

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\
 Data File : VX000845.D
 Acq On : 13 Apr 2018 13:27
 Operator : JC/MD
 Sample : J2133-09 MDL 0.2PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:59:57 PM

Quant Time: Apr 14 10:40:49 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	247456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338997	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209697	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	157685	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	5.51	113	129229	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.72	98	478158	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.14	95	191170	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	617	0.22	ug/l	84
3) Chloromethane	1.32	50	618	0.26	ug/l	92
4) Vinyl Chloride	1.40	62	605	0.22	ug/l #	79
5) Bromomethane	1.65	94	701	Below Cal	#	58
7) Trichlorofluoromethane	1.93	101	925	0.23	ug/l	98
8) Diethyl Ether	2.20	74	381m	0.25	ug/l	
9) 1,1,2-Trichlorotrifluoroet	2.38	101	615	0.26	ug/l	99
12) 1,1-Dichloroethene	2.37	96	679	0.30	ug/l #	80
14) Allyl chloride	2.73	41	1053	0.25	ug/l	98
15) Acrylonitrile	3.15	53	1732	1.47	ug/l #	81
16) Acetone	2.45	43	1913	1.78	ug/l #	86
17) Carbon Disulfide	2.57	76	2194	0.32	ug/l	99
18) Methyl Acetate	2.79	43	1053	0.38	ug/l #	89
19) Methyl tert-butyl Ether	3.21	73	1750	0.23	ug/l #	90
20) Methylene Chloride	2.85	84	1009	0.40	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	872	0.35	ug/l #	73
22) Diisopropyl ether	3.89	45	2467	0.32	ug/l #	63
23) Vinyl Acetate	3.84	43	6927	1.02	ug/l	96
24) 1,1-Dichloroethane	3.70	63	1199	0.28	ug/l #	85
25) 2-Butanone	4.73	43	2398	1.35	ug/l	92
26) 2,2-Dichloropropane	4.59	77	954m	0.22	ug/l	
27) cis-1,2-Dichloroethene	4.61	96	684	0.24	ug/l	90
28) Bromochloromethane	5.02	49	380	0.22	ug/l #	78
29) Tetrahydrofuran	5.18	42	1599	1.42	ug/l	97
30) Chloroform	5.21	83	1069	0.23	ug/l	95
31) Cyclohexane	5.59	56	1213	0.29	ug/l #	85
32) 1,1,1-Trichloroethane	5.51	97	955	0.22	ug/l #	24
36) 1,1-Dichloropropene	5.81	75	1217	0.33	ug/l	80
37) Ethyl Acetate	4.89	43	765	0.21	ug/l #	68
38) Carbon Tetrachloride	5.79	117	1188	0.28	ug/l #	79
39) Methylcyclohexane	7.46	83	1049	0.23	ug/l	96
40) Benzene	6.15	78	2230	0.21	ug/l #	78
42) 1,2-Dichloroethane	6.21	62	775	0.20	ug/l	86
43) Isopropyl Acetate	6.48	43	1343	0.21	ug/l #	67

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041318\
 Data File : VX000845.D
 Acq On : 13 Apr 2018 13:27
 Operator : JC/MD
 Sample : J2133-09 MDL 0.2PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

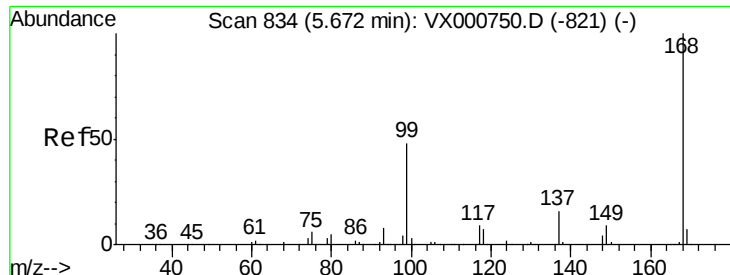
Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:59:57 PM

Quant Time: Apr 14 10:40:49 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)
44) Trichloroethene	7.21	130	699	0.22	ug/l	92
45) 1,2-Dichloropropane	7.52	63	547	0.21	ug/l #	89
46) Dibromomethane	7.68	93	533	0.29	ug/l #	74
48) Methyl methacrylate	7.79	41	1245	0.38	ug/l #	63
49) 1,4-Dioxane	7.77	88	244	3.75	ug/l #	70
51) 4-Methyl-2-Pentanone	8.66	43	3885	1.06	ug/l	95
52) Toluene	8.79	92	1541	0.22	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	892	0.20	ug/l	96
56) Ethyl methacrylate	9.19	69	918	0.22	ug/l #	80
57) 1,3-Dichloropropane	9.38	76	875	0.20	ug/l #	73
58) 2-Chloroethyl Vinyl ether	8.32	63	1278	0.65	ug/l	99
59) 2-Hexanone	9.51	43	2796	0.99	ug/l	98
61) 1,2-Dibromoethane	9.68	107	654	0.23	ug/l	100
64) Tetrachloroethene	9.35	164	790	0.26	ug/l #	82
65) Chlorobenzene	10.15	112	1735	0.22	ug/l #	81
67) Ethyl Benzene	10.26	91	3019	0.23	ug/l	95
68) m/p-Xylenes	10.37	106	2246	0.43	ug/l	97
69) o-Xylene	10.71	106	1098	0.22	ug/l	95
70) Styrene	10.72	104	1767	0.21	ug/l	94
73) Isopropylbenzene	11.02	105	2752	0.21	ug/l	90
74) N-amyl acetate	6.48	43	1343	0.22	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.27	83	873	0.23	ug/l	90
76) 1,2,3-Trichloropropane	11.14	75	92907	25.69	ug/l #	36
77) Bromobenzene	11.26	156	808	0.21	ug/l	84
78) n-propylbenzene	11.37	91	3281	0.22	ug/l	97
79) 2-Chlorotoluene	11.43	91	1992	0.22	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	2298	0.20	ug/l	96
82) 4-Chlorotoluene	11.51	91	2529	0.23	ug/l	97
83) tert-Butylbenzene	11.77	119	2488	0.21	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	2684	0.23	ug/l	97
85) sec-Butylbenzene	11.95	105	2838	0.21	ug/l	98
86) p-Isopropyltoluene	12.07	119	2873	0.22	ug/l #	77
87) 1,3-Dichlorobenzene	12.03	146	1888	0.26	ug/l	92
88) 1,4-Dichlorobenzene	12.10	146	2070m	0.28	ug/l	
89) n-Butylbenzene	12.40	91	2605	0.23	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	1627	0.23	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	211	0.22	ug/l	72
93) 1,2,4-Trichlorobenzene	13.65	180	1611	0.27	ug/l	92
94) Hexachlorobutadiene	13.79	225	805	0.28	ug/l	91
95) Naphthalene	13.84	128	3809	0.25	ug/l	96
96) 1,2,3-Trichlorobenzene	14.03	180	1476	0.26	ug/l	92

(#) = 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: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:168 Resp: 247456

Ion Ratio Lower Upper

168 100

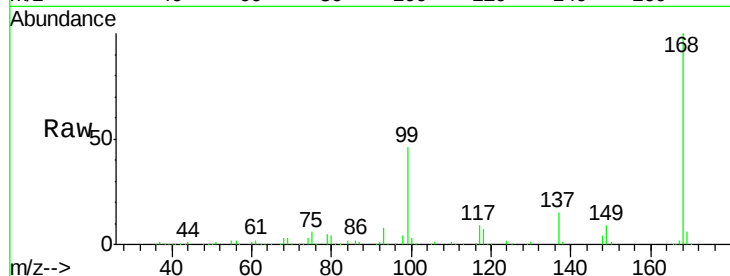
99 45.6 38.3 57.5

Manual Integrations

APPROVED

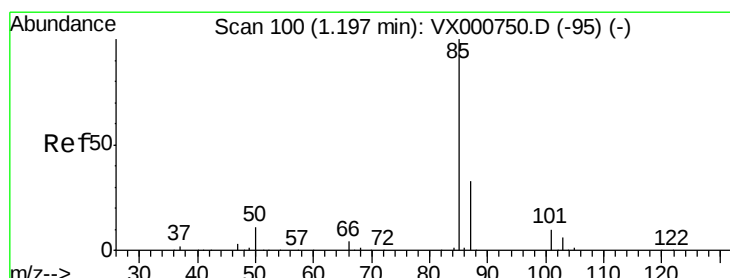
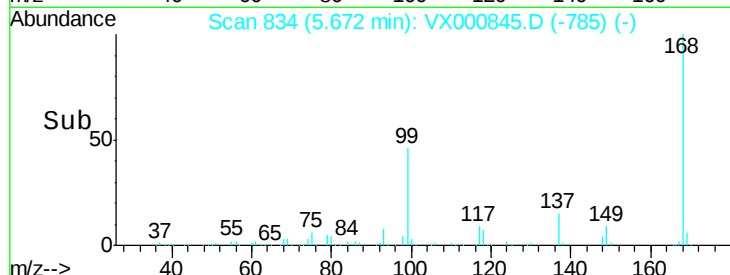
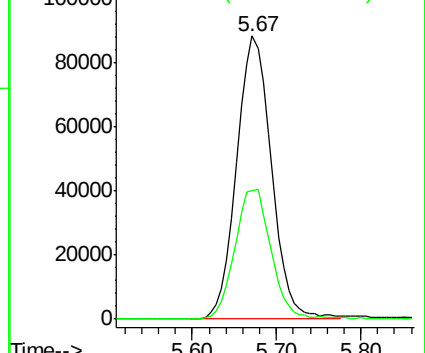
MMDadoda

4/16/2018 12:59:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.22 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX000845.D

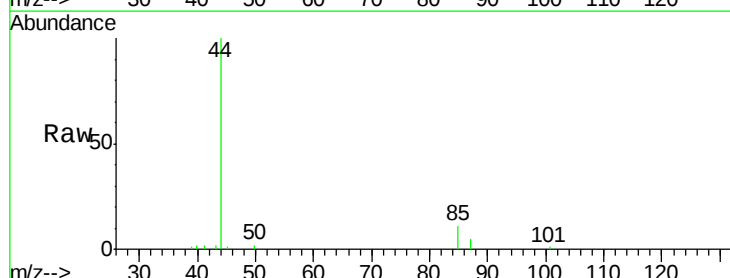
Acq: 13 Apr 2018 13:27

Tgt Ion: 85 Resp: 617

Ion Ratio Lower Upper

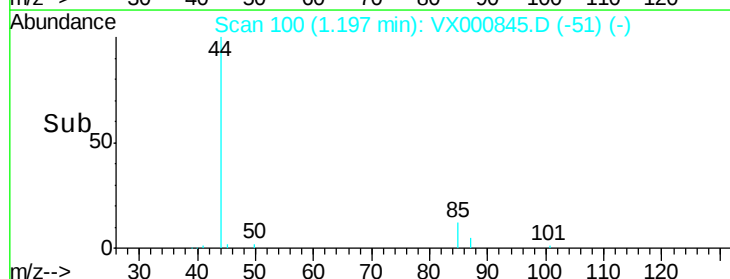
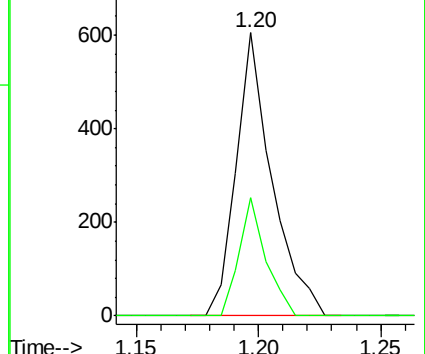
85 100

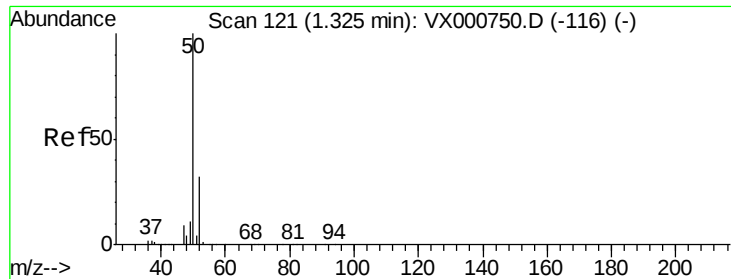
87 41.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 50 Resp: 618

Ion Ratio Lower Upper

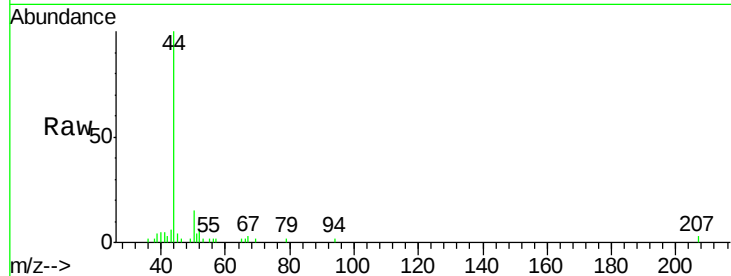
50 100

52 36.9 25.8 38.8

Manual Integrations
APPROVED

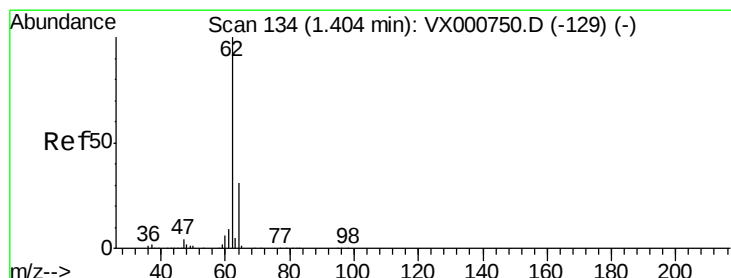
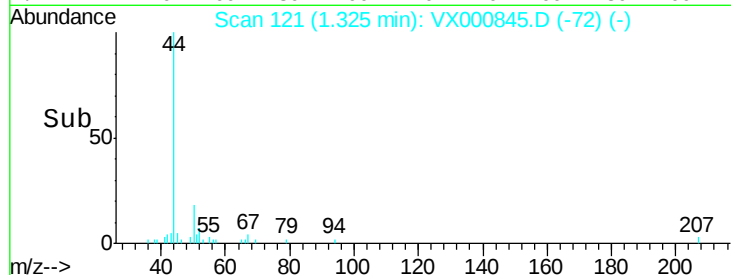
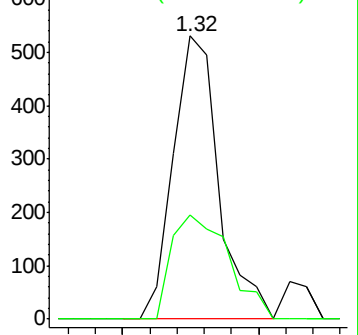
MMDadoda

4/16/2018 12:59:57 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.22 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000845.D

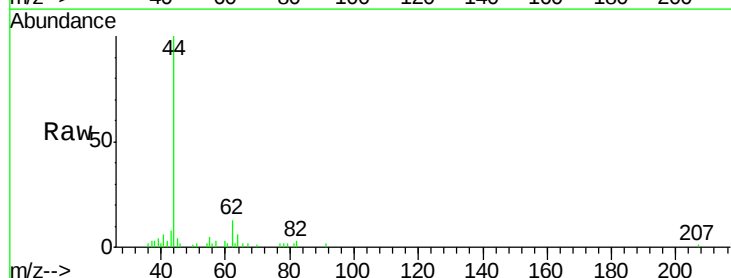
Acq: 13 Apr 2018 13:27

Tgt Ion: 62 Resp: 605

Ion Ratio Lower Upper

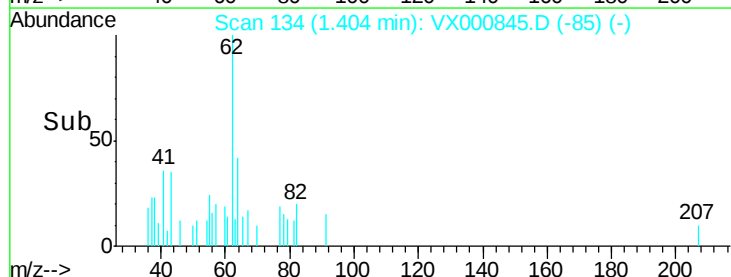
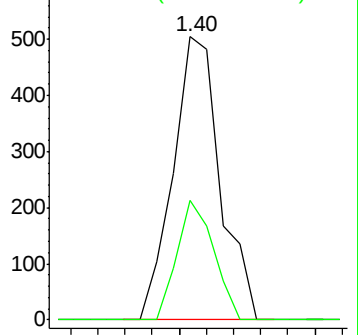
62 100

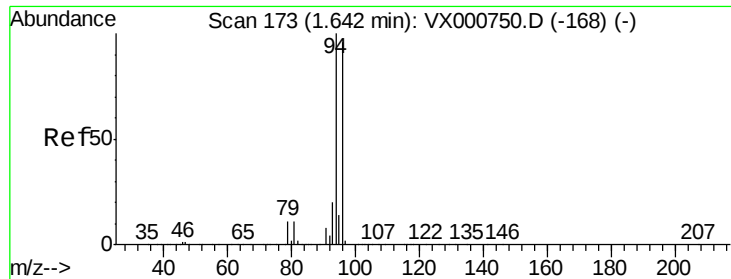
64 42.5 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 94 Resp: 701

Ion Ratio Lower Upper

94 100

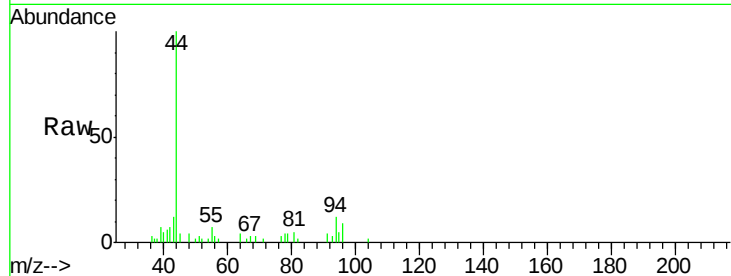
96 54.7 77.0 115.6#

Manual Integrations

APPROVED

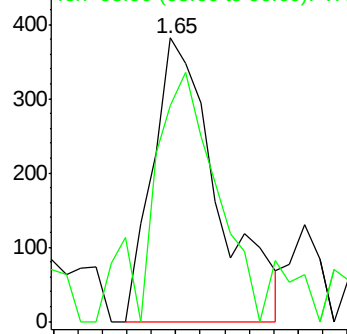
MMDadoda

4/16/2018 12:59:57 PM

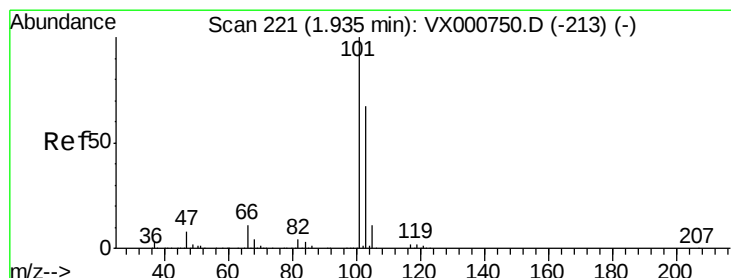
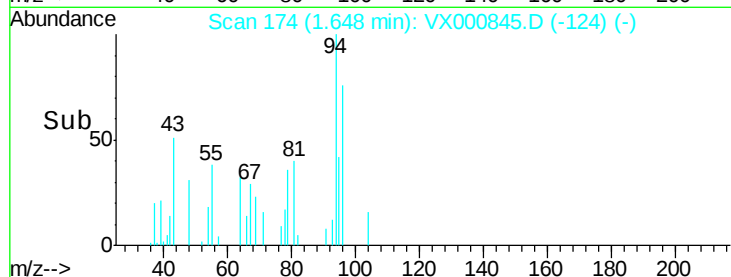


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#7

Trichlorofluoromethane

Concen: 0.23 ug/l

RT: 1.93 min Scan# 221

Delta R.T. -0.00 min

Lab File: VX000845.D

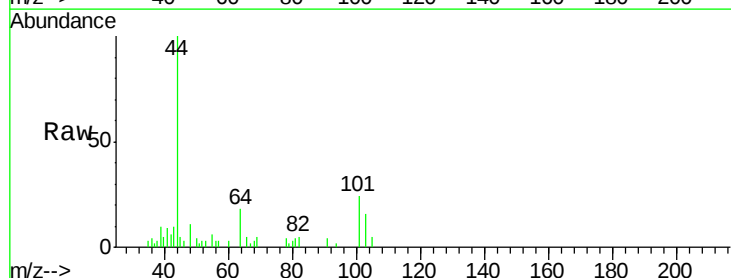
Acq: 13 Apr 2018 13:27

Tgt Ion:101 Resp: 925

Ion Ratio Lower Upper

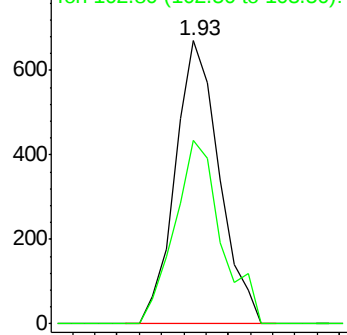
101 100

103 64.8 53.2 79.8

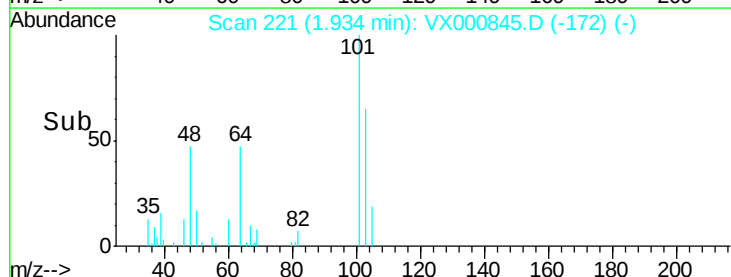


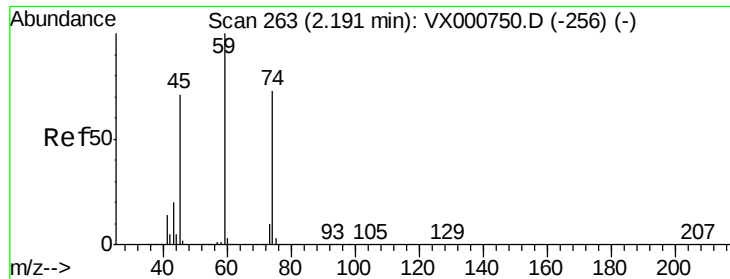
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->





#8

Diethyl Ether

Concen: 0.25 ug/l m

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 74 Resp: 381

Ion Ratio Lower Upper

74 100

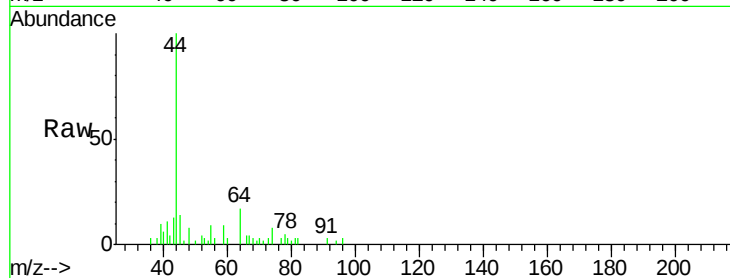
45 0.0 48.6 145.8#

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:59:57 PM



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

400

300

200

100

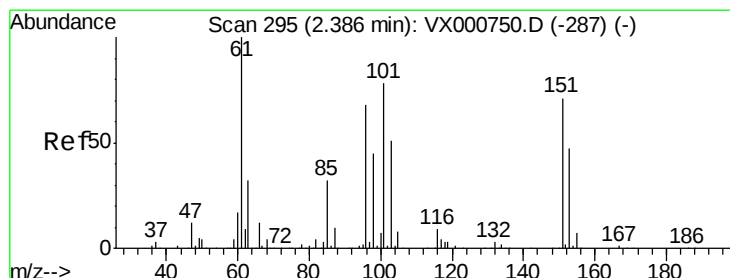
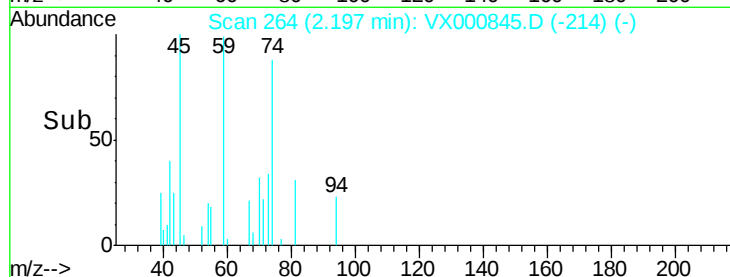
0

2.15

2.20

2.25

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.26 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

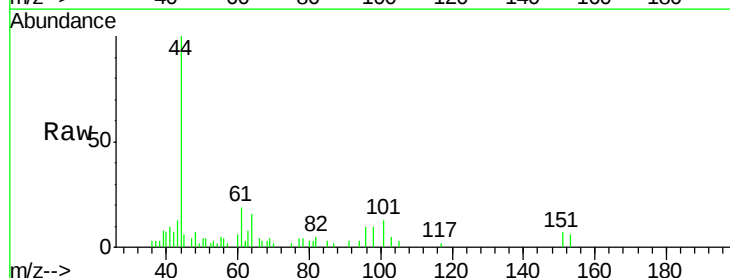
Tgt Ion: 101 Resp: 615

Ion Ratio Lower Upper

101 100

85 42.9 34.0 51.0

151 93.3 75.8 113.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

400

300

200

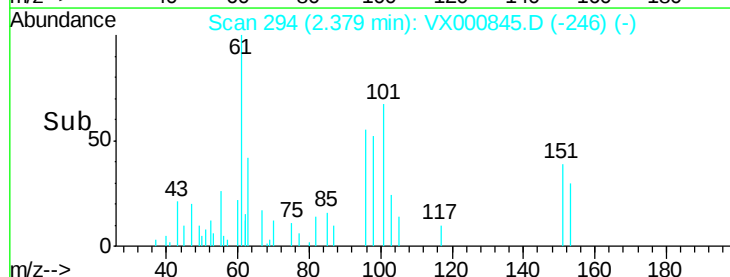
100

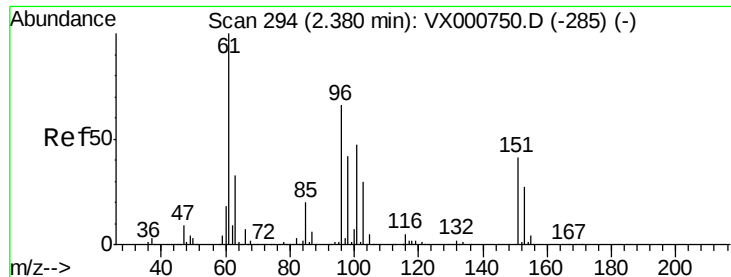
0

2.35

2.40

Time-->





#12

1,1-Dichloroethene

Concen: 0.30 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

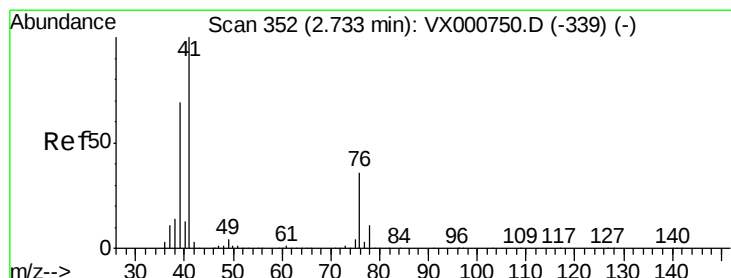
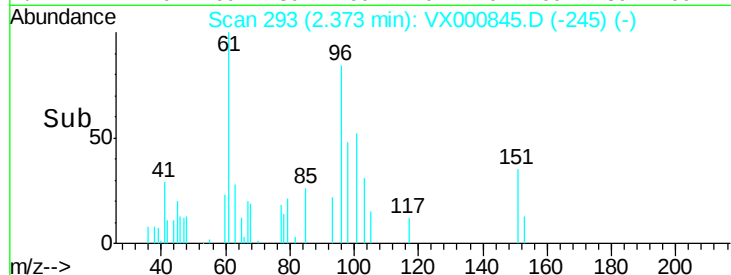
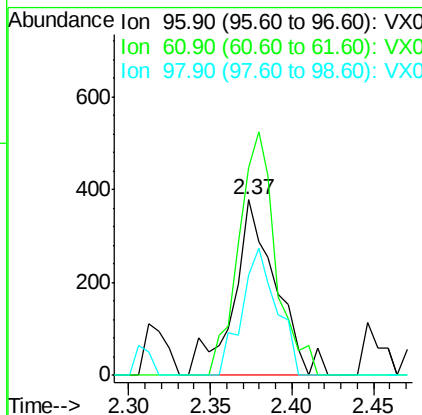
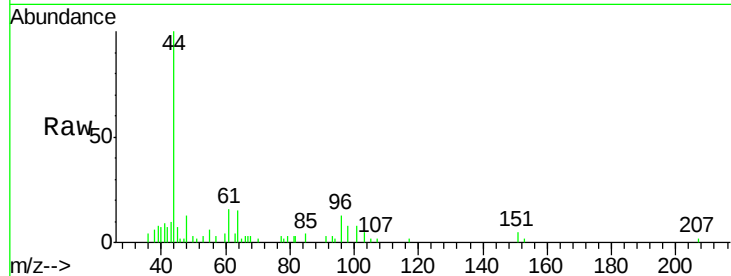
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	96	Resp:	679
Ion	Ratio	Lower	Upper
96	100		
61	118.5	120.5	180.7#
98	57.4	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#14

Allyl chloride

Concen: 0.25 ug/l

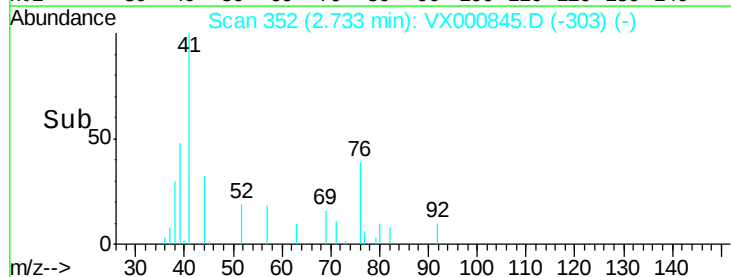
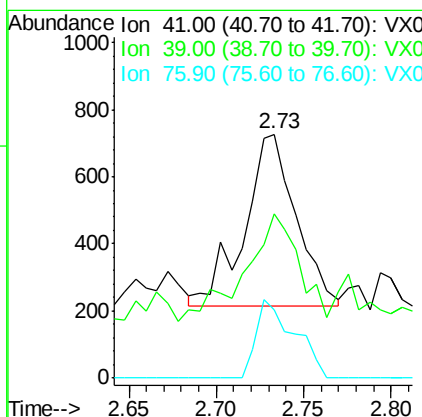
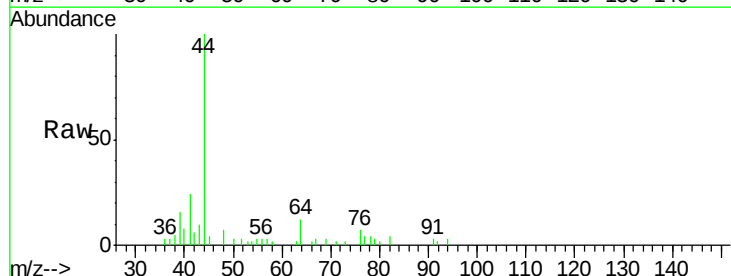
RT: 2.73 min Scan# 352

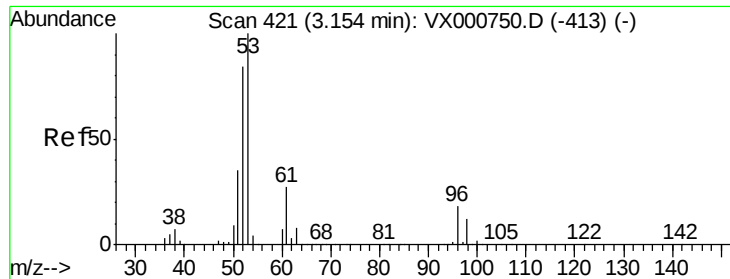
Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	41	Resp:	1053
Ion	Ratio	Lower	Upper
41	100		
39	65.7	51.5	77.3
76	33.9	26.5	39.7





#15

Acrylonitrile

Concen: 1.47 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

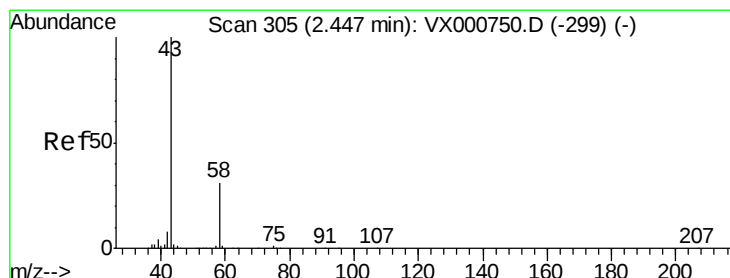
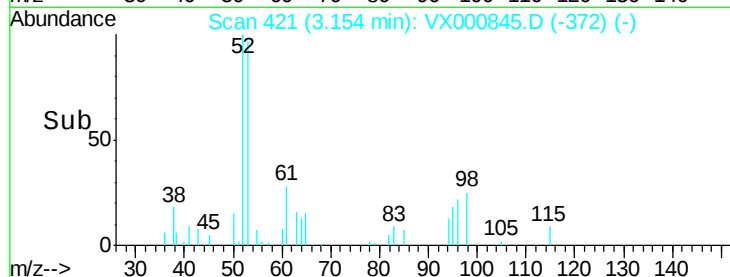
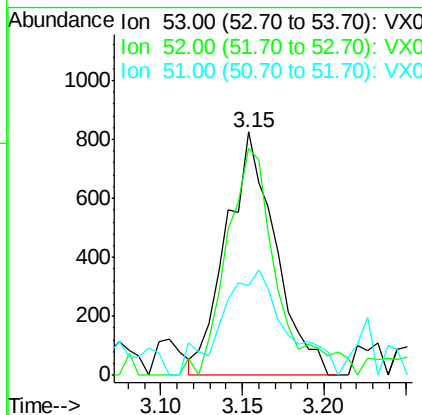
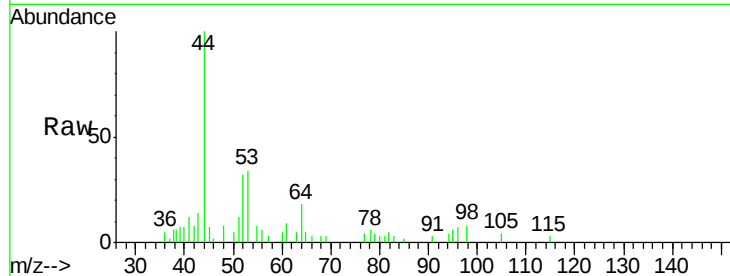
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	53	Resp:	1732
Ion Ratio	Lower	Upper	
53	100		
52	94.5	66.5	99.7
51	56.5	28.8	43.2#

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#16

Acetone

Concen: 1.78 ug/l

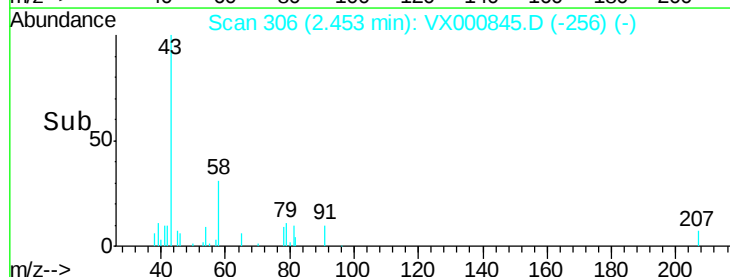
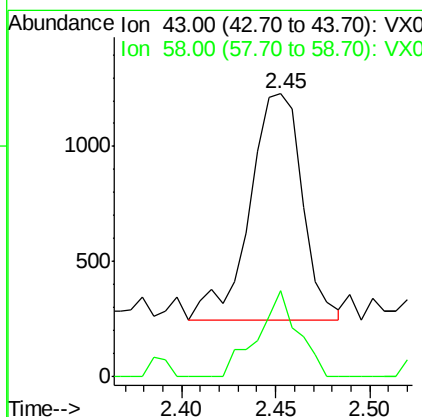
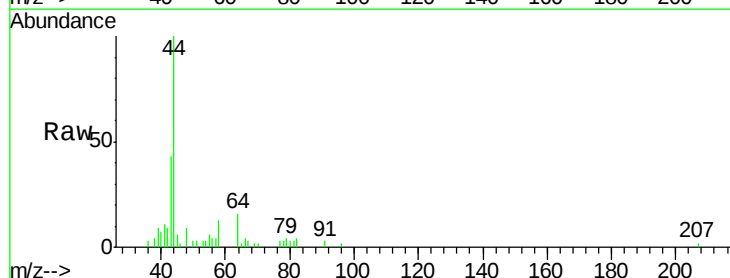
RT: 2.45 min Scan# 306

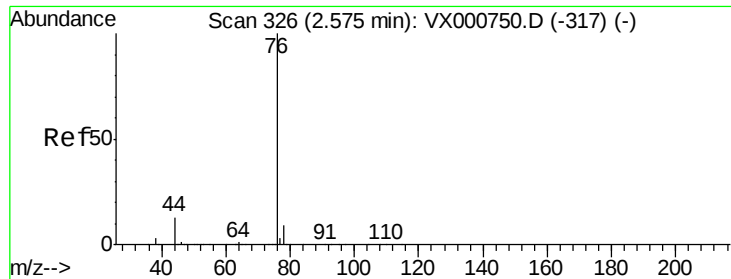
Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	43	Resp:	1913
Ion Ratio	Lower	Upper	
43	100		
58	38.2	24.6	37.0#





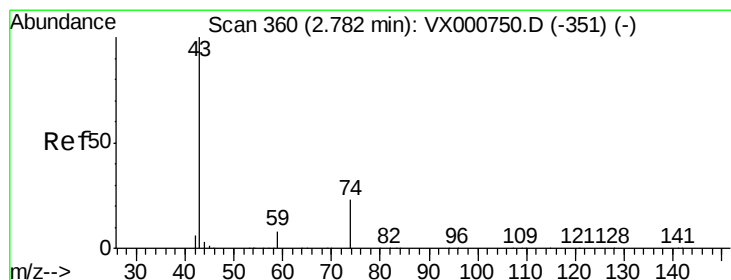
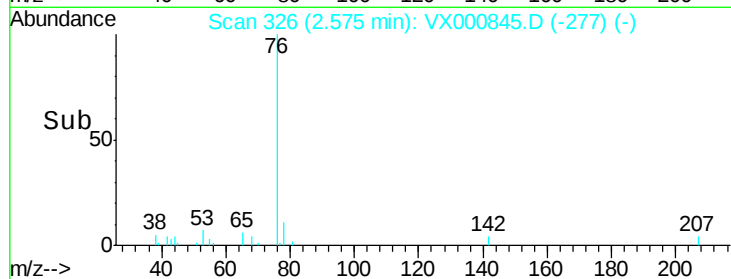
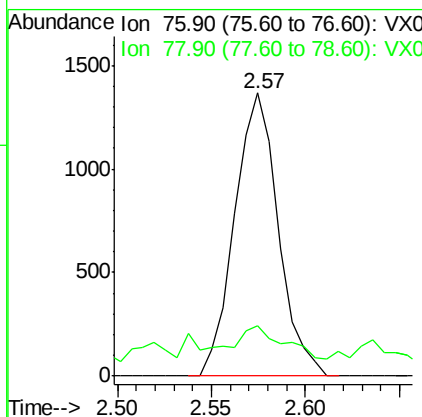
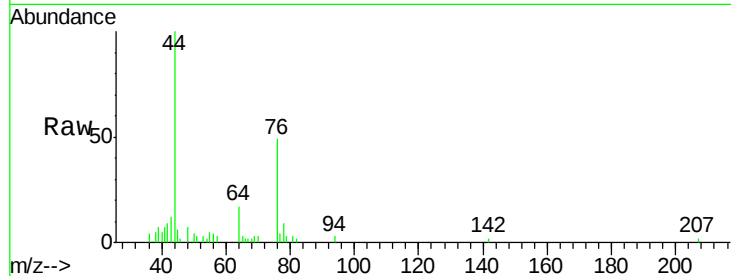
#17
Carbon Disulfide
Concen: 0.32 ug/l
RT: 2.57 min Scan# 326
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion: 76 Resp: 2194
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

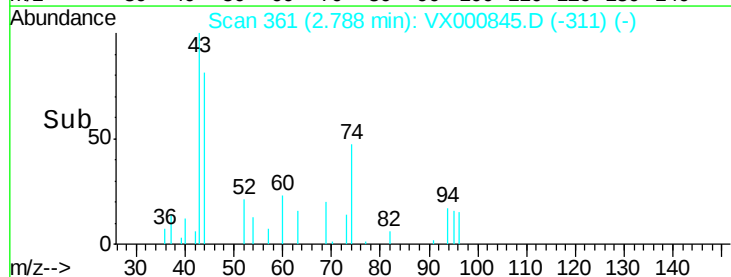
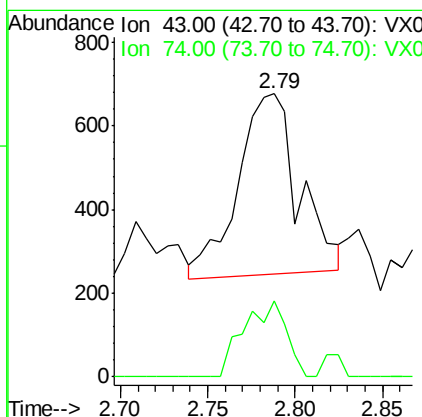
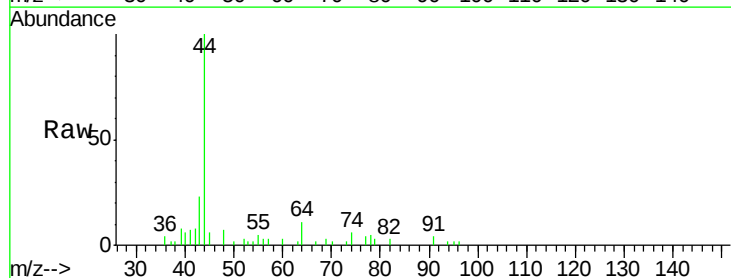
Manual Integrations
APPROVED

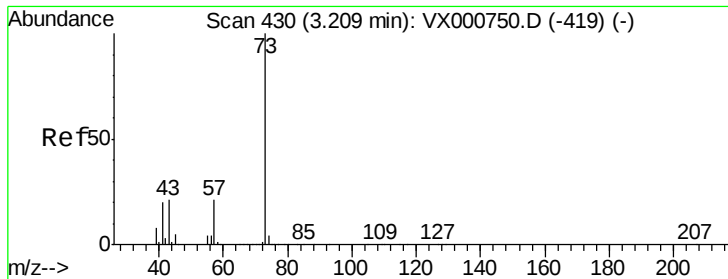
MMDadoda
4/16/2018 12:59:57 PM



#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
74 29.5 19.1 28.7#





#19

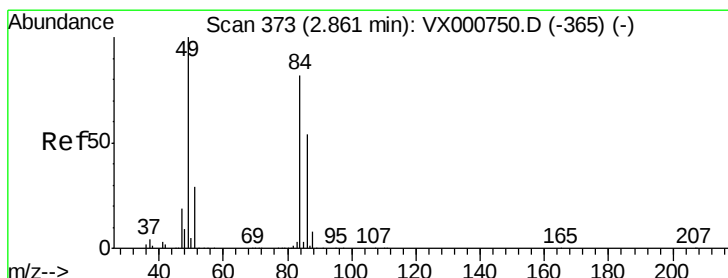
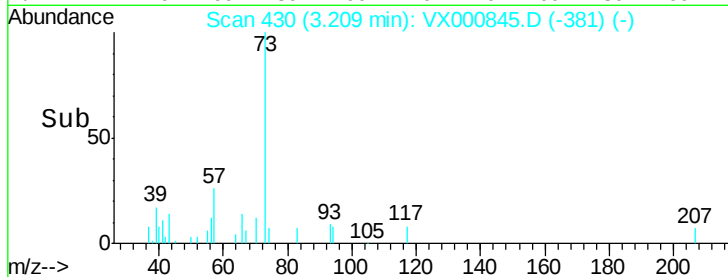
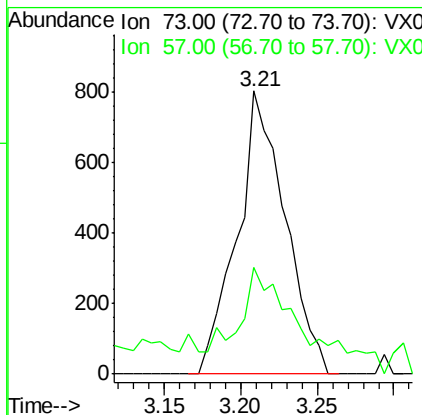
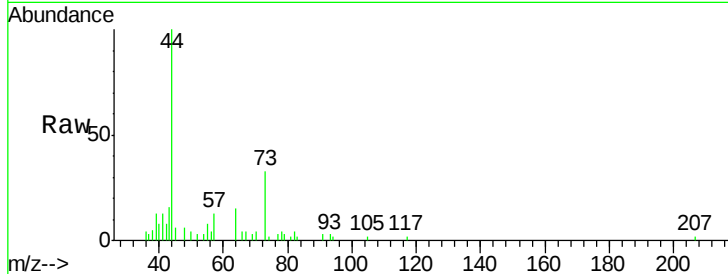
Methyl tert-butyl Ether
 Concen: 0.23 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.00 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.7	16.9	25.3#

Manual Integrations
 APPROVED

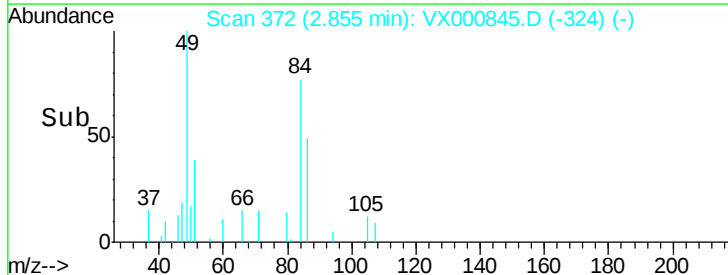
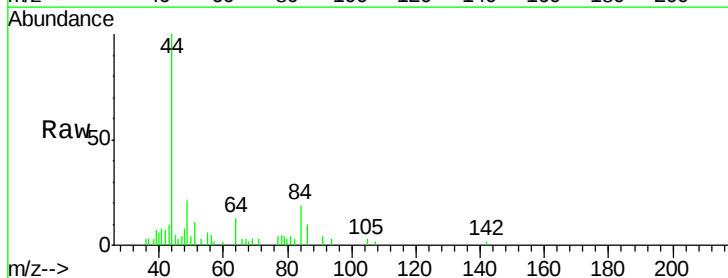
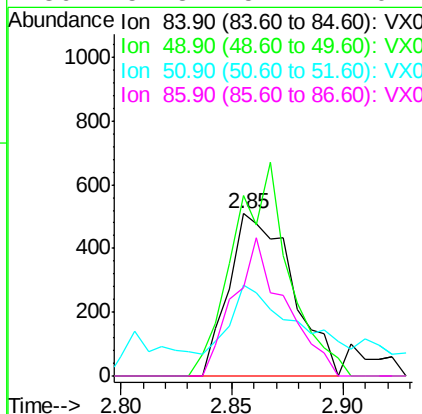
MMDadoda
 4/16/2018 12:59:57 PM

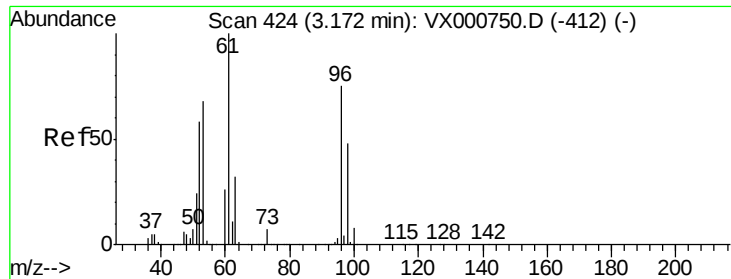


#20

Methylene Chloride
 Concen: 0.40 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.2	98.1	147.1
51	41.5	28.9	43.3
86	54.8	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 0.35 ug/l

RT: 3.17 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

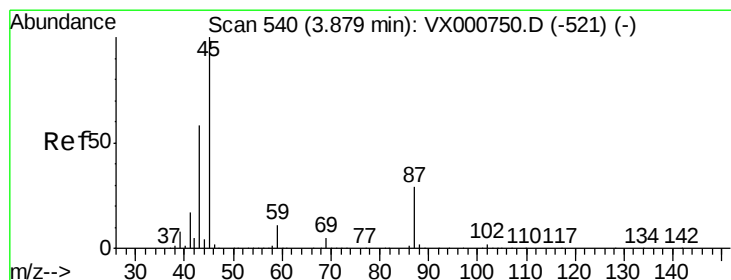
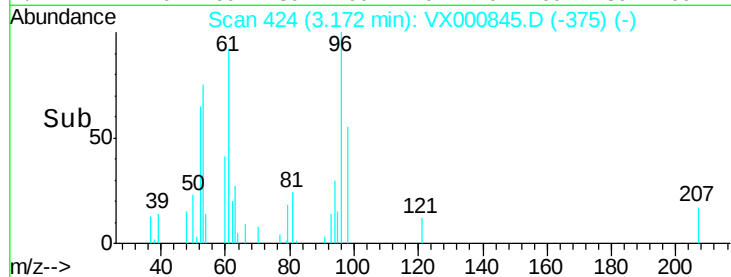
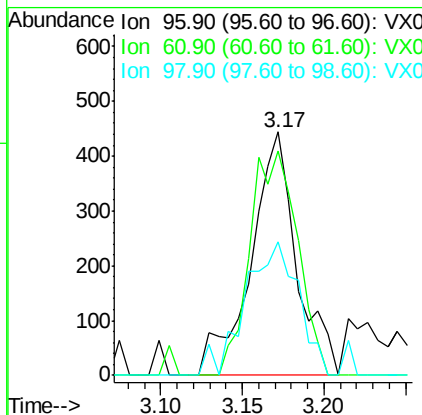
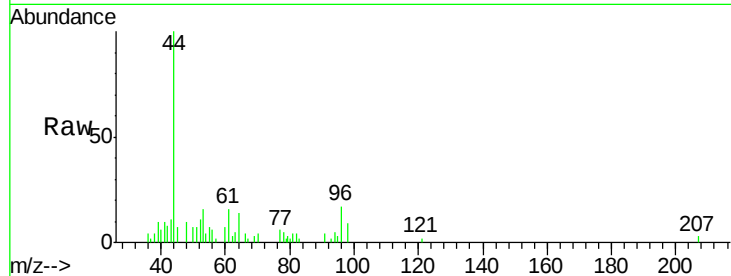
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	96	Resp:	872
Ion	Ratio	Lower	Upper
96	100		
61	92.1	106.2	159.2#
98	55.2	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#22

Diisopropyl ether

Concen: 0.32 ug/l

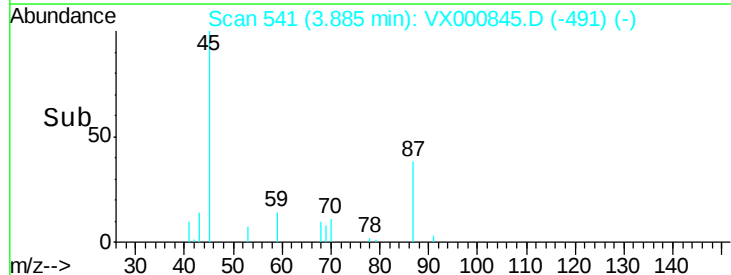
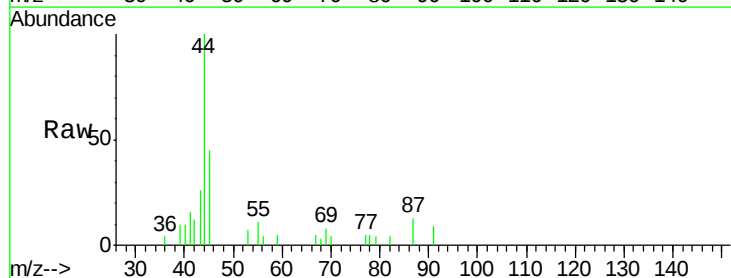
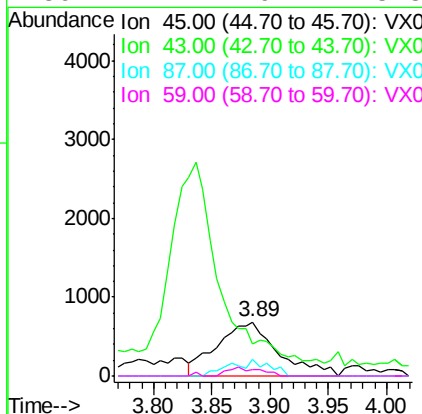
RT: 3.89 min Scan# 541

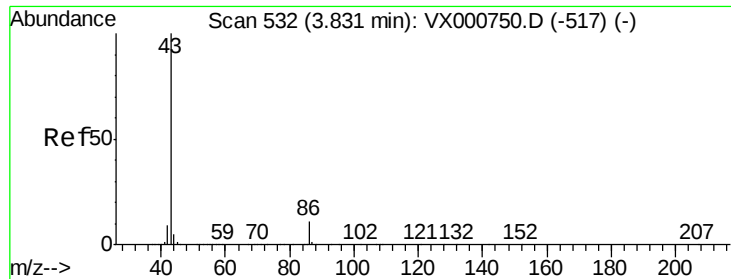
Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	45	Resp:	2467
Ion	Ratio	Lower	Upper
45	100		
43	12.6	46.6	69.8#
87	29.8	22.9	34.3
59	11.1	9.2	13.8





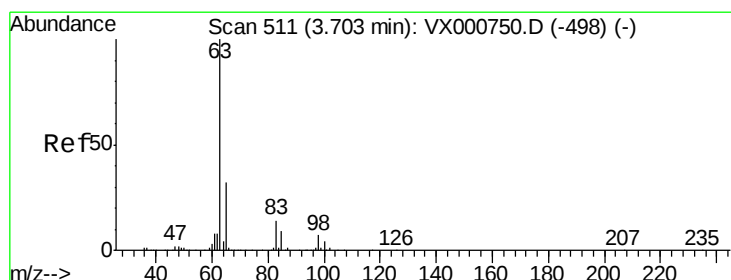
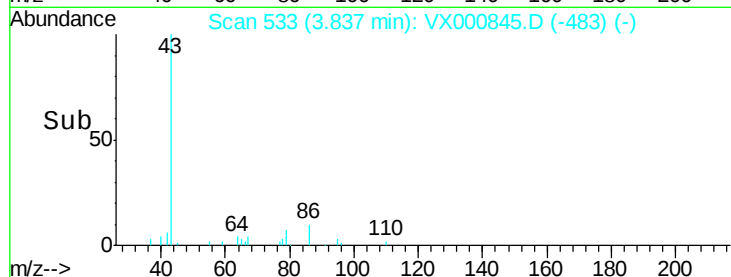
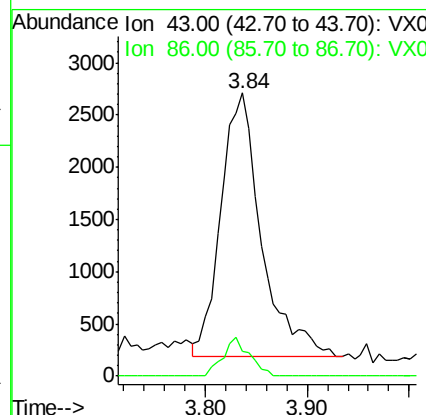
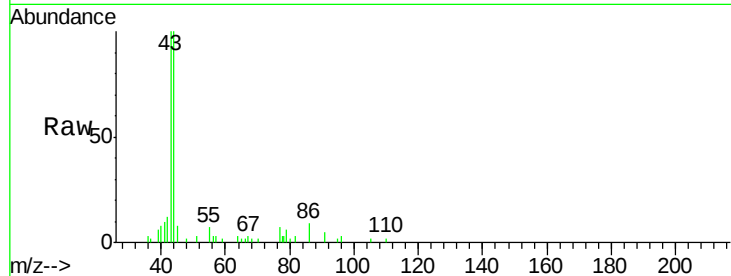
#23
 Vinyl Acetate
 Concen: 1.02 ug/l
 RT: 3.84 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.3	8.6	12.8

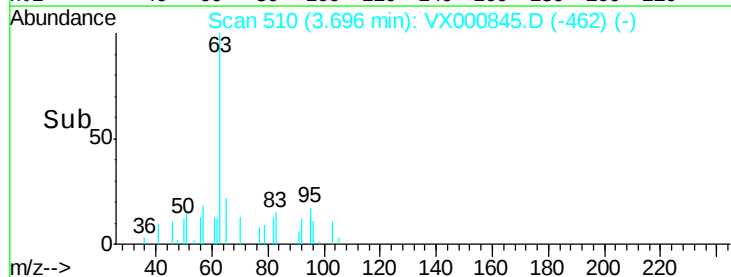
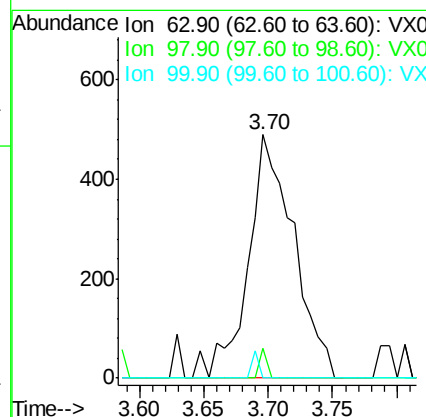
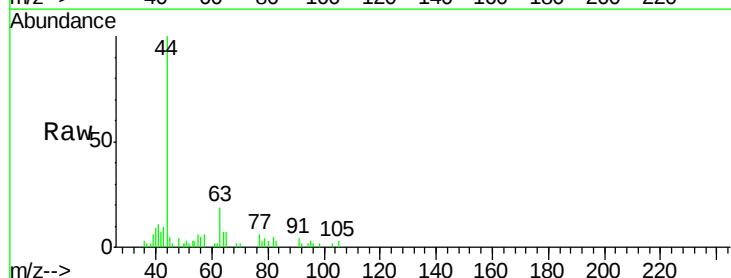
Manual Integrations
 APPROVED

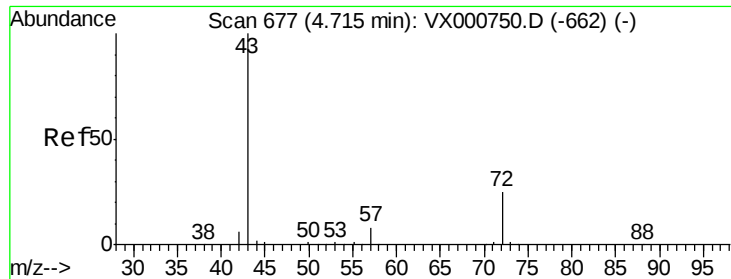
MMDadoda
 4/16/2018 12:59:57 PM



#24
 1,1-Dichloroethane
 Concen: 0.28 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
63	100		
98	12.0	3.3	9.9#
100	0.0	2.1	6.3#





#25

2-Butanone

Concen: 1.35 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tot Ion: 43 Resp: 2398

Ion Ratio Lower Upper

43 100

72 21.1 20.3 30.5

Instrument :

MSVOA_X

ClientSampleId :

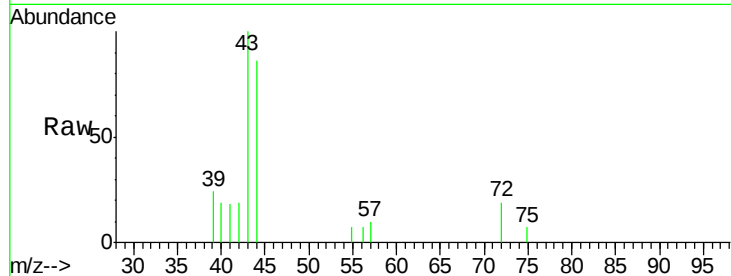
MDL-WATER-03-QT2-2018

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:59:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.73

800

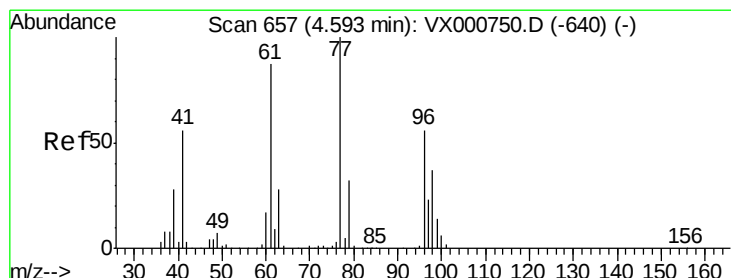
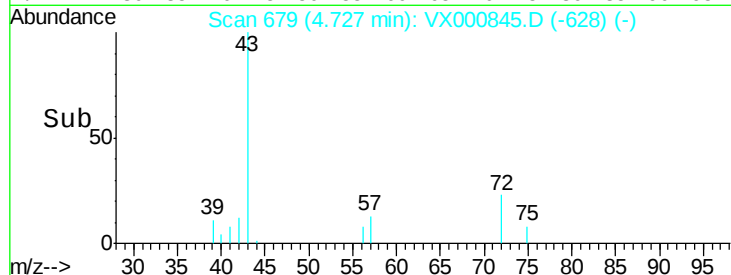
600

400

200

0

Time-->



#26

2,2-Dichloropropane

Concen: 0.22 ug/l m

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX000845.D

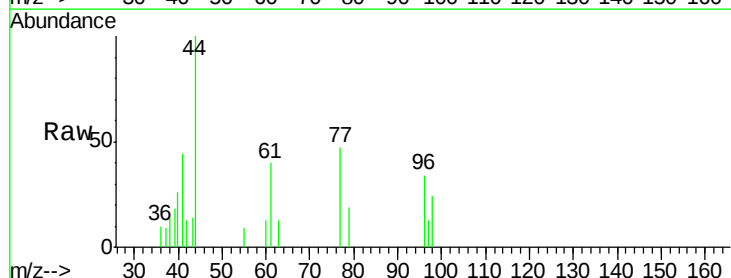
Acq: 13 Apr 2018 13:27

Tgt Ion: 77 Resp: 954

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

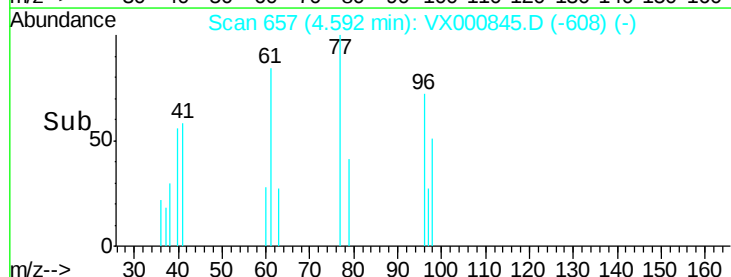
300

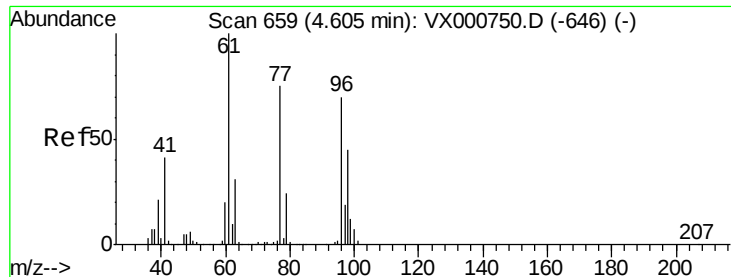
200

100

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 0.24 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

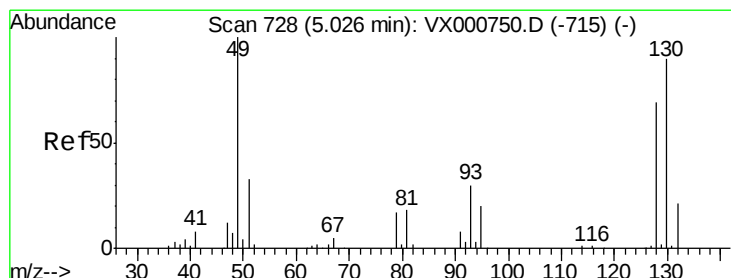
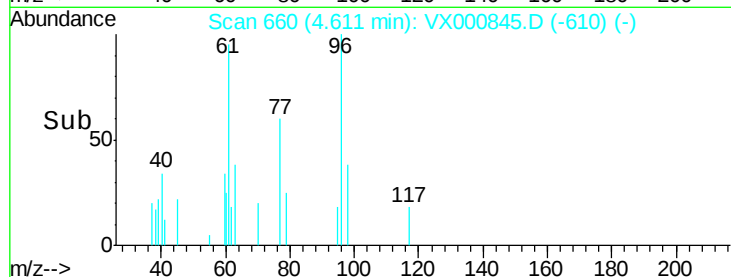
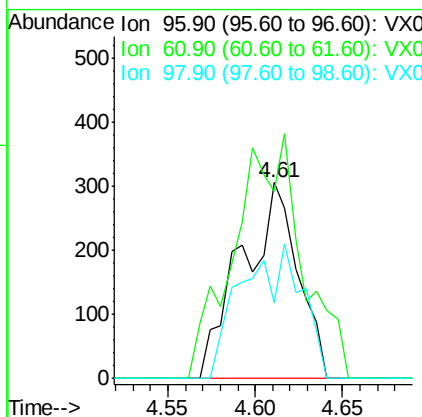
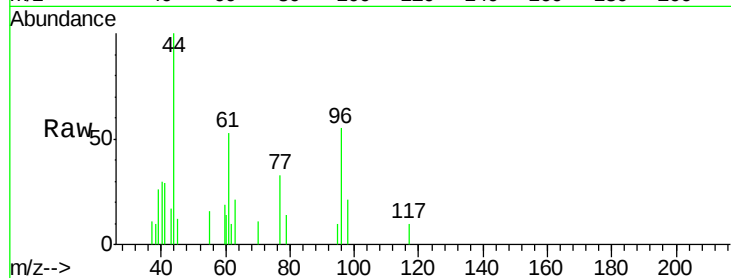
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	96	Resp:	684
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	292.4
98	43.4	0.0	130.2

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#28

Bromochloromethane

Concen: 0.22 ug/l

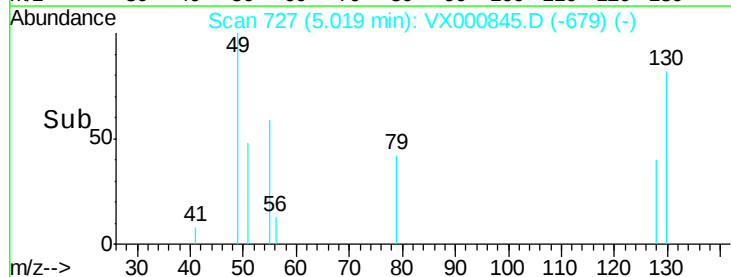
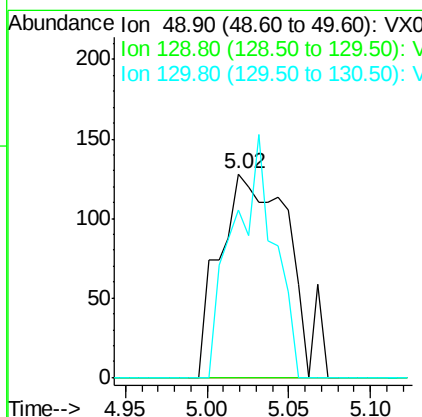
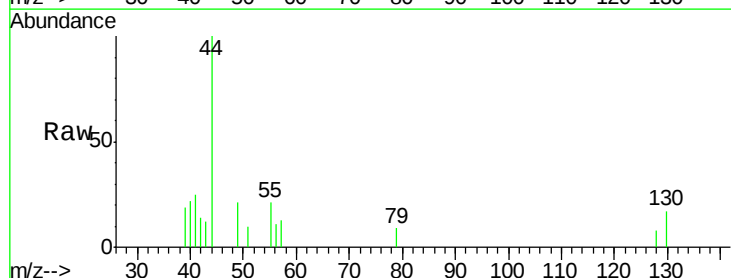
RT: 5.02 min Scan# 727

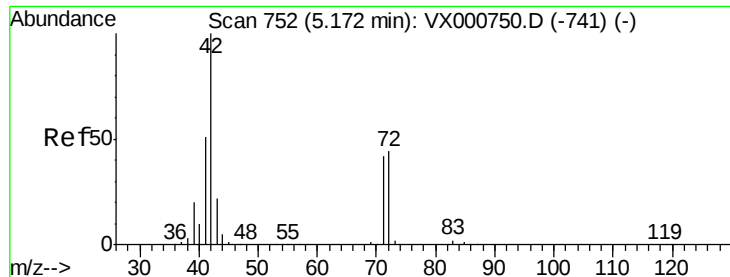
Delta R.T. -0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	49	Resp:	380
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	70.0	72.6	109.0#





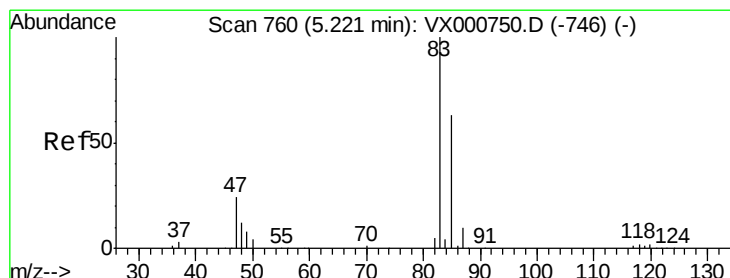
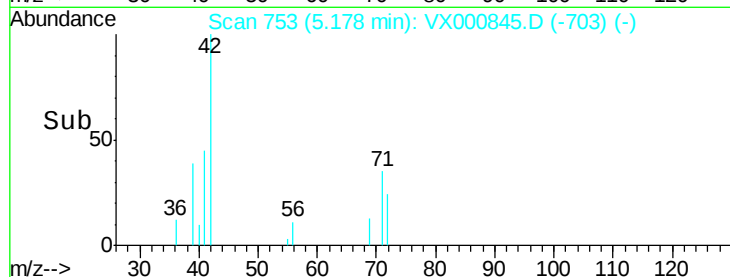
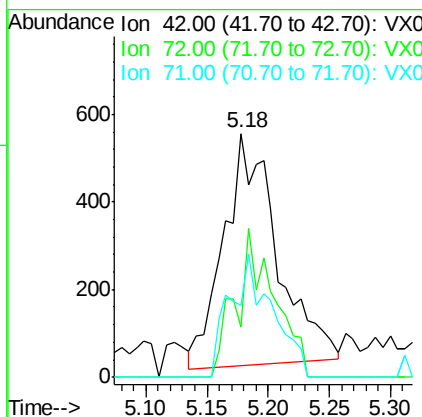
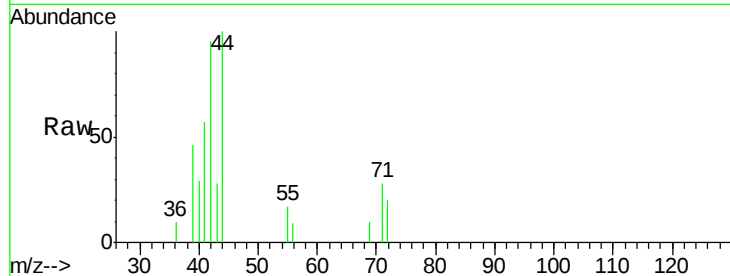
#29
Tetrahydrofuran
Concen: 1.42 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	35.1	52.7
71	42.1	32.8	49.2

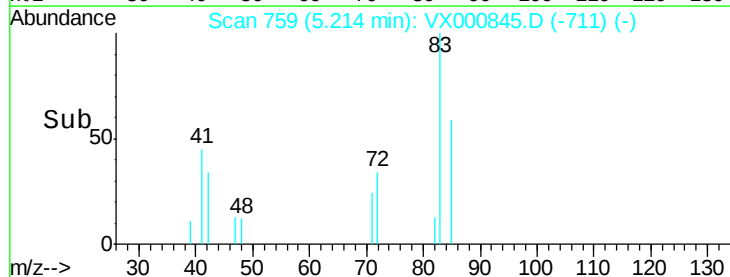
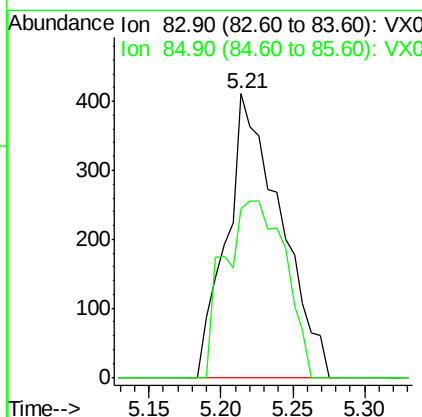
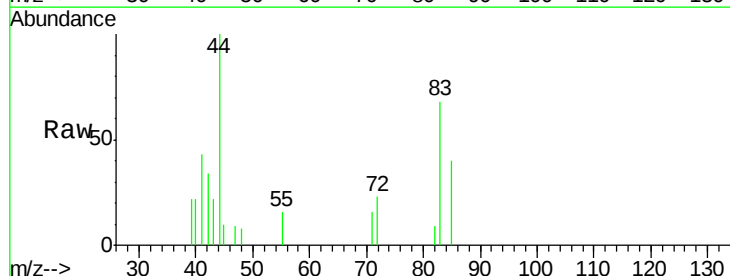
Manual Integrations
APPROVED

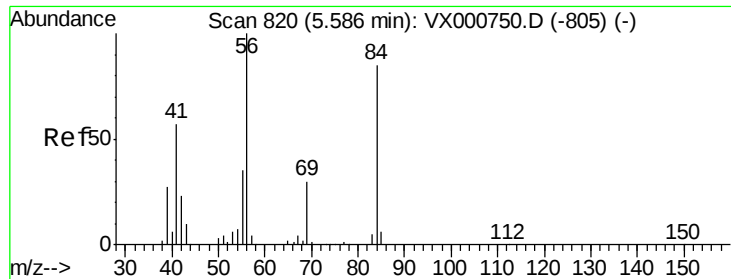
MMDadoda
4/16/2018 12:59:57 PM



#30
Chloroform
Concen: 0.23 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.4	50.7	76.1





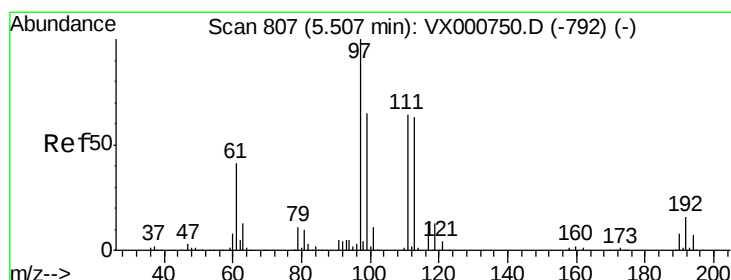
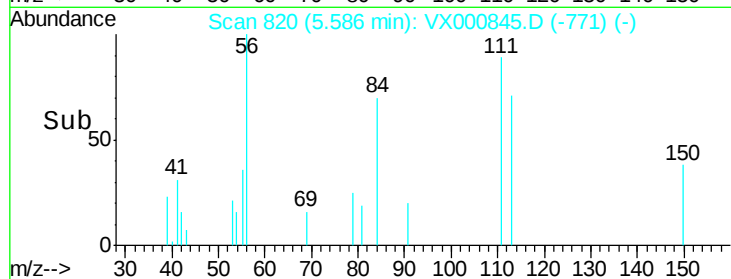
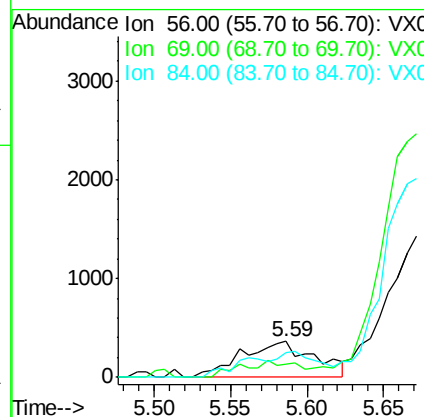
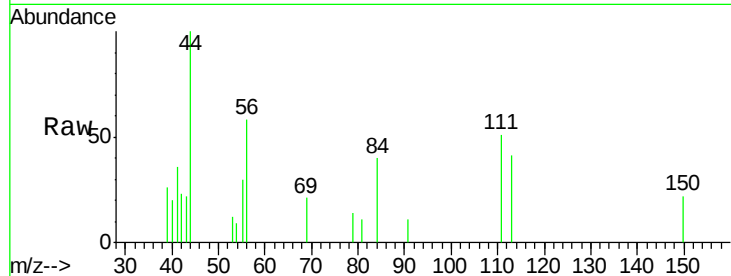
#31
Cyclohexane
Concen: 0.29 ug/l
RT: 5.59 min Scan# 820
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	24.2	36.4#
84	69.7	67.6	101.4

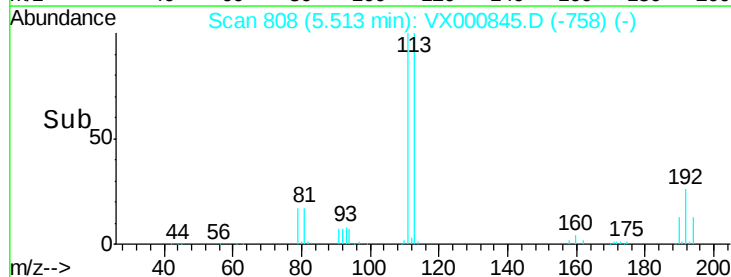
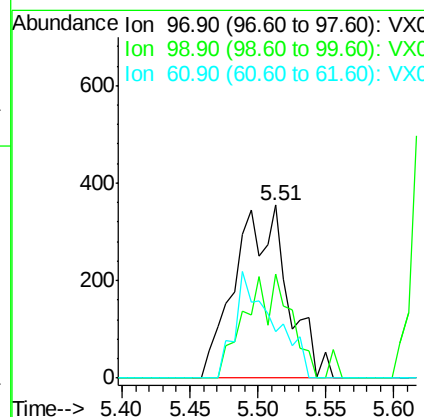
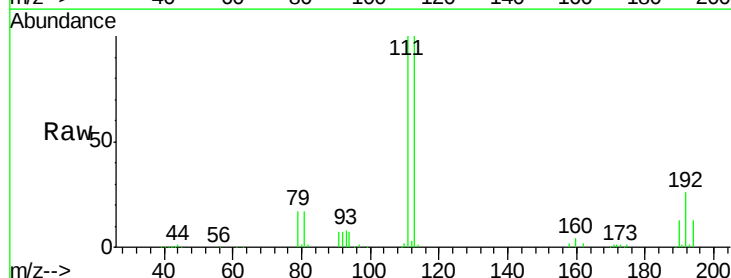
Manual Integrations
APPROVED

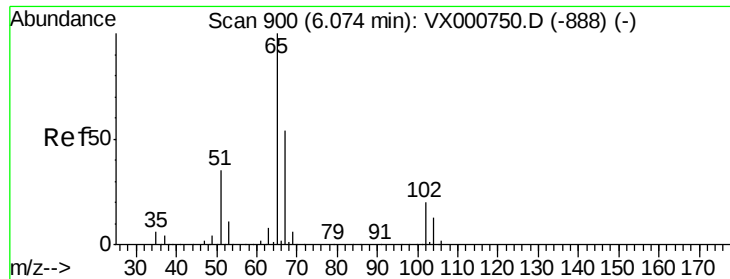
MMDadoda
4/16/2018 12:59:57 PM



#32
1,1,1-Trichloroethane
Concen: 0.22 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	0.0	33.7	50.5#





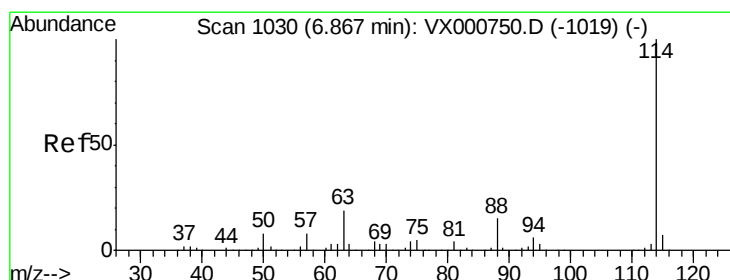
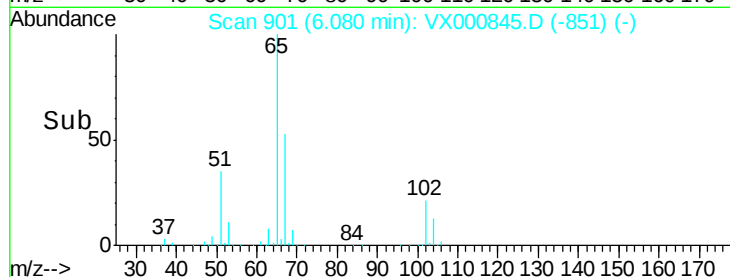
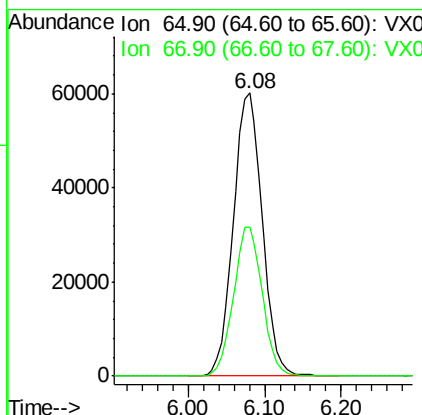
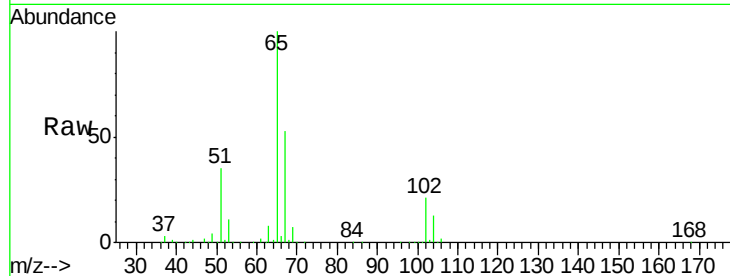
#33
 1,2-Dichloroethane-d4
 Concen: 50.54 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
65	100	157685		
67	52.2	0.0	103.8	

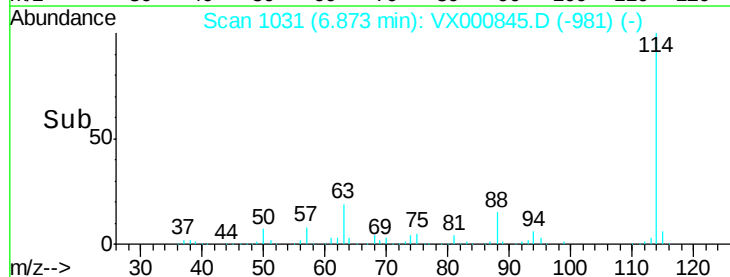
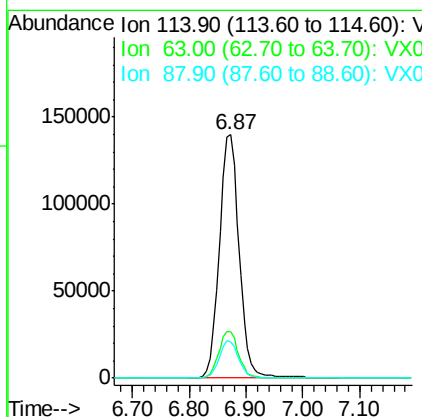
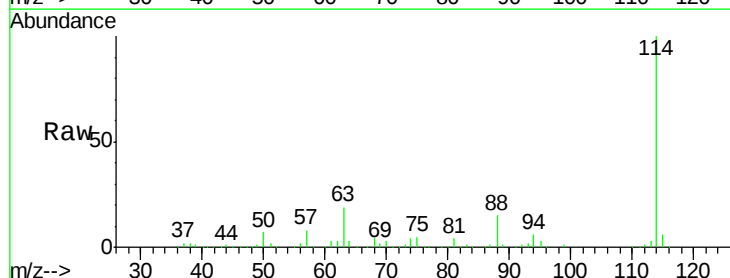
Manual Integrations
 APPROVED

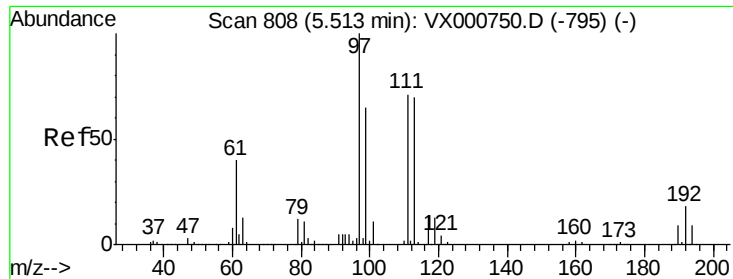
MMDadoda
 4/16/2018 12:59:57 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338997		
63	19.3	0.0	38.4	
88	15.0	0.0	31.0	





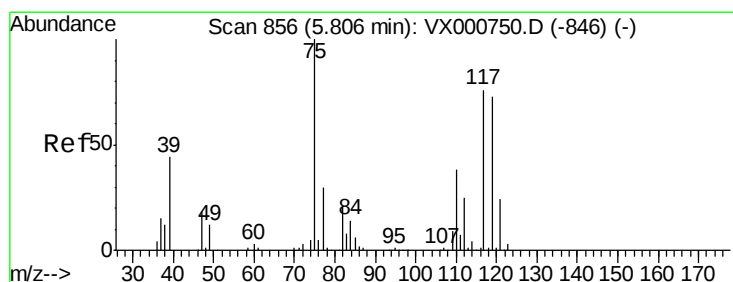
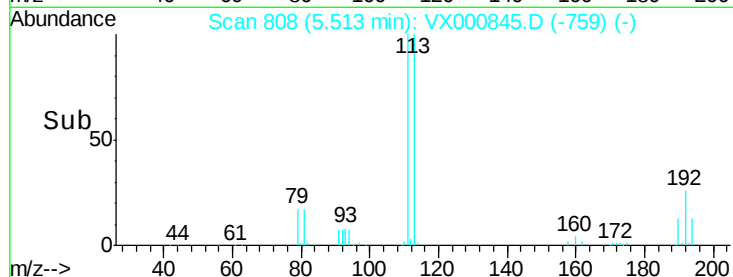
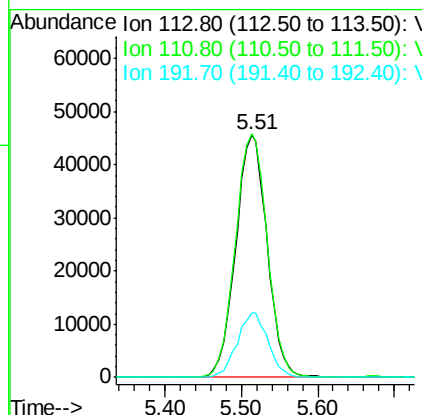
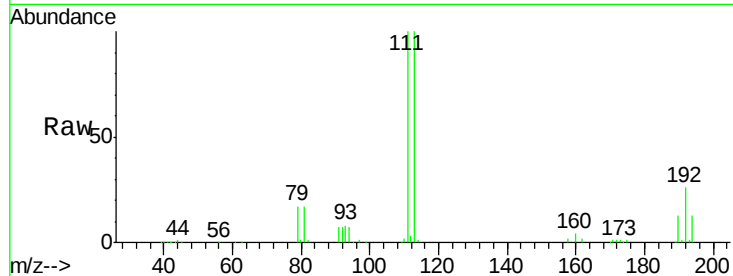
#35
 Dibromofluoromethane
 Concen: 49.48 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129229		
111	102.2	81.5	122.3	
192	26.2	20.4	30.6	

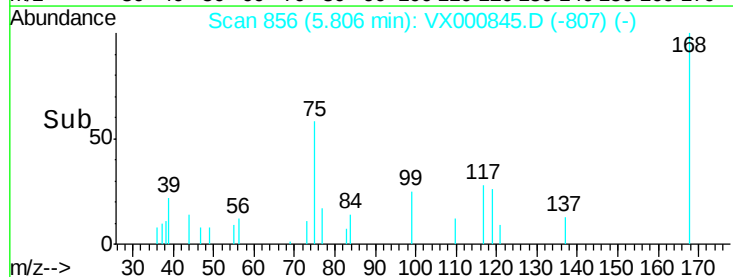
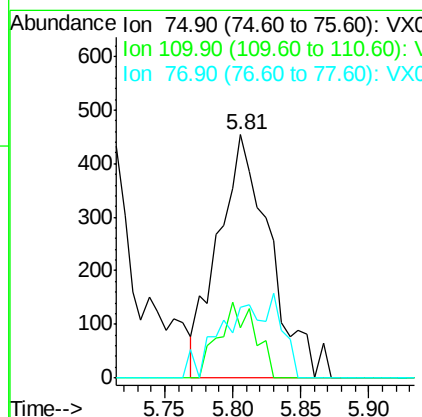
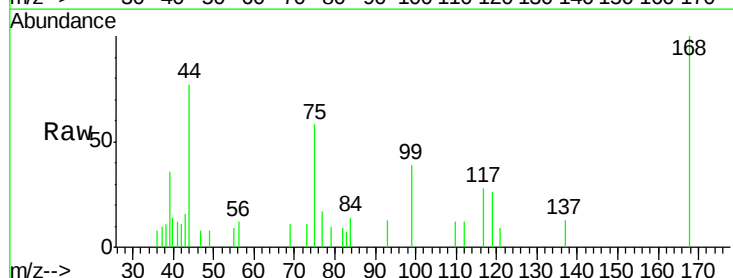
Manual Integrations
 APPROVED

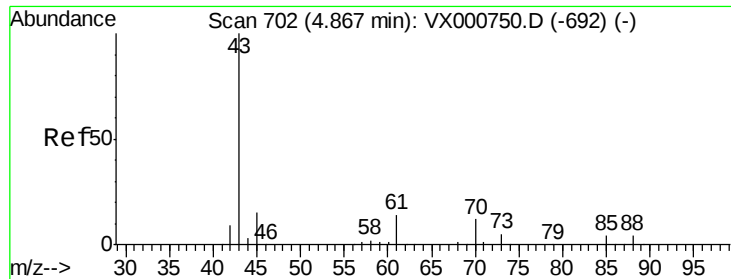
MMDadoda
 4/16/2018 12:59:57 PM



#36
 1,1-Dichloropropene
 Concen: 0.33 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1217		
110	21.2	19.2	57.6	
77	26.5	25.4	38.2	





#37

Ethyl Acetate

Concen: 0.21 ug/l

RT: 4.89 min Scan# 706

Delta R.T. 0.02 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

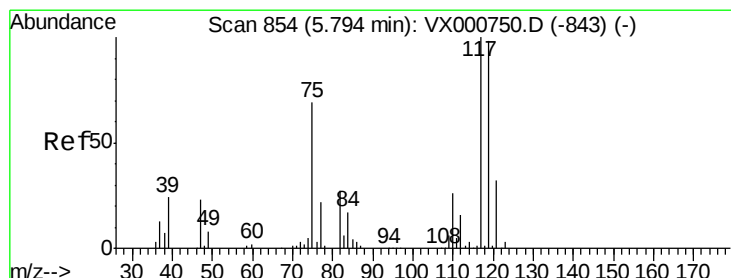
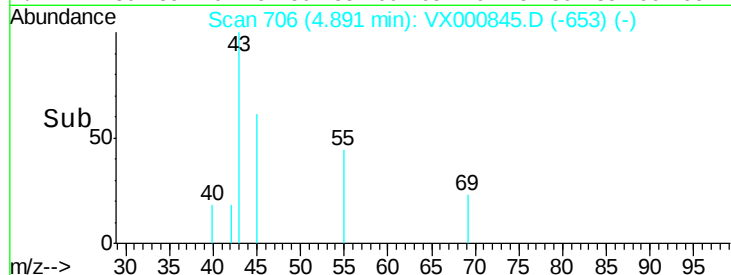
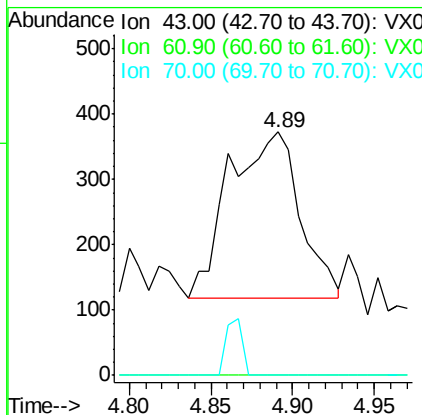
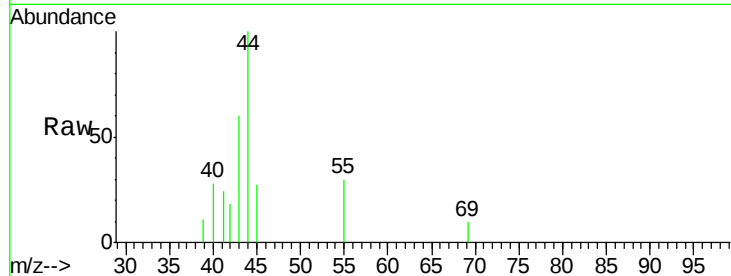
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	43	Resp:	765
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	0.0	8.7	13.1#

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#38

Carbon Tetrachloride

Concen: 0.28 ug/l

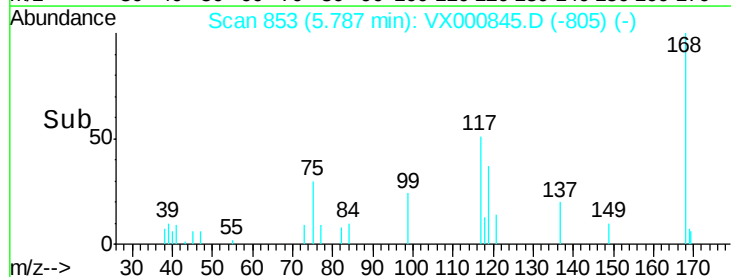
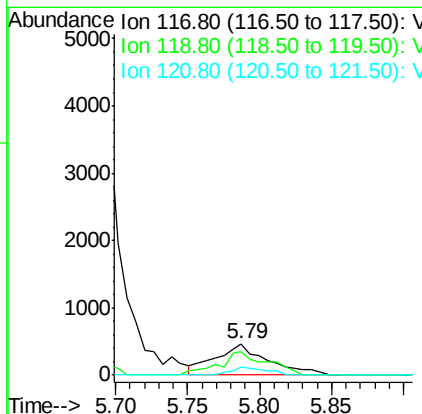
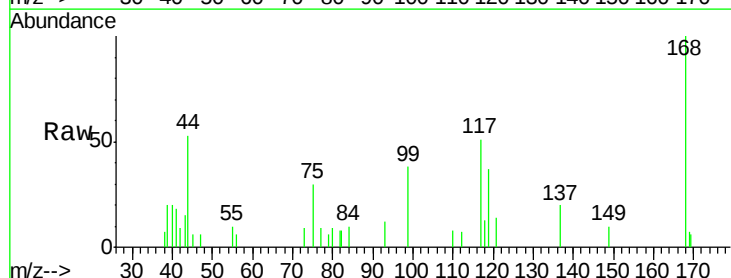
RT: 5.79 min Scan# 853

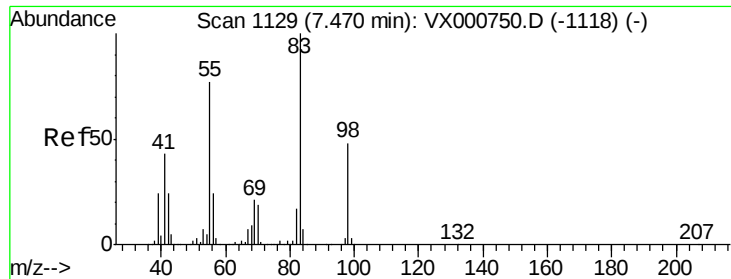
Delta R.T. -0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	117	Resp:	1188
Ion	Ratio	Lower	Upper
117	100		
119	73.4	78.4	117.6#
121	27.5	25.4	38.0





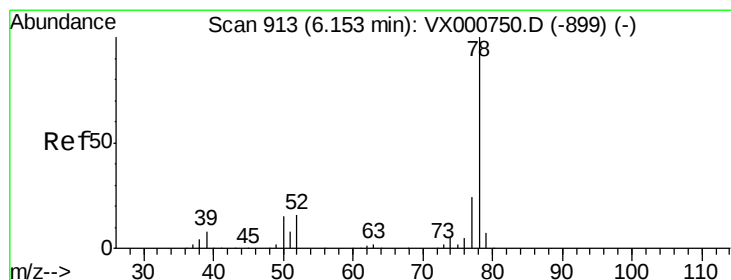
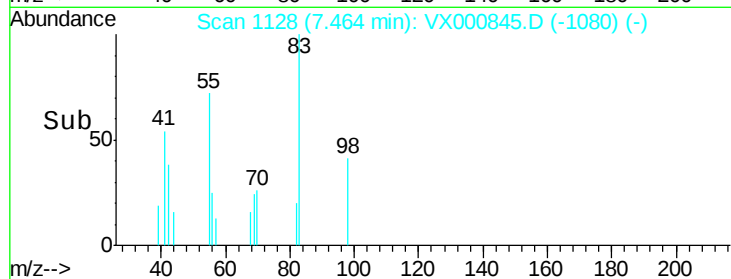
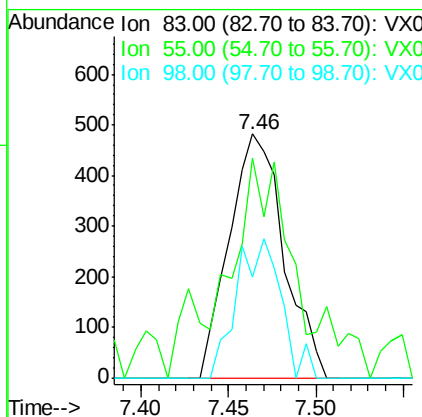
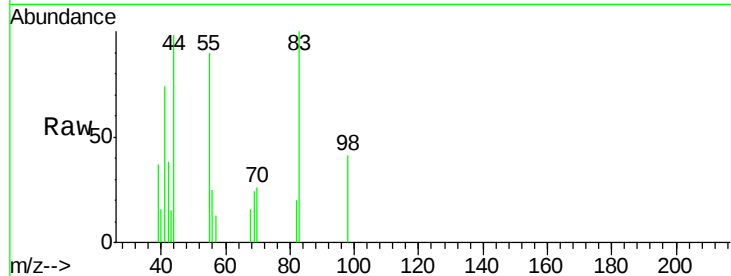
#39
Methvlcvclohexane
Concen: 0.23 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	61.5	92.3
98	41.1	38.1	57.1

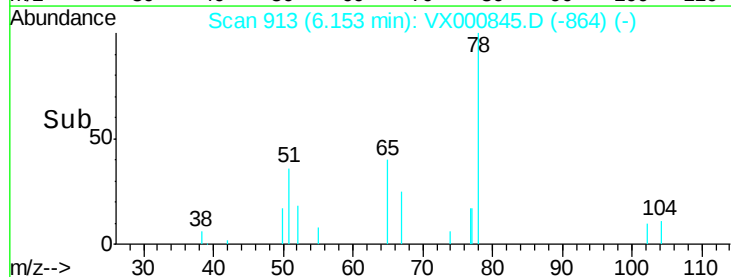
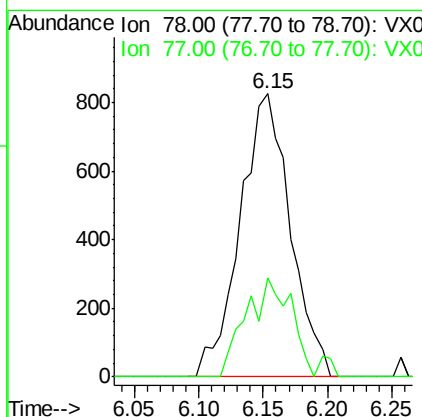
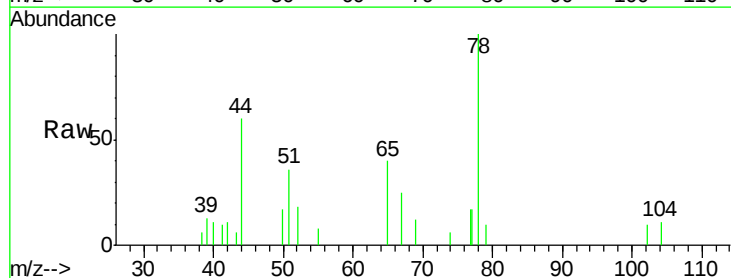
Manual Integrations
APPROVED

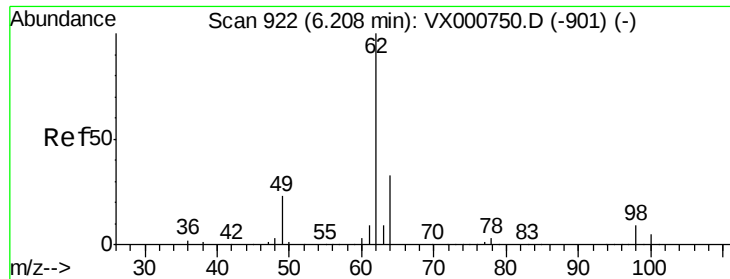
MMDadoda
4/16/2018 12:59:57 PM



#40
Benzene
Concen: 0.21 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	34.8	19.0	28.6#





#42

1,2-Dichloroethane

Concen: 0.20 ug/l

RT: 6.21 min Scan# 922

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

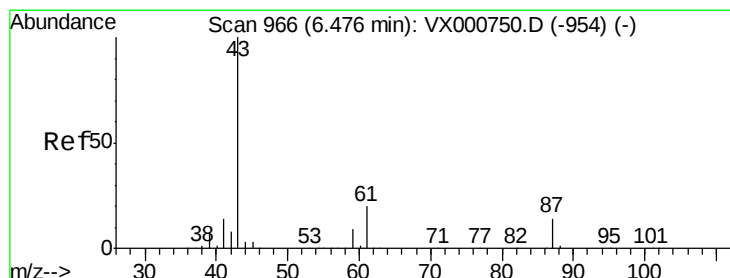
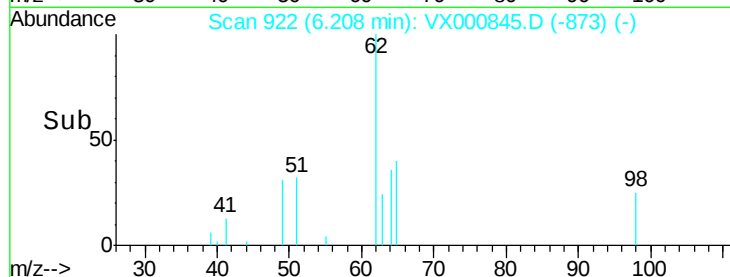
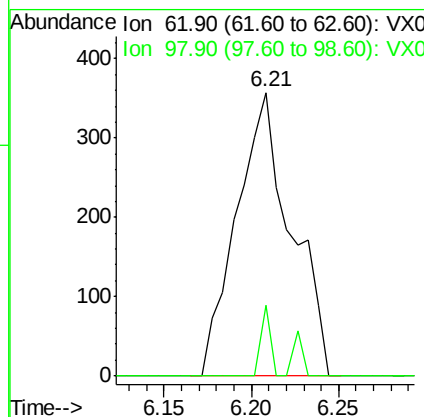
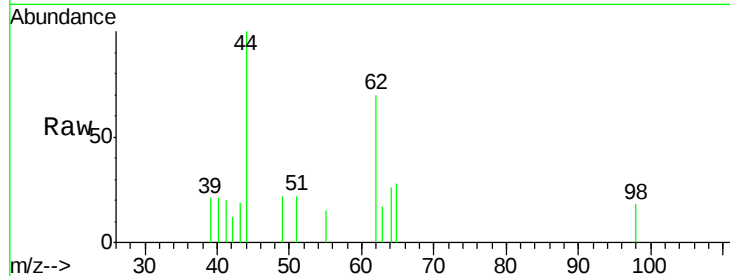
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	18.6

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#43

Isopropyl Acetate

Concen: 0.21 ug/l

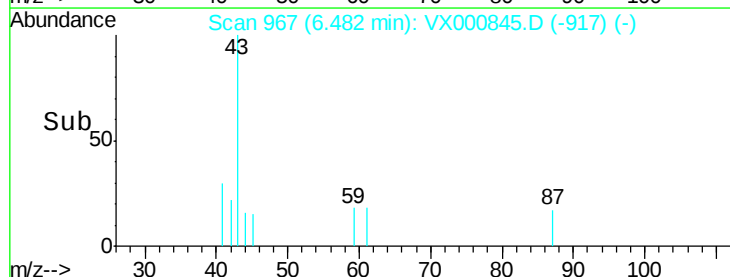
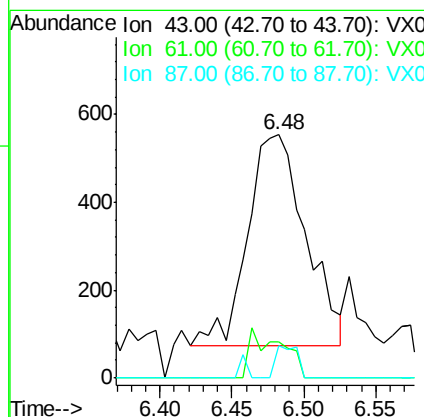
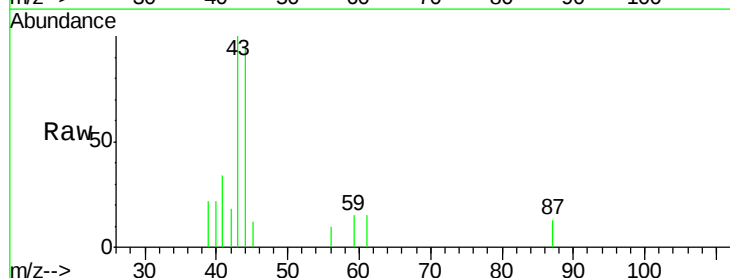
RT: 6.48 min Scan# 967

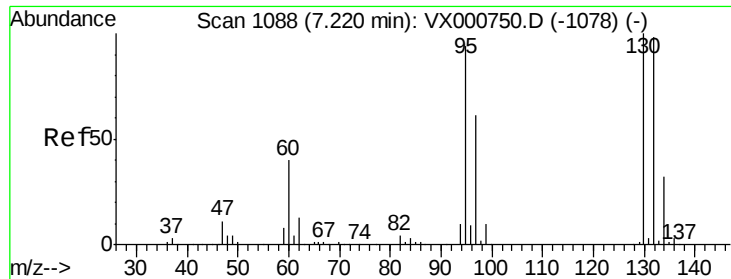
Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.6	23.4#
87	5.8	10.7	16.1#





#44

Trichloroethene

Concen: 0.22 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:130 Resp: 699

Ion Ratio Lower Upper

130 100

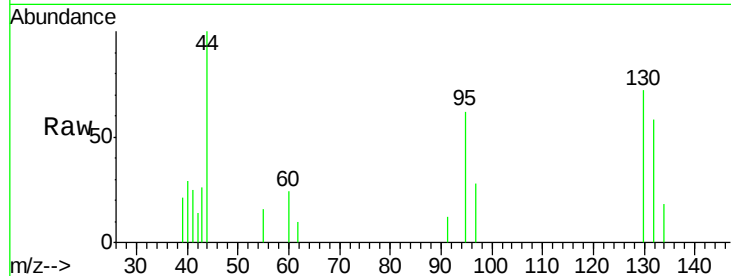
95 86.2 0.0 187.0

Manual Integrations

APPROVED

MMDadoda

4/16/2018 12:59:57 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400

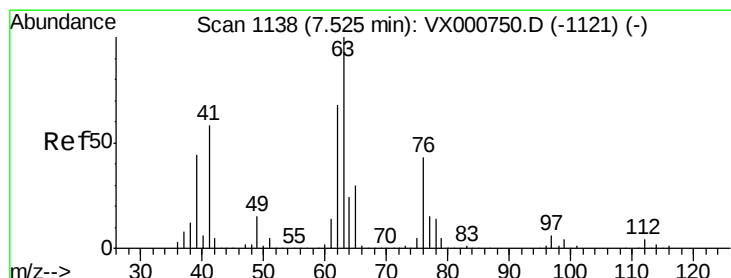
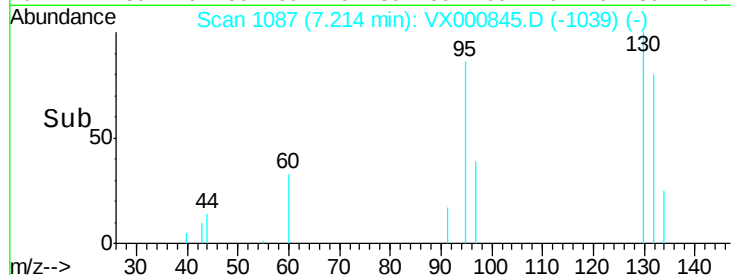
300

200

100

0

Time-->



#45

1,2-Dichloropropane

Concen: 0.21 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VX000845.D

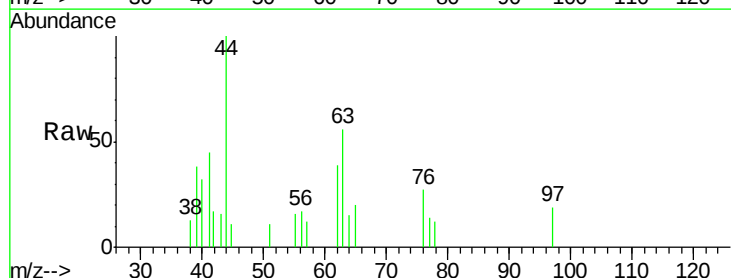
Acq: 13 Apr 2018 13:27

Tgt Ion: 63 Resp: 547

Ion Ratio Lower Upper

63 100

65 35.6 23.7 35.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

300

250

200

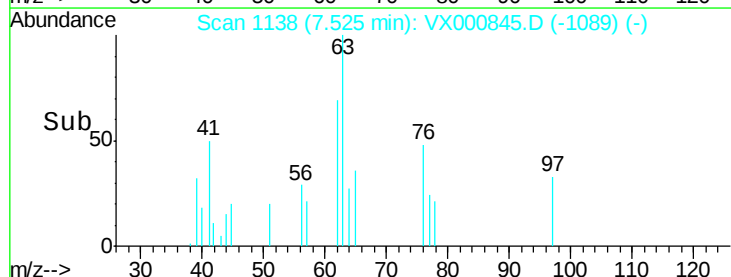
150

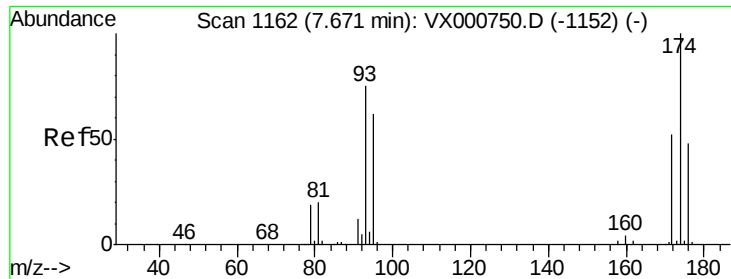
100

50

0

Time-->





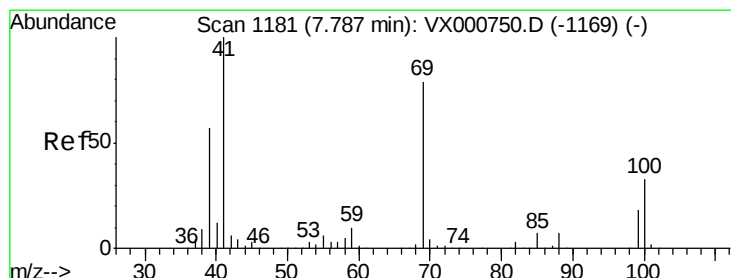
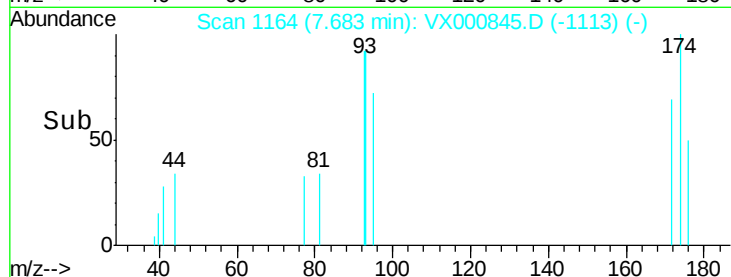
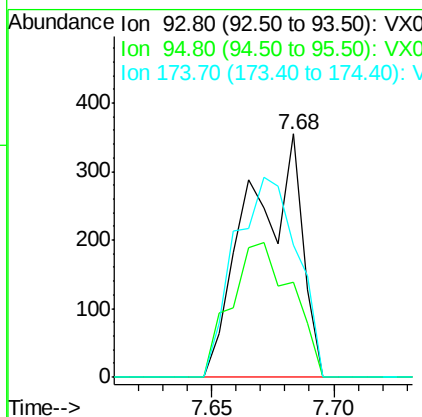
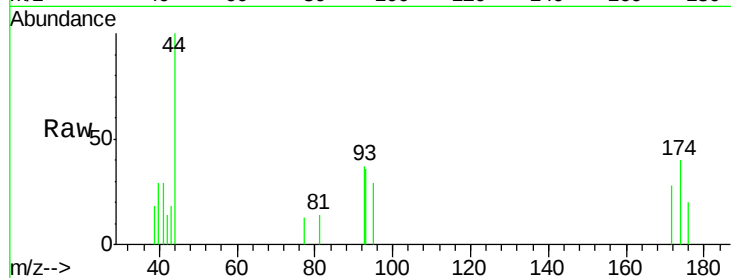
#46
Dibromomethane
Concen: 0.29 ug/l
RT: 7.68 min Scan# 1164
Delta R.T. 0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
93	100		
95	63.8	66.6	100.0#
174	97.6	104.5	156.7#

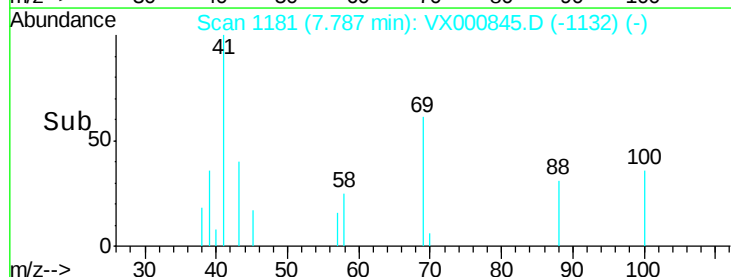
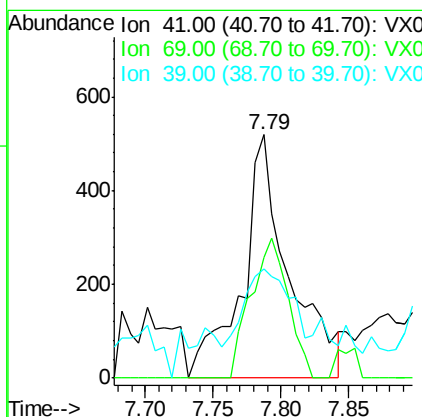
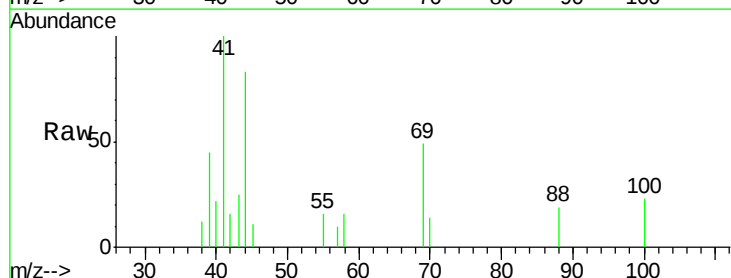
Manual Integrations
APPROVED

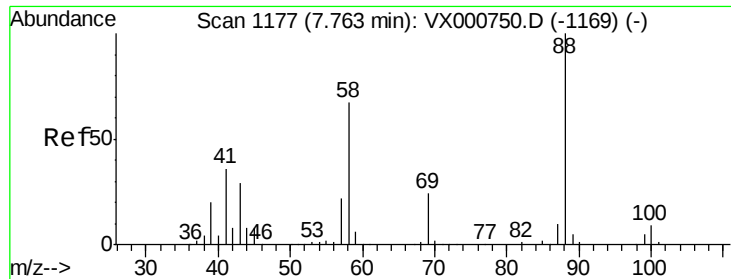
MMDadoda
4/16/2018 12:59:57 PM



#48
Methyl methacrylate
Concen: 0.38 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	46.1	63.9	95.9#
39	31.5	45.9	68.9#





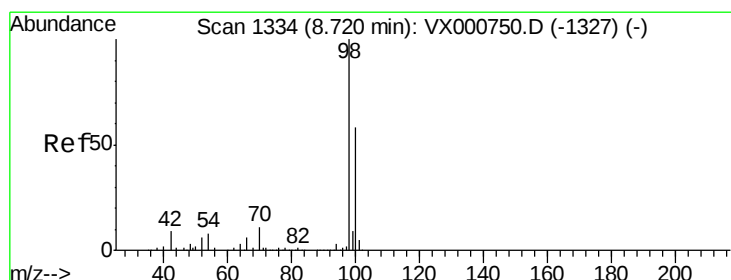
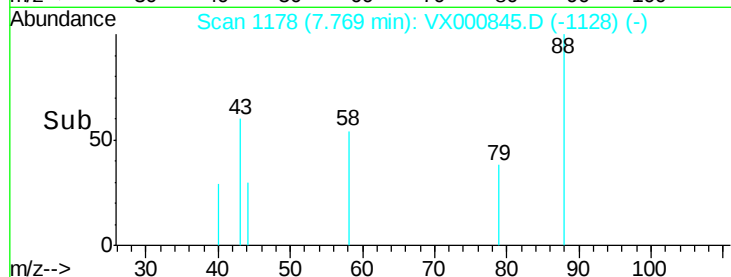
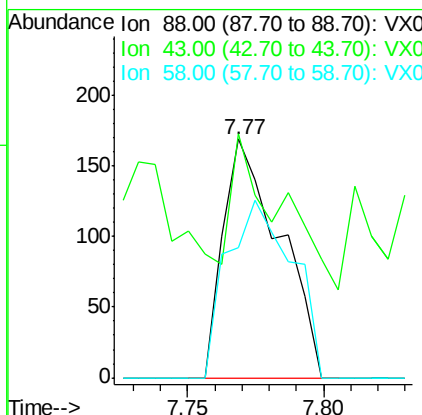
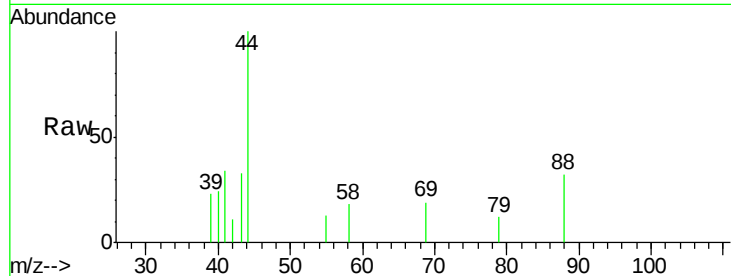
#49
1,4-Dioxane
Concen: 3.75 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.6	25.8	38.8#
58	85.7	54.4	81.6#

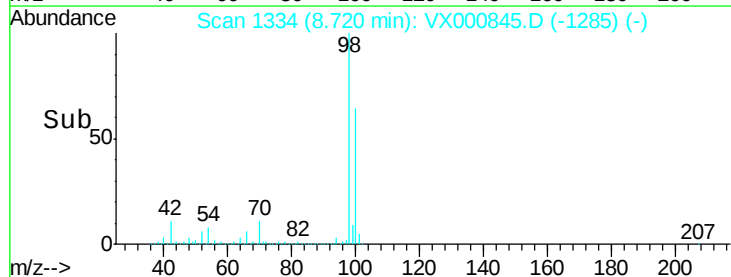
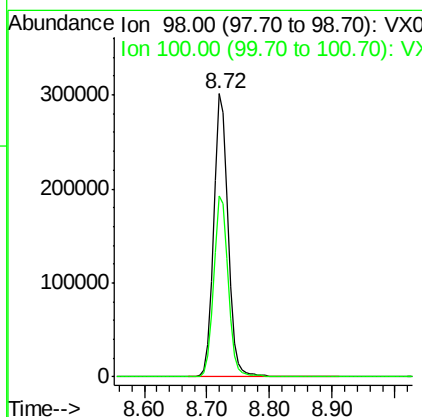
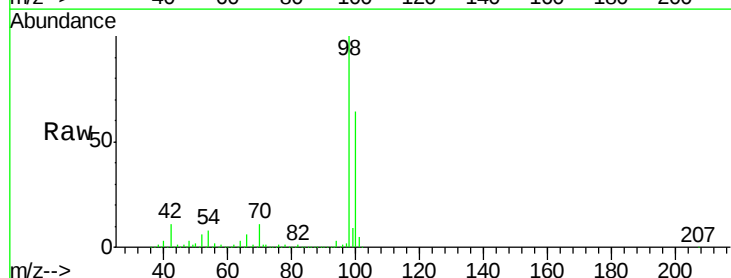
Manual Integrations
APPROVED

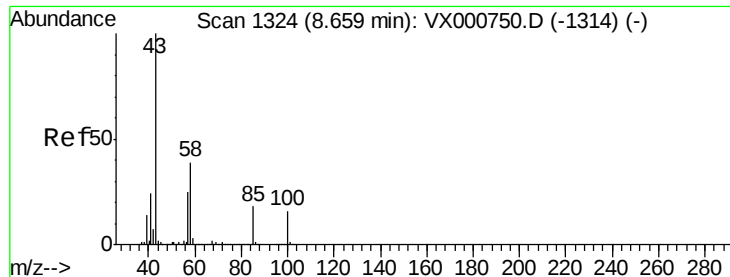
MMDadoda
4/16/2018 12:59:57 PM



#50
Toluene-d8
Concen: 49.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.6	79.0





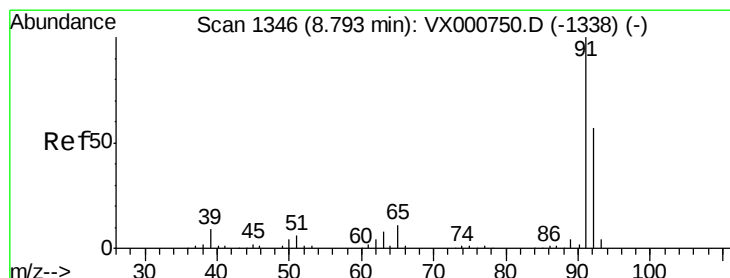
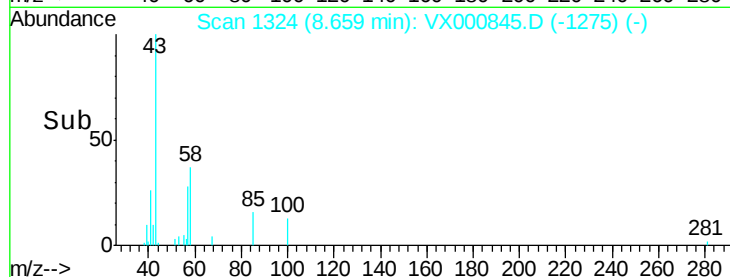
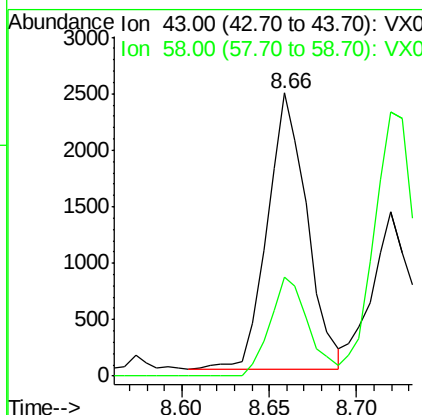
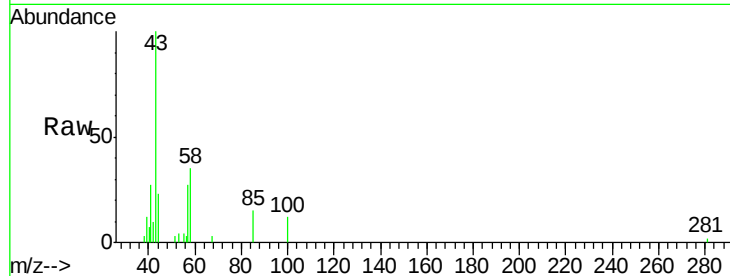
#51
4-Methyl-2-Pentanone
Concen: 1.06 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	34.8	30.3	45.5	

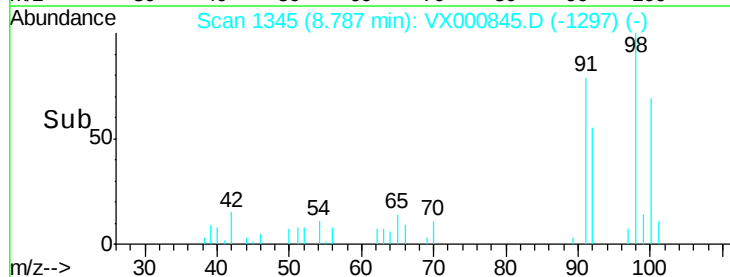
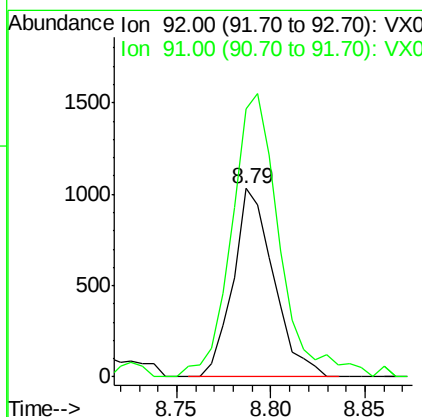
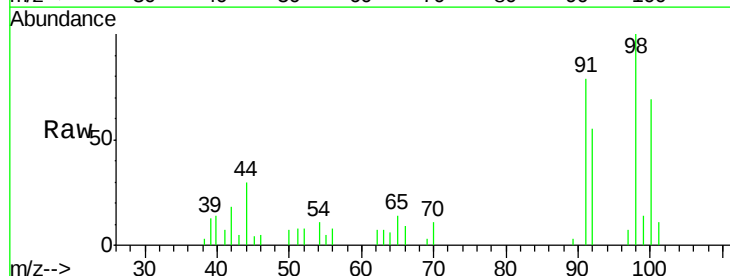
Manual Integrations
APPROVED

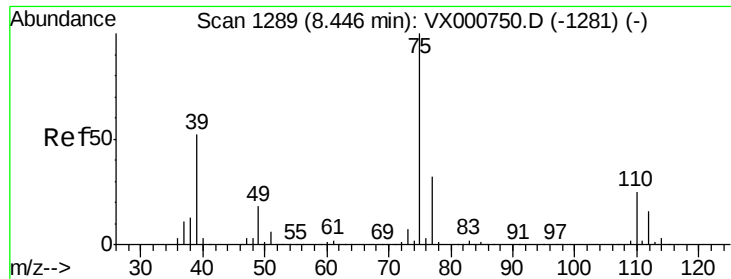
MMDadoda
4/16/2018 12:59:57 PM



#52
Toluene
Concen: 0.22 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	178.3	139.0	208.4	





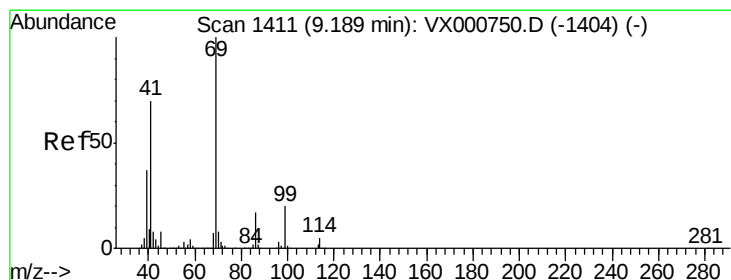
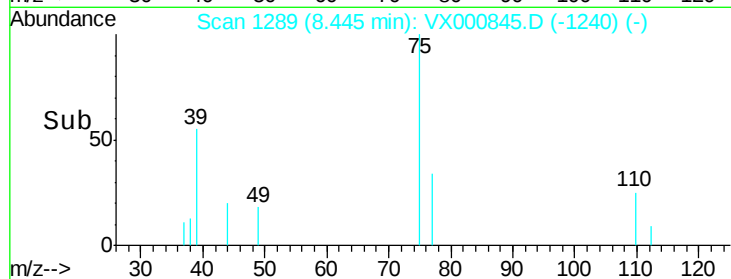
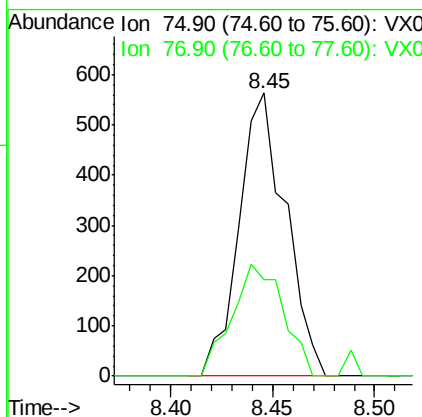
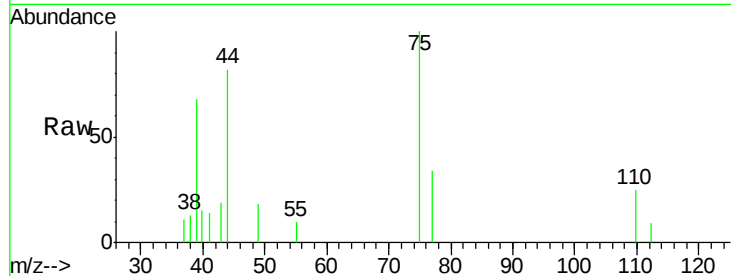
#53
t-1,3-Dichloropropene
Concen: 0.20 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.3	25.4	38.2

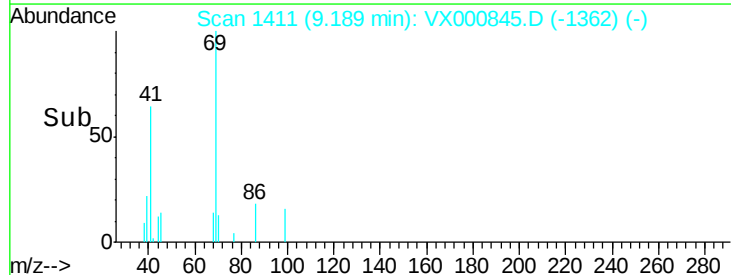
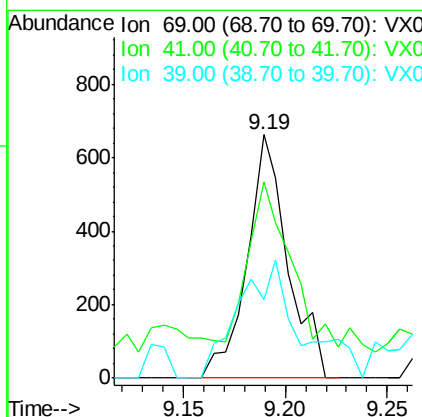
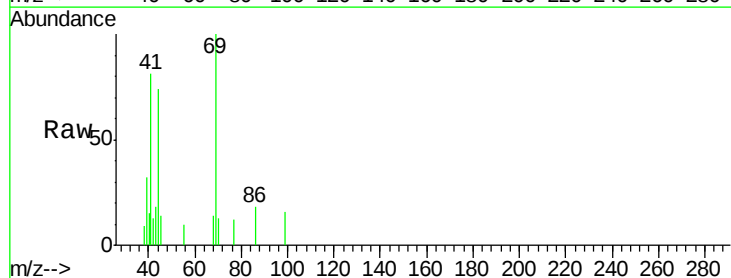
Manual Integrations
APPROVED

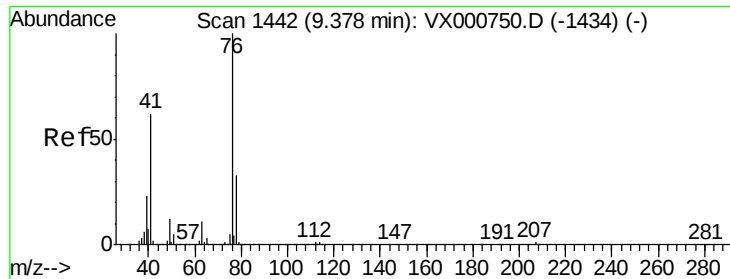
MMDadoda
4/16/2018 12:59:57 PM



#56
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 9.19 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.4	55.6	83.4
39	62.4	30.3	45.5#





#57

1,3-Dichloropropane

Concen: 0.20 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 76 Resp: 875

Ion Ratio Lower Upper

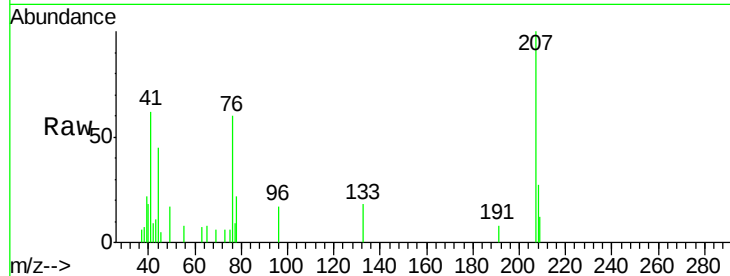
76 100

78 47.5 25.8 38.6#

Manual Integrations
APPROVED

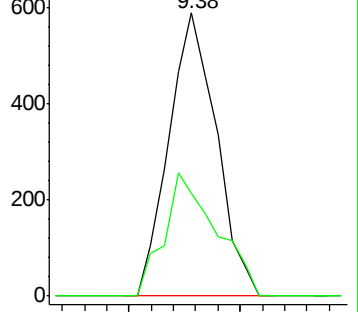
MMDadoda

4/16/2018 12:59:57 PM

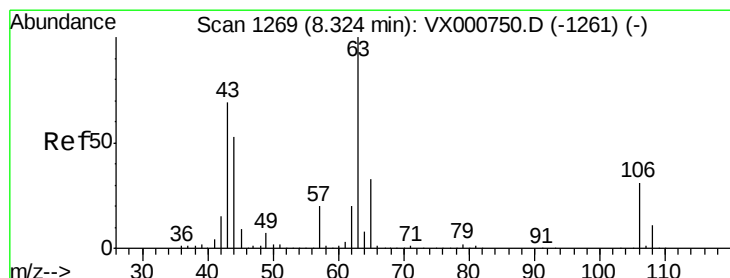
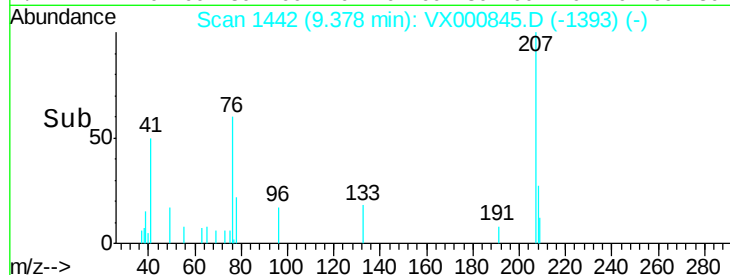


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.65 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX000845.D

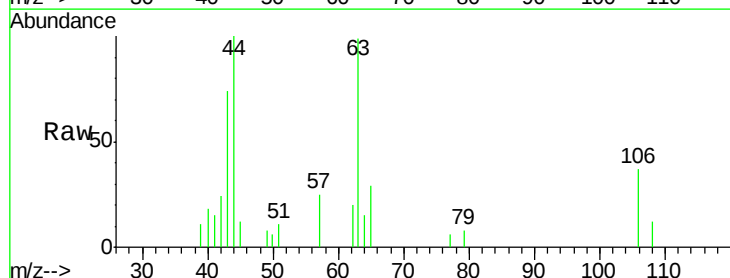
Acq: 13 Apr 2018 13:27

Tgt Ion: 63 Resp: 1278

Ion Ratio Lower Upper

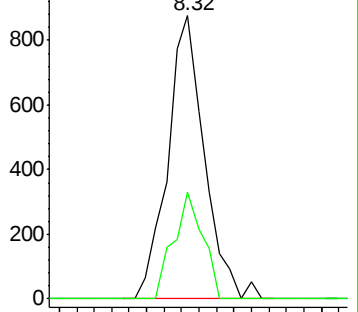
63 100

106 30.0 24.3 36.5

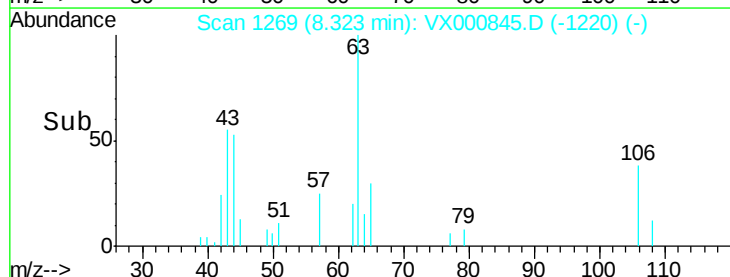


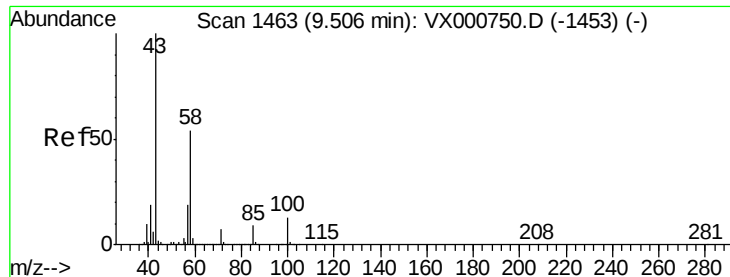
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V



Time-->





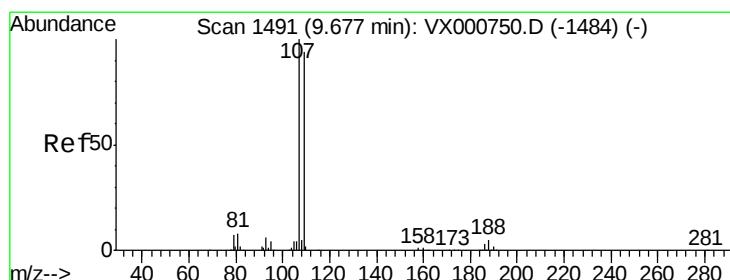
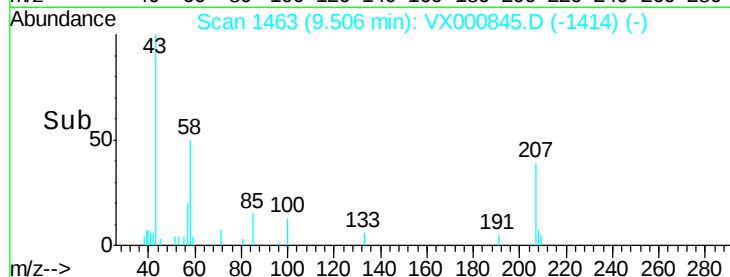
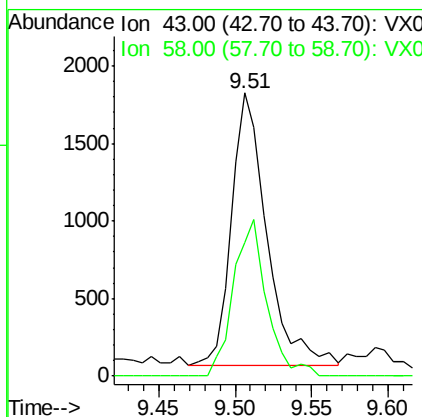
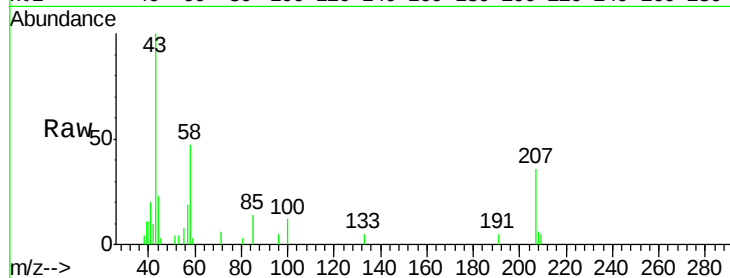
#59
2-Hexanone
Concen: 0.99 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	26.5	79.5

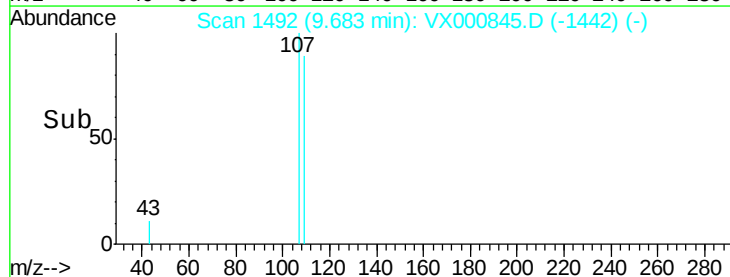
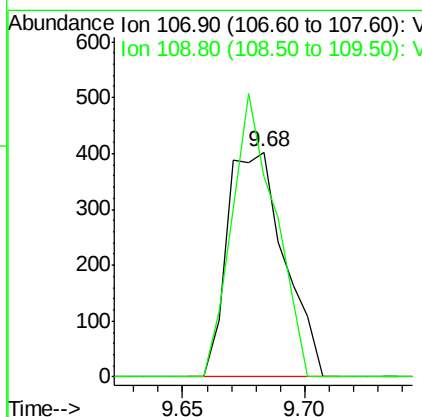
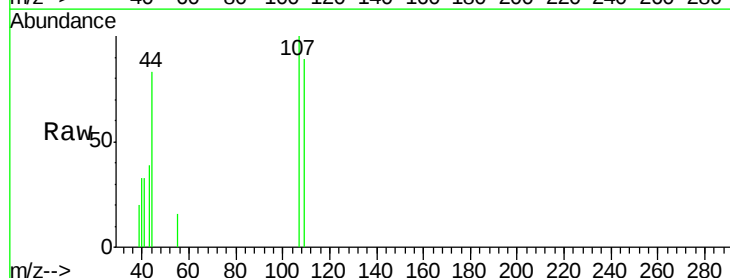
Manual Integrations
APPROVED

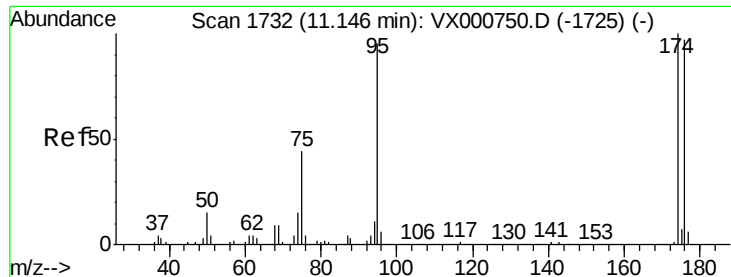
MMDadoda
4/16/2018 12:59:57 PM



#61
1,2-Dibromoethane
Concen: 0.23 ug/l
RT: 9.68 min Scan# 1492
Delta R.T. 0.01 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.2	114.4





#62

4-Bromofluorobenzene

Concen: 47.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

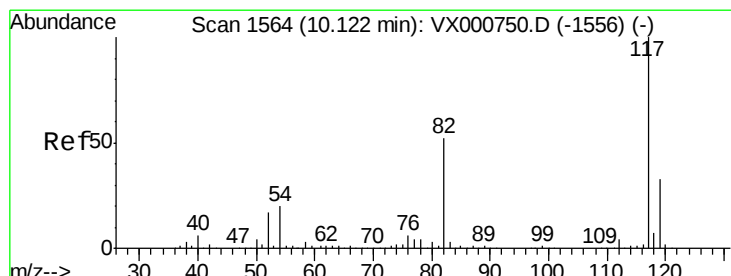
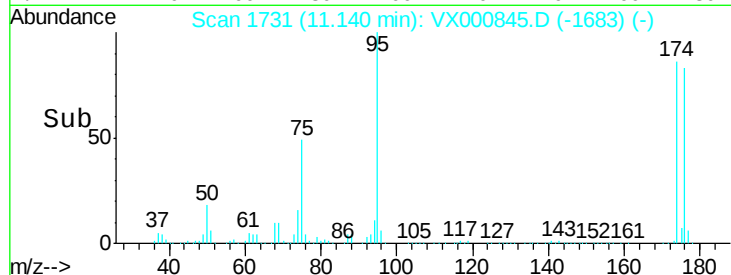
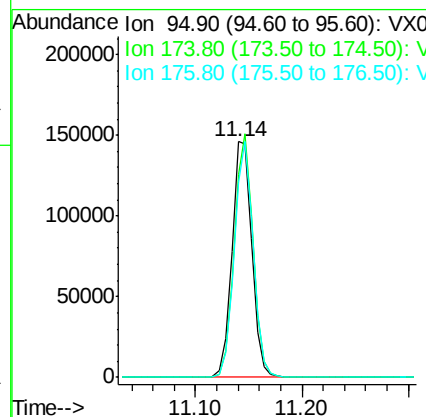
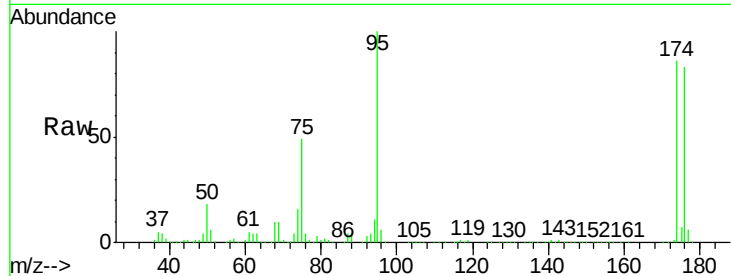
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	95	Resp:	191170
Ion Ratio	Lower	Upper	
95	100		
174	97.3	0.0	198.4
176	94.8	0.0	194.4

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

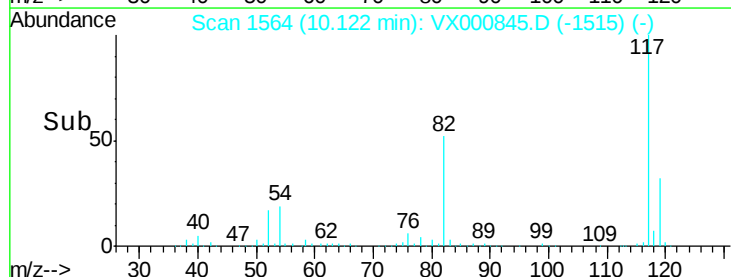
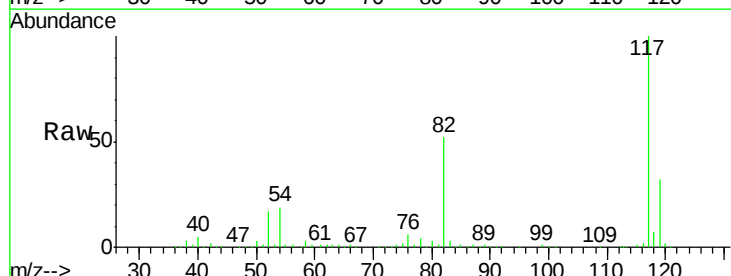
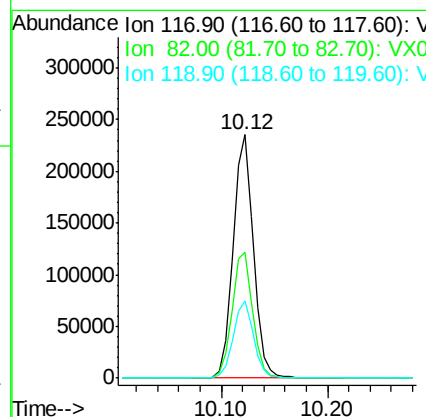
RT: 10.12 min Scan# 1564

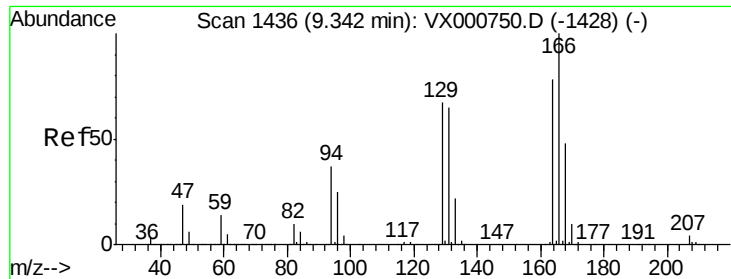
Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	117	Resp:	315490
Ion Ratio	Lower	Upper	
117	100		
82	51.5	41.9	62.9
119	31.8	26.0	39.0





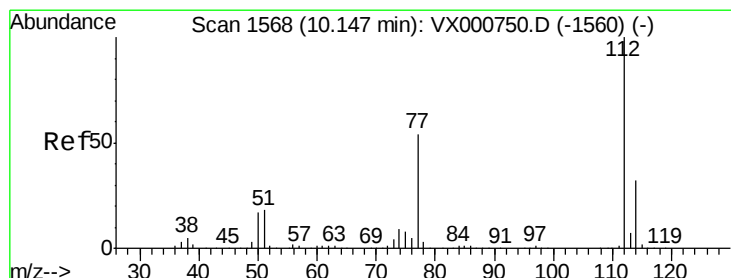
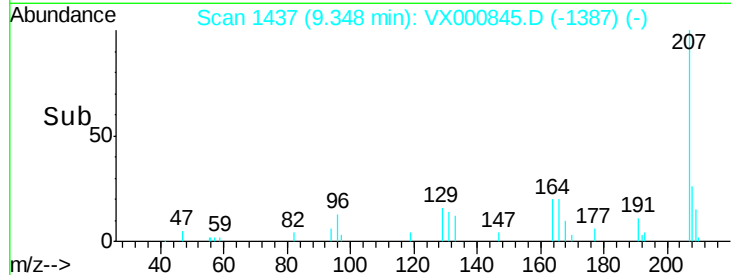
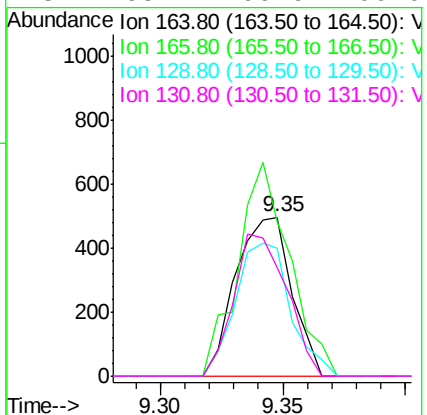
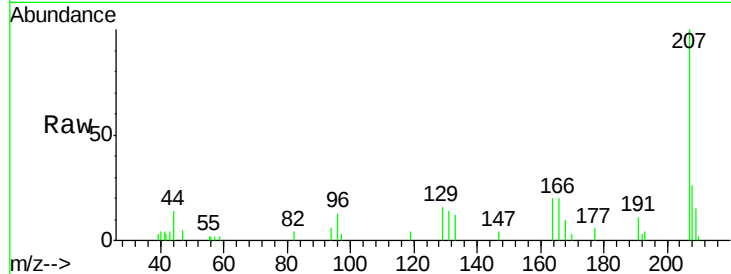
#64
 Tetrachloroethene
 Concen: 0.26 ug/l
 RT: 9.35 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion:	164	Resp:	790
Ion	Ratio	Lower	Upper
164	100		
166	97.6	102.8	154.2#
129	80.5	68.5	102.7
131	68.4	66.6	100.0

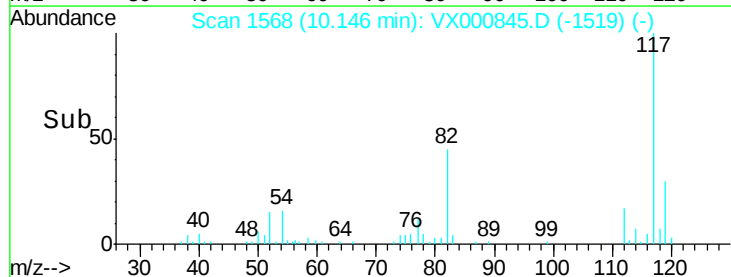
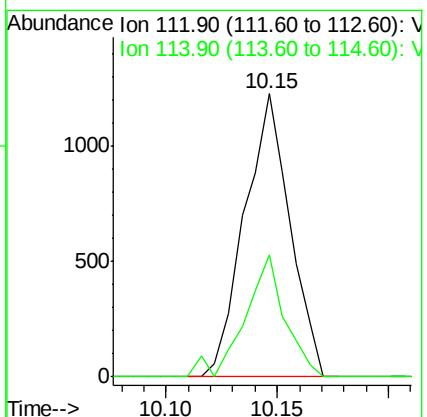
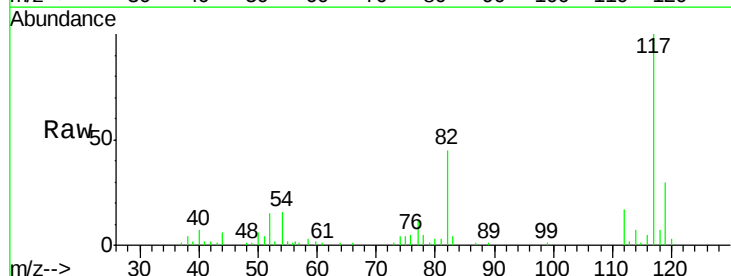
Manual Integrations
 APPROVED

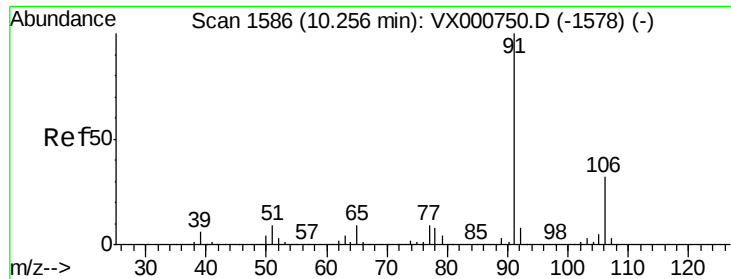
MMDadoda
 4/16/2018 12:59:57 PM



#65
 Chlorobenzene
 Concen: 0.22 ug/l
 RT: 10.15 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Tgt Ion:	112	Resp:	1735
Ion	Ratio	Lower	Upper
112	100		
114	43.0	25.8	38.8#





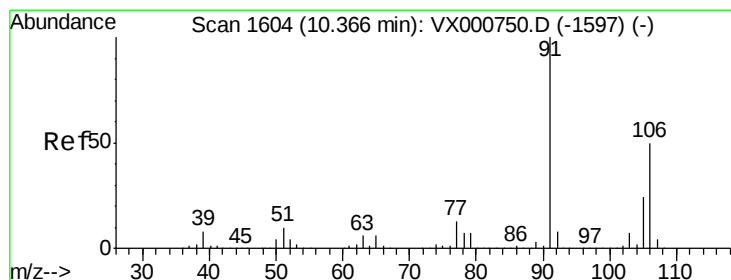
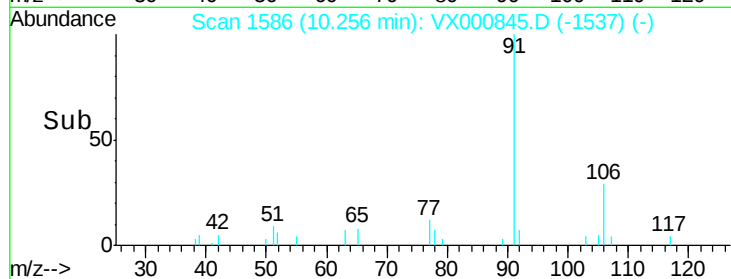
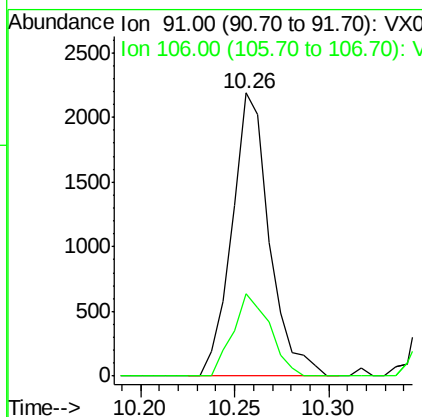
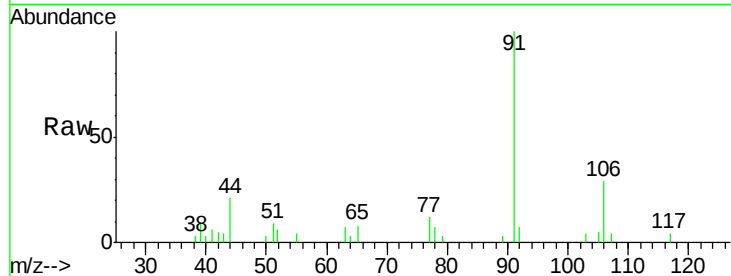
#67
Ethyl Benzene
Concen: 0.23 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion: 91 Resp: 3019
Ion Ratio Lower Upper
91 100
106 29.0 25.4 38.0

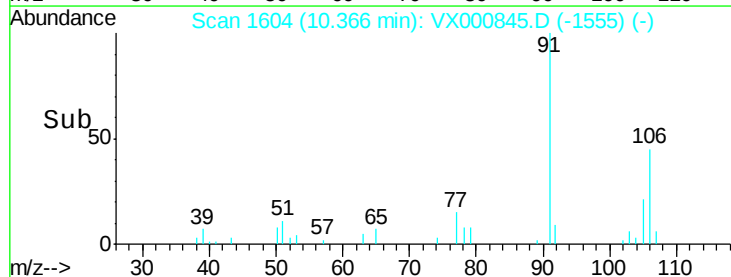
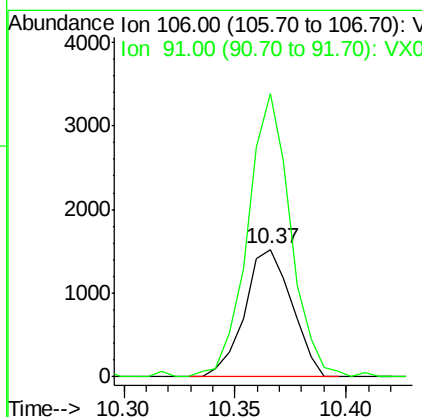
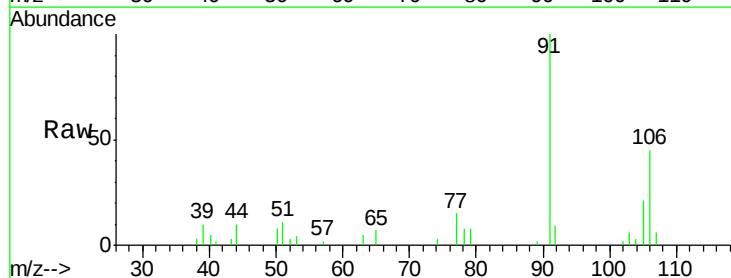
Manual Integrations
APPROVED

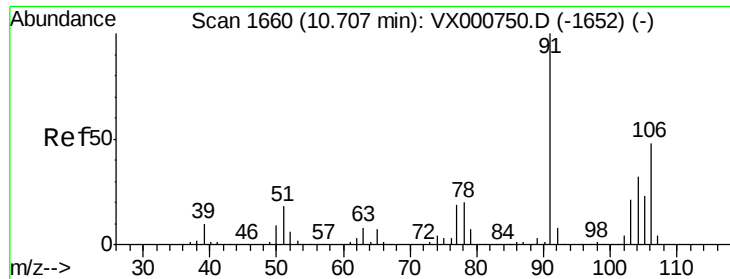
MMDadoda
4/16/2018 12:59:57 PM



#68
m/p-Xylenes
Concen: 0.43 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion: 106 Resp: 2246
Ion Ratio Lower Upper
106 100
91 203.4 159.3 238.9





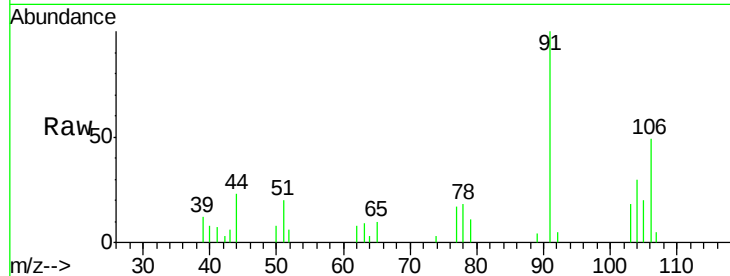
#69
o-Xylene
Concen: 0.22 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

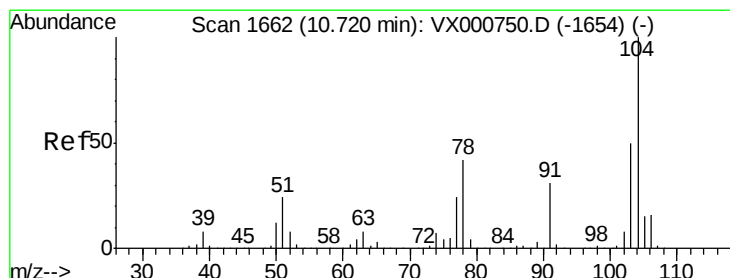
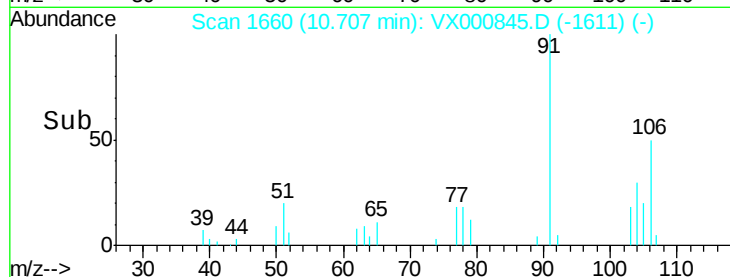
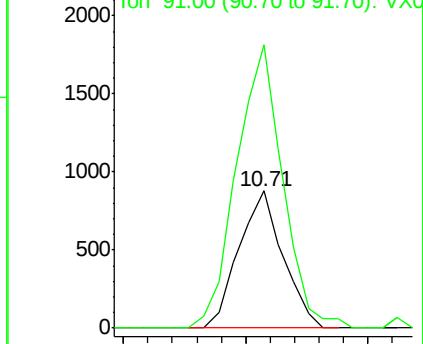
Tot Ion:106 Resp: 1098
Ion Ratio Lower Upper
106 100
91 217.1 105.0 315.0

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM

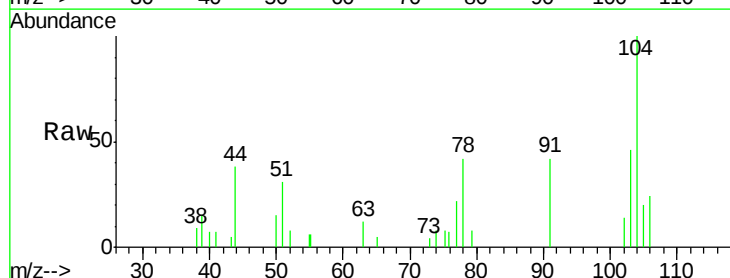


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX

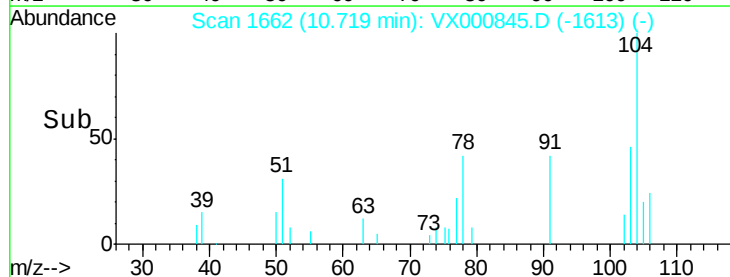
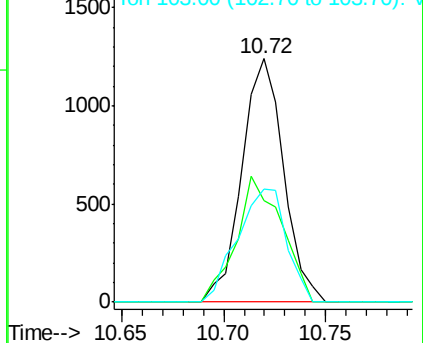


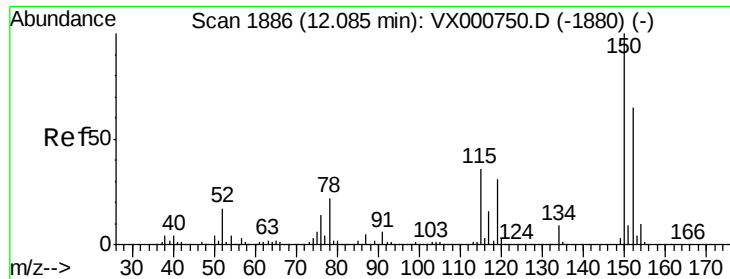
#70
Styrene
Concen: 0.21 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion:104 Resp: 1767
Ion Ratio Lower Upper
104 100
78 56.3 39.0 58.6
103 54.6 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): 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: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

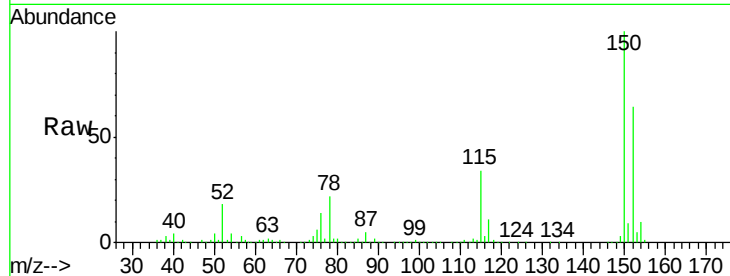
ClientSampleId :

MDL-WATER-03-QT2-2018

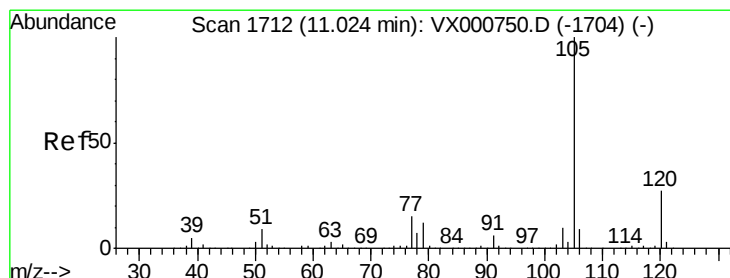
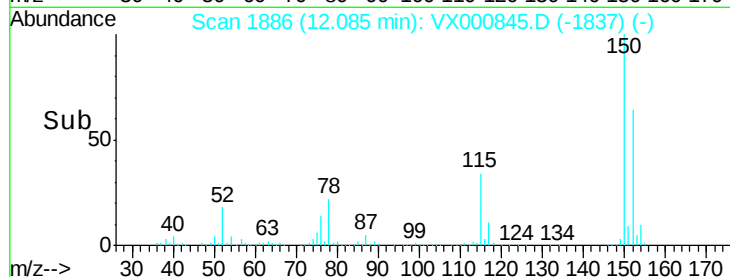
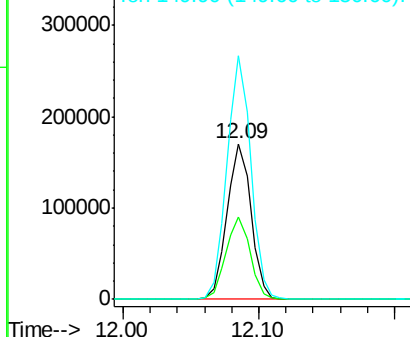
Tot Ion:	152	Resp:	209697
Ion Ratio	Lower	Upper	
152	100		
115	53.4	37.9	113.7
150	155.2	0.0	348.0

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



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: 0.21 ug/l

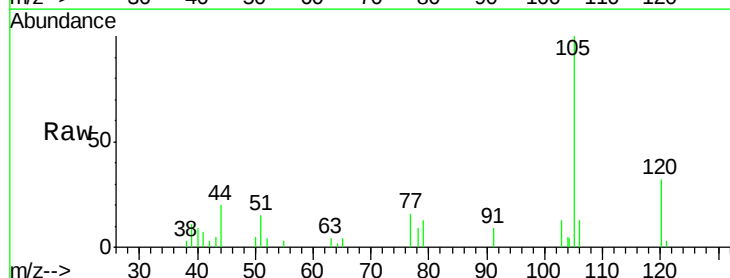
RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

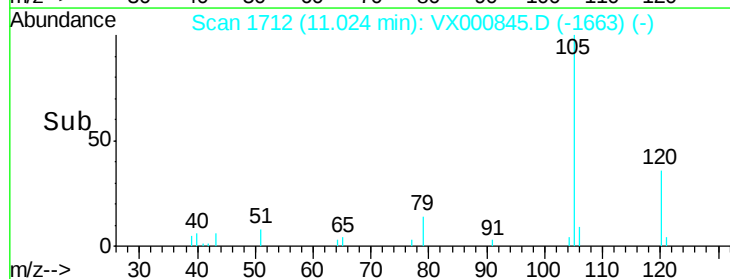
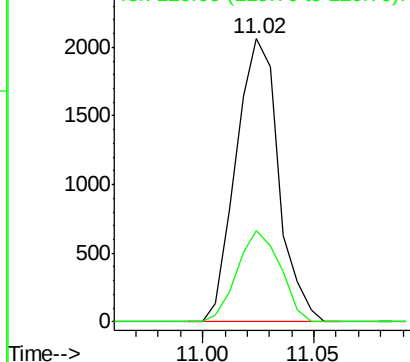
Lab File: VX000845.D

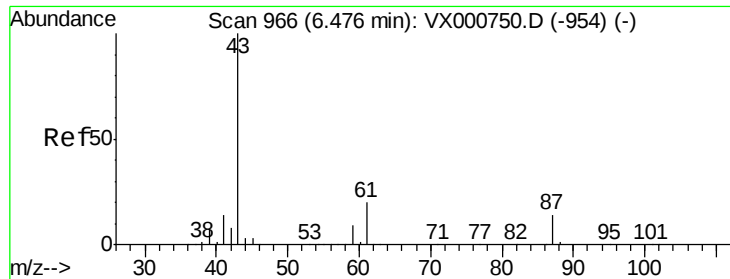
Acq: 13 Apr 2018 13:27

Tgt Ion:	105	Resp:	2752
Ion Ratio	Lower	Upper	
105	100		
120	32.6	13.7	41.0



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





#74

N-amvl acetate

Concen: 0.22 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

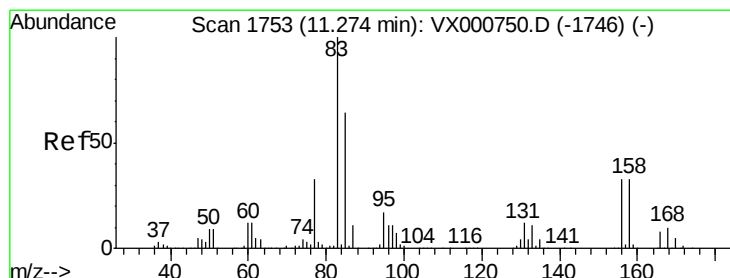
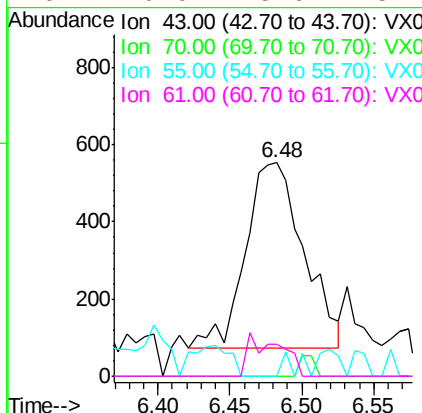
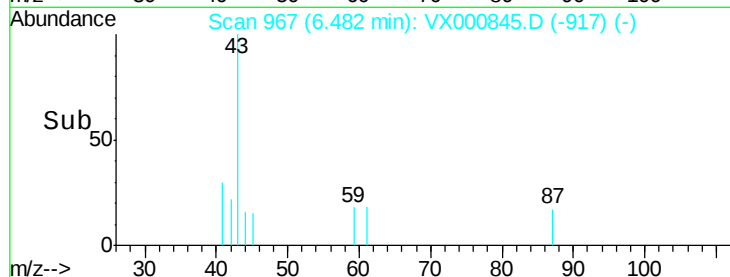
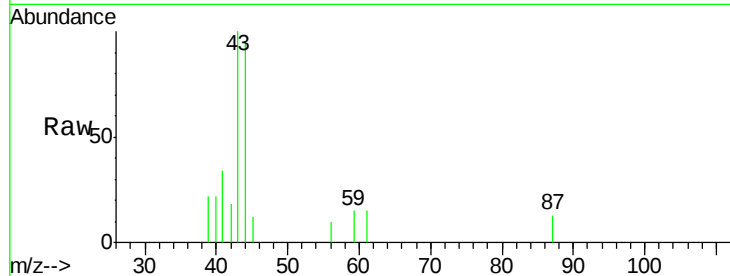
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	43	Resp:	1343
Ion Ratio	Lower	Upper	
43	100		
70	0.0	0.0	0.0
55	1.7	0.0	0.0#
61	0.0	15.6	23.4#

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 0.23 ug/l

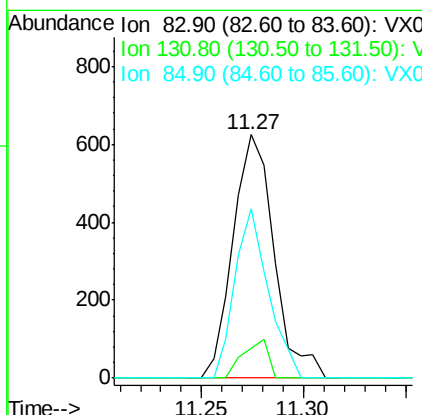
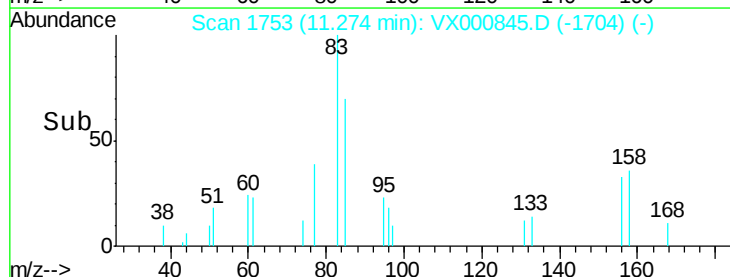
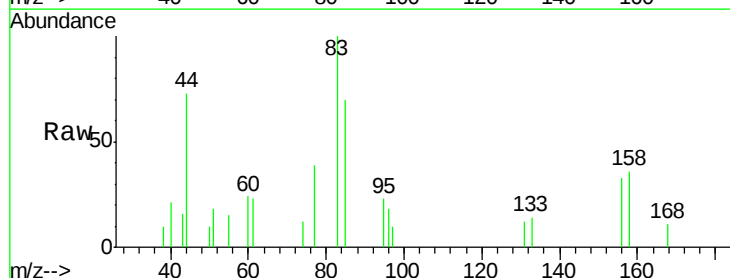
RT: 11.27 min Scan# 1753

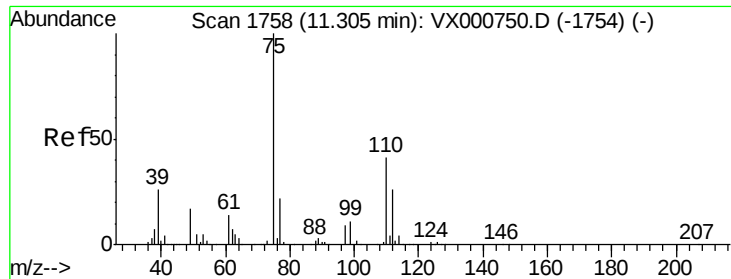
Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	83	Resp:	873
Ion Ratio	Lower	Upper	
83	100		
131	9.5	6.0	18.0
85	56.2	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 25.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 75 Resp: 92907

Ion Ratio Lower Upper

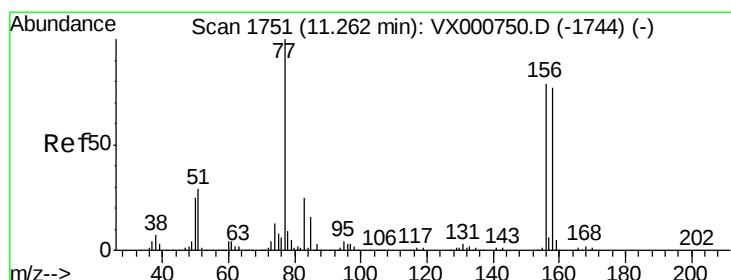
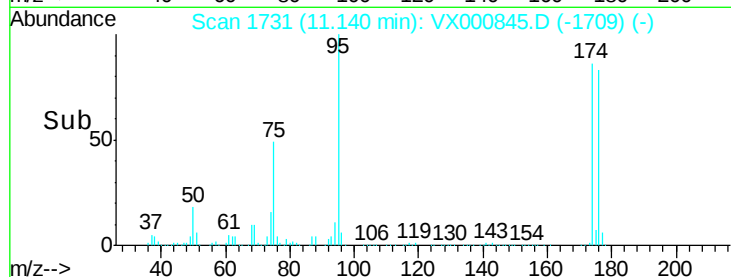
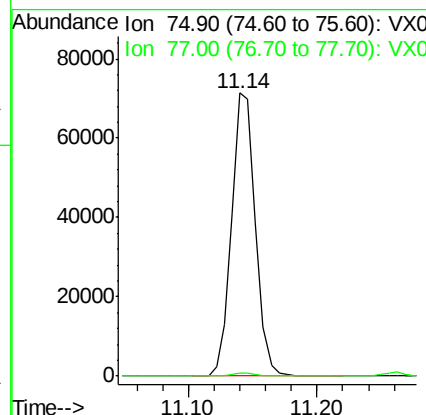
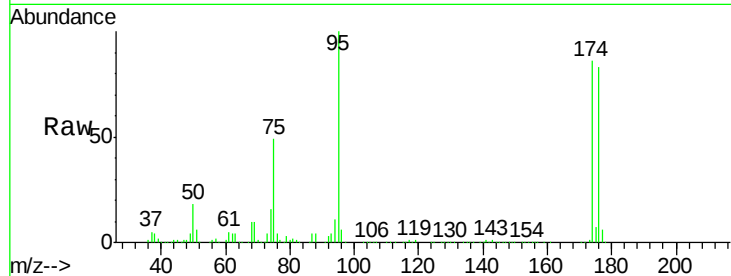
75 100

77 1.2 20.5 61.5#

Manual Integrations
APPROVED

MMDadoda

4/16/2018 12:59:57 PM



#77

Bromobenzene

Concen: 0.21 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

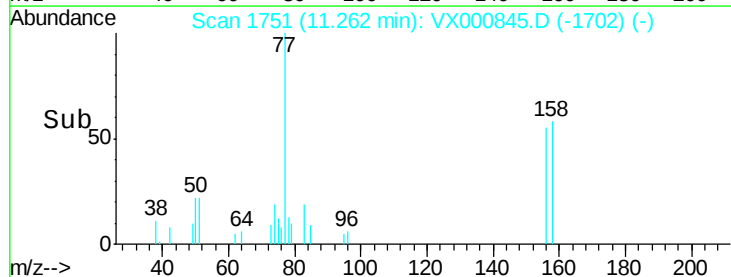
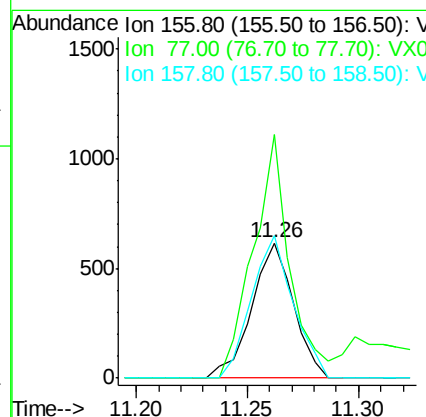
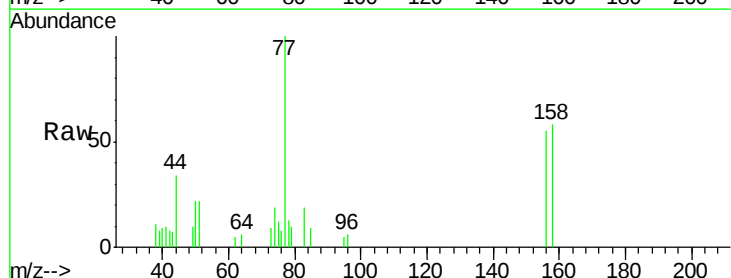
Tgt Ion: 156 Resp: 808

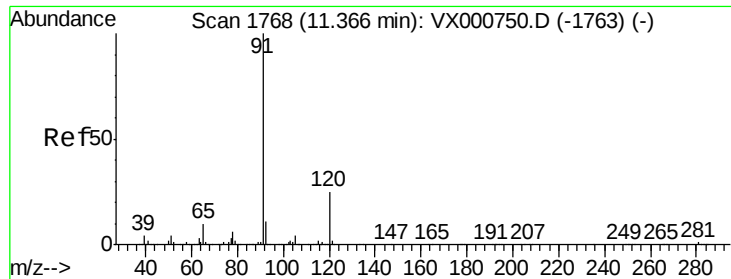
Ion Ratio Lower Upper

156 100

77 157.8 66.0 198.2

158 105.0 48.8 146.4





#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion: 91 Resp: 3281

Ion Ratio Lower Upper

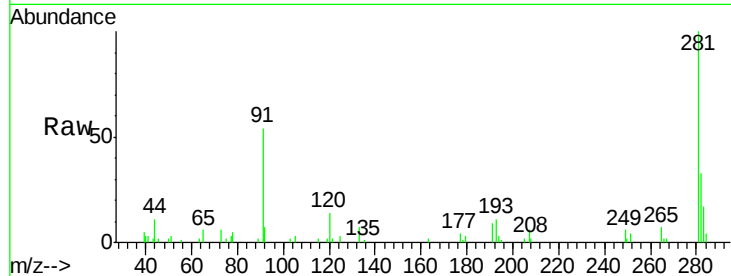
91 100

120 26.4 12.6 37.6

Manual Integrations
APPROVED

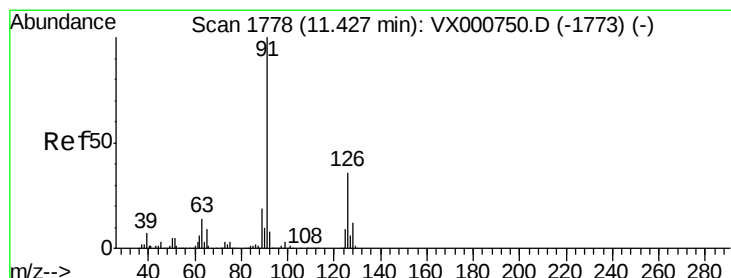
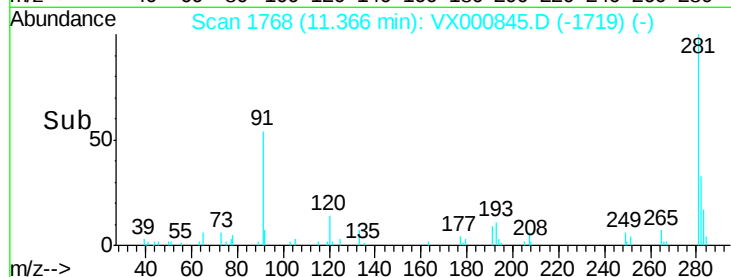
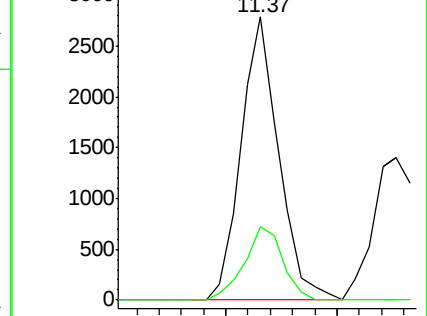
MMDadoda

4/16/2018 12:59:57 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.22 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX000845.D

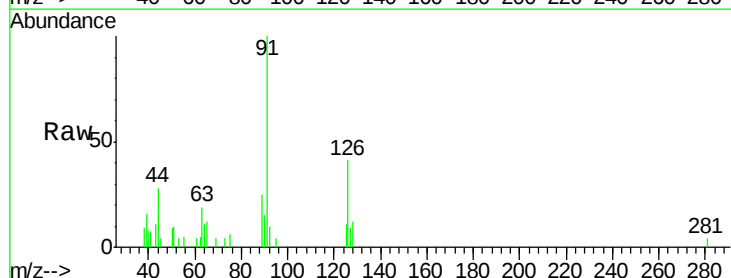
Acq: 13 Apr 2018 13:27

Tgt Ion: 91 Resp: 1992

Ion Ratio Lower Upper

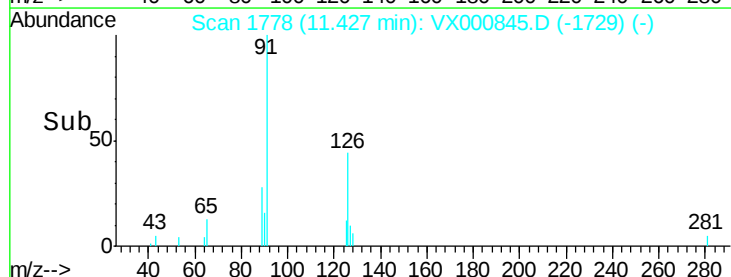
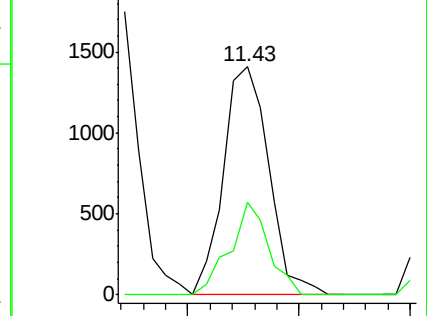
91 100

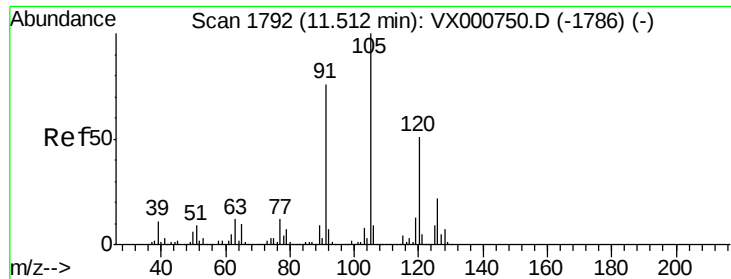
126 34.8 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





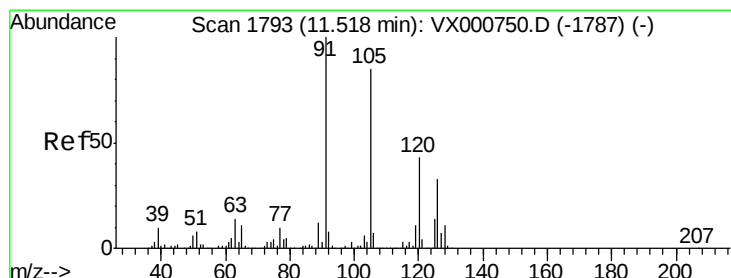
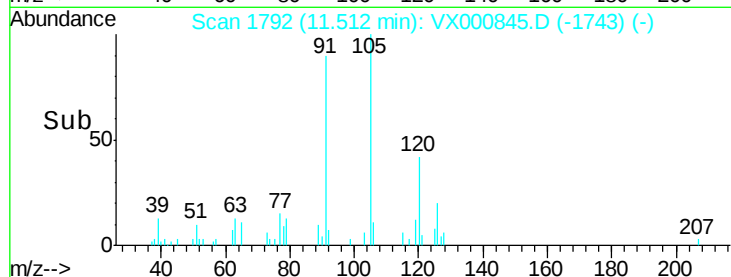
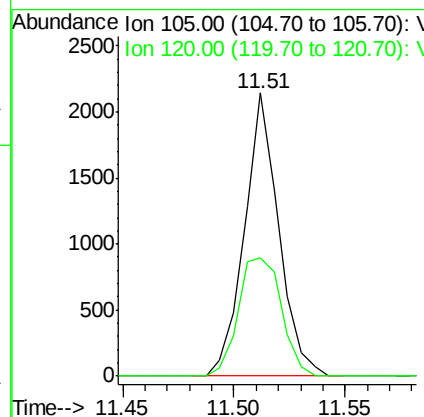
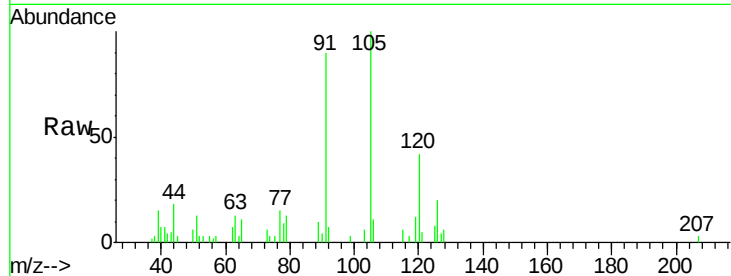
#80
 1,3,5-Trimethylbenzene
 Concen: 0.20 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
105	100		
120	52.7	25.0	75.0

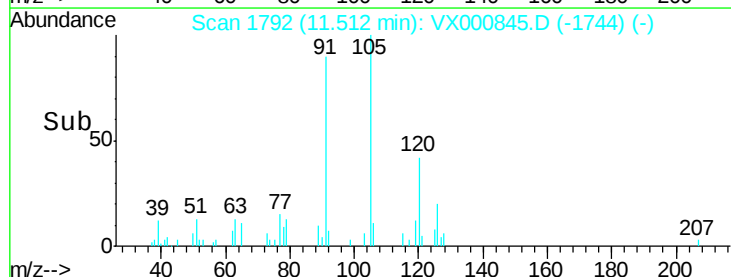
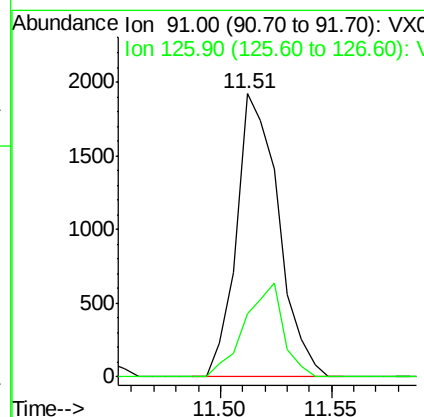
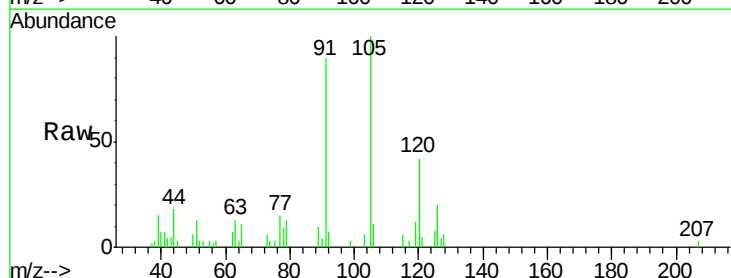
Manual Integrations
 APPROVED

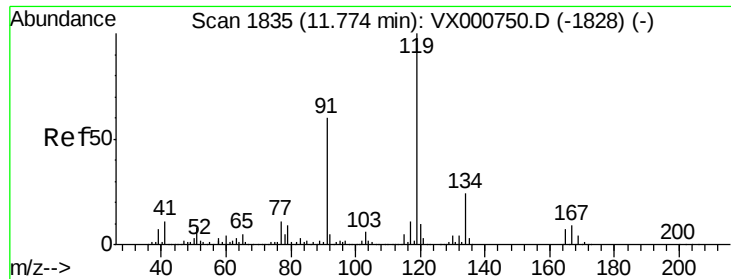
MMDadoda
 4/16/2018 12:59:57 PM



#82
 4-Chlorotoluene
 Concen: 0.23 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	16.2	48.6





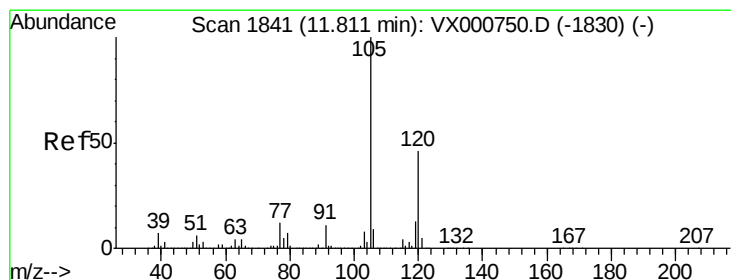
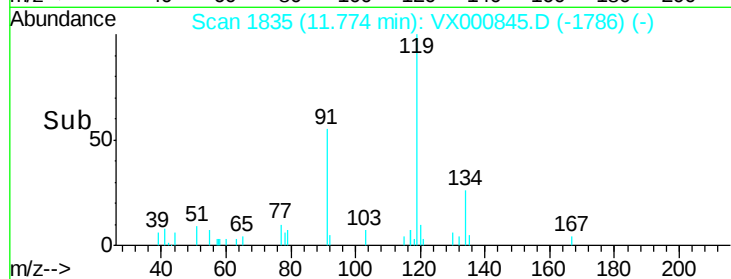
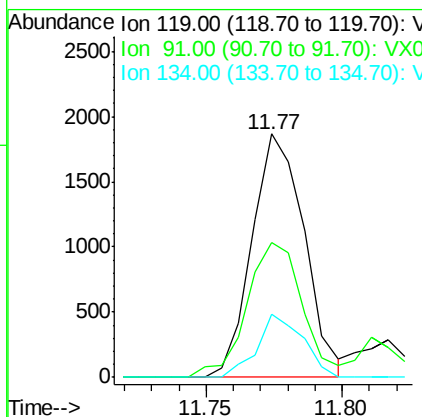
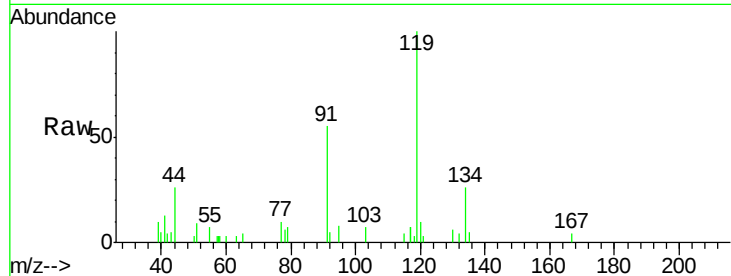
#83
tert-Butylbenzene
Concen: 0.21 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	26.8	80.3
134	22.5	11.5	34.4

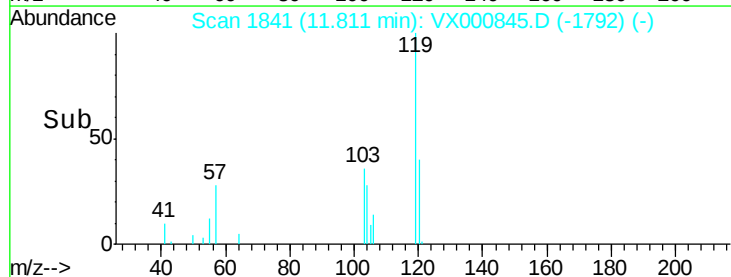
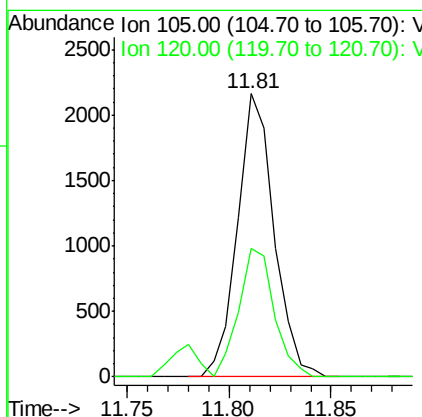
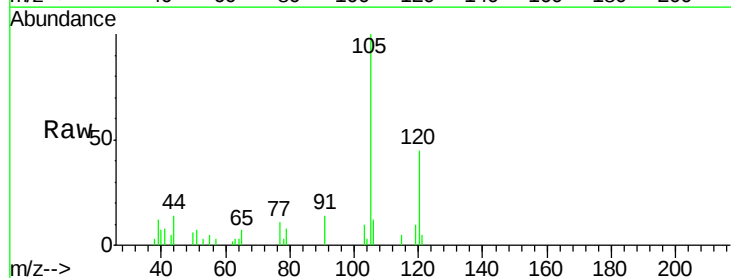
Manual Integrations
APPROVED

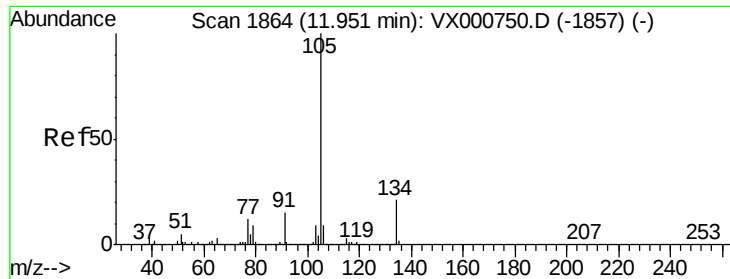
MMDadoda
4/16/2018 12:59:57 PM



#84
1,2,4-Trimethylbenzene
Concen: 0.23 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 0.21 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:105 Resp: 2838

Ion Ratio Lower Upper

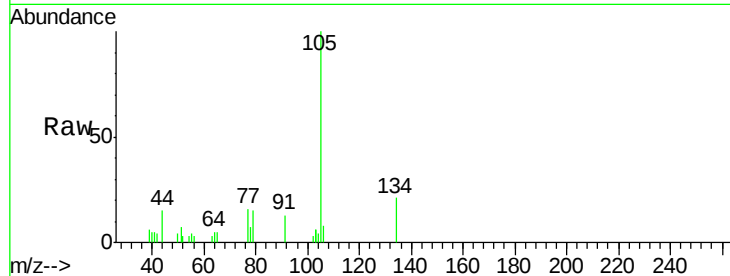
105 100

134 22.4 10.8 32.4

Manual Integrations
APPROVED

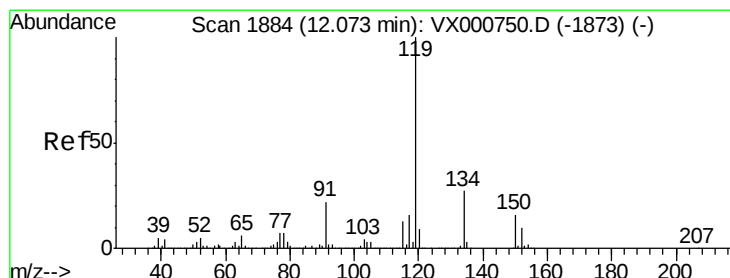
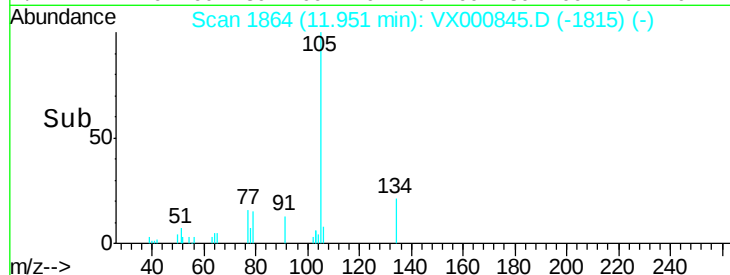
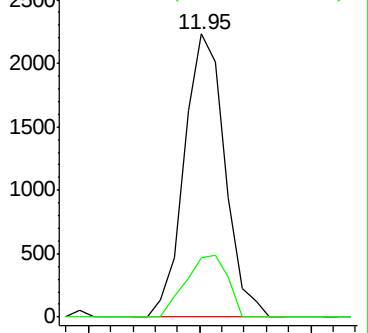
MMDadoda

4/16/2018 12:59:57 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.22 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

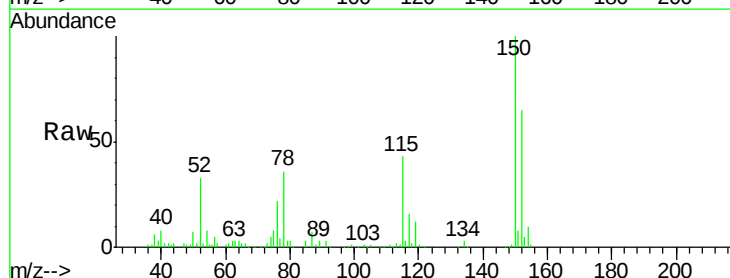
Tgt Ion:119 Resp: 2873

Ion Ratio Lower Upper

119 100

134 32.5 13.6 40.7

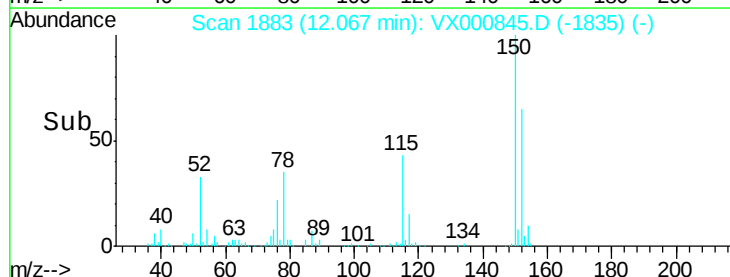
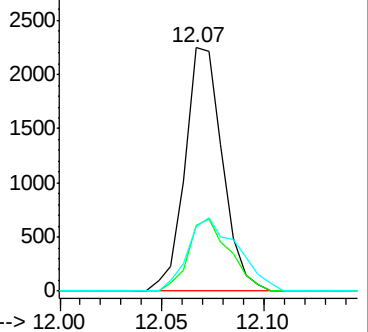
91 40.1 11.2 33.5#

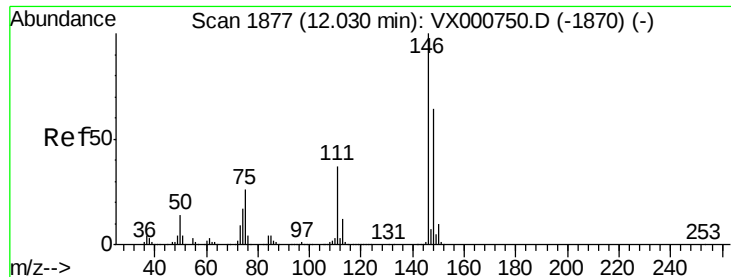


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 0.26 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

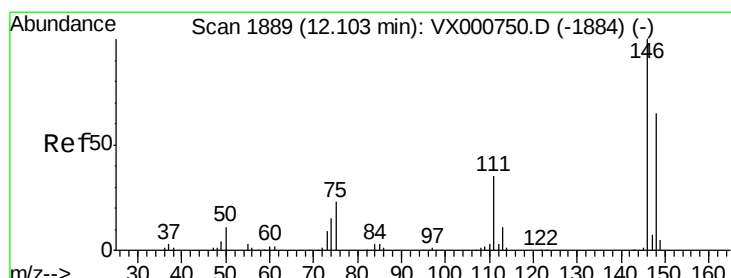
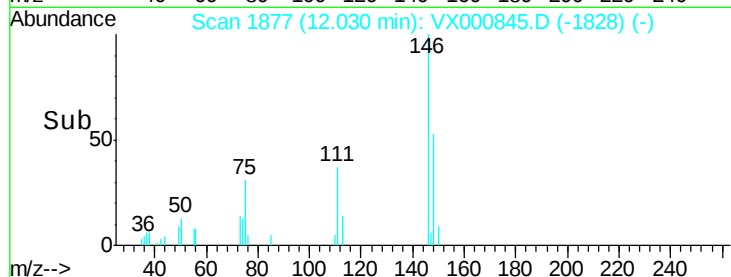
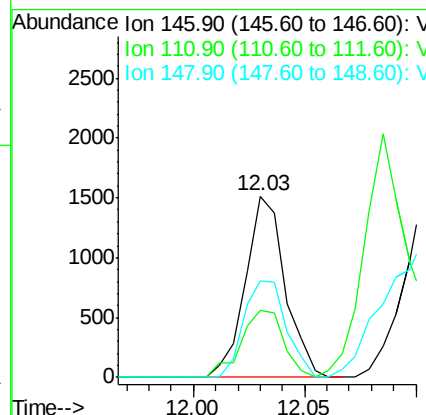
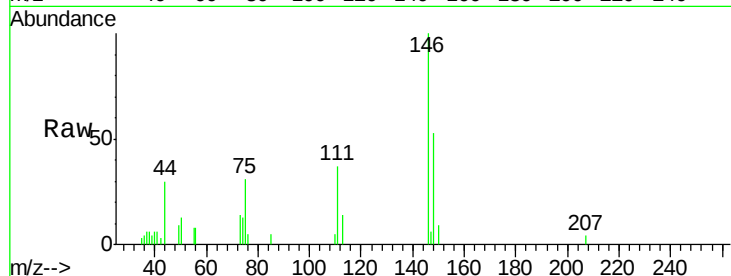
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	146	Resp:	1888
Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.3	54.8
148	56.5	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#88

1,4-Dichlorobenzene

Concen: 0.28 ug/l m

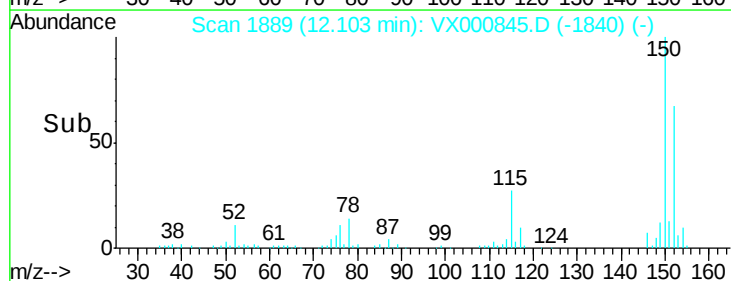
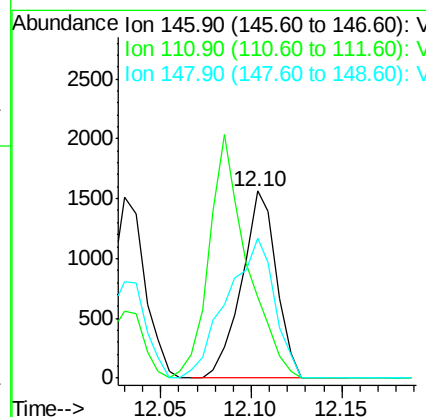
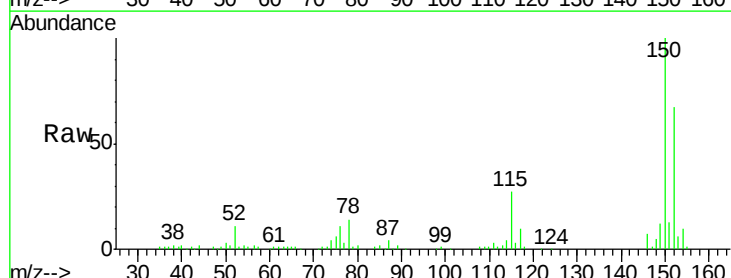
RT: 12.10 min Scan# 1889

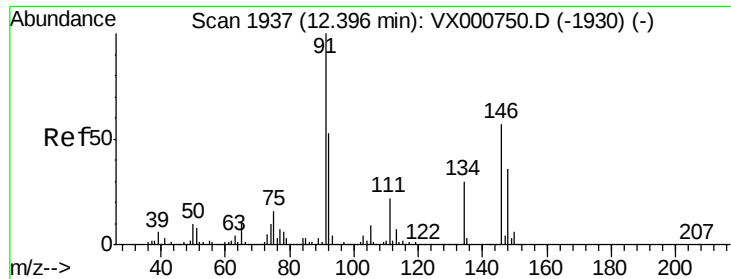
Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	146	Resp:	2070
Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.9	53.8
148	51.5	32.6	97.7





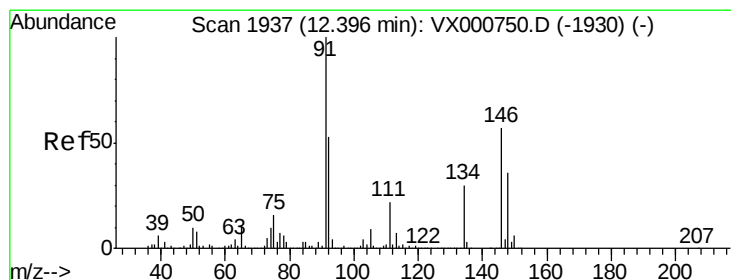
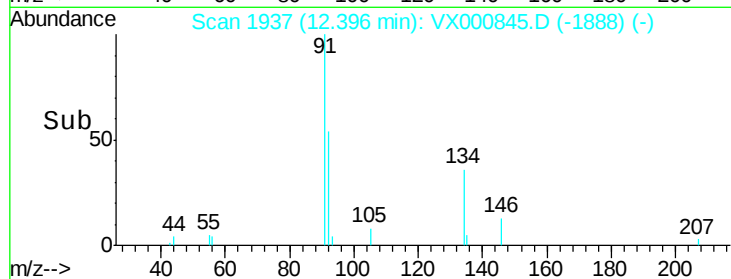
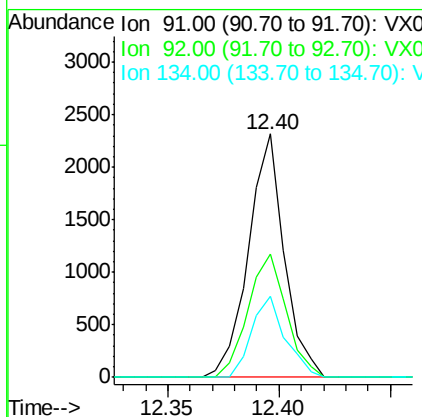
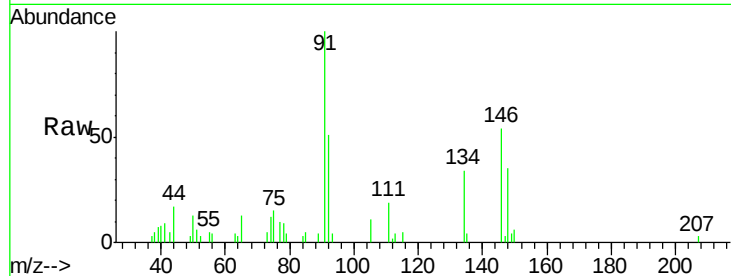
#89
n-Butylbenzene
Concen: 0.23 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2018

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.5	79.5
134	31.1	14.5	43.5

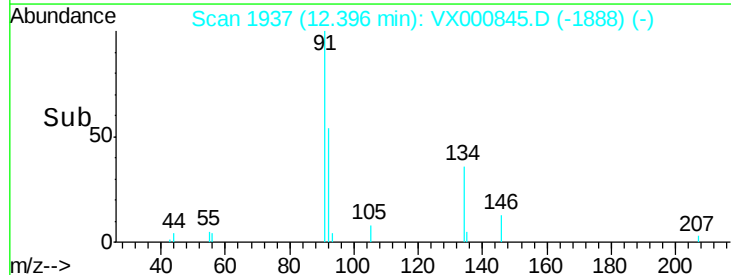
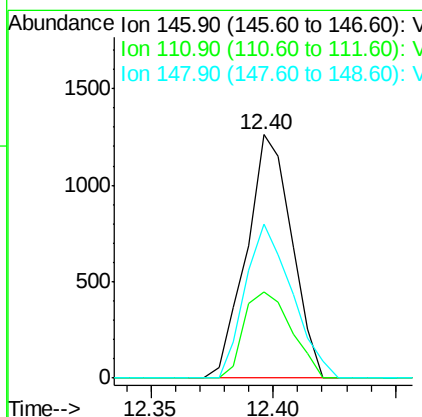
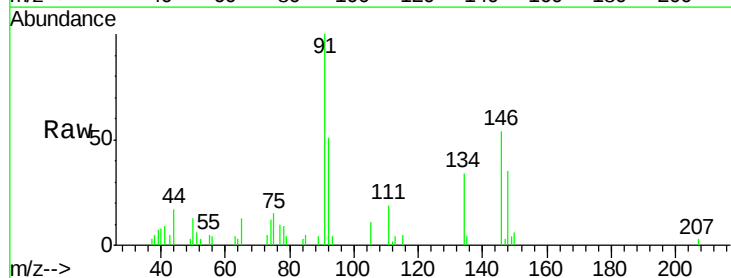
Manual Integrations
APPROVED

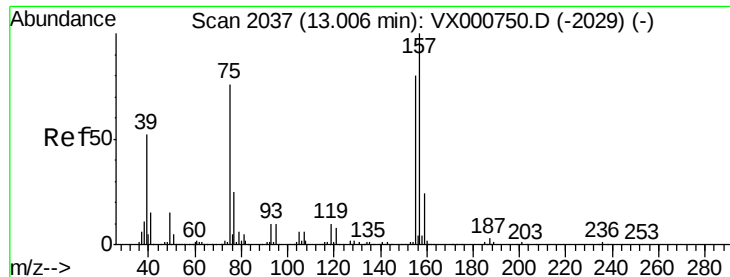
MMDadoda
4/16/2018 12:59:57 PM



#91
1,2-Dichlorobenzene
Concen: 0.23 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX000845.D
Acq: 13 Apr 2018 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.7
148	65.5	32.0	96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.22 ug/l

RT: 13.01 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

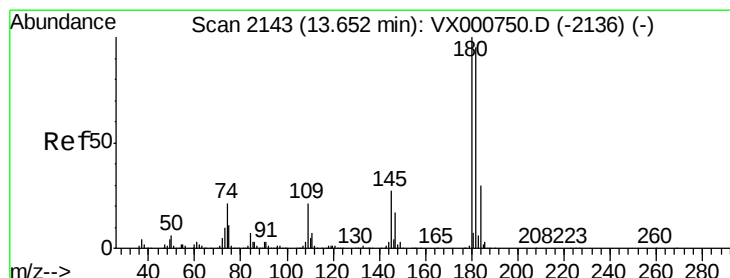
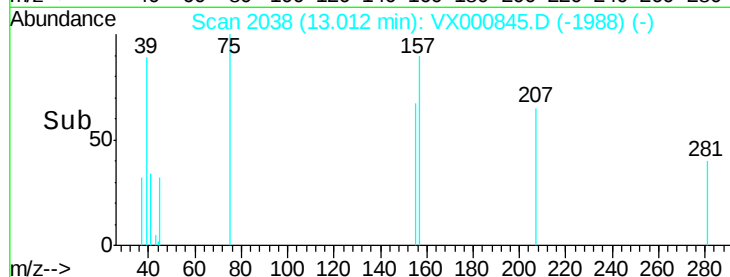
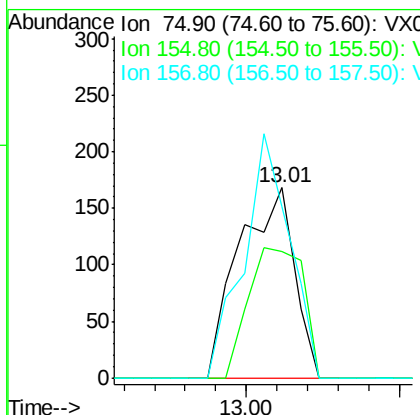
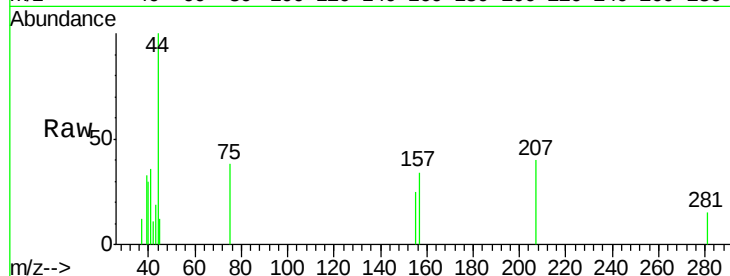
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	75	Resp:	211
Ion Ratio	Lower	Upper	
75	100		
155	67.8	51.9	155.8
157	106.6	66.6	199.8

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#93

1,2,4-Trichlorobenzene

Concen: 0.27 ug/l

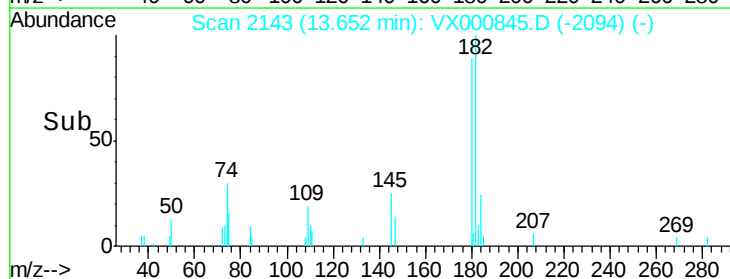
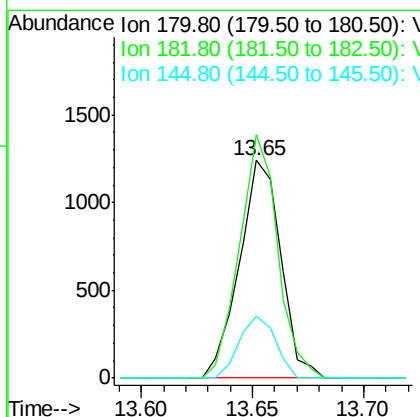
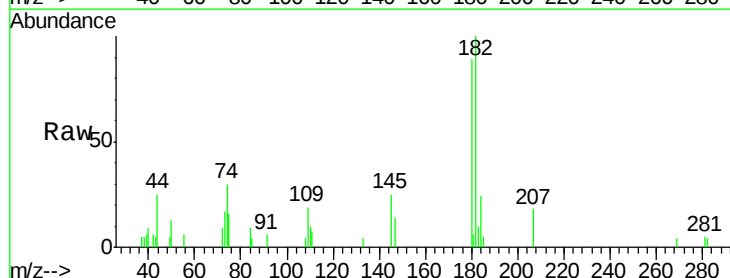
RT: 13.65 min Scan# 2143

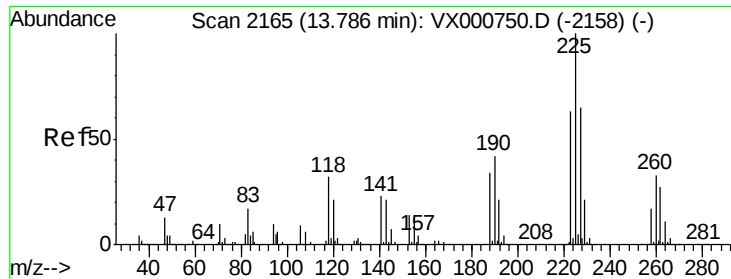
Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	180	Resp:	1611
Ion Ratio	Lower	Upper	
180	100		
182	103.4	47.5	142.5
145	24.9	13.8	41.4





#94

Hexachlorobutadiene

Concen: 0.28 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Instrument :

MSVOA_X

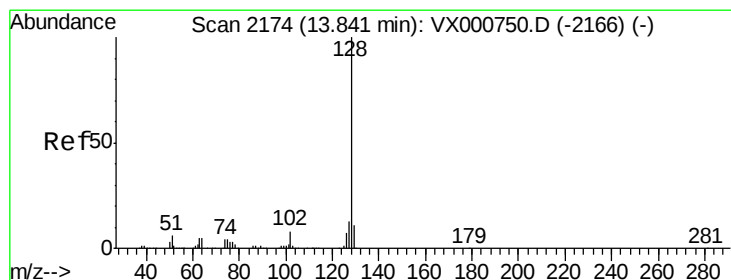
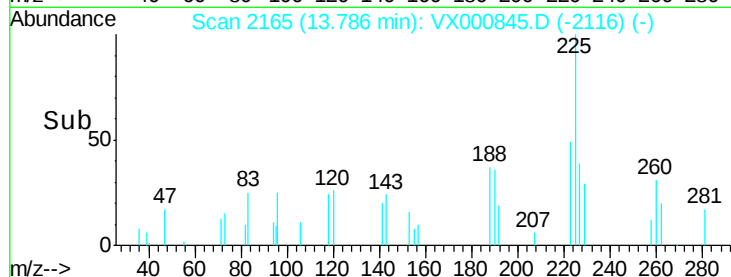
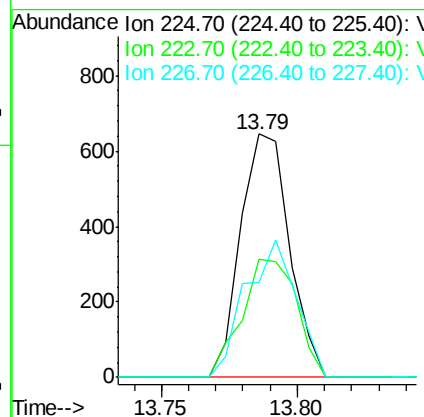
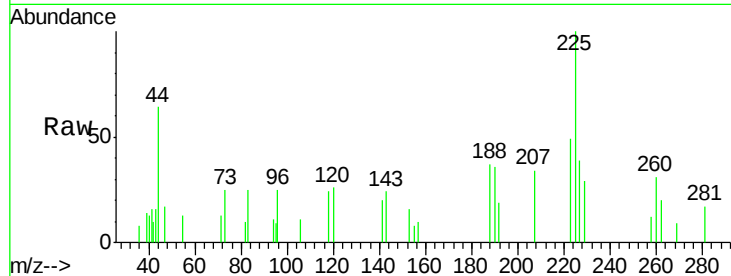
ClientSampleId :

MDL-WATER-03-QT2-2018

Tot Ion:	225	Resp:	805
Ion Ratio	Lower	Upper	
225	100		
223	54.2	31.2	93.6
227	58.3	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
4/16/2018 12:59:57 PM



#95

Naphthalene

Concen: 0.25 ug/l

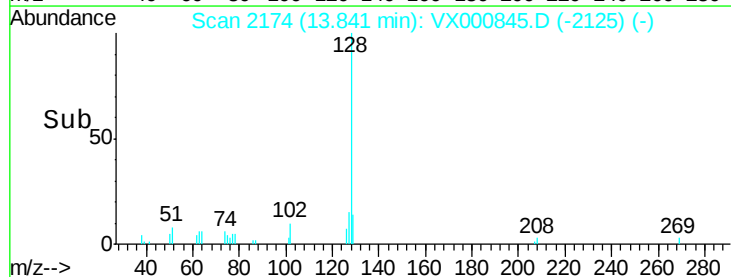
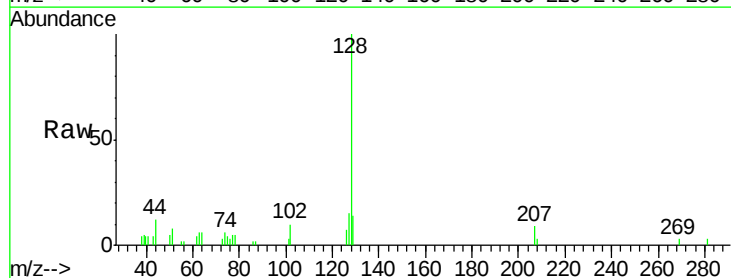
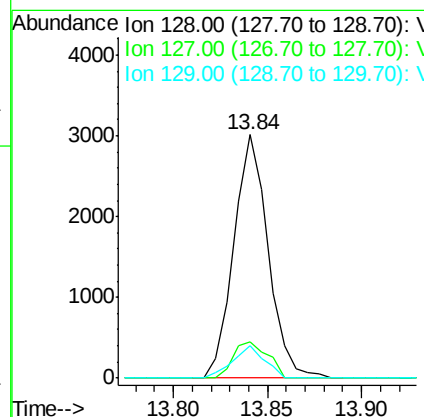
RT: 13.84 min Scan# 2174

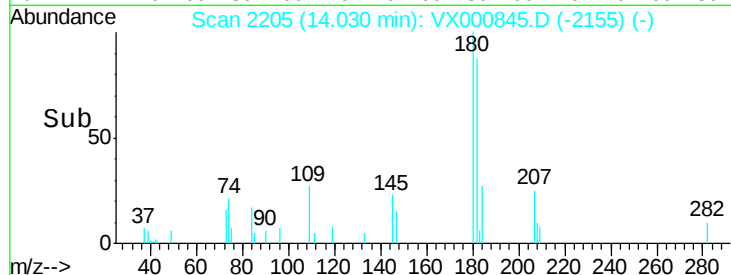
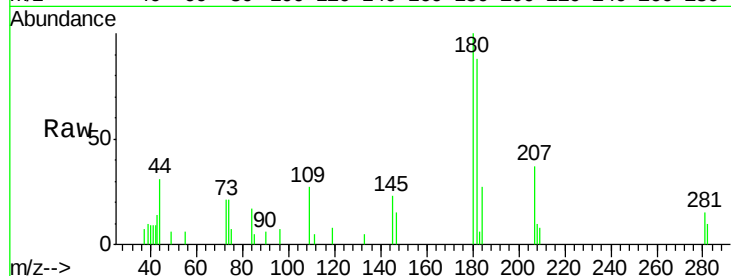
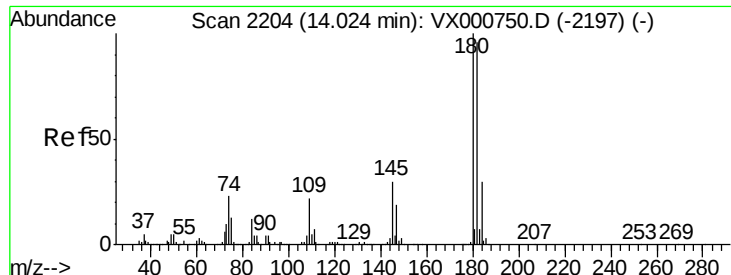
Delta R.T. -0.00 min

Lab File: VX000845.D

Acq: 13 Apr 2018 13:27

Tgt Ion:	128	Resp:	3809
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.4	15.6
129	12.3	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 14.03 min Scan# 2205
 Delta R.T. 0.01 min
 Lab File: VX000845.D
 Acq: 13 Apr 2018 13:27

Tot Ion:	180	Resp:	1476
Ion Ratio	Lower	Upper	
180	100		
182	87.8	48.4	145.2
145	28.0	14.6	43.8

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2018

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:59:57 PM

