

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041118\
 Data File : VX000779.D
 Acq On : 11 Apr 2018 15:30
 Operator : JC/MD
 Sample : VX0411WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/12/2018 10:51:26 AM

Quant Time: Apr 12 07:35:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	236987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208168	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	158245	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	5.51	113	133668	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
50) Toluene-d8	8.72	98	480121	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.15	95	194727	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	56844	21.25	ug/l	99
3) Chloromethane	1.32	50	42497	18.53	ug/l	98
4) Vinyl Chloride	1.40	62	53047	20.56	ug/l	97
5) Bromomethane	1.64	94	15112	13.13	ug/l	100
6) Chloroethane	1.73	64	31738	20.30	ug/l	99
7) Trichlorofluoromethane	1.93	101	81613	20.97	ug/l	99
8) Diethyl Ether	2.19	74	31834	21.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47407	20.66	ug/l	99
10) Methyl Iodide	2.51	142	11649	13.68	ug/l	99
11) Tert butyl alcohol	3.07	59	63607	119.89	ug/l	99
12) 1,1-Dichloroethene	2.38	96	45616	20.97	ug/l	99
13) Acrolein	2.30	56	25015	97.09	ug/l	99
14) Allyl chloride	2.73	41	83459	20.75	ug/l	100
15) Acrylonitrile	3.15	53	130805	115.65	ug/l	100
16) Acetone	2.45	43	117308	113.84	ug/l	99
17) Carbon Disulfide	2.57	76	131295	19.93	ug/l	99
18) Methyl Acetate	2.78	43	63357	23.76	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	159668	22.04	ug/l	99
20) Methylene Chloride	2.86	84	51843	21.63	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	49940	20.82	ug/l	99
22) Diisopropyl ether	3.88	45	166020	22.46	ug/l	97
23) Vinyl Acetate	3.83	43	749658	115.52	ug/l	98
24) 1,1-Dichloroethane	3.70	63	90021	21.71	ug/l	100
25) 2-Butanone	4.71	43	197223	115.90	ug/l	98
26) 2,2-Dichloropropane	4.59	77	82396	20.02	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	59216	21.75	ug/l	99
28) Bromochloromethane	5.03	49	35794	21.43	ug/l	98
29) Tetrahydrofuran	5.18	42	125850	116.48	ug/l	100
30) Chloroform	5.22	83	96130	21.89	ug/l	100
31) Cyclohexane	5.59	56	80324	20.39	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	89030	21.28	ug/l	99
36) 1,1-Dichloropropene	5.81	75	71371	19.64	ug/l	99
37) Ethyl Acetate	4.87	43	76276	21.50	ug/l	99
38) Carbon Tetrachloride	5.79	117	80269	19.73	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	83689	19.18	ug/l	99
40) Benzene	6.15	78	206797	20.48	ug/l	99
41) Methacrylonitrile	5.07	41	44159	21.54	ug/l	100
42) 1,2-Dichloroethane	6.21	62	80273	21.28	ug/l	99
43) Isopropyl Acetate	6.48	43	128897	21.19	ug/l	100
44) Trichloroethene	7.22	130	63029	20.07	ug/l	96
45) 1,2-Dichloropropane	7.52	63	52172	20.29	ug/l	96
46) Dibromomethane	7.67	93	37269	20.79	ug/l	99
47) Bromodichloromethane	7.91	83	73912	20.43	ug/l	100
48) Methyl methacrylate	7.79	41	67761	21.49	ug/l	99
49) 1,4-Dioxane	7.76	88	28930	456.59	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	393302	110.08	ug/l	99
52) Toluene	8.79	92	136145	20.32	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	87935	20.26	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	85719	20.28	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	55046	20.70	ug/l	99
56) Ethyl methacrylate	9.19	69	85589	20.86	ug/l	99
57) 1,3-Dichloropropane	9.38	76	88976	21.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	209656	109.38	ug/l	100
59) 2-Hexanone	9.51	43	298511	108.22	ug/l	99
60) Dibromochloromethane	9.59	129	64408	20.24	ug/l	99
61) 1,2-Dibromoethane	9.68	107	59684	21.15	ug/l	98
64) Tetrachloroethene	9.34	164	61611	20.27	ug/l	96
65) Chlorobenzene	10.15	112	160206	20.48	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	59999	20.38	ug/l	100
67) Ethyl Benzene	10.26	91	265237	20.34	ug/l	99
68) m/p-Xylenes	10.37	106	209868	40.78	ug/l	100
69) o-Xylene	10.71	106	100917	20.34	ug/l	100
70) Styrene	10.72	104	170787	20.42	ug/l	99
71) Bromoform	10.87	173	54078	19.84	ug/l #	100
73) Isopropylbenzene	11.02	105	272582	20.64	ug/l	100
74) N-amyl acetate	6.48	43	128897	21.67	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	82461	21.52	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	76918m	21.43	ug/l	
77) Bromobenzene	11.26	156	79992	20.67	ug/l	100
78) n-propylbenzene	11.37	91	307721	20.37	ug/l	100
79) 2-Chlorotoluene	11.43	91	184595	20.68	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	231766	20.41	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	24198	18.54	ug/l	95
82) 4-Chlorotoluene	11.52	91	220636	20.47	ug/l	99
83) tert-Butylbenzene	11.77	119	241009	20.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	238750	20.36	ug/l	100
85) sec-Butylbenzene	11.95	105	277743	20.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	255329	19.97	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	146423	20.44	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	148504	20.23	ug/l	99
89) n-Butylbenzene	12.40	91	224819	19.93	ug/l	100
90) Hexachloroethane	12.60	117	40701	18.82	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	143249	20.71	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19827	20.65	ug/l	98

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MSVOA_X
ClientSampleId :
VX0411WBSD01

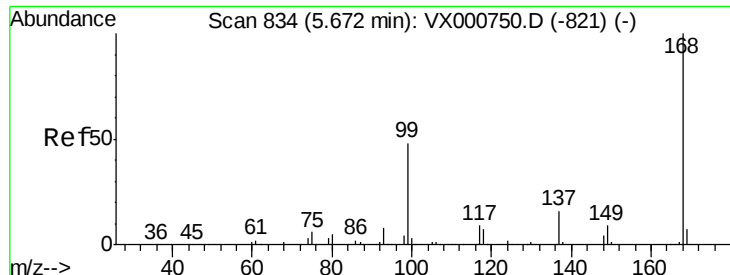
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	118475	20.08	ug/l	99
94) Hexachlorobutadiene	13.79	225	56104	19.34	ug/l	100
95) Naphthalene	13.84	128	322996	21.32	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117530	20.51	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion:168 Resp: 236987

Ion Ratio Lower Upper

168 100

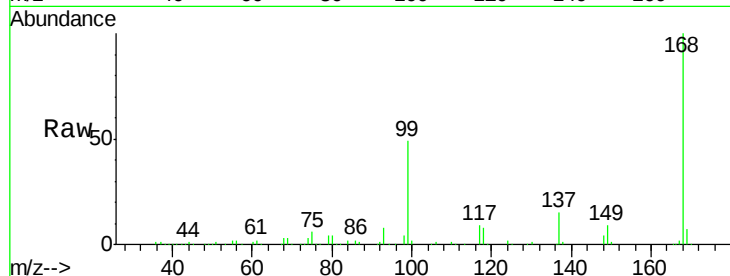
99 48.8 38.3 57.5

Manual Integrations

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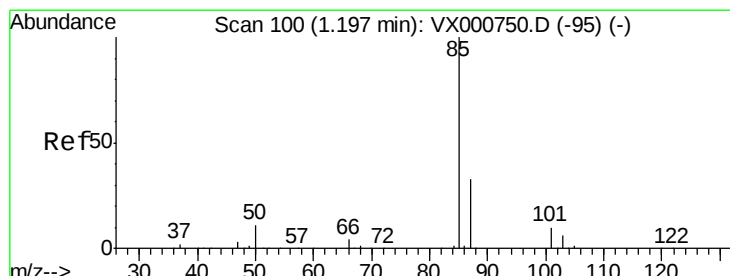
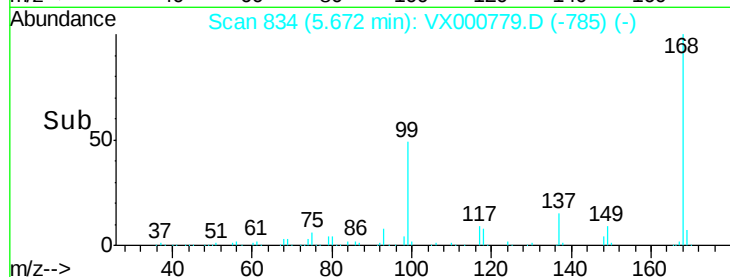
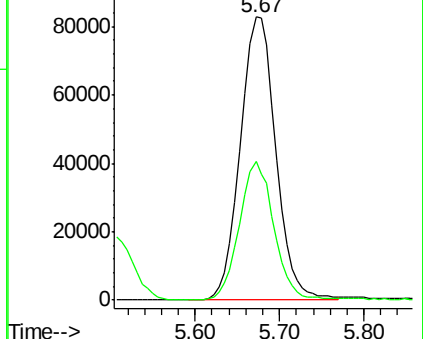
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 21.25 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000779.D

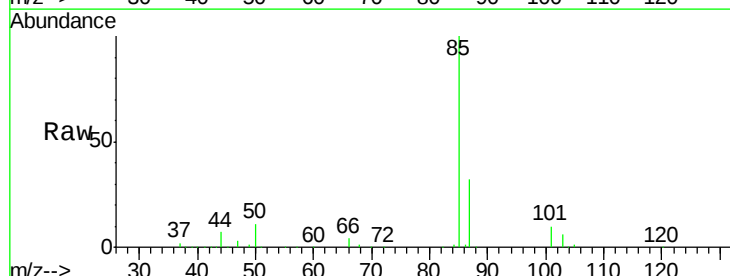
Acq: 11 Apr 2018 15:30

Tgt Ion: 85 Resp: 56844

Ion Ratio Lower Upper

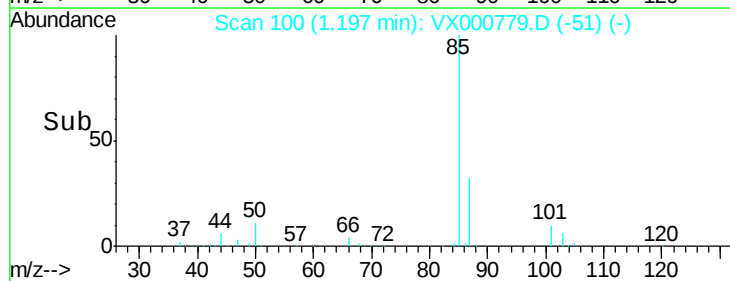
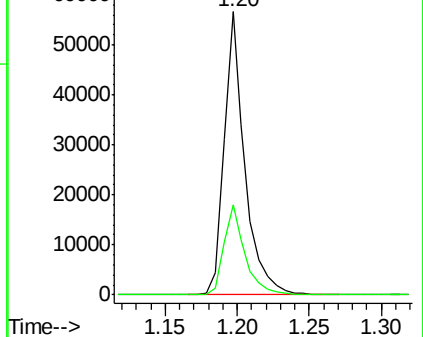
85 100

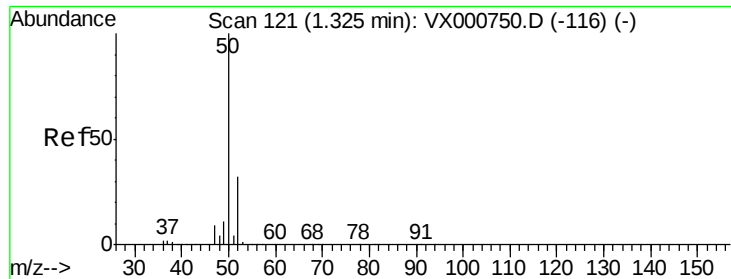
87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion: 50 Resp: 42497

Ion Ratio Lower Upper

50 100

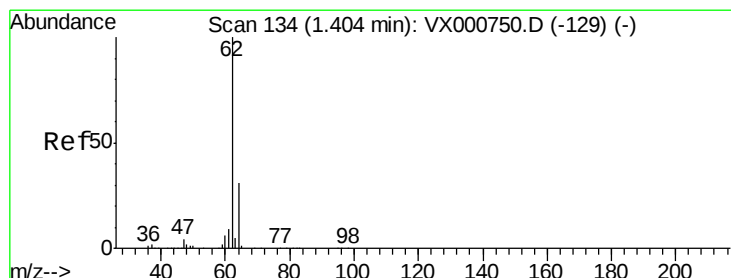
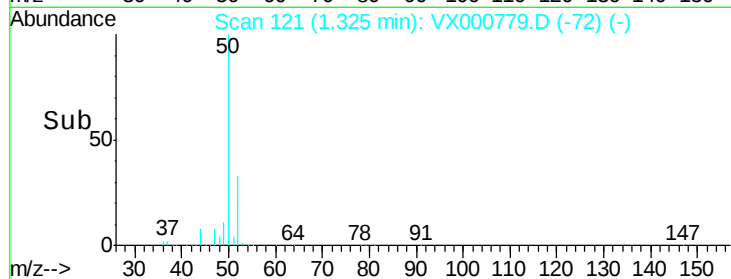
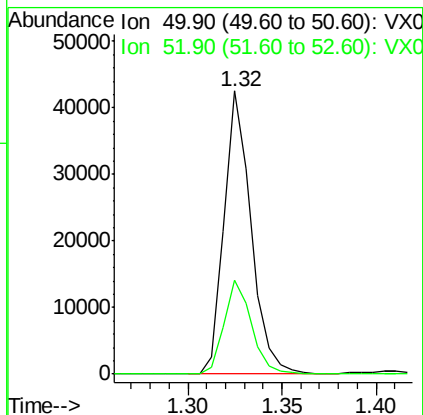
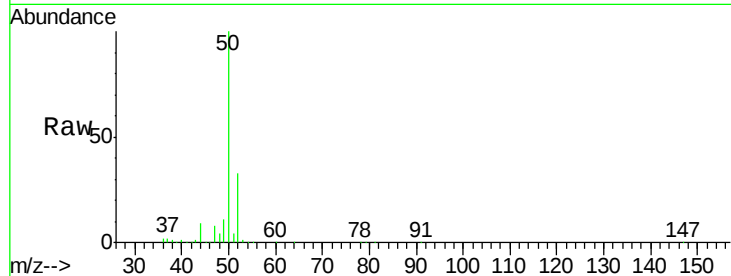
52 33.4 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000779.D

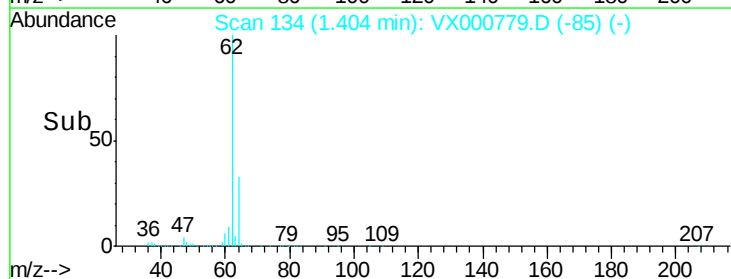
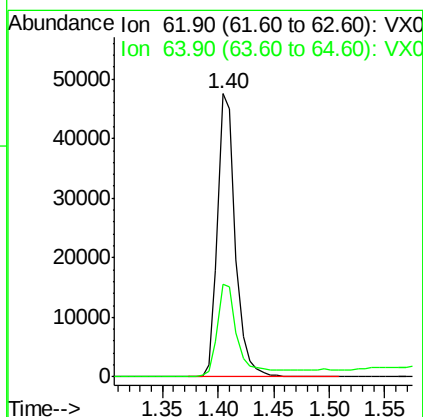
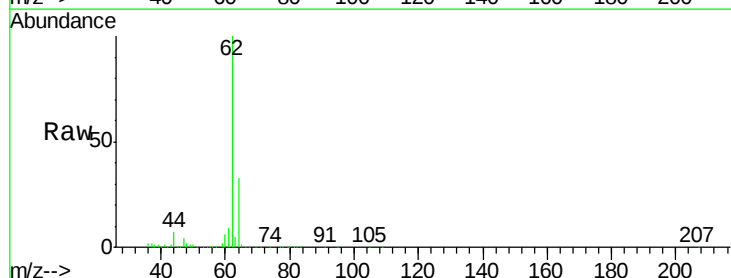
Acq: 11 Apr 2018 15:30

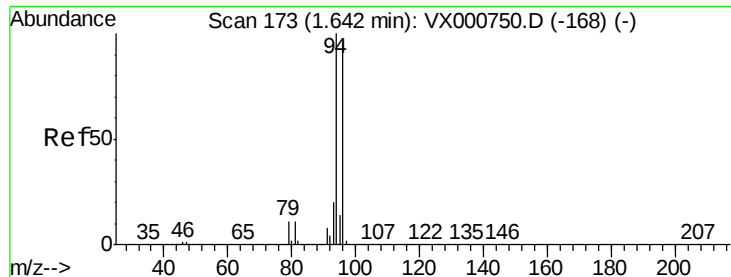
Tgt Ion: 62 Resp: 53047

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 13.13 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion: 94 Resp: 15112

Ion Ratio Lower Upper

94 100

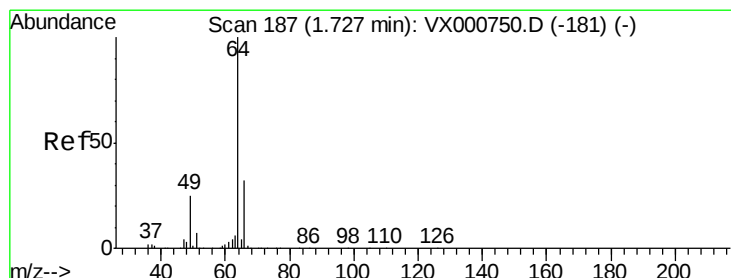
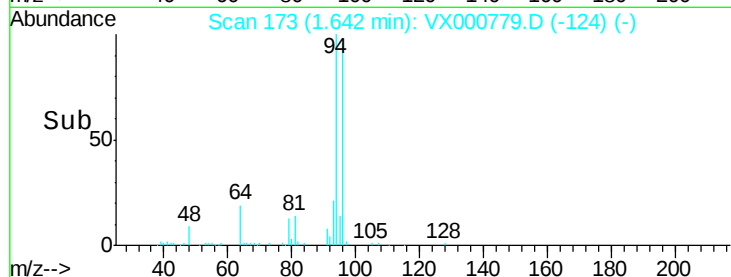
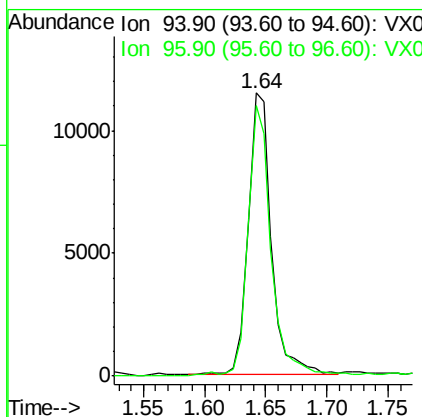
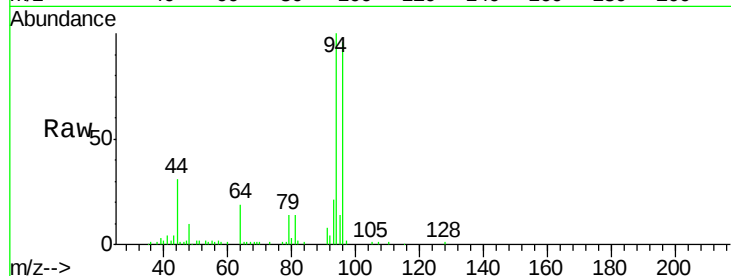
96 96.2 77.0 115.6

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#6

Chloroethane

Concen: 20.30 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000779.D

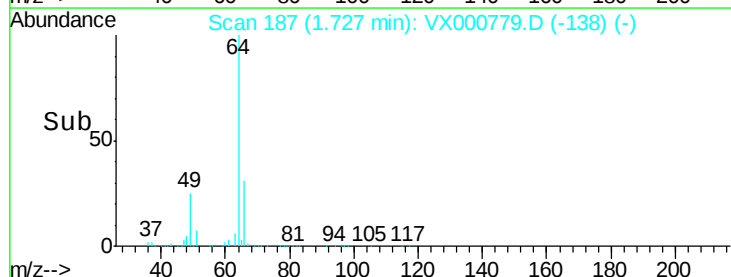
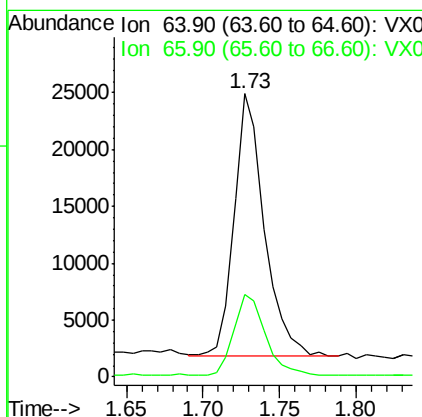
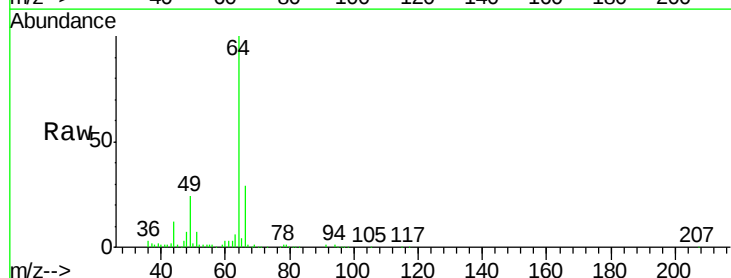
Acq: 11 Apr 2018 15:30

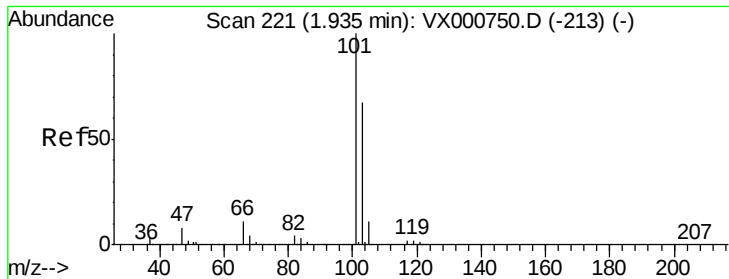
Tgt Ion: 64 Resp: 31738

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9





#7

Trichlorofluoromethane

Concen: 20.97 ug/l

RT: 1.93 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX000779.D

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Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 81613

Ion Ratio Lower Upper

101 100

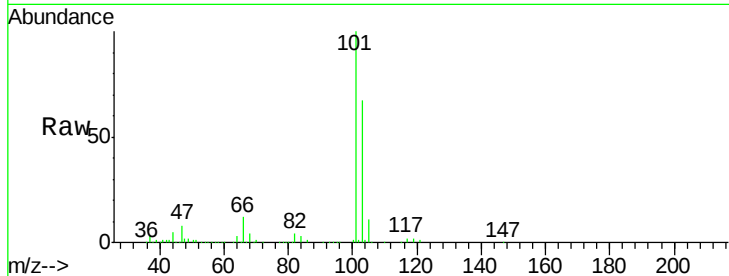
103 67.5 53.2 79.8

Manual Integrations

APPROVED

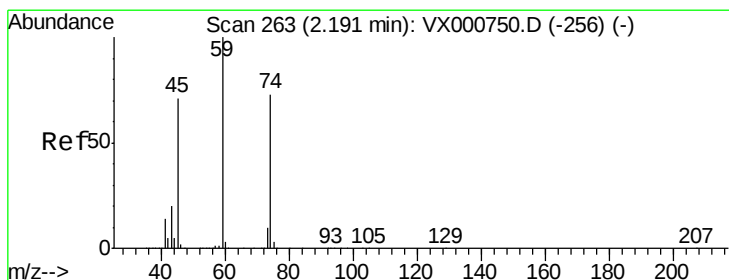
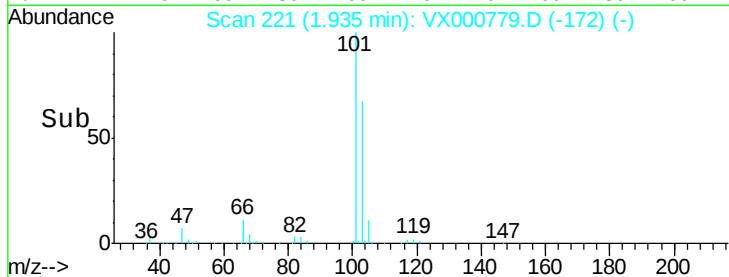
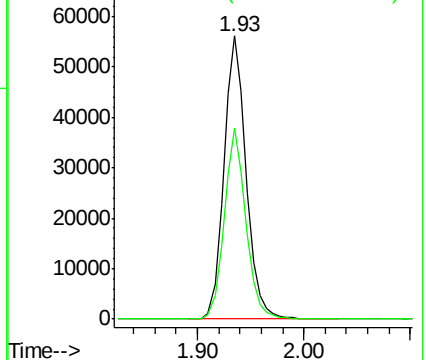
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 21.89 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX000779.D

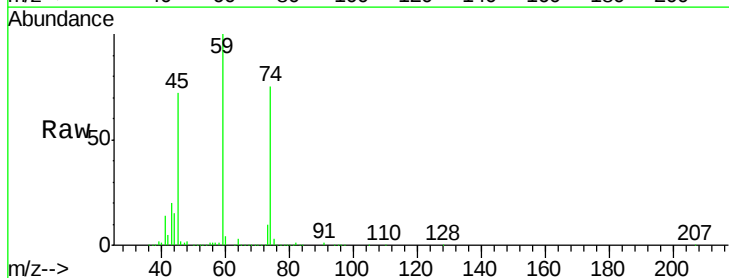
Acq: 11 Apr 2018 15:30

Tgt Ion: 74 Resp: 31834

Ion Ratio Lower Upper

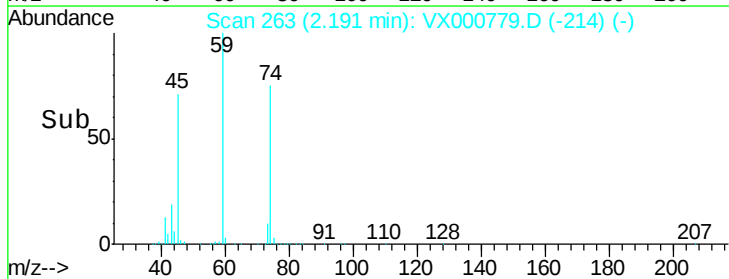
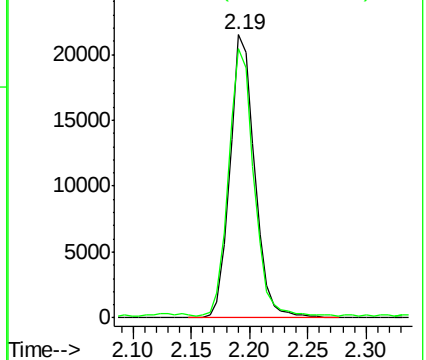
74 100

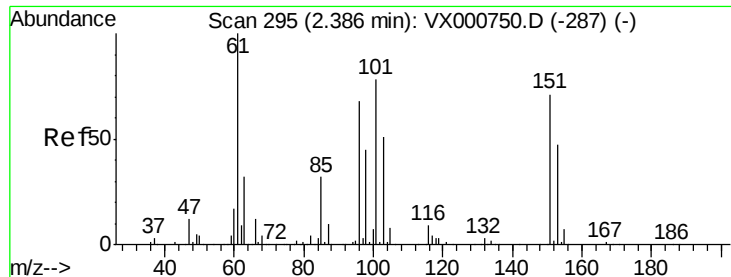
45 95.5 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.66 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

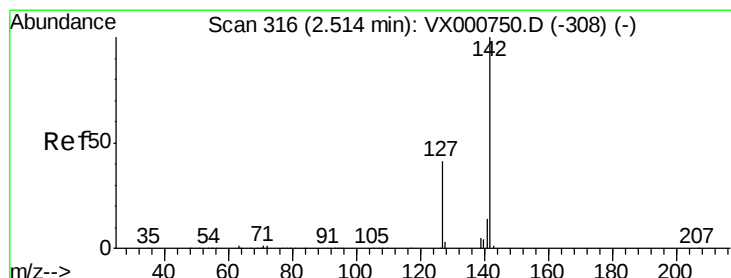
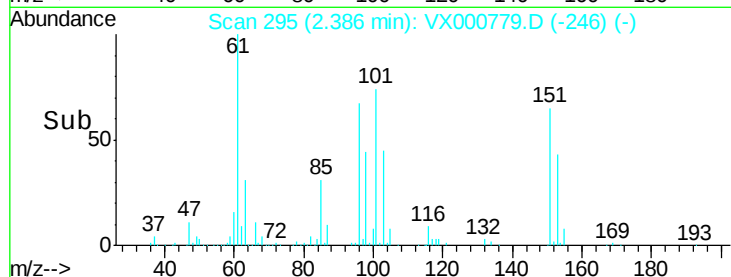
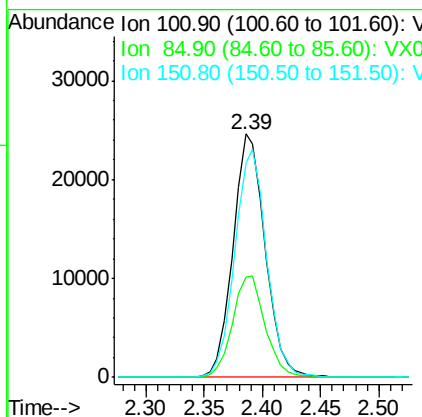
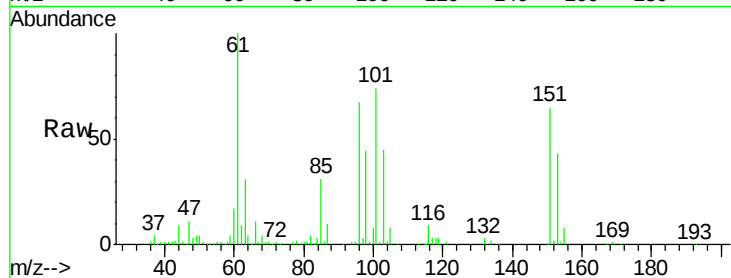
ClientSampleId :

VX0411WBSD01

Tot Ion:	101	Resp:	47407
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.0	51.0
151	92.9	75.8	113.8

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#10

Methyl Iodide

Concen: 13.68 ug/l

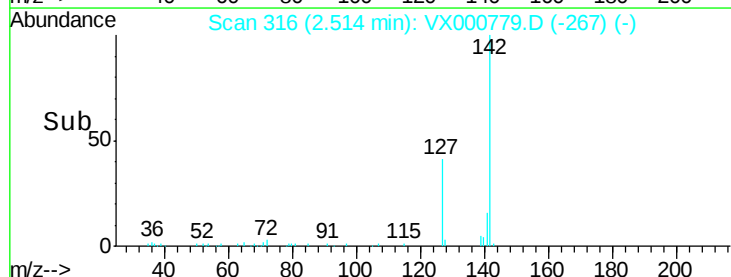
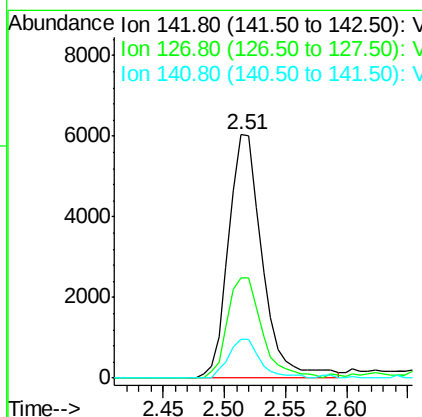
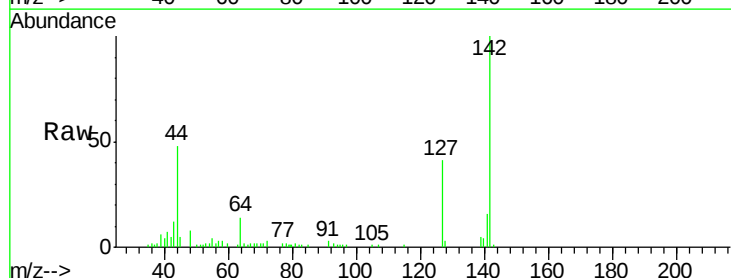
RT: 2.51 min Scan# 316

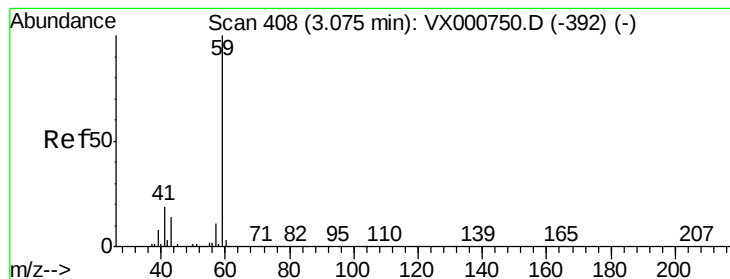
Delta R.T. 0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	142	Resp:	11649
Ion Ratio	Lower	Upper	
142	100		
127	41.6	32.6	49.0
141	14.7	11.5	17.3





#11

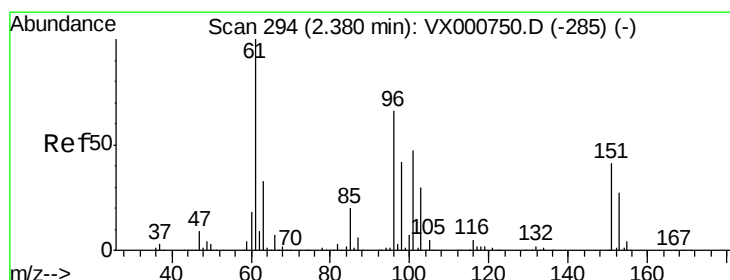
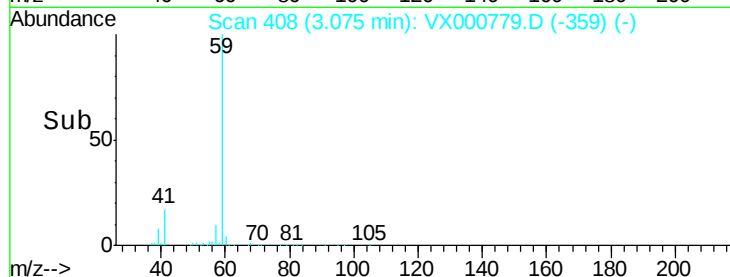
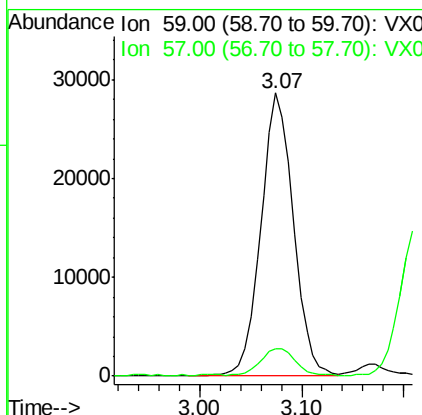
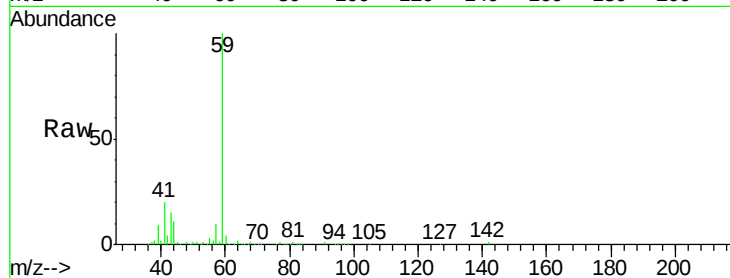
Tert butyl alcohol
Concen: 119.89 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	63607		
57	57	9.9		8.4	12.6

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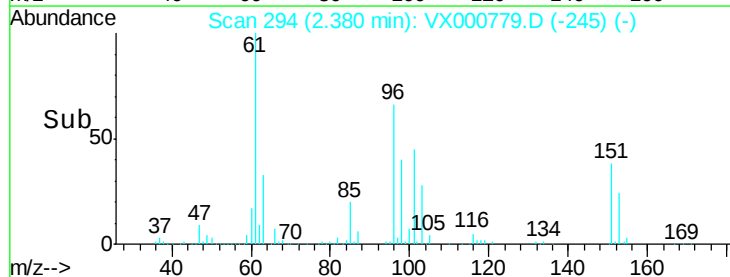
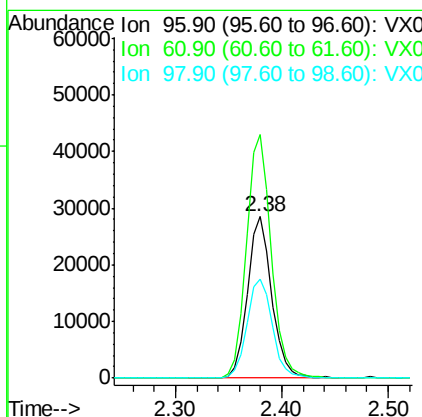
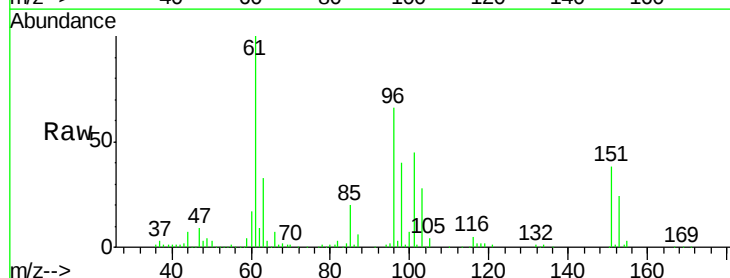
MMDadoda
4/12/2018 10:51:26 AM

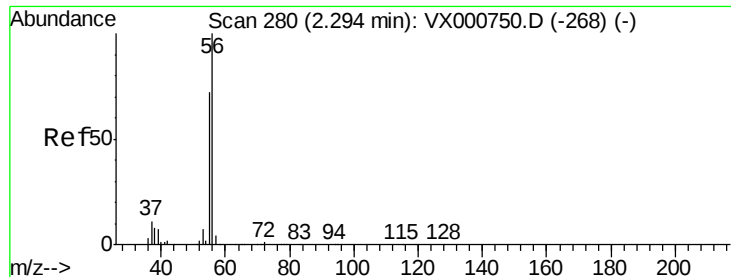


#12

1,1-Dichloroethene
Concen: 20.97 ug/l
RT: 2.38 min Scan# 294
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	45616		
61	61	150.9		120.5	180.7
98	98	61.0		50.9	76.3





#13

Acrolein

Concen: 97.09 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampled :

VX0411WBSD01

Tot Ion: 56 Resp: 25015

Ion Ratio Lower Upper

56 100

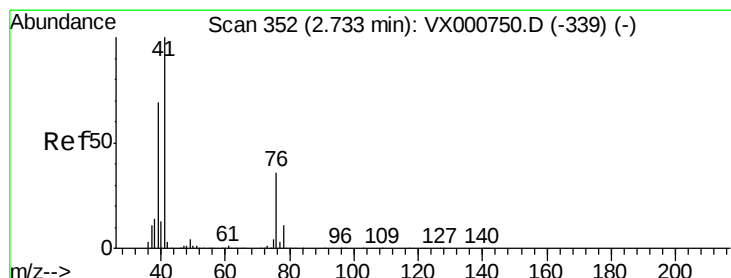
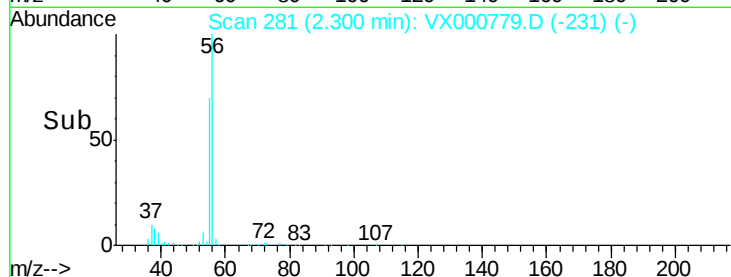
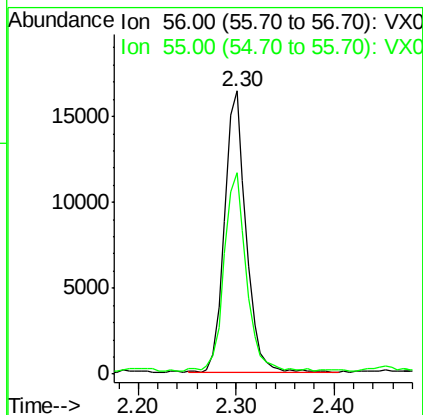
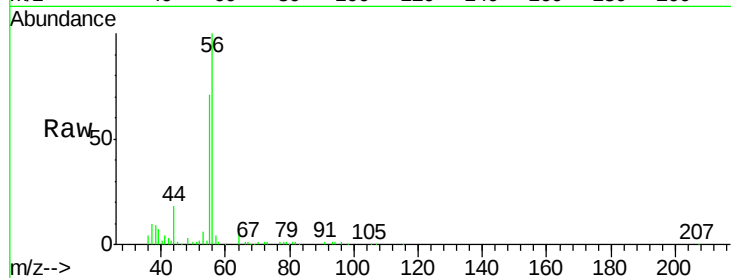
55 72.5 58.7 88.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.75 ug/l

RT: 2.73 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

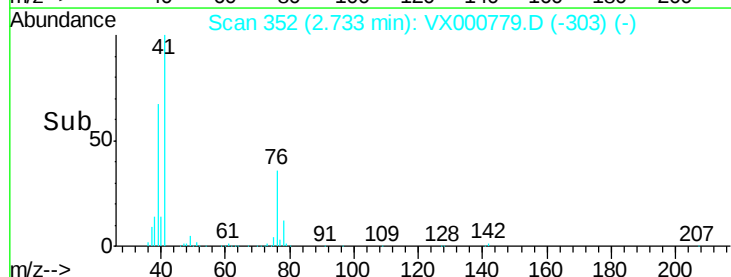
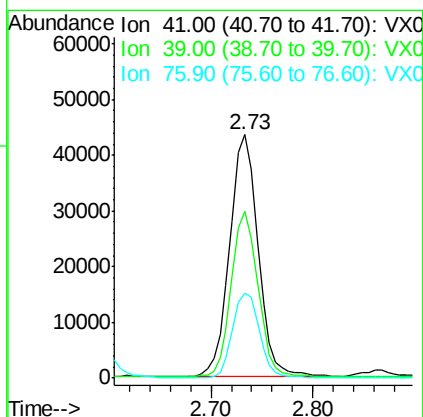
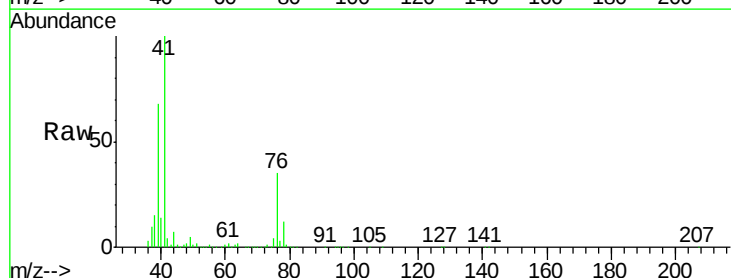
Tgt Ion: 41 Resp: 83459

Ion Ratio Lower Upper

41 100

39 64.4 51.5 77.3

76 33.2 26.5 39.7





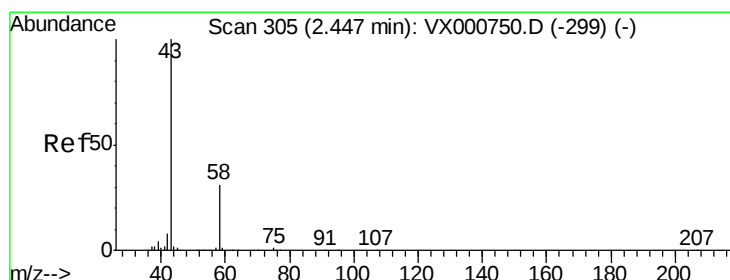
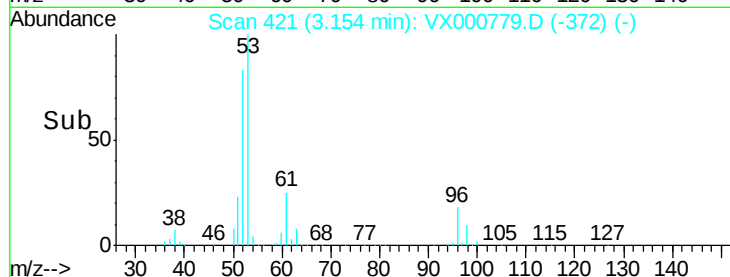
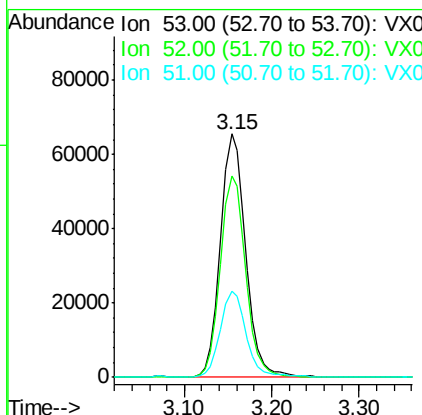
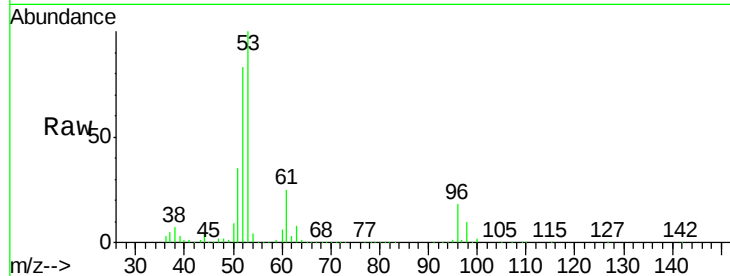
#15
 Acrylonitrile
 Concen: 115.65 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.9	28.8	43.2

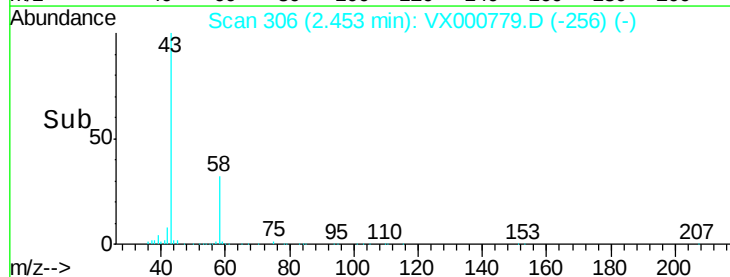
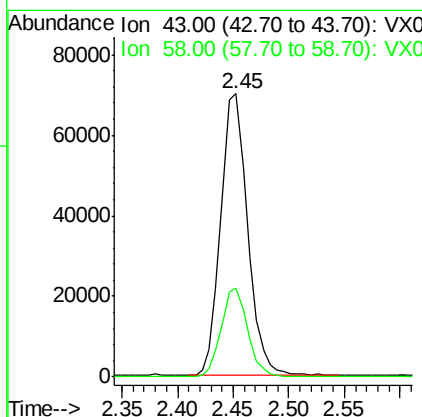
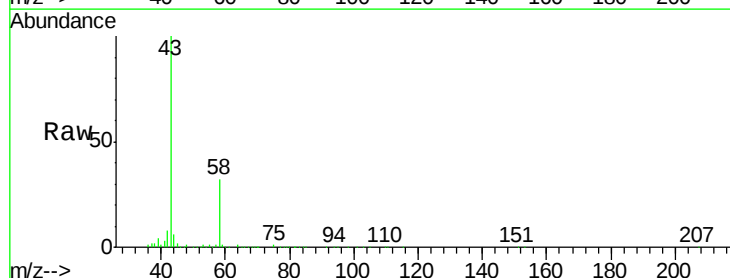
Manual Integrations
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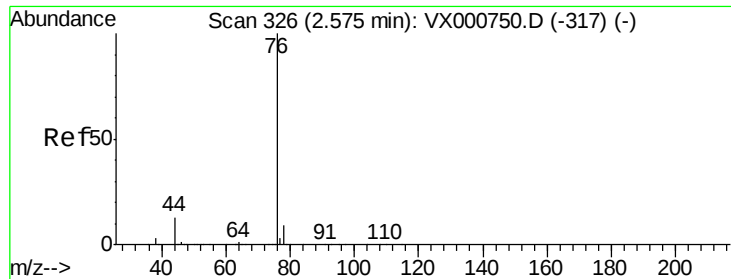
MMDadoda
 4/12/2018 10:51:26 AM



#16
 Acetone
 Concen: 113.84 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.6	37.0





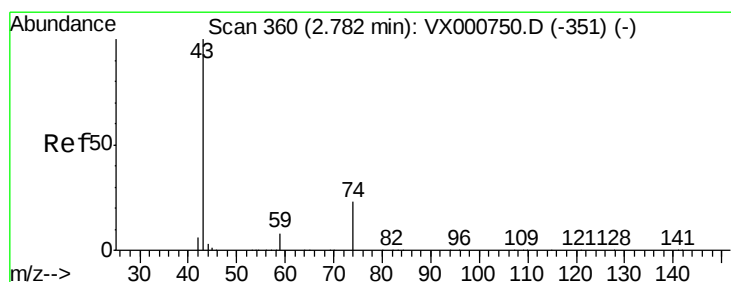
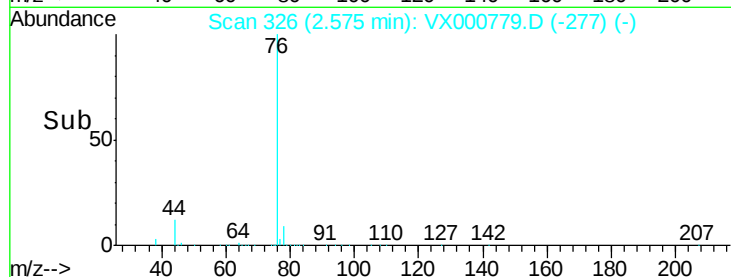
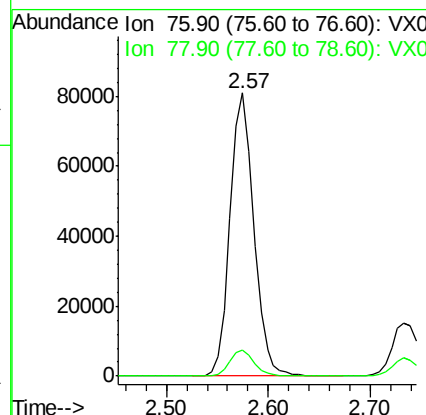
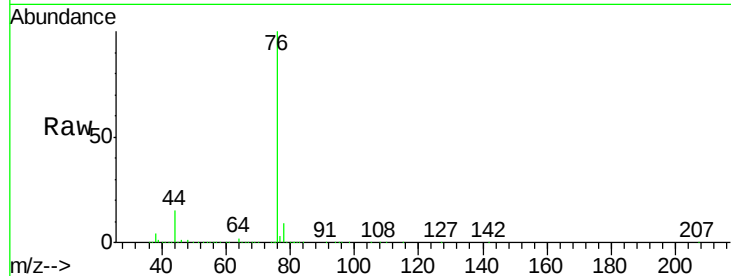
#17
Carbon Disulfide
Concen: 19.93 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

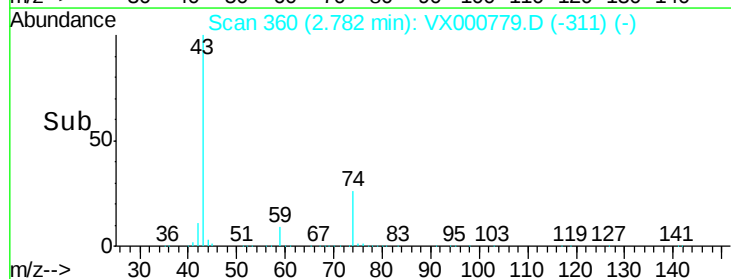
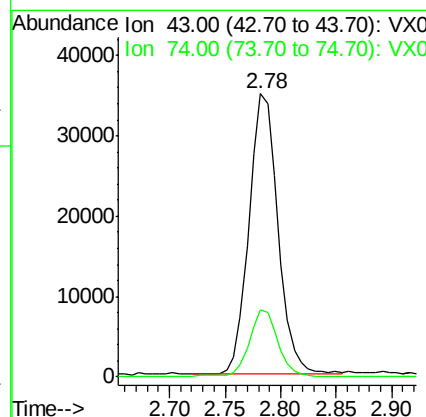
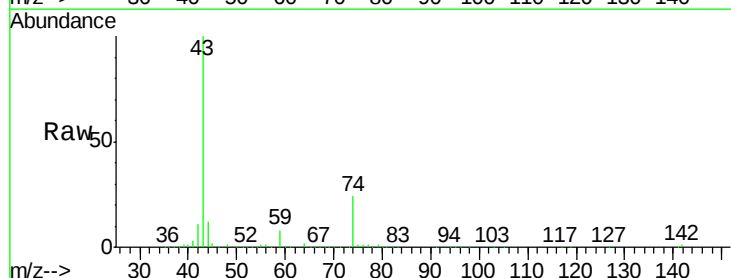
Manual Integrations
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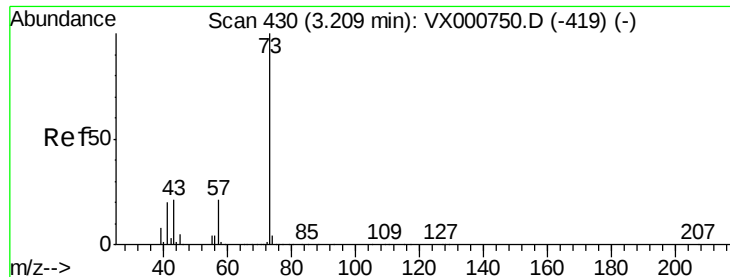
MMDadoda
4/12/2018 10:51:26 AM



#18
Methyl Acetate
Concen: 23.76 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.1	28.7





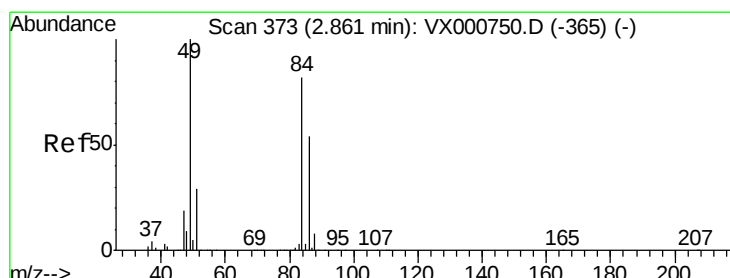
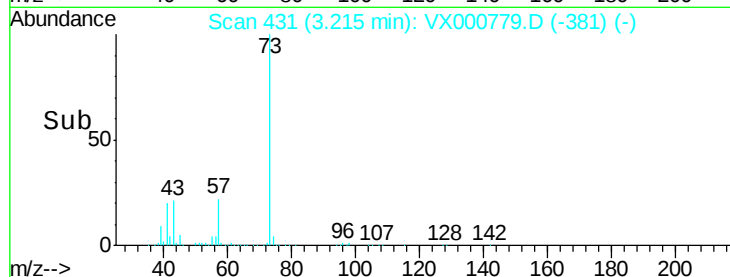
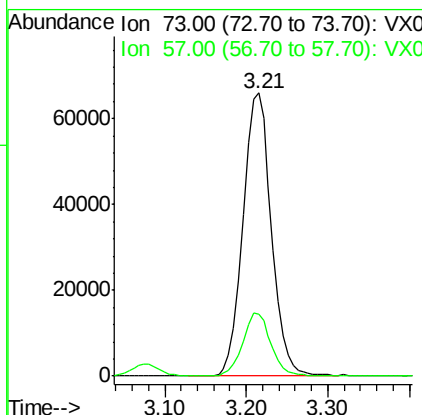
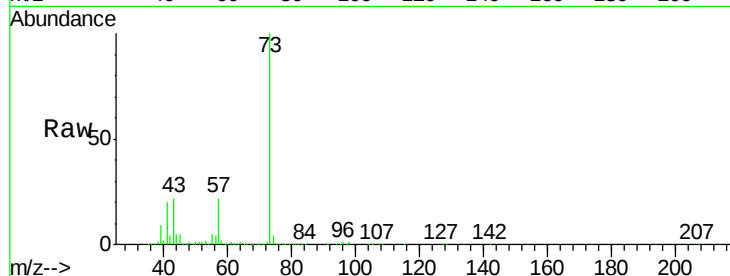
#19
Methyl tert-butyl Ether
Concen: 22.04 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.9	25.3

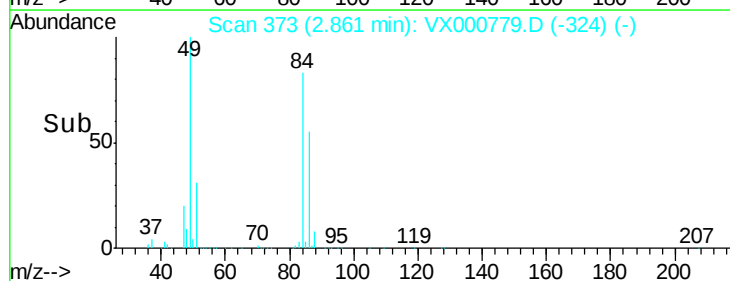
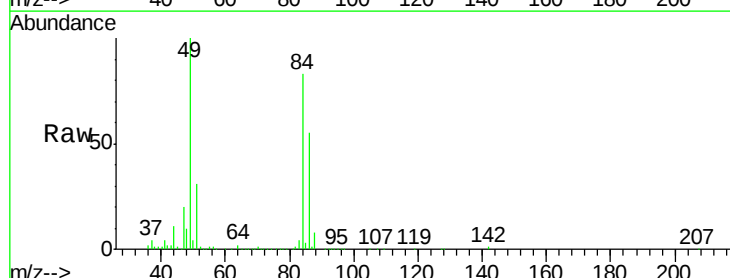
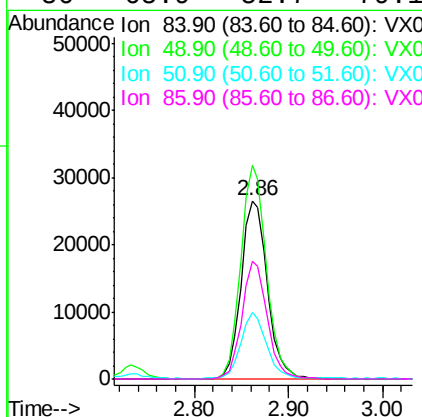
Manual Integrations
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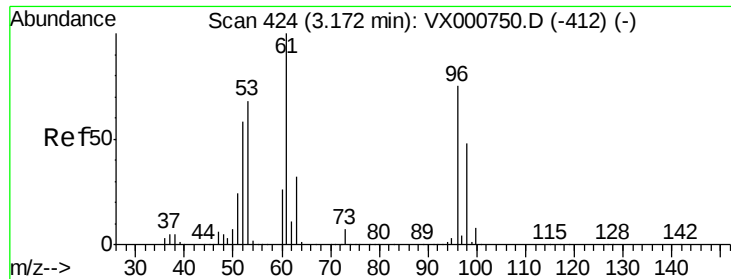
MMDadoda
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#20
Methylene Chloride
Concen: 21.63 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.0	98.1	147.1
51	36.8	28.9	43.3
86	65.9	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 20.82 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

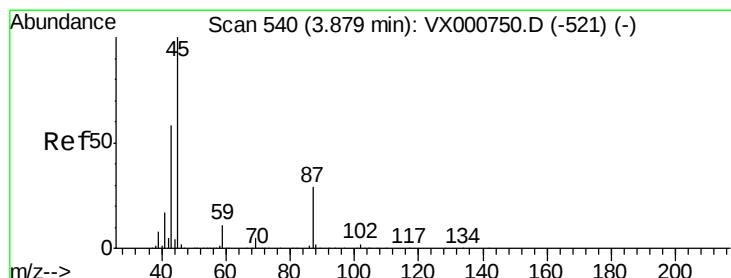
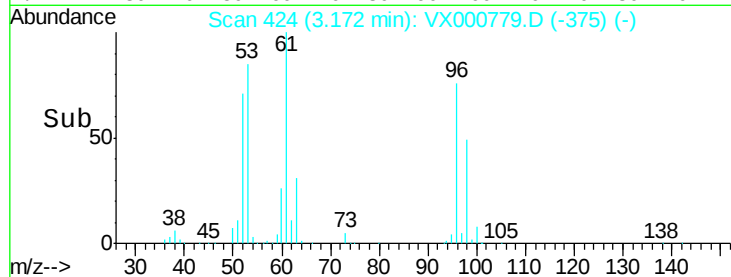
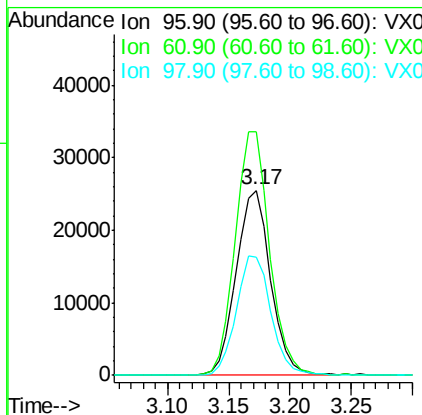
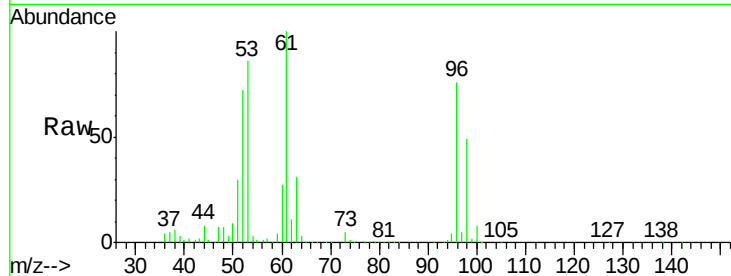
ClientSampleId :

VX0411WBSD01

Tot Ion:	96	Resp:	49940
Ion	Ratio	Lower	Upper
96	100		
61	131.8	106.2	159.2
98	64.1	51.2	76.8

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#22

Diisopropyl ether

Concen: 22.46 ug/l

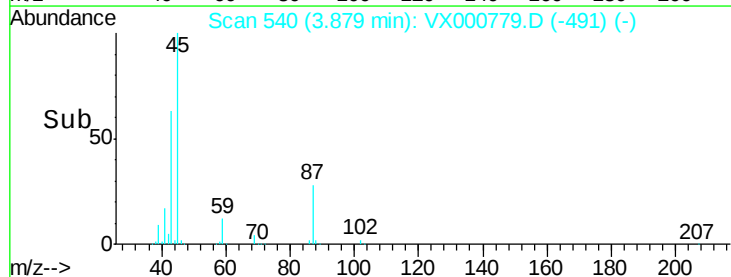
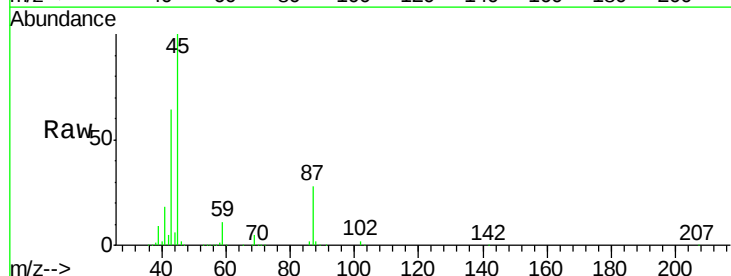
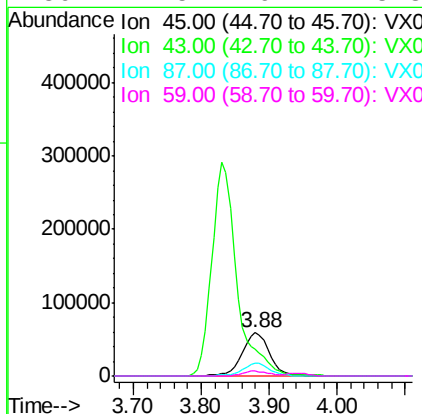
RT: 3.88 min Scan# 540

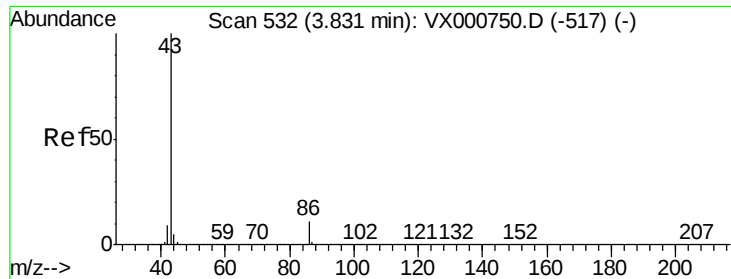
Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	45	Resp:	166020
Ion	Ratio	Lower	Upper
45	100		
43	62.4	46.6	69.8
87	28.4	22.9	34.3
59	11.5	9.2	13.8





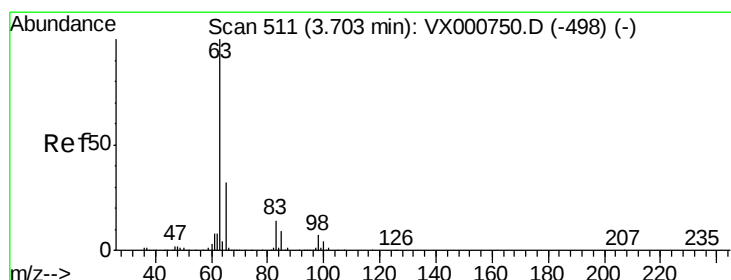
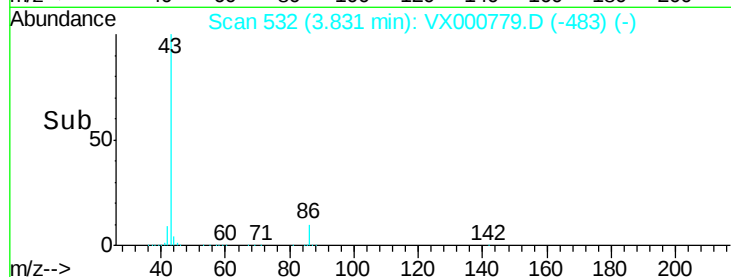
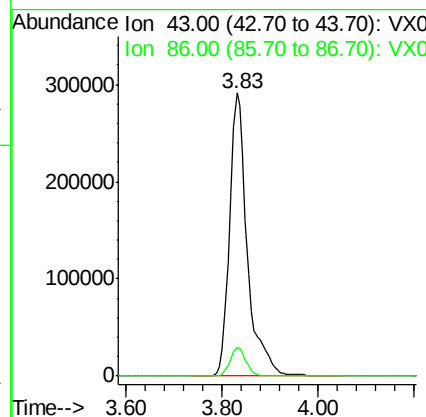
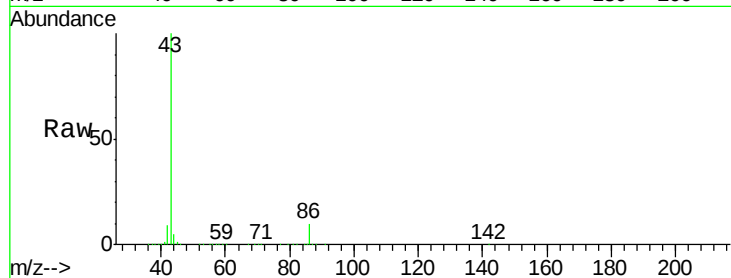
#23
 Vinyl Acetate
 Concen: 115.52 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.6	12.8

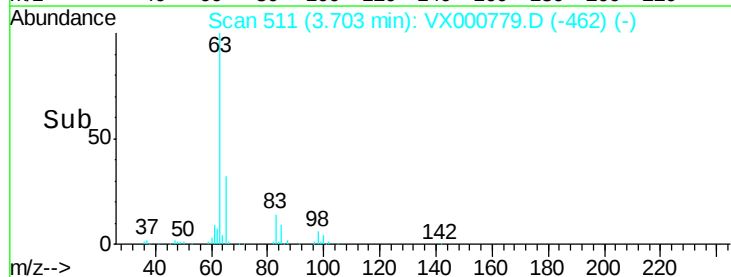
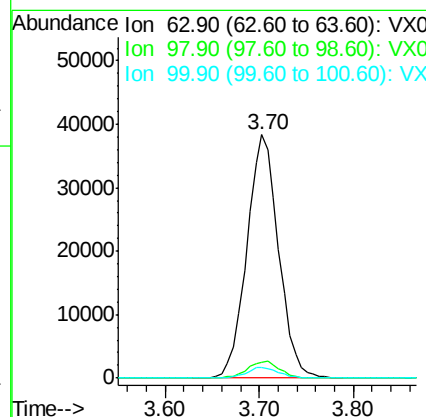
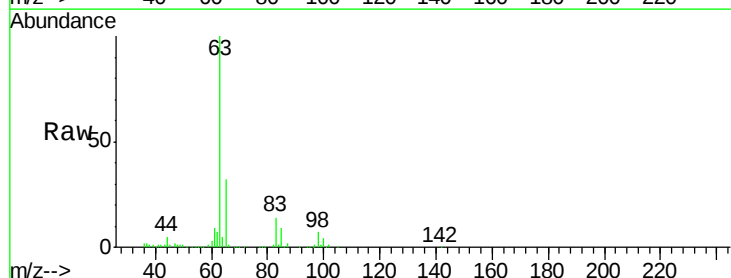
Manual Integrations
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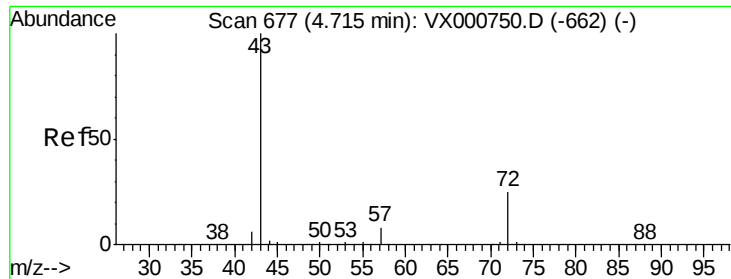
MMDadoda
 4/12/2018 10:51:26 AM



#24
 1,1-Dichloroethane
 Concen: 21.71 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.9
100	4.2	2.1	6.3





#25

2-Butanone

Concen: 115.90 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tot Ion: 43 Resp: 197223

Ion Ratio Lower Upper

43 100

72 24.3 20.3 30.5

Instrument :

MSVOA_X

ClientSampleId :

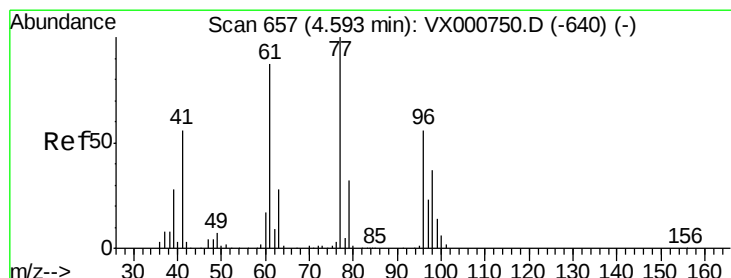
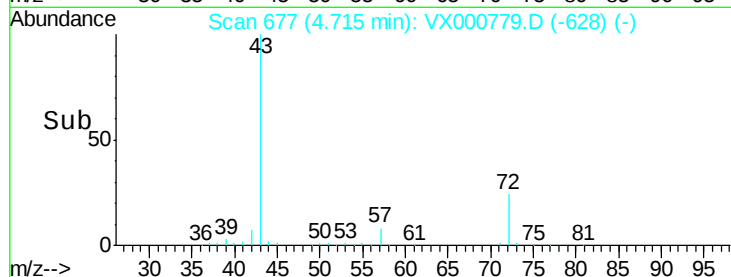
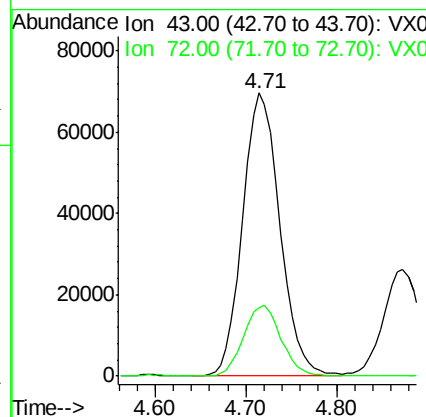
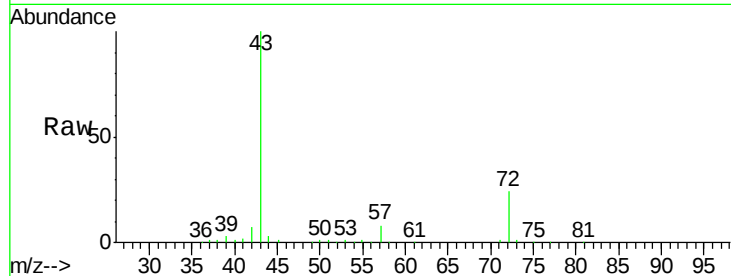
VX0411WBSD01

Manual Integrations

APPROVED

MMDadoda

4/12/2018 10:51:26 AM



#26

2,2-Dichloropropane

Concen: 20.02 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000779.D

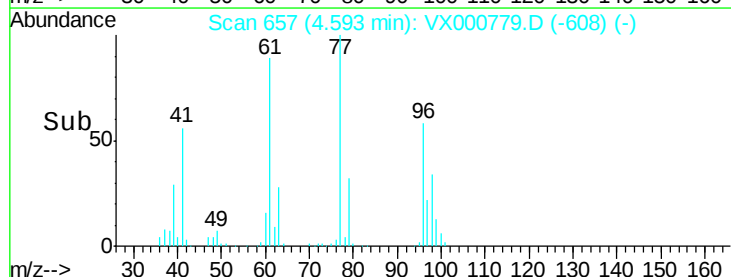
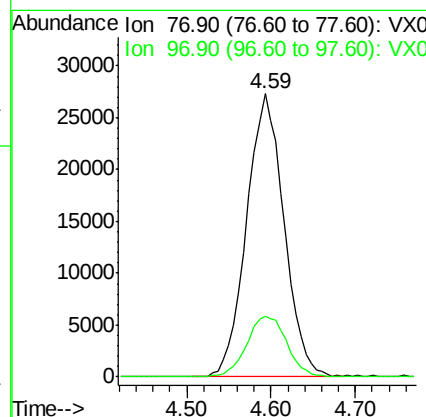
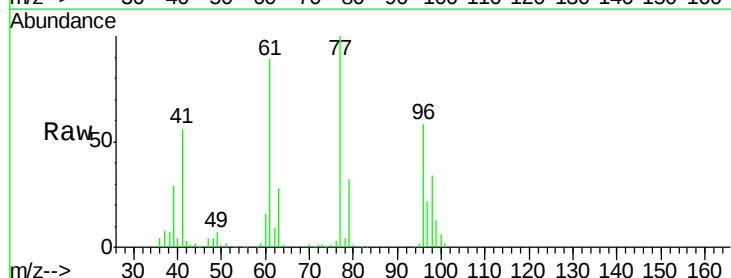
Acq: 11 Apr 2018 15:30

Tgt Ion: 77 Resp: 82396

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 21.75 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

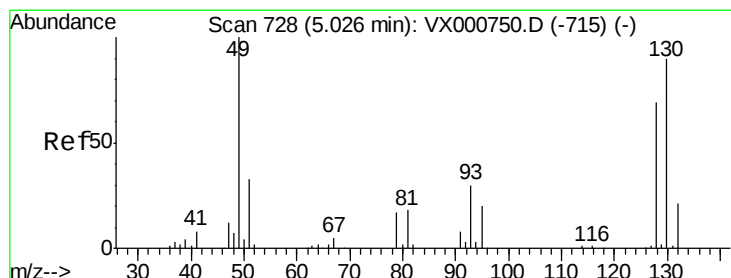
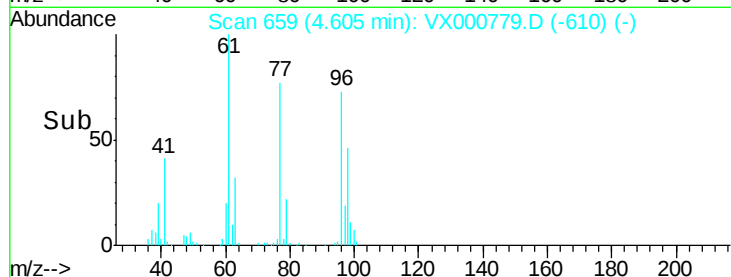
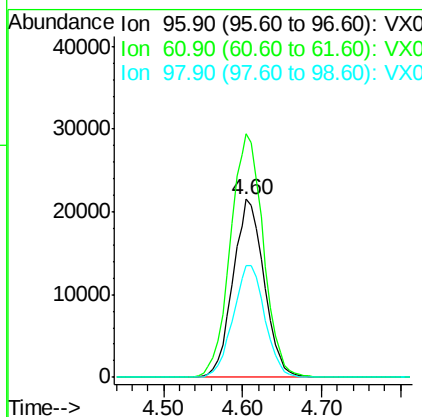
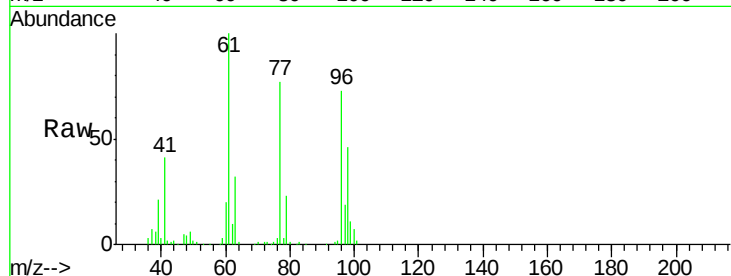
ClientSampleId :

VX0411WBSD01

Tot Ion:	96	Resp:	59216
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	292.4
98	64.2	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.43 ug/l

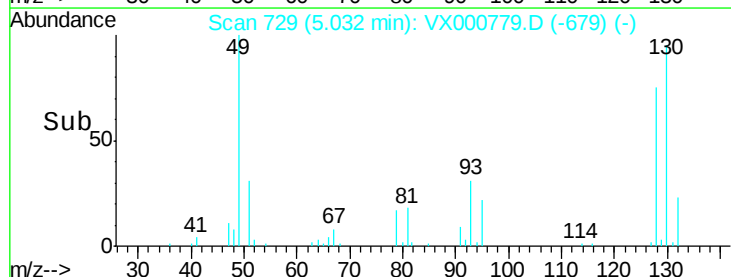
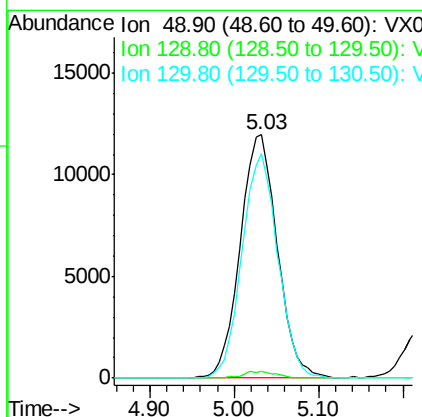
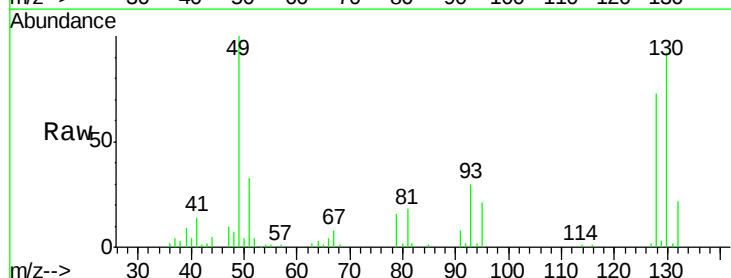
RT: 5.03 min Scan# 729

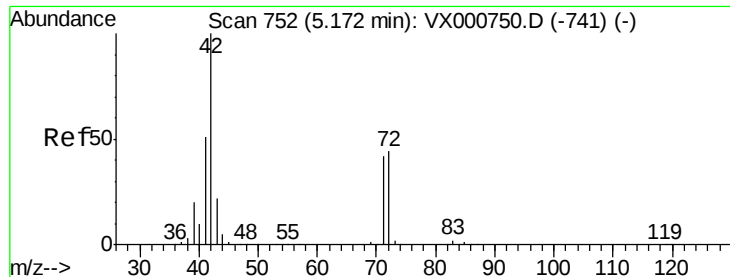
Delta R.T. 0.01 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	49	Resp:	35794
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.2
130	88.9	72.6	109.0





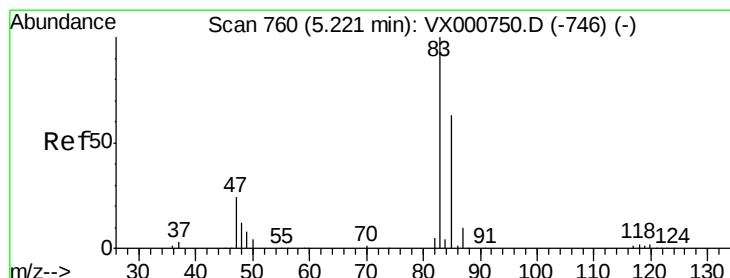
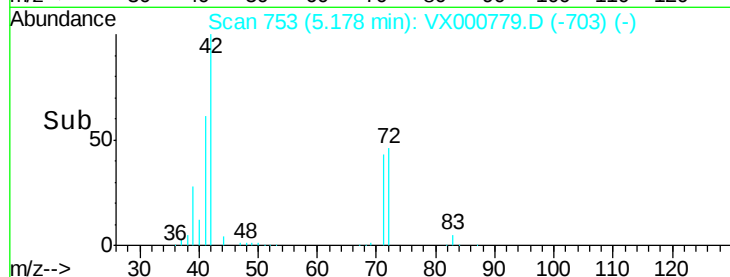
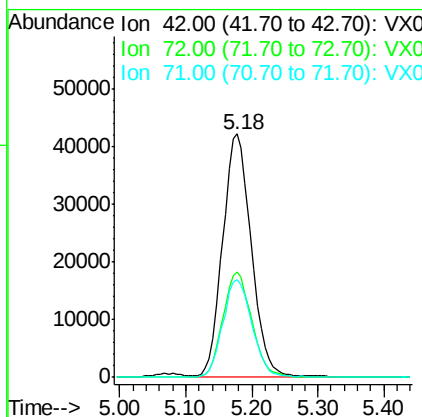
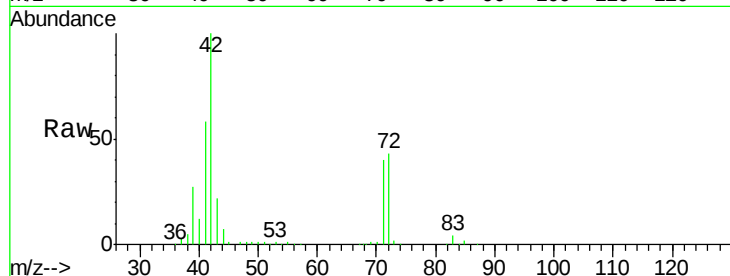
#29
Tetrahydrofuran
Concen: 116.48 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.1	52.7
71	41.1	32.8	49.2

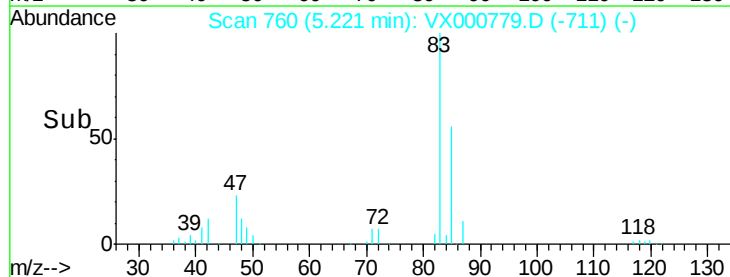
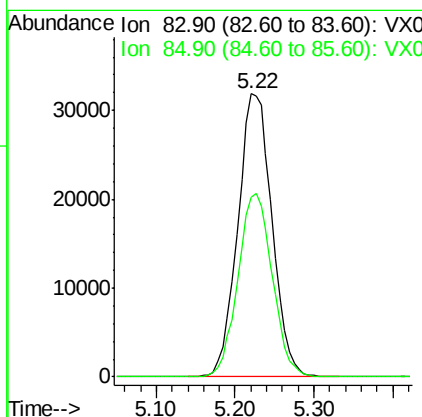
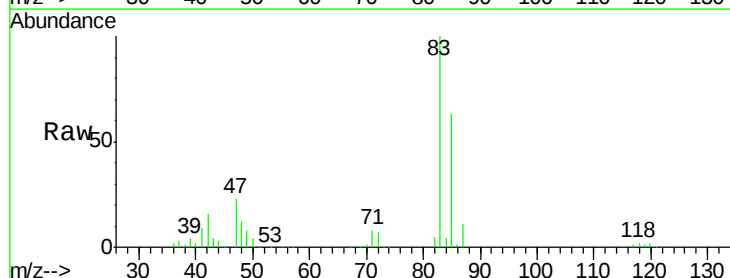
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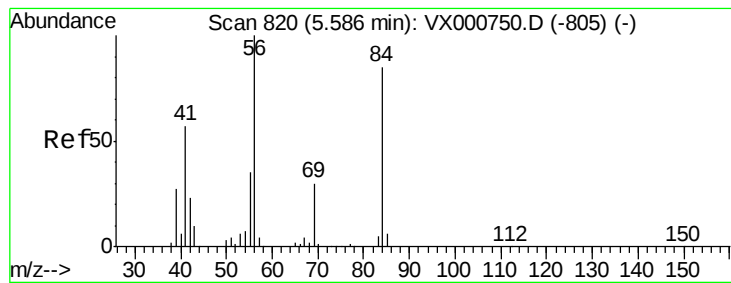
MMDadoda
4/12/2018 10:51:26 AM



#30
Chloroform
Concen: 21.89 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.7	76.1





#31

Cyclohexane

Concen: 20.39 ug/l

RT: 5.59 min Scan# 820

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

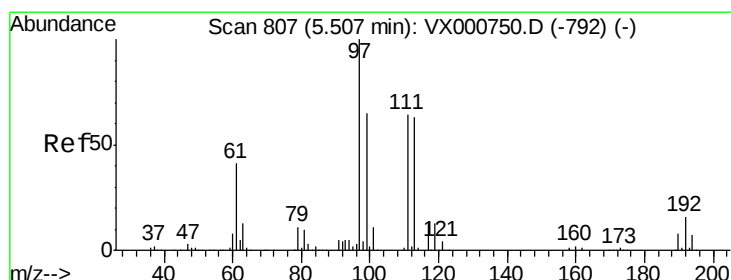
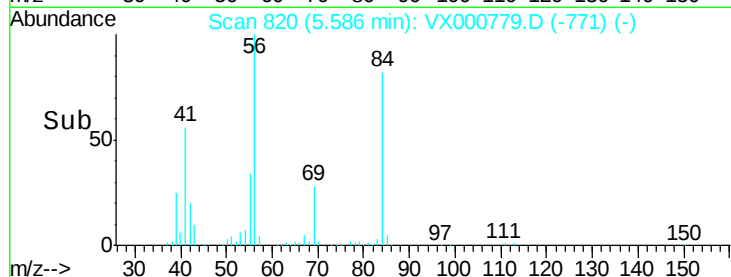
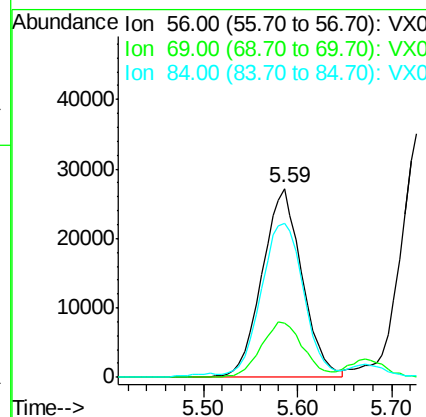
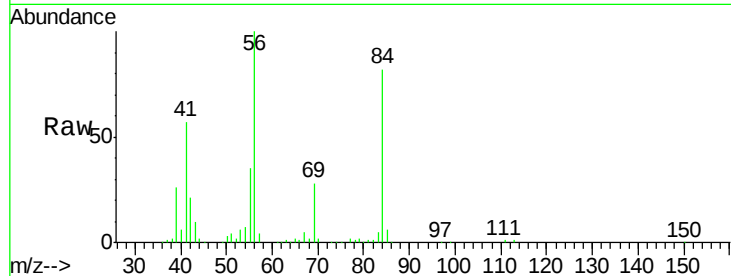
ClientSampleId :

VX0411WBSD01

Tot Ion:	56	Resp:	80324
Ion	Ratio	Lower	Upper
56	100		
69	28.5	24.2	36.4
84	80.6	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.28 ug/l

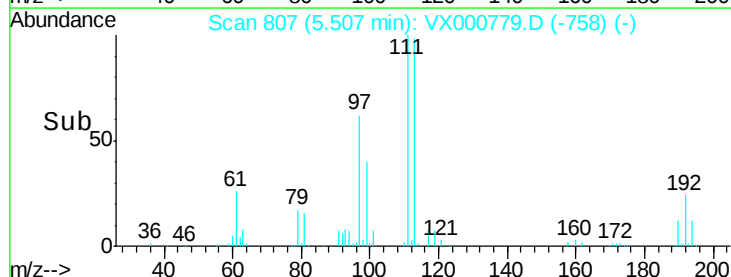
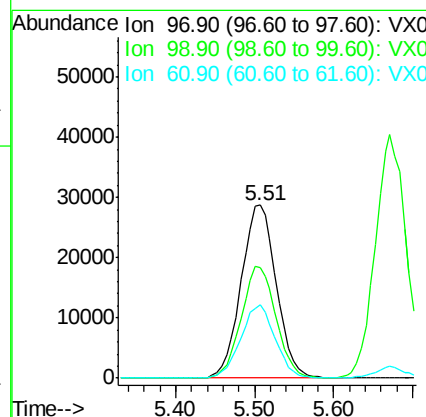
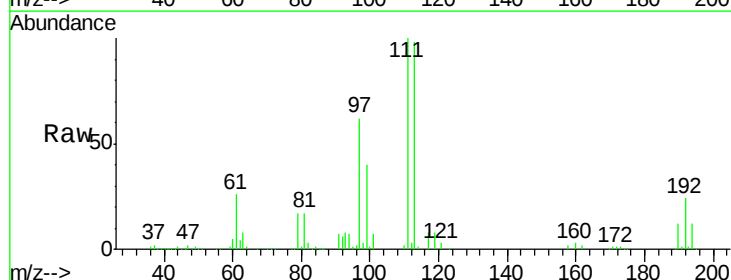
RT: 5.51 min Scan# 807

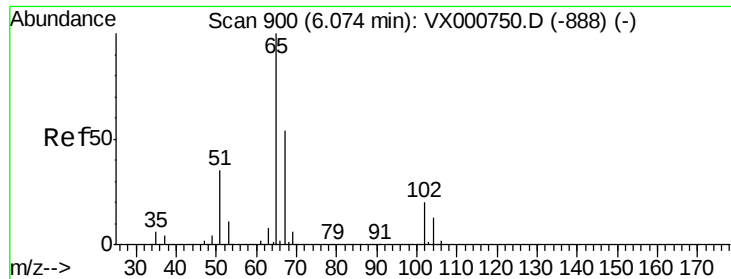
Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	97	Resp:	89030
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	41.4	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 52.96 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampled :

VX0411WBSD01

Tot Ion: 65 Resp: 158245

Ion Ratio Lower Upper

65 100

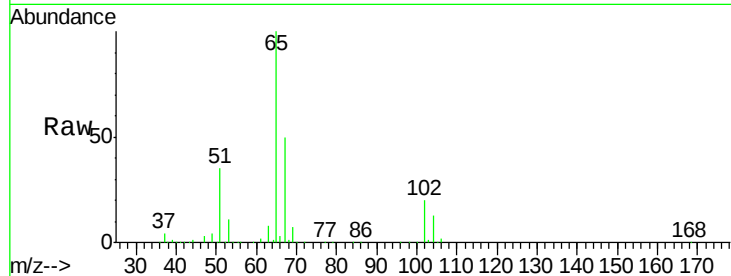
67 51.6 0.0 103.8

Manual Integrations

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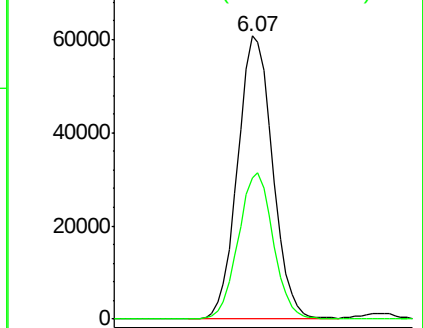
MMDadoda

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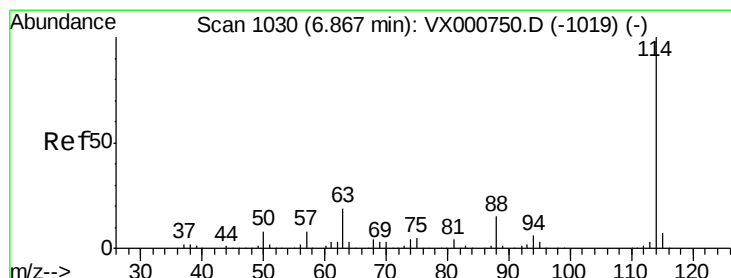
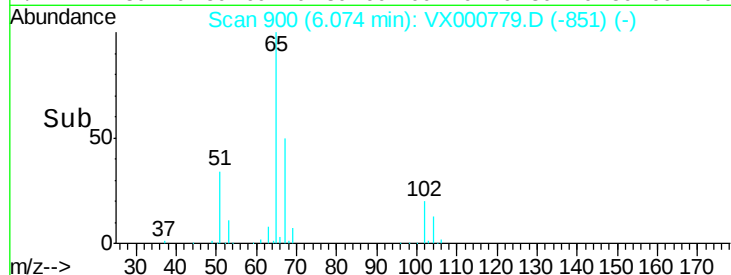


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

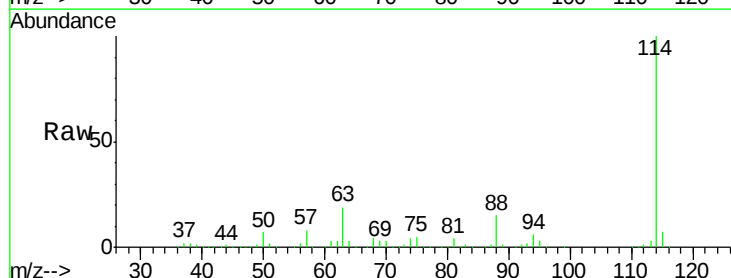
Tgt Ion: 114 Resp: 329989

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

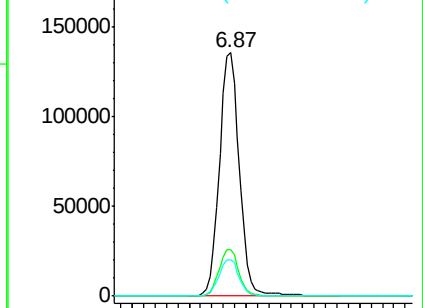
88 15.1 0.0 31.0



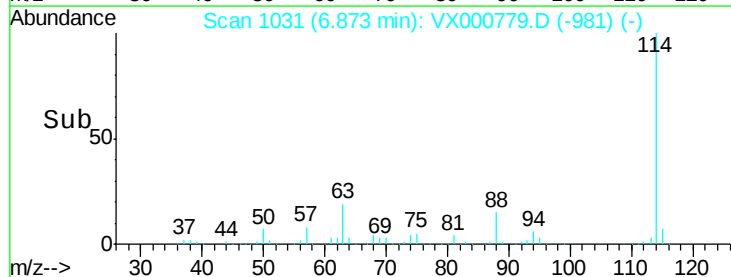
Abundance Ion 113.90 (113.60 to 114.60): V

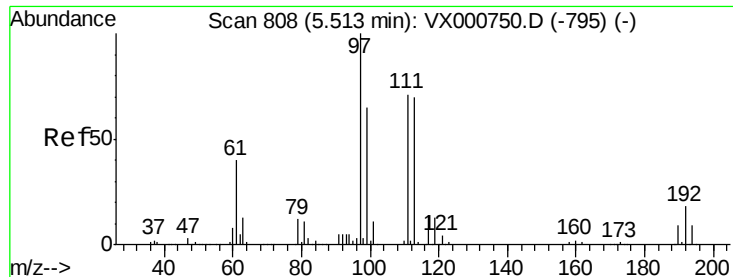
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



Time-->





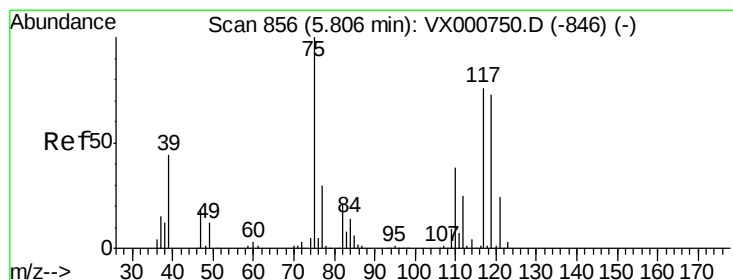
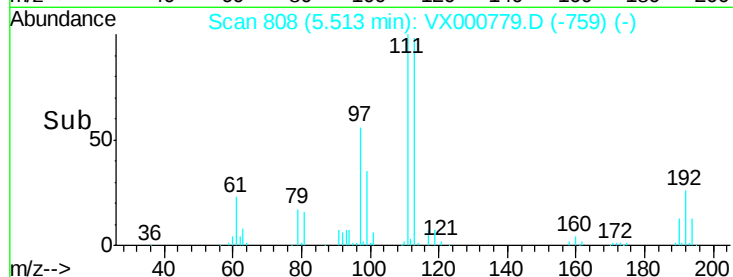
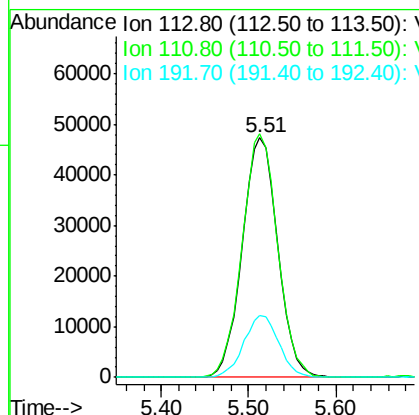
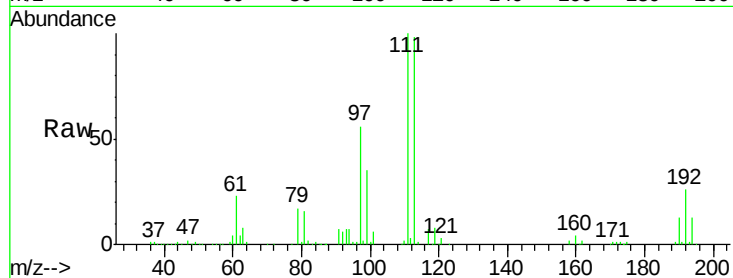
#35
 Dibromofluoromethane
 Concen: 52.58 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133668		
111	101.6	81.5	122.3	
192	25.7	20.4	30.6	

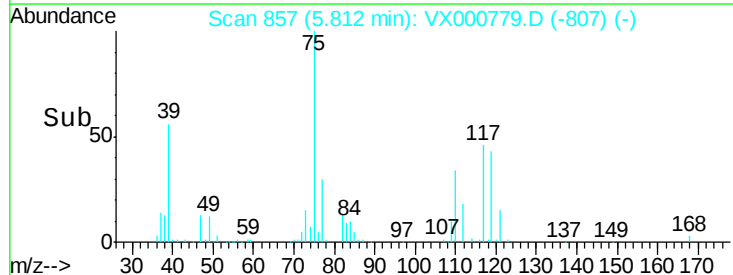
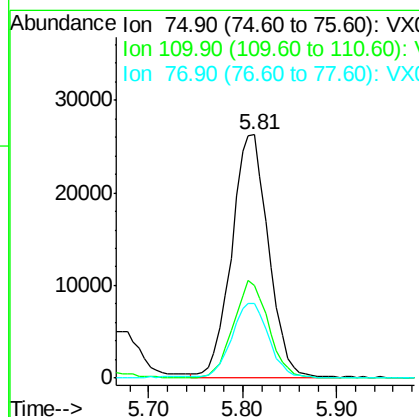
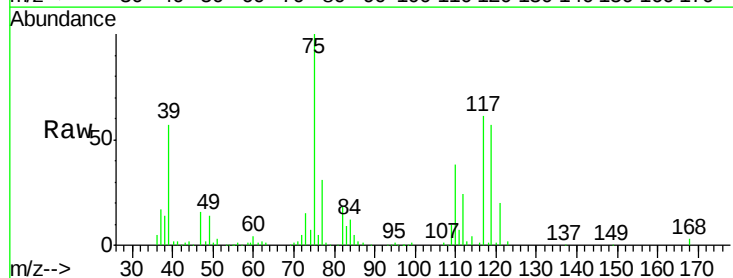
Manual Integrations
 APPROVED

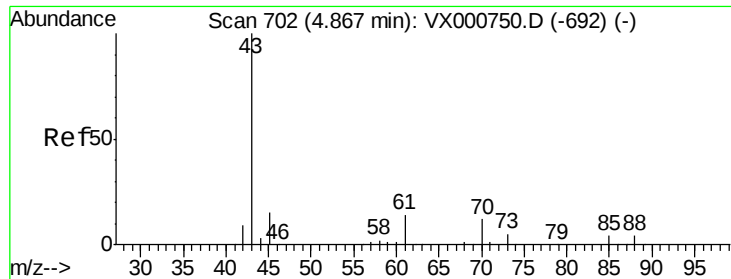
MMDadoda
 4/12/2018 10:51:26 AM



#36
 1,1-Dichloropropene
 Concen: 19.64 ug/l
 RT: 5.81 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71371		
110	38.3	19.2	57.6	
77	30.7	25.4	38.2	





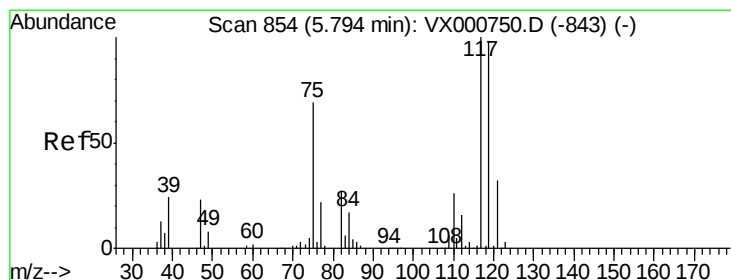
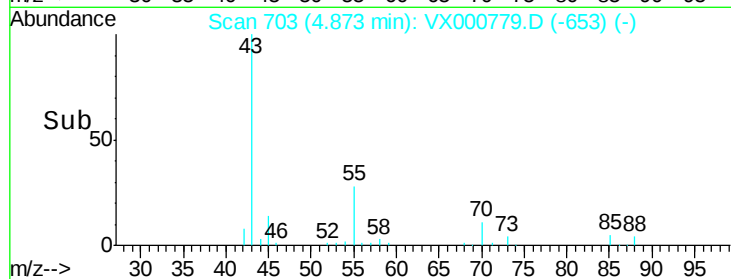
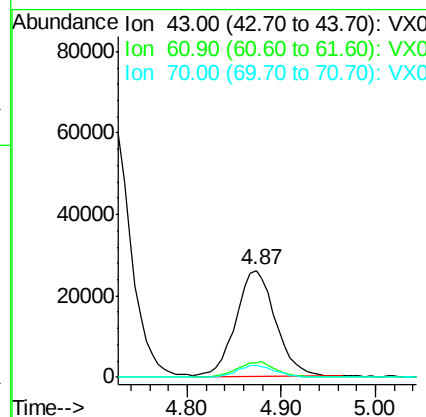
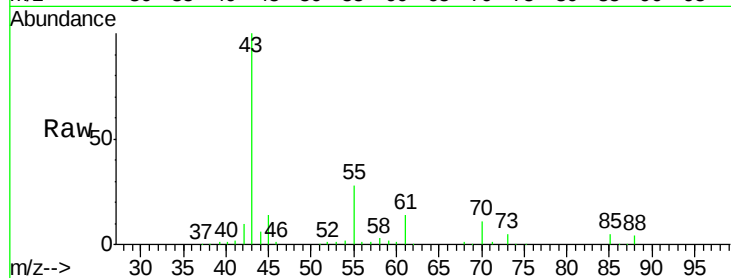
#37
Ethyl Acetate
Concen: 21.50 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	11.0	8.7	13.1

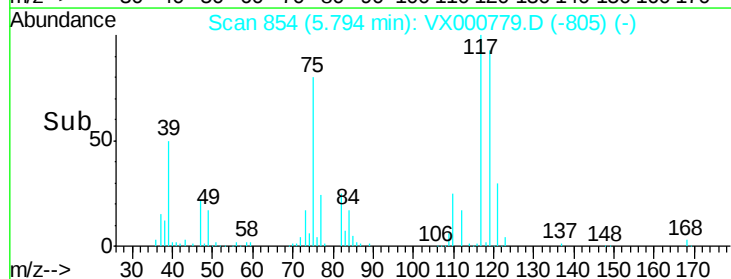
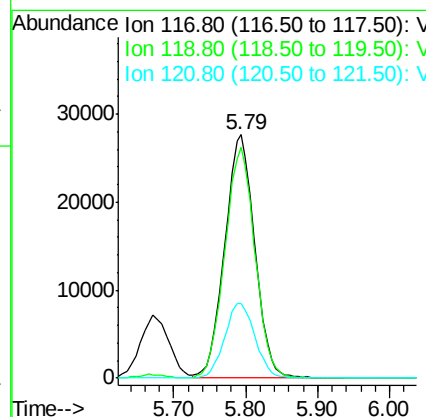
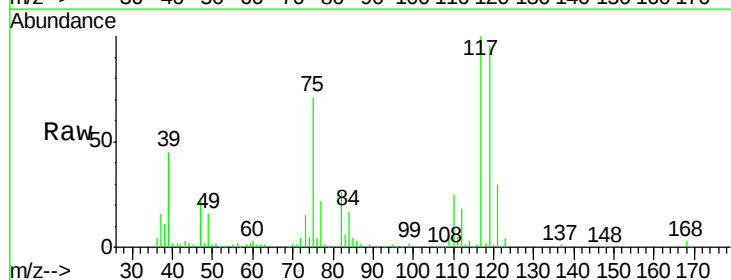
Manual Integrations
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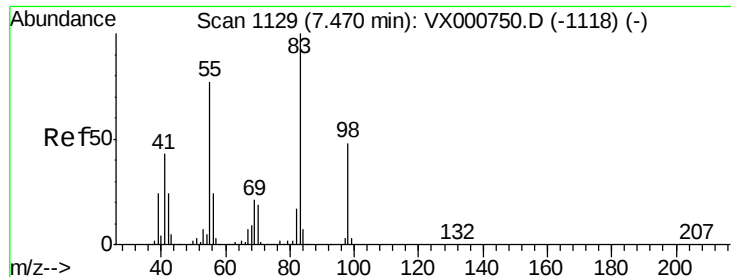
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#38
Carbon Tetrachloride
Concen: 19.73 ug/l
RT: 5.79 min Scan# 854
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.4	117.6
121	30.5	25.4	38.0





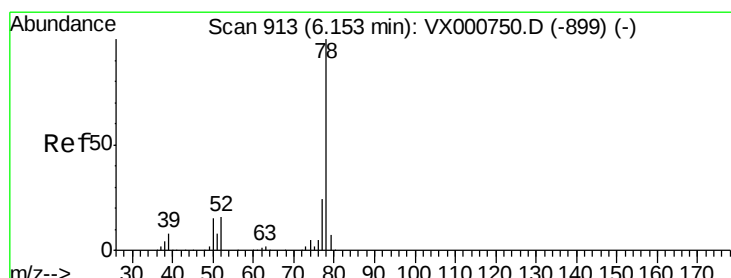
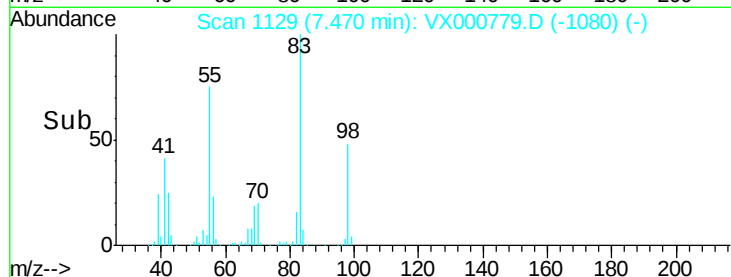
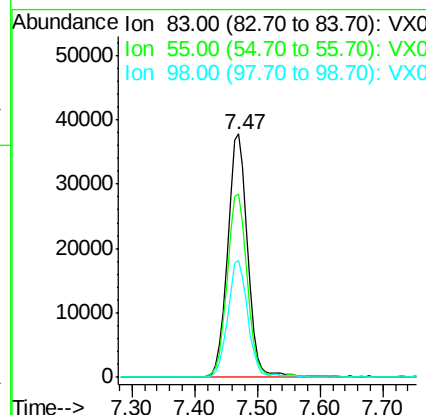
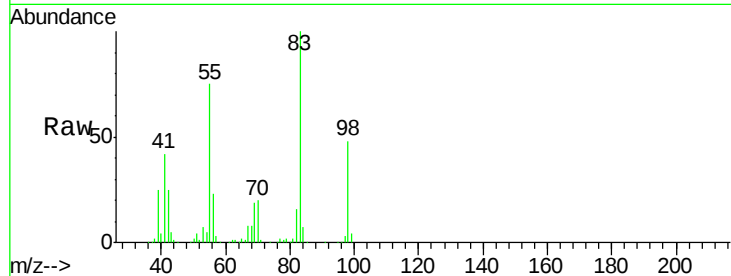
#39
Methylvlcyclohexane
Concen: 19.18 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.5	92.3
98	47.8	38.1	57.1

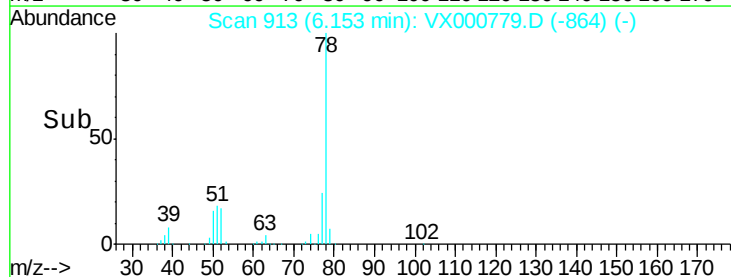
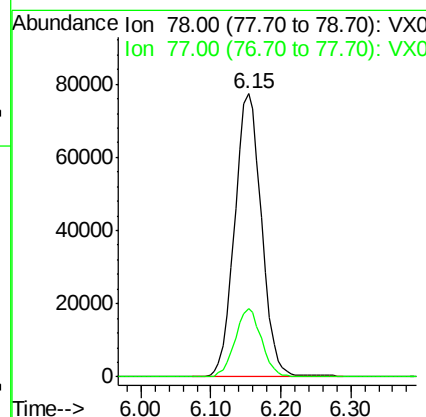
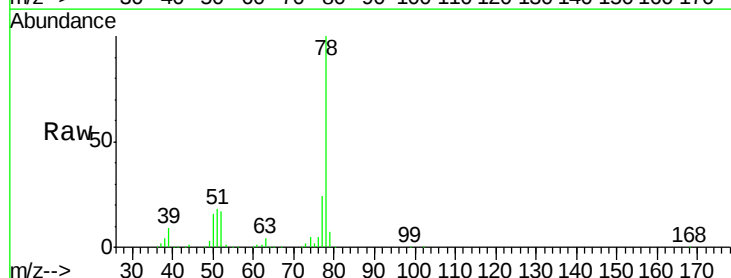
Manual Integrations
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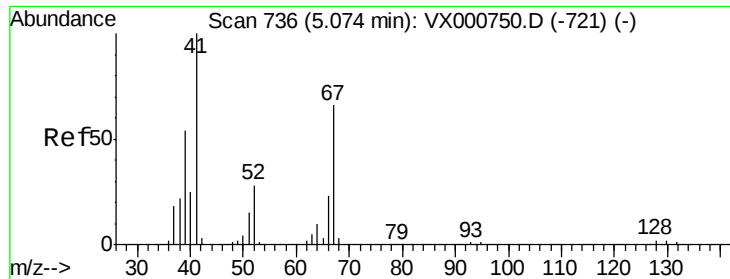
MMDadoda
4/12/2018 10:51:26 AM



#40
Benzene
Concen: 20.48 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





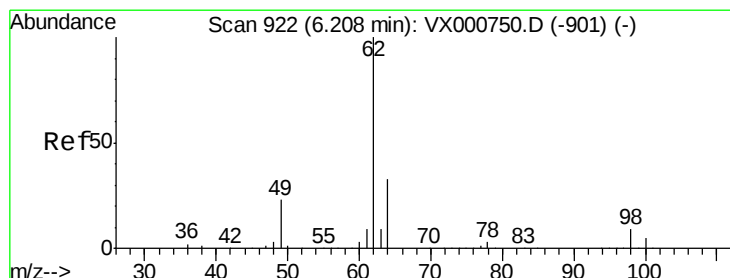
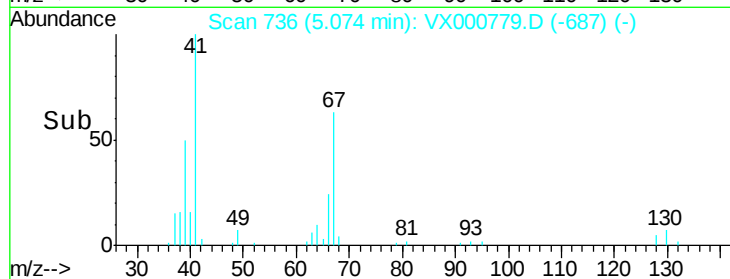
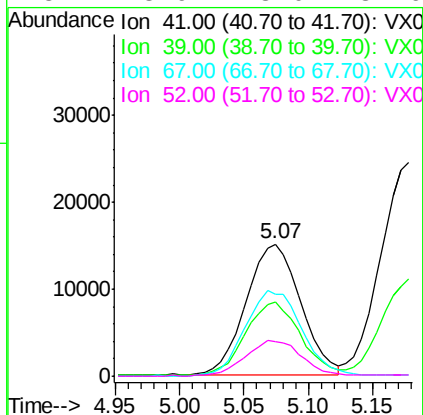
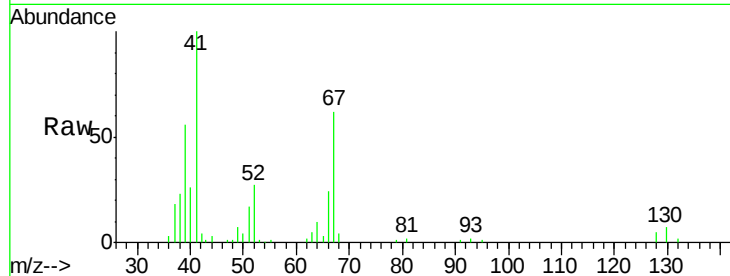
#41
Methacrylonitrile
Concen: 21.54 ug/l
RT: 5.07 min Scan# 736
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	44.9	67.3	
67	68.4	54.7	82.1	
52	28.9	23.0	34.6	

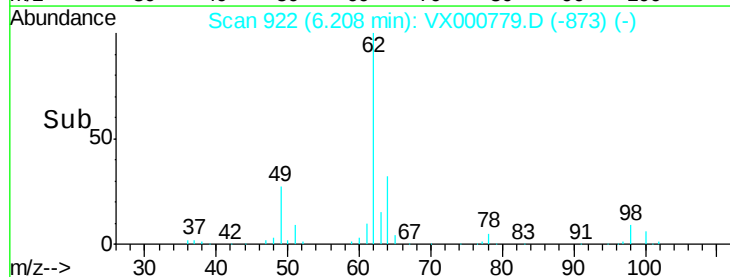
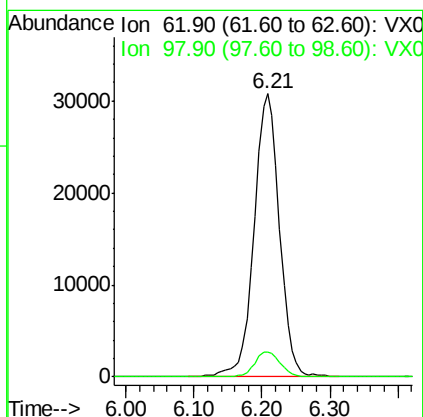
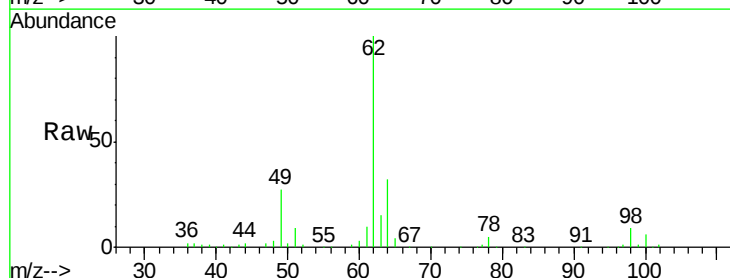
Manual Integrations
APPROVED

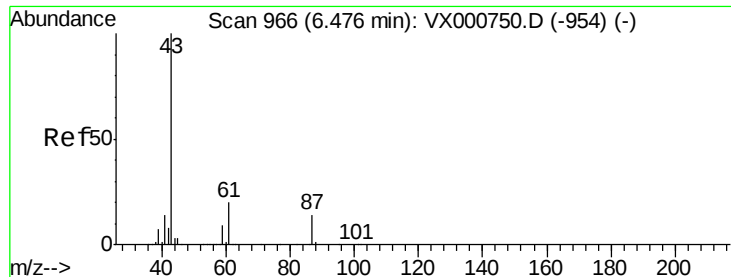
MMDadoda
4/12/2018 10:51:26 AM



#42
1,2-Dichloroethane
Concen: 21.28 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.6	





#43

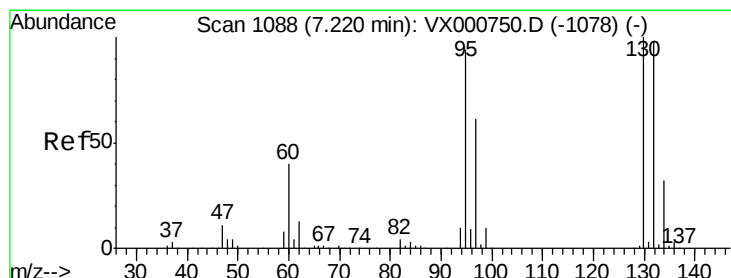
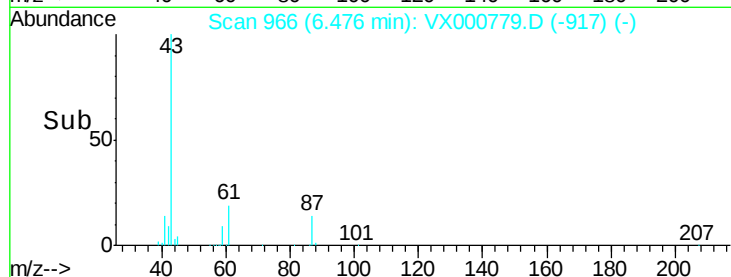
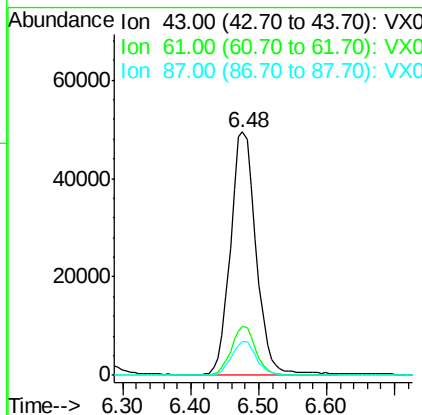
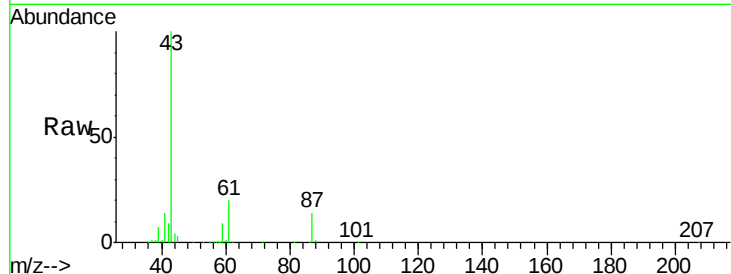
Isopropyl Acetate
 Concen: 21.19 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.6	23.4
87	13.5	10.7	16.1

Manual Integrations
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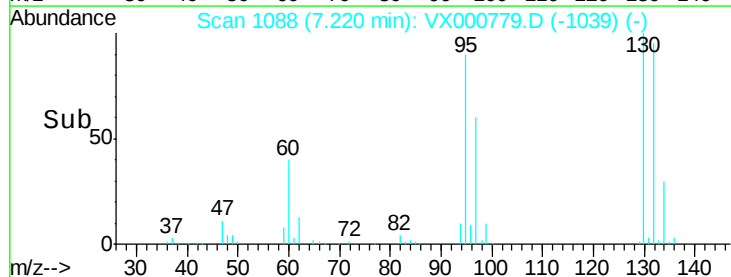
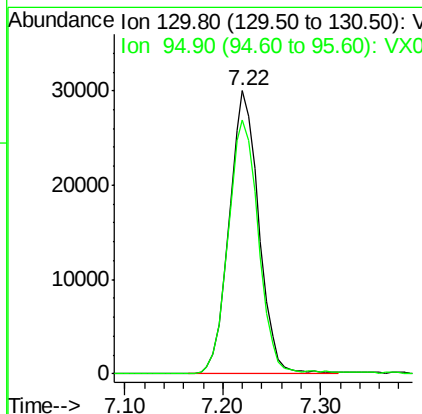
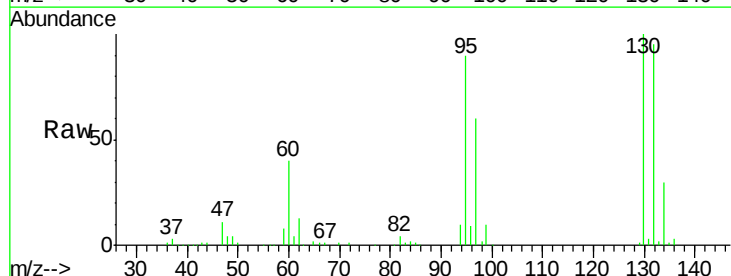
MMDadoda
 4/12/2018 10:51:26 AM

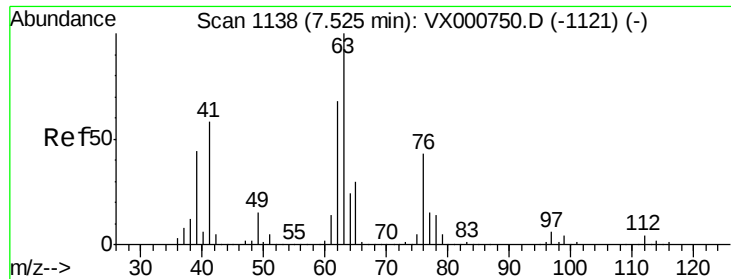


#44

Trichloroethene
 Concen: 20.07 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	187.0





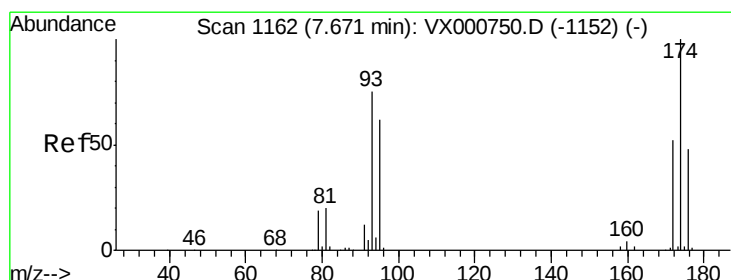
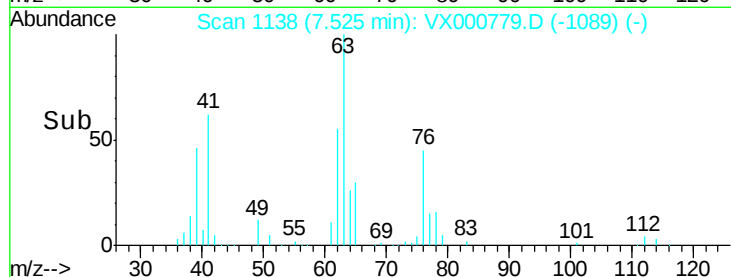
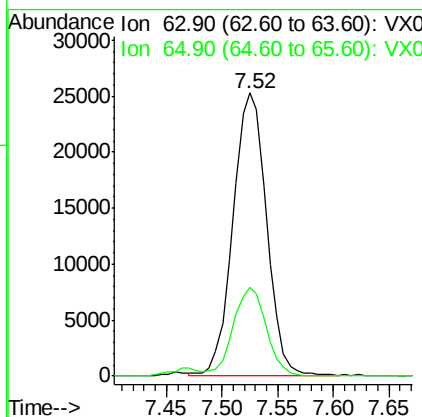
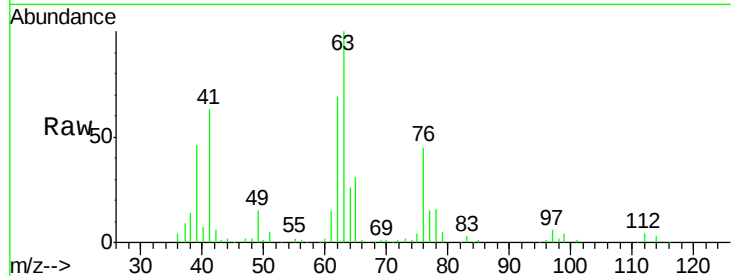
#45
 1,2-Dichloropropane
 Concen: 20.29 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion: 63 Resp: 52172
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.7 35.5

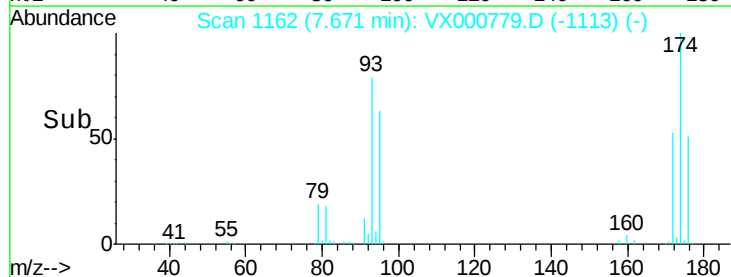
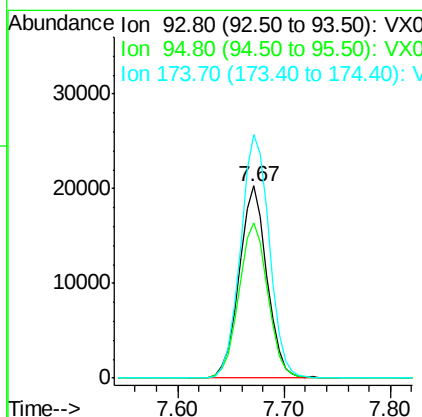
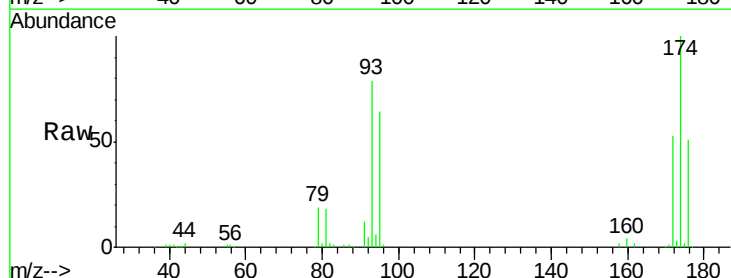
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#46
 Dibromomethane
 Concen: 20.79 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion: 93 Resp: 37269
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 131.2 104.5 156.7





#47

Bromodichloromethane

Concen: 20.43 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

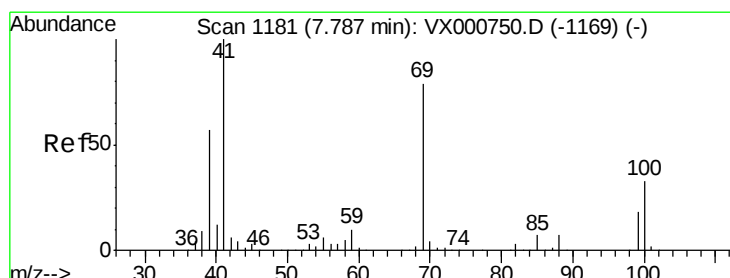
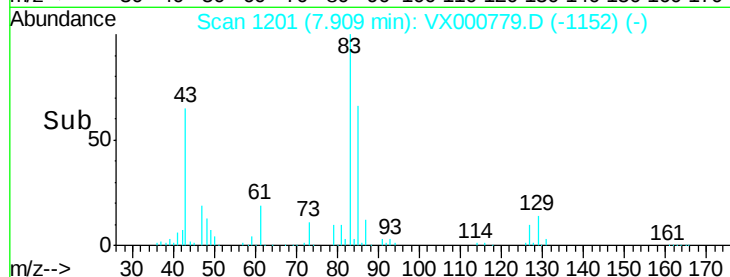
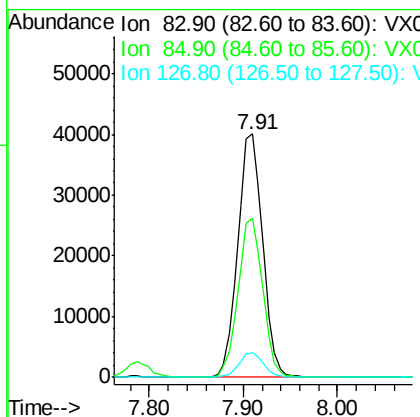
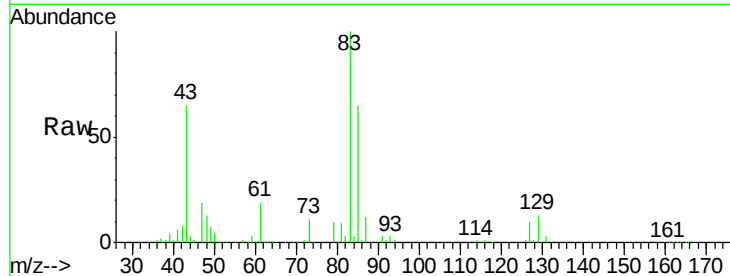
ClientSampleId :

VX0411WBSD01

Tot Ion:	83	Resp:	73912
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4
127	10.3	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.49 ug/l

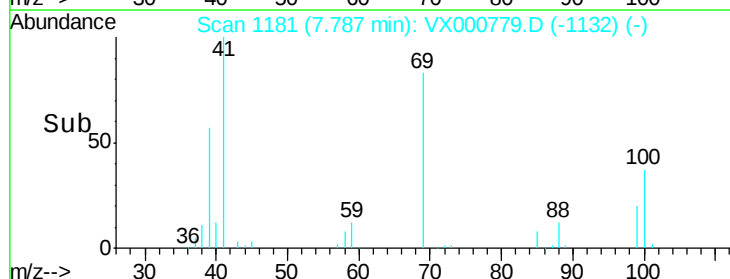
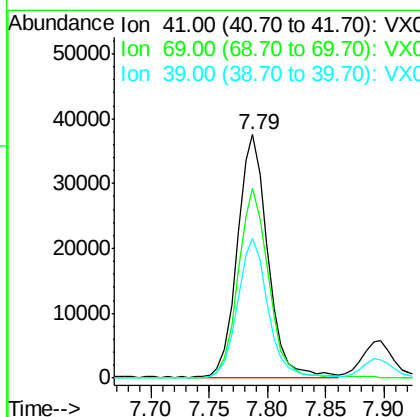
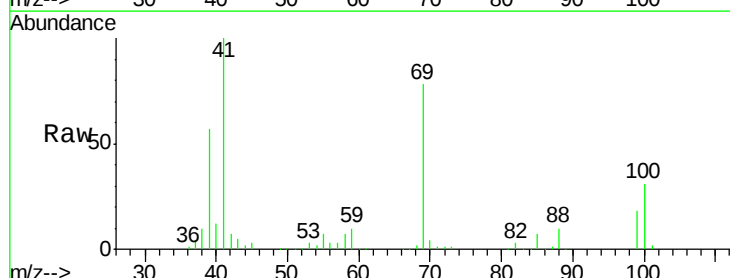
RT: 7.79 min Scan# 1181

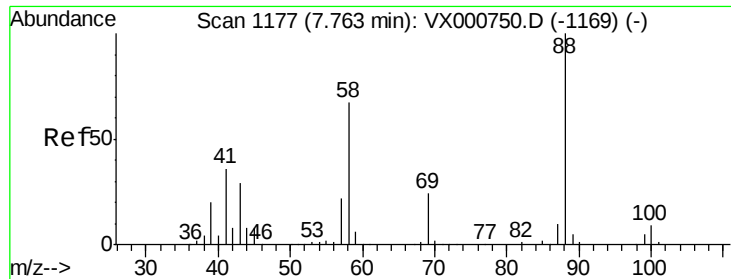
Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	41	Resp:	67761
Ion	Ratio	Lower	Upper
41	100		
69	78.9	63.9	95.9
39	57.4	45.9	68.9





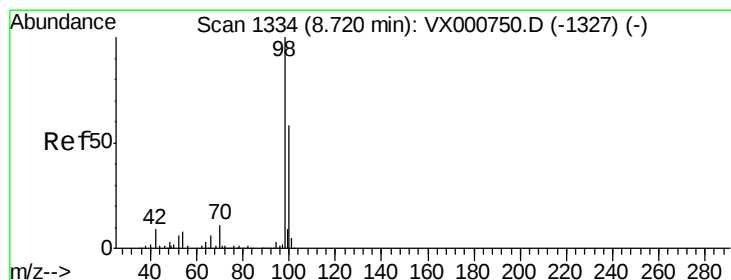
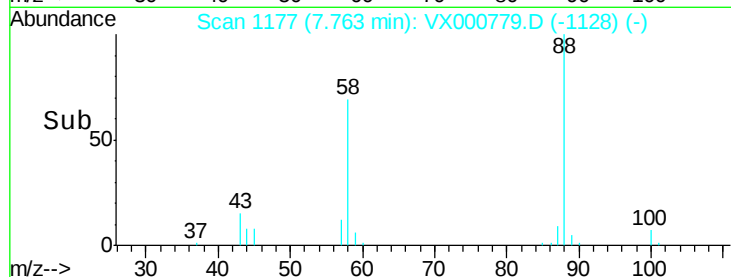
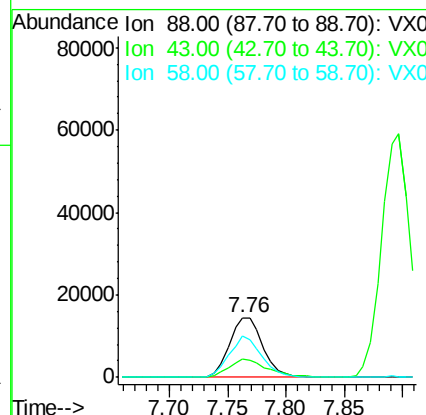
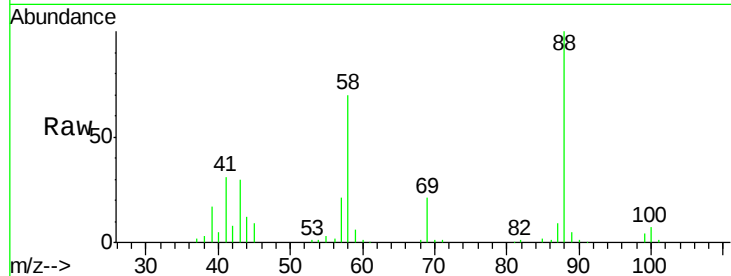
#49
1,4-Dioxane
Concen: 456.59 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.8	38.8
58	67.9	54.4	81.6

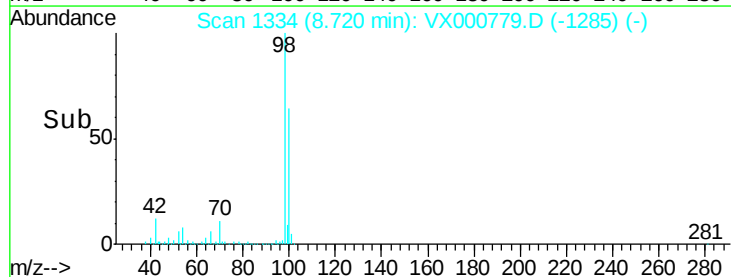
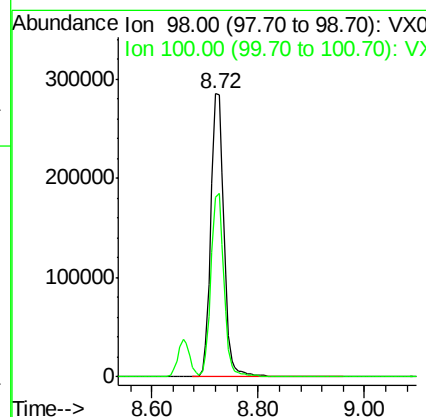
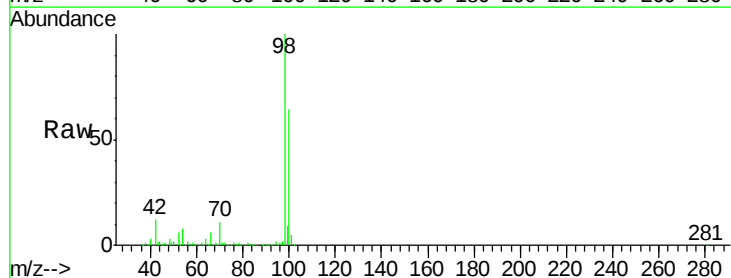
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#50
Toluene-d8
Concen: 50.72 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 110.08 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion: 43 Resp: 393302

Ion Ratio Lower Upper

43 100

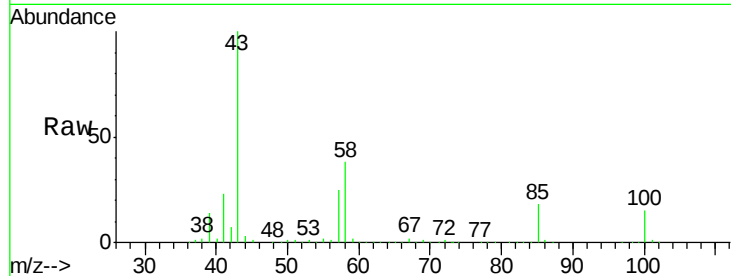
58 37.4 30.3 45.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

250000

200000

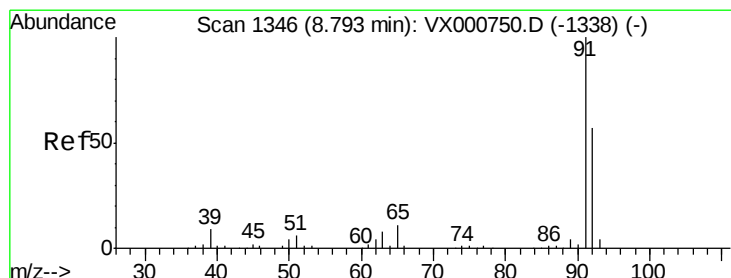
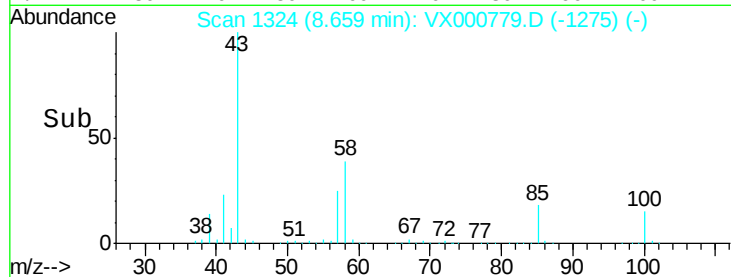
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.32 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX000779.D

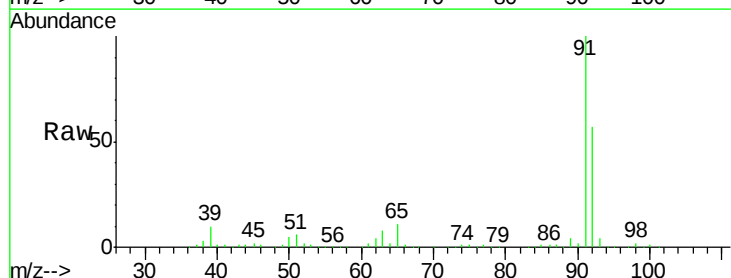
Acq: 11 Apr 2018 15:30

Tgt Ion: 92 Resp: 136145

Ion Ratio Lower Upper

92 100

91 172.7 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

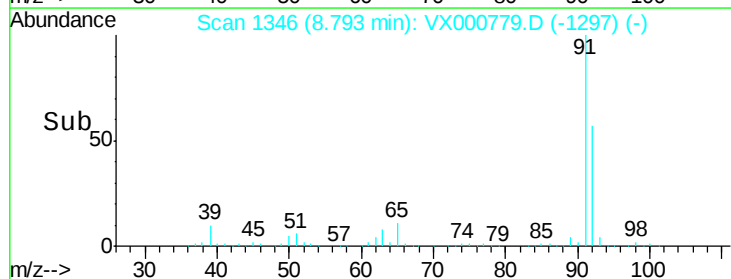
150000

100000

50000

0

Time-->





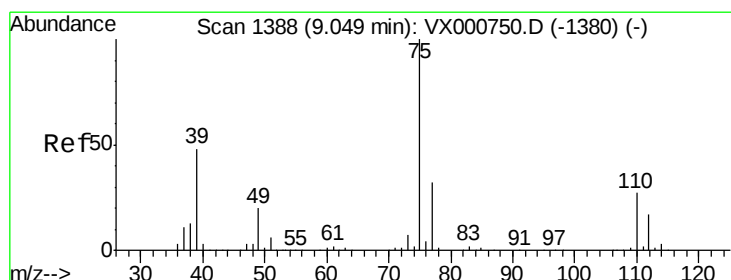
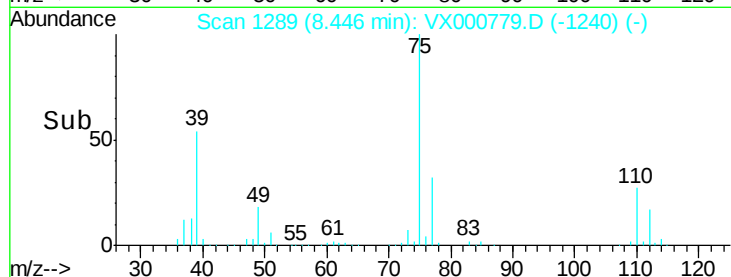
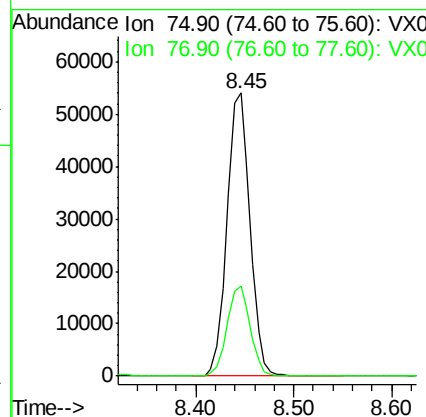
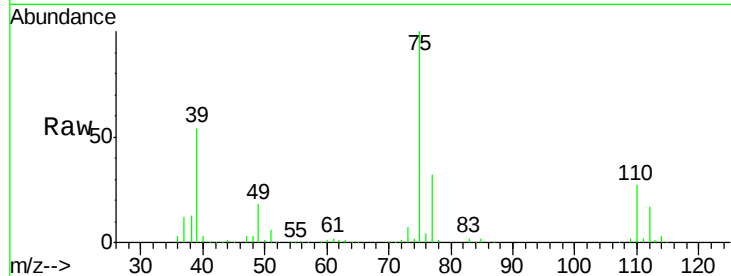
#53
t-1,3-Dichloropropene
Concen: 20.26 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion: 75 Resp: 87935
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

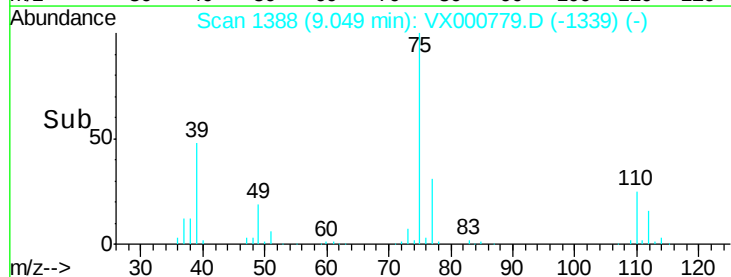
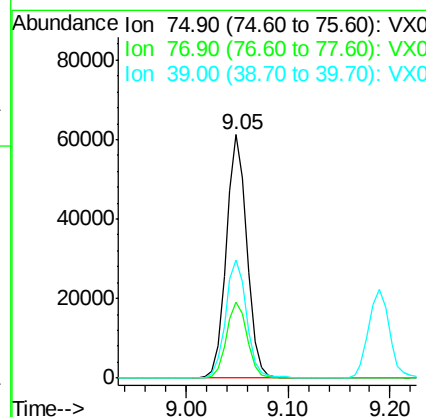
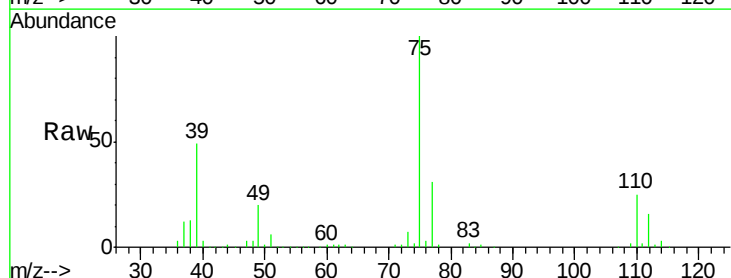
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#54
cis-1,3-Dichloropropene
Concen: 20.28 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion: 75 Resp: 85719
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2
39 48.3 38.6 58.0





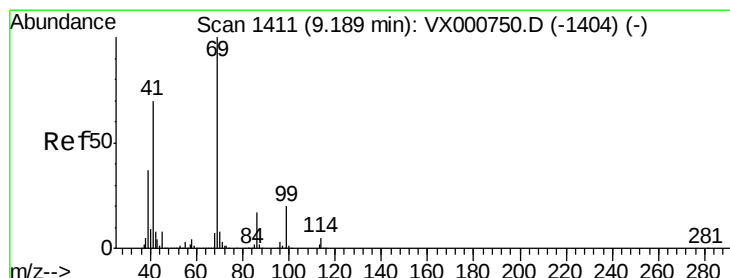
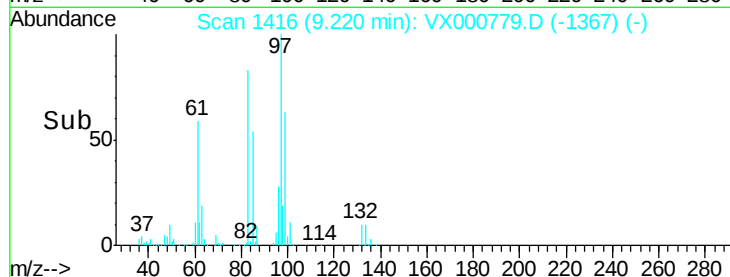
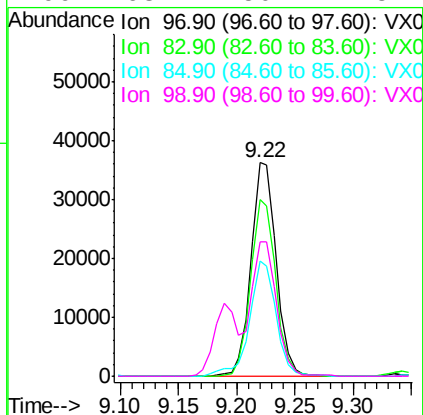
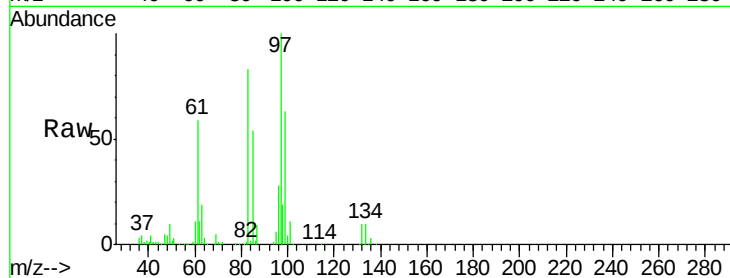
#55
 1,1,2-Trichloroethane
 Concen: 20.70 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion:	97	Resp:	55046
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.6	101.4
85	54.1	43.8	65.6
99	63.1	50.2	75.4

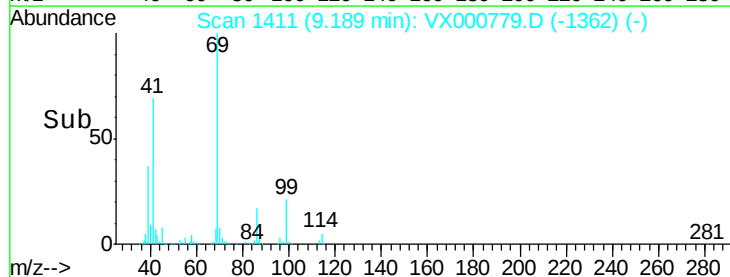
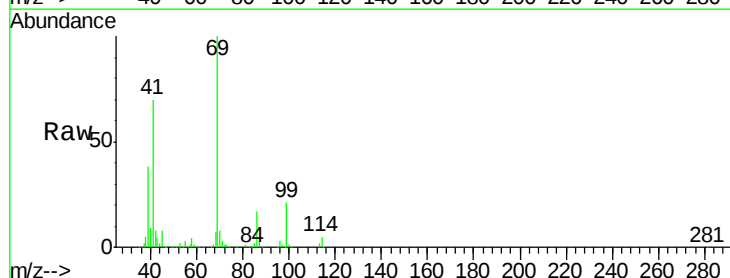
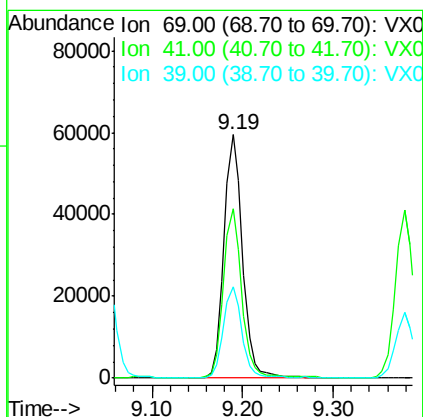
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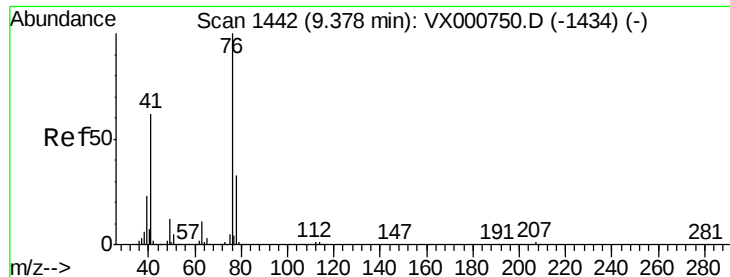
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#56
 Ethyl methacrylate
 Concen: 20.86 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion:	69	Resp:	85589
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.6	83.4
39	37.0	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.04 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampled :

VX0411WBSD01

Tot Ion: 76 Resp: 88976

Ion Ratio Lower Upper

76 100

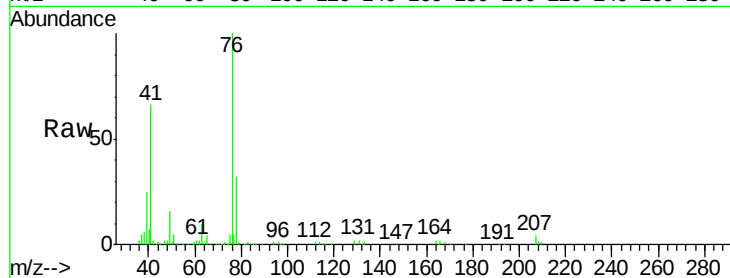
78 33.0 25.8 38.6

Manual Integrations

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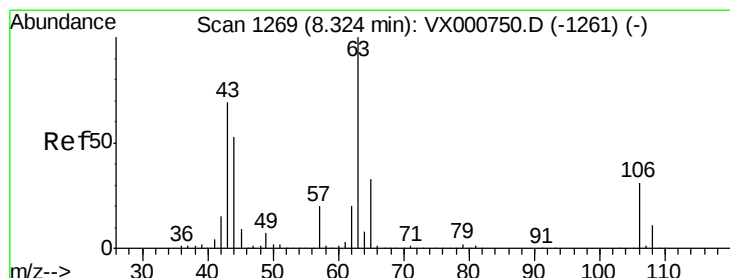
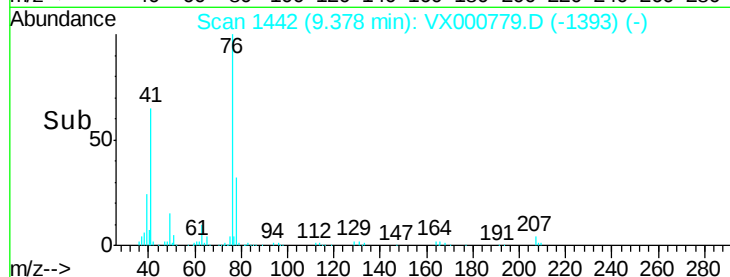
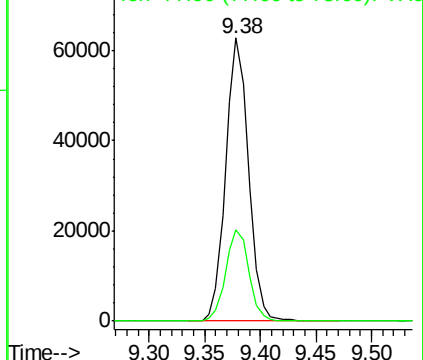
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 109.38 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000779.D

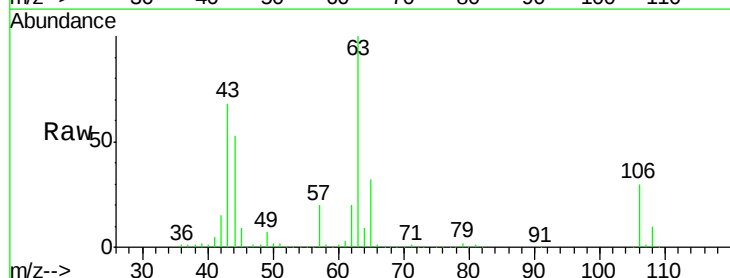
Acq: 11 Apr 2018 15:30

Tgt Ion: 63 Resp: 209656

Ion Ratio Lower Upper

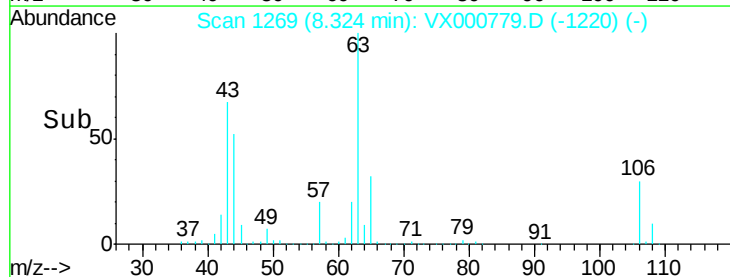
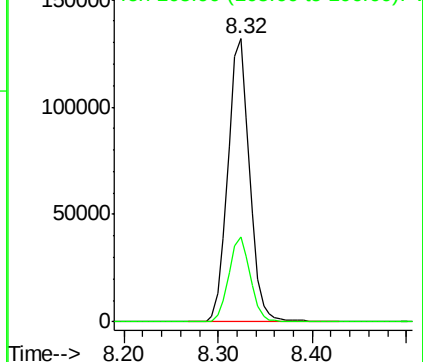
63 100

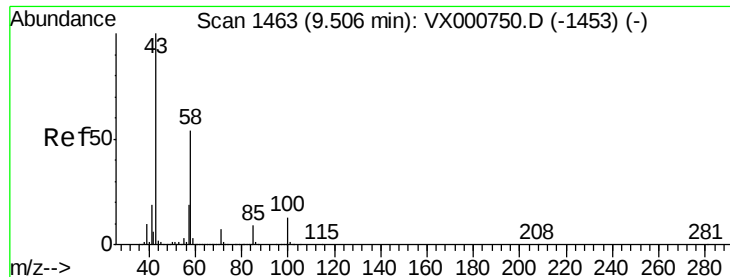
106 30.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





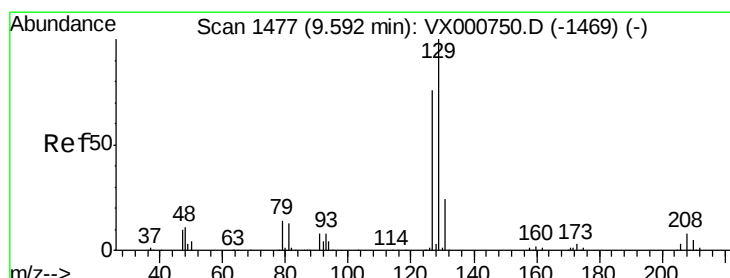
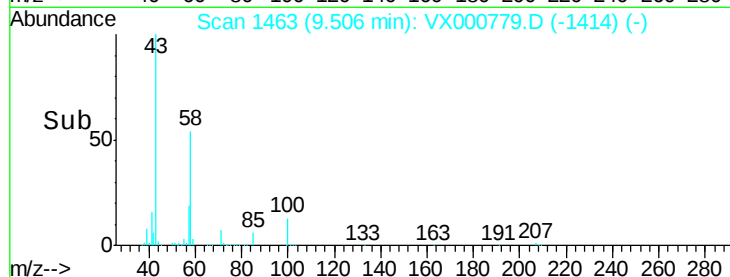
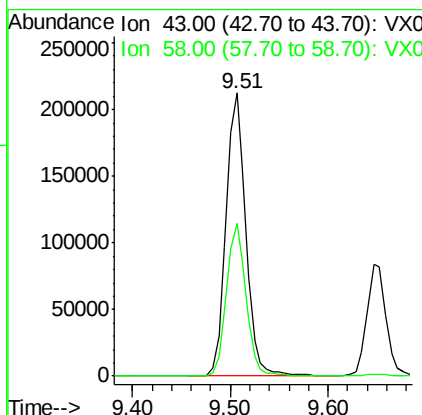
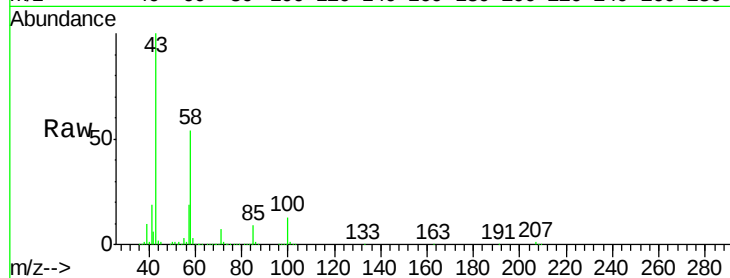
#59
2-Hexanone
Concen: 108.22 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	26.5	79.5

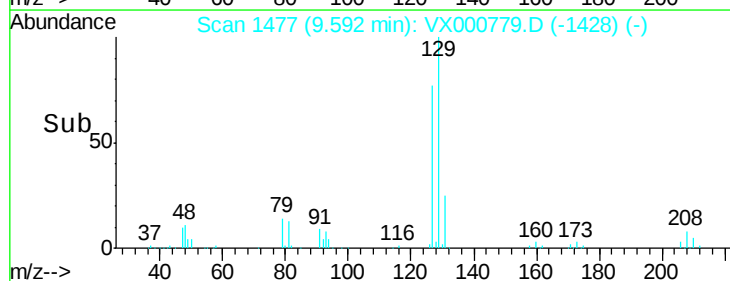
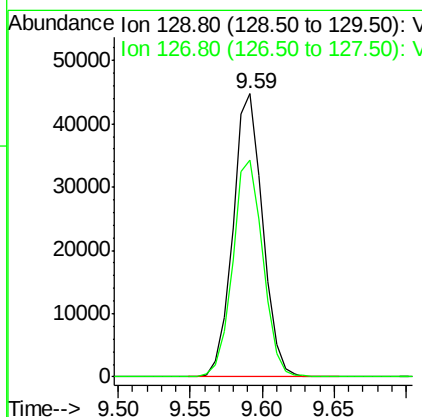
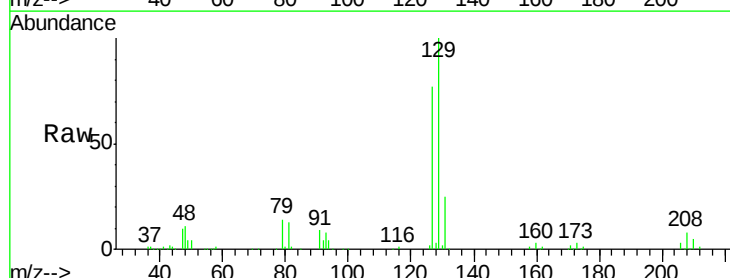
Manual Integrations
APPROVED

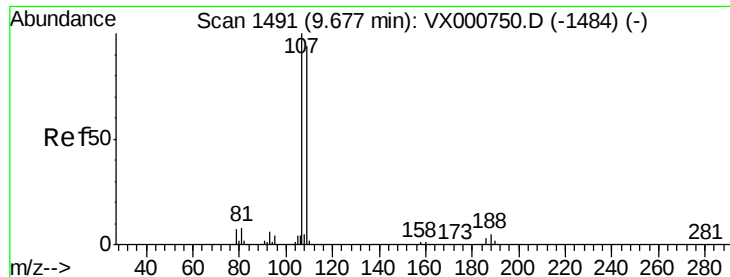
MMDadoda
4/12/2018 10:51:26 AM



#60
Dibromochloromethane
Concen: 20.24 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.1





#61

1,2-Dibromoethane

Concen: 21.15 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion:107 Resp: 59684

Ion Ratio Lower Upper

107 100

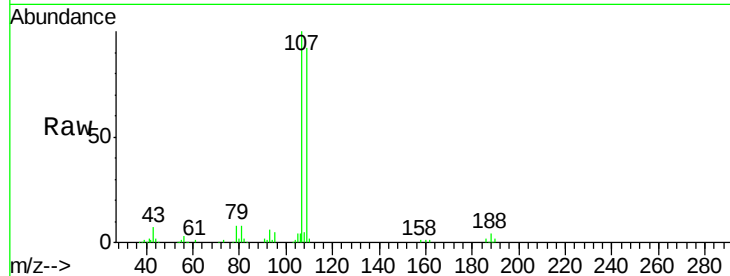
109 93.8 76.2 114.4

Manual Integrations

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MMDadoda

4/12/2018 10:51:26 AM

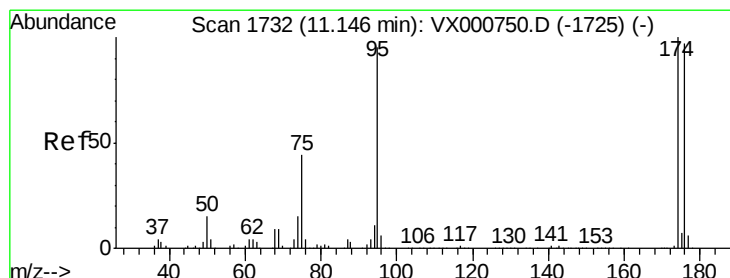
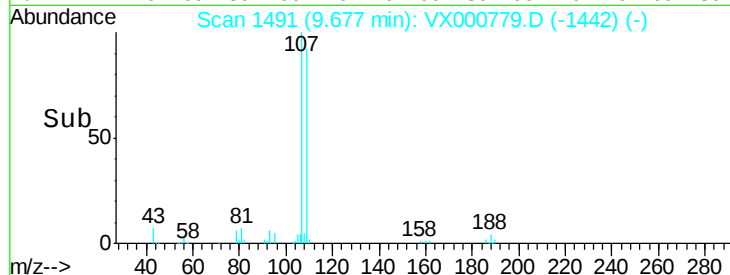


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

Time-->



#62

4-Bromofluorobenzene

Concen: 49.72 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

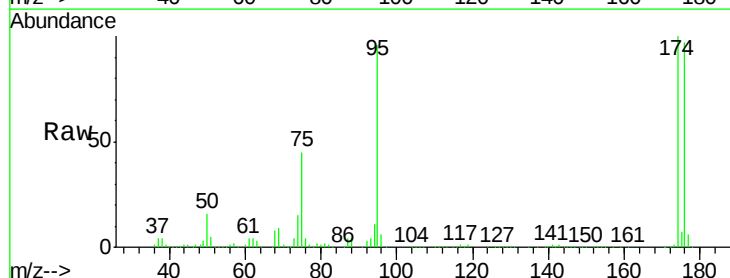
Tgt Ion: 95 Resp: 194727

Ion Ratio Lower Upper

95 100

174 98.6 0.0 198.4

176 96.4 0.0 194.4



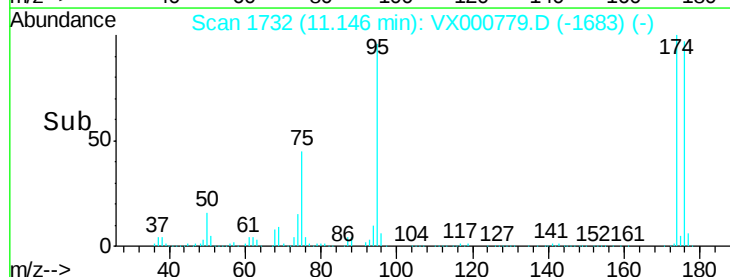
Abundance Ion 94.90 (94.60 to 95.60): VX0

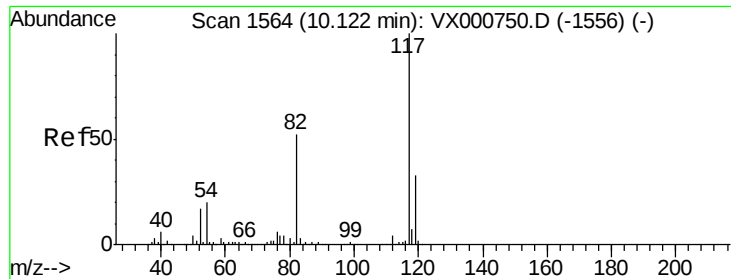
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

Time-->





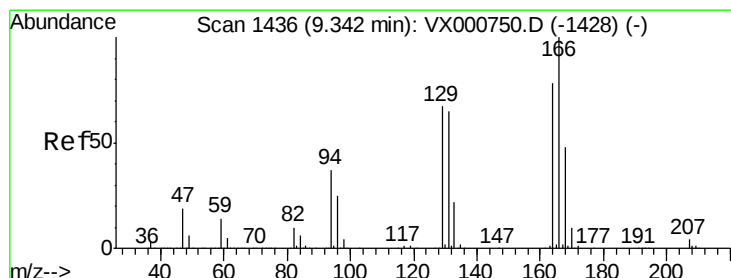
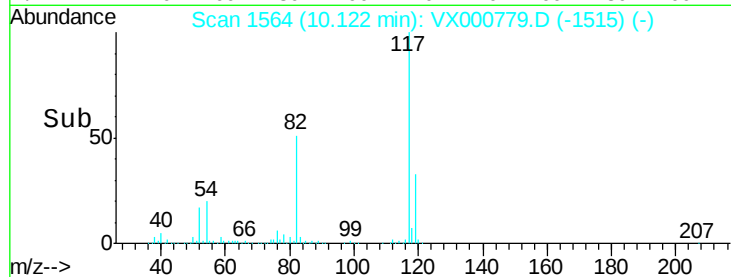
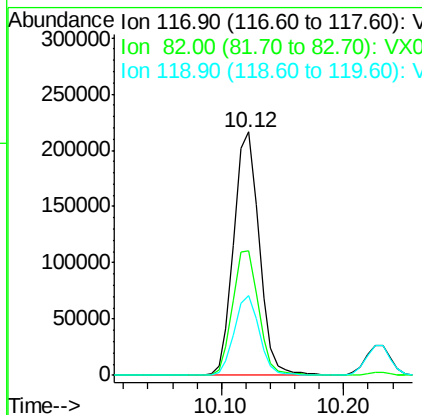
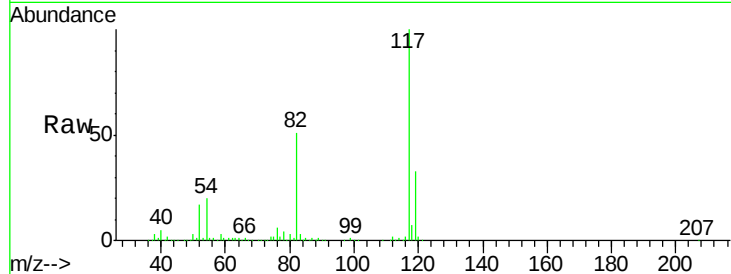
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	310903		
82	51.3		41.9	62.9
119	32.8		26.0	39.0

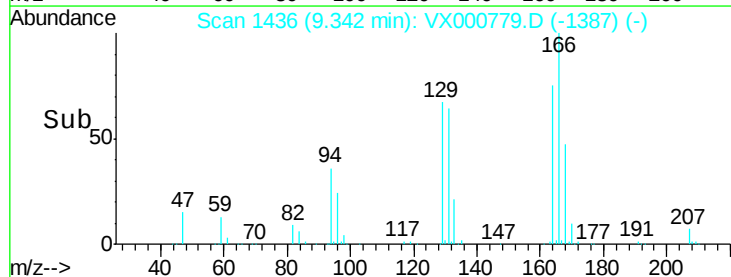
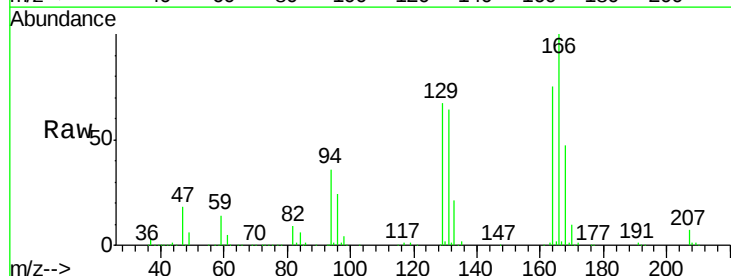
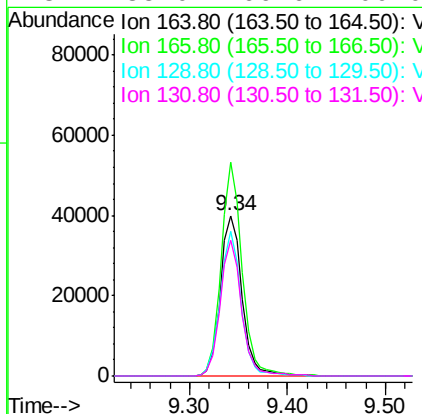
Manual Integrations
APPROVED

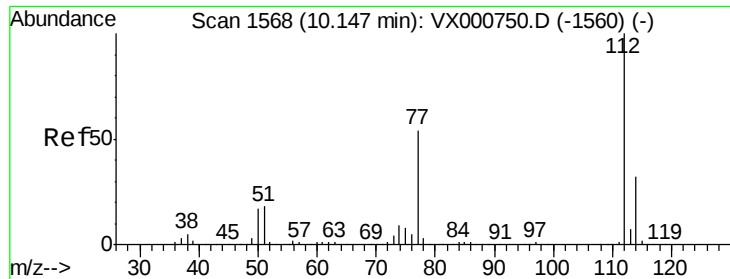
MMDadoda
4/12/2018 10:51:26 AM



#64
Tetrachloroethene
Concen: 20.27 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61611		
166	133.3		102.8	154.2
129	89.9		68.5	102.7
131	85.0		66.6	100.0





#65

Chlorobenzene

Concen: 20.48 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion:112 Resp: 160206

Ion Ratio Lower Upper

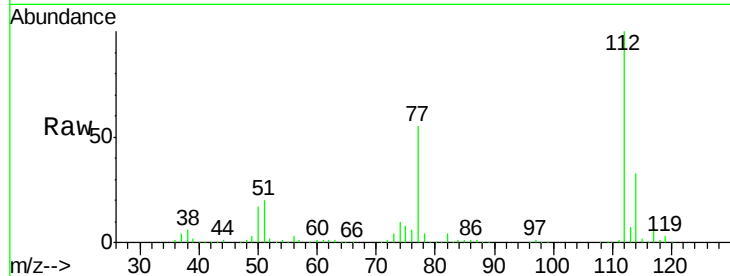
112 100

114 33.2 25.8 38.8

Manual Integrations
APPROVED

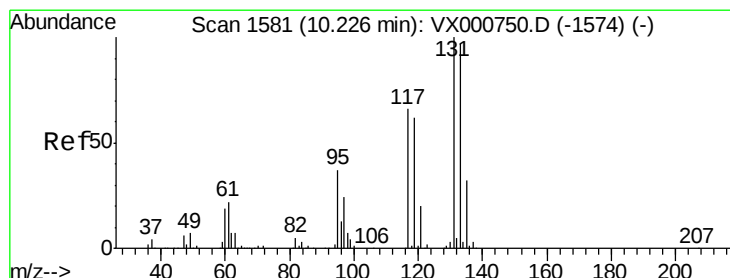
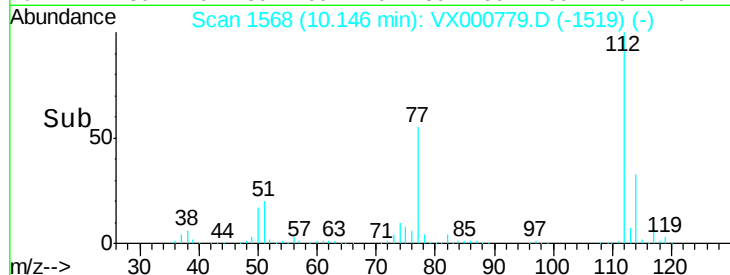
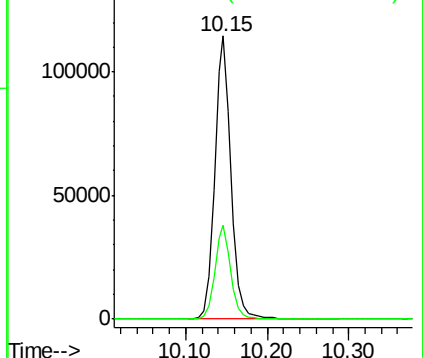
MMDadoda

4/12/2018 10:51:26 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.38 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

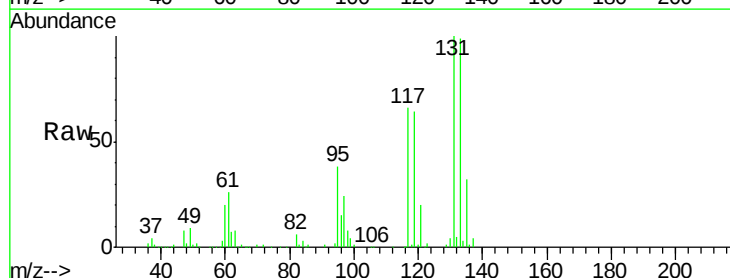
Tgt Ion:131 Resp: 59999

Ion Ratio Lower Upper

131 100

133 96.9 48.3 144.9

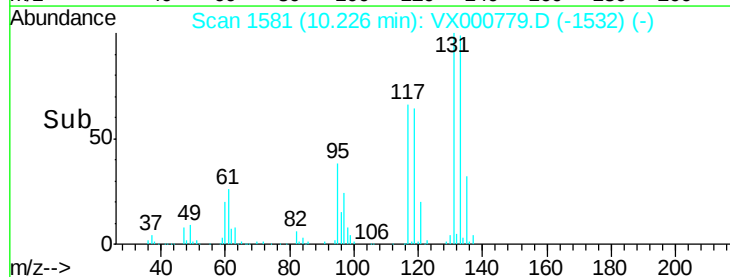
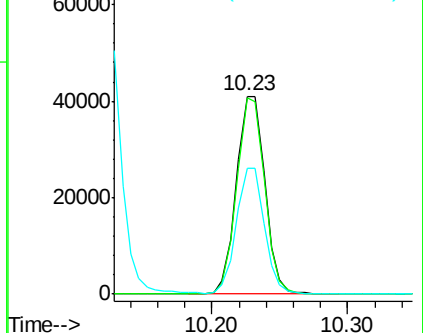
119 62.8 31.4 94.0

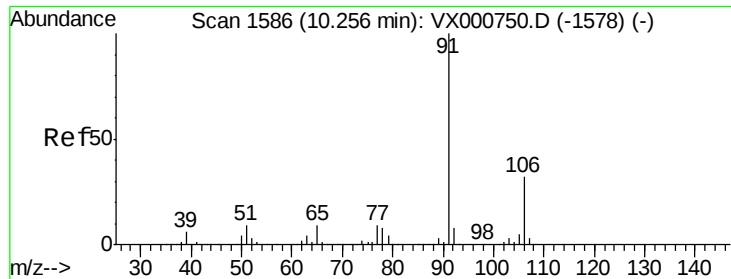


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





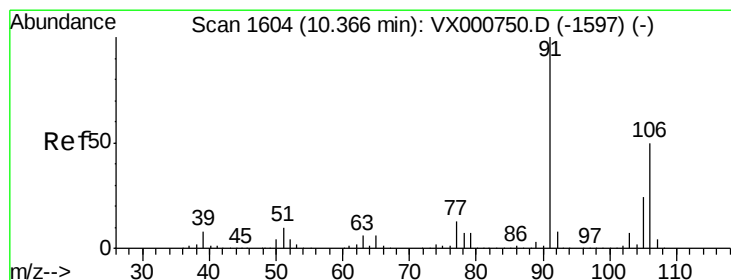
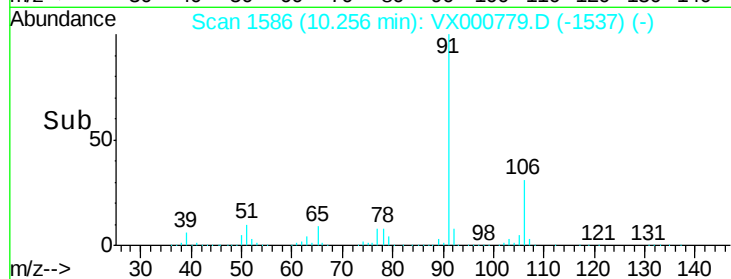
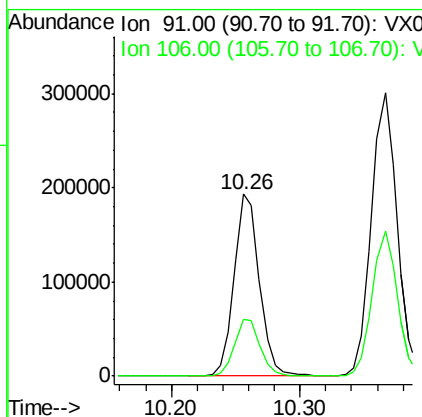
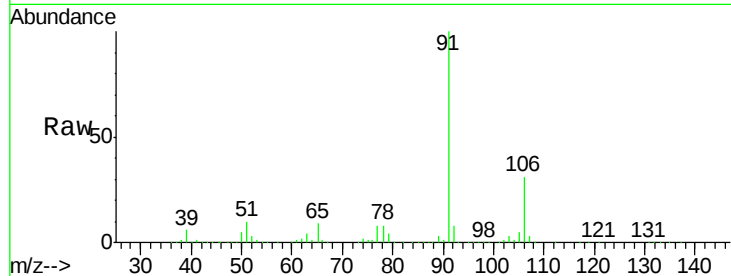
#67
Ethyl Benzene
Concen: 20.34 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampled :
VX0411WBSD01

Tot Ion: 91 Resp: 265237
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.0

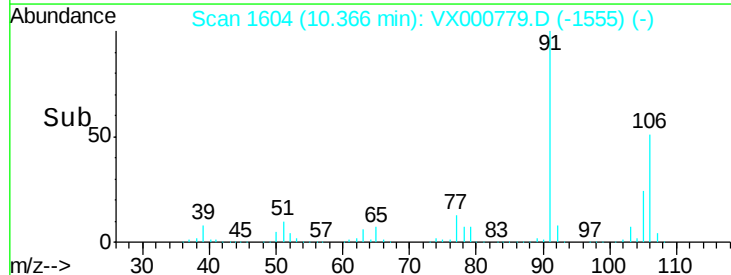
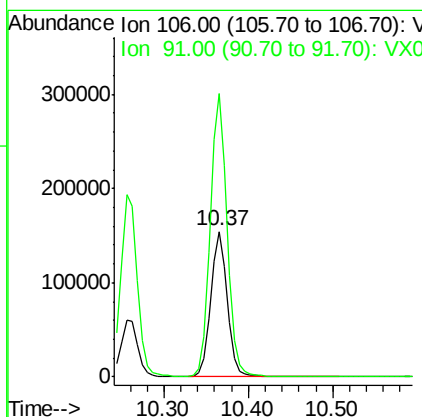
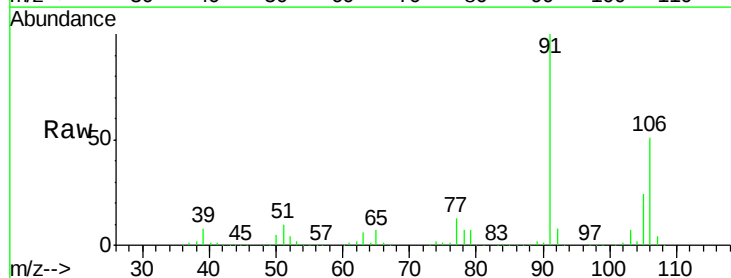
Manual Integrations
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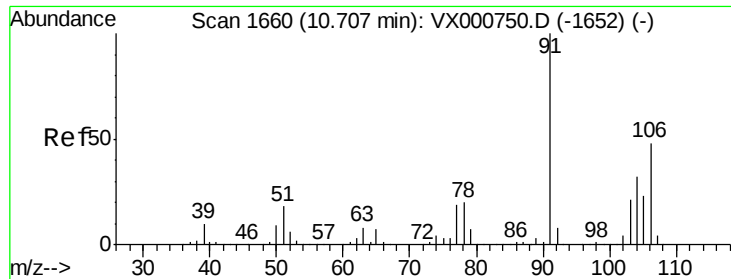
MMDadoda
4/12/2018 10:51:26 AM



#68
m/p-Xylenes
Concen: 40.78 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion: 106 Resp: 209868
Ion Ratio Lower Upper
106 100
91 198.7 159.3 238.9





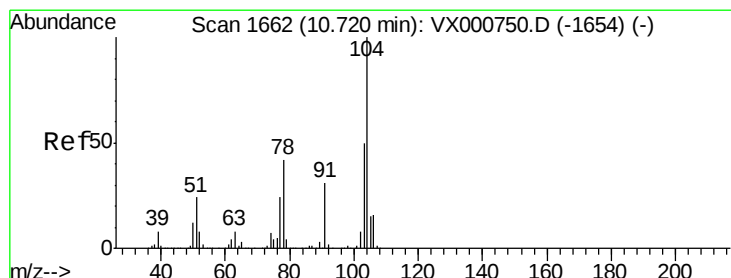
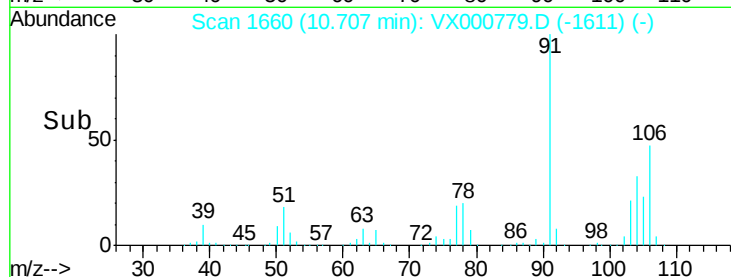
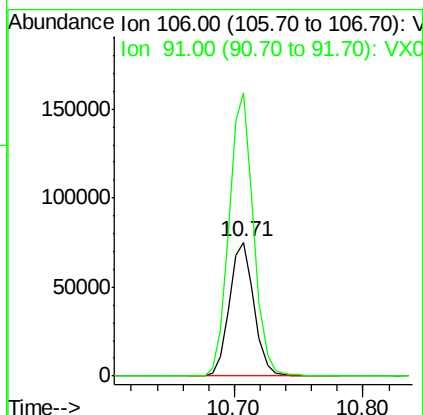
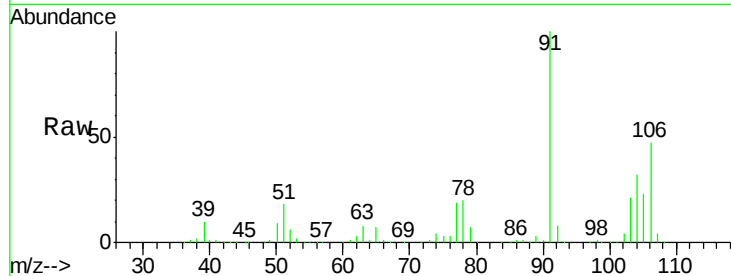
#69
o-Xylene
Concen: 20.34 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampled :
VX0411WBSD01

Tot Ion:106 Resp: 100917
Ion Ratio Lower Upper
106 100
91 210.5 105.0 315.0

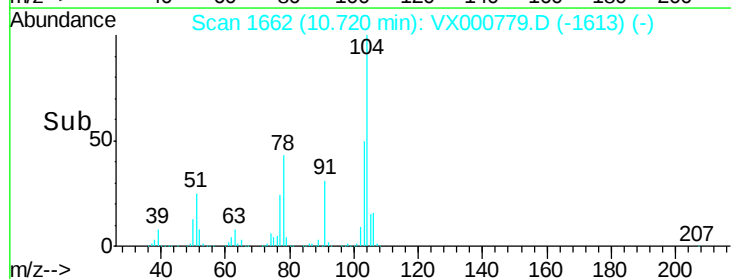
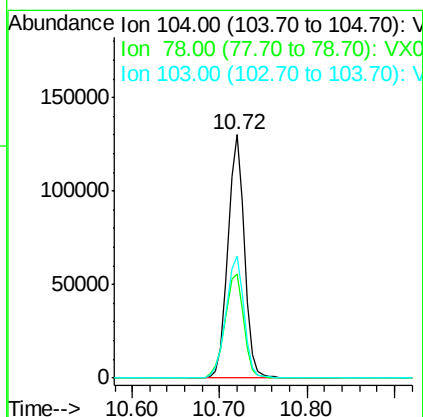
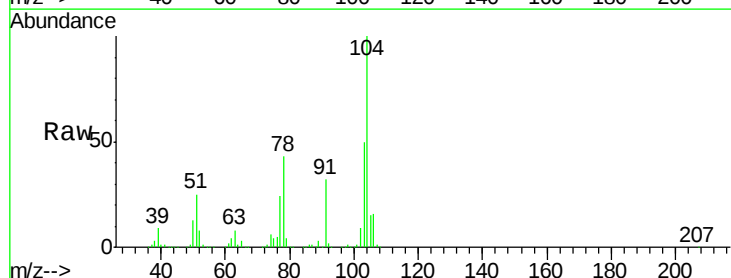
Manual Integrations
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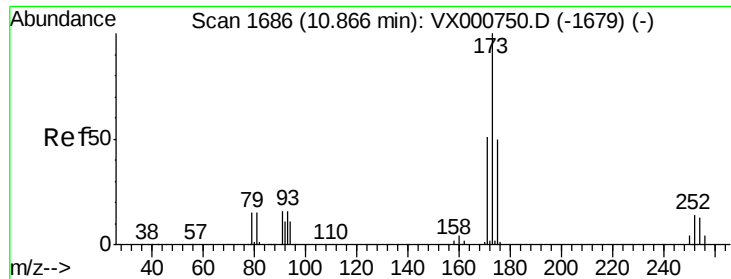
MMDadoda
4/12/2018 10:51:26 AM



#70
Styrene
Concen: 20.42 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion:104 Resp: 170787
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.6
103 54.8 44.1 66.1





#71

Bromoform

Concen: 19.84 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion:173 Resp: 54078

Ion Ratio Lower Upper

173 100

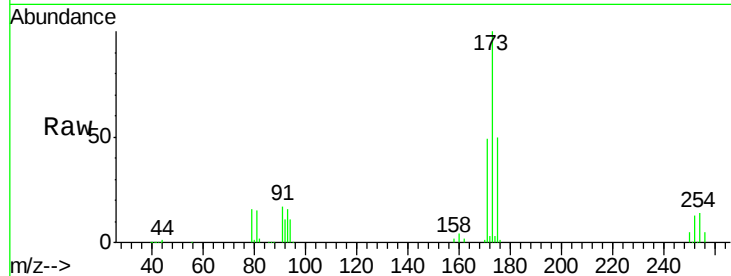
175 49.0 24.5 73.5

254 0.1 0.2 0.2#

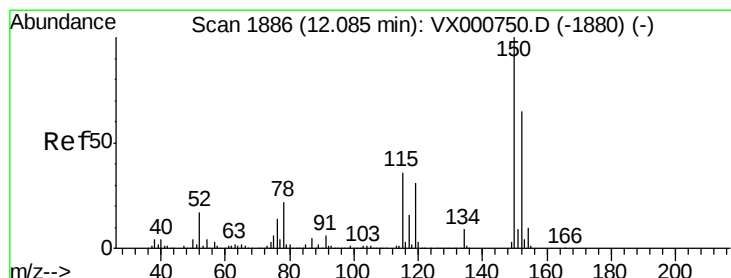
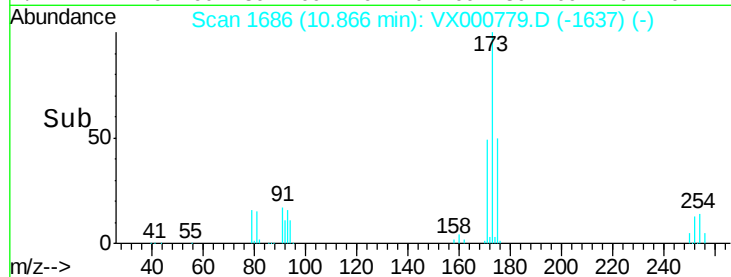
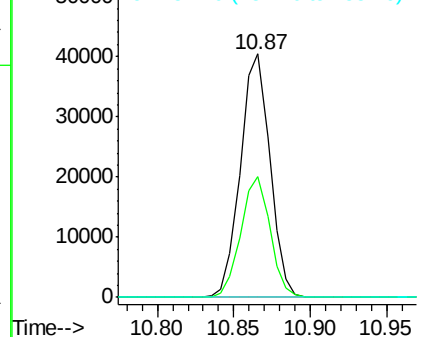
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

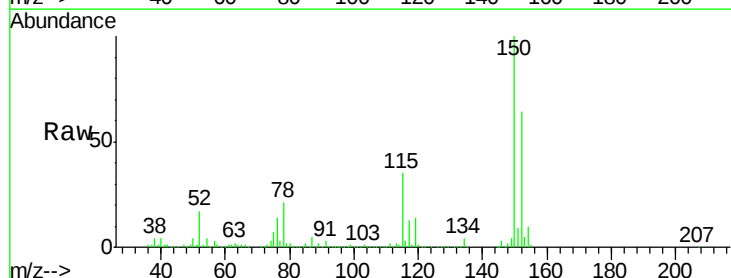
Tgt Ion:152 Resp: 208168

Ion Ratio Lower Upper

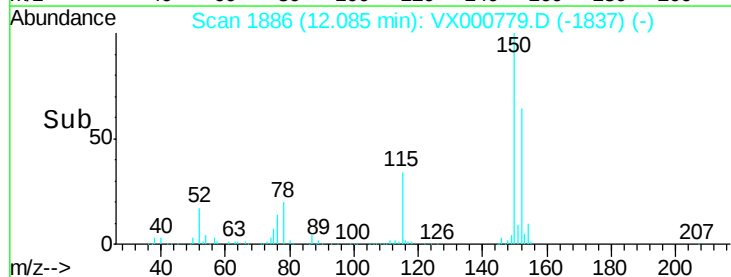
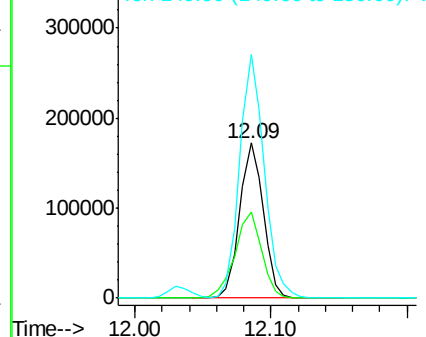
152 100

115 62.7 37.9 113.7

150 164.3 0.0 348.0



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: 20.64 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion: 105 Resp: 272582

Ion Ratio Lower Upper

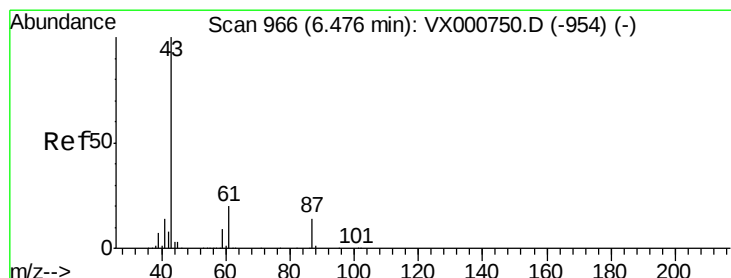
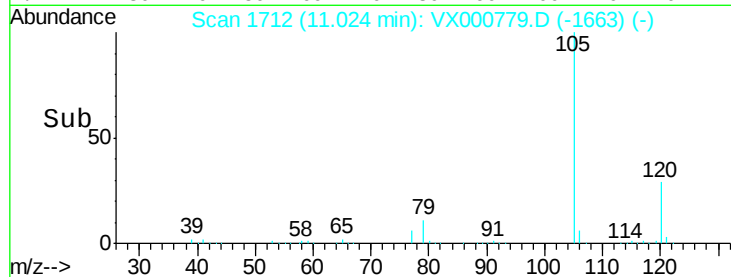
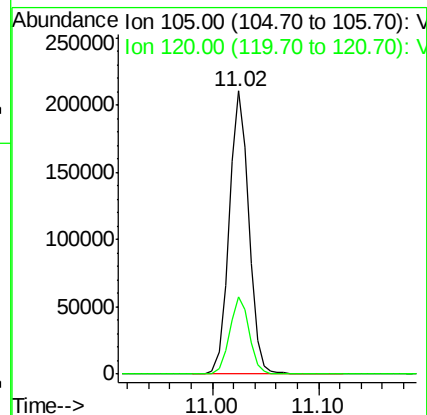
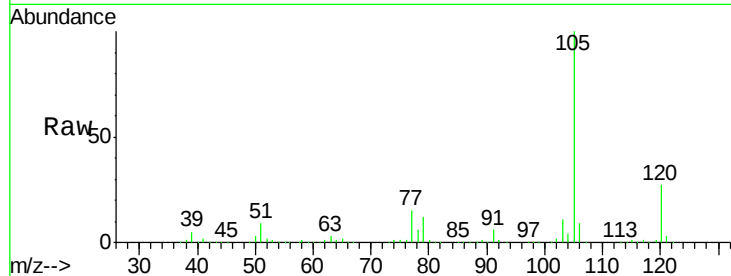
105 100

120 27.1 13.7 41.0

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#74

N-ethyl acetate

Concen: 21.67 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion: 43 Resp: 128897

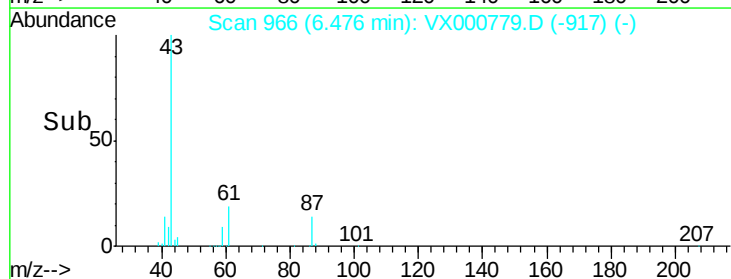
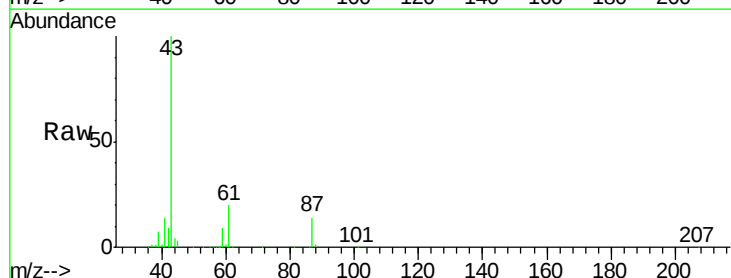
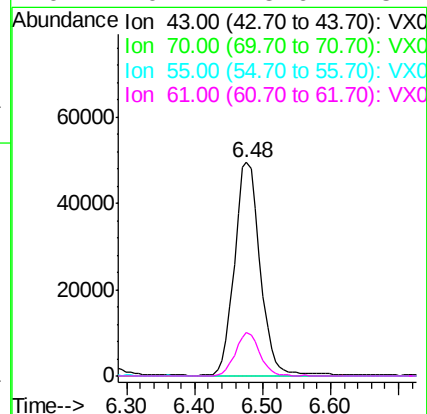
Ion Ratio Lower Upper

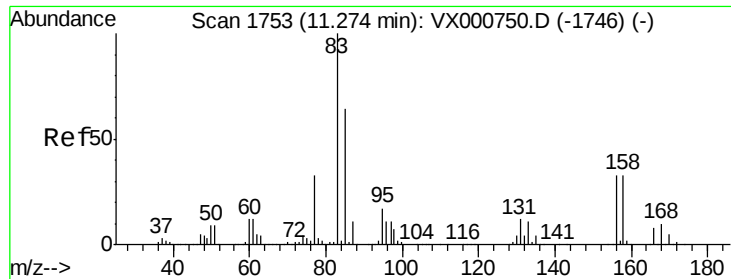
43 100

70 0.0 0.0 0.0

55 0.2 0.0 0.0#

61 19.4 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.52 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

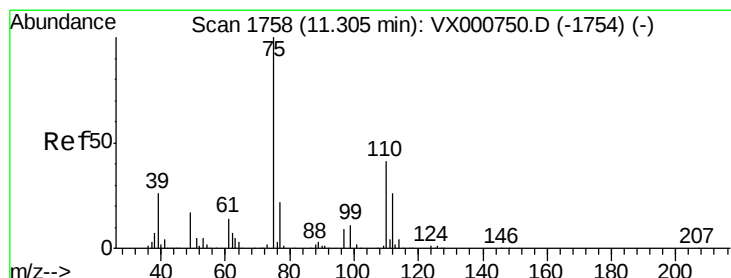
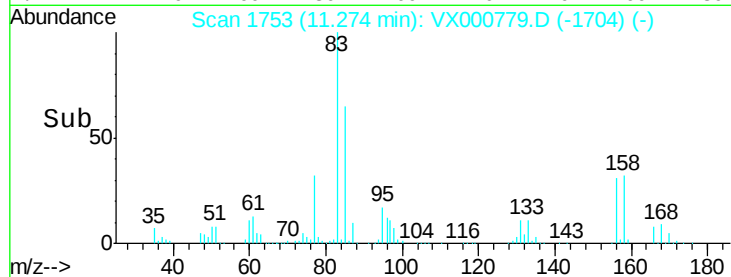
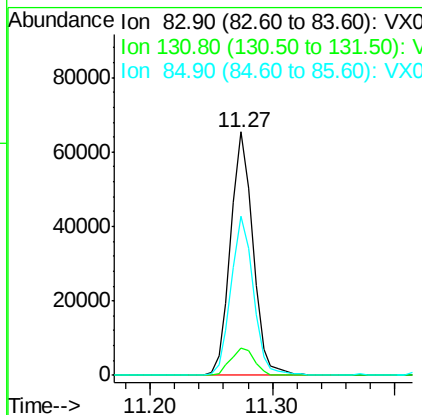
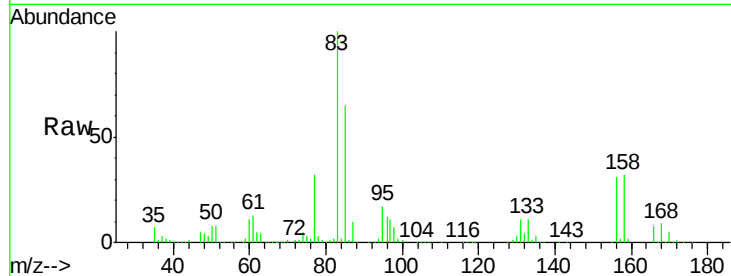
ClientSampleId :

VX0411WBSD01

Tot Ion:	83	Resp:	82461
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.0	18.0
85	65.2	32.3	96.8

Manual Integrations
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MMDadoda
4/12/2018 10:51:26 AM



#76

1,2,3-Trichloropropane

Concen: 21.43 ug/l m

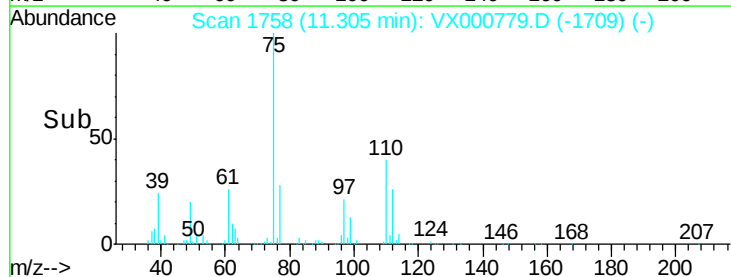
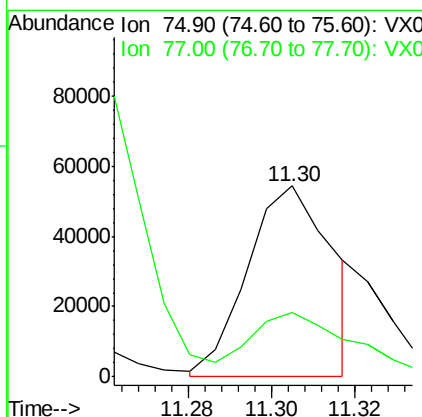
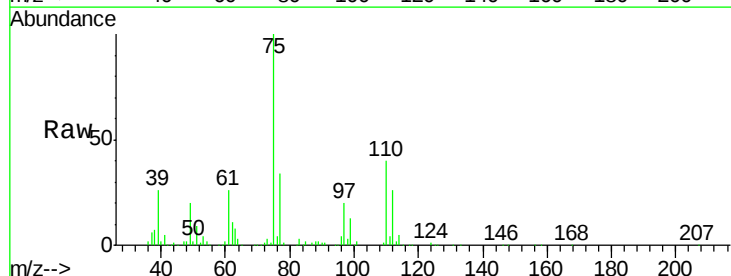
RT: 11.30 min Scan# 1758

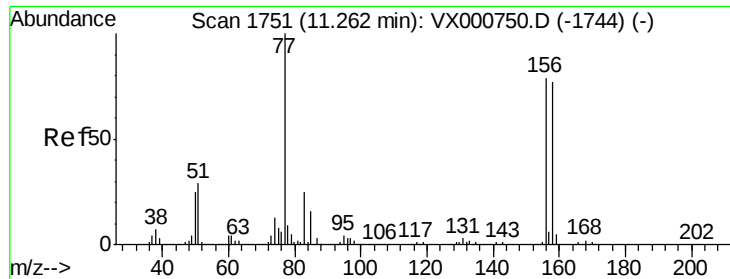
Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	75	Resp:	76918
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.5	61.5





#77

Bromobenzene

Concen: 20.67 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion:156 Resp: 79992

Ion Ratio Lower Upper

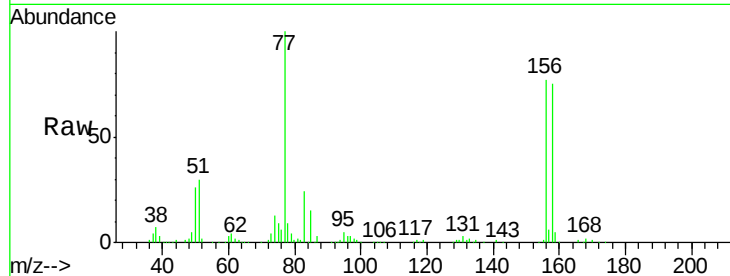
156 100

77 131.8 66.0 198.2

158 97.7 48.8 146.4

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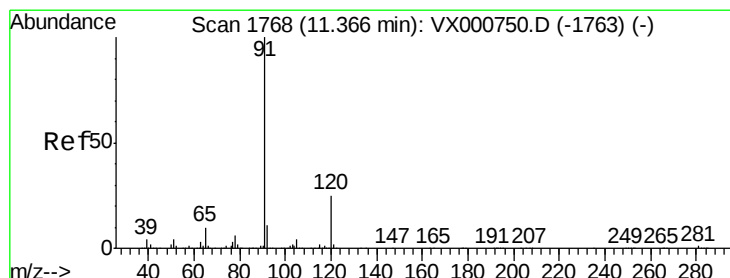
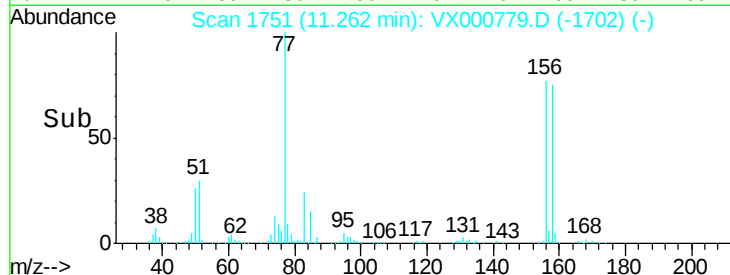
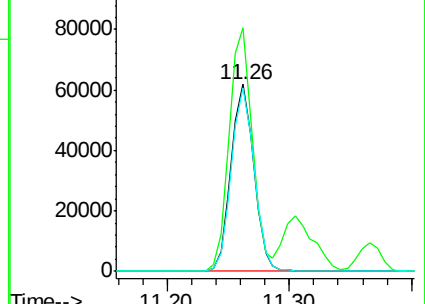
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.37 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000779.D

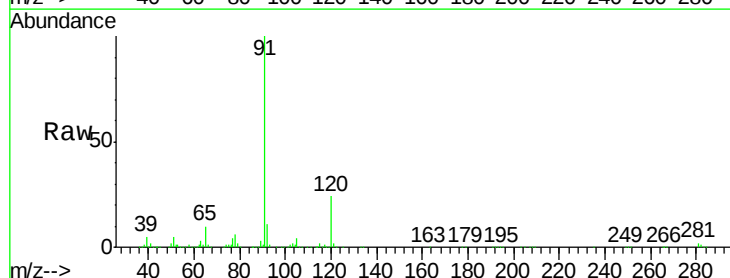
Acq: 11 Apr 2018 15:30

Tgt Ion: 91 Resp: 307721

Ion Ratio Lower Upper

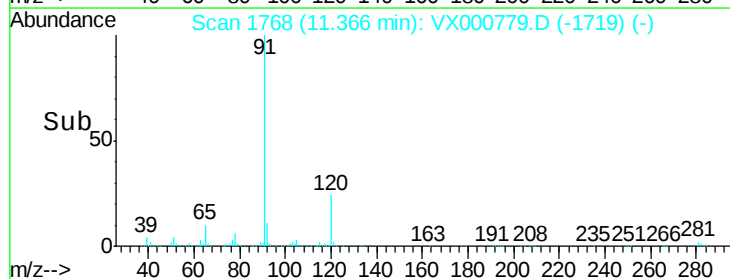
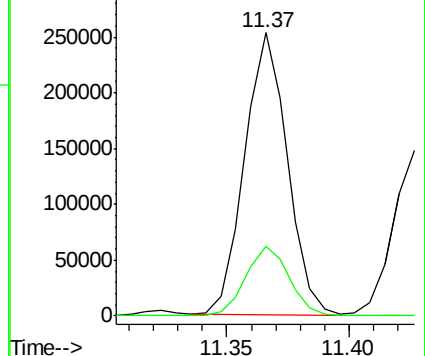
91 100

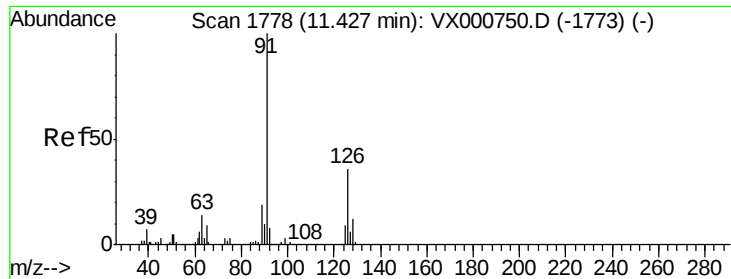
120 25.0 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.68 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion: 91 Resp: 184595

Ion Ratio Lower Upper

91 100

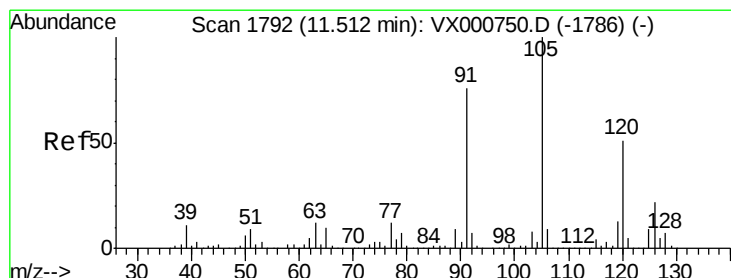
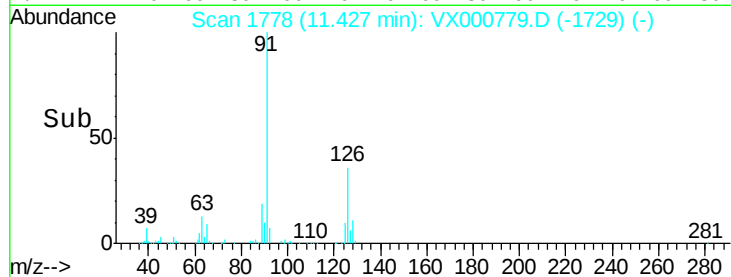
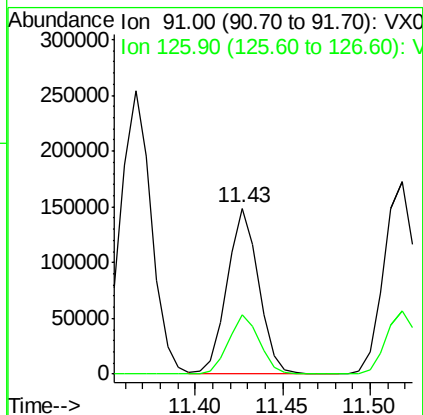
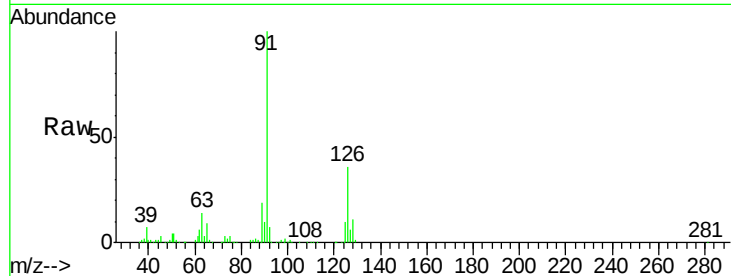
126 36.0 18.3 54.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.41 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000779.D

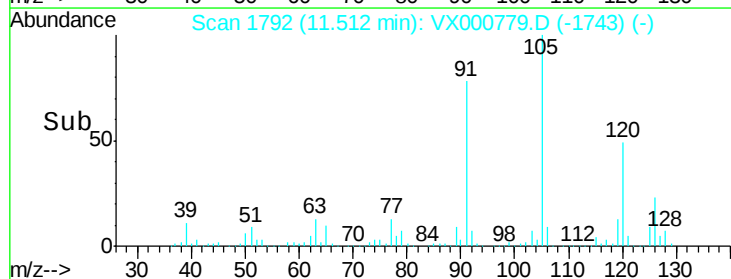
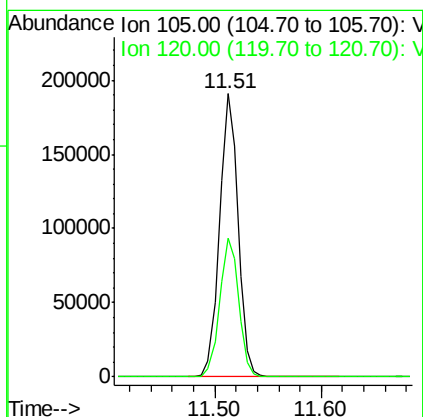
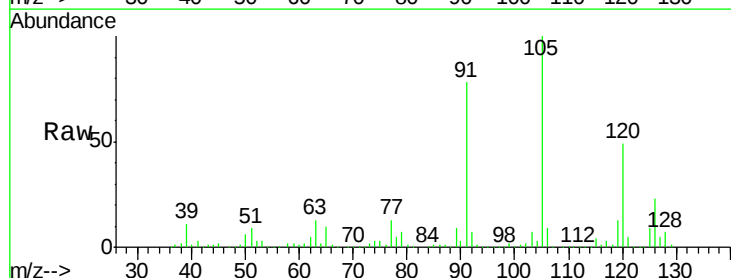
Acq: 11 Apr 2018 15:30

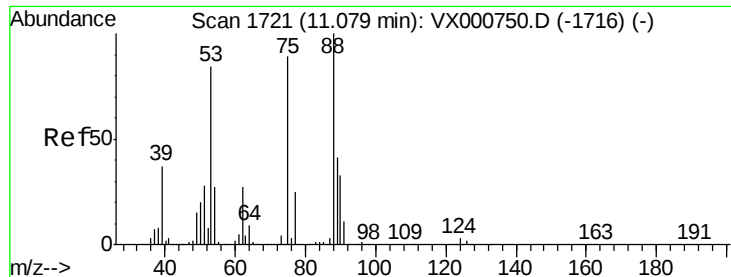
Tgt Ion: 105 Resp: 231766

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.54 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleId :

VX0411WBSD01

Tot Ion: 75 Resp: 24198

Ion Ratio Lower Upper

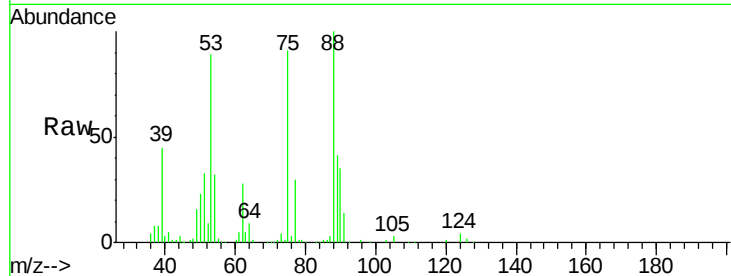
75 100

53 100.1 75.4 113.0

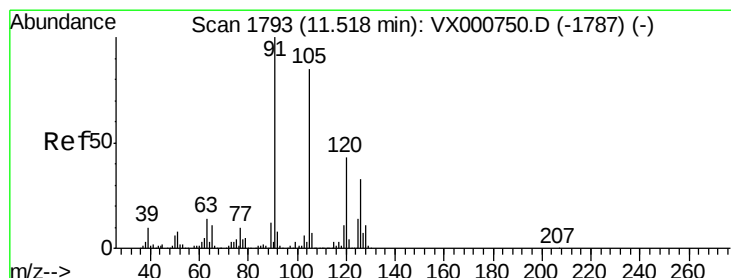
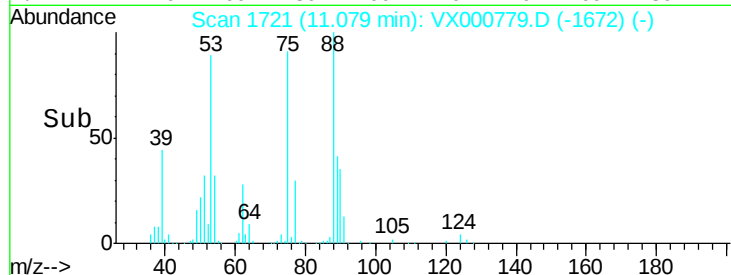
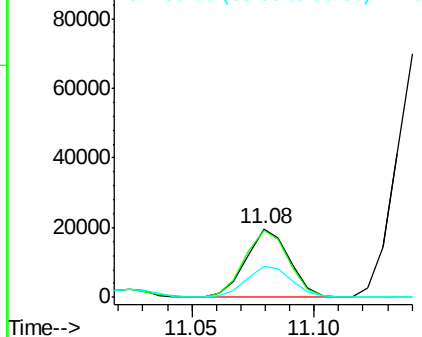
89 49.3 40.9 61.3

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.47 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX000779.D

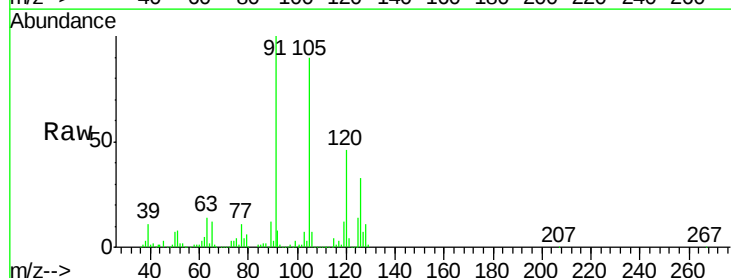
Acq: 11 Apr 2018 15:30

Tgt Ion: 91 Resp: 220636

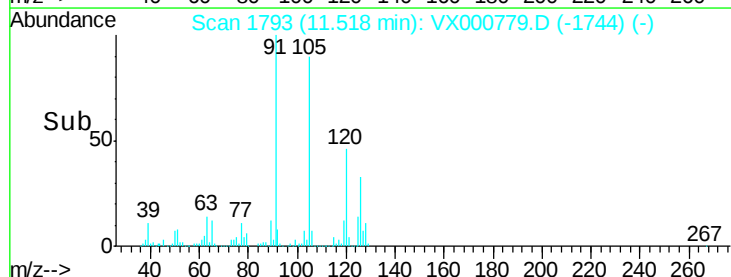
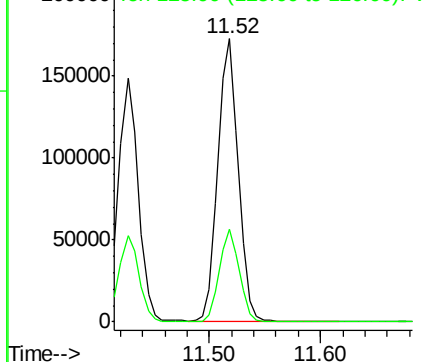
Ion Ratio Lower Upper

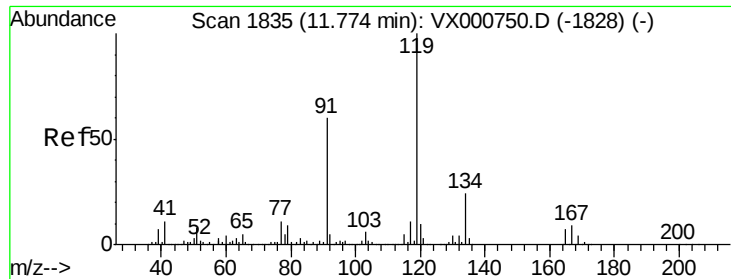
91 100

126 31.8 16.2 48.6



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





#83

tert-Butylbenzene

Concen: 20.74 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

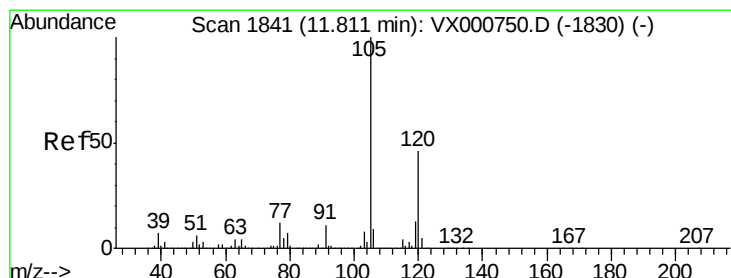
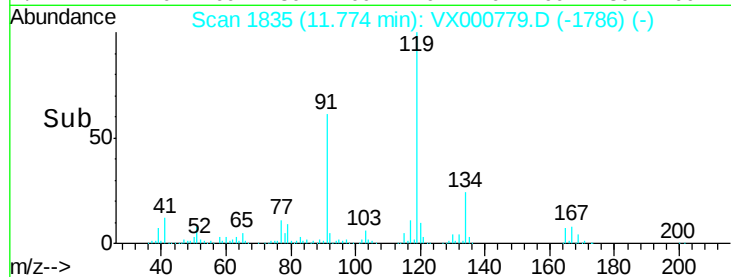
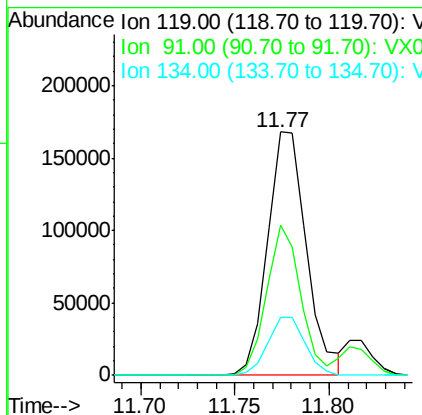
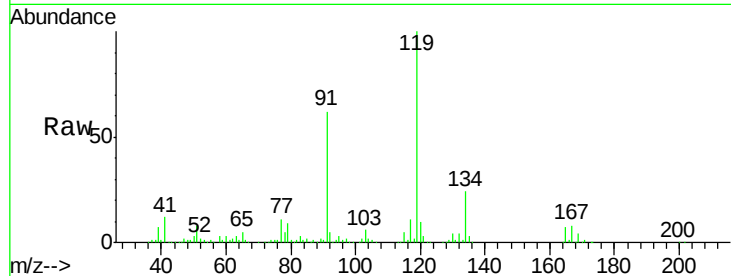
ClientSampleId :

VX0411WBSD01

Tot Ion:	119	Resp:	241009
Ion Ratio	Lower	Upper	
119	100		
91	54.0	26.8	80.3
134	23.0	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.36 ug/l

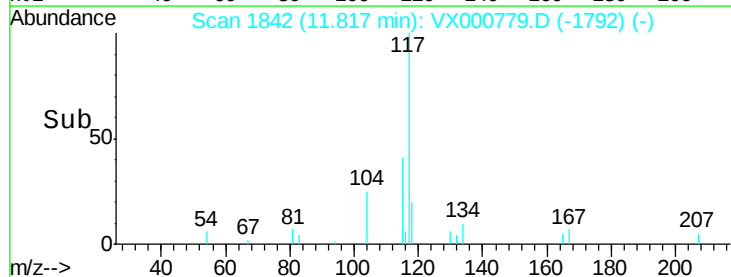
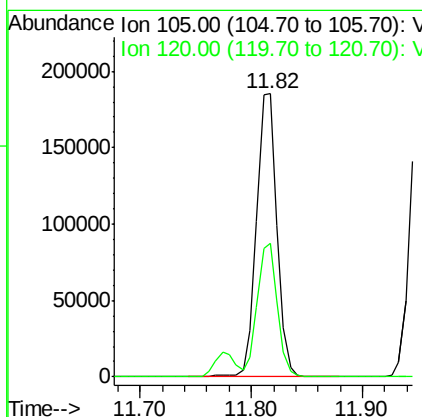
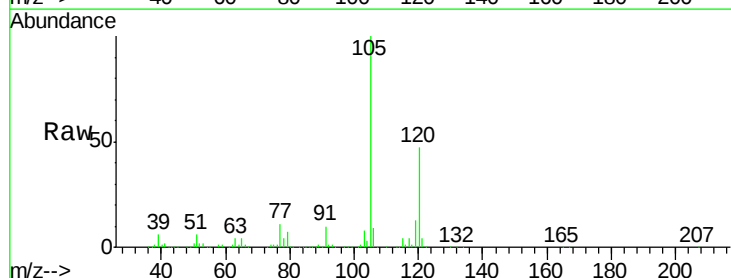
RT: 11.82 min Scan# 1842

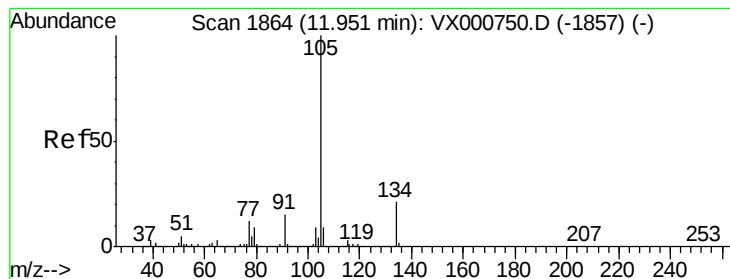
Delta R.T. 0.01 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	105	Resp:	238750
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.1	69.3





#85

sec-Butylbenzene

Concen: 20.26 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

ClientSampleID :

VX0411WBSD01

Tot Ion:105 Resp: 277743

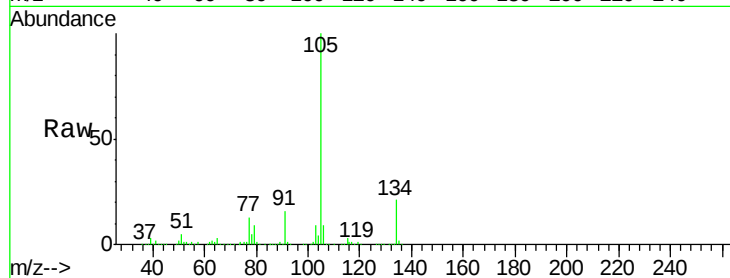
Ion Ratio Lower Upper

105 100

134 21.5 10.8 32.4

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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

250000

200000

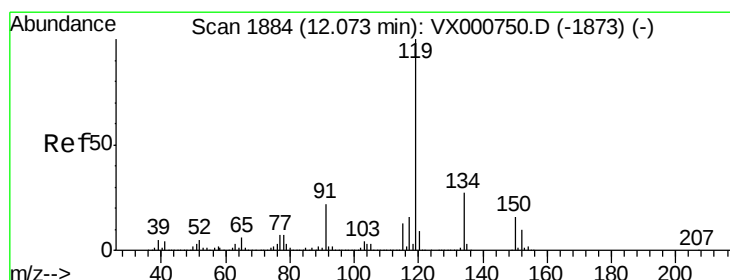
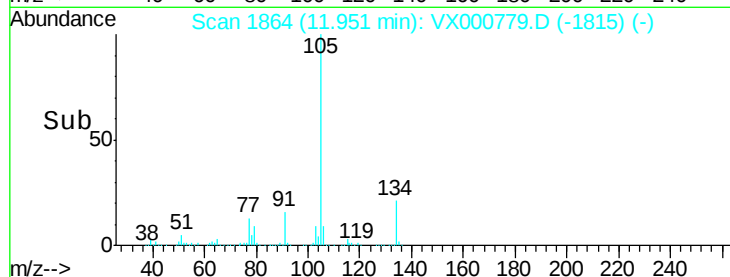
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.97 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

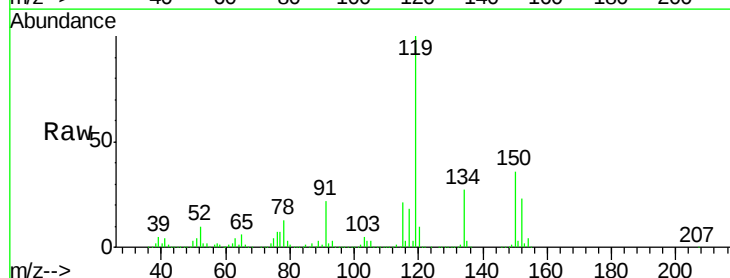
Tgt Ion:119 Resp: 255329

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 23.1 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

300000

250000

200000

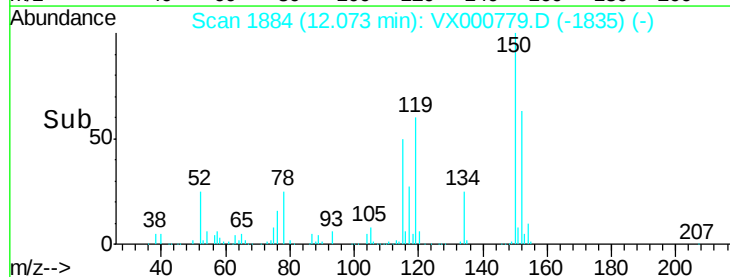
150000

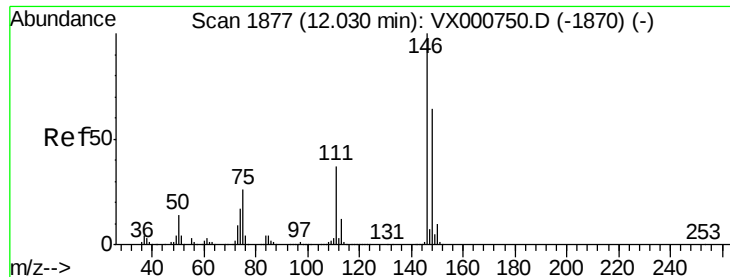
100000

50000

0

Time-->





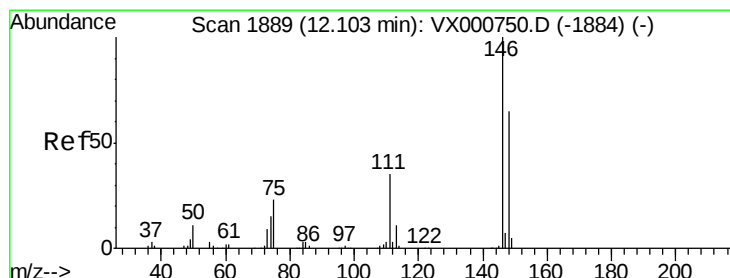
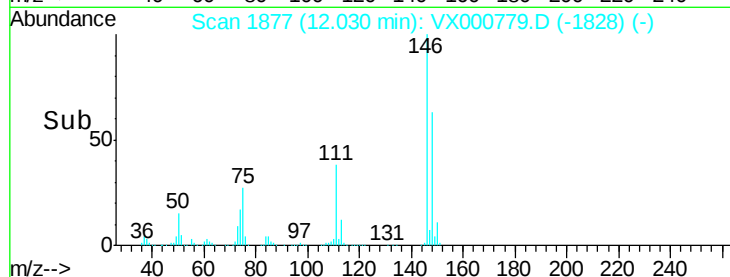
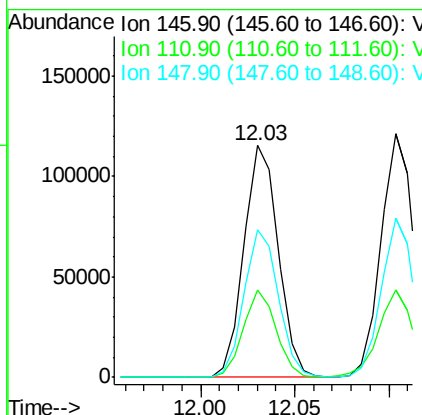
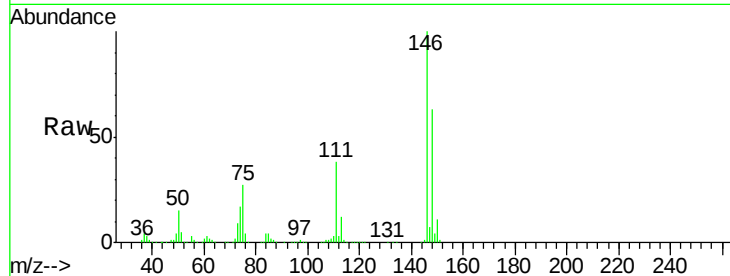
#87
 1,3-Dichlorobenzene
 Concen: 20.44 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.3	54.8
148	63.5	32.2	96.6

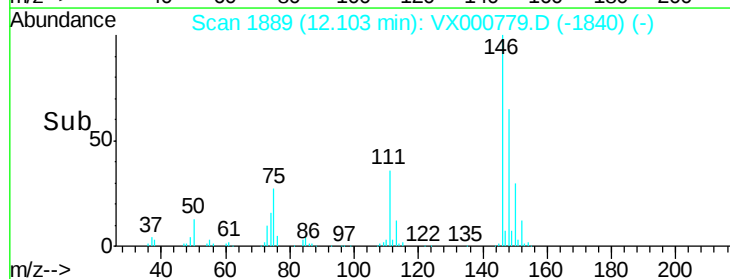
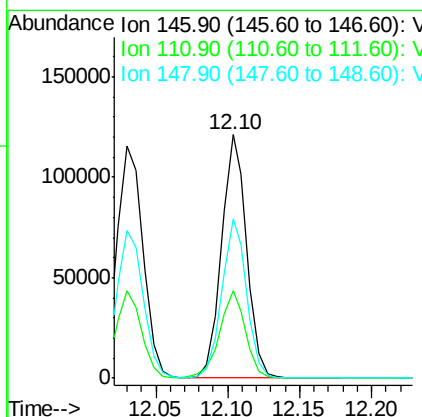
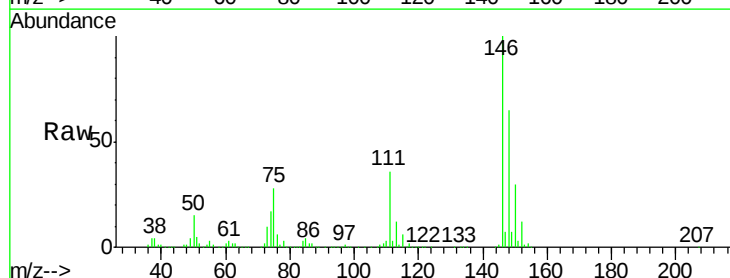
Manual Integrations
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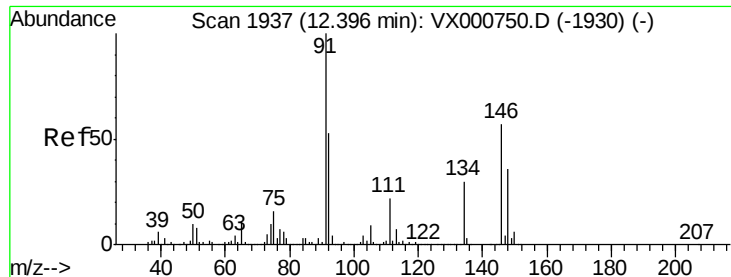
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#88
 1,4-Dichlorobenzene
 Concen: 20.23 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.9	53.8
148	64.7	32.6	97.7





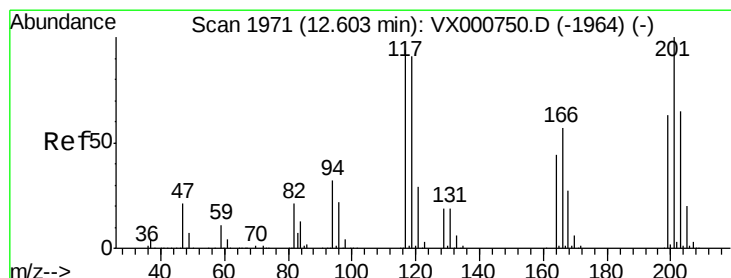
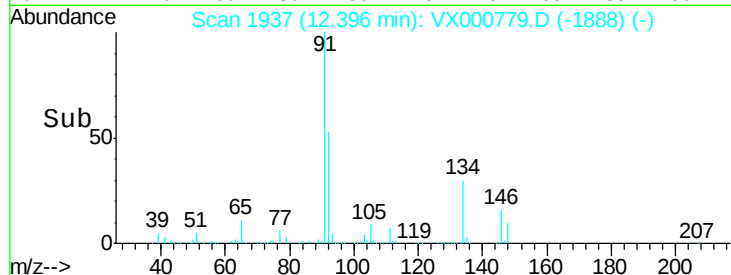
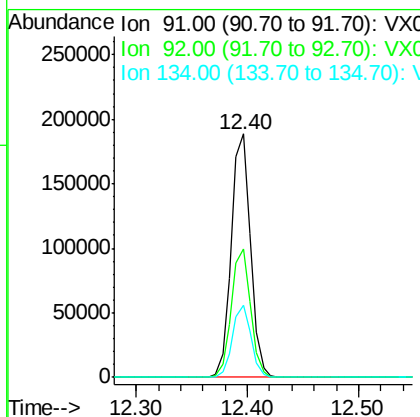
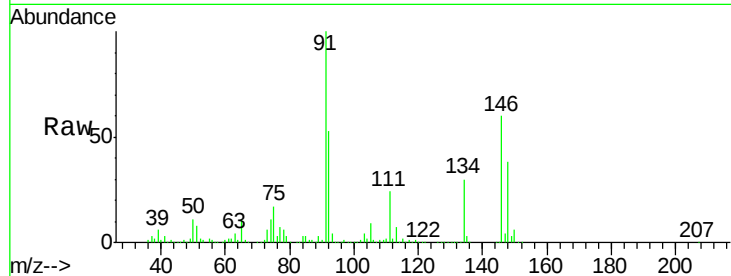
#89
n-Butylbenzene
Concen: 19.93 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Instrument :
MSVOA_X
ClientSampleId :
VX0411WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		224819		
92	52.8	26.5		79.5	
134	28.6	14.5		43.5	

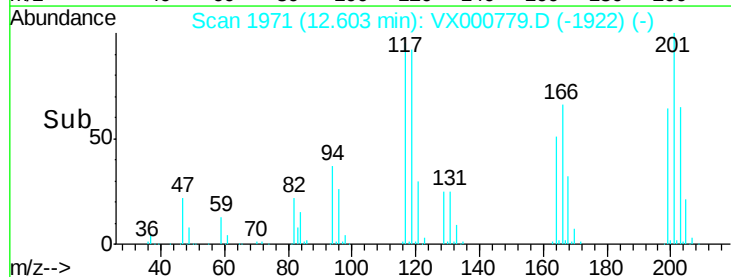
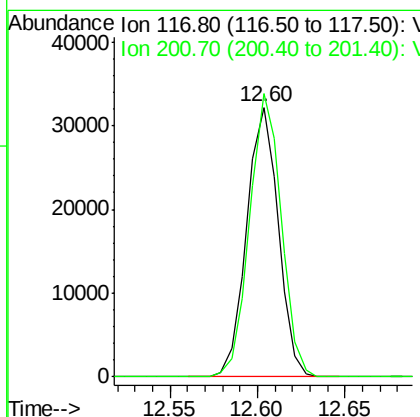
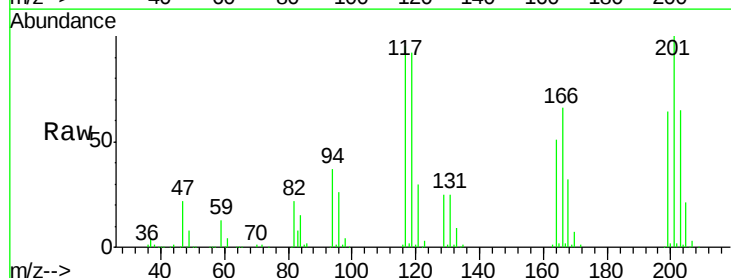
Manual Integrations
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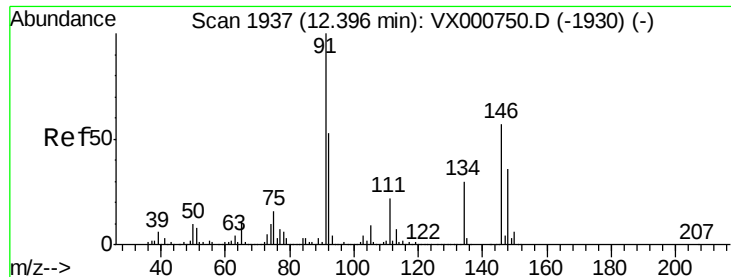
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#90
Hexachloroethane
Concen: 18.82 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX000779.D
Acq: 11 Apr 2018 15:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		40701		
201	105.2	52.9		158.7	





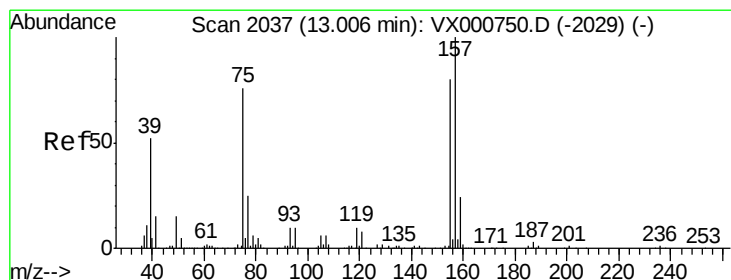
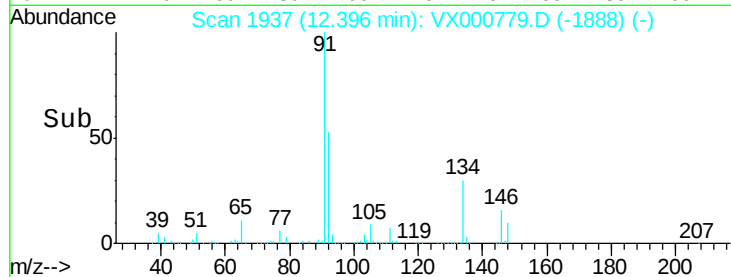
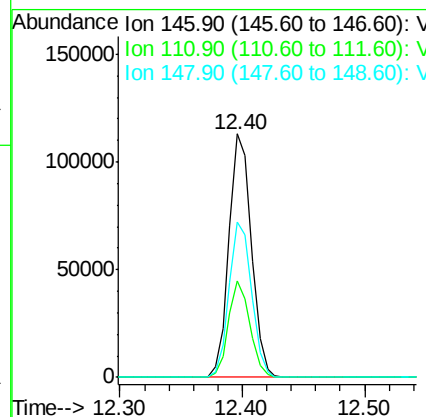
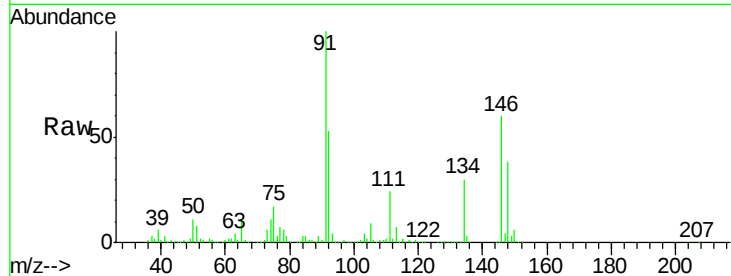
#91
 1,2-Dichlorobenzene
 Concen: 20.71 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.1	32.0	96.2

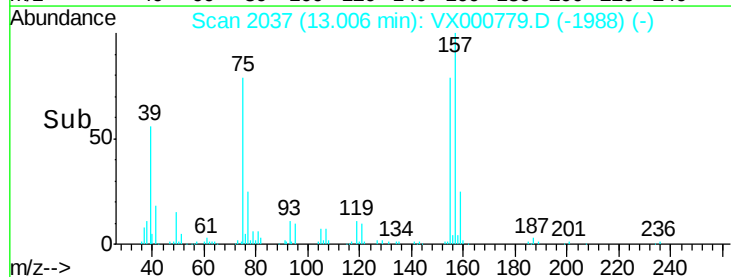
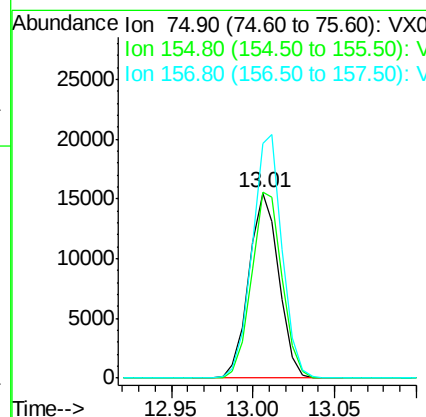
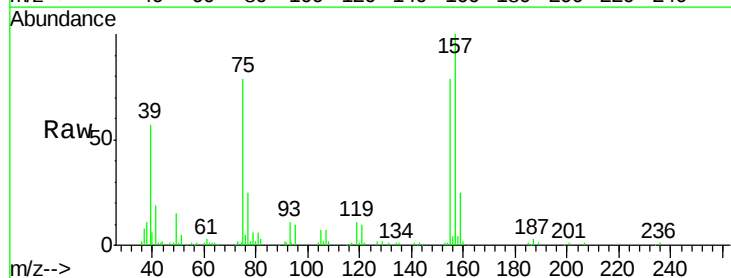
Manual Integrations
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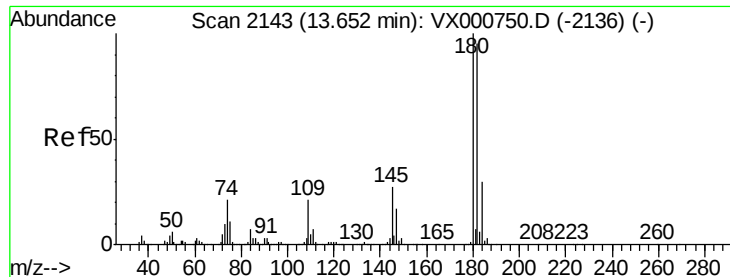
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.65 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	51.9	155.8
157	130.9	66.6	199.8





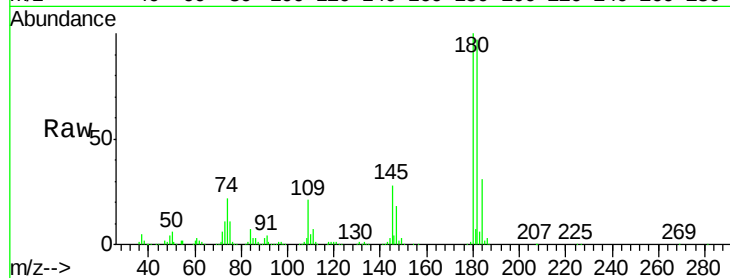
#93
 1,2,4-Trichlorobenzene
 Concen: 20.08 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

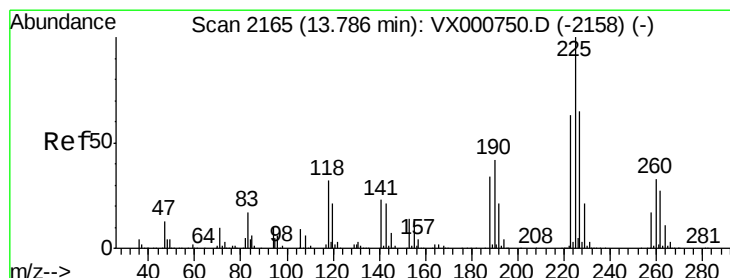
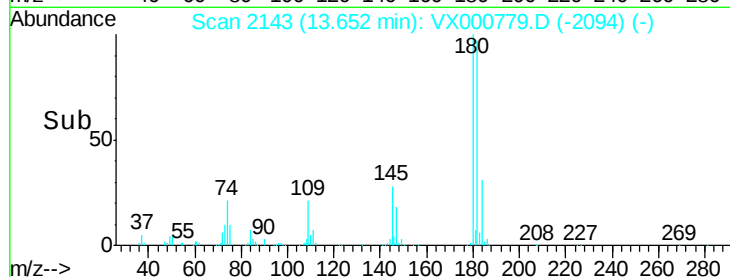
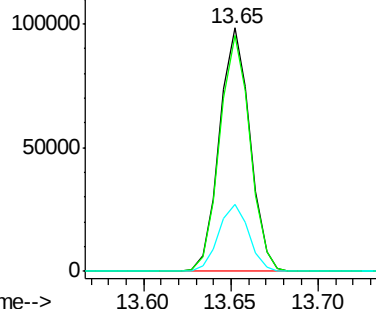
Tot Ion	Ratio	Resp	Lower	Upper
180	100	118475		
182	96.7	47.5	142.5	
145	27.7	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 4/12/2018 10:51:26 AM

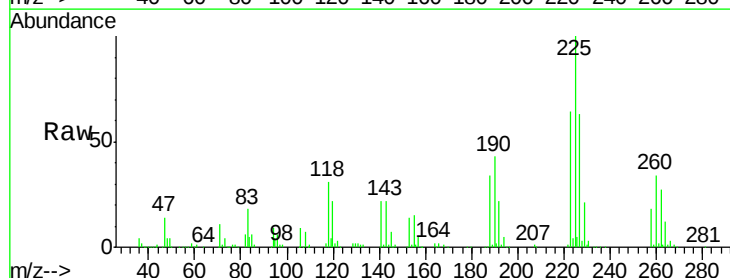


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

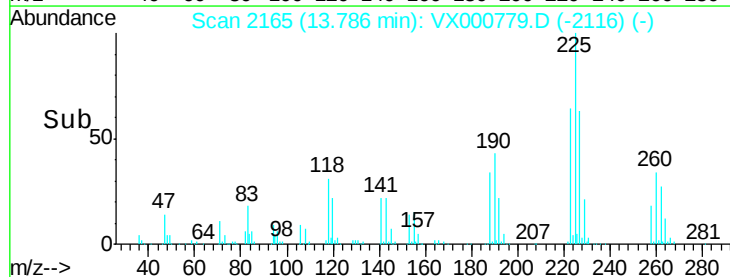
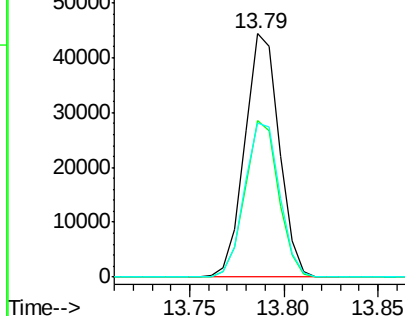


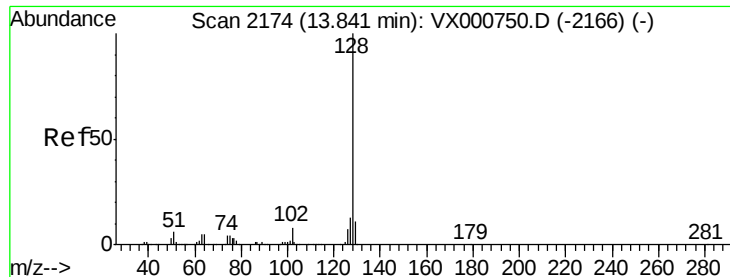
#94
 Hexachlorobutadiene
 Concen: 19.34 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX000779.D
 Acq: 11 Apr 2018 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56104		
223	62.6	31.2	93.6	
227	64.8	32.3	96.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.32 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Instrument :

MSVOA_X

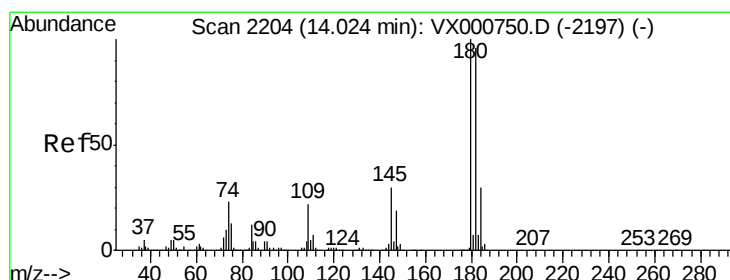
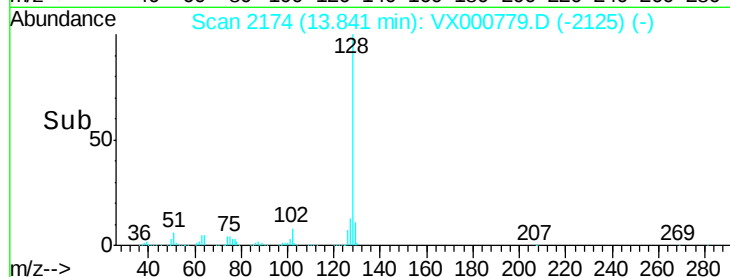
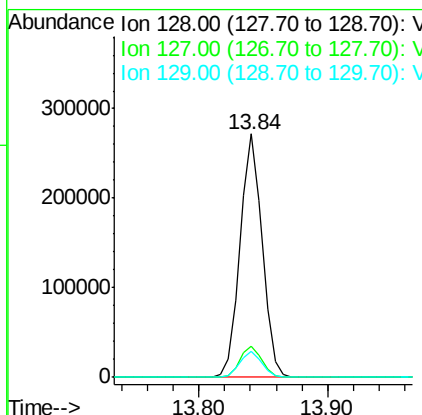
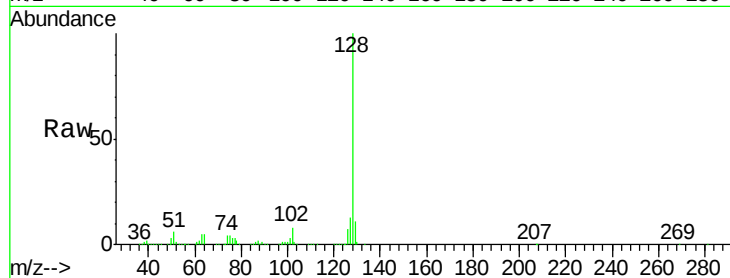
ClientSampleId :

VX0411WBSD01

Tot Ion:	128	Resp:	322996
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/12/2018 10:51:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.51 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX000779.D

Acq: 11 Apr 2018 15:30

Tgt Ion:	180	Resp:	117530
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.4	145.2
145	29.4	14.6	43.8

