

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071118\
 Data File : VX003324.D
 Acq On : 11 Jul 2018 17:16
 Operator : JC/MD
 Sample : VX0711WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 10:59:28 AM

Quant Time: Jul 12 01:16:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335615	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198105	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	206382	56.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.80%	
35) Dibromofluoromethane	5.51	113	170407	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	8.72	98	652934	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.14	95	236229	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	87240	24.681	ug/l	98
3) Chloromethane	1.32	50	85462	26.593	ug/l	100
4) Vinyl Chloride	1.40	62	98237	29.782	ug/l	99
5) Bromomethane	1.64	94	39606	41.348	ug/l	98
6) Chloroethane	1.72	64	58652	32.093	ug/l	99
7) Trichlorofluoromethane	1.93	101	131597	26.839	ug/l	98
8) Diethyl Ether	2.19	74	52966	29.883	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	79838	27.809	ug/l	97
10) Methyl Iodide	2.51	142	70482	25.373	ug/l	97
11) Tert butyl alcohol	3.08	59	101224	152.591	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73153	27.997	ug/l	95
13) Acrolein	2.29	56	68384	127.926	ug/l	99
14) Allyl chloride	2.73	41	142290	29.402	ug/l	89
15) Acrylonitrile	3.15	53	234167	158.085	ug/l	98
16) Acetone	2.45	43	180835	139.205	ug/l	91
17) Carbon Disulfide	2.57	76	199391	27.462	ug/l	98
18) Methyl Acetate	2.78	43	127569	34.810	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	249671	28.609	ug/l	99
20) Methylene Chloride	2.86	84	86490	32.239	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	78013	28.011	ug/l	93
22) Diisopropyl ether	3.88	45	253366	25.734	ug/l	96
23) Vinyl Acetate	3.82	43	1120048	133.992	ug/l	99
24) 1,1-Dichloroethane	3.70	63	149139	29.103	ug/l	98
25) 2-Butanone	4.71	43	272251	118.439	ug/l	94
26) 2,2-Dichloropropane	4.58	77	100028	22.317	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	78671	22.984	ug/l	86
28) Bromochloromethane	5.02	49	60122	23.286	ug/l	93
29) Tetrahydrofuran	5.17	42	178896	119.908	ug/l	94
30) Chloroform	5.22	83	133008	23.596	ug/l	99
31) Cyclohexane	5.57	56	113760	23.707	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	109924	22.105	ug/l	99
36) 1,1-Dichloropropene	5.80	75	98830	20.802	ug/l	98
37) Ethyl Acetate	4.87	43	104999	20.159	ug/l	97
38) Carbon Tetrachloride	5.79	117	97002	18.664	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	115058	20.557	ug/l	97
40) Benzene	6.15	78	297836	21.154	ug/l	99
41) Methacrylonitrile	5.07	41	58913	20.661	ug/l	93
42) 1,2-Dichloroethane	6.20	62	106049	20.160	ug/l	98
43) Isopropyl Acetate	6.48	43	167287	20.454	ug/l	96
44) Trichloroethene	7.21	130	82571	19.832	ug/l	97
45) 1,2-Dichloropropane	7.52	63	76896	21.007	ug/l	98
46) Dibromomethane	7.67	93	51191	20.517	ug/l	98
47) Bromodichloromethane	7.90	83	93355	20.279	ug/l	98
48) Methyl methacrylate	7.78	41	85283	20.331	ug/l	89
49) 1,4-Dioxane	7.76	88	36939	421.160	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	562617	110.493	ug/l	95
52) Toluene	8.79	92	187853	21.106	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	110252	20.353	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	99647	20.212	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	76121	20.616	ug/l	98
56) Ethyl methacrylate	9.18	69	110361	21.823	ug/l #	87
57) 1,3-Dichloropropane	9.38	76	127597	21.454	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	280025	114.788	ug/l	100
59) 2-Hexanone	9.50	43	427524	110.543	ug/l	92
60) Dibromochloromethane	9.59	129	73920	19.174	ug/l	99
61) 1,2-Dibromoethane	9.68	107	78583	20.308	ug/l	99
64) Tetrachloroethene	9.34	164	90580	20.009	ug/l	96
65) Chlorobenzene	10.14	112	210274	20.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	73710	20.078	ug/l	99
67) Ethyl Benzene	10.26	91	353030	21.454	ug/l	99
68) m/p-Xylenes	10.36	106	275165	42.985	ug/l	98
69) o-Xylene	10.70	106	130879	21.104	ug/l	99
70) Styrene	10.71	104	217531	21.632	ug/l	98
71) Bromoform	10.86	173	55058	18.227	ug/l #	99
73) Isopropylbenzene	11.02	105	359311	22.972	ug/l	100
74) N-amyl acetate	6.48	43	167287	22.420	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	113709	23.438	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	113759m	26.571	ug/l	
77) Bromobenzene	11.26	156	95571	21.163	ug/l	98
78) n-propylbenzene	11.37	91	408837	23.509	ug/l	100
79) 2-Chlorotoluene	11.43	91	243721	23.004	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	298238	22.899	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	28612	21.842	ug/l	98
82) 4-Chlorotoluene	11.51	91	283440	22.913	ug/l	100
83) tert-Butylbenzene	11.77	119	287797	22.122	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	305934	22.939	ug/l	99
85) sec-Butylbenzene	11.95	105	356626	23.192	ug/l	99
86) p-Isopropyltoluene	12.07	119	316273	22.575	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	174482	21.063	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	175970	20.982	ug/l	99
89) n-Butylbenzene	12.39	91	271465	23.192	ug/l	99
90) Hexachloroethane	12.60	117	44362	20.740	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	177785	21.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23692	22.762	ug/l	97

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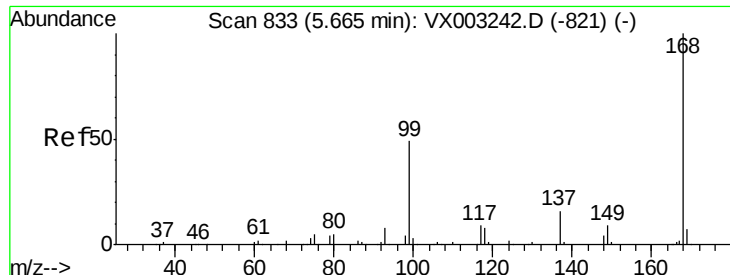
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	121479	20.066	ug/l	100
94) Hexachlorobutadiene	13.79	225	58026	19.253	ug/l	99
95) Naphthalene	13.84	128	369339	23.318	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125745	20.826	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion:168 Resp: 232501

Ion Ratio Lower Upper

168 100

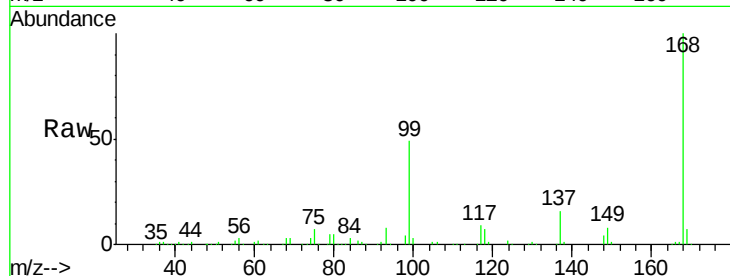
99 49.1 39.3 58.9

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

80000

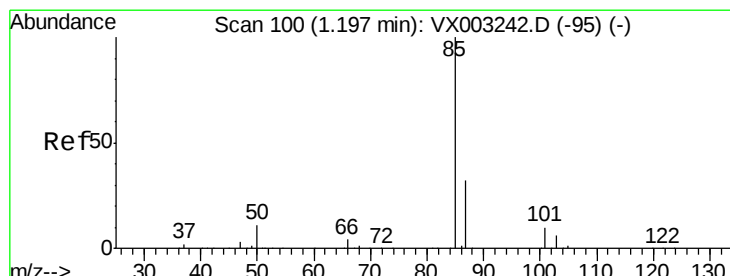
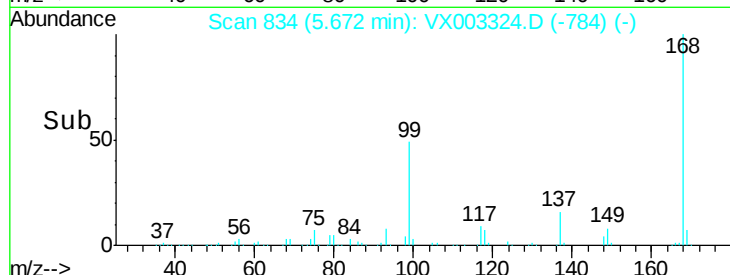
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 24.681 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX003324.D

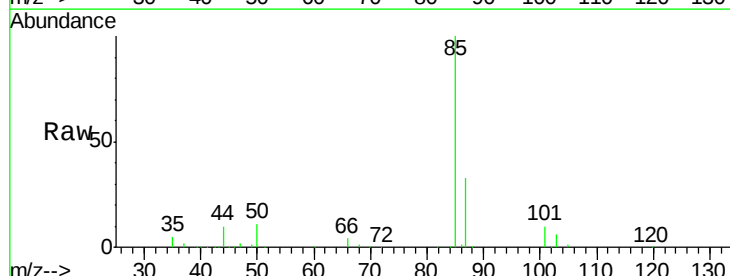
Acq: 11 Jul 2018 17:16

Tgt Ion: 85 Resp: 87240

Ion Ratio Lower Upper

85 100

87 32.8 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

100000

80000

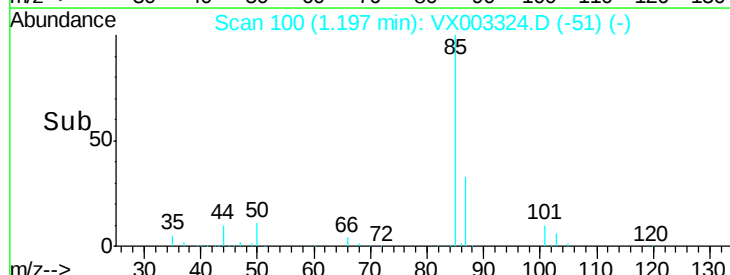
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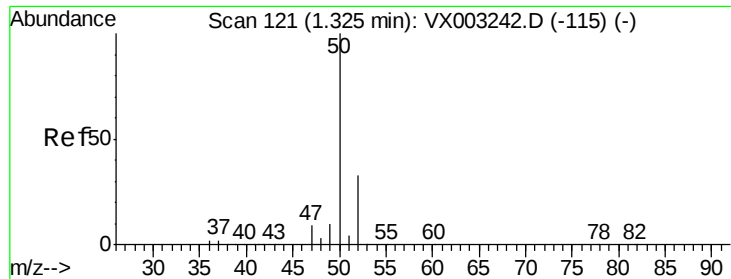
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 26.593 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 50 Resp: 85462

Ion Ratio Lower Upper

50 100

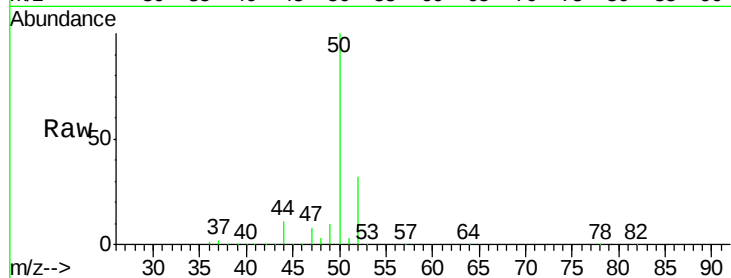
52 31.9 25.7 38.5

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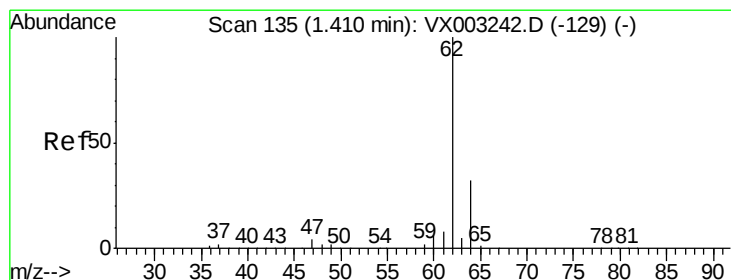
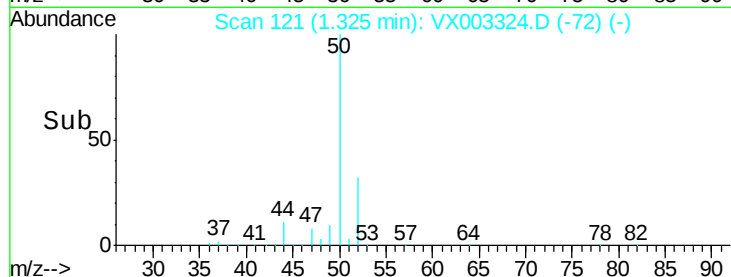
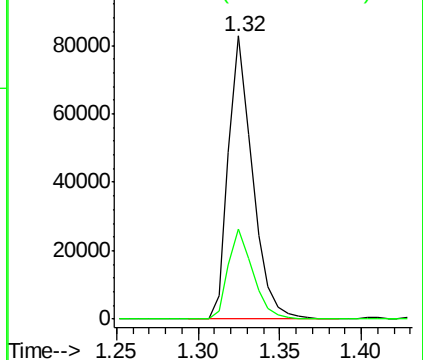
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 29.782 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003324.D

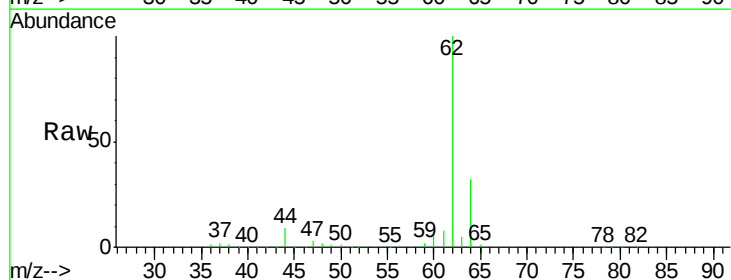
Acq: 11 Jul 2018 17:16

Tgt Ion: 62 Resp: 98237

Ion Ratio Lower Upper

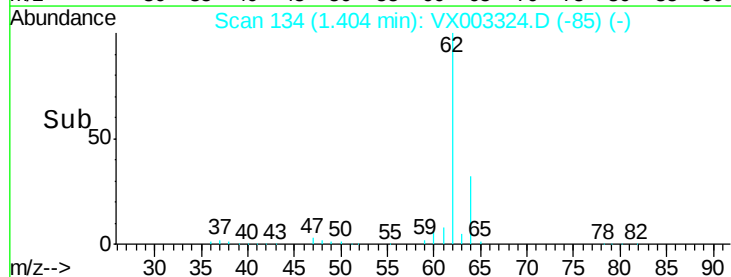
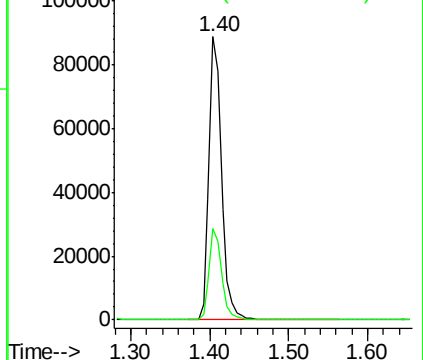
62 100

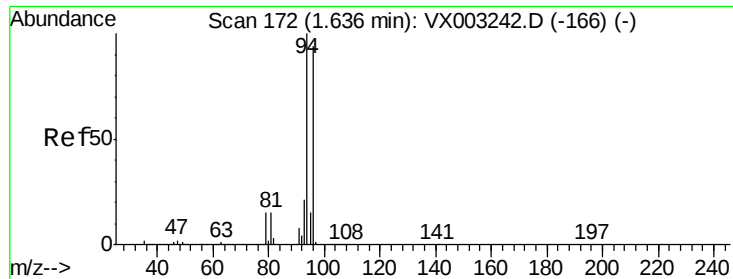
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.348 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 94 Resp: 39606

Ion Ratio Lower Upper

94 100

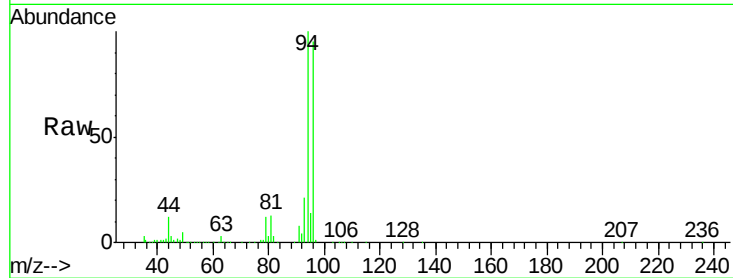
96 95.2 74.9 112.3

Manual Integrations

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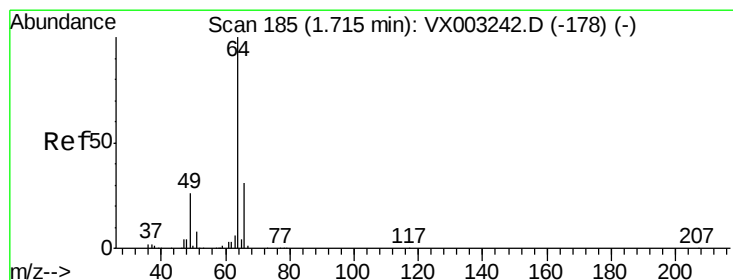
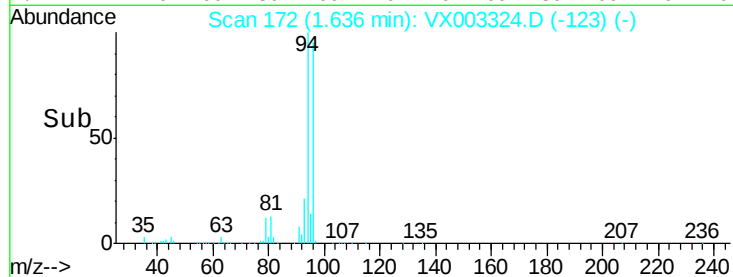
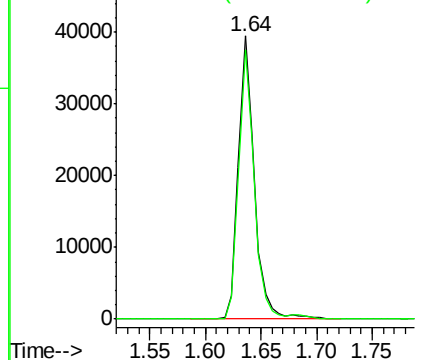
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 32.093 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003324.D

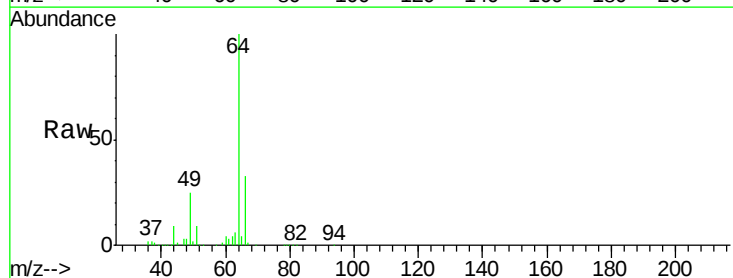
Acq: 11 Jul 2018 17:16

Tgt Ion: 64 Resp: 58652

Ion Ratio Lower Upper

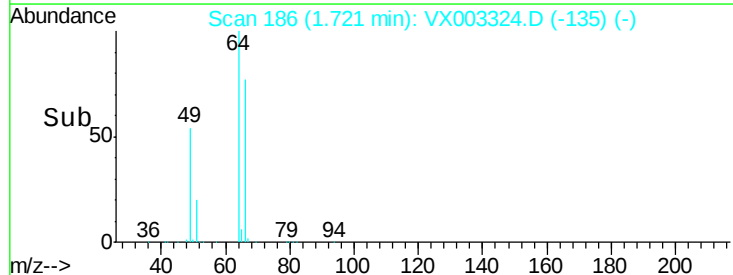
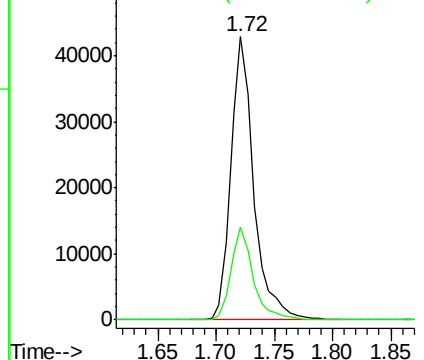
64 100

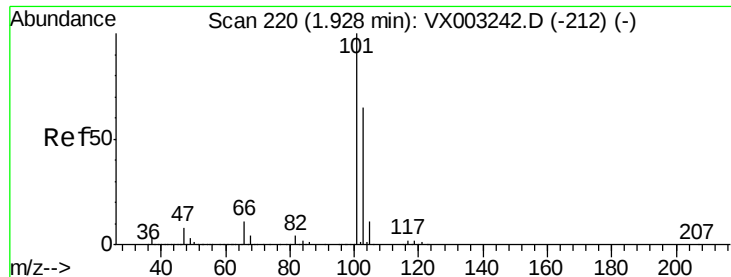
66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

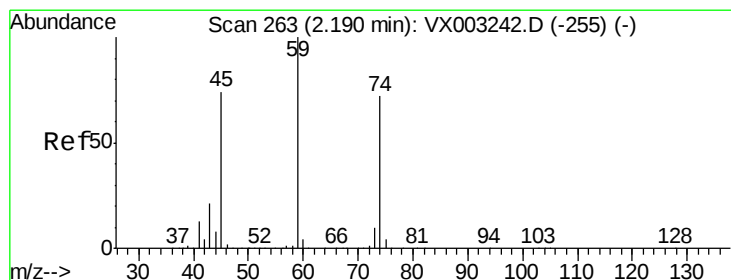
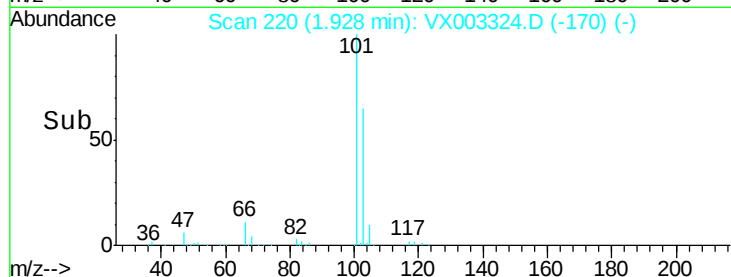
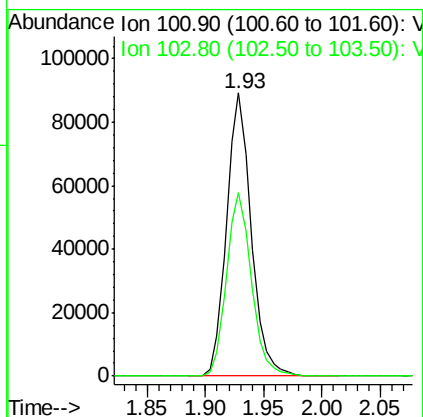
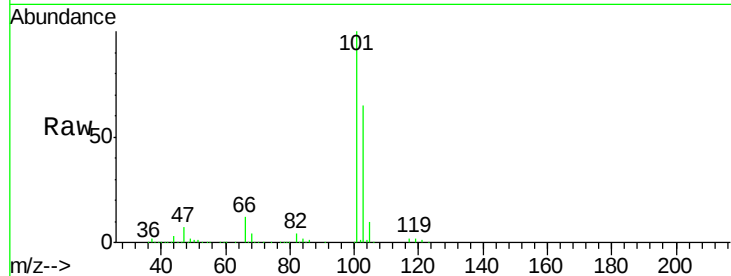
Trichlorofluoromethane
Concen: 26.839 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.8	79.2

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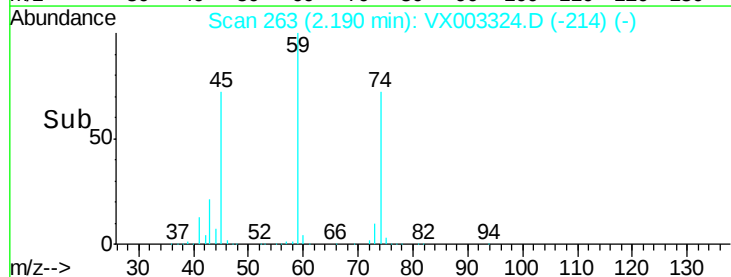
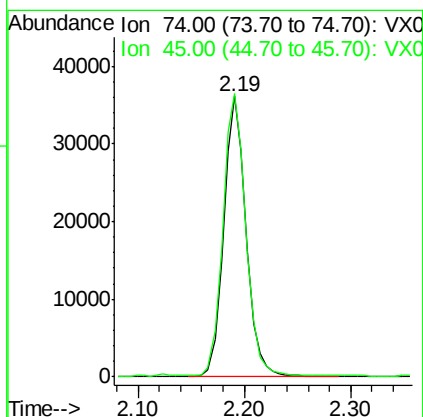
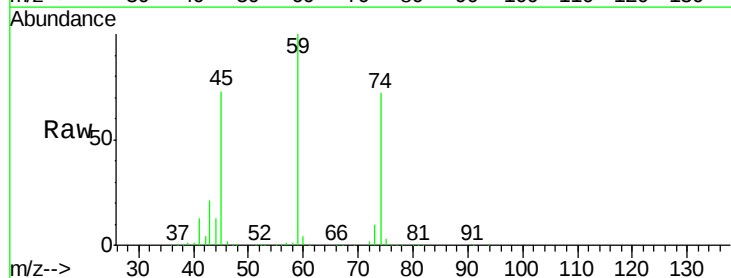
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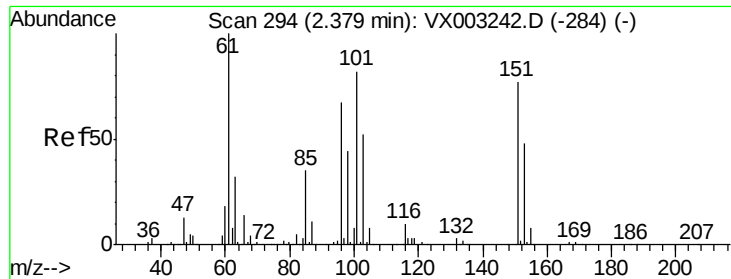


#8

Diethyl Ether
Concen: 29.883 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.809 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion:101 Resp: 79838

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

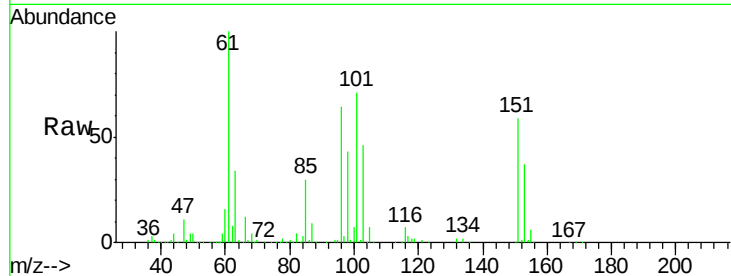
151 85.0 70.9 106.3

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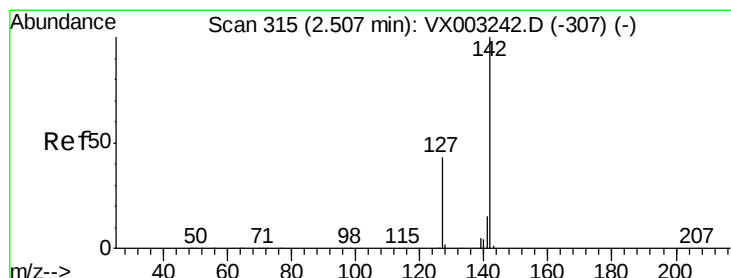
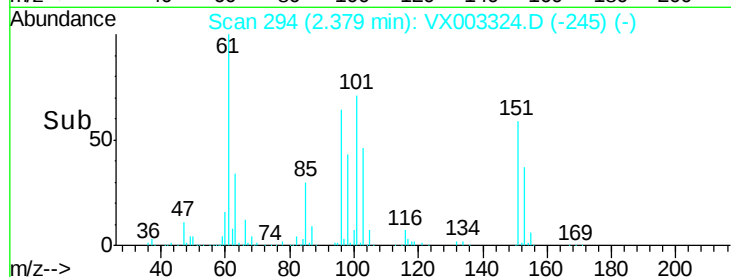
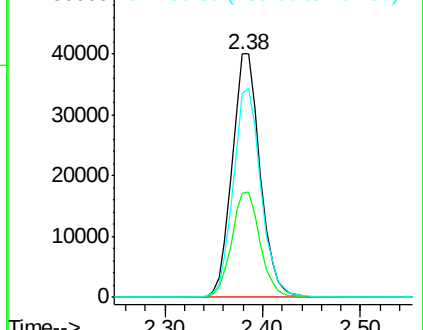
7/12/2018 10:59:28 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 25.373 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

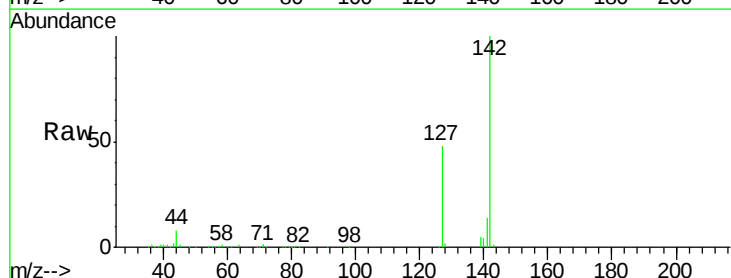
Tgt Ion:142 Resp: 70482

Ion Ratio Lower Upper

142 100

127 43.5 36.6 55.0

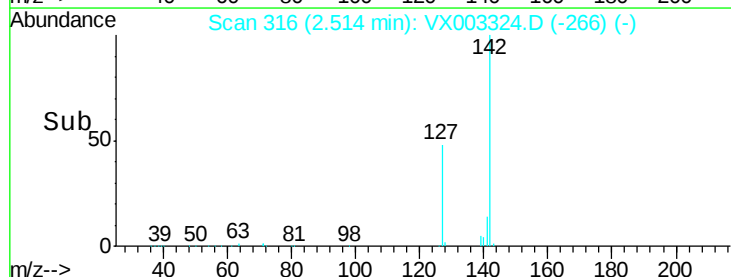
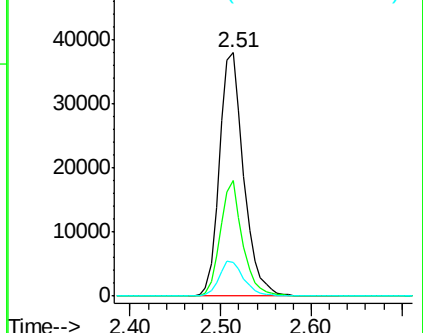
141 14.6 11.3 16.9

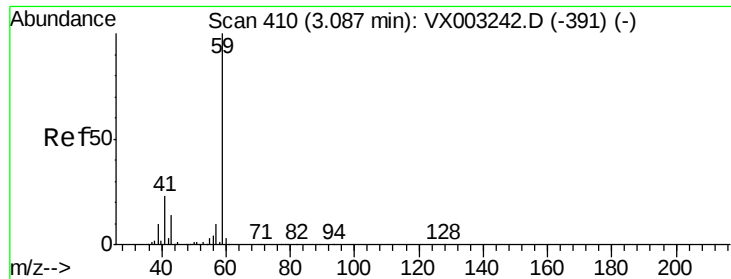


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

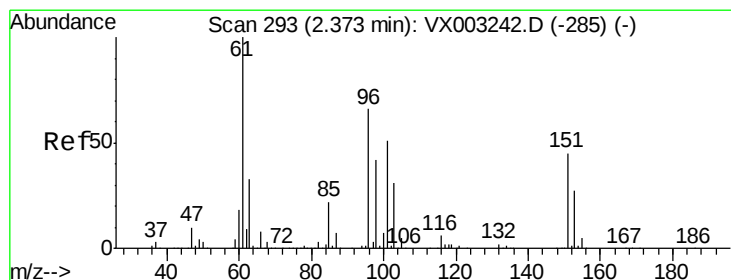
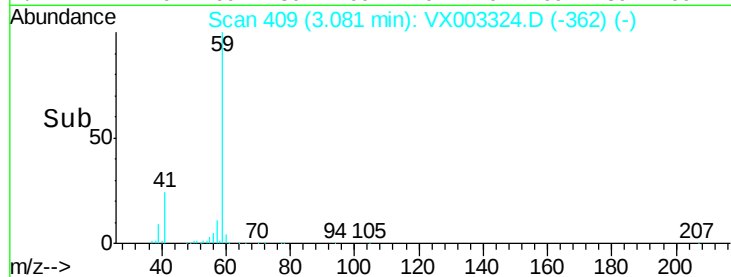
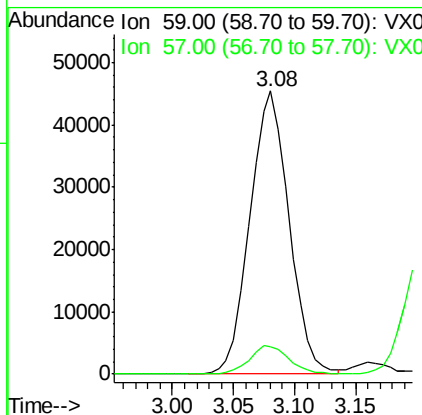
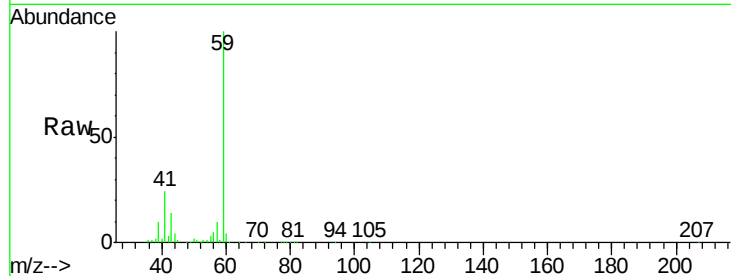
Tert butyl alcohol
 Concen: 152.591 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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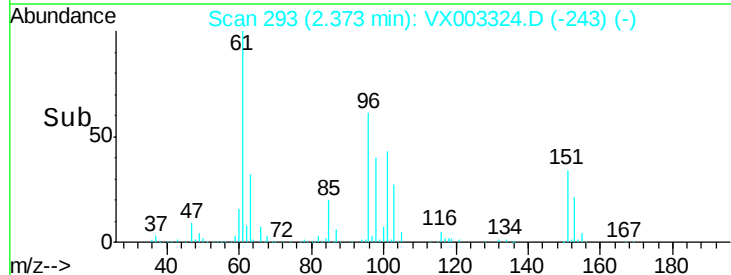
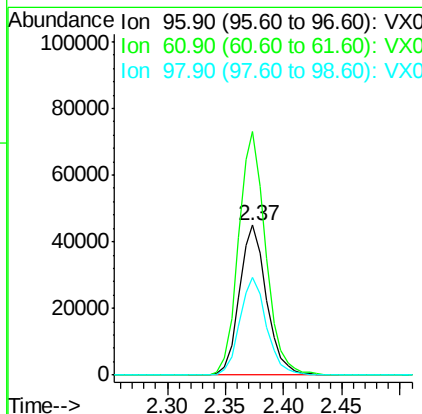
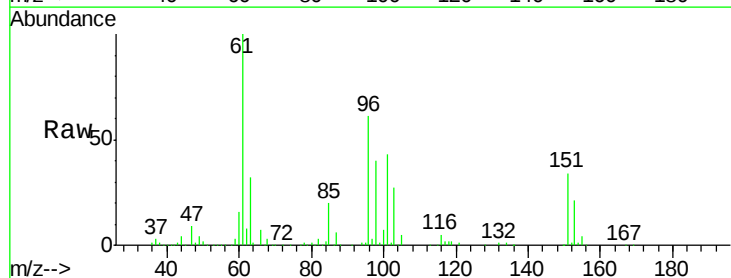
MMDadoda
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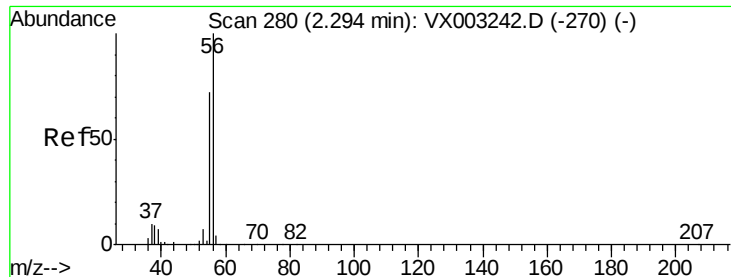


#12

1,1-Dichloroethene
 Concen: 27.997 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.6	137.9	206.9
98	64.9	51.6	77.4





#13

Acrolein

Concen: 127.926 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 56 Resp: 68384

Ion Ratio Lower Upper

56 100

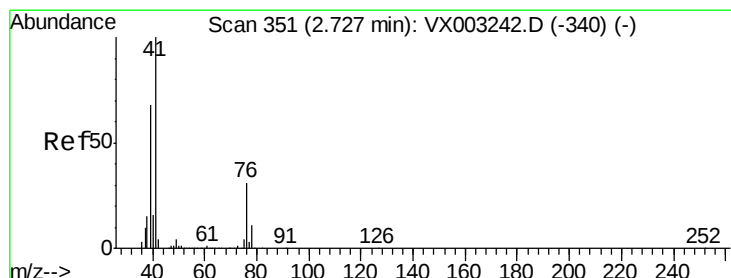
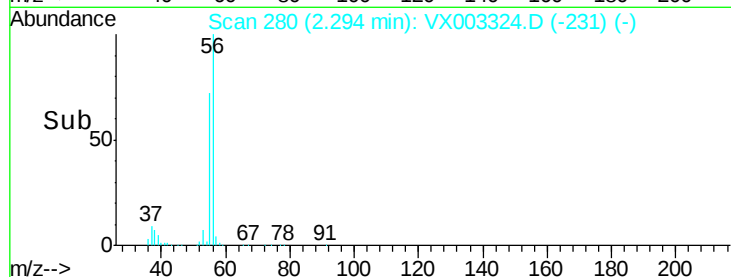
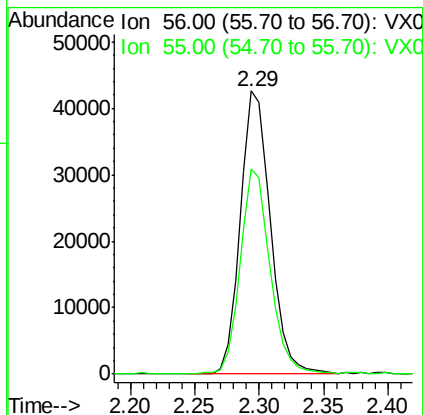
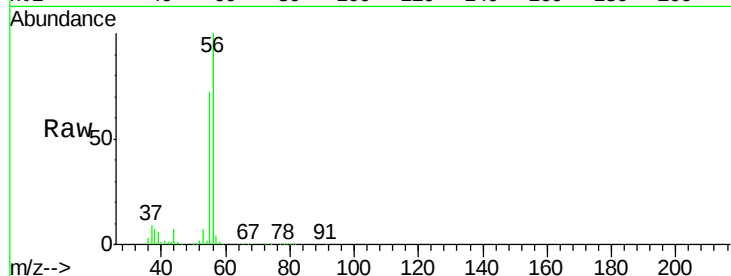
55 71.6 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 29.402 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

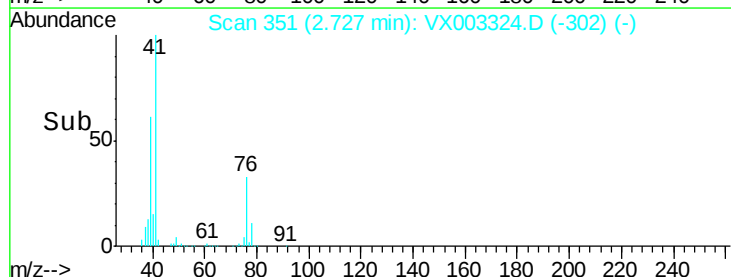
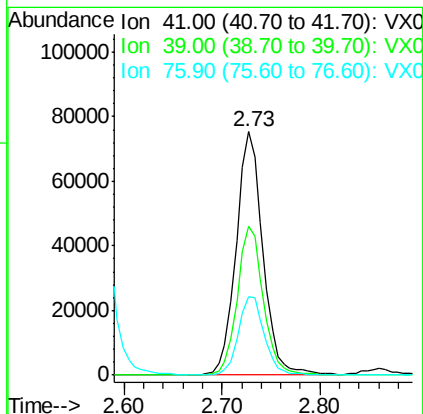
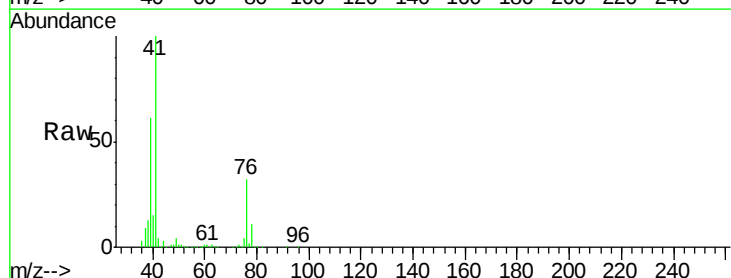
Tgt Ion: 41 Resp: 142290

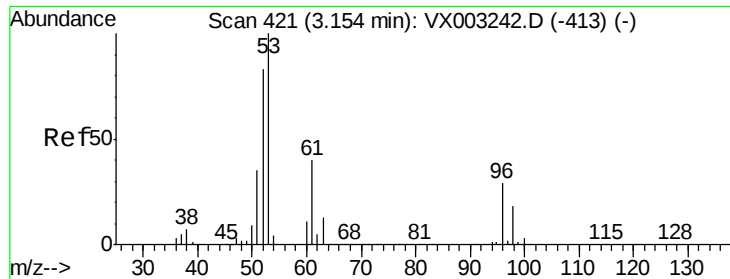
Ion Ratio Lower Upper

41 100

39 59.2 56.8 85.2

76 31.6 23.8 35.8





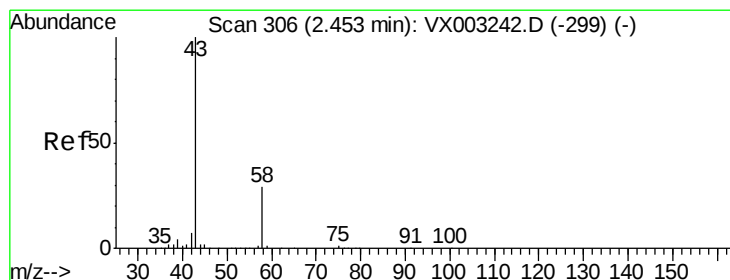
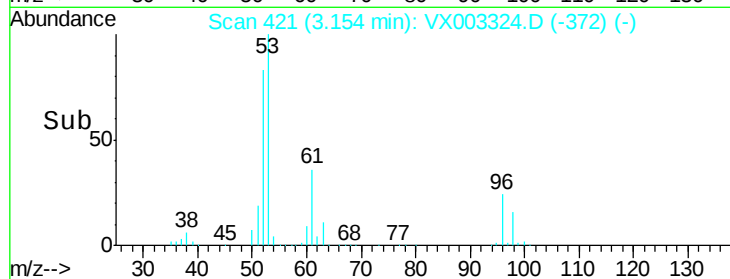
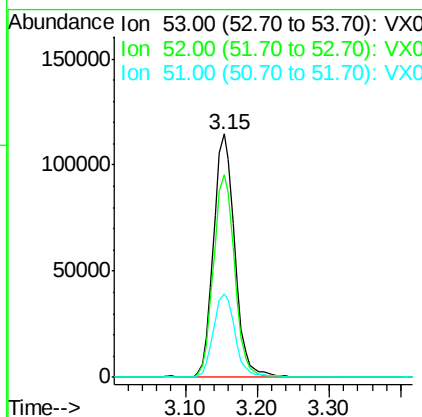
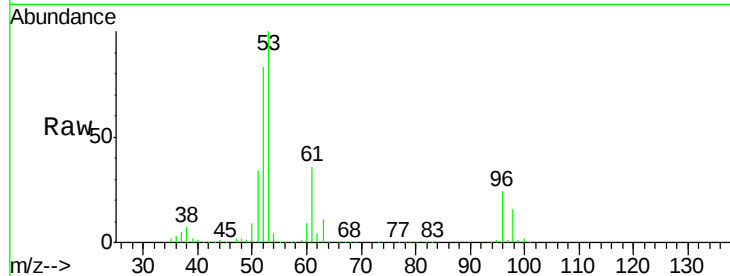
#15
 Acrylonitrile
 Concen: 158.085 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion:	53	Resp:	234167
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.7	100.1
51	35.2	29.9	44.9

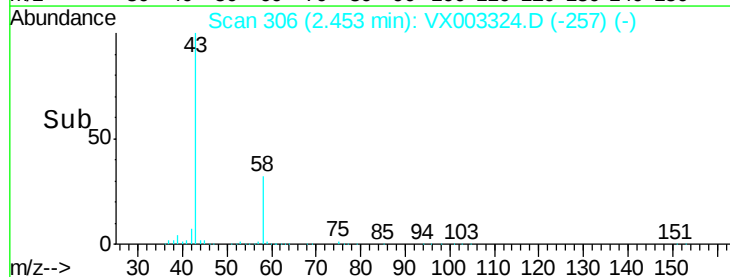
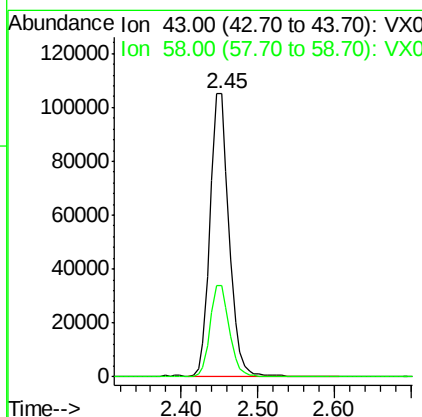
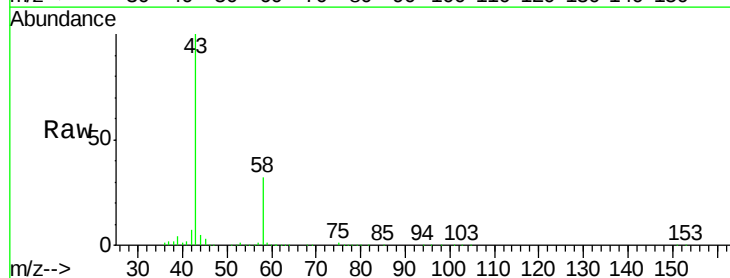
Manual Integrations
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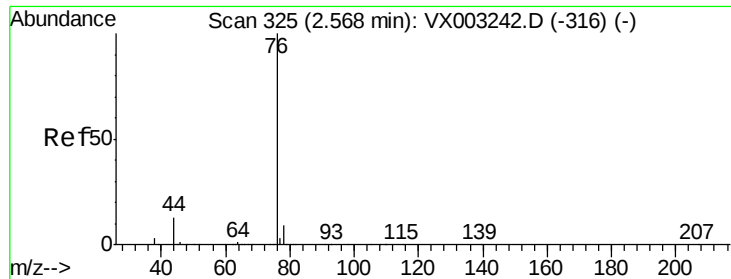
MMDadoda
 7/12/2018 10:59:28 AM



#16
 Acetone
 Concen: 139.205 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion:	43	Resp:	180835
Ion Ratio	Lower	Upper	
43	100		
58	32.2	22.1	33.1





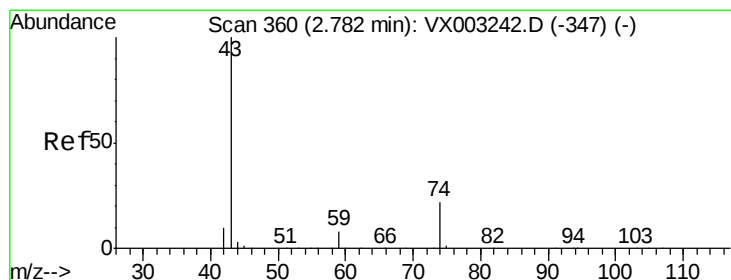
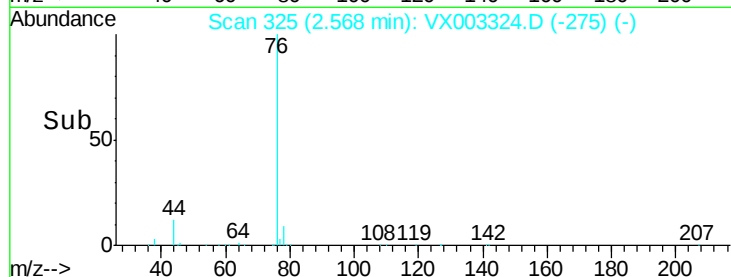
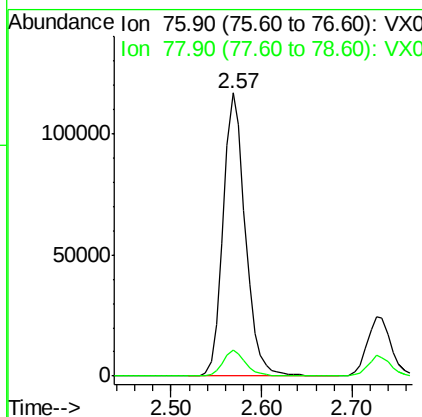
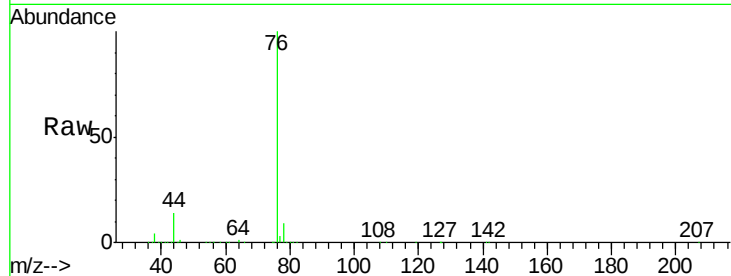
#17
Carbon Disulfide
Concen: 27.462 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	199391		
78	9.3	6.9	10.3	

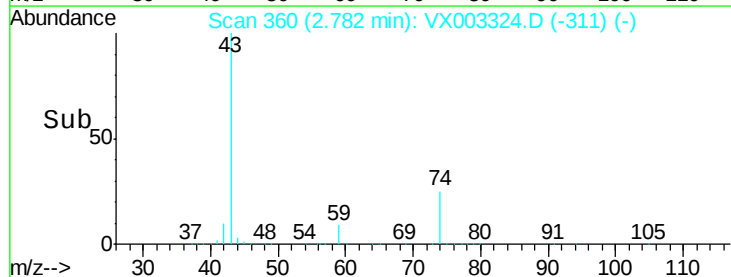
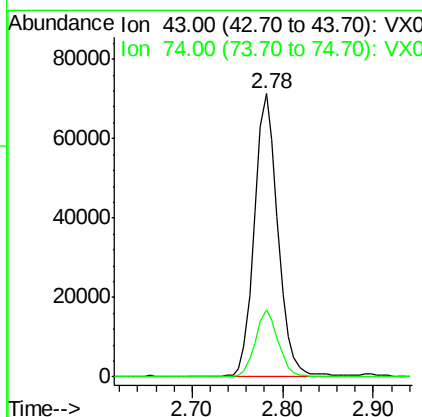
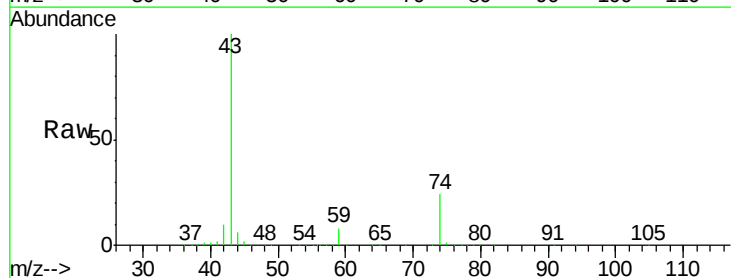
Manual Integrations
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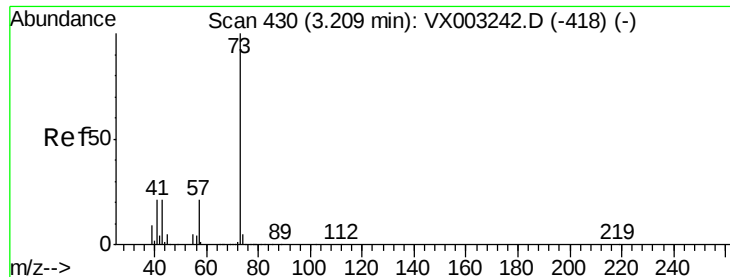
MMDadoda
7/12/2018 10:59:28 AM



#18
Methyl Acetate
Concen: 34.810 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	127569		
74	22.6	16.7	25.1	





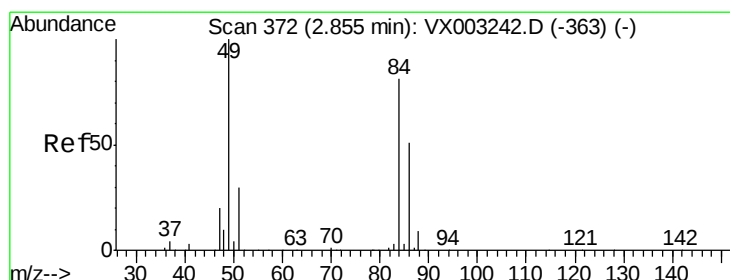
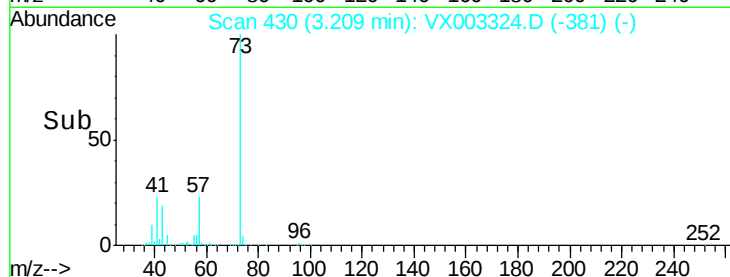
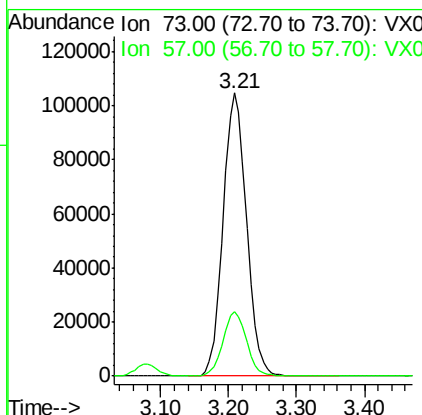
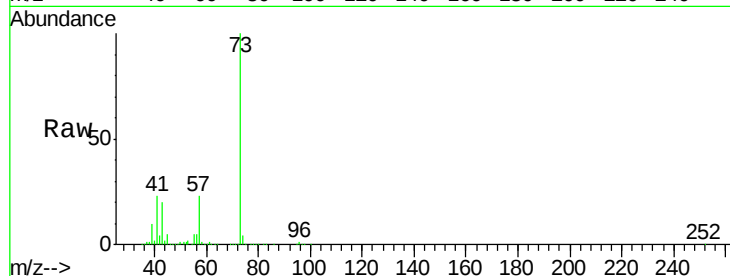
#19
Methvl tert-butvl Ether
Concen: 28.609 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion: 73 Resp: 249671
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

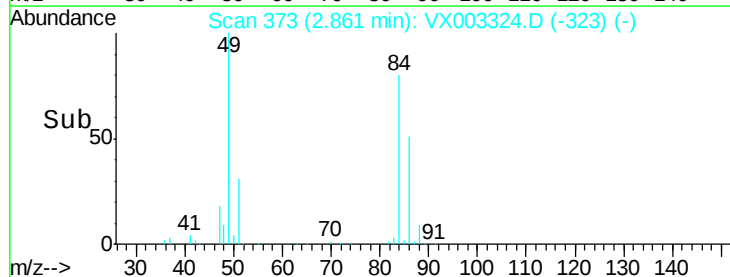
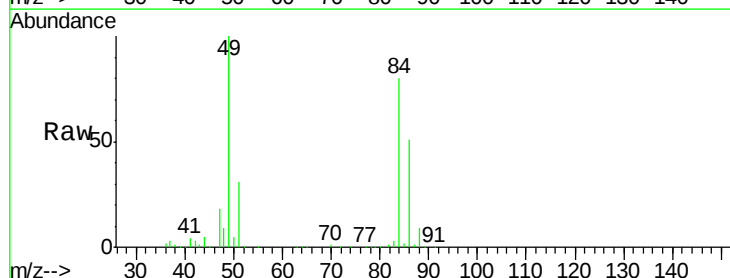
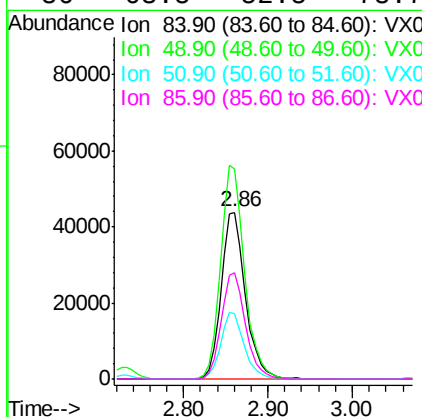
Manual Integrations
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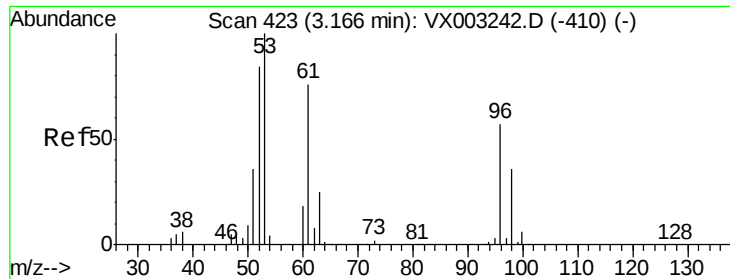
MMDadoda
7/12/2018 10:59:28 AM



#20
Methylene Chloride
Concen: 32.239 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion: 84 Resp: 86490
Ion Ratio Lower Upper
84 100
49 125.6 107.8 161.6
51 39.0 32.8 49.2
86 63.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 28.011 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 96 Resp: 78013

Ion Ratio Lower Upper

96 100

61 134.8 117.0 175.4

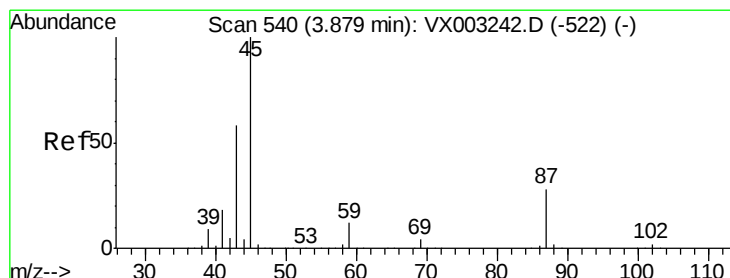
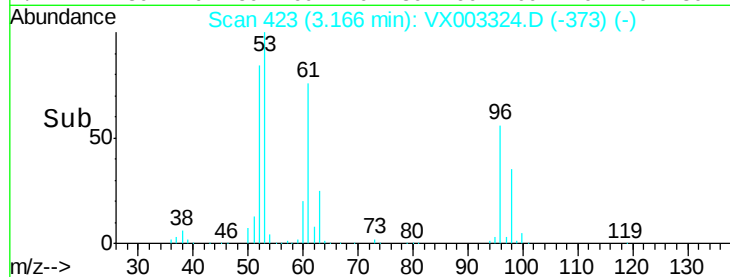
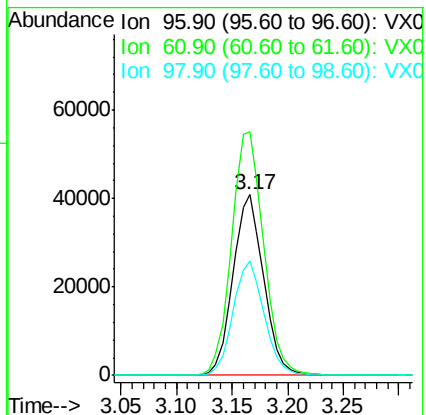
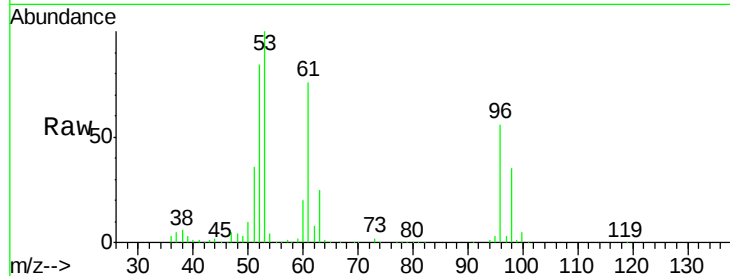
98 62.9 52.4 78.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 25.734 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion: 45 Resp: 253366

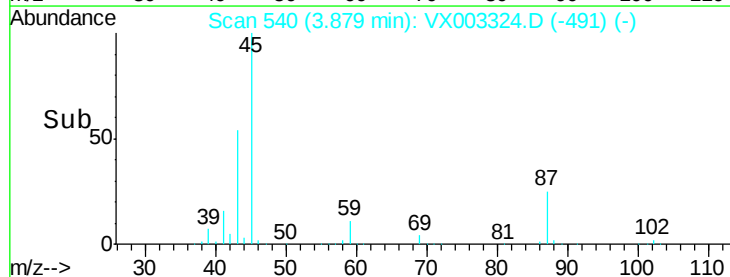
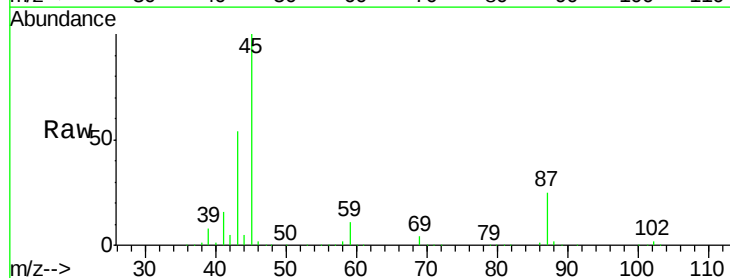
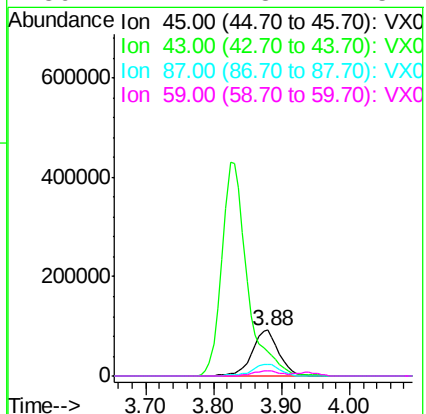
Ion Ratio Lower Upper

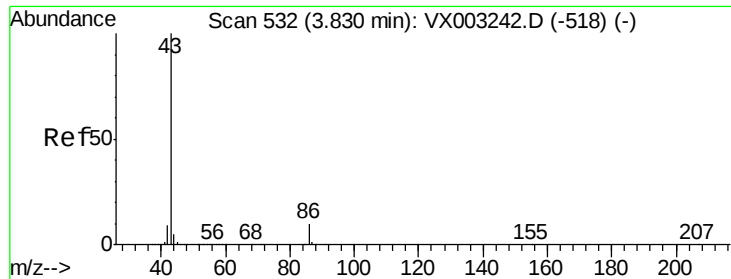
45 100

43 54.3 46.8 70.2

87 24.7 20.2 30.4

59 11.1 8.7 13.1





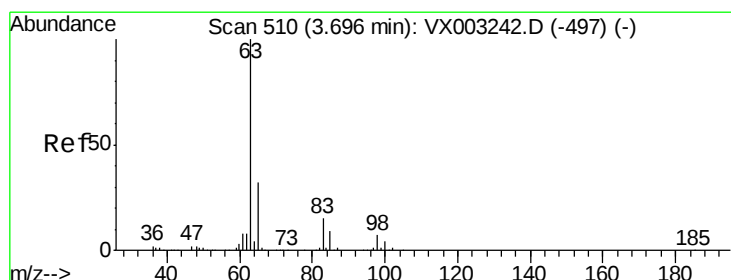
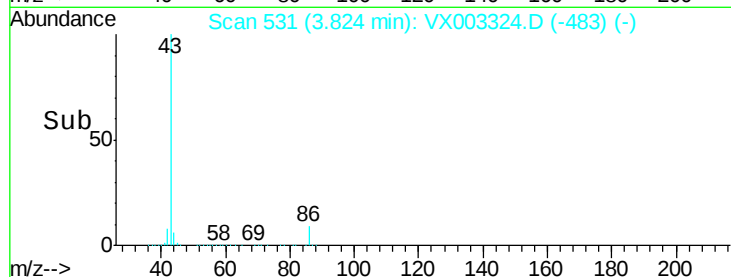
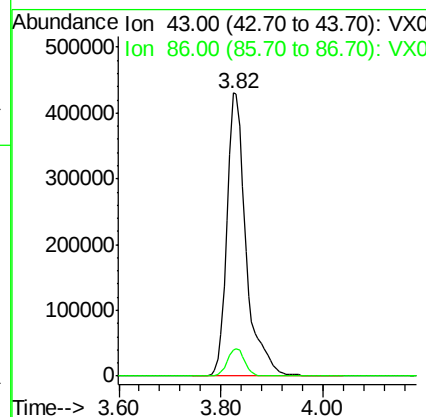
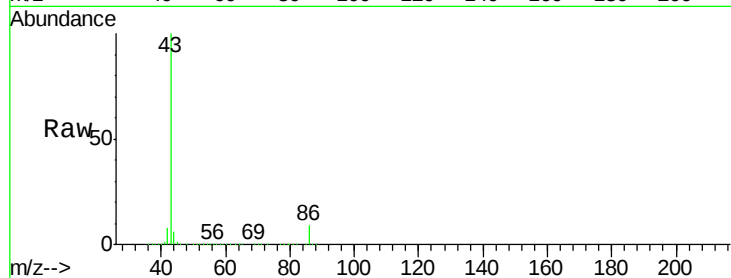
#23
 Vinyl Acetate
 Concen: 133.992 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0711WBSD01

Tot Ion: 43 Resp: 1120048
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.4 11.0

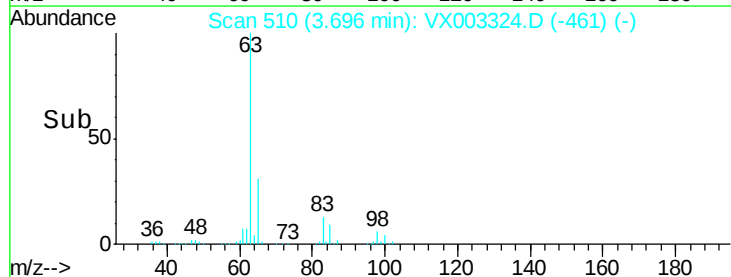
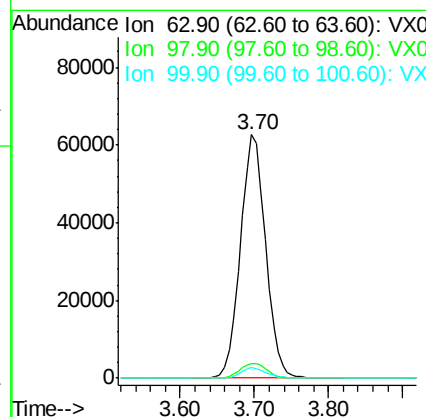
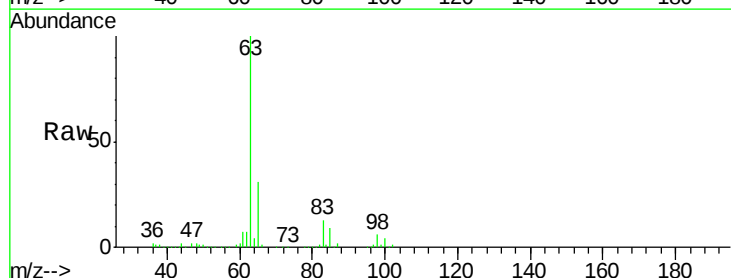
Manual Integrations
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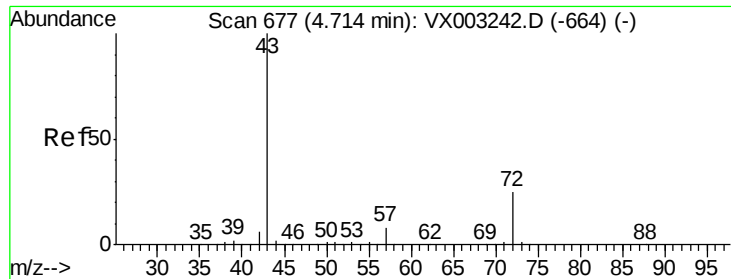
MMDadoda
 7/12/2018 10:59:28 AM



#24
 1,1-Dichloroethane
 Concen: 29.103 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion: 63 Resp: 149139
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.4 10.2
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 118.439 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 43 Resp: 272251

Ion Ratio Lower Upper

43 100

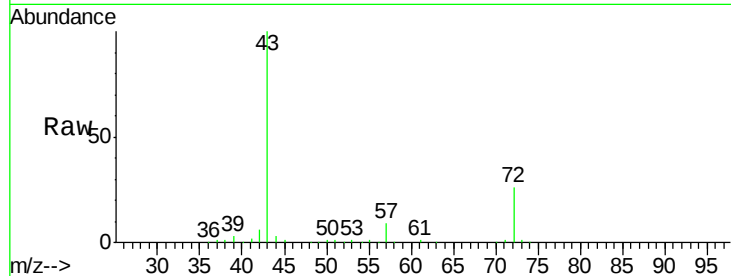
72 25.9 18.5 27.7

Manual Integrations

APPROVED

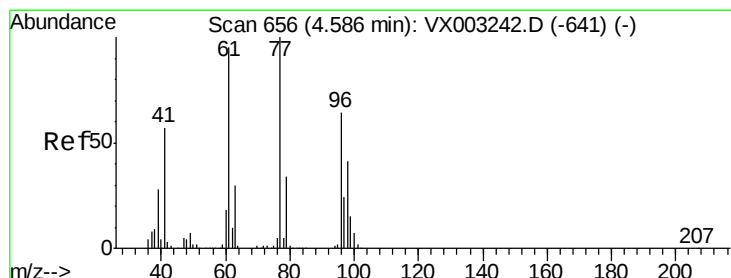
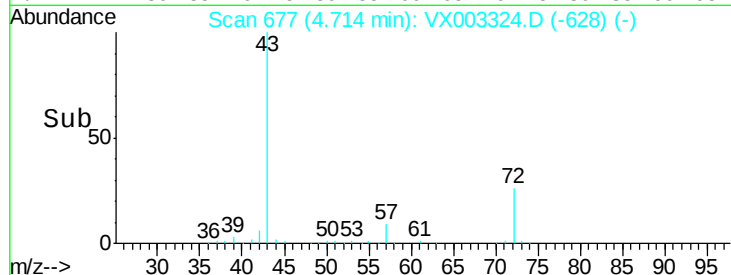
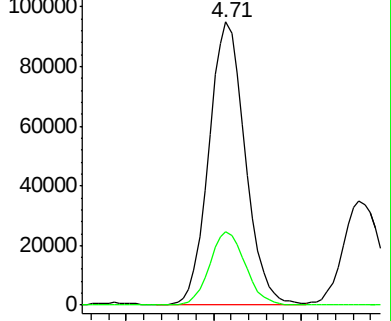
MMDadoda

7/12/2018 10:59:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 22.317 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003324.D

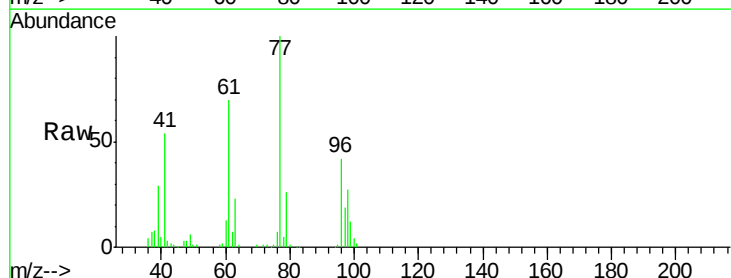
Acq: 11 Jul 2018 17:16

Tgt Ion: 77 Resp: 100028

Ion Ratio Lower Upper

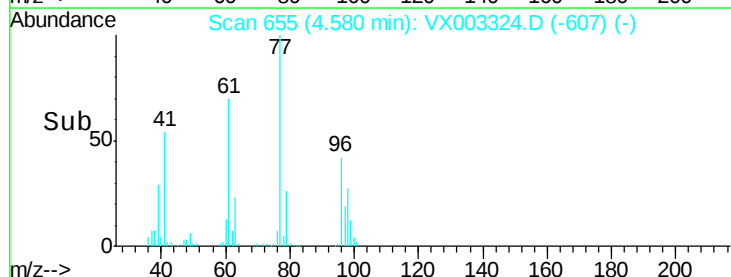
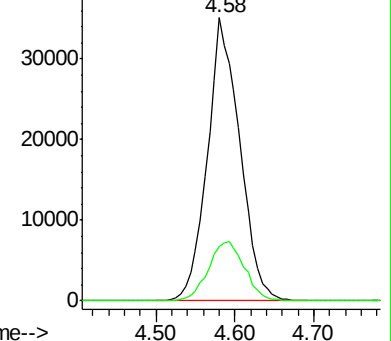
77 100

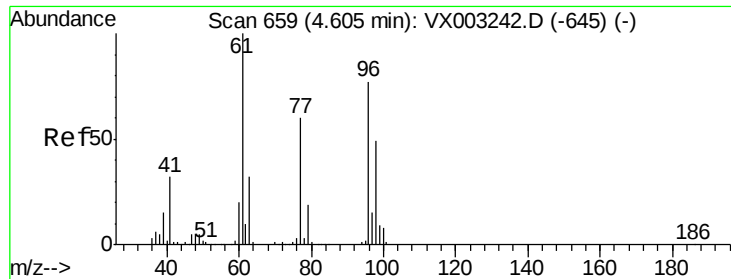
97 23.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

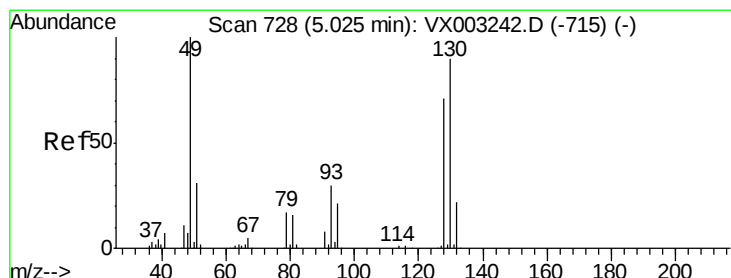
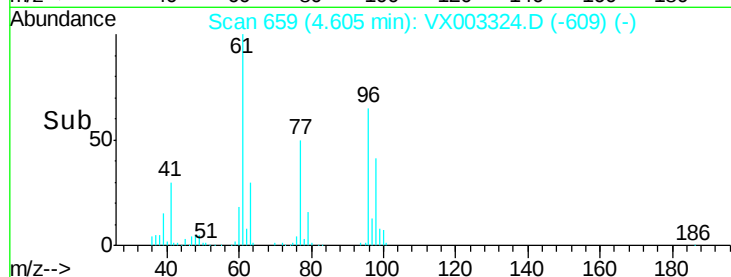
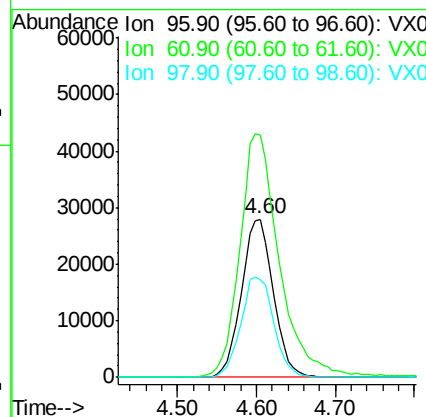
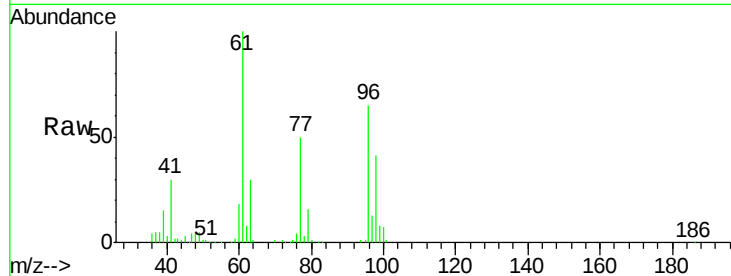
cis-1,2-Dichloroethene
 Concen: 22.984 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	191.4	0.0	330.2
98	65.4	0.0	130.2

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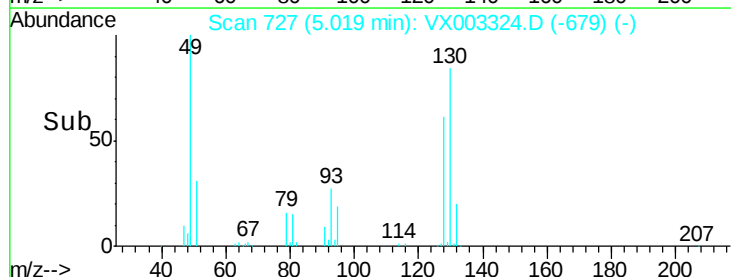
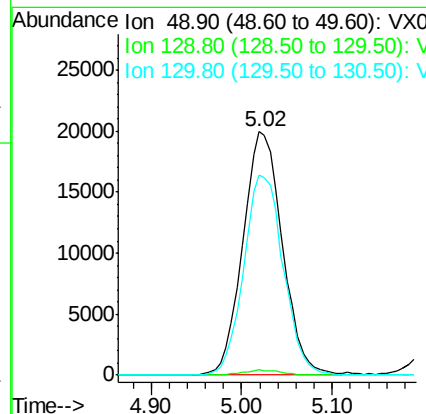
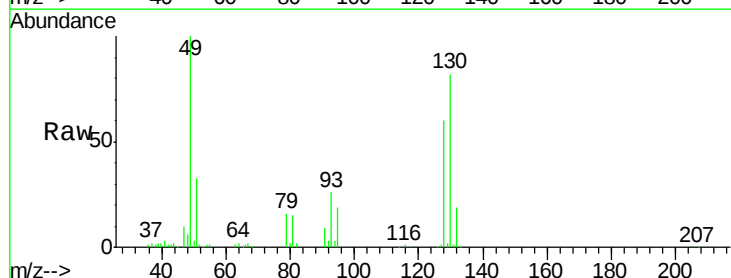
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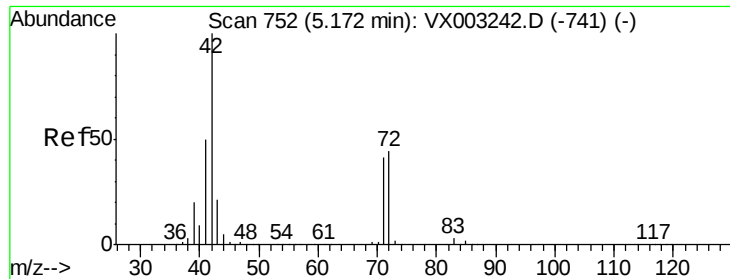


#28

Bromochloromethane
 Concen: 23.286 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	82.4	61.2	91.8





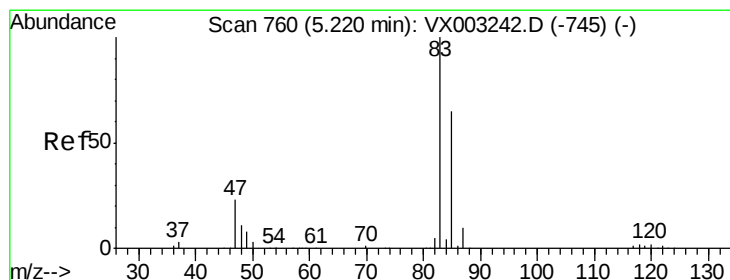
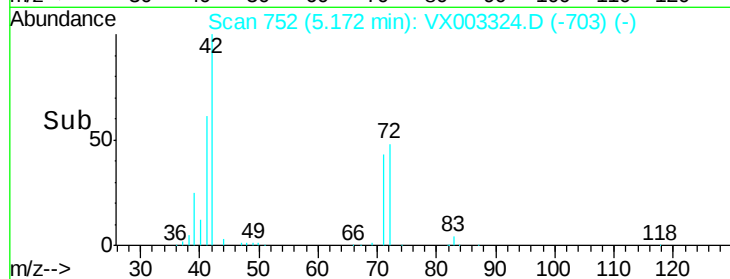
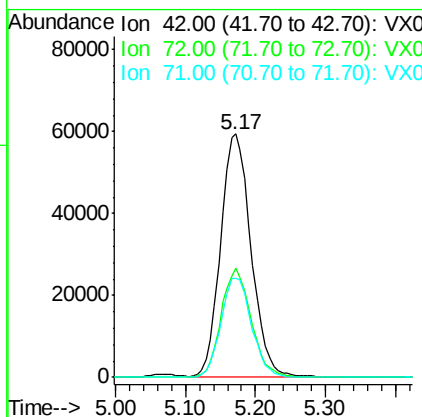
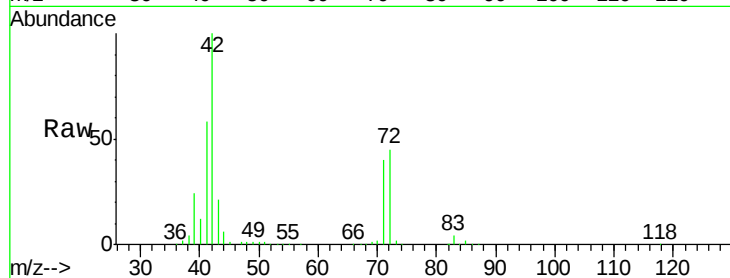
#29
Tetrahydrofuran
Concen: 119.908 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	32.0	48.0
71	41.2	30.1	45.1

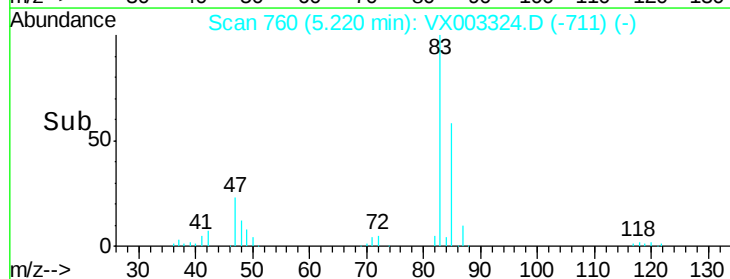
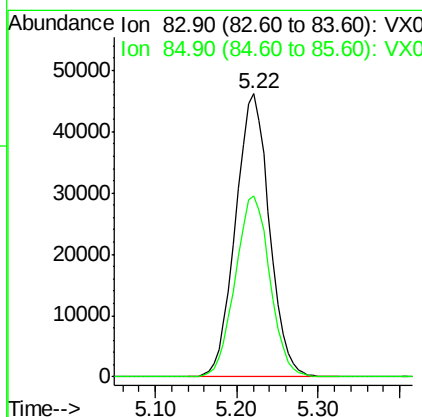
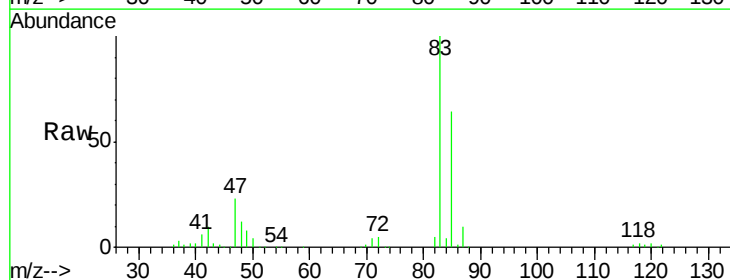
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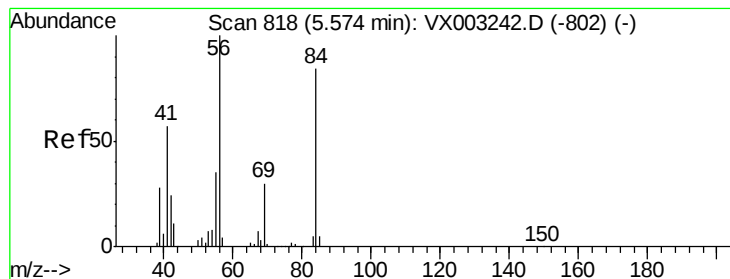
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#30
Chloroform
Concen: 23.596 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.4	75.6





#31

Cyclohexane

Concen: 23.707 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

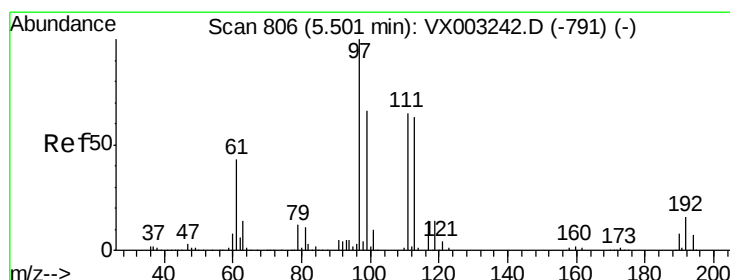
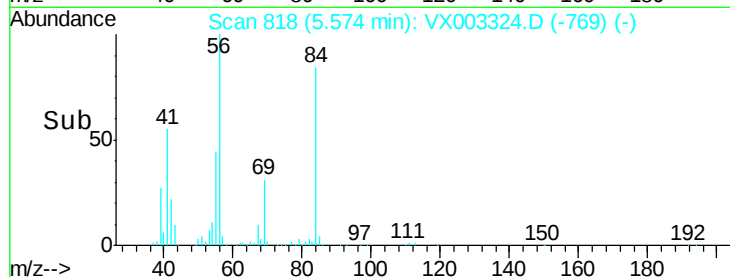
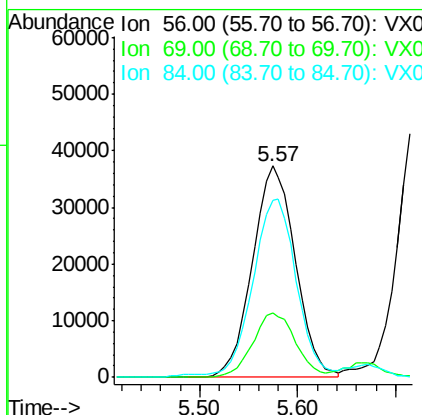
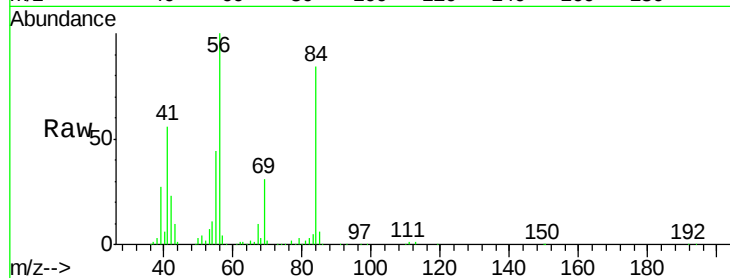
ClientSampleId :

VX0711WBSD01

Tot Ion:	56	Resp:	113760
Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	82.8	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 22.105 ug/l

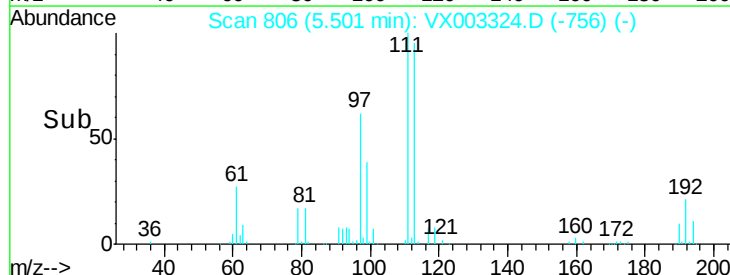
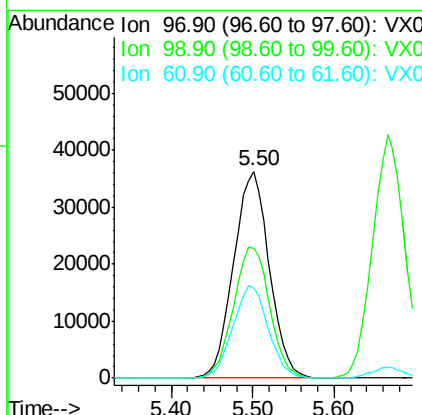
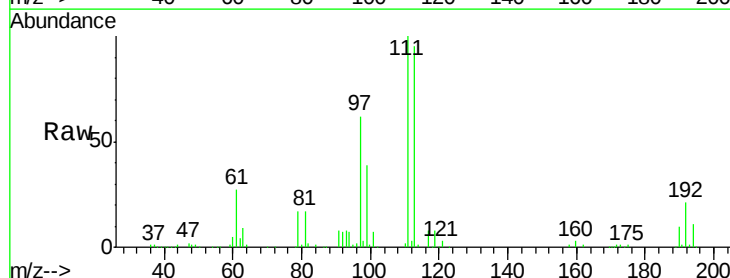
RT: 5.50 min Scan# 806

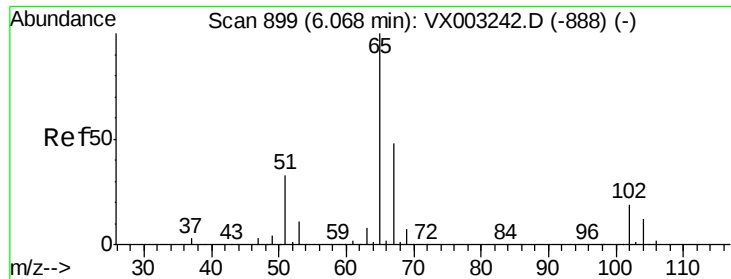
Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion:	97	Resp:	109924
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.7	36.4	54.6





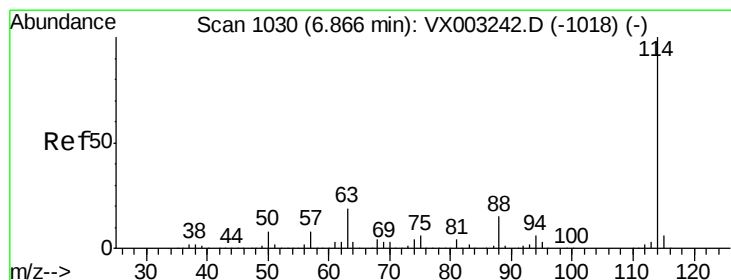
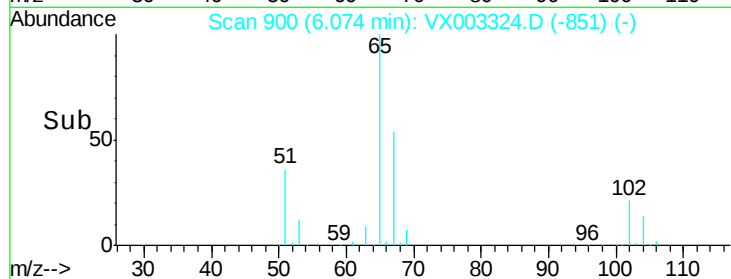
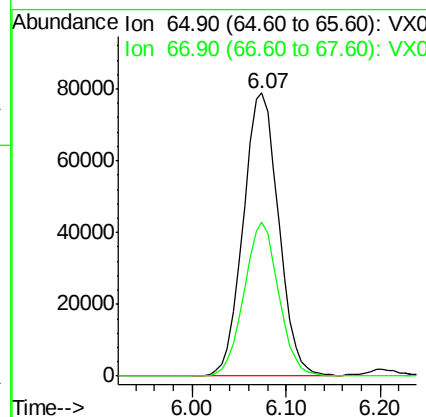
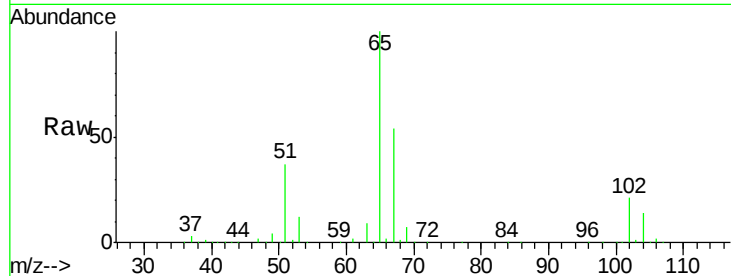
#33
 1,2-Dichloroethane-d4
 Concen: 56.403 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206382		
67	53.1	0.0	102.6	

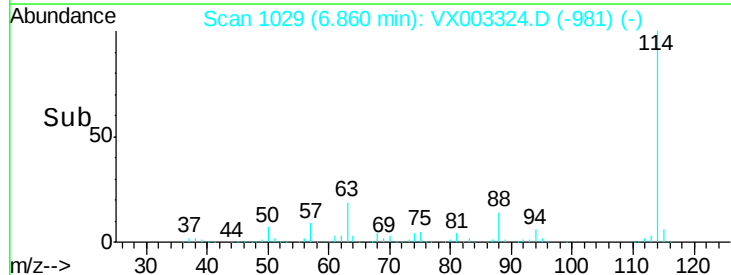
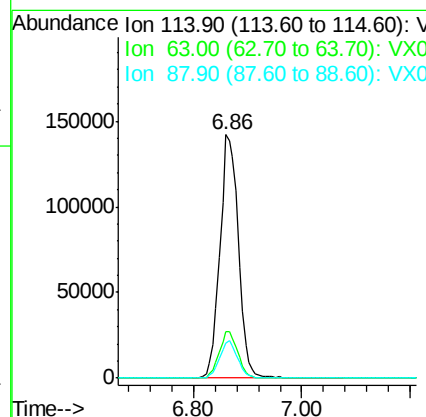
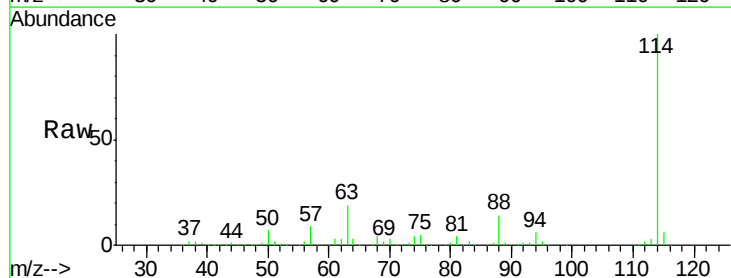
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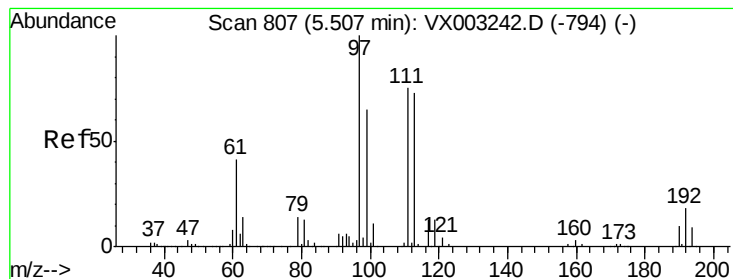
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	335615		
63	19.0	0.0	41.4	
88	14.3	0.0	30.0	





#35

Dibromofluoromethane

Concen: 47.261 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

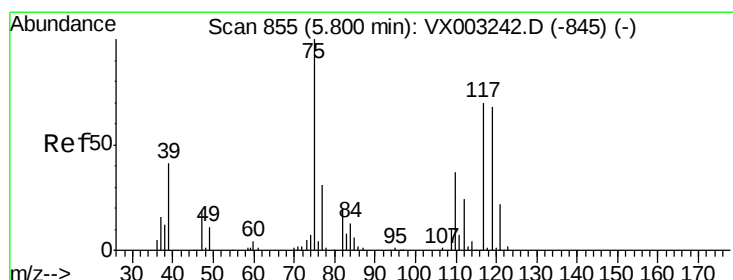
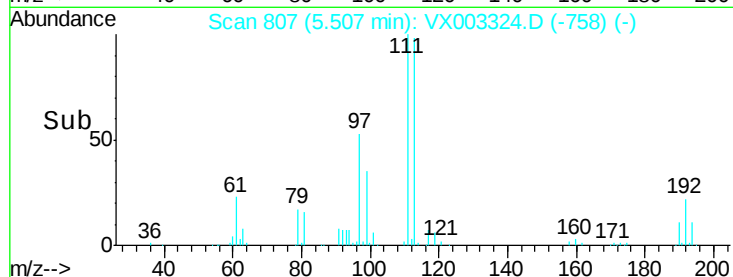
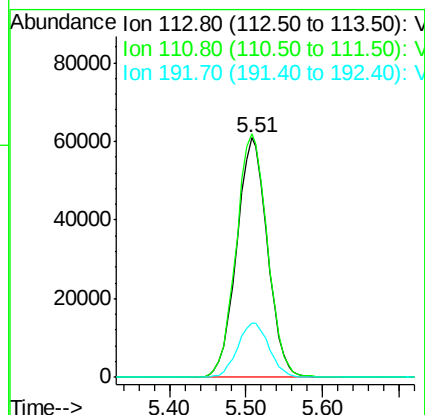
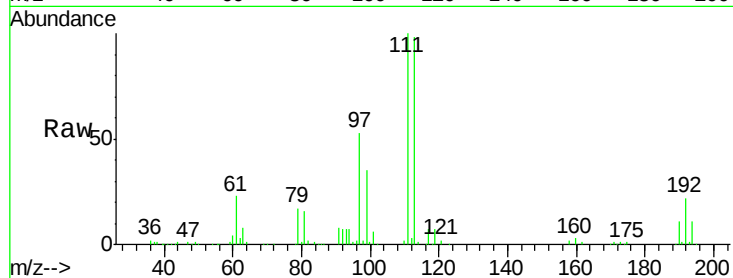
ClientSampleId :

VX0711WBSD01

Tot Ion:	113	Resp:	170407
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.0
192	23.0	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 20.802 ug/l

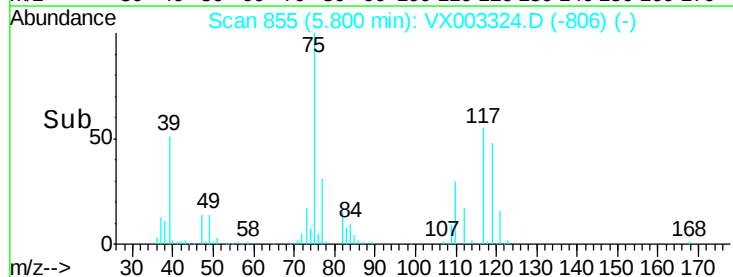
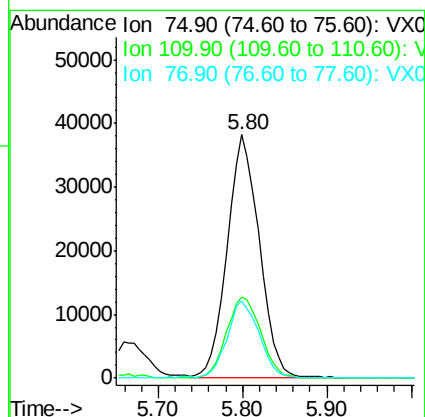
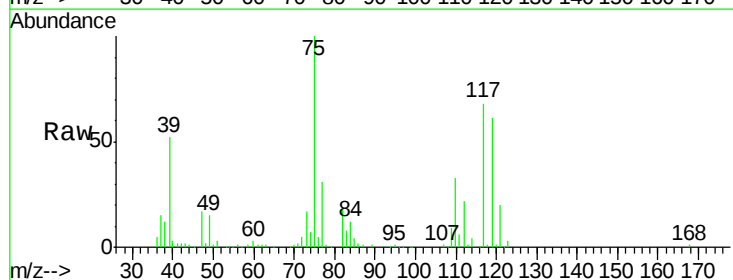
RT: 5.80 min Scan# 855

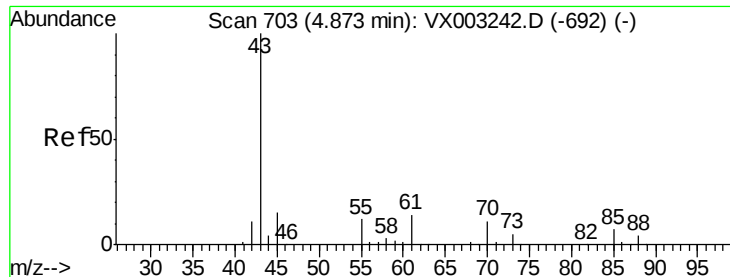
Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion:	75	Resp:	98830
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.1	54.4
77	32.3	24.3	36.5





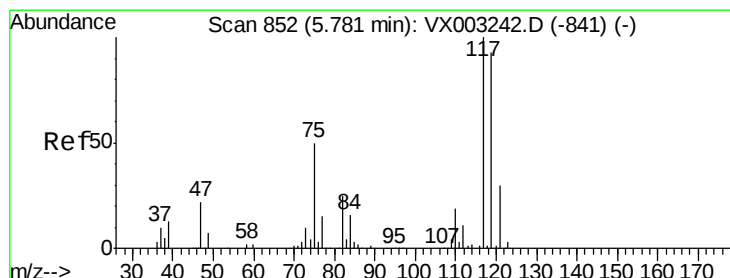
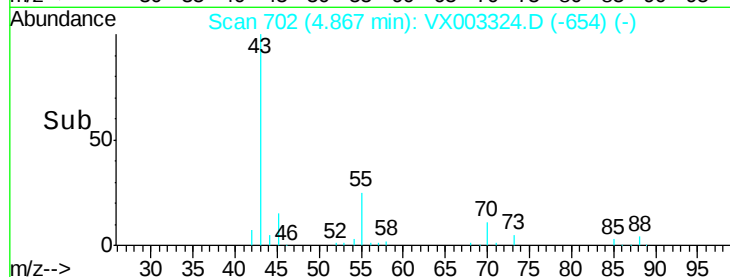
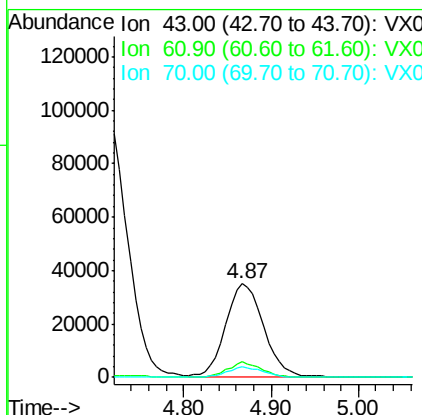
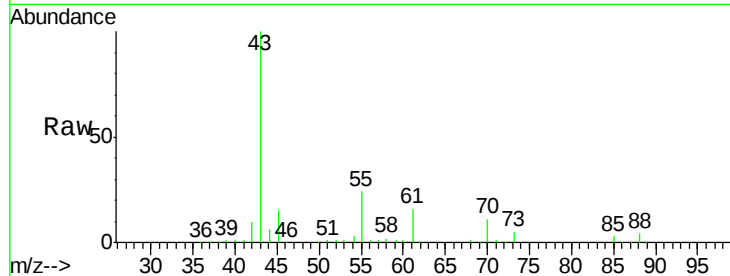
#37
Ethyl Acetate
Concen: 20.159 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.4	15.6
70	10.6	7.6	11.4

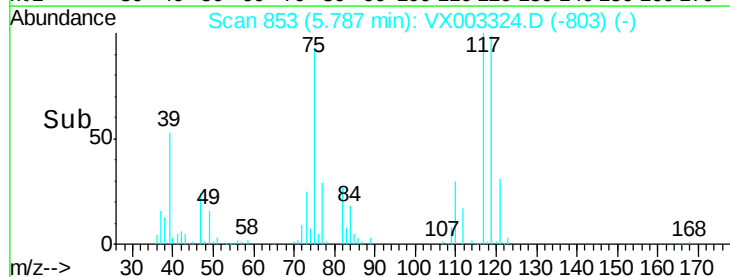
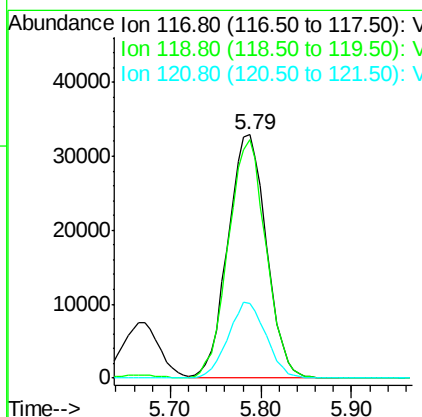
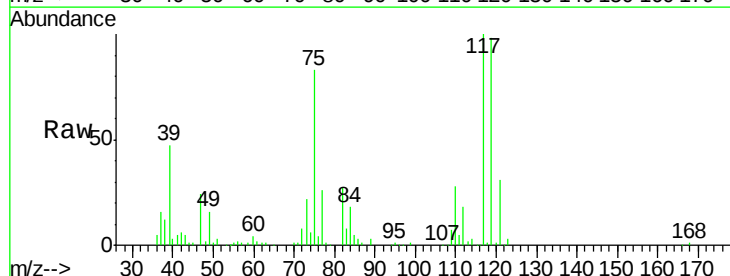
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#38
Carbon Tetrachloride
Concen: 18.664 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.4	116.0
121	30.7	24.4	36.6





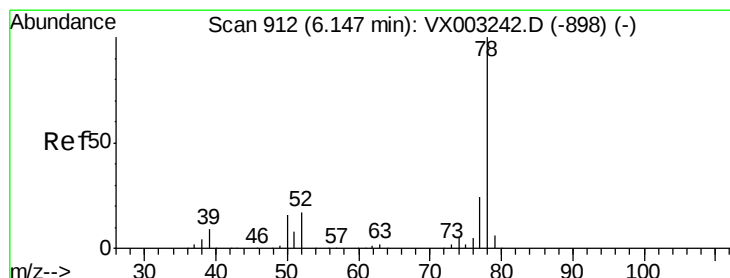
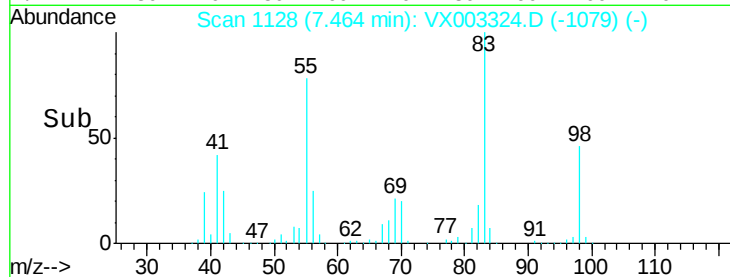
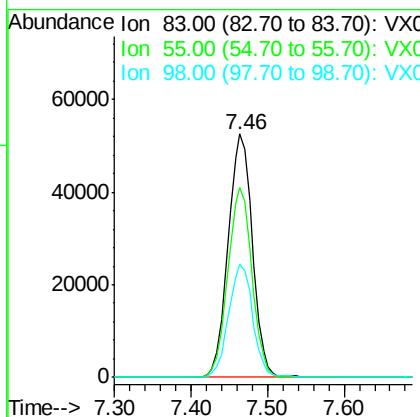
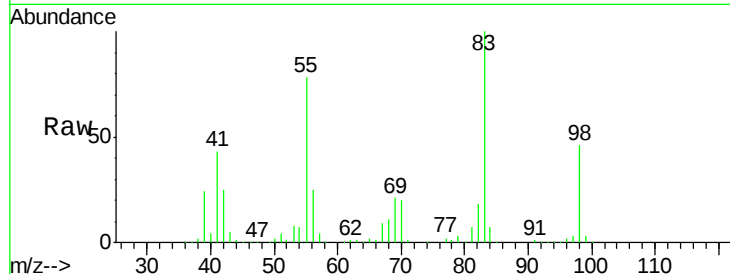
#39
Methvlcvclohexane
Concen: 20.557 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.9	65.4	98.0	
98	46.4	37.4	56.0	

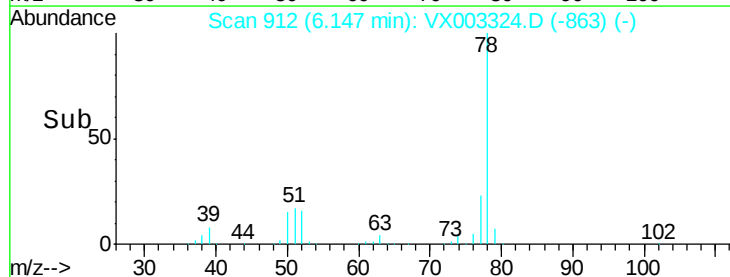
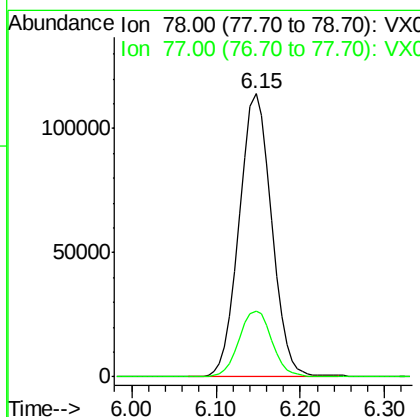
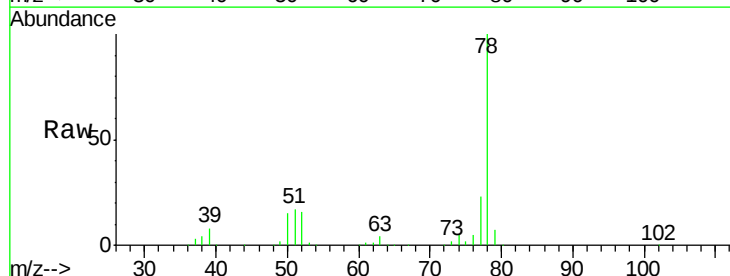
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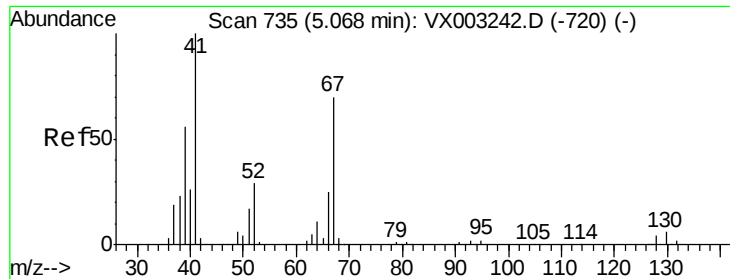
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#40
Benzene
Concen: 21.154 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	19.1	28.7	





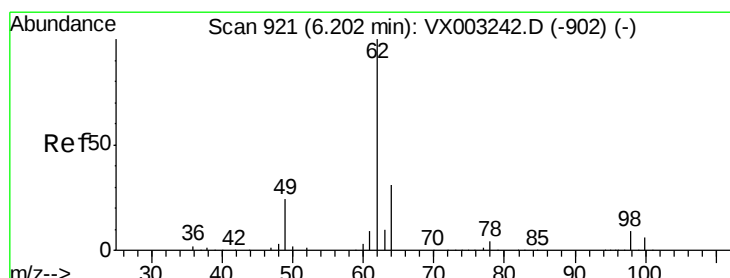
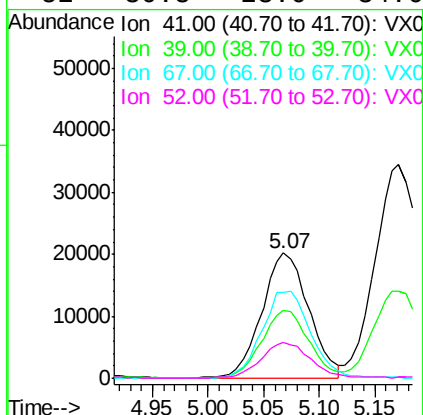
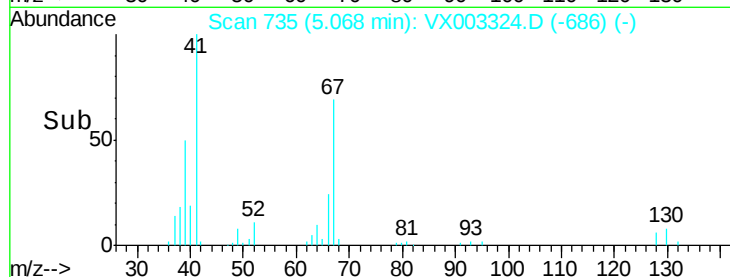
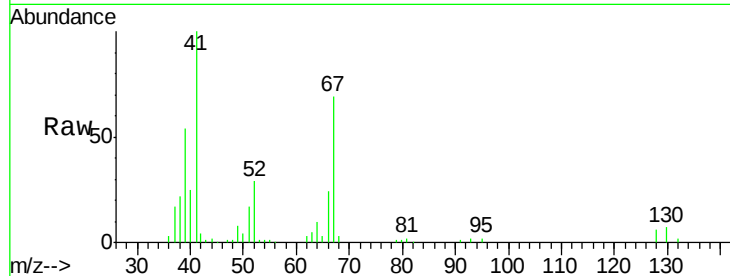
#41
Methacrylonitrile
Concen: 20.661 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.6	45.8	68.6
67	73.0	51.3	76.9
52	30.8	23.0	34.6

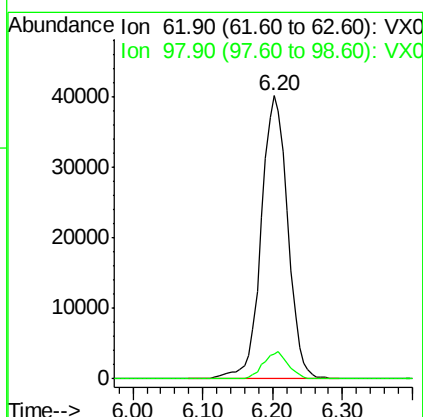
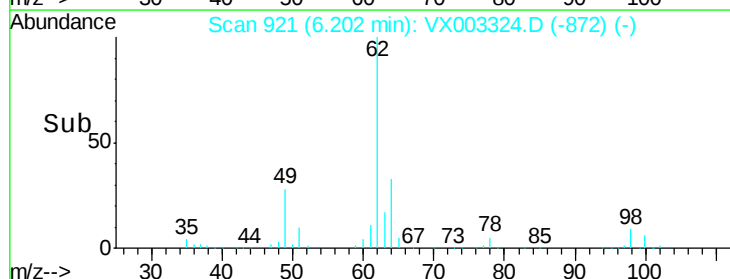
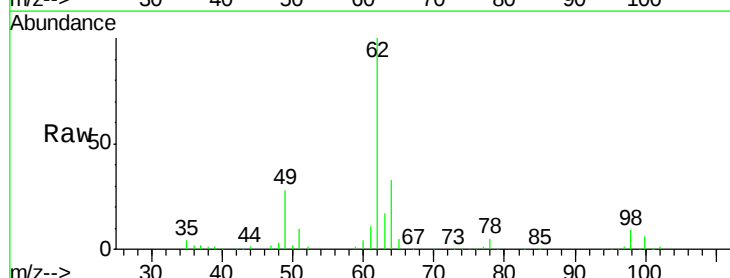
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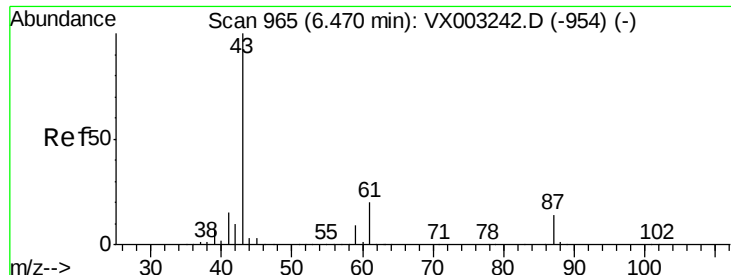
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#42
1,2-Dichloroethane
Concen: 20.160 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

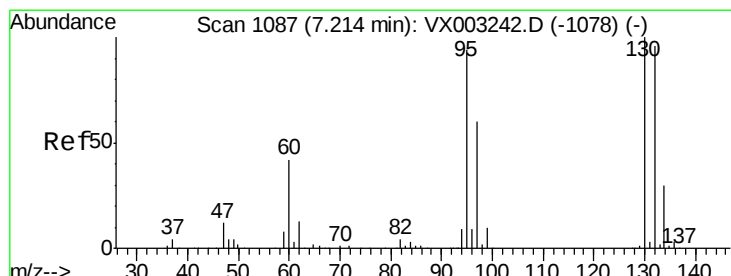
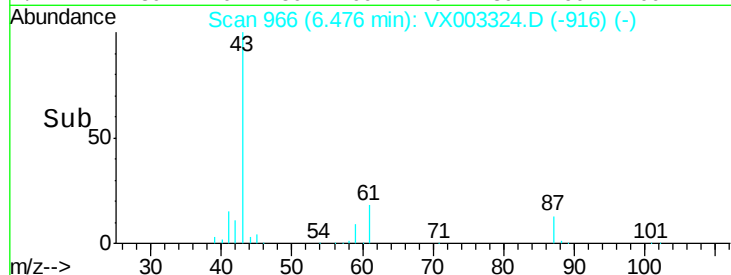
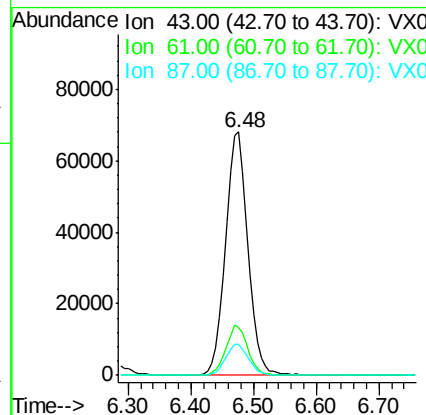
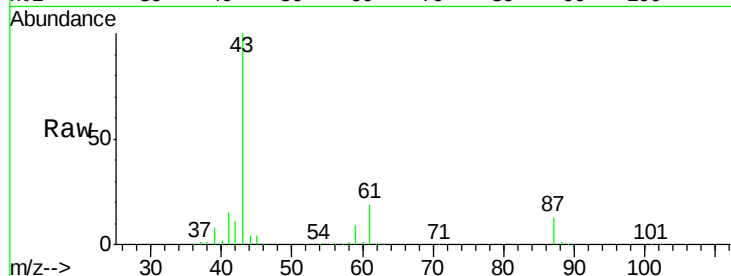
Isopropyl Acetate
 Concen: 20.454 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.4	21.6
87	13.1	9.5	14.3

Manual Integrations
 APPROVED

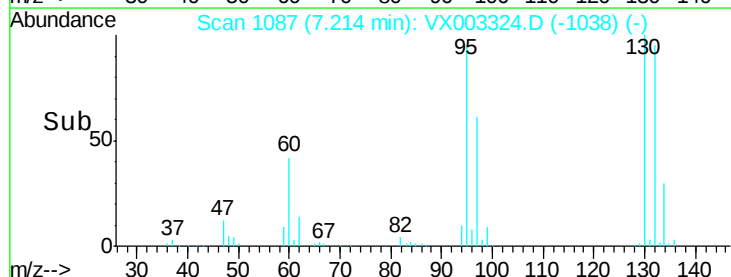
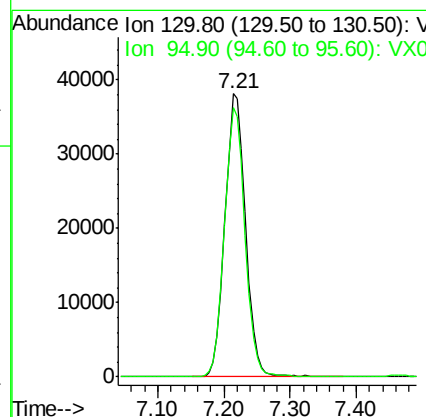
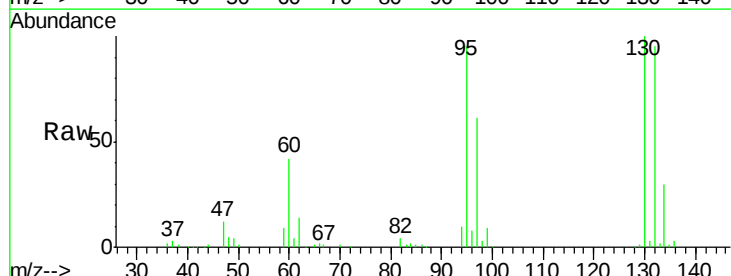
MMDadoda
 7/12/2018 10:59:28 AM

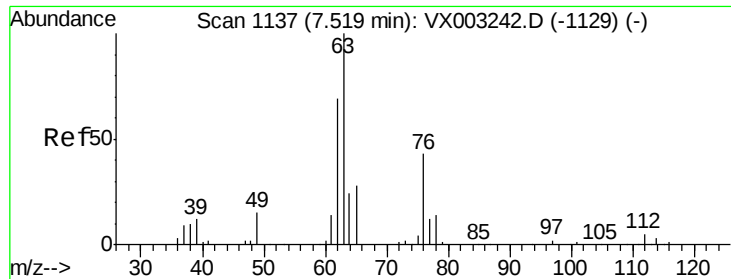


#44

Trichloroethene
 Concen: 19.832 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	185.4





#45

1,2-Dichloropropane

Concen: 21.007 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 63 Resp: 76896

Ion Ratio Lower Upper

63 100

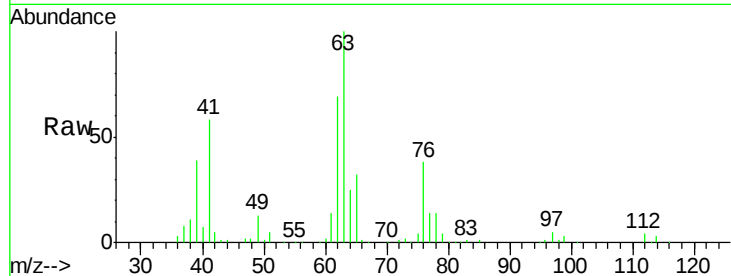
65 31.9 24.7 37.1

Manual Integrations

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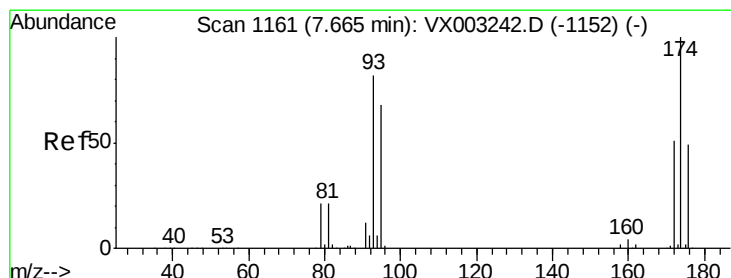
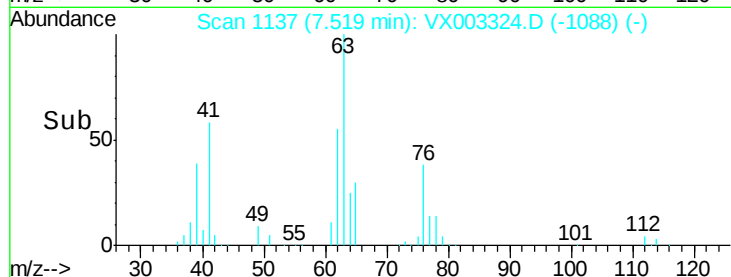
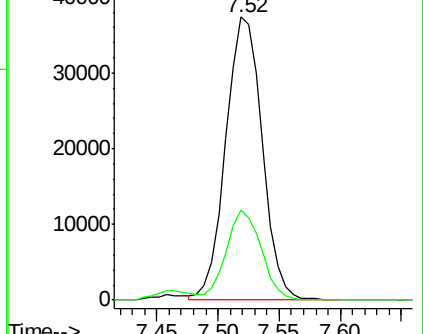
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.517 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

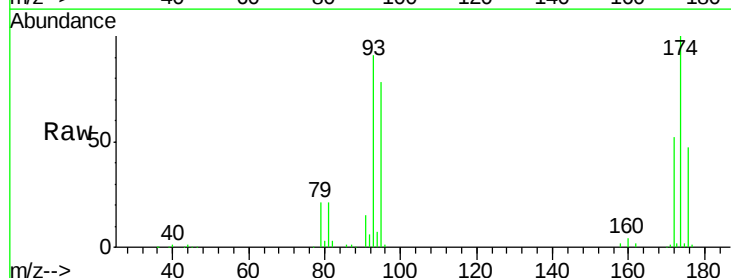
Tgt Ion: 93 Resp: 51191

Ion Ratio Lower Upper

93 100

95 83.7 65.9 98.9

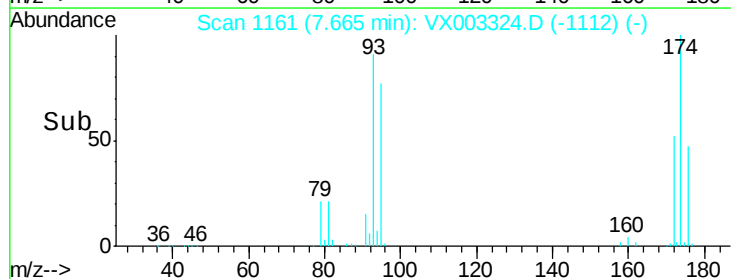
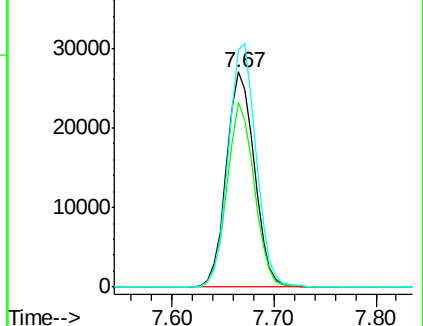
174 112.4 92.4 138.6

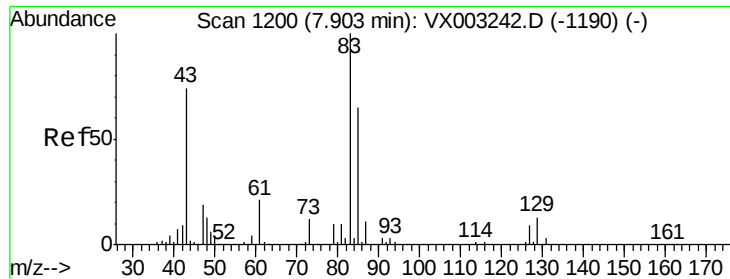


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.279 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

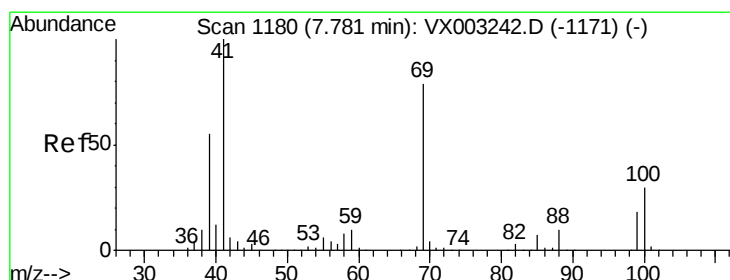
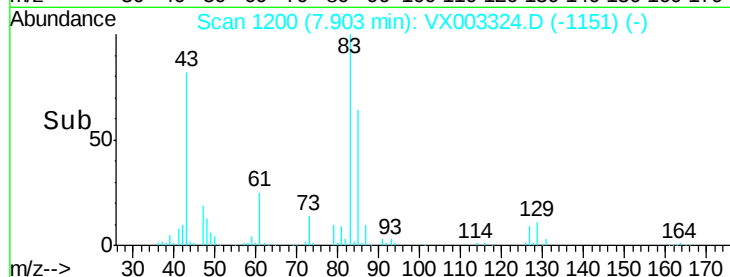
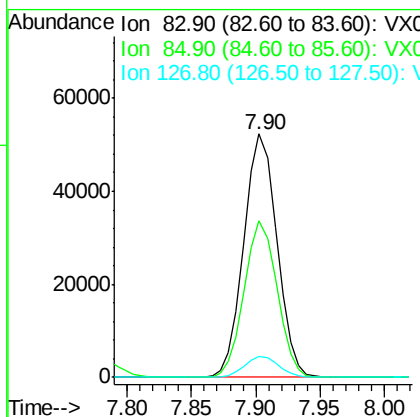
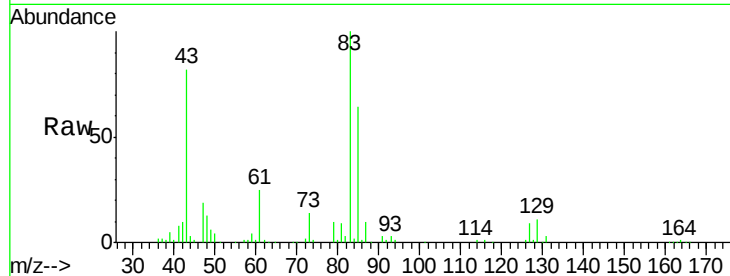
ClientSampled :

VX0711WBSD01

Tot Ion:	83	Resp:	93355
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.3	75.5
127	8.7	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.331 ug/l

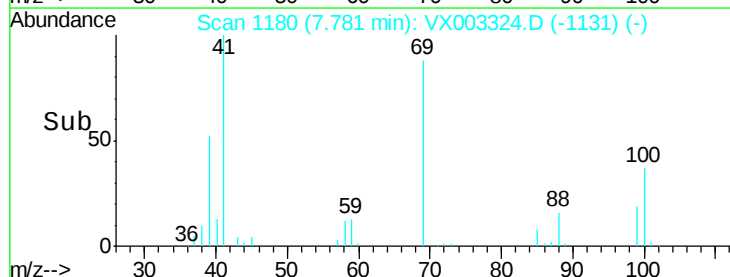
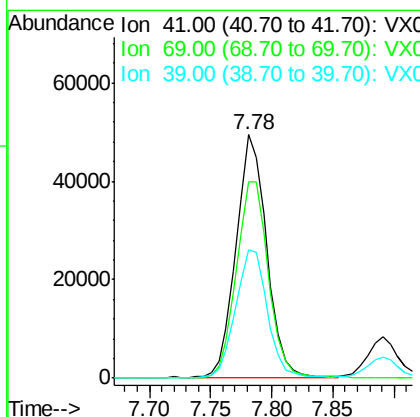
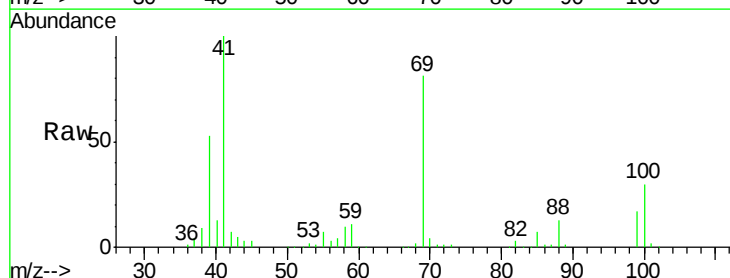
RT: 7.78 min Scan# 1180

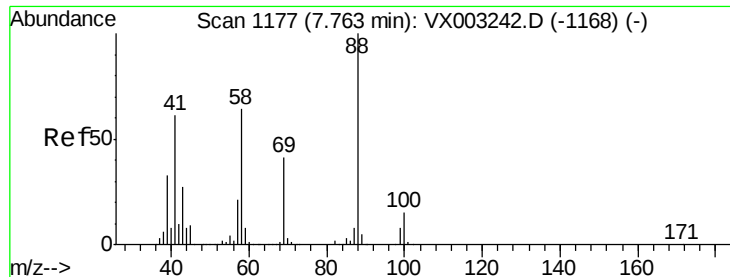
Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion:	41	Resp:	85283
Ion Ratio	Lower	Upper	
41	100		
69	85.5	59.1	88.7
39	54.5	48.9	73.3





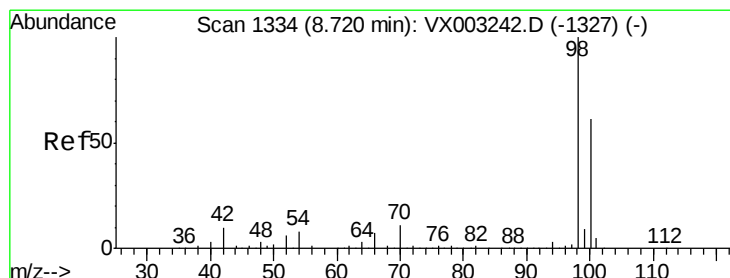
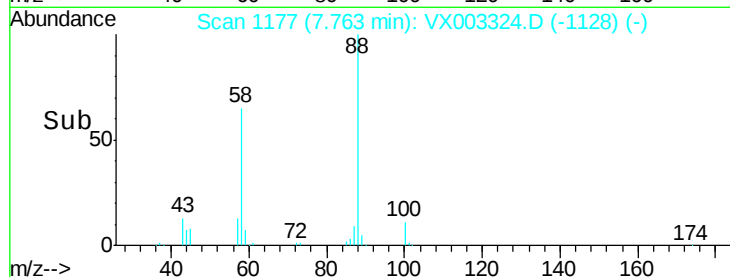
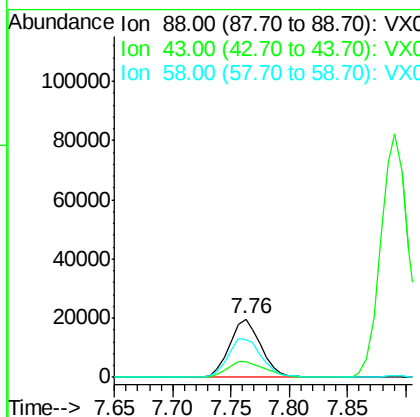
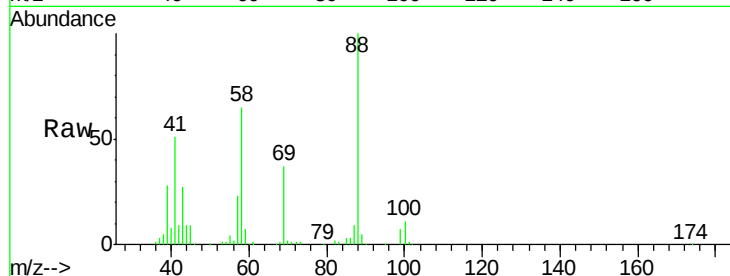
#49
1,4-Dioxane
Concen: 421.160 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	29.8	44.6
58	73.6	57.1	85.7

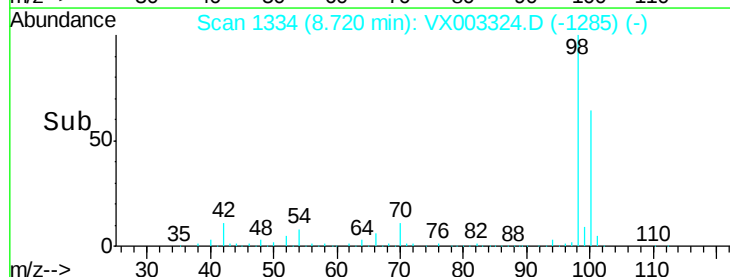
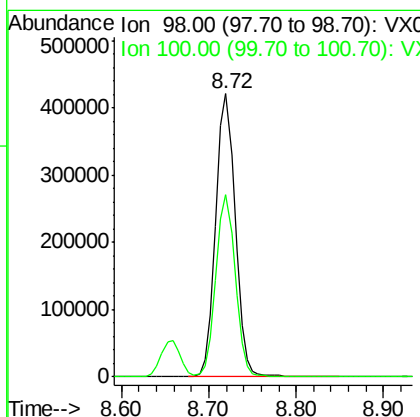
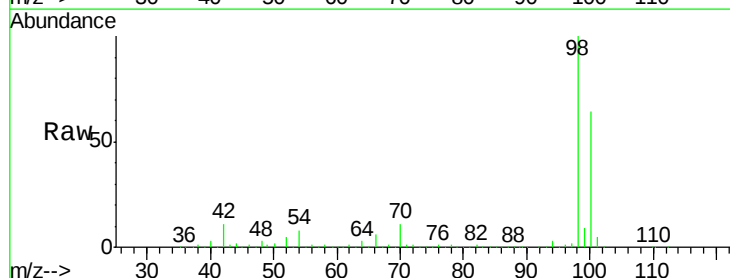
Manual Integrations
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#50
Toluene-d8
Concen: 50.982 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3





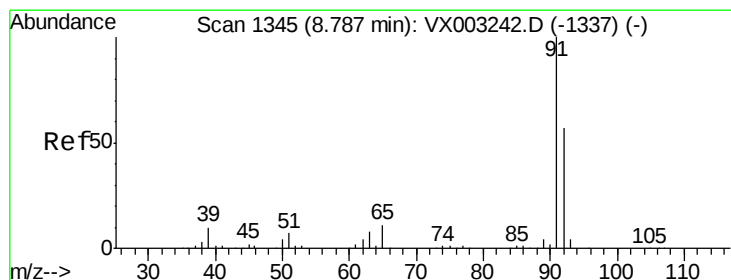
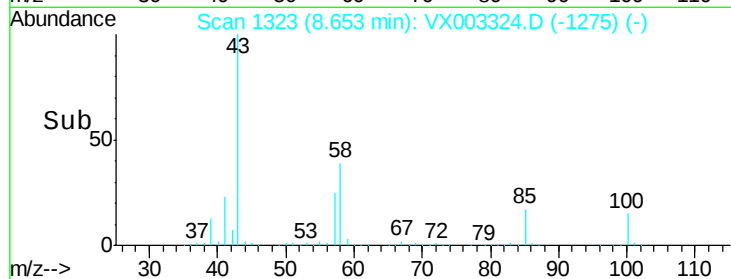
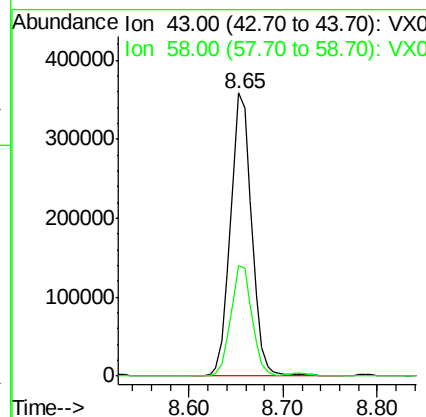
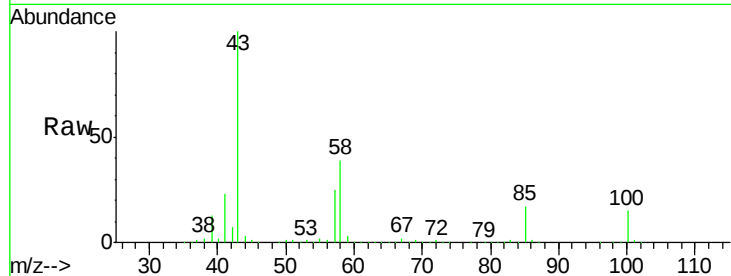
#51
4-Methyl-2-Pentanone
Concen: 110.493 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	38.7		28.6	42.8	

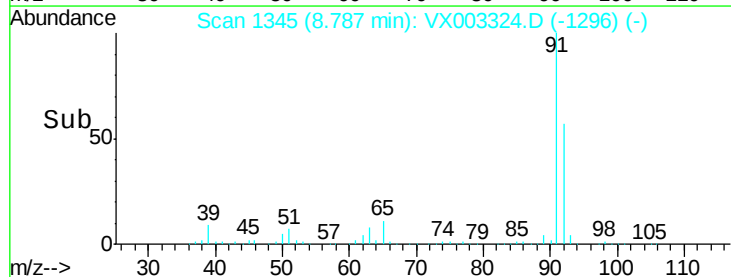
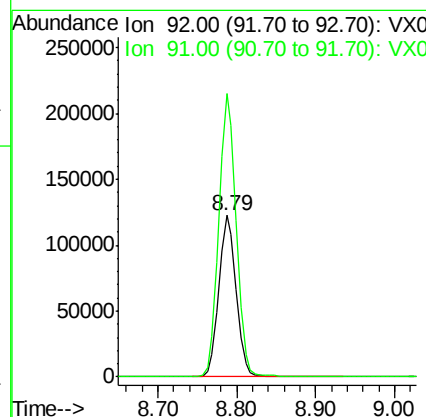
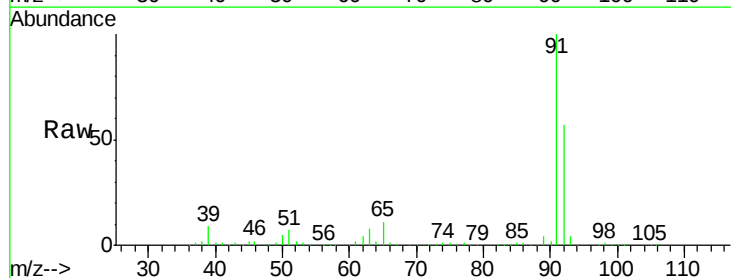
Manual Integrations
APPROVED

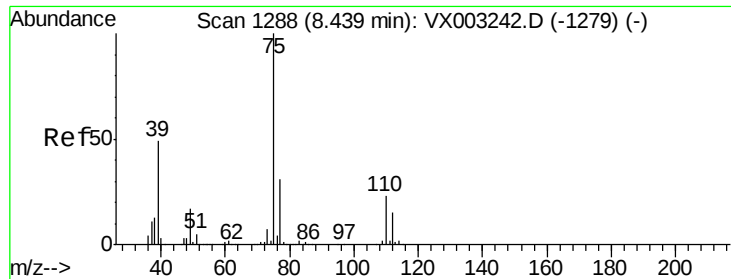
MMDadoda
7/12/2018 10:59:28 AM



#52
Toluene
Concen: 21.106 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	176.4		140.4	210.6	





#53

t-1,3-Dichloropropene

Concen: 20.353 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 75 Resp: 110252

Ion Ratio Lower Upper

75 100

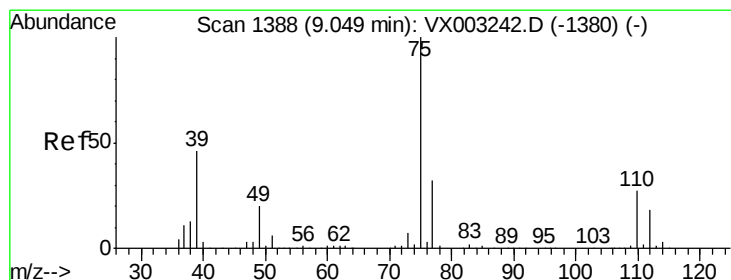
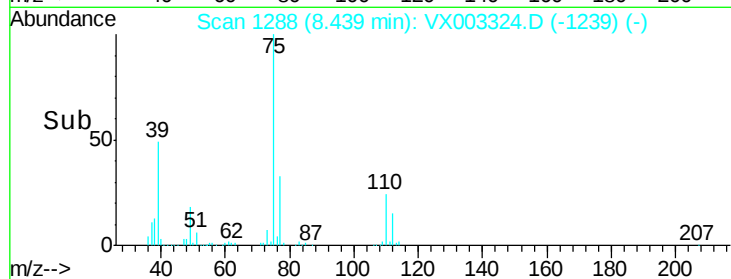
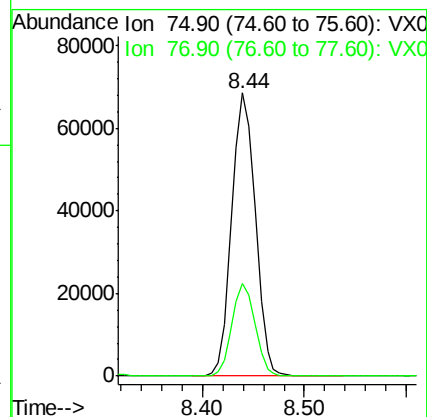
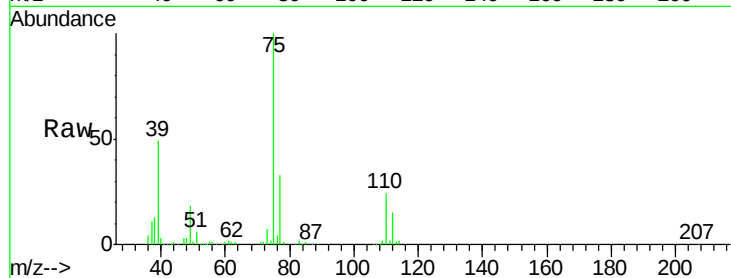
77 32.7 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.212 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

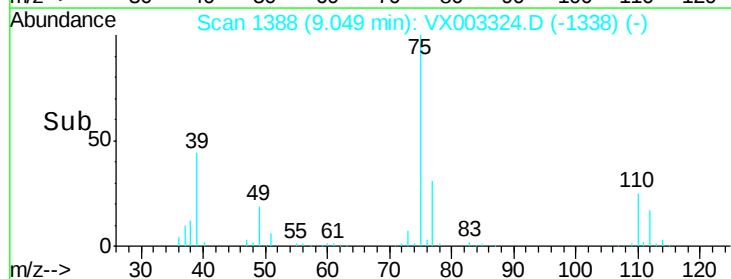
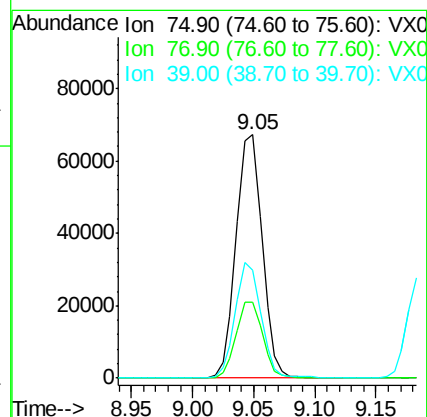
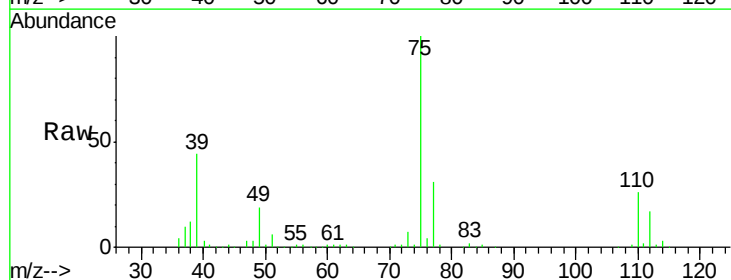
Tgt Ion: 75 Resp: 99647

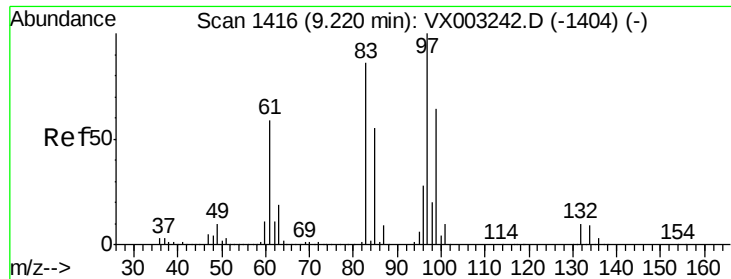
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 44.0 42.4 63.6





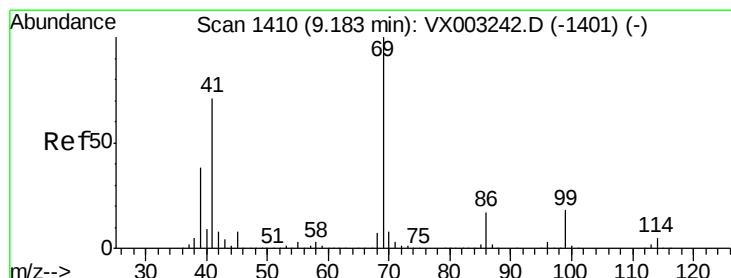
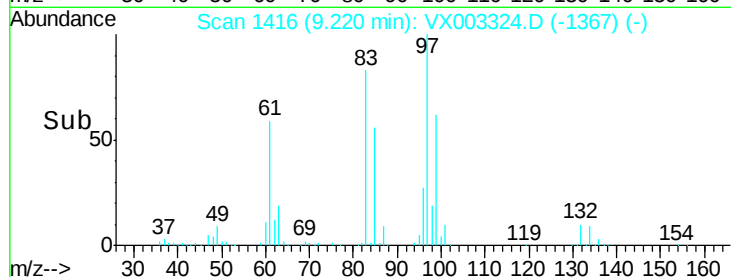
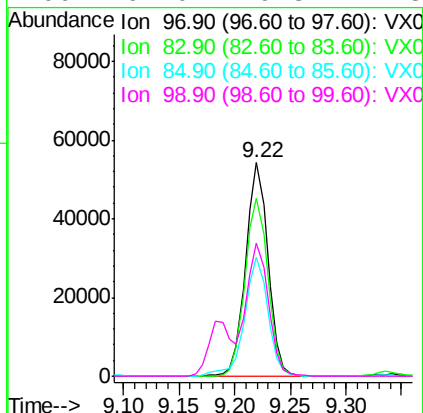
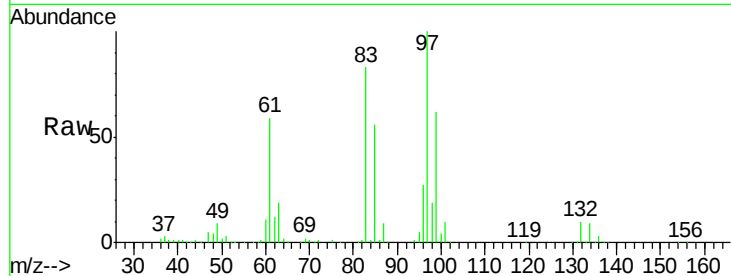
#55
 1,1,2-Trichloroethane
 Concen: 20.616 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion:	97	Resp:	76121
Ion	Ratio	Lower	Upper
97	100		
83	83.3	70.2	105.2
85	55.7	44.9	67.3
99	62.0	49.8	74.8

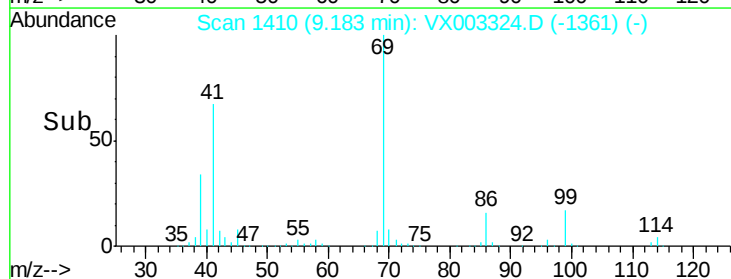
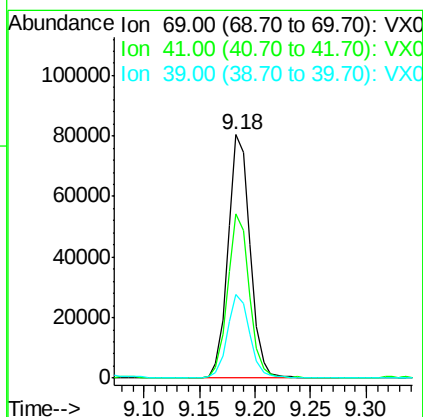
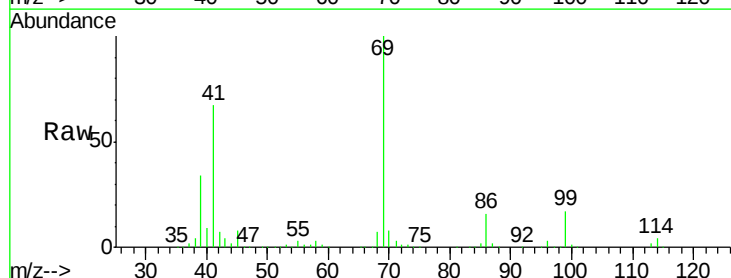
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 21.823 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion:	69	Resp:	110361
Ion	Ratio	Lower	Upper
69	100		
41	66.0	60.3	90.5
39	34.8	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 21.454 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 76 Resp: 127597

Ion Ratio Lower Upper

76 100

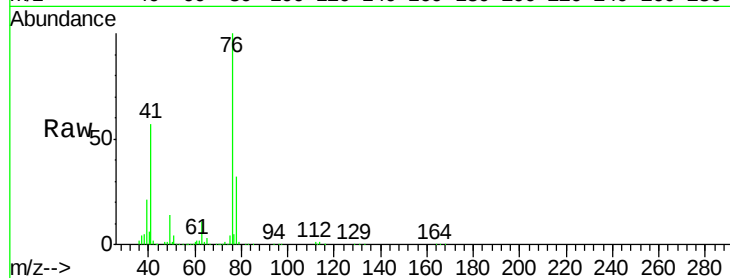
78 32.3 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

80000

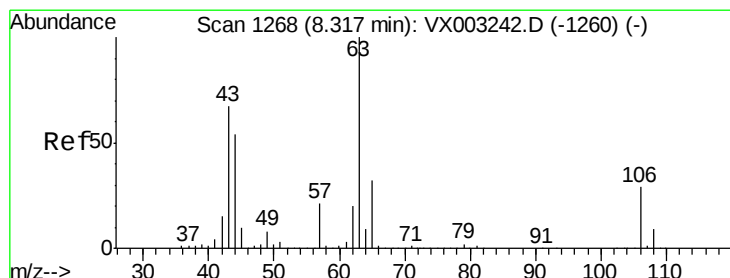
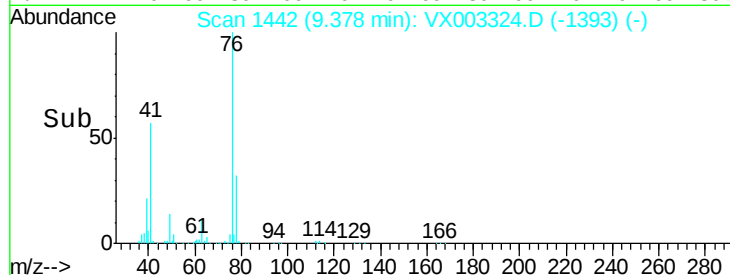
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 114.788 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003324.D

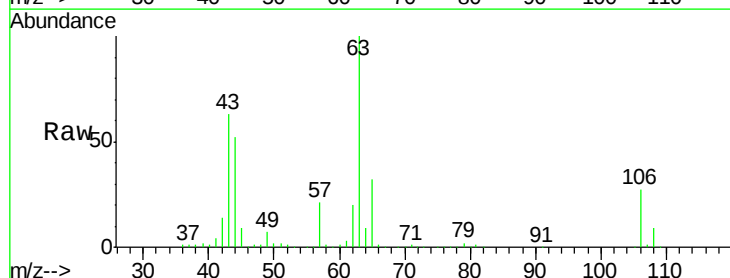
Acq: 11 Jul 2018 17:16

Tgt Ion: 63 Resp: 280025

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

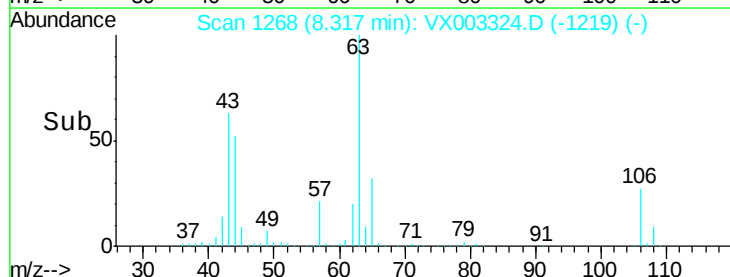
150000

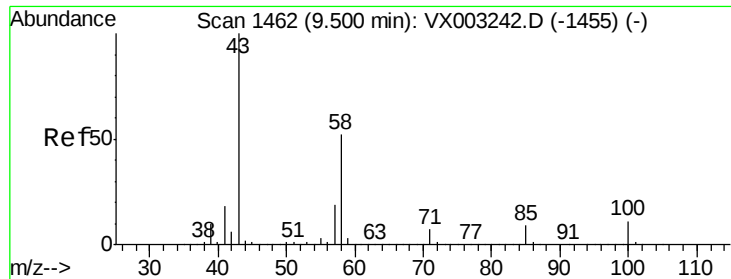
100000

50000

0

Time-->





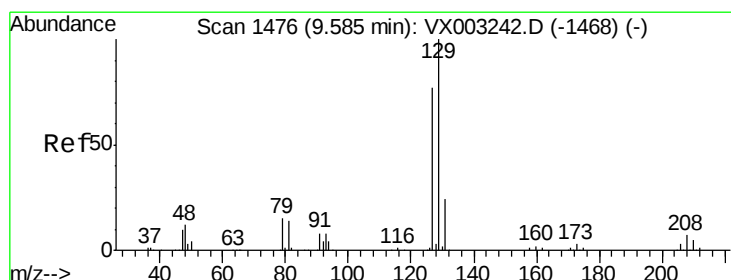
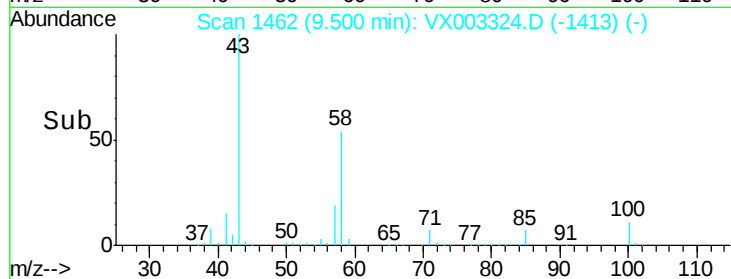
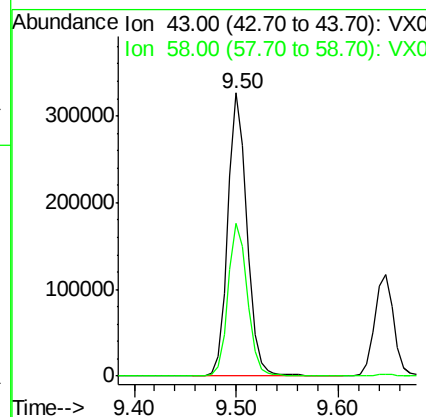
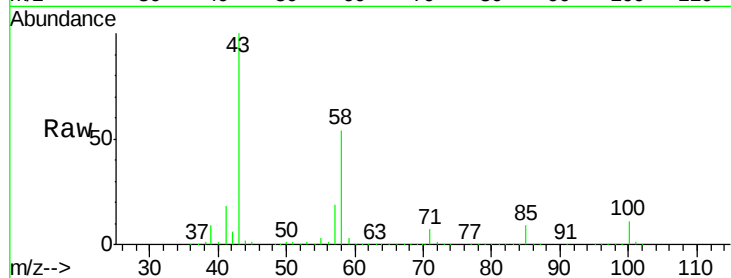
#59
2-Hexanone
Concen: 110.543 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0711WBSD01

Tot Ion: 43 Resp: 427524
Ion Ratio Lower Upper
43 100
58 54.4 24.6 73.6

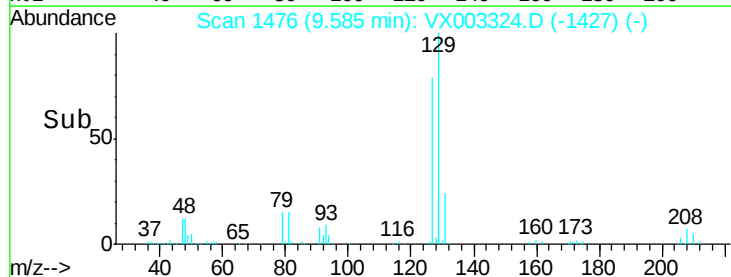
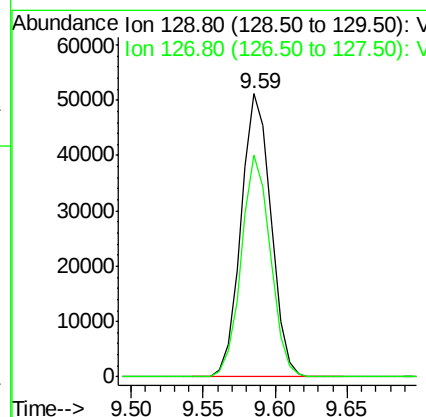
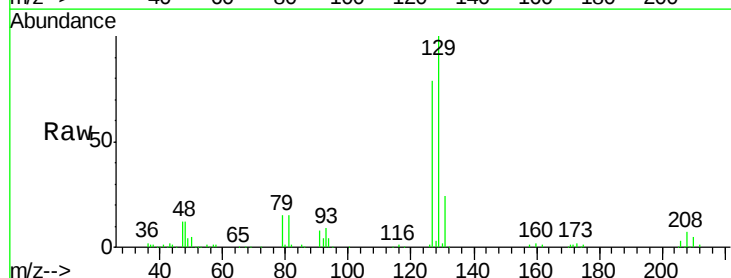
Manual Integrations
APPROVED

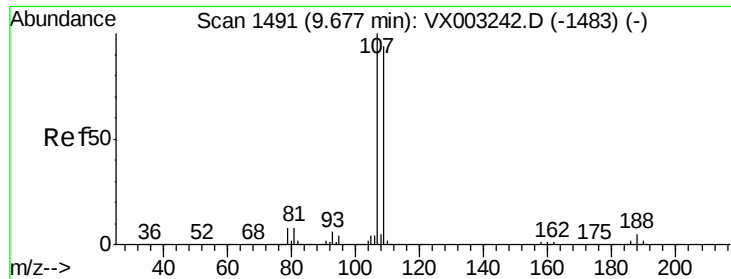
MMDadoda
7/12/2018 10:59:28 AM



#60
Dibromochloromethane
Concen: 19.174 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion: 129 Resp: 73920
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.308 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion:107 Resp: 78583

Ion Ratio Lower Upper

107 100

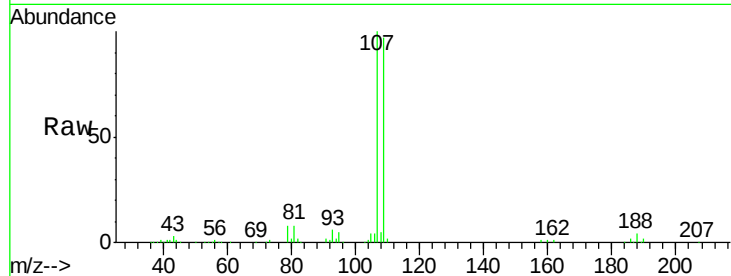
109 94.7 75.3 112.9

Manual Integrations

APPROVED

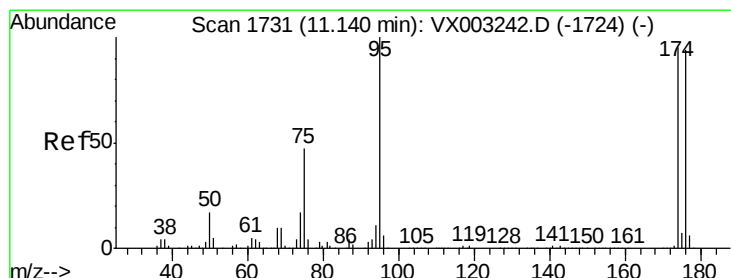
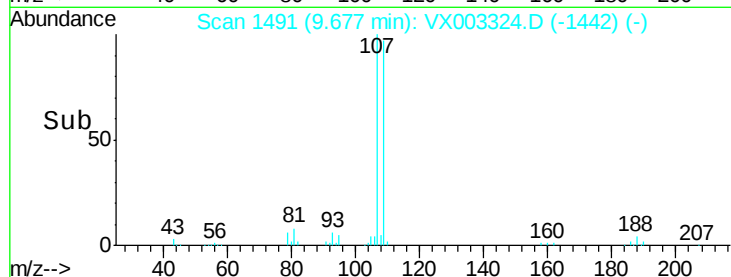
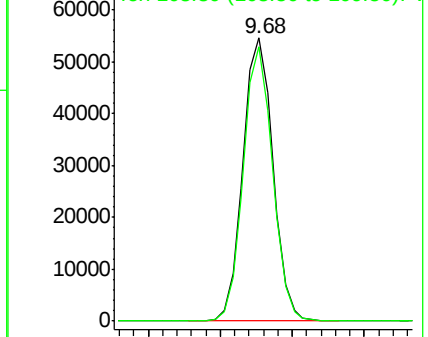
MMDadoda

7/12/2018 10:59:28 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.918 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

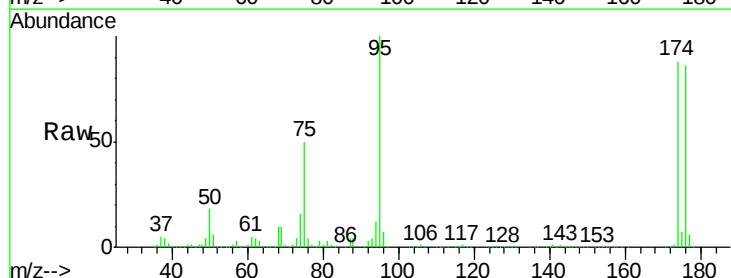
Tgt Ion: 95 Resp: 236229

Ion Ratio Lower Upper

95 100

174 90.9 0.0 187.4

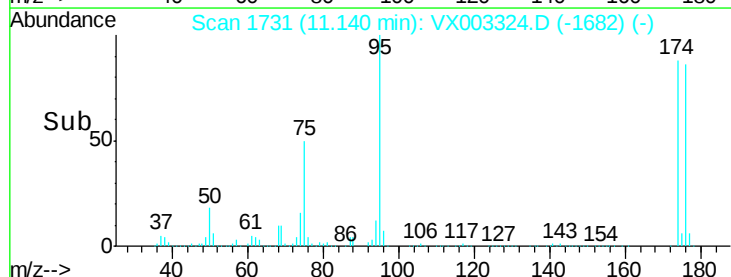
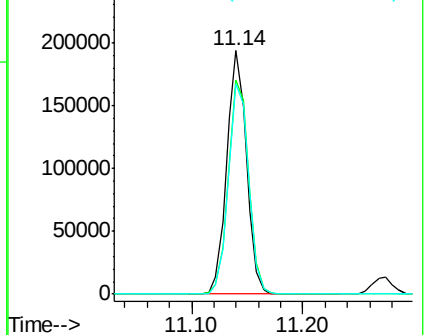
176 89.1 0.0 181.0

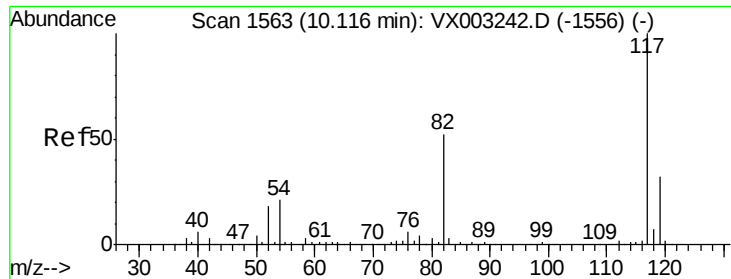


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





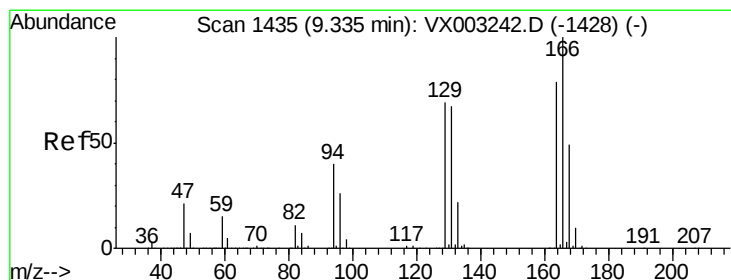
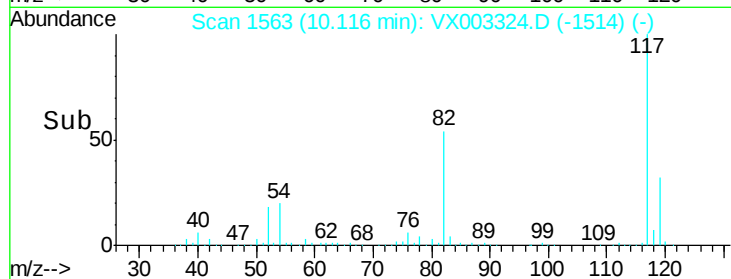
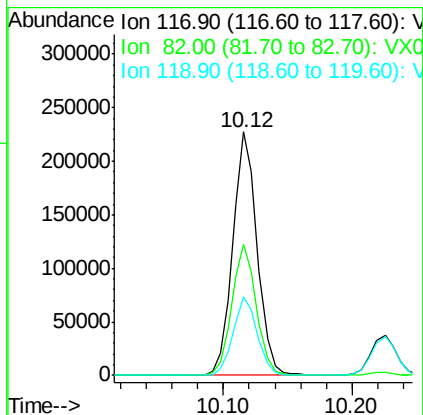
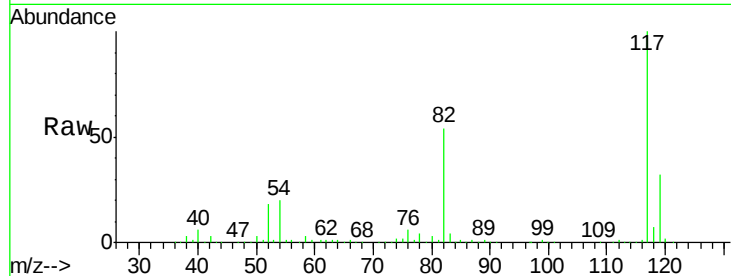
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	32.5	25.8	38.6

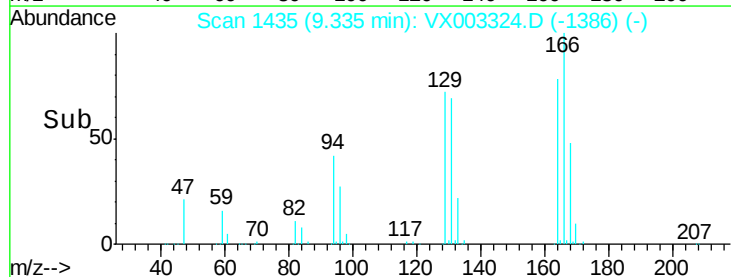
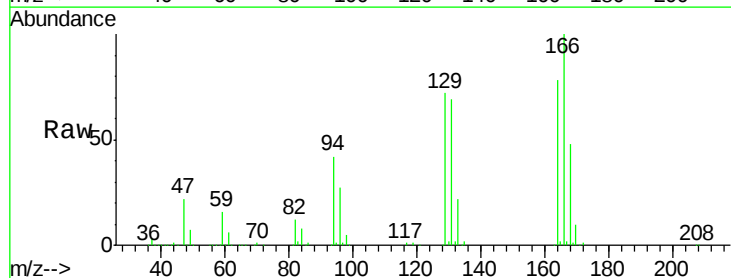
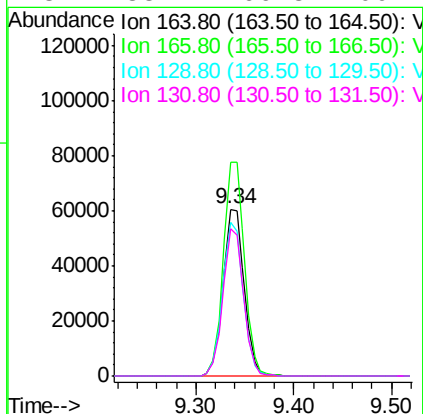
Manual Integrations
APPROVED

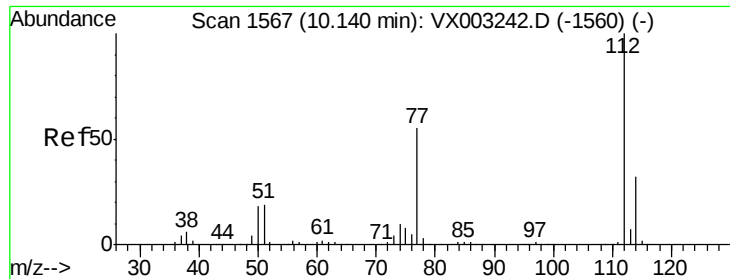
MMDadoda
7/12/2018 10:59:28 AM



#64
Tetrachloroethene
Concen: 20.009 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.9	154.3
129	92.3	68.6	102.8
131	88.7	66.8	100.2





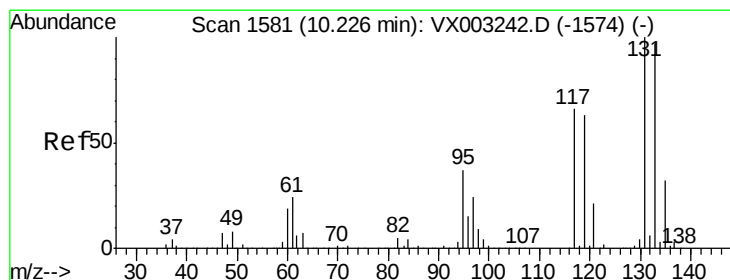
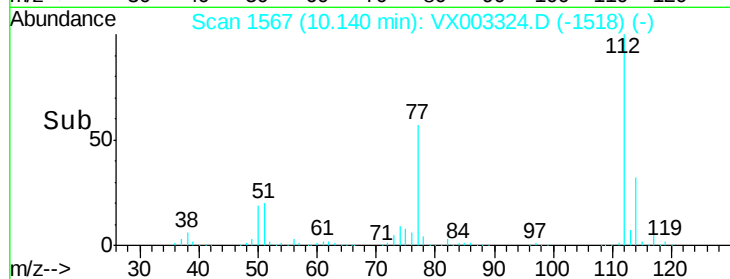
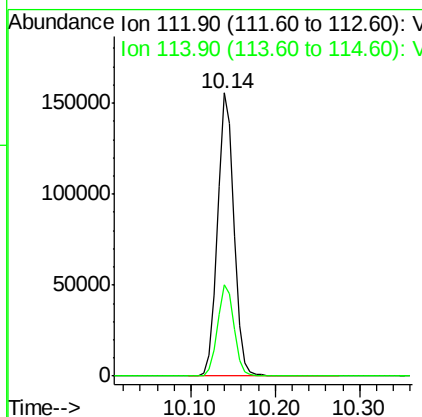
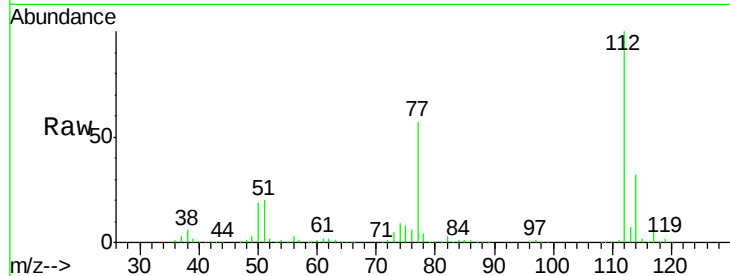
#65
Chlorobenzene
Concen: 20.665 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampled :
VX0711WBSD01

Tot Ion:112 Resp: 210274
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

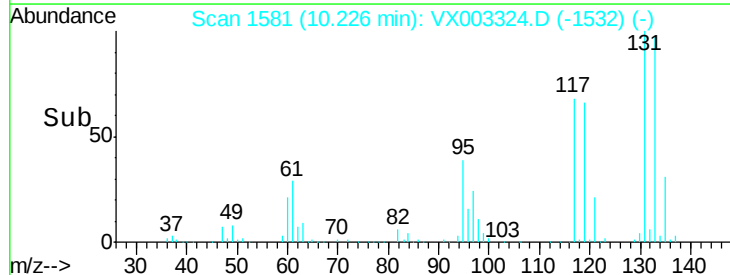
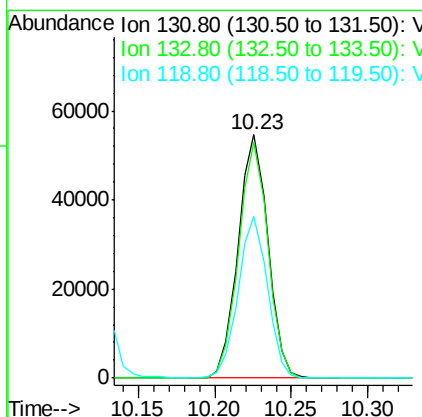
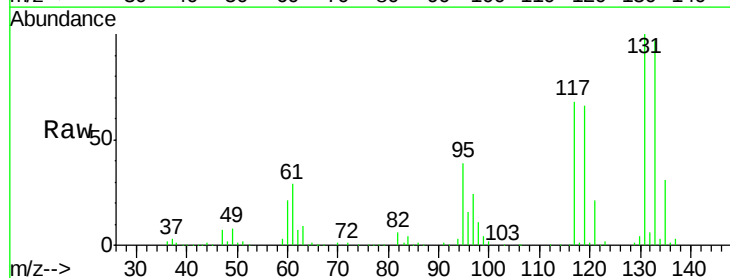
Manual Integrations
APPROVED

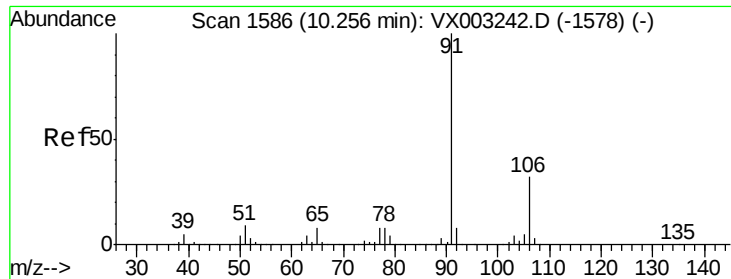
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.078 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion:131 Resp: 73710
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.6
119 65.9 31.8 95.3





#67

Ethyl Benzene

Concen: 21.454 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 91 Resp: 353030

Ion Ratio Lower Upper

91 100

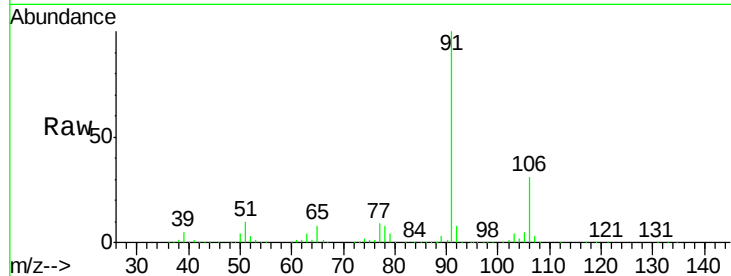
106 31.5 25.5 38.3

Manual Integrations

APPROVED

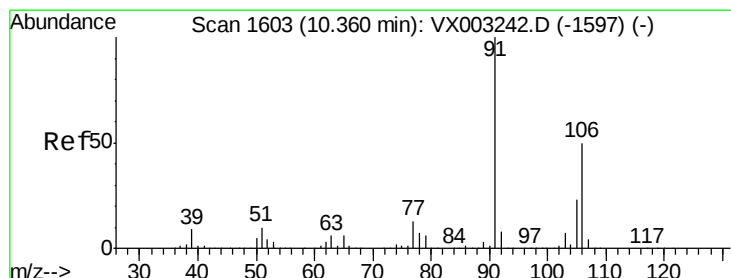
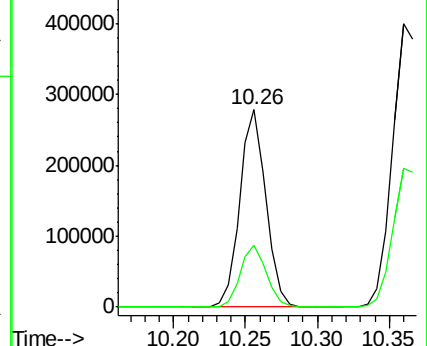
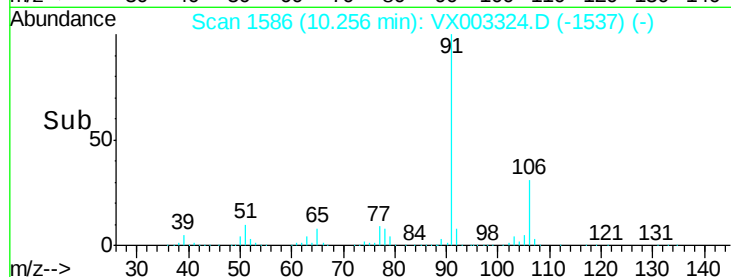
MMDadoda

7/12/2018 10:59:28 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.985 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003324.D

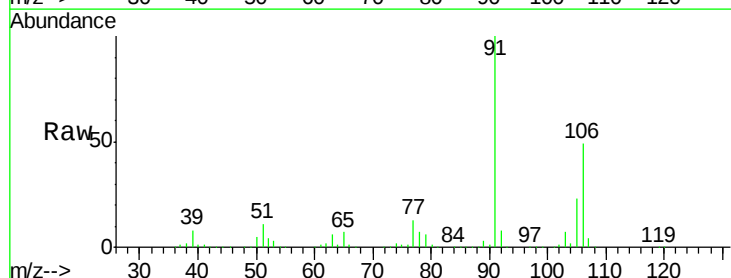
Acq: 11 Jul 2018 17:16

Tgt Ion:106 Resp: 275165

Ion Ratio Lower Upper

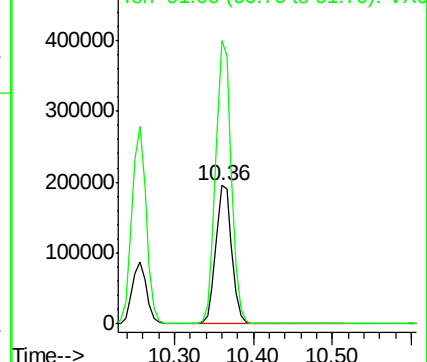
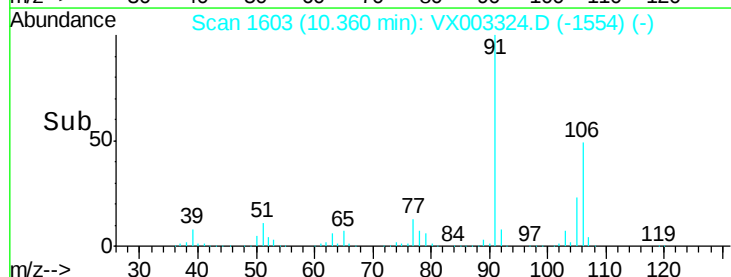
106 100

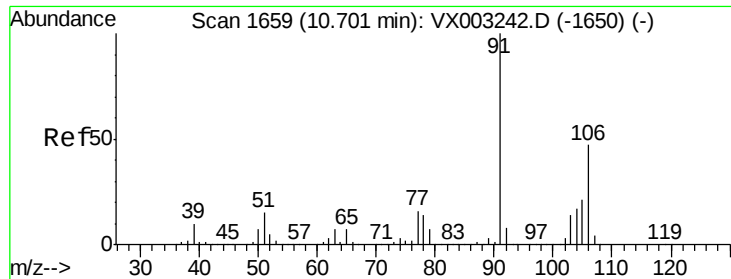
91 200.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





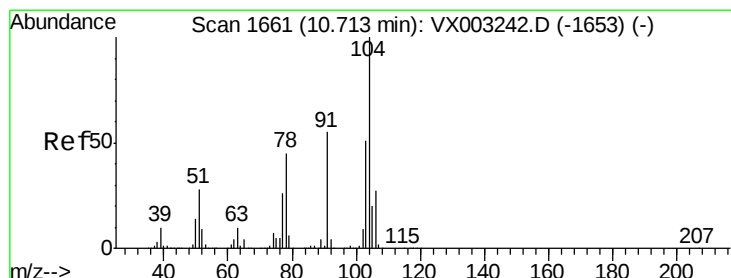
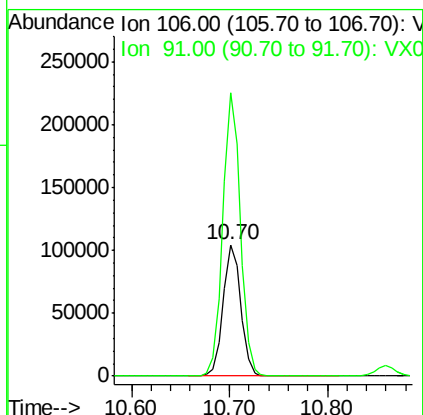
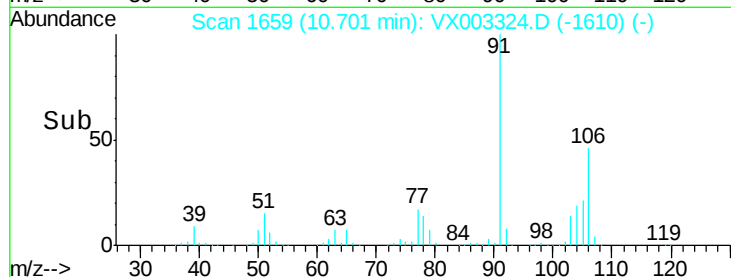
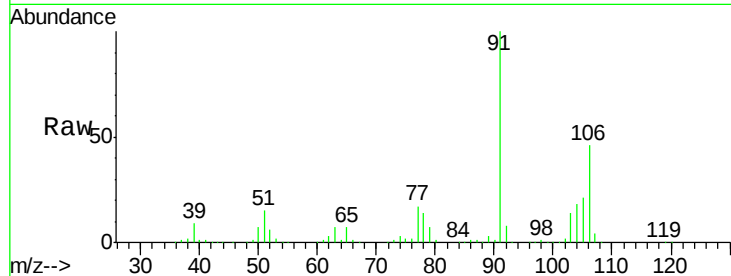
#69
o-Xylene
Concen: 21.104 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleID :
VX0711WBSD01

Tot Ion:106 Resp: 130879
Ion Ratio Lower Upper
106 100
91 215.2 108.2 324.6

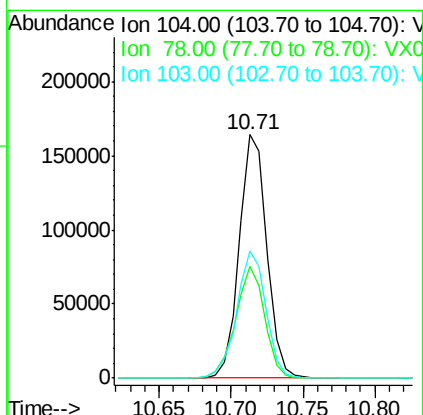
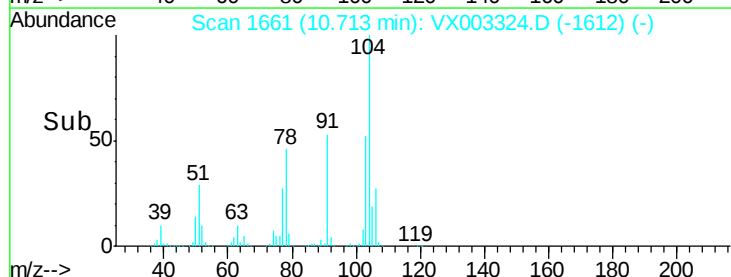
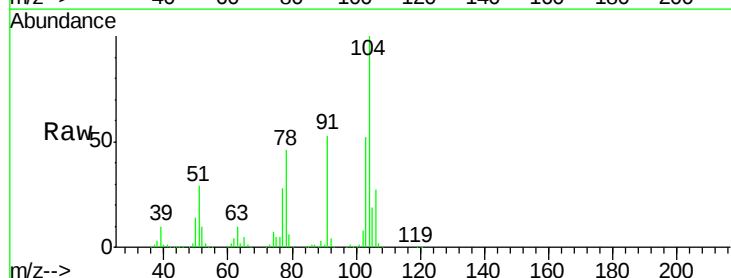
Manual Integrations
APPROVED

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#70
Styrene
Concen: 21.632 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion:104 Resp: 217531
Ion Ratio Lower Upper
104 100
78 48.8 41.0 61.6
103 55.8 44.2 66.4





#71

Bromoform

Concen: 18.227 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion:173 Resp: 55058

Ion Ratio Lower Upper

173 100

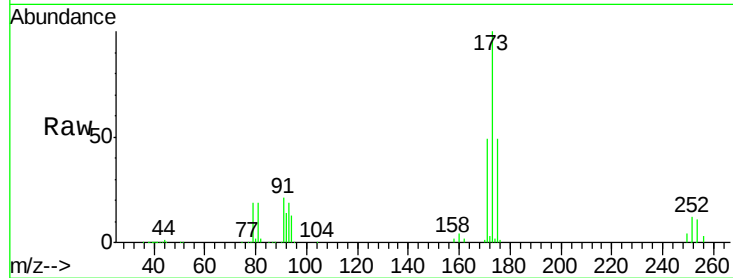
175 48.9 24.7 74.1

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda

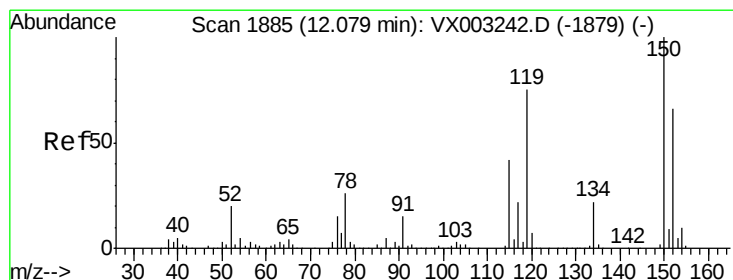
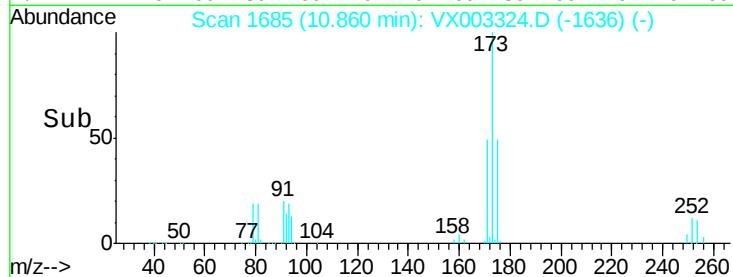
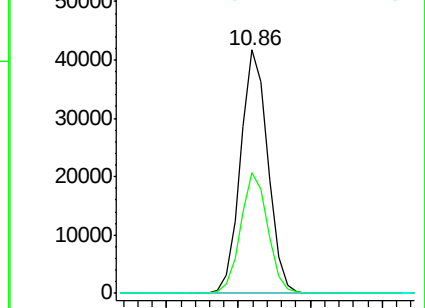
7/12/2018 10:59:28 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

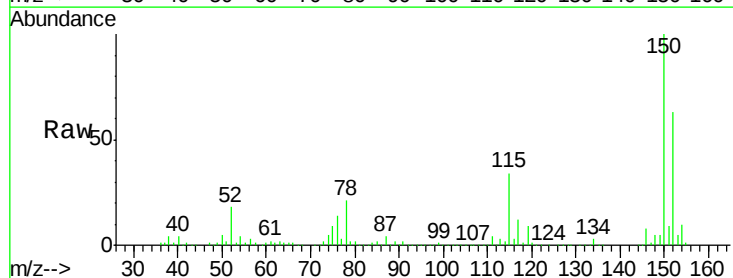
Tgt Ion:152 Resp: 198105

Ion Ratio Lower Upper

152 100

115 67.5 40.1 120.2

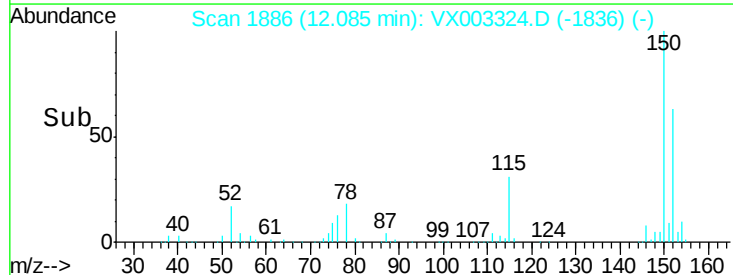
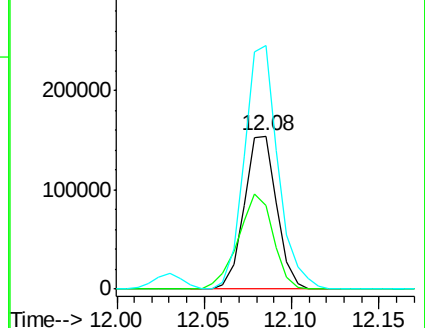
150 165.6 0.0 347.2

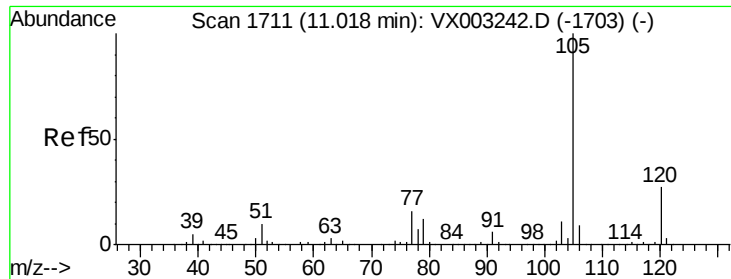


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.972 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 105 Resp: 359311

Ion Ratio Lower Upper

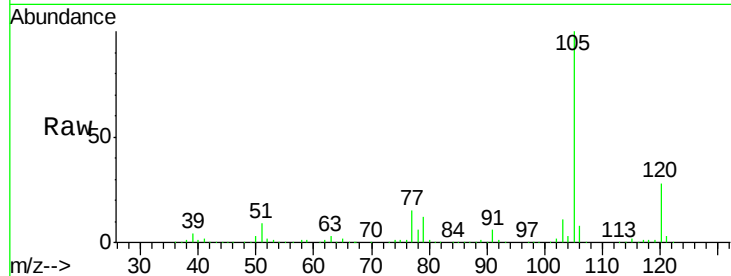
105 100

120 26.8 13.5 40.4

Manual Integrations
APPROVED

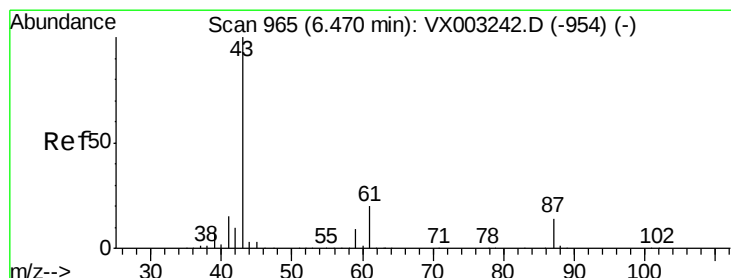
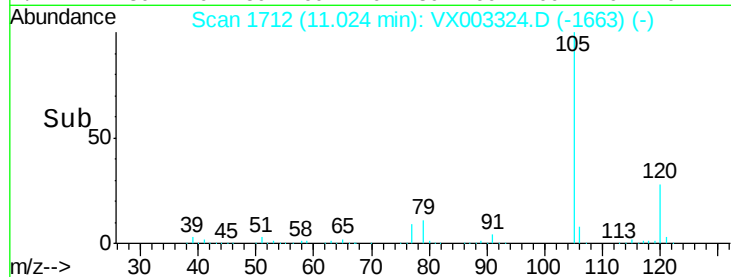
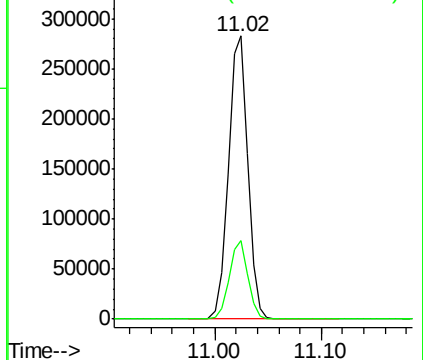
MMDadoda

7/12/2018 10:59:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.420 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion: 43 Resp: 167287

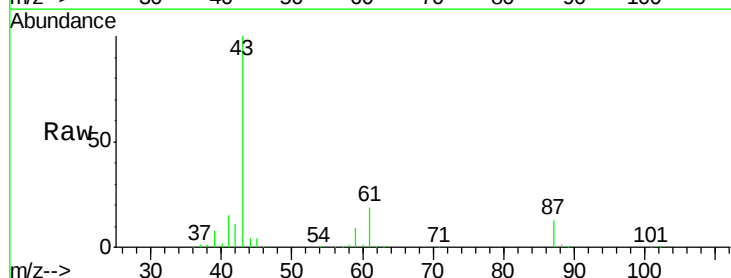
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.1 14.4 21.6

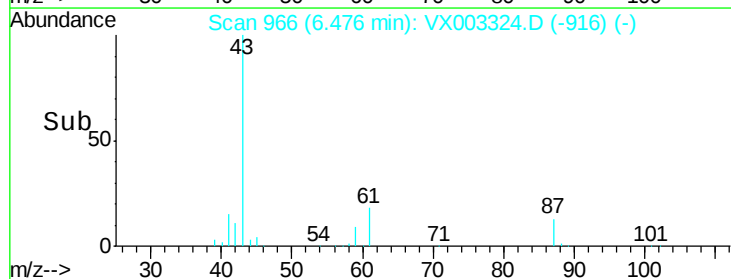
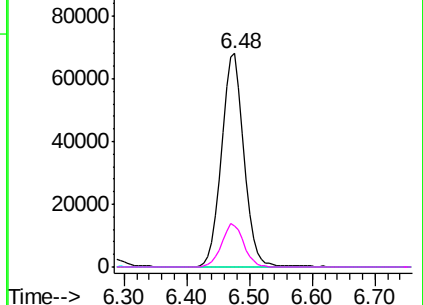


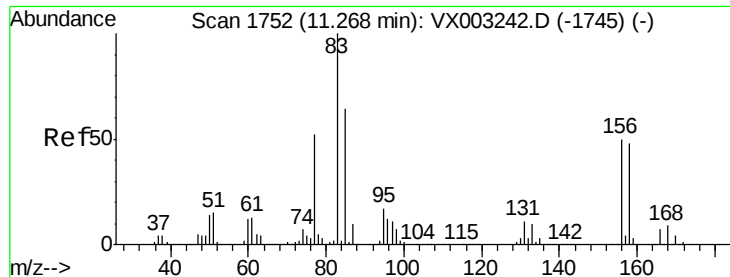
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.438 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion: 83 Resp: 113709

Ion Ratio Lower Upper

83 100

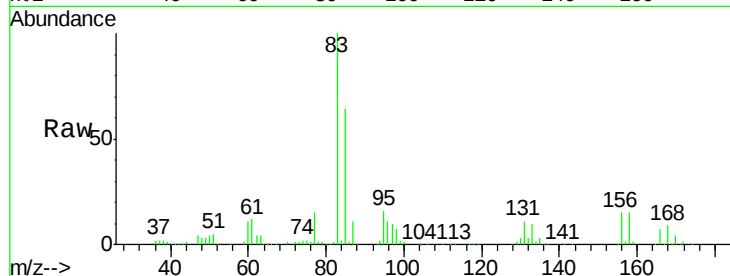
131 10.5 5.6 16.8

85 64.3 32.4 97.2

Manual Integrations
APPROVED

MMDadoda

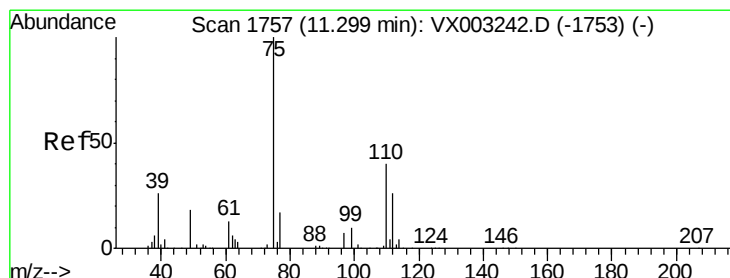
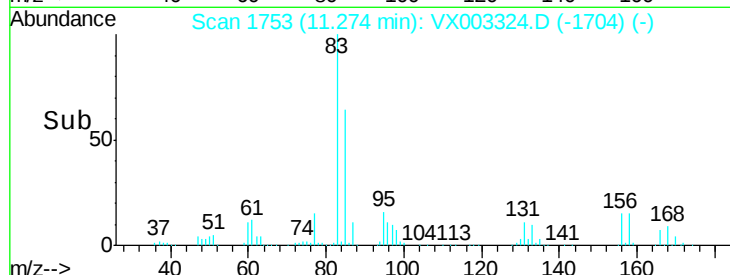
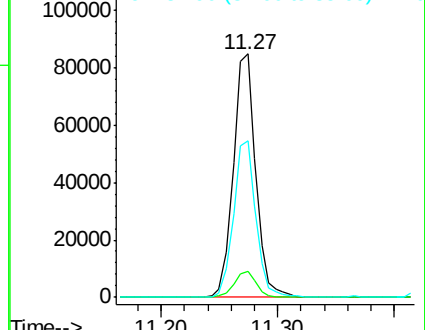
7/12/2018 10:59:28 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.571 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX003324.D

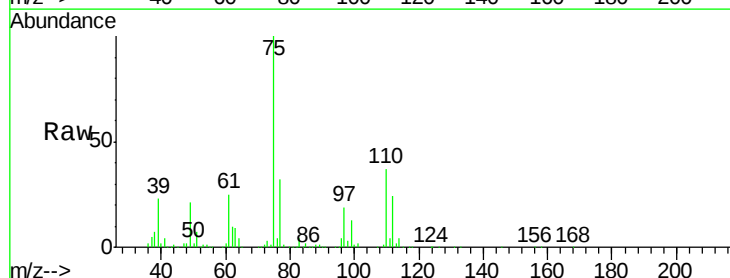
Acq: 11 Jul 2018 17:16

Tgt Ion: 75 Resp: 113759

Ion Ratio Lower Upper

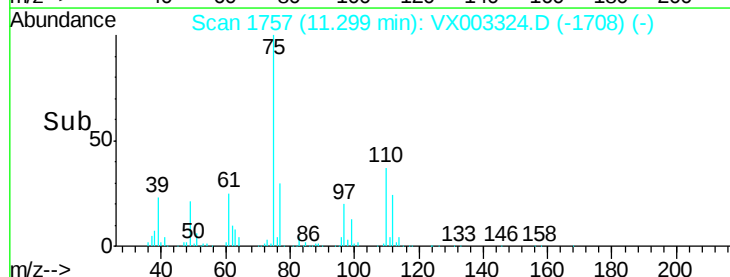
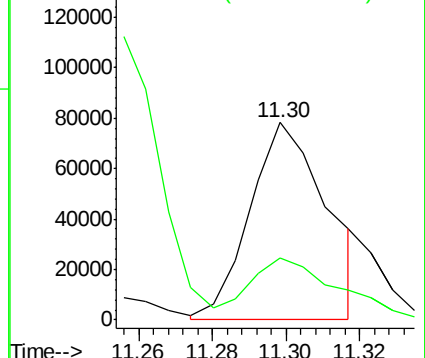
75 100

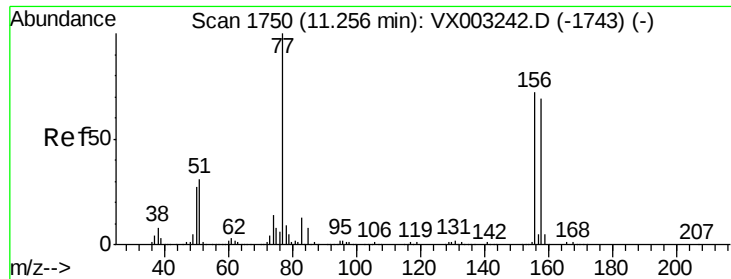
77 36.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.163 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

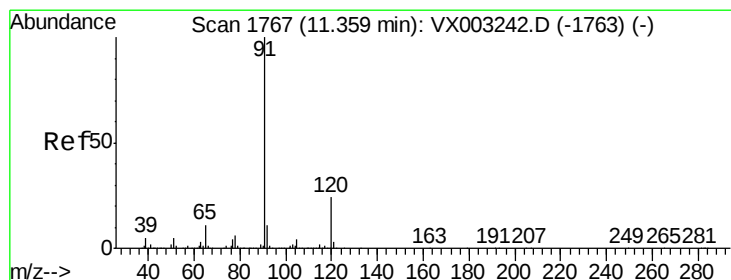
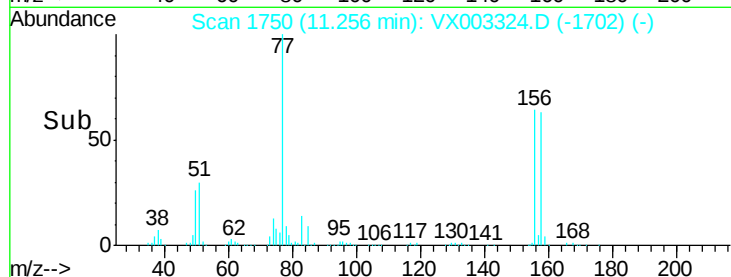
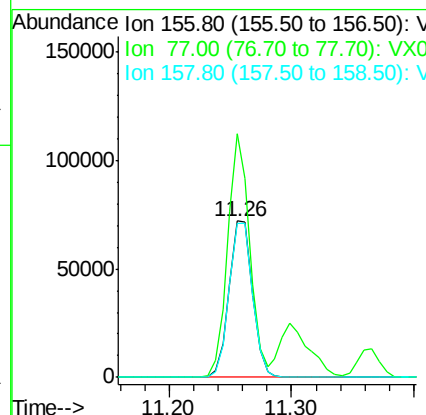
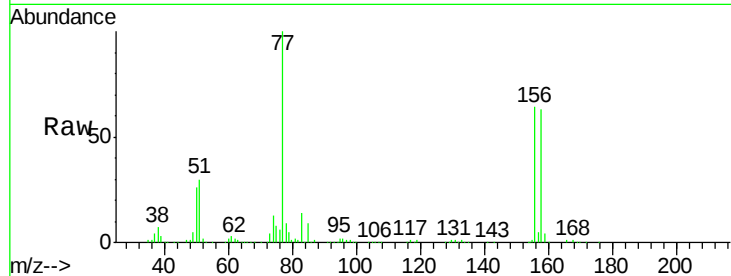
ClientSampleId :

VX0711WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	145.9	71.4	214.2	
158	98.7	48.9	146.6	

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#78

n-propylbenzene

Concen: 23.509 ug/l

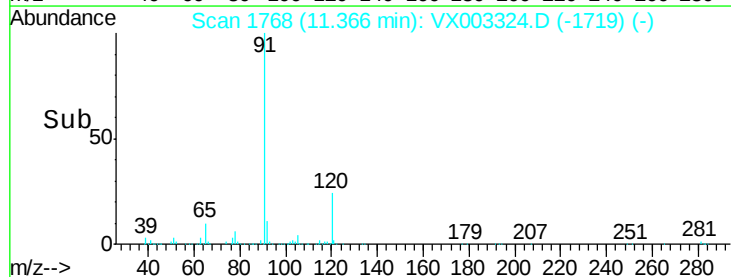
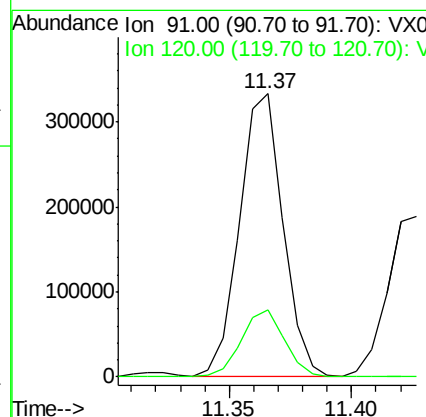
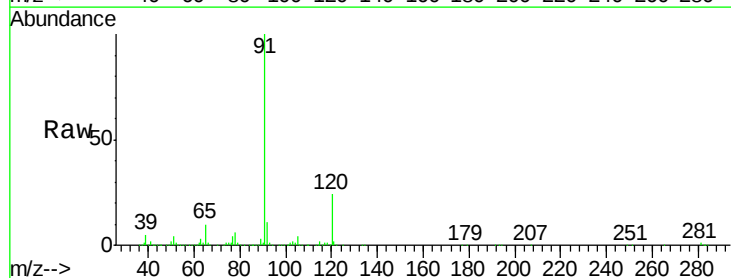
RT: 11.37 min Scan# 1768

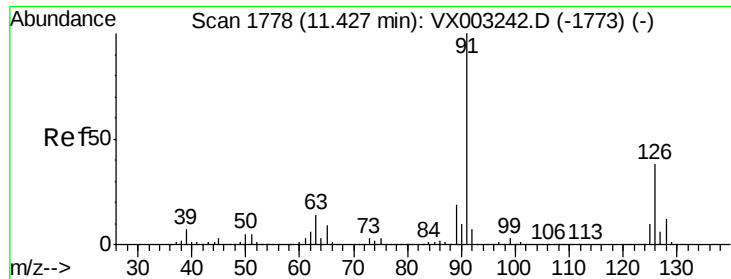
Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.8	35.4	





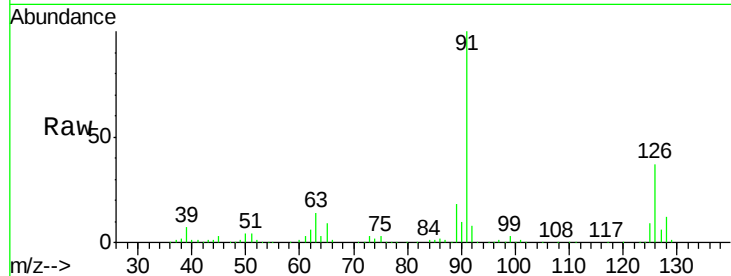
#79
 2-Chlorotoluene
 Concen: 23.004 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

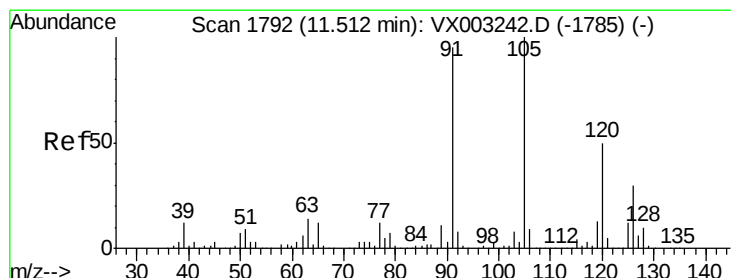
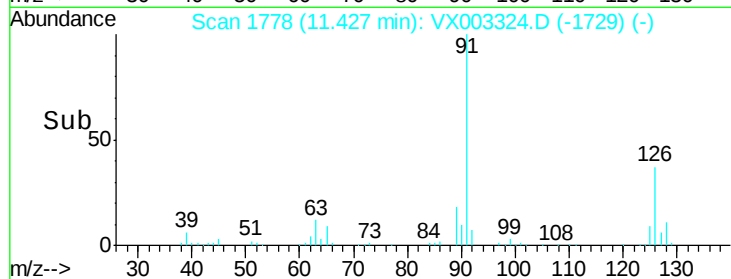
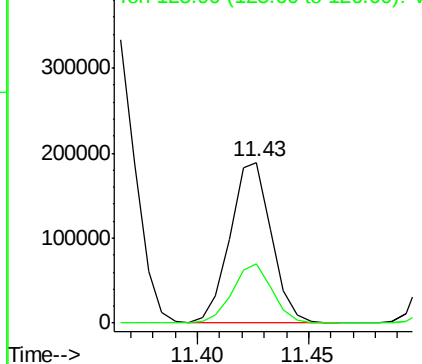
Tot Ion: 91 Resp: 243721
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.7 53.1

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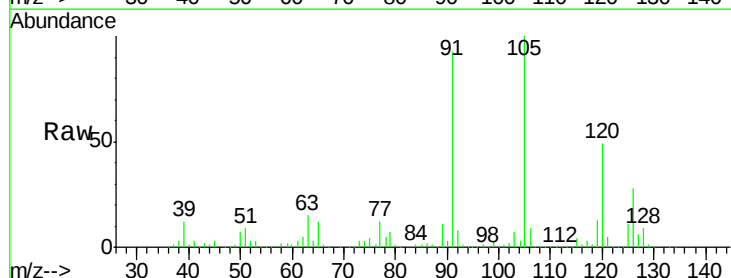


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

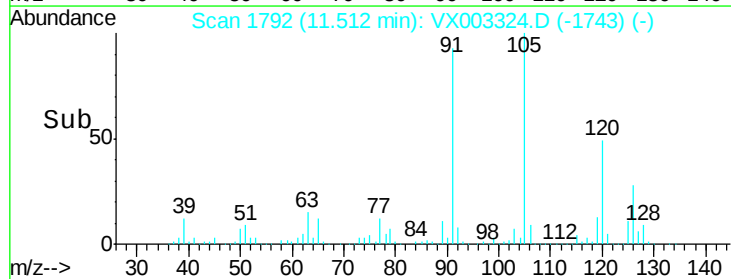
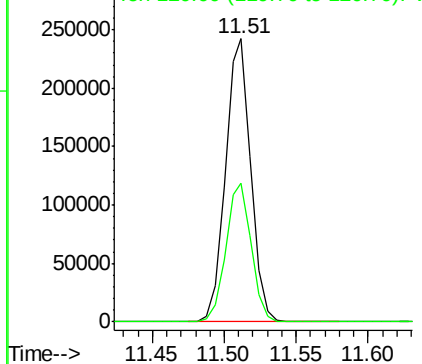


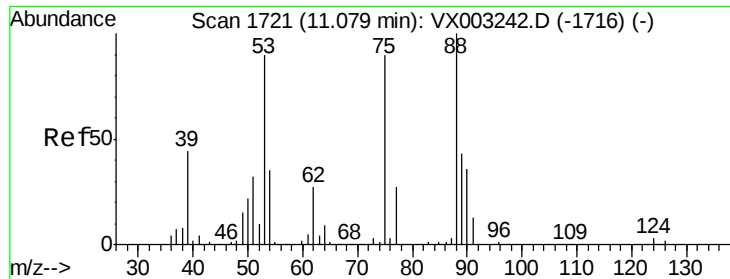
#80
 1,3,5-Trimethylbenzene
 Concen: 22.899 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion: 105 Resp: 298238
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.4



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





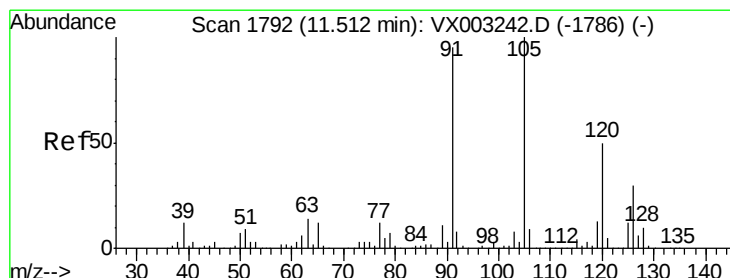
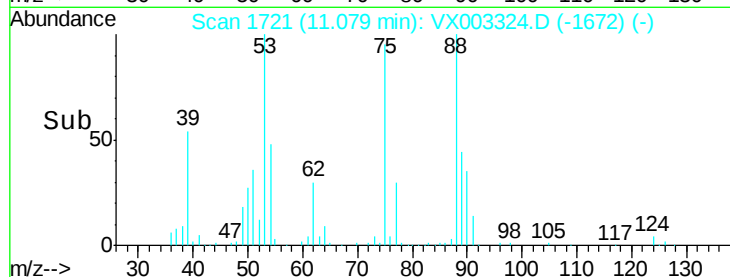
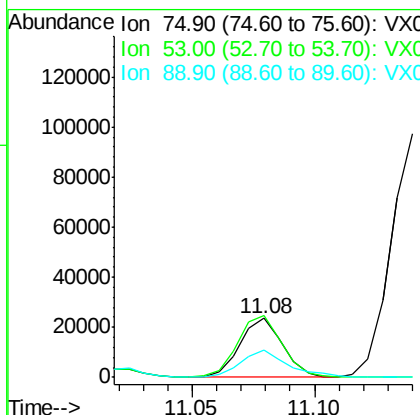
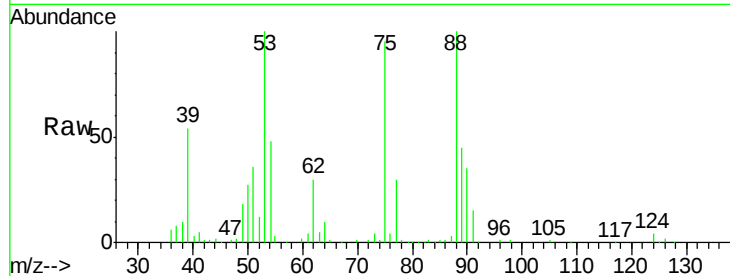
#81
trans-1,4-Dichloro-2-butene
Concen: 21.842 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.1	86.8	130.2
89	52.3	38.2	57.2

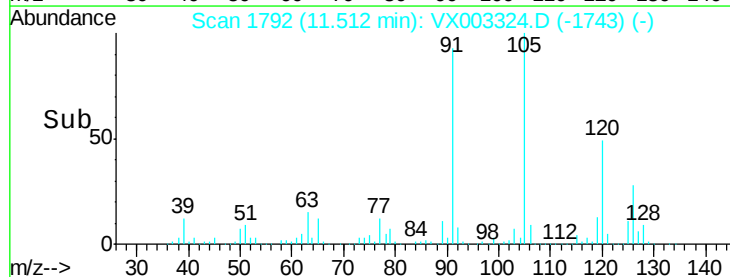
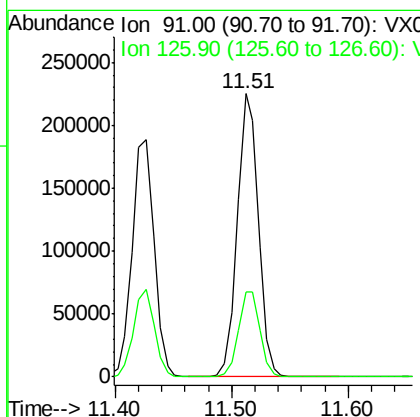
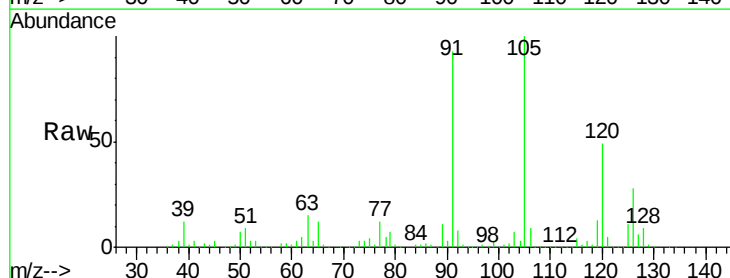
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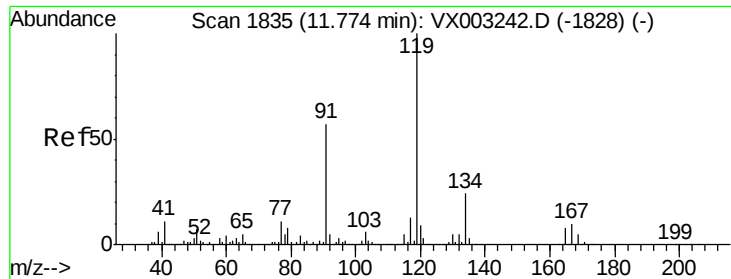
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#82
4-Chlorotoluene
Concen: 22.913 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.4	46.4





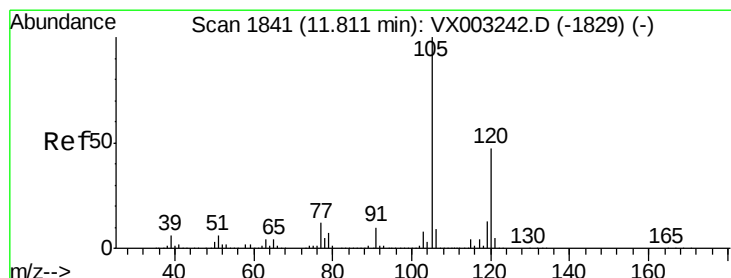
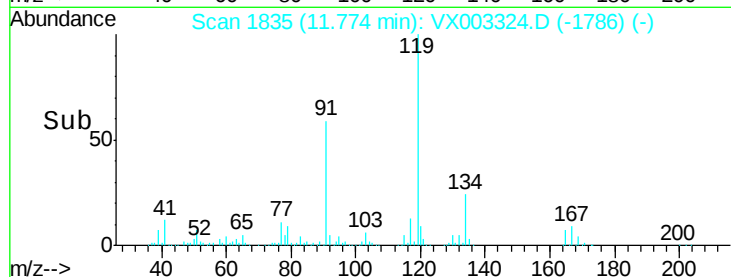
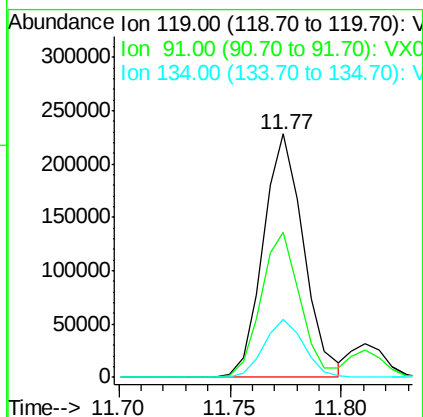
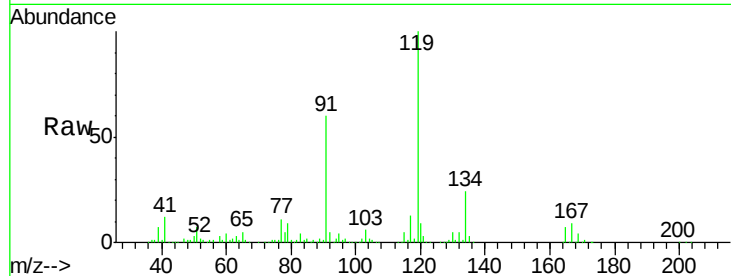
#83
 tert-Butylbenzene
 Concen: 22.122 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	30.3	90.9
134	23.5	11.7	35.1

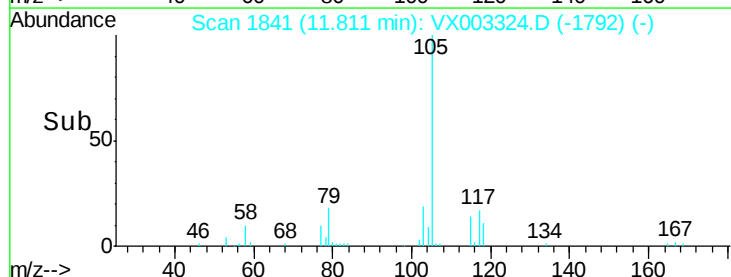
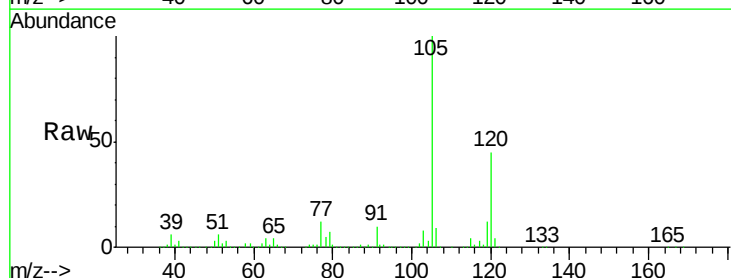
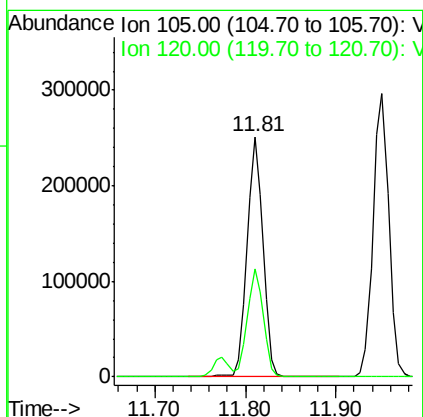
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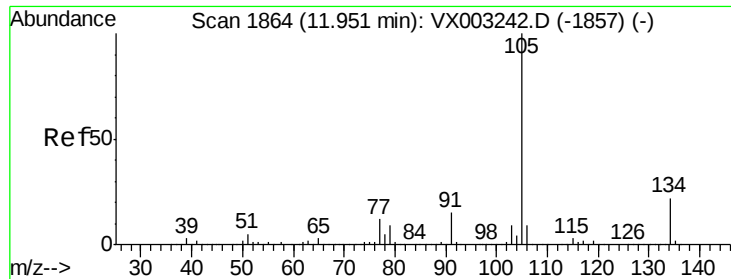
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.939 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.8





#85

sec-Butylbenzene

Concen: 23.192 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

ClientSampleId :

VX0711WBSD01

Tot Ion:105 Resp: 356626

Ion Ratio Lower Upper

105 100

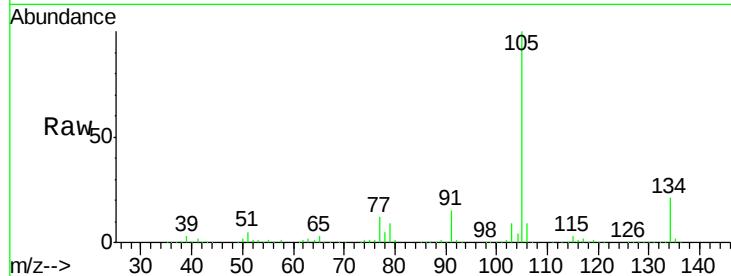
134 20.3 10.4 31.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

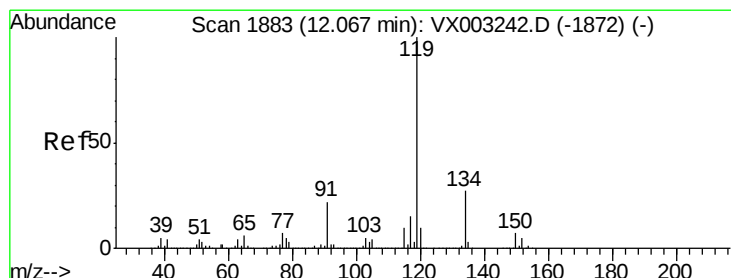
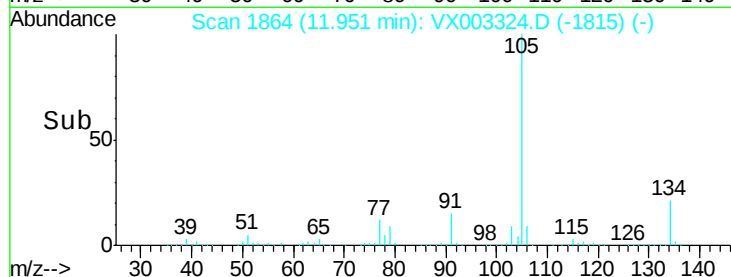
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.575 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

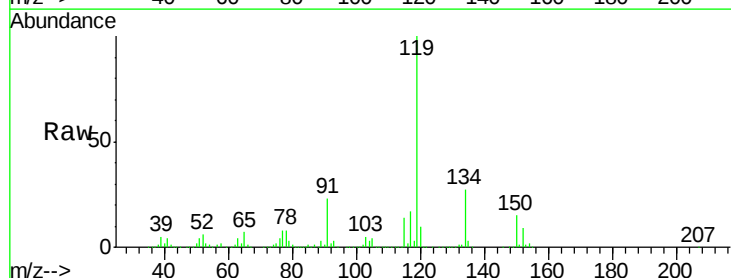
Tgt Ion:119 Resp: 316273

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

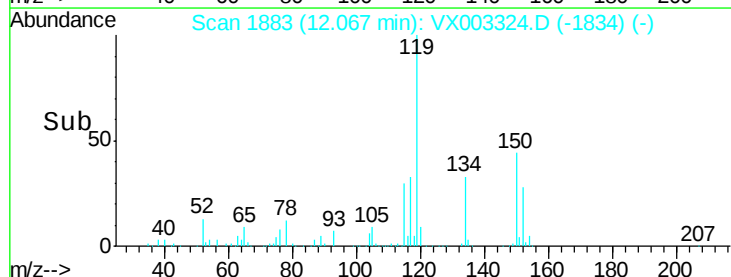
300000

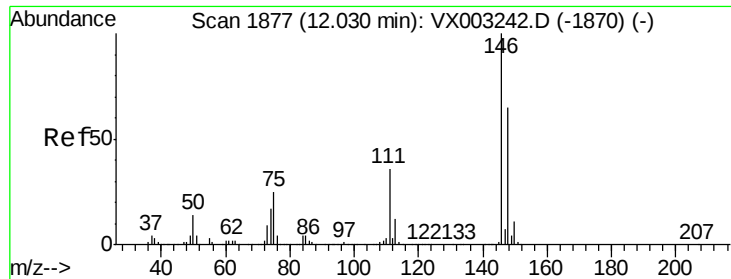
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.063 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

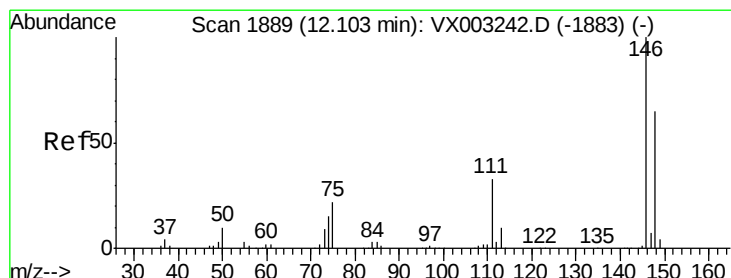
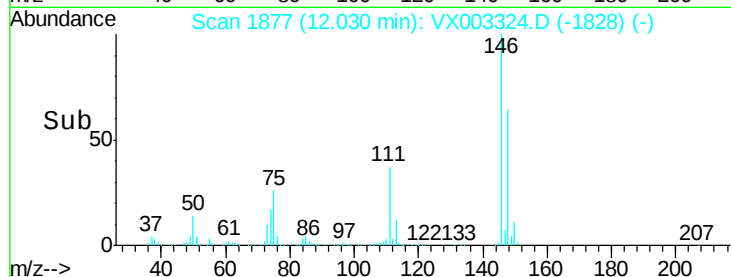
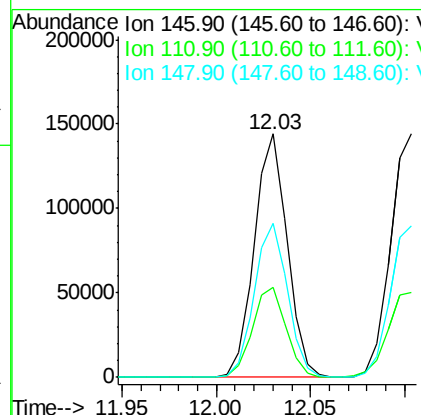
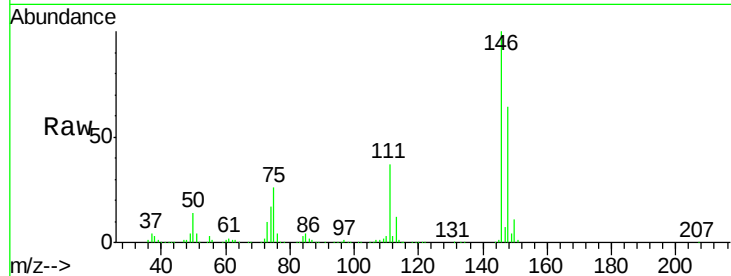
ClientSampleId :

VX0711WBSD01

Tot Ion:	146	Resp:	174482
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.9	56.7
148	64.2	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.982 ug/l

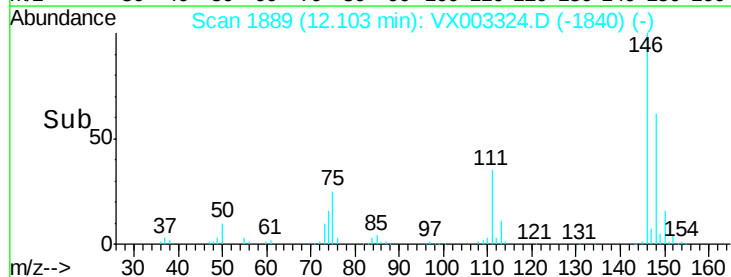
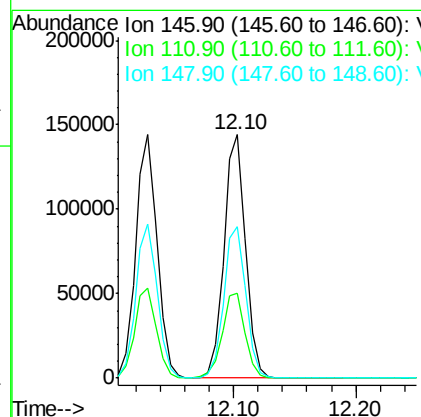
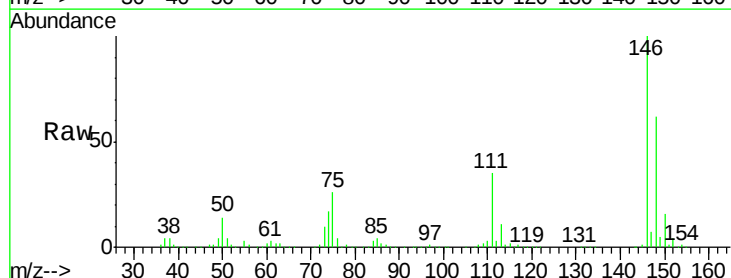
RT: 12.10 min Scan# 1889

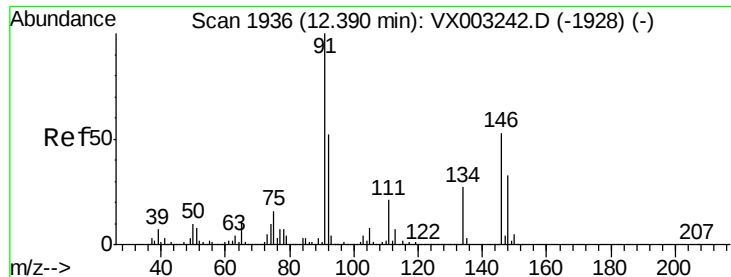
Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion:	146	Resp:	175970
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.7	56.1
148	64.1	32.4	97.0





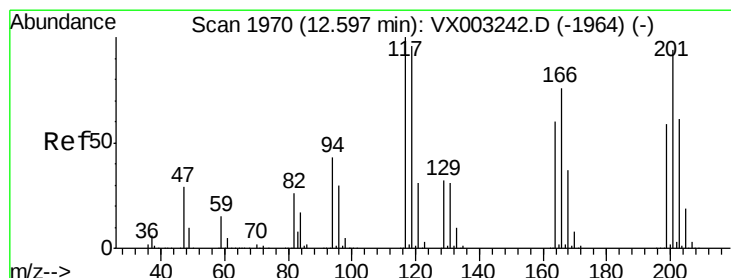
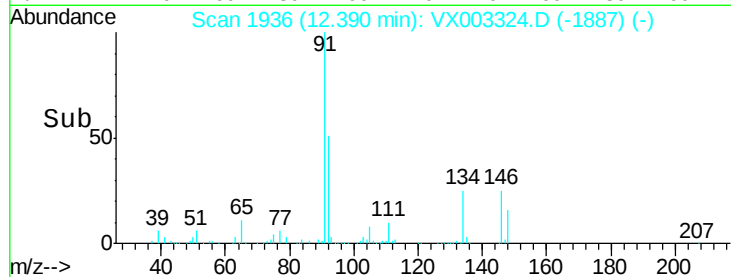
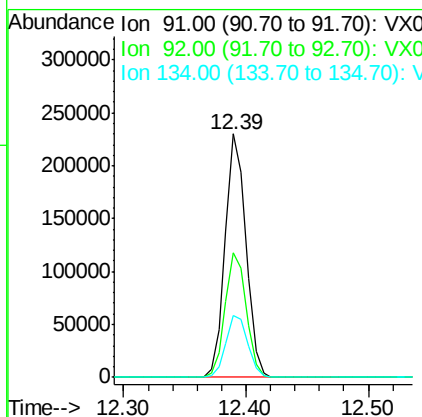
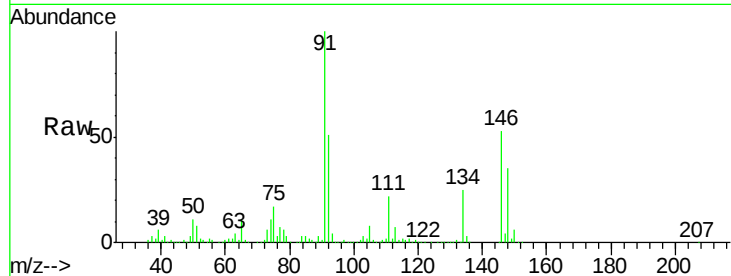
#89
n-Butylbenzene
Concen: 23.192 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Instrument :
MSVOA_X
ClientSampleId :
VX0711WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		271465		
92	51.8	26.0	78.0		
134	26.5	13.5	40.5		

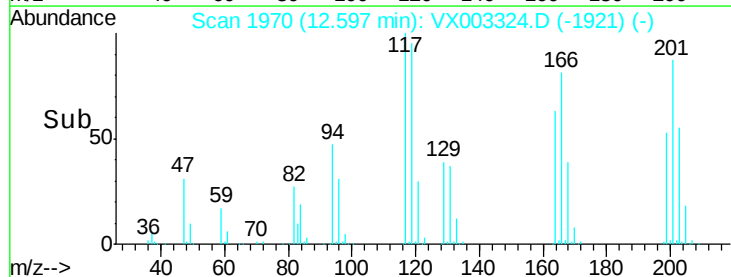
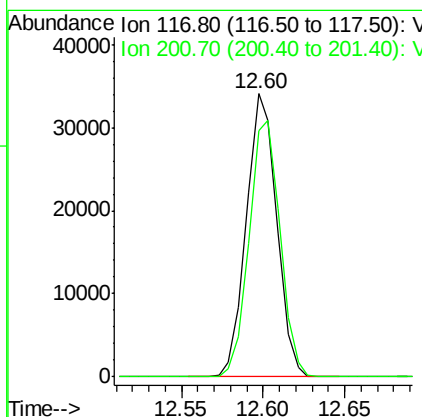
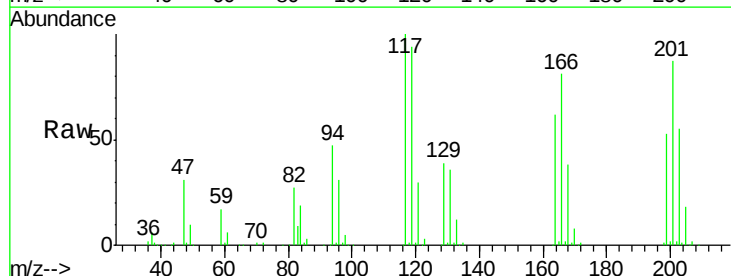
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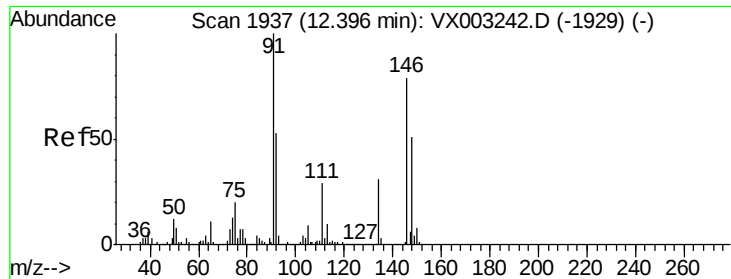
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#90
Hexachloroethane
Concen: 20.740 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003324.D
Acq: 11 Jul 2018 17:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		44362		
201	92.1	49.0	147.0		





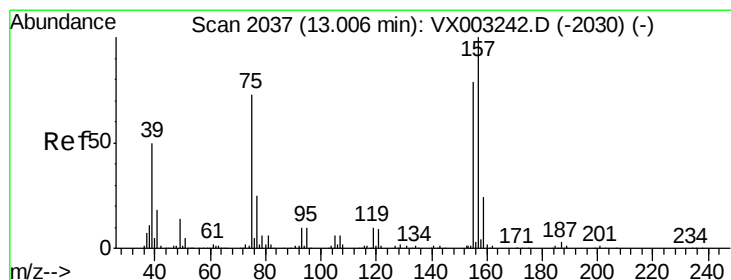
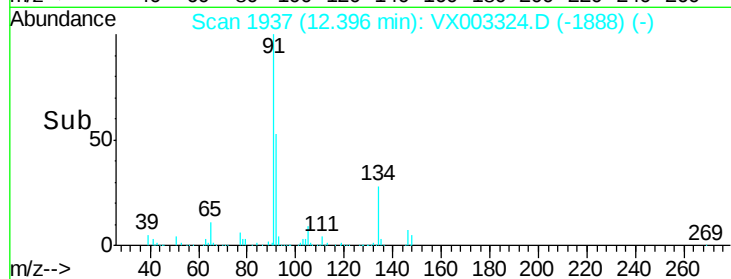
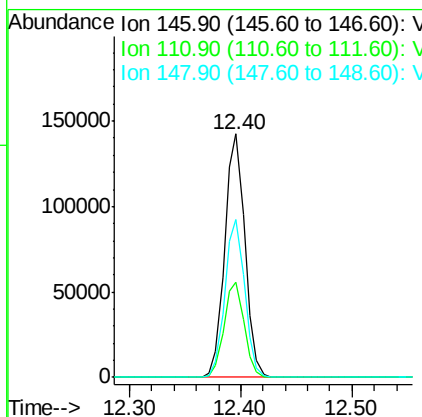
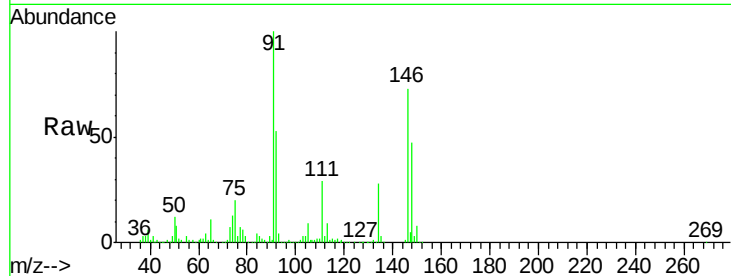
#91
 1,2-Dichlorobenzene
 Concen: 21.373 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	63.9	31.7	95.1

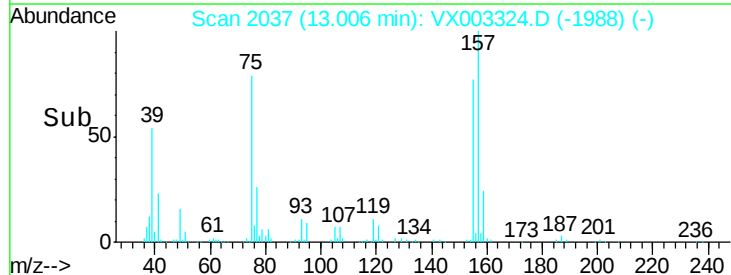
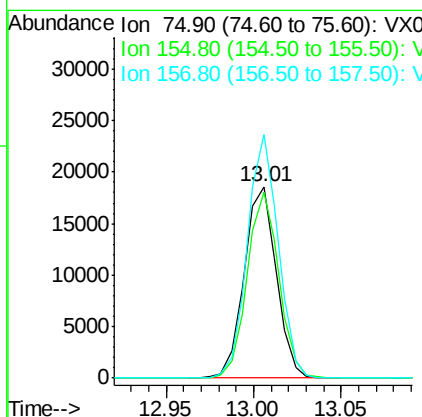
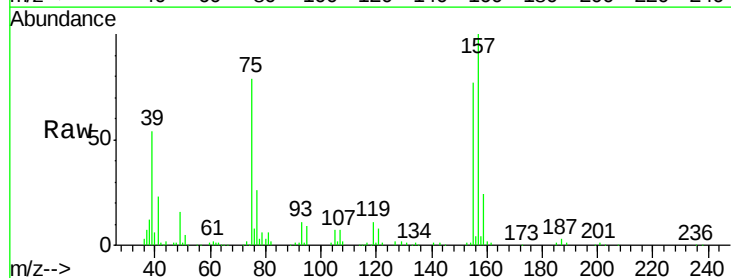
Manual Integrations
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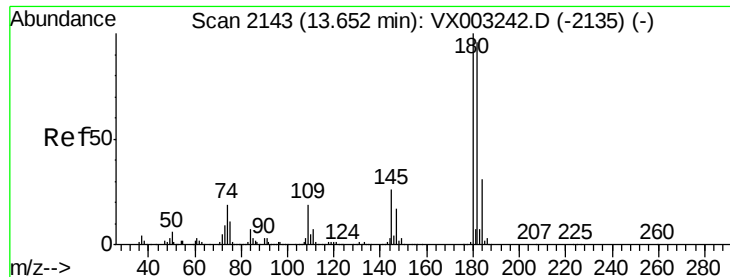
MMDadoda
 7/12/2018 10:59:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.762 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	45.8	137.4
157	122.3	60.1	180.3





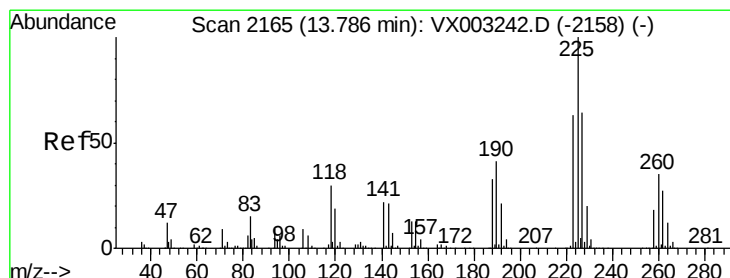
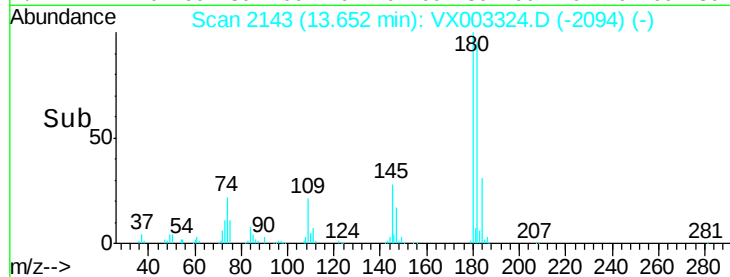
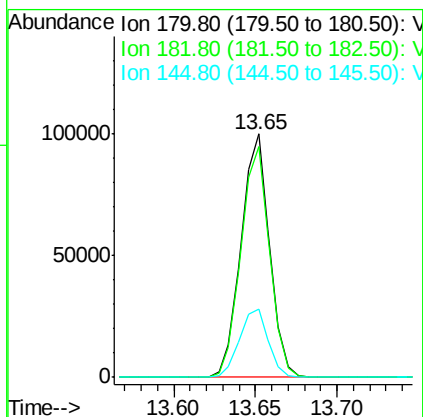
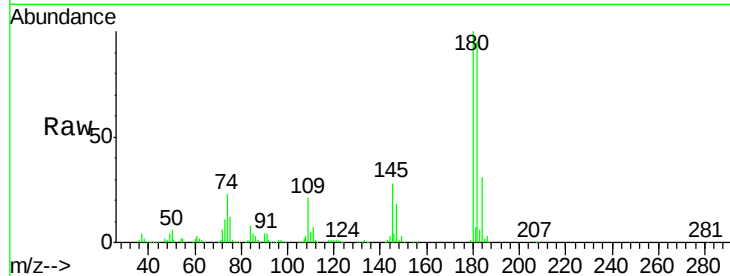
#93
 1,2,4-Trichlorobenzene
 Concen: 20.066 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0711WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121479		
182	95.8	47.7	143.1	
145	28.5	14.1	42.4	

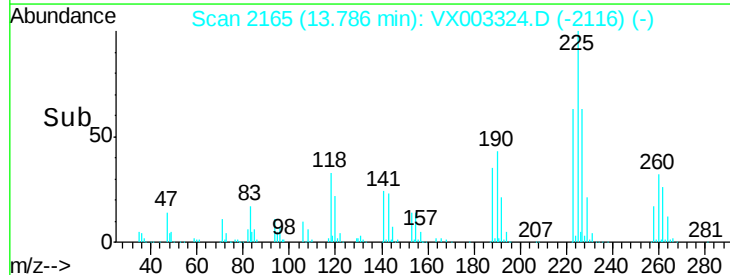
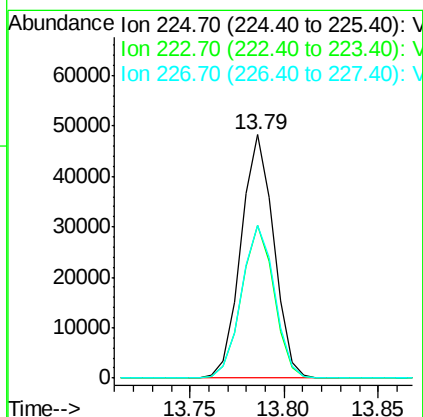
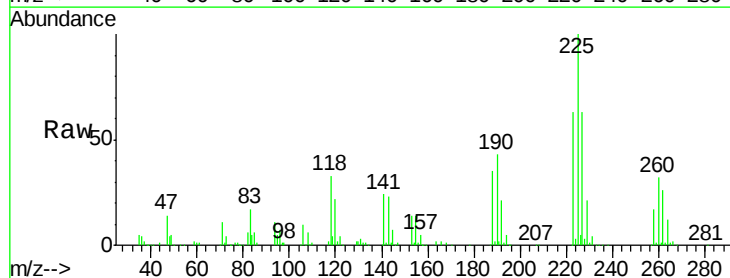
Manual Integrations
 APPROVED

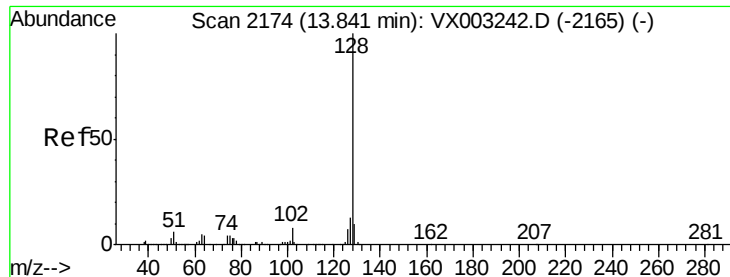
MMDadoda
 7/12/2018 10:59:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.253 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003324.D
 Acq: 11 Jul 2018 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58026		
223	62.5	31.6	95.0	
227	63.9	32.4	97.2	





#95

Naphthalene

Concen: 23.318 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Instrument :

MSVOA_X

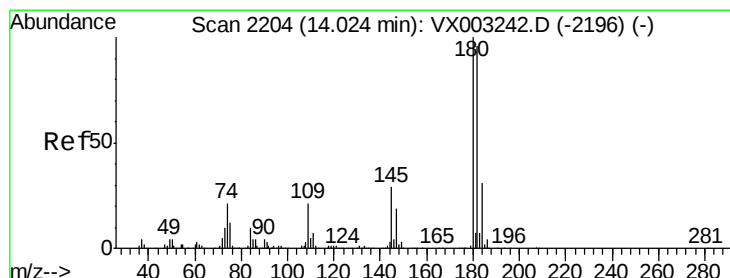
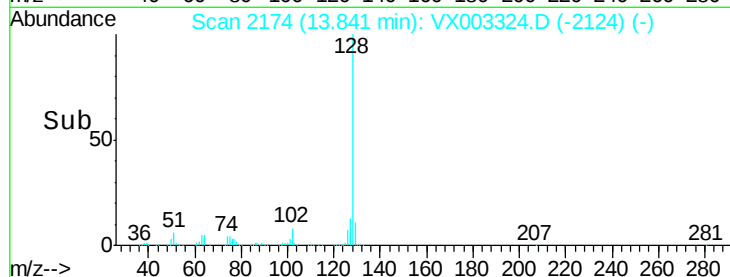
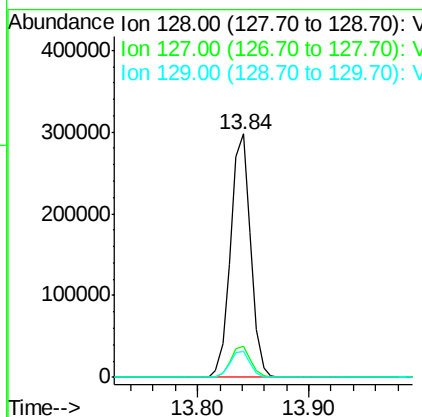
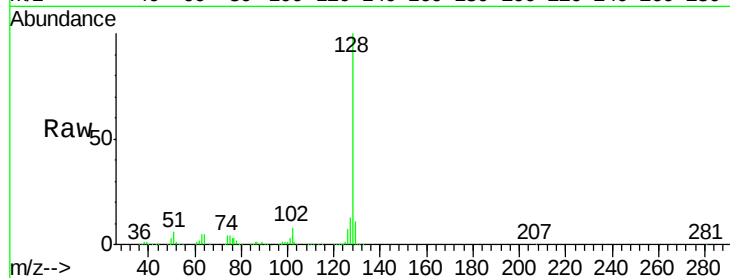
ClientSampleId :

VX0711WBSD01

Tot Ion:	128	Resp:	369339
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/12/2018 10:59:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.826 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003324.D

Acq: 11 Jul 2018 17:16

Tgt Ion:	180	Resp:	125745
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.0
145	29.8	14.8	44.3

