

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008183.D
 Acq On : 19 Mar 2019 11:33
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda

3/20/2019 10:28:11 AM

Quant Time: Mar 19 11:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 11:34:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	306710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	512303	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	447648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	441277	93.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.90%	
35) Dibromofluoromethane	5.50	113	332757	94.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.46%	
50) Toluene-d8	8.72	98	1278513	94.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.46%	
62) 4-Bromofluorobenzene	11.13	95	449431	94.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	382309	95.217	ug/l	99
3) Chloromethane	1.33	50	423820	93.202	ug/l	99
4) Vinyl Chloride	1.41	62	443121	93.059	ug/l	99
5) Bromomethane	1.64	94	399193	97.552	ug/l	99
6) Chloroethane	1.71	64	263839	92.501	ug/l	100
7) Trichlorofluoromethane	1.92	101	549709	93.554	ug/l	99
8) Diethyl Ether	2.19	74	315283	94.450	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	393271	93.412	ug/l	90
10) Methyl Iodide	2.51	142	537706	96.427	ug/l	96
11) Tert butyl alcohol	3.06	59	497509	470.546	ug/l	100
12) 1,1-Dichloroethene	2.37	96	383558	96.105	ug/l	92
13) Acrolein	2.30	56	333566	465.202	ug/l	98
14) Allyl chloride	2.73	41	859047	96.629	ug/l	94
15) Acrylonitrile	3.15	53	1326429	470.087	ug/l	99
16) Acetone	2.45	43	1238861	450.010	ug/l	96
17) Carbon Disulfide	2.57	76	1211247	97.270	ug/l	100
18) Methyl Acetate	2.78	43	633701	94.223	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	1394460	95.252	ug/l	98
20) Methylene Chloride	2.86	84	430601	94.428	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	407322	96.287	ug/l	93
22) Diisopropyl ether	3.86	45	1635733	93.719	ug/l	91
23) Vinyl Acetate	3.82	43	7246540	470.859	ug/l	98
24) 1,1-Dichloroethane	3.70	63	841984	95.846	ug/l	98
25) 2-Butanone	4.68	43	1954034	462.341	ug/l	97
26) 2,2-Dichloropropane	4.59	77	642741	96.111	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	466110	95.942	ug/l	90
28) Bromochloromethane	5.02	49	345517	93.586	ug/l #	82
29) Tetrahydrofuran	5.13	42	1267012	465.275	ug/l	96
30) Chloroform	5.21	83	775062	93.937	ug/l	99
31) Cyclohexane	5.58	56	804055	93.674	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	666169	96.117	ug/l	96
36) 1,1-Dichloropropene	5.80	75	616821	96.297	ug/l	97
37) Ethyl Acetate	4.84	43	740822	92.863	ug/l	98
38) Carbon Tetrachloride	5.79	117	560987	95.827	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	747520	94.369	ug/l	93
40) Benzene	6.15	78	1813231	94.456	ug/l	99
41) Methacrylonitrile	5.05	41	417152	93.363	ug/l	96
42) 1,2-Dichloroethane	6.20	62	649599	93.548	ug/l	95
43) Isopropyl Acetate	6.45	43	1211828	94.828	ug/l	97
44) Trichloroethene	7.21	130	437025	95.650	ug/l	90
45) 1,2-Dichloropropane	7.51	63	507854	96.199	ug/l	100
46) Dibromomethane	7.66	93	301062	94.489	ug/l #	86
47) Bromodichloromethane	7.90	83	605189	95.942	ug/l	99
48) Methyl methacrylate	7.77	41	631341	93.926	ug/l	93
49) 1,4-Dioxane	7.74	88	205879	1866.549	ug/l	91
51) 4-Methyl-2-Pentanone	8.65	43	3733216	458.212	ug/l	98
52) Toluene	8.79	92	1075331	95.184	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	714137	98.089	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	767944	96.548	ug/l #	91
55) 1,1,2-Trichloroethane	9.21	97	427323	91.795	ug/l	96
56) Ethyl methacrylate	9.18	69	731266	93.756	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	771226	93.822	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1738968	479.150	ug/l	93
59) 2-Hexanone	9.49	43	2861079	460.654	ug/l	97
60) Dibromochloromethane	9.59	129	441225	95.557	ug/l	99
61) 1,2-Dibromoethane	9.67	107	453504	93.752	ug/l	99
64) Tetrachloroethene	9.34	164	408667	94.951	ug/l	96
65) Chlorobenzene	10.14	112	1115612	94.428	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	401321	94.757	ug/l	98
67) Ethyl Benzene	10.25	91	2047137	95.168	ug/l	97
68) m/p-Xylenes	10.36	106	1518654	192.455	ug/l	94
69) o-Xylene	10.70	106	731892	95.185	ug/l	94
70) Styrene	10.71	104	1204142	95.685	ug/l	95
71) Bromoform	10.85	173	325858	98.674	ug/l #	100
73) Isopropylbenzene	11.02	105	1935987	93.206	ug/l	99
74) N-amyl acetate	10.90	43	1050020	95.048	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	661565	92.676	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	550846m	87.789	ug/l	
77) Bromobenzene	11.26	156	453946	93.146	ug/l	83
78) n-propylbenzene	11.36	91	2309066	93.752	ug/l	96
79) 2-Chlorotoluene	11.42	91	1328906	92.870	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	1626160	93.984	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	232750	97.741	ug/l	97
82) 4-Chlorotoluene	11.51	91	1576859	94.271	ug/l	95
83) tert-Butylbenzene	11.77	119	1564641	96.272	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	1639679	93.102	ug/l	97
85) sec-Butylbenzene	11.94	105	1924285	93.666	ug/l	96
86) p-Isopropyltoluene	12.06	119	1677414	94.185	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	830297	95.261	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	828707	94.969	ug/l	98
89) n-Butylbenzene	12.39	91	1628374	96.157	ug/l	97
90) Hexachloroethane	12.60	117	297188	97.065	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	832012	95.789	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	156276	96.494	ug/l	79

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Manual Integrations
APPROVED

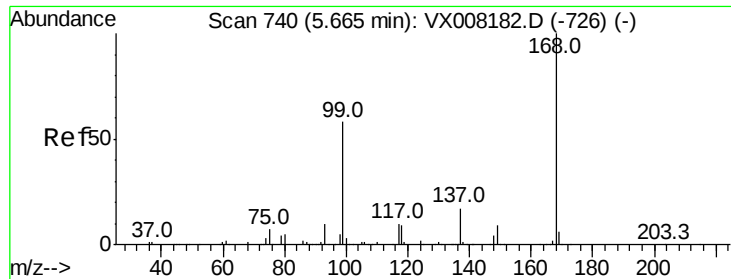
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	566715	97.029	ug/l	99
94) Hexachlorobutadiene	13.78	225	274109	96.078	ug/l	99
95) Naphthalene	13.83	128	1850089	96.110	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	558745	96.526	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 306710

Ion Ratio Lower Upper

168 100

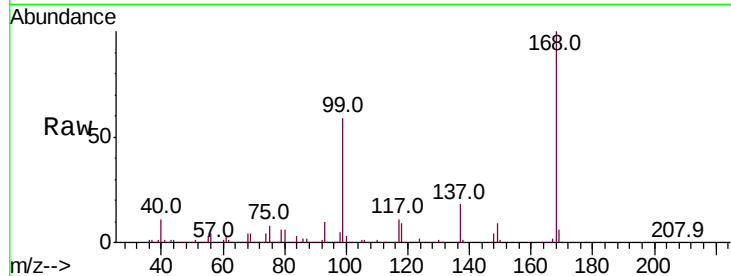
99 58.9 37.6 56.4#

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

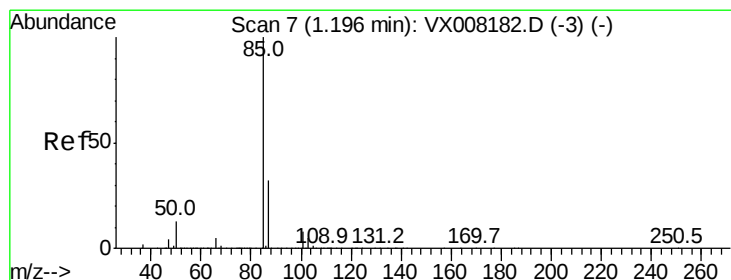
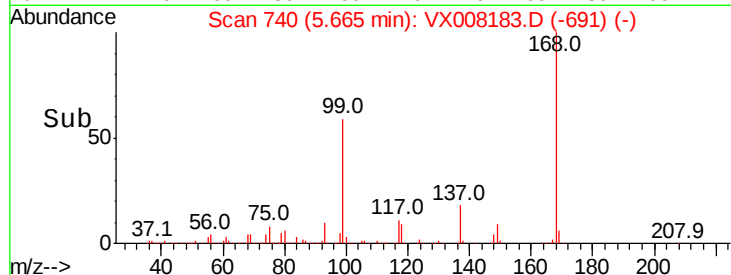
50000

0

5.50 5.60 5.70 5.80

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 95.217 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008183.D

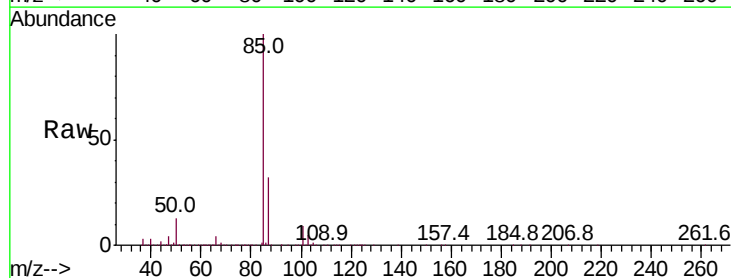
Acq: 19 Mar 2019 11:33

Tgt Ion: 85 Resp: 382309

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

400000

300000

200000

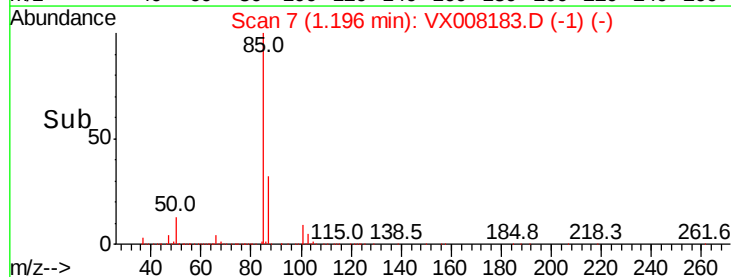
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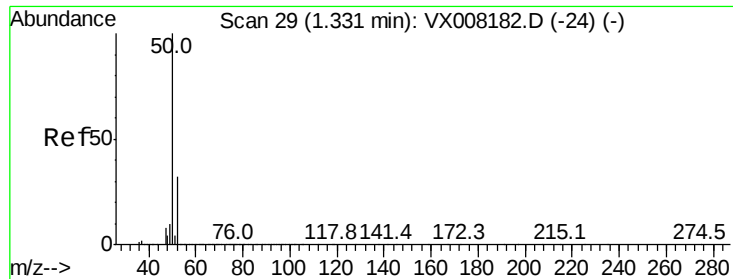
0

1.15 1.20 1.25 1.30 1.35

1.20

Time-->





#3

Chloromethane

Concen: 93.202 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 423820

Ion Ratio Lower Upper

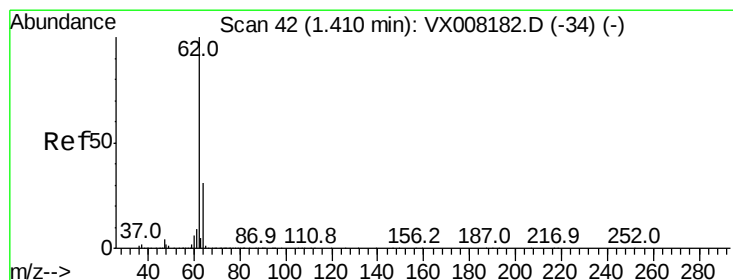
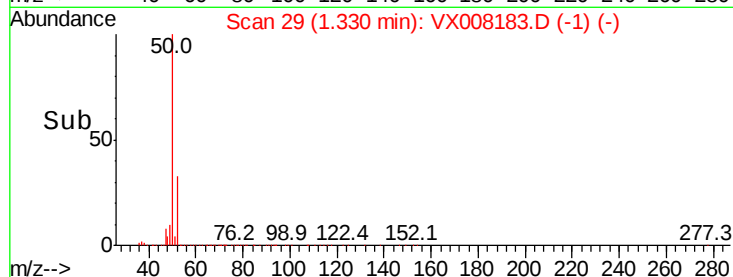
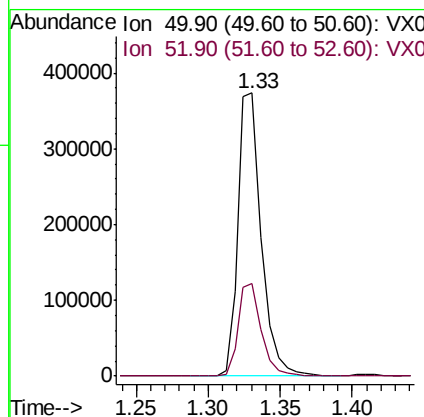
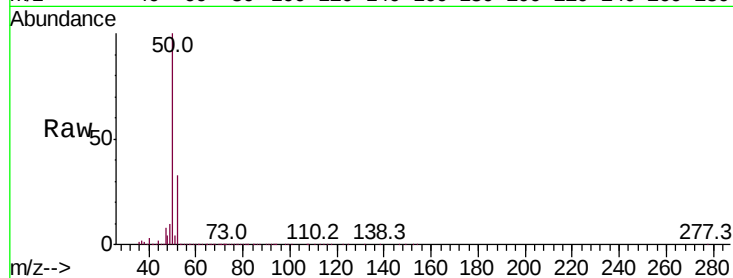
50 100

52 32.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 93.059 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008183.D

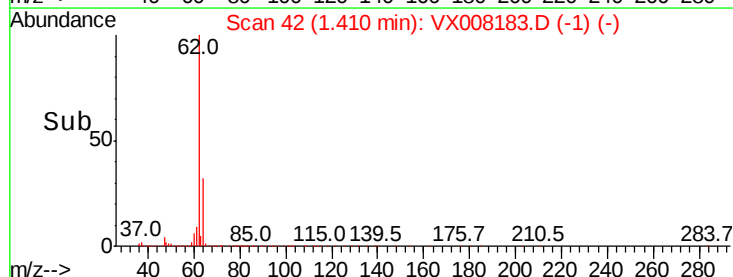
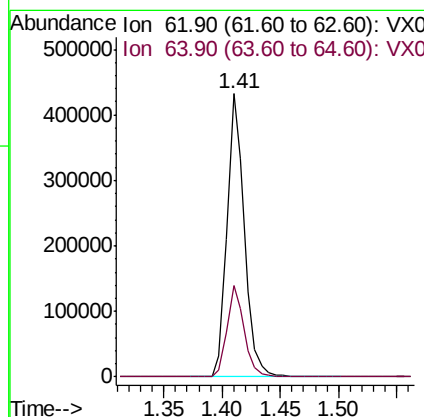
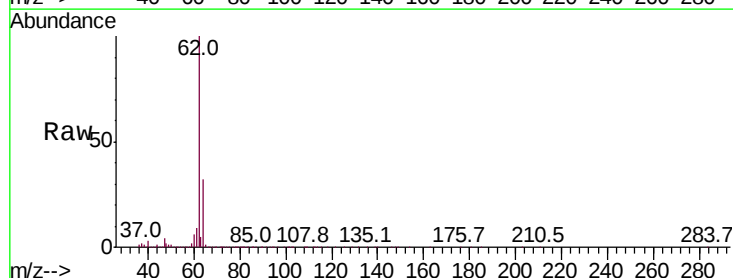
Acq: 19 Mar 2019 11:33

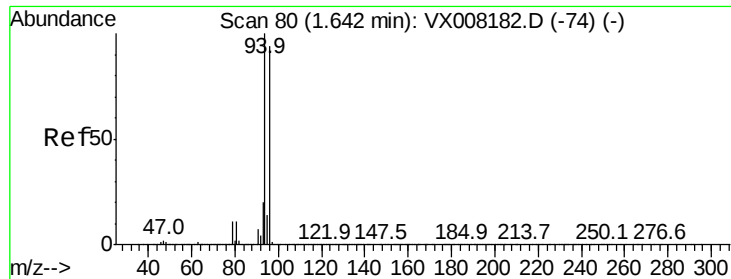
Tgt Ion: 62 Resp: 443121

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 97.552 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 399193

Ion Ratio Lower Upper

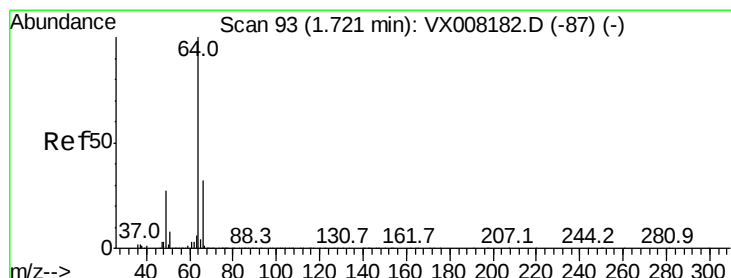
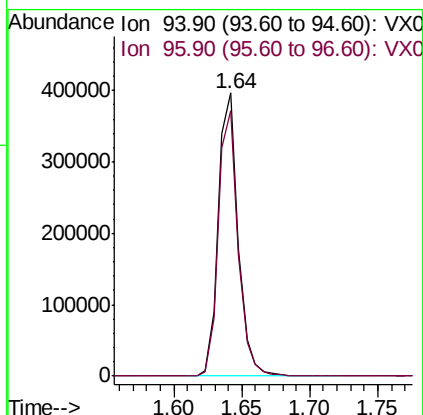
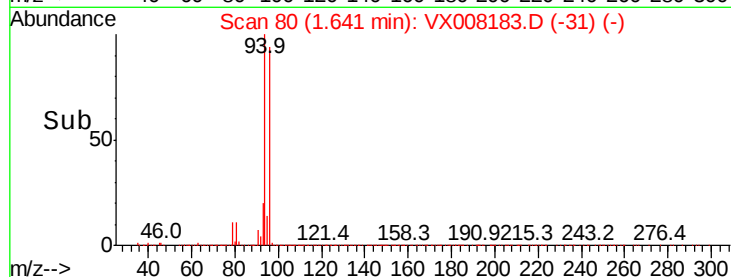
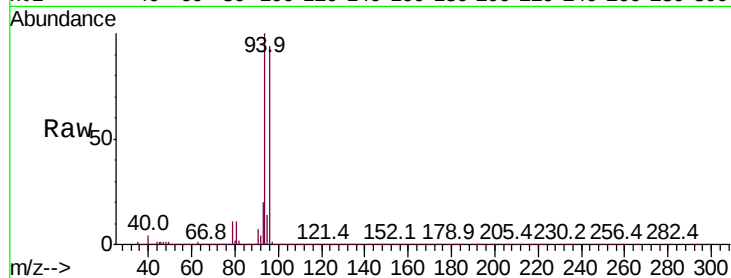
94 100

96 93.8 75.5 113.3

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#6

Chloroethane

Concen: 92.501 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008183.D

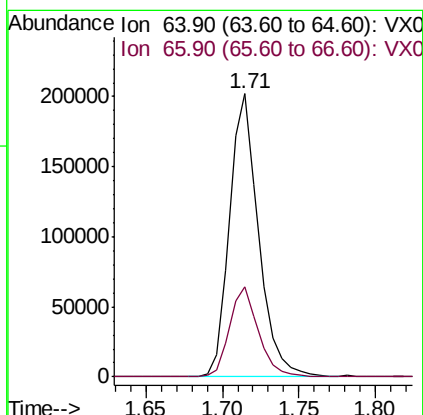
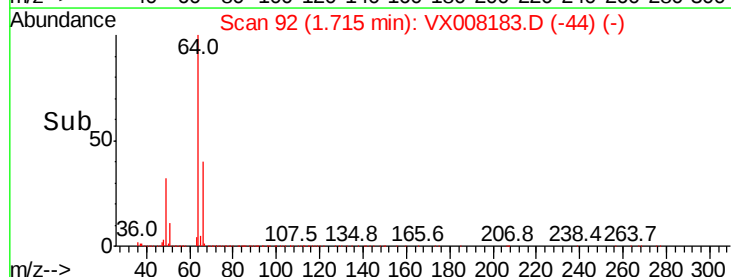
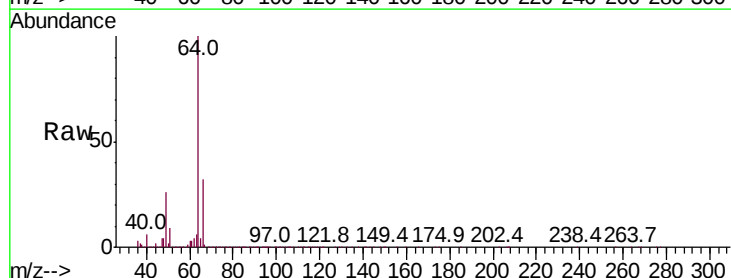
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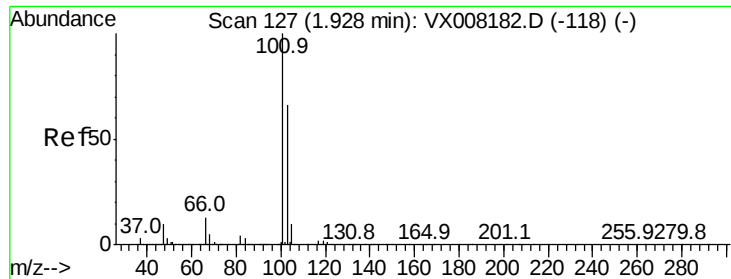
Tgt Ion: 64 Resp: 263839

Ion Ratio Lower Upper

64 100

66 31.7 25.2 37.8





#7

Trichlorofluoromethane
Concen: 93.554 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

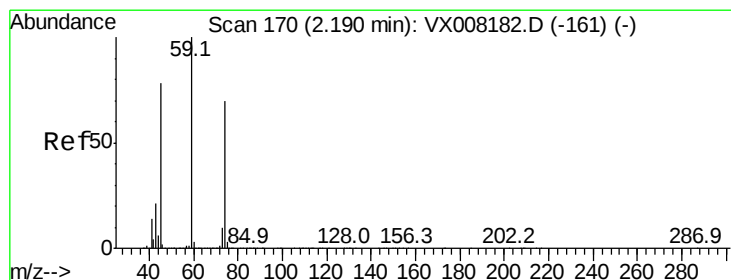
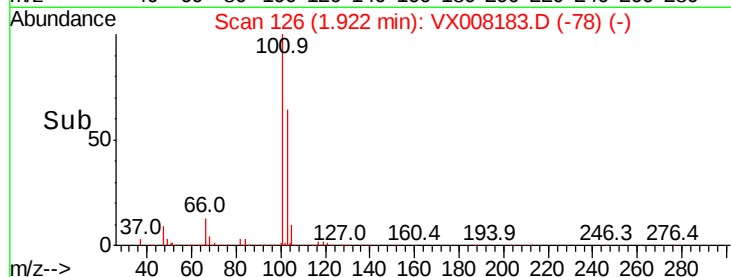
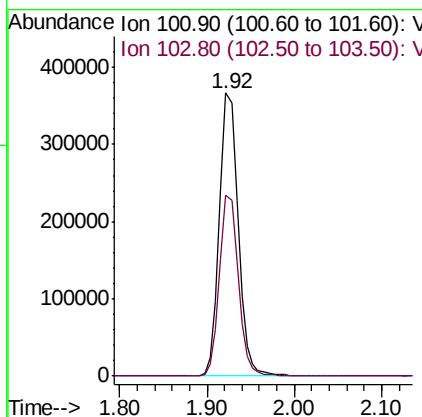
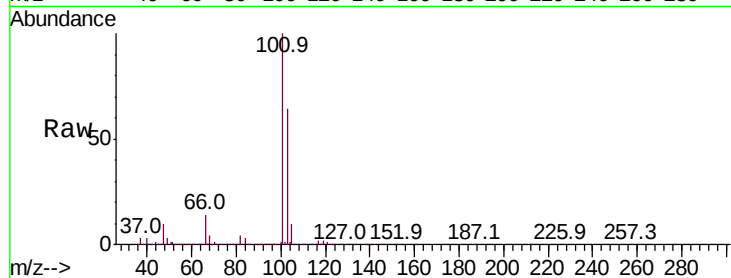
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.4	75.6

Manual Integrations
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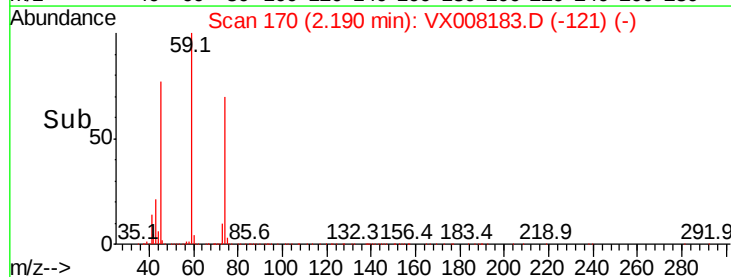
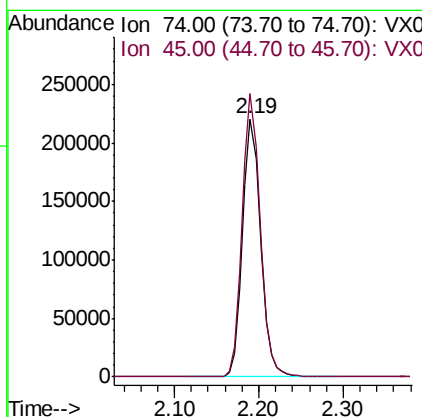
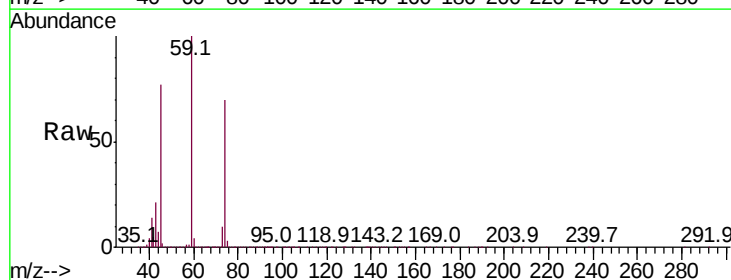
3/20/2019 10:28:11 AM

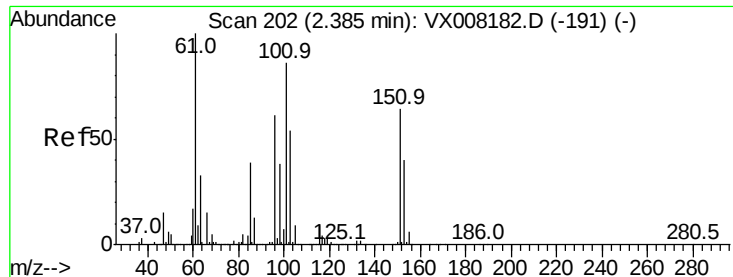


#8

Diethyl Ether
Concen: 94.450 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.3	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.412 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampled :

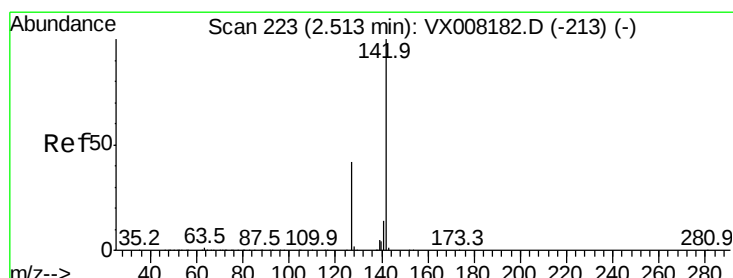
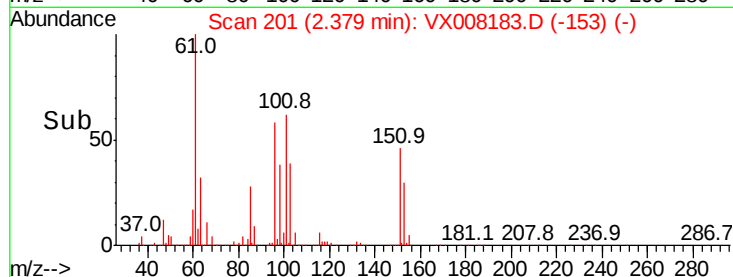
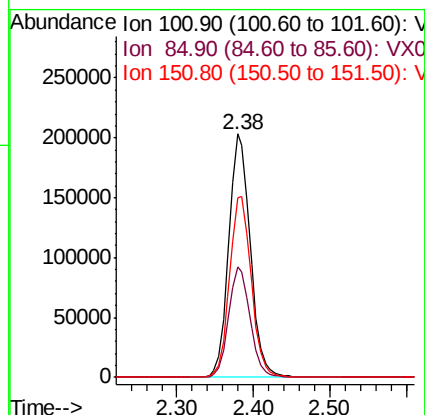
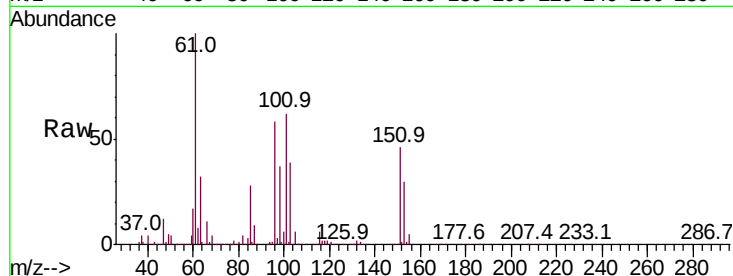
VSTDIC100

Tot Ion:	101	Resp:	393271
Ion Ratio	Lower	Upper	
101	100		
85	45.6	33.8	50.6
151	75.6	69.1	103.7

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#10

Methyl Iodide

Concen: 96.427 ug/l

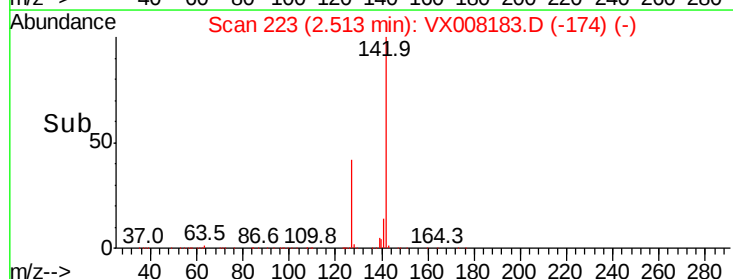
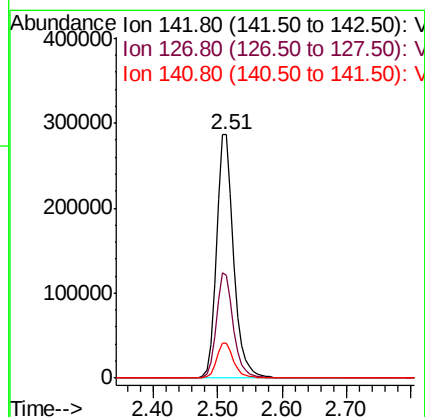
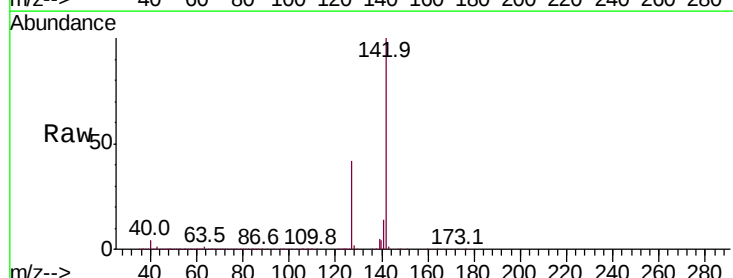
RT: 2.51 min Scan# 223

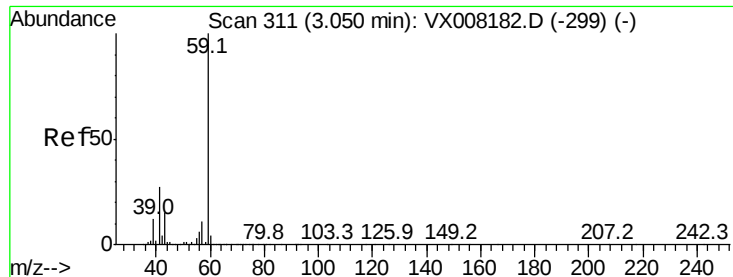
Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Tgt Ion:	142	Resp:	537706
Ion Ratio	Lower	Upper	
142	100		
127	43.0	32.1	48.1
141	14.4	11.4	17.2





#11
Tert butyl alcohol
Concen: 470.546 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

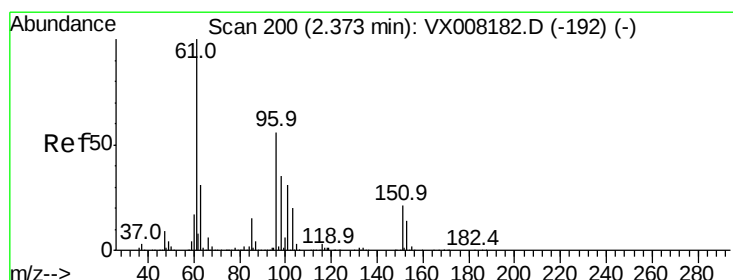
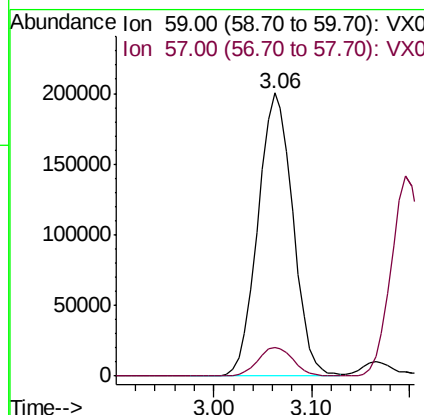
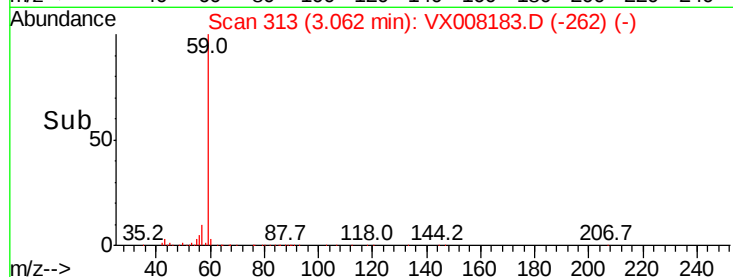
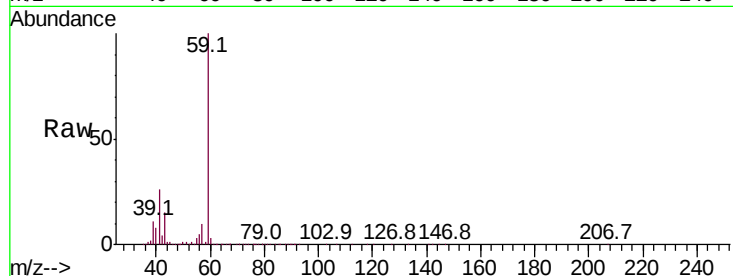
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

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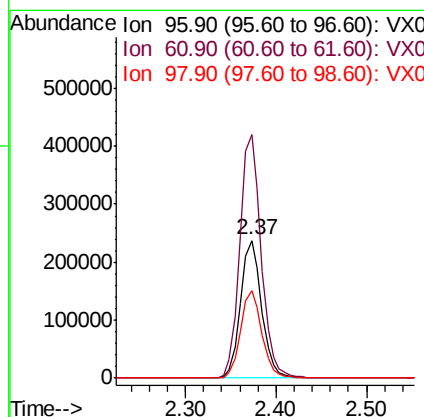
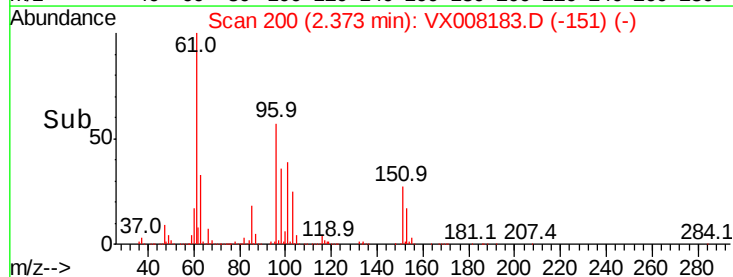
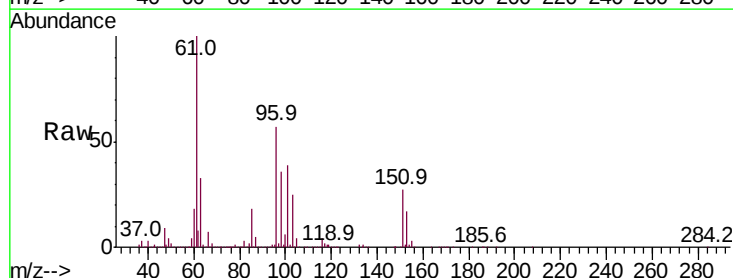
MMDadoda

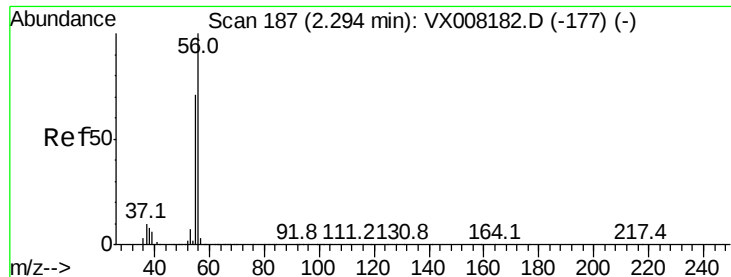
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#12
1,1-Dichloroethene
Concen: 96.105 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	129.8	194.6
98	63.7	51.0	76.6





#13

Acrolein

Concen: 465.202 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 333566

Ion Ratio Lower Upper

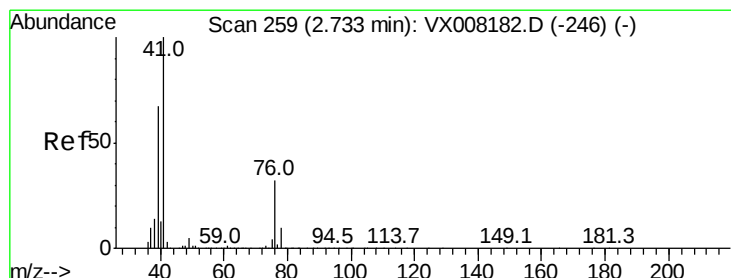
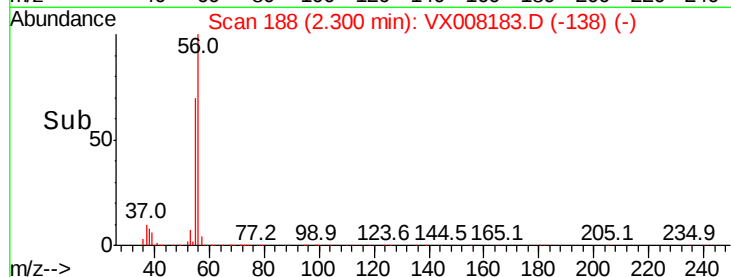
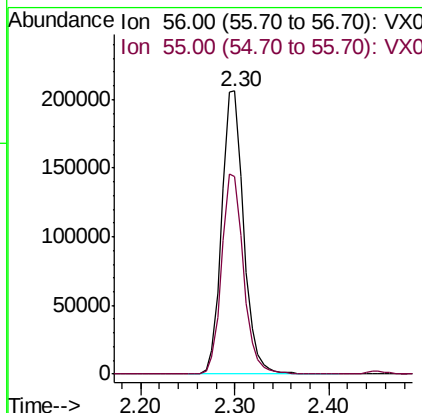
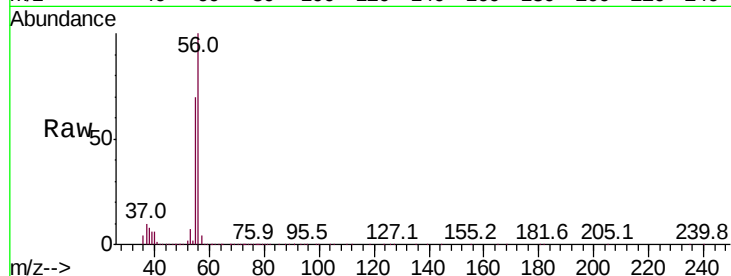
56 100

55 70.7 57.8 86.6

Manual Integrations
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#14

Allyl chloride

Concen: 96.629 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

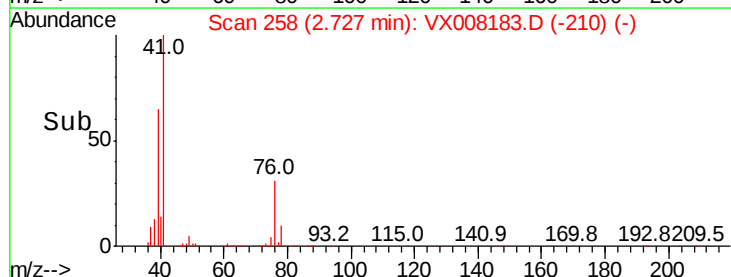
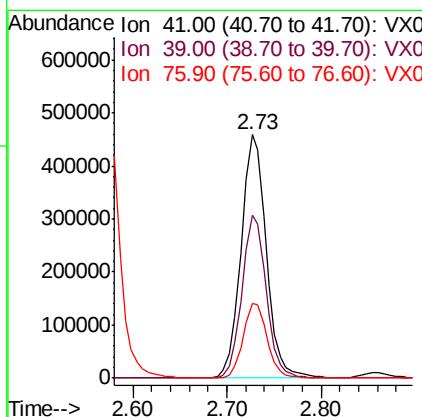
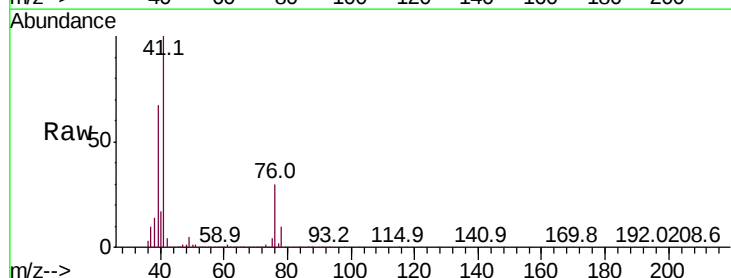
Tgt Ion: 41 Resp: 859047

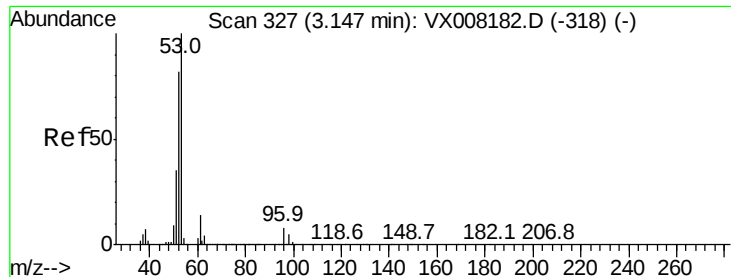
Ion Ratio Lower Upper

41 100

39 64.5 46.1 69.1

76 29.4 24.0 36.0





#15

Acrylonitrile

Concen: 470.087 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1326429

Ion Ratio Lower Upper

53 100

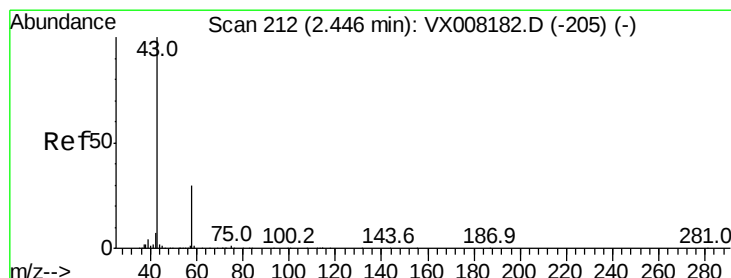
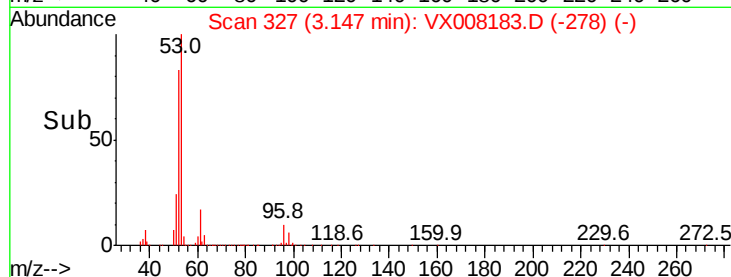
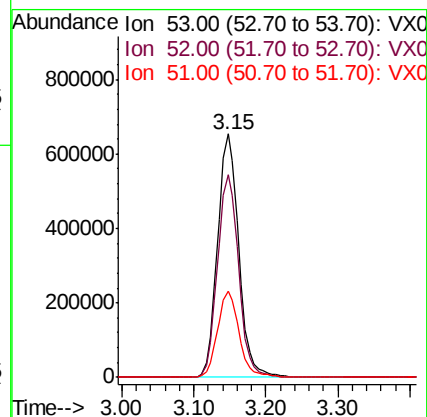
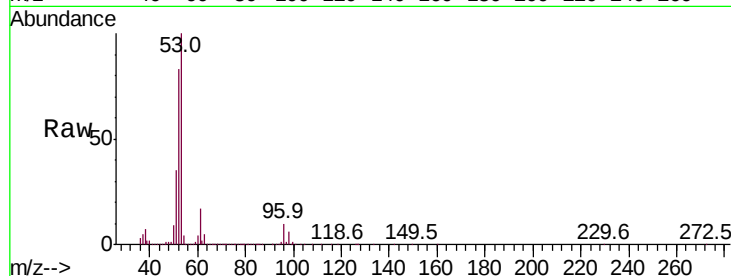
52 83.2 66.0 99.0

51 36.0 28.0 42.0

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#16

Acetone

Concen: 450.010 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008183.D

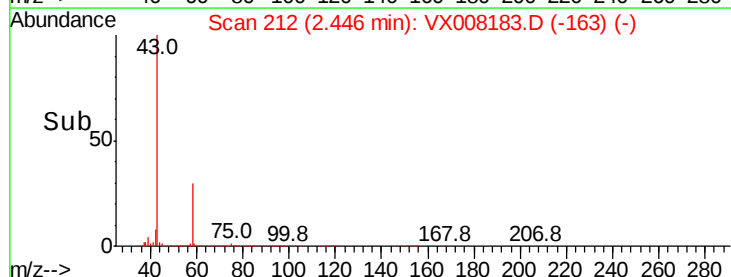
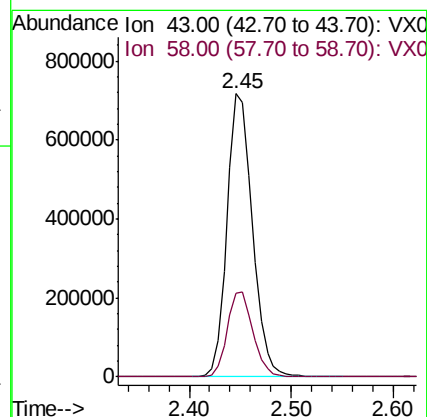
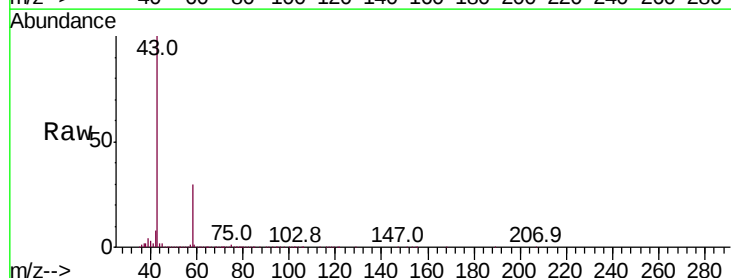
Acq: 19 Mar 2019 11:33

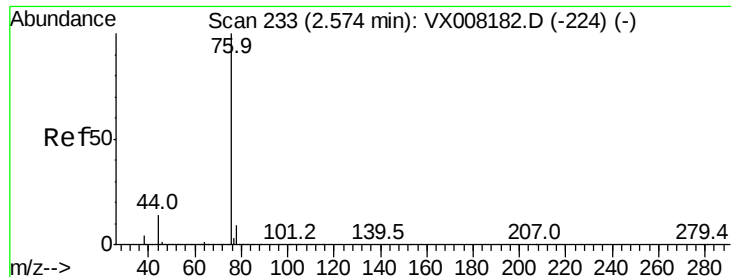
Tgt Ion: 43 Resp: 1238861

Ion Ratio Lower Upper

43 100

58 29.6 25.5 38.3





#17
Carbon Disulfide
Concen: 97.270 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

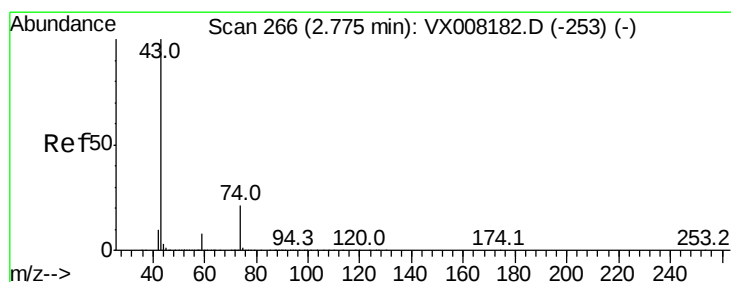
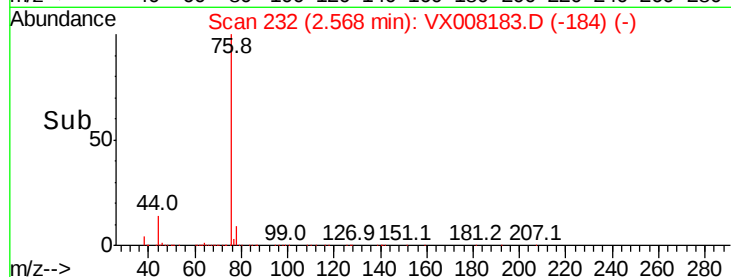
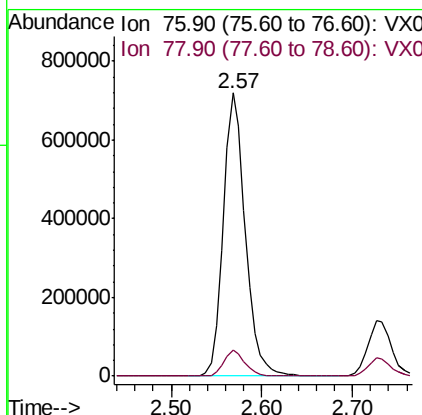
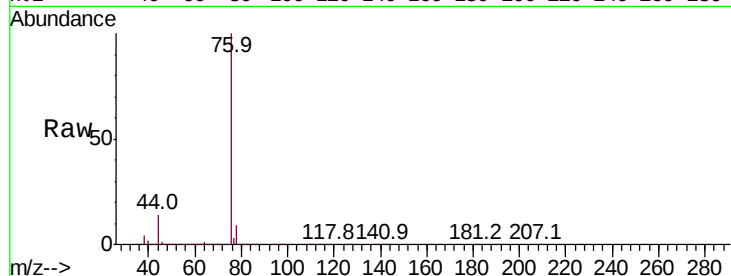
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1211247
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

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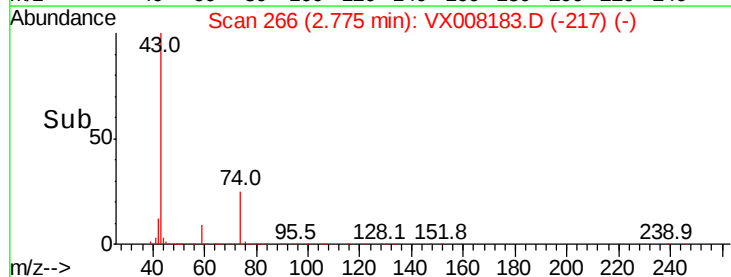
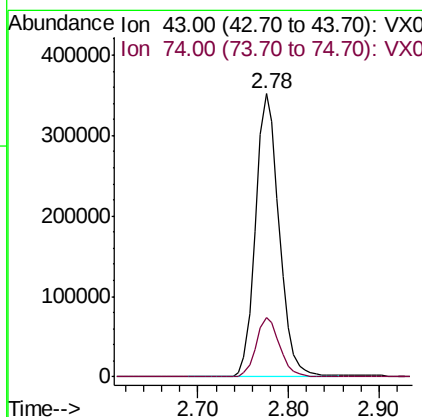
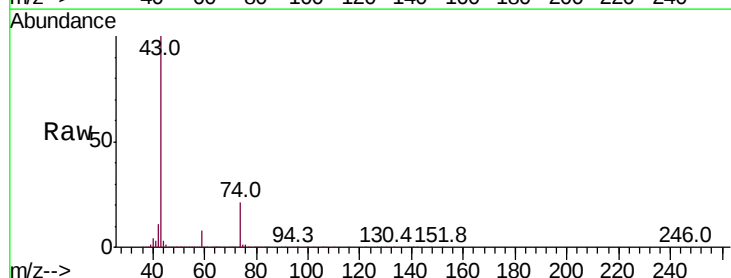
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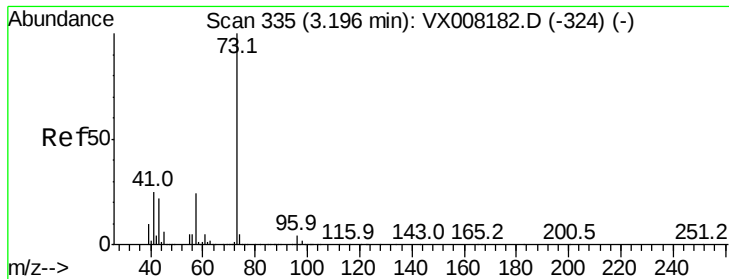
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#18
Methyl Acetate
Concen: 94.223 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion: 43 Resp: 633701
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.6





#19
Methyl tert-butyl Ether
Concen: 95.252 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

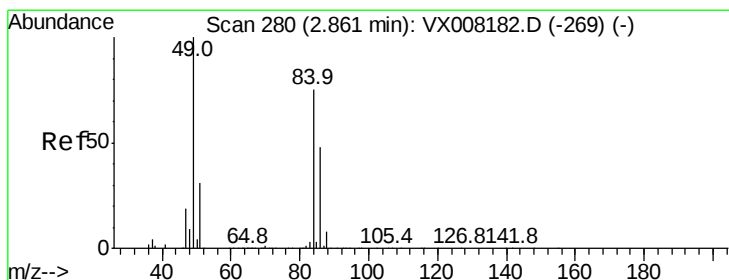
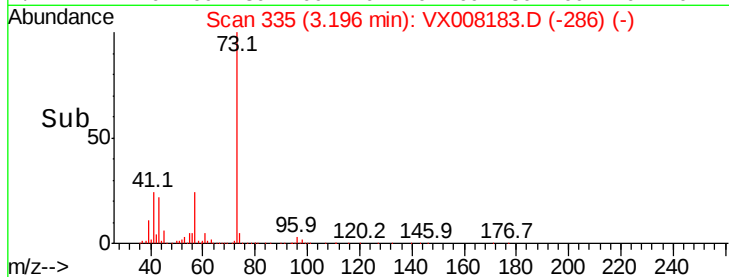
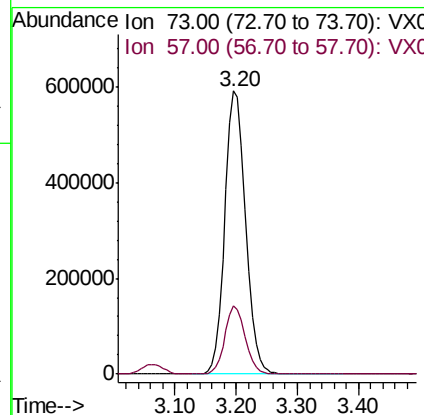
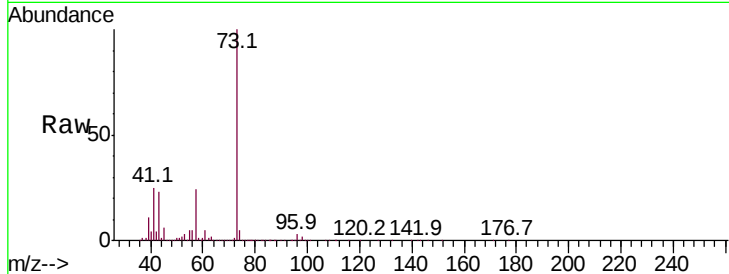
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1394460
Ion Ratio Lower Upper
73 100
57 23.9 18.2 27.4

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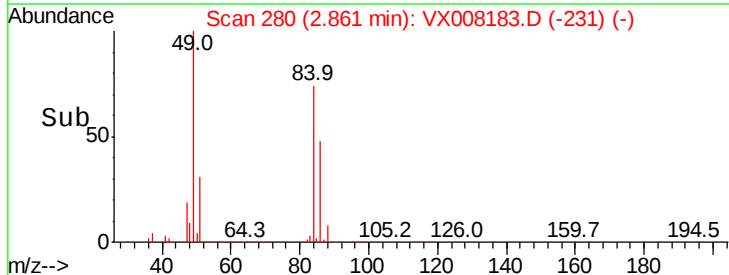
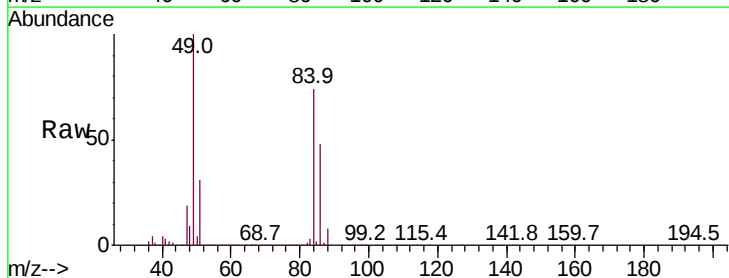
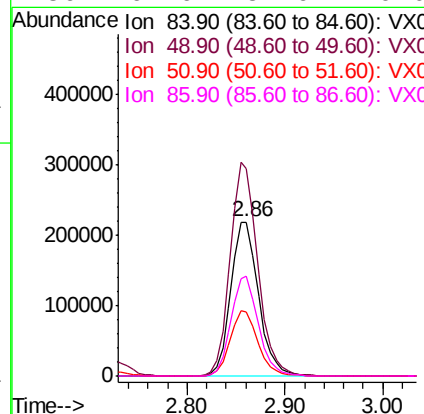
MMDadoda

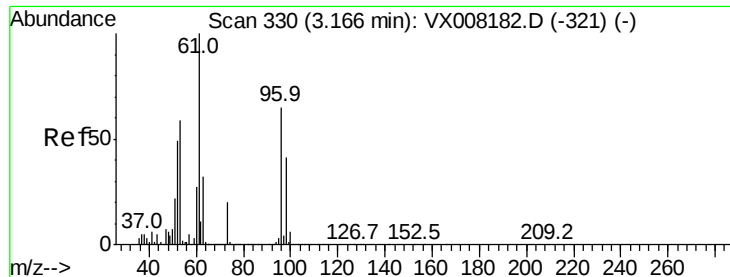
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#20
Methylene Chloride
Concen: 94.428 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion: 84 Resp: 430601
Ion Ratio Lower Upper
84 100
49 134.8 99.3 148.9
51 41.2 31.3 46.9
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 96.287 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 407322

Ion Ratio Lower Upper

96 100

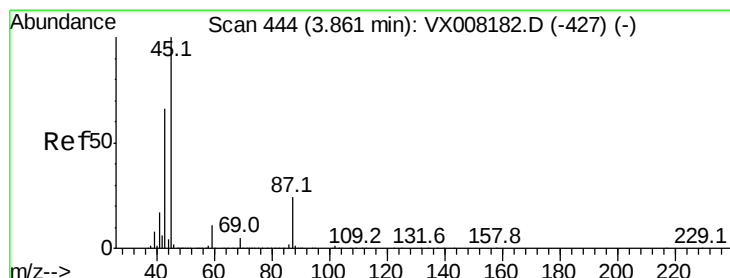
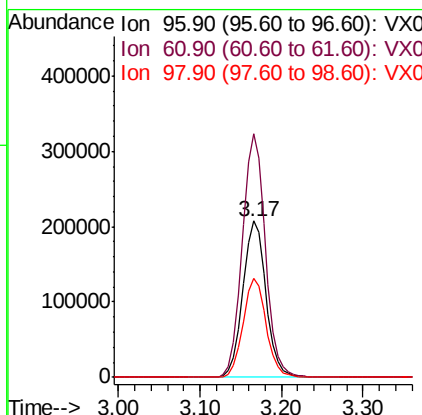
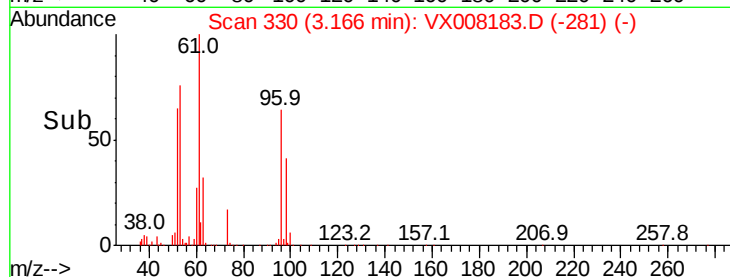
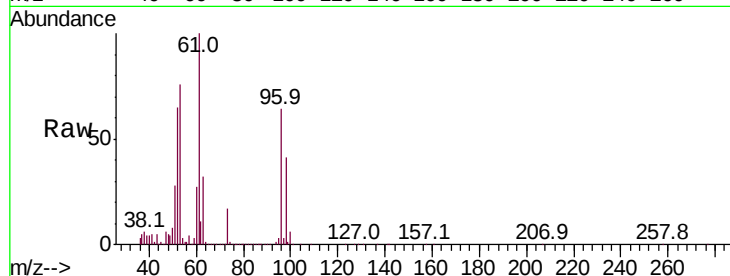
61 155.7 114.4 171.6

98 63.2 51.1 76.7

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#22

Diisopropyl ether

Concen: 93.719 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Tgt Ion: 45 Resp: 1635733

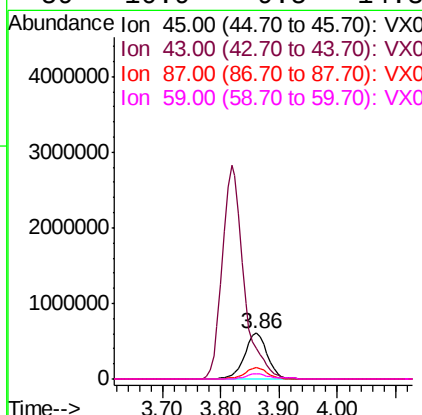
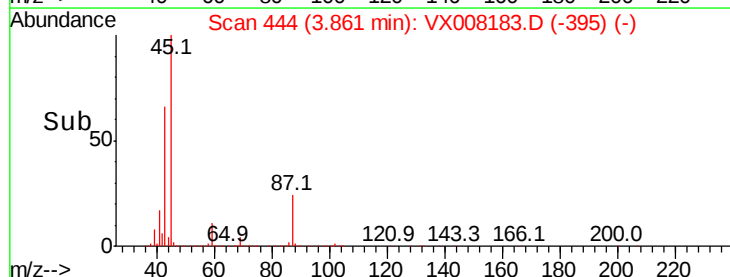
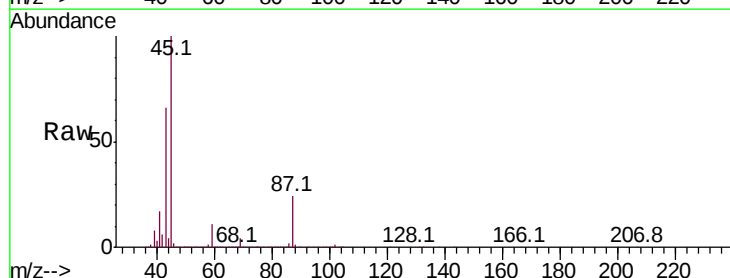
Ion Ratio Lower Upper

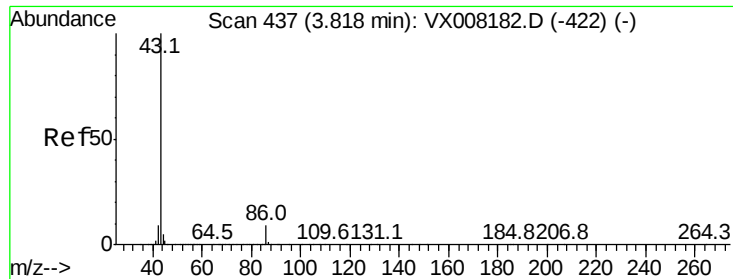
45 100

43 66.0 45.3 67.9

87 23.9 21.4 32.0

59 10.9 9.5 14.3





#23

Vinyl Acetate

Concen: 470.859 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 7246540

Ion Ratio Lower Upper

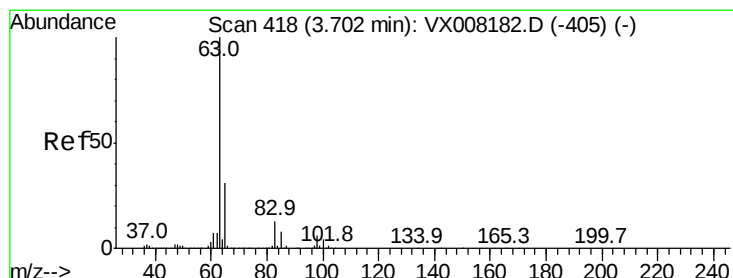
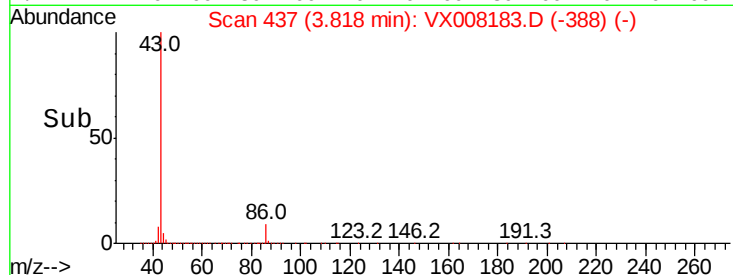
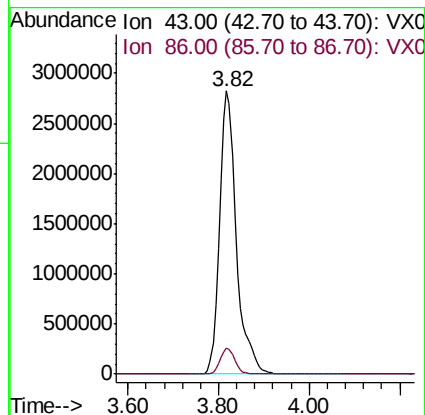
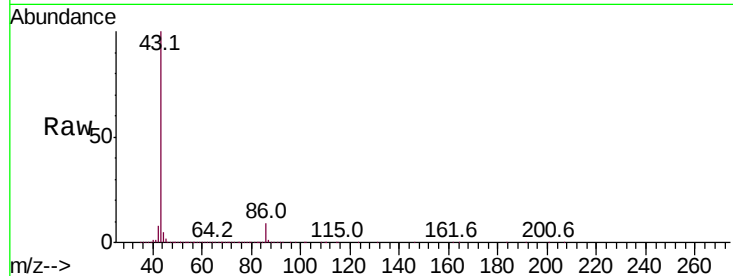
43 100

86 9.1 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 95.846 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

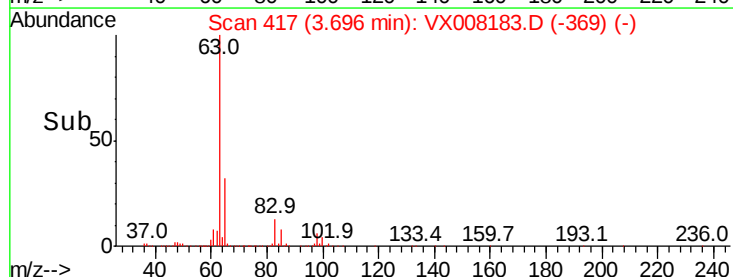
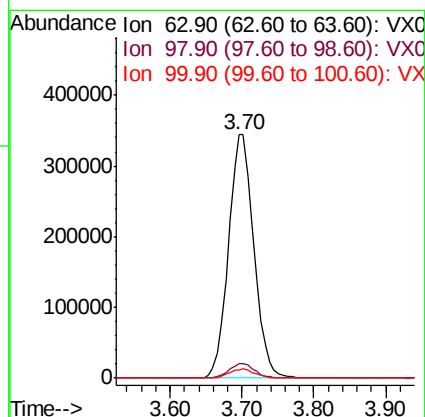
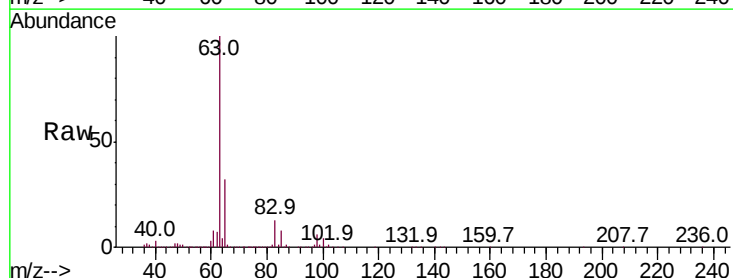
Tgt Ion: 63 Resp: 841984

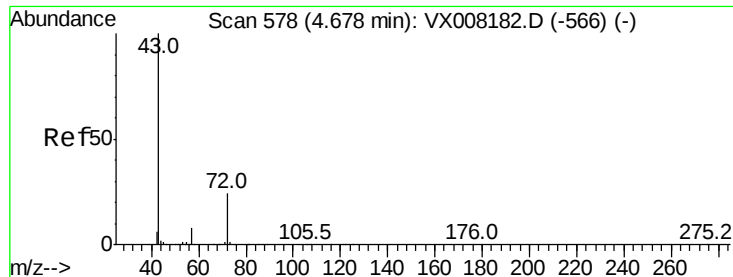
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.6 2.3 6.8





#25

2-Butanone

Concen: 462.341 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1954034

Ion Ratio Lower Upper

43 100

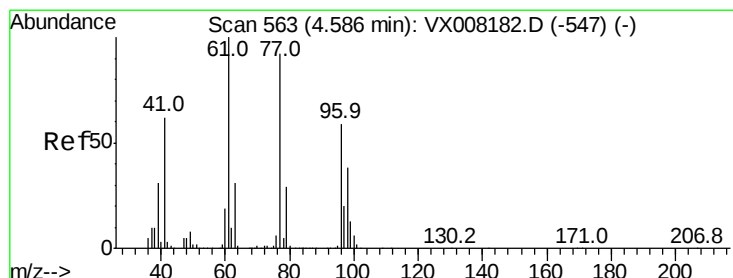
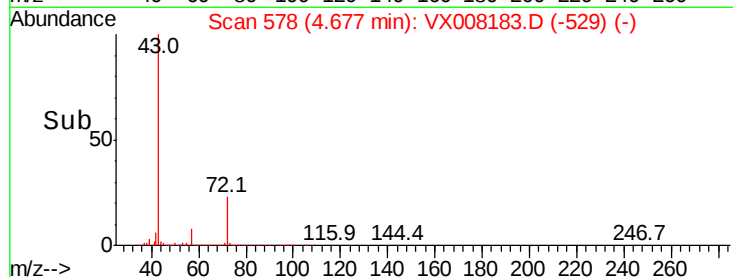
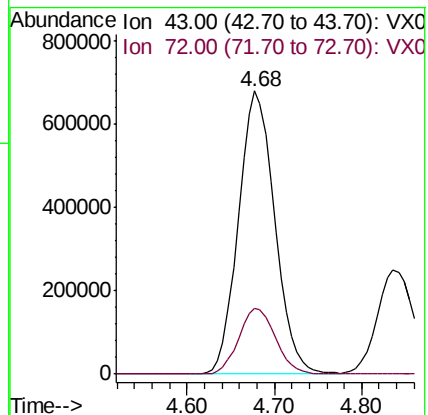
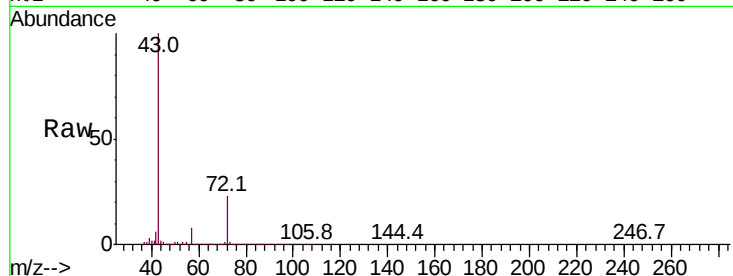
72 23.2 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 96.111 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008183.D

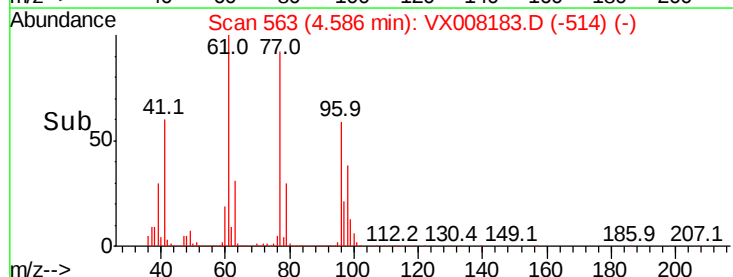
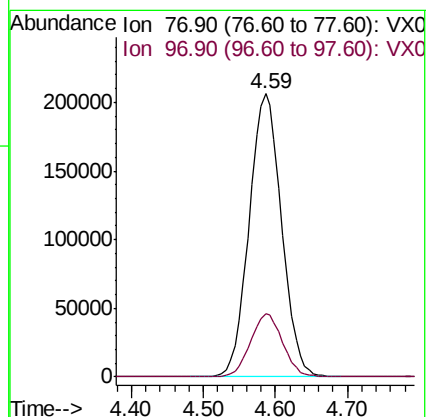
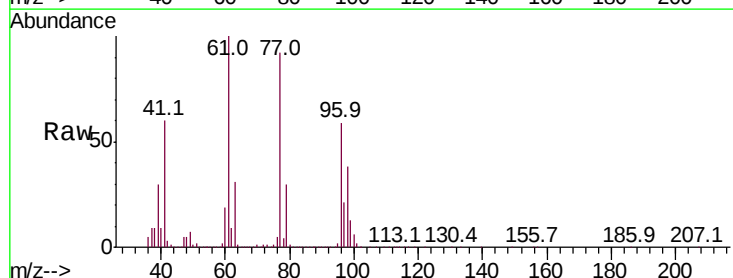
Acq: 19 Mar 2019 11:33

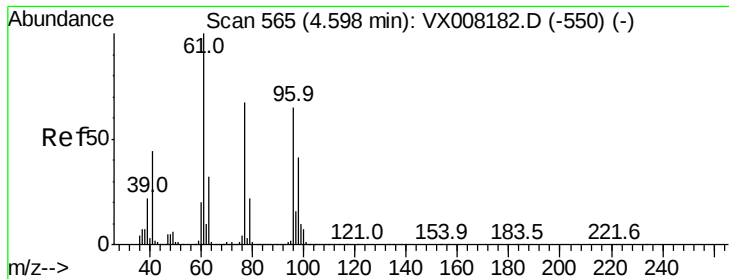
Tgt Ion: 77 Resp: 642741

Ion Ratio Lower Upper

77 100

97 22.5 12.2 36.6





#27

cis-1,2-Dichloroethene
 Concen: 95.942 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

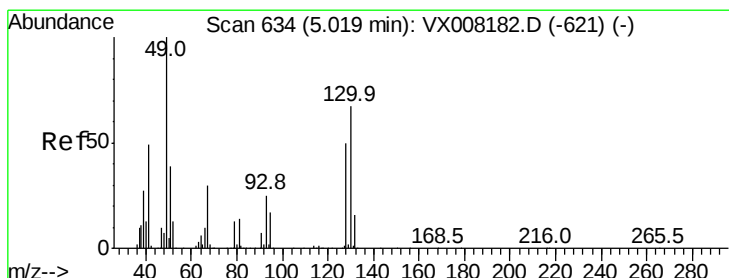
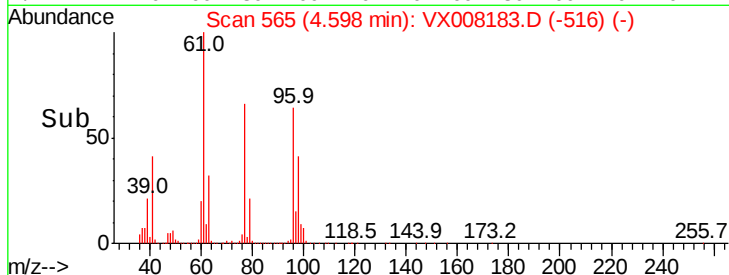
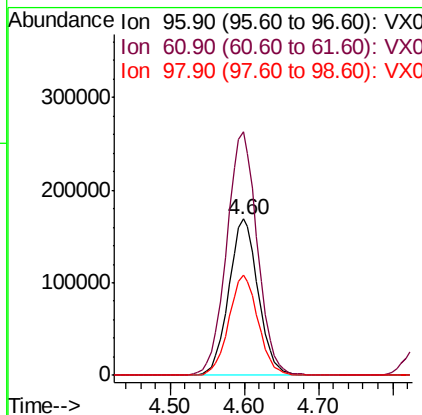
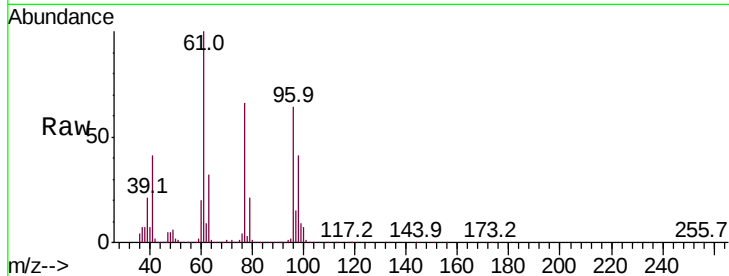
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	466110		
61	162.5	0.0	288.0	
98	64.2	0.0	129.0	

Manual Integrations
 APPROVED

MMDadoda

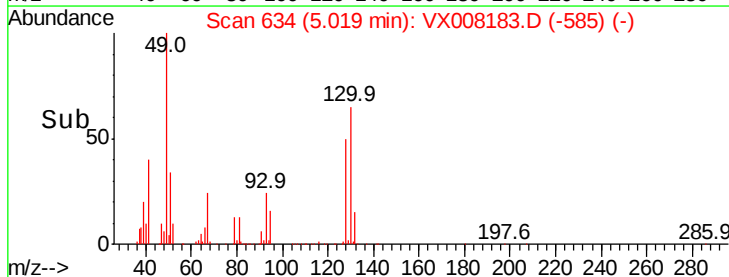
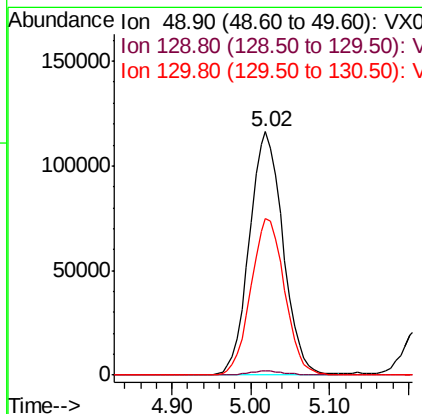
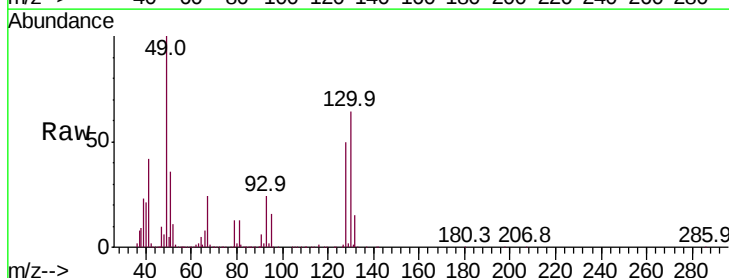
3/20/2019 10:28:11 AM

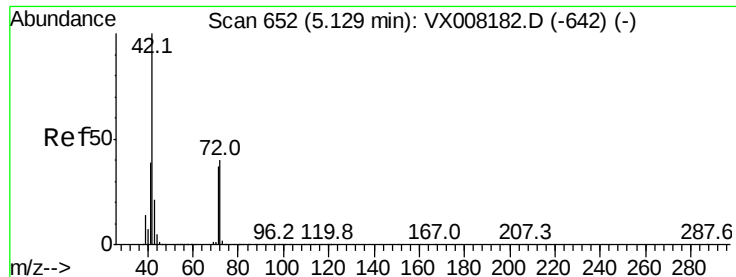


#28

Bromochloromethane
 Concen: 93.586 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	345517		
129	1.8	0.0	4.0	
130	64.4	65.0	97.4#	





#29
Tetrahydrofuran
Concen: 465.275 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

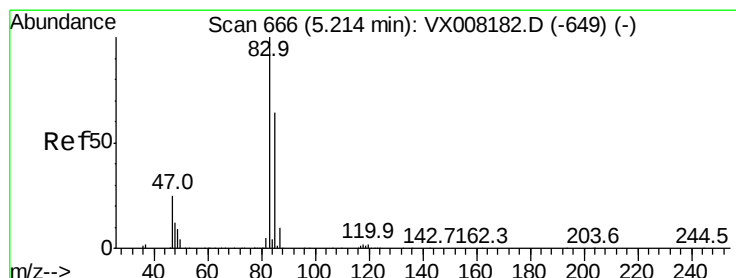
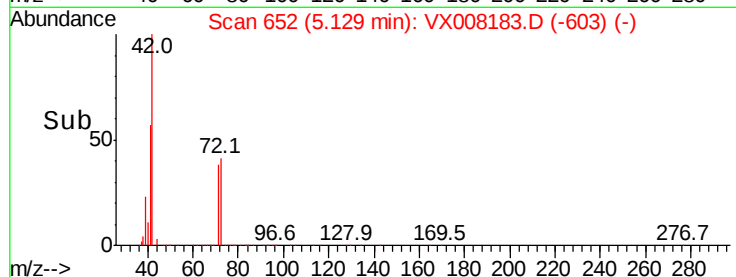
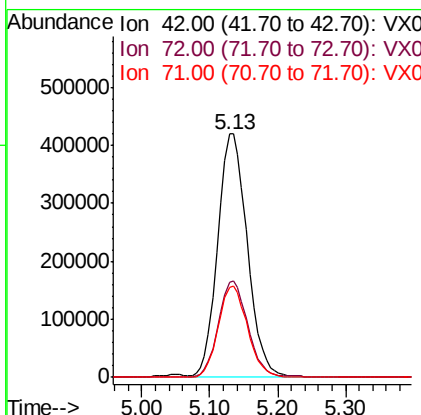
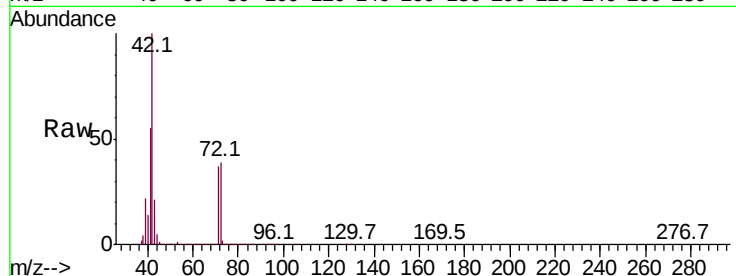
Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 42 Resp: 1267012
Ion Ratio Lower Upper
42 100
72 39.8 33.8 50.6
71 37.3 31.5 47.3

Manual Integrations
APPROVED

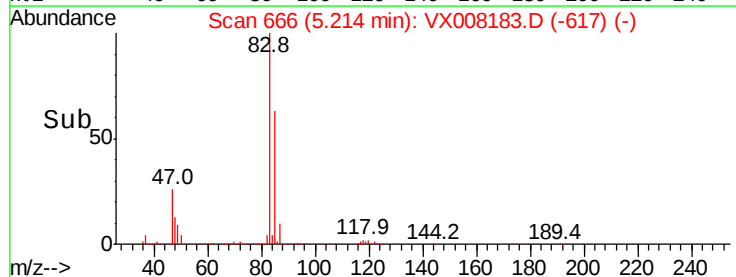
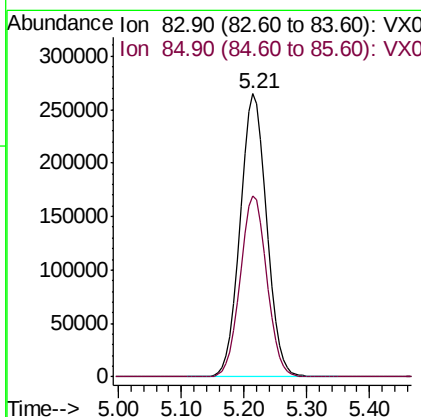
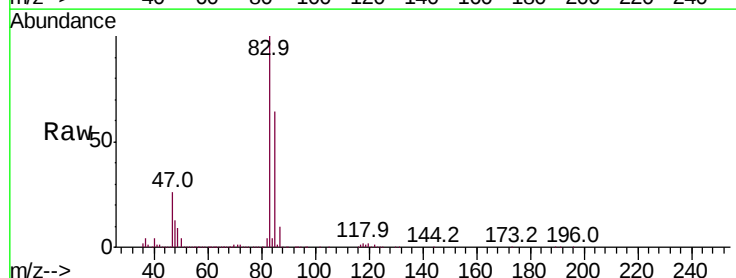
MMDadoda

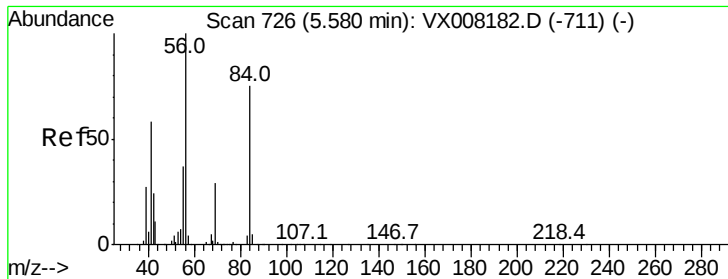
3/20/2019 10:28:11 AM



#30
Chloroform
Concen: 93.937 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion: 83 Resp: 775062
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.6





#31
Cyclohexane
Concen: 93.674 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

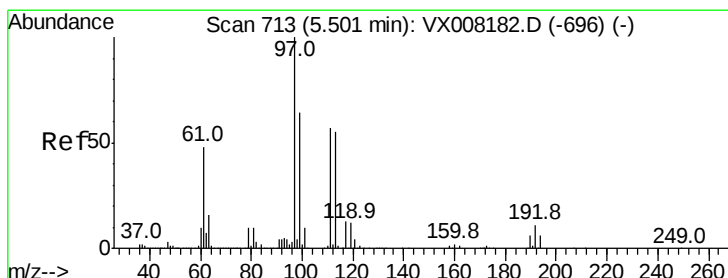
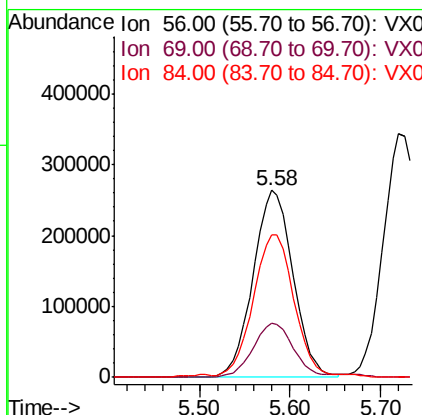
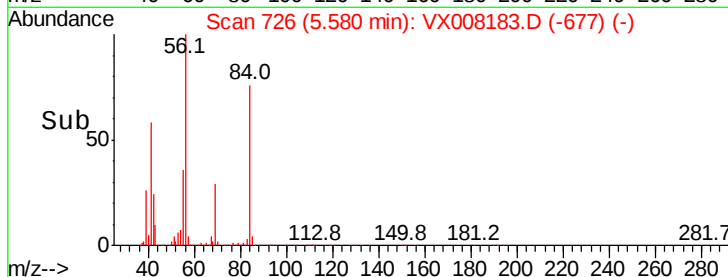
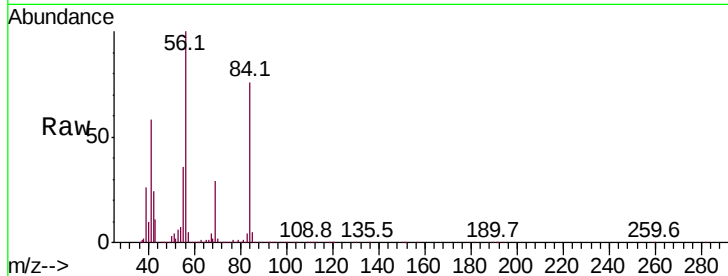
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.0	36.0
84	75.3	65.3	97.9

Manual Integrations
APPROVED

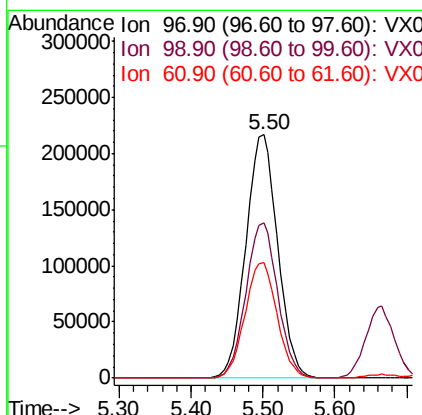
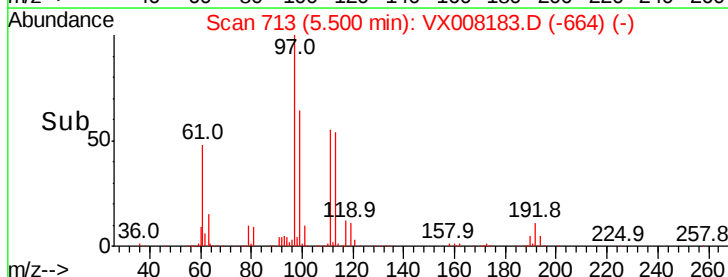
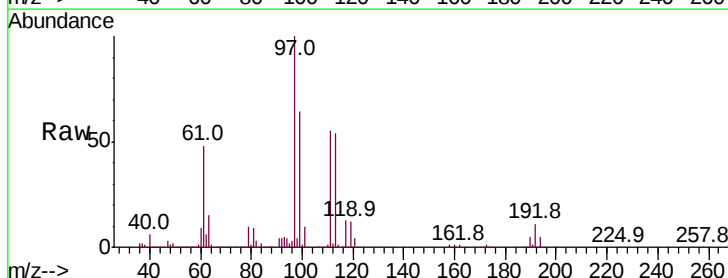
MMDadoda

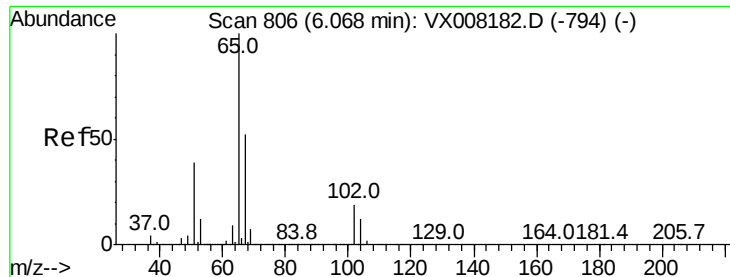
3/20/2019 10:28:11 AM



#32
1,1,1-Trichloroethane
Concen: 96.117 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.2	78.2
61	48.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 93.955 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 441277

Ion Ratio Lower Upper

65 100

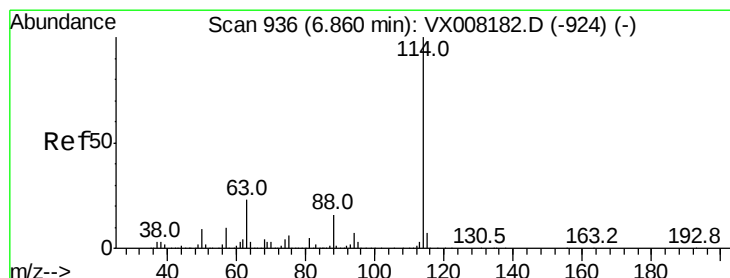
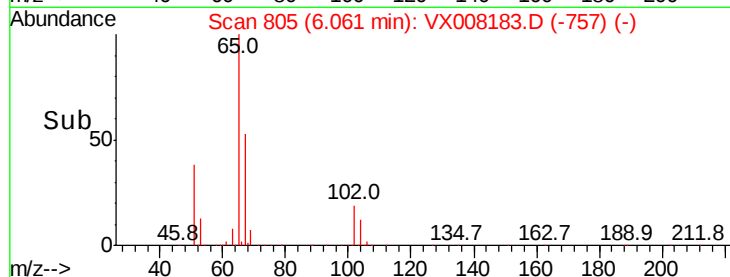
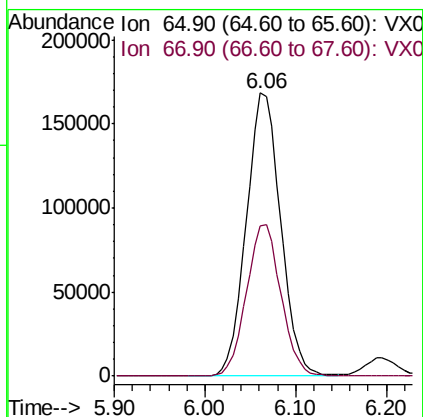
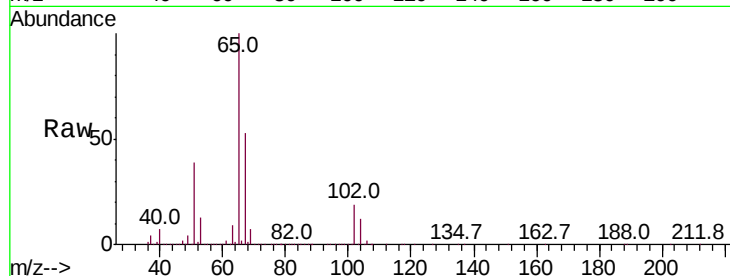
67 53.8 0.0 110.0

Manual Integrations

APPROVED

MMDadoda

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

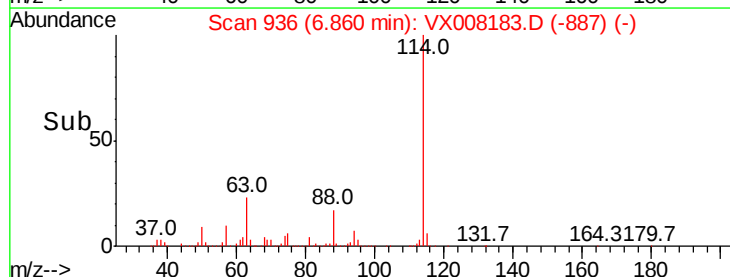
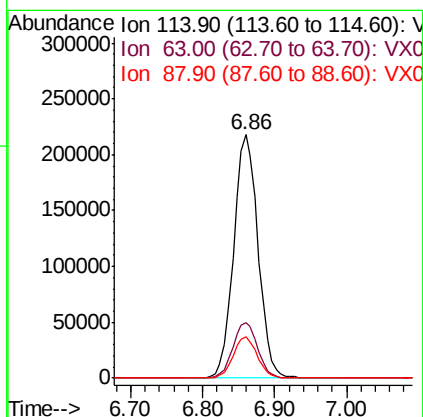
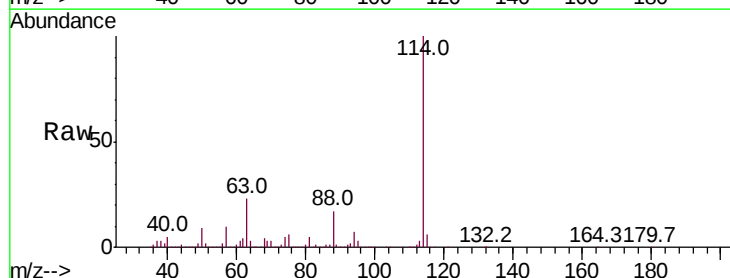
Tgt Ion: 114 Resp: 512303

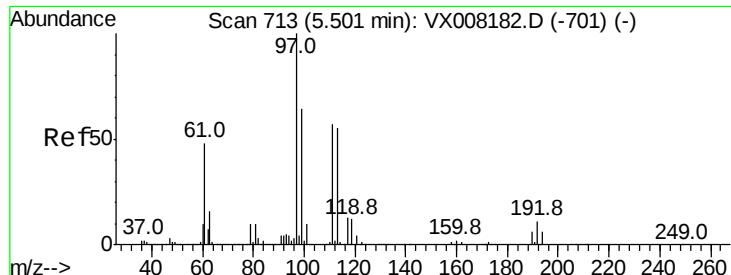
Ion Ratio Lower Upper

114 100

63 22.6 0.0 39.8

88 16.8 0.0 31.4





#35
Dibromofluoromethane
Concen: 94.230 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

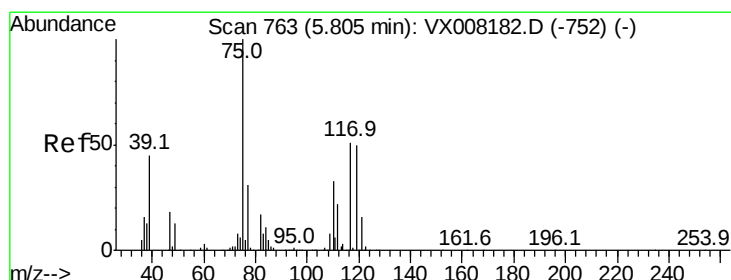
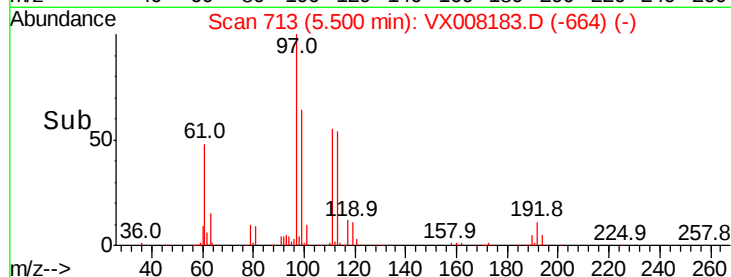
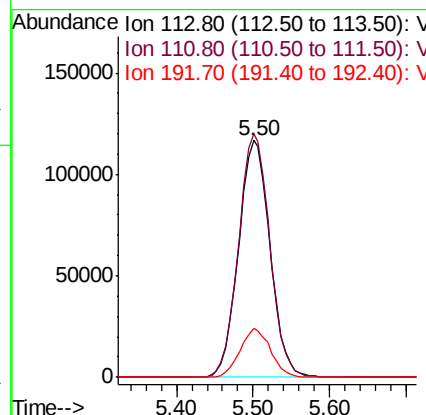
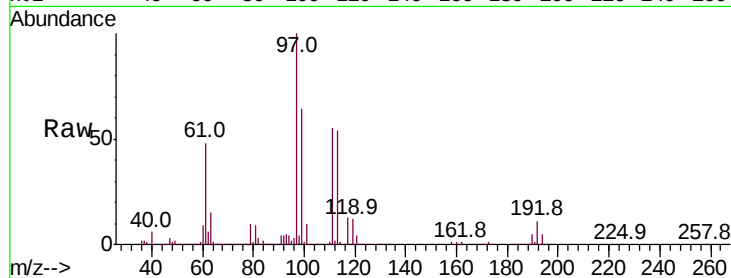
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	20.1	19.4	29.0

Manual Integrations
APPROVED

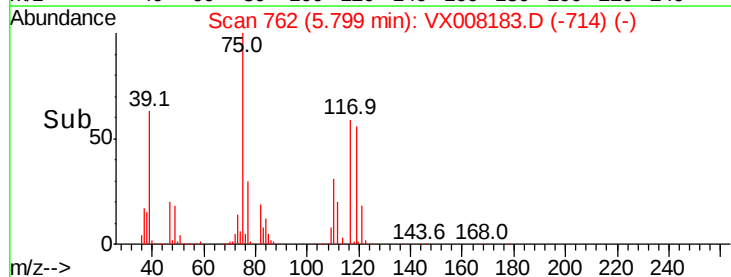
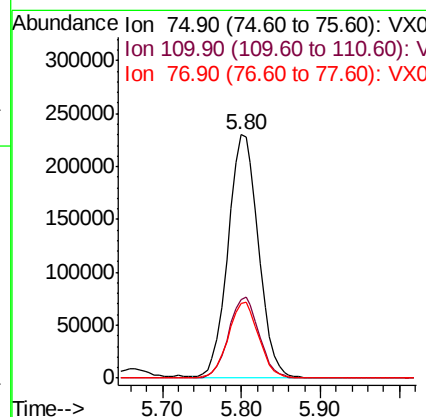
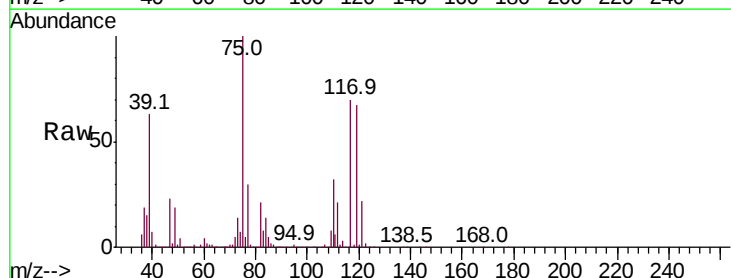
MMDadoda

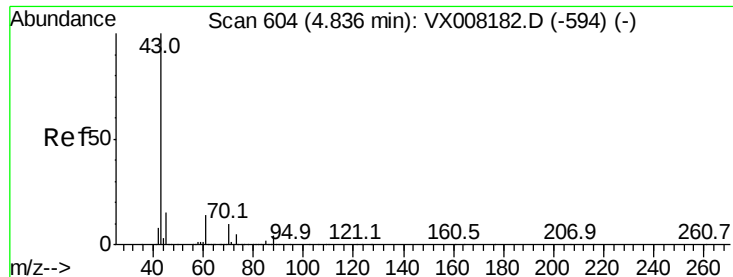
3/20/2019 10:28:11 AM



#36
1,1-Dichloropropene
Concen: 96.297 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.2	18.4	55.0
77	31.0	25.0	37.4





#37
Ethyl Acetate
Concen: 92.863 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

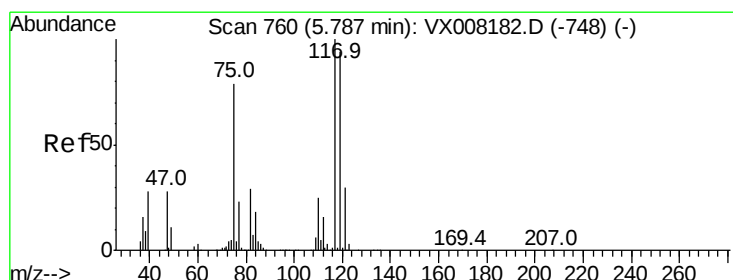
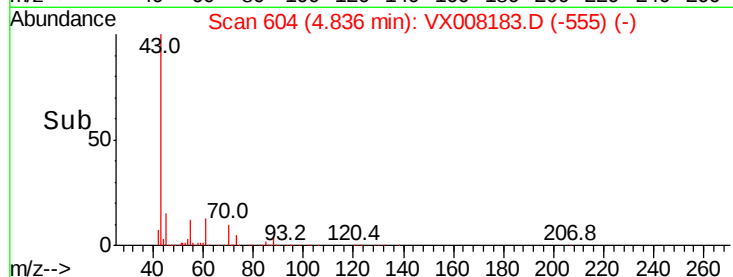
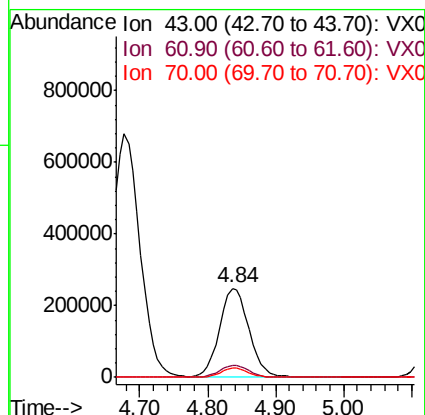
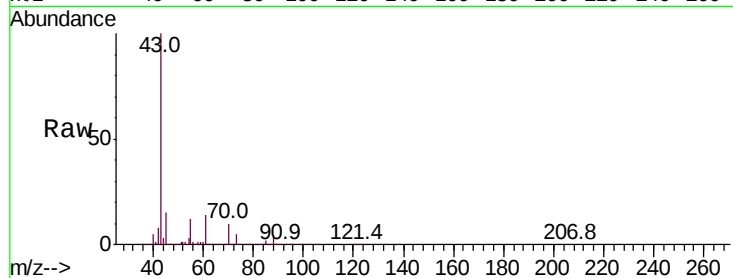
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	9.7	8.5	12.7

Manual Integrations
APPROVED

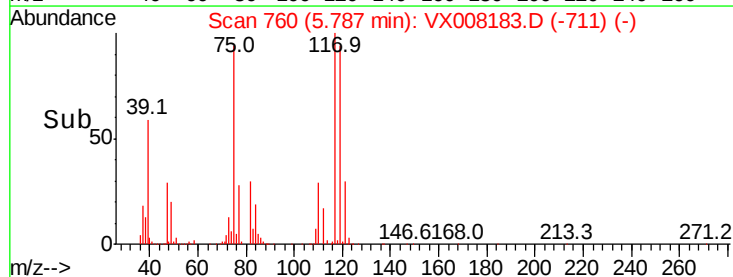
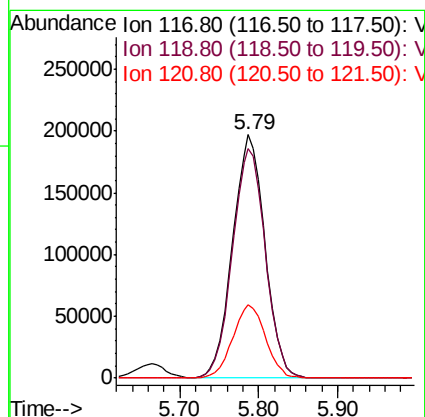
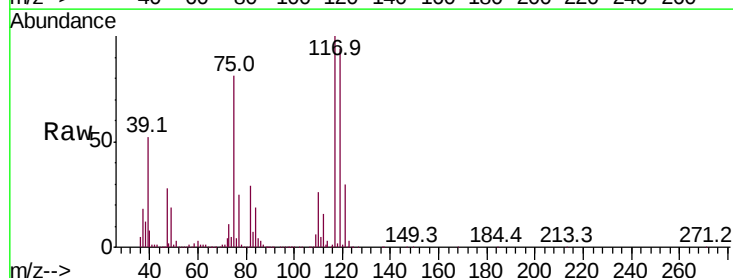
MMDadoda

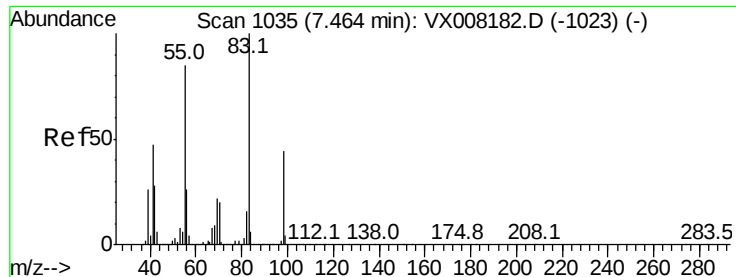
3/20/2019 10:28:11 AM



#38
Carbon Tetrachloride
Concen: 95.827 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.2	114.2
121	30.3	24.6	36.8





#39
Methvlcvclohexane
Concen: 94.369 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

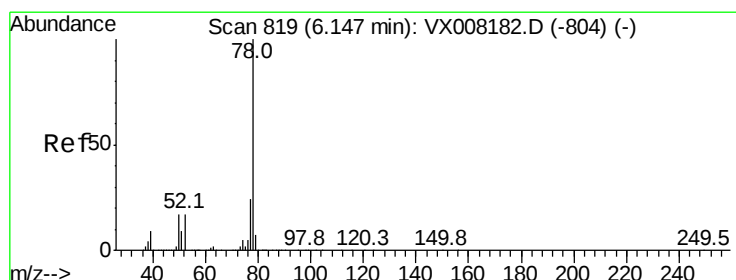
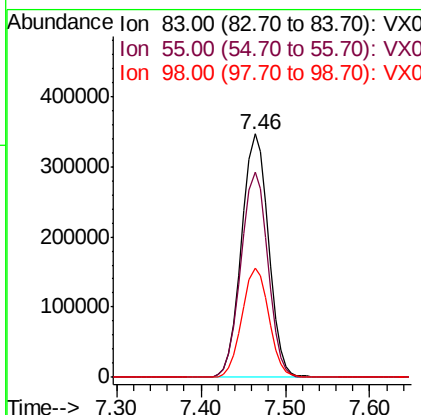
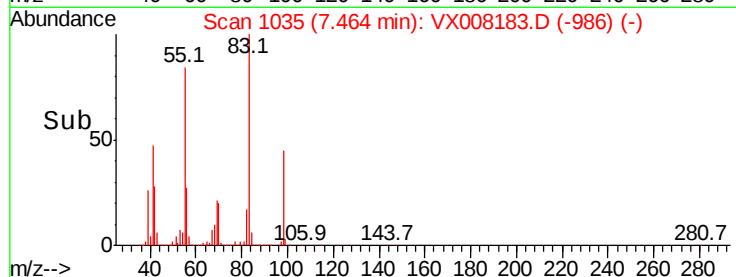
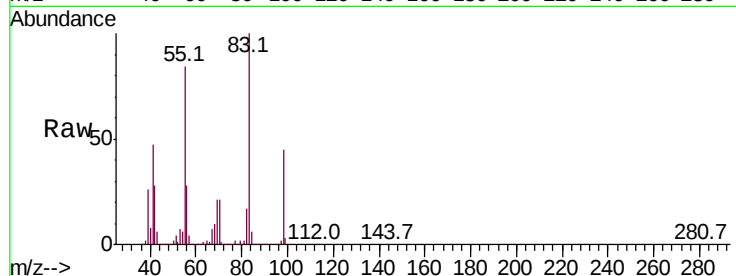
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.2	60.4	90.6
98	44.9	36.5	54.7

Manual Integrations
APPROVED

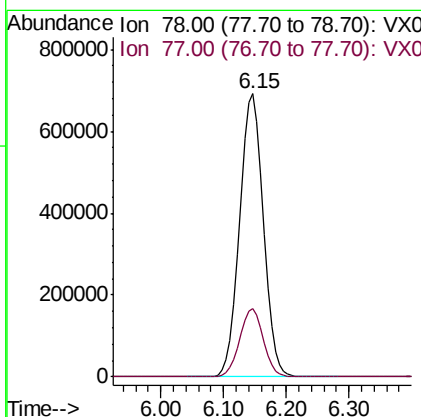
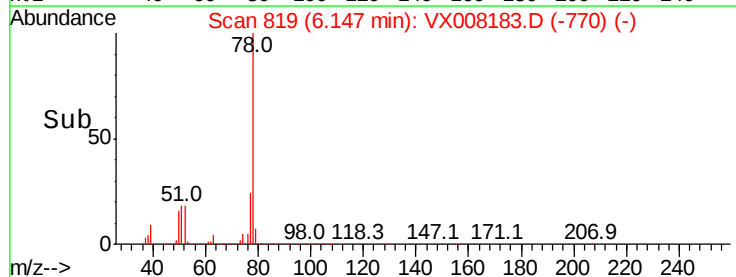
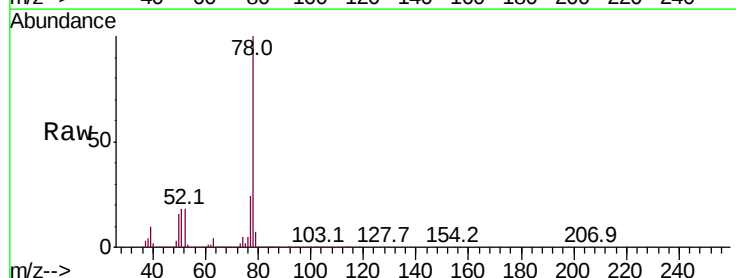
MMDadoda

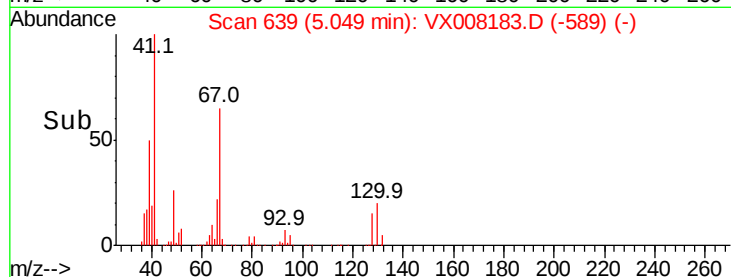
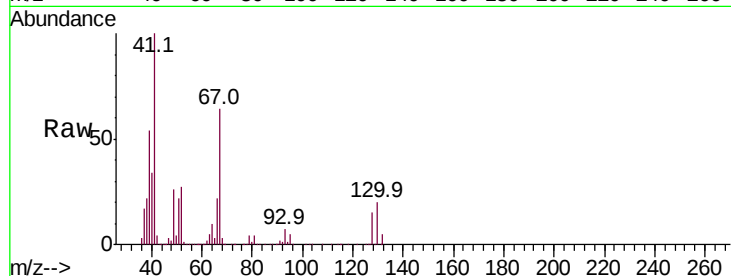
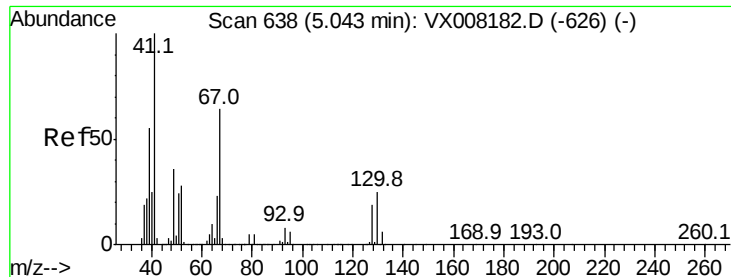
3/20/2019 10:28:11 AM



#40
Benzene
Concen: 94.456 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





#41
Methacrylonitrile
Concen: 93.363 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

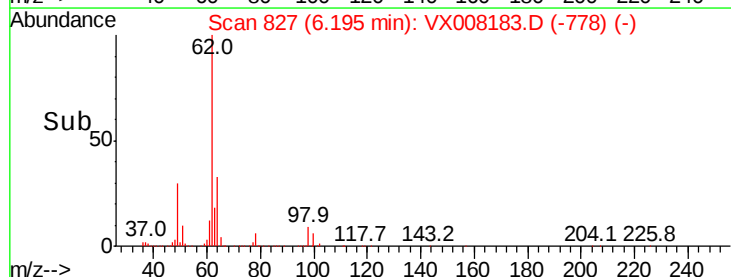
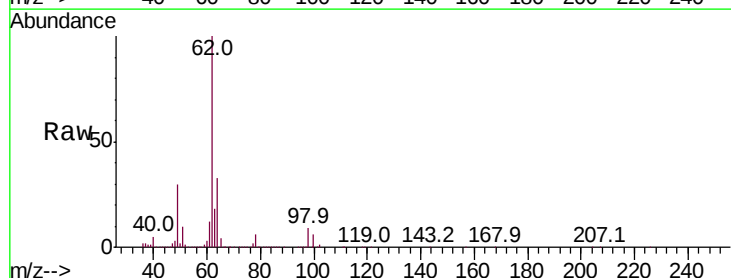
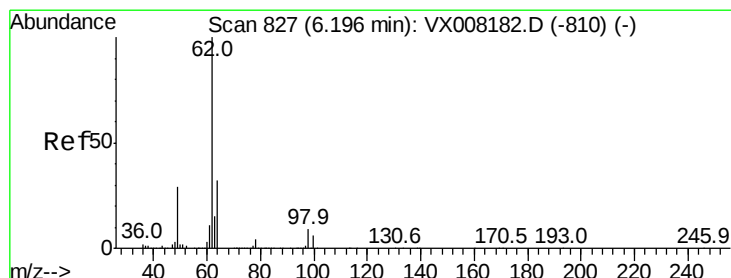
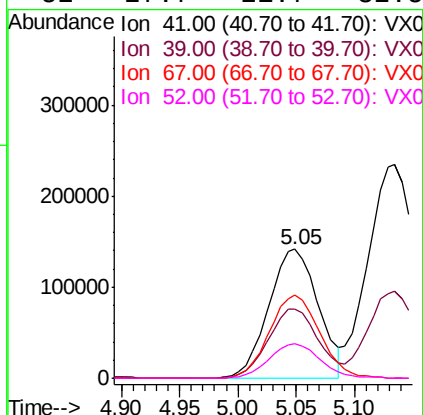
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		417152		
39	55.0	41.6	62.4		
67	65.8	55.8	83.6		
52	27.7	21.7	32.5		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

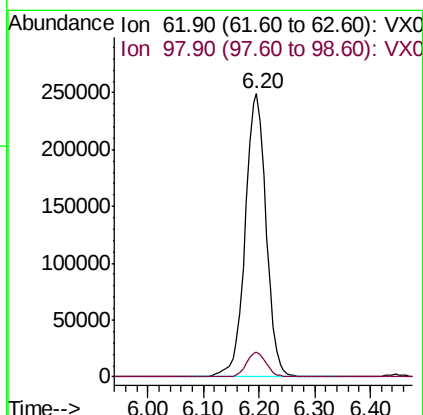
MMDadoda

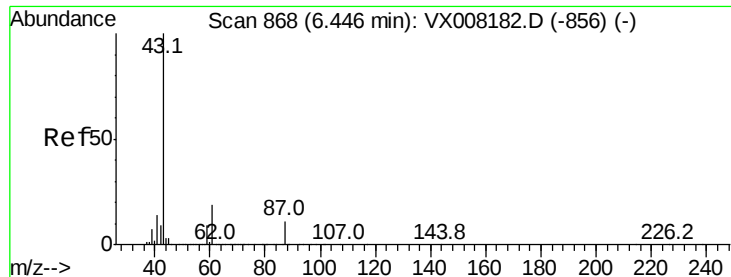
3/20/2019 10:28:11 AM



#42
1,2-Dichloroethane
Concen: 93.548 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		649599		
98	8.4	0.0	20.4		





#43

Isopropyl Acetate

Concen: 94.828 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1211828

Ion Ratio Lower Upper

43 100

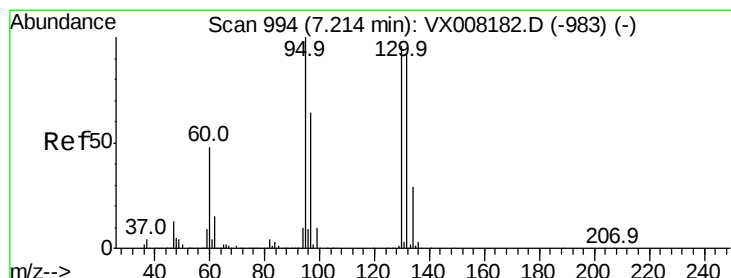
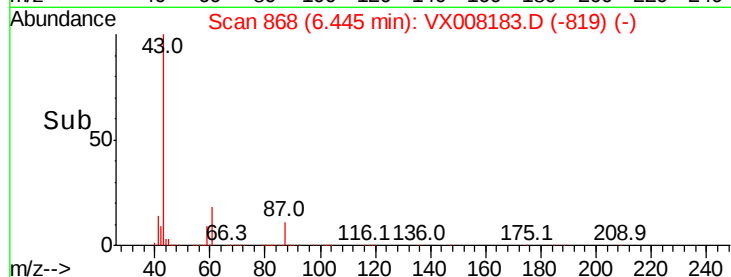
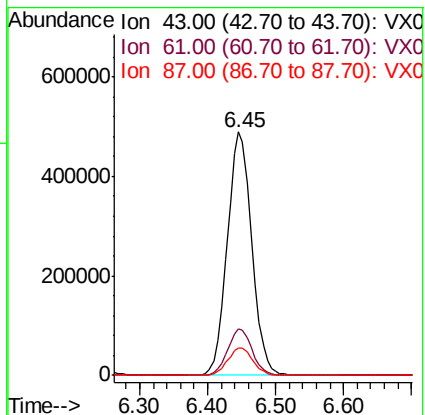
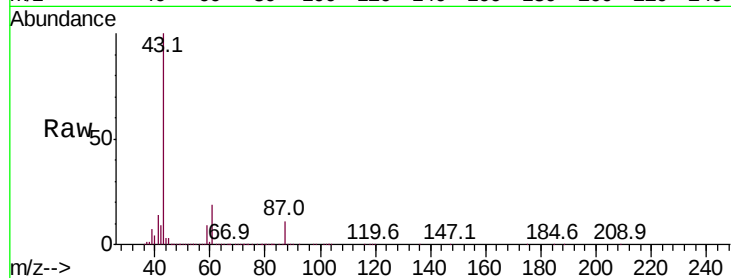
61 18.9 16.3 24.5

87 11.6 10.5 15.7

Manual Integrations
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MMDadoda

3/20/2019 10:28:11 AM



#44

Trichloroethene

Concen: 95.650 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008183.D

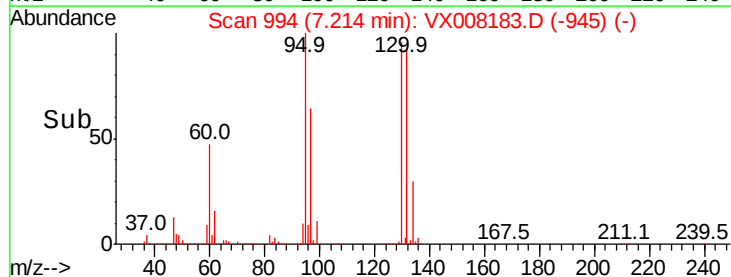
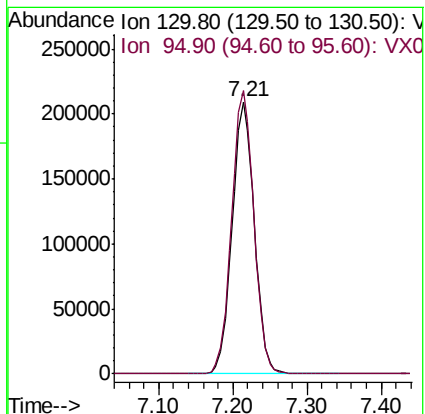
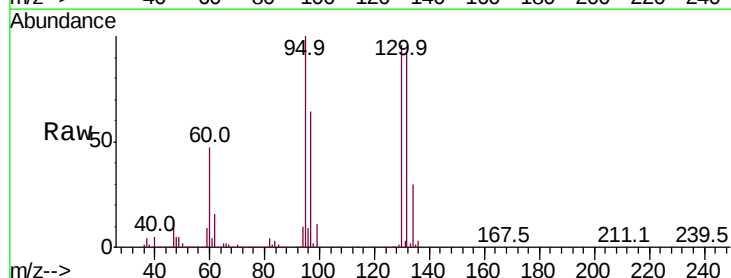
Acq: 19 Mar 2019 11:33

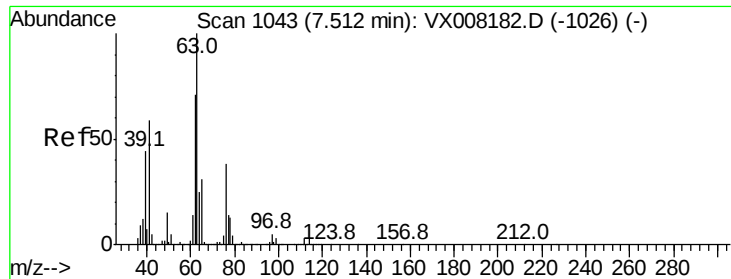
Tgt Ion:130 Resp: 437025

Ion Ratio Lower Upper

130 100

95 104.0 0.0 188.0





#45
 1,2-Dichloropropane
 Concen: 96.199 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

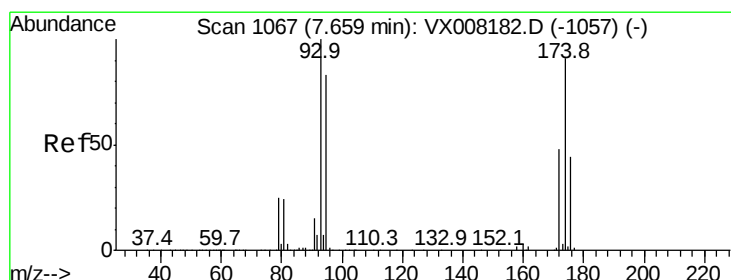
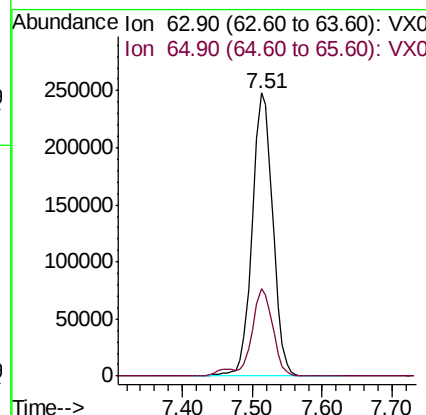
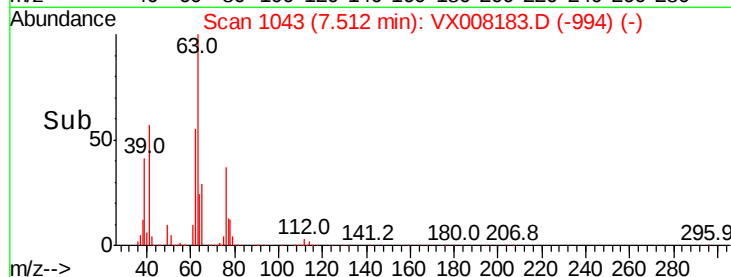
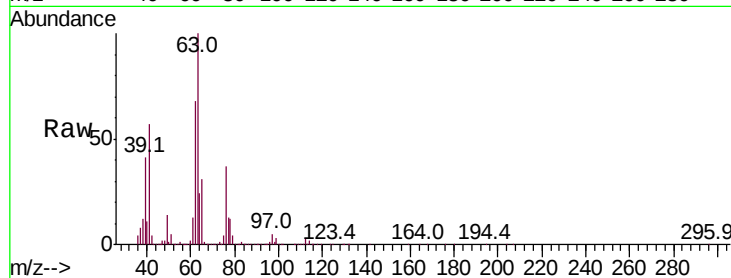
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 507854
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1

Manual Integrations
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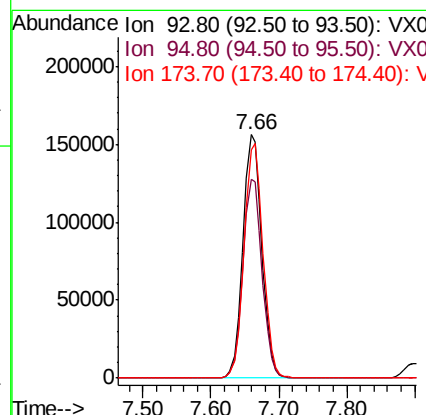
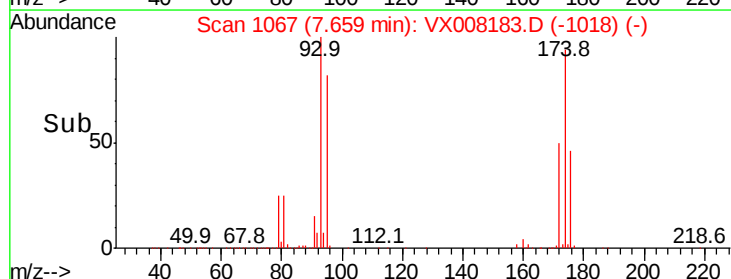
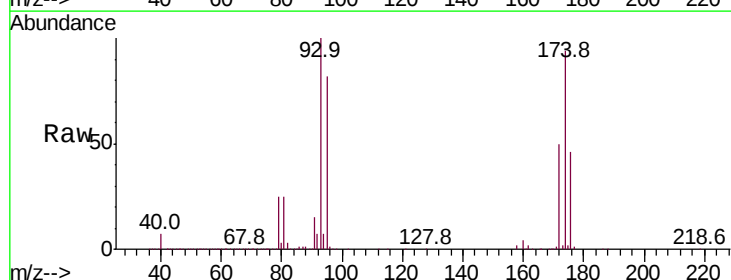
MMDadoda

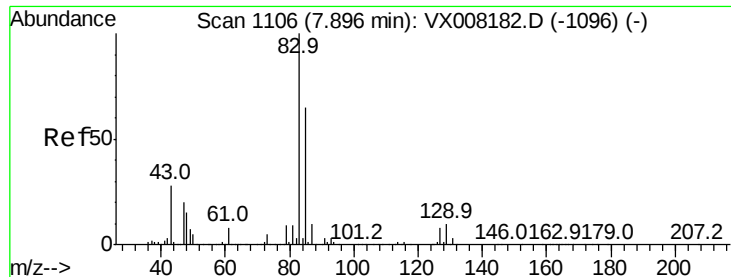
3/20/2019 10:28:11 AM



#46
 Dibromomethane
 Concen: 94.489 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

Tgt Ion: 93 Resp: 301062
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 96.4 97.3 145.9#





#47

Bromodichloromethane

Concen: 95.942 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

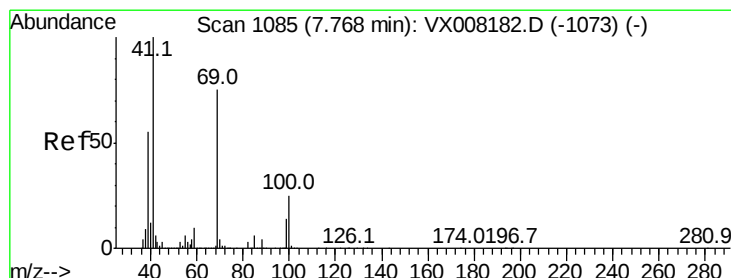
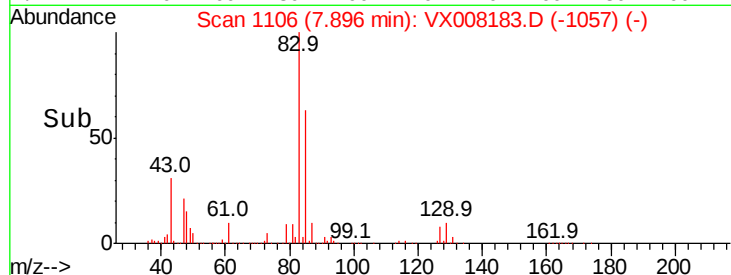
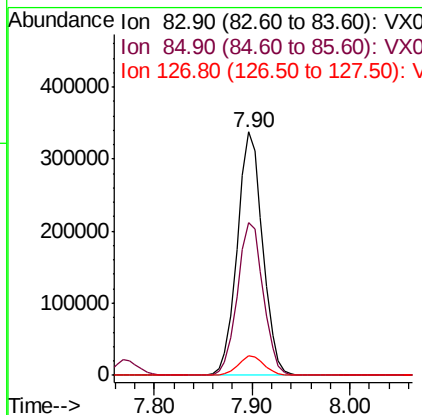
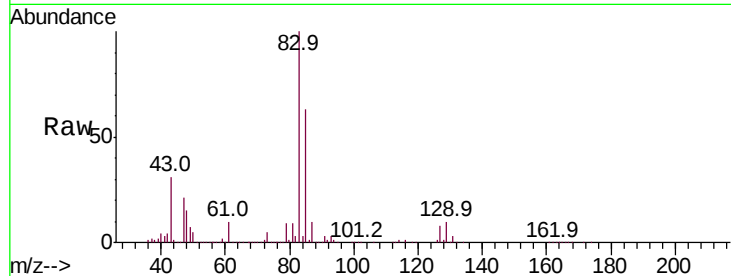
VSTDIC100

Tot Ion:	83	Resp:	605189
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	7.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 93.926 ug/l

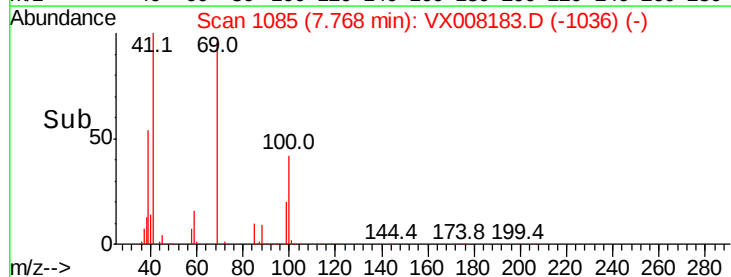
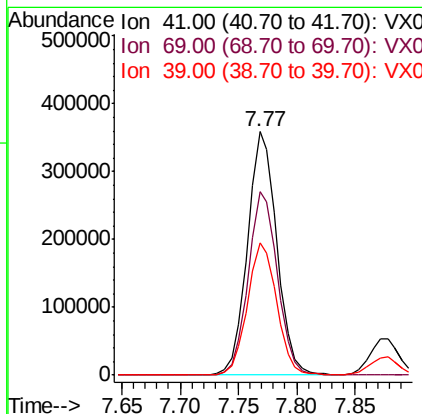
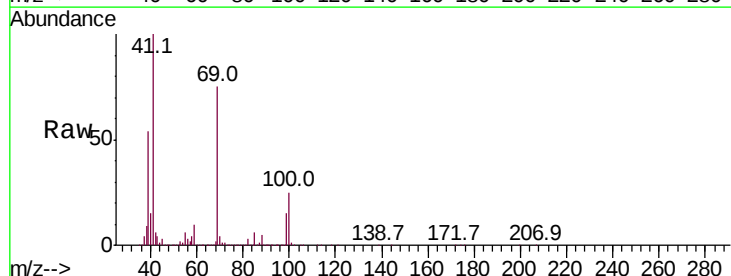
RT: 7.77 min Scan# 1085

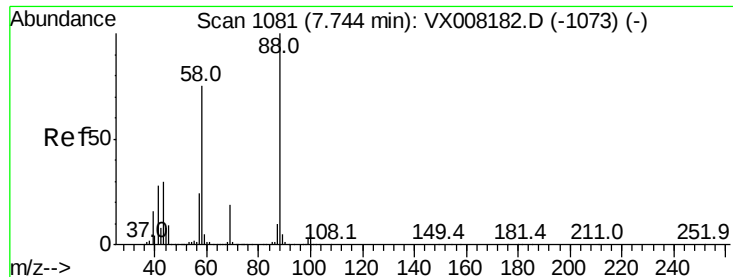
Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Tgt Ion:	41	Resp:	631341
Ion	Ratio	Lower	Upper
41	100		
69	75.6	65.2	97.8
39	54.5	39.4	59.2





#49
1,4-Dioxane
Concen: 1866.549 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

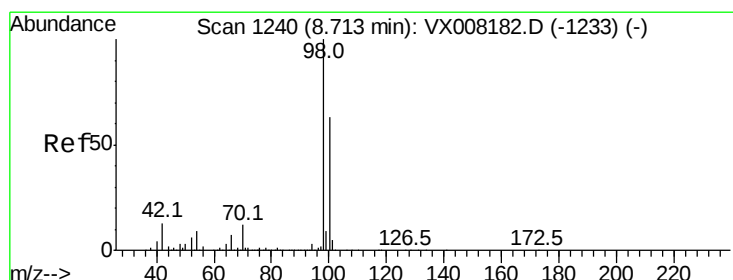
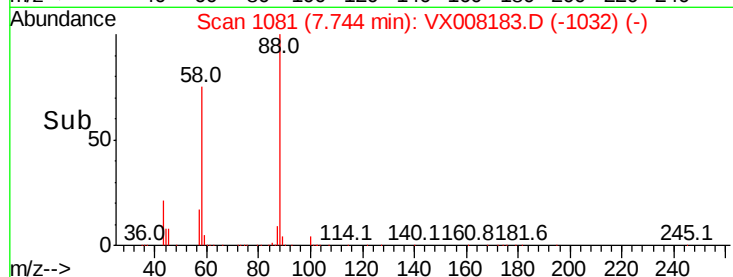
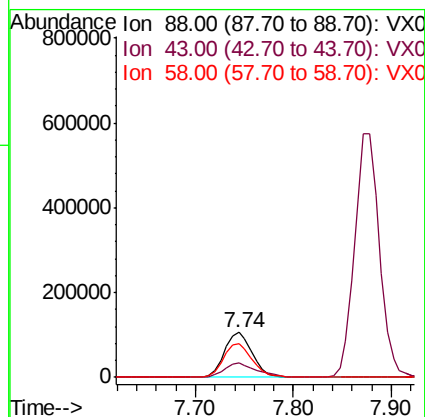
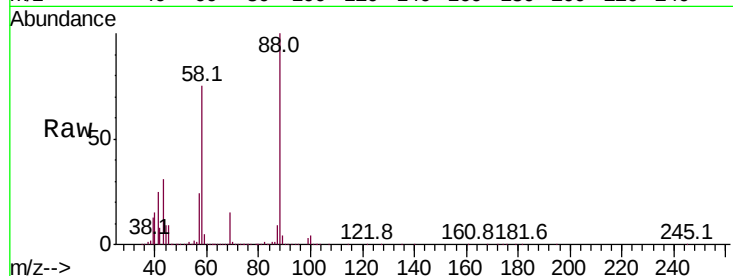
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	25.1	37.7
58	78.5	57.8	86.6

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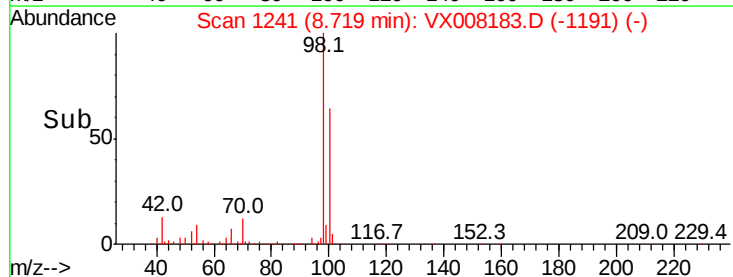
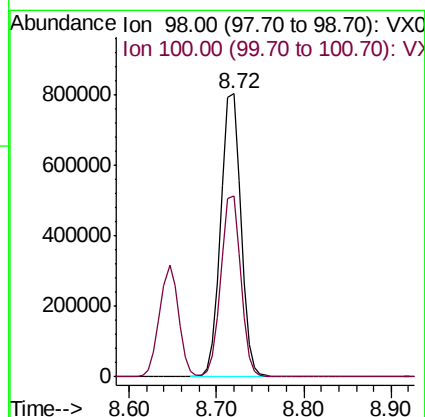
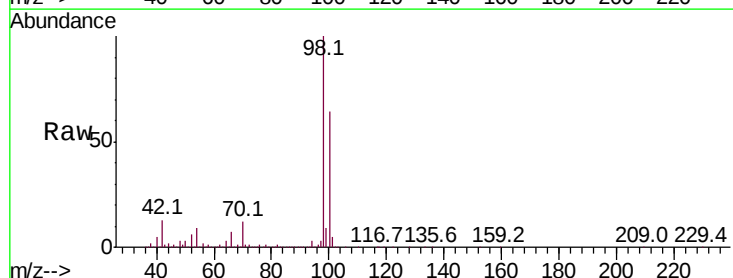
MMDadoda

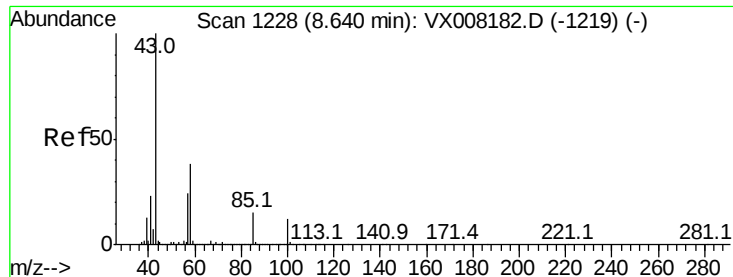
3/20/2019 10:28:11 AM



#50
Toluene-d8
Concen: 94.227 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 458.212 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 3733216

Ion Ratio Lower Upper

43 100

58 37.9

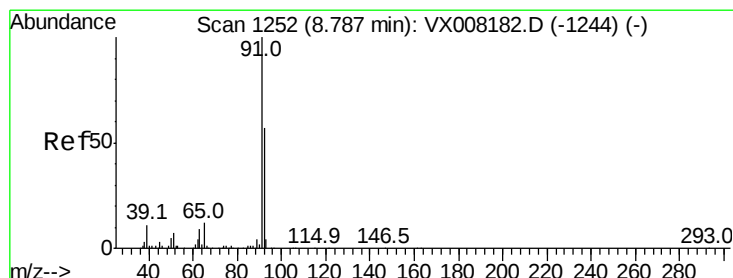
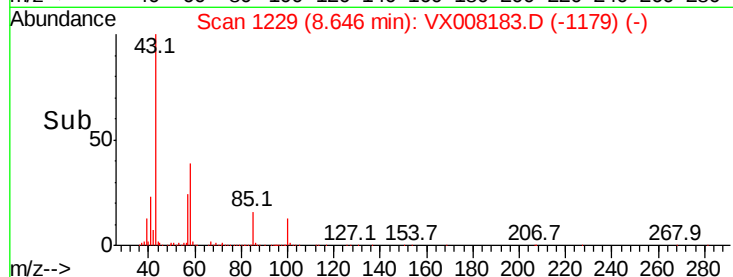
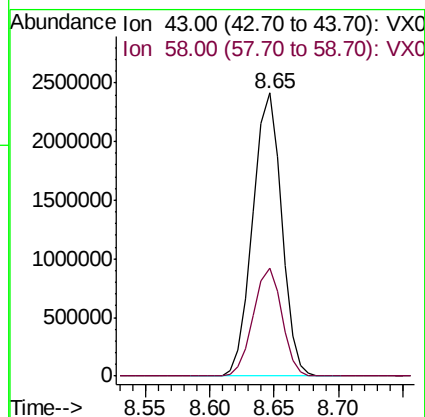
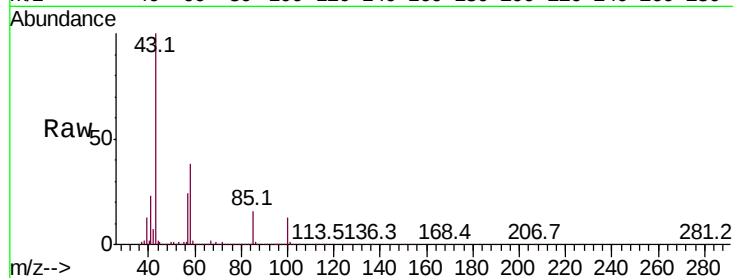
31.3

46.9

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#52

Toluene

Concen: 95.184 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Tgt Ion: 92 Resp: 1075331

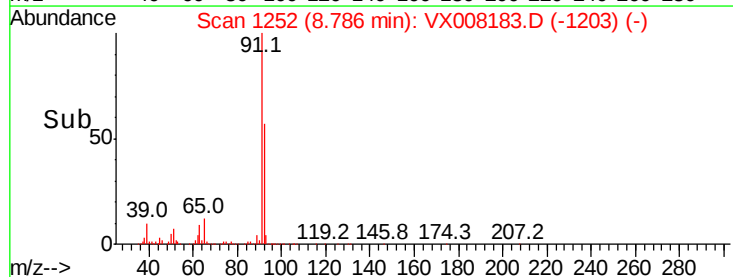
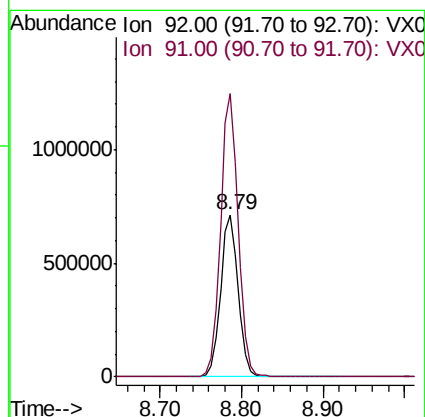
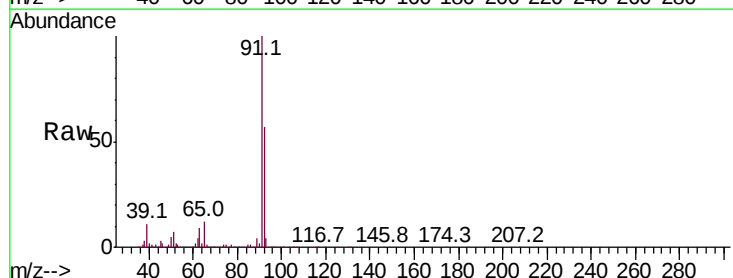
Ion Ratio Lower Upper

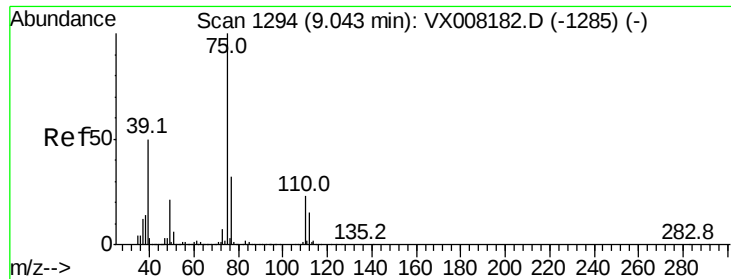
92 100

91 174.9

137.4

206.0





#53

t-1,3-Dichloropropene

Concen: 98.089 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 714137

Ion Ratio Lower Upper

75 100

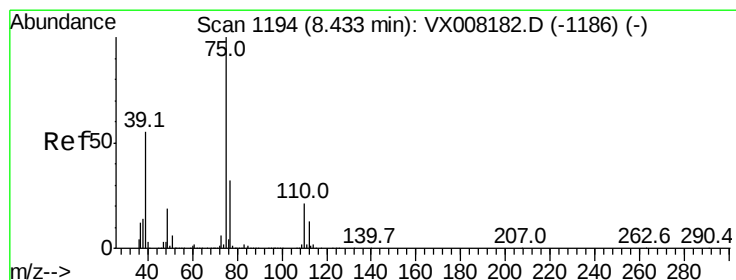
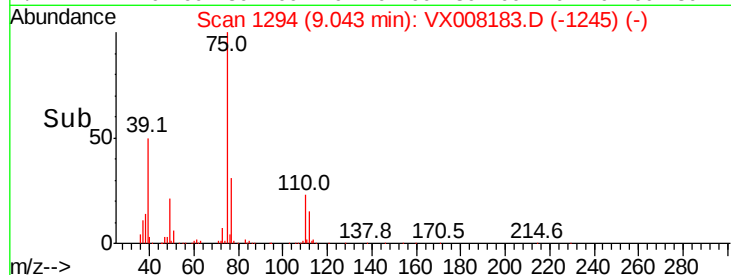
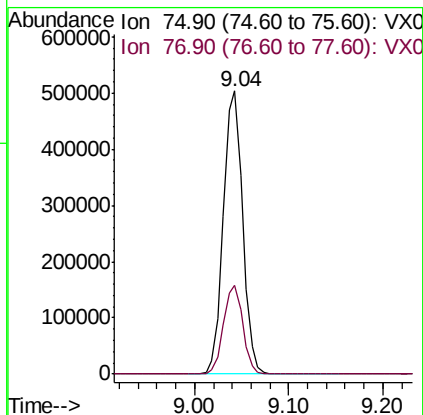
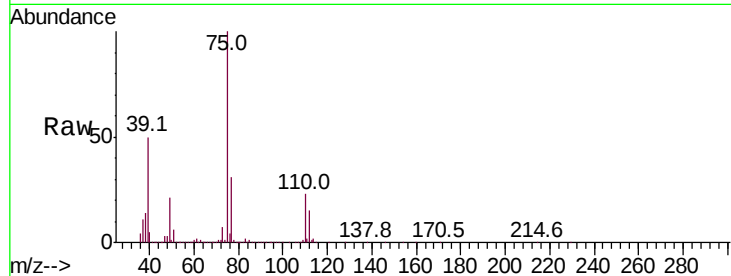
77 31.3 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 96.548 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

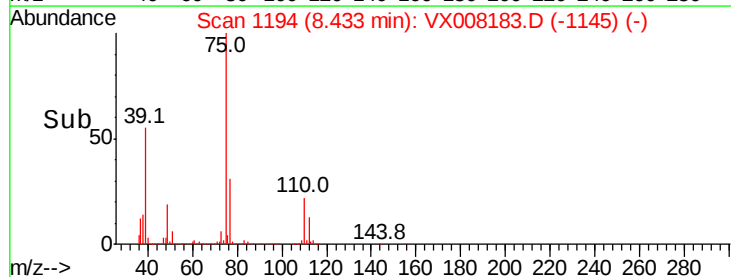
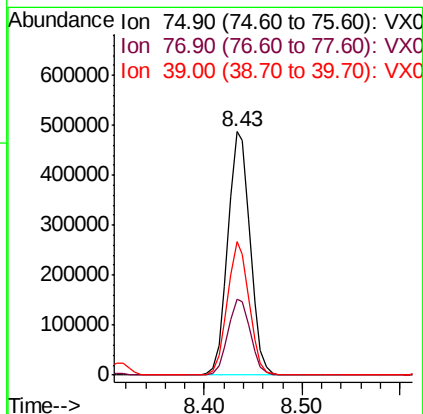
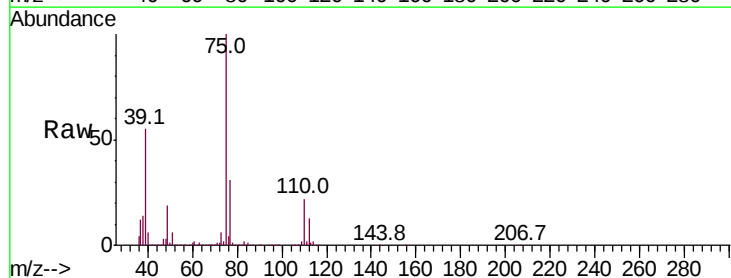
Tgt Ion: 75 Resp: 767944

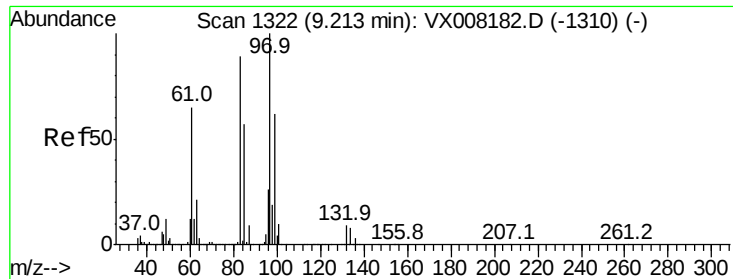
Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6

39 54.9 36.6 54.8#





#55
 1,1,2-Trichloroethane
 Concen: 91.795 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

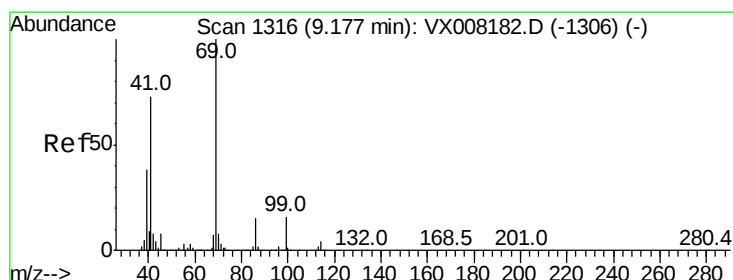
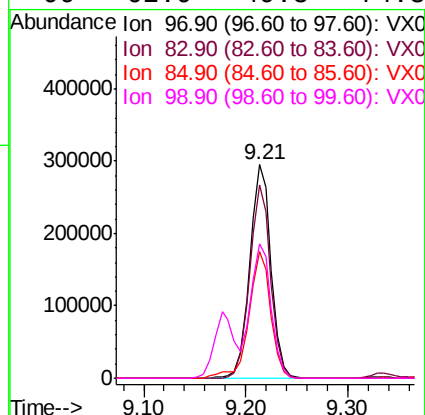
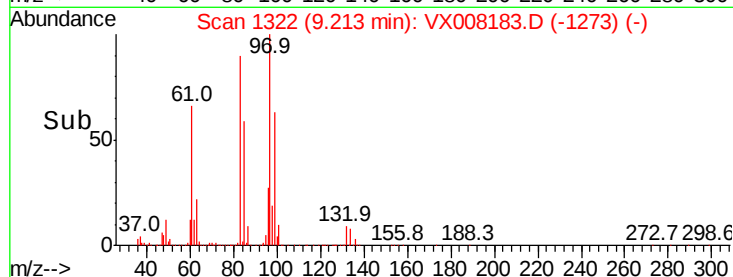
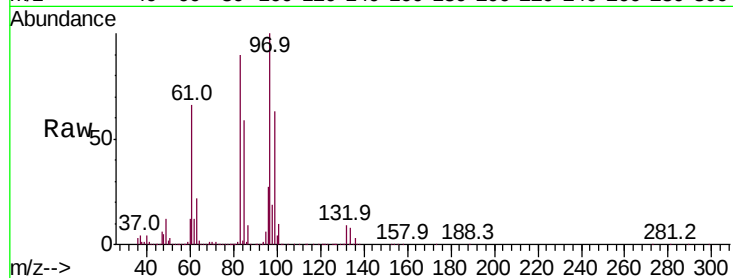
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.1	103.7
85	59.3	44.3	66.5
99	62.9	49.8	74.8

Manual Integrations
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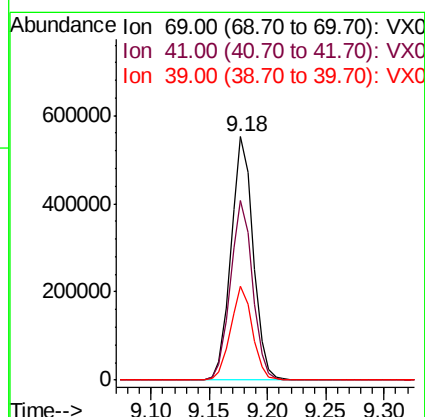
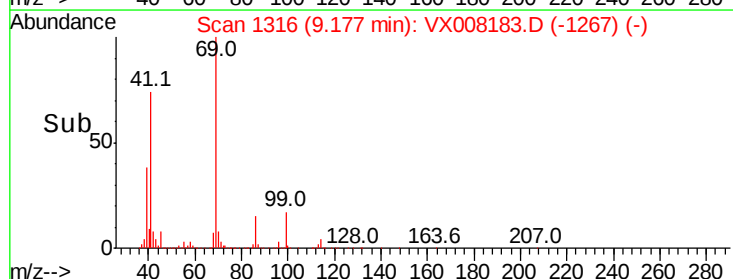
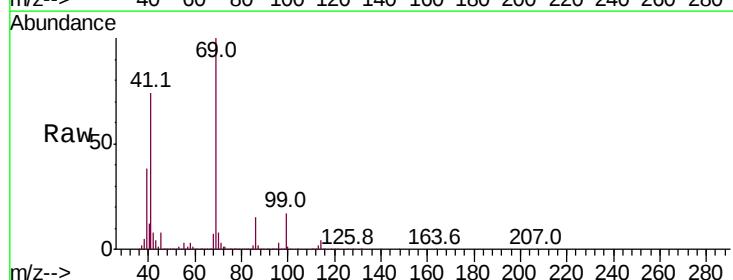
MMDadoda

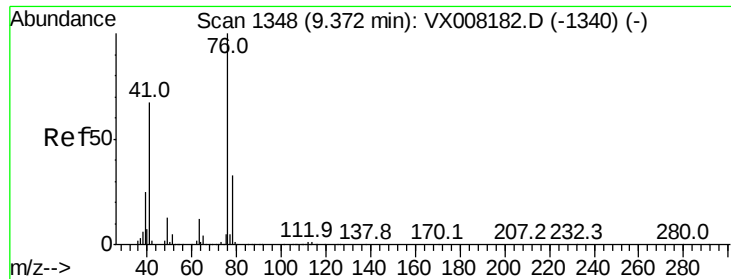
3/20/2019 10:28:11 AM



#56
 Ethyl methacrylate
 Concen: 93.756 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.5	54.2	81.4
39	38.0	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 93.822 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 771226

Ion Ratio Lower Upper

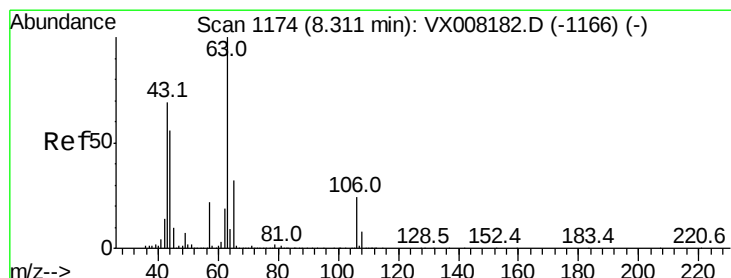
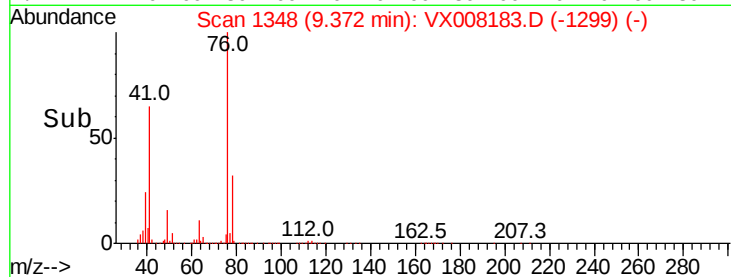
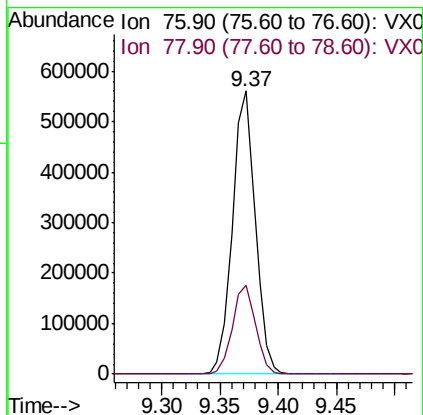
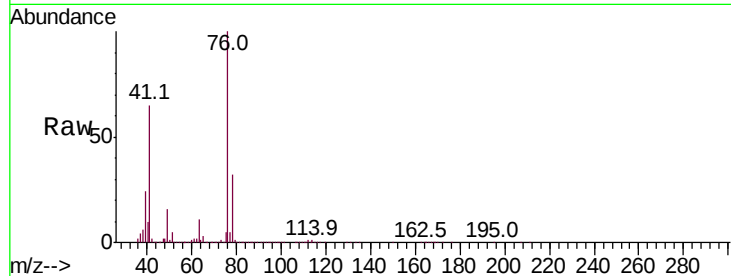
76 100

78 31.8 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 479.150 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008183.D

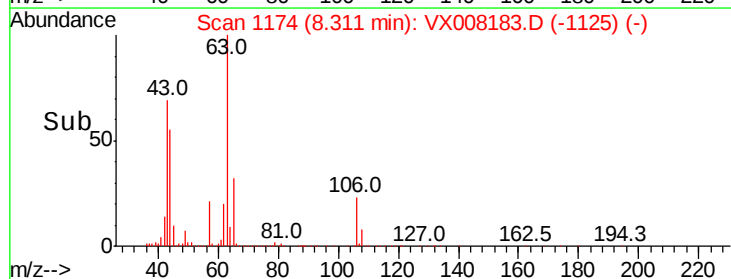
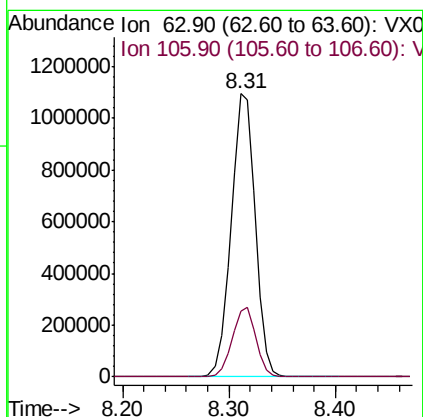
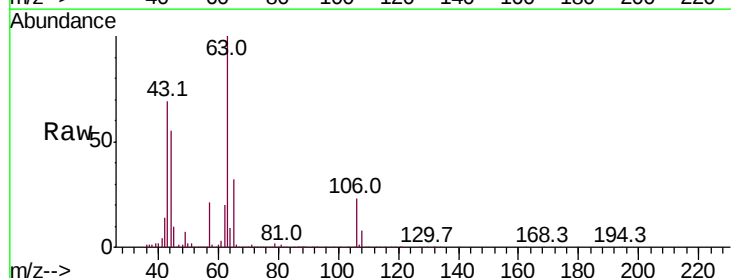
Acq: 19 Mar 2019 11:33

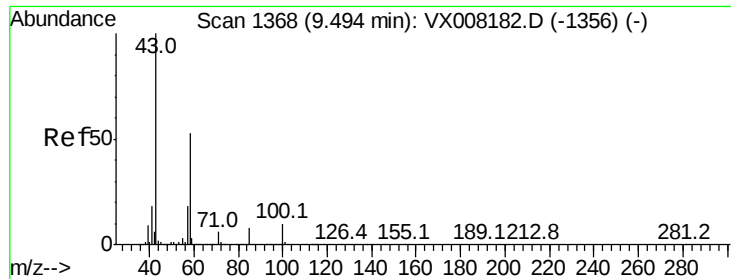
Tgt Ion: 63 Resp: 1738968

Ion Ratio Lower Upper

63 100

106 24.2 22.2 33.2





#59
2-Hexanone
Concen: 460.654 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

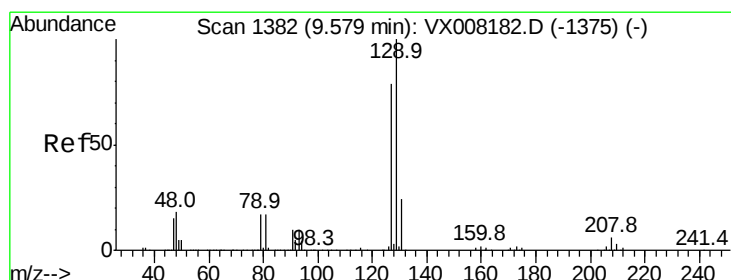
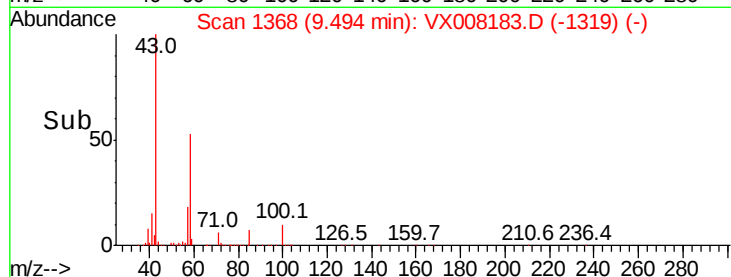
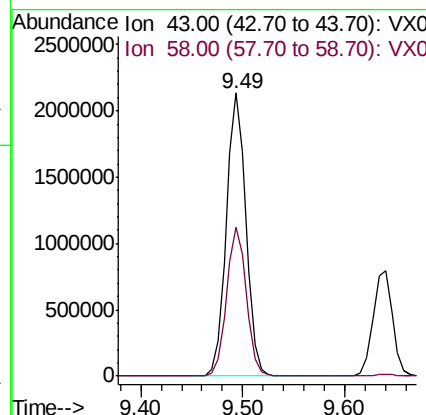
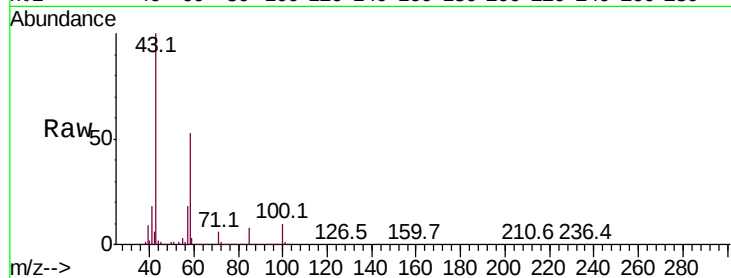
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2861079
Ion Ratio Lower Upper
43 100
58 52.7 27.6 82.7

Manual Integrations
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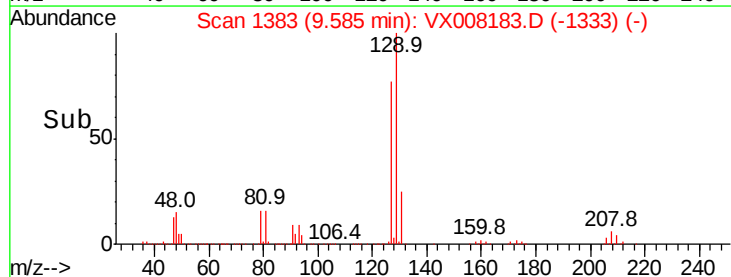
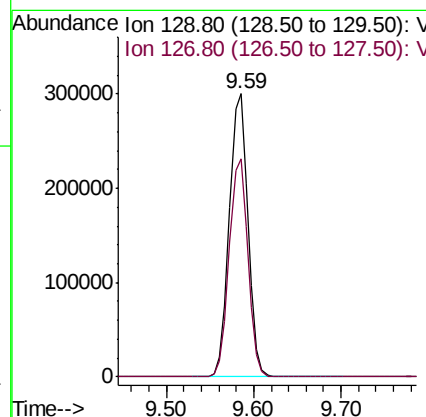
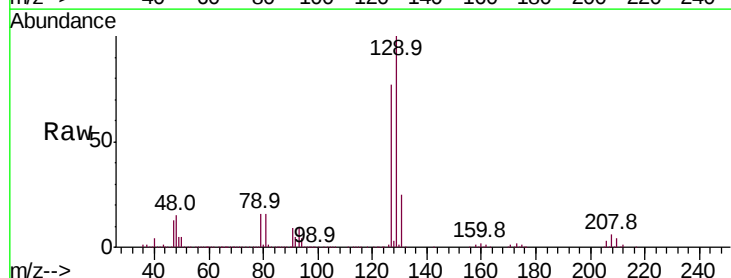
MMDadoda

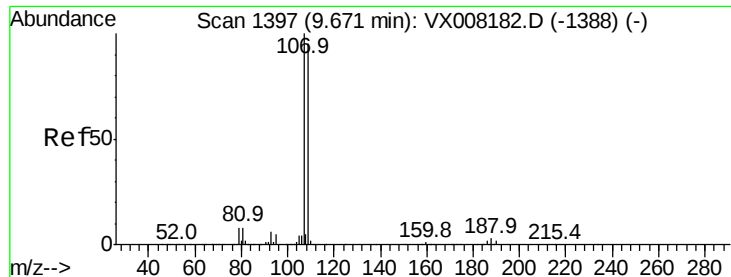
3/20/2019 10:28:11 AM



#60
Dibromochloromethane
Concen: 95.557 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion: 129 Resp: 441225
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#61
 1,2-Dibromoethane
 Concen: 93.752 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

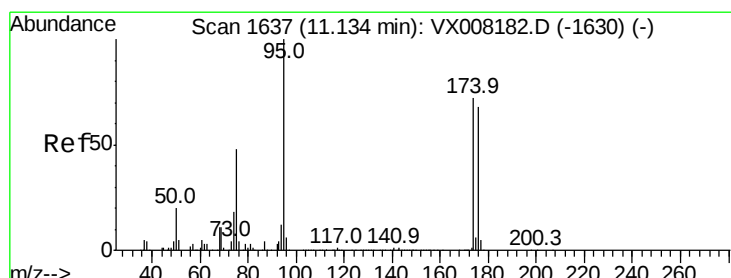
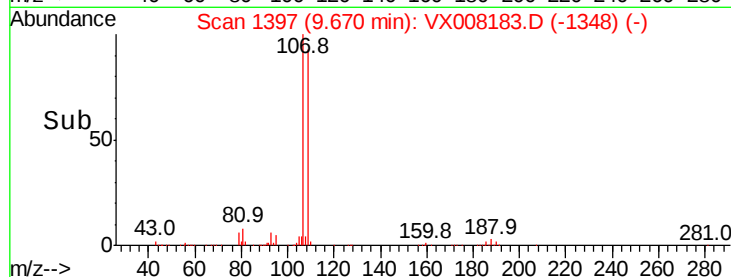
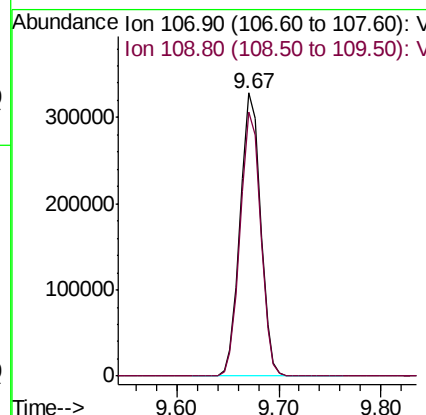
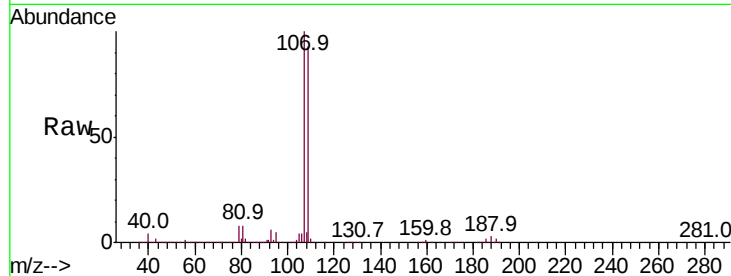
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.8

Manual Integrations
 APPROVED

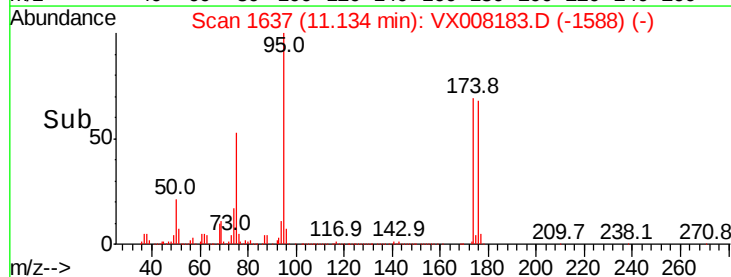
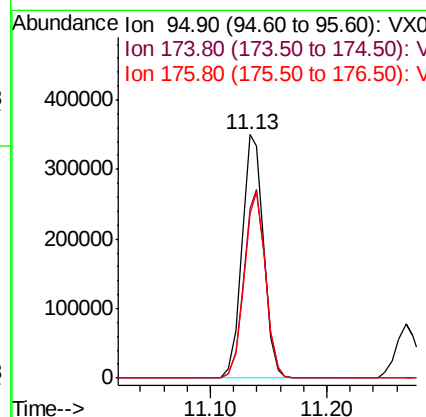
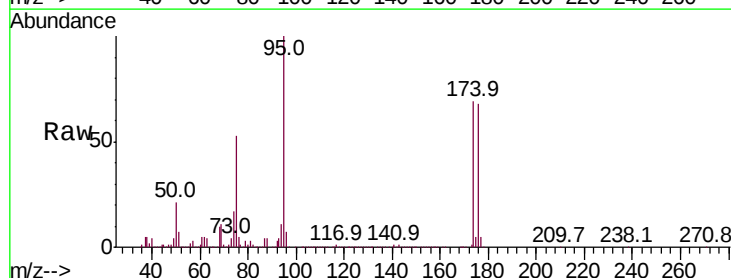
MMDadoda

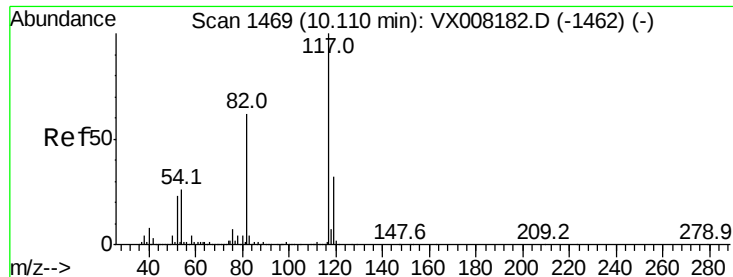
3/20/2019 10:28:11 AM



#62
 4-Bromofluorobenzene
 Concen: 94.554 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	182.8
176	75.5	0.0	178.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

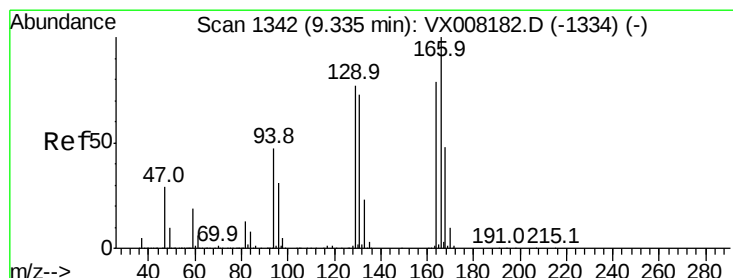
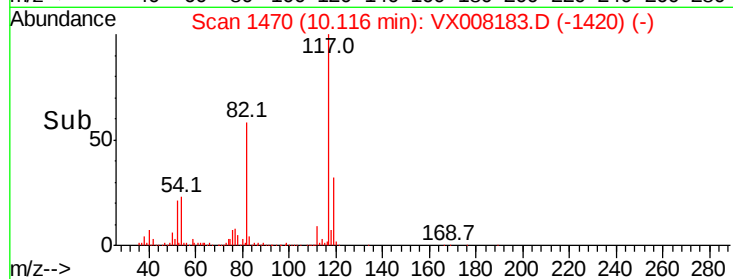
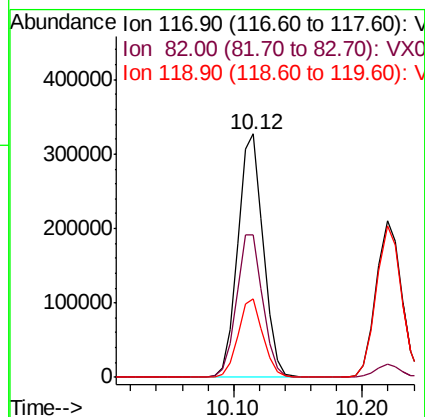
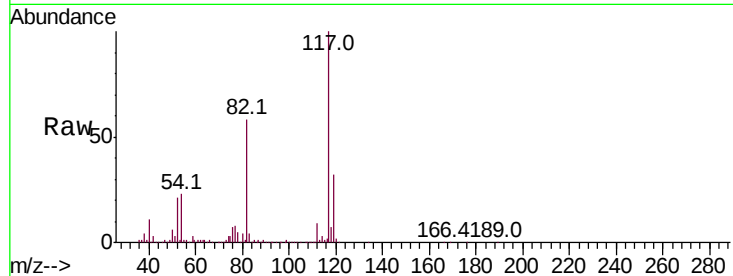
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	58.3	44.3	66.5
119	32.2	25.3	37.9

Manual Integrations
APPROVED

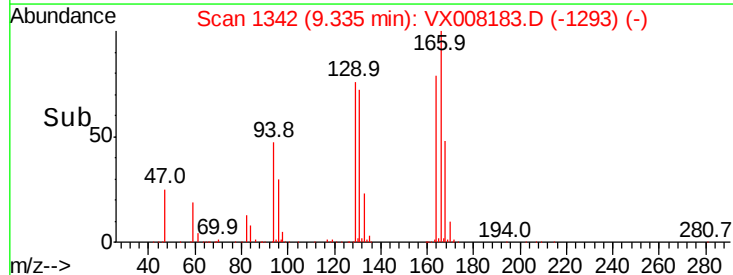
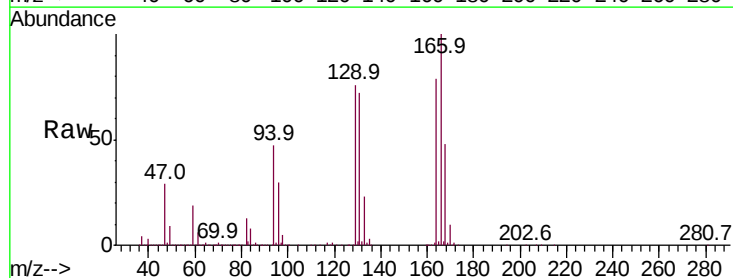
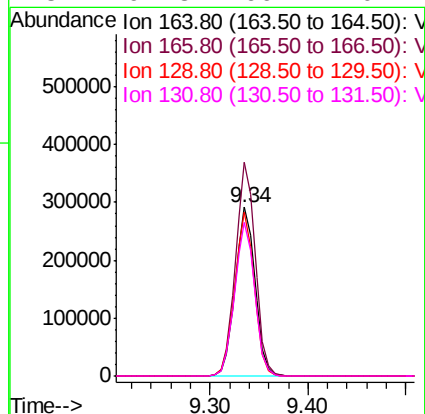
MMDadoda

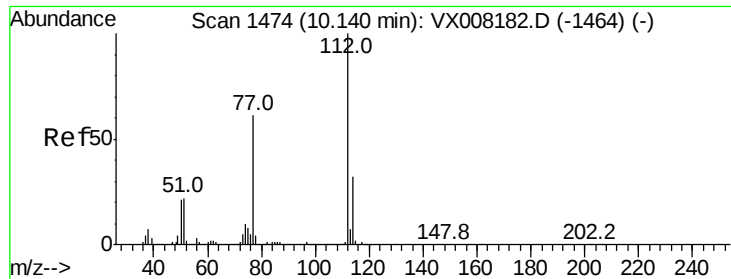
3/20/2019 10:28:11 AM



#64
Tetrachloroethene
Concen: 94.951 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	126.5	103.4	155.0
129	96.7	72.2	108.4
131	91.3	69.4	104.2





#65
Chlorobenzene
Concen: 94.428 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

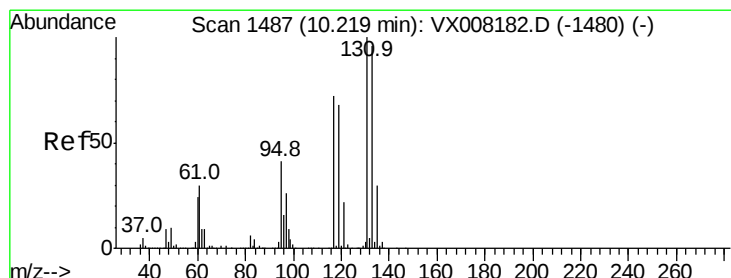
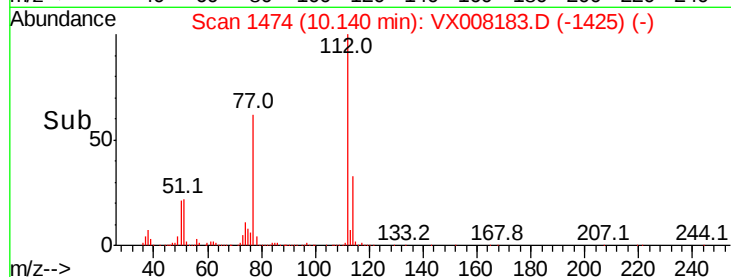
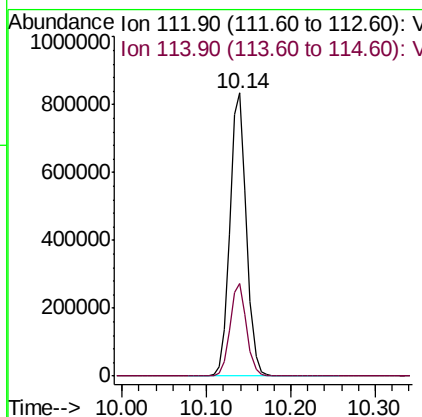
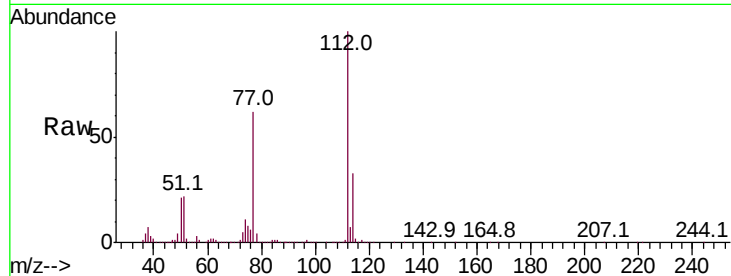
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 1115612
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

Manual Integrations
APPROVED

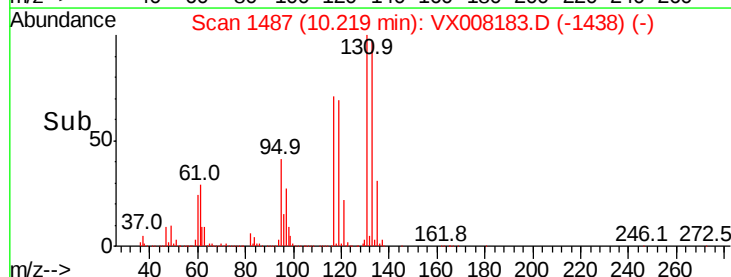
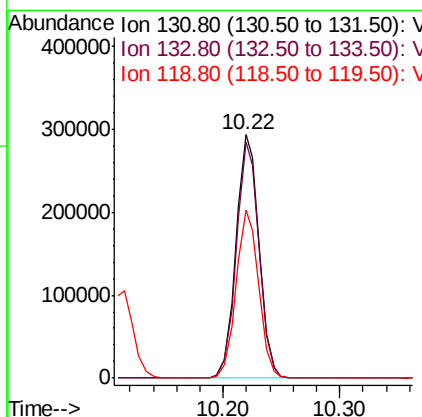
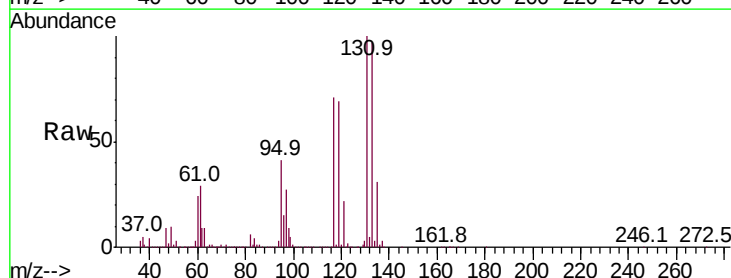
MMDadoda

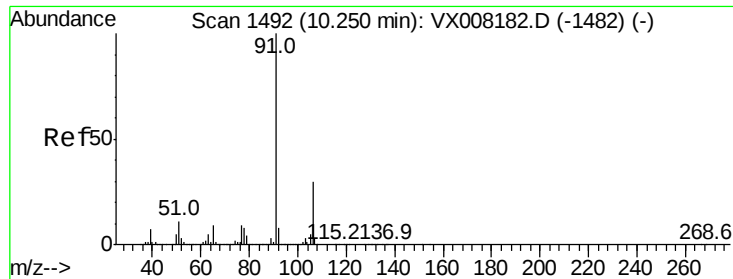
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#66
1,1,1,2-Tetrachloroethane
Concen: 94.757 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion:131 Resp: 401321
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 68.0 32.5 97.5





#67
Ethyl Benzene
Concen: 95.168 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

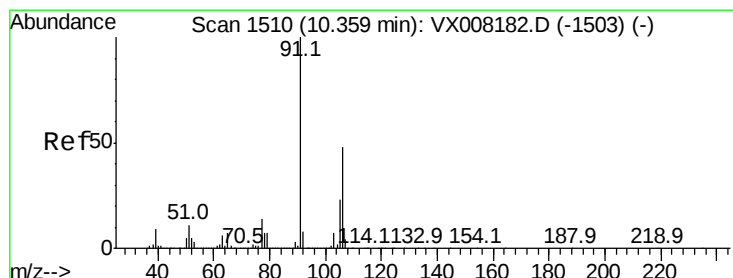
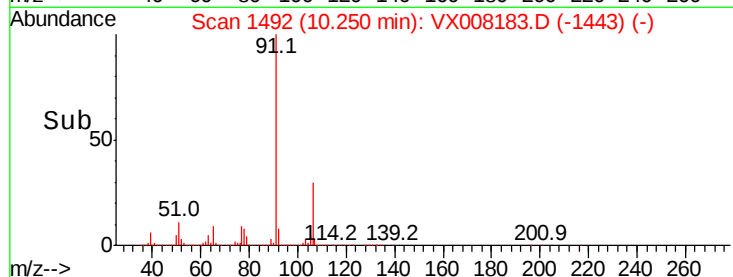
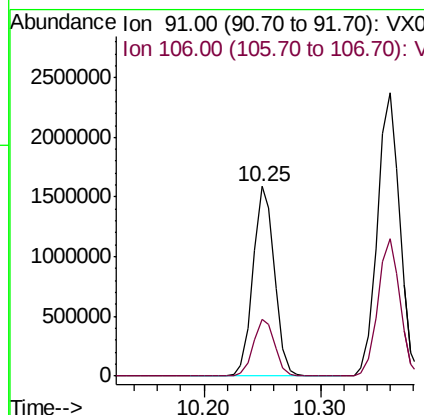
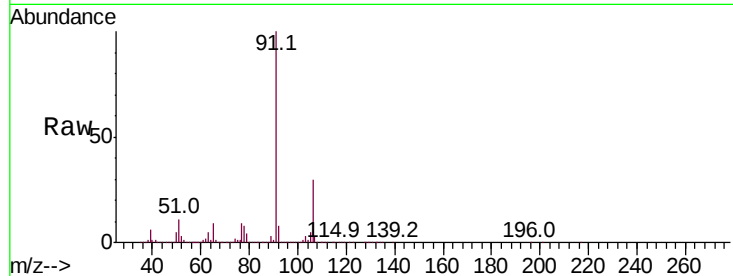
Instrument :
MSVOA_X
ClientSampleID :
VSTDIC100

Tot Ion: 91 Resp: 2047137
Ion Ratio Lower Upper
91 100
106 30.0 25.2 37.8

Manual Integrations
APPROVED

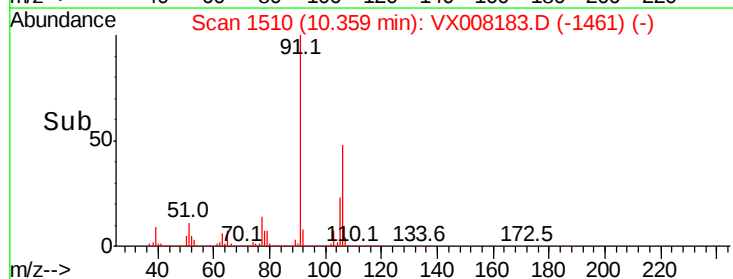
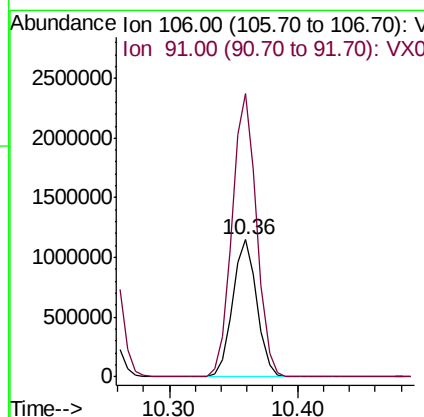
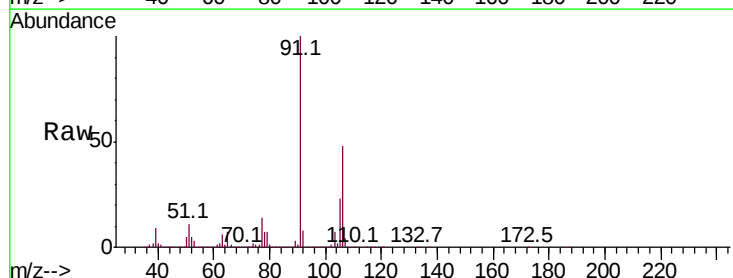
MMDadoda

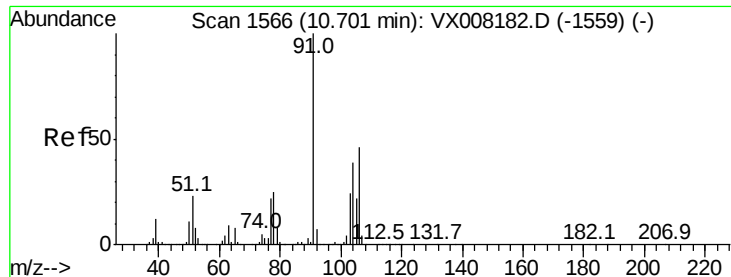
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#68
m/p-Xylenes
Concen: 192.455 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion: 106 Resp: 1518654
Ion Ratio Lower Upper
106 100
91 208.2 159.8 239.6





#69
o-Xylene
Concen: 95.185 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

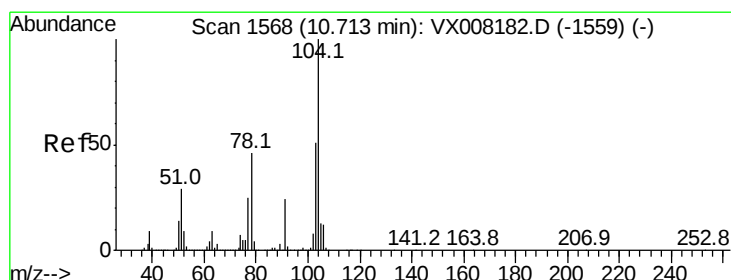
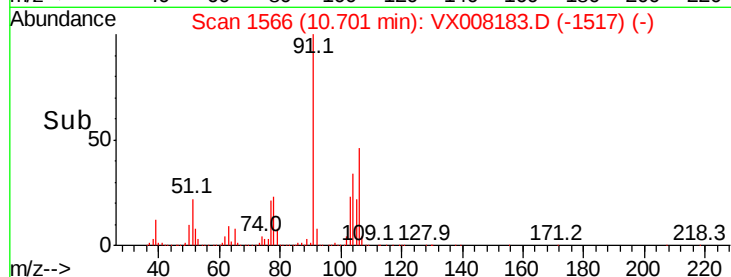
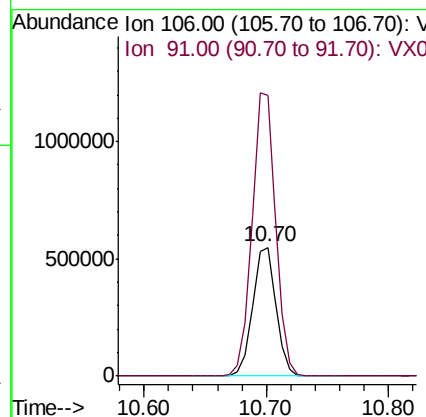
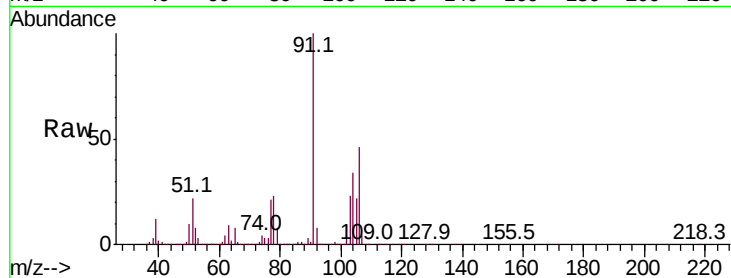
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.4	106.3	318.9

Manual Integrations
APPROVED

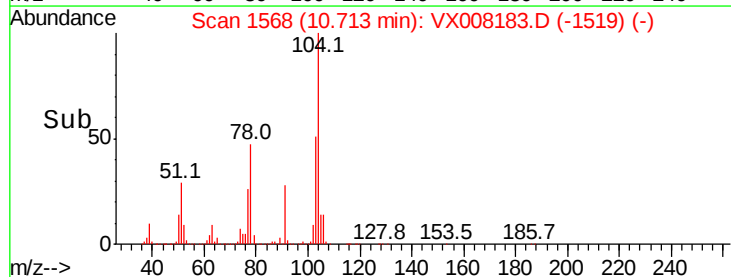
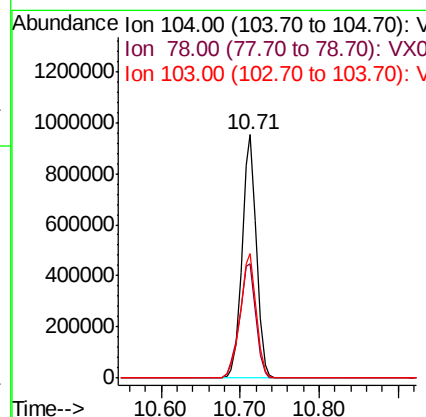
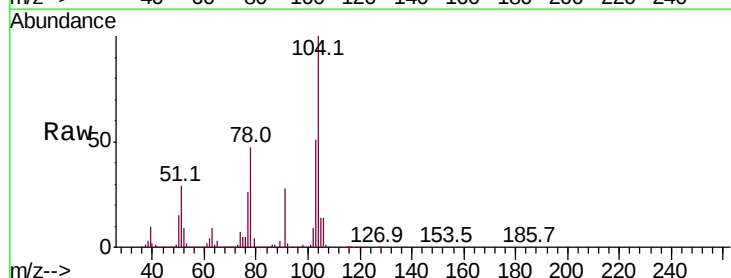
MMDadoda

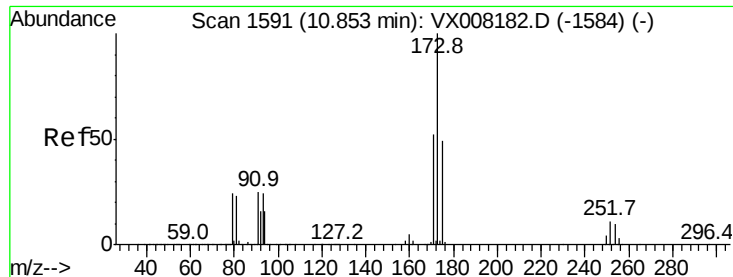
3/20/2019 10:28:11 AM



#70
Styrene
Concen: 95.685 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.8	38.5	57.7
103	56.4	44.1	66.1





#71

Bromoform

Concen: 98.674 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 325858

Ion Ratio Lower Upper

173 100

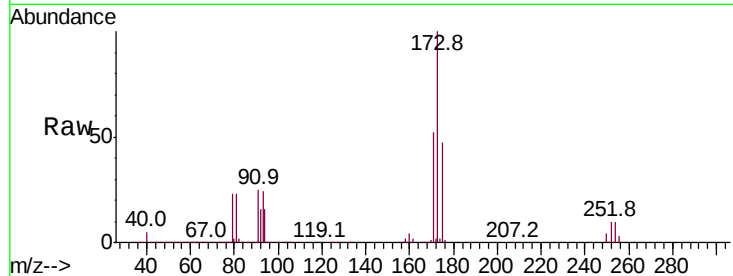
175 48.3 24.3 72.9

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

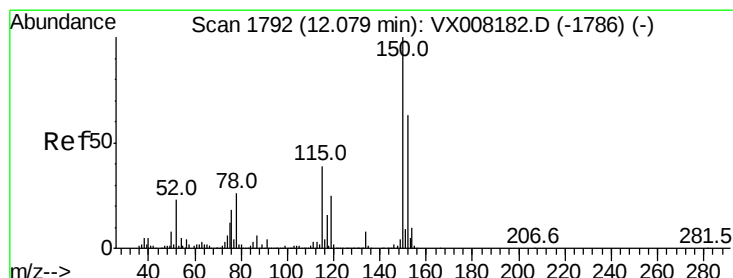
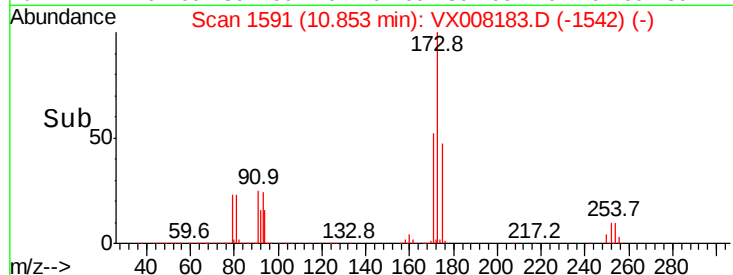
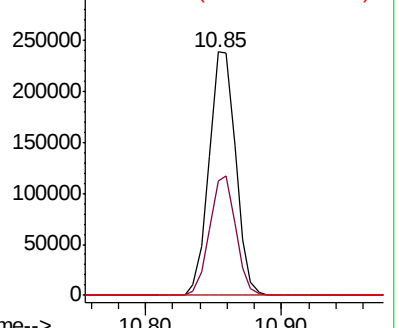
3/20/2019 10:28:11 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

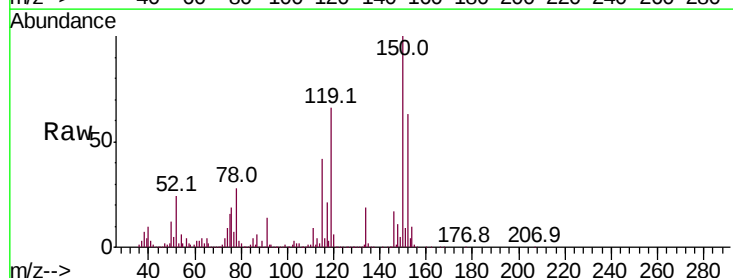
Tgt Ion:152 Resp: 211335

Ion Ratio Lower Upper

152 100

115 121.0 38.6 115.7#

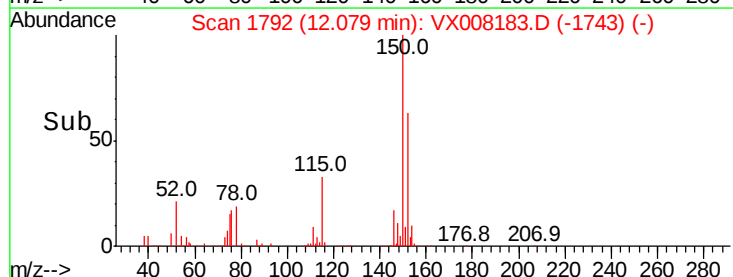
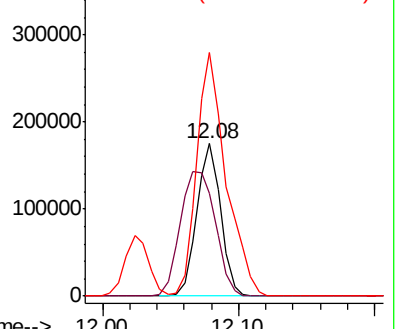
150 197.7 0.0 348.4

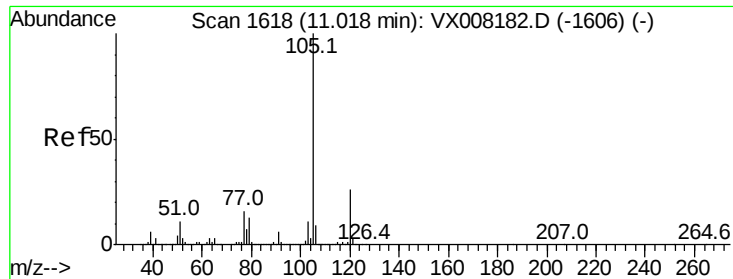


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 93.206 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1935987

Ion Ratio Lower Upper

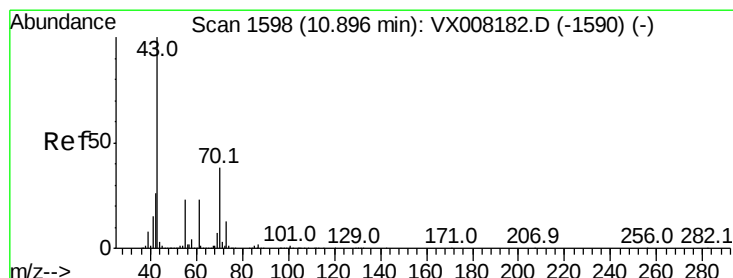
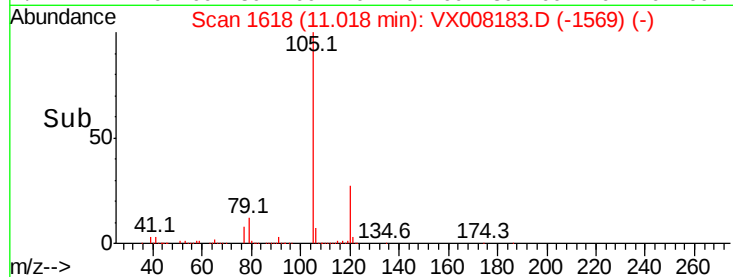
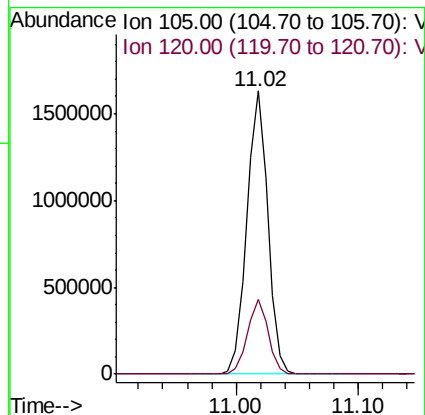
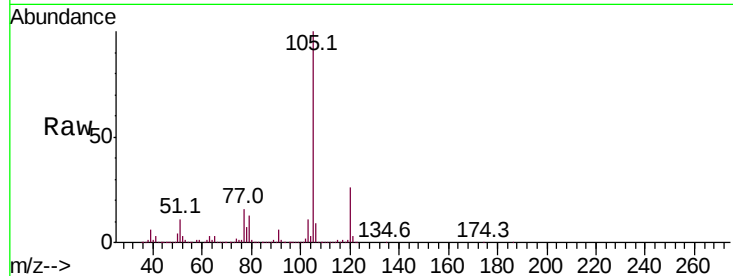
105 100

120 26.0 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 95.048 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Tgt Ion: 43 Resp: 1050020

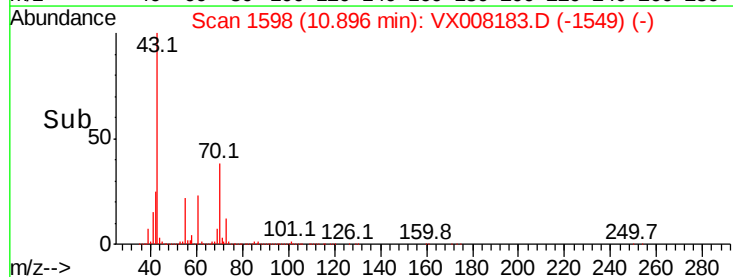
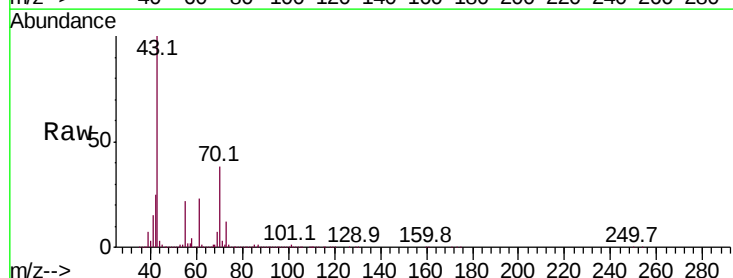
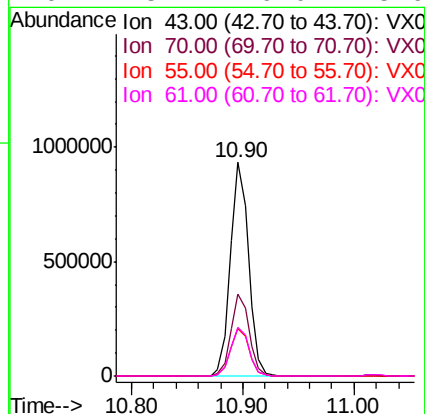
Ion Ratio Lower Upper

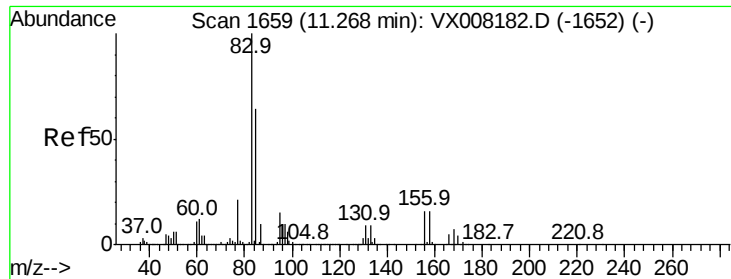
43 100

70 38.5 33.5 50.3

55 22.9 19.2 28.8

61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 92.676 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 661565
Ion Ratio Lower Upper

83 100

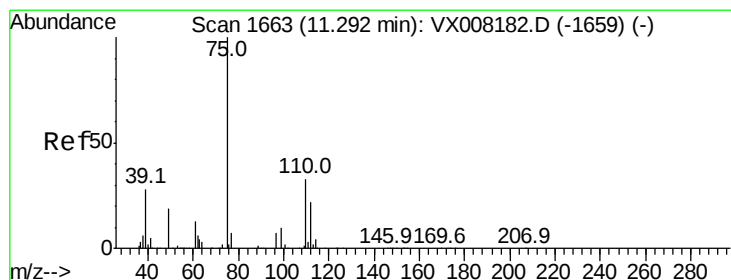
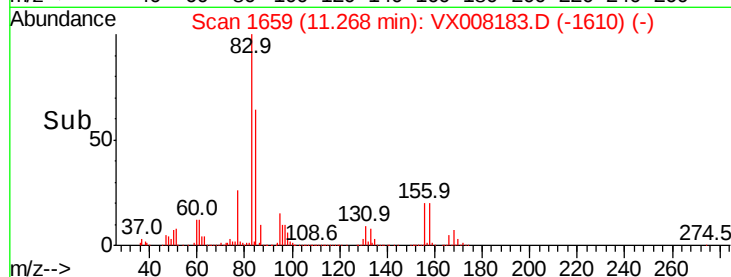
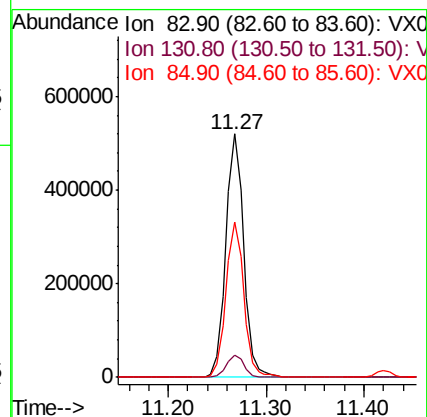
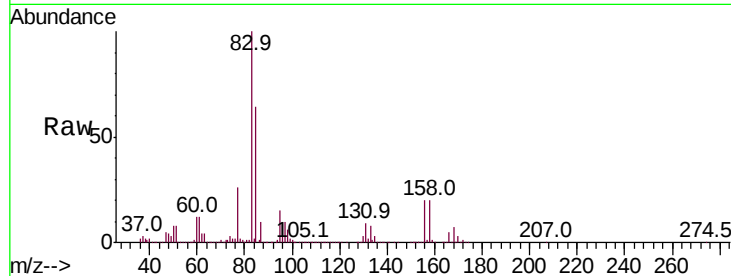
131 9.1 5.4 16.2

85 63.9 32.3 96.8

Manual Integrations
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MMDadoda

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#76

1,2,3-Trichloropropane

Concen: 87.789 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

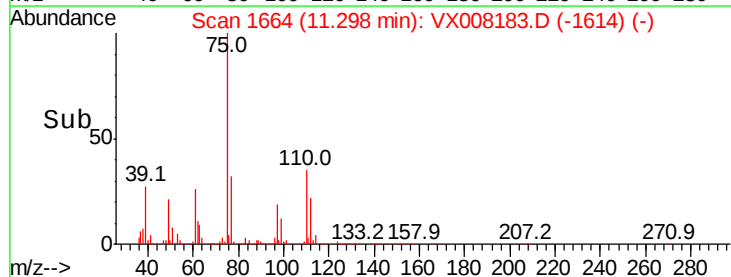
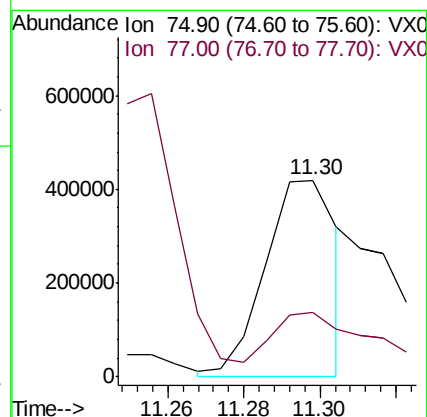
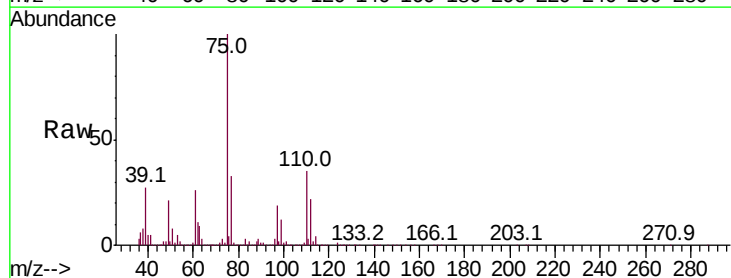
Lab File: VX008183.D

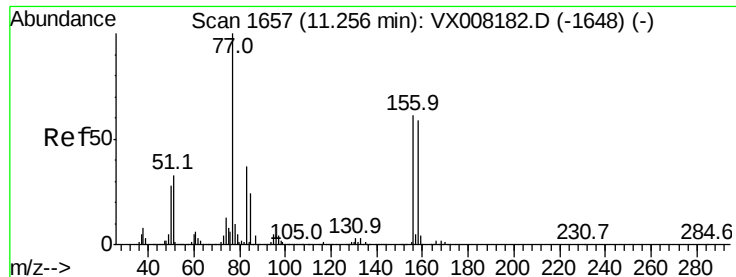
Acq: 19 Mar 2019 11:33

Tgt Ion: 75 Resp: 550846
Ion Ratio Lower Upper

75 100

77 46.2 18.9 56.7





#77

Bromobenzene

Concen: 93.146 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 453946

Ion Ratio Lower Upper

156 100

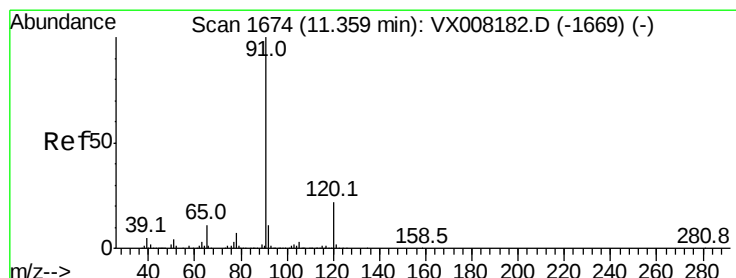
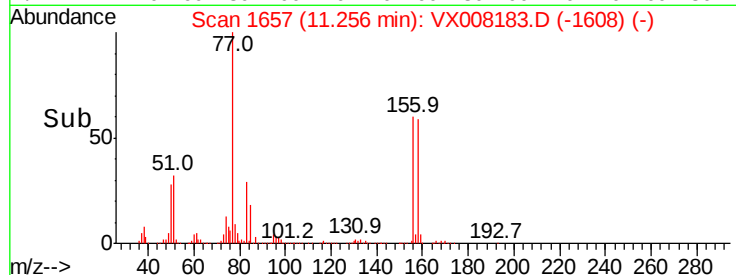
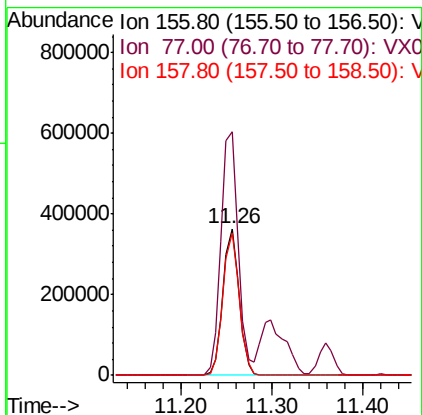
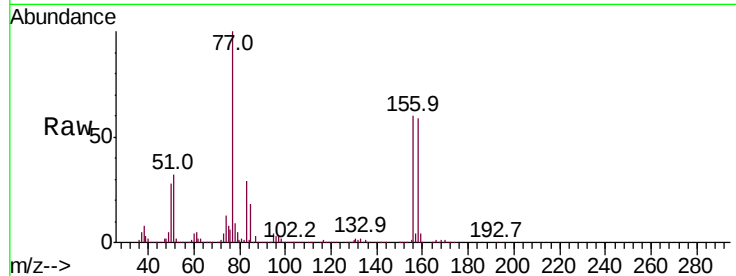
77 177.9 72.0 215.9

158 97.6 48.6 145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 93.752 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008183.D

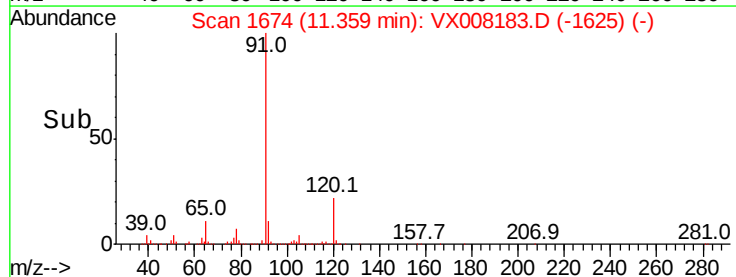
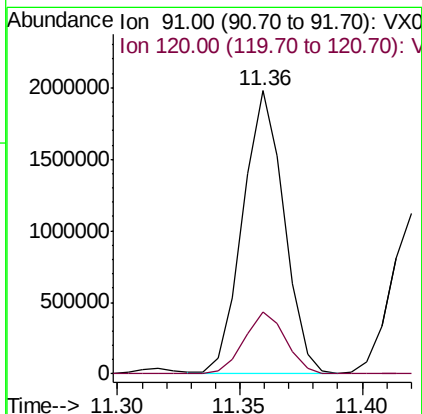
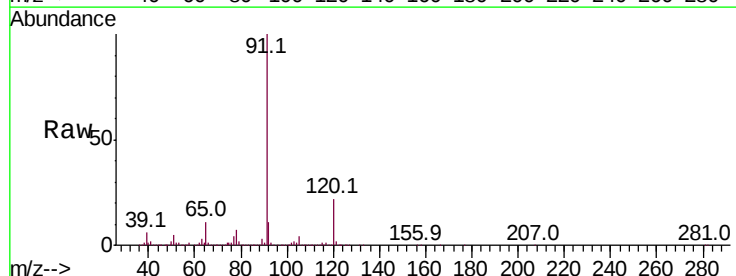
Acq: 19 Mar 2019 11:33

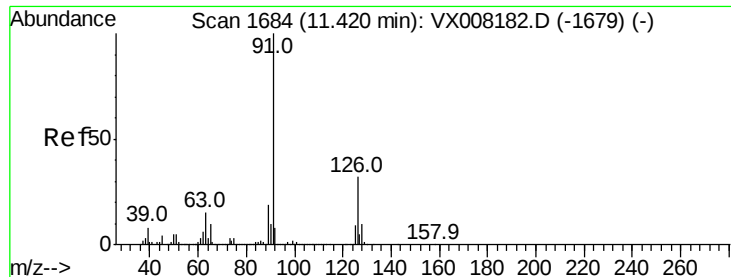
Tgt Ion: 91 Resp: 2309066

Ion Ratio Lower Upper

91 100

120 21.9 12.0 36.0





#79

2-Chlorotoluene

Concen: 92.870 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1328906

Ion Ratio Lower Upper

91 100

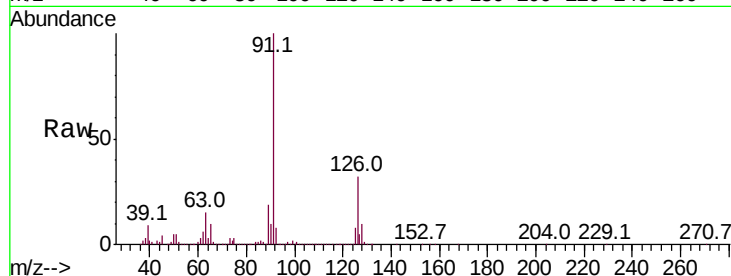
126 31.9 17.5 52.6

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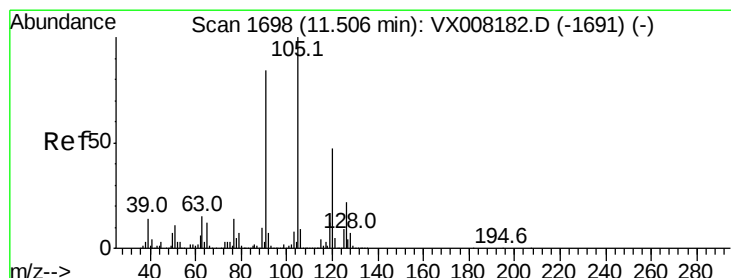
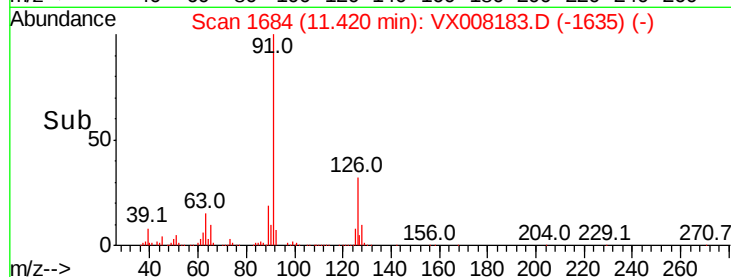
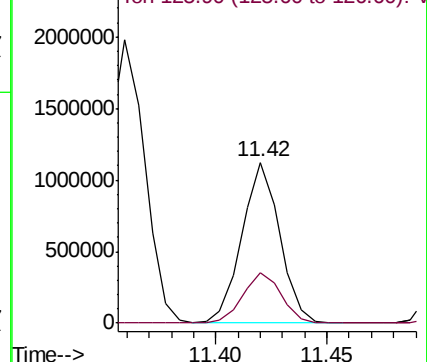
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Abundance Ion 91.00 (90.70 to 91.70): VX008182.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 93.984 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008183.D

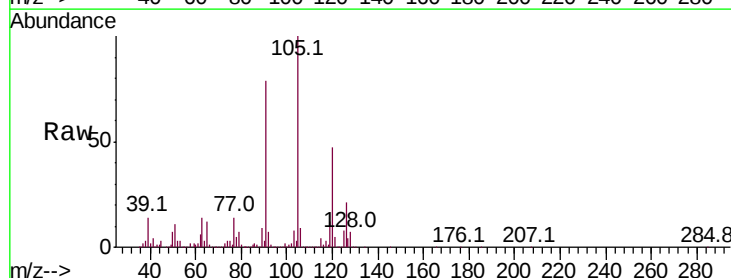
Acq: 19 Mar 2019 11:33

Tgt Ion:105 Resp: 1626160

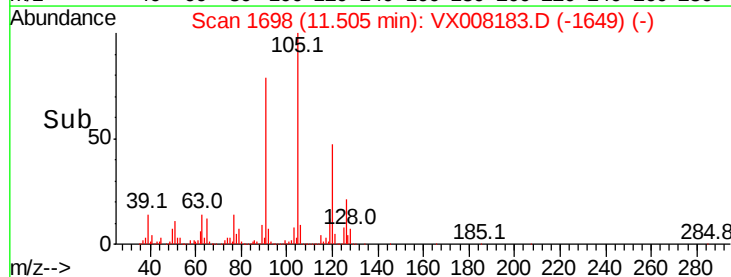
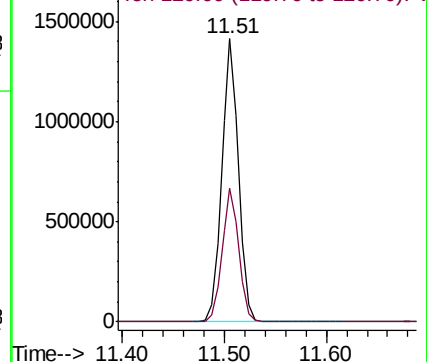
Ion Ratio Lower Upper

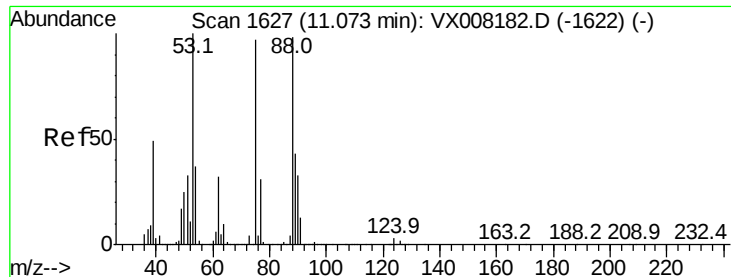
105 100

120 47.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008182.D (-1691) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 97.741 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 232750

Ion Ratio Lower Upper

75 100

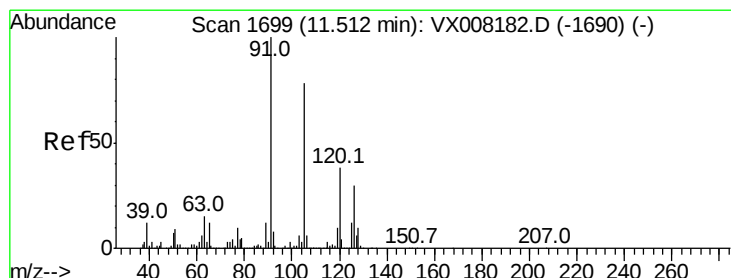
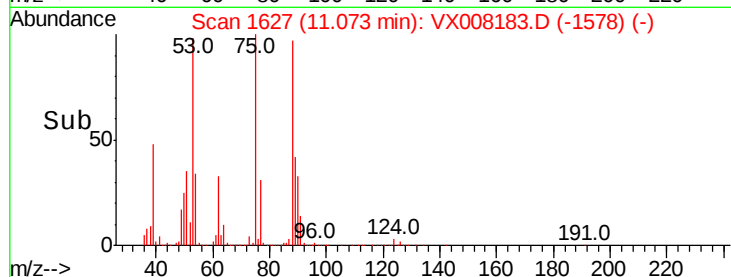
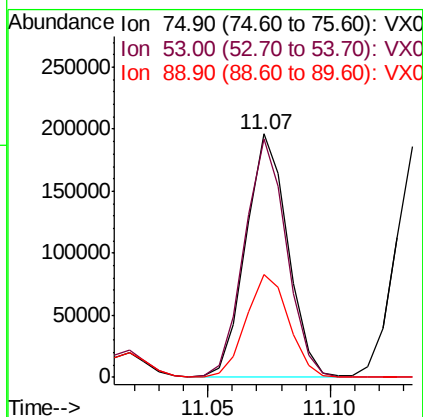
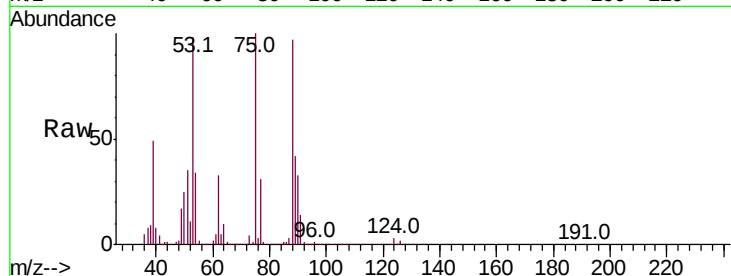
53 98.2 76.1 114.1

89 43.3 36.3 54.5

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#82

4-Chlorotoluene

Concen: 94.271 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008183.D

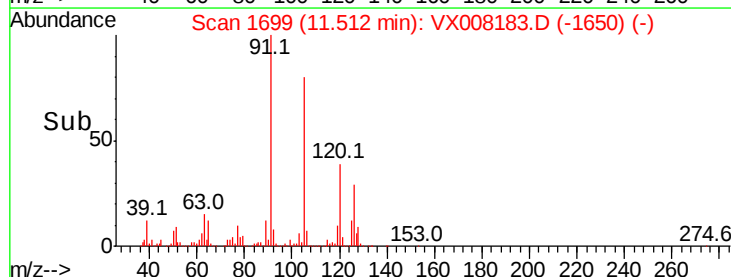
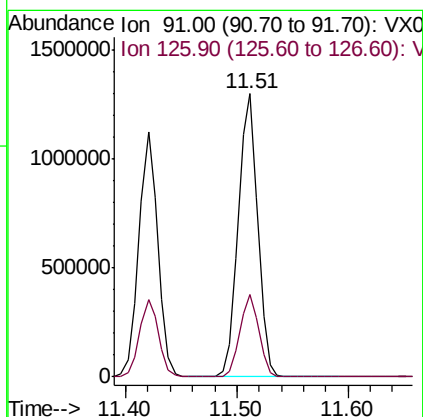
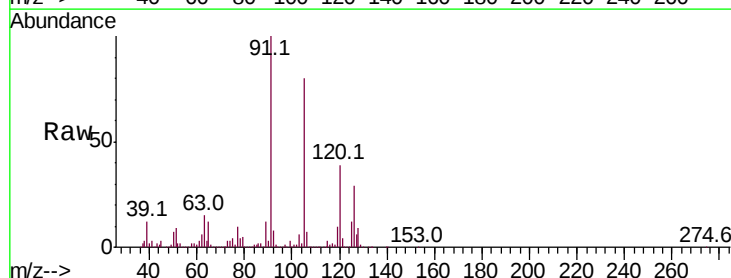
Acq: 19 Mar 2019 11:33

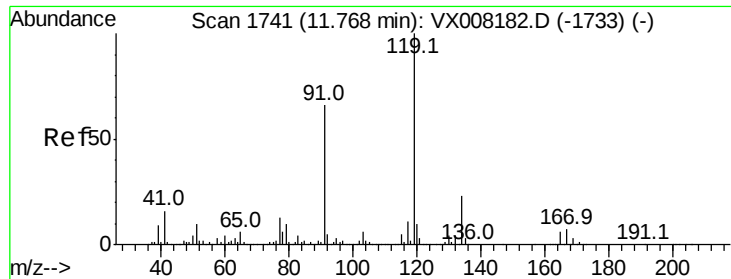
Tgt Ion: 91 Resp: 1576859

Ion Ratio Lower Upper

91 100

126 28.4 15.6 46.8





#83

tert-Butylbenzene

Concen: 96.272 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1564641

Ion Ratio Lower Upper

119 100

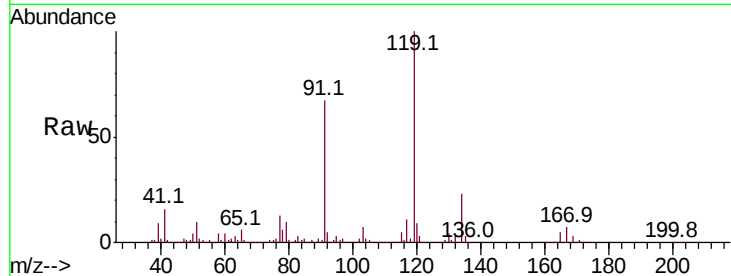
91 60.6 27.1 81.3

134 22.1 11.4 34.1

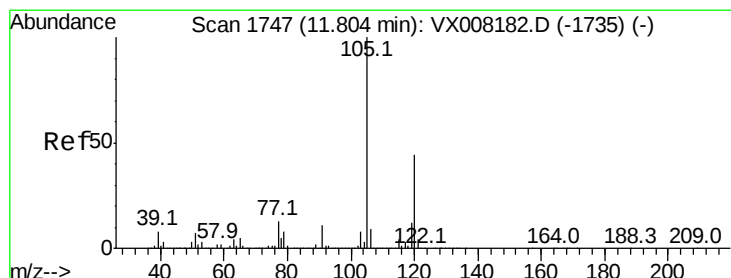
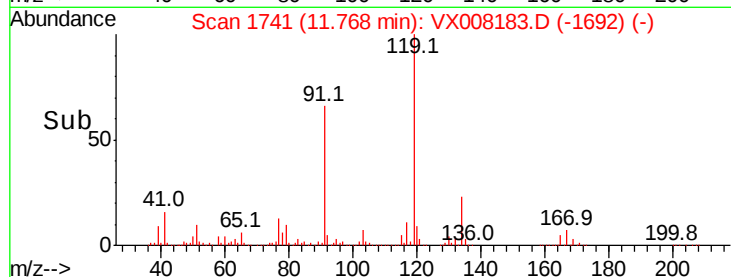
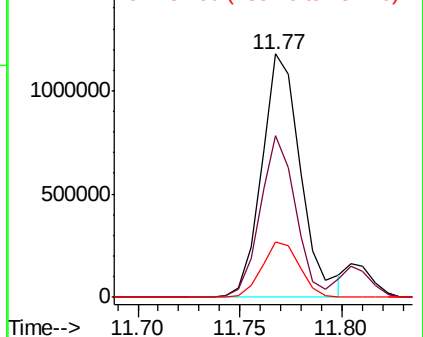
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 93.102 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008183.D

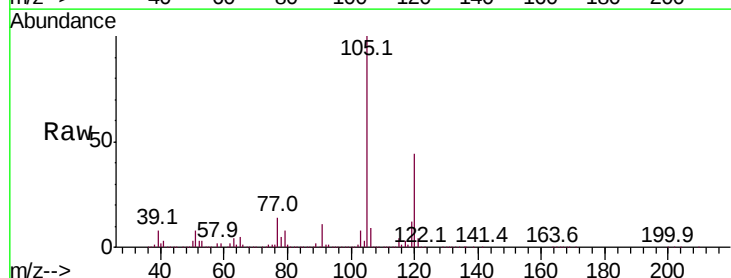
Acq: 19 Mar 2019 11:33

Tgt Ion:105 Resp: 1639679

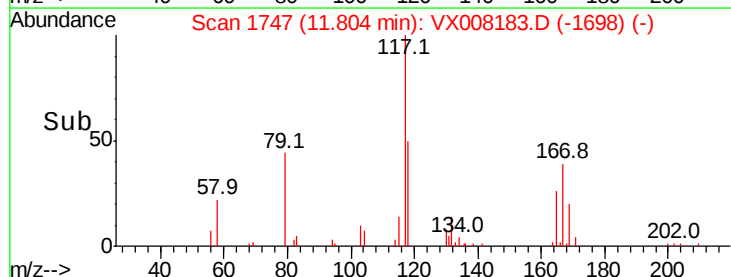
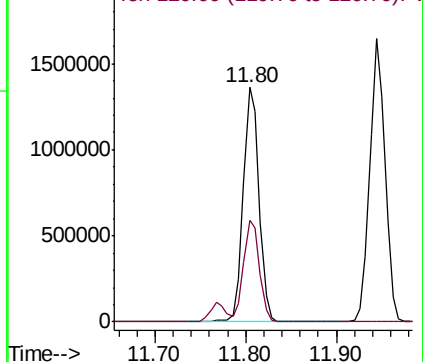
Ion Ratio Lower Upper

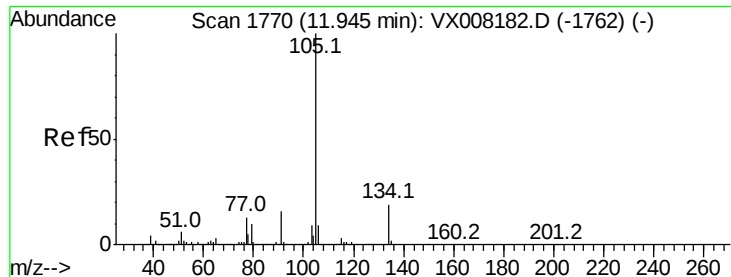
105 100

120 43.5 22.6 67.7



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





#85

sec-Butylbenzene

Concen: 93.666 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1924285

Ion Ratio Lower Upper

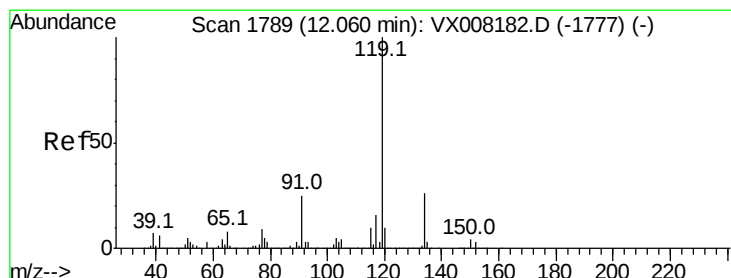
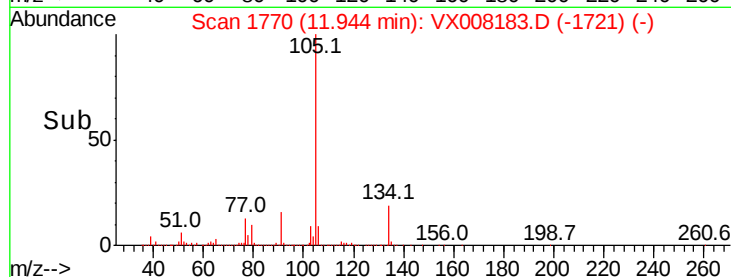
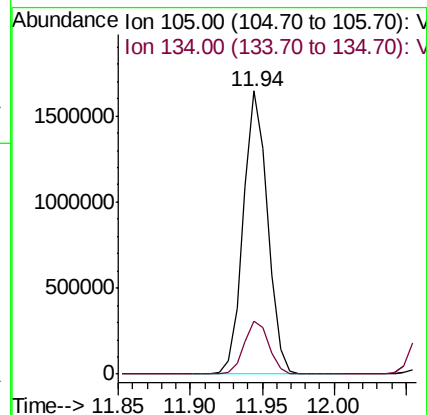
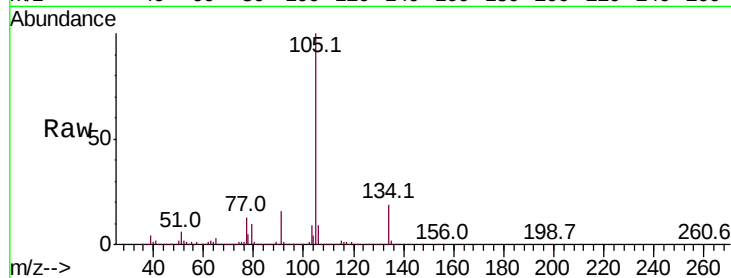
105 100

134 19.1 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 94.185 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

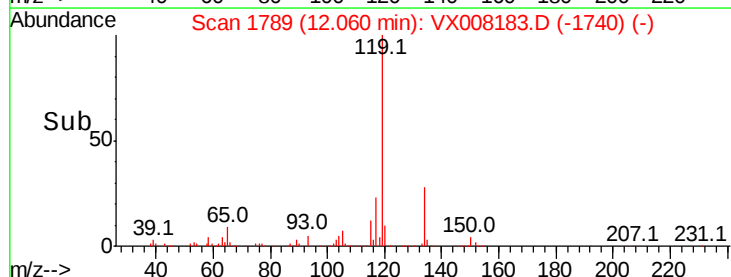
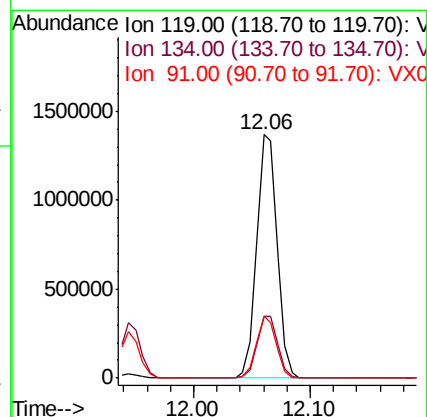
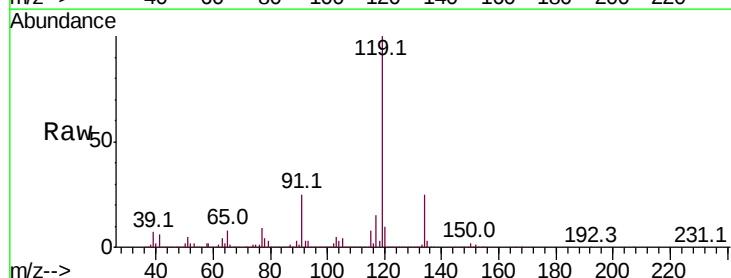
Tgt Ion:119 Resp: 1677414

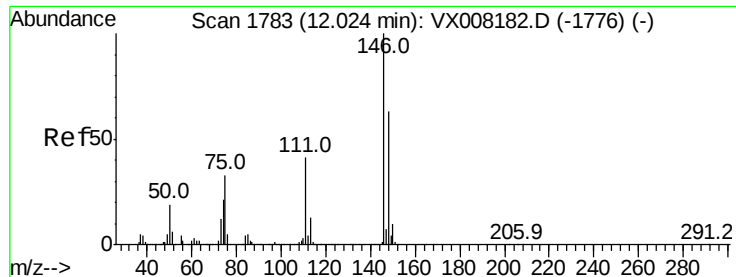
Ion Ratio Lower Upper

119 100

134 25.6 13.3 39.9

91 24.6 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 95.261 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

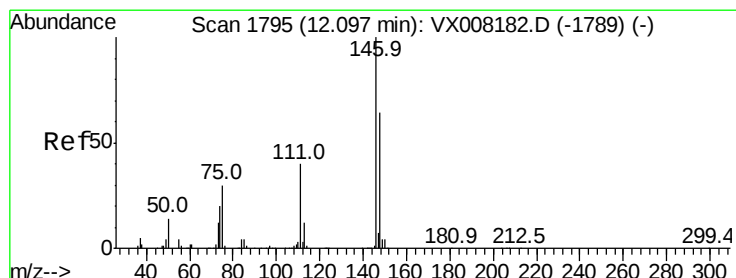
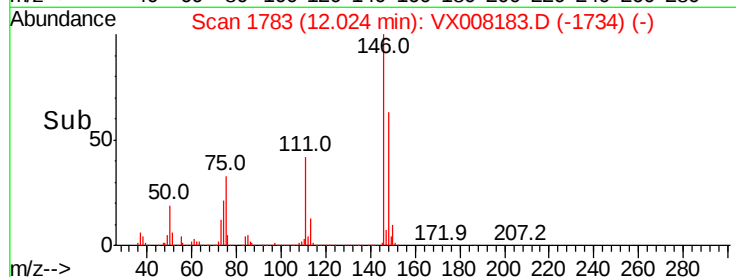
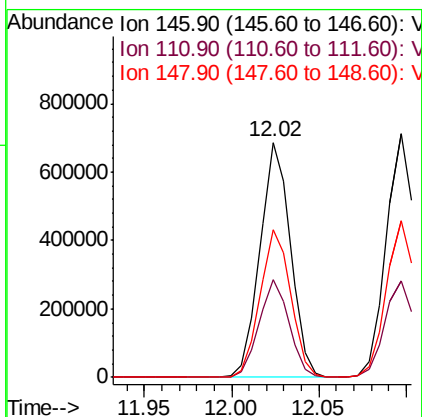
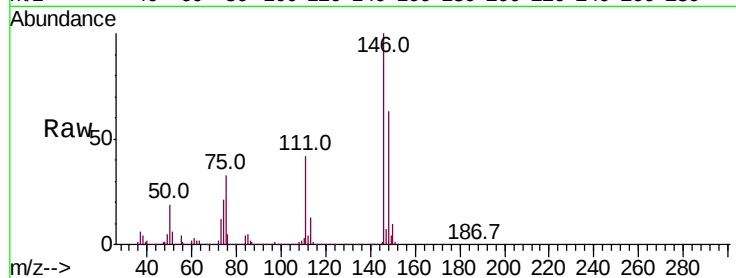
VSTDIC100

Tot Ion:	146	Resp:	830297
Ion Ratio	Lower	Upper	
146	100		
111	41.2	18.9	56.7
148	63.4	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 94.969 ug/l

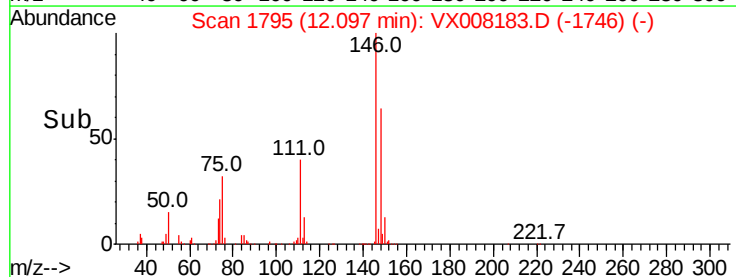
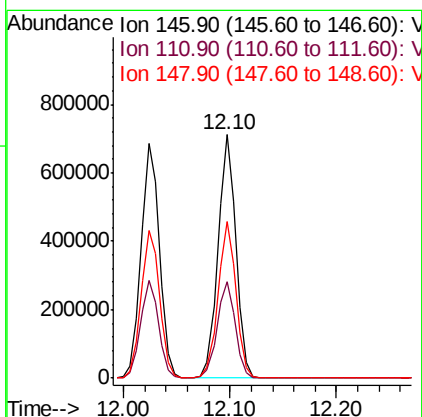
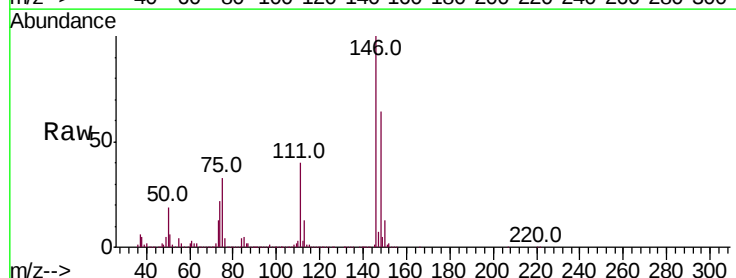
RT: 12.10 min Scan# 1795

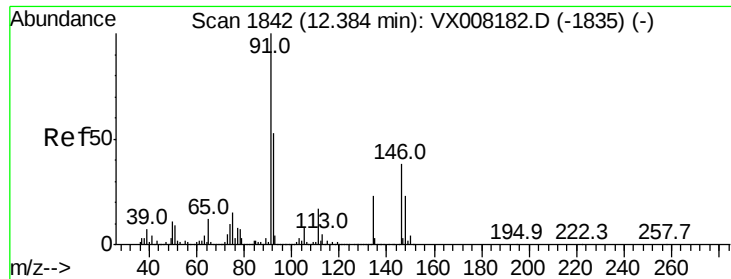
Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Tgt Ion:	146	Resp:	828707
Ion Ratio	Lower	Upper	
146	100		
111	40.2	18.4	55.0
148	64.0	32.2	96.6





#89
n-Butylbenzene
Concen: 96.157 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

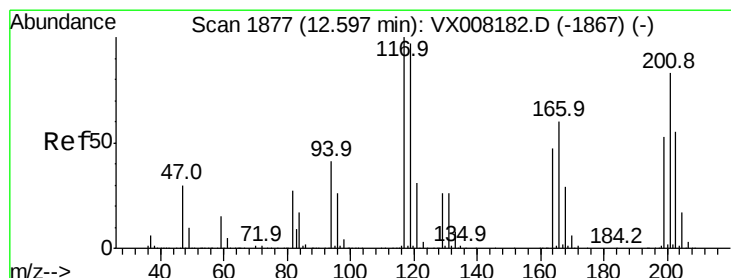
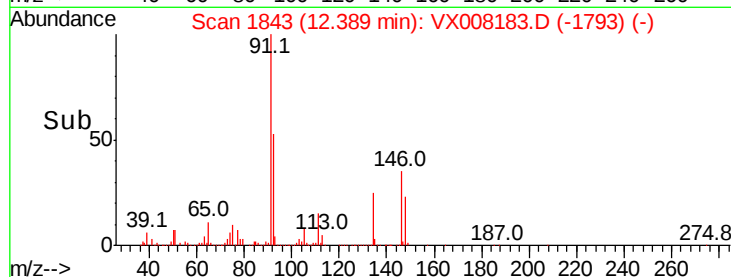
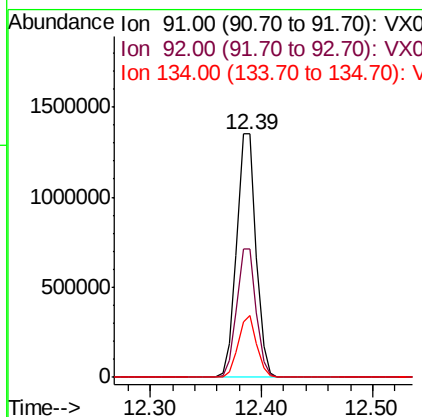
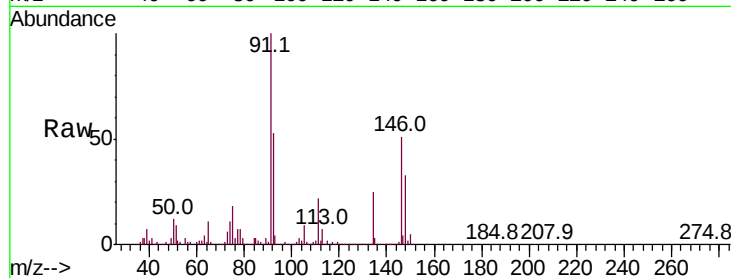
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.0	80.8
134	24.2	13.7	41.0

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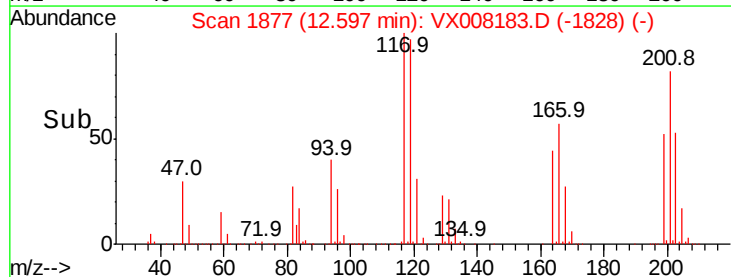
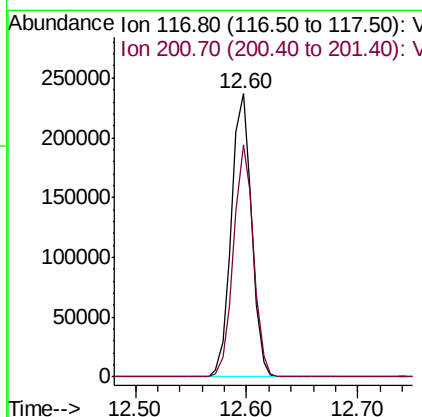
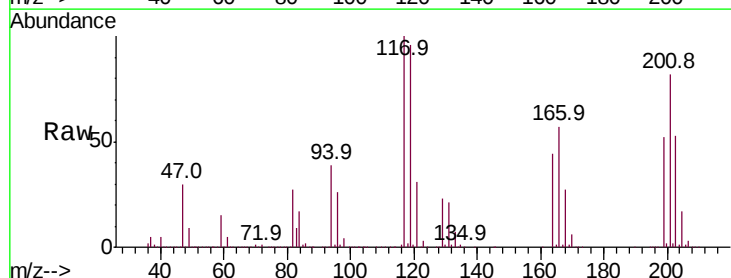
MMDadoda

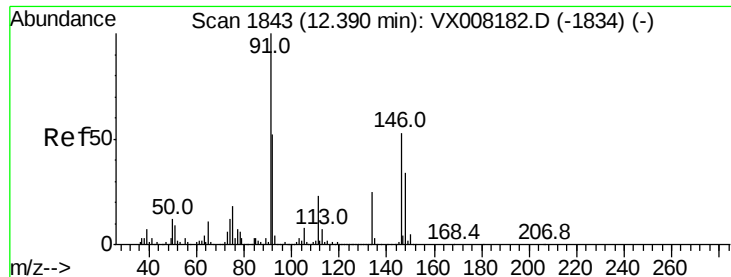
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#90
Hexachloroethane
Concen: 97.065 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008183.D
Acq: 19 Mar 2019 11:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 95.789 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

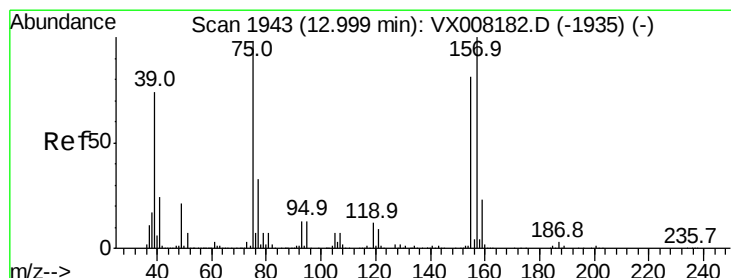
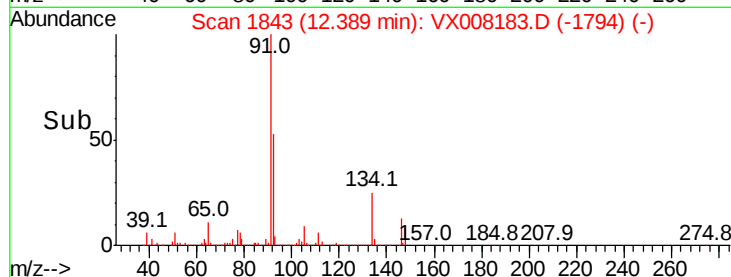
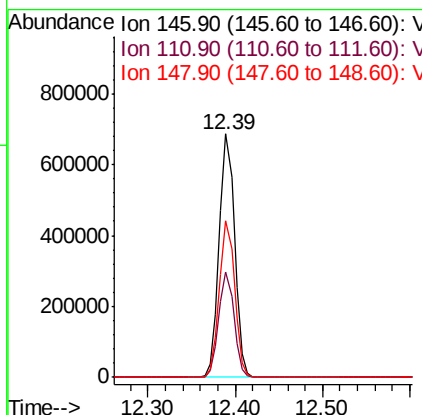
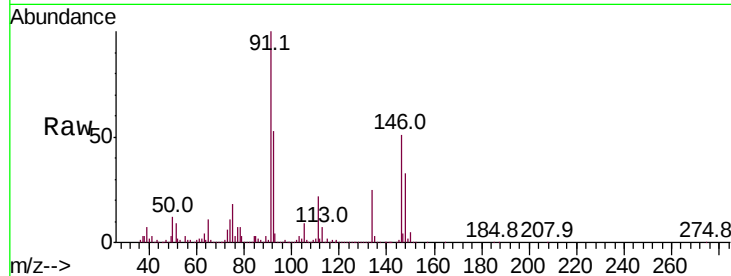
VSTDIC100

Tot Ion:	146	Resp:	832012
Ion Ratio	Lower	Upper	
146	100		
111	42.8	19.6	58.8
148	63.7	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 96.494 ug/l

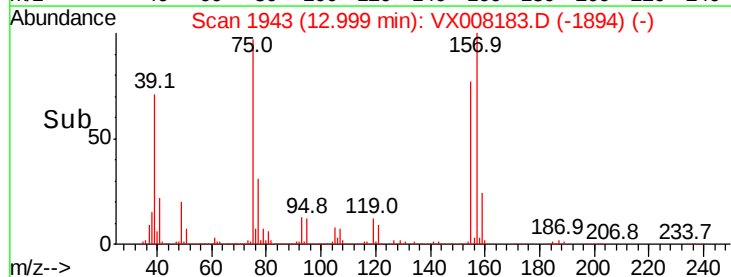
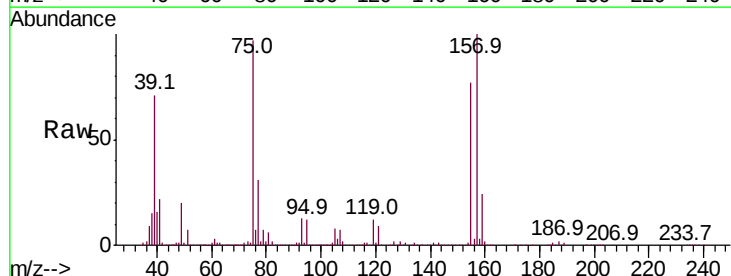
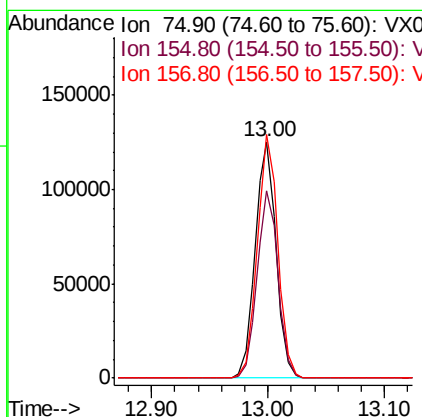
RT: 13.00 min Scan# 1943

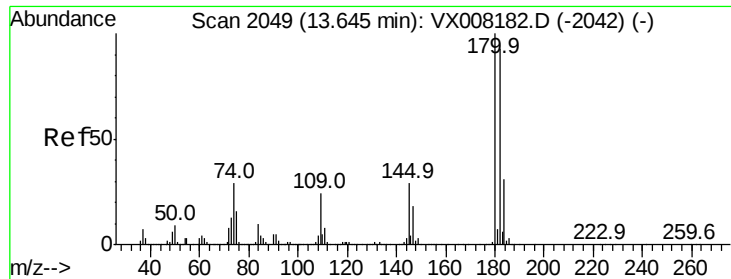
Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Tgt Ion:	75	Resp:	156276
Ion Ratio	Lower	Upper	
75	100		
155	79.6	49.7	149.1
157	101.6	63.8	191.4





#93
 1,2,4-Trichlorobenzene
 Concen: 97.029 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

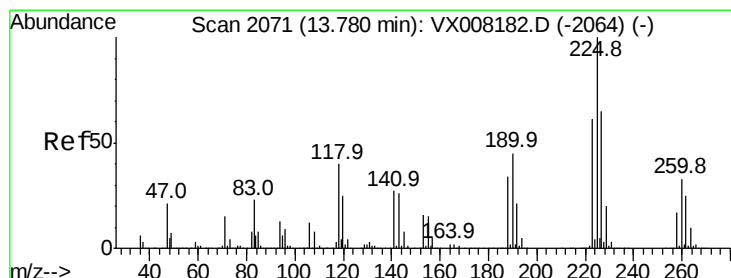
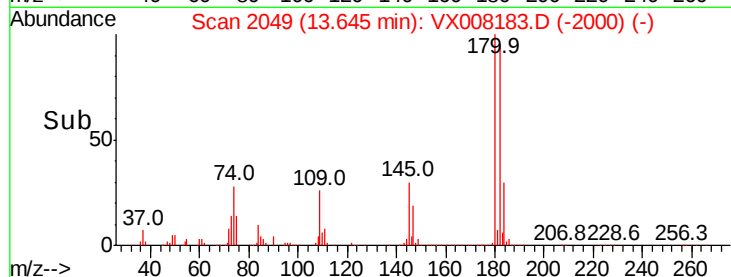
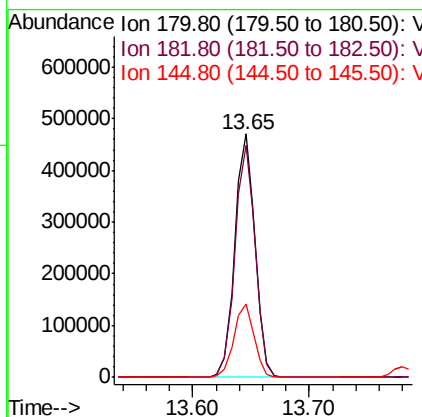
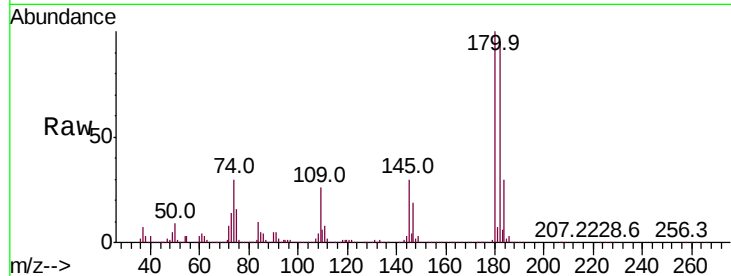
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	566715
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.7
145	30.2	14.1	42.4

Manual Integrations
 APPROVED

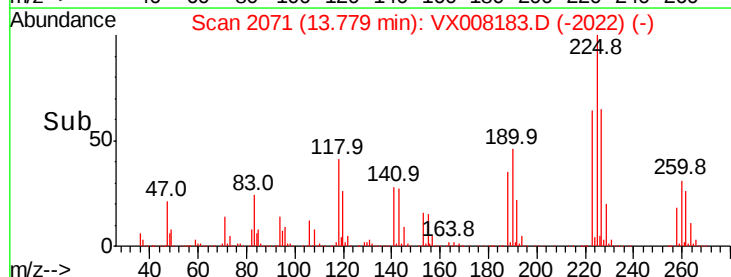
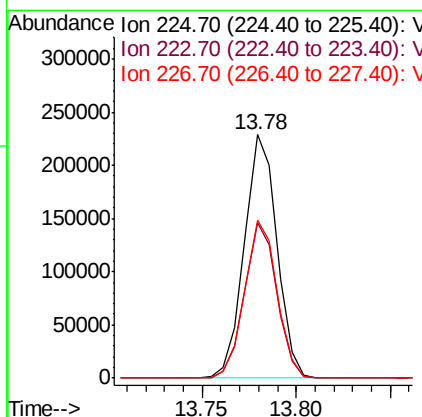
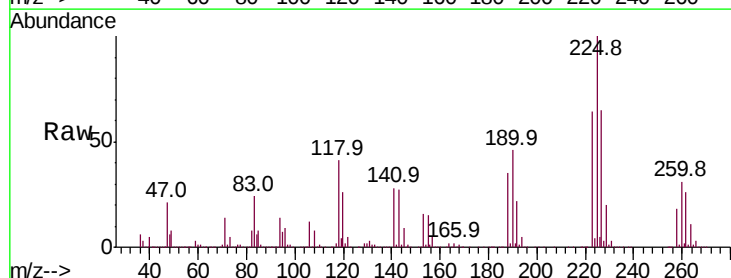
MMDadoda

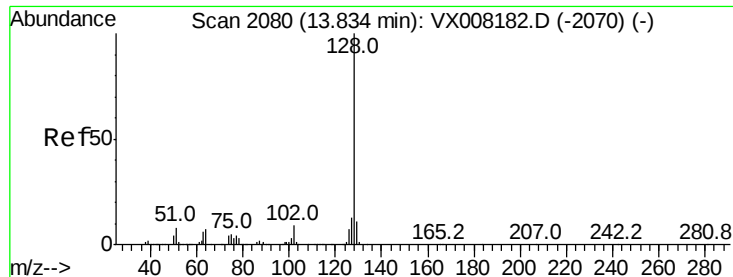
3/20/2019 10:28:11 AM



#94
 Hexachlorobutadiene
 Concen: 96.078 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008183.D
 Acq: 19 Mar 2019 11:33

Tgt Ion:	225	Resp:	274109
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.1	93.2
227	64.4	32.0	96.0





#95

Naphthalene

Concen: 96.110 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1850089

Ion Ratio Lower Upper

128 100

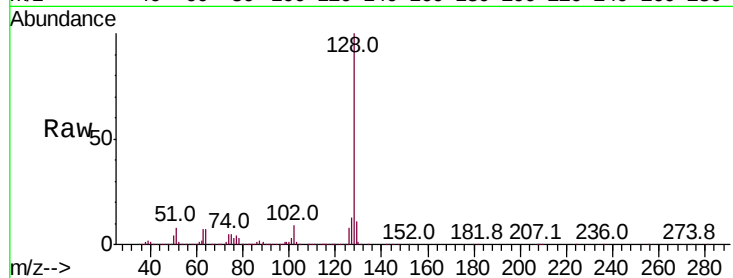
127 13.2 10.3 15.5

129 10.9 8.7 13.1

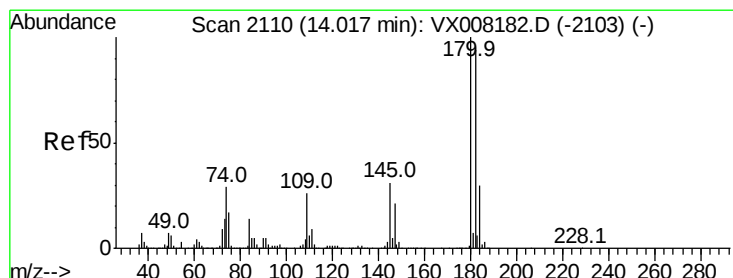
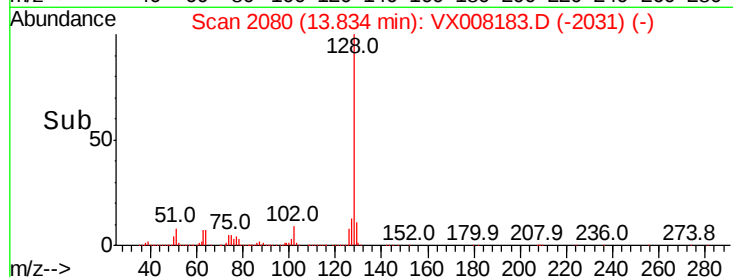
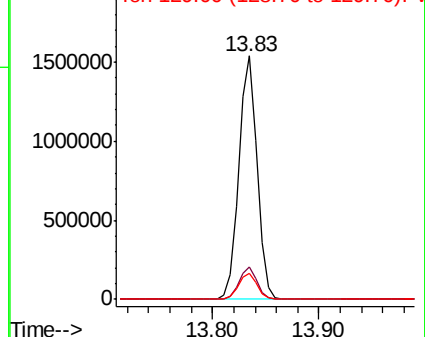
Manual Integrations
APPROVED

MMDadoda

3/20/2019 10:28:11 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 96.526 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008183.D

Acq: 19 Mar 2019 11:33

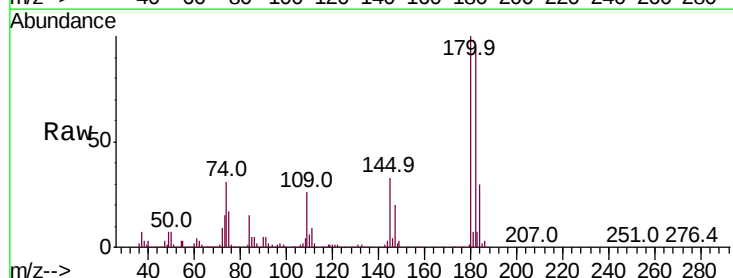
Tgt Ion:180 Resp: 558745

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.5

145 32.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

