
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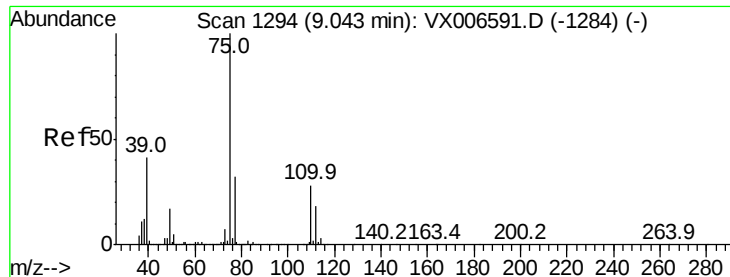
MMDadoda
12/21/2018 10:19:29 AM



#52
Toluene
Concen: 19.847 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 17.607 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 75 Resp: 120994

Ion Ratio Lower Upper

75 100

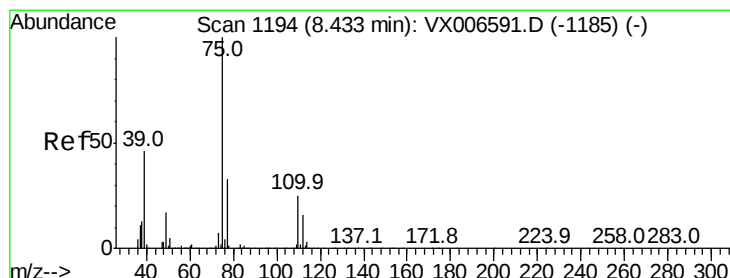
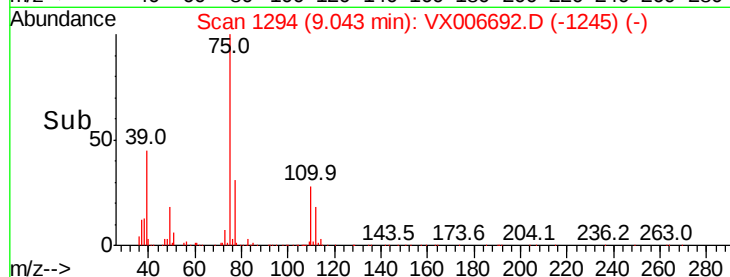
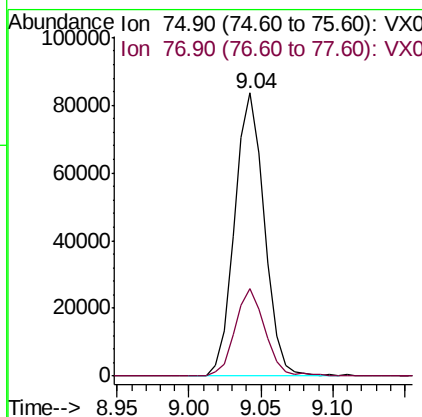
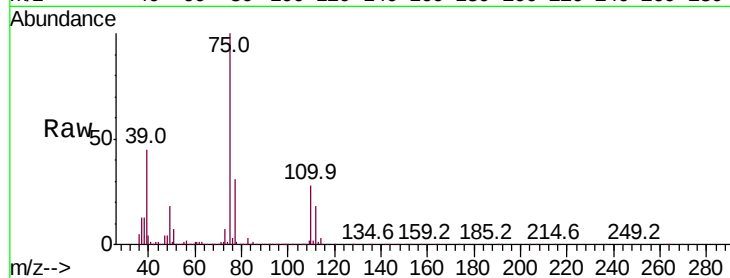
77 30.8 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.607 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

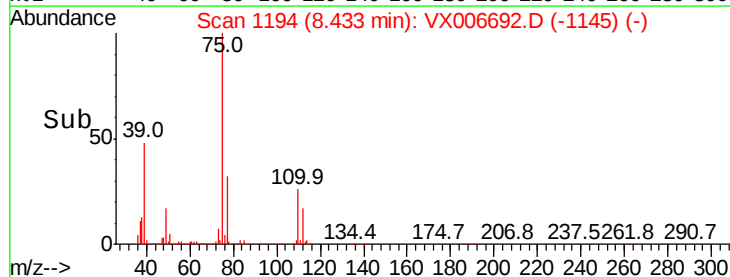
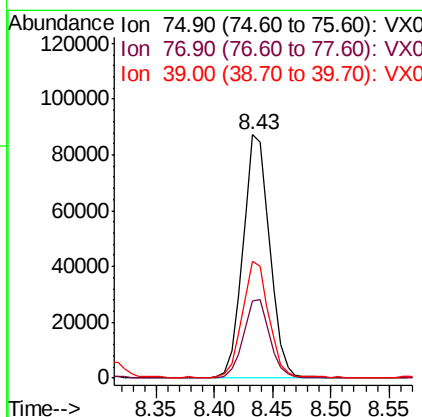
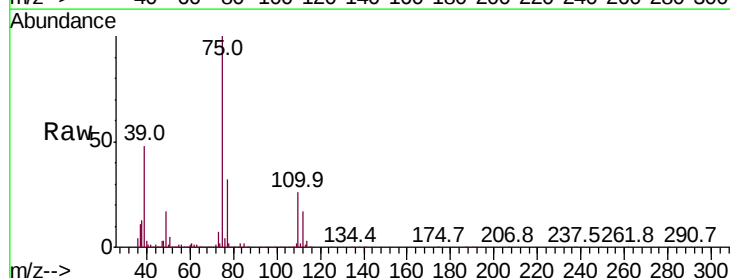
Tgt Ion: 75 Resp: 140295

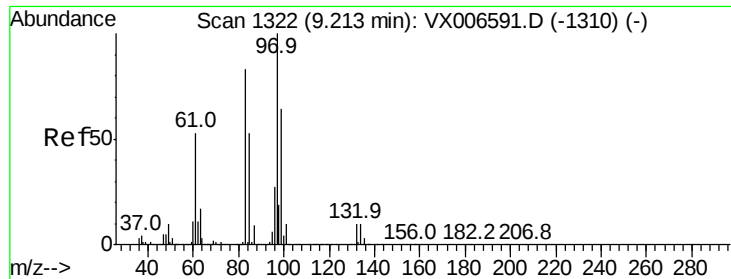
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 47.7 36.7 55.1





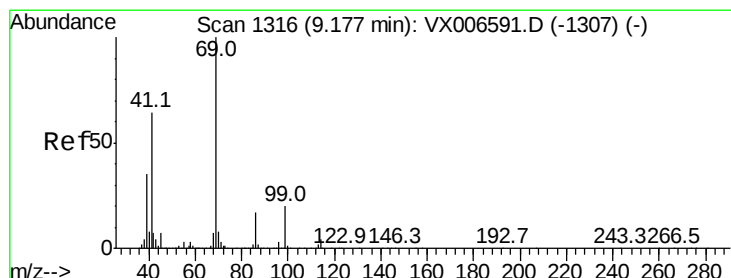
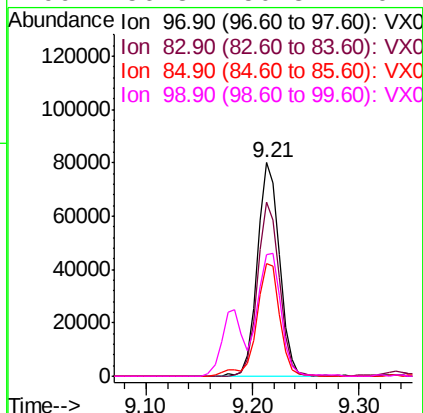
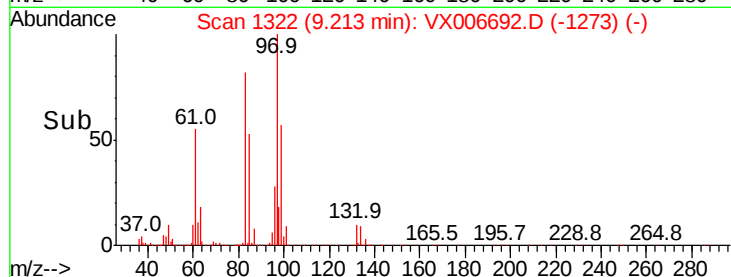
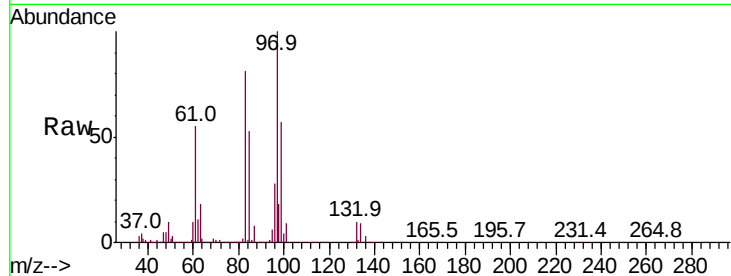
#55
 1,1,2-Trichloroethane
 Concen: 20.670 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	117846		
83	81.3	66.6	99.8	
85	52.4	42.7	64.1	
99	56.8	50.8	76.2	

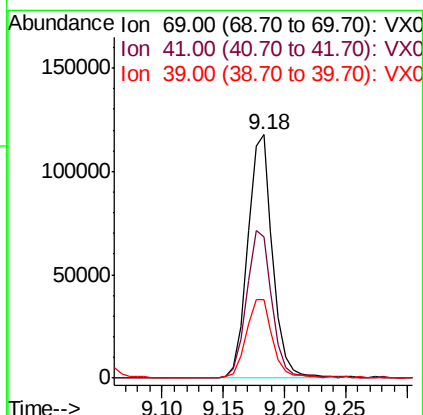
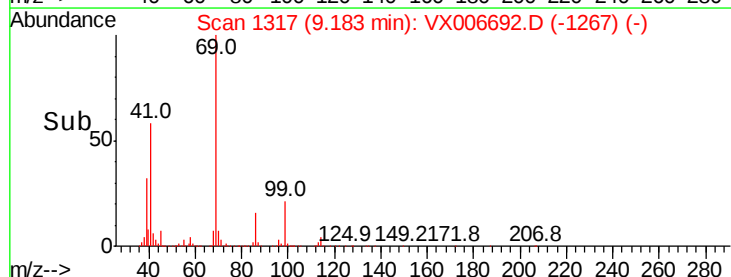
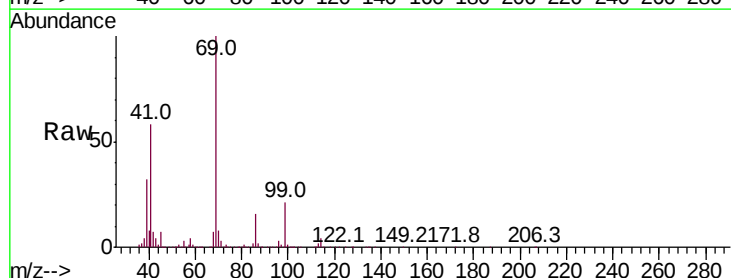
Manual Integrations
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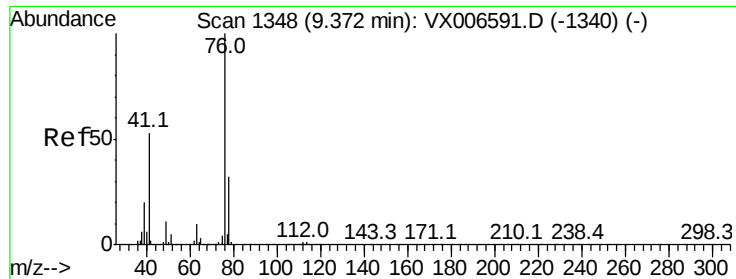
MMDadoda
 12/21/2018 10:19:29 AM



#56
 Ethyl methacrylate
 Concen: 20.563 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	165700		
41	61.6	48.7	73.1	
39	33.4	27.0	40.6	





#57

1,3-Dichloropropane

Concen: 20.039 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 76 Resp: 183813

Ion Ratio Lower Upper

76 100

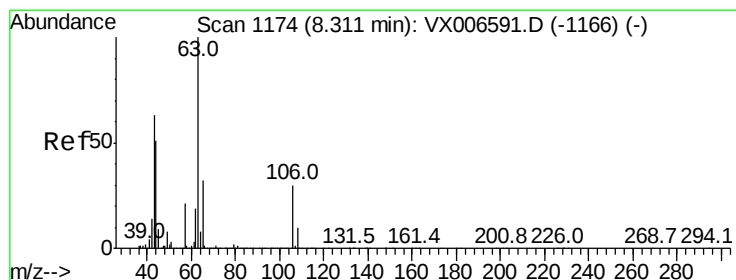
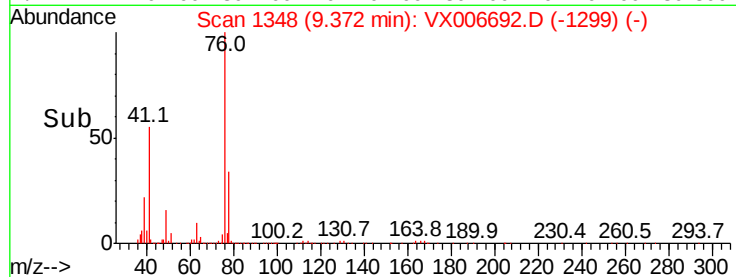
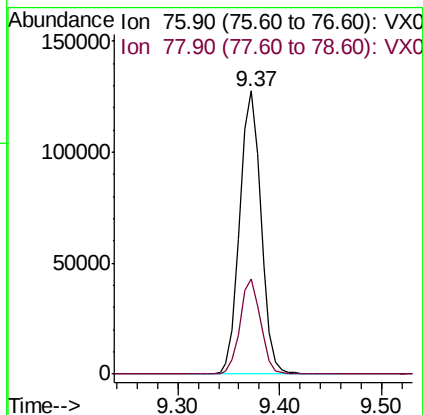
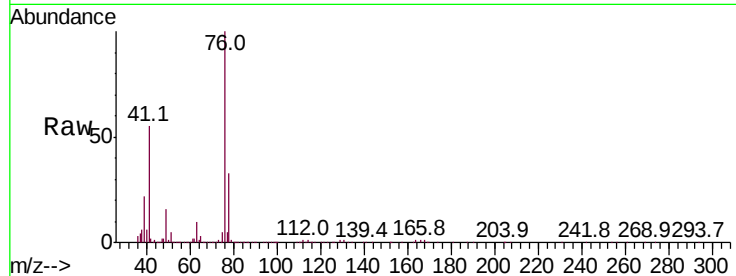
78 32.1 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 104.287 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006692.D

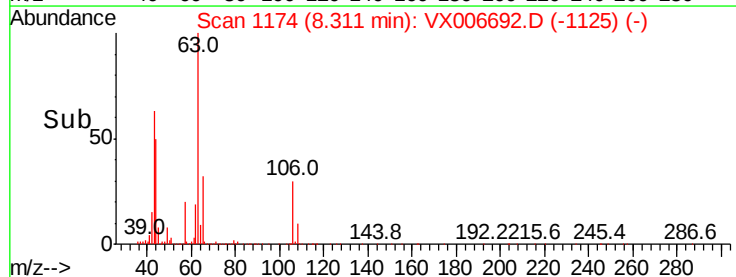
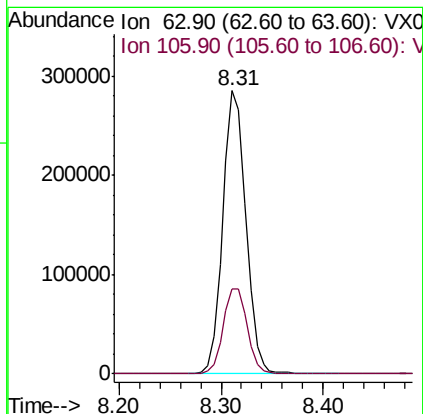
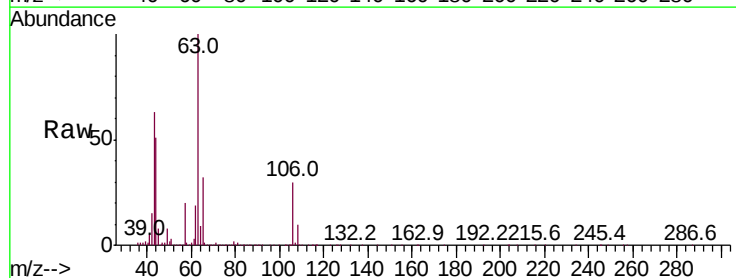
Acq: 20 Dec 2018 23:20

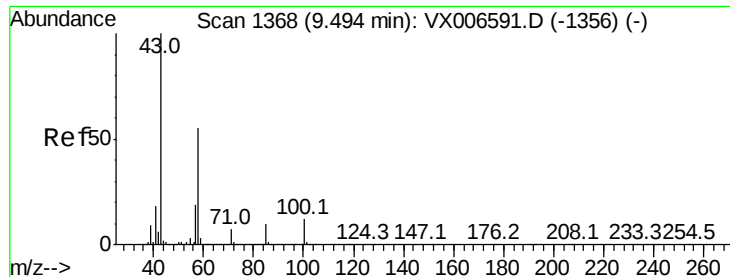
Tgt Ion: 63 Resp: 446711

Ion Ratio Lower Upper

63 100

106 31.4 24.6 36.8





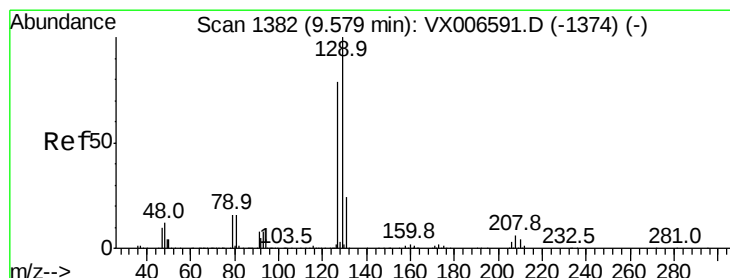
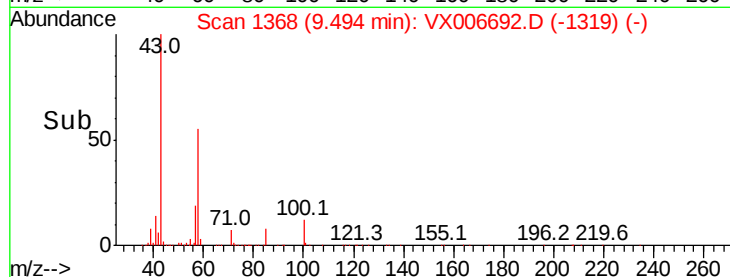
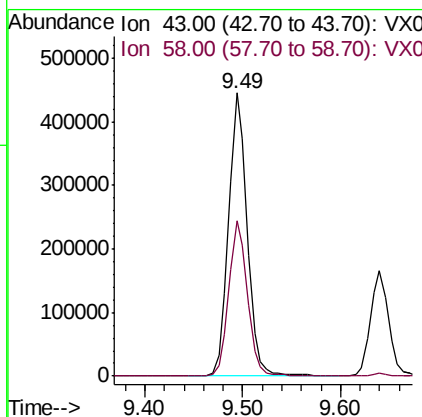
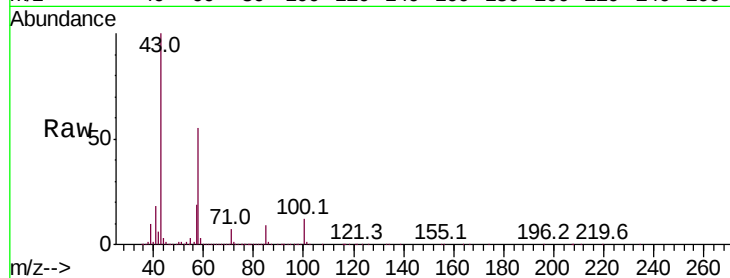
#59
2-Hexanone
Concen: 107.647 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion: 43 Resp: 588667
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.1

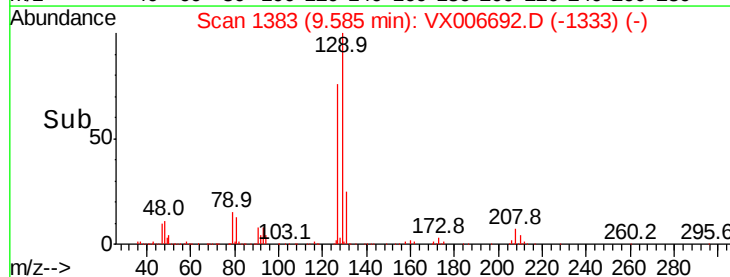
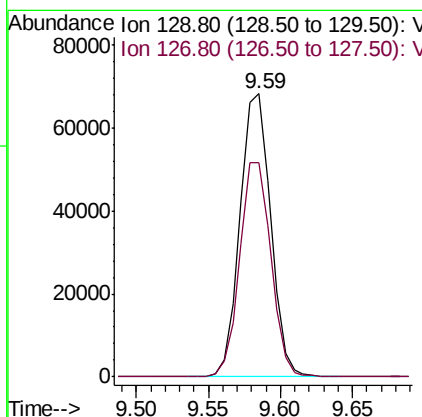
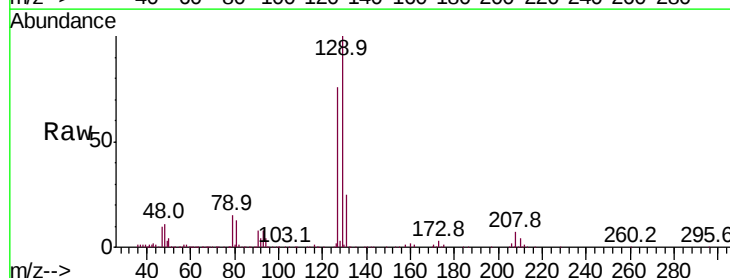
Manual Integrations
APPROVED

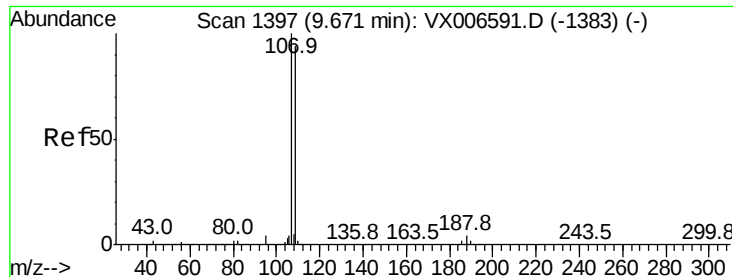
MMDadoda
12/21/2018 10:19:29 AM



#60
Dibromochloromethane
Concen: 18.481 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 129 Resp: 101040
Ion Ratio Lower Upper
129 100
127 77.0 39.3 117.8





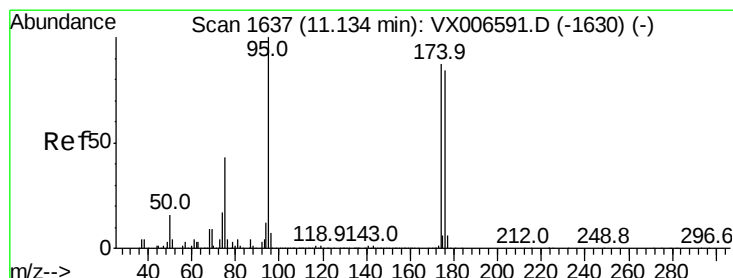
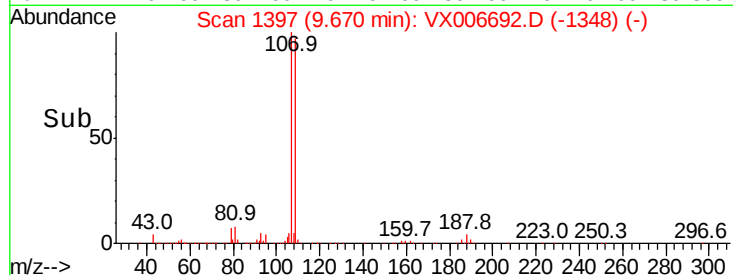
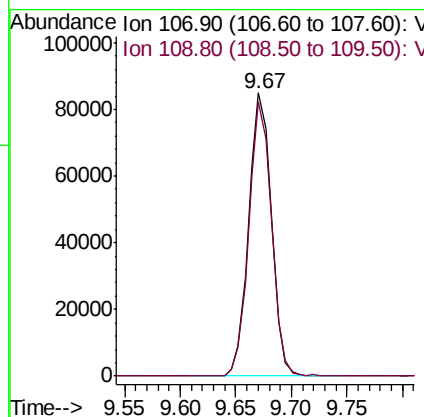
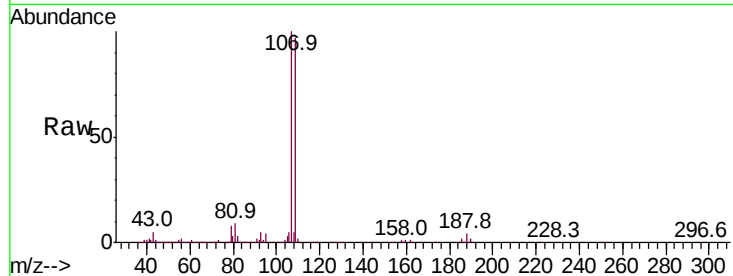
#61
 1,2-Dibromoethane
 Concen: 19.959 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	120965		
109	96.8	75.8	113.6	

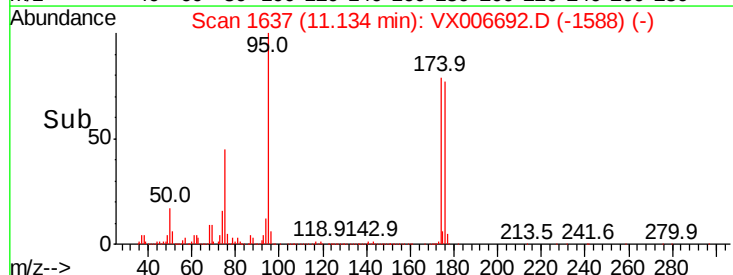
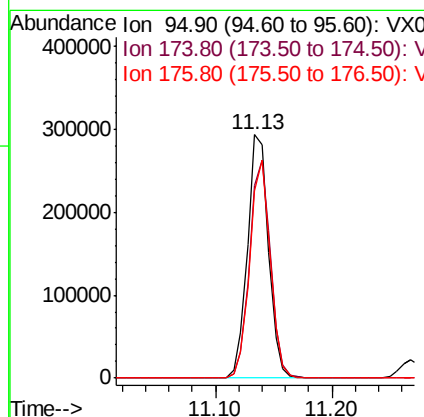
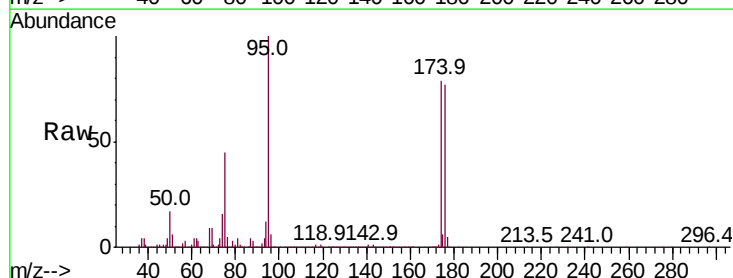
Manual Integrations
 APPROVED

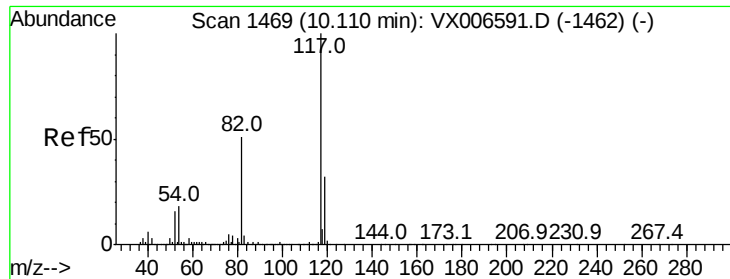
MMDadoda
 12/21/2018 10:19:29 AM



#62
 4-Bromofluorobenzene
 Concen: 50.034 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX006692.D
 Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	374150		
174	89.0	0.0	182.2	
176	86.9	0.0	178.8	





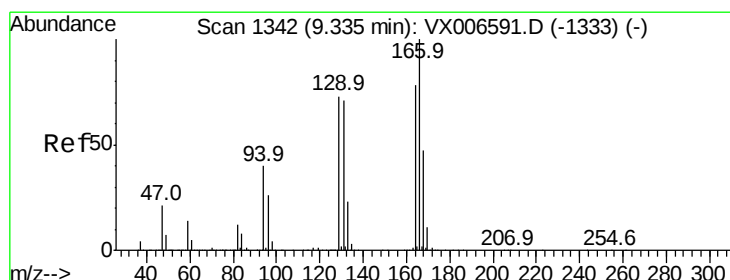
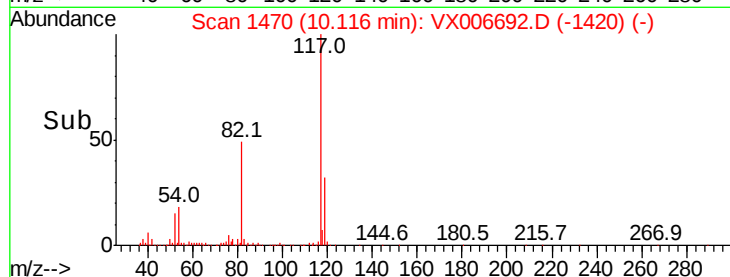
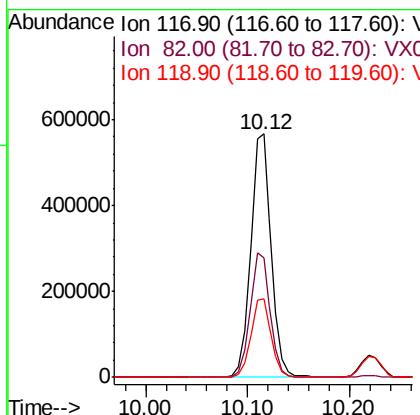
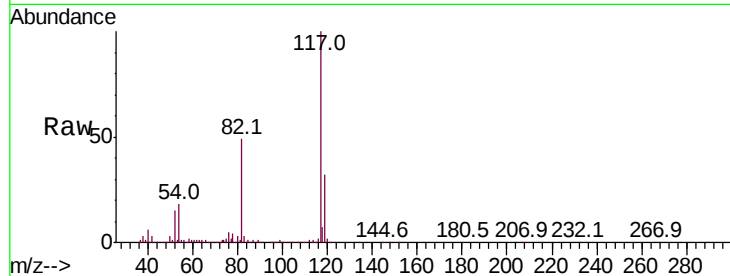
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	49.1	41.0	61.6
119	32.1	25.4	38.0

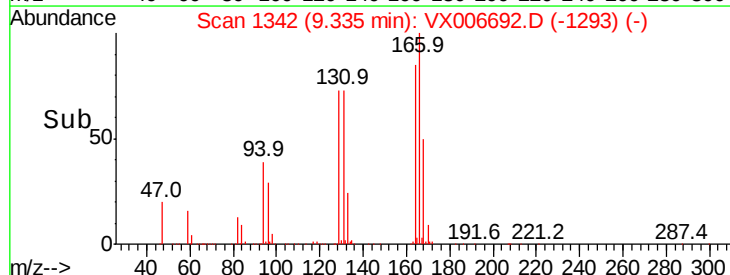
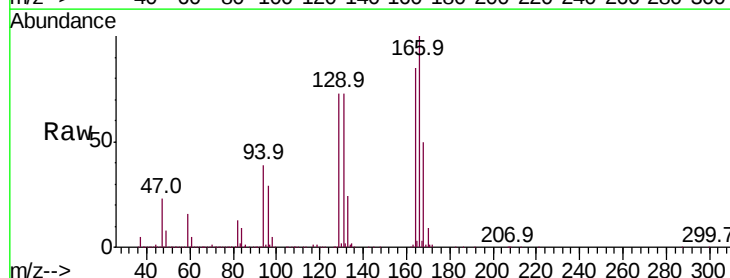
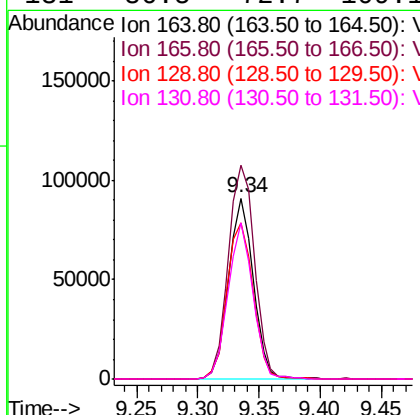
Manual Integrations
APPROVED

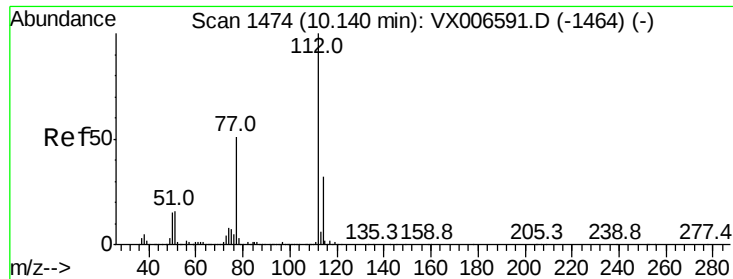
MMDadoda
12/21/2018 10:19:29 AM



#64
Tetrachloroethene
Concen: 20.345 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	118.0	102.5	153.7
129	86.5	75.1	112.7
131	86.5	72.7	109.1





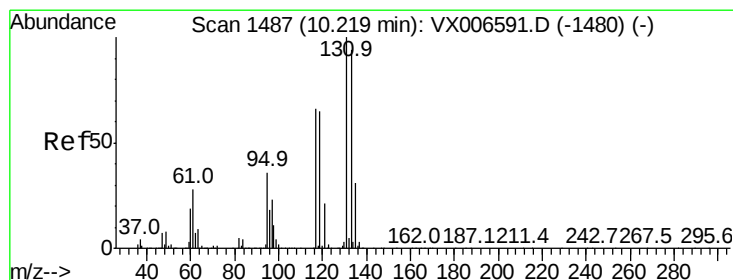
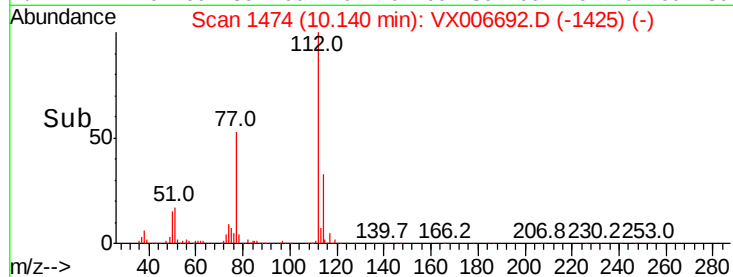
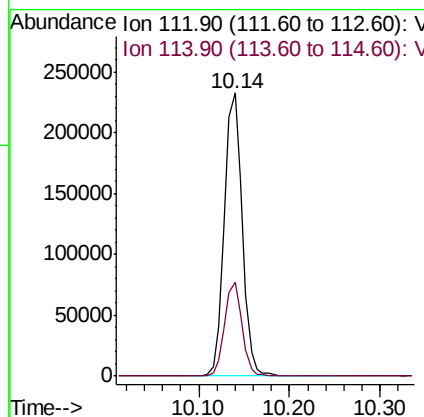
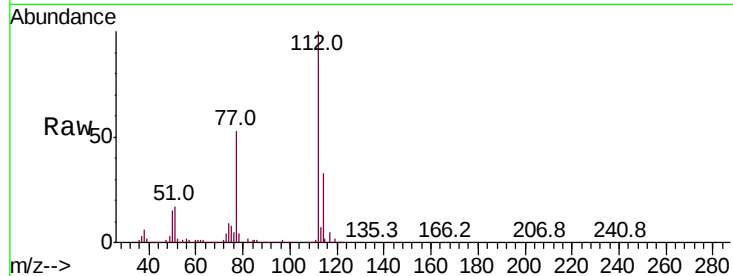
#65
Chlorobenzene
Concen: 19.231 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.3	25.7	38.5

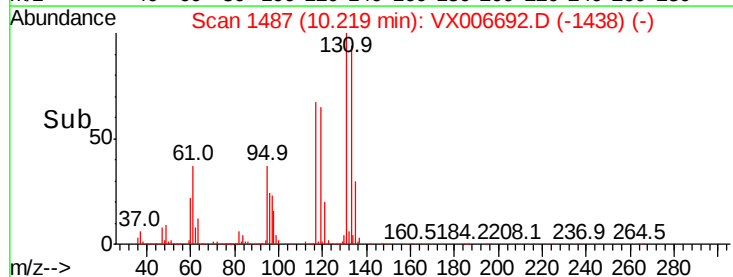
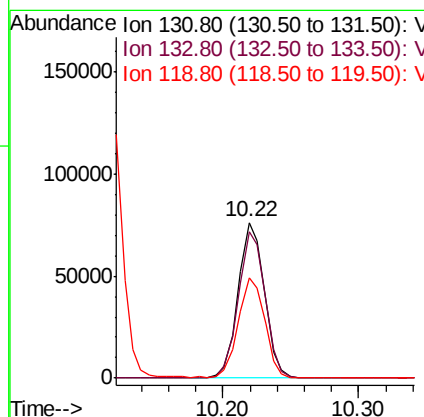
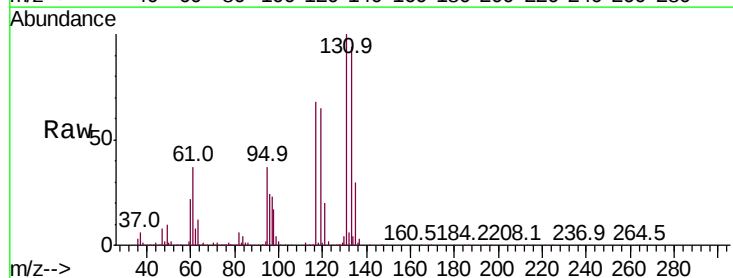
Manual Integrations
APPROVED

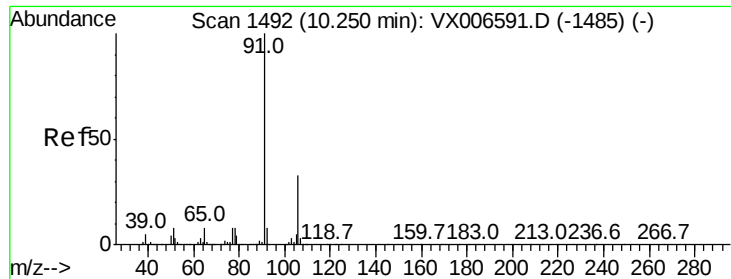
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.609 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.0	144.2
119	65.2	32.6	97.8





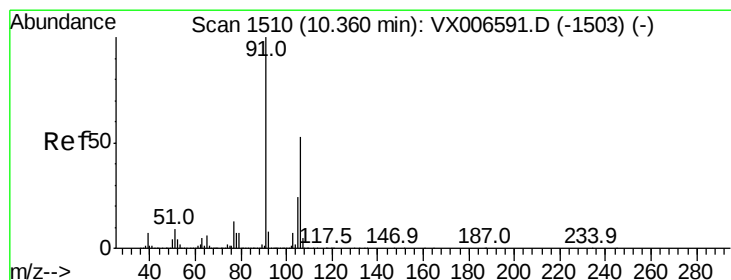
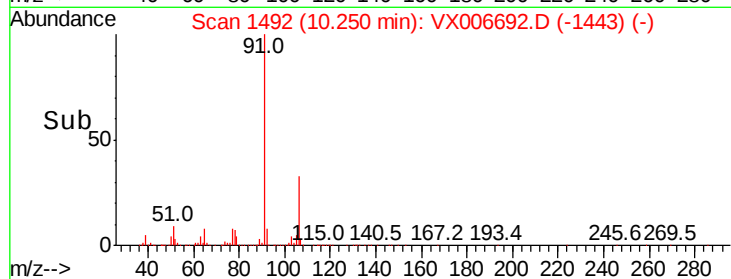
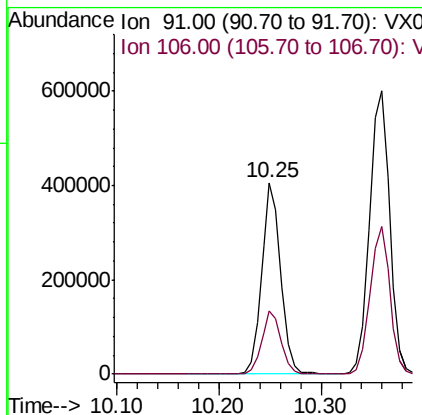
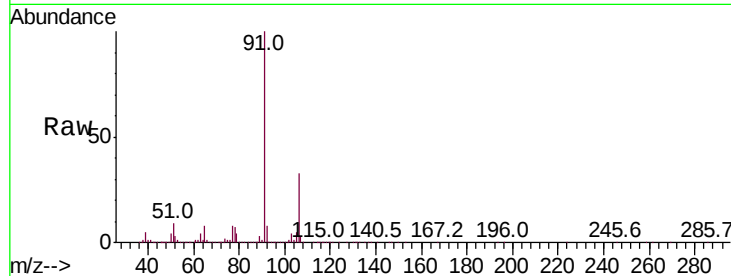
#67
Ethyl Benzene
Concen: 19.325 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion: 91 Resp: 528570
Ion Ratio Lower Upper
91 100
106 33.1 26.4 39.6

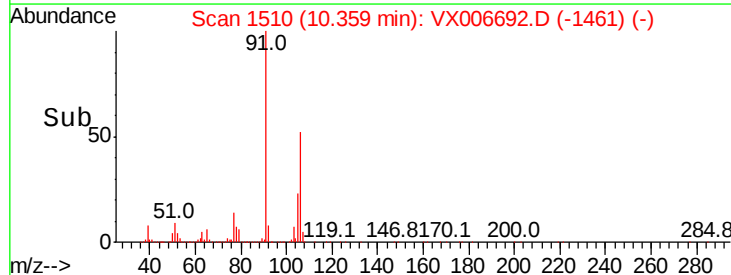
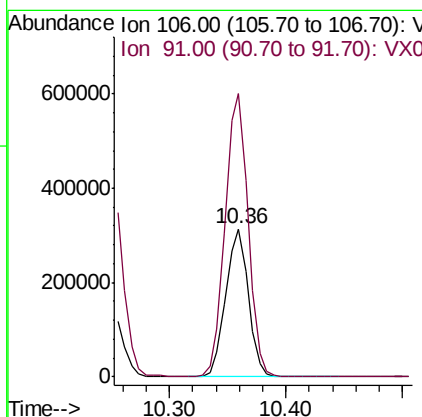
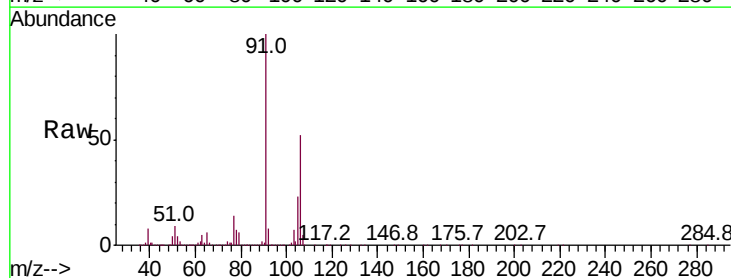
Manual Integrations
APPROVED

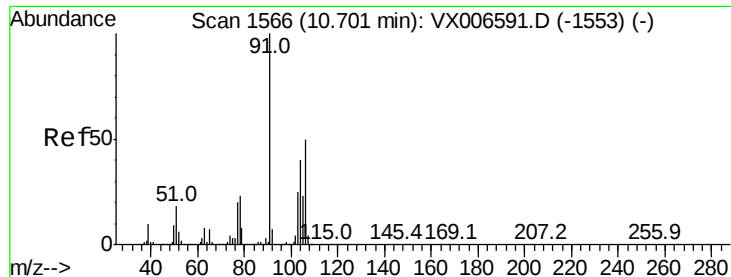
MMDadoda
12/21/2018 10:19:29 AM



#68
m/p-Xylenes
Concen: 39.151 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion: 106 Resp: 422540
Ion Ratio Lower Upper
106 100
91 194.5 155.8 233.6





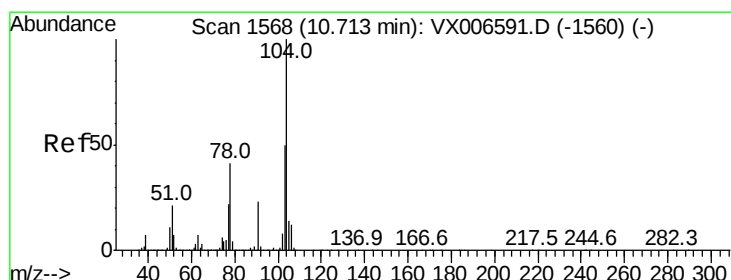
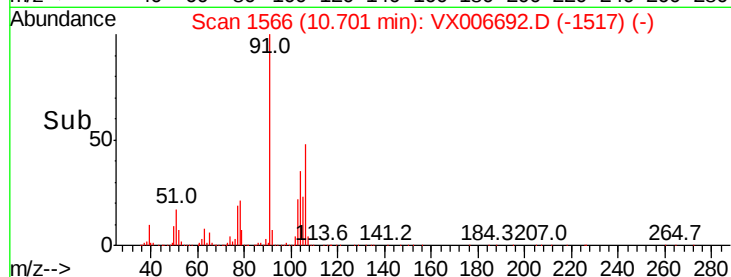
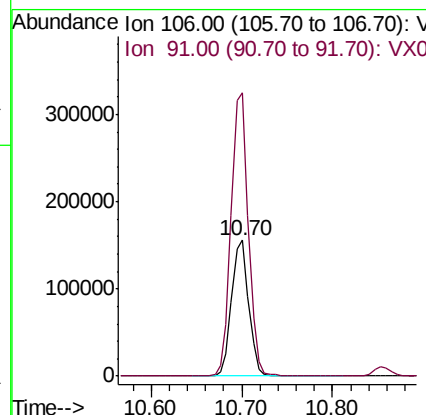
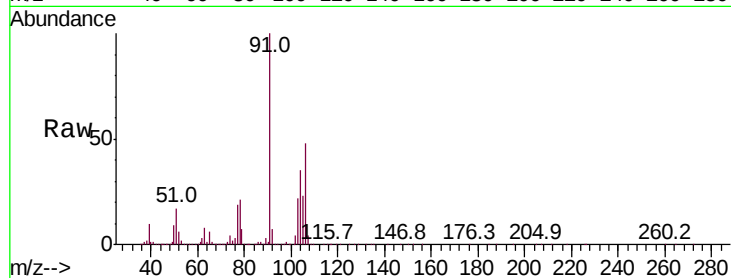
#69
o-Xylene
Concen: 19.252 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	101.3	303.7

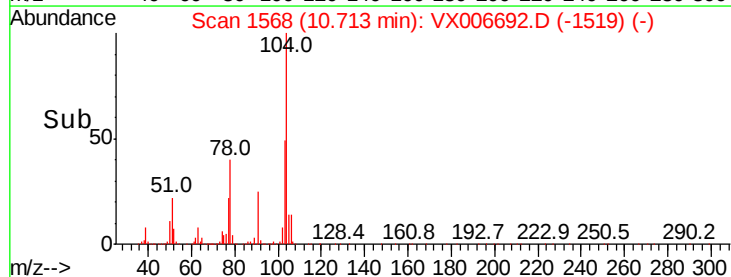
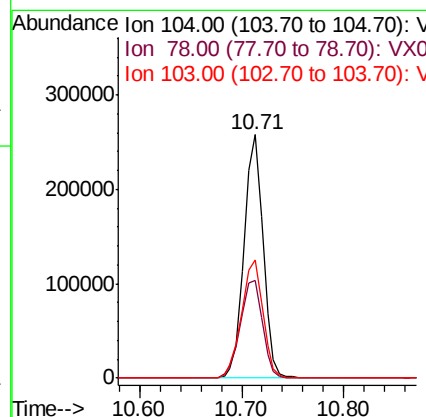
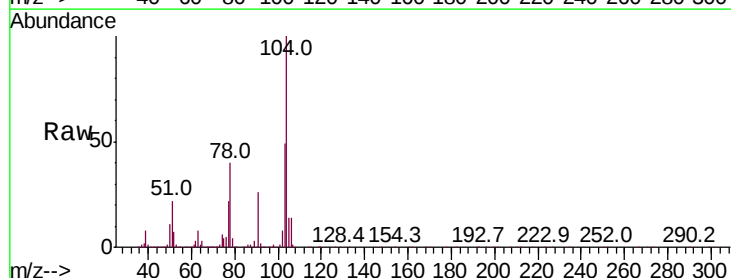
Manual Integrations
APPROVED

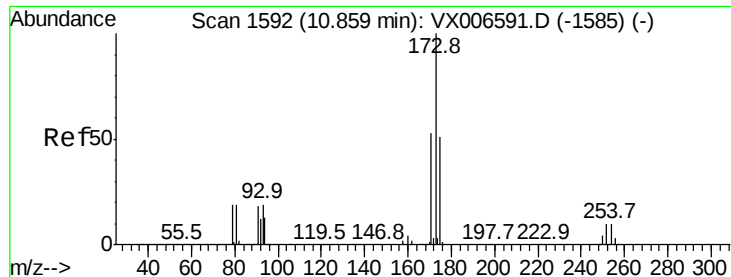
MMDadoda
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#70
Styrene
Concen: 19.753 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	37.7	56.5
103	54.5	43.8	65.8





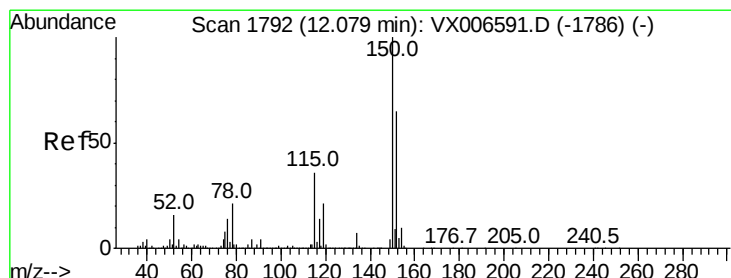
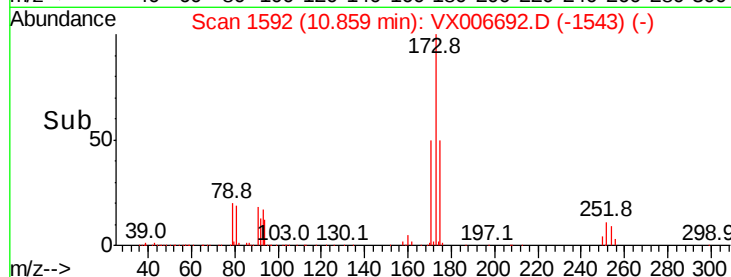
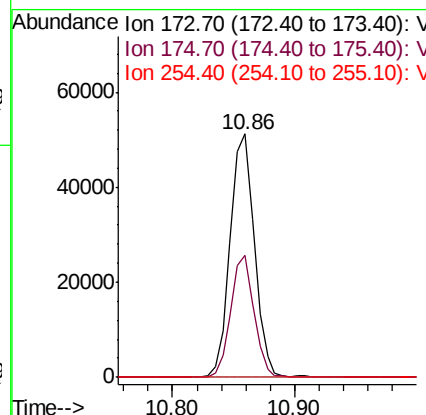
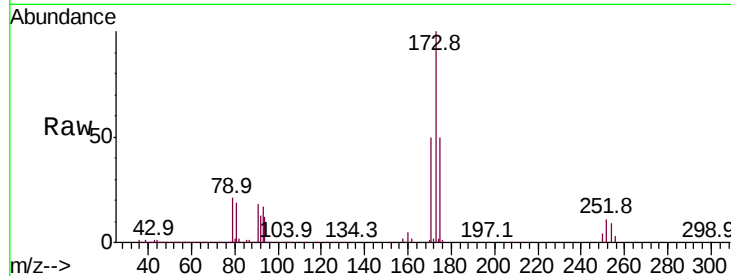
#71
Bromoform
Concen: 18.058 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.7	74.1
254	0.1	0.2	0.2#

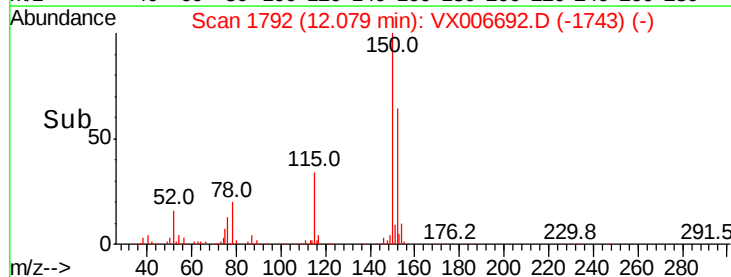
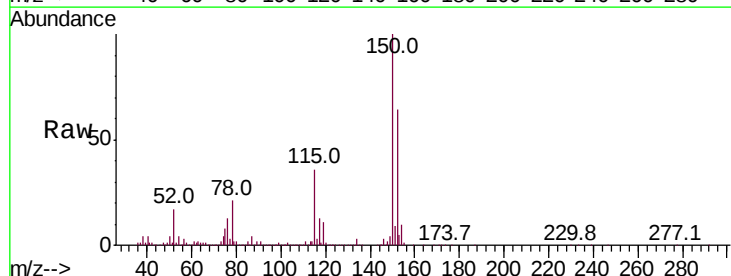
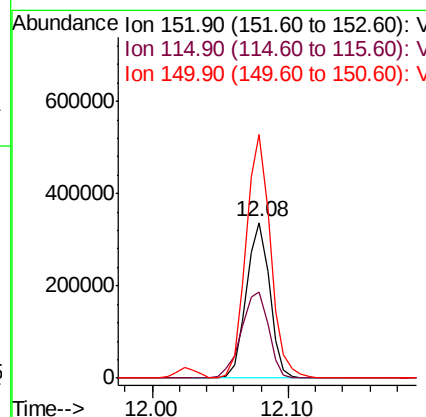
Manual Integrations
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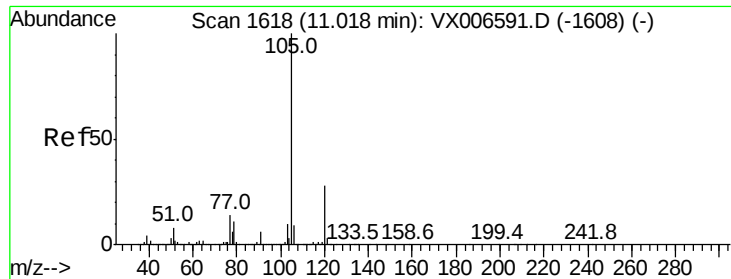
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	39.1	117.2
150	164.5	0.0	344.8





#73

Isopropylbenzene

Concen: 19.915 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 105 Resp: 549296

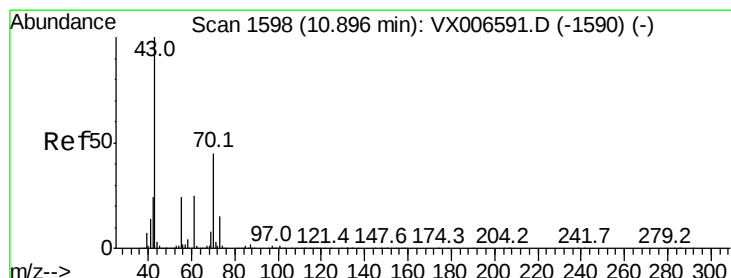
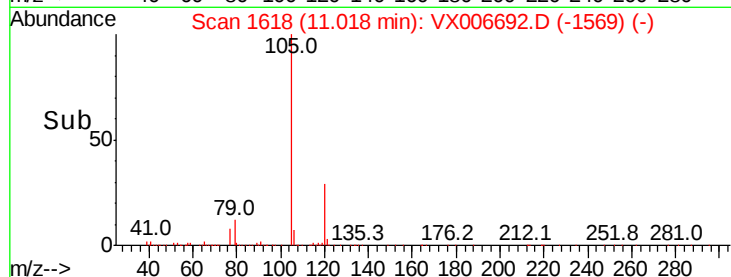
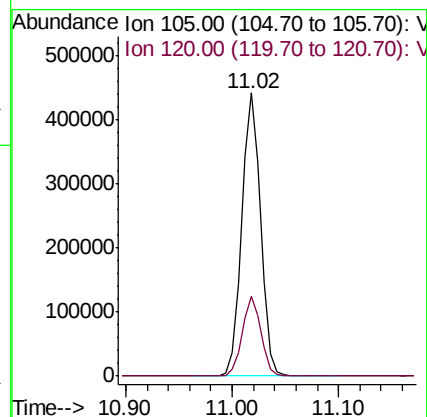
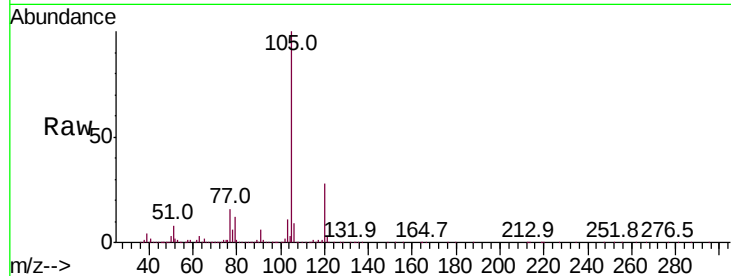
Ion Ratio Lower Upper

105 100

120 28.0 14.1 42.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.974 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion: 43 Resp: 207067

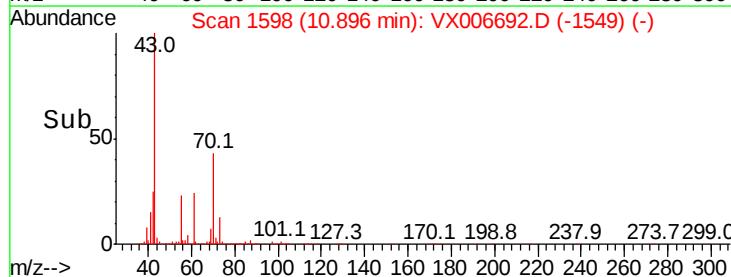
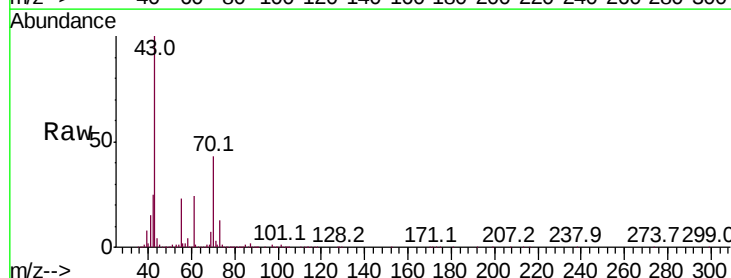
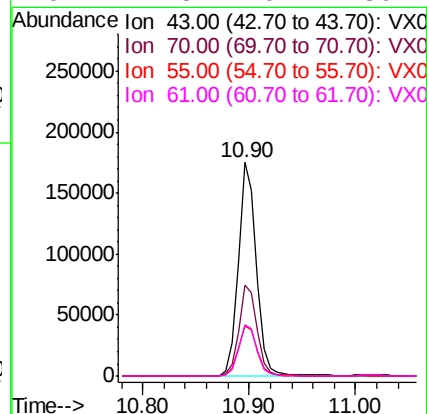
Ion Ratio Lower Upper

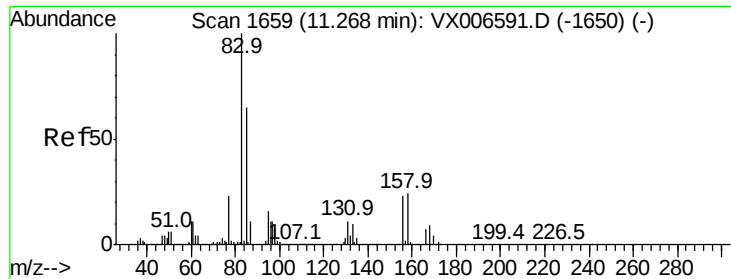
43 100

70 43.3 35.8 53.8

55 25.4 19.4 29.0

61 24.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.414 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 83 Resp: 175649

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

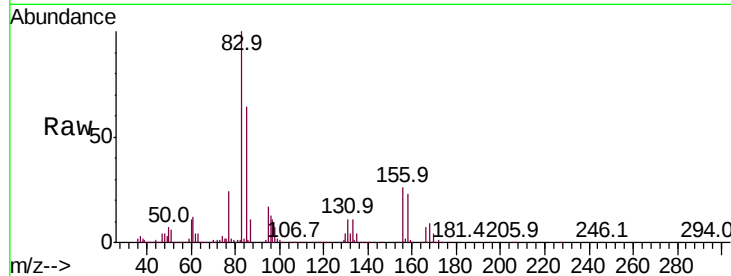
85 64.1 32.2 96.6

Manual Integrations

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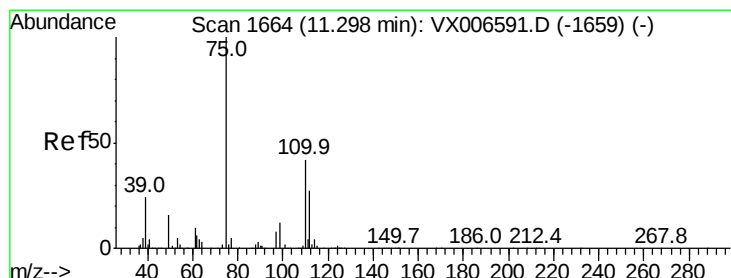
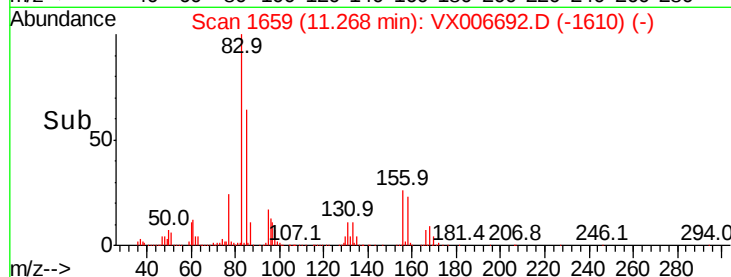
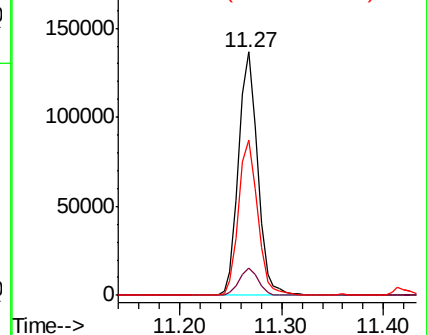
12/21/2018 10:19:29 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.793 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006692.D

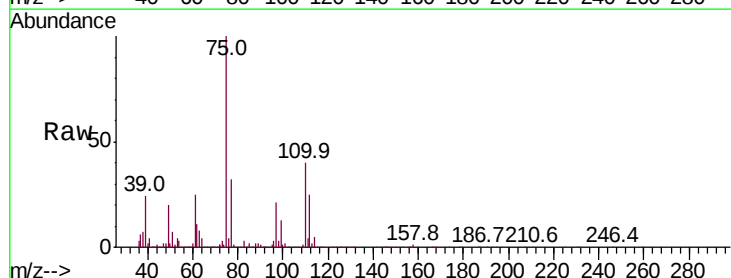
Acq: 20 Dec 2018 23:20

Tgt Ion: 75 Resp: 155789

Ion Ratio Lower Upper

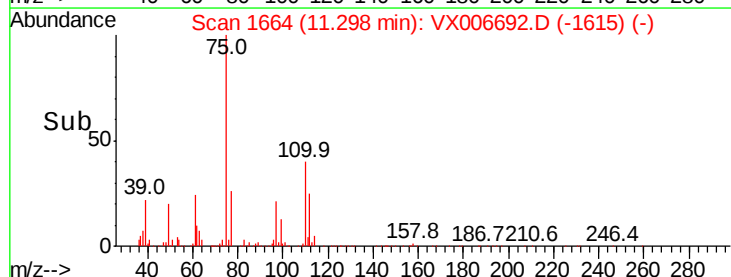
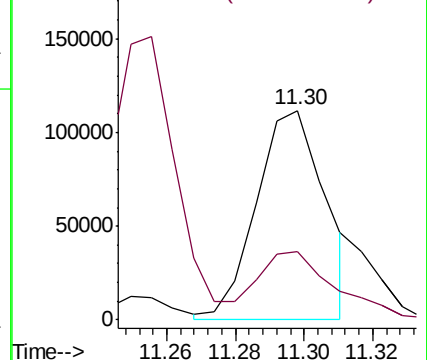
75 100

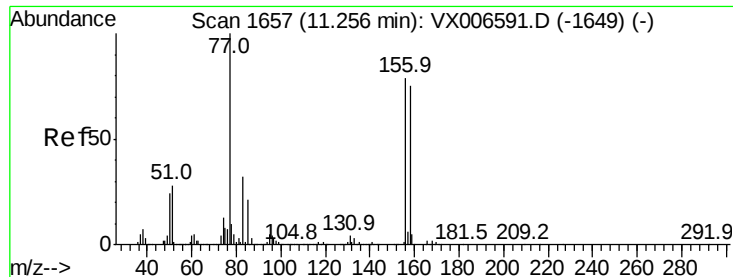
77 36.3 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.240 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

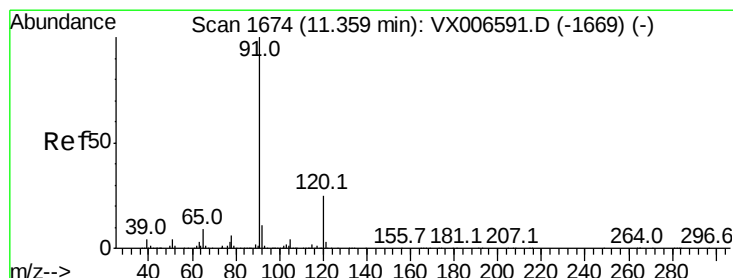
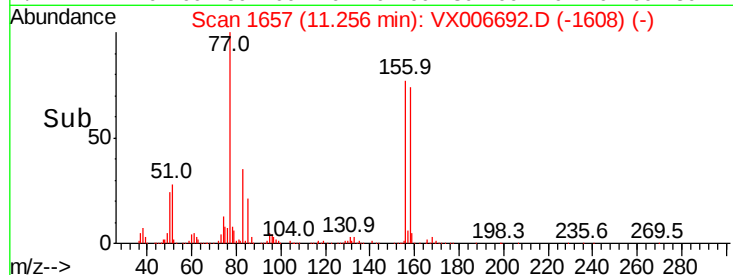
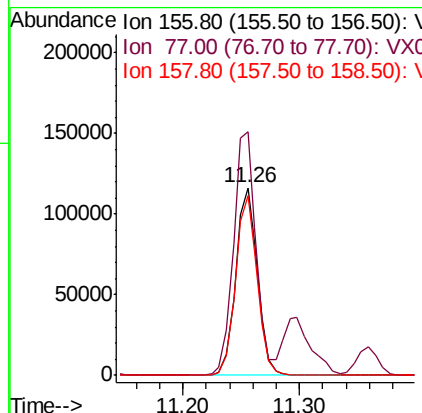
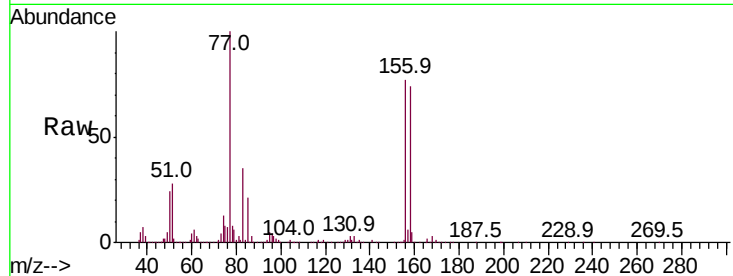
ClientSampleId :

VX1220WBSD02

Tot Ion:	156	Resp:	150927
Ion Ratio	Lower	Upper	
156	100		
77	132.6	68.0	204.0
158	94.9	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.940 ug/l

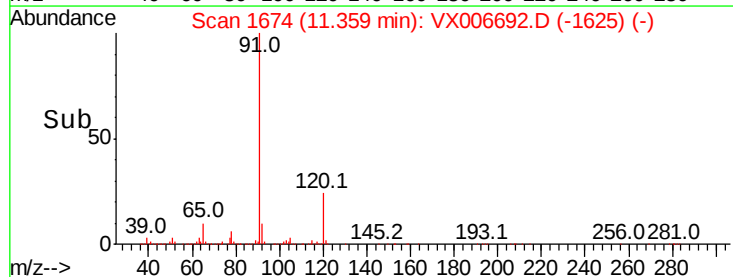
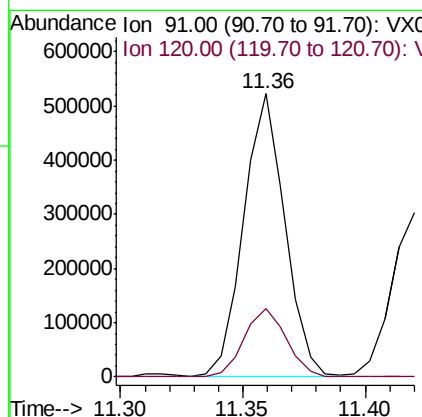
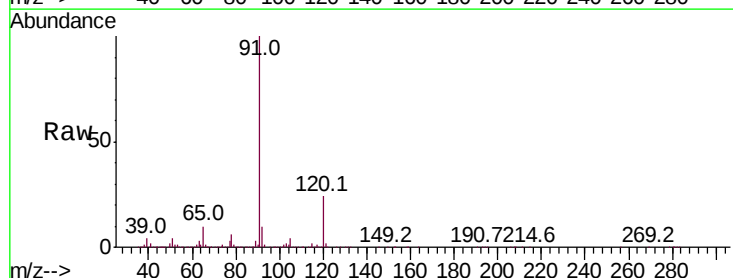
RT: 11.36 min Scan# 1674

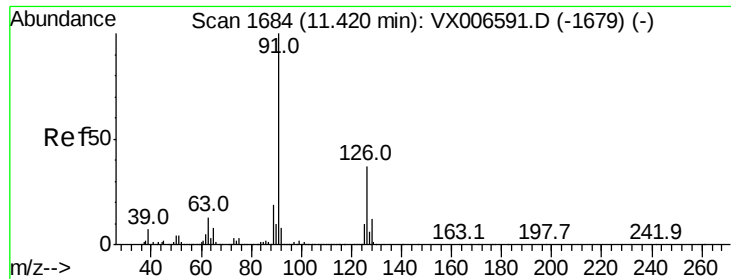
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion:	91	Resp:	605642
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.925 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 91 Resp: 366739

Ion Ratio Lower Upper

91 100

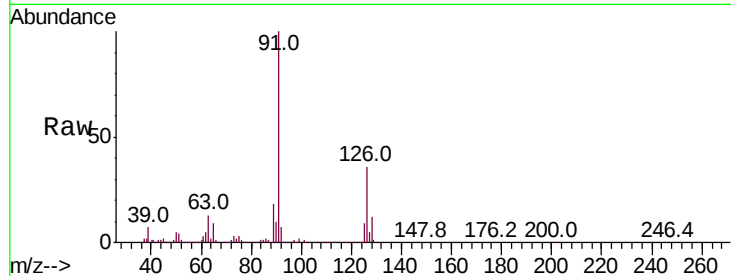
126 36.9 18.6 56.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)

600000

500000

400000

300000

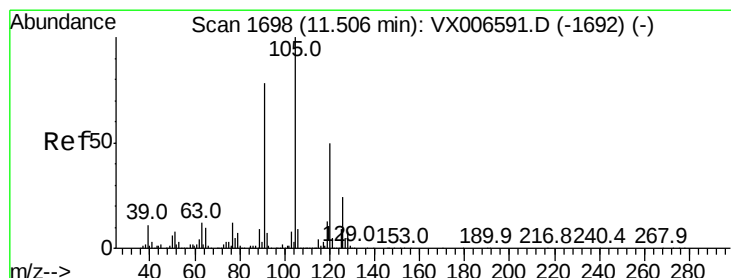
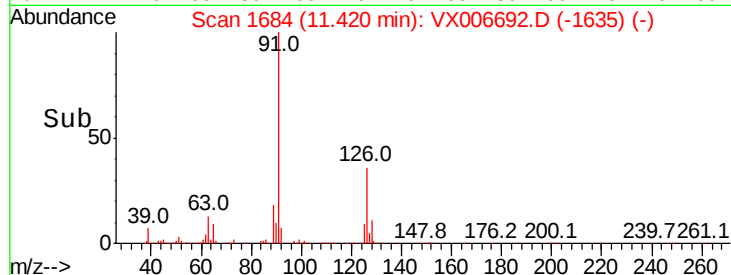
200000

100000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.999 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006692.D

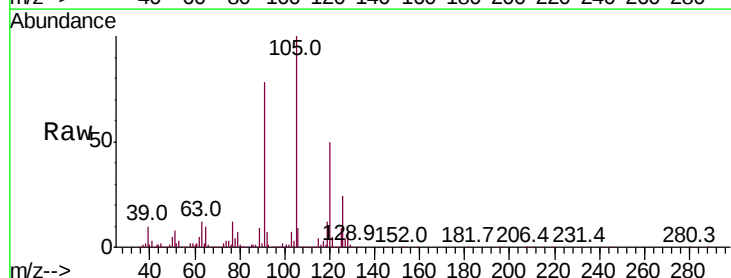
Acq: 20 Dec 2018 23:20

Tgt Ion: 105 Resp: 454322

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)

400000

300000

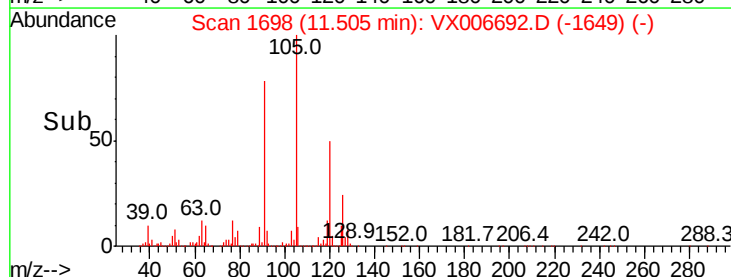
200000

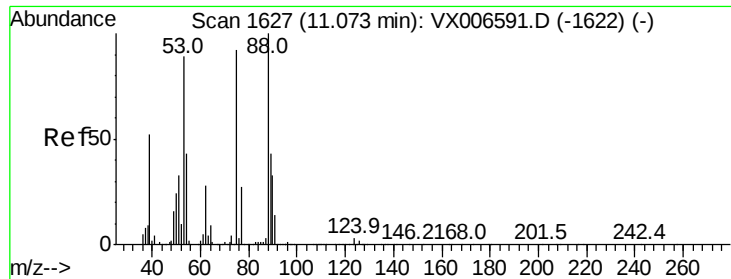
100000

0

11.45 11.50 11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.398 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion: 75 Resp: 32722

Ion Ratio Lower Upper

75 100

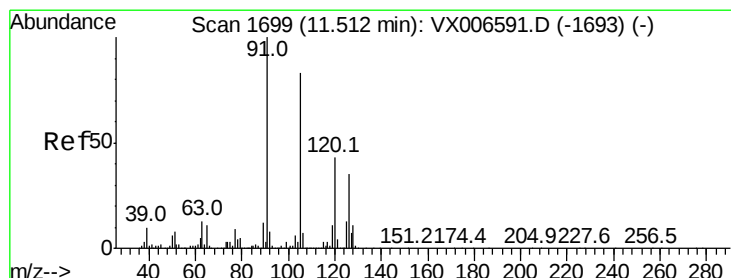
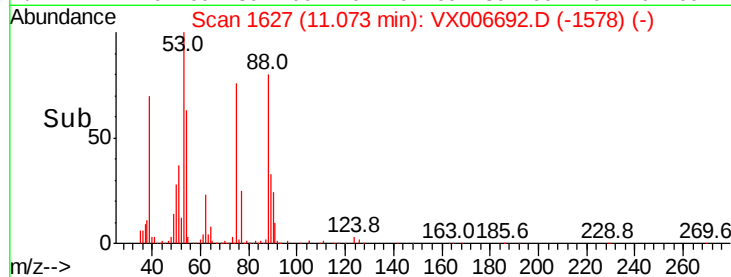
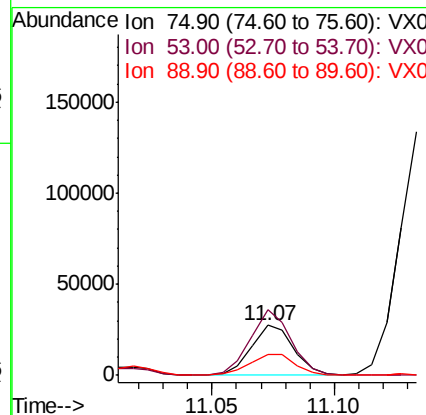
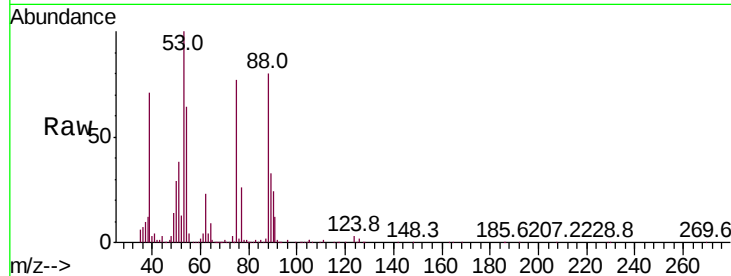
53 125.7 79.7 119.5#

89 47.1 38.0 57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.587 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006692.D

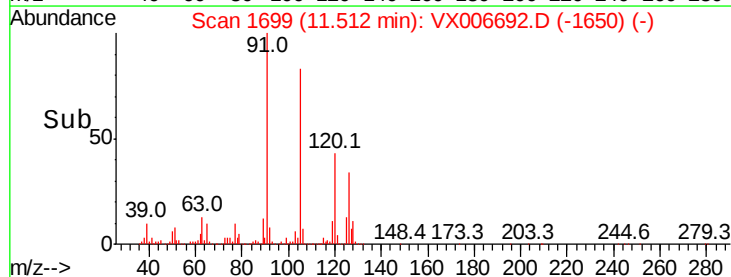
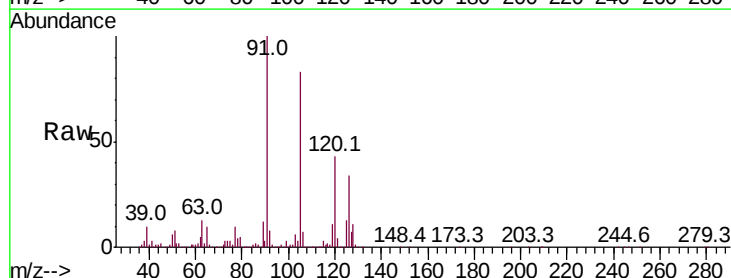
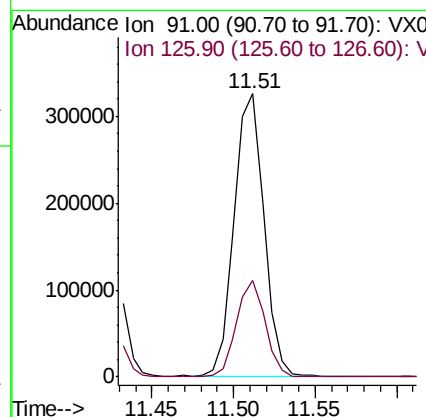
Acq: 20 Dec 2018 23:20

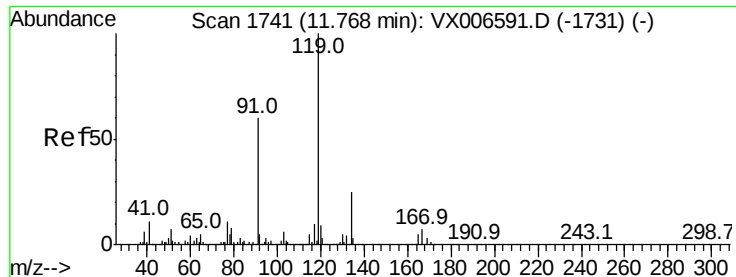
Tgt Ion: 91 Resp: 413537

Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.9





#83

tert-Butylbenzene

Concen: 19.816 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

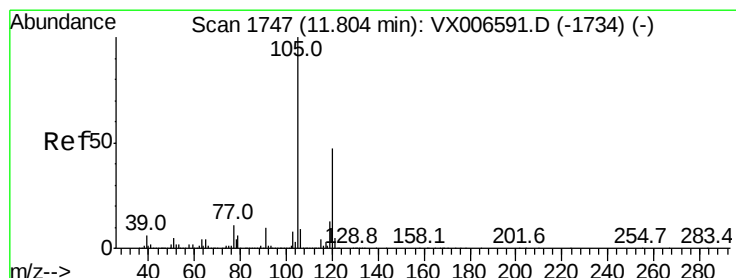
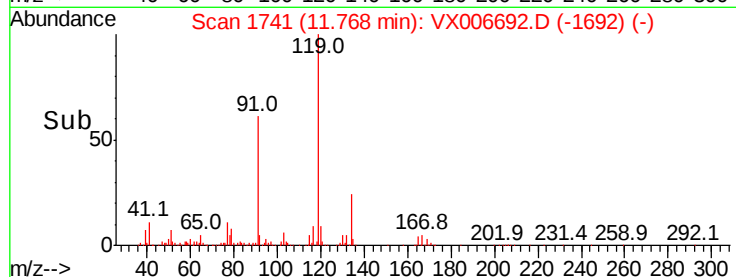
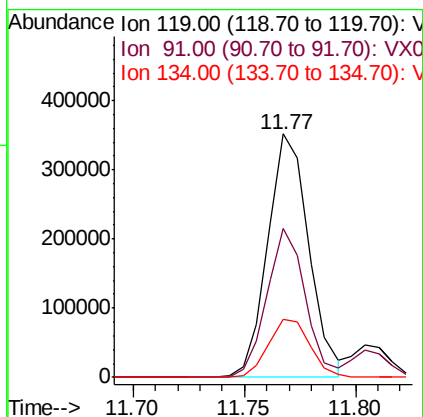
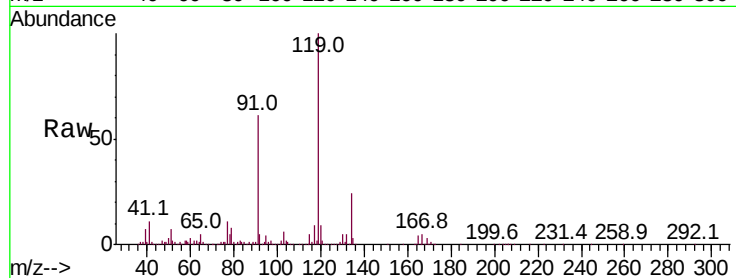
ClientSampleId :

VX1220WBSD02

Tot Ion:	119	Resp:	450558
Ion Ratio	Lower	Upper	
119	100		
91	57.5	27.7	83.1
134	24.5	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.634 ug/l

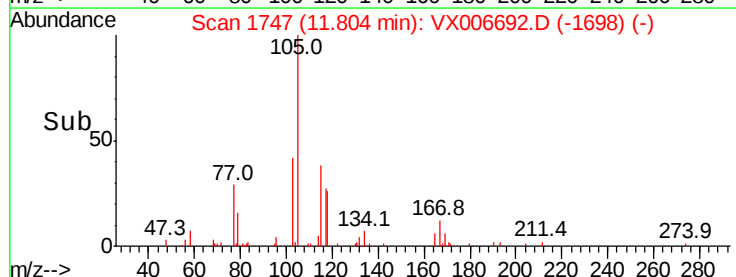
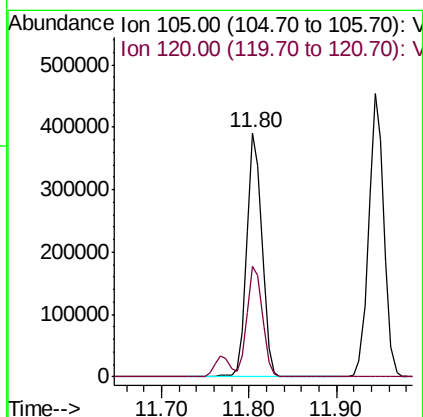
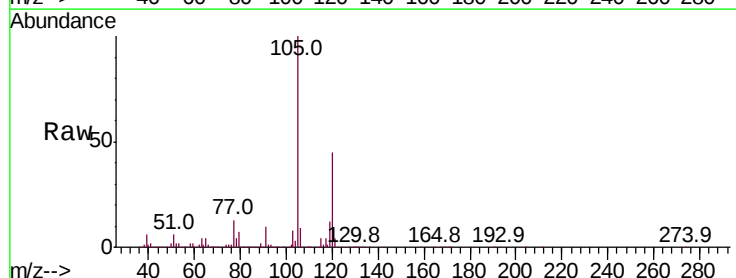
RT: 11.80 min Scan# 1747

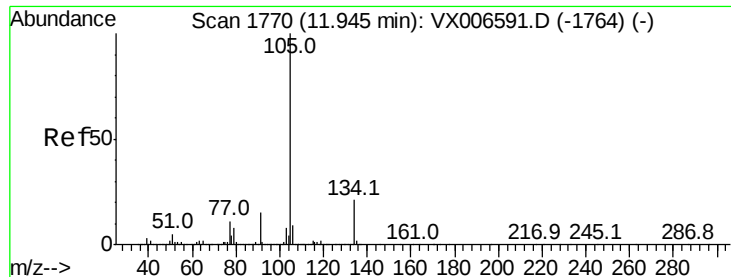
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion:	105	Resp:	469167
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.882 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

ClientSampleId :

VX1220WBSD02

Tot Ion:105 Resp: 554258

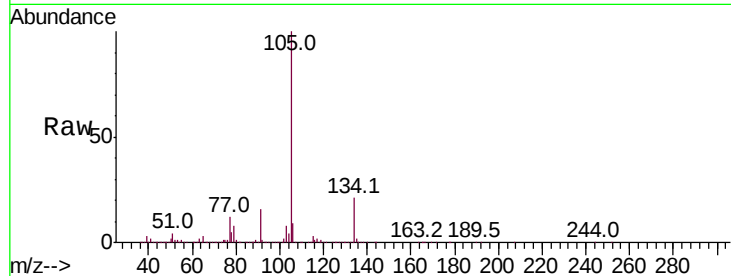
Ion Ratio Lower Upper

105 100

134 21.4 10.7 31.9

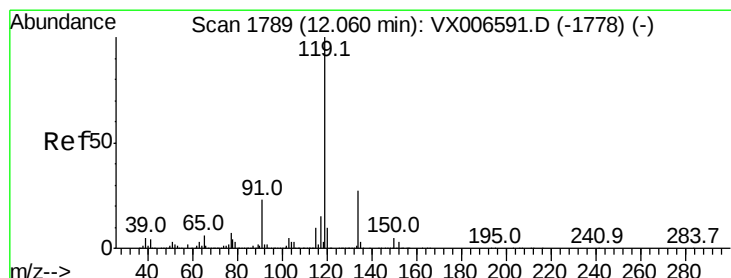
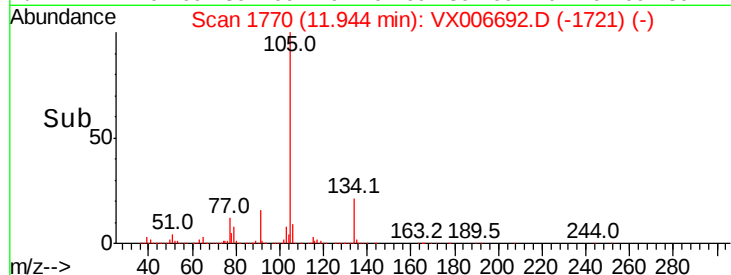
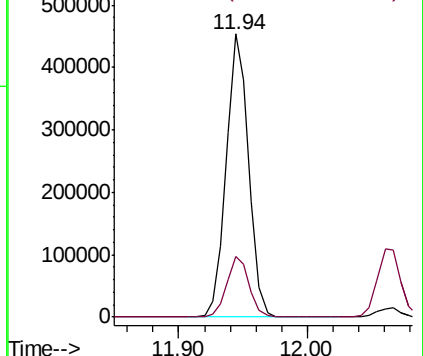
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.906 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

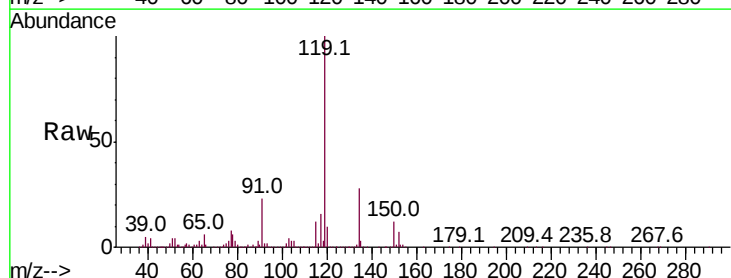
Tgt Ion:119 Resp: 487803

Ion Ratio Lower Upper

119 100

134 28.2 14.0 41.9

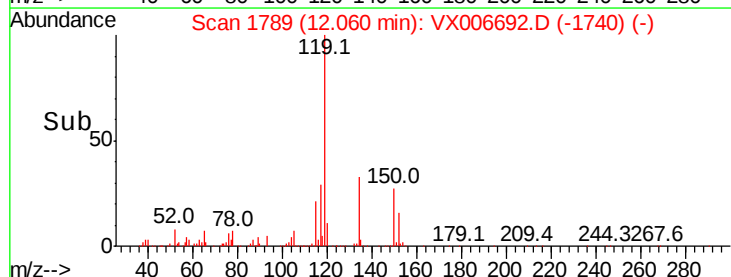
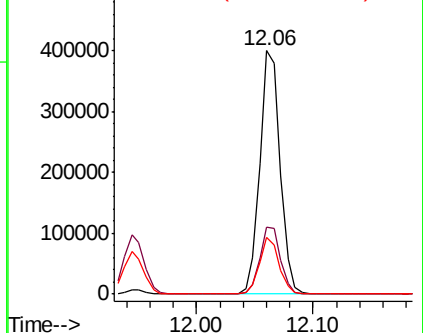
91 22.7 11.3 33.9

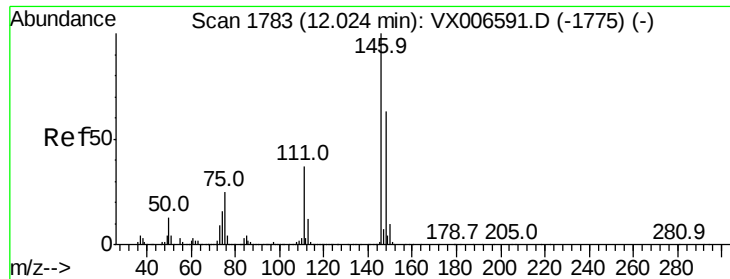


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 19.758 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX006692.D

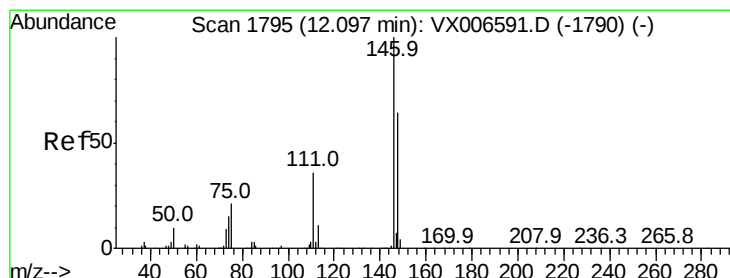
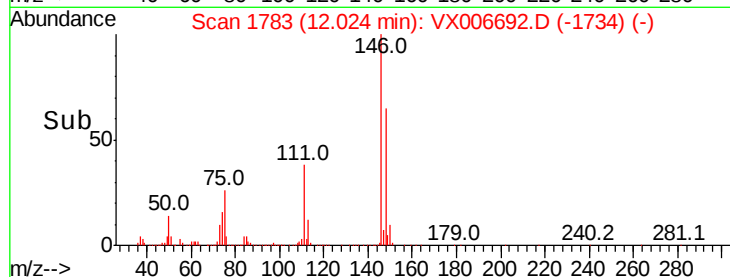
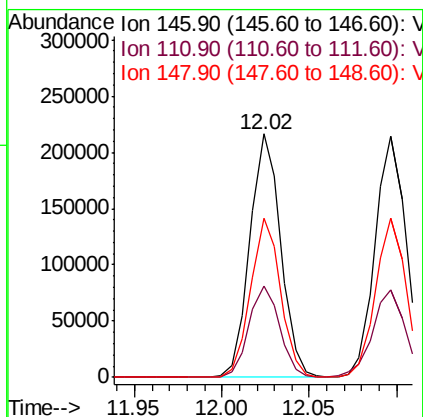
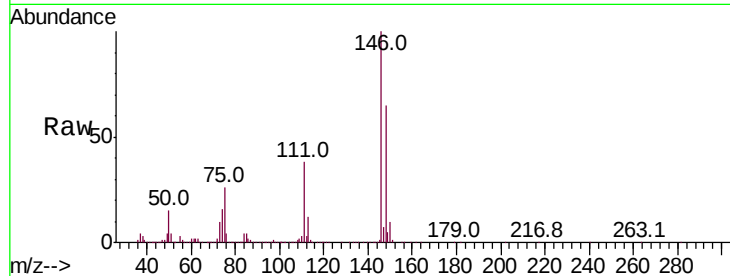
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	265531		
111	37.7	18.6	55.8	
148	63.7	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 19.263 ug/l

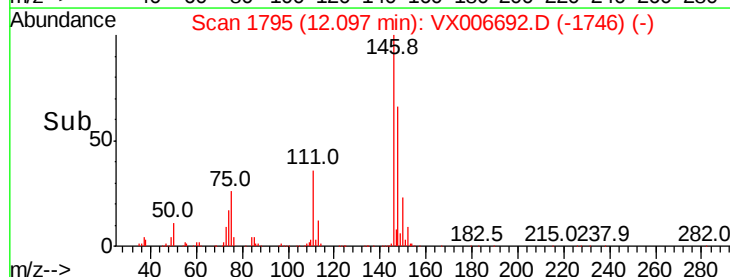
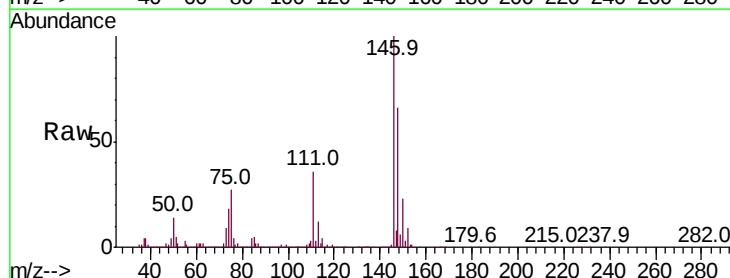
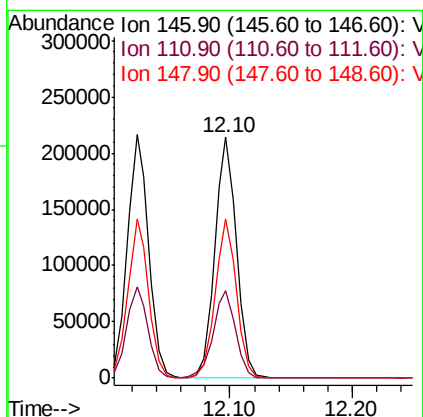
RT: 12.10 min Scan# 1795

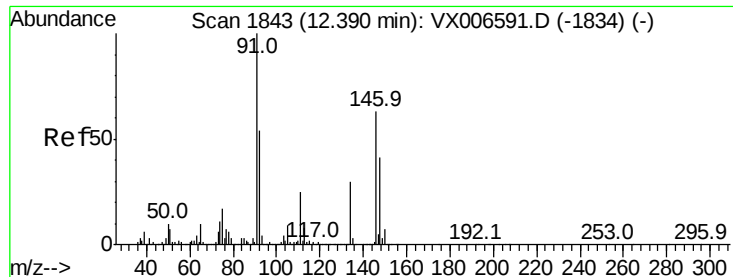
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	265381		
111	38.0	18.1	54.1	
148	64.4	31.9	95.9	





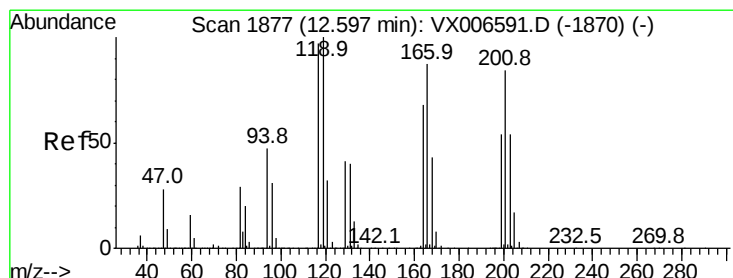
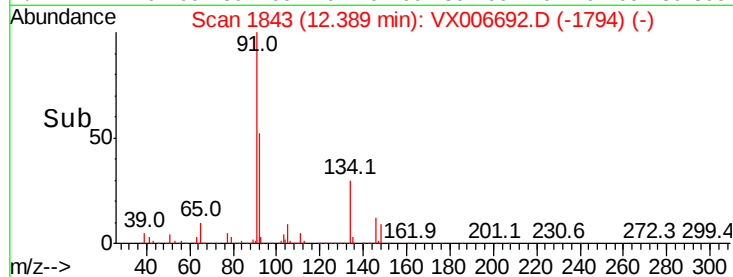
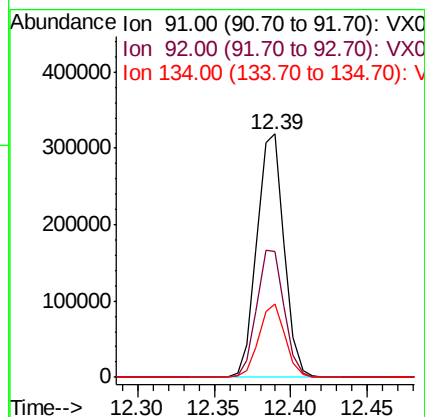
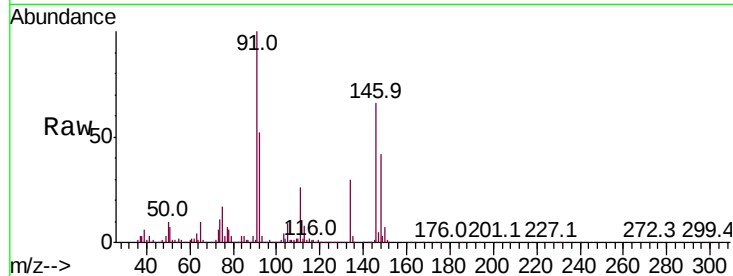
#89
n-Butylbenzene
Concen: 18.972 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	29.1	14.4	43.2

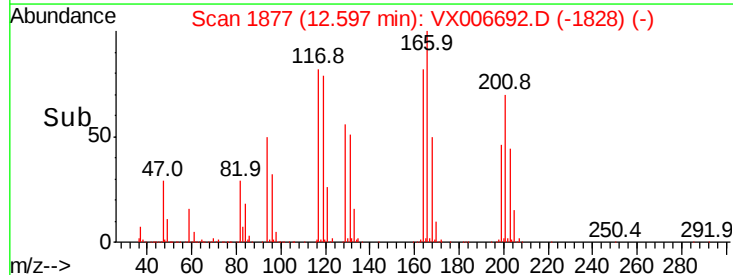
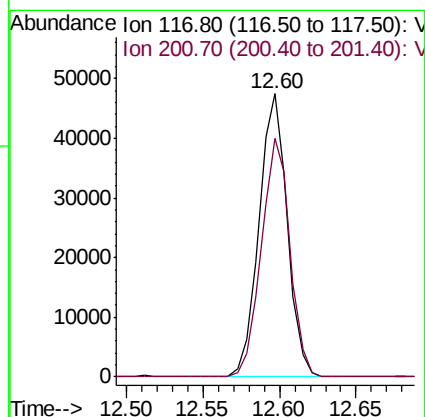
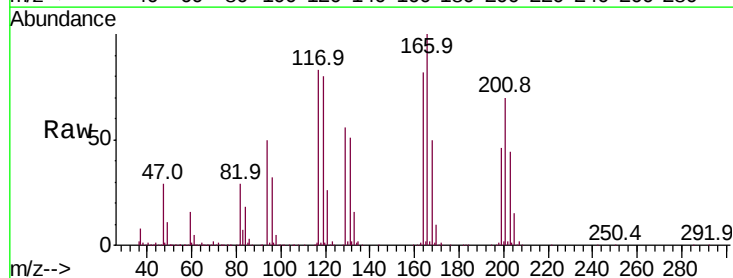
Manual Integrations
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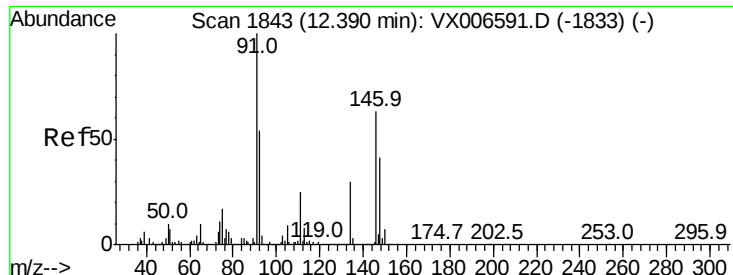
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#90
Hexachloroethane
Concen: 18.197 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 19.768 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

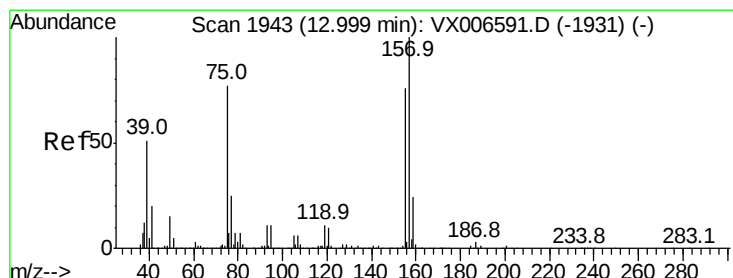
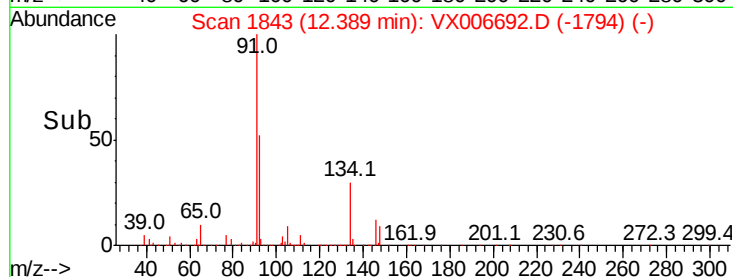
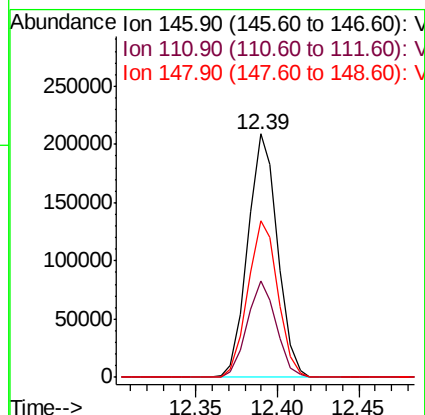
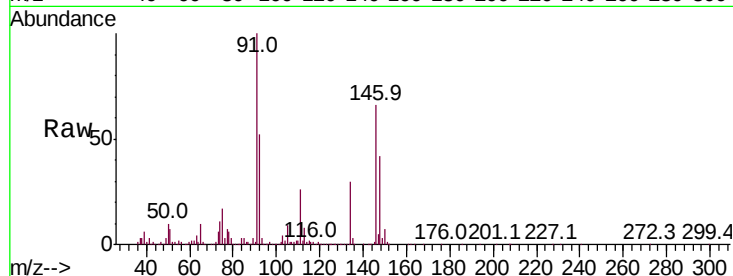
ClientSampleId :

VX1220WBSD02

Tot Ion:	146	Resp:	265758
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.2
148	64.9	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.316 ug/l

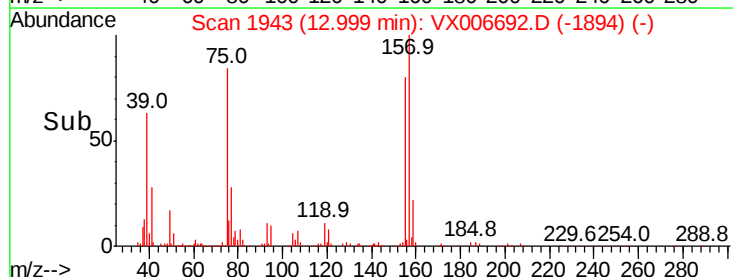
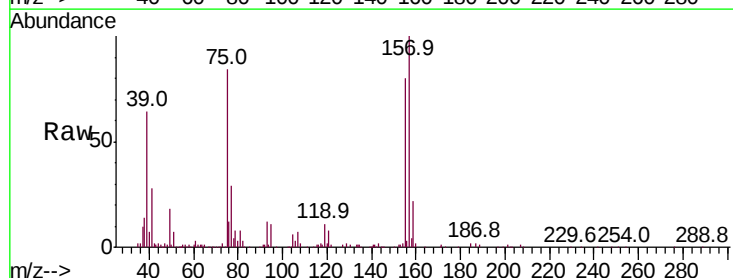
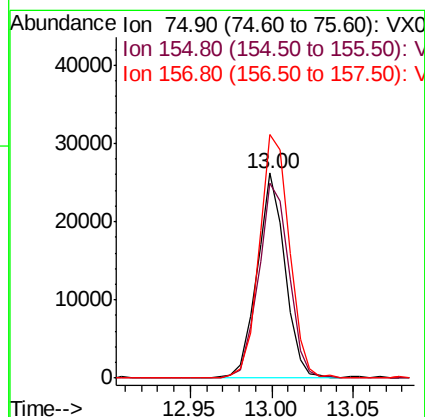
RT: 13.00 min Scan# 1943

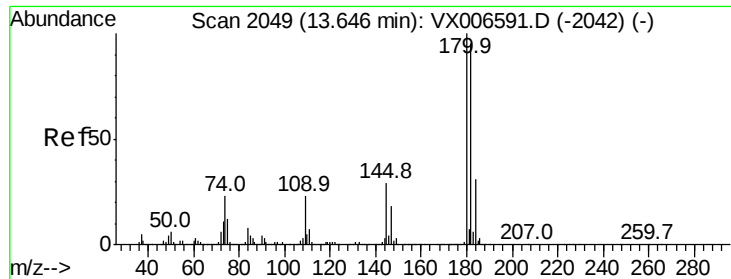
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion:	75	Resp:	31087
Ion Ratio	Lower	Upper	
75	100		
155	103.5	50.6	151.8
157	128.6	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 19.523 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Instrument :

MSVOA_X

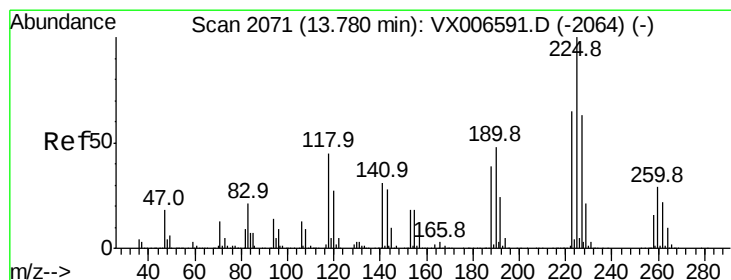
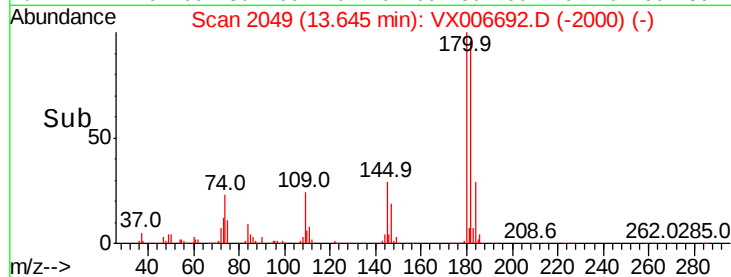
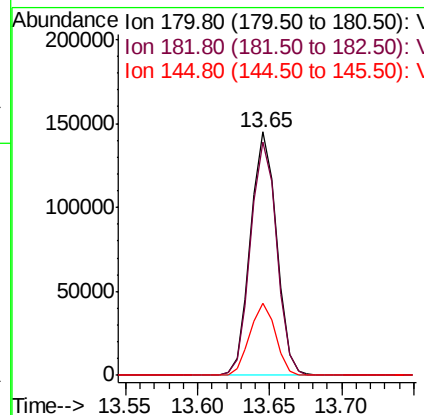
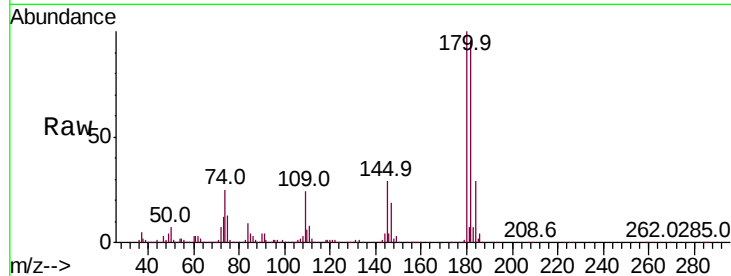
ClientSampleId :

VX1220WBSD02

Tot Ion:	180	Resp:	181045
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.3	142.0
145	29.4	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:19:29 AM



#94

Hexachlorobutadiene

Concen: 18.949 ug/l

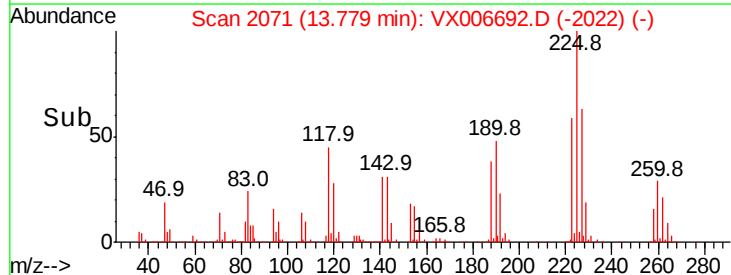
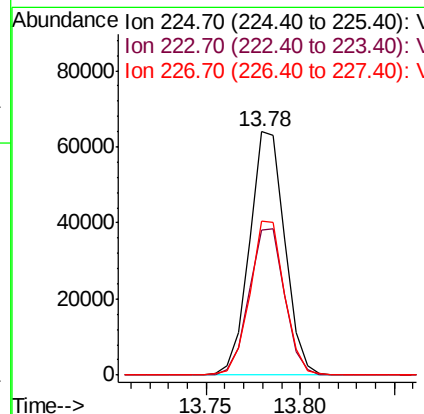
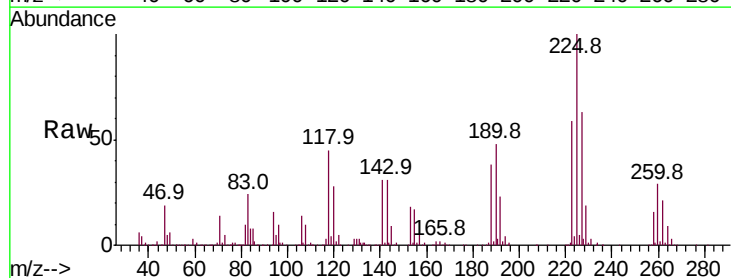
RT: 13.78 min Scan# 2071

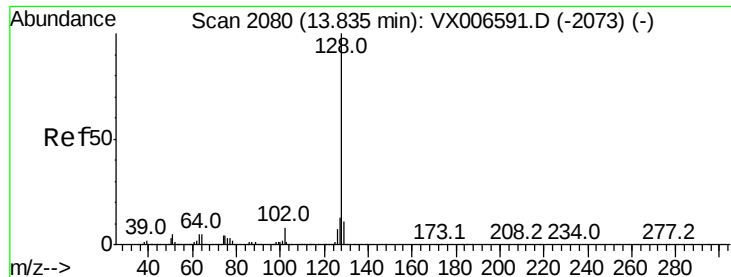
Delta R.T. -0.00 min

Lab File: VX006692.D

Acq: 20 Dec 2018 23:20

Tgt Ion:	225	Resp:	82823
Ion Ratio	Lower	Upper	
225	100		
223	60.6	32.1	96.3
227	61.9	32.3	96.8





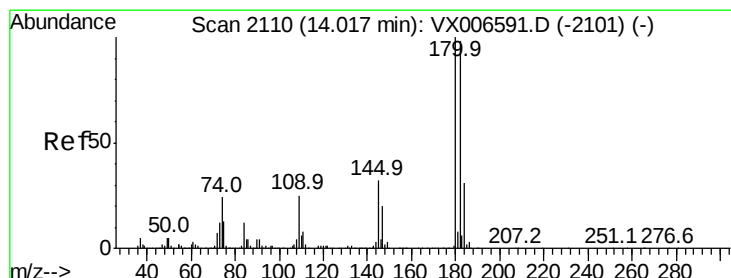
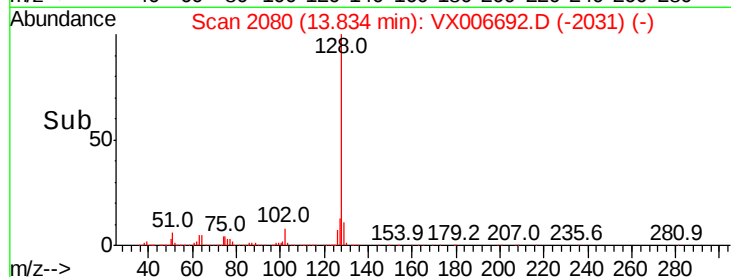
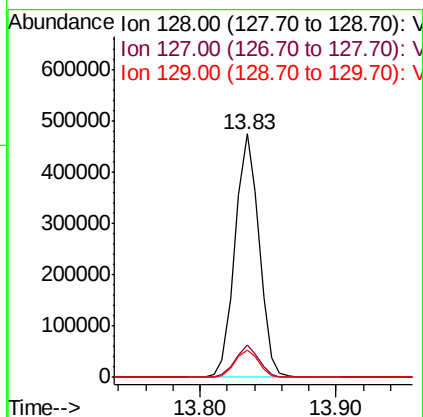
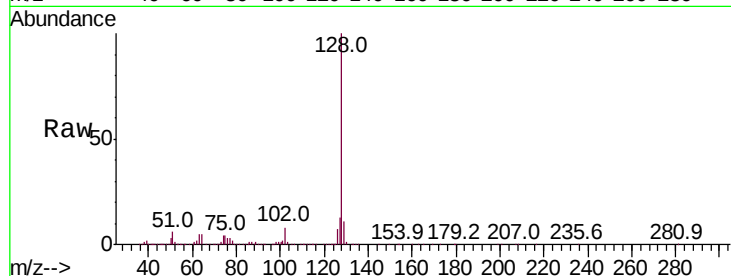
#95
Naphthalene
Concen: 19.651 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Instrument :
MSVOA_X
ClientSampleId :
VX1220WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:19:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.189 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006692.D
Acq: 20 Dec 2018 23:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.5	145.5
145	32.2	16.0	47.9

