

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006610.D
 Acq On : 18 Dec 2018 21:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 11:22:45 AM

Quant Time: Dec 19 06:37:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	598556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	929414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	862829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	455691	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	319347	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	5.50	113	294476	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	8.71	98	1100527	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	419603	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	261898	47.829	ug/l	98
3) Chloromethane	1.33	50	287917	48.805	ug/l	97
4) Vinyl Chloride	1.41	62	313119	50.821	ug/l	98
5) Bromomethane	1.64	94	308092	53.727	ug/l	99
6) Chloroethane	1.72	64	200104	46.905	ug/l	97
7) Trichlorofluoromethane	1.93	101	488690	50.874	ug/l	100
8) Diethyl Ether	2.19	74	190113	49.828	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	283288	50.227	ug/l	99
10) Methyl Iodide	2.51	142	448872	55.598	ug/l	100
11) Tert butyl alcohol	3.07	59	392119	272.365	ug/l	99
12) 1,1-Dichloroethene	2.37	96	268627	50.230	ug/l	93
13) Acrolein	2.30	56	225198	231.871	ug/l	98
14) Allyl chloride	2.73	41	458031	50.882	ug/l	97
15) Acrylonitrile	3.15	53	852425	266.671	ug/l	100
16) Acetone	2.45	43	709283	239.317	ug/l	96
17) Carbon Disulfide	2.57	76	672222	47.498	ug/l	99
18) Methyl Acetate	2.78	43	463257	53.157	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	920886	51.881	ug/l	100
20) Methylene Chloride	2.85	84	300663	49.059	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	286379	48.330	ug/l	91
22) Diisopropyl ether	3.87	45	846274	51.388	ug/l	99
23) Vinyl Acetate	3.82	43	3449219	256.056	ug/l	99
24) 1,1-Dichloroethane	3.70	63	486429	49.480	ug/l	98
25) 2-Butanone	4.70	43	1054551	252.955	ug/l	97
26) 2,2-Dichloropropane	4.59	77	344155	45.320	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	328072	50.182	ug/l	97
28) Bromochloromethane	5.02	49	223973	54.202	ug/l	99
29) Tetrahydrofuran	5.15	42	715827	260.700	ug/l	98
30) Chloroform	5.22	83	517906	50.873	ug/l	100
31) Cyclohexane	5.57	56	438999	49.154	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	447357	52.042	ug/l	99
36) 1,1-Dichloropropene	5.80	75	379922	49.355	ug/l	99
37) Ethyl Acetate	4.85	43	404300	50.462	ug/l	98
38) Carbon Tetrachloride	5.78	117	373899	49.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	483118	47.672	ug/l	98
40) Benzene	6.15	78	1169451	49.980	ug/l	100
41) Methacrylonitrile	5.06	41	223754	49.698	ug/l	99
42) 1,2-Dichloroethane	6.20	62	394485	49.477	ug/l	99
43) Isopropyl Acetate	6.46	43	638311	52.362	ug/l	99
44) Trichloroethene	7.21	130	343408	48.490	ug/l	95
45) 1,2-Dichloropropane	7.52	63	290131	50.954	ug/l	98
46) Dibromomethane	7.66	93	209116	49.929	ug/l	95
47) Bromodichloromethane	7.90	83	355896	51.183	ug/l	99
48) Methyl methacrylate	7.77	41	330806	53.363	ug/l	98
49) 1,4-Dioxane	7.75	88	178202	1100.665	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2114682	272.636	ug/l	99
52) Toluene	8.79	92	771098	51.011	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	390457	52.358	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	440787	53.868	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	314676	50.858	ug/l	98
56) Ethyl methacrylate	9.18	69	469731	53.714	ug/l	99
57) 1,3-Dichloropropane	9.37	76	500555	50.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1197132	257.525	ug/l	99
59) 2-Hexanone	9.49	43	1607204	270.820	ug/l	99
60) Dibromochloromethane	9.58	129	308595	47.794	ug/l	99
61) 1,2-Dibromoethane	9.67	107	344462	52.371	ug/l	98
64) Tetrachloroethene	9.34	164	328601	48.095	ug/l	98
65) Chlorobenzene	10.14	112	902883	49.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	304277	53.427	ug/l	99
67) Ethyl Benzene	10.25	91	1496545	50.172	ug/l	98
68) m/p-Xylenes	10.36	106	1191277	101.212	ug/l	99
69) o-Xylene	10.70	106	590137	50.775	ug/l	100
70) Styrene	10.71	104	962434	52.341	ug/l	99
71) Bromoform	10.86	173	229560	45.161	ug/l #	100
73) Isopropylbenzene	11.02	105	1555807	49.906	ug/l	100
74) N-amyl acetate	10.90	43	590080	52.881	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	481277	51.910	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	444512m	55.656	ug/l	
77) Bromobenzene	11.26	156	424932	50.418	ug/l	98
78) n-propylbenzene	11.36	91	1733956	50.509	ug/l	100
79) 2-Chlorotoluene	11.42	91	1033064	49.657	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1292673	50.343	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	121756	44.283	ug/l #	81
82) 4-Chlorotoluene	11.51	91	1191414	49.926	ug/l	100
83) tert-Butylbenzene	11.77	119	1321850	51.435	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1330712	49.270	ug/l	100
85) sec-Butylbenzene	11.94	105	1581787	50.202	ug/l	99
86) p-Isopropyltoluene	12.07	119	1422654	51.364	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	767681	50.539	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	764514	49.038	ug/l	99
89) n-Butylbenzene	12.39	91	1197300	50.794	ug/l	99
90) Hexachloroethane	12.60	117	200889	46.584	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	751146	49.434	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	99482	51.857	ug/l	95

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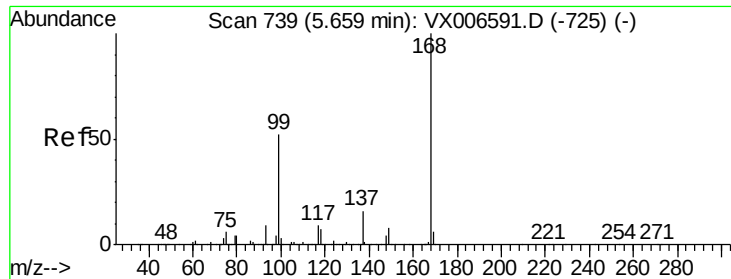
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	525320	50.119	ug/l	98
94) Hexachlorobutadiene	13.78	225	240534	48.687	ug/l	100
95) Naphthalene	13.83	128	1690972	50.547	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	532979	49.250	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 598556

Ion Ratio Lower Upper

168 100

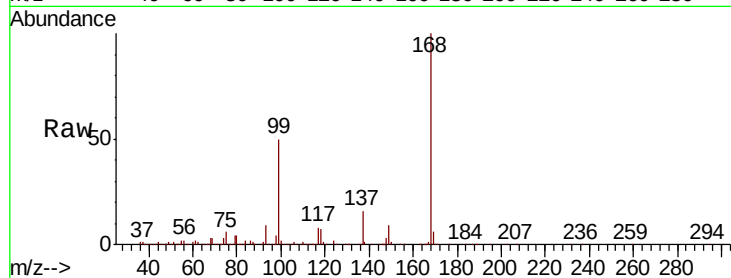
99 49.9 37.8 56.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

100000

50000

0

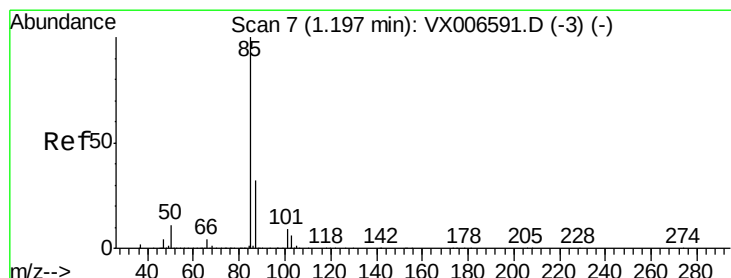
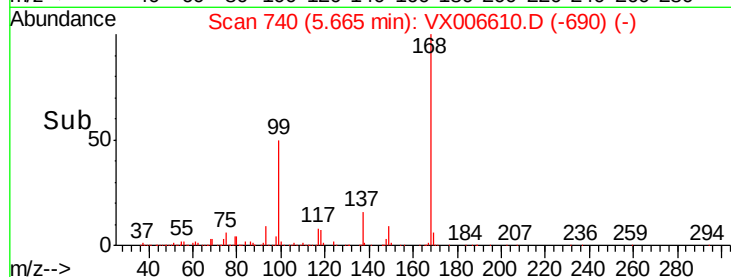
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 47.829 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006610.D

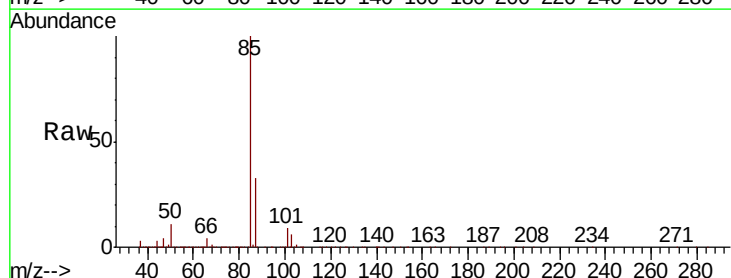
Acq: 18 Dec 2018 21:11

Tgt Ion: 85 Resp: 261898

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

150000

100000

50000

0

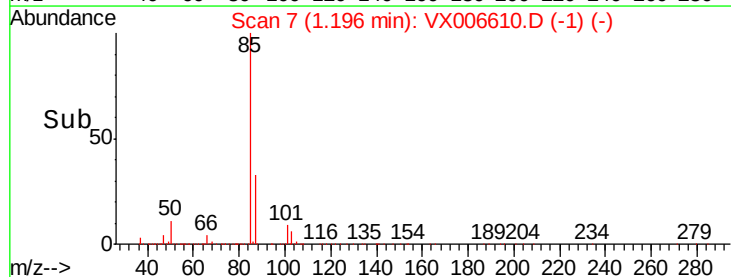
Time-->

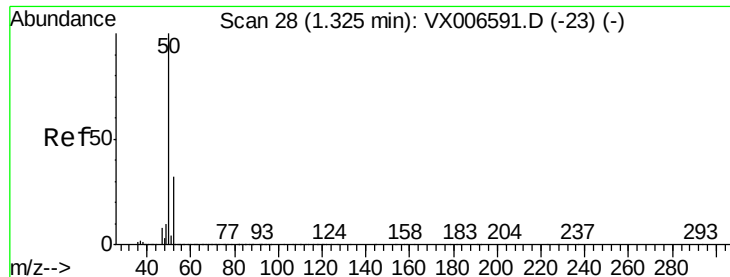
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 48.805 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 287917

Ion Ratio Lower Upper

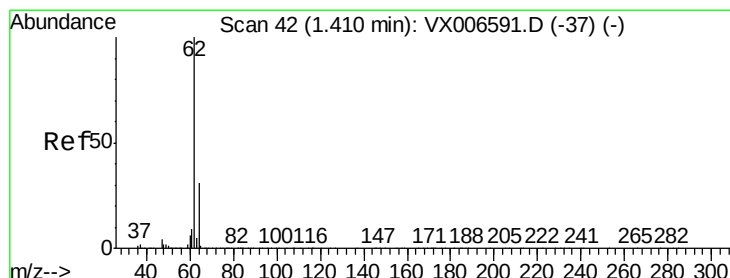
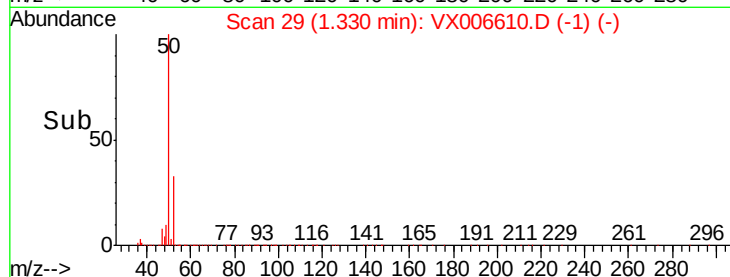
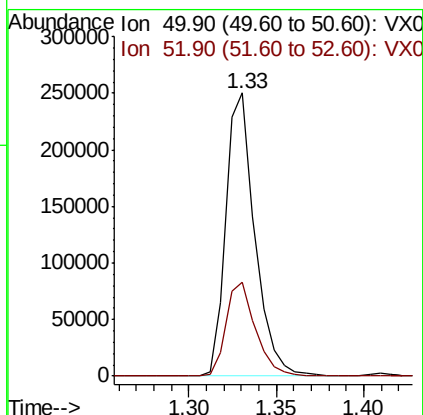
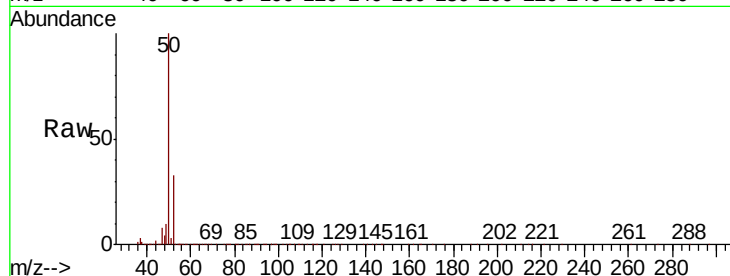
50 100

52 33.0 25.2 37.8

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#4

Vinyl Chloride

Concen: 50.821 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006610.D

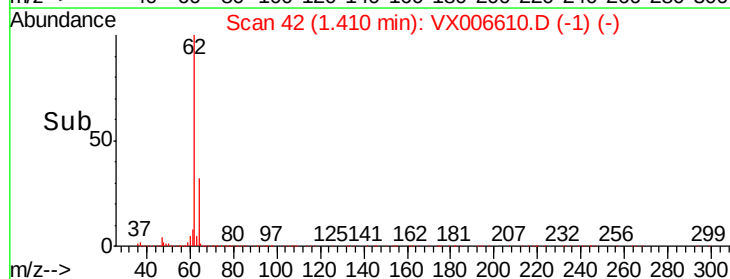
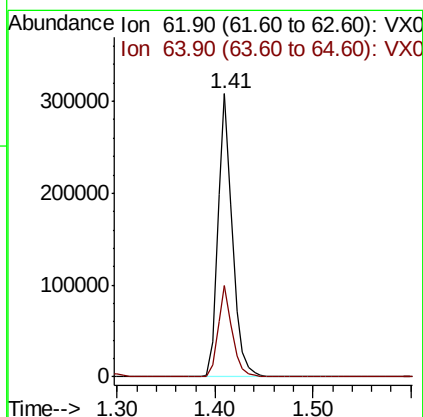
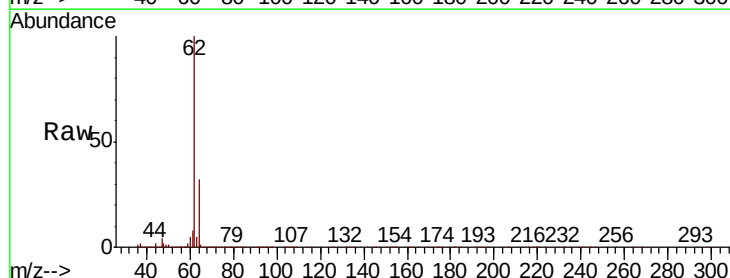
Acq: 18 Dec 2018 21:11

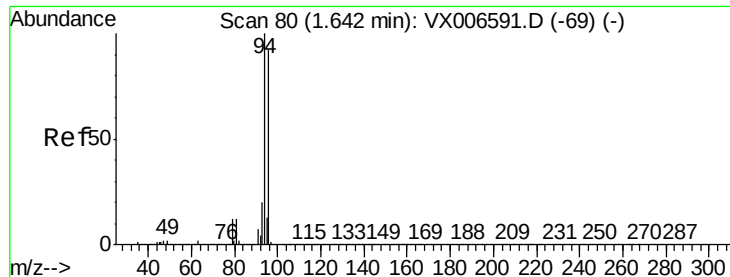
Tgt Ion: 62 Resp: 313119

Ion Ratio Lower Upper

62 100

64 32.4 24.9 37.3





#5

Bromomethane

Concen: 53.727 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 308092

Ion Ratio Lower Upper

94 100

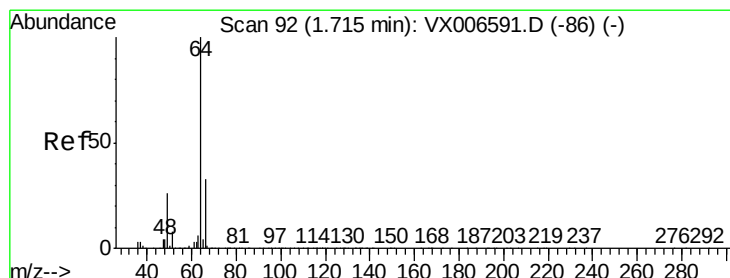
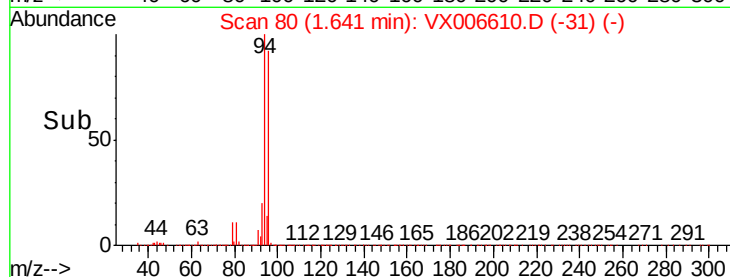
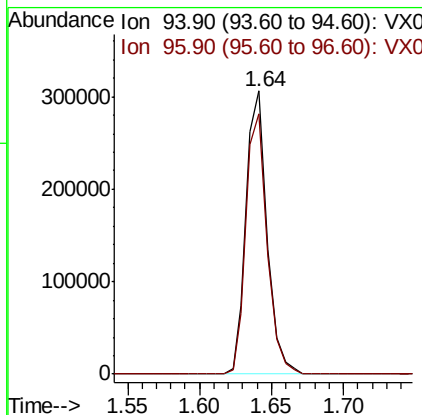
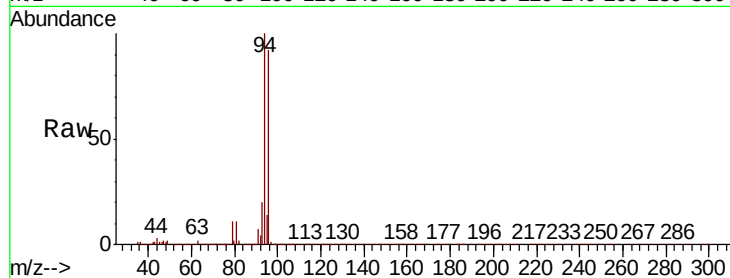
96 91.8 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 46.905 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006610.D

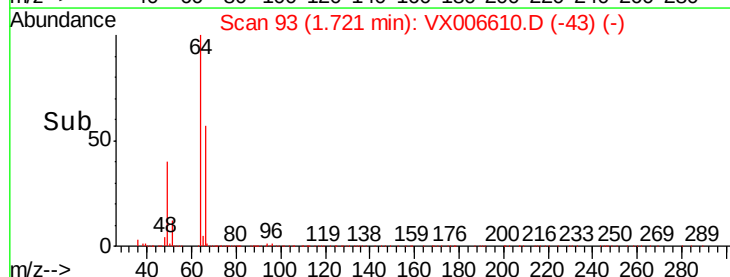
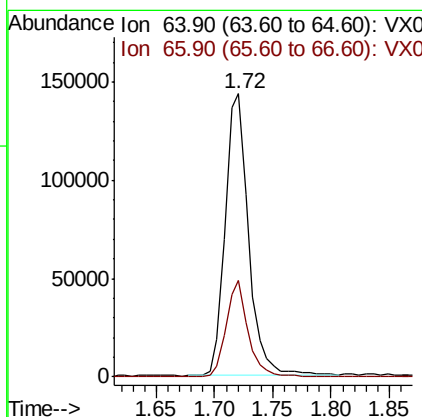
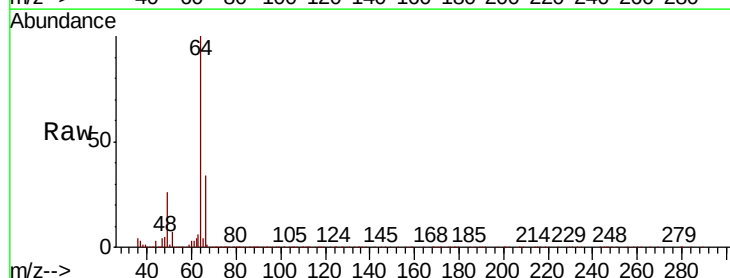
Acq: 18 Dec 2018 21:11

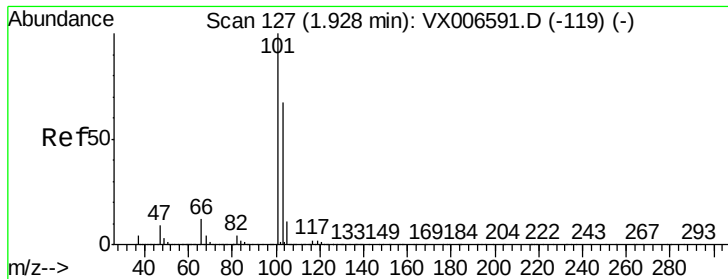
Tgt Ion: 64 Resp: 200104

Ion Ratio Lower Upper

64 100

66 33.9 25.9 38.9





#7

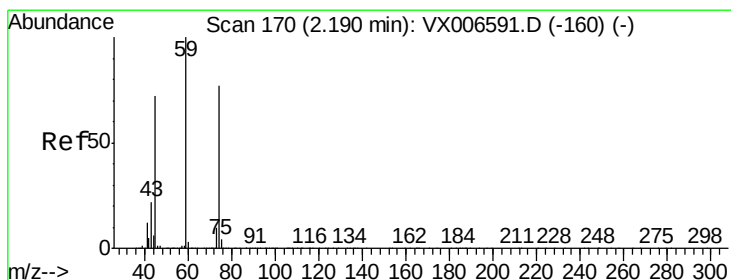
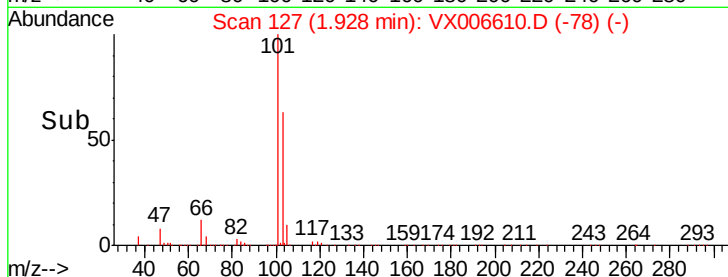
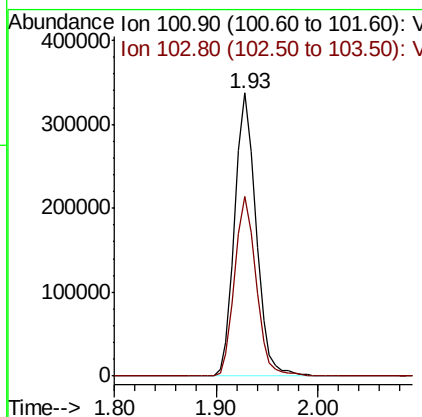
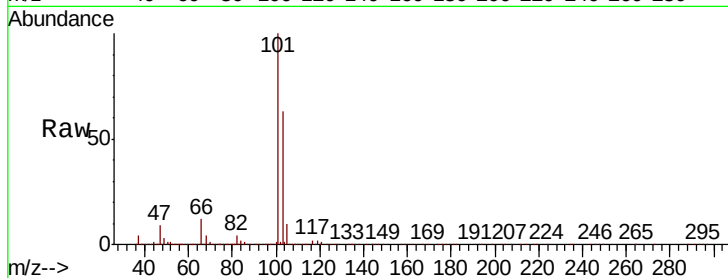
Trichlorofluoromethane
Concen: 50.874 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	488690		
103	63.4	51.0	76.4	

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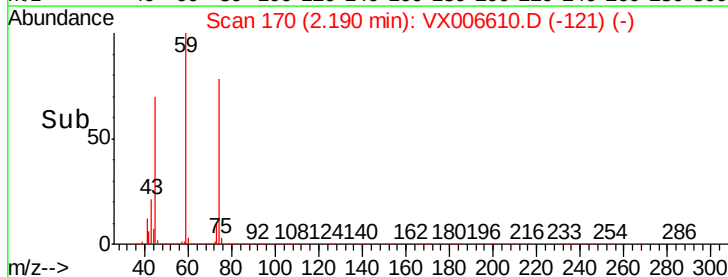
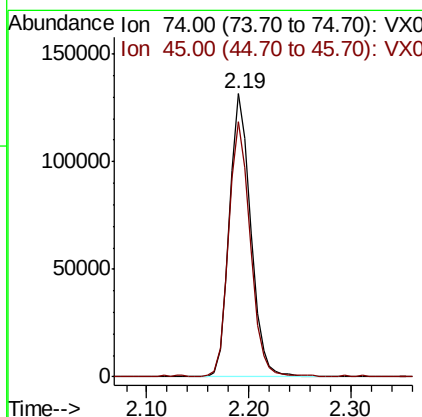
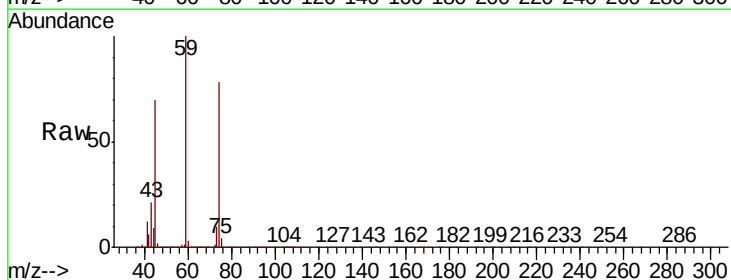
MMDadoda
12/19/2018 11:22:45 AM

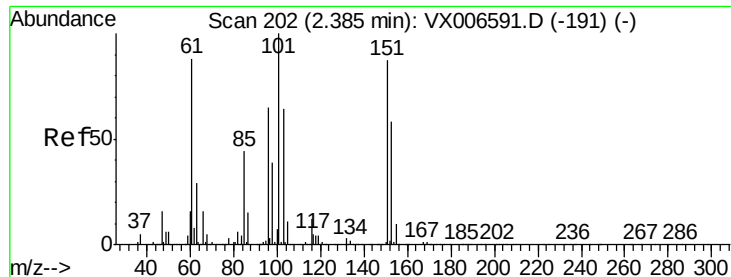


#8

Diethyl Ether
Concen: 49.828 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	190113		
45	90.1	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.227 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

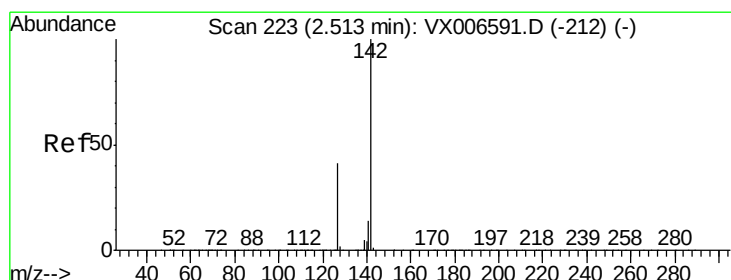
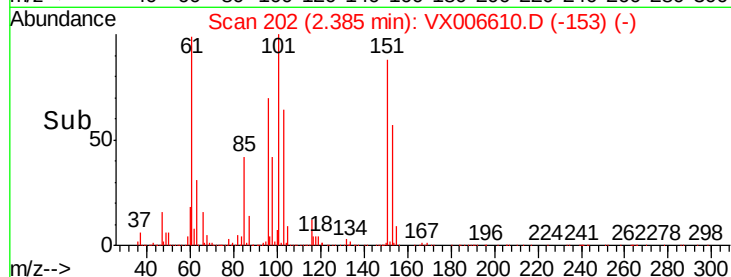
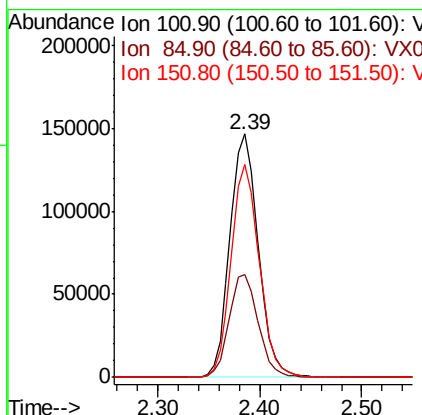
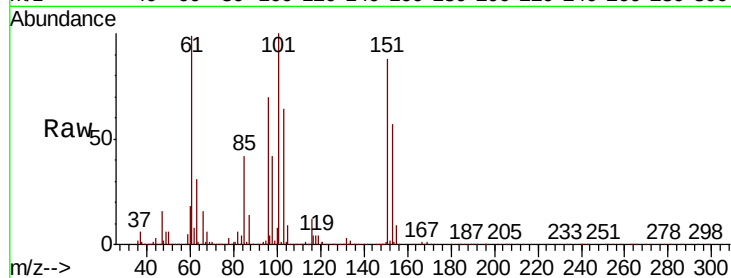
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	283288
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.5	53.3
151	86.4	68.6	103.0

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12/19/2018 11:22:45 AM



#10

Methyl Iodide

Concen: 55.598 ug/l

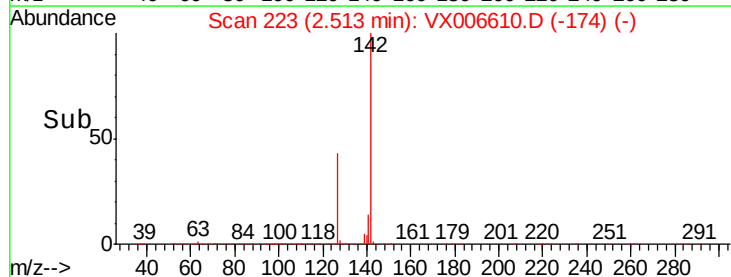
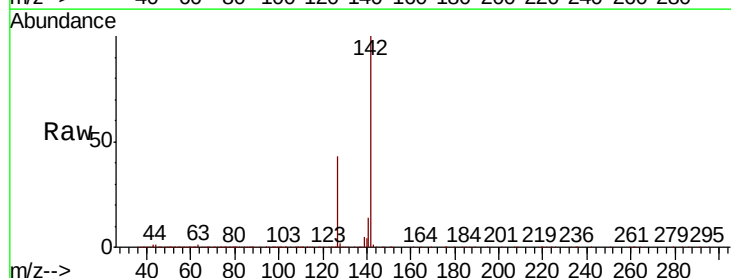
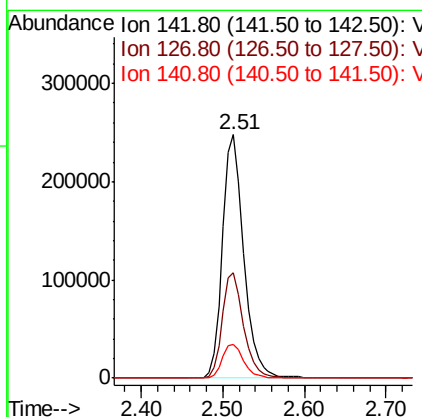
RT: 2.51 min Scan# 223

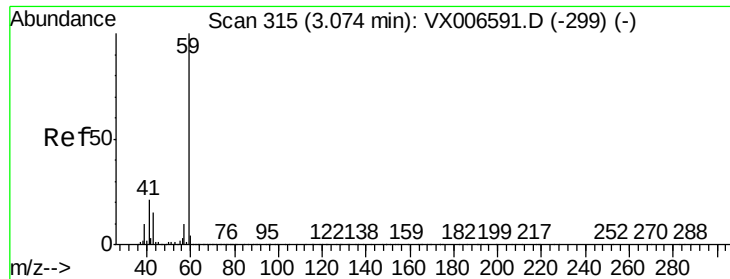
Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:	142	Resp:	448872
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.8	52.2
141	14.2	11.4	17.2





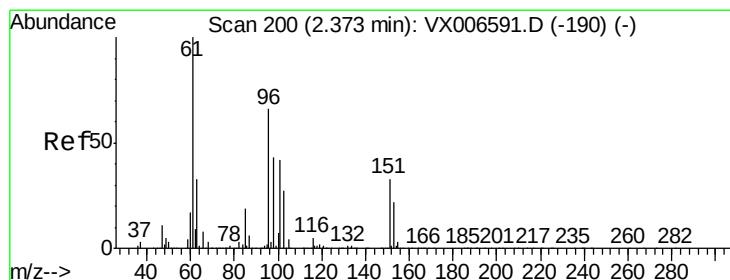
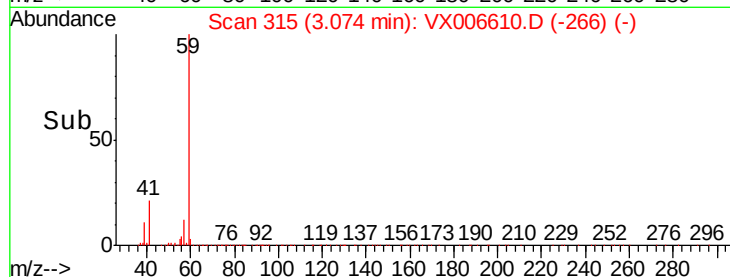
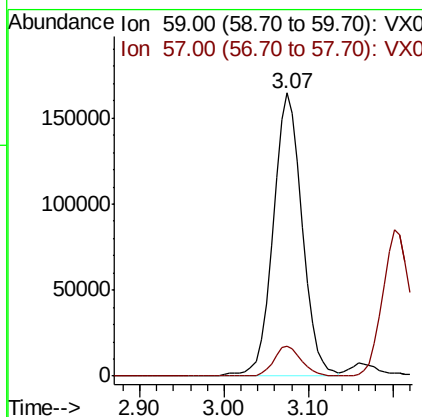
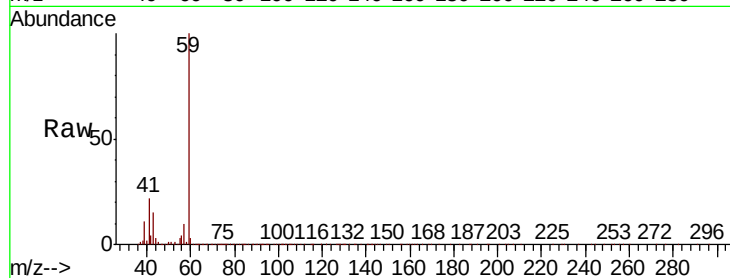
#11
Tert butyl alcohol
Concen: 272.365 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

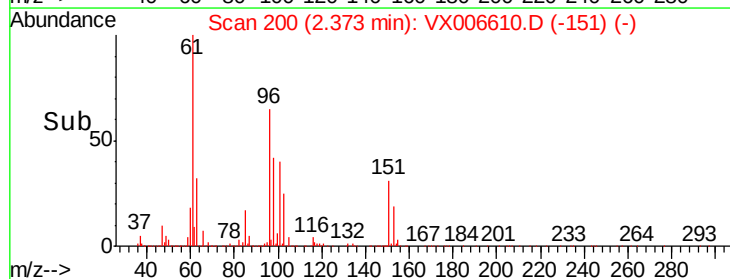
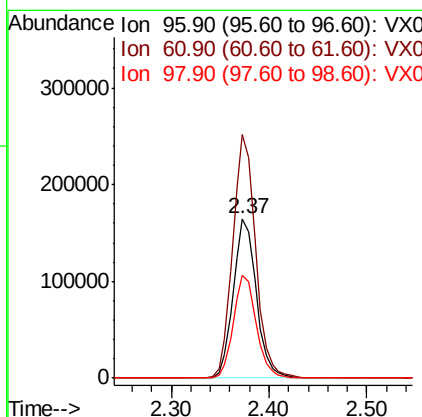
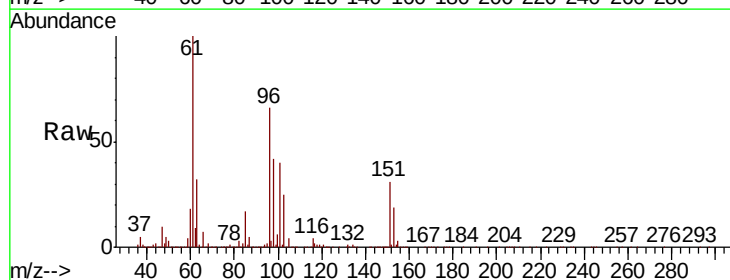
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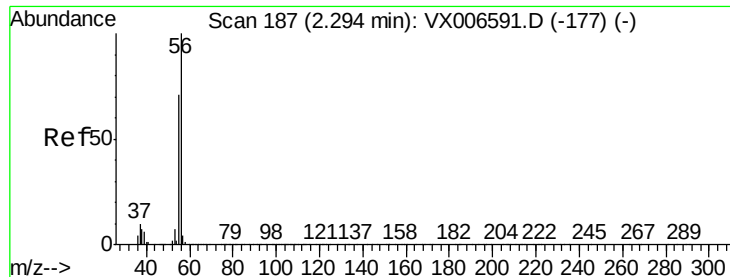
MMDadoda
12/19/2018 11:22:45 AM



#12
1,1-Dichloroethene
Concen: 50.230 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	131.7	197.5
98	64.1	51.8	77.6





#13

Acrolein

Concen: 231.871 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 225198

Ion Ratio Lower Upper

56 100

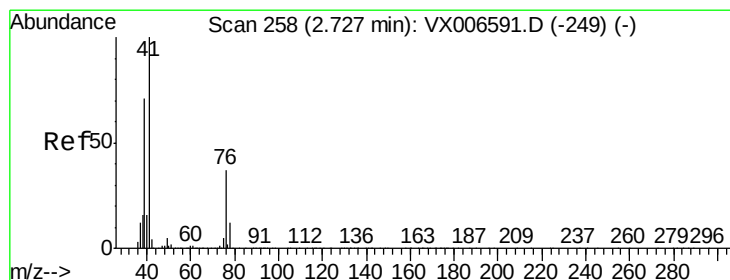
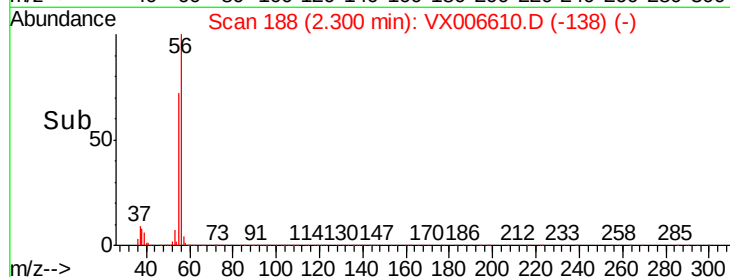
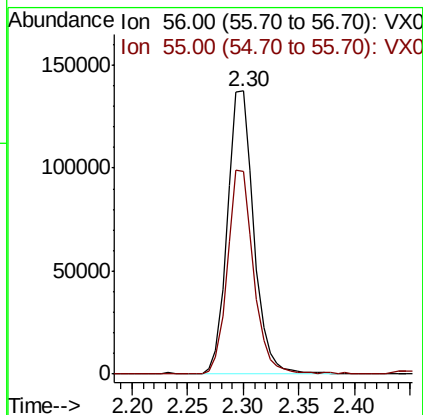
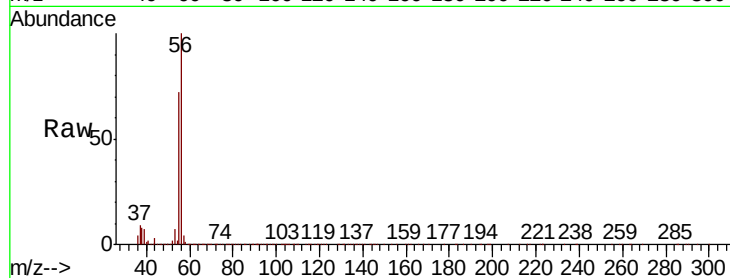
55 70.9 57.8 86.6

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#14

Allyl chloride

Concen: 50.882 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

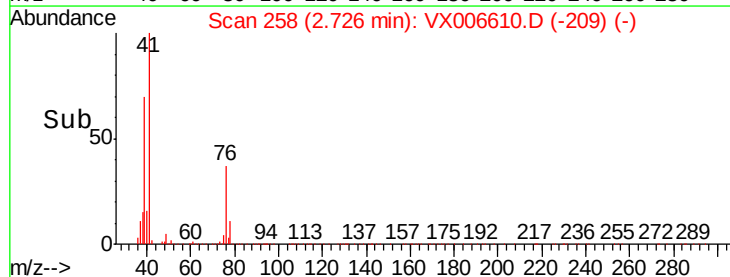
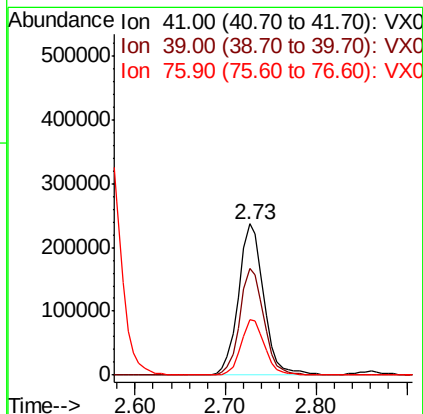
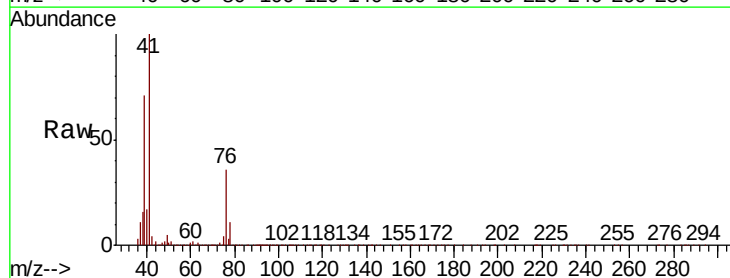
Tgt Ion: 41 Resp: 458031

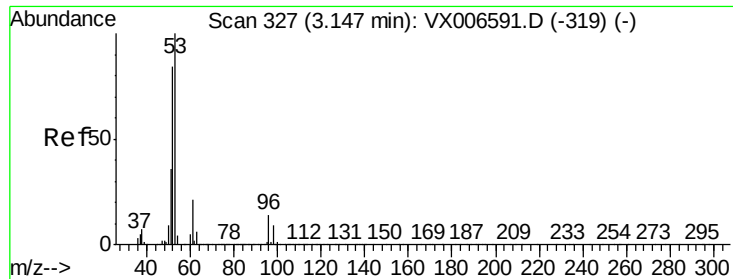
Ion Ratio Lower Upper

41 100

39 67.0 52.4 78.6

76 33.8 25.4 38.0





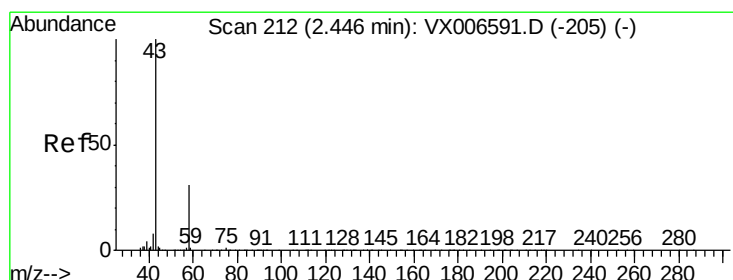
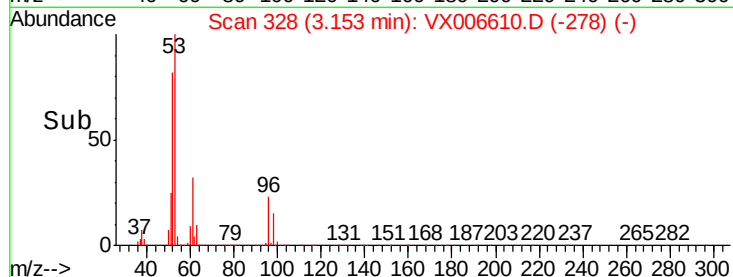
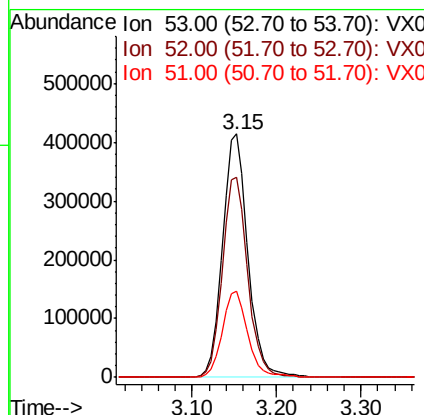
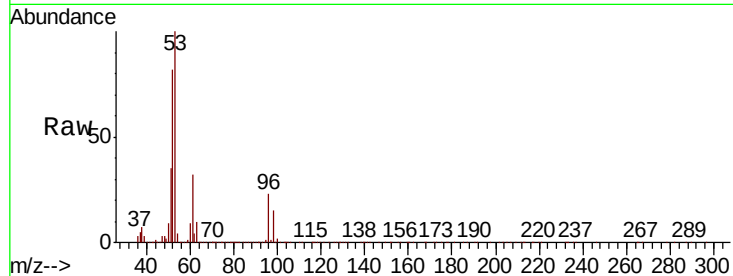
#15
Acrylonitrile
Concen: 266.671 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.3	66.2	99.4	
51	35.8	28.7	43.1	

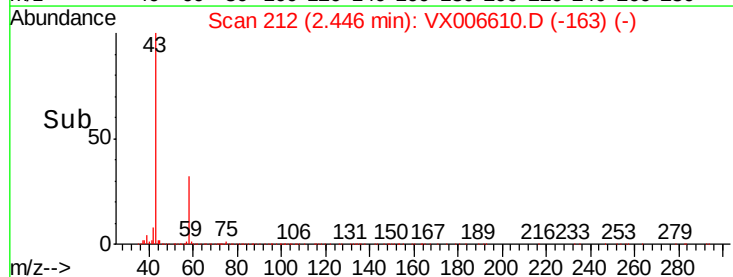
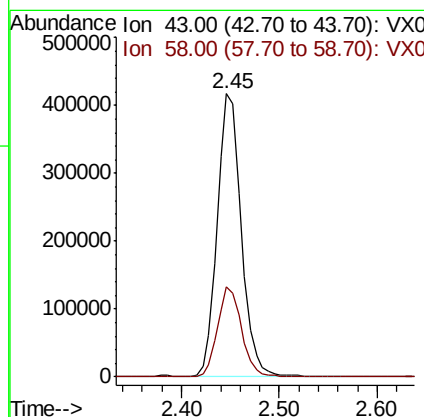
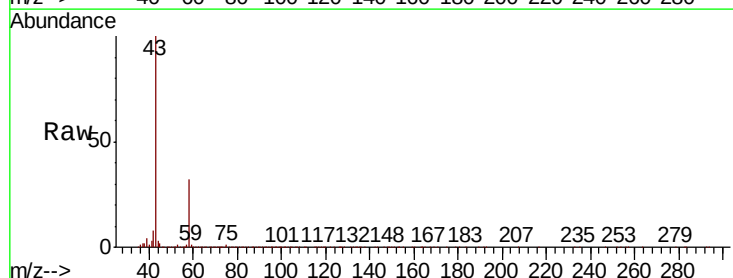
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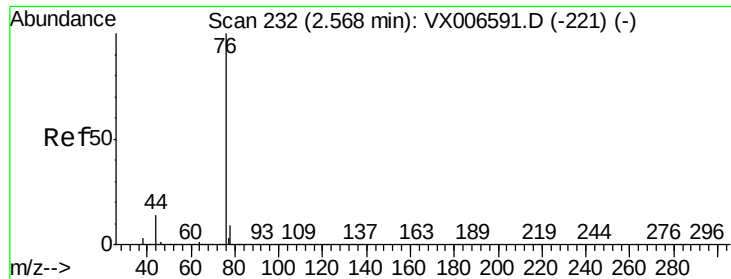
MMDadoda
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#16
Acetone
Concen: 239.317 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	32.0	24.0	36.0	





#17

Carbon Disulfide

Concen: 47.498 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tot Ion: 76 Resp: 672222

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

Instrument :

MSVOA_X

ClientSampleId :

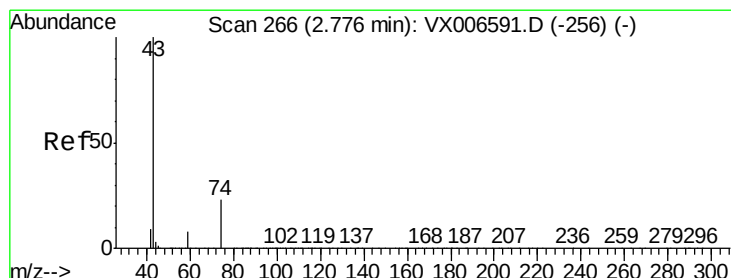
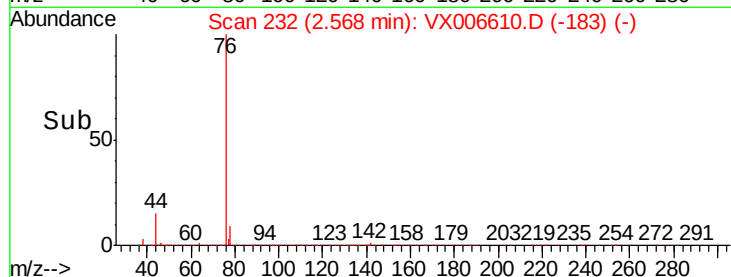
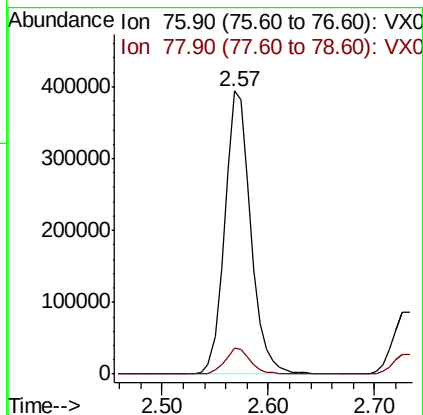
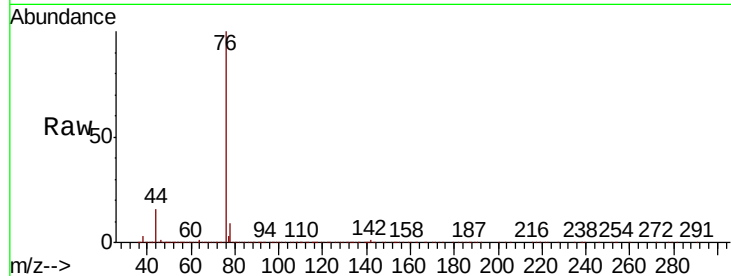
VSTDCCC050

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#18

Methyl Acetate

Concen: 53.157 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006610.D

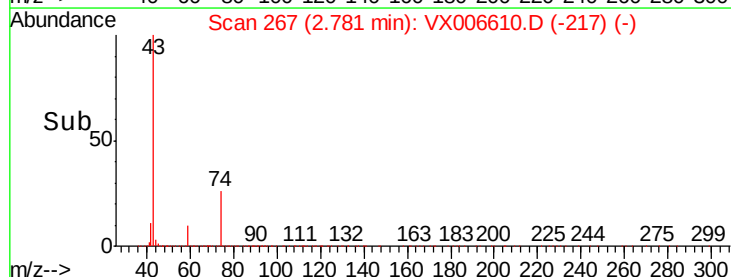
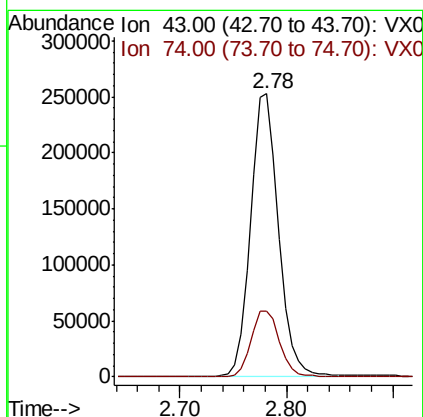
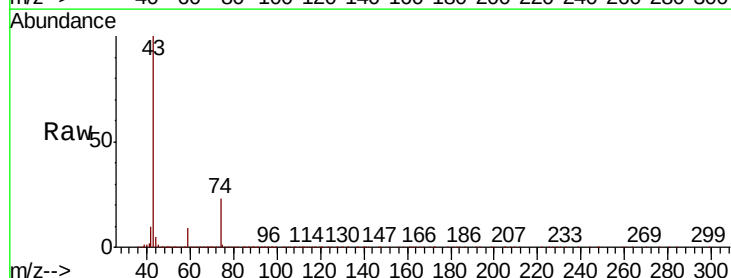
Acq: 18 Dec 2018 21:11

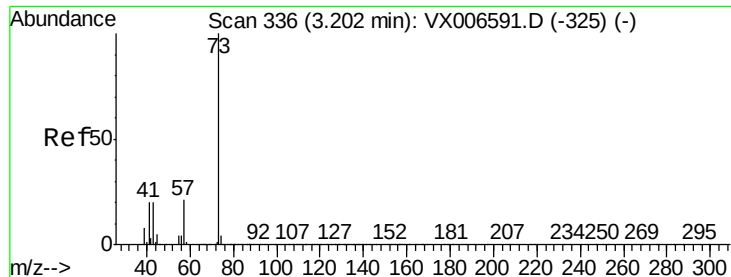
Tgt Ion: 43 Resp: 463257

Ion Ratio Lower Upper

43 100

74 24.5 17.9 26.9





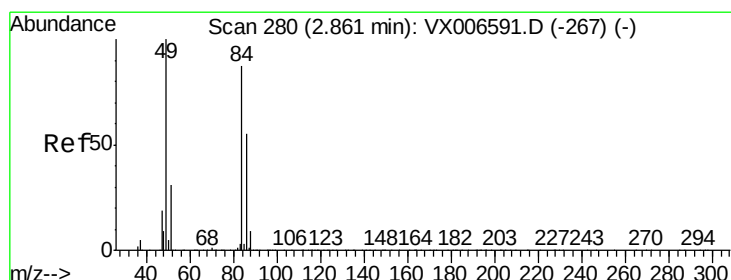
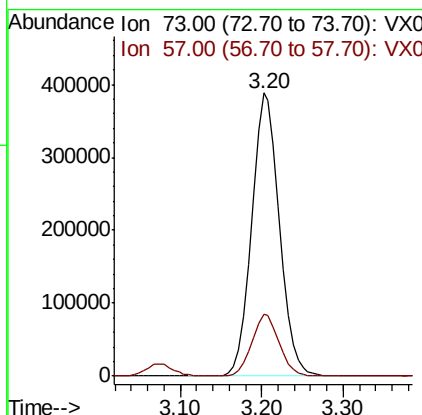
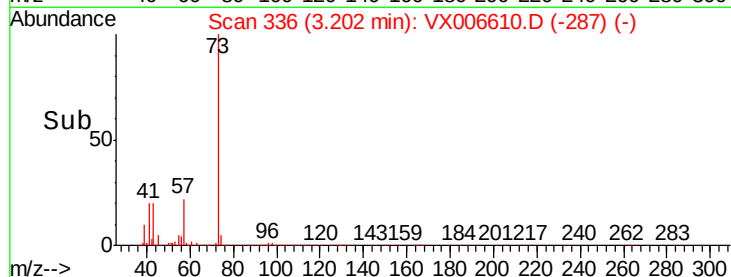
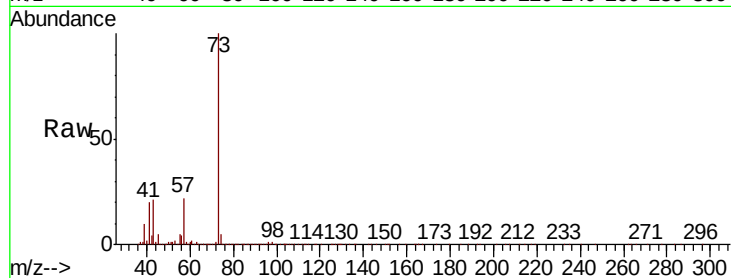
#19
Methyl tert-butyl Ether
Concen: 51.881 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.5	26.3

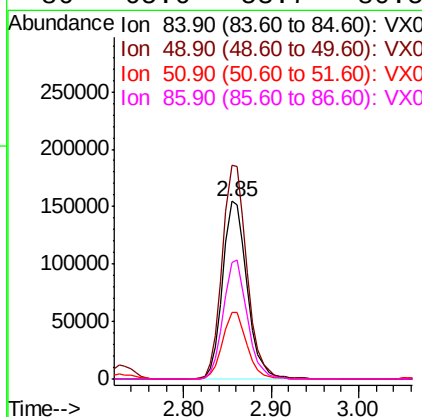
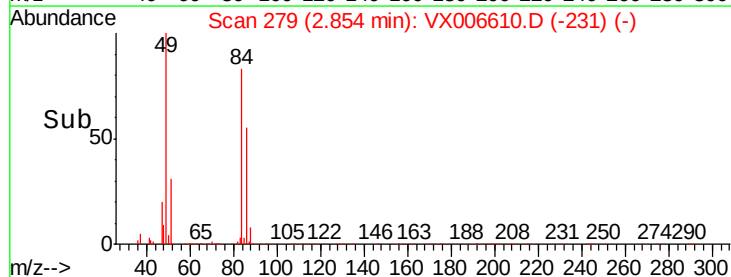
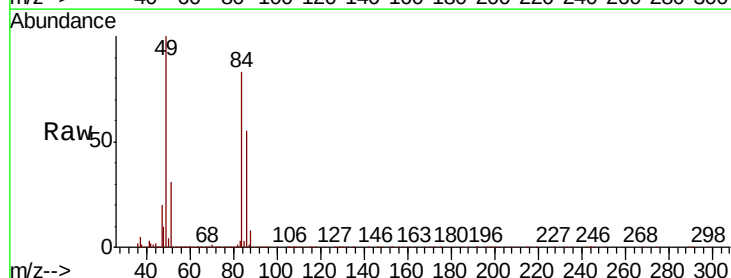
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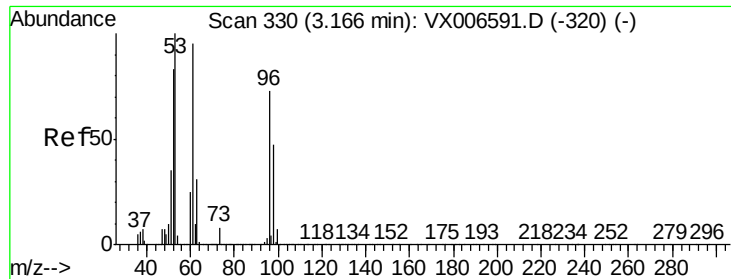
MMDadoda
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#20
Methylene Chloride
Concen: 49.059 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	102.2	153.4
51	37.5	31.1	46.7
86	65.6	53.7	80.5





#21

trans-1,2-Dichloroethene

Concen: 48.330 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

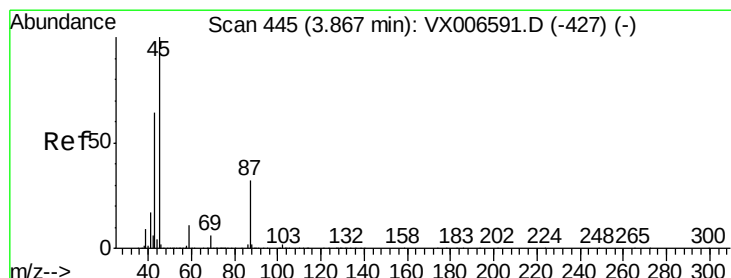
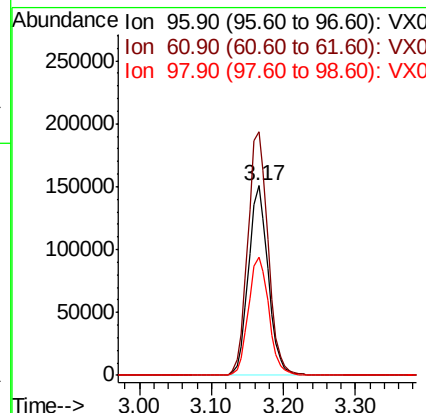
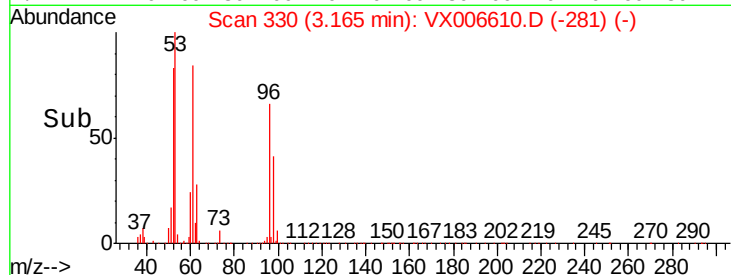
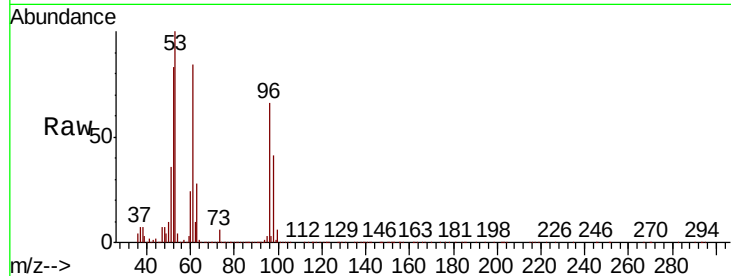
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	286379
Ion Ratio	Lower	Upper	
96	100		
61	128.3	113.3	169.9
98	62.3	53.2	79.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.388 ug/l

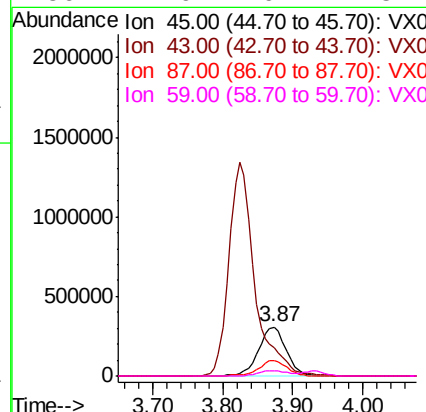
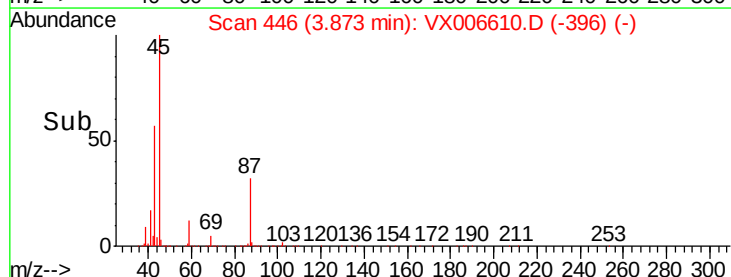
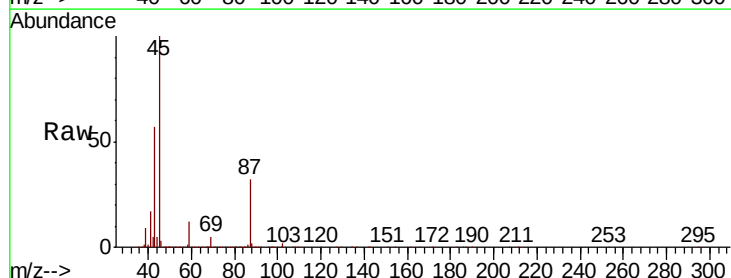
RT: 3.87 min Scan# 446

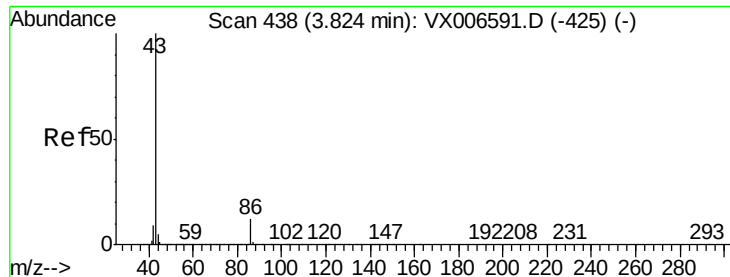
Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:	45	Resp:	846274
Ion Ratio	Lower	Upper	
45	100		
43	57.3	46.2	69.2
87	31.6	24.9	37.3
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 256.056 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3449219

Ion Ratio Lower Upper

43 100

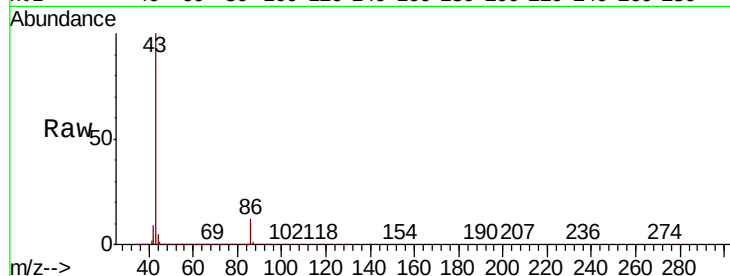
86 12.0 9.4 14.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1500000

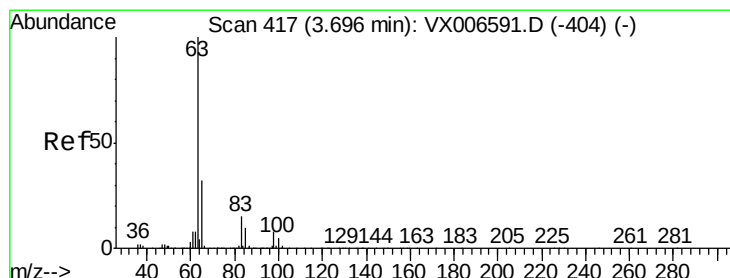
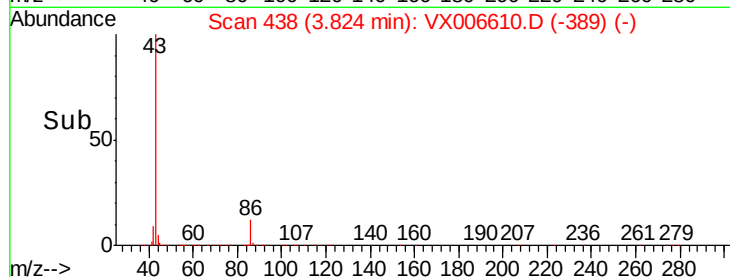
1000000

500000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.480 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

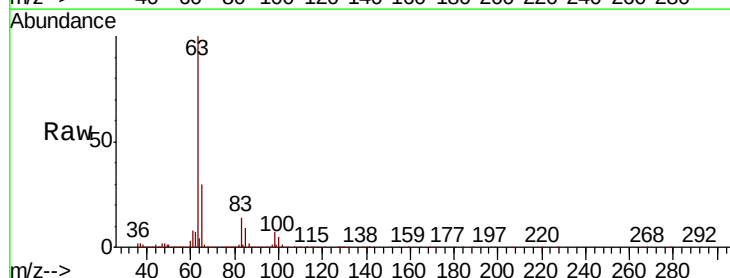
Tgt Ion: 63 Resp: 486429

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.4

100 4.6 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

250000

200000

150000

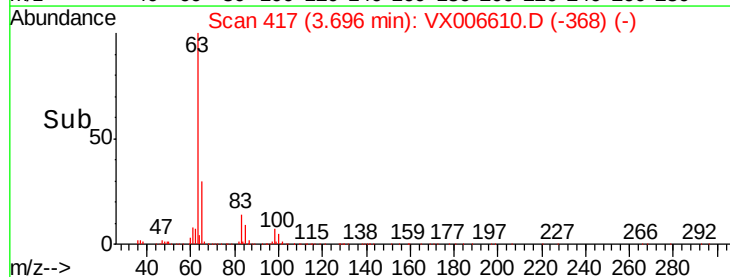
100000

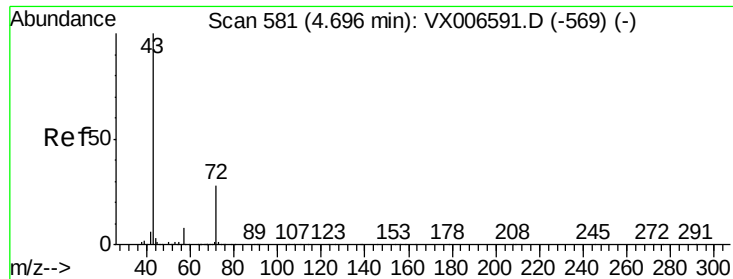
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 252.955 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1054551

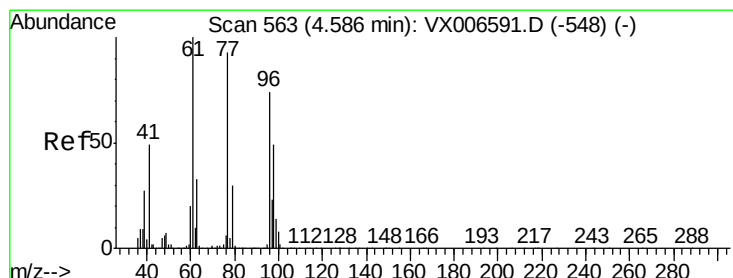
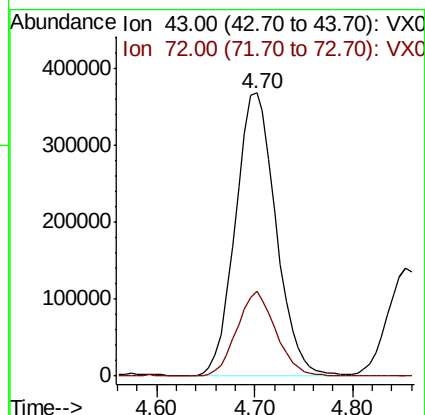
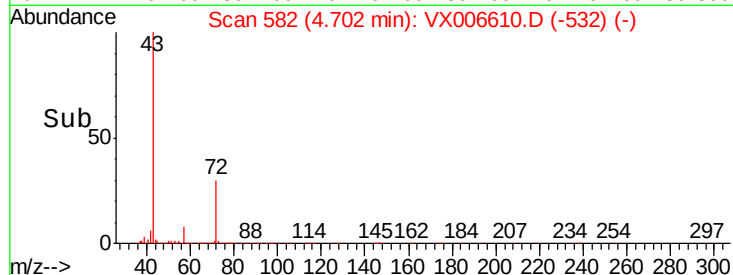
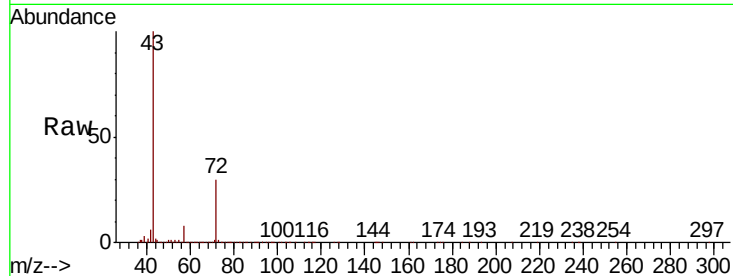
Ion Ratio Lower Upper

43 100

72 29.9 22.6 33.8

Manual Integrations
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MMDadoda
12/19/2018 11:22:45 AM



#26

2,2-Dichloropropane

Concen: 45.320 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006610.D

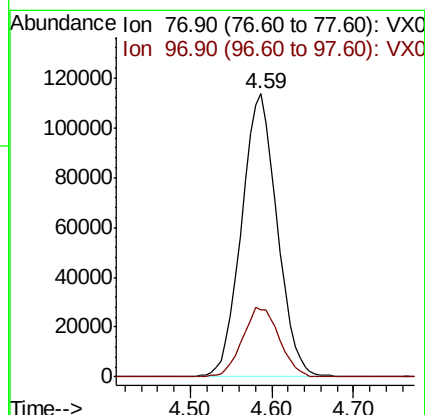
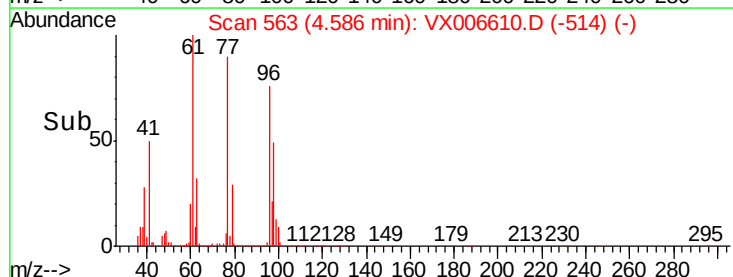
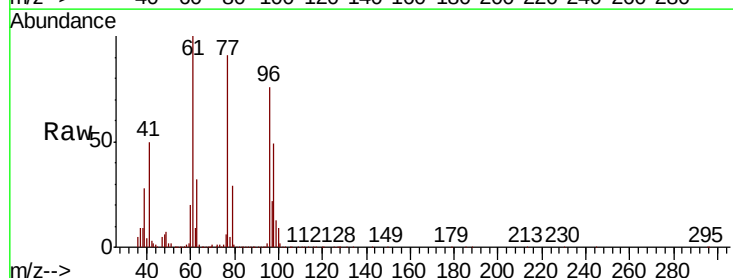
Acq: 18 Dec 2018 21:11

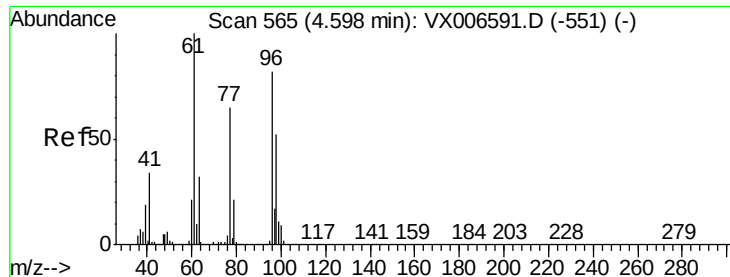
Tgt Ion: 77 Resp: 344155

Ion Ratio Lower Upper

77 100

97 25.5 12.3 36.8





#27

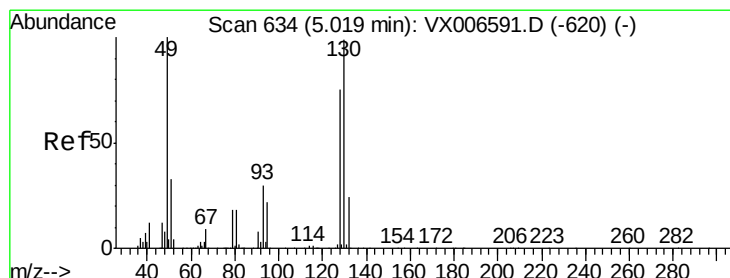
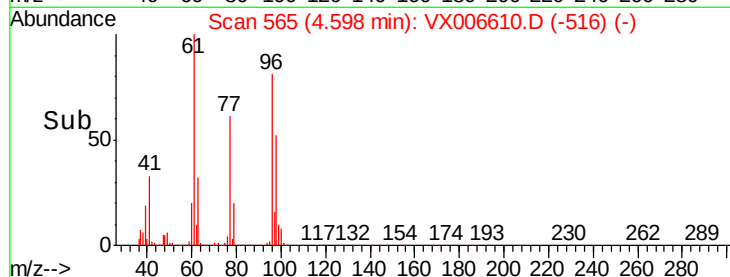
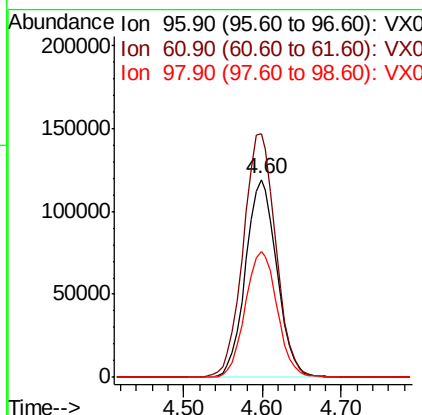
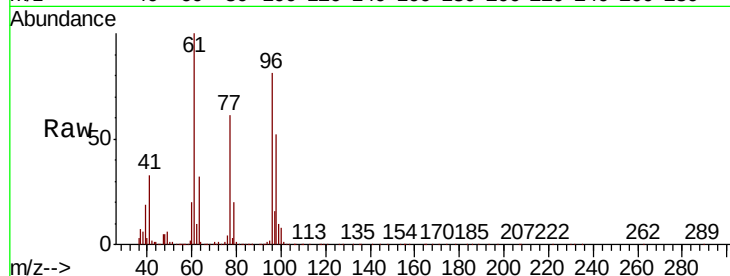
cis-1,2-Dichloroethene
Concen: 50.182 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	265.0
98	65.2	0.0	130.2

Manual Integrations
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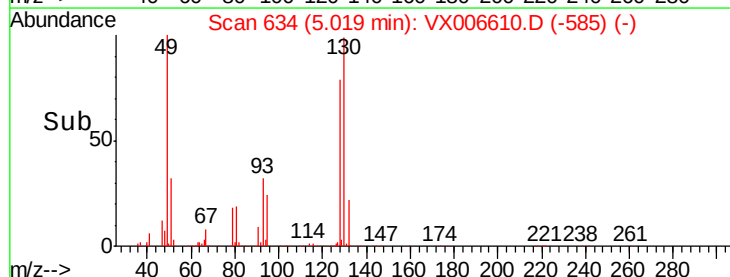
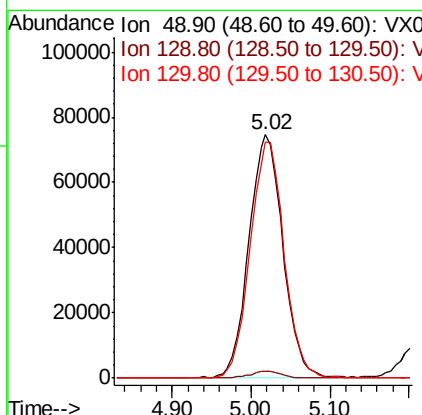
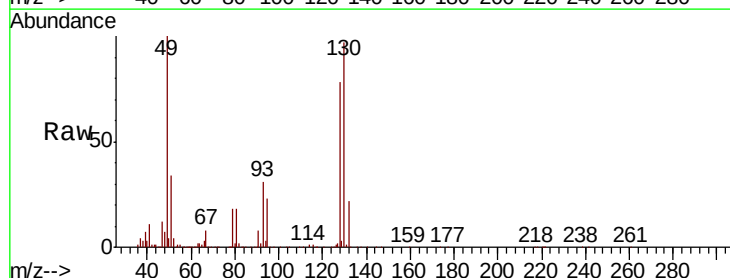
MMDadoda
12/19/2018 11:22:45 AM

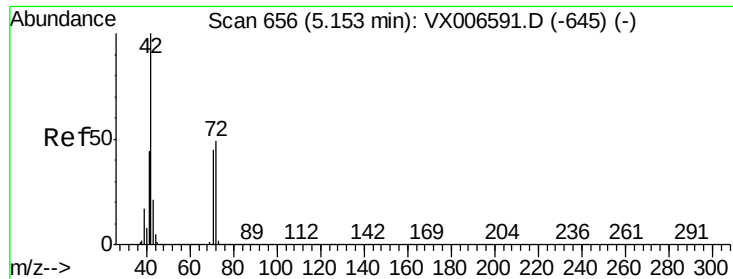


#28

Bromochloromethane
Concen: 54.202 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	96.6	78.3	117.5





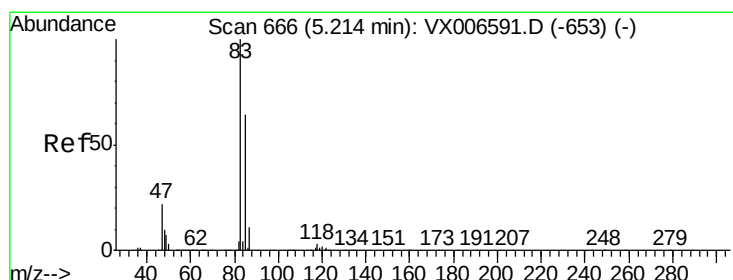
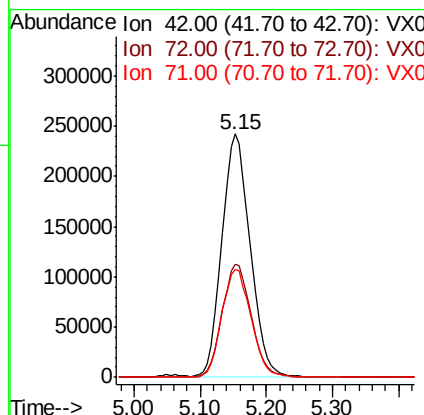
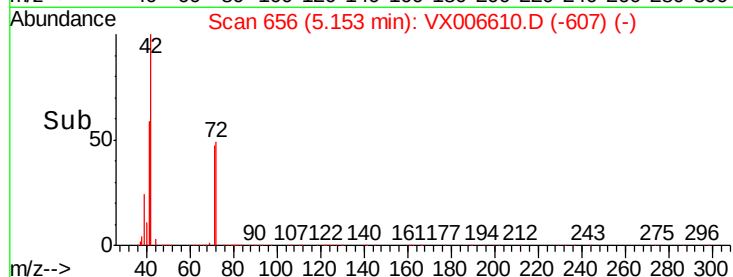
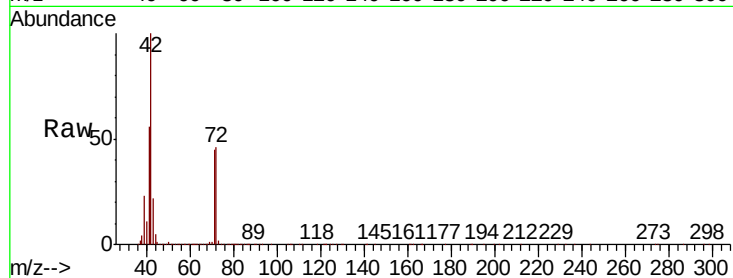
#29
Tetrahydrofuran
Concen: 260.700 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.8	56.8
71	45.8	35.2	52.8

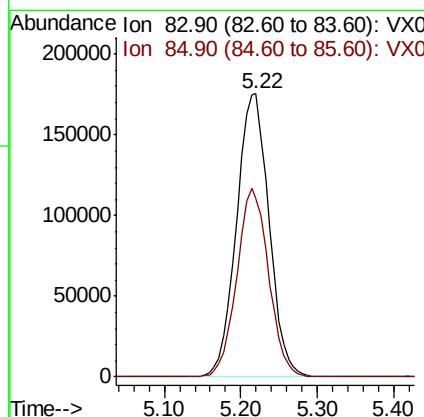
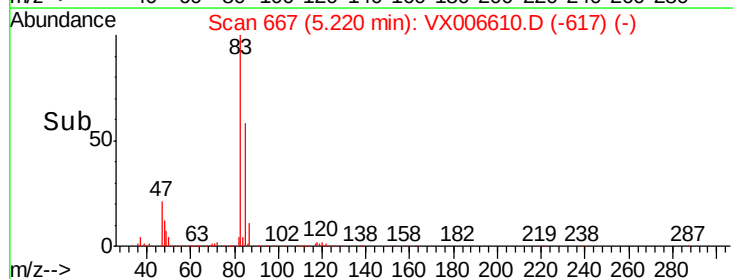
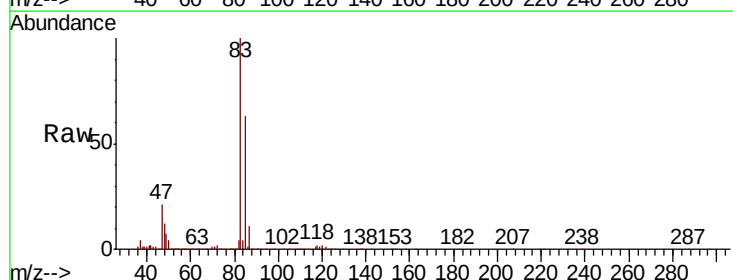
Manual Integrations
APPROVED

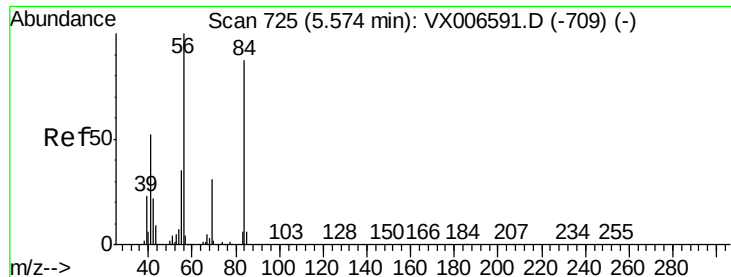
MMDadoda
12/19/2018 11:22:45 AM



#30
Chloroform
Concen: 50.873 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.3	75.5





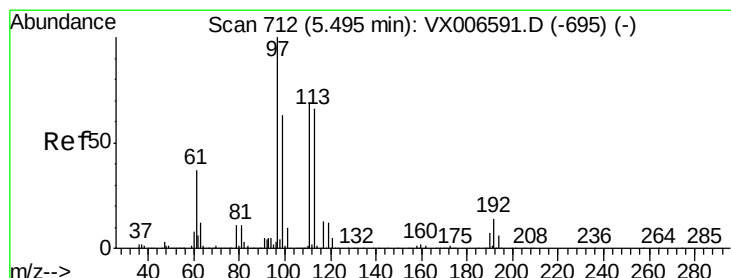
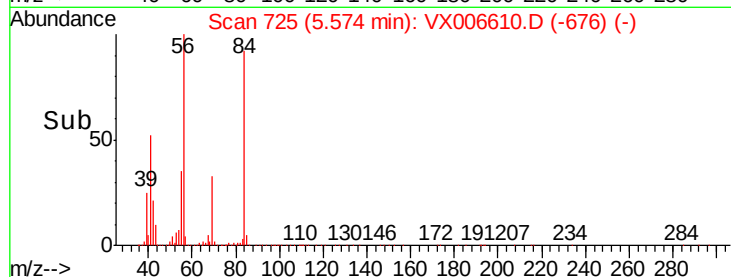
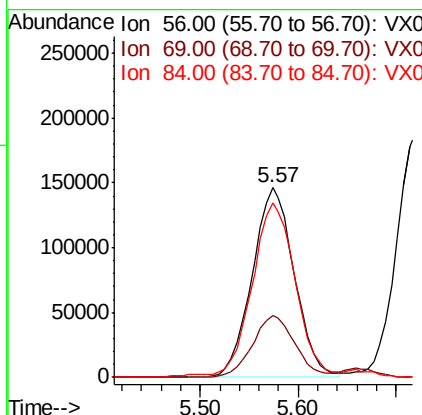
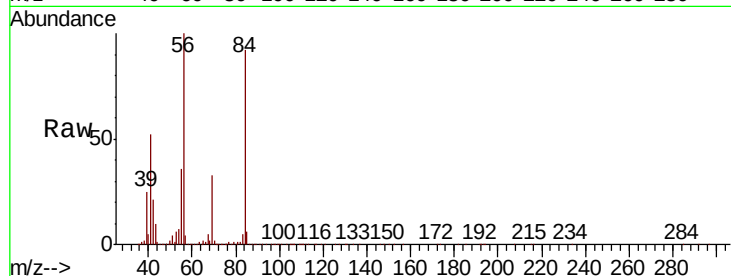
#31
Cyclohexane
Concen: 49.154 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.5	36.7
84	90.6	71.8	107.6

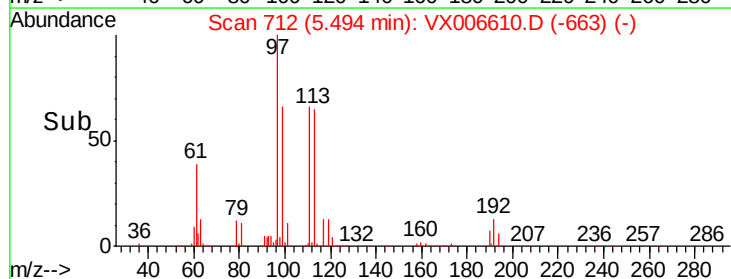
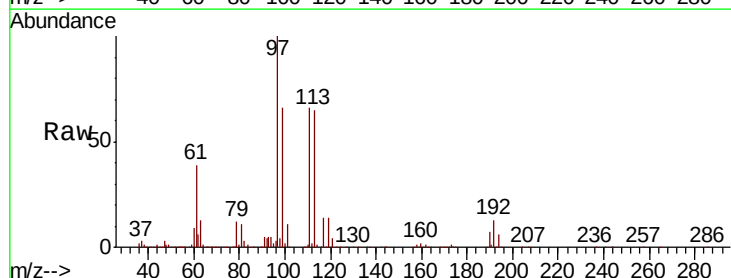
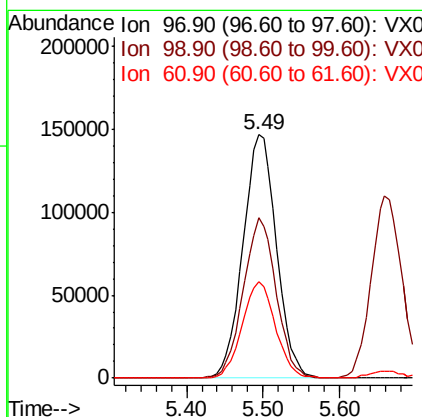
Manual Integrations
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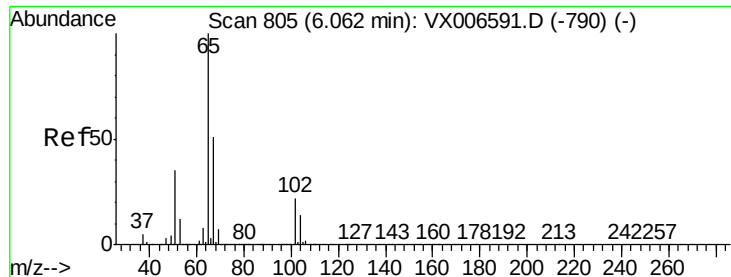
MMDadoda
12/19/2018 11:22:45 AM



#32
1,1,1-Trichloroethane
Concen: 52.042 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.6	77.4
61	39.3	30.6	46.0





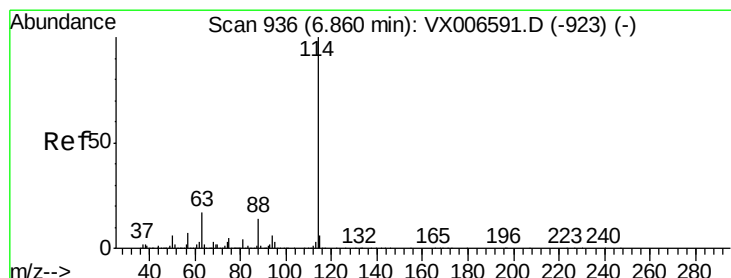
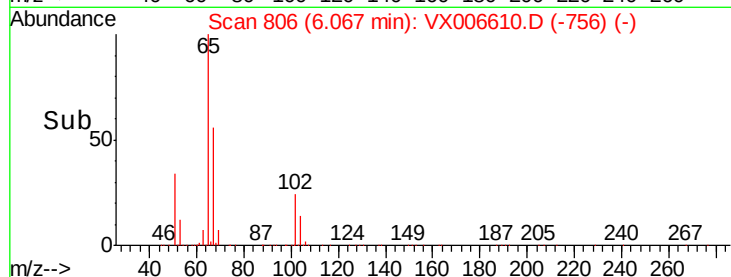
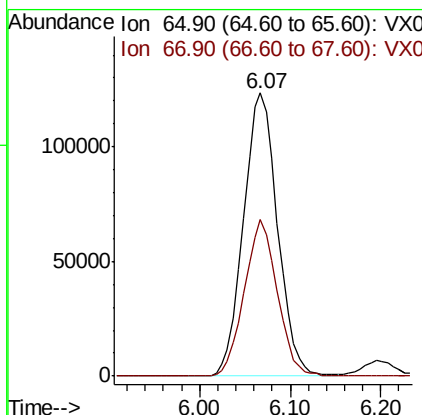
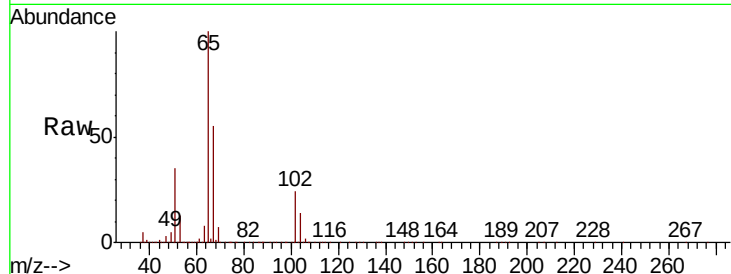
#33
 1,2-Dichloroethane-d4
 Concen: 49.504 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	319347		
67	53.4	0.0	107.2	

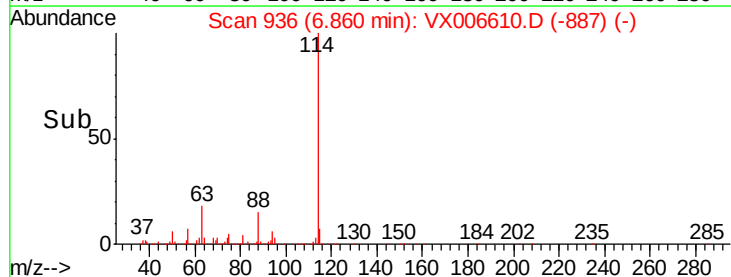
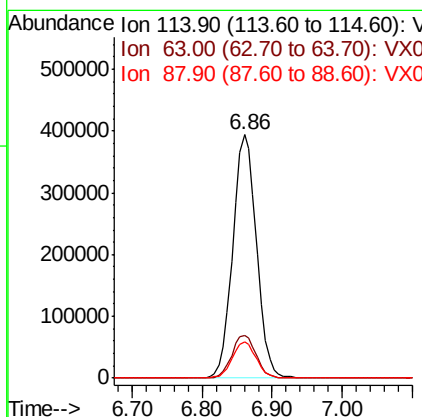
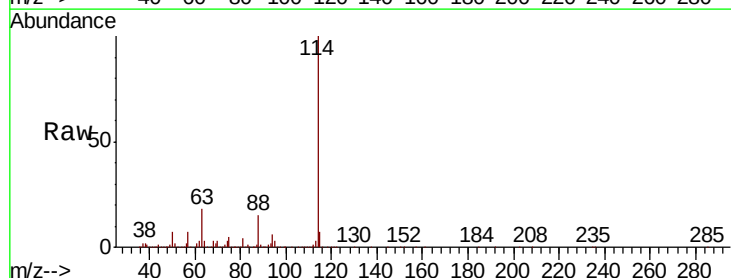
Manual Integrations
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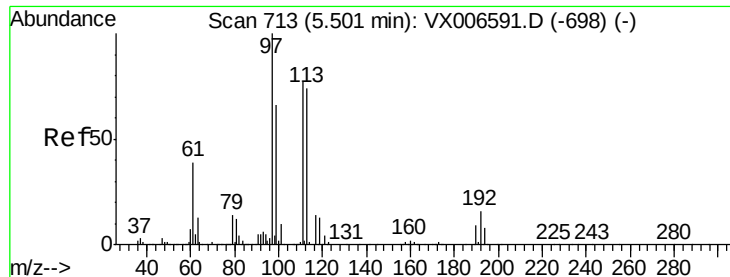
MMDadoda
 12/19/2018 11:22:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	929414		
63	17.7	0.0	36.6	
88	14.8	0.0	29.0	





#35

Dibromofluoromethane

Concen: 50.103 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

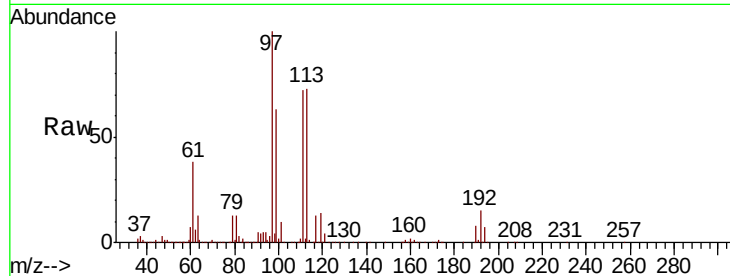
ClientSampleId :

VSTDCCC050

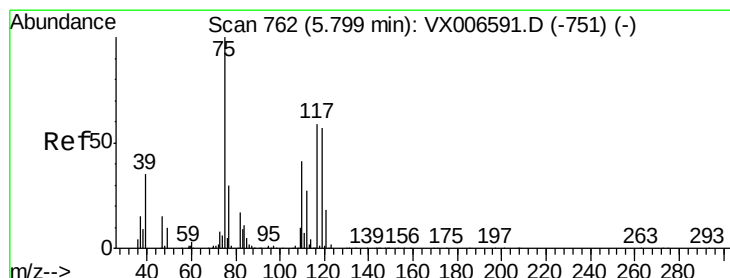
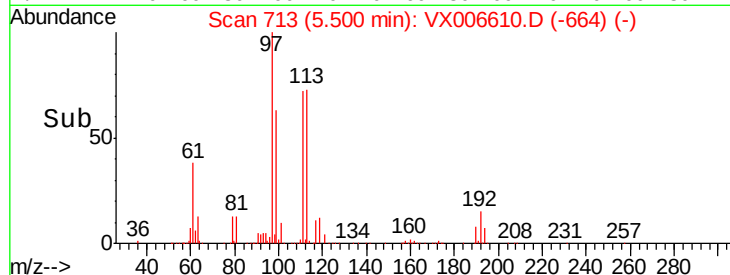
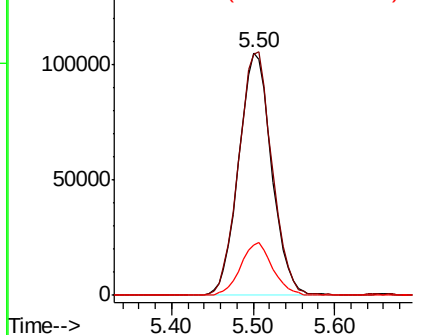
Tot Ion:	113	Resp:	294476
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.1	121.7
192	21.3	18.2	27.2

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



#36

1,1-Dichloropropene

Concen: 49.355 ug/l

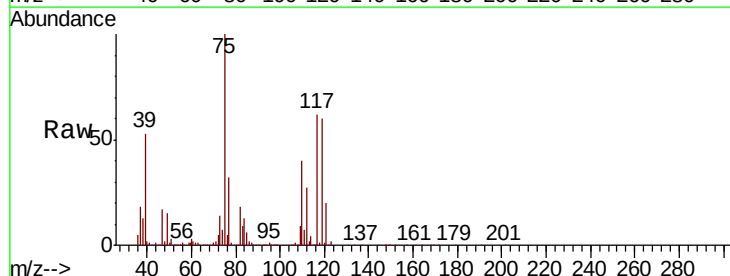
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

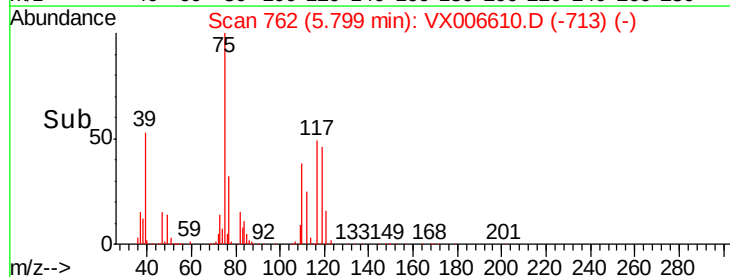
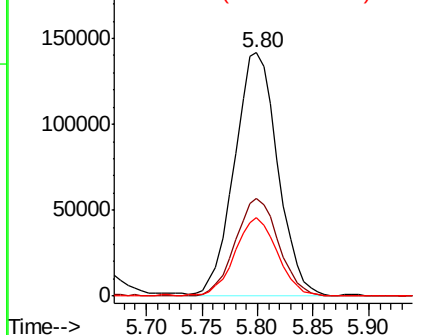
Lab File: VX006610.D

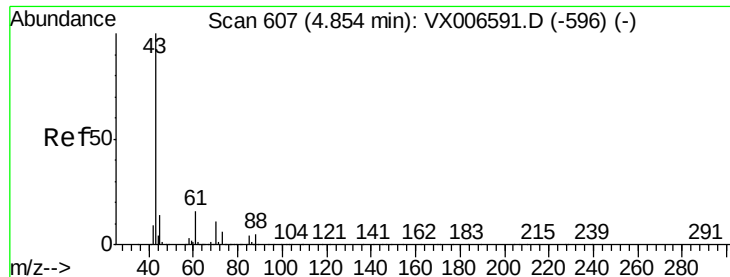
Acq: 18 Dec 2018 21:11

Tgt Ion:	75	Resp:	379922
Ion Ratio	Lower	Upper	
75	100		
110	40.5	20.4	61.3
77	31.8	24.9	37.3



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





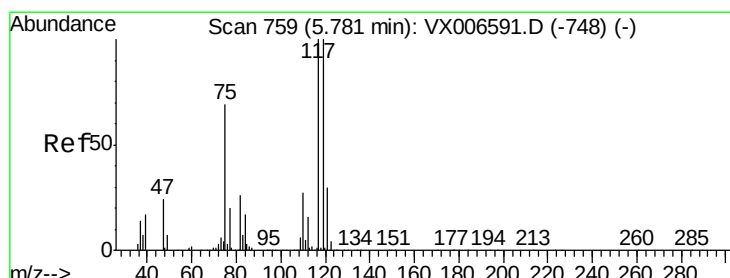
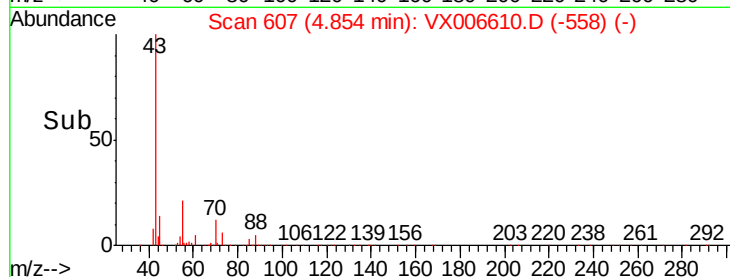
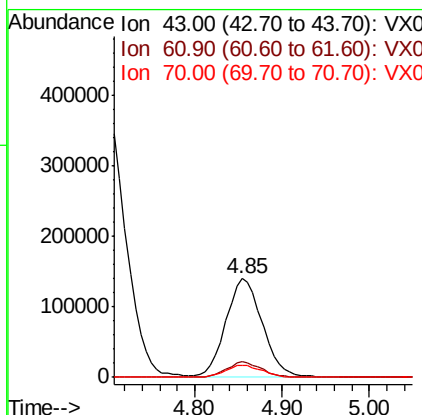
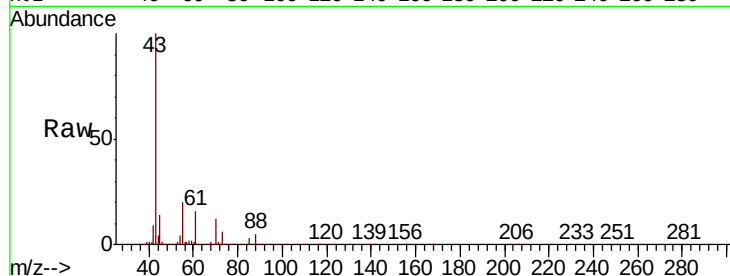
#37
Ethyl Acetate
Concen: 50.462 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.4	9.0	13.6

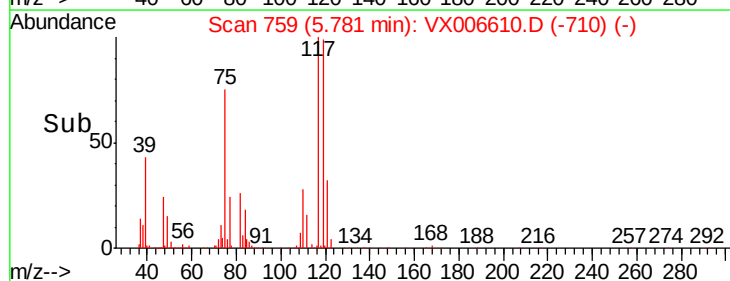
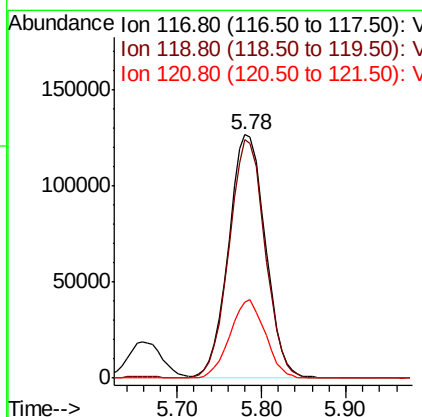
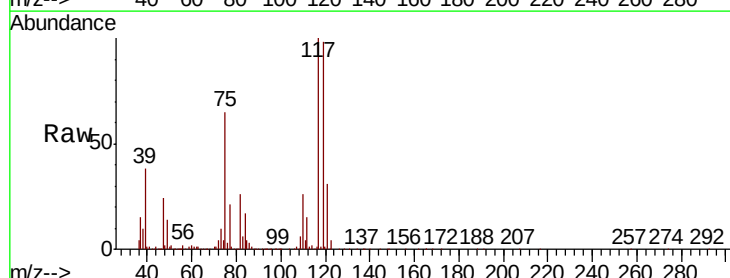
Manual Integrations
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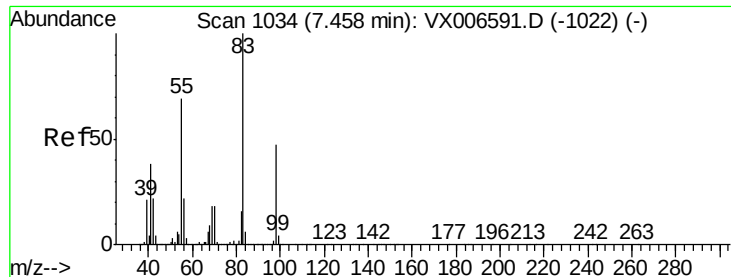
MMDadoda
12/19/2018 11:22:45 AM



#38
Carbon Tetrachloride
Concen: 49.980 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.8	113.8
121	31.3	24.6	37.0





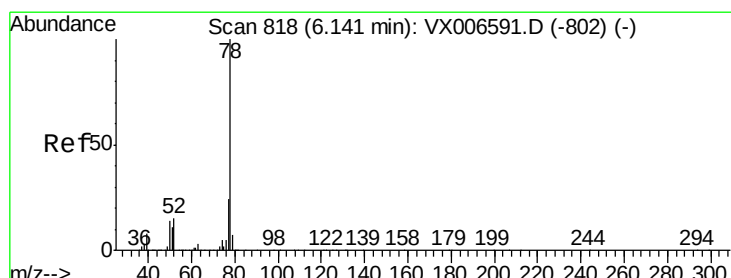
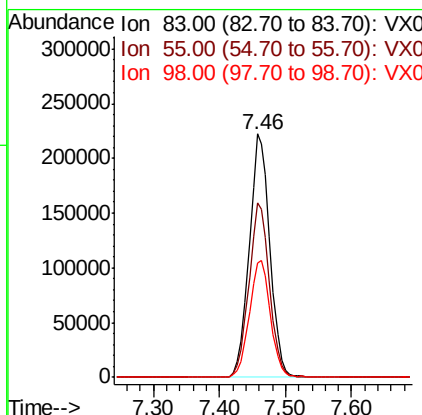
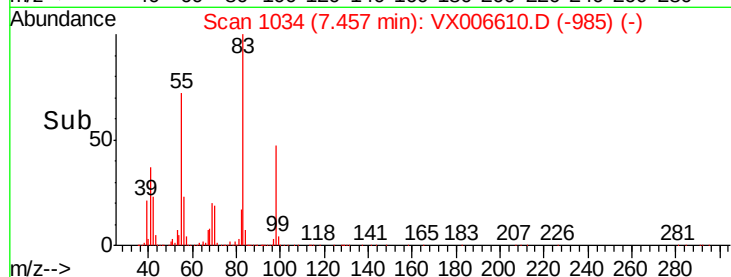
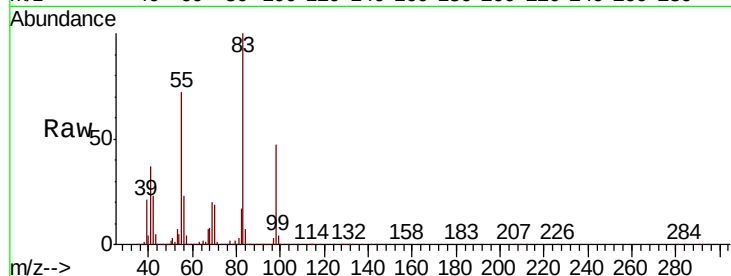
#39
Methylvlcyclohexane
Concen: 47.672 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	56.4	84.6
98	47.0	39.0	58.6

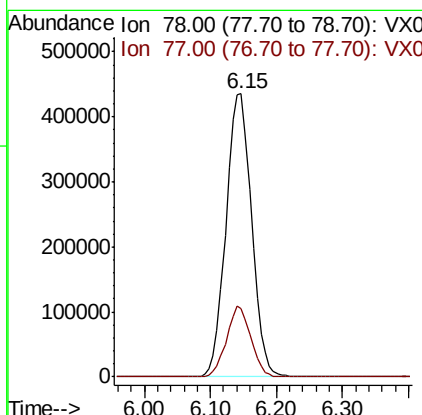
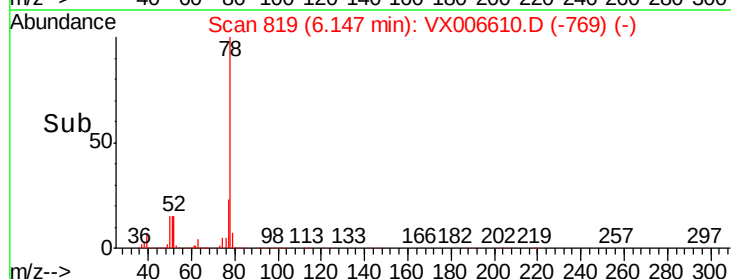
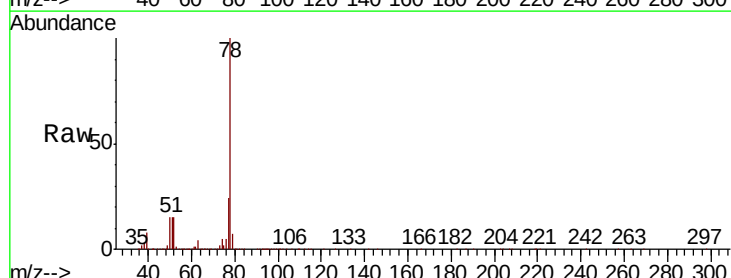
Manual Integrations
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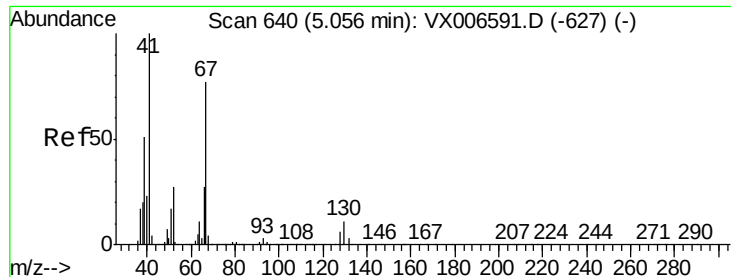
MMDadoda
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#40
Benzene
Concen: 49.980 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





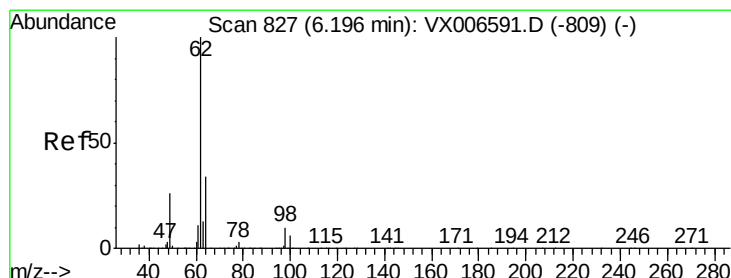
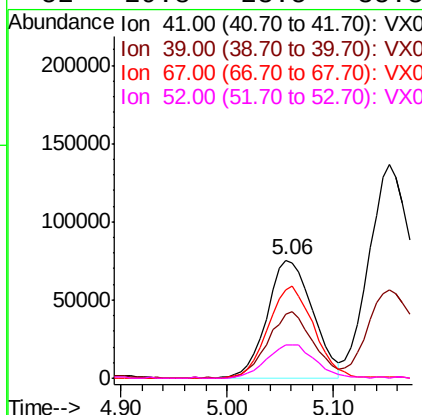
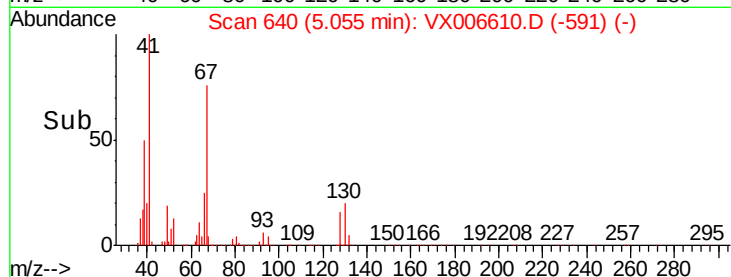
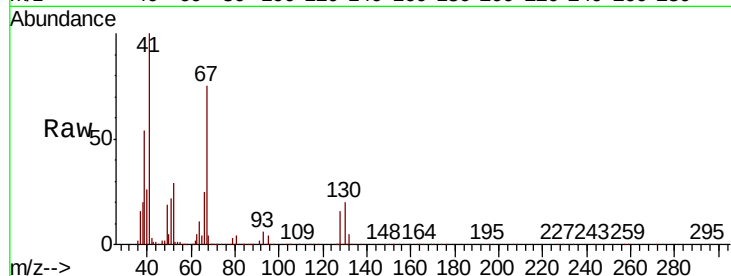
#41
Methacrylonitrile
Concen: 49.698 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		223754		
39	54.8	44.0	66.0		
67	78.0	61.4	92.0		
52	29.8	23.5	35.3		

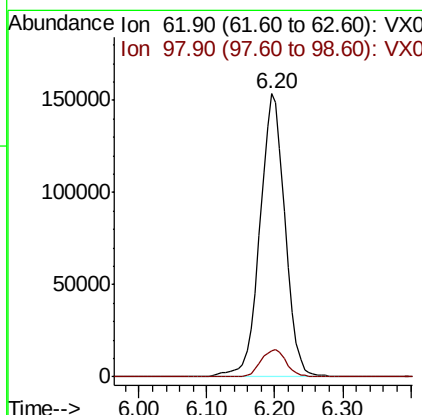
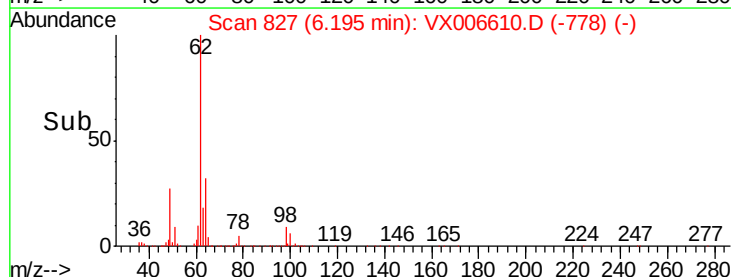
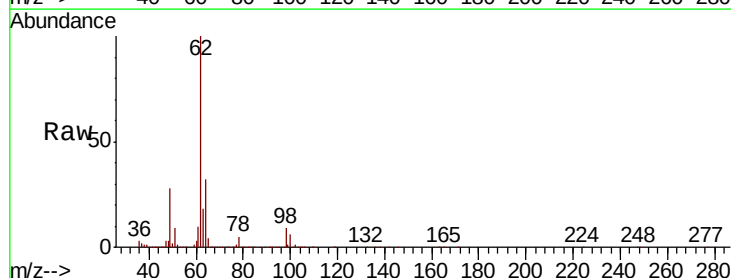
Manual Integrations
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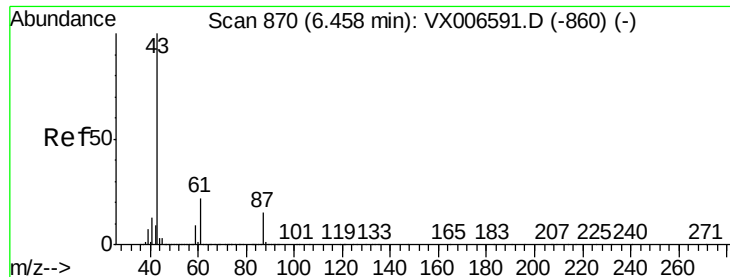
MMDadoda
12/19/2018 11:22:45 AM



#42
1,2-Dichloroethane
Concen: 49.477 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		394485		
98	9.8	0.0	20.2		





#43

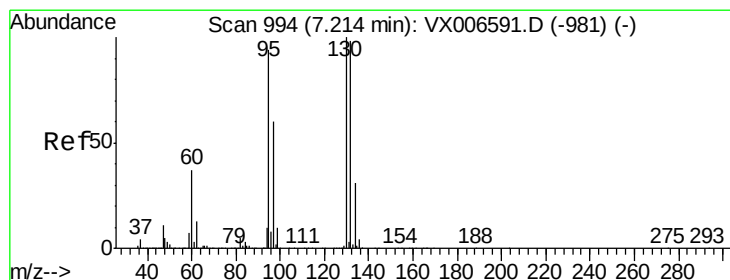
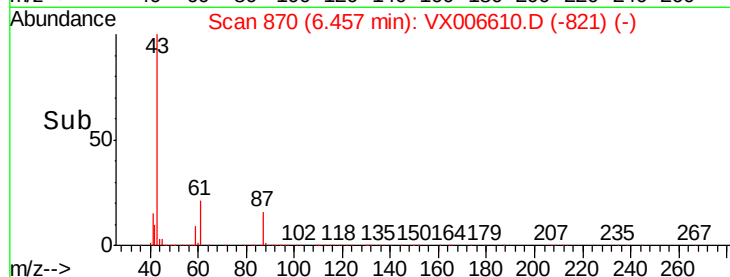
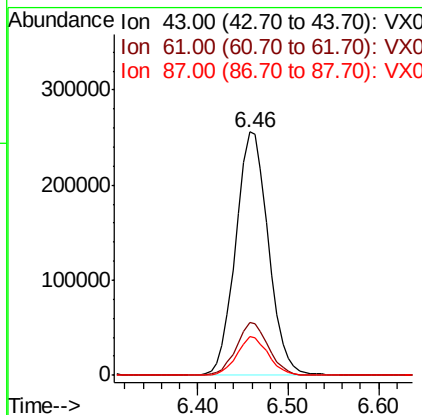
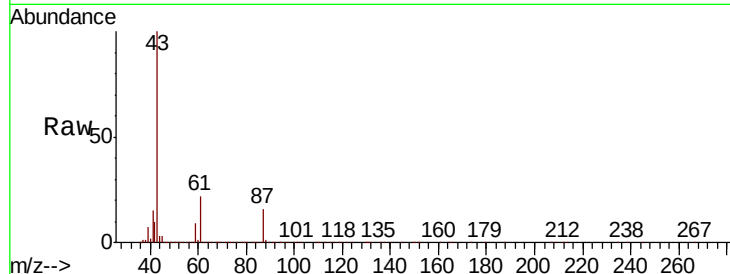
Isopropyl Acetate
 Concen: 52.362 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.8	25.2
87	15.4	11.9	17.9

Manual Integrations
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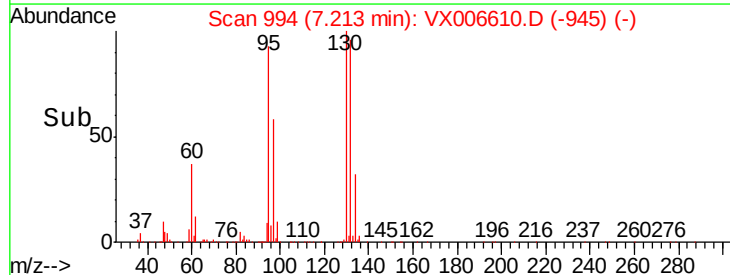
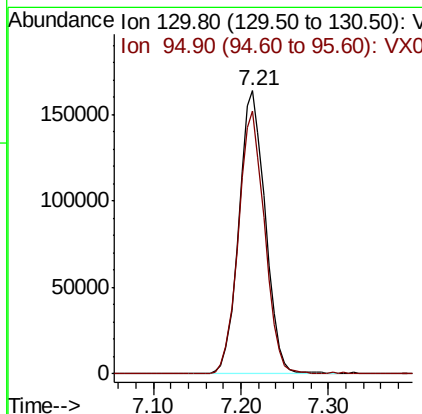
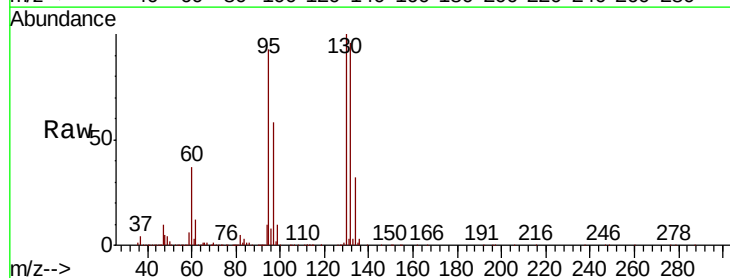
MMDadoda
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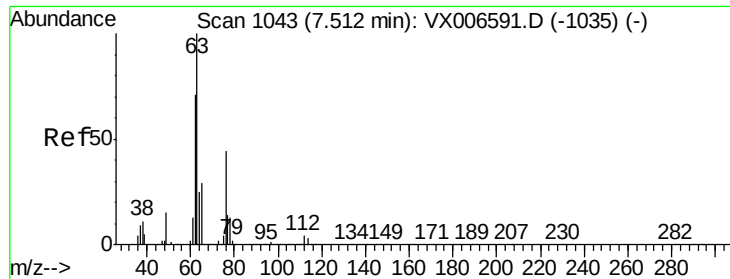


#44

Trichloroethene
 Concen: 48.490 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	175.8





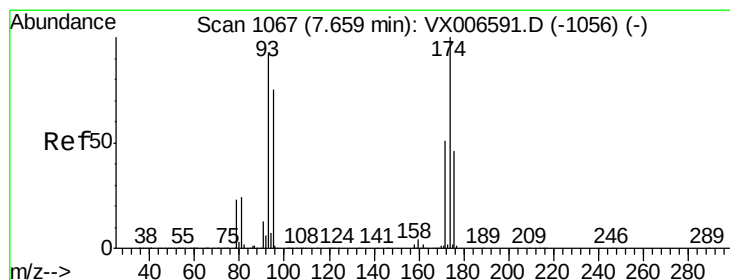
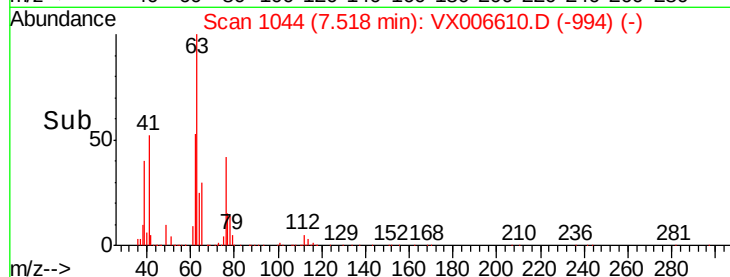
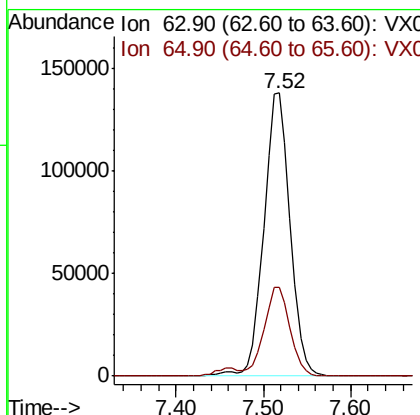
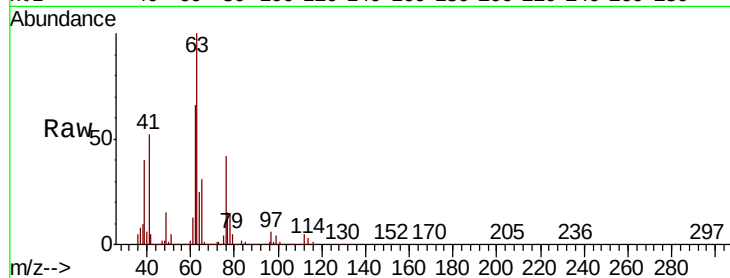
#45
 1,2-Dichloropropane
 Concen: 50.954 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.3	36.5

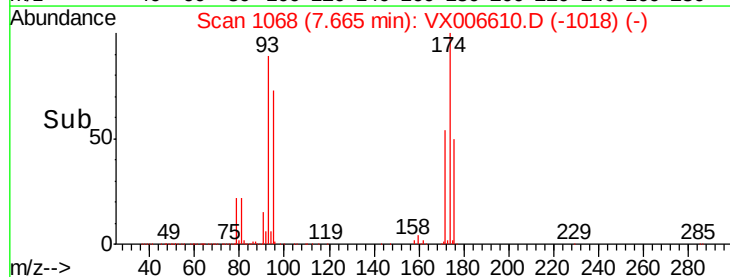
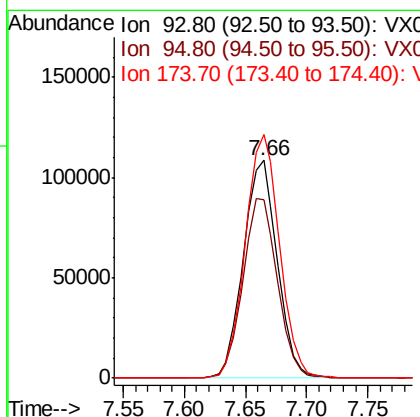
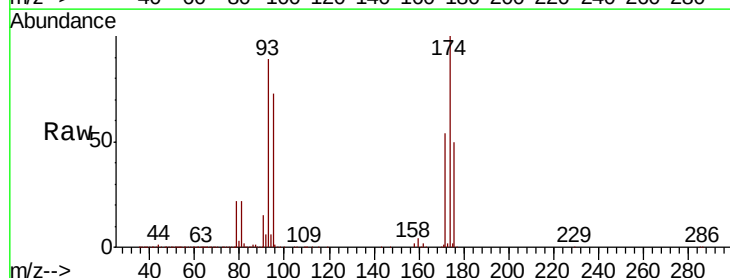
Manual Integrations
 APPROVED

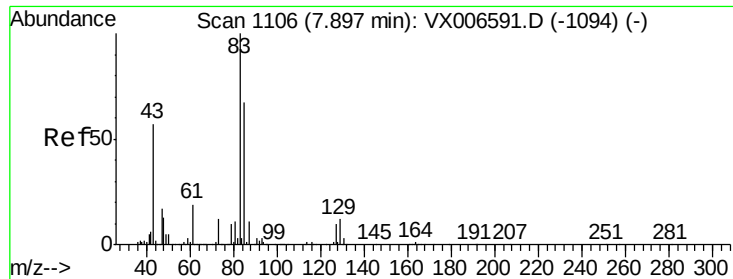
MMDadoda
 12/19/2018 11:22:45 AM



#46
 Dibromomethane
 Concen: 49.929 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.2	99.4
174	114.0	97.2	145.8





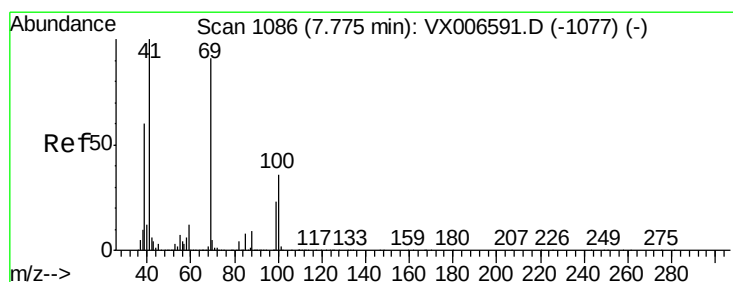
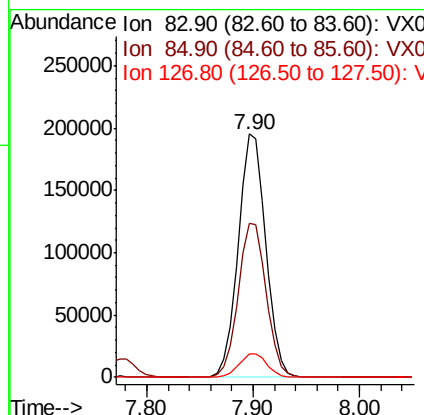
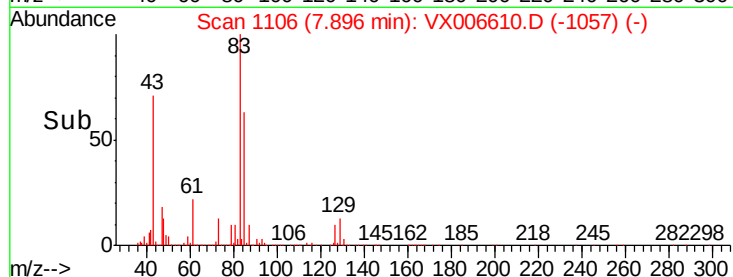
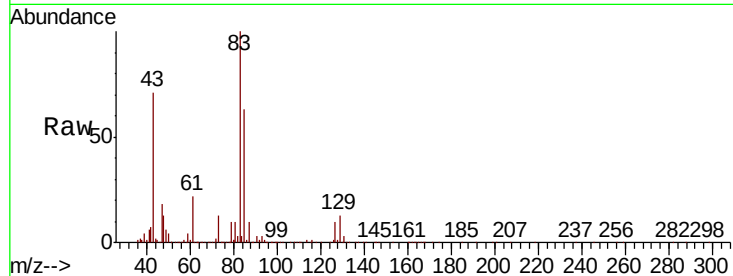
#47
Bromodichloromethane
Concen: 51.183 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	355896		
85	63.3	51.4	77.0	
127	9.7	7.9	11.9	

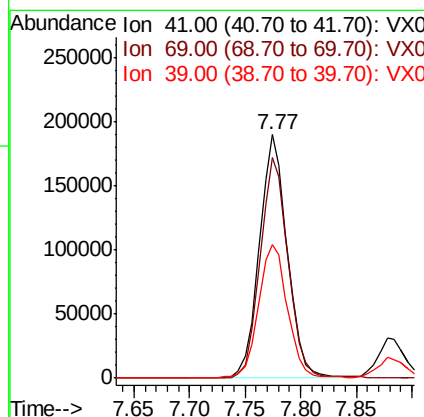
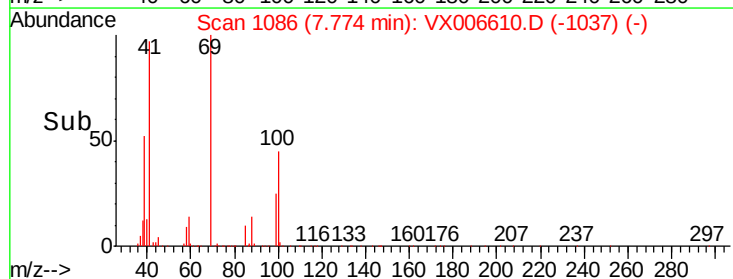
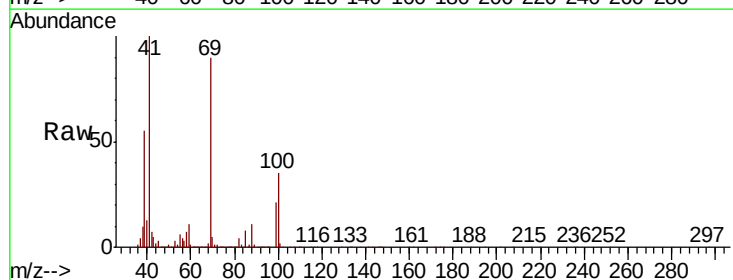
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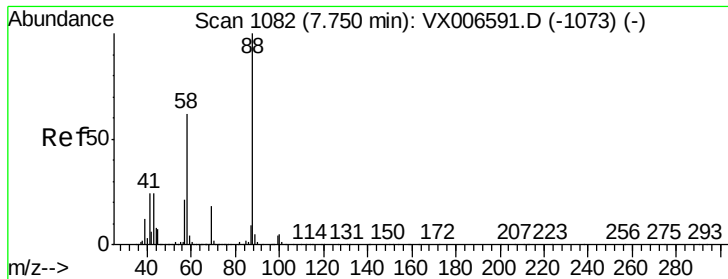
MMDadoda
12/19/2018 11:22:45 AM



#48
Methyl methacrylate
Concen: 53.363 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	330806		
69	91.4	70.3	105.5	
39	56.8	45.3	67.9	





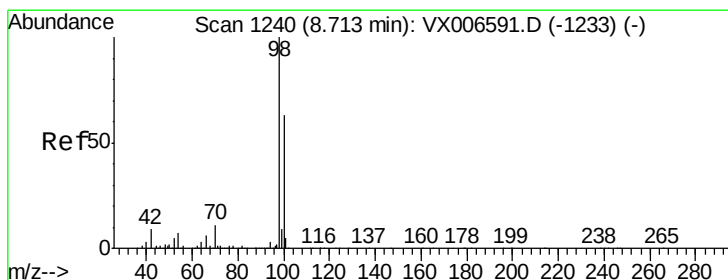
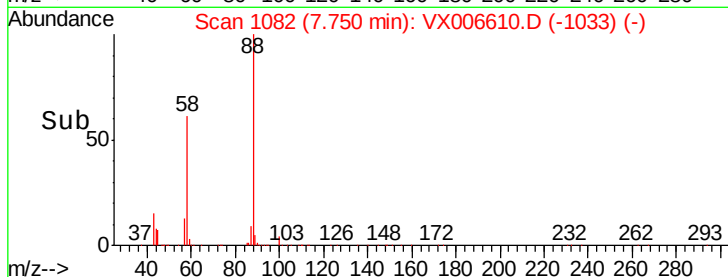
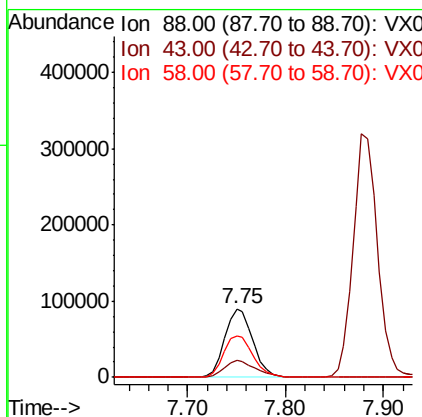
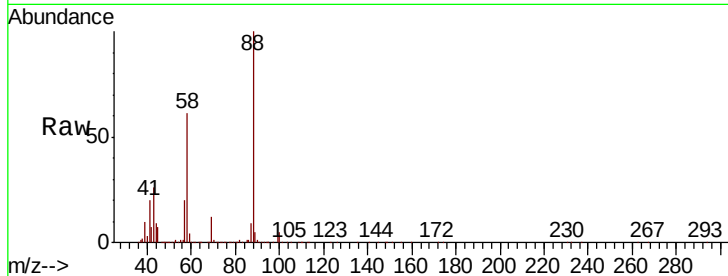
#49
1,4-Dioxane
Concen: 1100.665 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.5	23.2	34.8
58	63.6	51.4	77.0

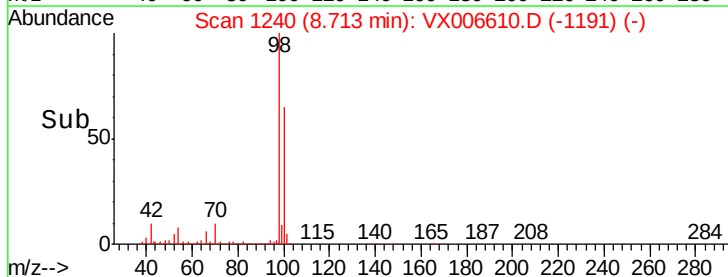
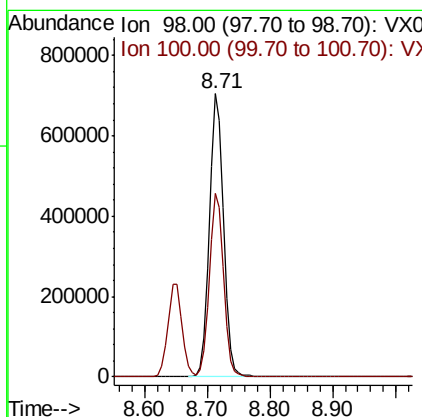
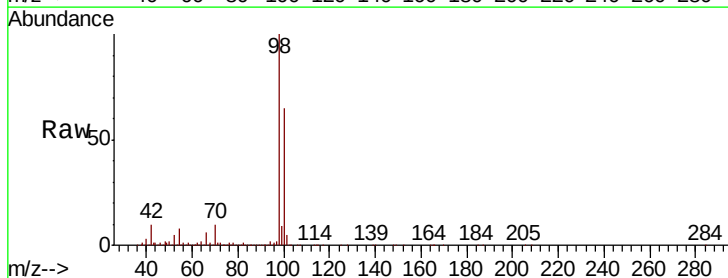
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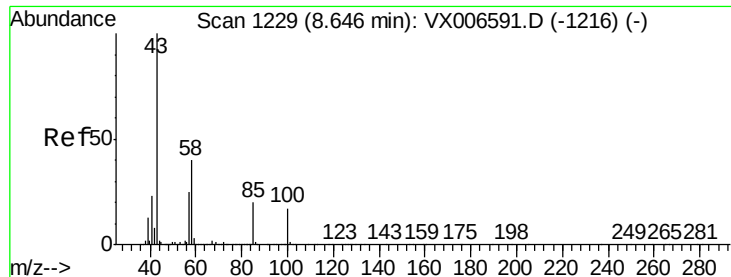
MMDadoda
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#50
Toluene-d8
Concen: 49.667 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 272.636 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2114682

Ion Ratio Lower Upper

43 100

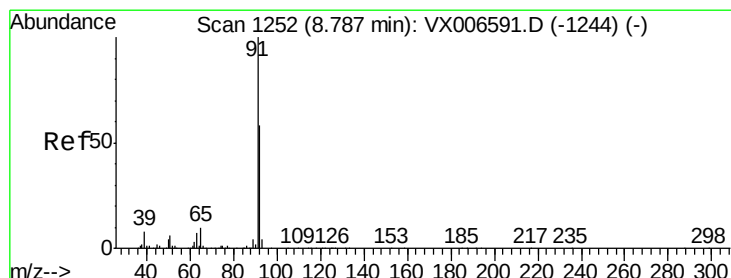
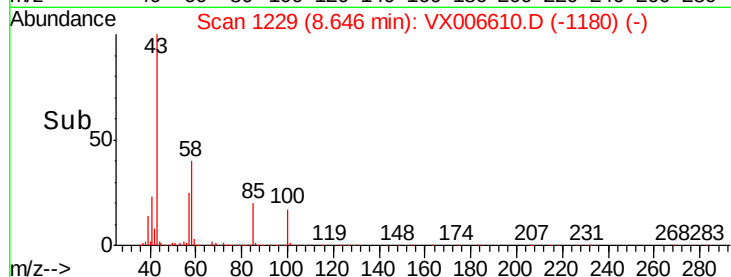
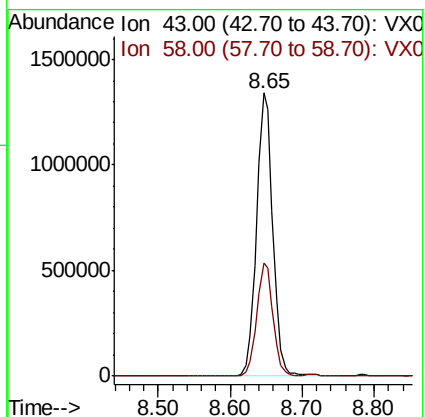
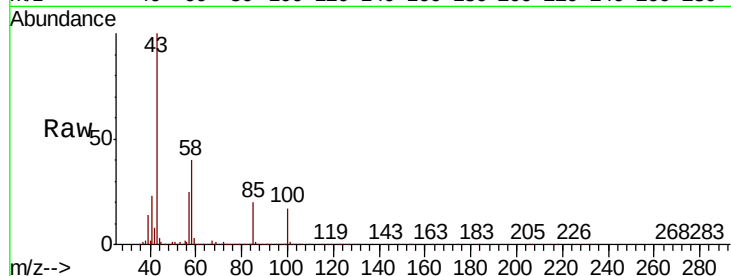
58 39.8 31.3 46.9

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#52

Toluene

Concen: 51.011 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006610.D

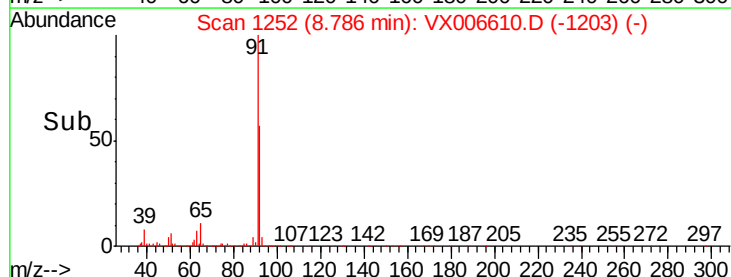
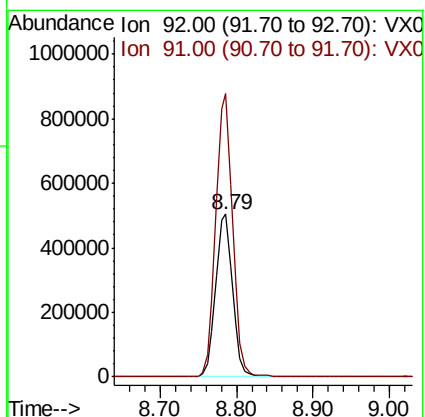
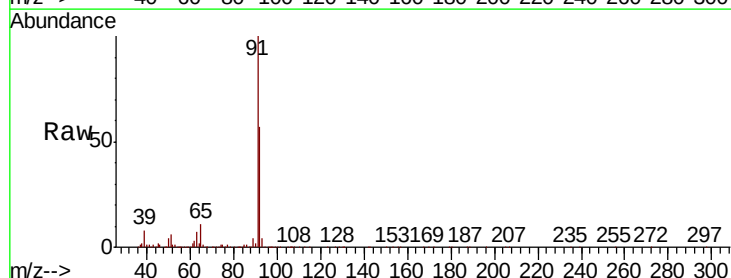
Acq: 18 Dec 2018 21:11

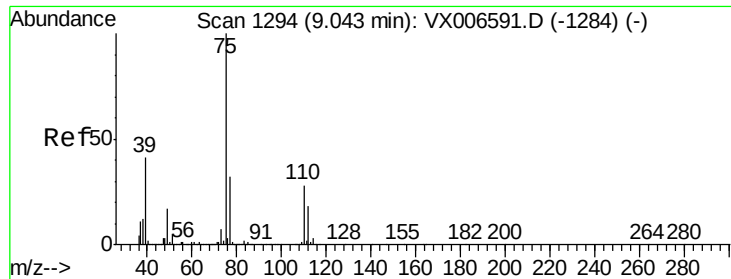
Tgt Ion: 92 Resp: 771098

Ion Ratio Lower Upper

92 100

91 173.4 139.2 208.8





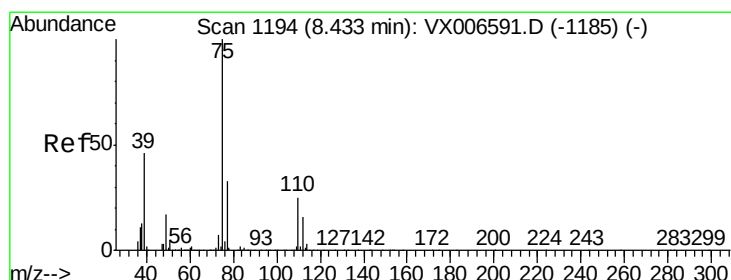
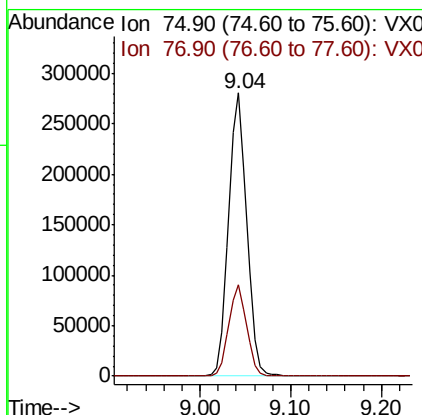
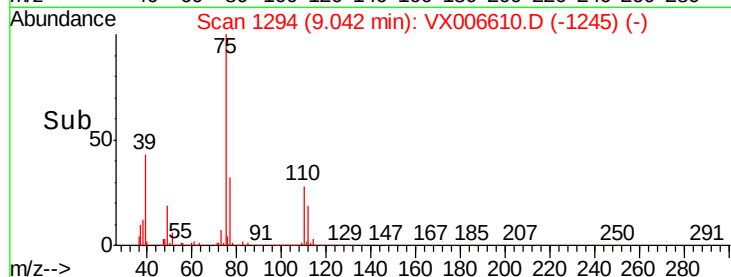
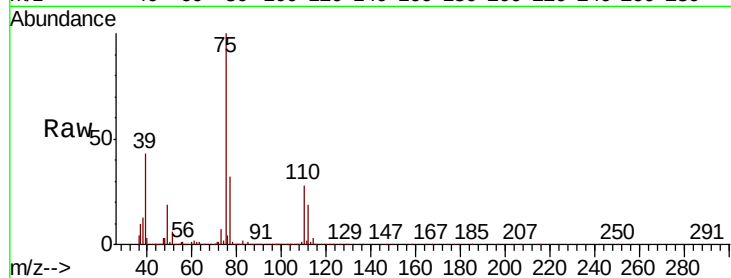
#53
t-1,3-Dichloropropene
Concen: 52.358 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.4

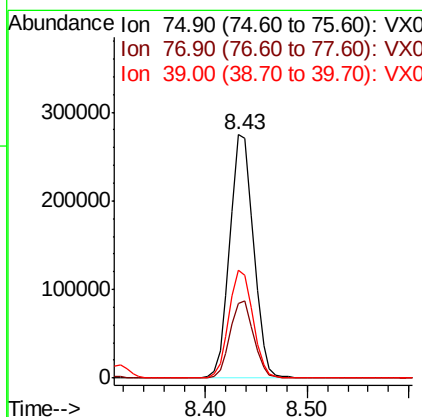
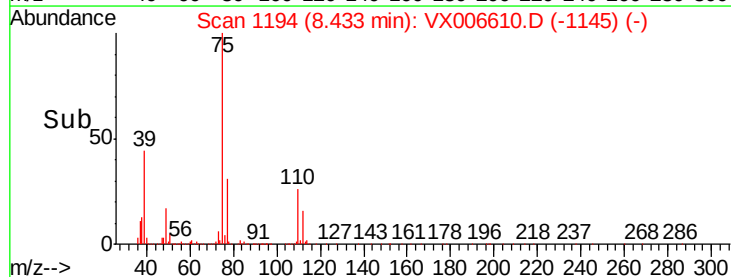
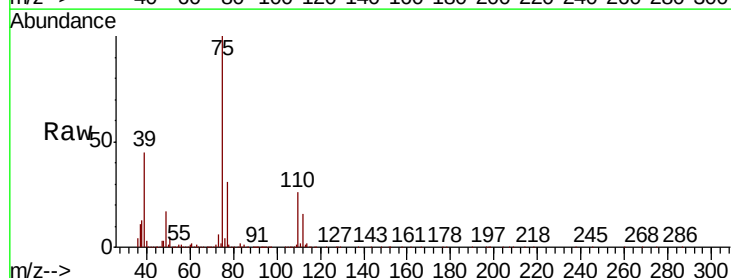
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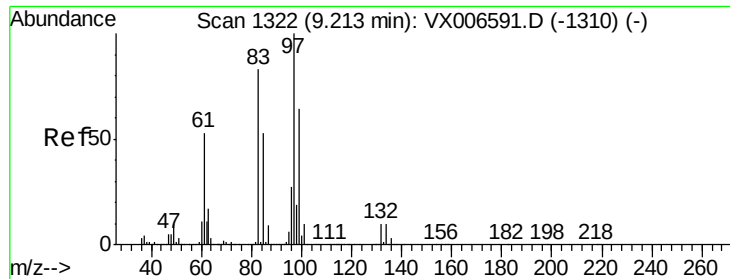
MMDadoda
12/19/2018 11:22:45 AM



#54
cis-1,3-Dichloropropene
Concen: 53.868 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4
39	44.4	36.5	54.7





#55

1,1,2-Trichloroethane

Concen: 50.858 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

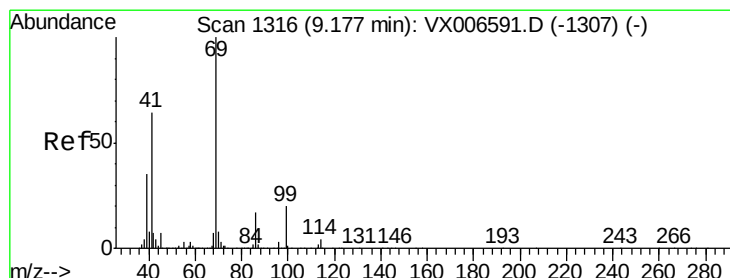
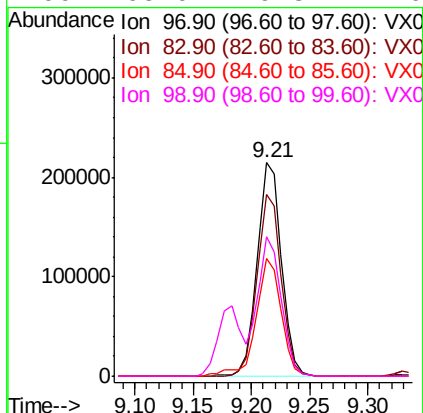
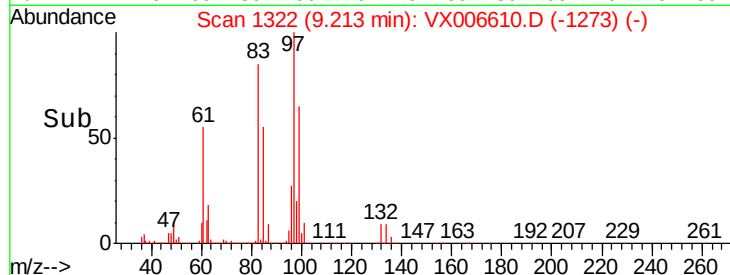
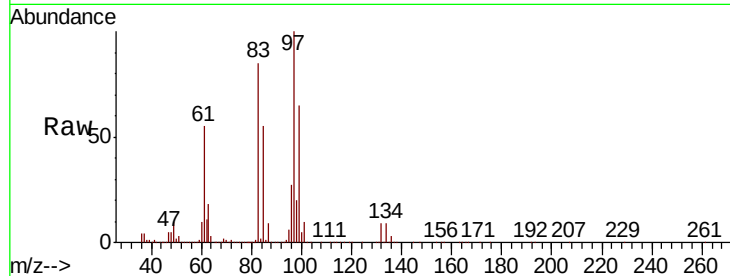
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	314676
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.1	100.7
85	55.2	43.2	64.8
99	65.0	49.8	74.6

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#56

Ethyl methacrylate

Concen: 53.714 ug/l

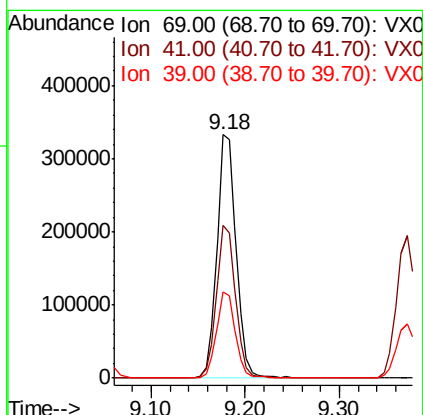
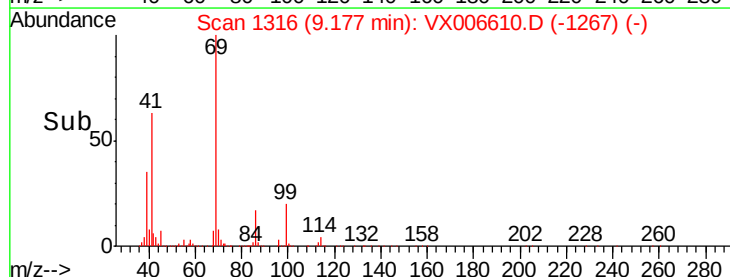
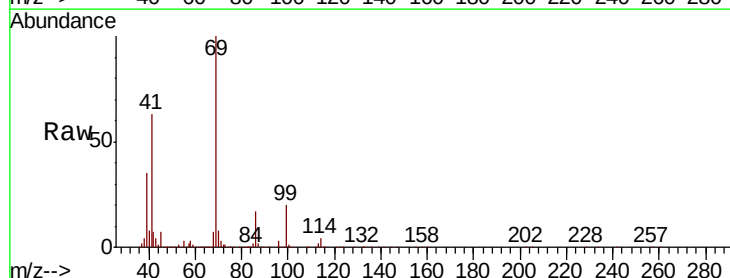
RT: 9.18 min Scan# 1316

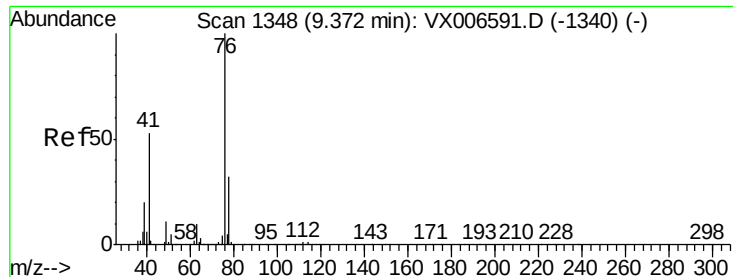
Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:	69	Resp:	469731
Ion	Ratio	Lower	Upper
69	100		
41	62.3	50.6	76.0
39	34.6	27.6	41.4





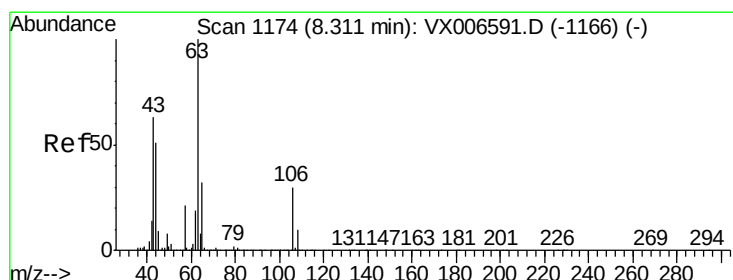
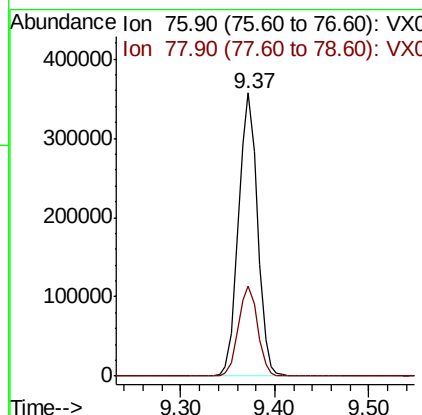
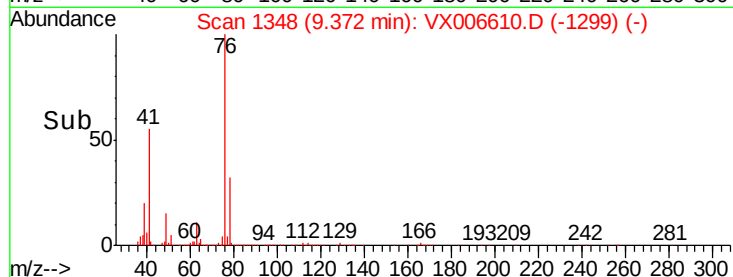
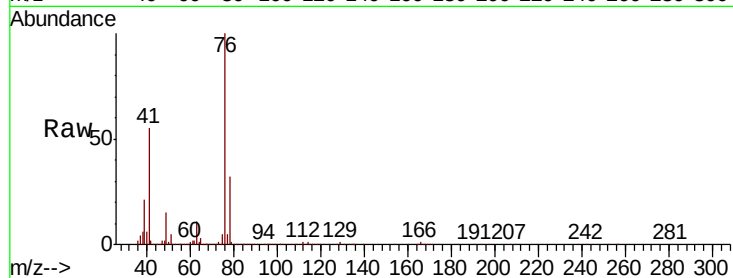
#57
 1,3-Dichloropropane
 Concen: 50.283 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

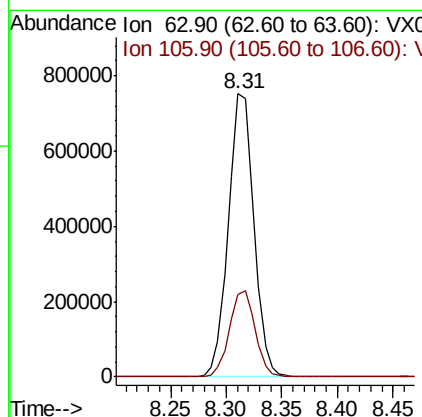
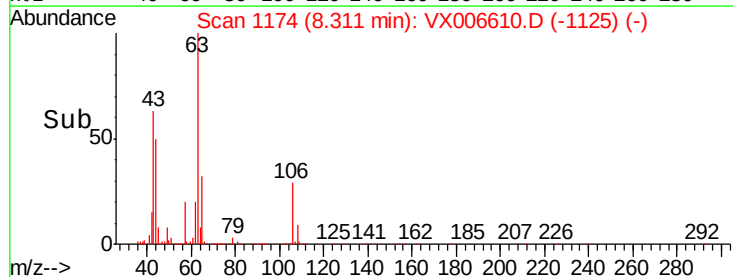
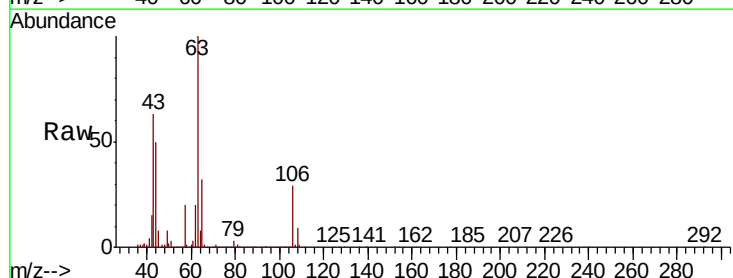
Manual Integrations
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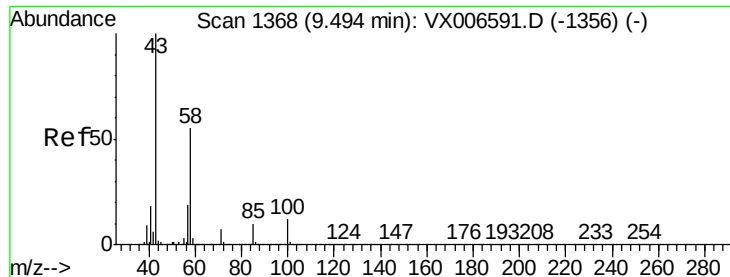
MMDadoda
 12/19/2018 11:22:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.525 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.9	37.3





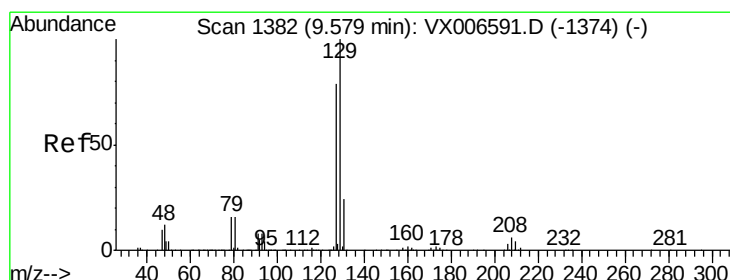
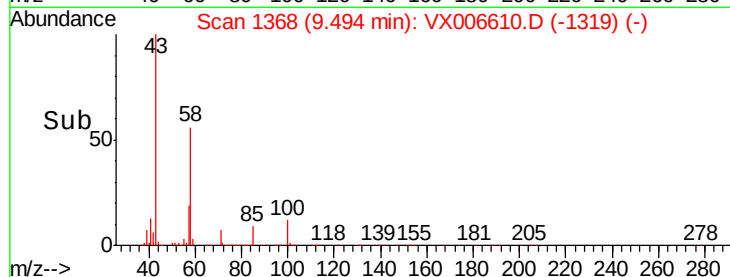
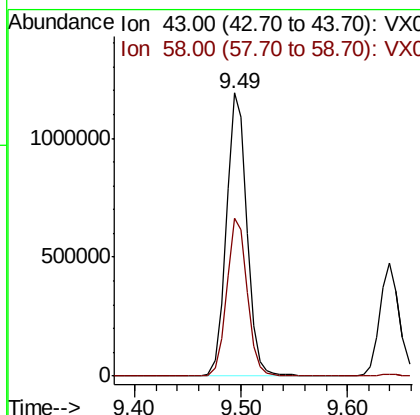
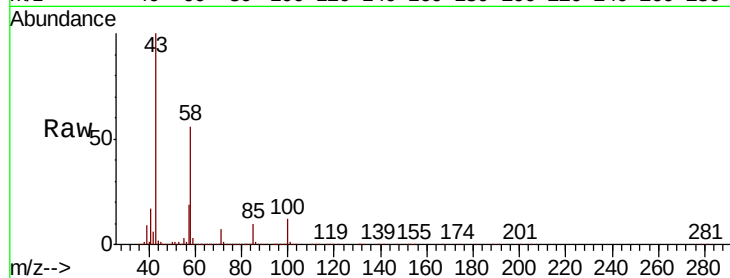
#59
2-Hexanone
Concen: 270.820 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1607204
Ion Ratio Lower Upper
43 100
58 56.0 27.7 83.1

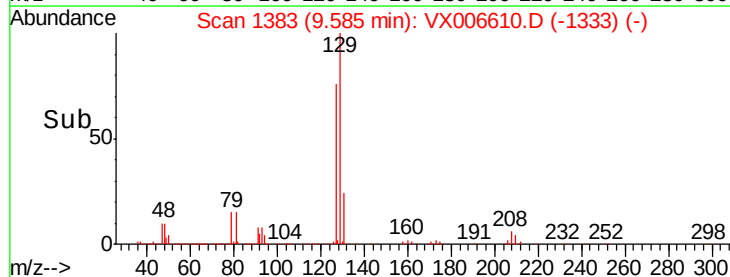
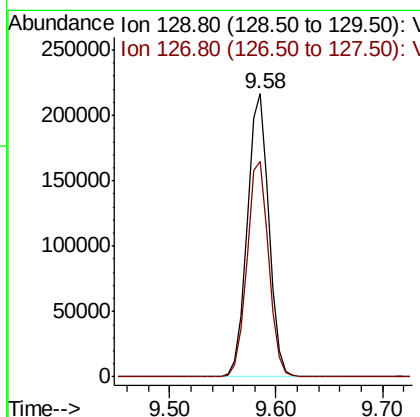
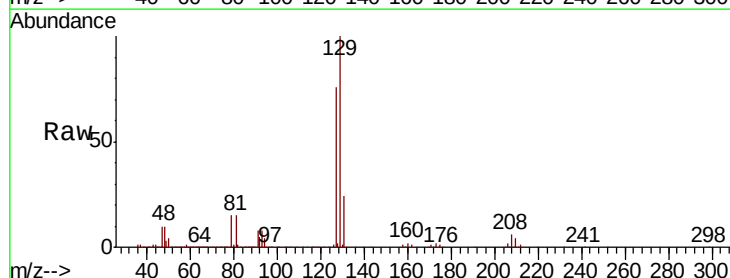
Manual Integrations
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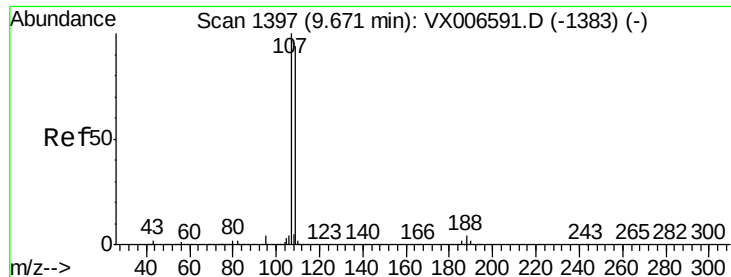
MMDadoda
12/19/2018 11:22:45 AM



#60
Dibromochloromethane
Concen: 47.794 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 129 Resp: 308595
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.371 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 344462

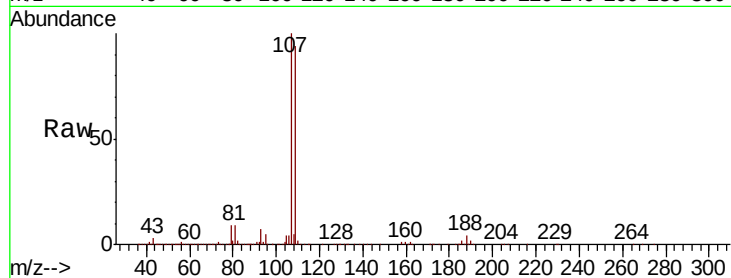
Ion Ratio Lower Upper

107 100

109 93.7 76.3 114.5

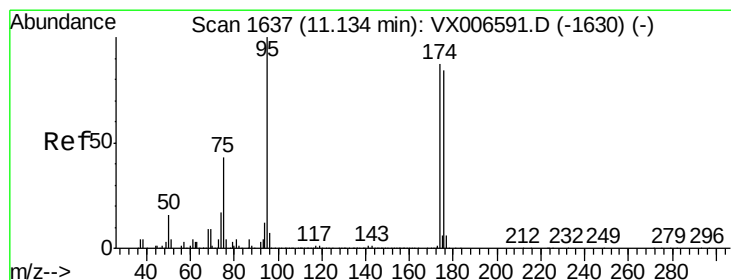
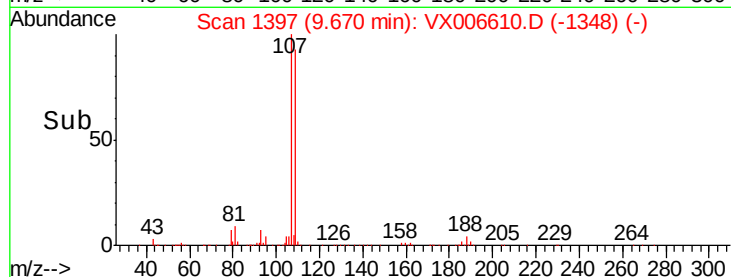
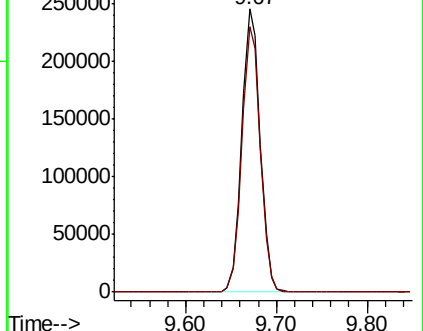
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.706 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

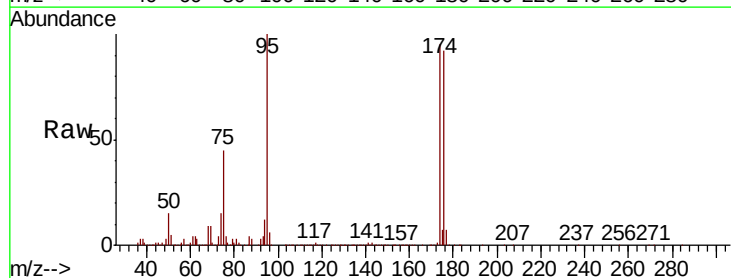
Tgt Ion: 95 Resp: 419603

Ion Ratio Lower Upper

95 100

174 90.3 0.0 187.0

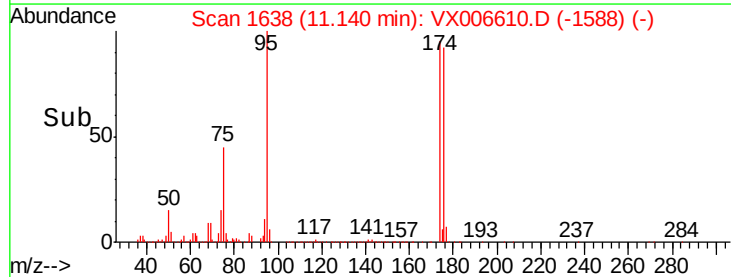
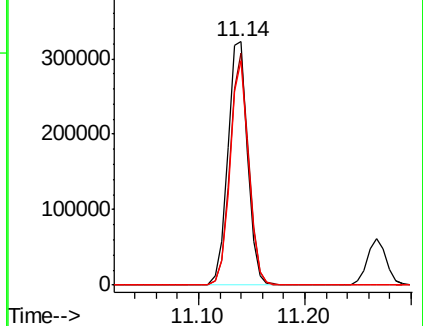
176 87.1 0.0 181.8

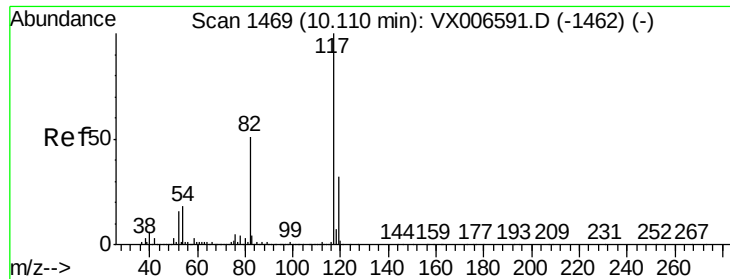


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





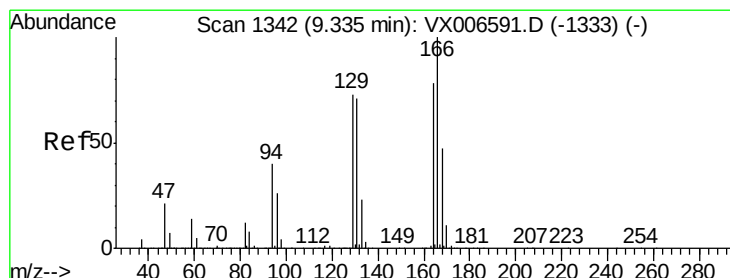
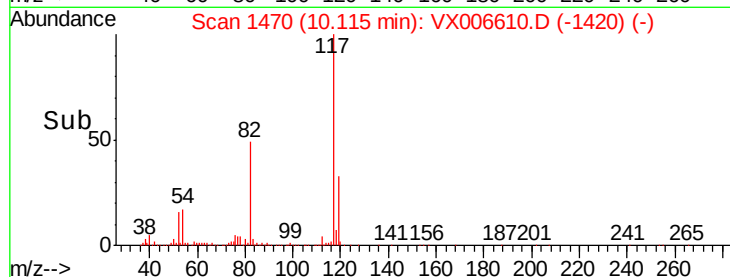
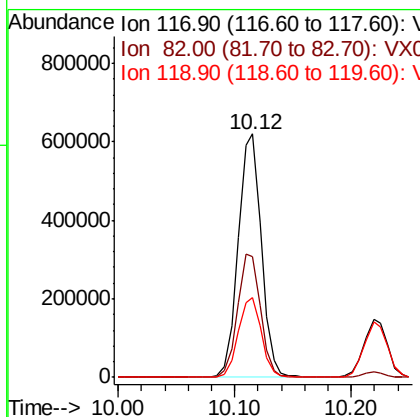
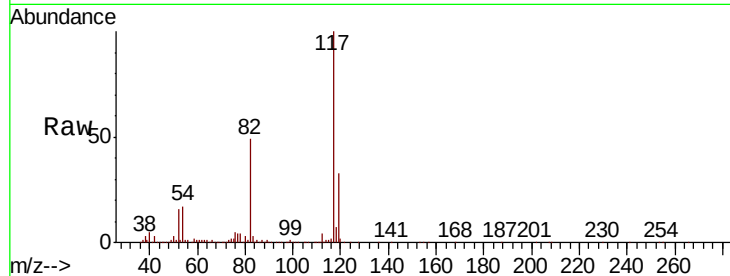
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	862829		
82	49.4		39.6	59.4
119	32.9		26.3	39.5

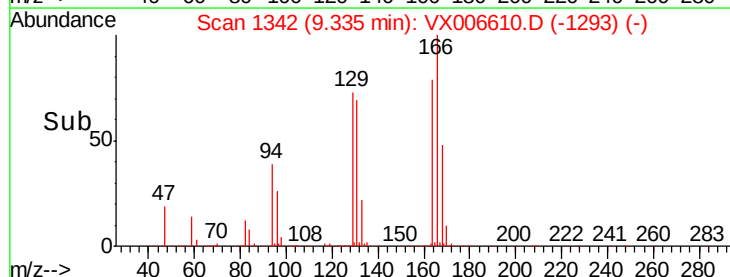
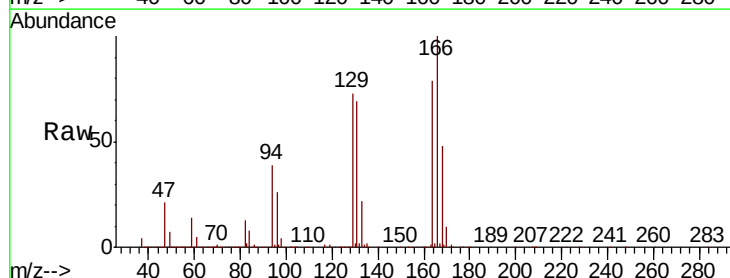
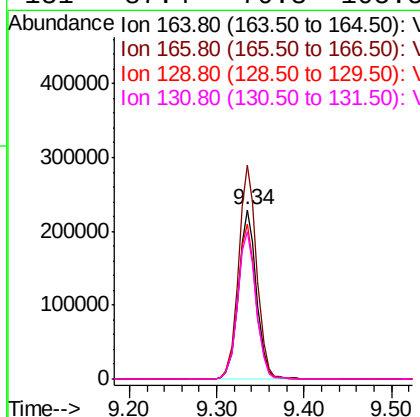
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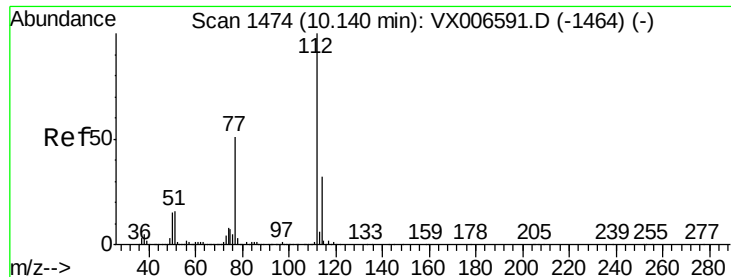
MMDadoda
12/19/2018 11:22:45 AM



#64
Tetrachloroethene
Concen: 48.095 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	328601		
166	126.4		104.2	156.2
129	91.7		72.6	108.8
131	87.4		70.3	105.5





#65

Chlorobenzene

Concen: 49.462 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 902883

Ion Ratio Lower Upper

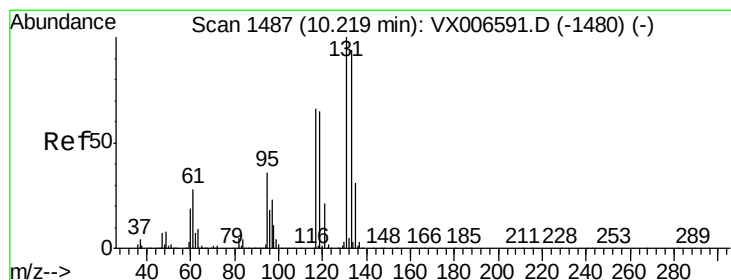
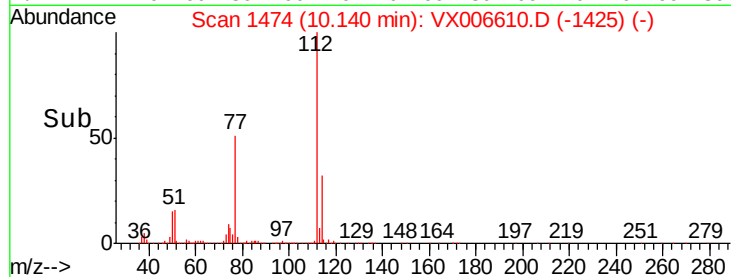
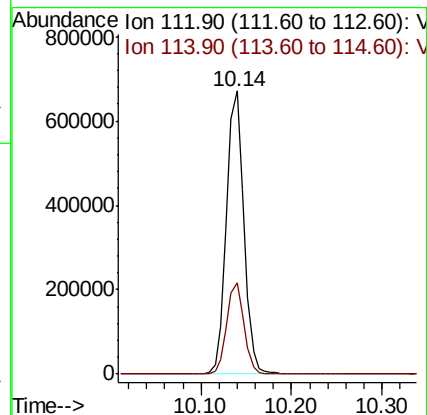
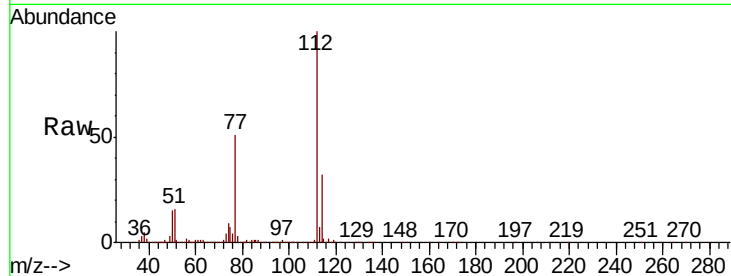
112 100

114 32.4 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.427 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

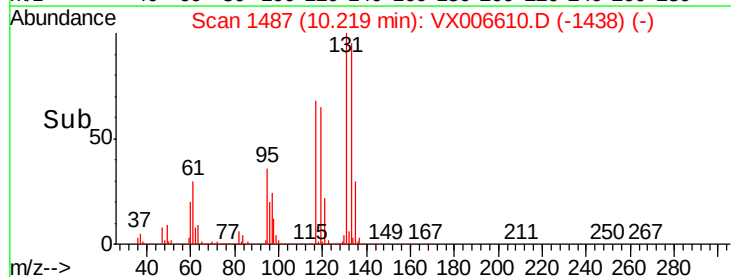
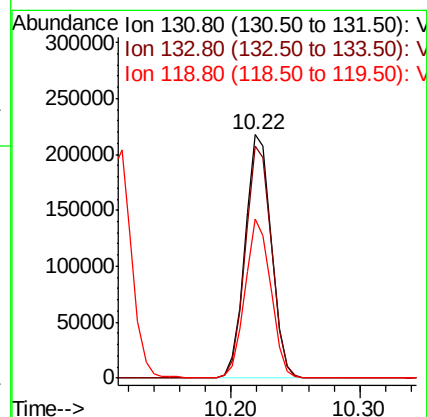
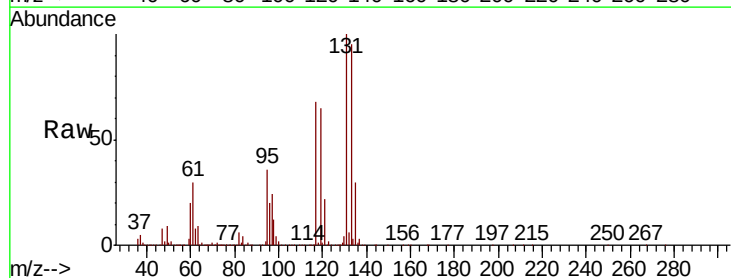
Tgt Ion:131 Resp: 304277

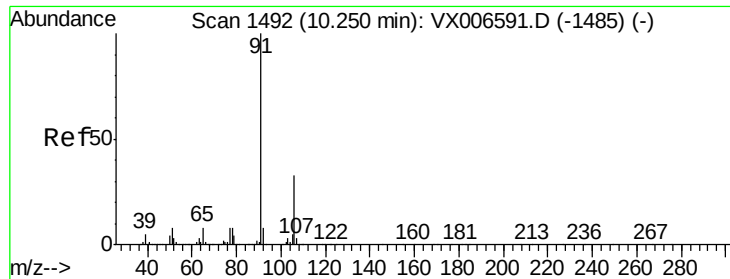
Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.4

119 64.2 32.1 96.3





#67

Ethyl Benzene

Concen: 50.172 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1496545

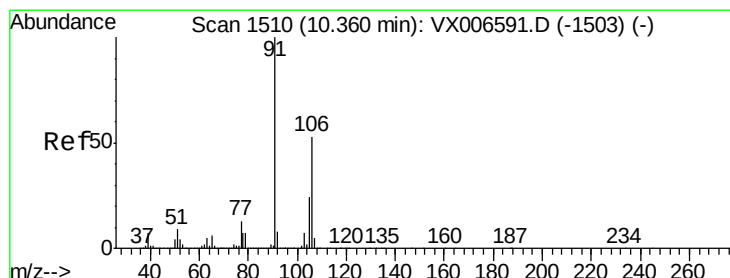
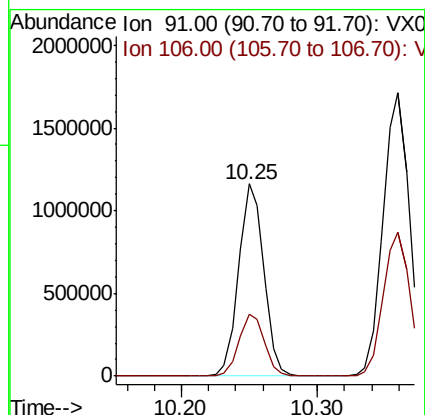
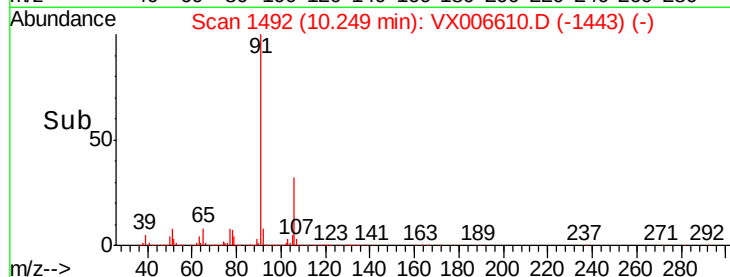
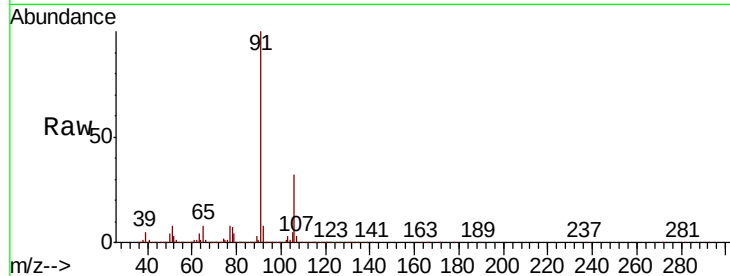
Ion Ratio Lower Upper

91 100

106 32.2 26.5 39.7

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#68

m/p-Xylenes

Concen: 101.212 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006610.D

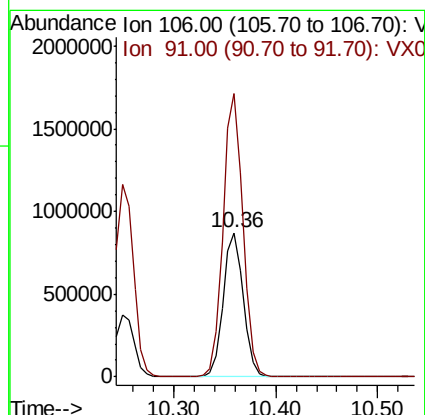
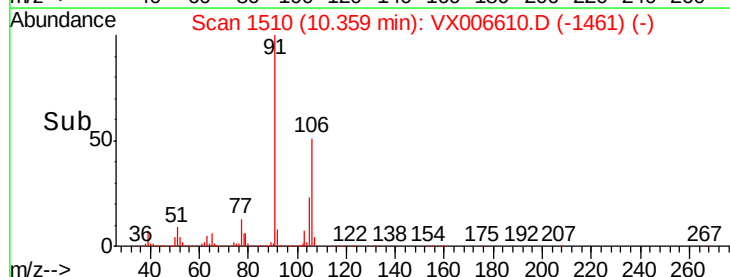
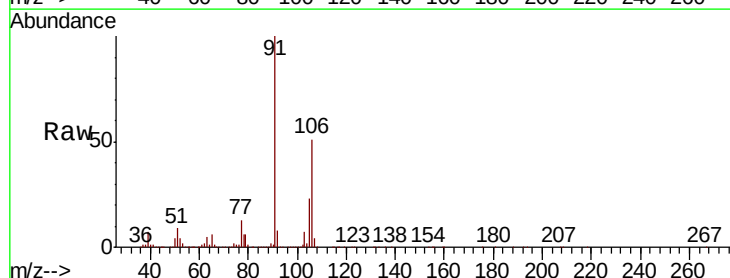
Acq: 18 Dec 2018 21:11

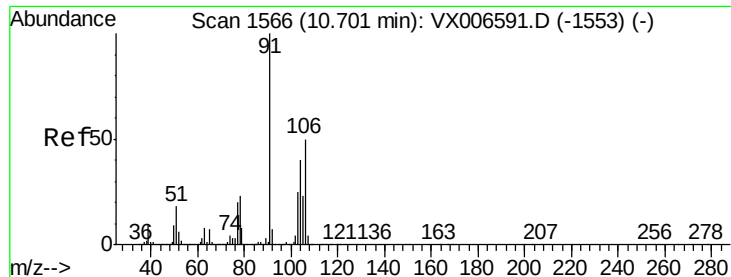
Tgt Ion: 106 Resp: 1191277

Ion Ratio Lower Upper

106 100

91 195.3 155.2 232.8





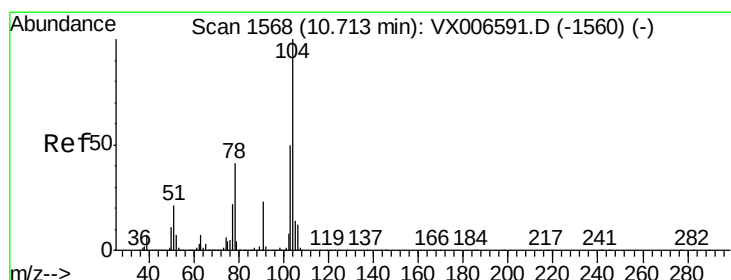
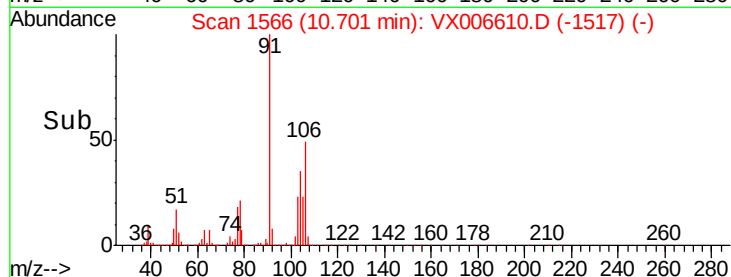
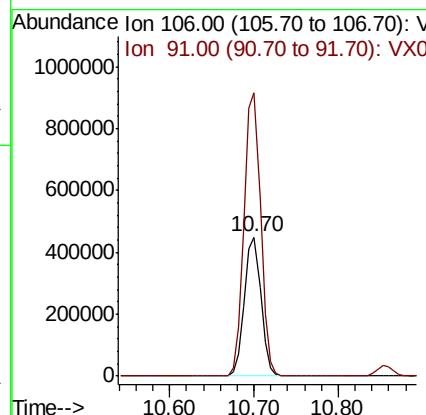
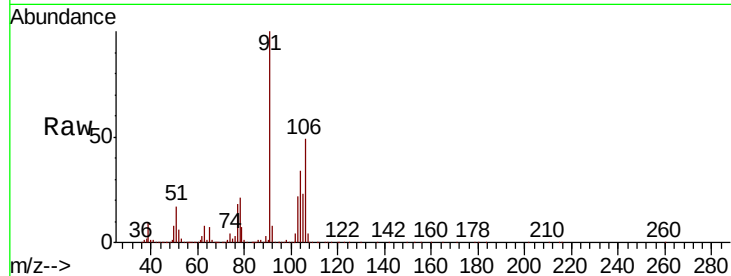
#69
o-Xylene
Concen: 50.775 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.2	101.8	305.6	

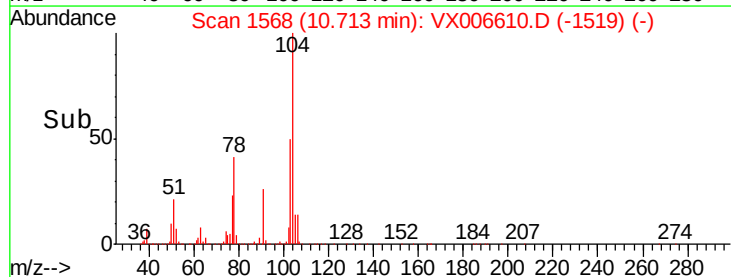
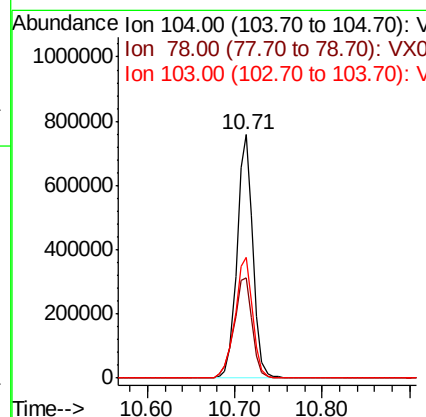
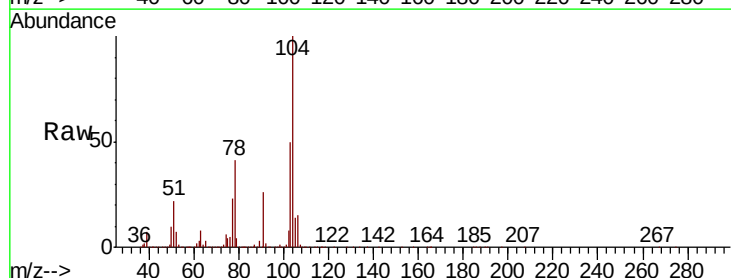
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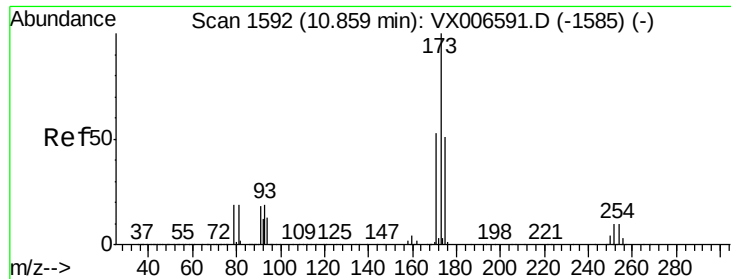
MMDadoda
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#70
Styrene
Concen: 52.341 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	37.2	55.8	
103	55.4	43.5	65.3	





#71

Bromoform

Concen: 45.161 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

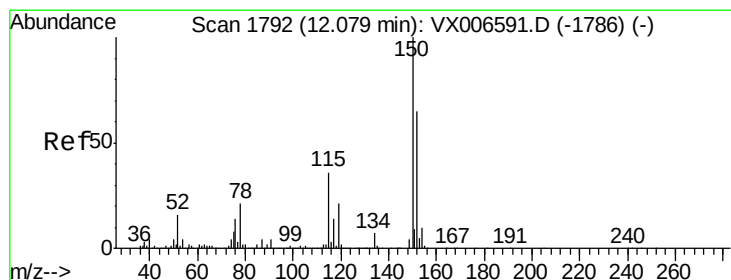
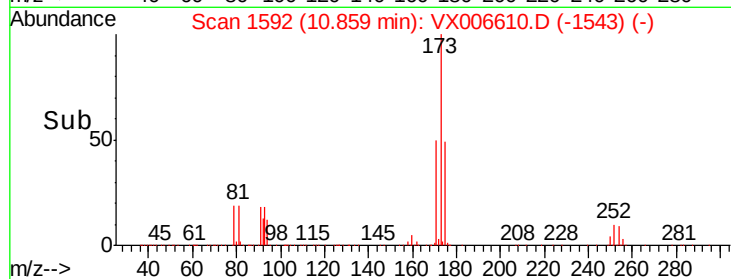
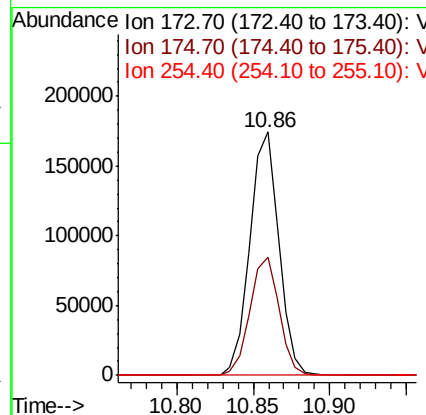
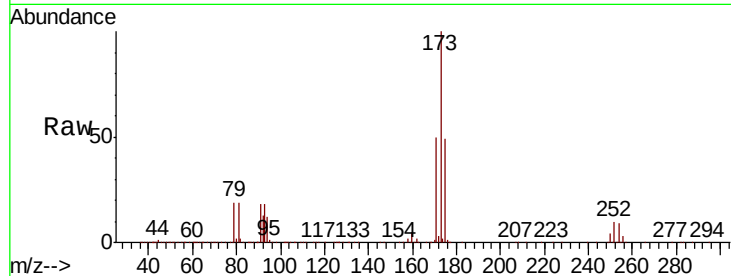
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	229560
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.6	73.8
254	0.2	0.2	0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

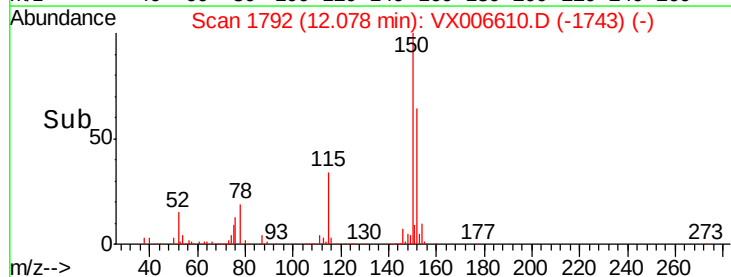
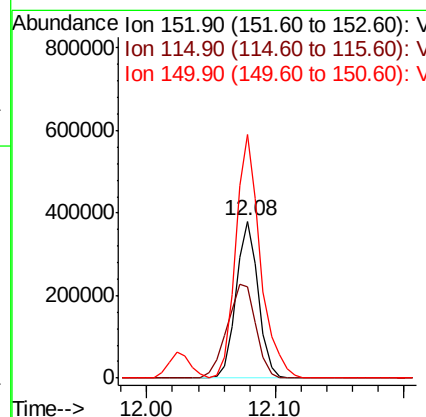
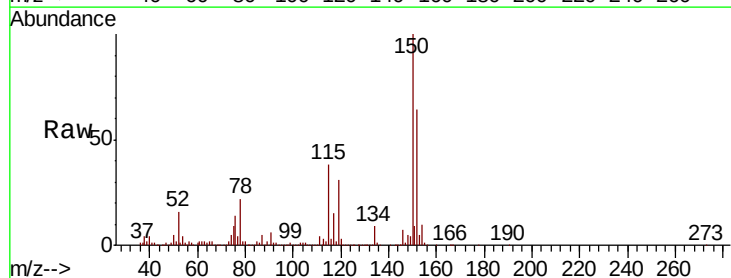
RT: 12.08 min Scan# 1792

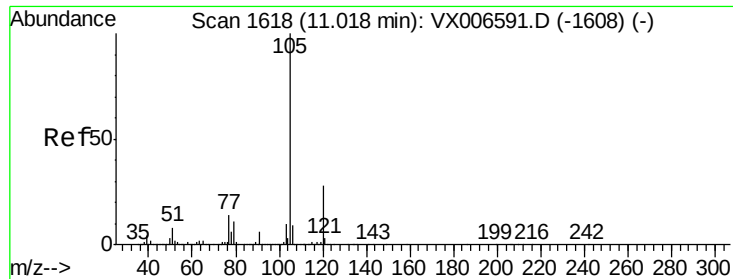
Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:	152	Resp:	455691
Ion Ratio	Lower	Upper	
152	100		
115	78.9	39.0	116.9
150	172.9	0.0	345.8





#73

Isopropylbenzene

Concen: 49.906 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1555807

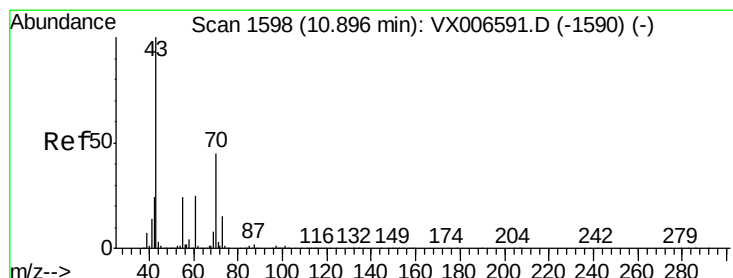
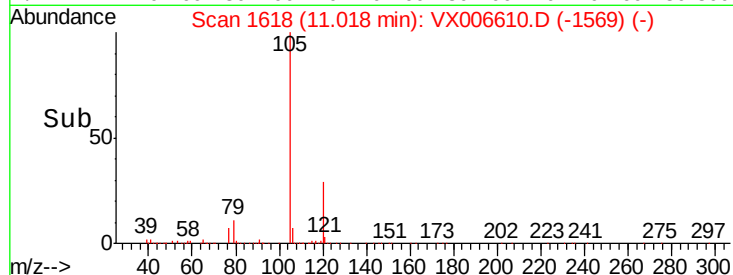
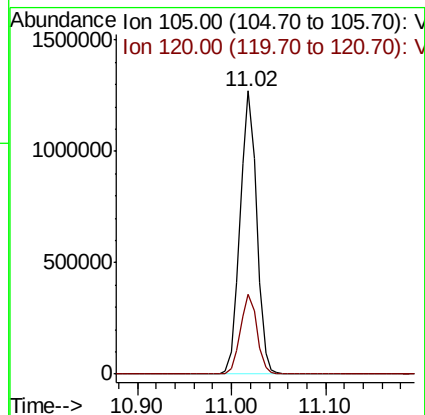
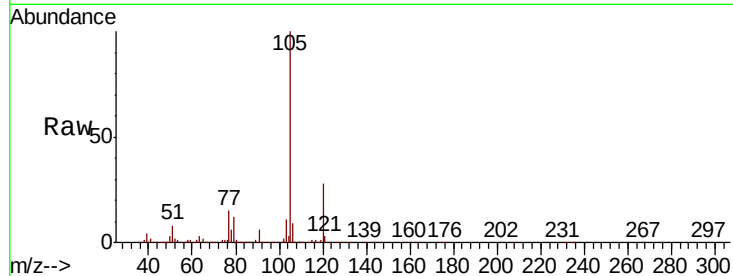
Ion Ratio Lower Upper

105 100

120 28.3 14.1 42.3

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#74

N-ethyl acetate

Concen: 52.881 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion: 43 Resp: 590080

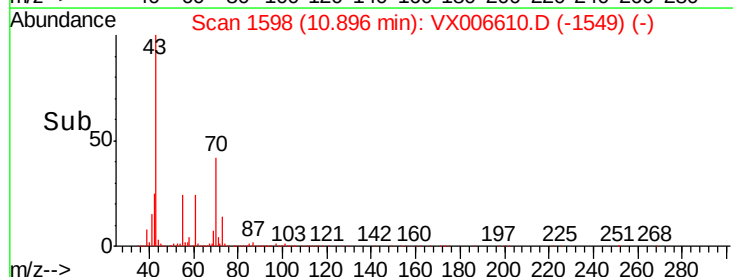
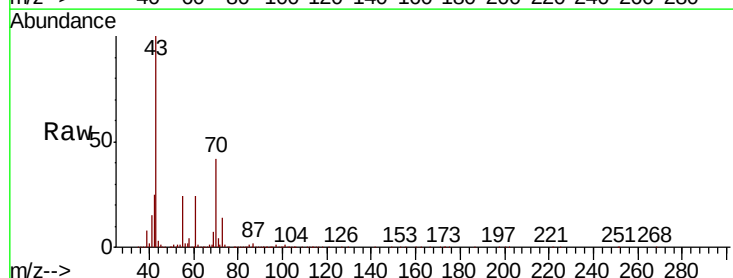
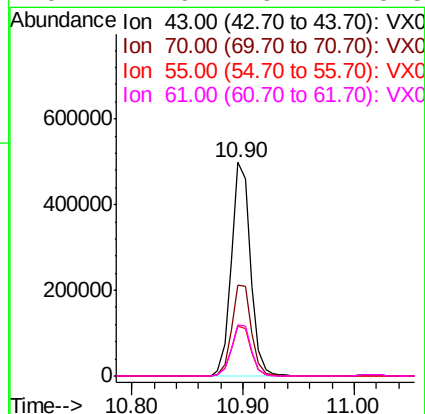
Ion Ratio Lower Upper

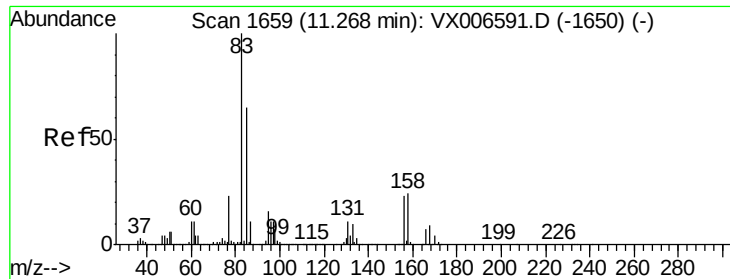
43 100

70 43.7 34.1 51.1

55 24.1 17.8 26.8

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.910 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 481277
Ion Ratio Lower Upper

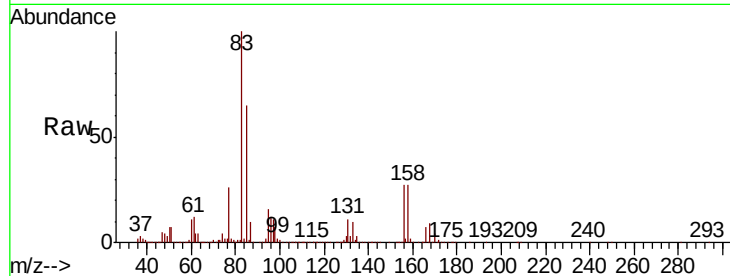
83 100

131 11.1 5.7 17.1

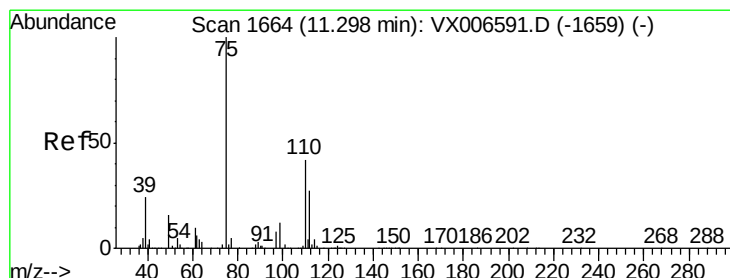
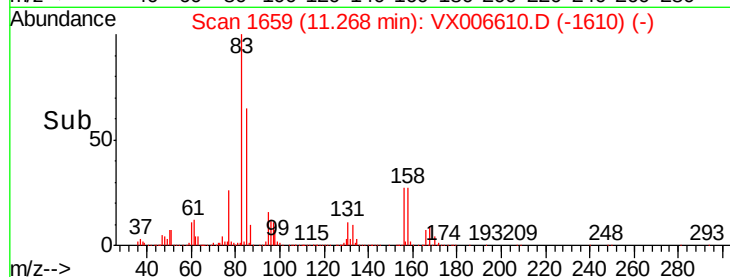
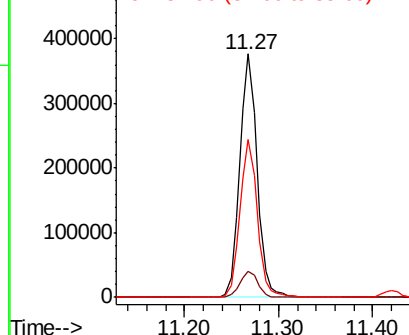
85 64.9 32.1 96.5

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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: 55.656 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

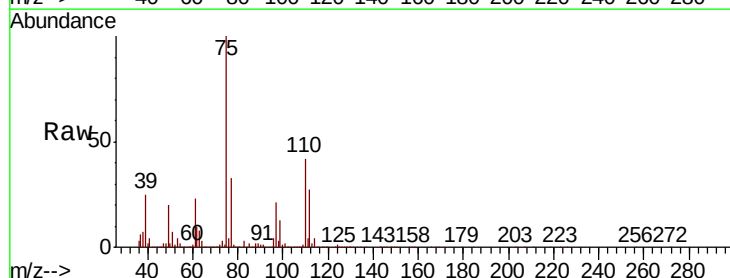
Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

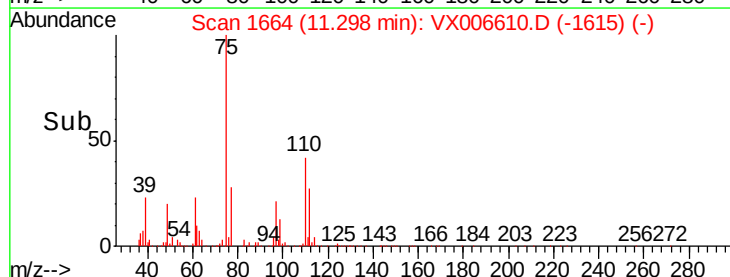
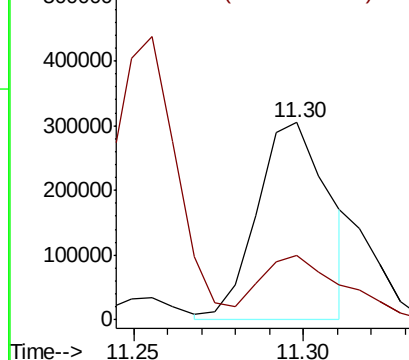
Tgt Ion: 75 Resp: 444512
Ion Ratio Lower Upper

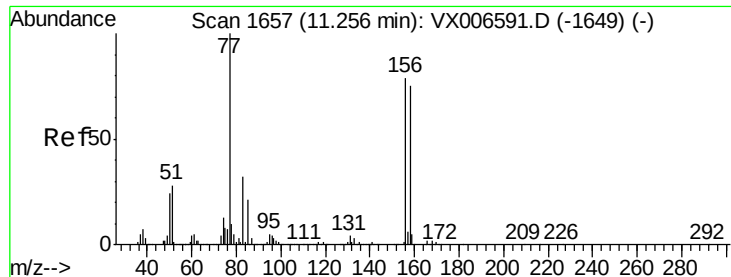
75 100

77 38.0 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.418 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

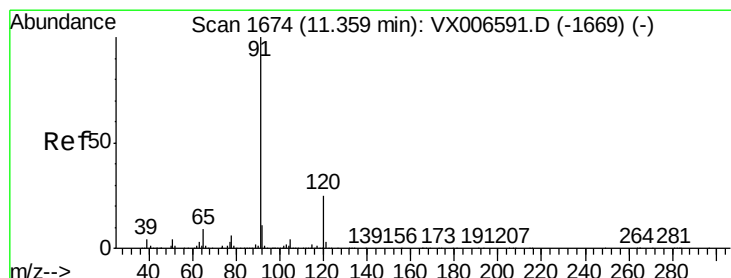
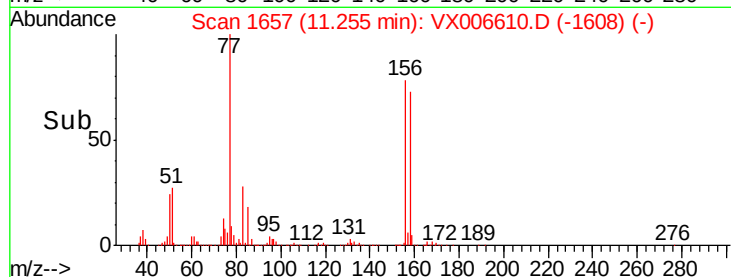
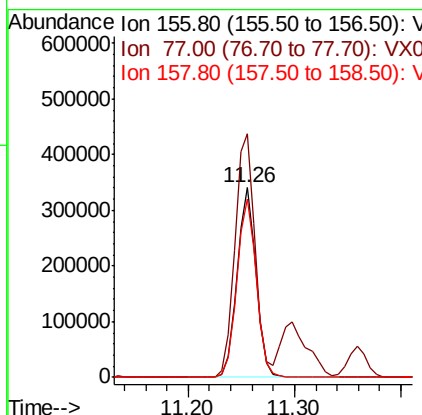
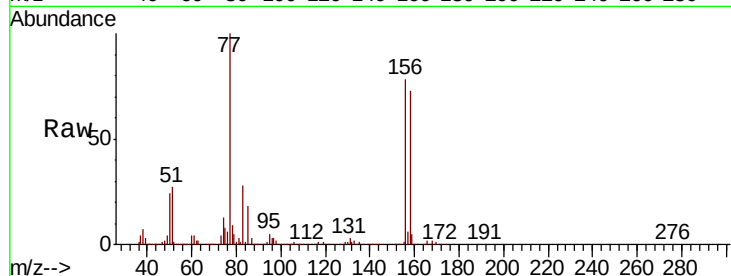
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	424932
Ion Ratio	Lower	Upper	
156	100		
77	136.2	66.2	198.6
158	96.5	48.8	146.4

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#78

n-propylbenzene

Concen: 50.509 ug/l

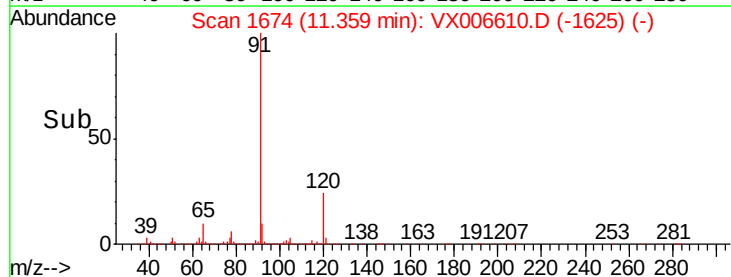
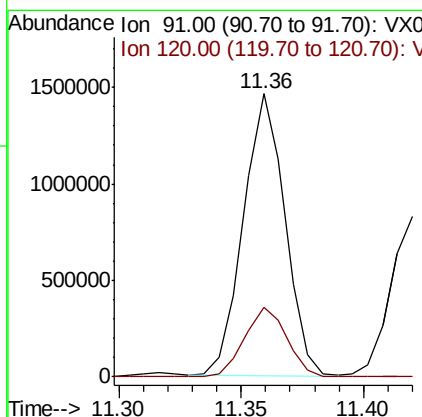
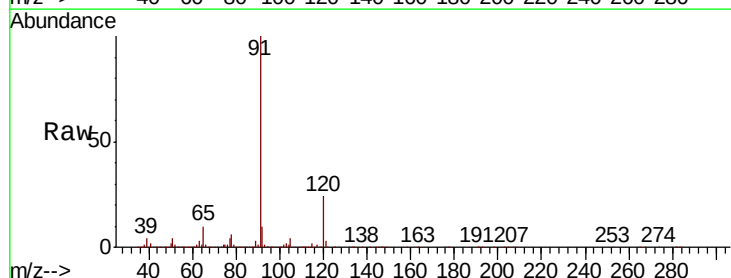
RT: 11.36 min Scan# 1674

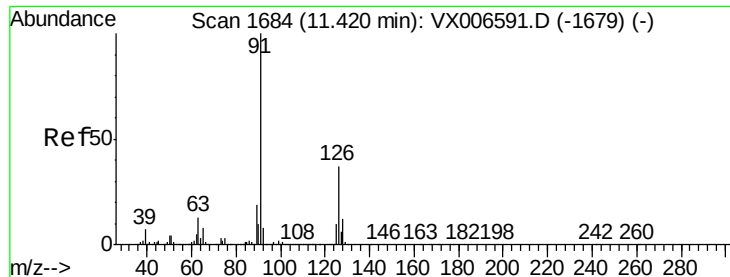
Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:	91	Resp:	1733956
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.7	38.0





#79

2-Chlorotoluene

Concen: 49.657 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1033064

Ion Ratio Lower Upper

91 100

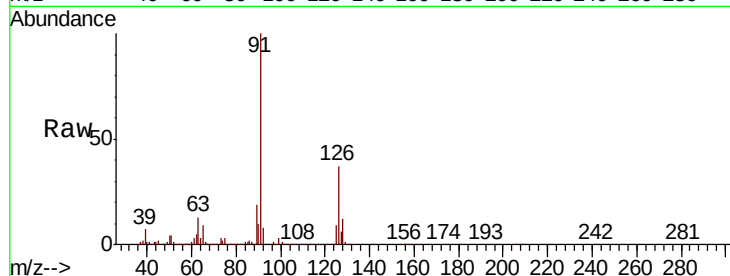
126 37.2 18.6 56.0

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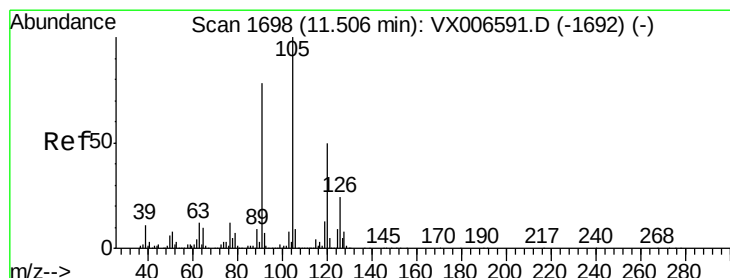
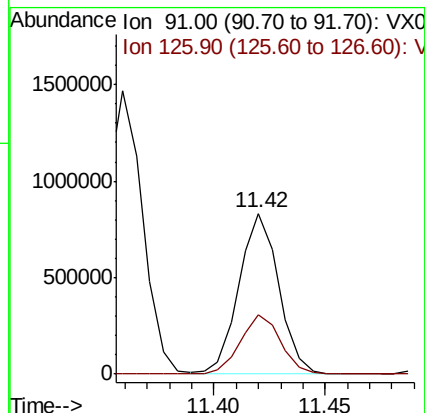
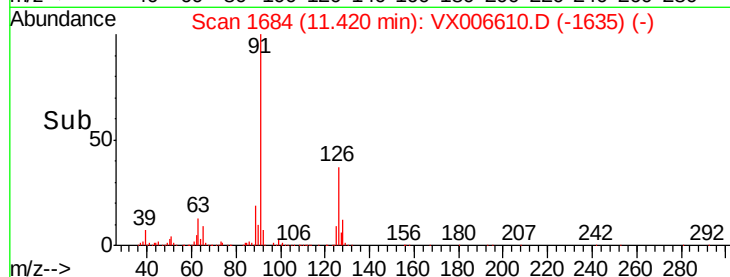
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Abundance Ion 91.00 (90.70 to 91.70): VX006610.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX006610.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.343 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006610.D

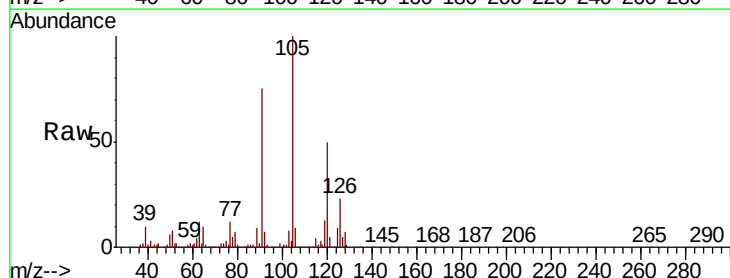
Acq: 18 Dec 2018 21:11

Tgt Ion:105 Resp: 1292673

Ion Ratio Lower Upper

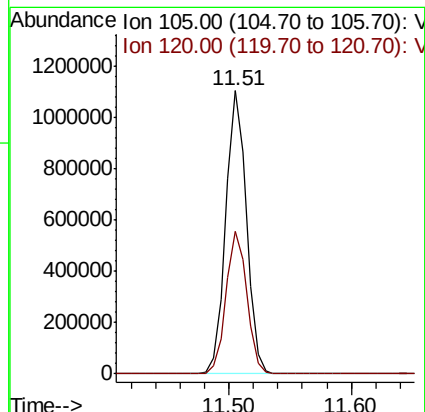
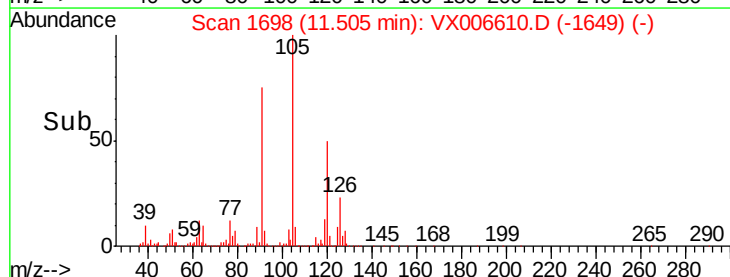
105 100

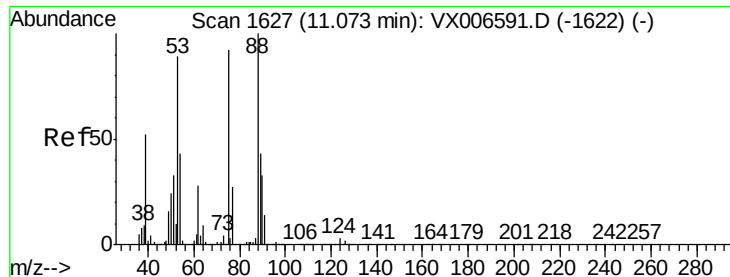
120 50.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006610.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX006610.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.283 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 121756

Ion Ratio Lower Upper

75 100

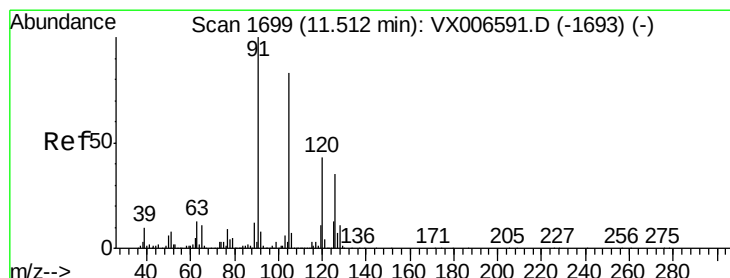
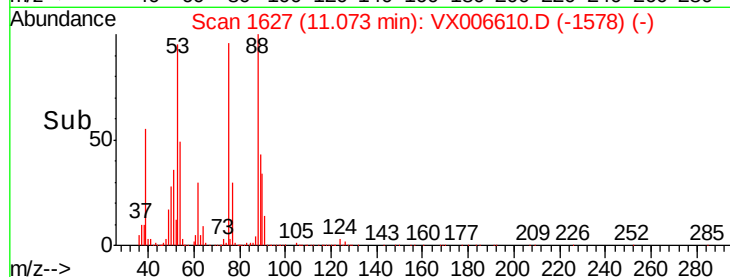
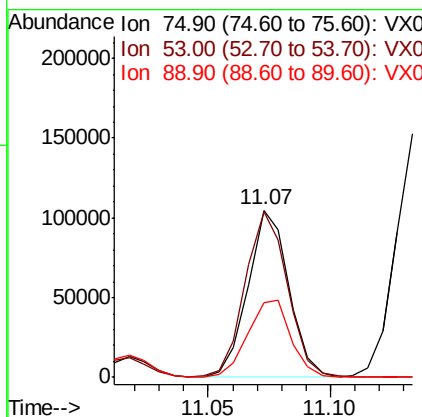
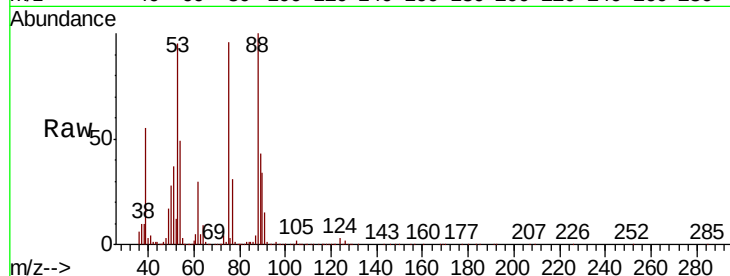
53 103.0 64.4 96.6#

89 49.1 44.2 66.4

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#82

4-Chlorotoluene

Concen: 49.926 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006610.D

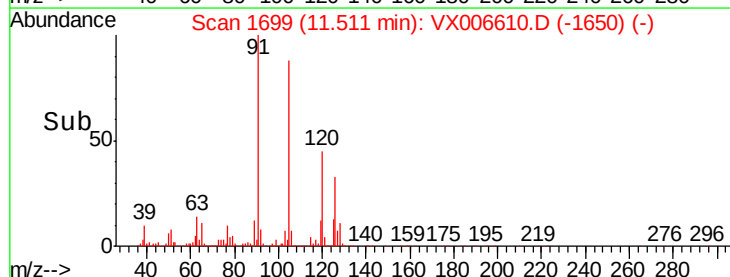
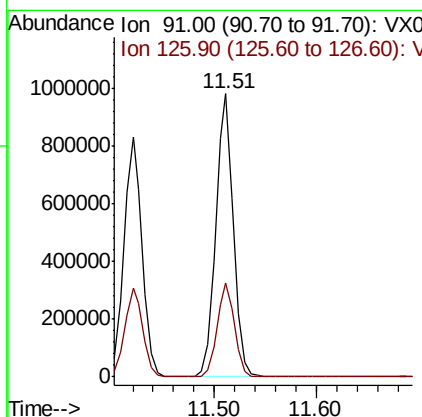
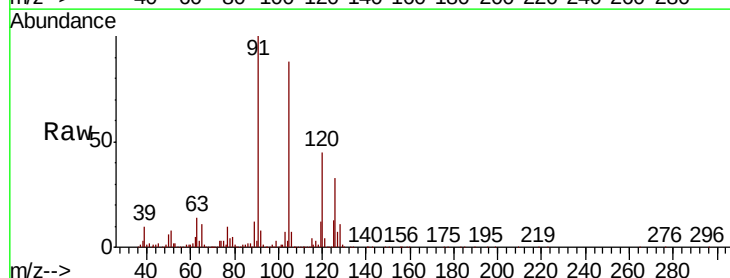
Acq: 18 Dec 2018 21:11

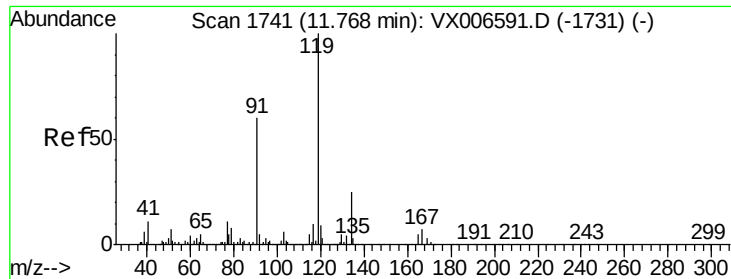
Tgt Ion: 91 Resp: 1191414

Ion Ratio Lower Upper

91 100

126 33.0 16.4 49.4





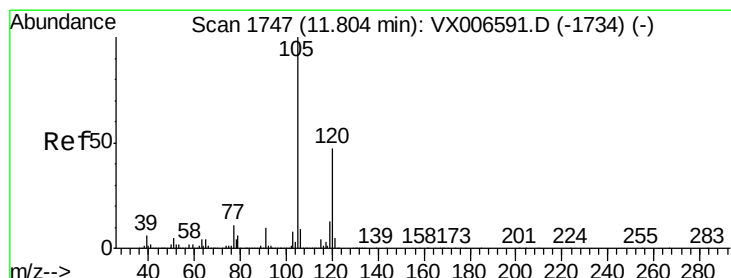
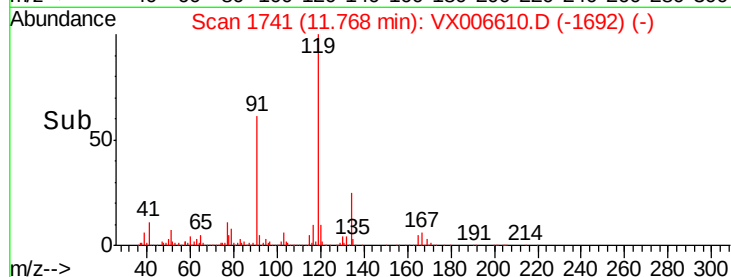
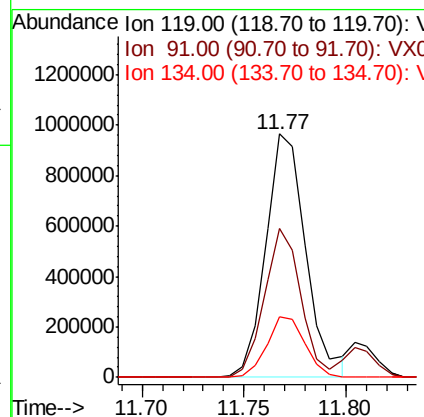
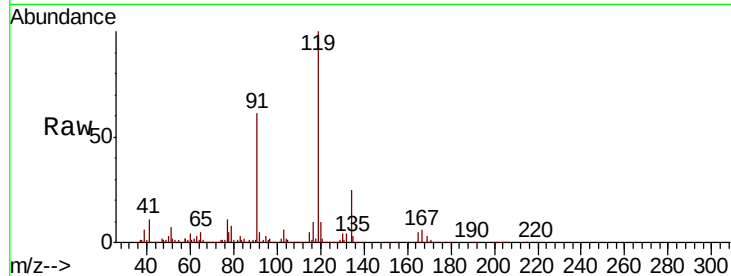
#83
 tert-Butylbenzene
 Concen: 51.435 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	26.4	79.2
134	23.8	11.6	34.7

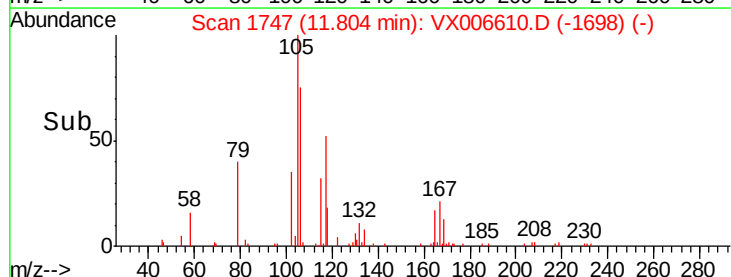
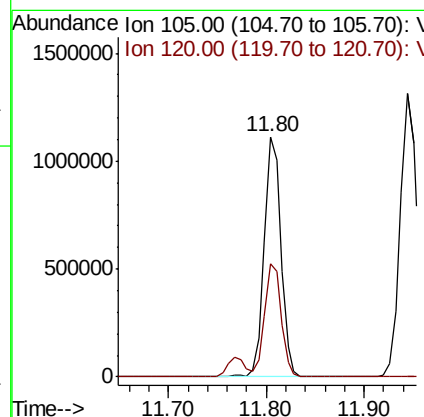
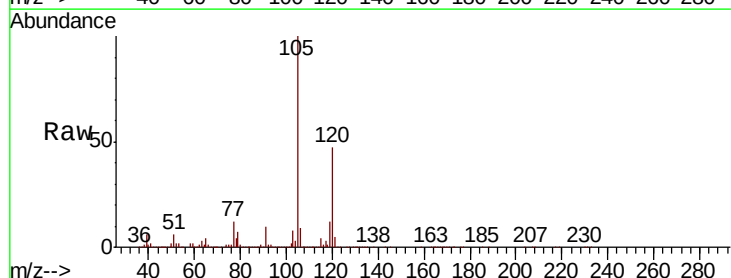
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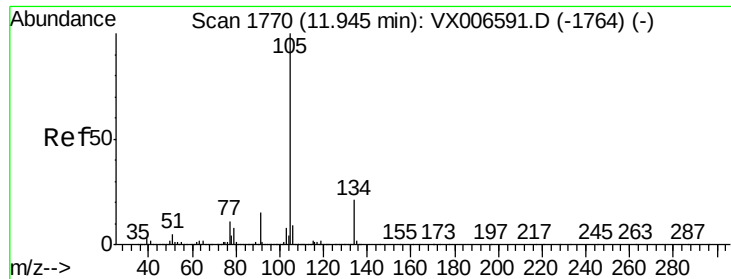
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.270 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.0





#85

sec-Butylbenzene

Concen: 50.202 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1581787

Ion Ratio Lower Upper

105 100

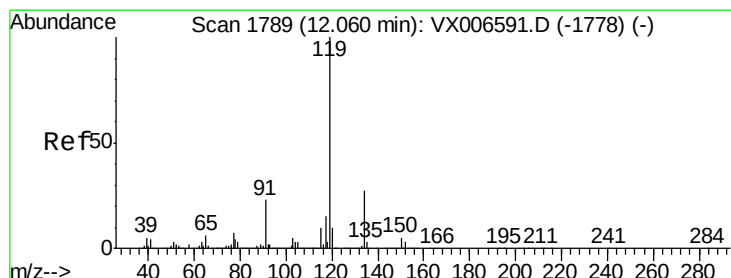
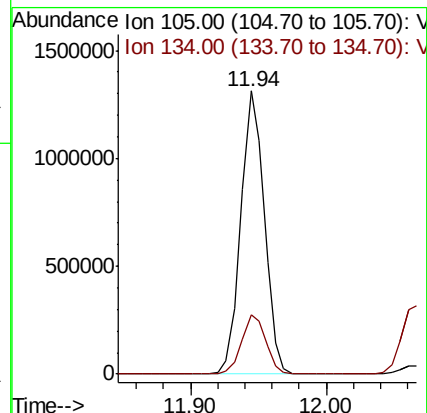
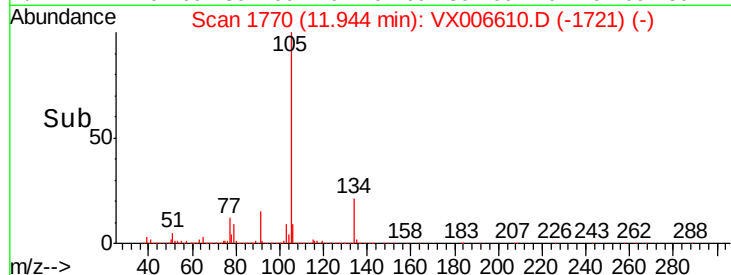
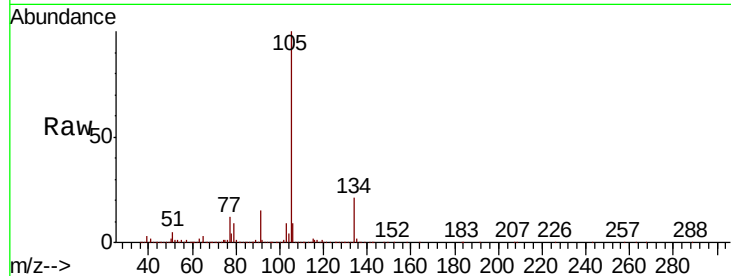
134 21.2 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 51.364 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

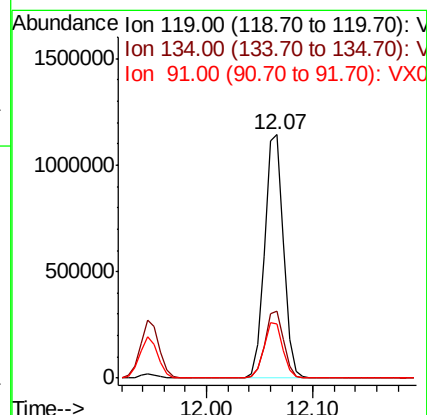
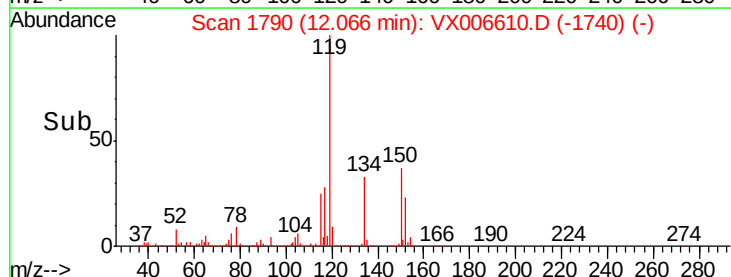
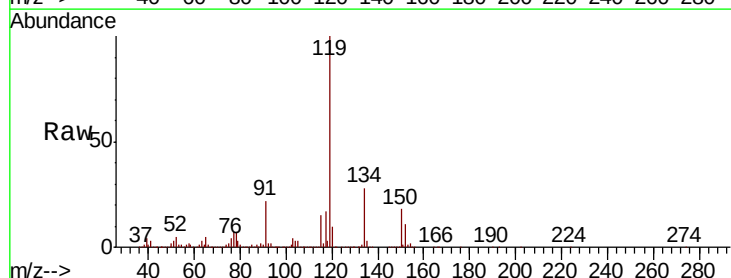
Tgt Ion:119 Resp: 1422654

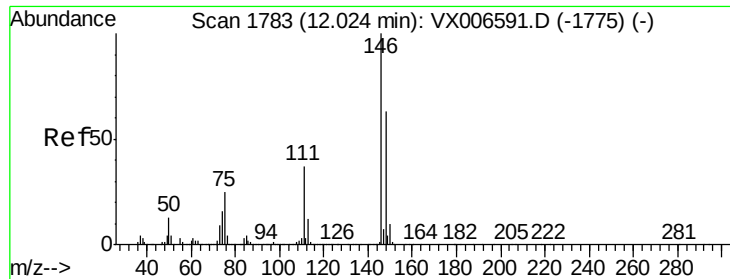
Ion Ratio Lower Upper

119 100

134 27.4 13.9 41.6

91 22.7 11.3 33.8





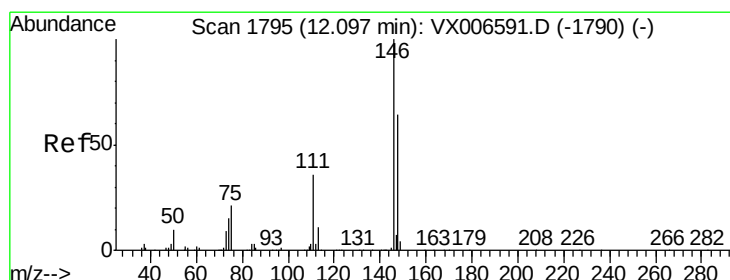
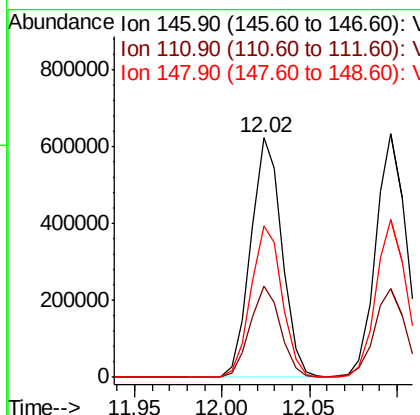
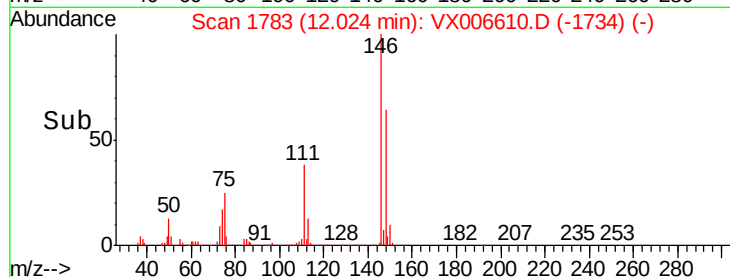
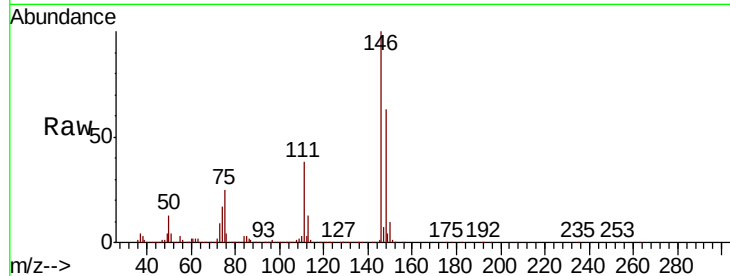
#87
 1,3-Dichlorobenzene
 Concen: 50.539 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.2
148	63.5	32.0	96.0

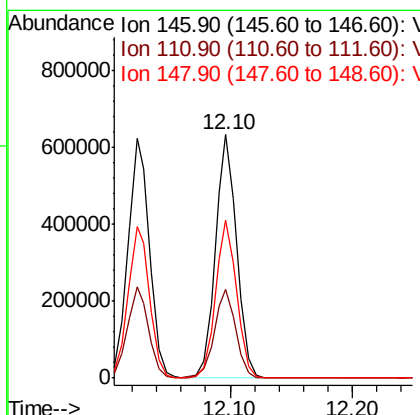
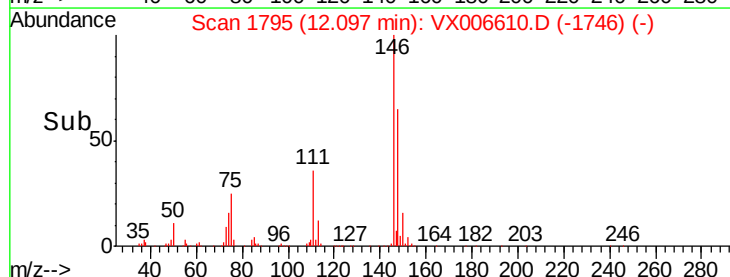
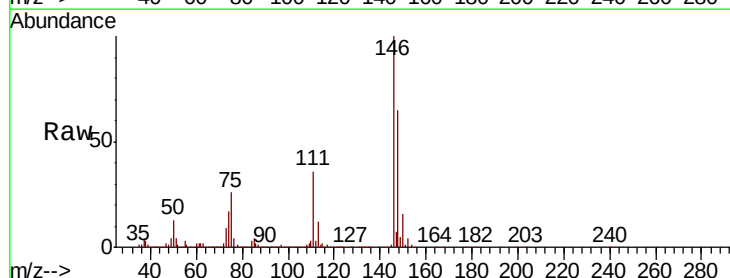
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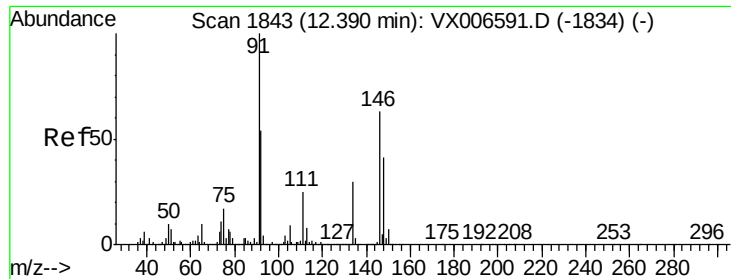
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#88
 1,4-Dichlorobenzene
 Concen: 49.038 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006610.D
 Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.8
148	64.5	31.9	95.9





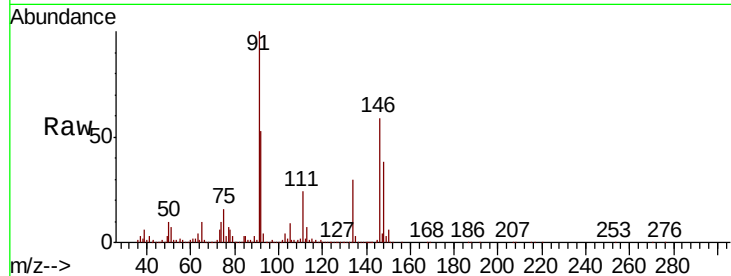
#89
n-Butylbenzene
Concen: 50.794 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

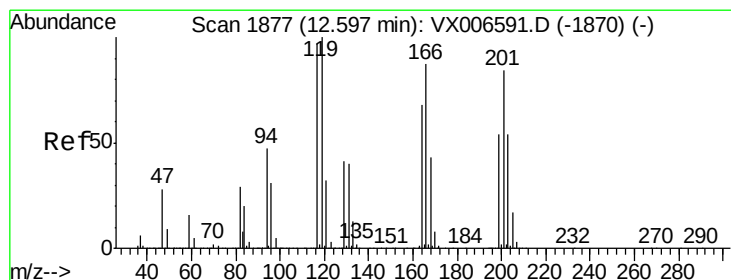
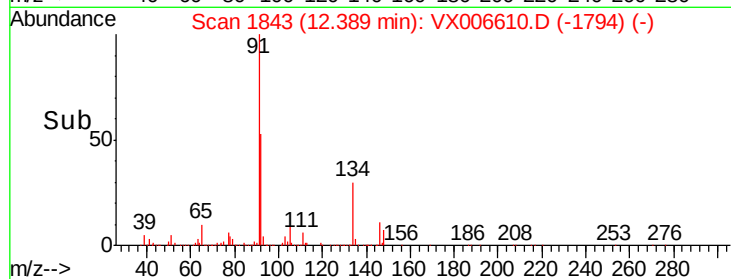
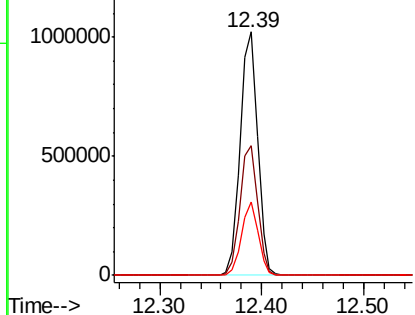
Tot Ion: 91 Resp: 1197300
Ion Ratio Lower Upper
91 100
92 53.6 26.6 79.8
134 28.8 14.8 44.3

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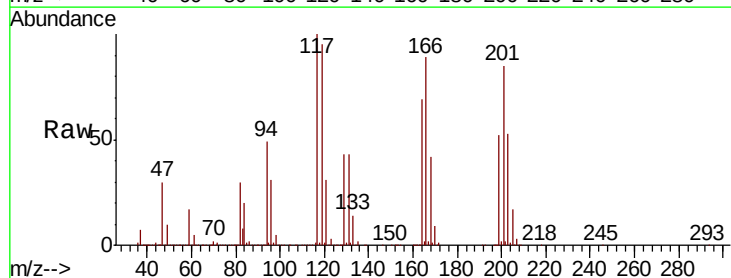


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

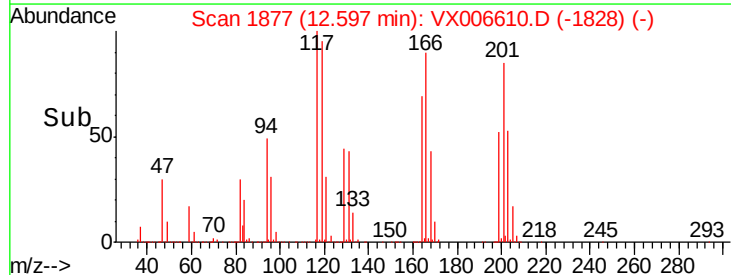
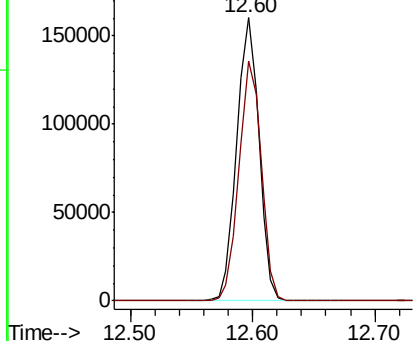


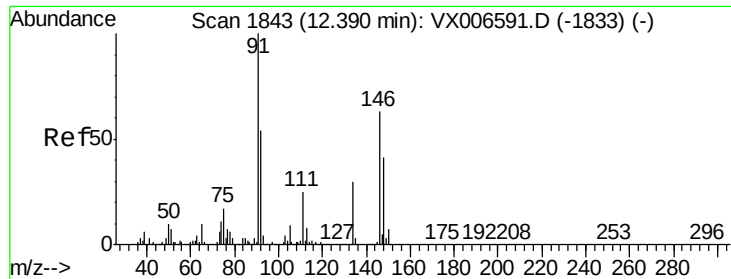
#90
Hexachloroethane
Concen: 46.584 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion: 117 Resp: 200889
Ion Ratio Lower Upper
117 100
201 85.5 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.434 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

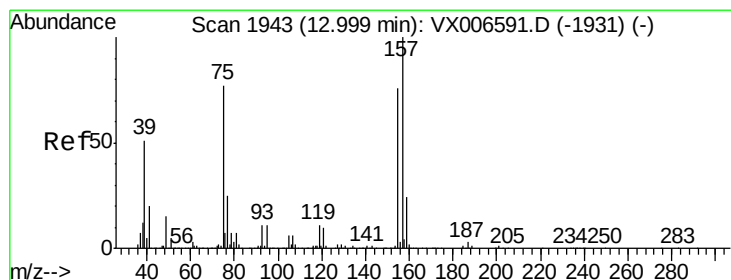
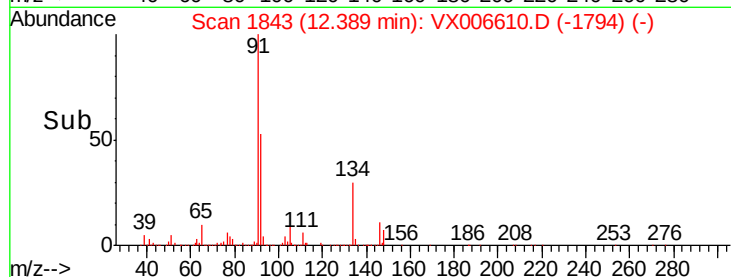
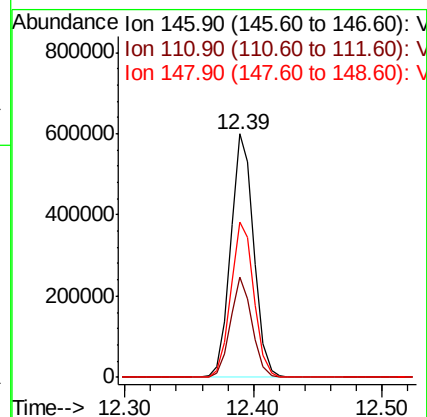
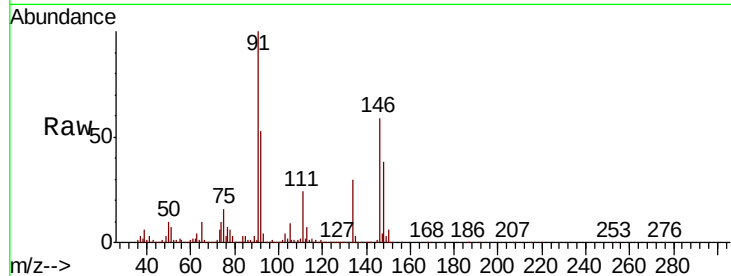
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	751146
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.3
148	64.1	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.857 ug/l

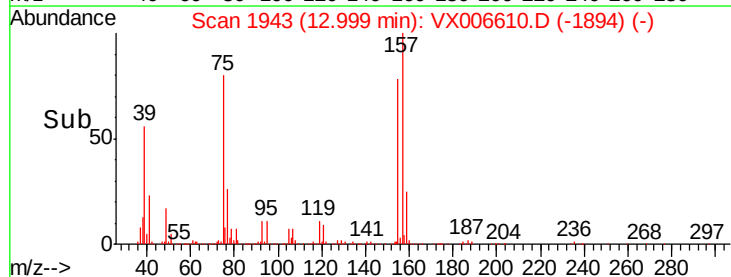
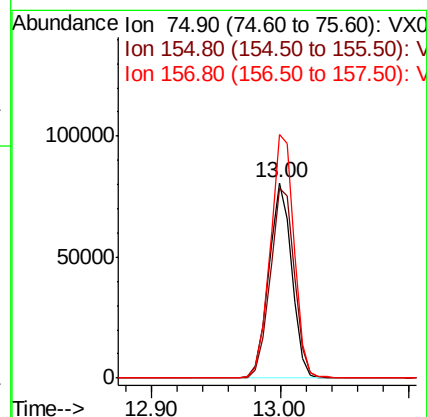
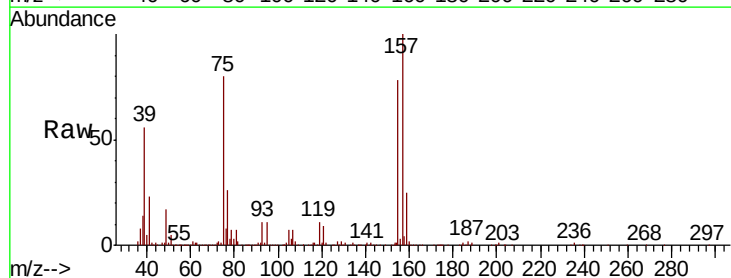
RT: 13.00 min Scan# 1943

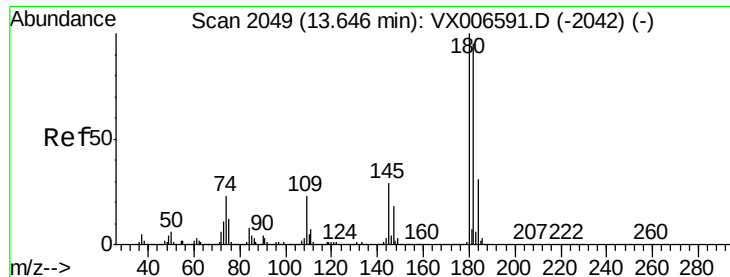
Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:	75	Resp:	99482
Ion Ratio	Lower	Upper	
75	100		
155	102.6	53.4	160.3
157	129.8	68.0	203.8





#93

1,2,4-Trichlorobenzene

Concen: 50.119 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Instrument :

MSVOA_X

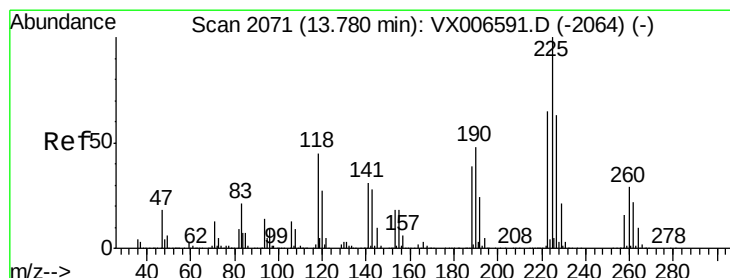
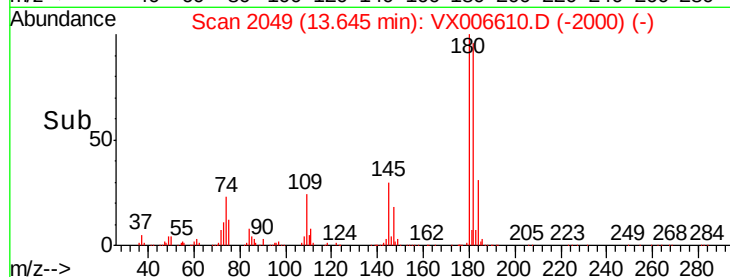
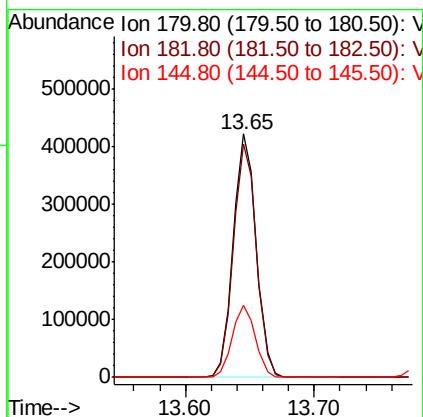
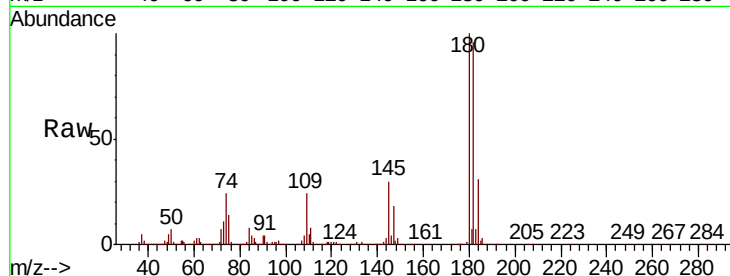
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	525320
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.3	141.9
145	29.9	14.6	43.8

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#94

Hexachlorobutadiene

Concen: 48.687 ug/l

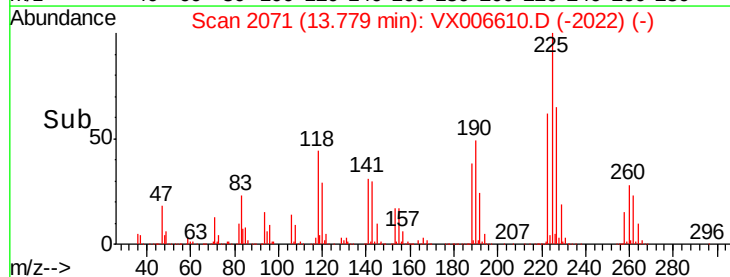
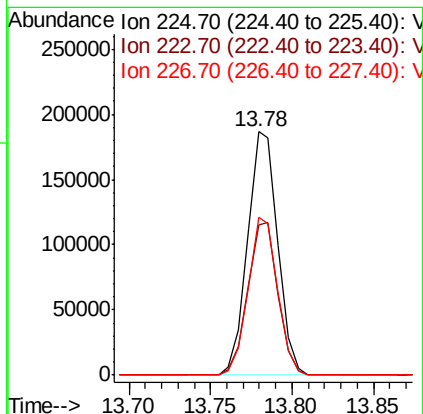
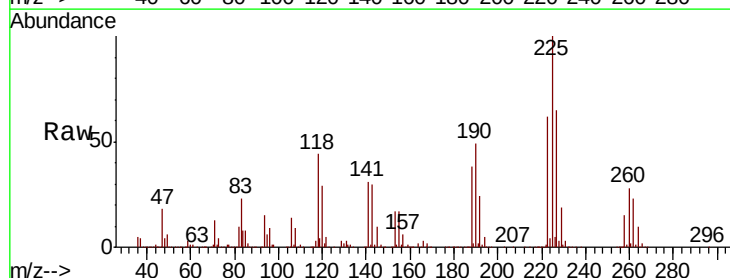
RT: 13.78 min Scan# 2071

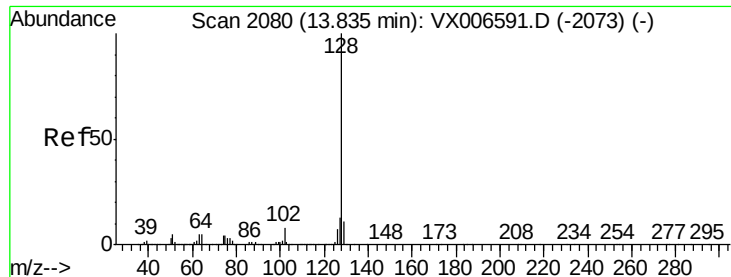
Delta R.T. -0.00 min

Lab File: VX006610.D

Acq: 18 Dec 2018 21:11

Tgt Ion:	225	Resp:	240534
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.2	93.6
227	63.6	31.9	95.5





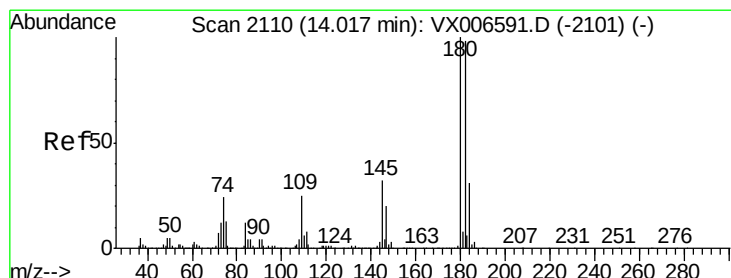
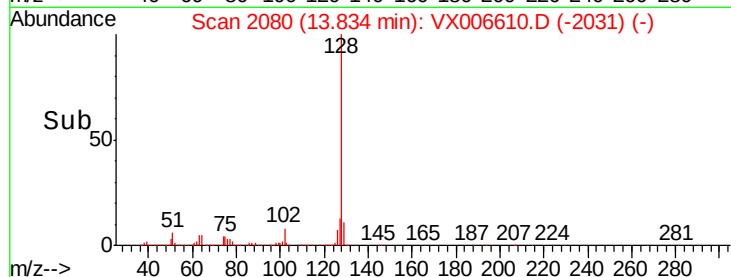
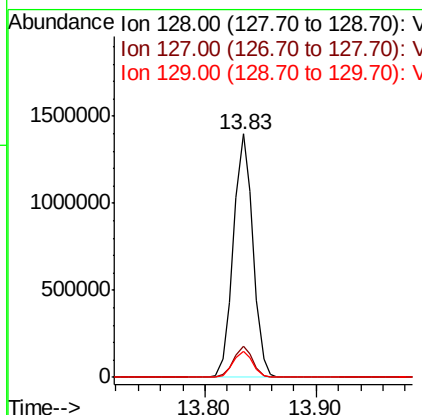
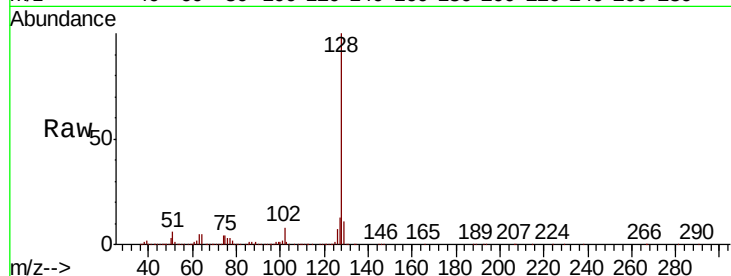
#95
Naphthalene
Concen: 50.547 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
12/19/2018 11:22:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.250 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006610.D
Acq: 18 Dec 2018 21:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.2
145	31.8	15.6	46.8

