

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071618\
 Data File : VX003393.D
 Acq On : 16 Jul 2018 12:14
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/17/2018 1:46:32 PM

Quant Time: Jul 16 12:51:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 12:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	336882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	472780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	436944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	272369	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	407183	101.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.94%	
35) Dibromofluoromethane	5.51	113	366217	105.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.48%	
50) Toluene-d8	8.72	98	1371708	110.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.72%	
62) 4-Bromofluorobenzene	11.14	95	510373	105.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	330180	109.84	ug/l	99
3) Chloromethane	1.32	50	336687	87.47	ug/l	98
4) Vinyl Chloride	1.40	62	372518	85.64	ug/l	99
5) Bromomethane	1.64	94	142064	57.73	ug/l	99
6) Chloroethane	1.70	64	238874	85.02	ug/l	98
7) Trichlorofluoromethane	1.92	101	478166	76.30	ug/l	98
8) Diethyl Ether	2.19	74	212229	76.47	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	305183	75.77	ug/l	97
10) Methyl Iodide	2.51	142	399997	97.78	ug/l	93
11) Tert butyl alcohol	3.10	59	419425	429.35	ug/l	100
12) 1,1-Dichloroethene	2.37	96	293638	78.51	ug/l	89
13) Acrolein	2.30	56	218214	563.58	ug/l	100
14) Allyl chloride	2.73	41	535420	74.64	ug/l	86
15) Acrylonitrile	3.16	53	964089	395.29	ug/l	97
16) Acetone	2.45	43	770175	407.27	ug/l #	89
17) Carbon Disulfide	2.56	76	805465	87.71	ug/l	98
18) Methyl Acetate	2.78	43	539118	91.82	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	982794	73.48	ug/l	99
20) Methylene Chloride	2.85	84	330420	72.45	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	310909	77.90	ug/l	94
22) Diisopropyl ether	3.88	45	1017955	76.23	ug/l	97
23) Vinyl Acetate	3.83	43	4279572	392.19	ug/l	96
24) 1,1-Dichloroethane	3.70	63	584323	77.18	ug/l	99
25) 2-Butanone	4.73	43	1240163	423.10	ug/l	92
26) 2,2-Dichloropropane	4.58	77	397566	74.19	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	344056	78.42	ug/l	86
28) Bromochloromethane	5.03	49	287117	83.24	ug/l	88
29) Tetrahydrofuran	5.18	42	800030	427.27	ug/l	91
30) Chloroform	5.22	83	553854	76.32	ug/l	98
31) Cyclohexane	5.57	56	480448	82.92	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	482468	79.80	ug/l	97
36) 1,1-Dichloropropene	5.80	75	414652	82.56	ug/l	97
37) Ethyl Acetate	4.88	43	458376	83.28	ug/l	96
38) Carbon Tetrachloride	5.78	117	430701	84.12	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	480457	84.50	ug/l	95
40) Benzene	6.15	78	1271784	80.85	ug/l	99
41) Methacrylonitrile	5.08	41	258859	82.10	ug/l	92
42) 1,2-Dichloroethane	6.21	62	419237	76.29	ug/l	95
43) Isopropyl Acetate	6.48	43	727941	84.40	ug/l #	93
44) Trichloroethene	7.22	130	360943	80.97	ug/l	99
45) 1,2-Dichloropropane	7.52	63	324818	77.84	ug/l	100
46) Dibromomethane	7.67	93	216873	80.83	ug/l	97
47) Bromodichloromethane	7.90	83	413571	81.76	ug/l	99
48) Methyl methacrylate	7.79	41	379322	86.16	ug/l	86
49) 1,4-Dioxane	7.77	88	170126	1770.90	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	2448798	434.33	ug/l	92
52) Toluene	8.79	92	799398	80.19	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	502258	84.53	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	465913	85.84	ug/l #	89
55) 1,1,2-Trichloroethane	9.22	97	326588	78.49	ug/l	99
56) Ethyl methacrylate	9.19	69	503424	84.71	ug/l #	84
57) 1,3-Dichloropropane	9.38	76	532956	79.03	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1286291	445.39	ug/l	97
59) 2-Hexanone	9.51	43	1913803	460.20	ug/l	89
60) Dibromochloromethane	9.59	129	349091	86.43	ug/l	100
61) 1,2-Dibromoethane	9.68	107	346762	82.65	ug/l	100
64) Tetrachloroethene	9.34	164	395035	83.48	ug/l	99
65) Chlorobenzene	10.15	112	904562	80.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	330623	83.34	ug/l	99
67) Ethyl Benzene	10.26	91	1526698	83.61	ug/l	100
68) m/p-Xylenes	10.37	106	1204687	171.27	ug/l	96
69) o-Xylene	10.70	106	591763	86.14	ug/l	96
70) Styrene	10.72	104	984747	85.30	ug/l	98
71) Bromoform	10.86	173	286981	94.49	ug/l	100
73) Isopropylbenzene	11.02	105	1602163	85.07	ug/l	99
74) N-amyl acetate	6.48	43	727941	83.39	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	505250	82.18	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	429347m	79.79	ug/l	
77) Bromobenzene	11.26	156	438461	82.39	ug/l	97
78) n-propylbenzene	11.37	91	1766145	82.97	ug/l	99
79) 2-Chlorotoluene	11.43	91	1054007	80.16	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1310644	83.97	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	154808	95.92	ug/l	87
82) 4-Chlorotoluene	11.52	91	1252991	81.79	ug/l	98
83) tert-Butylbenzene	11.77	119	1279152	82.78	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	1346313	85.03	ug/l	99
85) sec-Butylbenzene	11.95	105	1541764	83.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	1392863	84.30	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	783134	78.82	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	789749	78.29	ug/l	99
89) n-Butylbenzene	12.39	91	1214230	85.88	ug/l	98
90) Hexachloroethane	12.60	117	220188	88.90	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	810729	81.54	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	116809	95.81	ug/l	92

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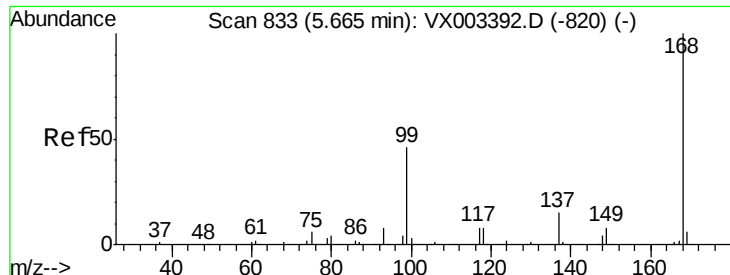
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	570880	83.93	ug/l	99
94) Hexachlorobutadiene	13.79	225	268144	83.54	ug/l	99
95) Naphthalene	13.84	128	1722099	90.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	601930	87.68	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 336882

Ion Ratio Lower Upper

168 100

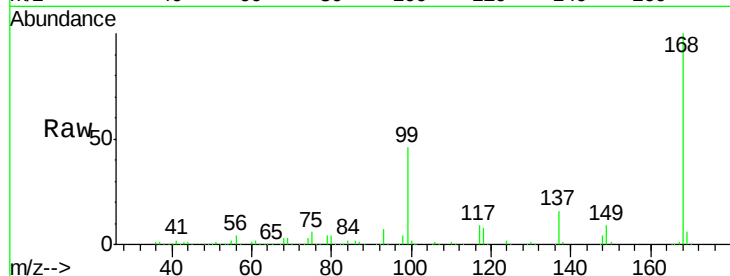
99 46.0 39.3 58.9

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

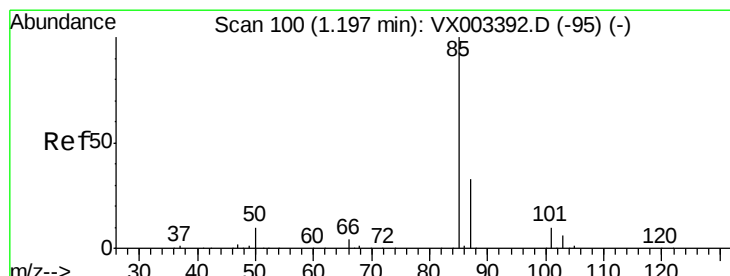
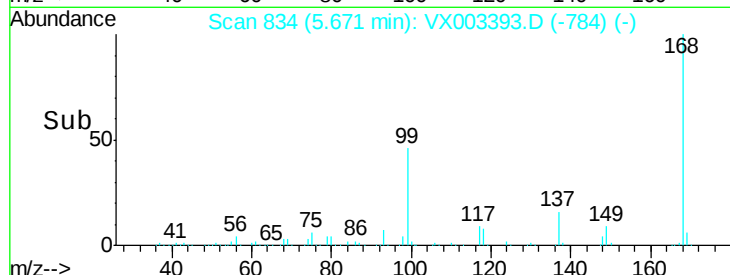
5.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 109.84 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003393.D

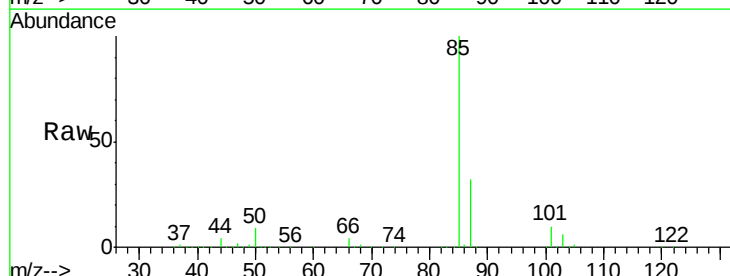
Acq: 16 Jul 2018 12:14

Tgt Ion: 85 Resp: 330180

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

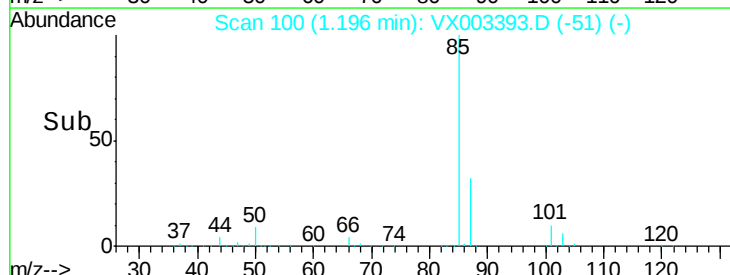
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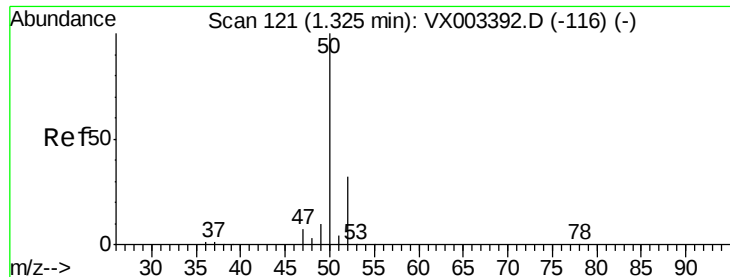
200000

100000

0

Time-->





#3

Chloromethane

Concen: 87.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 336687

Ion Ratio Lower Upper

50 100

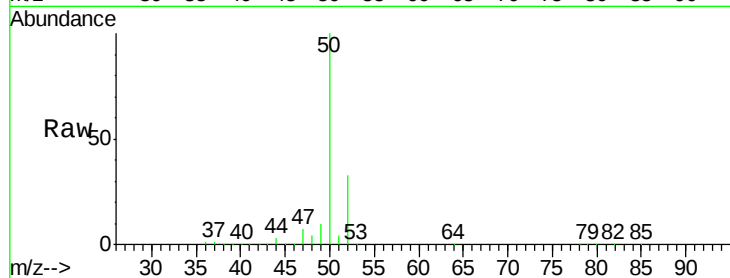
52 33.3 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250000

200000

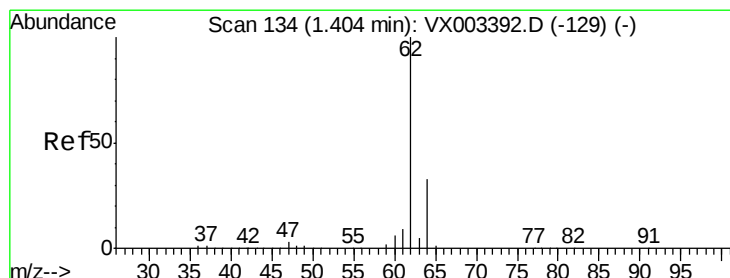
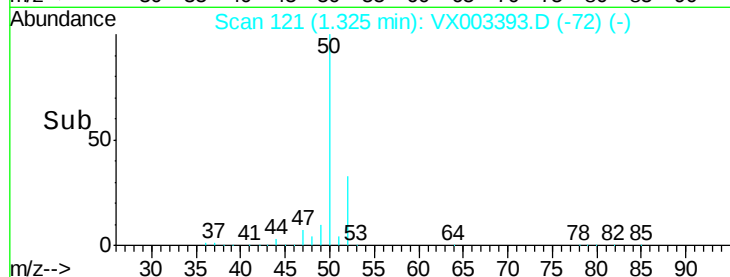
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 85.64 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003393.D

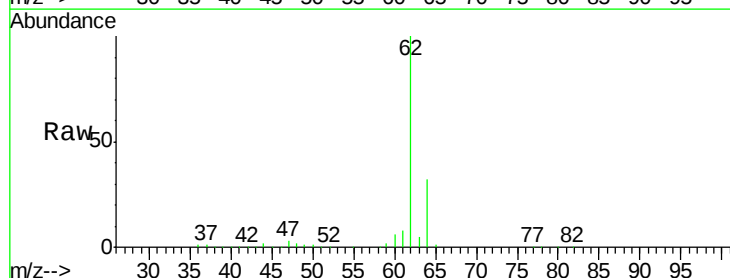
Acq: 16 Jul 2018 12:14

Tgt Ion: 62 Resp: 372518

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

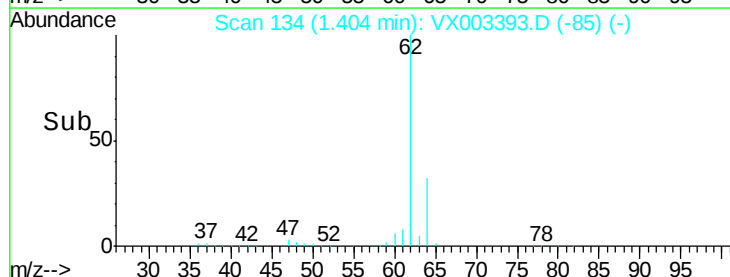
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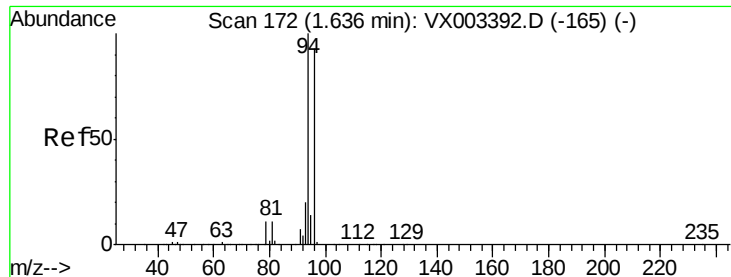
200000

100000

0

Time--> 1.40 1.50





#5

Bromomethane

Concen: 57.73 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 142064

Ion Ratio Lower Upper

94 100

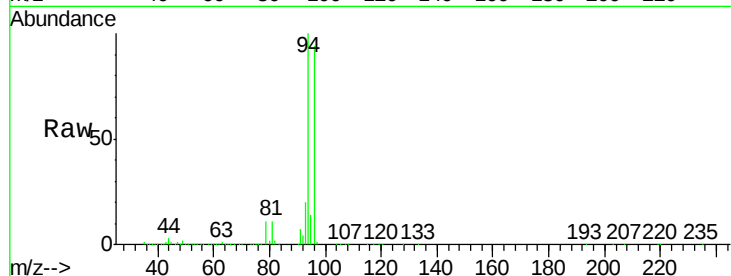
96 94.4 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150000

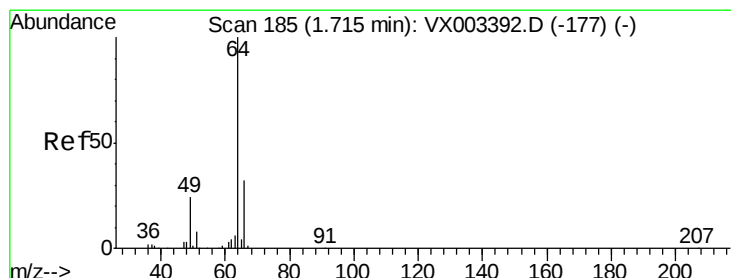
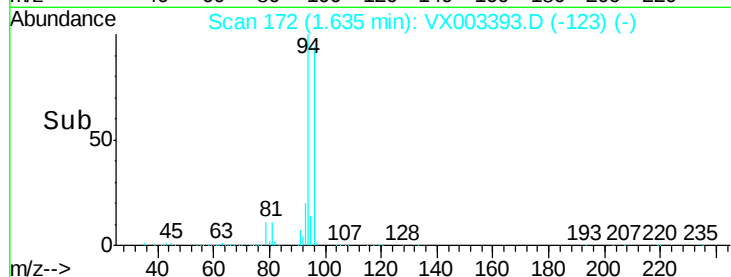
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 85.02 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX003393.D

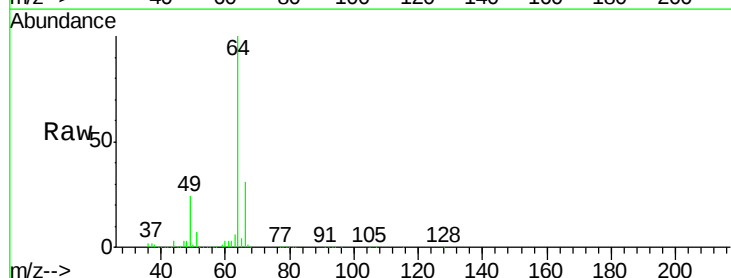
Acq: 16 Jul 2018 12:14

Tgt Ion: 64 Resp: 238874

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

150000

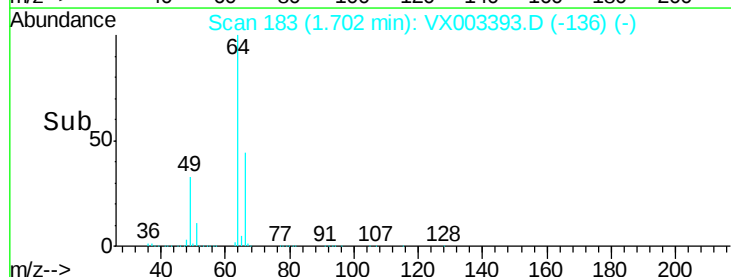
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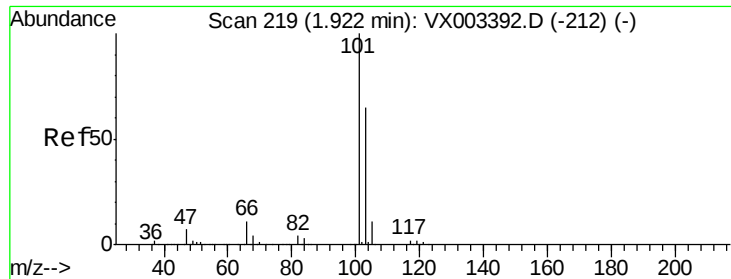
50000

0

1.60 1.70 1.80 1.90

Time-->





#7

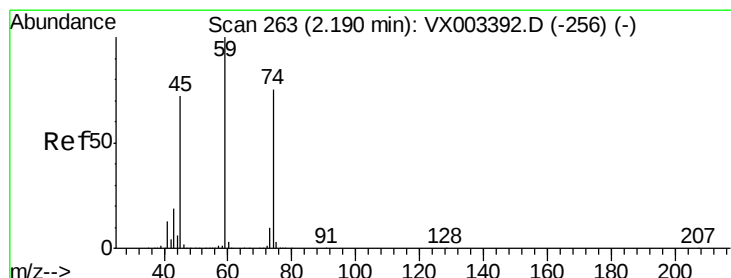
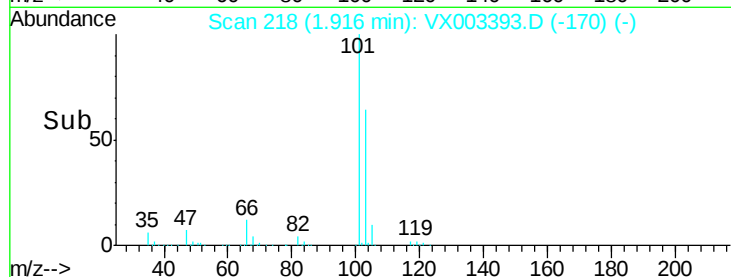
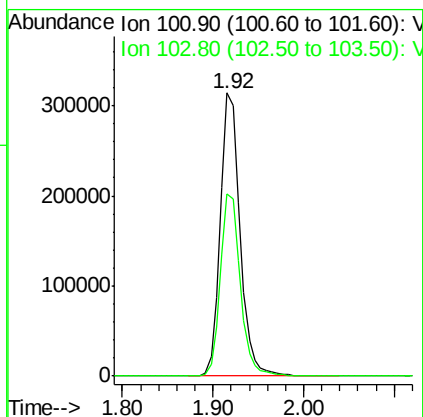
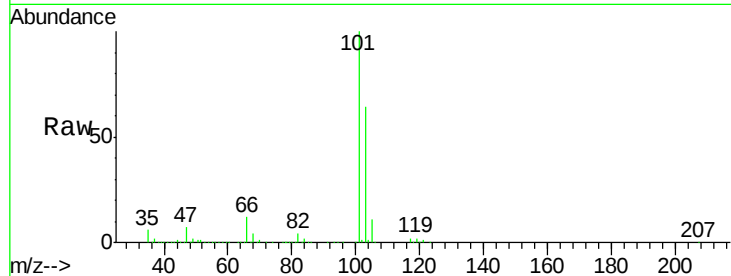
Trichlorofluoromethane
Concen: 76.30 ug/l
RT: 1.92 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.8	79.2

Manual Integrations
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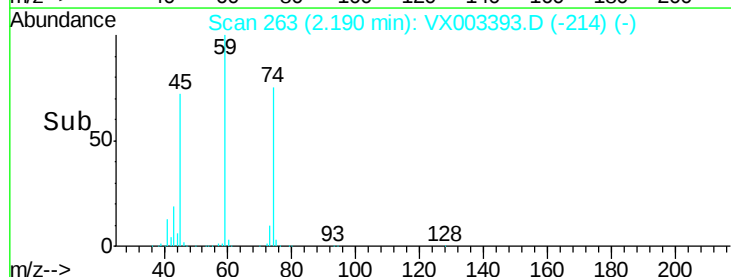
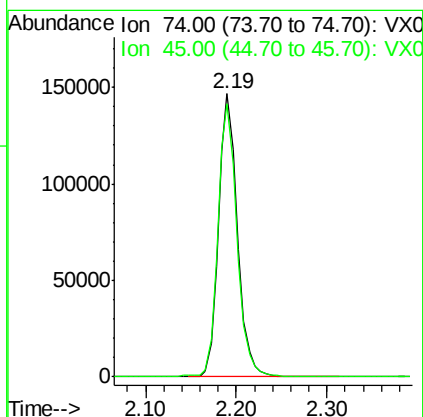
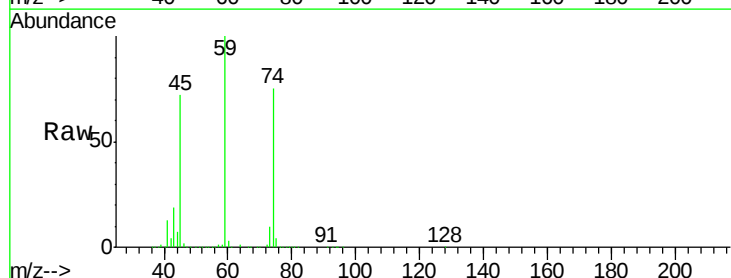
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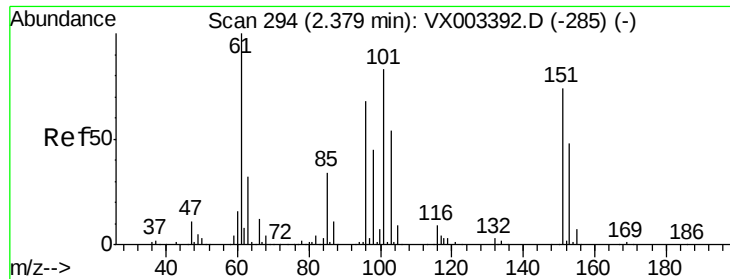


#8

Diethyl Ether
Concen: 76.47 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 75.77 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

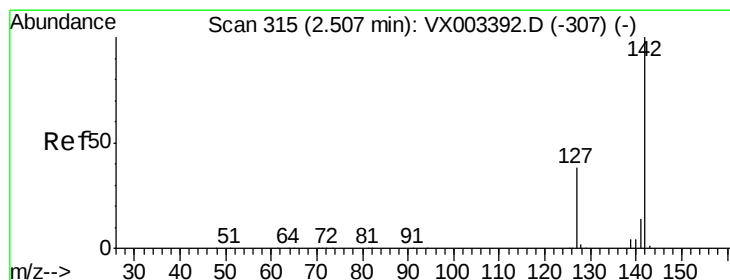
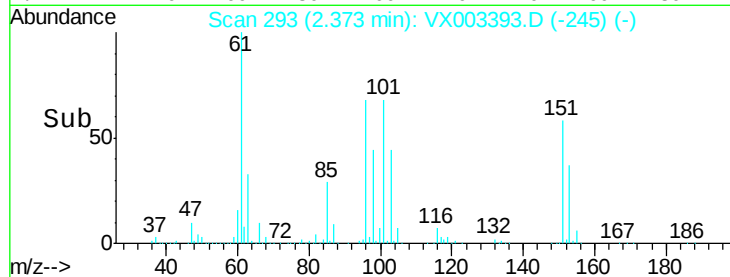
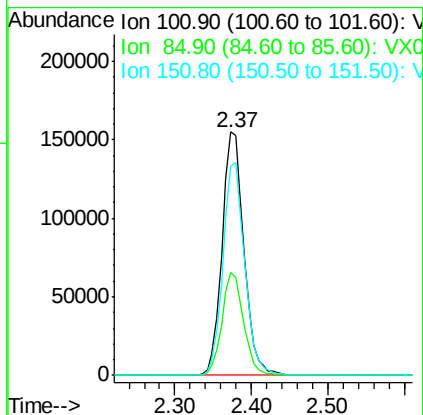
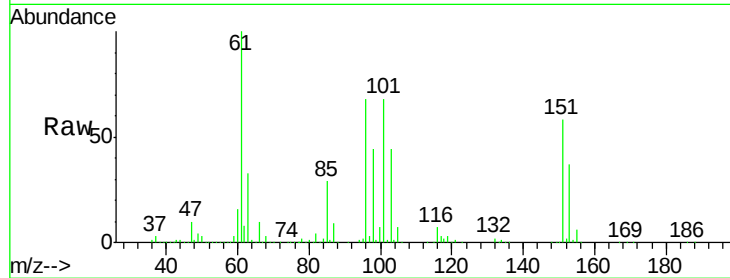
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	305183
Ion Ratio	Lower	Upper	
101	100		
85	41.8	36.0	54.0
151	87.2	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 97.78 ug/l

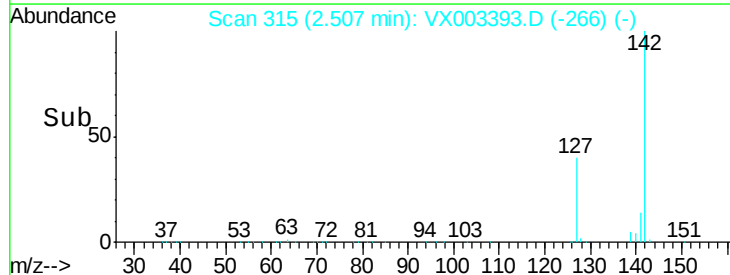
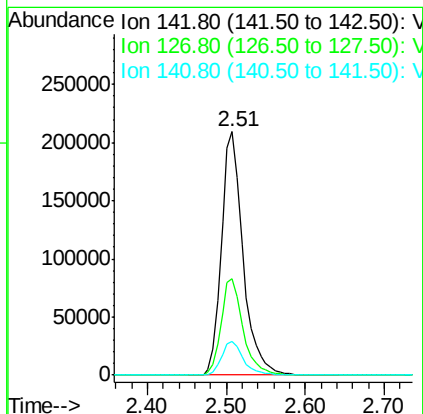
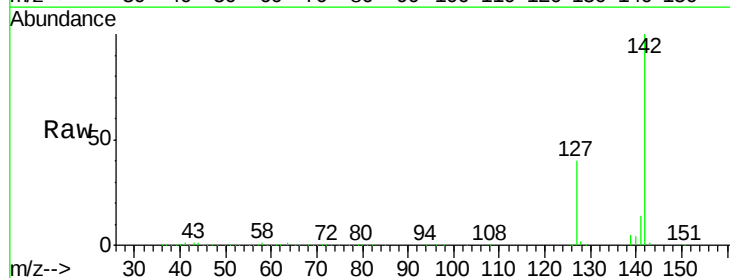
RT: 2.51 min Scan# 315

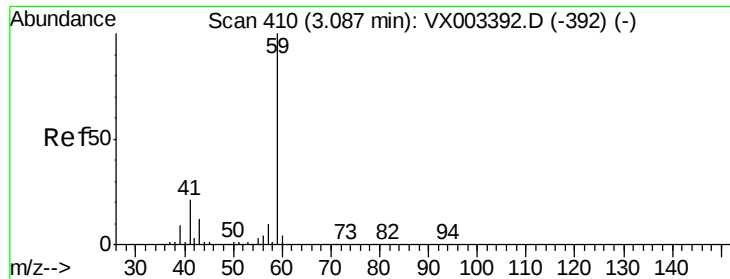
Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Tgt Ion:	142	Resp:	399997
Ion Ratio	Lower	Upper	
142	100		
127	40.1	36.6	55.0
141	13.9	11.3	16.9





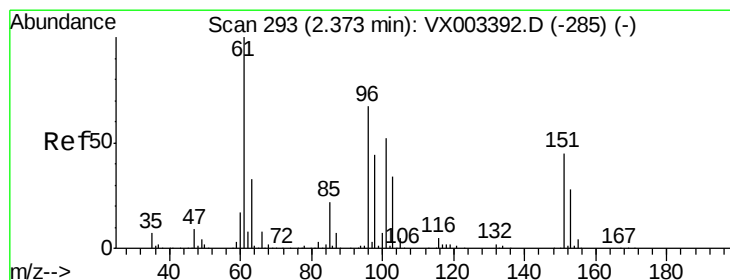
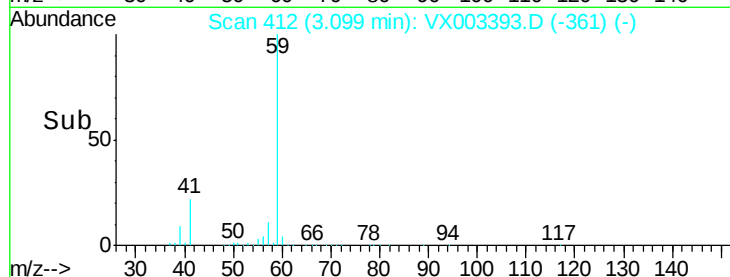
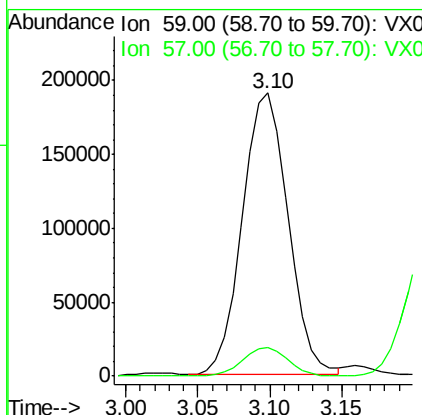
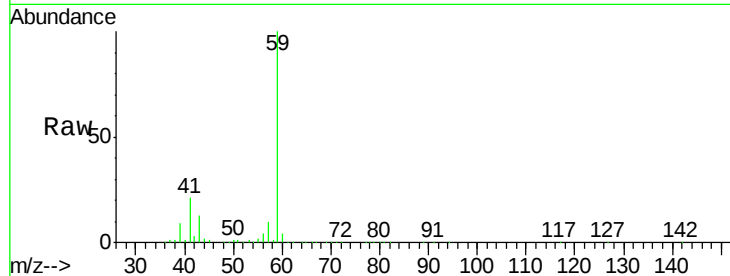
#11
Tert butyl alcohol
Concen: 429.35 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	419425
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.2

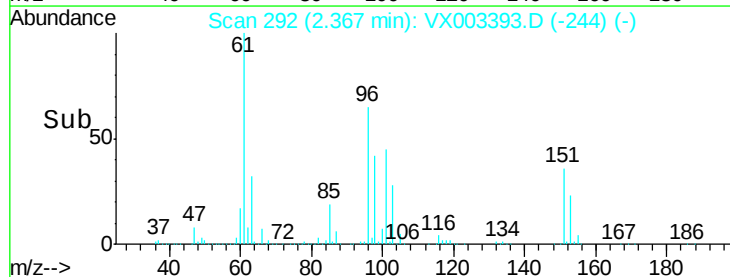
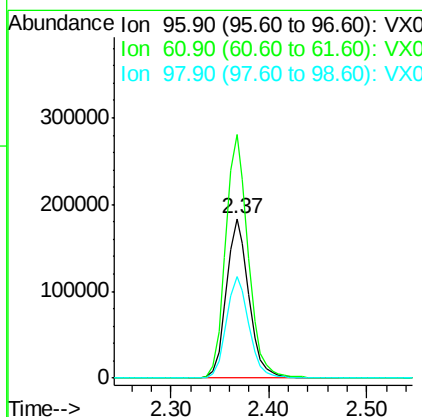
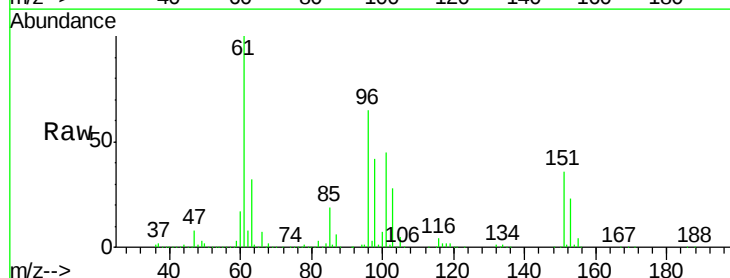
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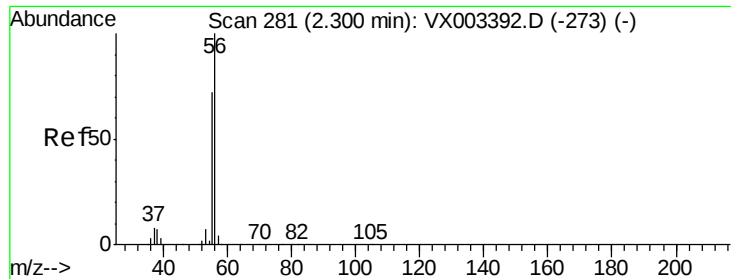
MMDadoda
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#12
1,1-Dichloroethene
Concen: 78.51 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	96	Resp	293638
Ion Ratio	100	Lower	Upper
61	152.7	137.9	206.9
98	63.6	51.6	77.4





#13

Acrolein

Concen: 563.58 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 218214

Ion Ratio Lower Upper

56 100

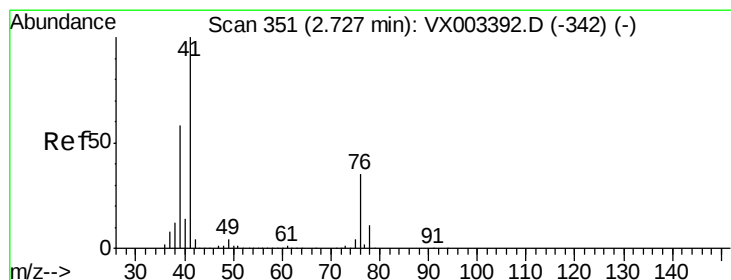
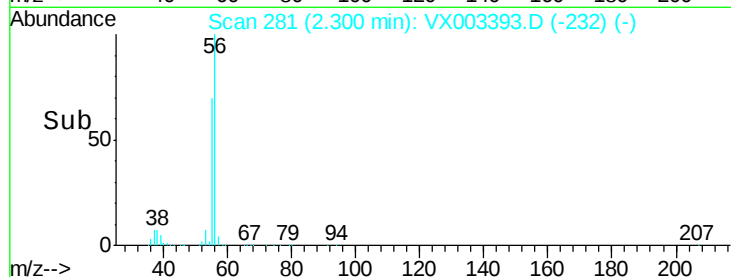
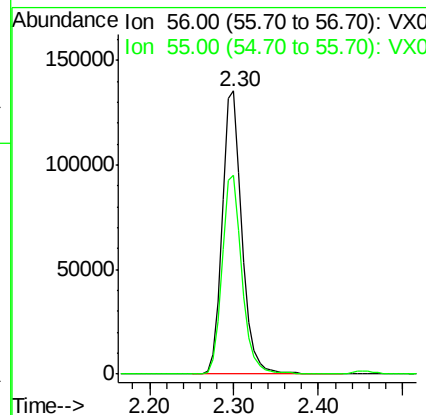
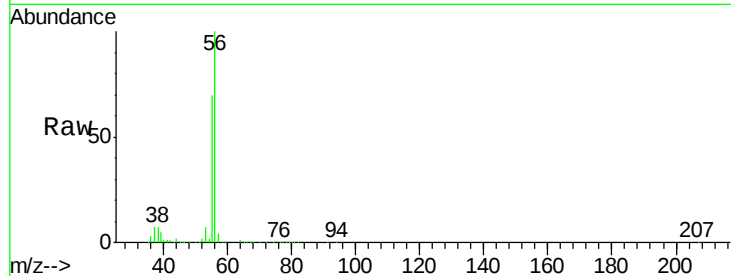
55 70.9 57.0 85.4

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#14

Allyl chloride

Concen: 74.64 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

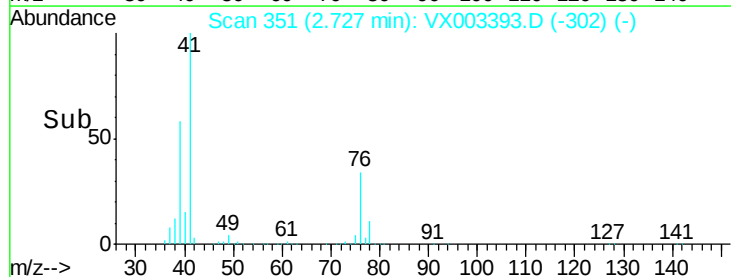
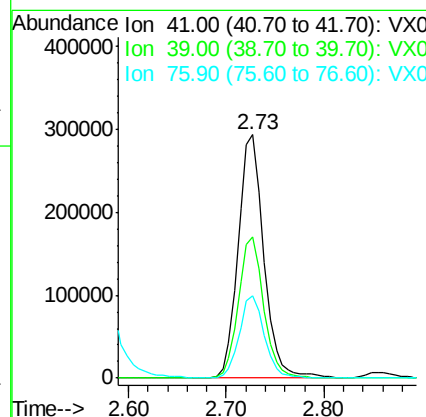
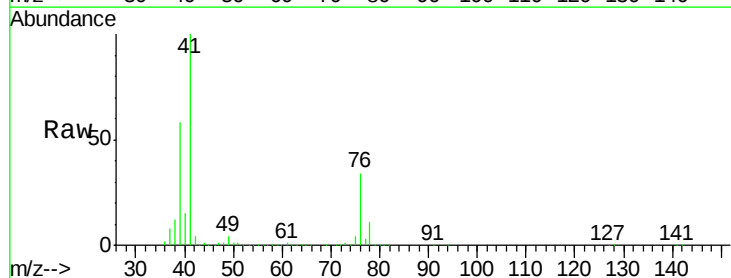
Tgt Ion: 41 Resp: 535420

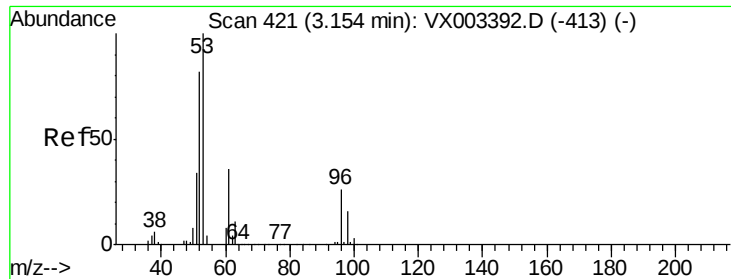
Ion Ratio Lower Upper

41 100

39 56.9 56.8 85.2

76 33.1 23.8 35.8





#15

Acrylonitrile

Concen: 395.29 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

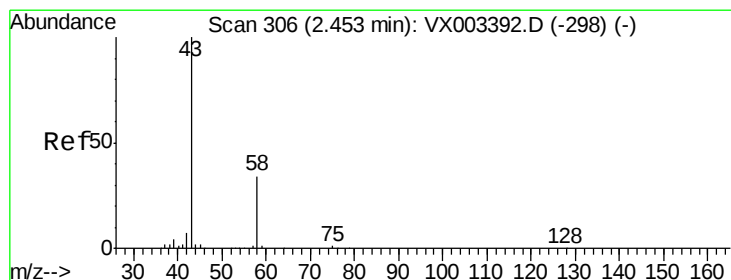
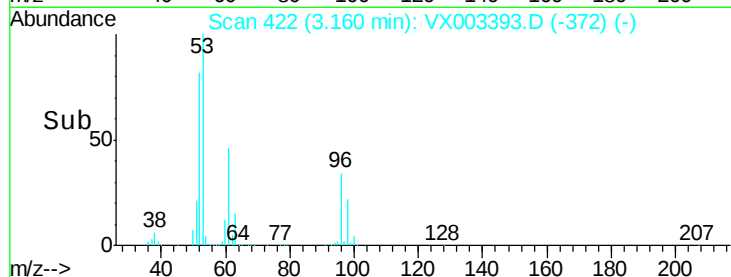
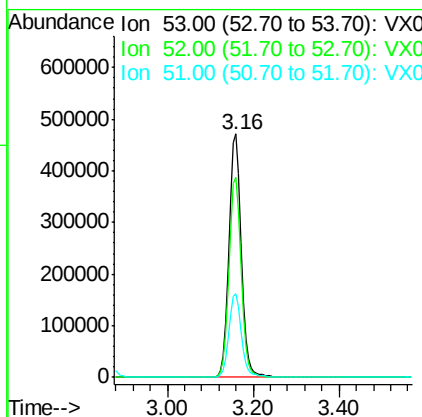
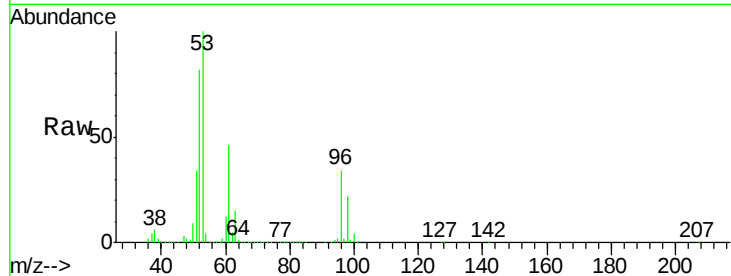
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	964089
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.7	100.1
51	34.7	29.9	44.9

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#16

Acetone

Concen: 407.27 ug/l

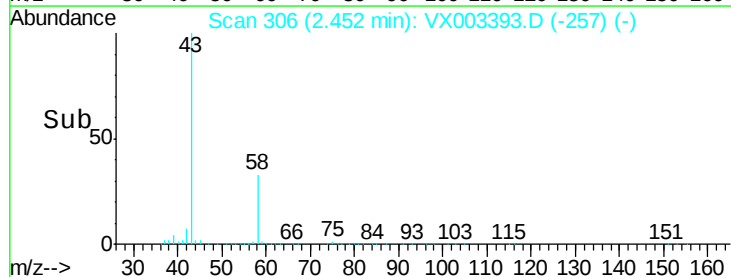
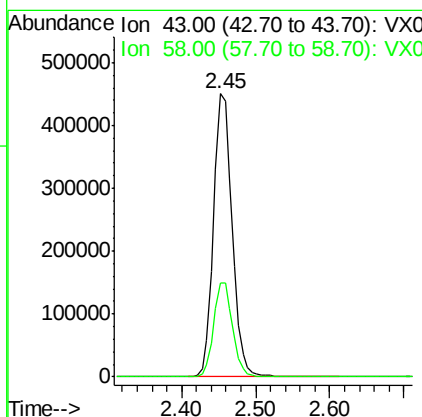
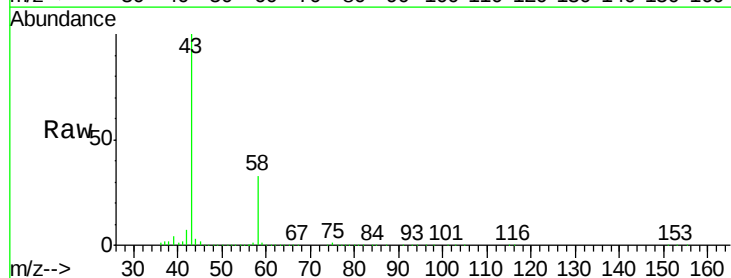
RT: 2.45 min Scan# 306

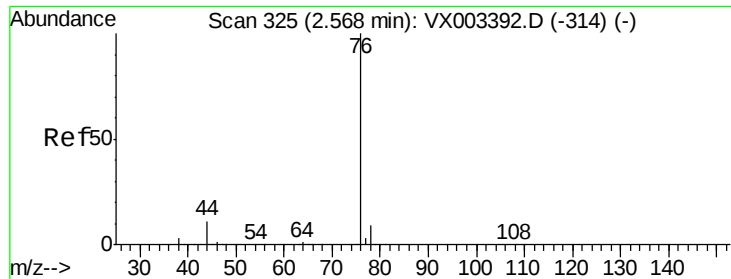
Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Tgt Ion:	43	Resp:	770175
Ion Ratio	Lower	Upper	
43	100		
58	33.2	22.1	33.1#





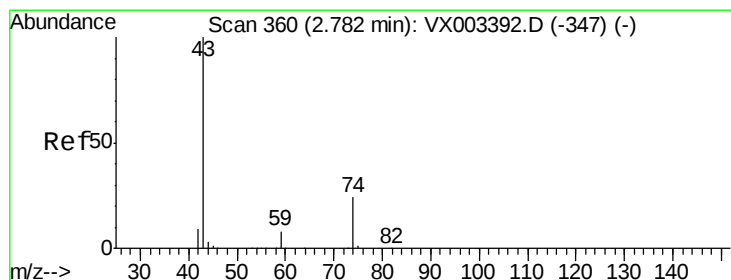
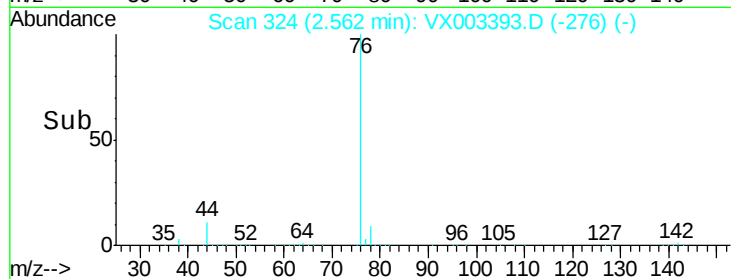
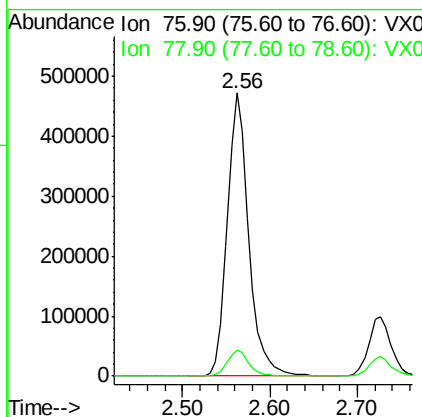
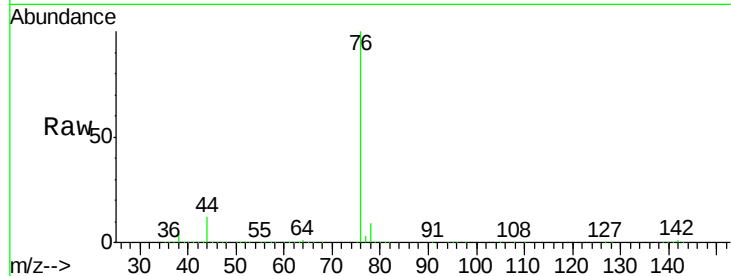
#17
Carbon Disulfide
Concen: 87.71 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

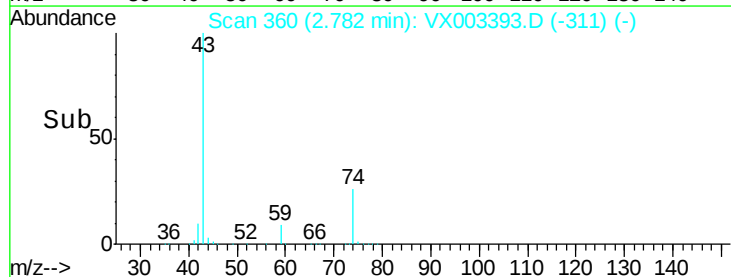
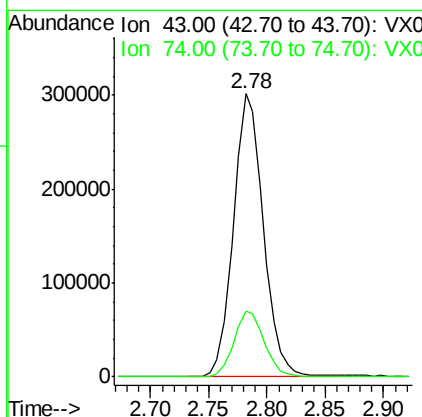
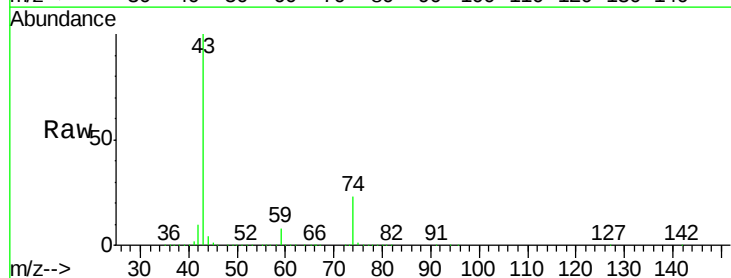
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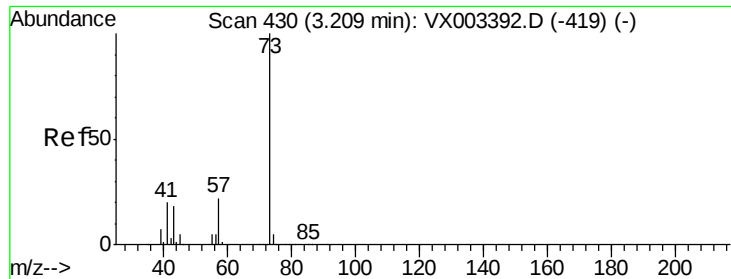
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#18
Methyl Acetate
Concen: 91.82 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	16.7	25.1





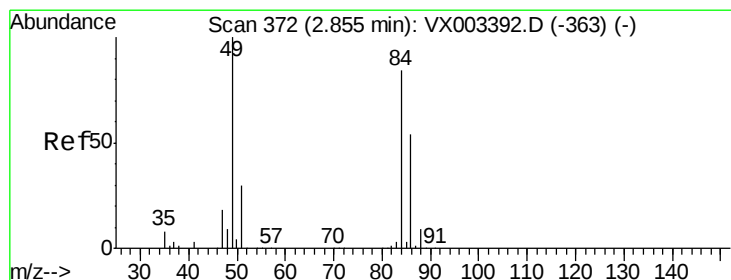
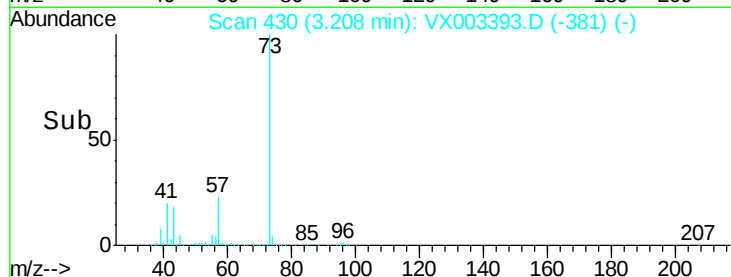
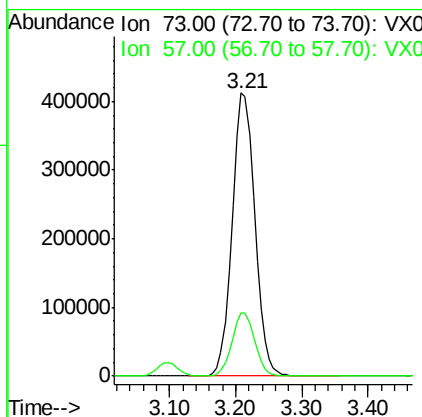
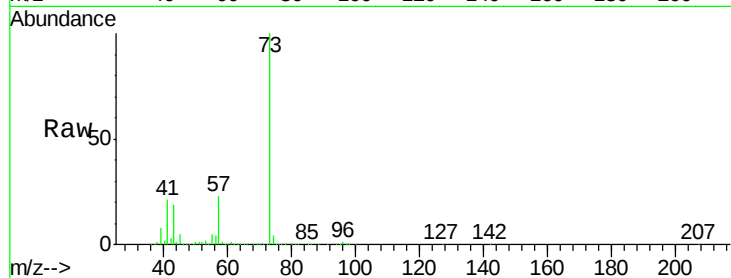
#19
Methyl tert-butyl Ether
Concen: 73.48 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 982794
Ion Ratio Lower Upper
73 100
57 22.5 17.7 26.5

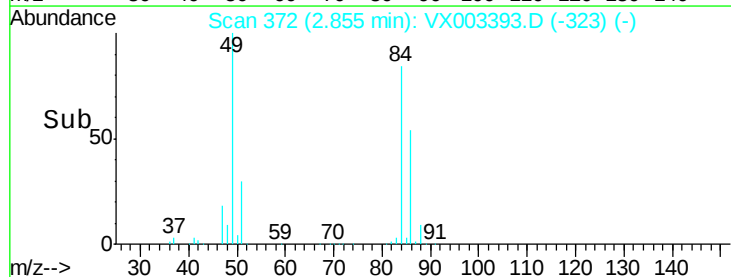
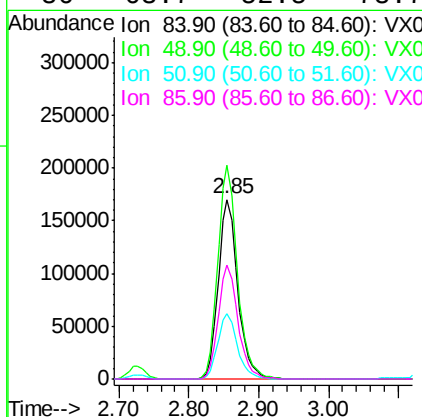
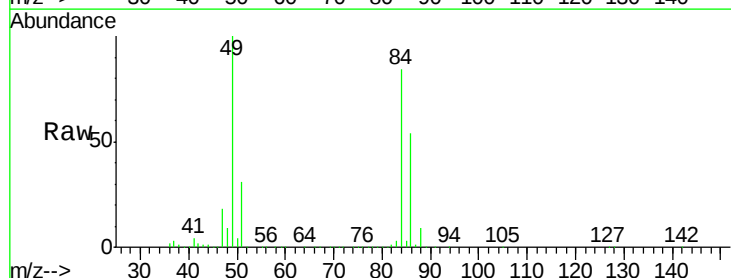
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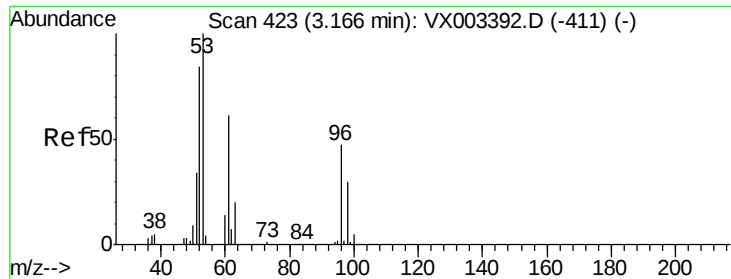
MMDadoda
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#20
Methylene Chloride
Concen: 72.45 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion: 84 Resp: 330420
Ion Ratio Lower Upper
84 100
49 119.0 107.8 161.6
51 36.3 32.8 49.2
86 63.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 77.90 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 310909

Ion Ratio Lower Upper

96 100

61 137.1 117.0 175.4

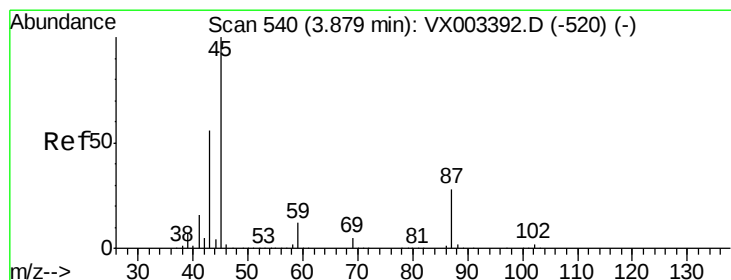
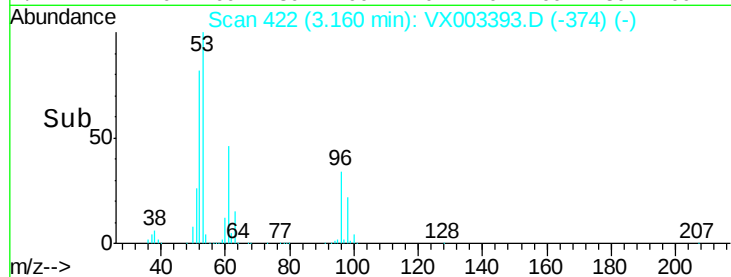
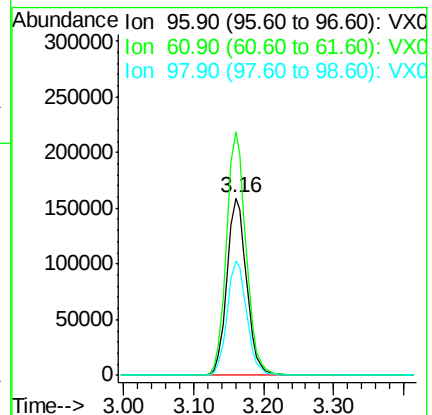
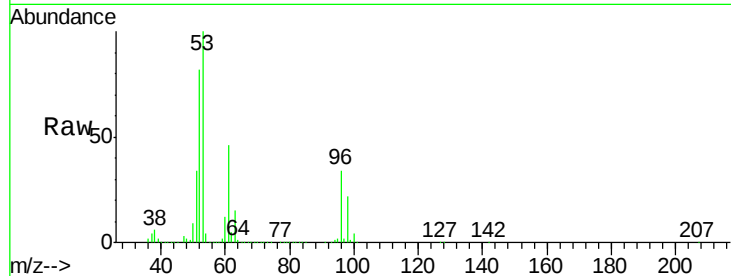
98 64.1 52.4 78.6

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#22

Diisopropyl ether

Concen: 76.23 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Tgt Ion: 45 Resp: 1017955

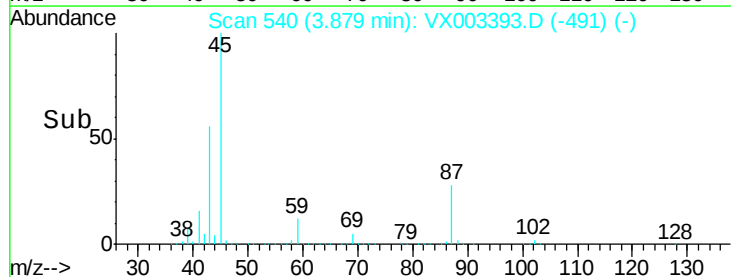
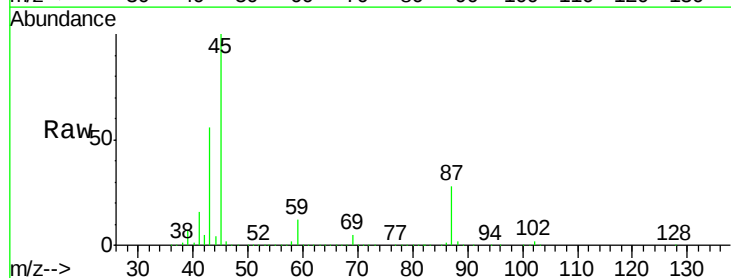
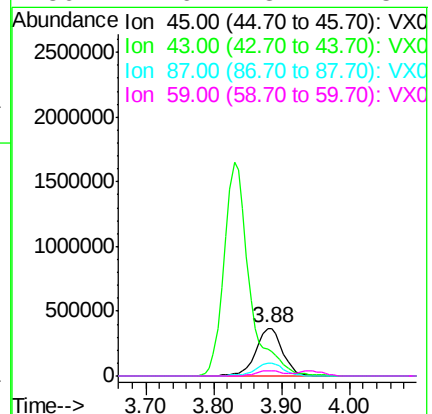
Ion Ratio Lower Upper

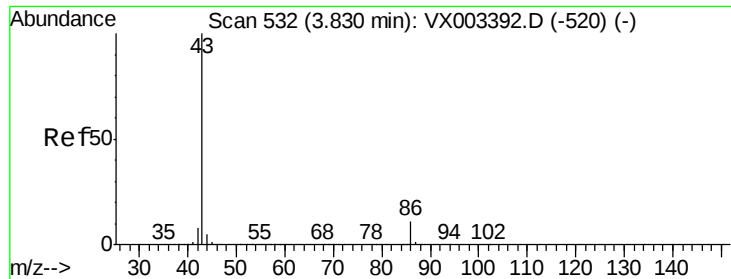
45 100

43 56.3 46.8 70.2

87 27.8 20.2 30.4

59 11.6 8.7 13.1





#23

Vinyl Acetate

Concen: 392.19 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 4279572

Ion Ratio Lower Upper

43 100

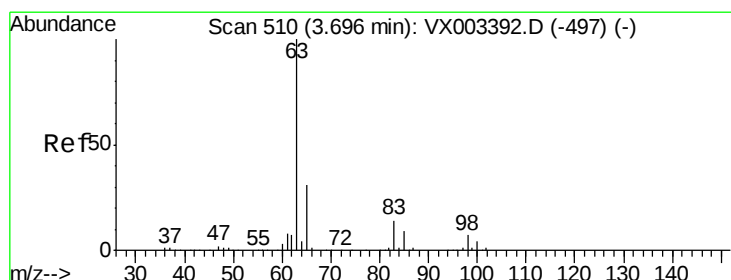
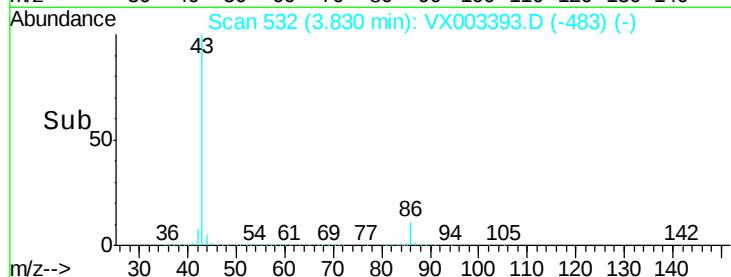
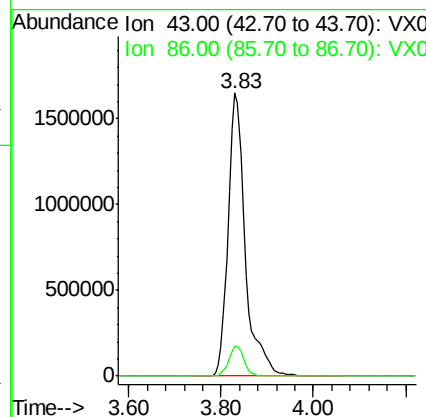
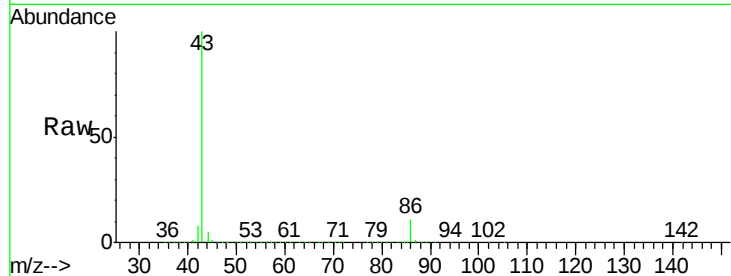
86 10.6 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 77.18 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

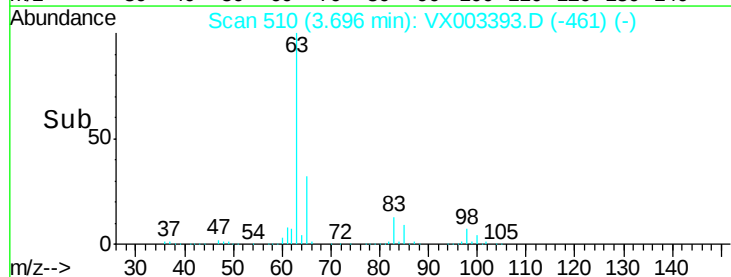
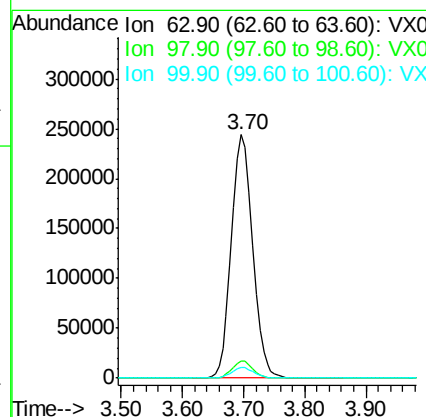
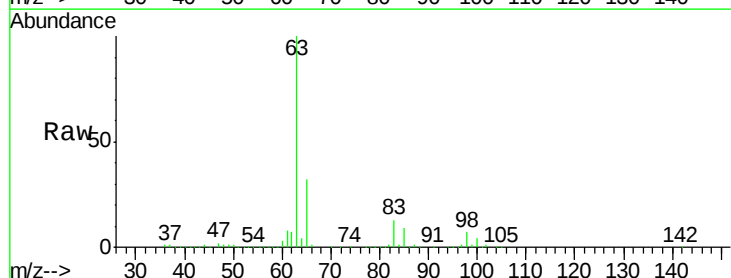
Tgt Ion: 63 Resp: 584323

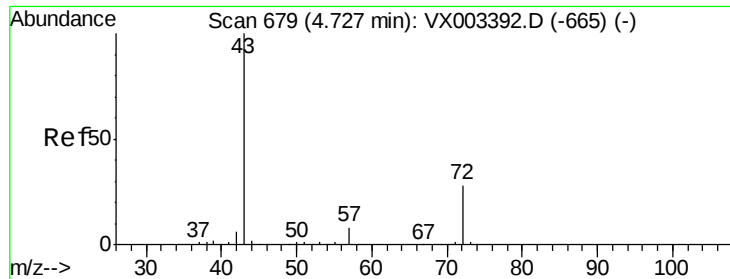
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.3 2.0 6.0





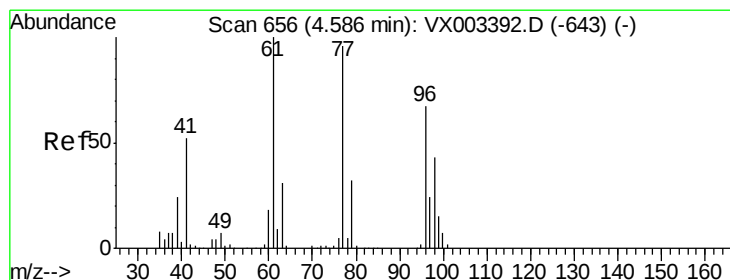
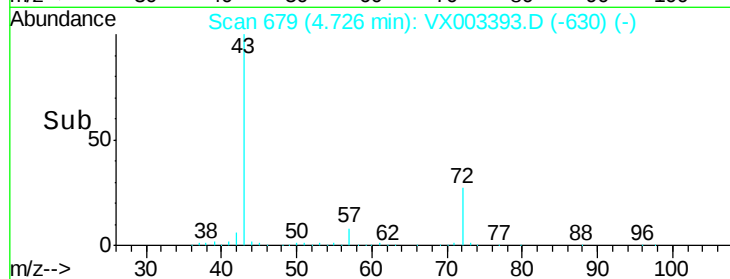
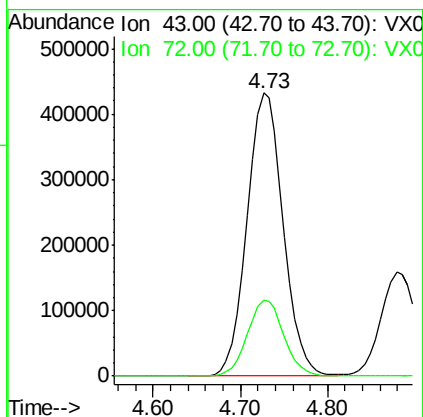
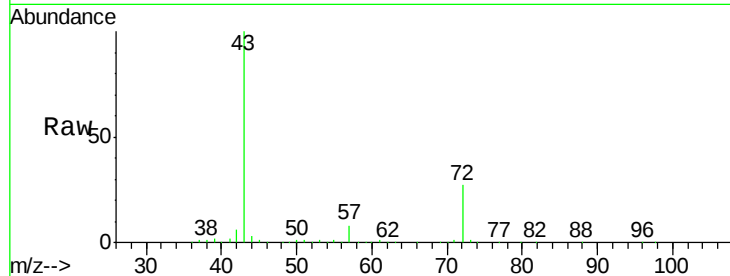
#25
2-Butanone
Concen: 423.10 ug/l
RT: 4.73 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1240163
Ion Ratio Lower Upper
43 100
72 27.1 18.5 27.7

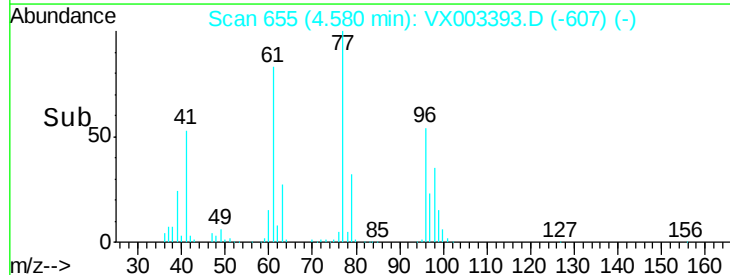
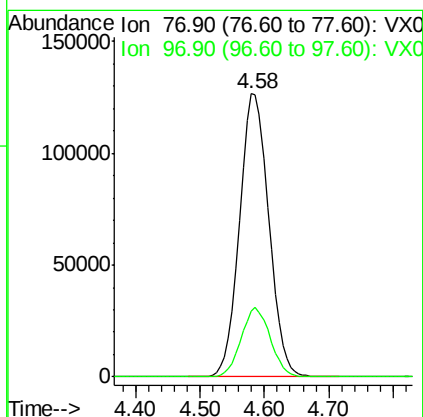
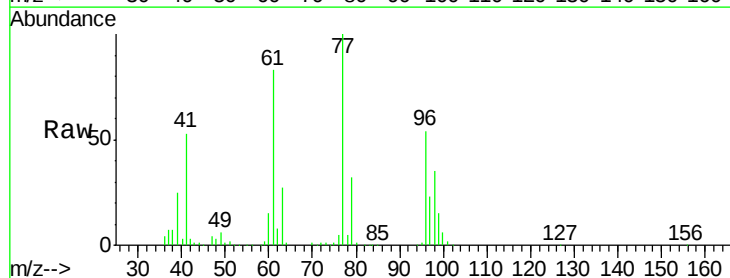
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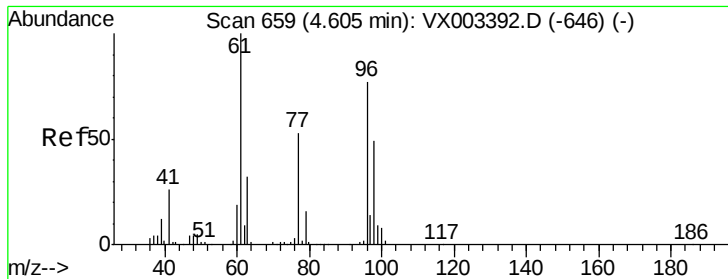
MMDadoda
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#26
2,2-Dichloropropane
Concen: 74.19 ug/l
RT: 4.58 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion: 77 Resp: 397566
Ion Ratio Lower Upper
77 100
97 24.4 11.2 33.5





#27

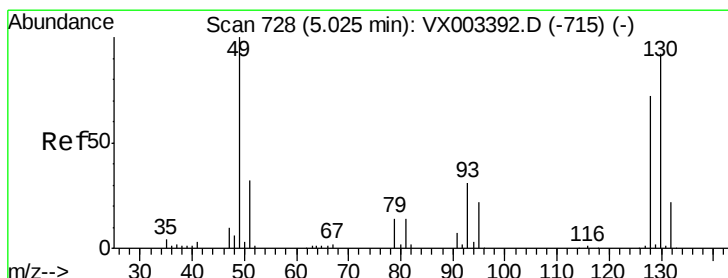
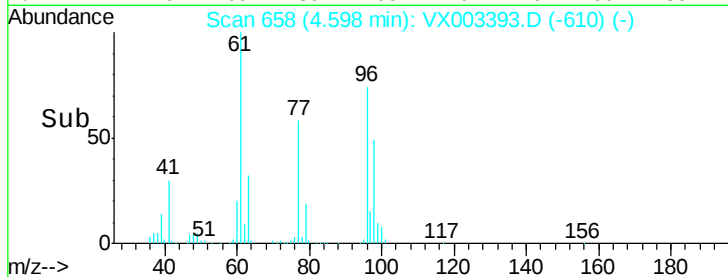
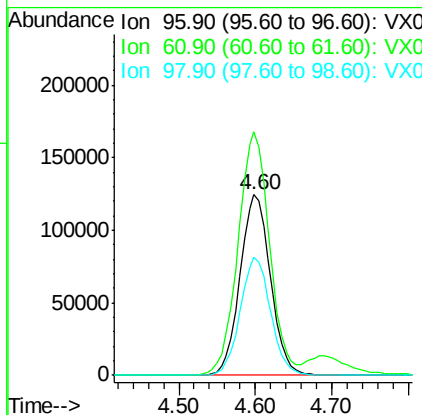
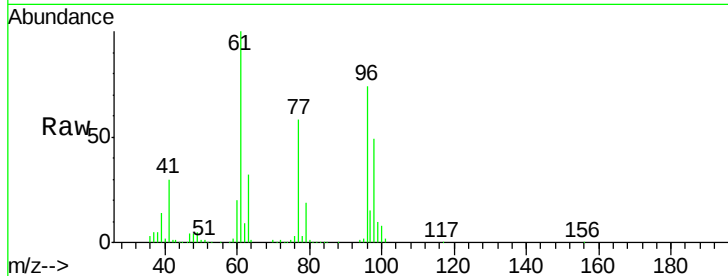
cis-1,2-Dichloroethene
 Concen: 78.42 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	344056		
61	139.7	0.0	330.2	
98	65.3	0.0	130.2	

Manual Integrations
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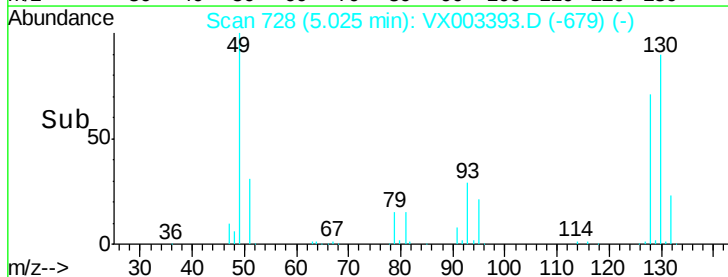
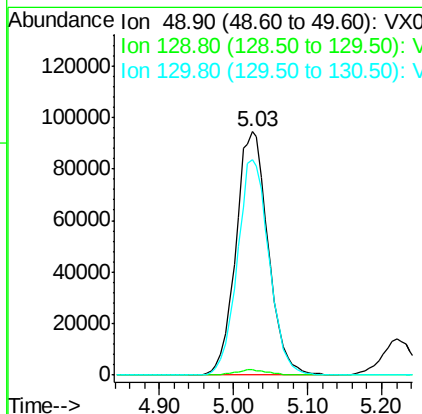
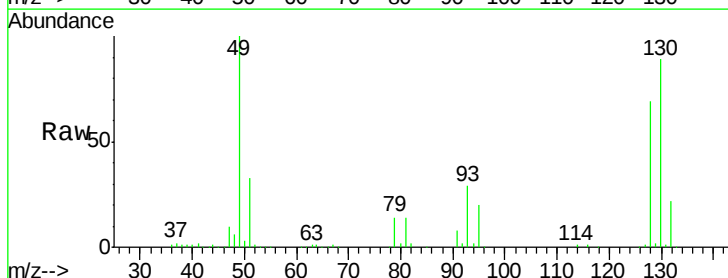
MMDadoda
 7/17/2018 1:46:32 PM

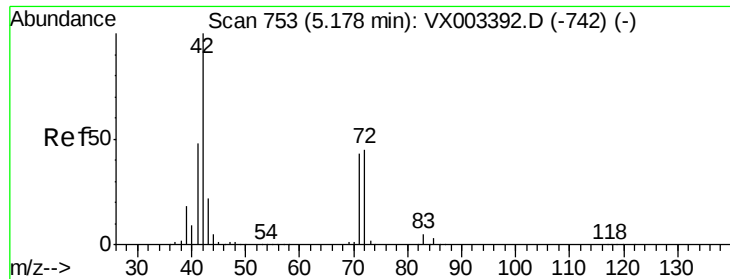


#28

Bromochloromethane
 Concen: 83.24 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	287117		
129	2.2	0.0	4.2	
130	86.8	61.2	91.8	





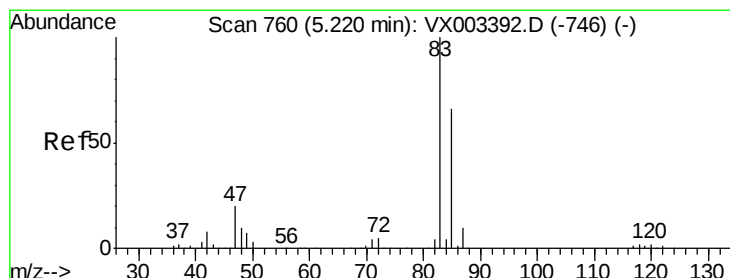
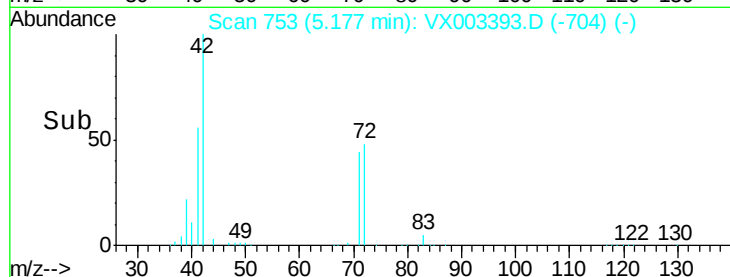
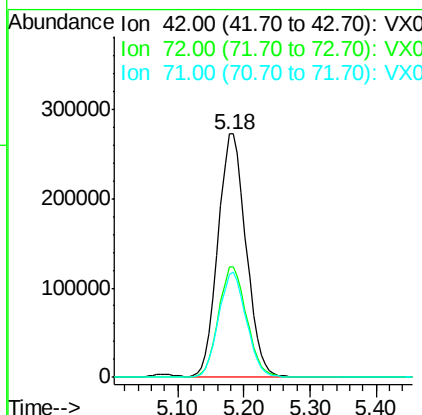
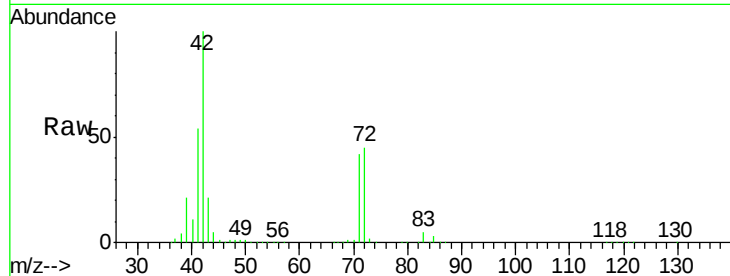
#29
Tetrahydrofuran
Concen: 427.27 ug/l
RT: 5.18 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	32.0	48.0
71	42.7	30.1	45.1

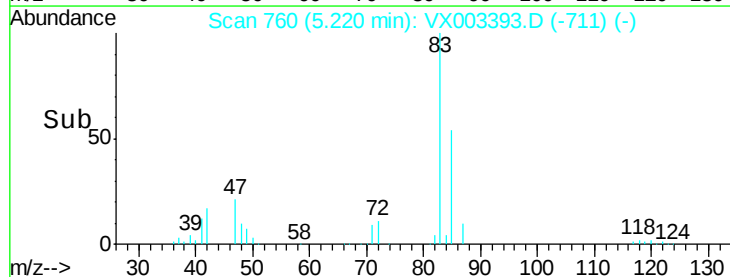
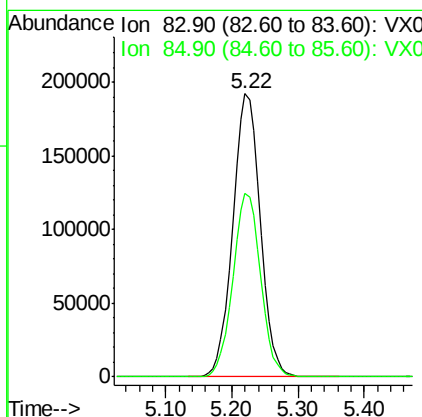
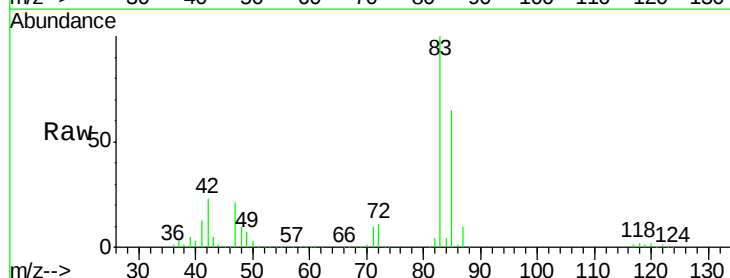
Manual Integrations
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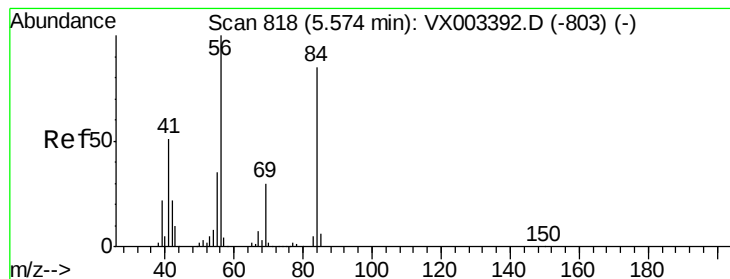
MMDadoda
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#30
Chloroform
Concen: 76.32 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.4	75.6





#31

Cyclohexane

Concen: 82.92 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

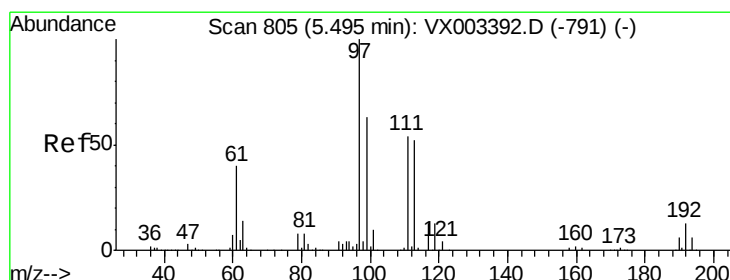
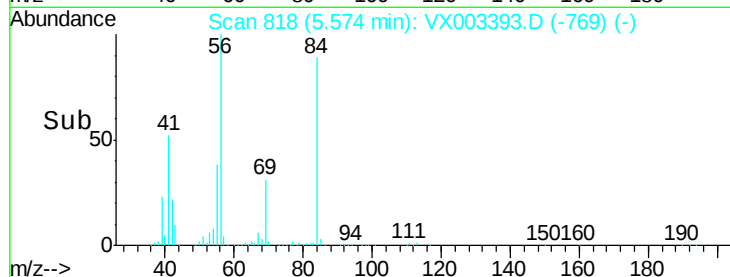
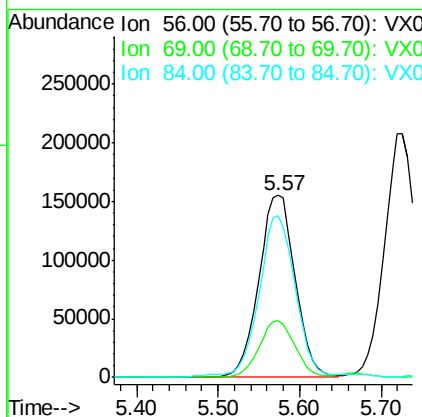
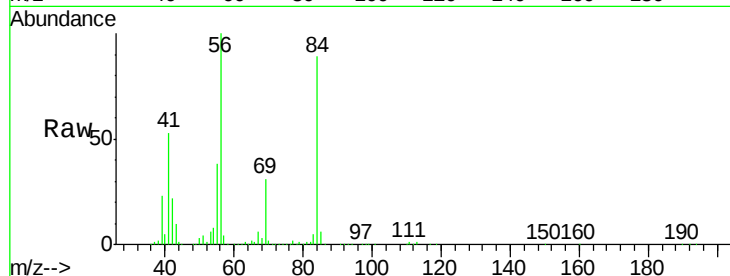
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	480448
Ion Ratio	Lower	Upper	
56	100		
69	31.0	23.7	35.5
84	88.8	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 79.80 ug/l

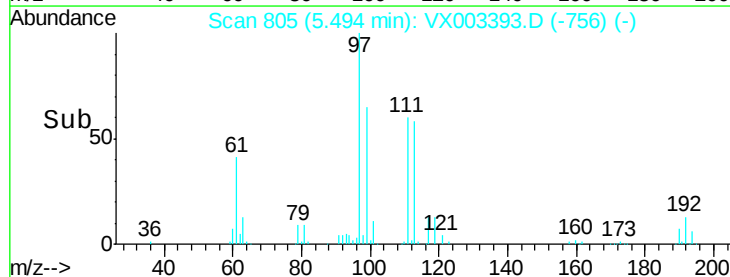
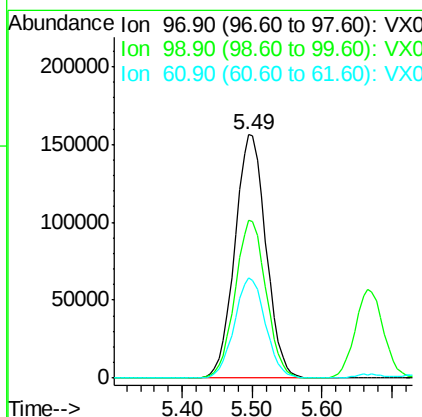
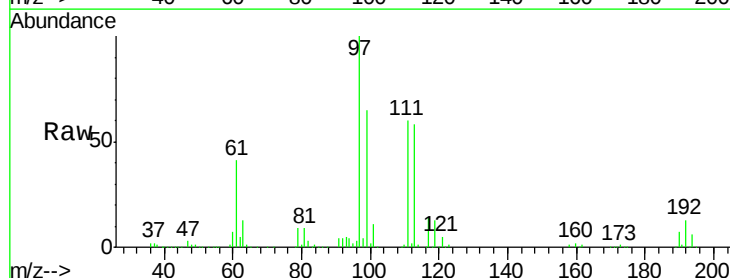
RT: 5.49 min Scan# 805

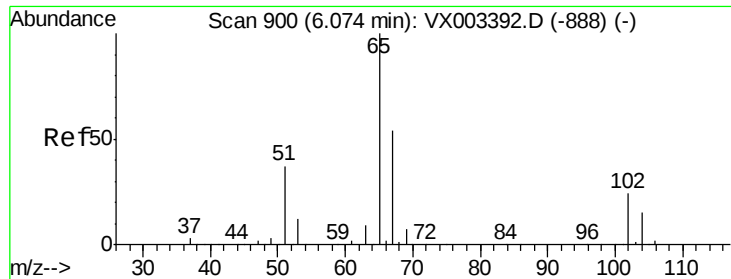
Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Tgt Ion:	97	Resp:	482468
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.6	77.4
61	41.3	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 101.47 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 407183

Ion Ratio Lower Upper

65 100

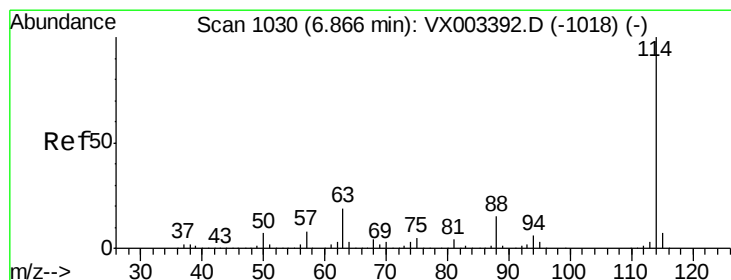
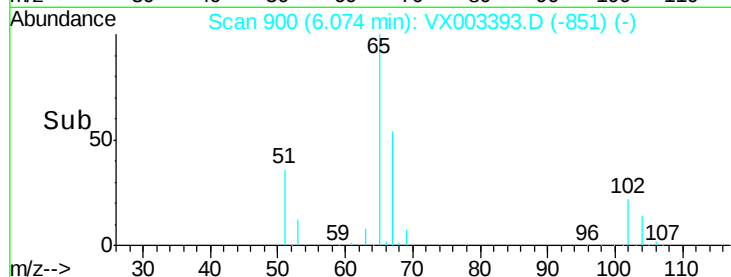
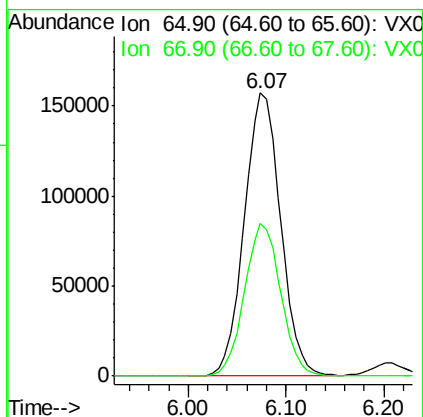
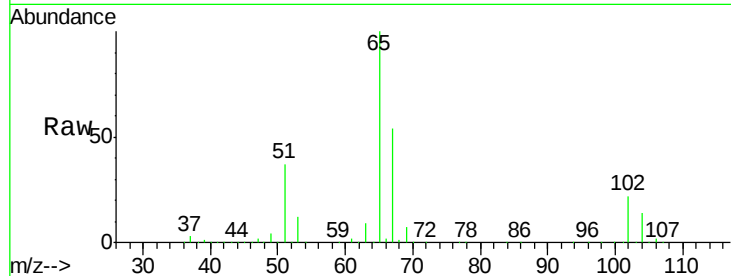
67 53.9 0.0 102.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

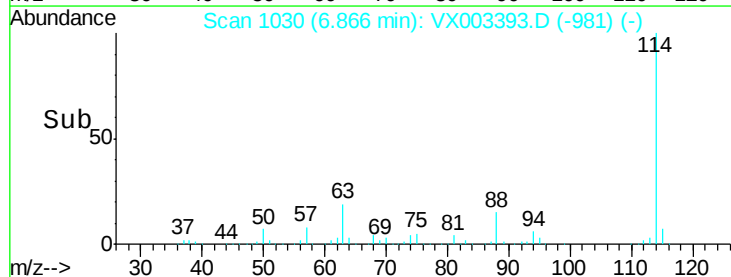
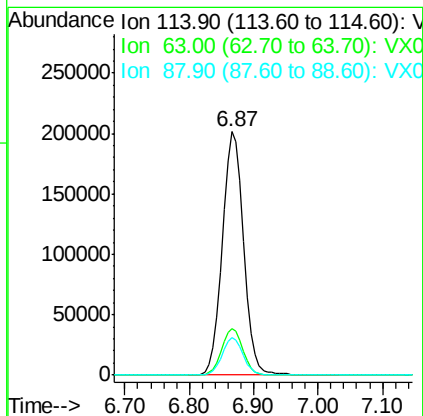
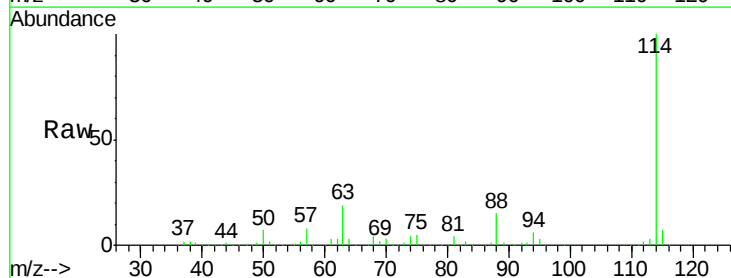
Tgt Ion: 114 Resp: 472780

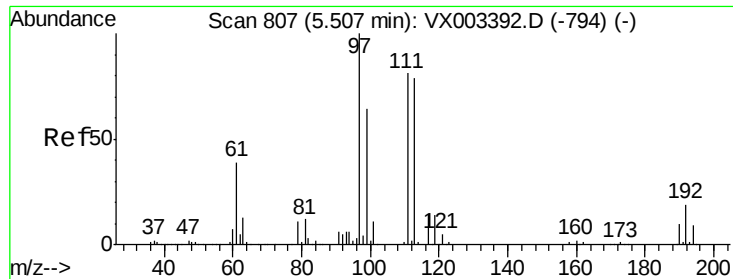
Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.4

88 15.3 0.0 30.0





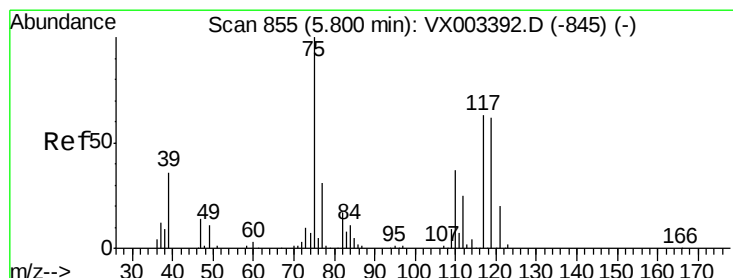
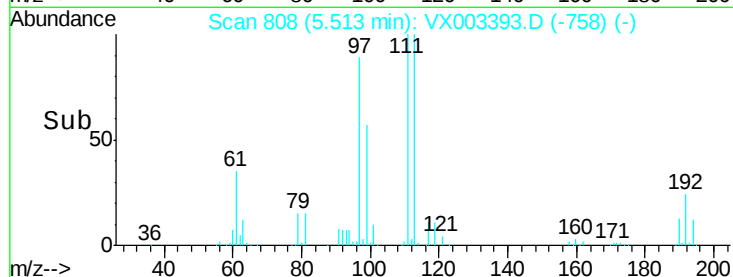
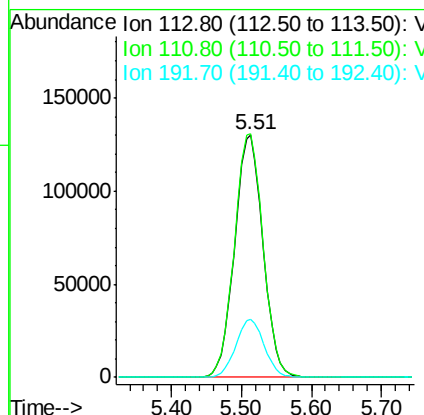
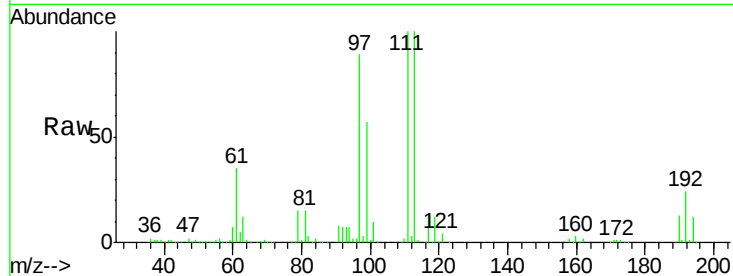
#35
Dibromofluoromethane
Concen: 105.24 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	366217		
111	101.3	81.4	122.0	
192	24.0	19.1	28.7	

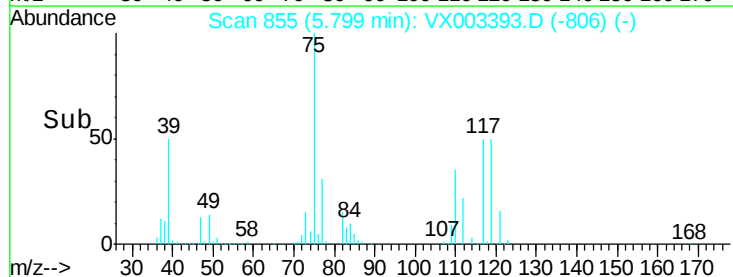
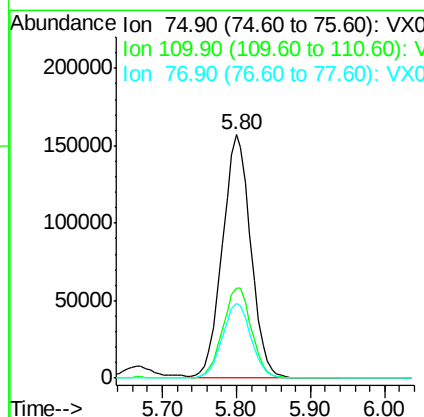
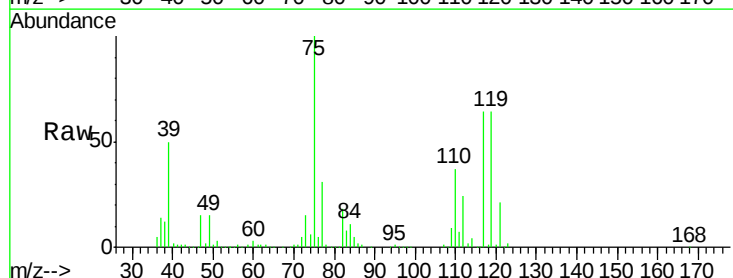
Manual Integrations
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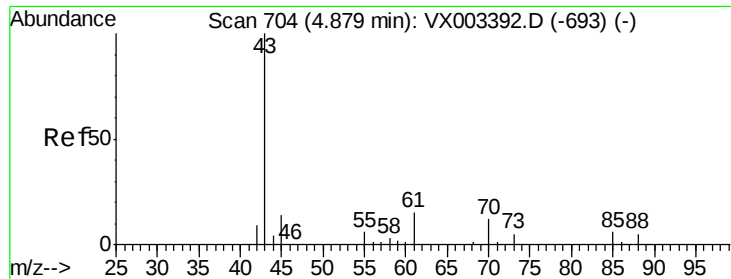
MMDadoda
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#36
1,1-Dichloropropene
Concen: 82.56 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	414652		
110	38.0	18.1	54.4	
77	31.6	24.3	36.5	





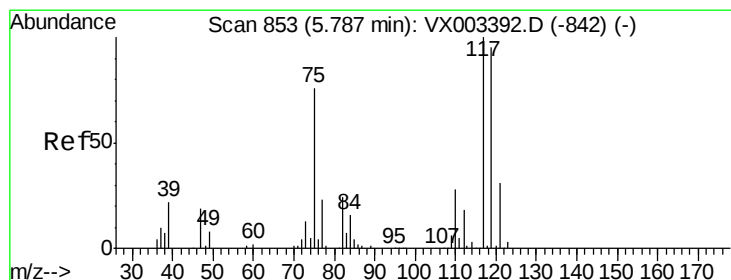
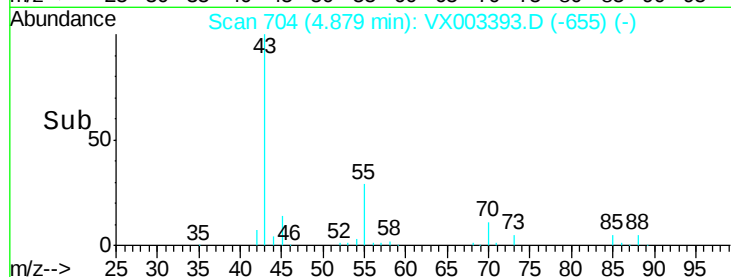
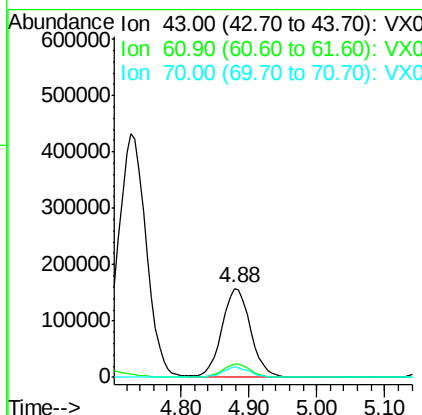
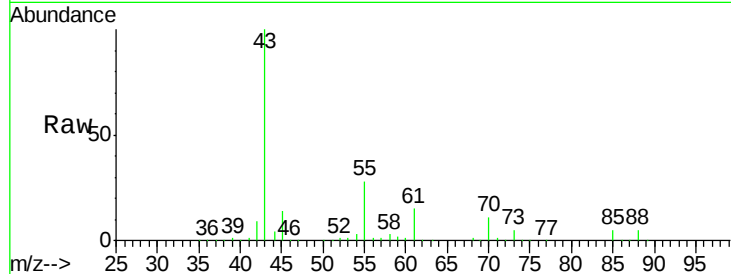
#37
Ethyl Acetate
Concen: 83.28 ug/l
RT: 4.88 min Scan# 704
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.4	15.6
70	11.1	7.6	11.4

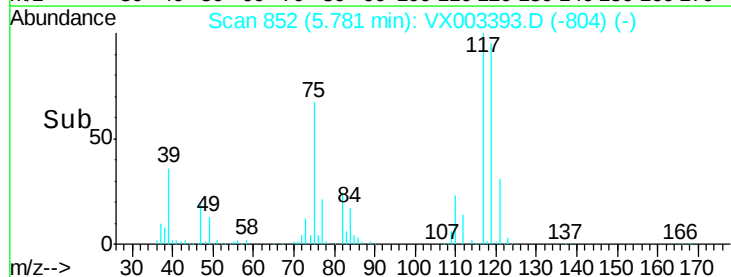
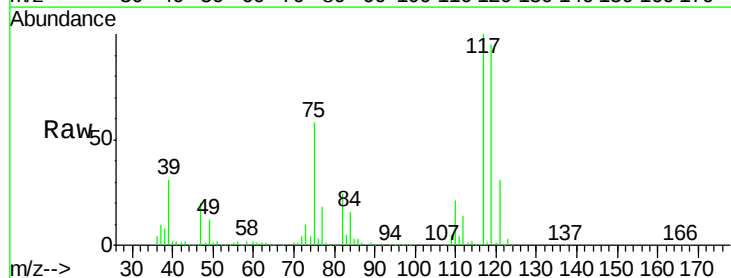
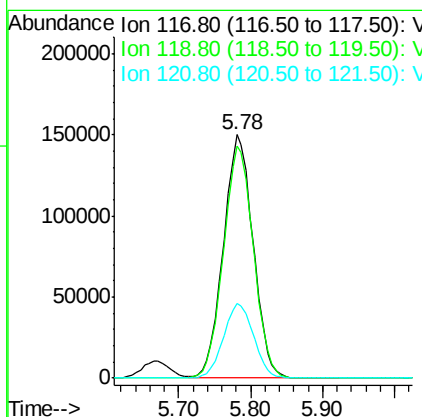
Manual Integrations
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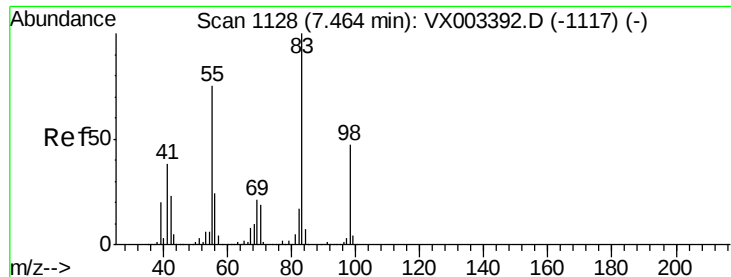
MMDadoda
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#38
Carbon Tetrachloride
Concen: 84.12 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
121	30.8	24.4	36.6





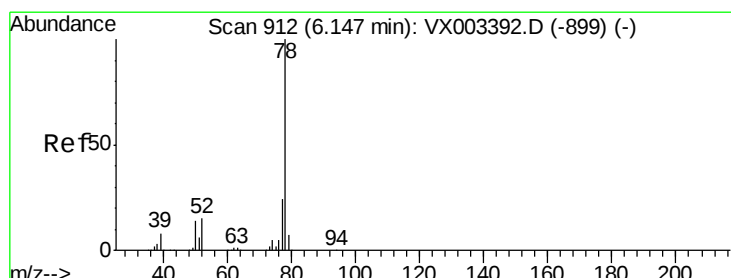
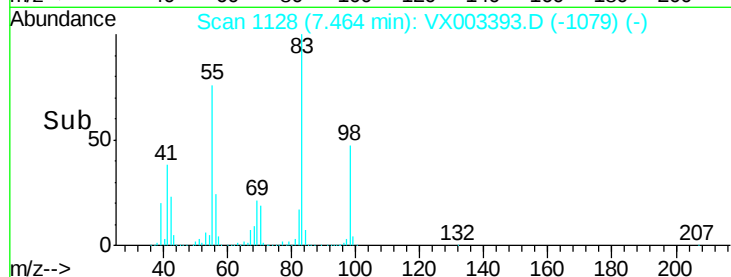
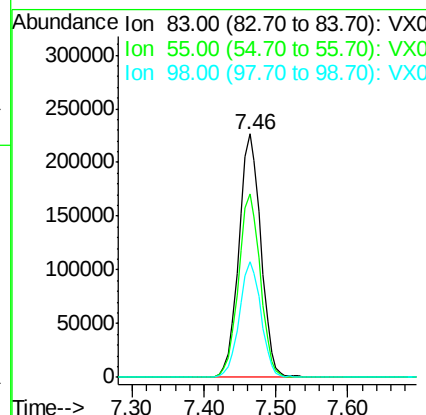
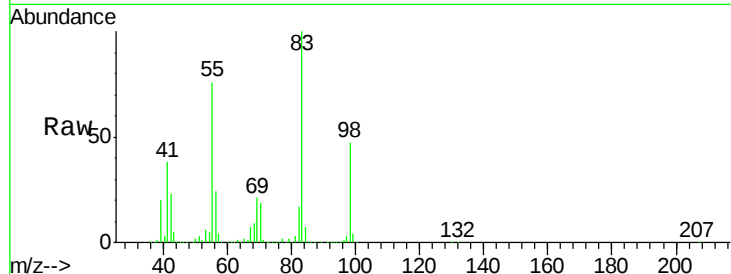
#39
Methvlcvclohexane
Concen: 84.50 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	65.4	98.0
98	47.3	37.4	56.0

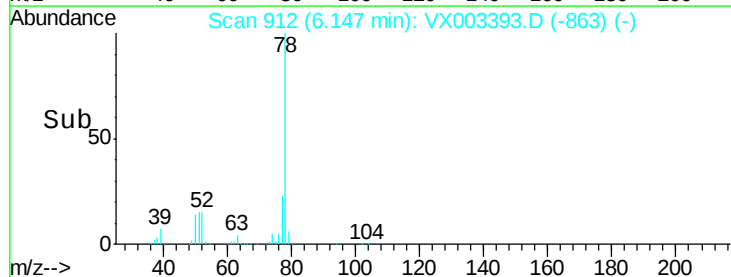
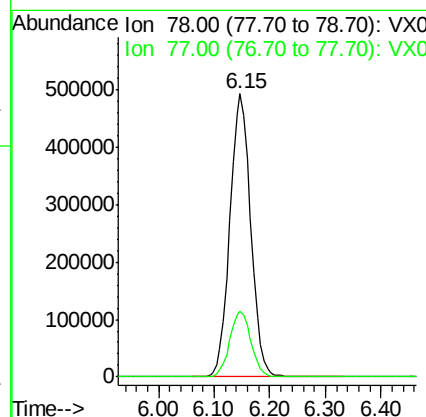
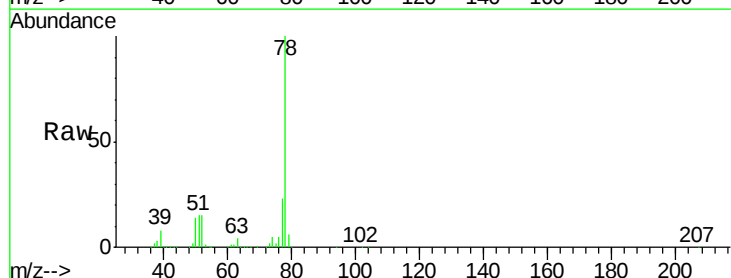
Manual Integrations
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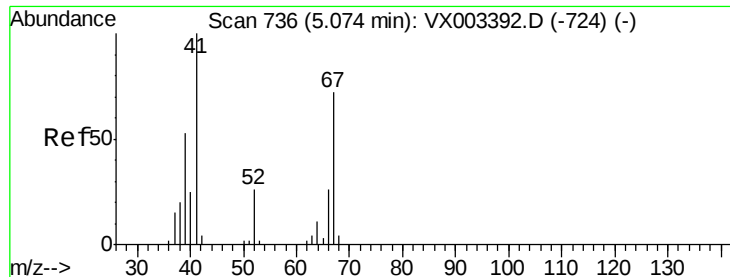
MMDadoda
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#40
Benzene
Concen: 80.85 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





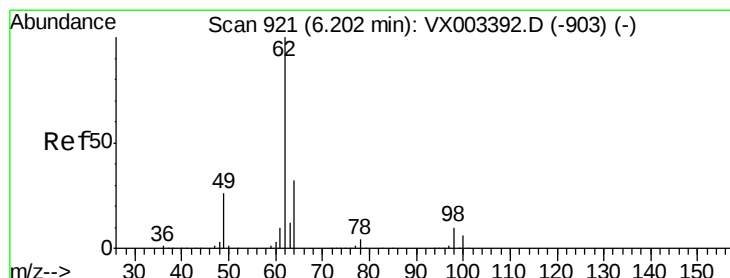
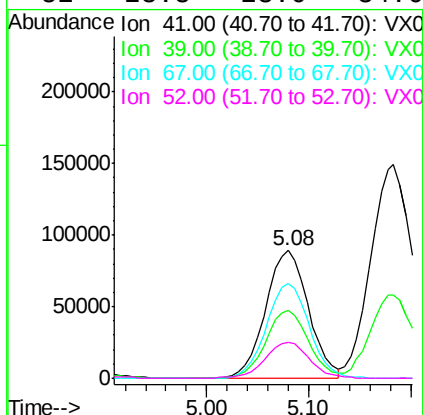
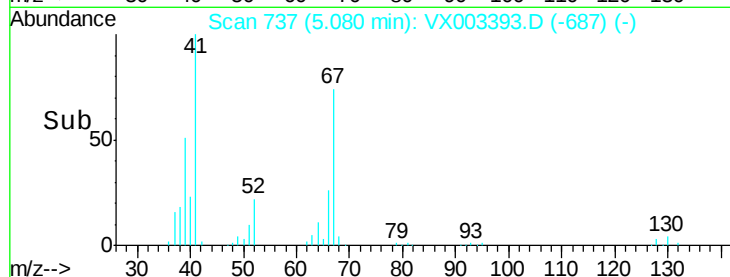
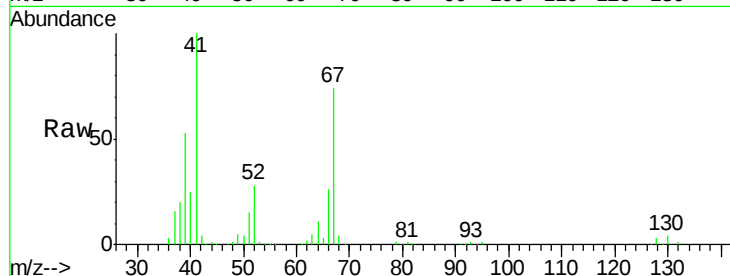
#41
Methacrylonitrile
Concen: 82.10 ug/l
RT: 5.08 min Scan# 737
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	258859
Ion Ratio	Lower	Upper	
41	100		
39	52.8	45.8	68.6
67	74.6	51.3	76.9
52	28.8	23.0	34.6

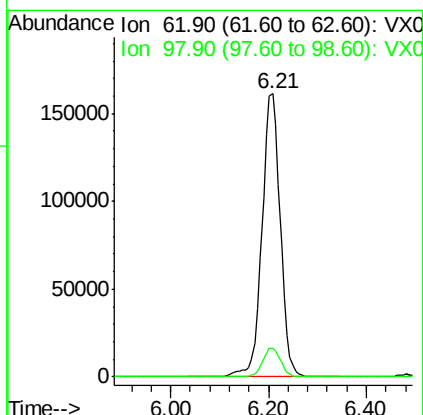
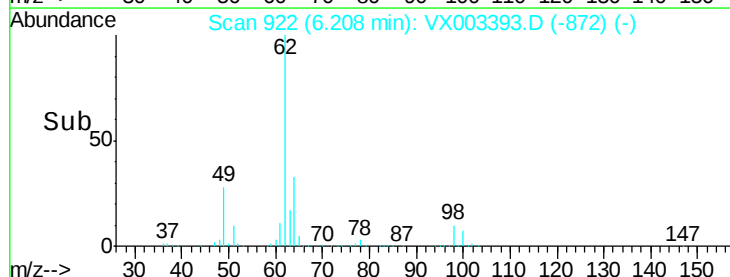
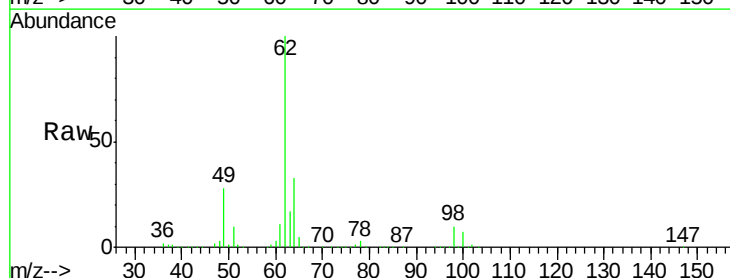
Manual Integrations
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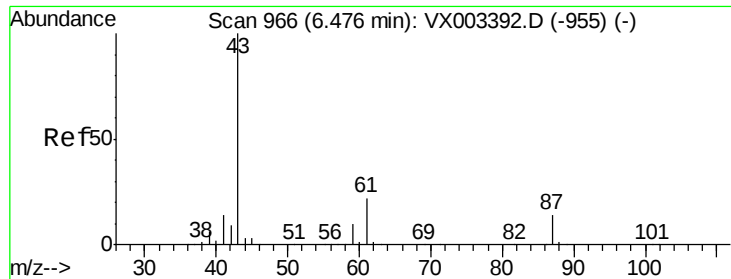
MMDadoda
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#42
1,2-Dichloroethane
Concen: 76.29 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion:	62	Resp:	419237
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	16.6





#43

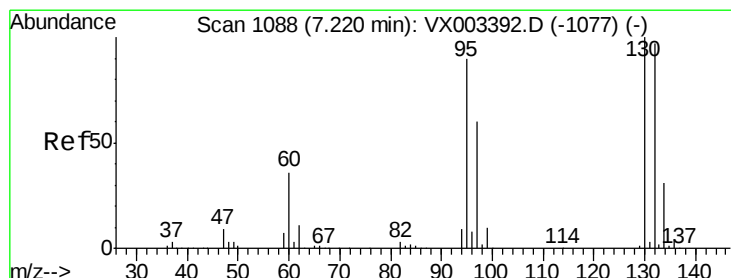
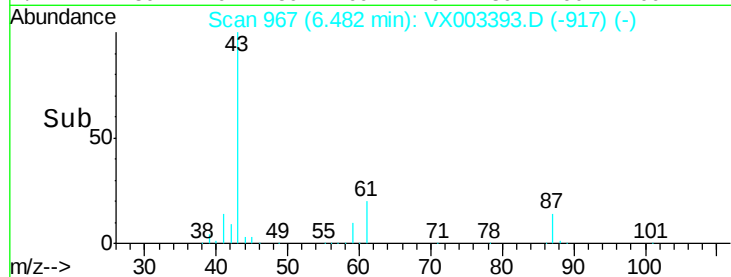
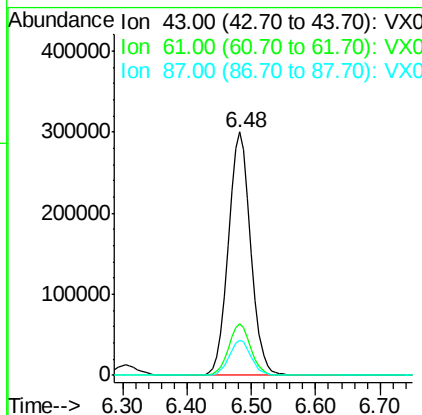
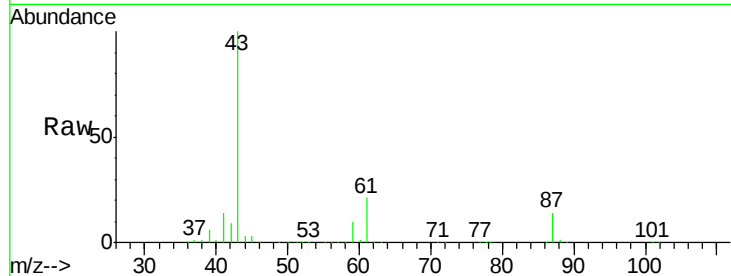
Isopropyl Acetate
 Concen: 84.40 ug/l
 RT: 6.48 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	14.4	21.6
87	14.3	9.5	14.3

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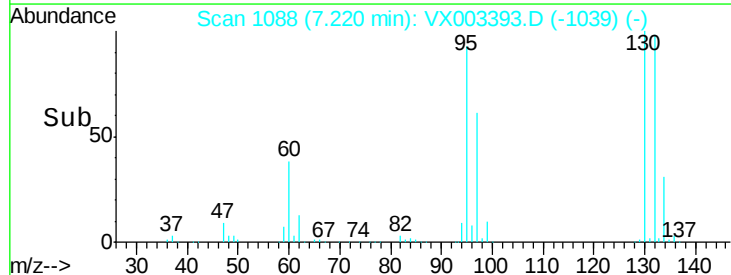
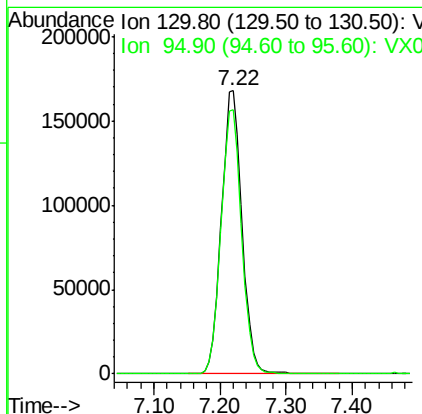
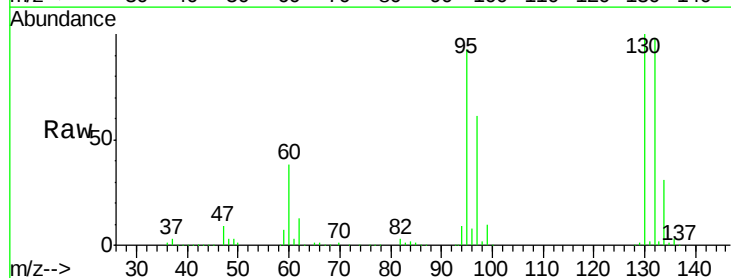
MMDadoda
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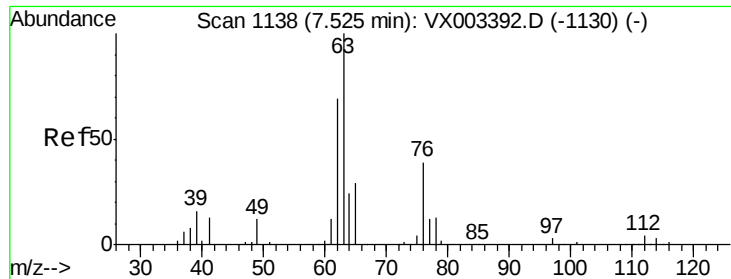


#44

Trichloroethene
 Concen: 80.97 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	185.4





#45

1,2-Dichloropropane

Concen: 77.84 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 324818

Ion Ratio Lower Upper

63 100

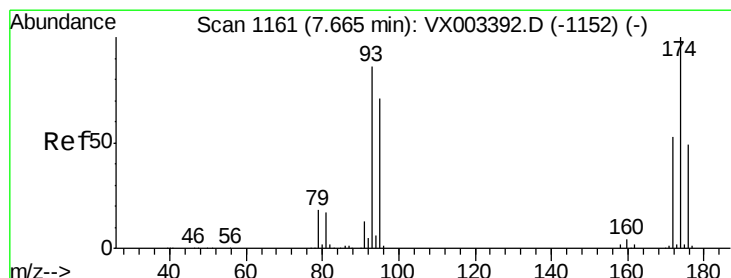
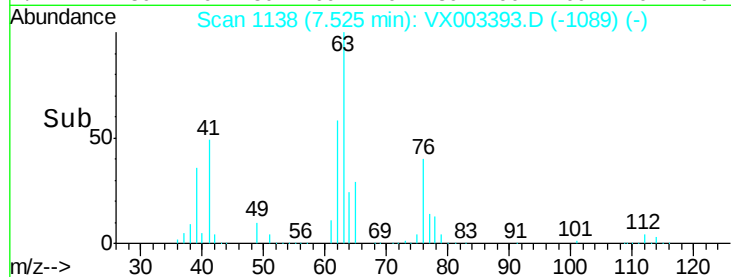
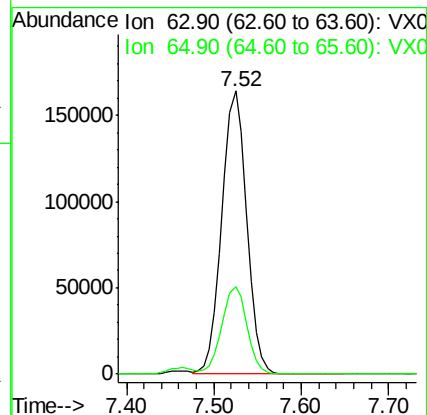
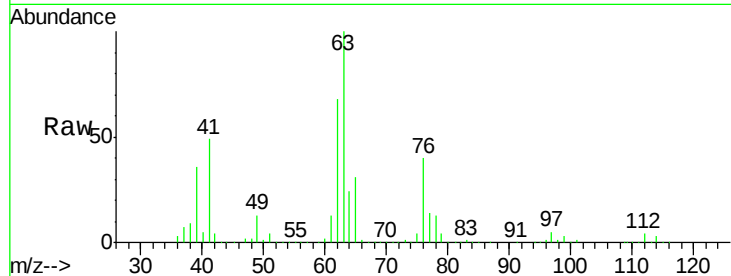
65 30.8 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 80.83 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

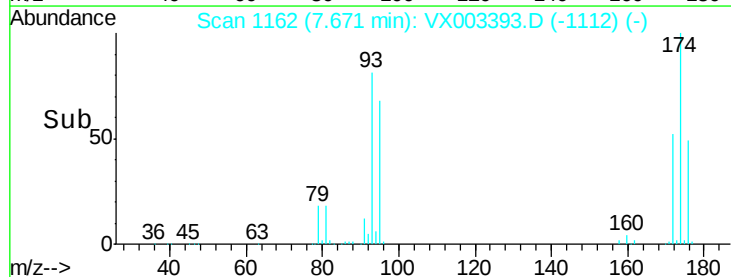
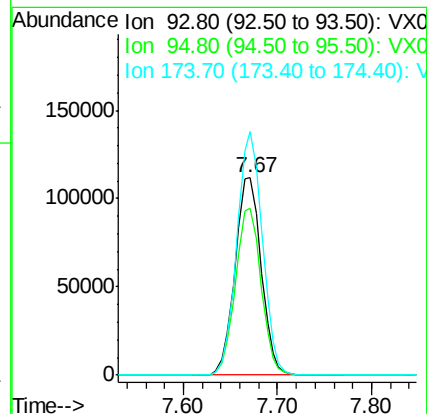
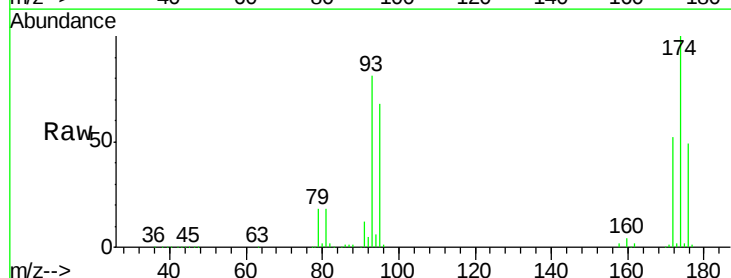
Tgt Ion: 93 Resp: 216873

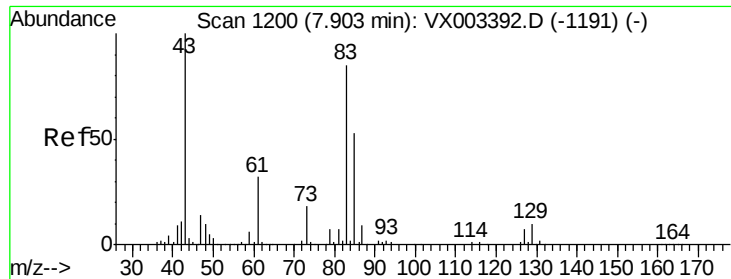
Ion Ratio Lower Upper

93 100

95 83.3 65.9 98.9

174 120.0 92.4 138.6





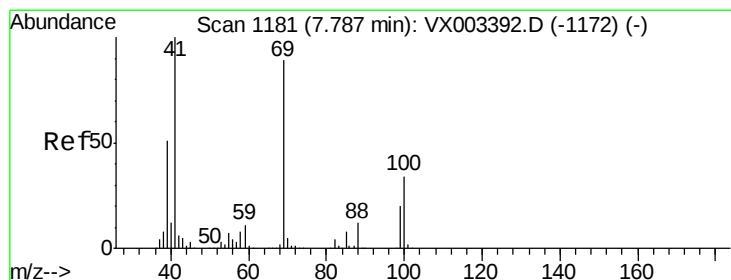
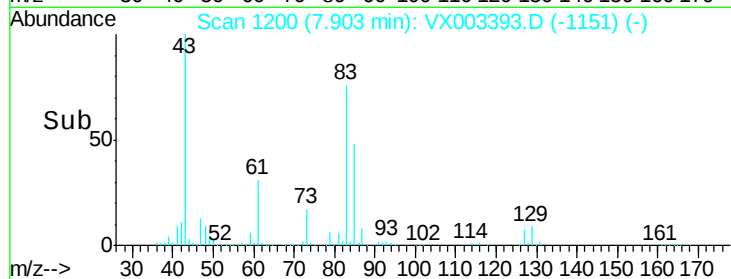
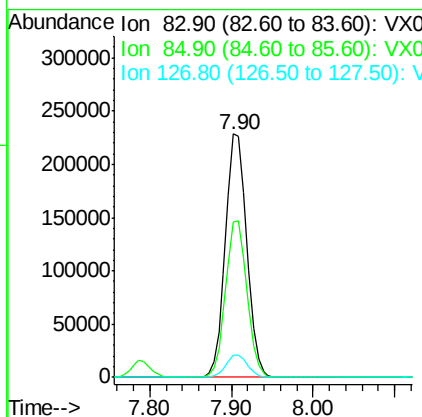
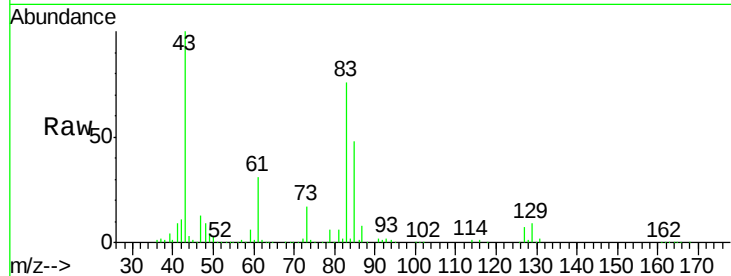
#47
Bromodichloromethane
Concen: 81.76 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.3	75.5
127	8.9	7.0	10.4

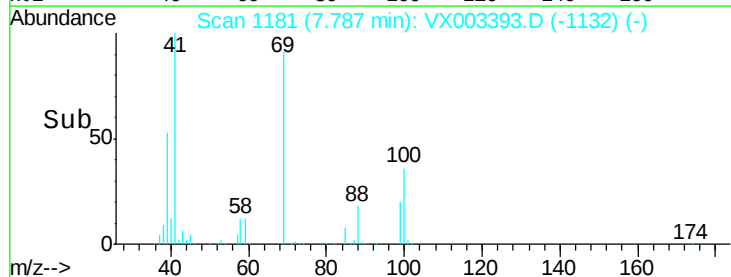
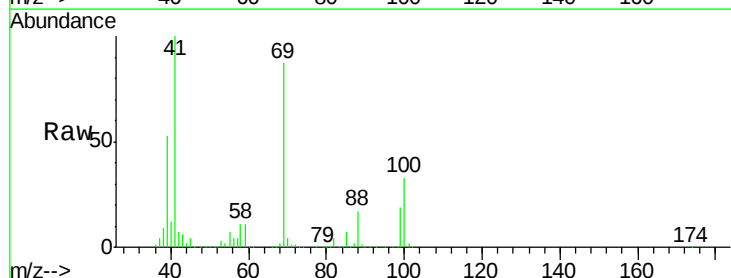
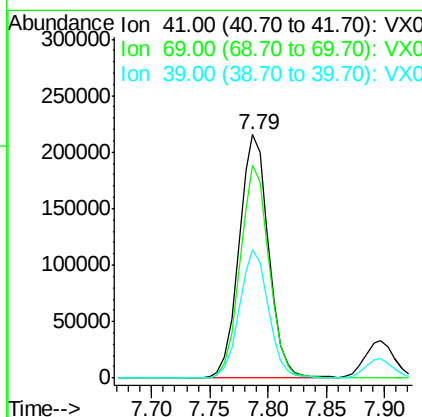
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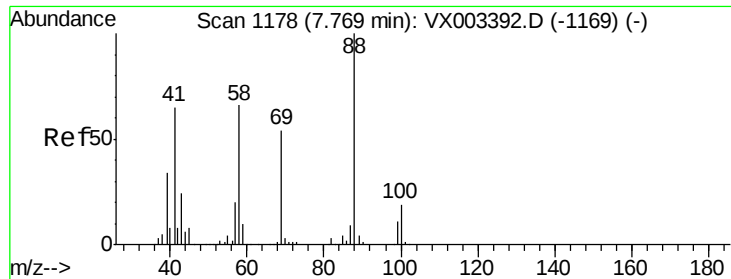
MMDadoda
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#48
Methyl methacrylate
Concen: 86.16 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.6	59.1	88.7
39	52.1	48.9	73.3





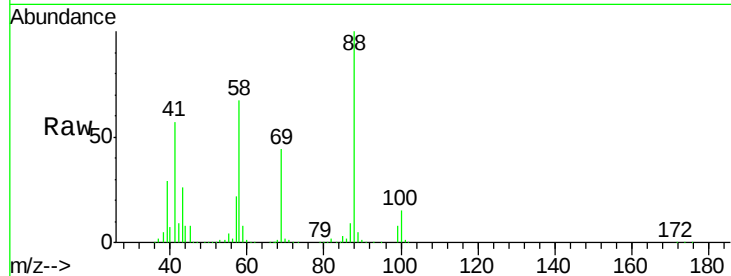
#49
1,4-Dioxane
Concen: 1770.90 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	170126		
43	30.4		29.8	44.6
58	68.9		57.1	85.7

Manual Integrations
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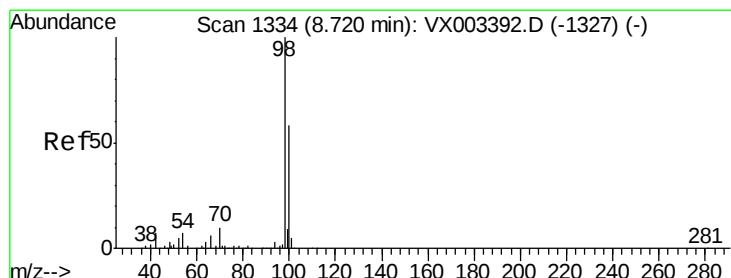
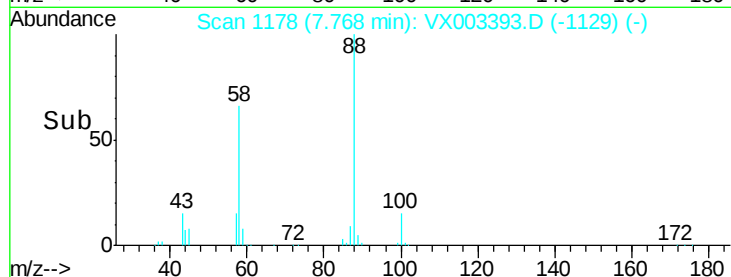
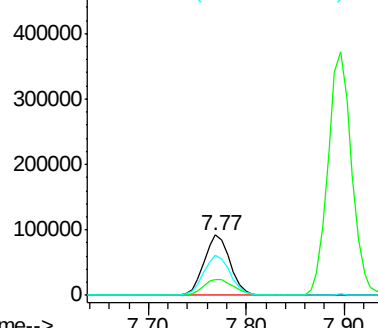


Abundance

Ion 88.00 (87.70 to 88.70): VX0

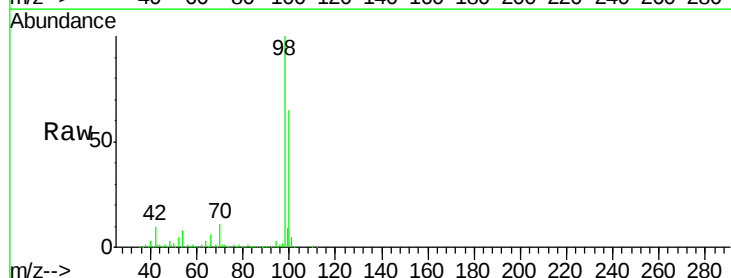
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 110.86 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

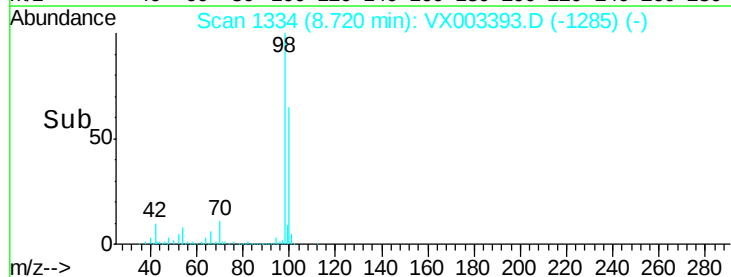
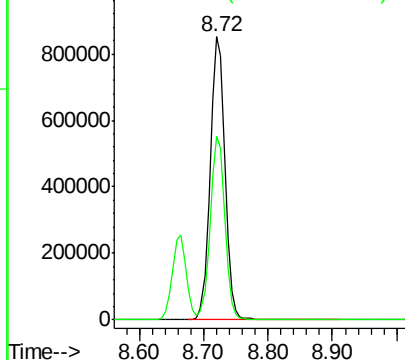
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1371708		
100	64.7		50.9	76.3

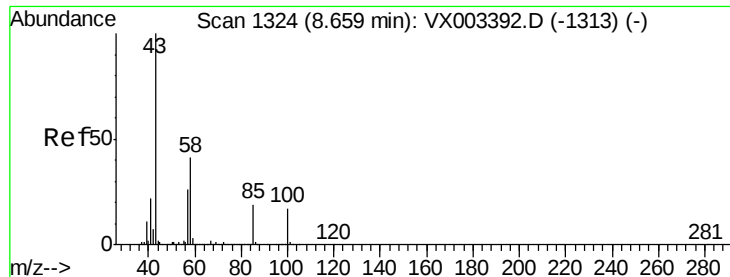


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 434.33 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2448798

Ion Ratio Lower Upper

43 100

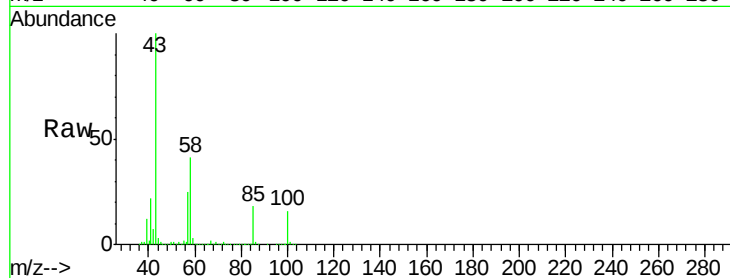
58 40.5 28.6 42.8

Manual Integrations

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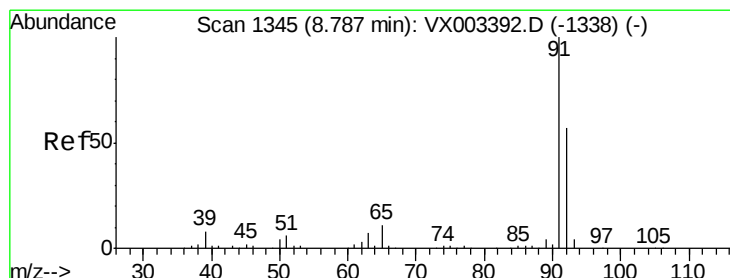
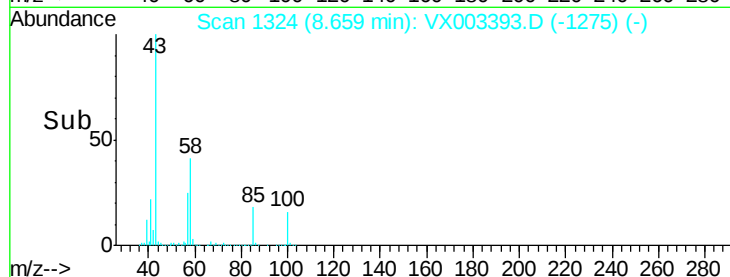
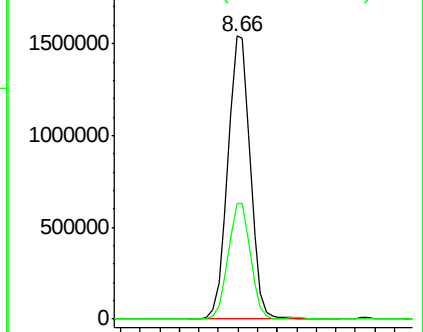
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 80.19 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003393.D

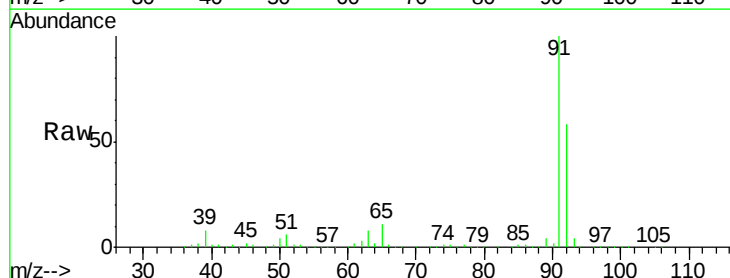
Acq: 16 Jul 2018 12:14

Tgt Ion: 92 Resp: 799398

Ion Ratio Lower Upper

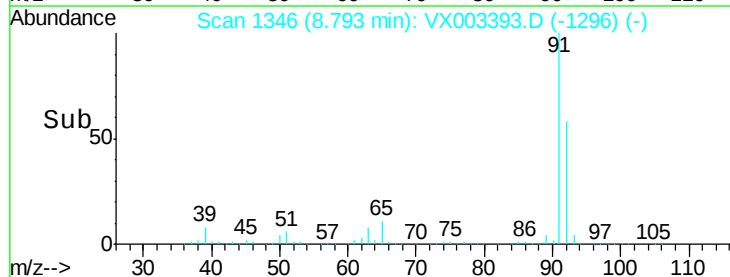
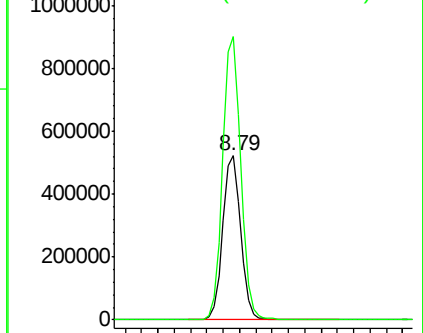
92 100

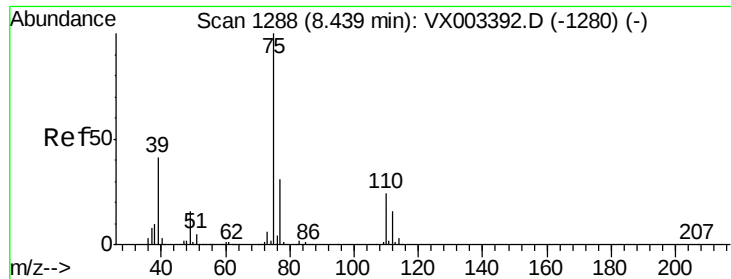
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 84.53 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 502258

Ion Ratio Lower Upper

75 100

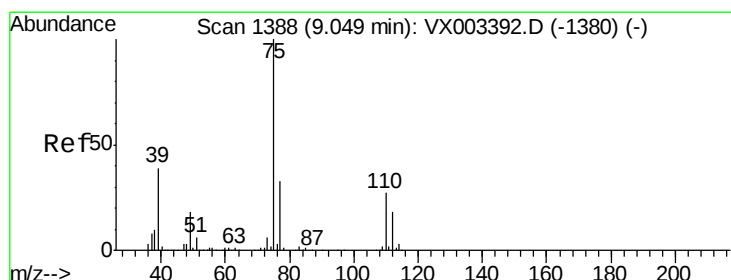
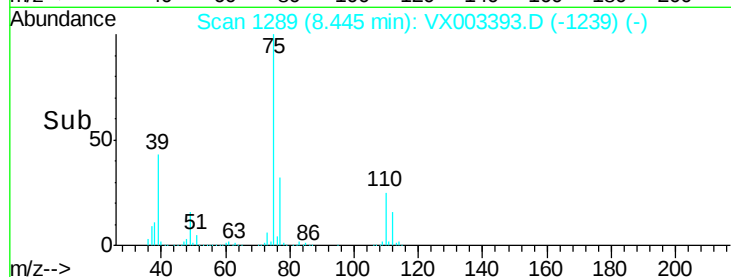
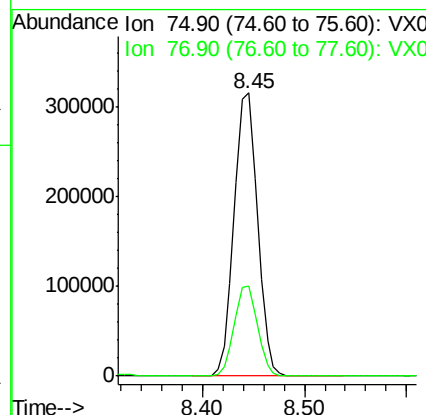
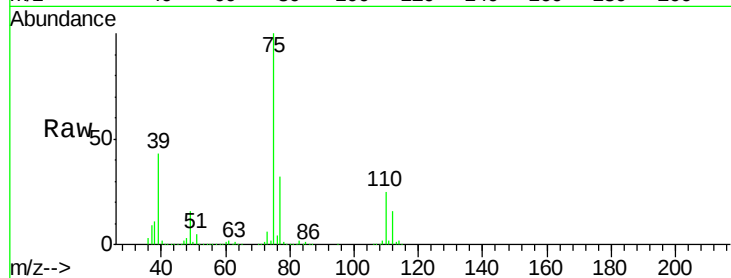
77 31.7 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 85.84 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

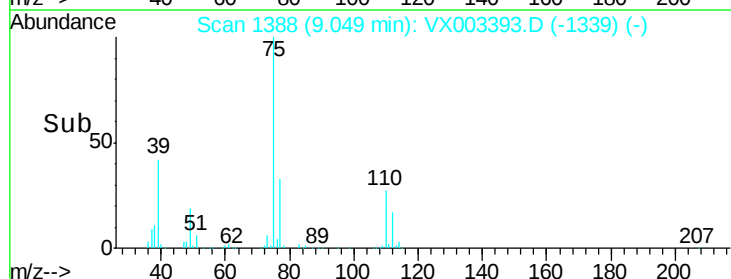
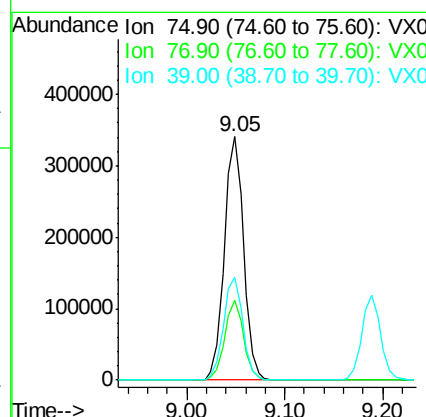
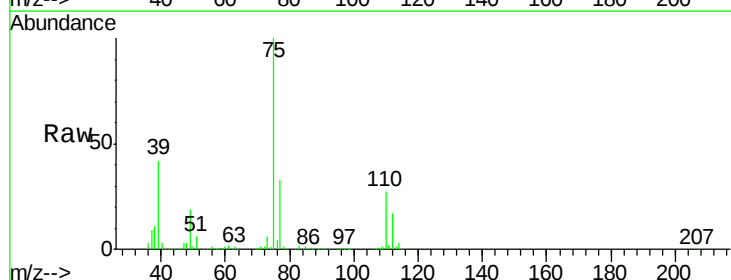
Tgt Ion: 75 Resp: 465913

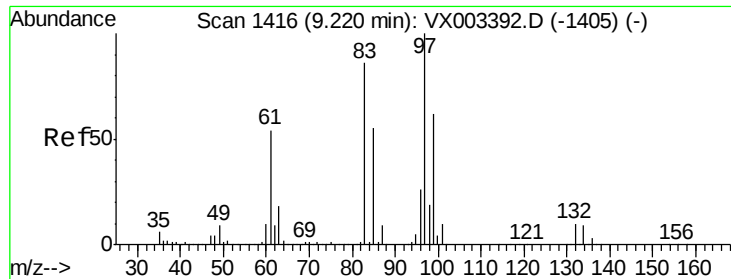
Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 42.1 42.4 63.6#





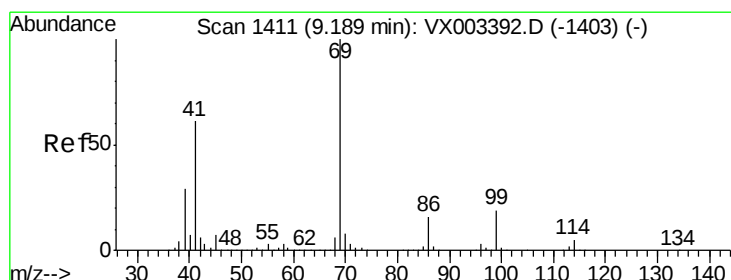
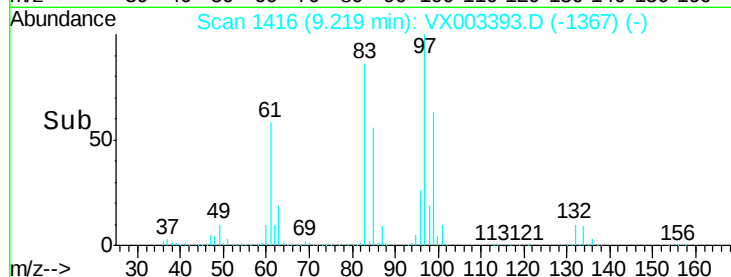
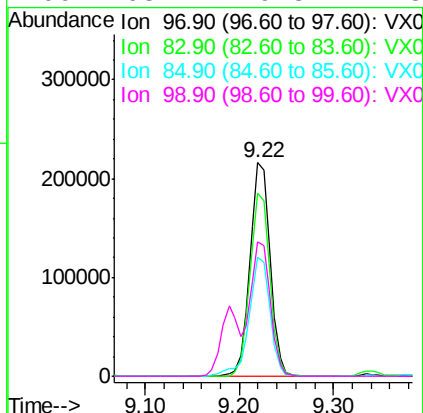
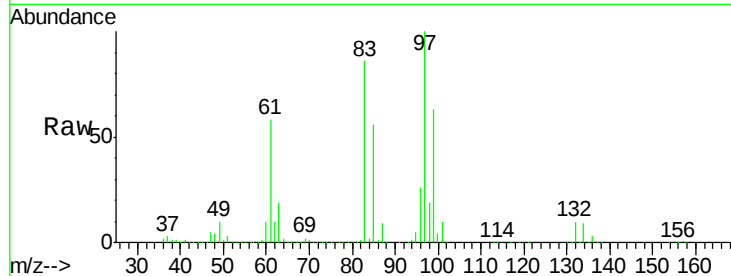
#55
 1,1,2-Trichloroethane
 Concen: 78.49 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	326588
Ion Ratio	Lower	Upper	
97	100		
83	85.6	70.2	105.2
85	56.0	44.9	67.3
99	63.1	49.8	74.8

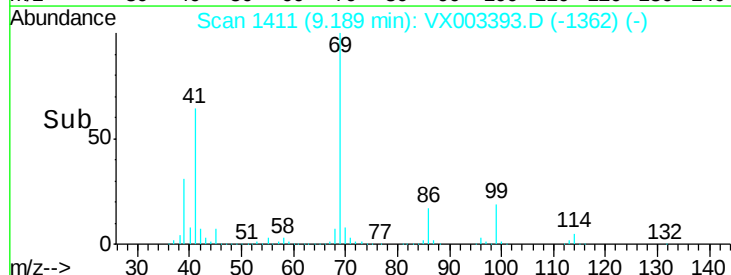
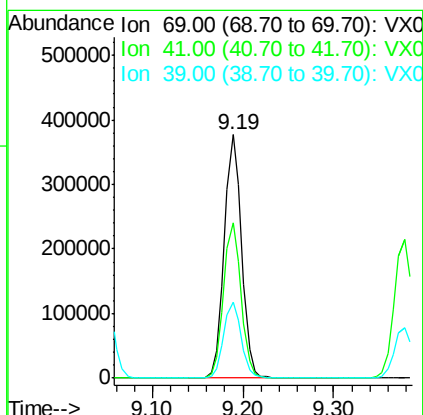
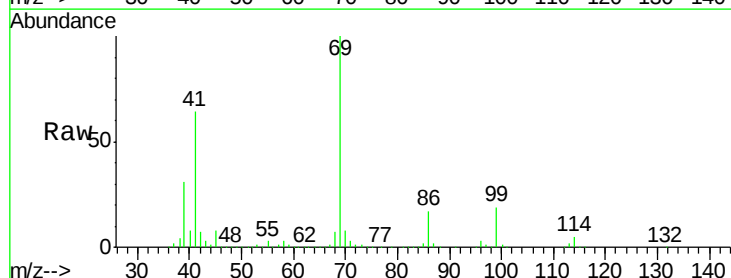
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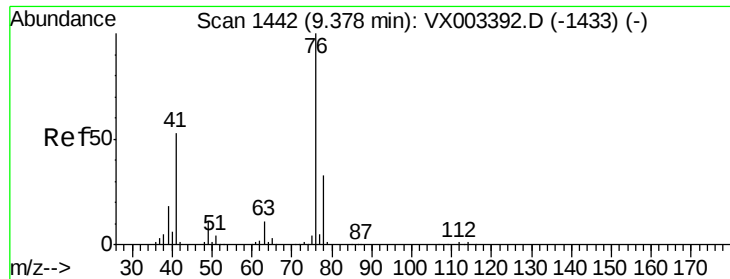
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 84.71 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Tgt Ion:	69	Resp:	503424
Ion Ratio	Lower	Upper	
69	100		
41	64.2	60.3	90.5
39	31.8	35.8	53.8#





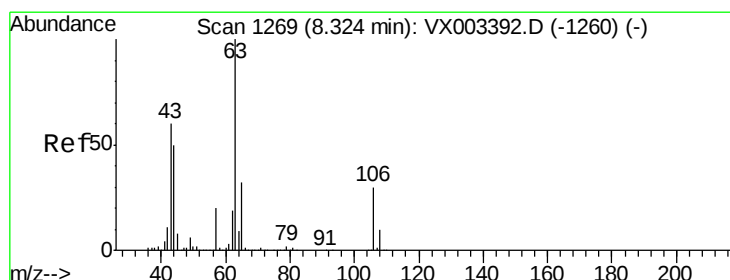
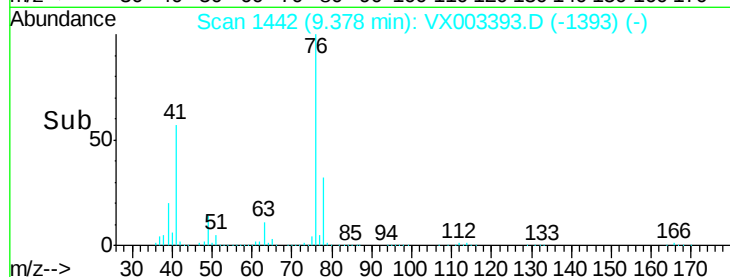
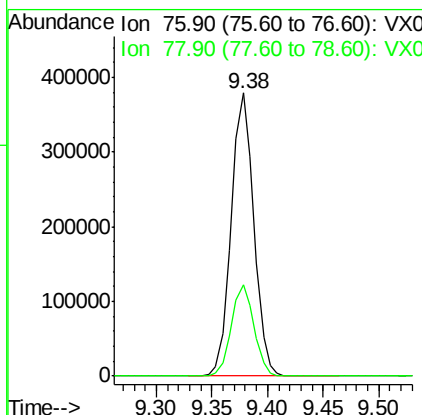
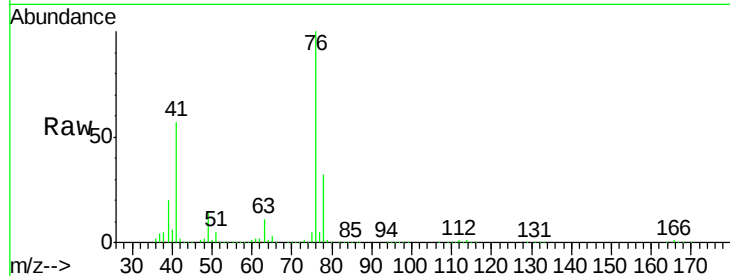
#57
 1,3-Dichloropropane
 Concen: 79.03 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

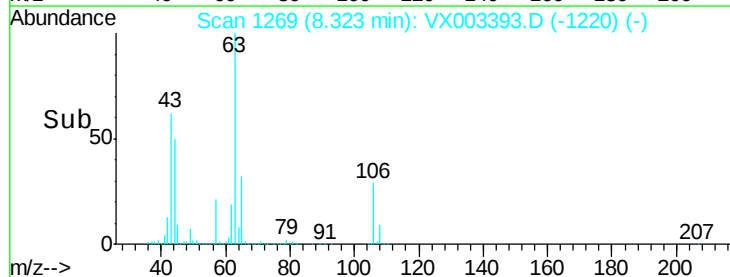
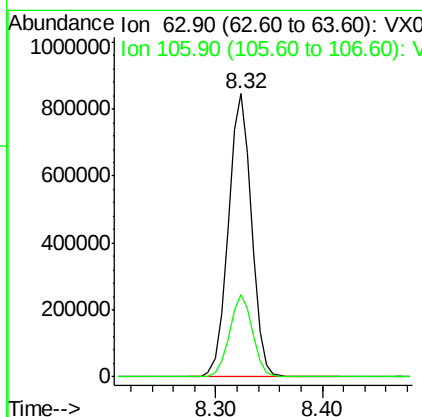
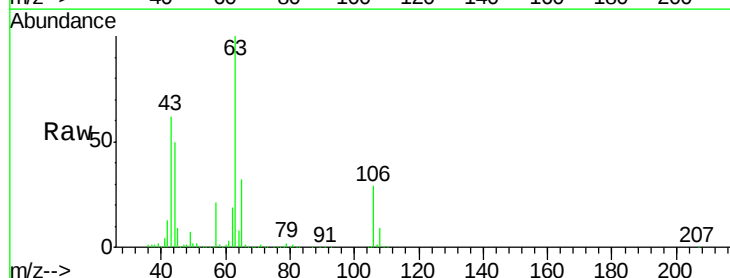
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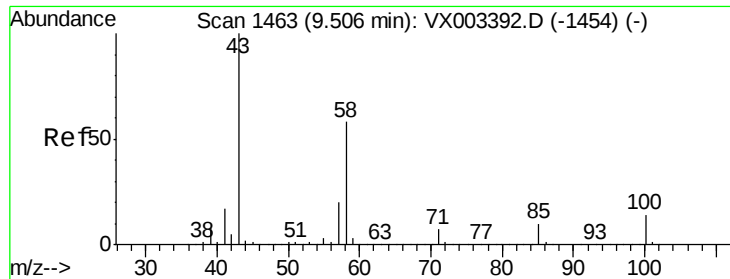
MMDadoda
 7/17/2018 1:46:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 445.39 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	21.8	32.8





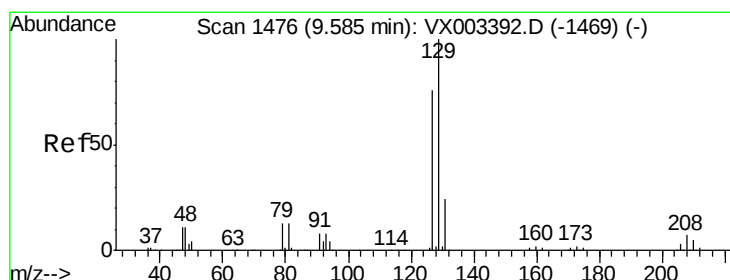
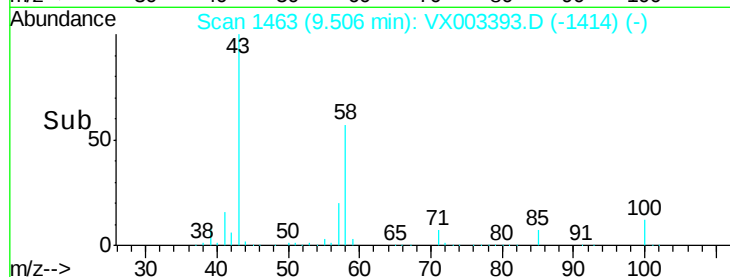
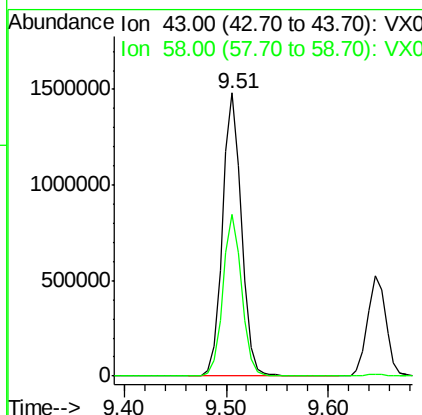
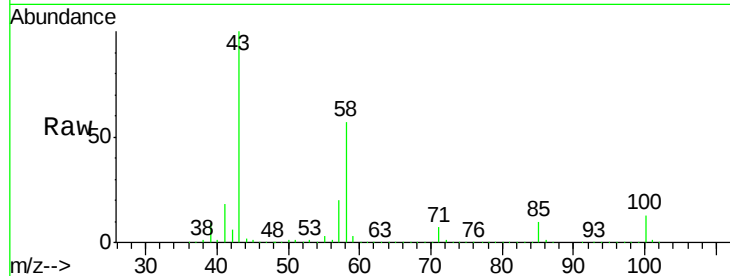
#59
2-Hexanone
Concen: 460.20 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1913803
Ion Ratio Lower Upper
43 100
58 56.6 24.6 73.6

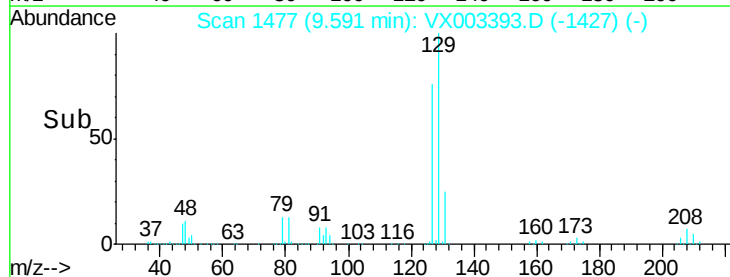
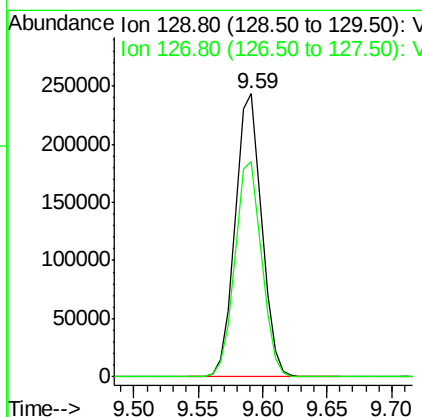
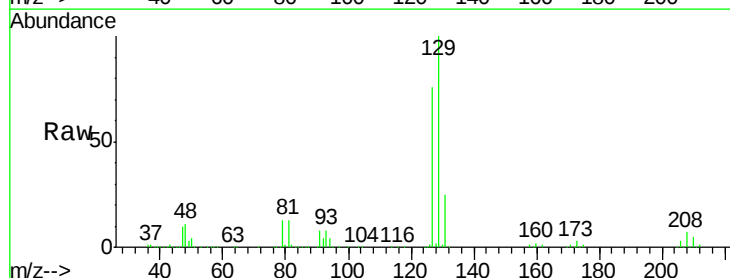
Manual Integrations
APPROVED

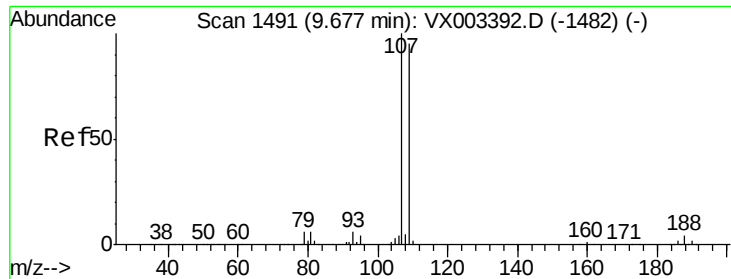
MMDadoda
7/17/2018 1:46:32 PM



#60
Dibromochloromethane
Concen: 86.43 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion:129 Resp: 349091
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 82.65 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:107 Resp: 346762

Ion Ratio Lower Upper

107 100

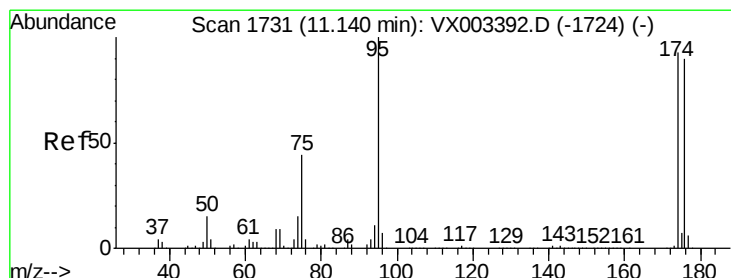
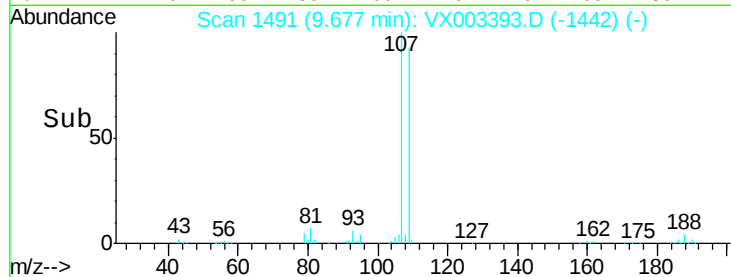
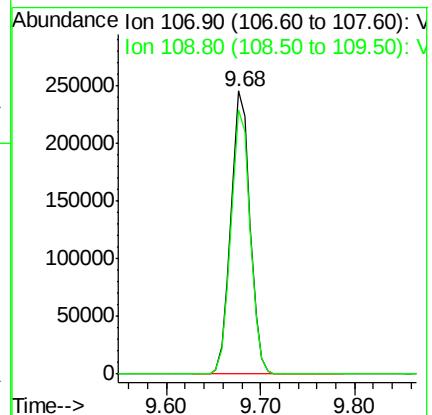
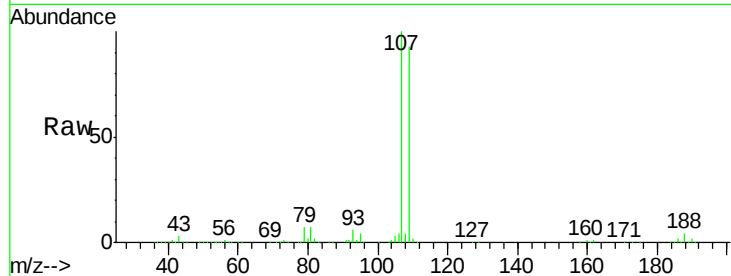
109 94.4 75.3 112.9

Manual Integrations

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7/17/2018 1:46:32 PM



#62

4-Bromofluorobenzene

Concen: 105.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

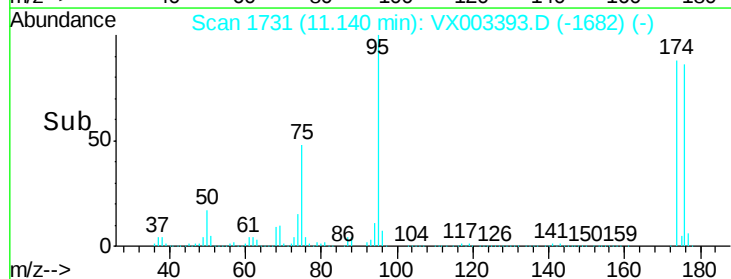
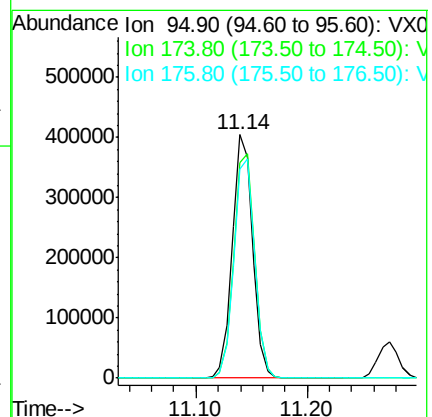
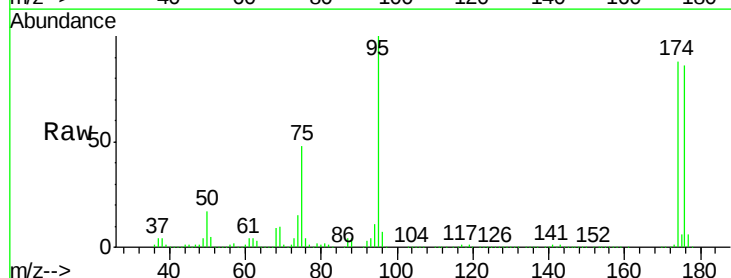
Tgt Ion: 95 Resp: 510373

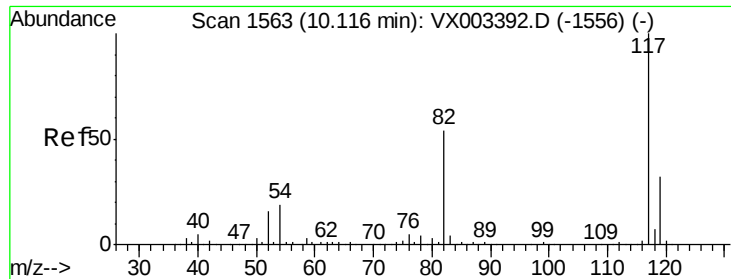
Ion Ratio Lower Upper

95 100

174 94.9 0.0 187.4

176 92.6 0.0 181.0





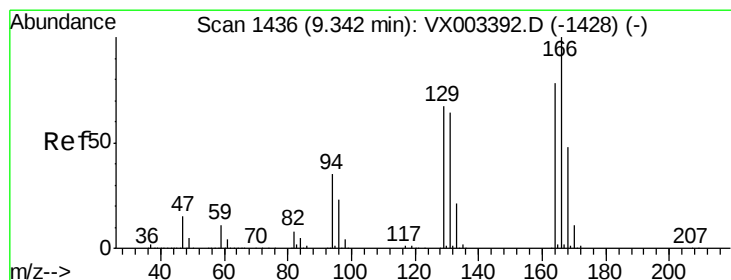
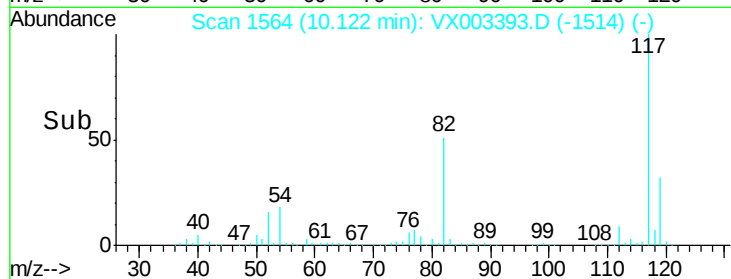
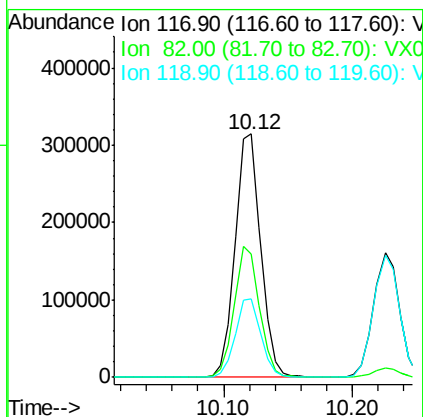
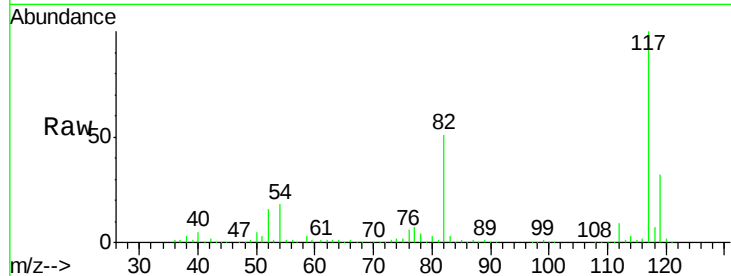
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	45.0	67.4
119	32.4	25.8	38.6

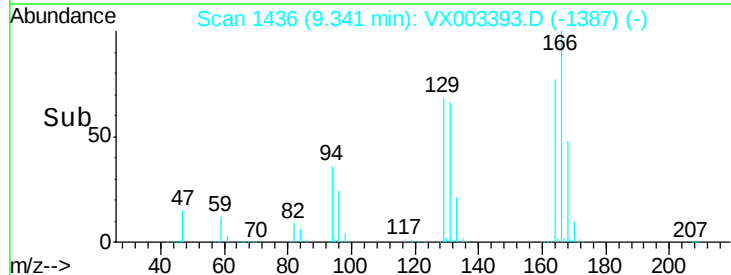
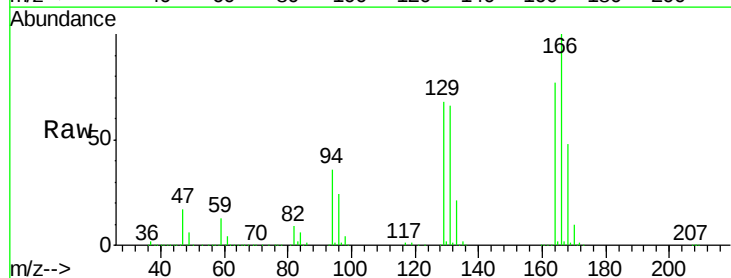
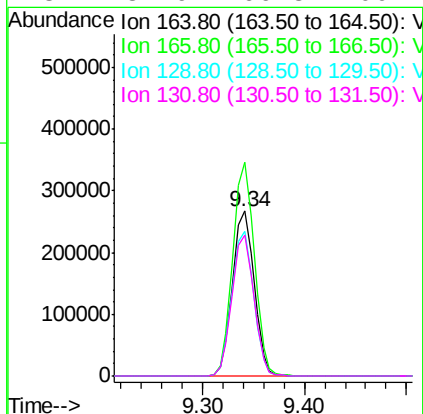
Manual Integrations
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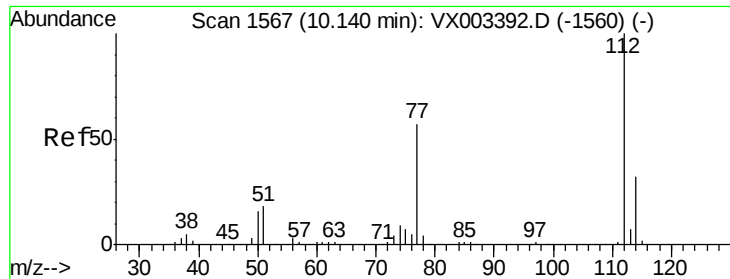
MMDadoda
7/17/2018 1:46:32 PM



#64
Tetrachloroethene
Concen: 83.48 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.9	154.3
129	87.8	68.6	102.8
131	84.9	66.8	100.2





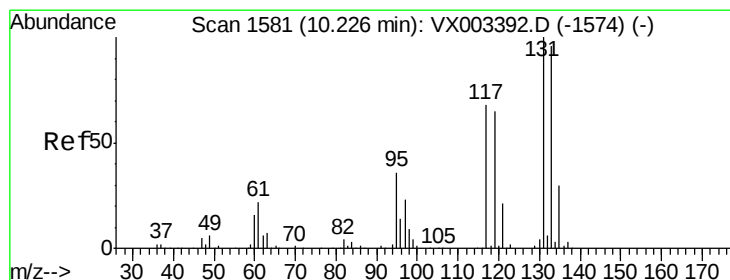
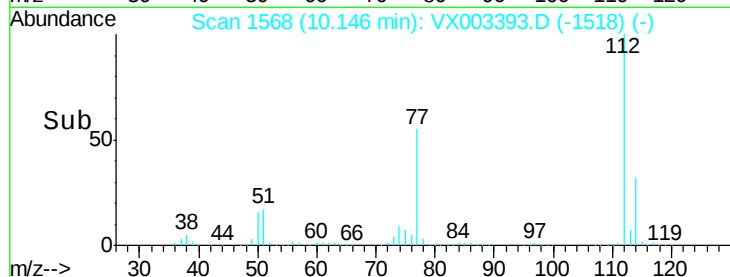
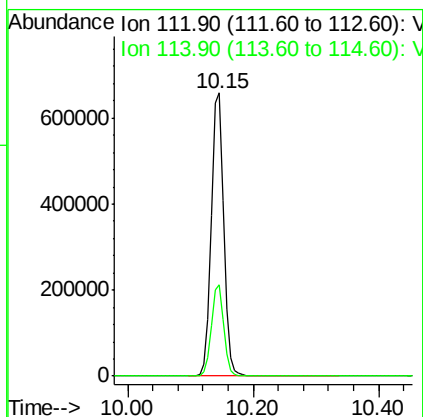
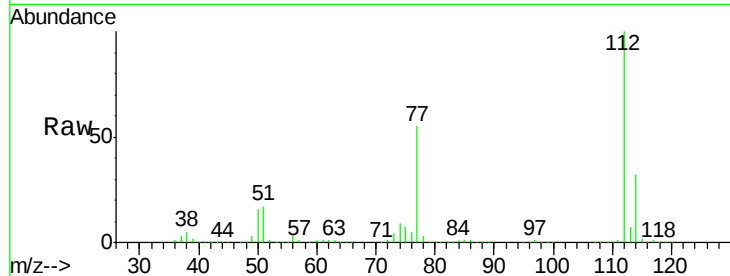
#65
Chlorobenzene
Concen: 80.62 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 904562
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

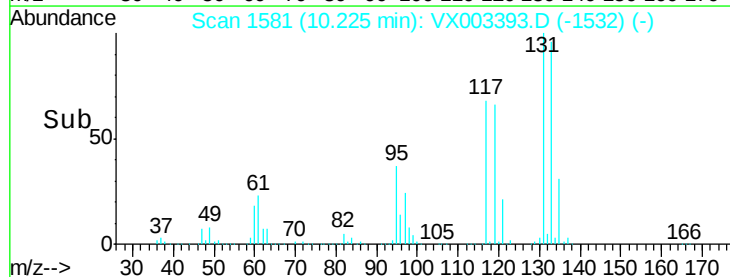
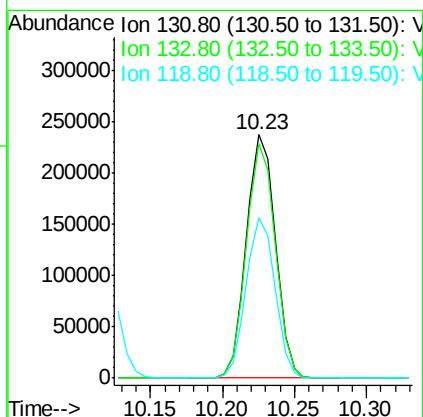
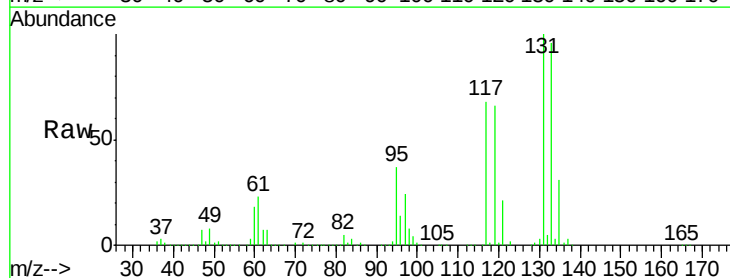
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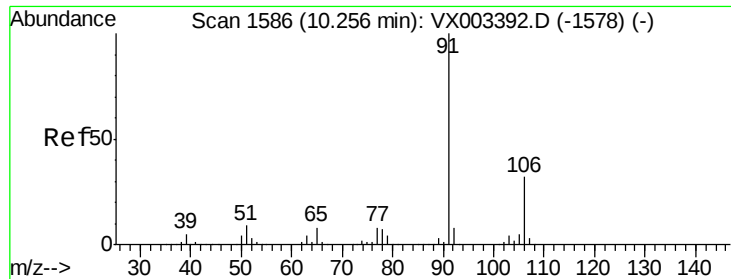
MMDadoda
7/17/2018 1:46:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 83.34 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion:131 Resp: 330623
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.6
119 65.9 31.8 95.3





#67

Ethyl Benzene

Concen: 83.61 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1526698

Ion Ratio Lower Upper

91 100

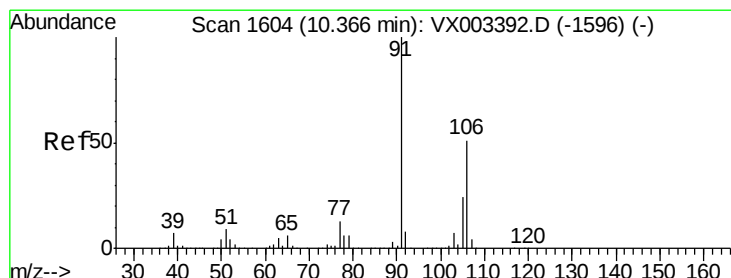
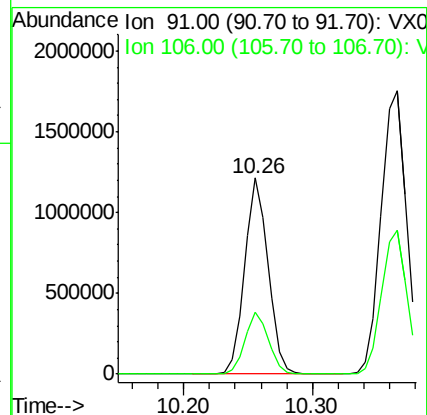
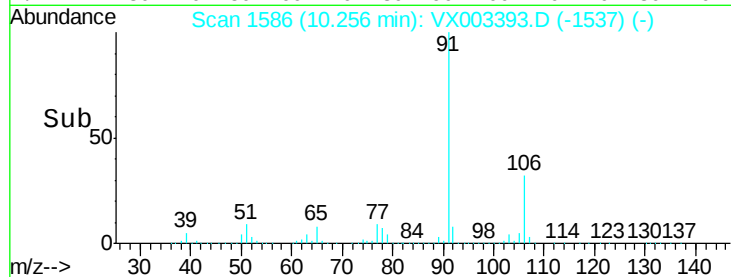
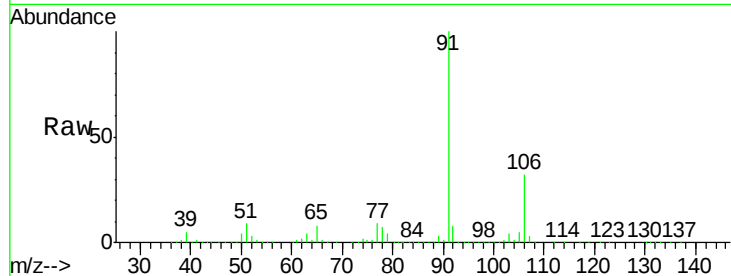
106 31.7 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 171.27 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX003393.D

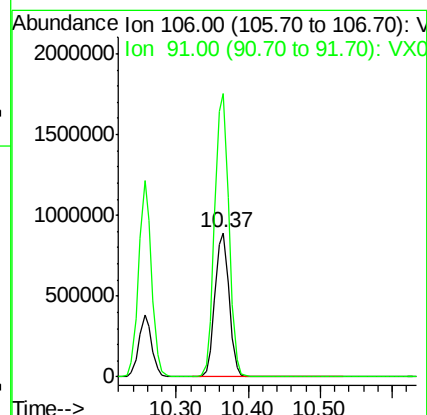
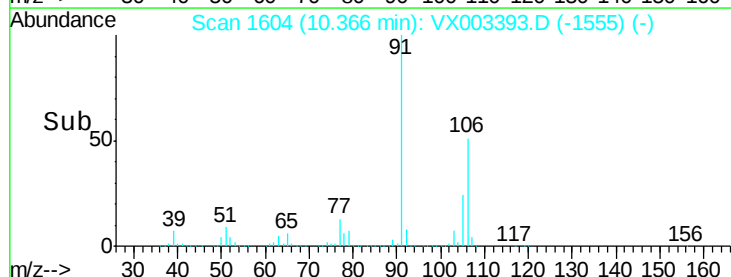
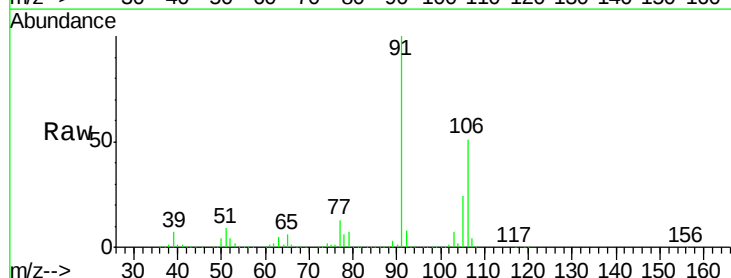
Acq: 16 Jul 2018 12:14

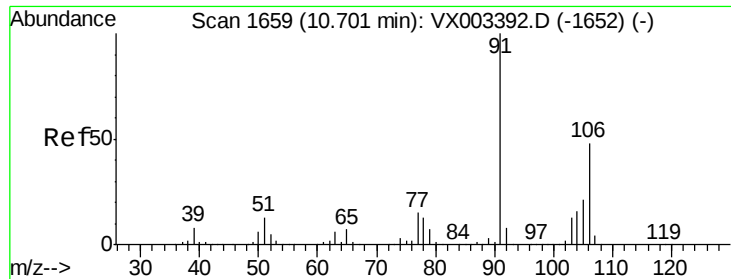
Tgt Ion: 106 Resp: 1204687

Ion Ratio Lower Upper

106 100

91 198.1 163.4 245.2





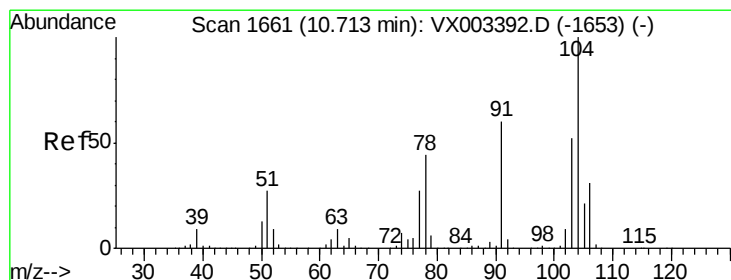
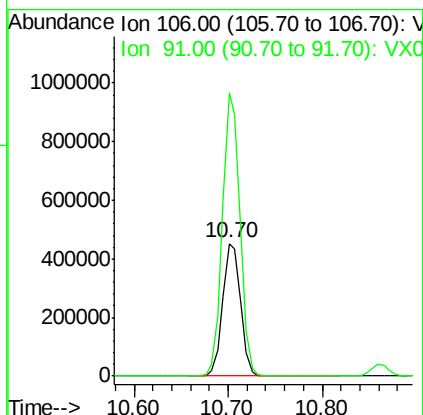
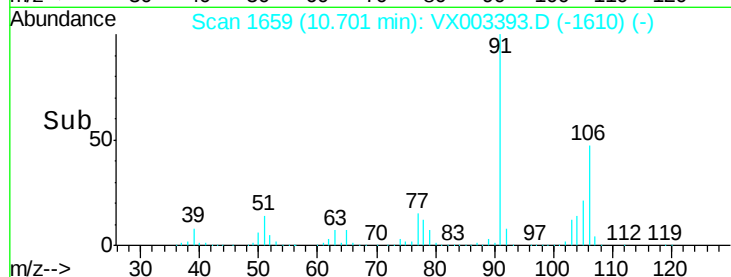
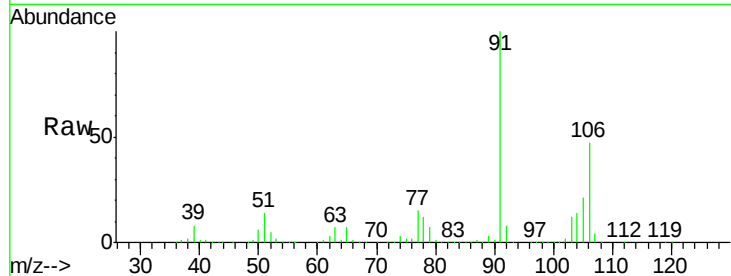
#69
o-Xylene
Concen: 86.14 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 591763
Ion Ratio Lower Upper
106 100
91 210.1 108.2 324.6

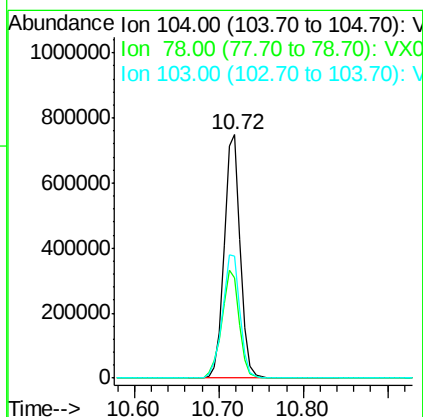
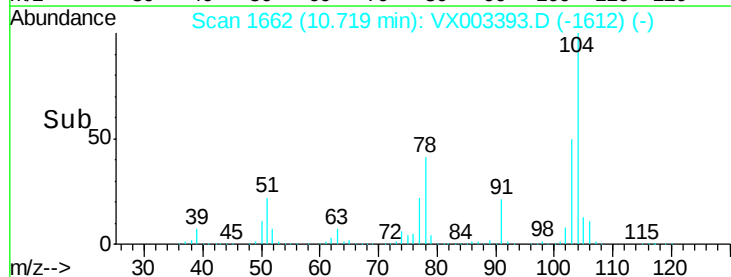
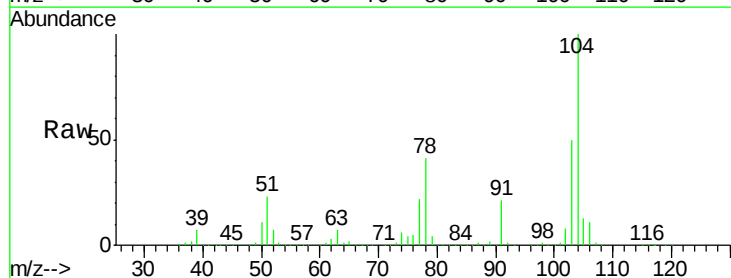
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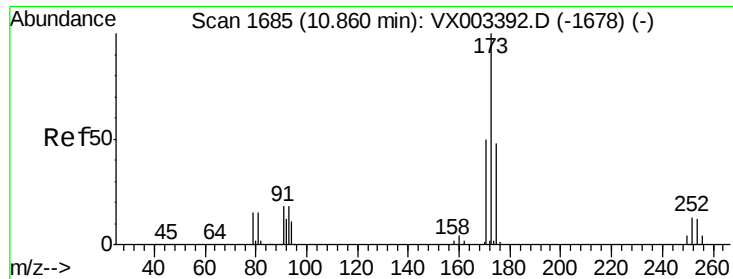
MMDadoda
7/17/2018 1:46:32 PM



#70
Styrene
Concen: 85.30 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion:104 Resp: 984747
Ion Ratio Lower Upper
104 100
78 48.1 41.0 61.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 94.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 286981

Ion Ratio Lower Upper

173 100

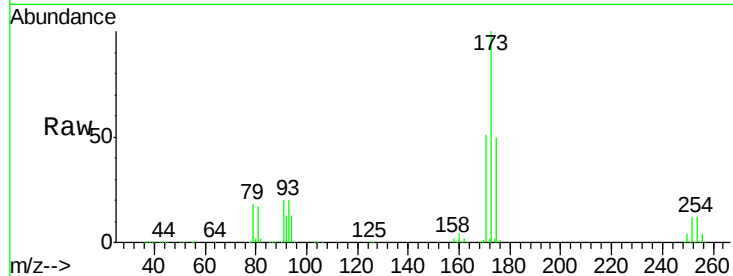
175 49.4 24.7 74.1

254 0.2 0.2 0.2

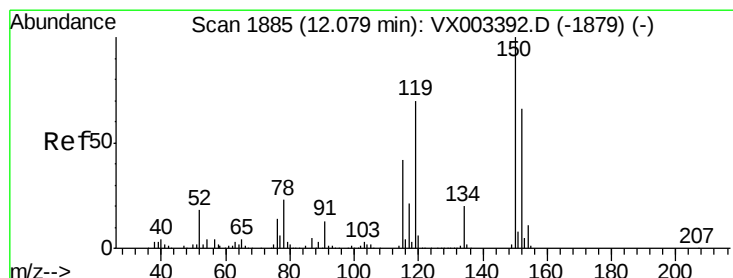
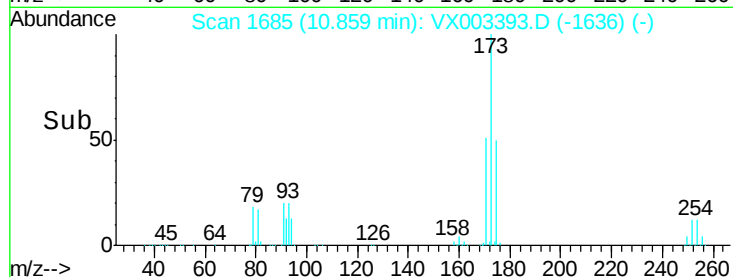
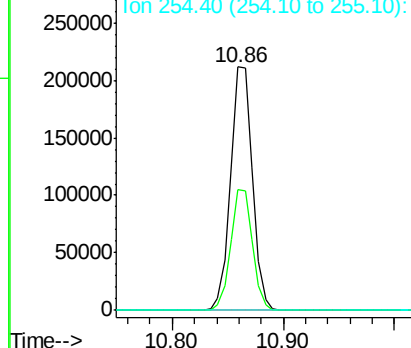
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

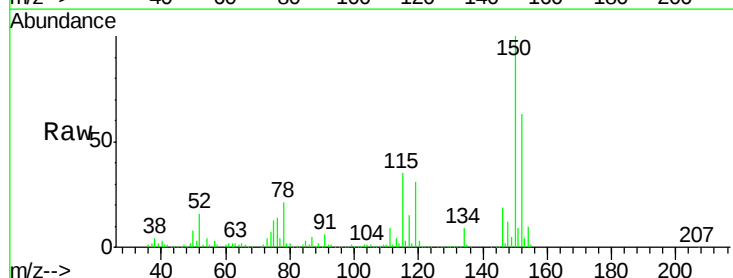
Tgt Ion:152 Resp: 272369

Ion Ratio Lower Upper

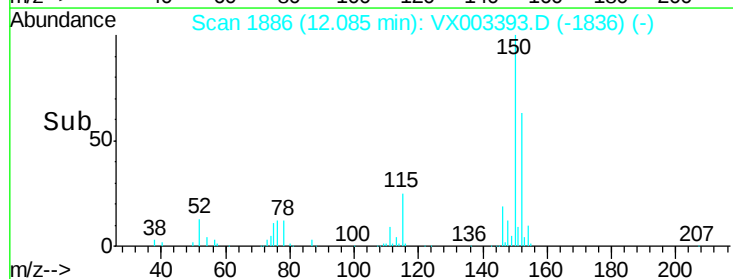
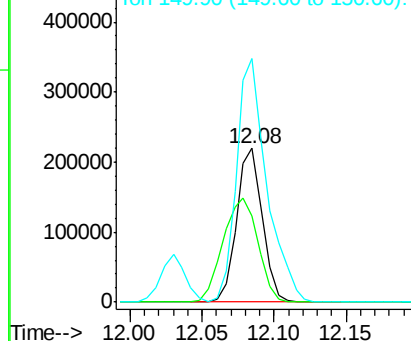
152 100

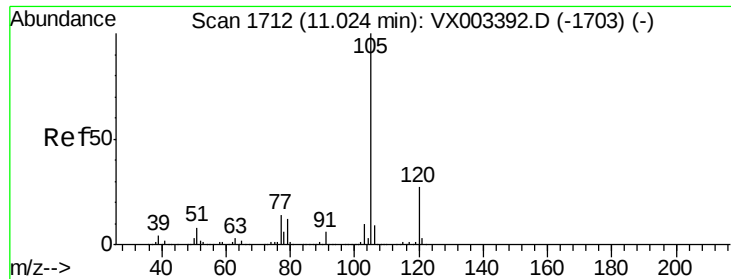
115 92.6 40.1 120.2

150 187.3 0.0 347.2



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: 85.07 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1602163

Ion Ratio Lower Upper

105 100

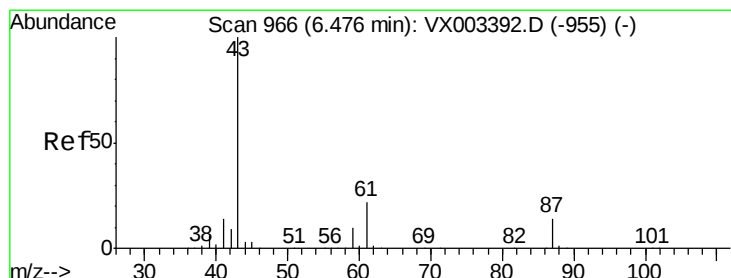
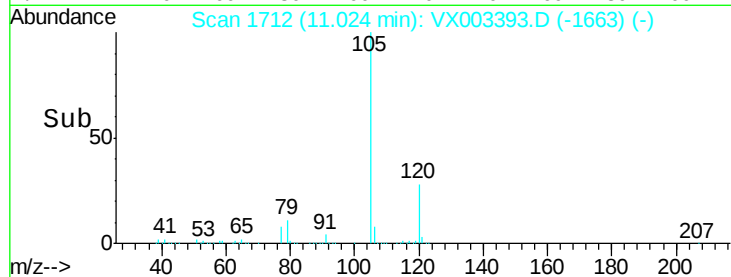
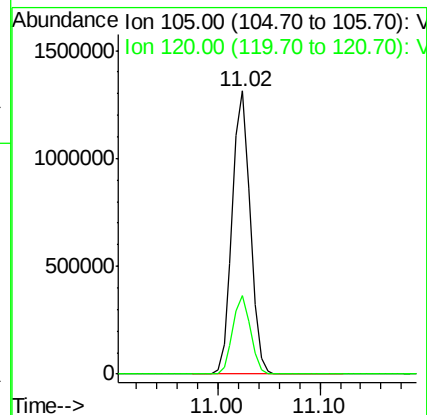
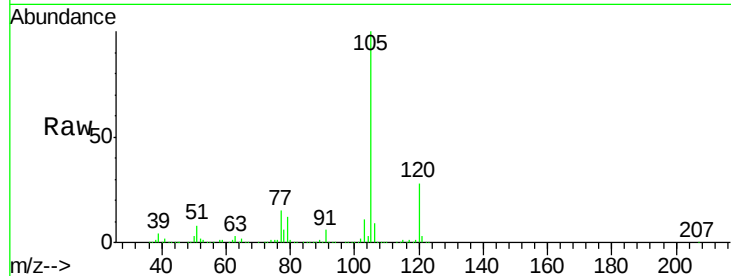
120 27.3 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 83.39 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Tgt Ion: 43 Resp: 727941

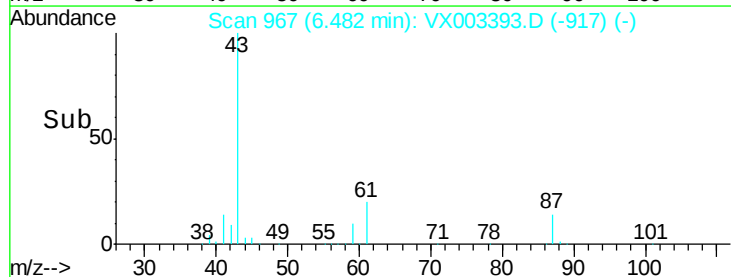
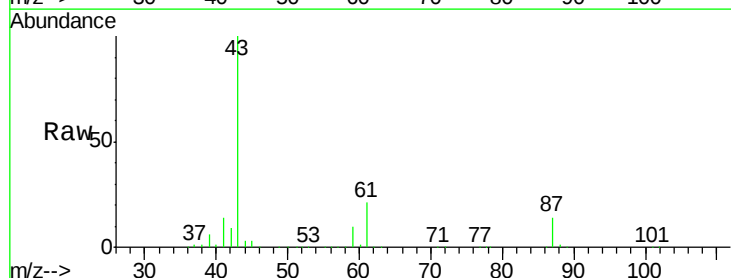
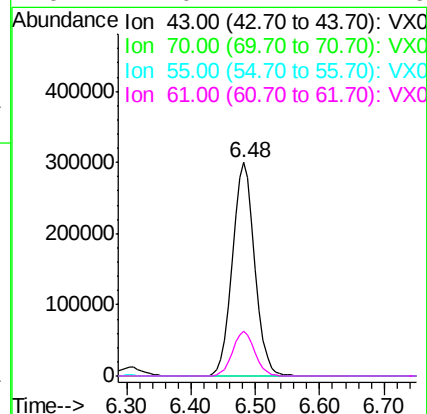
Ion Ratio Lower Upper

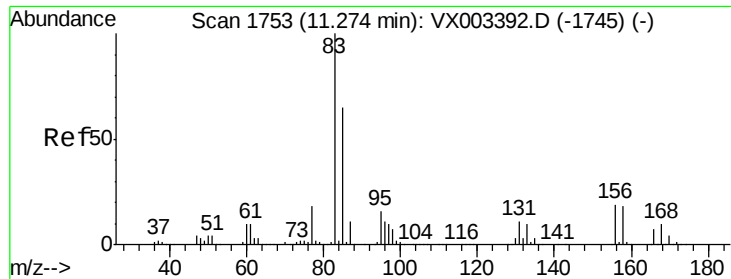
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 21.0 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 82.18 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 505250

Ion Ratio Lower Upper

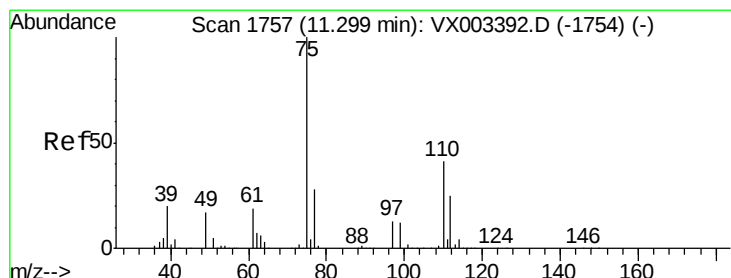
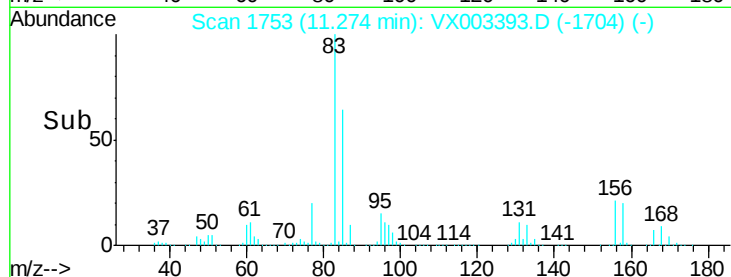
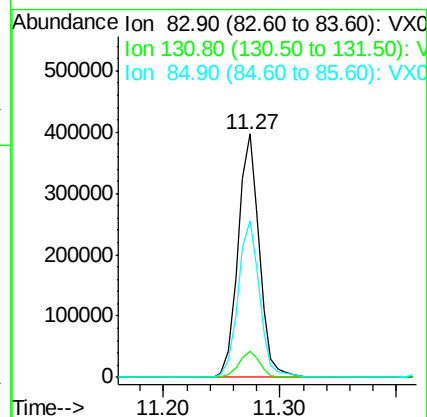
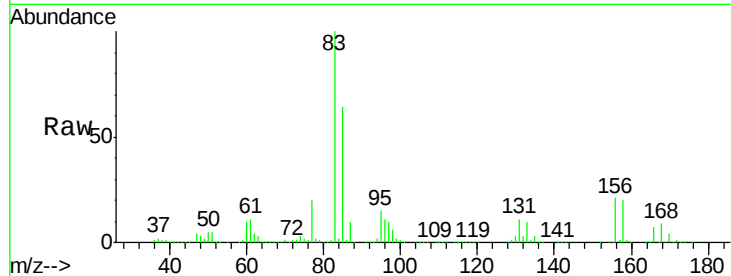
83 100

131 10.8 5.6 16.8

85 65.0 32.4 97.2

Manual Integrations
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7/17/2018 1:46:32 PM



#76

1,2,3-Trichloropropane

Concen: 79.79 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003393.D

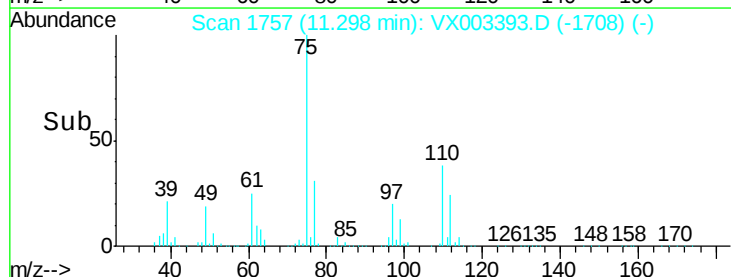
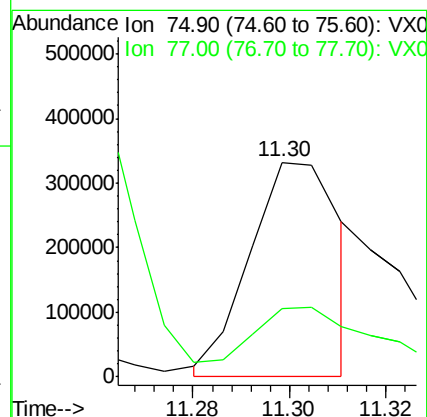
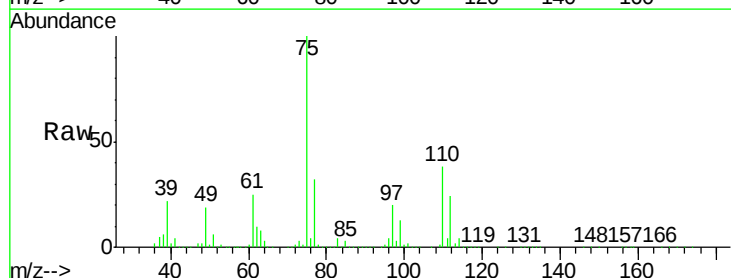
Acq: 16 Jul 2018 12:14

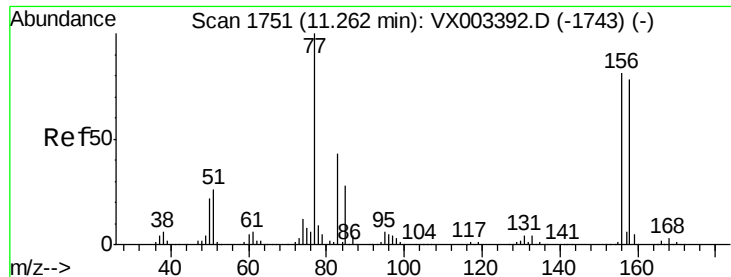
Tgt Ion: 75 Resp: 429347

Ion Ratio Lower Upper

75 100

77 46.2 22.8 68.3





#77

Bromobenzene

Concen: 82.39 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 438461

Ion Ratio Lower Upper

156 100

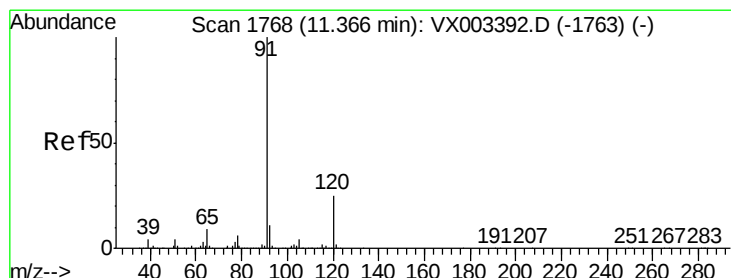
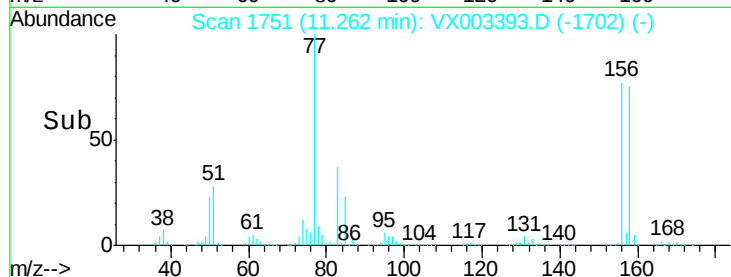
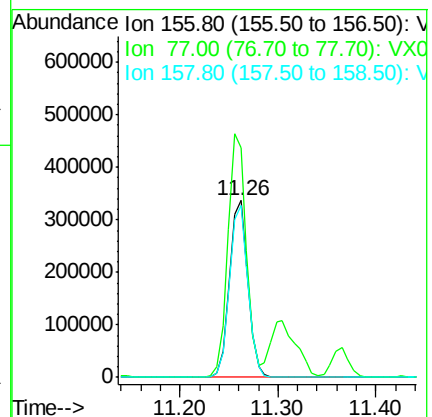
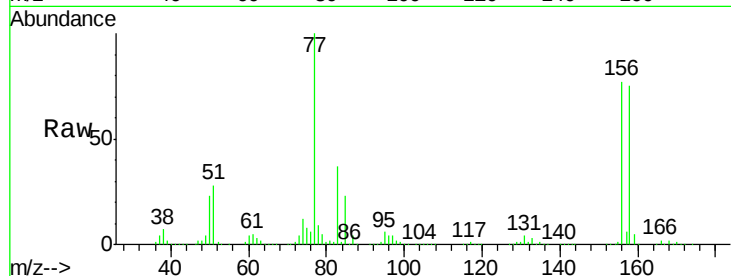
77 137.6 71.4 214.2

158 97.3 48.9 146.6

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#78

n-propylbenzene

Concen: 82.97 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003393.D

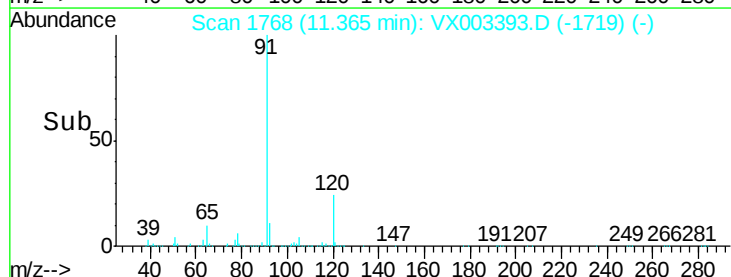
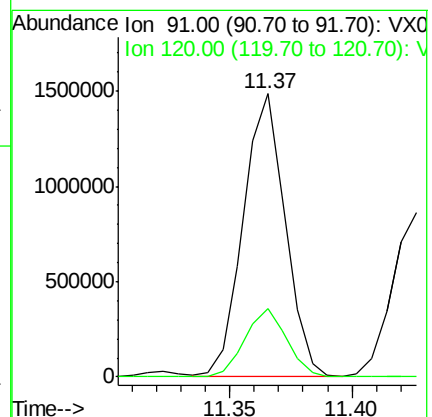
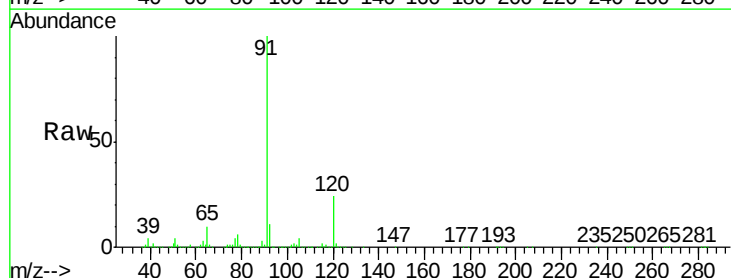
Acq: 16 Jul 2018 12:14

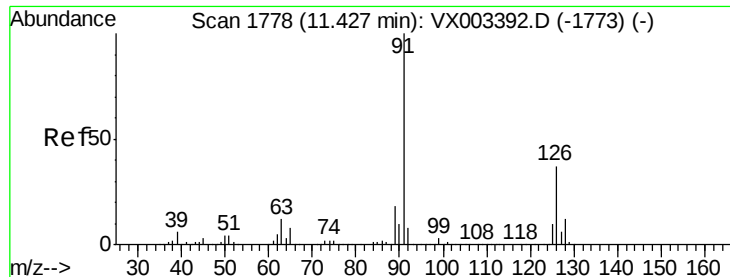
Tgt Ion: 91 Resp: 1766145

Ion Ratio Lower Upper

91 100

120 24.1 11.8 35.4





#79

2-Chlorotoluene

Concen: 80.16 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1054007

Ion Ratio Lower Upper

91 100

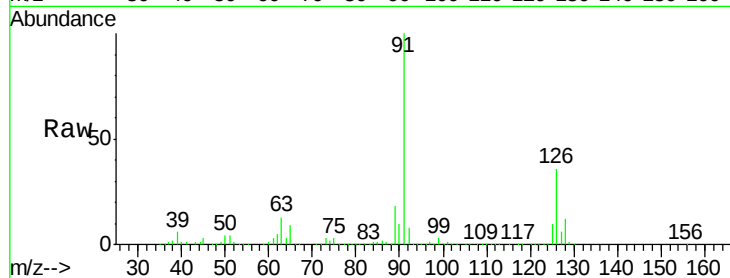
126 35.9 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VX003392.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003392.D (-1773) (-)

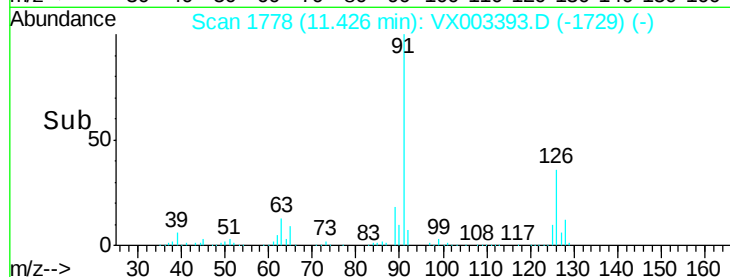
1500000

1000000

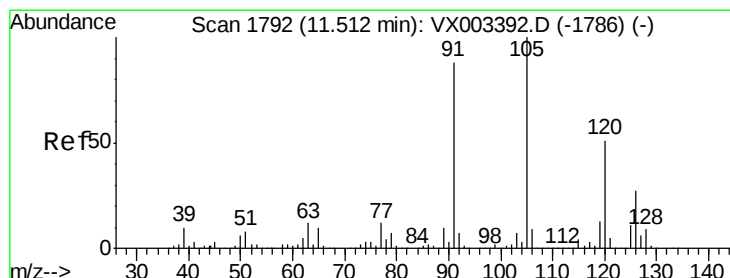
500000

0

11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 83.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003393.D

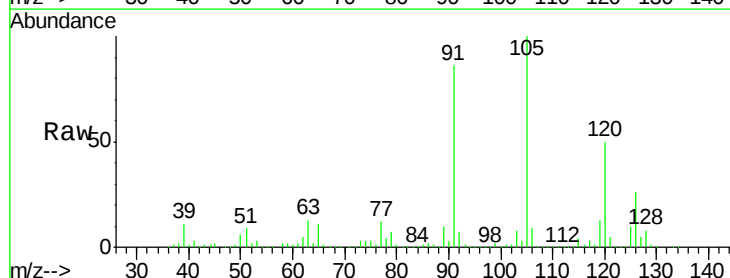
Acq: 16 Jul 2018 12:14

Tgt Ion:105 Resp: 1310644

Ion Ratio Lower Upper

105 100

120 49.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003392.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003392.D (-1786) (-)

1200000

1000000

800000

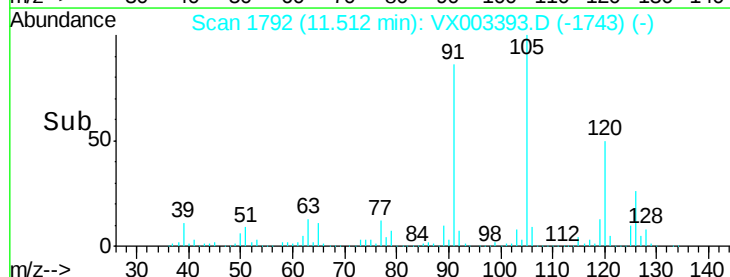
600000

400000

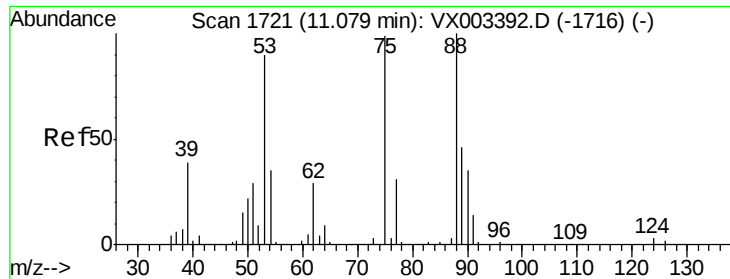
200000

0

11.40 11.50 11.60



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 95.92 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 154808

Ion Ratio Lower Upper

75 100

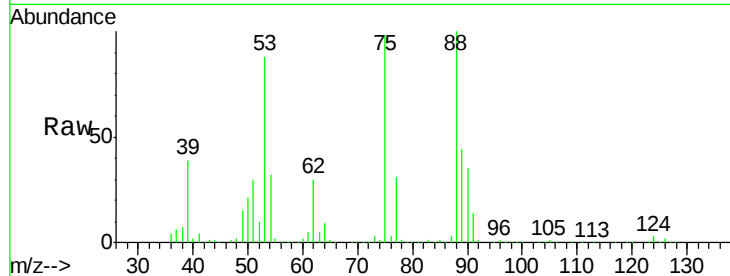
53 90.7 86.8 130.2

89 46.0 38.2 57.2

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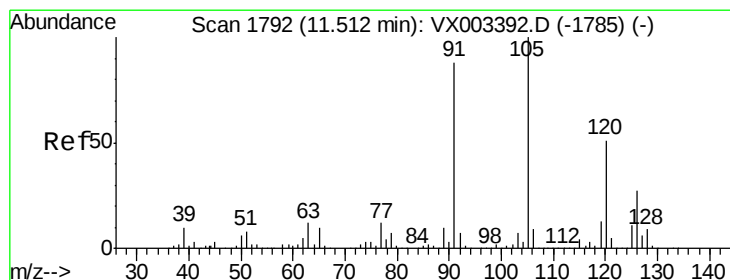
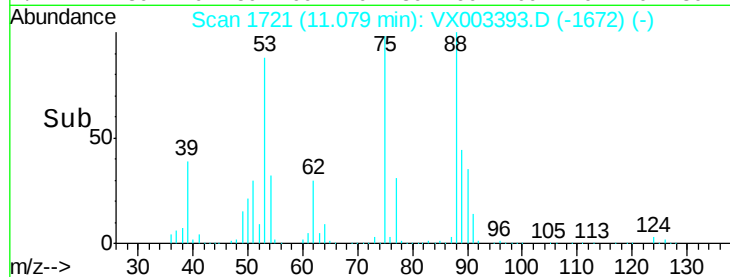
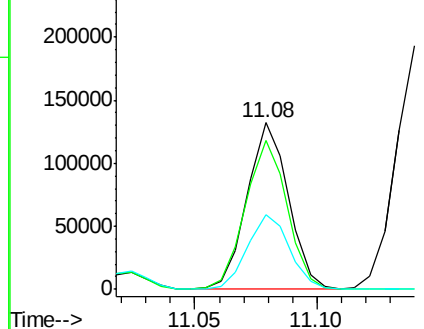
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 81.79 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX003393.D

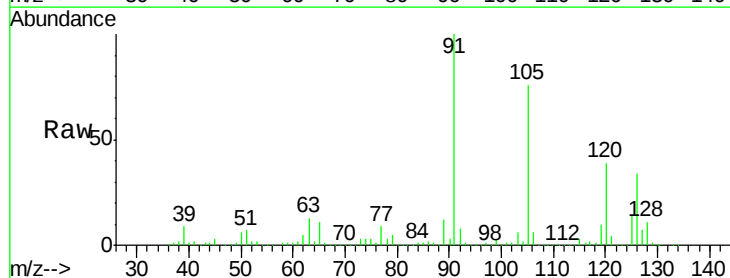
Acq: 16 Jul 2018 12:14

Tgt Ion: 91 Resp: 1252991

Ion Ratio Lower Upper

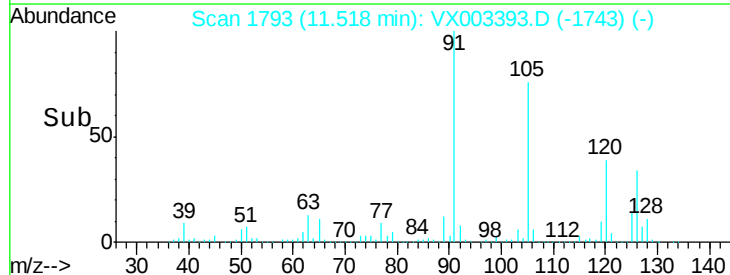
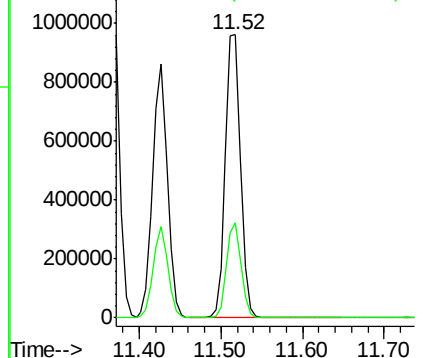
91 100

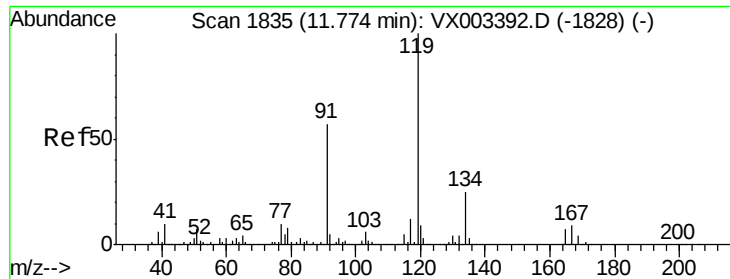
126 31.8 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





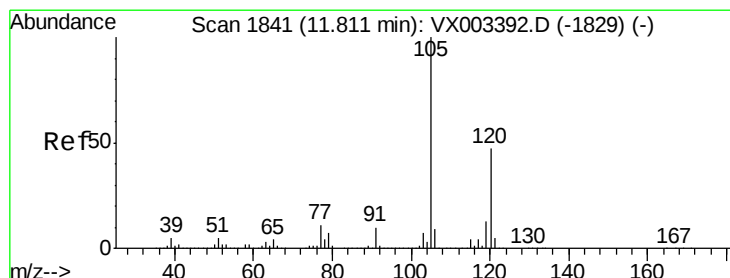
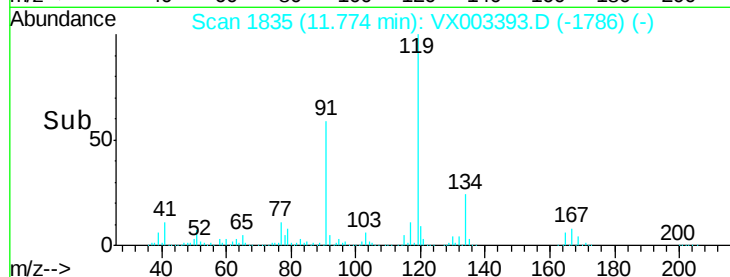
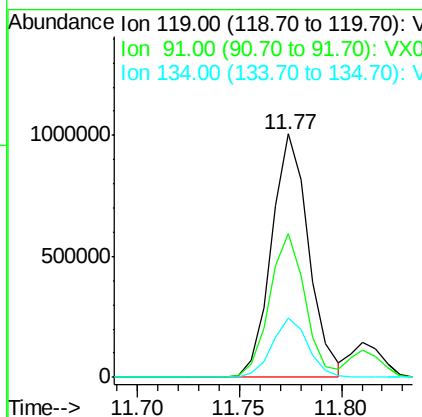
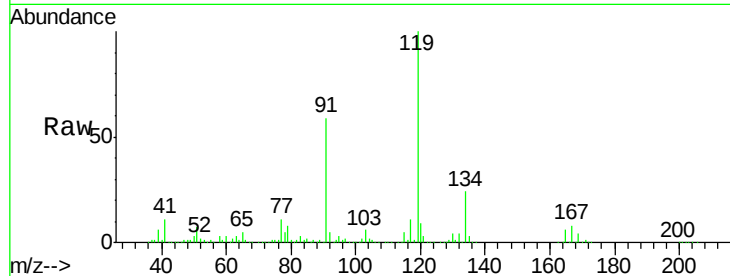
#83
 tert-Butylbenzene
 Concen: 82.78 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion:119 Resp: 1279152
 Ion Ratio Lower Upper
 119 100
 91 56.7 30.3 90.9
 134 23.5 11.7 35.1

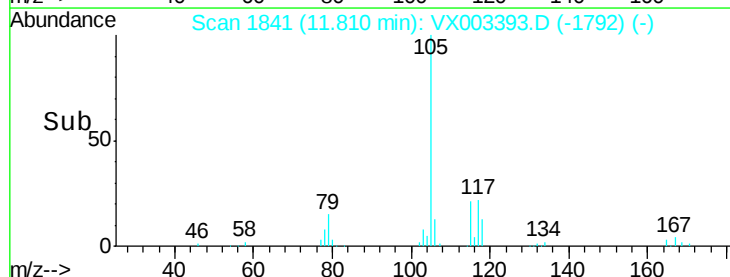
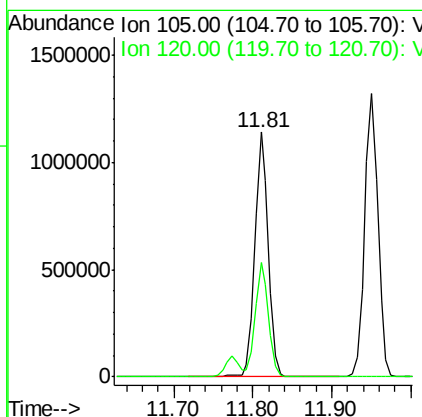
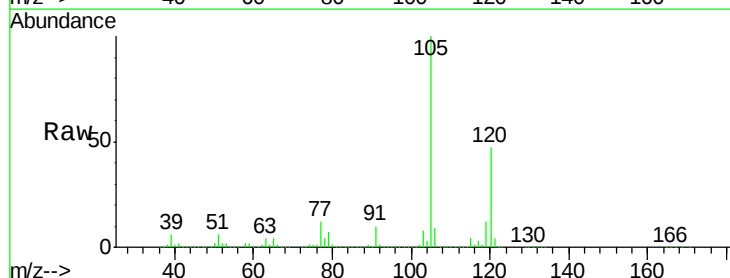
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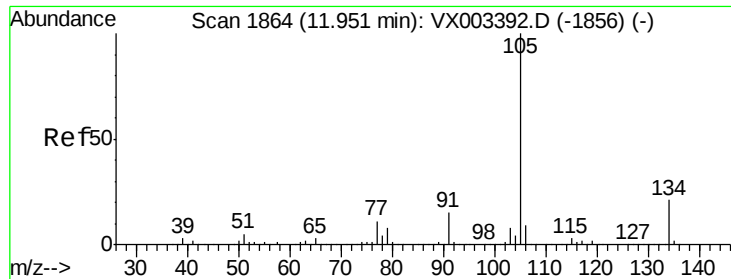
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#84
 1,2,4-Trimethylbenzene
 Concen: 85.03 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Tgt Ion:105 Resp: 1346313
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.3 66.8





#85

sec-Butylbenzene

Concen: 83.48 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1541764

Ion Ratio Lower Upper

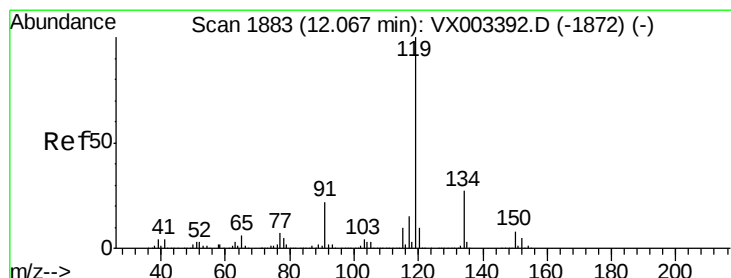
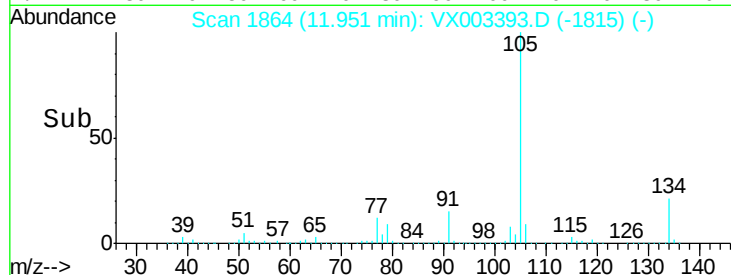
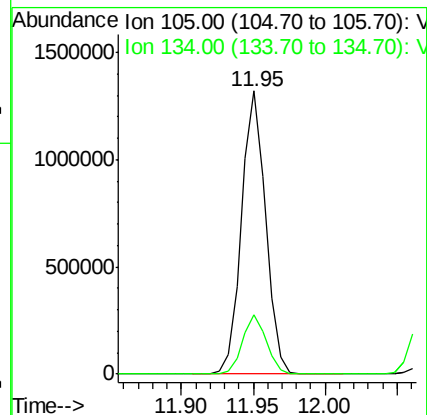
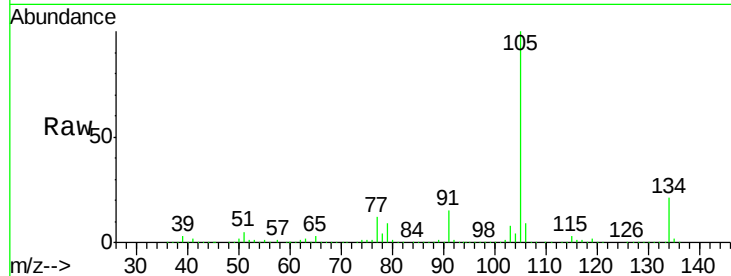
105 100

134 20.8 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 84.30 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

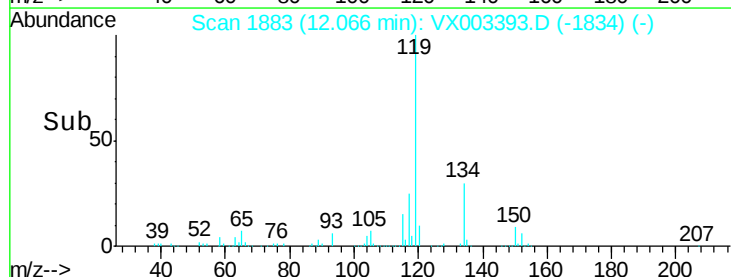
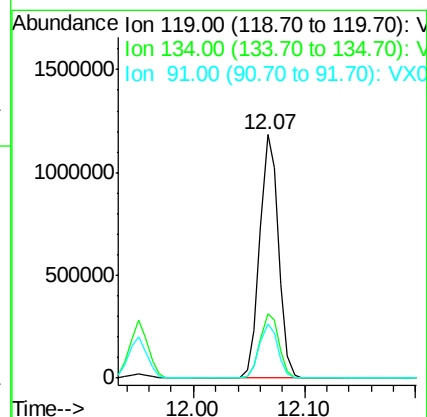
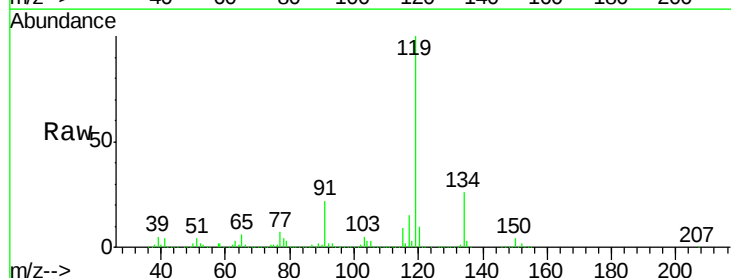
Tgt Ion:119 Resp: 1392863

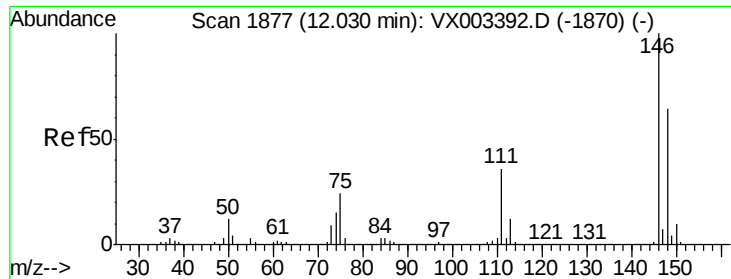
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.2 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 78.82 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

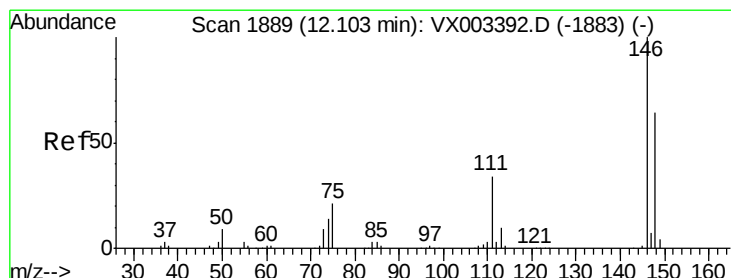
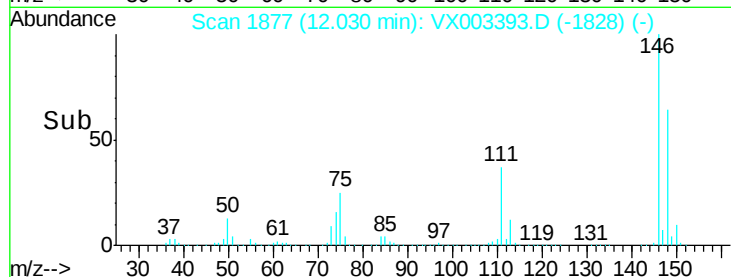
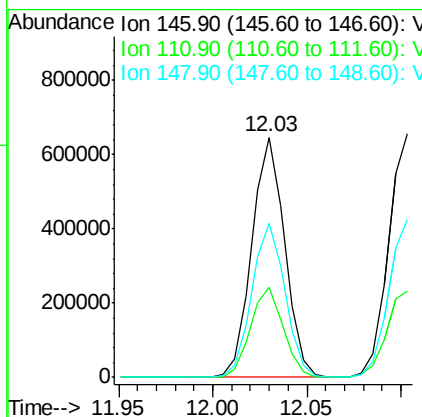
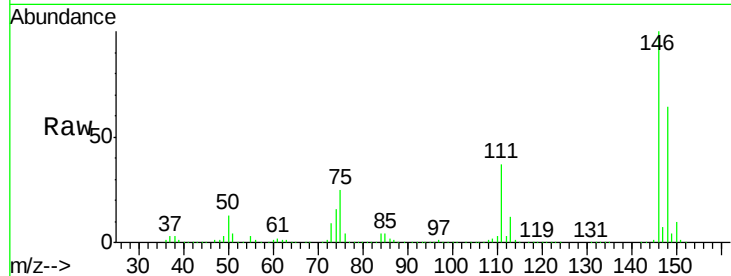
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	783134
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.9	56.7
148	64.5	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 78.29 ug/l

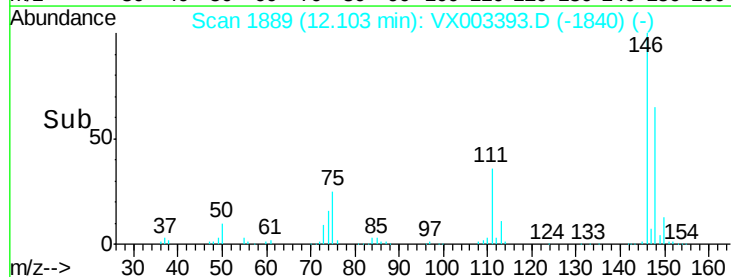
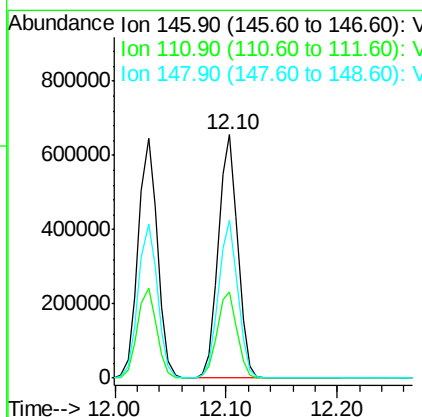
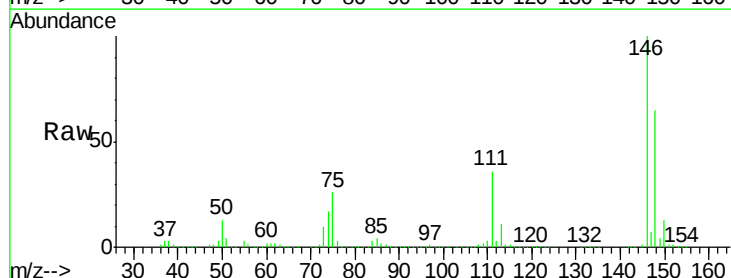
RT: 12.10 min Scan# 1889

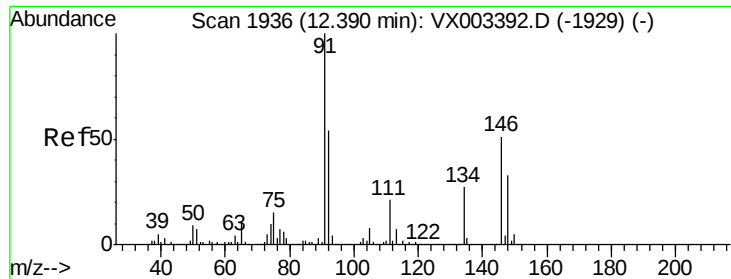
Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Tgt Ion:	146	Resp:	789749
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.7	56.1
148	64.6	32.4	97.0





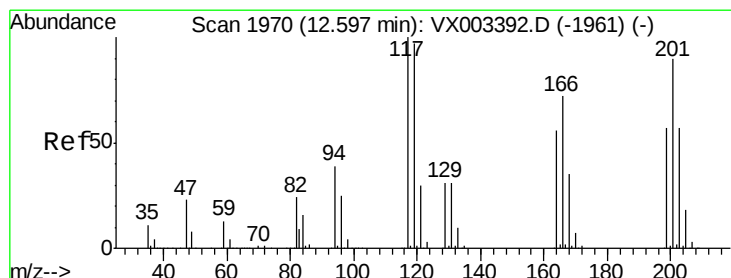
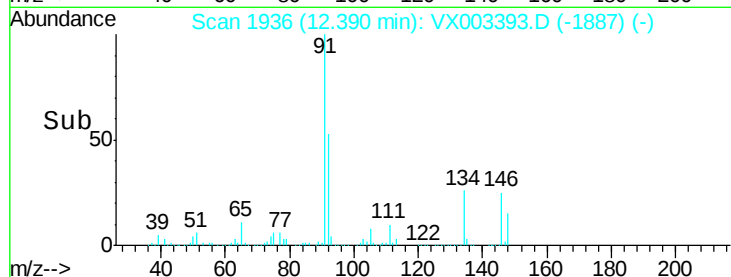
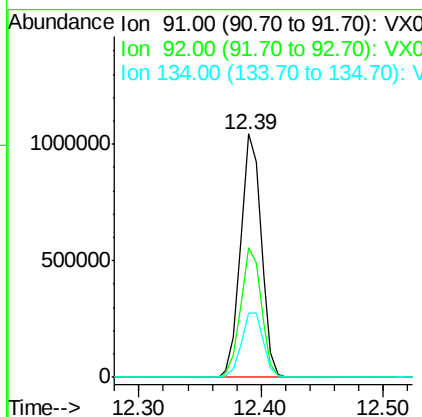
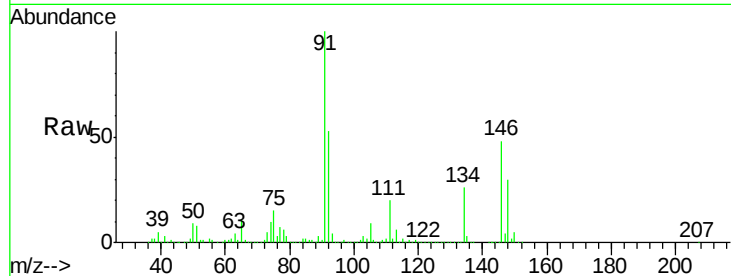
#89
n-Butylbenzene
Concen: 85.88 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1214230
Ion Ratio Lower Upper
91 100
92 53.1 26.0 78.0
134 27.9 13.5 40.5

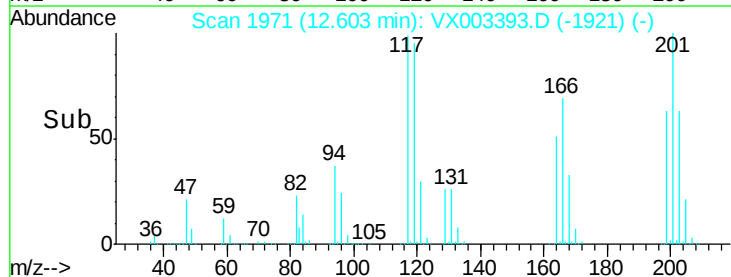
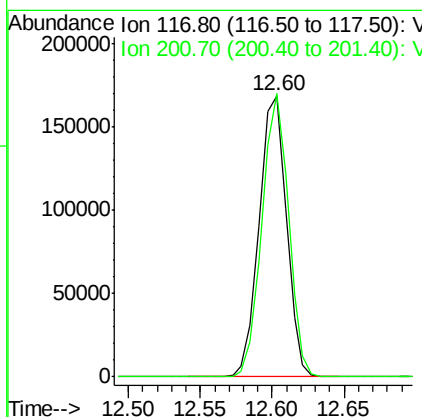
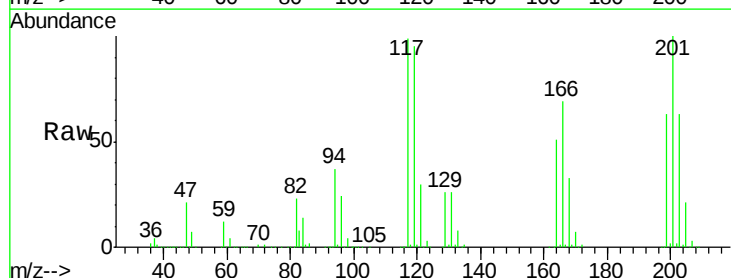
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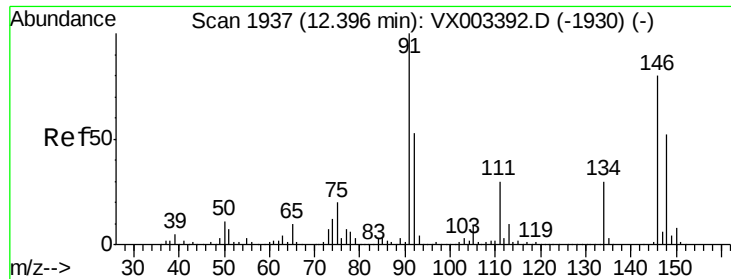
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#90
Hexachloroethane
Concen: 88.90 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.01 min
Lab File: VX003393.D
Acq: 16 Jul 2018 12:14

Tgt Ion: 117 Resp: 220188
Ion Ratio Lower Upper
117 100
201 98.0 49.0 147.0





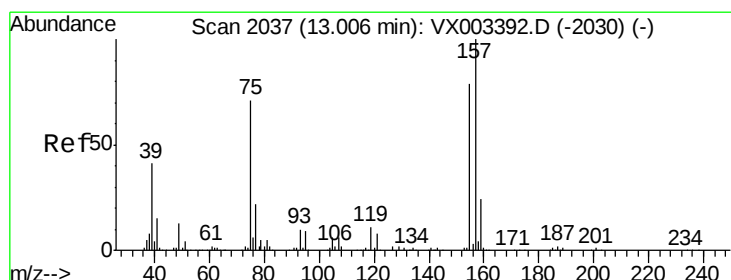
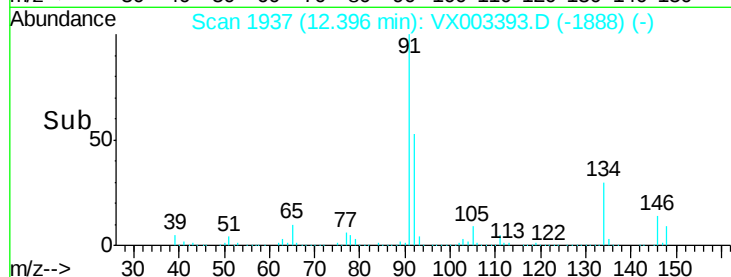
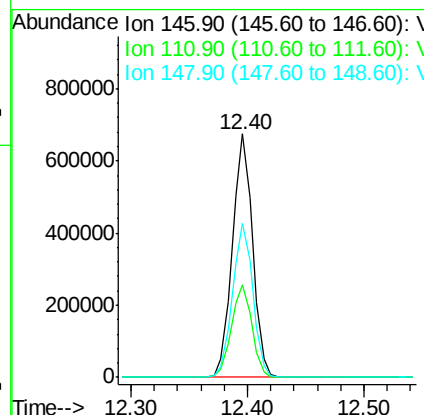
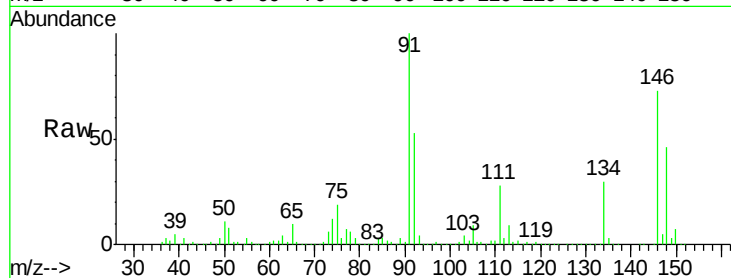
#91
 1,2-Dichlorobenzene
 Concen: 81.54 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	63.7	31.7	95.1

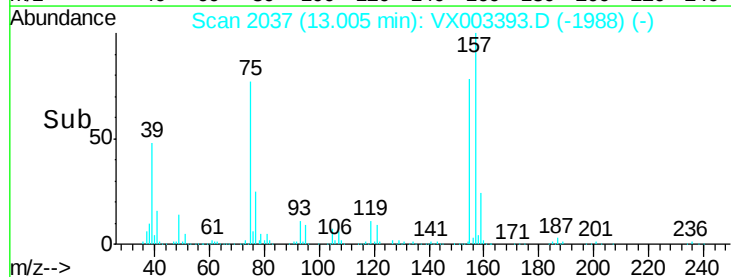
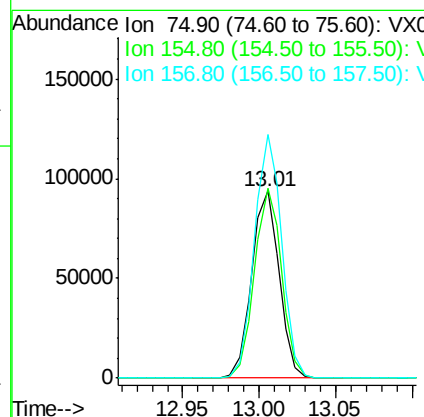
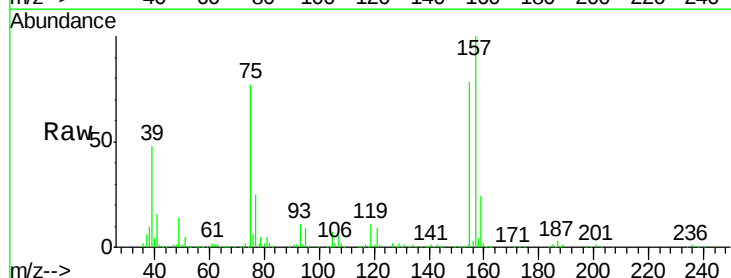
Manual Integrations
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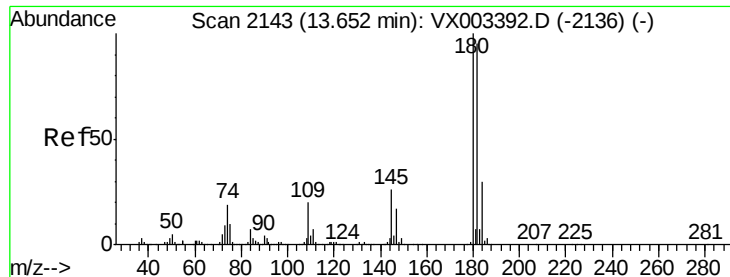
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 95.81 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	45.8	137.4
157	129.1	60.1	180.3





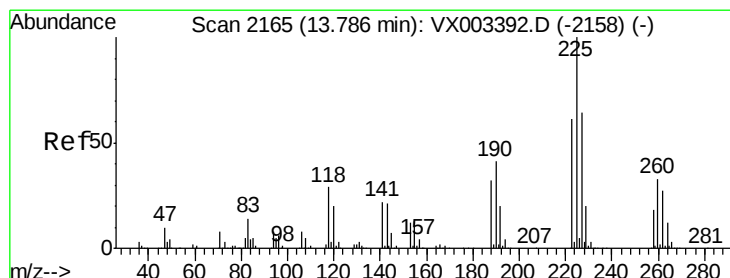
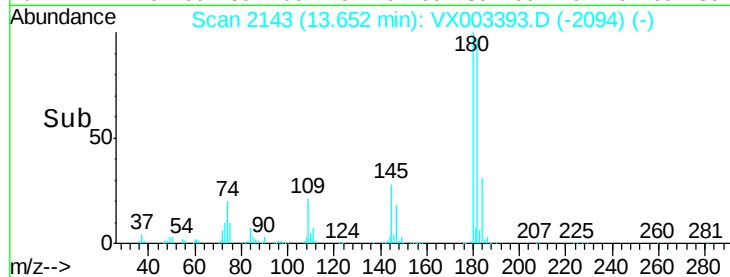
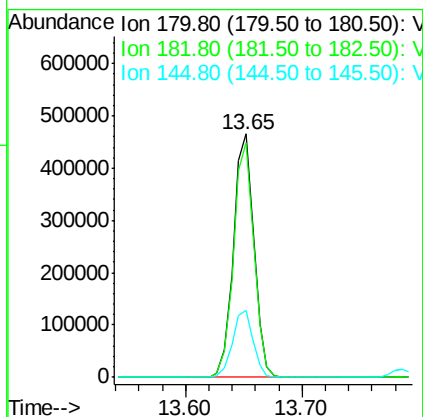
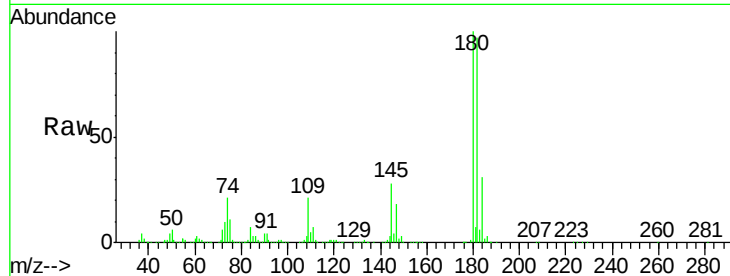
#93
 1,2,4-Trichlorobenzene
 Concen: 83.93 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	570880		
182	95.9	47.7	143.1	
145	27.9	14.1	42.4	

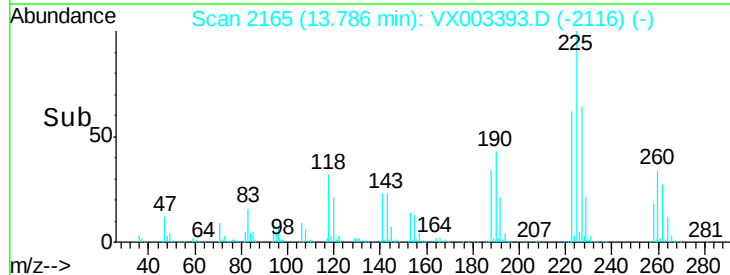
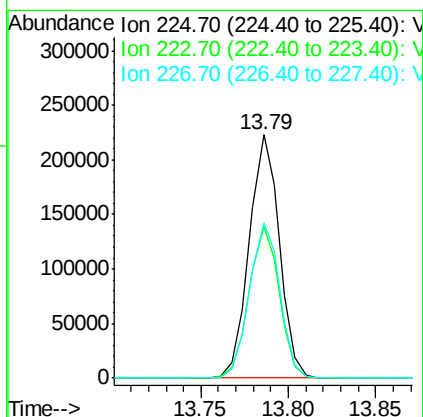
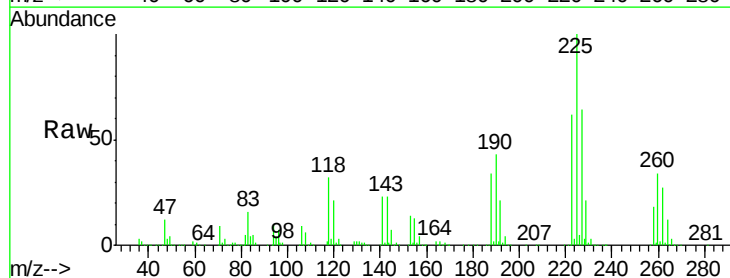
Manual Integrations
 APPROVED

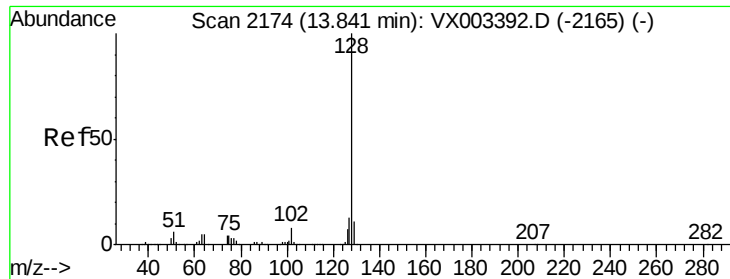
MMDadoda
 7/17/2018 1:46:32 PM



#94
 Hexachlorobutadiene
 Concen: 83.54 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003393.D
 Acq: 16 Jul 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	268144		
223	62.4	31.6	95.0	
227	64.5	32.4	97.2	





#95

Naphthalene

Concen: 90.33 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1722099

Ion Ratio Lower Upper

128 100

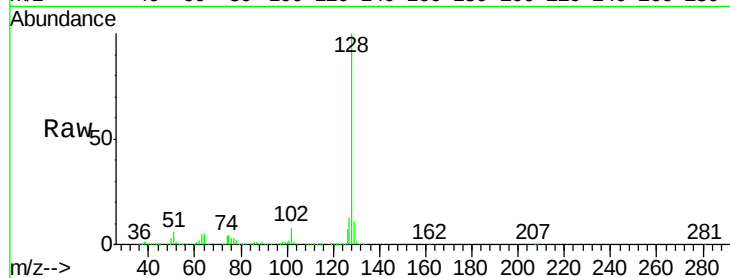
127 12.9 10.4 15.6

129 11.0 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

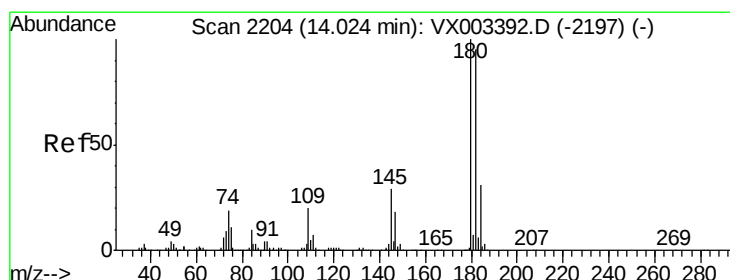
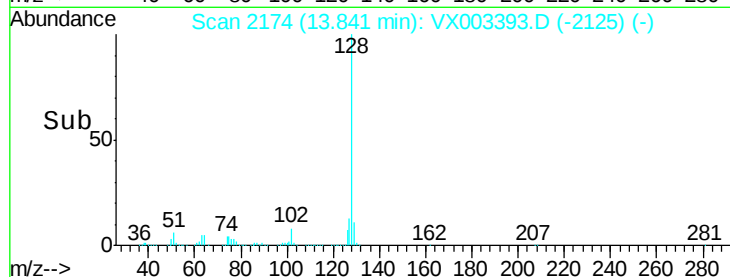
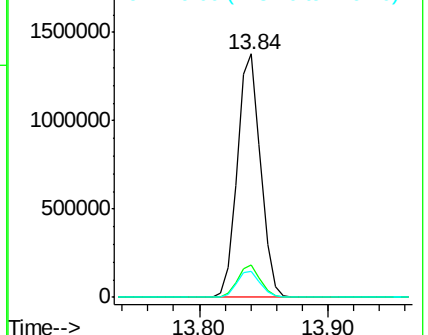
7/17/2018 1:46:32 PM



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: 87.68 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003393.D

Acq: 16 Jul 2018 12:14

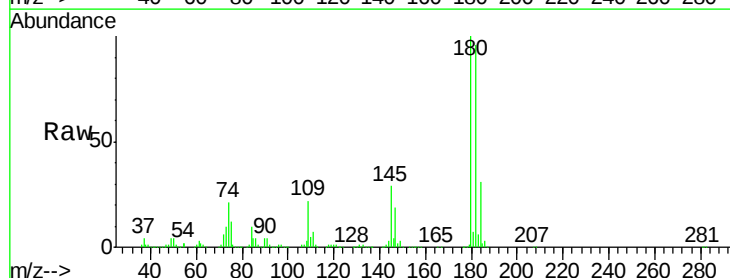
Tgt Ion:180 Resp: 601930

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

145 29.3 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

