

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX101218\
 Data File : VX005292.D
 Acq On : 12 Oct 2018 14:45
 Operator : JC/MD
 Sample : J5164-07 0.2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:54 AM

Quant Time: Oct 15 11:35:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366807	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149757	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
35) Dibromofluoromethane	5.50	113	117698	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	8.72	98	422525	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.14	95	146415	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	653	0.34	ug/l	94
3) Chloromethane	1.32	50	1462	0.52	ug/l	98
4) Vinyl Chloride	1.40	62	710	0.25	ug/l	100
5) Bromomethane	1.64	94	1260	1.36	ug/l #	73
6) Chloroethane	1.72	64	528	0.62	ug/l #	80
7) Trichlorofluoromethane	1.93	101	948	0.25	ug/l #	83
8) Diethyl Ether	2.18	74	536	0.33	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	717	0.33	ug/l #	79
12) 1,1-Dichloroethene	2.37	96	735	0.34	ug/l #	94
14) Allyl chloride	2.72	41	1196	0.25	ug/l #	85
15) Acrylonitrile	3.15	53	2666	1.52	ug/l #	93
16) Acetone	2.45	43	2620	1.65	ug/l	96
17) Carbon Disulfide	2.56	76	3487	0.53	ug/l	95
18) Methyl Acetate	2.78	43	3092	0.68	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1882	0.25	ug/l #	81
20) Methylene Chloride	2.86	84	1365	Below	Cal #	94
21) trans-1,2-Dichloroethene	3.16	96	1013	0.42	ug/l	84
22) Diisopropyl ether	3.87	45	1767	0.22	ug/l #	85
23) Vinyl Acetate	3.82	43	7584	1.09	ug/l	100
24) 1,1-Dichloroethane	3.70	63	1335	0.29	ug/l #	82
25) 2-Butanone	4.71	43	3180	1.37	ug/l	95
26) 2,2-Dichloropropane	4.57	77	836	0.24	ug/l #	76
27) cis-1,2-Dichloroethene	4.59	96	675	0.26	ug/l #	1
28) Bromochloromethane	5.03	49	629m	0.30	ug/l	
29) Tetrahydrofuran	5.17	42	2105	1.42	ug/l #	89
30) Chloroform	5.20	83	1052	0.25	ug/l #	80
31) Cyclohexane	5.59	56	890	0.24	ug/l #	77
32) 1,1,1-Trichloroethane	5.50	97	939	0.25	ug/l #	47
36) 1,1-Dichloropropene	5.81	75	1262	0.36	ug/l	96
37) Ethyl Acetate	4.86	43	1271	0.28	ug/l #	83
38) Carbon Tetrachloride	5.78	117	1156	0.32	ug/l #	81
39) Methylcyclohexane	7.46	83	1165	0.30	ug/l	91
40) Benzene	6.15	78	2317	0.22	ug/l	91
42) 1,2-Dichloroethane	6.19	62	838	0.22	ug/l #	72

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 LOD-MDL-WATER-01-QT4-2018

Manual Integrations
 APPROVED

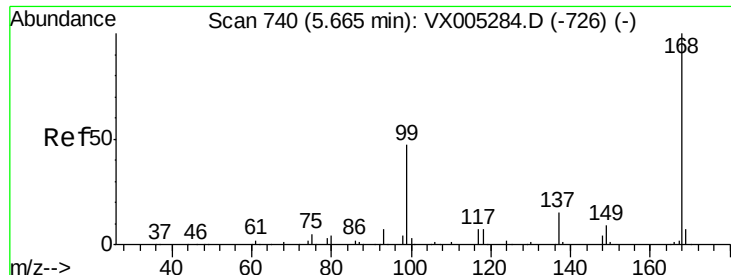
MMDadoda
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Quant Time: Oct 15 11:35:09 2018
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Isopropyl Acetate	6.46	43	1689	0.28	ug/l #	76
44) Trichloroethene	7.22	130	1379	Below Cal		81
45) 1,2-Dichloropropane	7.51	63	658	0.25	ug/l	93
46) Dibromomethane	7.66	93	472	0.27	ug/l	93
47) Bromodichloromethane	7.90	83	758	0.24	ug/l #	94
48) Methyl methacrylate	7.77	41	724	0.23	ug/l #	75
49) 1,4-Dioxane	7.77	88	290	3.98	ug/l #	75
51) 4-Methyl-2-Pentanone	8.65	43	3734	0.89	ug/l	94
52) Toluene	8.79	92	1420	0.24	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	807	0.23	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	847	0.23	ug/l #	83
55) 1,1,2-Trichloroethane	9.22	97	581	0.24	ug/l #	85
56) Ethyl methacrylate	9.18	69	780	0.22	ug/l #	72
57) 1,3-Dichloropropane	9.37	76	953	0.23	ug/l #	85
58) 2-Chloroethyl Vinyl ether	8.32	63	1823	0.90	ug/l	94
59) 2-Hexanone	9.50	43	3209	0.95	ug/l	81
61) 1,2-Dibromoethane	9.68	107	683	0.26	ug/l	85
64) Tetrachloroethene	9.34	164	888	0.33	ug/l #	80
65) Chlorobenzene	10.14	112	1805	0.25	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	572	0.22	ug/l #	59
67) Ethyl Benzene	10.26	91	2595	0.22	ug/l	100
68) m/p-Xylenes	10.36	106	1715	0.38	ug/l #	73
73) Isopropylbenzene	11.02	105	2393	0.23	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	874	0.22	ug/l	92
76) 1,2,3-Trichloropropane	11.30	75	926m	0.27	ug/l	
77) Bromobenzene	11.26	156	795	0.27	ug/l	91
78) n-propylbenzene	11.36	91	3290	0.27	ug/l	99
79) 2-Chlorotoluene	11.42	91	2064	0.28	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	1905	0.21	ug/l	100
82) 4-Chlorotoluene	11.51	91	2343	0.27	ug/l	94
83) tert-Butylbenzene	11.77	119	1989	0.22	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2107	0.23	ug/l	93
85) sec-Butylbenzene	11.94	105	2538	0.24	ug/l	96
86) p-Isopropyltoluene	12.07	119	2419	0.25	ug/l #	72
87) 1,3-Dichlorobenzene	12.02	146	1583	0.28	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	2072m	0.36	ug/l	
89) n-Butylbenzene	12.39	91	2373	0.27	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	1667	0.29	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.00	75	207	0.21	ug/l	83
93) 1,2,4-Trichlorobenzene	13.65	180	1426	0.34	ug/l	97
94) Hexachlorobutadiene	13.79	225	679	0.31	ug/l	84
95) Naphthalene	13.84	128	3693	0.30	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1411	0.33	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 168 Resp: 247276

Ion Ratio Lower Upper

168 100

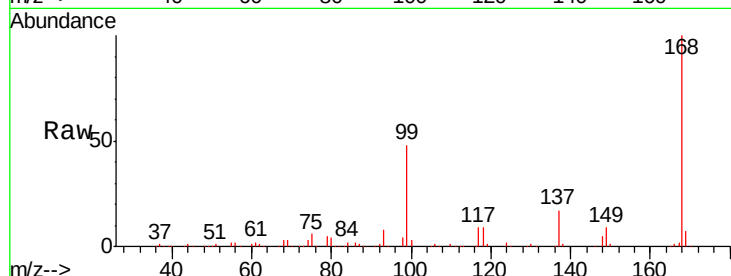
99 48.3 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

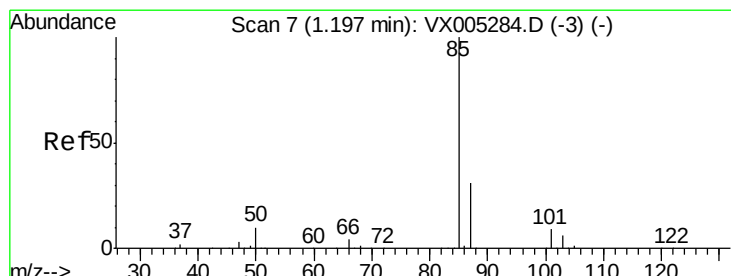
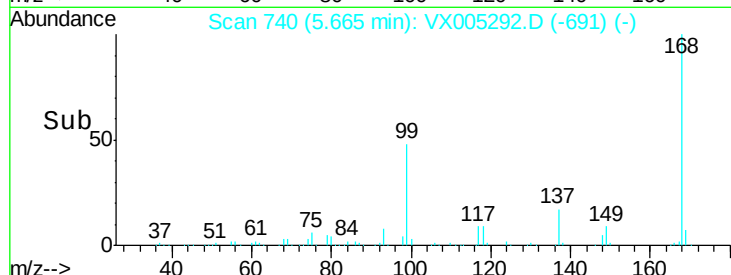
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.34 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005292.D

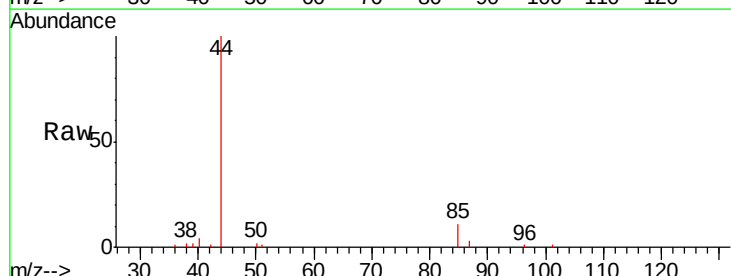
Acq: 12 Oct 2018 14:45

Tgt Ion: 85 Resp: 653

Ion Ratio Lower Upper

85 100

87 30.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

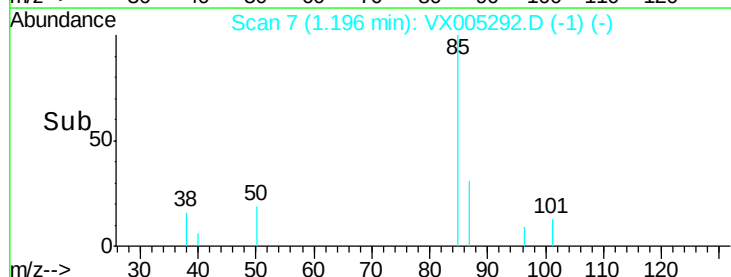
600

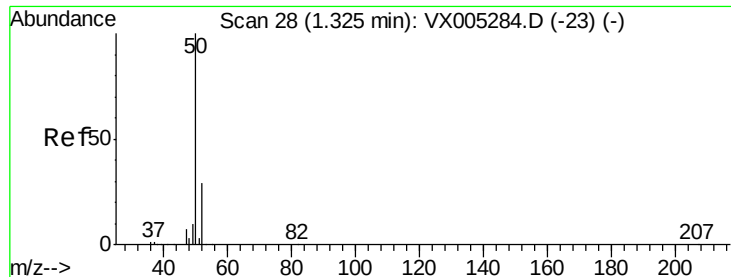
400

200

0

Time--> 1.20 1.25





#3

Chloromethane

Concen: 0.52 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 50 Resp: 1462

Ion Ratio Lower Upper

50 100

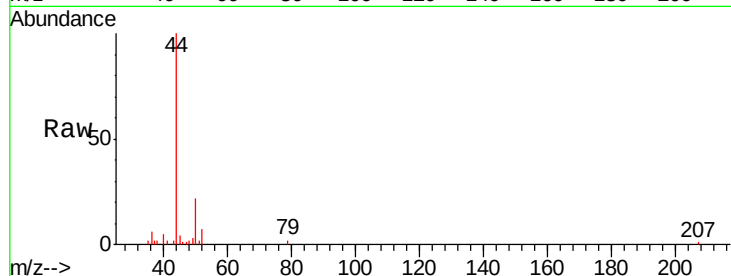
52 31.4 26.2 39.2

Manual Integrations

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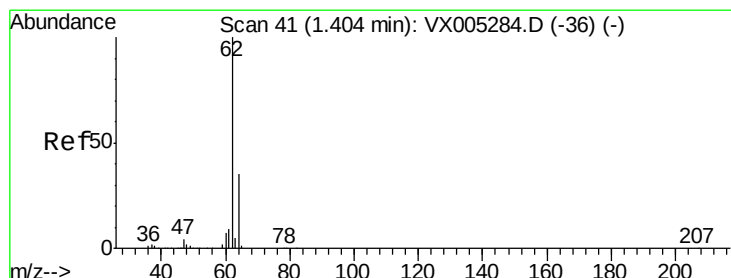
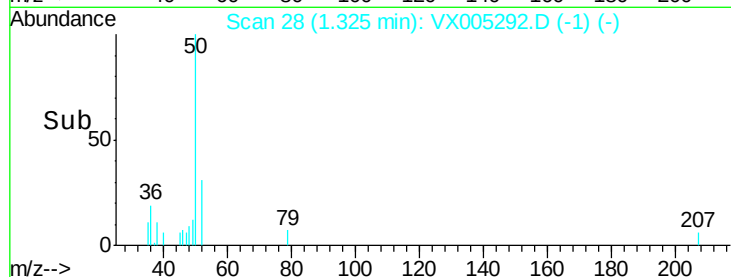
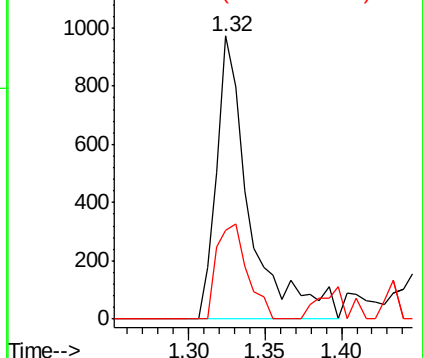
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.25 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005292.D

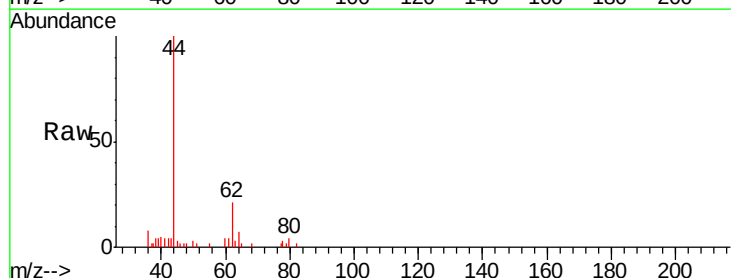
Acq: 12 Oct 2018 14:45

Tgt Ion: 62 Resp: 710

Ion Ratio Lower Upper

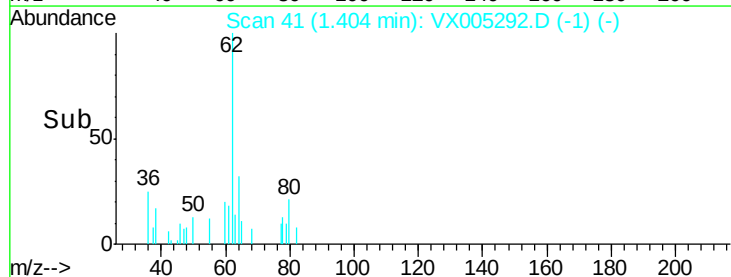
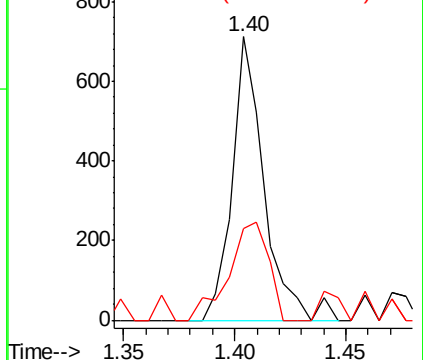
62 100

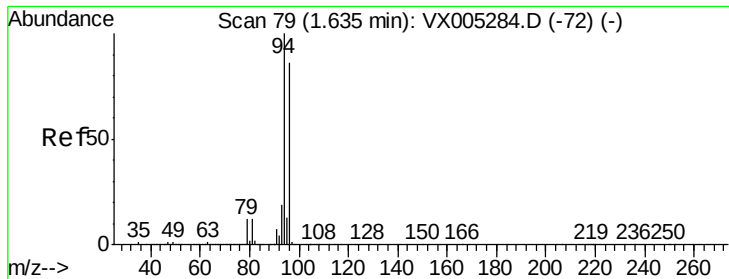
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.36 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

94 100

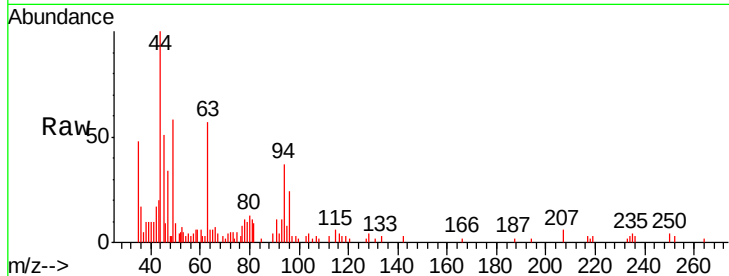
96 66.9 74.5 111.7#

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Abundance Ion 93.90 (93.60 to 94.60): VX0

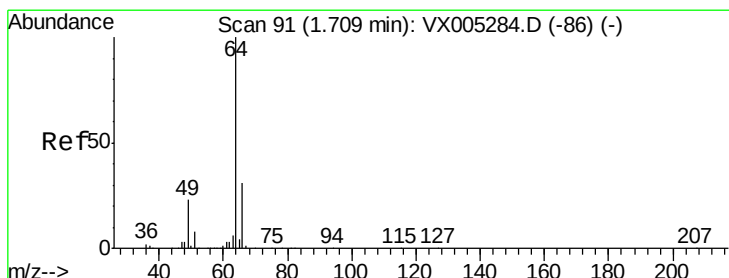
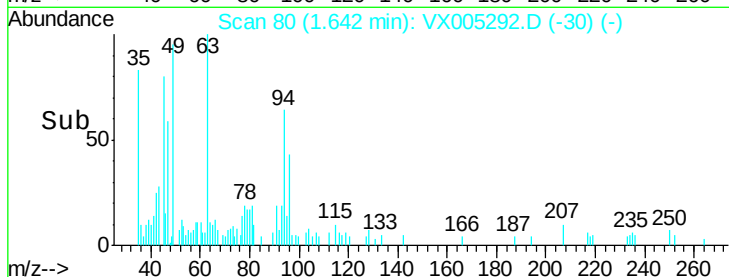
Ion 95.90 (95.60 to 96.60): VX0

1.64

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.62 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005292.D

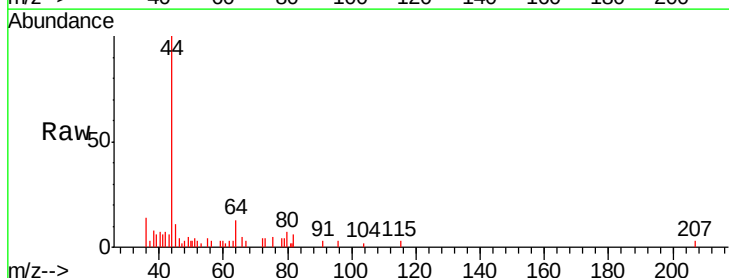
Acq: 12 Oct 2018 14:45

Tgt Ion: 64 Resp: 528

Ion Ratio Lower Upper

64 100

66 19.5 24.6 36.8#



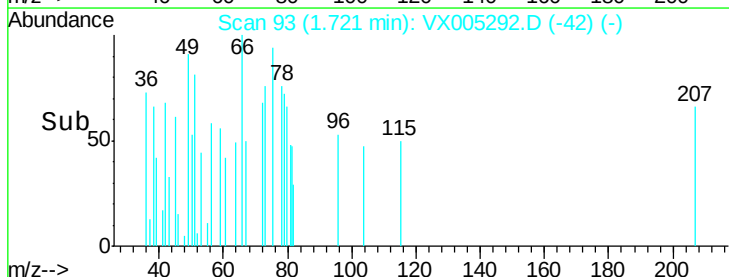
Abundance Ion 63.90 (63.60 to 64.60): VX0

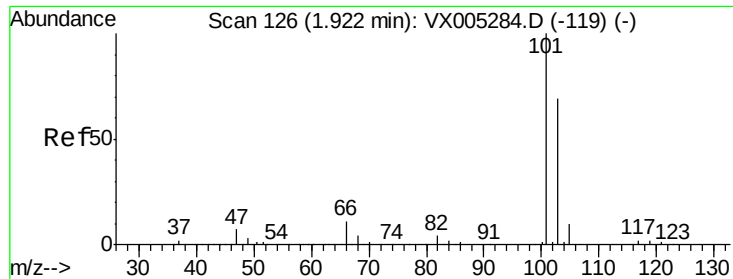
Ion 65.90 (65.60 to 66.60): VX0

1.72

1.75

Time-->





#7

Trichlorofluoromethane

Concen: 0.25 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 101 Resp: 948

Ion Ratio Lower Upper

101 100

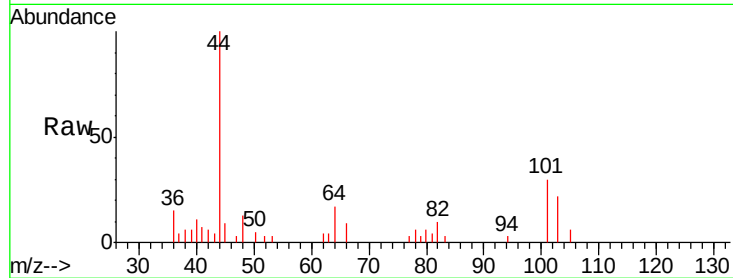
103 74.4 48.9 73.3#

Manual Integrations

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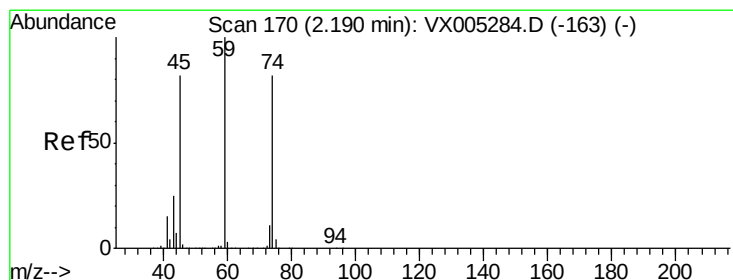
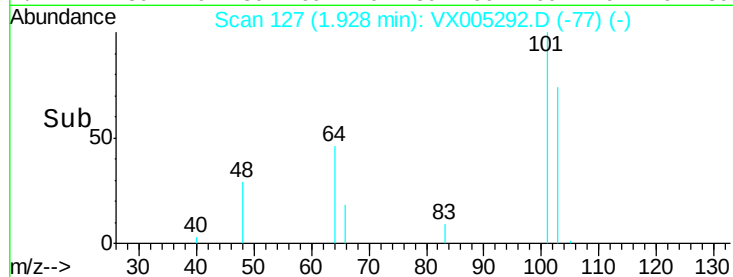
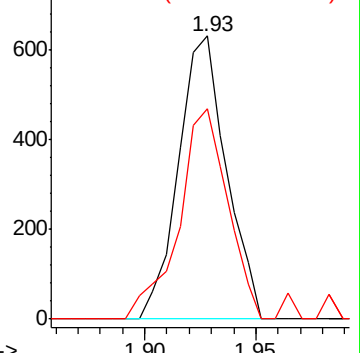
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.33 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX005292.D

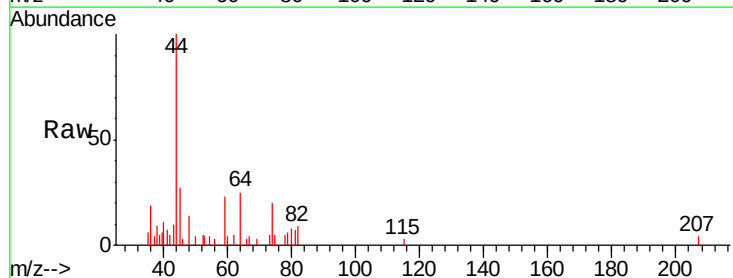
Acq: 12 Oct 2018 14:45

Tgt Ion: 74 Resp: 536

Ion Ratio Lower Upper

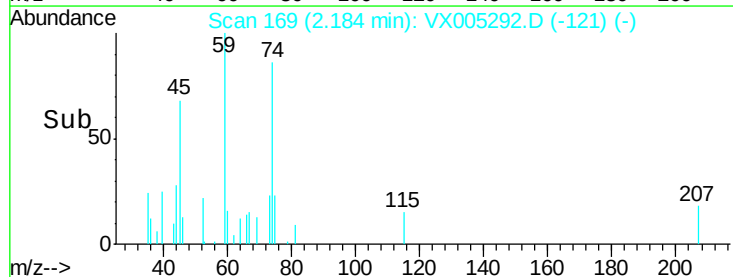
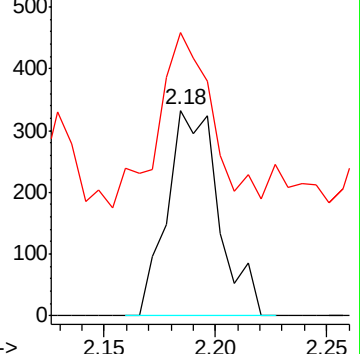
74 100

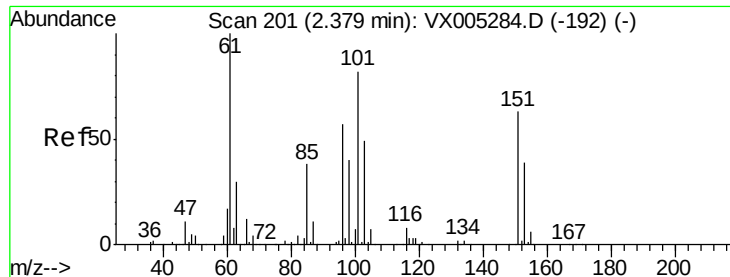
45 89.0 48.3 144.8



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: 0.33 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

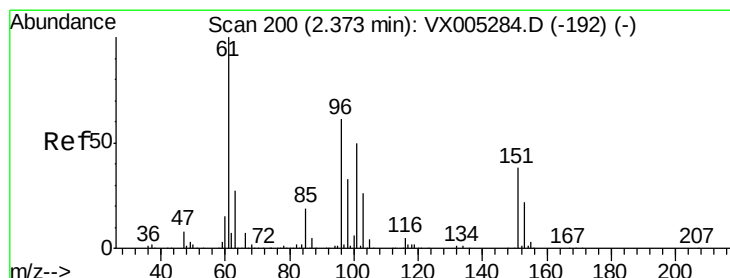
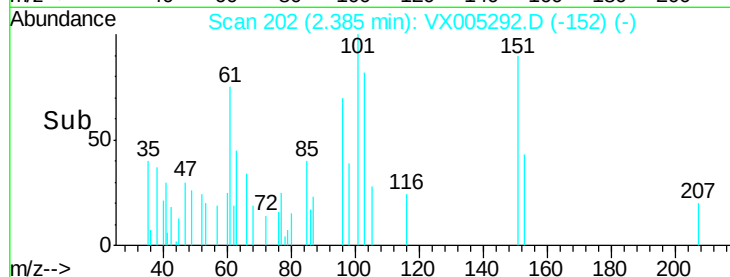
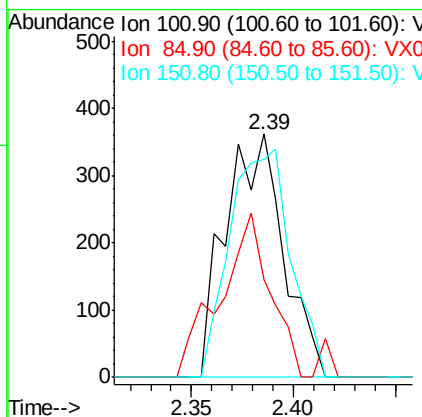
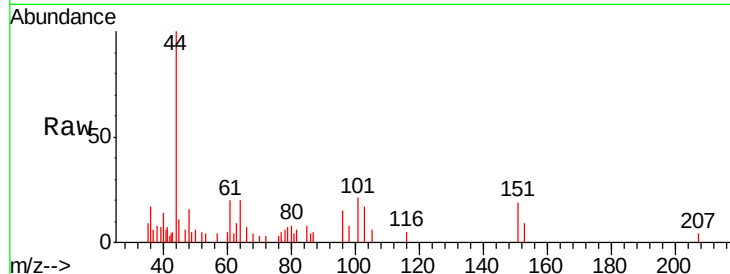
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	101	Resp:	717
Ion Ratio	Lower	Upper	
101	100		
85	58.2	34.2	51.4#
151	98.3	65.0	97.6#

Manual Integrations
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10/17/2018 9:04:54 AM



#12

1,1-Dichloroethene

Concen: 0.34 ug/l

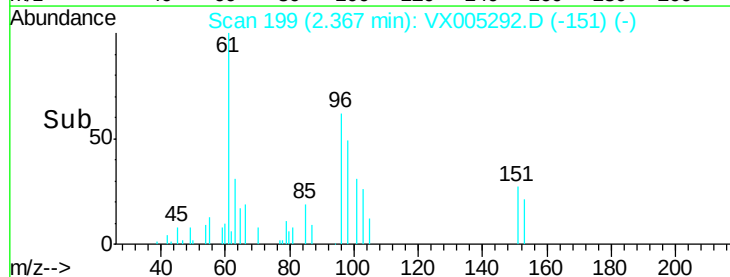
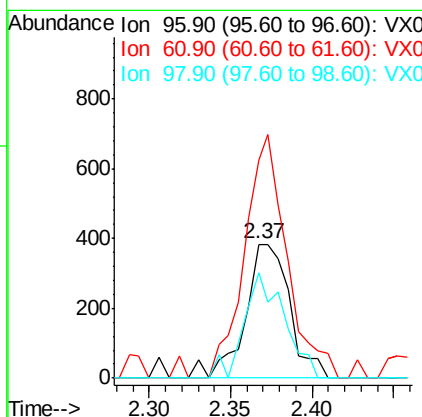
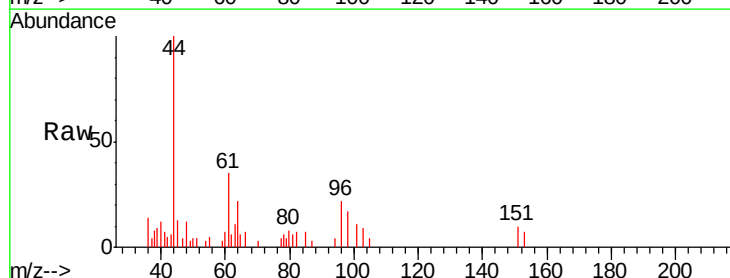
RT: 2.37 min Scan# 199

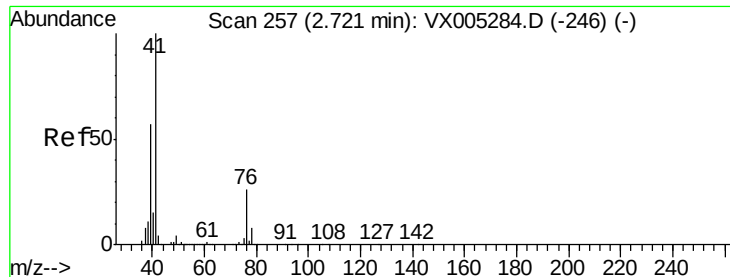
Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	96	Resp:	735
Ion Ratio	Lower	Upper	
96	100		
61	162.5	128.8	193.2
98	78.9	52.2	78.2#





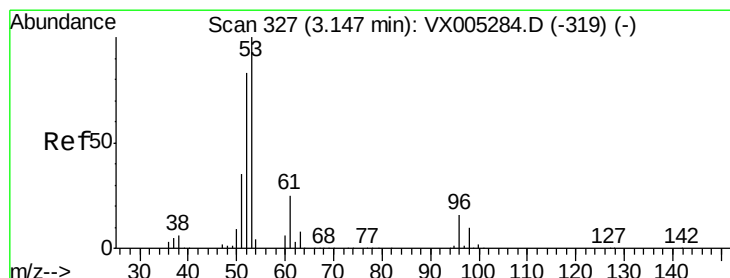
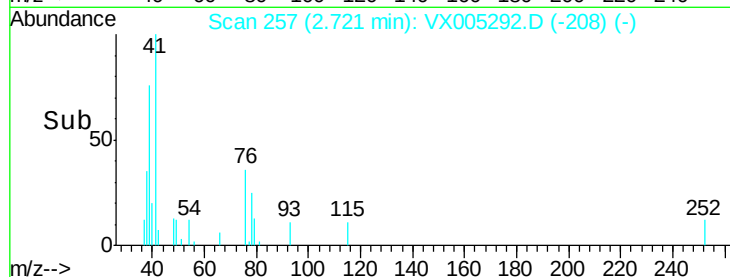
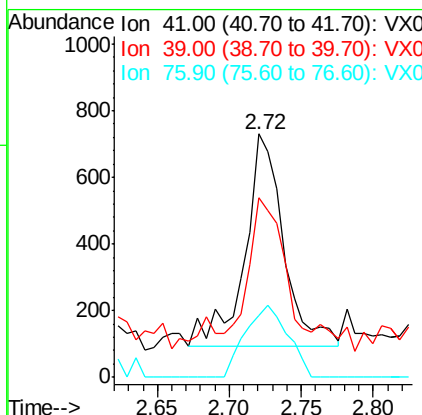
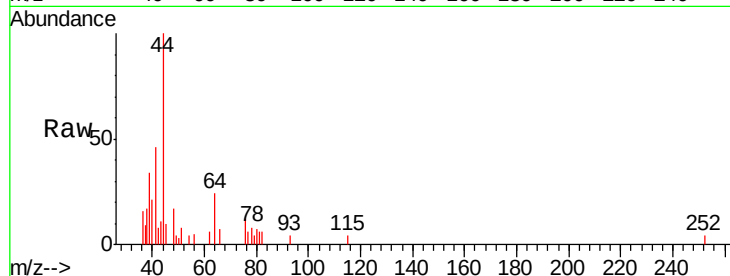
#14
 Allyl chloride
 Concen: 0.25 ug/l
 RT: 2.72 min Scan# 257
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.7	48.9	73.3#
76	37.1	26.7	40.1

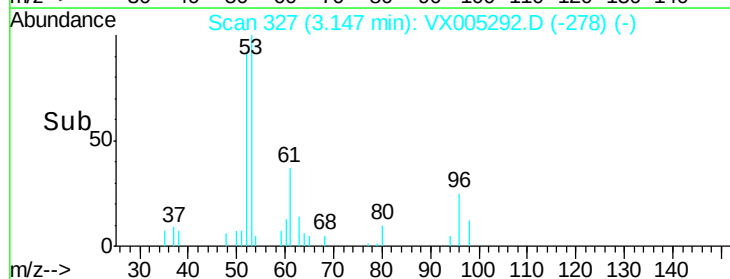
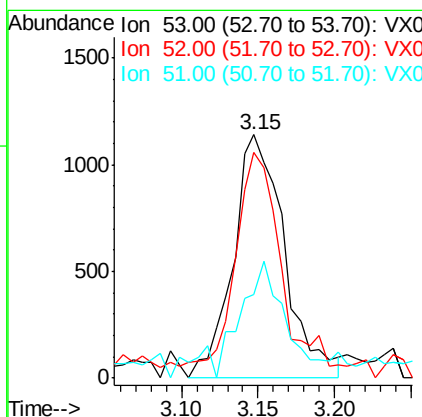
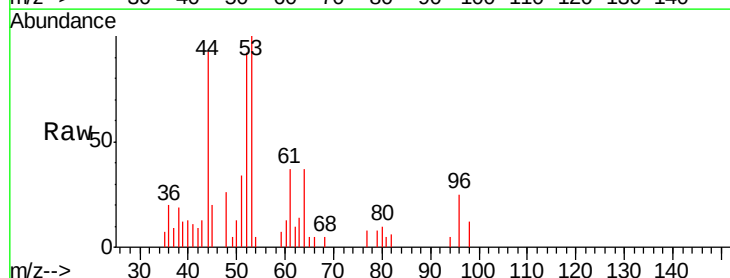
Manual Integrations
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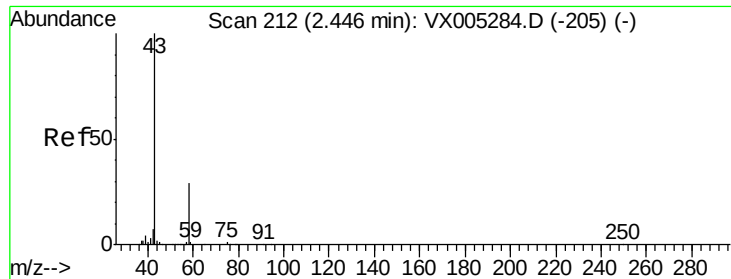
MMDadoda
 10/17/2018 9:04:54 AM



#15
 Acrylonitrile
 Concen: 1.52 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.2	97.8
51	47.8	28.2	42.2#





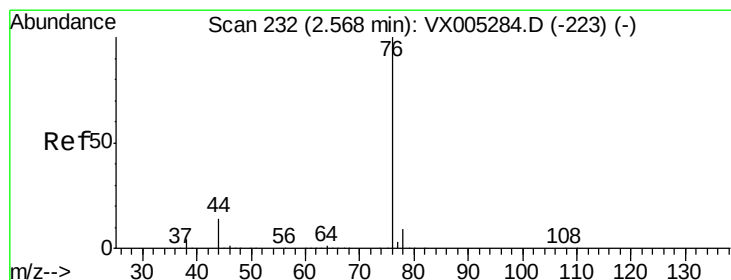
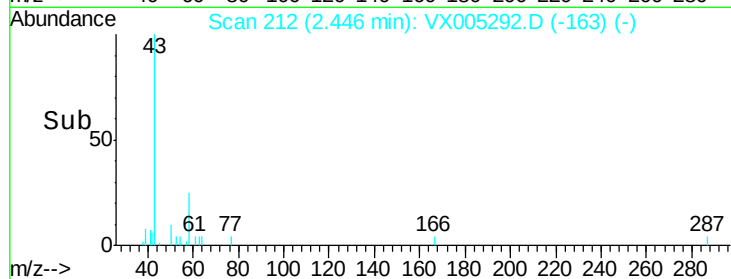
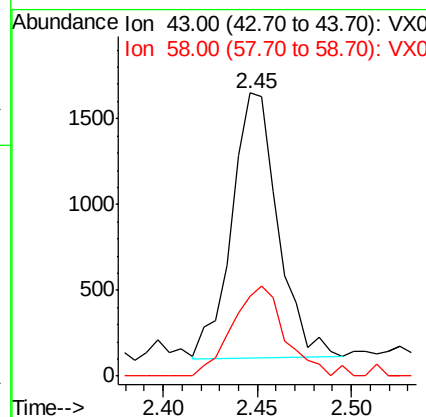
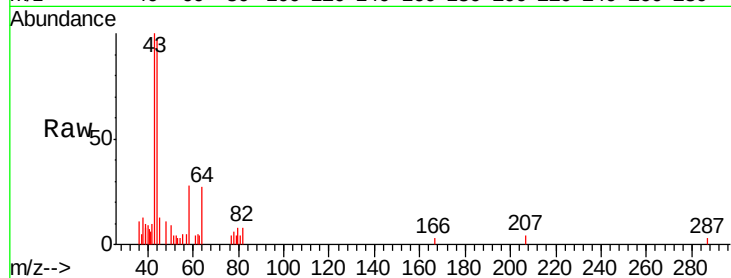
#16
Acetone
Concen: 1.65 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 2620
Ion Ratio Lower Upper
43 100
58 30.3 26.2 39.4

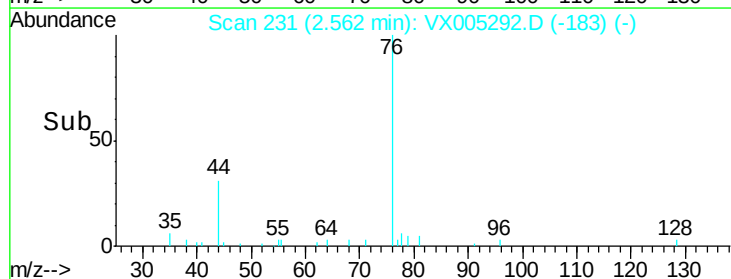
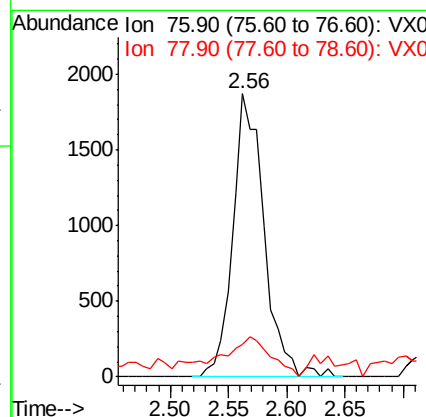
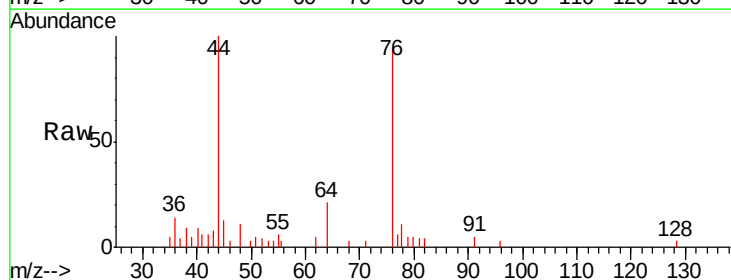
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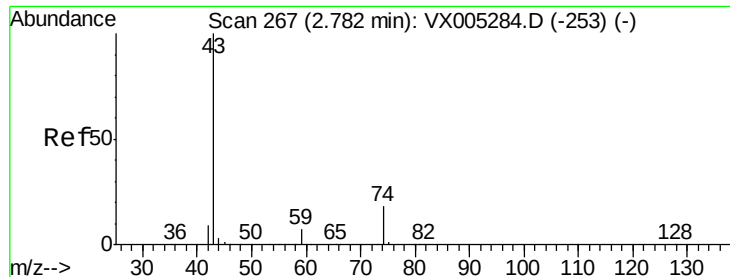
MMDadoda
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#17
Carbon Disulfide
Concen: 0.53 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 76 Resp: 3487
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.6





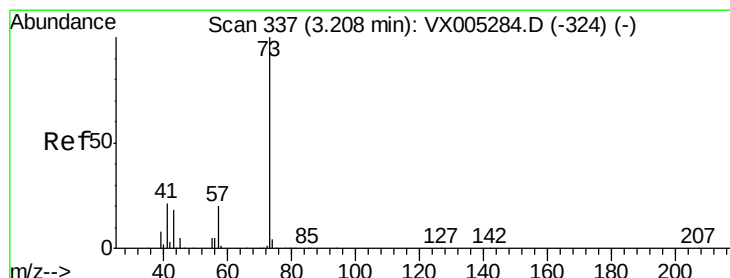
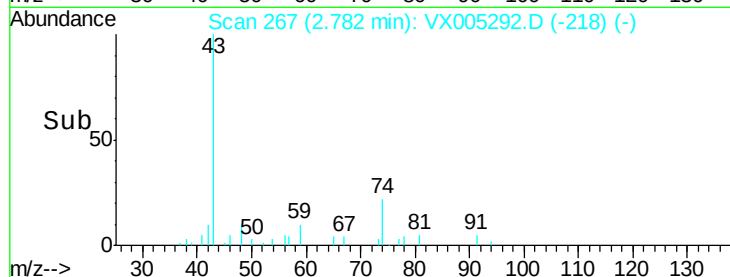
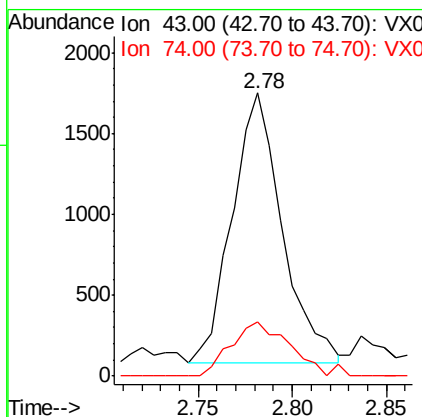
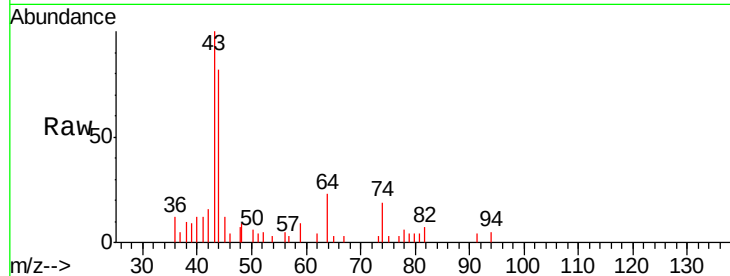
#18
Methyl Acetate
Concen: 0.68 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 43 Resp: 3092
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2

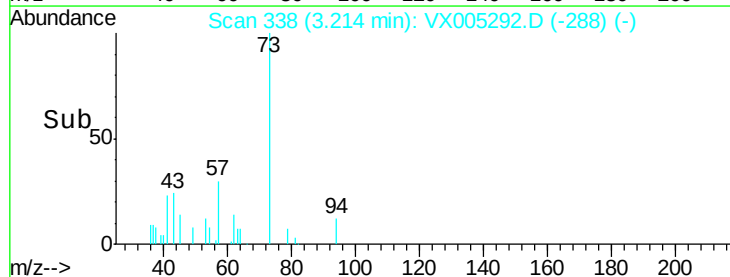
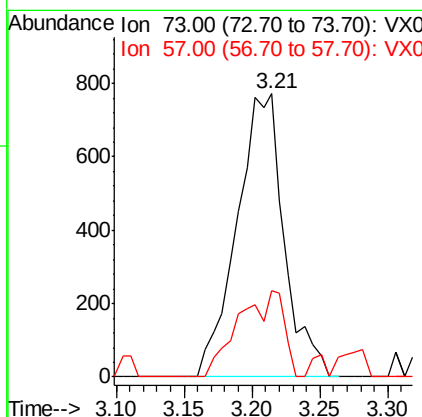
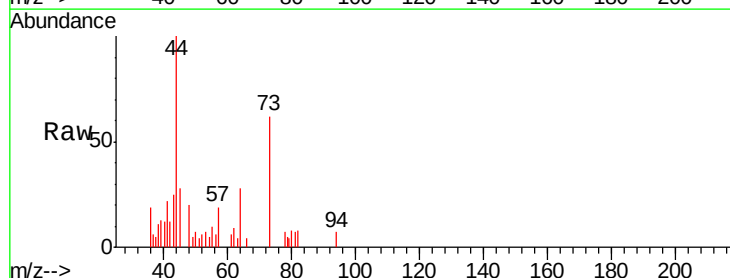
Manual Integrations
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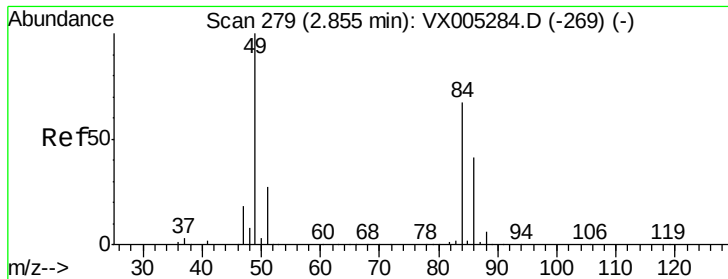
MMDadoda
10/17/2018 9:04:54 AM



#19
Methyl tert-butyl Ether
Concen: 0.25 ug/l
RT: 3.21 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 73 Resp: 1882
Ion Ratio Lower Upper
73 100
57 30.4 17.1 25.7#





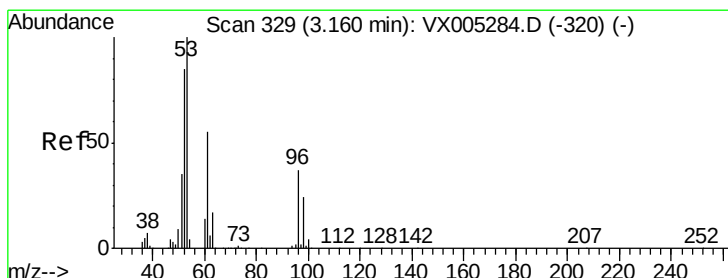
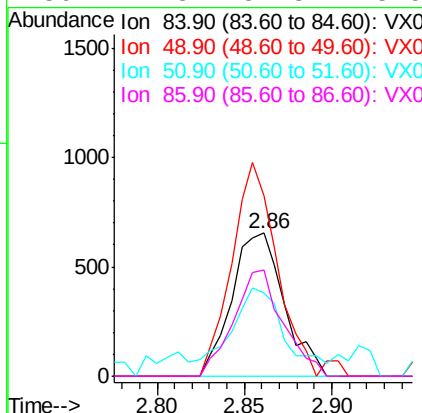
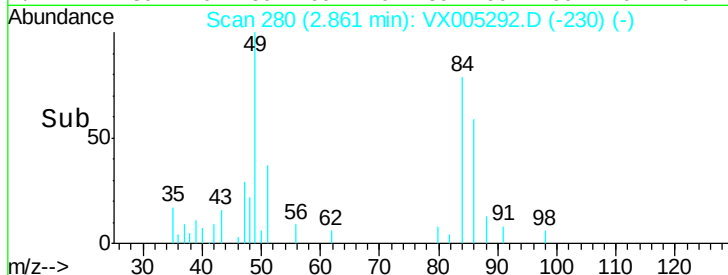
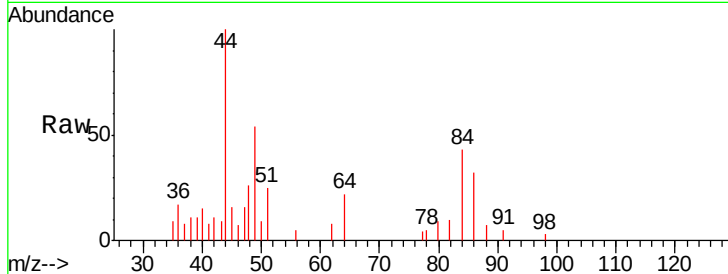
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	101.2	151.8
51	47.9	29.5	44.3
86	74.3	52.3	78.5

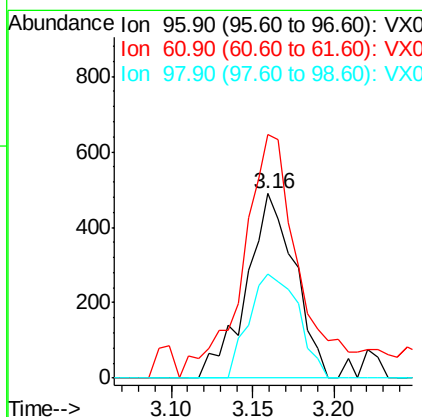
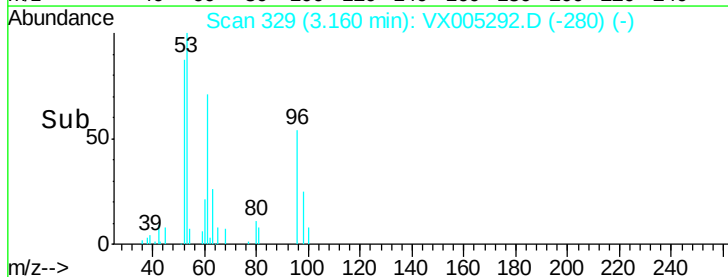
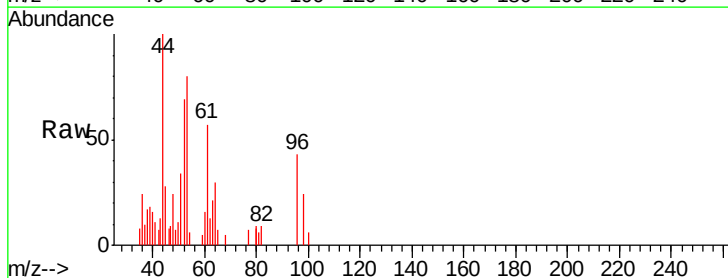
Manual Integrations
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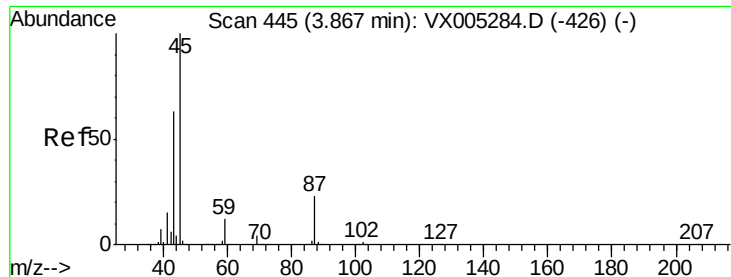
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#21
trans-1,2-Dichloroethene
Concen: 0.42 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.0	113.8	170.6
98	56.4	51.8	77.8





#22

Diisopropyl ether

Concen: 0.22 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

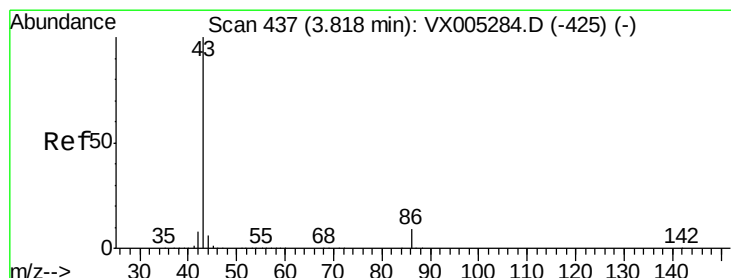
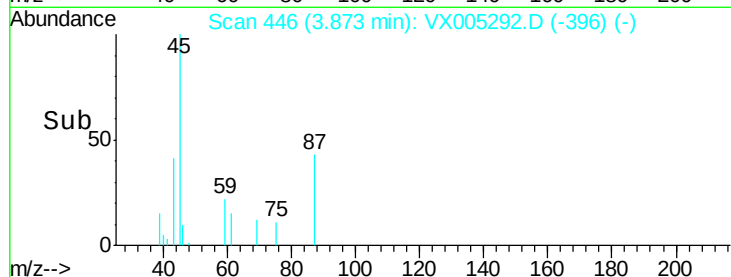
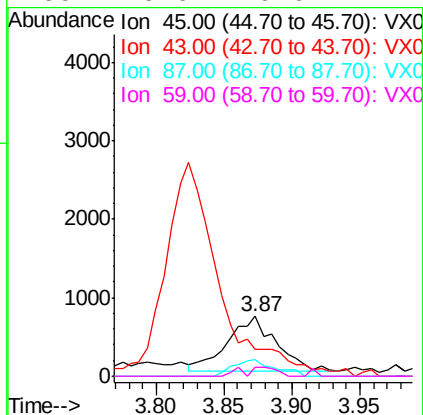
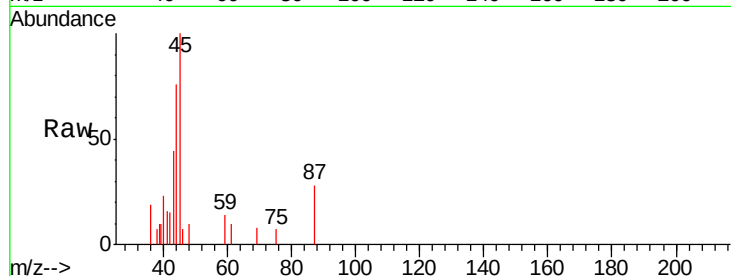
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	45	Resp:	1767
Ion	Ratio	Lower	Upper
45	100		
43	38.2	42.8	64.2#
87	30.6	22.6	34.0
59	15.6	9.6	14.4#

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#23

Vinyl Acetate

Concen: 1.09 ug/l

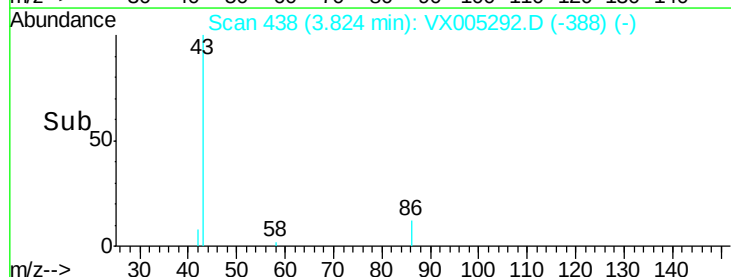
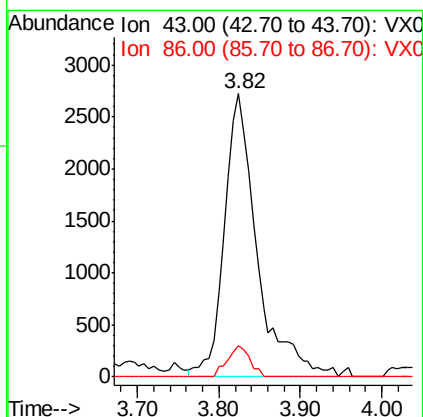
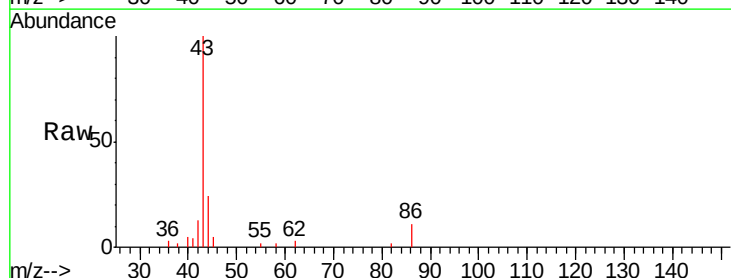
RT: 3.82 min Scan# 438

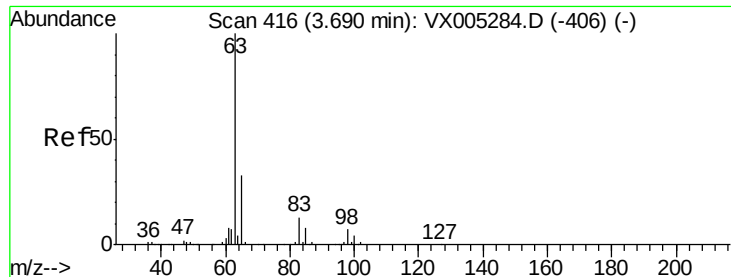
Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	43	Resp:	7584
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3





#24

1,1-Dichloroethane

Concen: 0.29 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

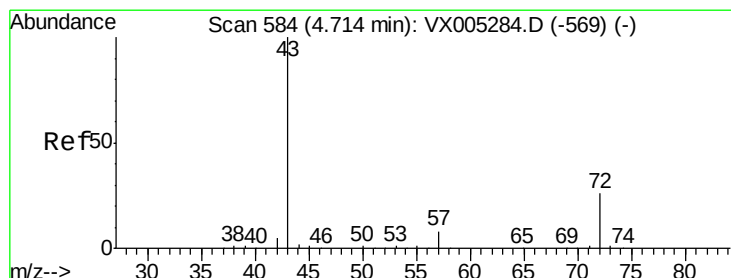
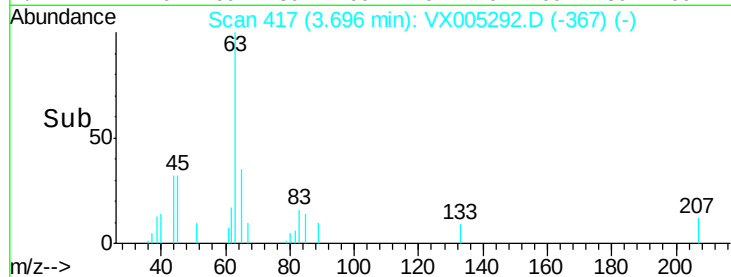
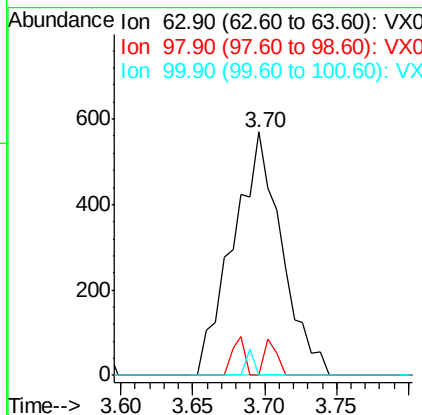
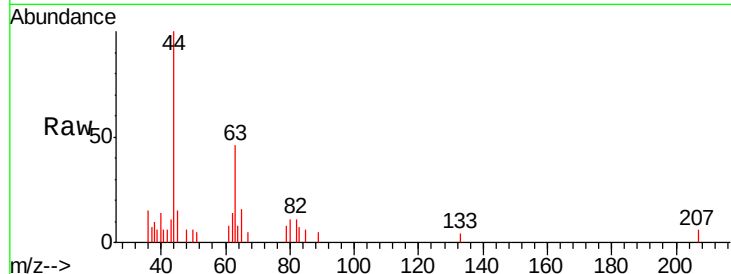
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	63	Resp:	1335
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.5	10.4#
100	0.0	2.4	7.1#

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#25

2-Butanone

Concen: 1.37 ug/l

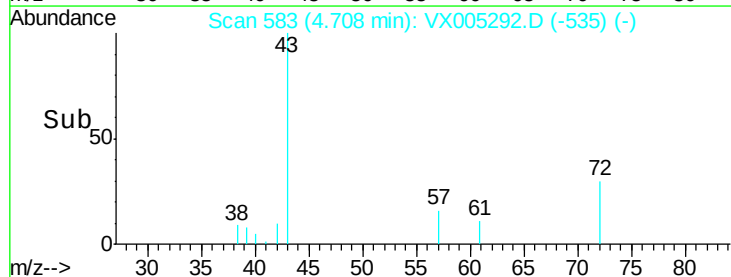
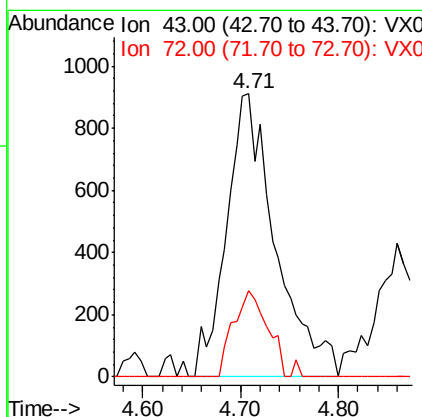
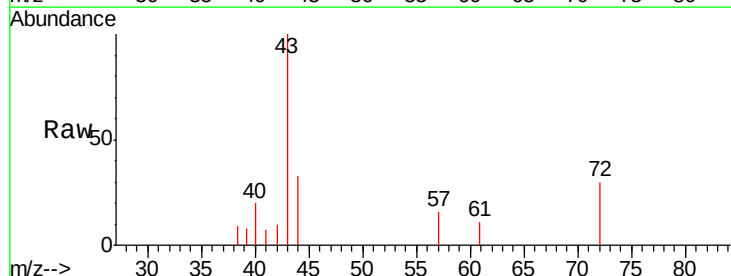
RT: 4.71 min Scan# 583

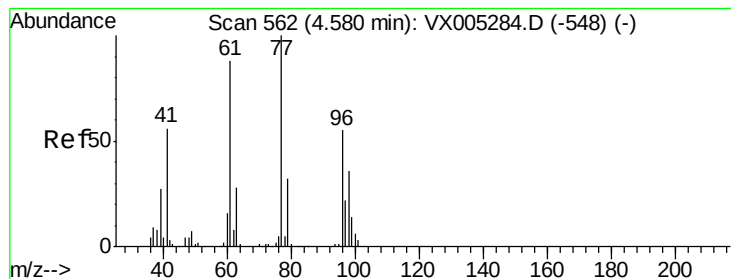
Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	43	Resp:	3180
Ion Ratio	Lower	Upper	
43	100		
72	30.3	22.0	33.0





#26

2,2-Dichloropropane

Concen: 0.24 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 77 Resp: 836

Ion Ratio Lower Upper

77 100

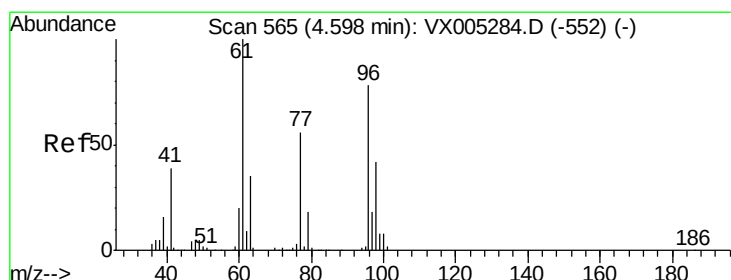
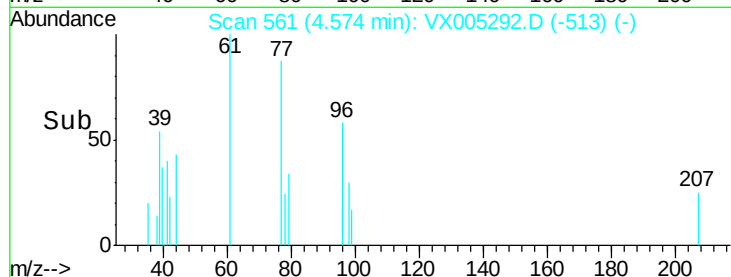
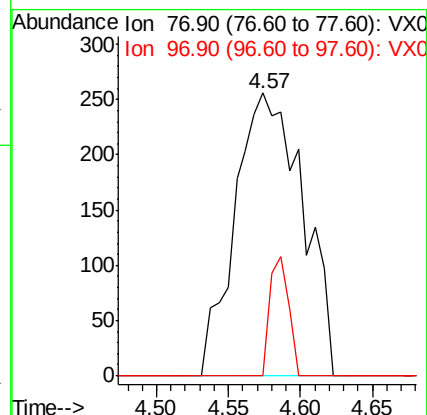
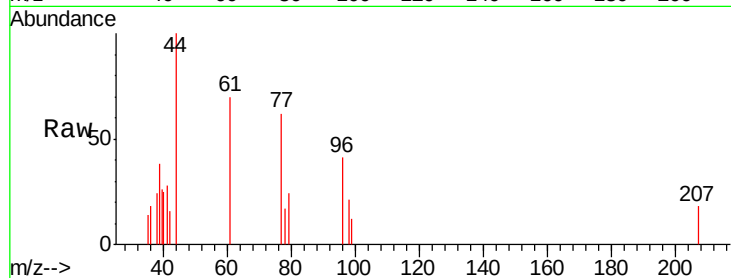
97 11.4 11.7 35.0#

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#27

cis-1,2-Dichloroethene

Concen: 0.26 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

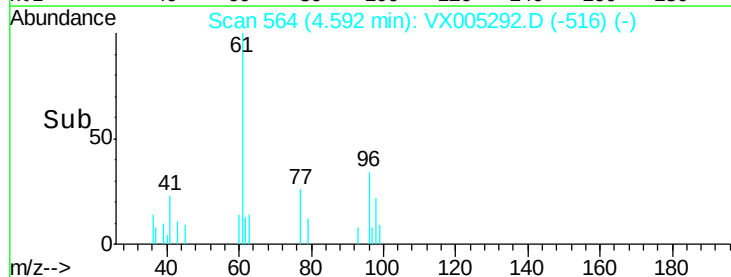
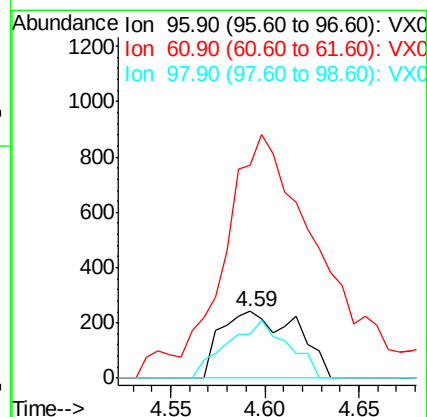
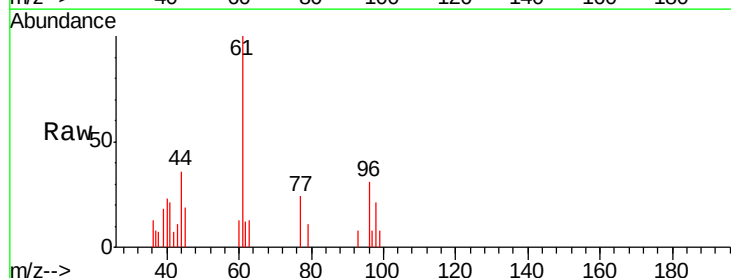
Tgt Ion: 96 Resp: 675

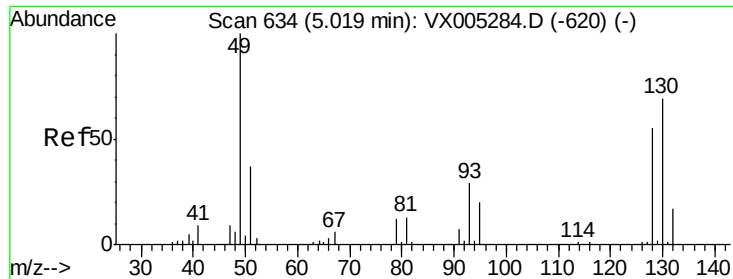
Ion Ratio Lower Upper

96 100

61 462.4 0.0 282.6#

98 69.2 0.0 130.2





#28

Bromochloromethane

Concen: 0.30 ug/l m

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 49 Resp: 629

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

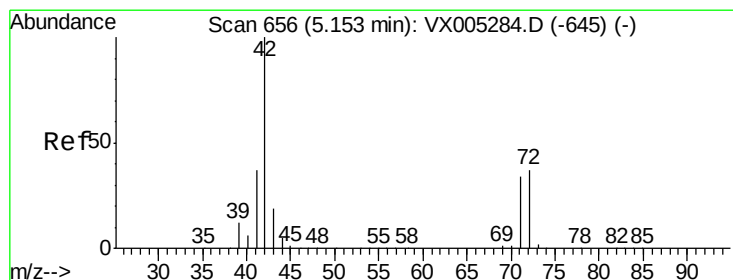
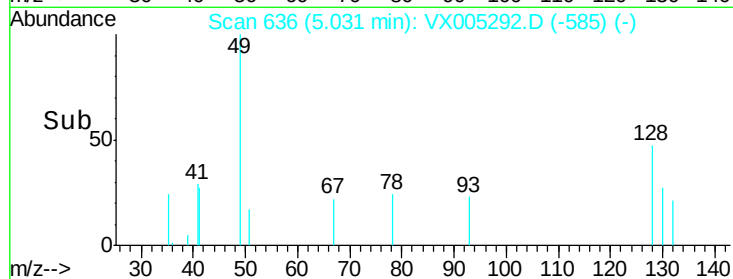
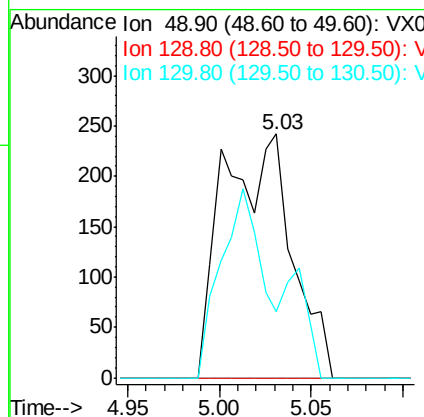
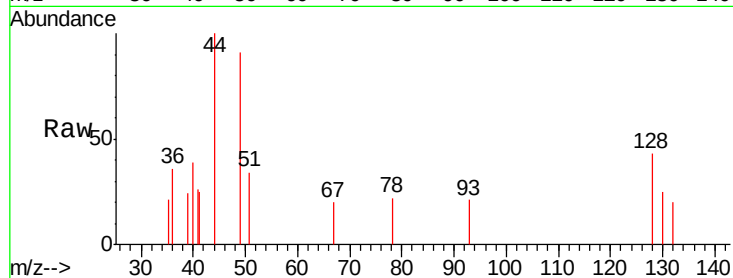
130 47.7 67.5 101.3#

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#29

Tetrahydrofuran

Concen: 1.42 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

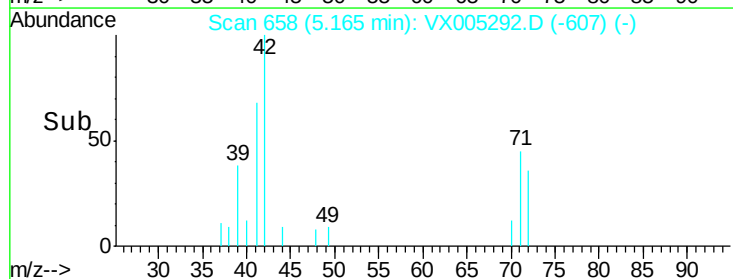
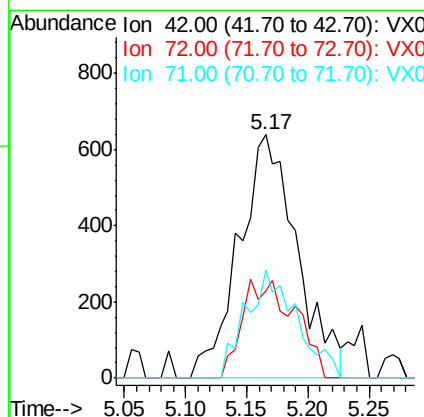
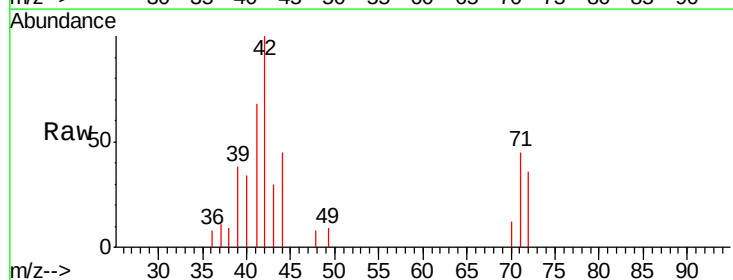
Tgt Ion: 42 Resp: 2105

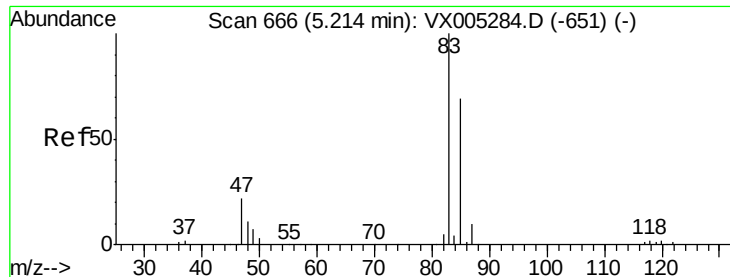
Ion Ratio Lower Upper

42 100

72 36.8 37.4 56.0#

71 38.8 34.5 51.7





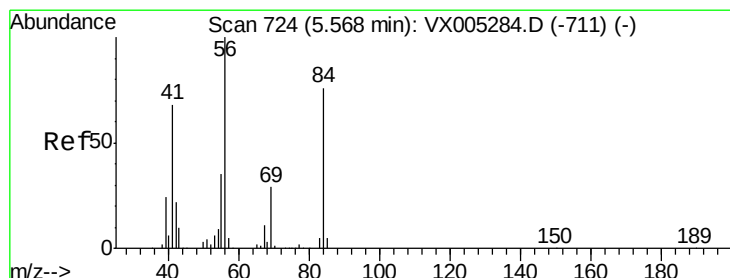
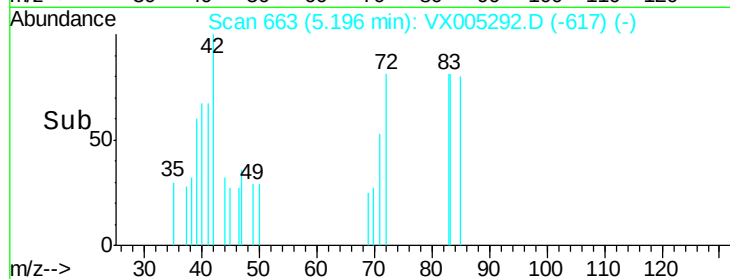
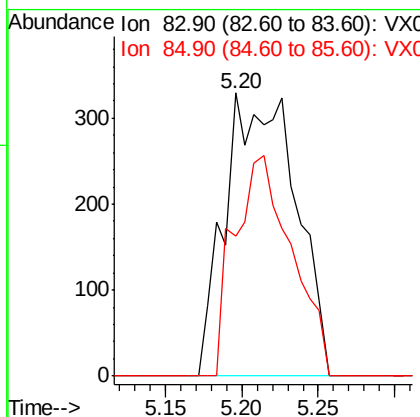
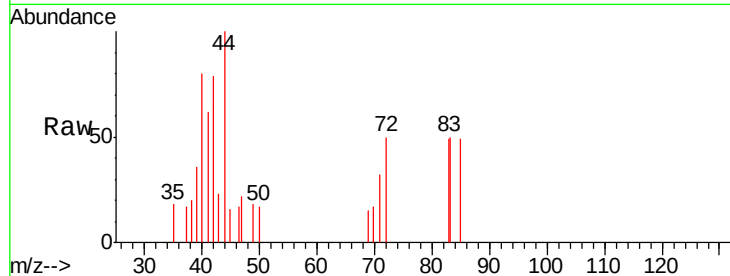
#30
Chloroform
Concen: 0.25 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.02 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 83 Resp: 1052
Ion Ratio Lower Upper
83 100
85 49.5 52.6 79.0#

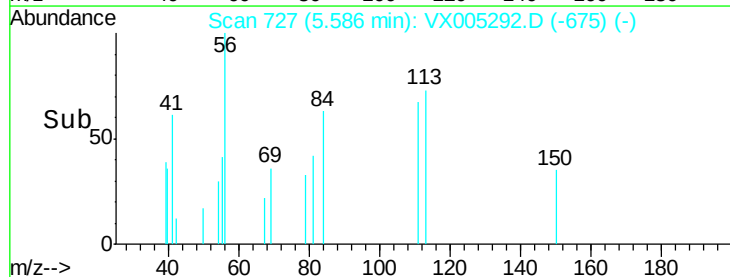
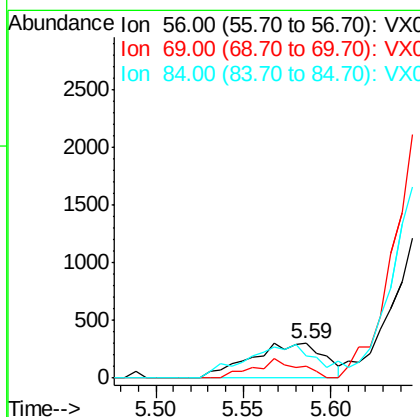
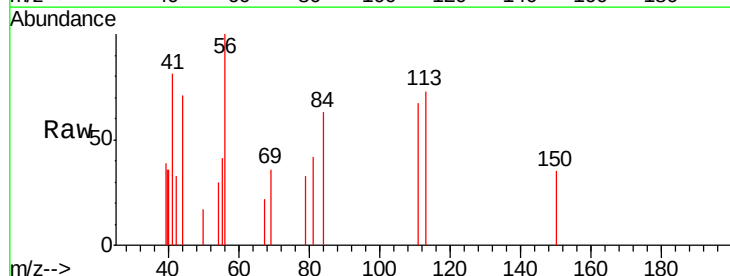
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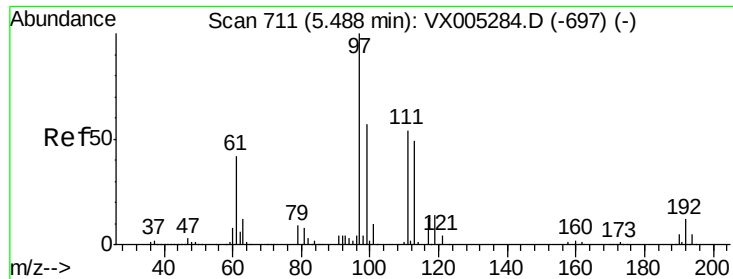
MMDadoda
10/17/2018 9:04:54 AM



#31
Cyclohexane
Concen: 0.24 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.02 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 56 Resp: 890
Ion Ratio Lower Upper
56 100
69 35.7 25.4 38.2
84 62.7 71.4 107.2#





#32

1,1,1-Trichloroethane

Concen: 0.25 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

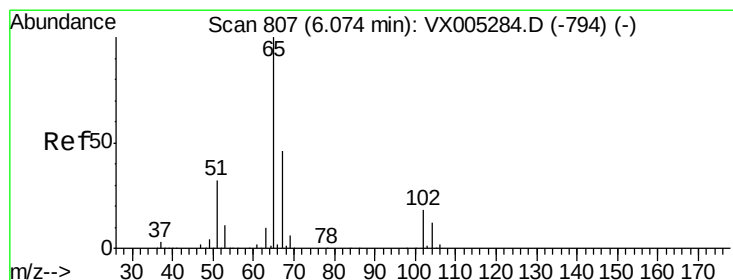
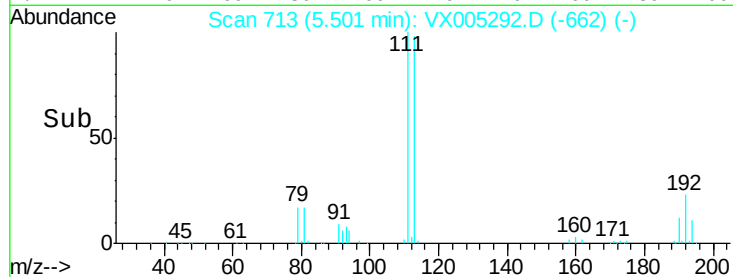
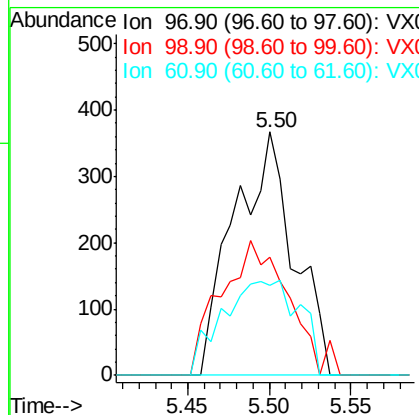
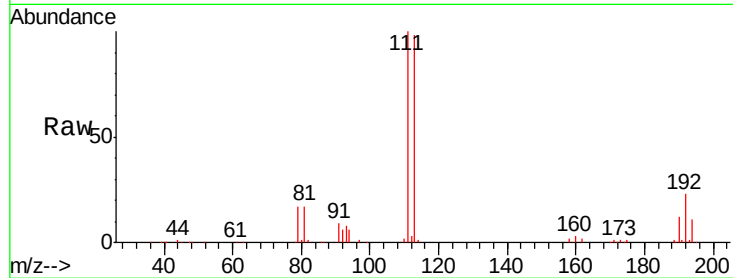
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	97	Resp:	939
Ion Ratio	Lower	Upper	
97	100		
99	0.0	52.0	78.0#
61	49.7	34.9	52.3

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#33

1,2-Dichloroethane-d4

Concen: 54.57 ug/l

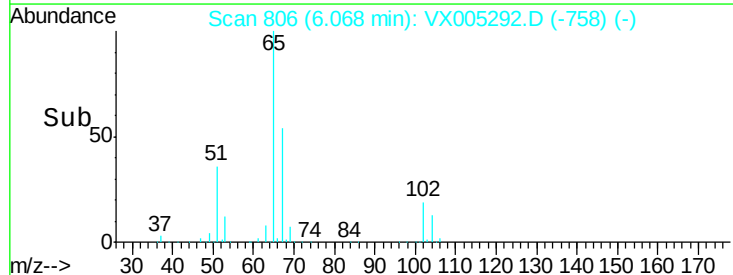
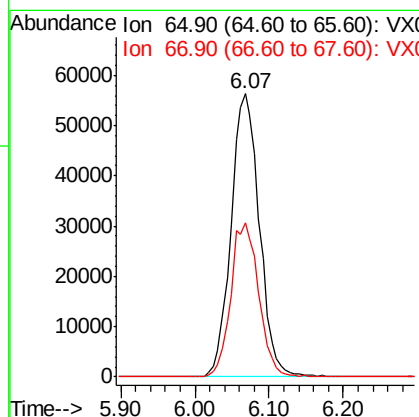
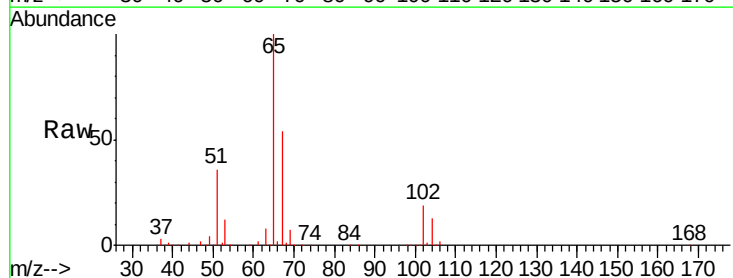
RT: 6.07 min Scan# 806

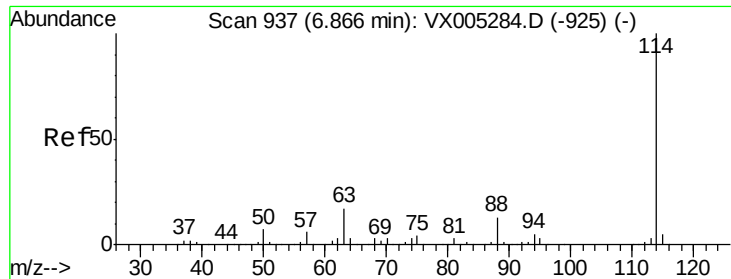
Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	65	Resp:	149757
Ion Ratio	Lower	Upper	
65	100		
67	53.8	0.0	106.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

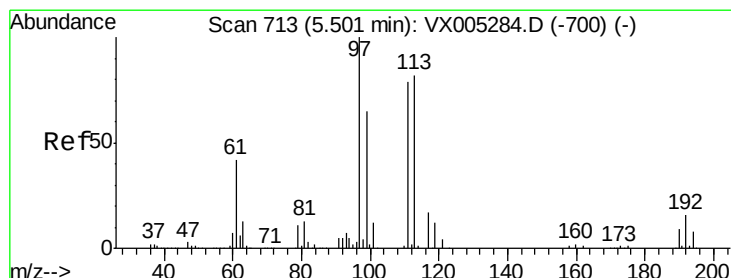
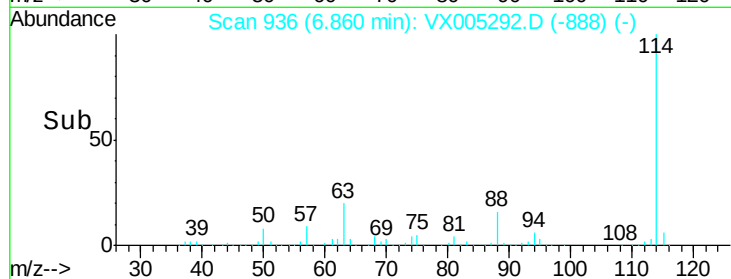
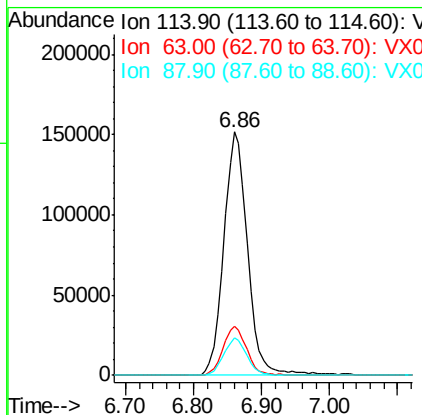
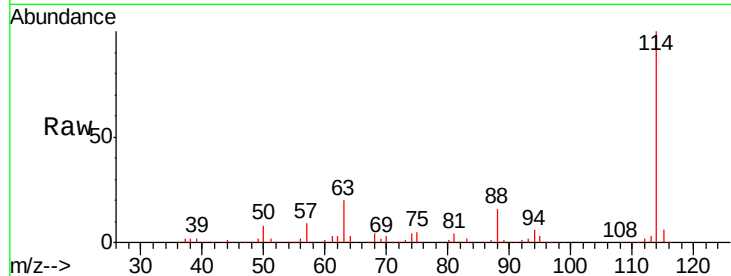
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	114	Resp:	366807
Ion Ratio	Lower	Upper	
114	100		
63	20.4	0.0	39.0
88	15.5	0.0	30.4

Manual Integrations
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#35

Dibromofluoromethane

Concen: 48.45 ug/l

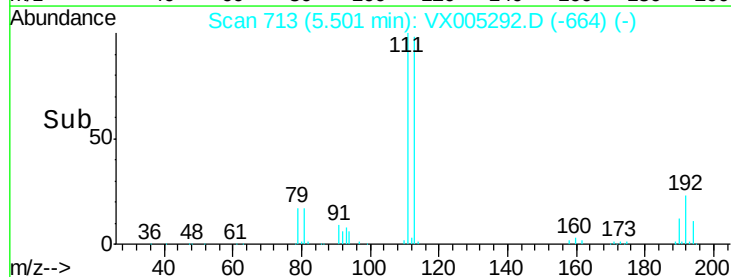
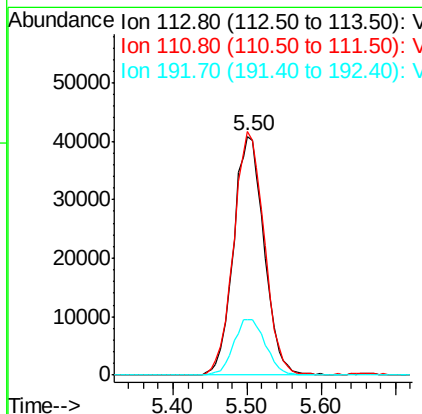
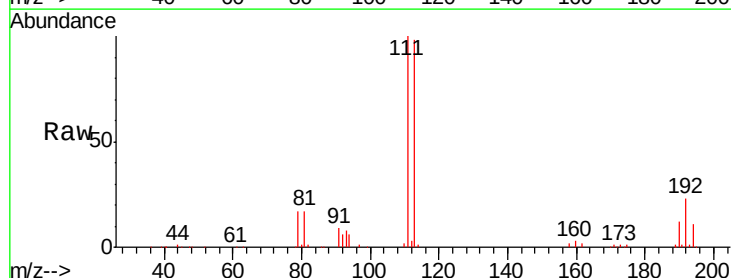
RT: 5.50 min Scan# 713

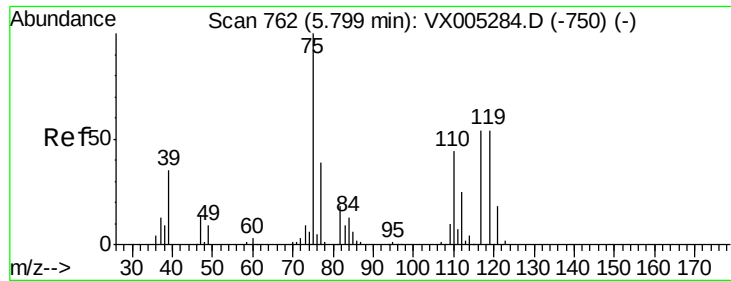
Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	113	Resp:	117698
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.4	123.6
192	24.1	19.4	29.2





#36

1,1-Dichloropropene

Concen: 0.36 ug/l

RT: 5.81 min Scan# 763

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

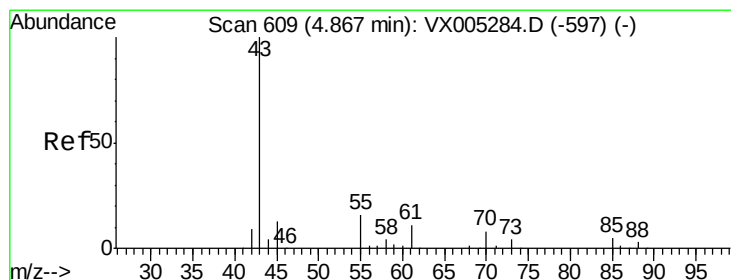
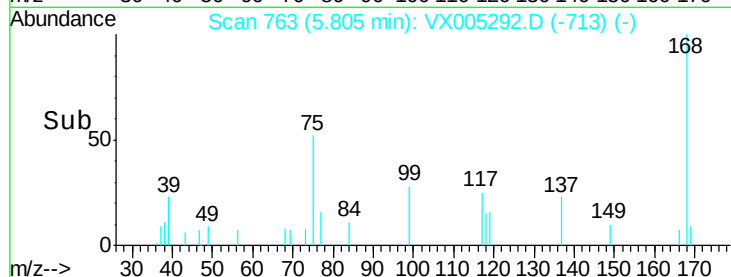
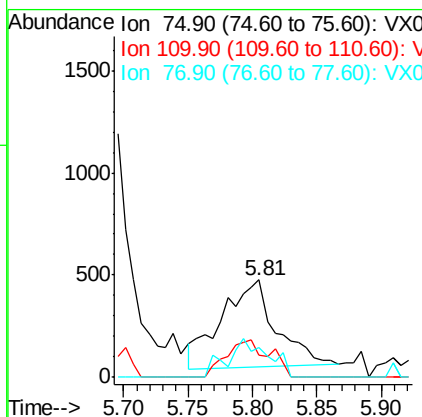
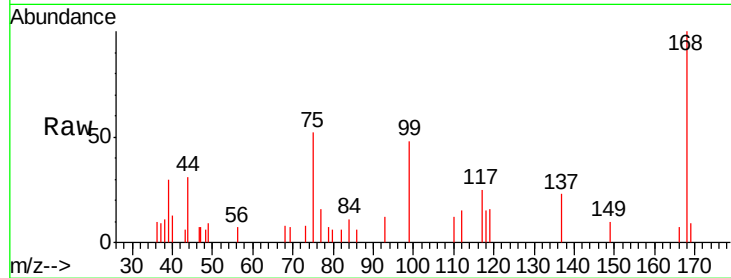
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	75	Resp:	1262
Ion	Ratio	Lower	Upper
75	100		
110	34.3	18.0	54.0
77	33.1	24.6	36.8

Manual Integrations
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#37

Ethyl Acetate

Concen: 0.28 ug/l

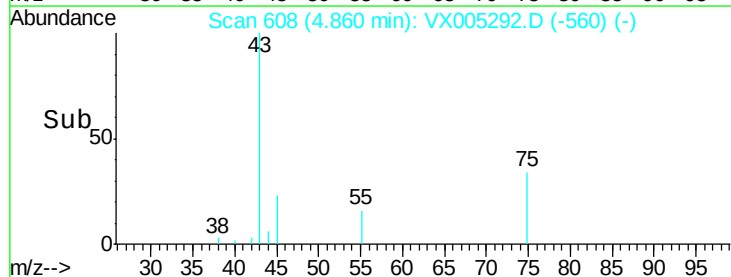
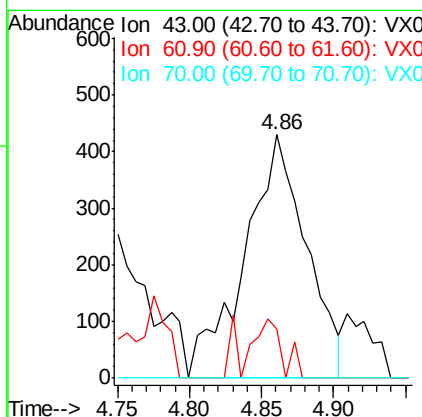
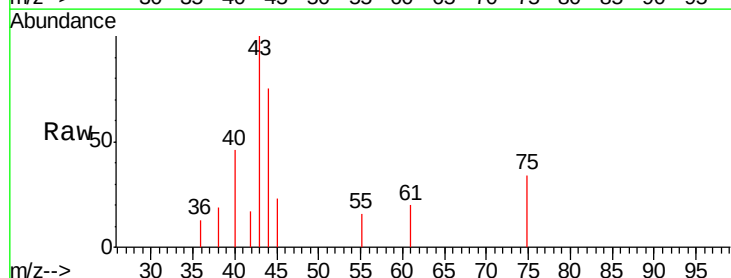
RT: 4.86 min Scan# 608

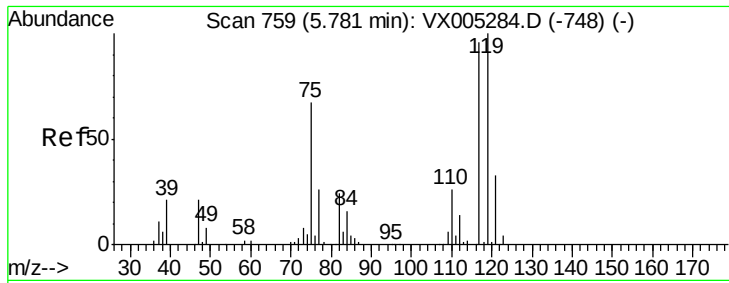
Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	43	Resp:	1271
Ion	Ratio	Lower	Upper
43	100		
61	11.2	11.5	17.3#
70	0.0	9.0	13.6#





#38

Carbon Tetrachloride

Concen: 0.32 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005292.D

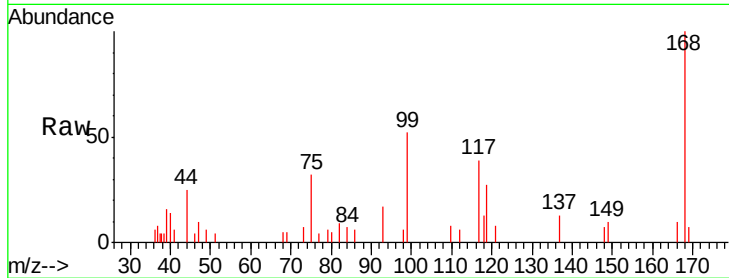
Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

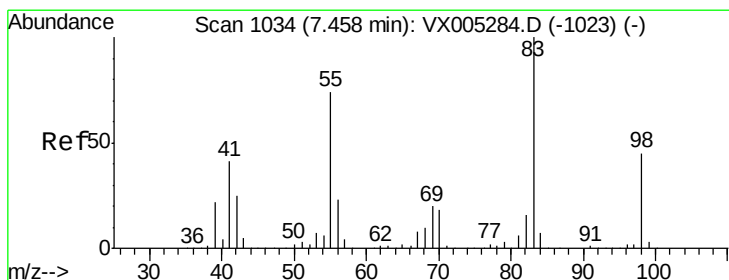
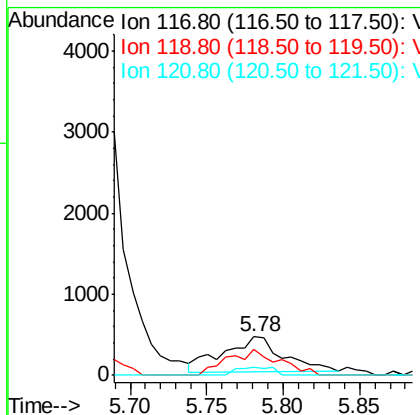
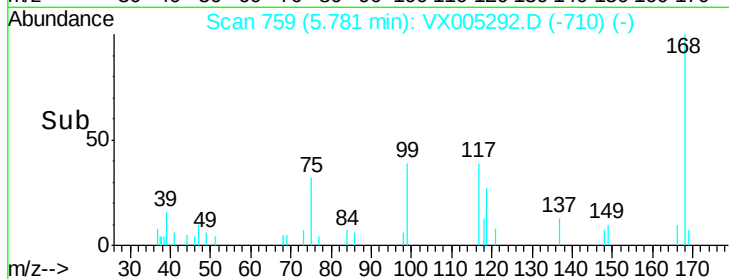
LOD-MDL-WATER-01-QT4-2018



Tgt Ion:	117	Resp:	1156
Ion	Ratio	Lower	Upper
117	100		
119	78.0	78.8	118.2#
121	22.9	24.9	37.3#

Manual Integrations
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#39

Methylcyclohexane

Concen: 0.30 ug/l

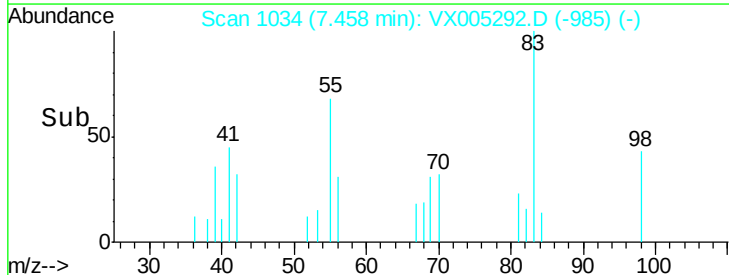
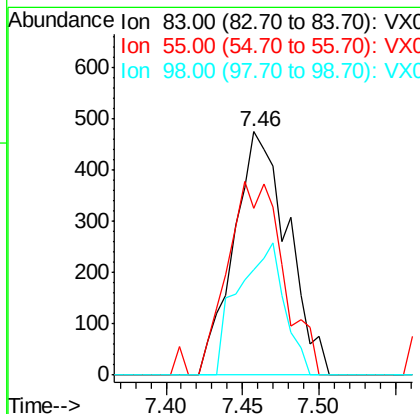
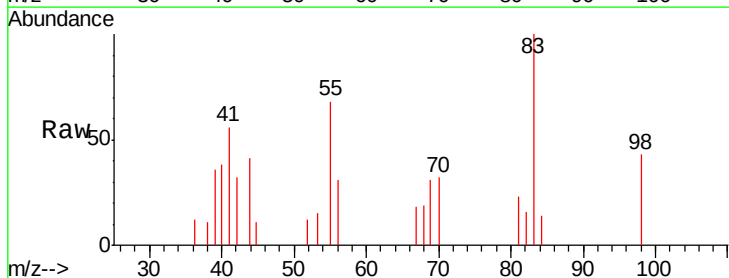
RT: 7.46 min Scan# 1034

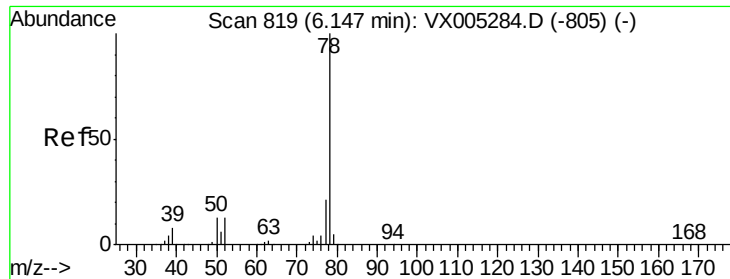
Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	83	Resp:	1165
Ion	Ratio	Lower	Upper
83	100		
55	68.4	61.0	91.4
98	43.2	39.6	59.4





#40

Benzene

Concen: 0.22 ug/l

RT: 6.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 78 Resp: 2317

Ion Ratio Lower Upper

78 100

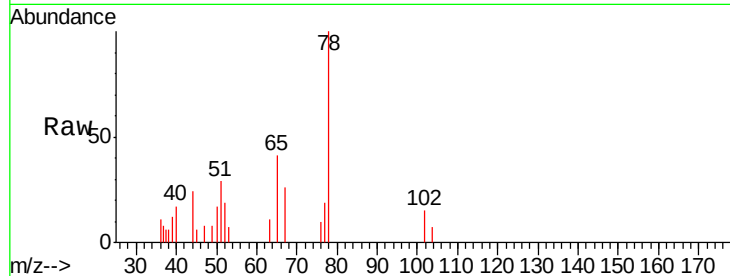
77 19.4 19.0 28.4

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

800

600

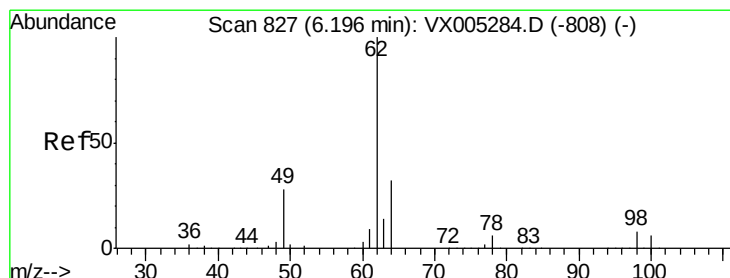
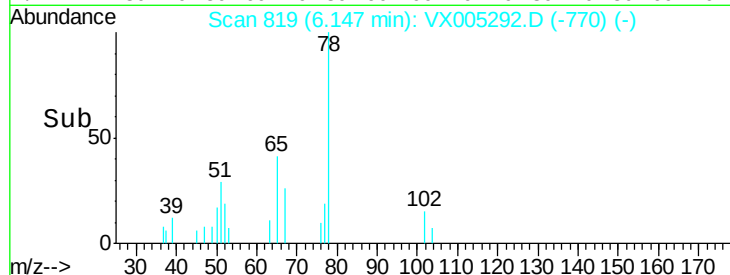
400

200

0

6.05 6.10 6.15 6.20

Time-->



#42

1,2-Dichloroethane

Concen: 0.22 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX005292.D

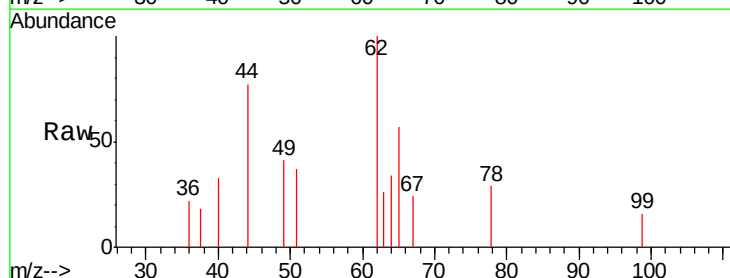
Acq: 12 Oct 2018 14:45

Tgt Ion: 62 Resp: 838

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.19

300

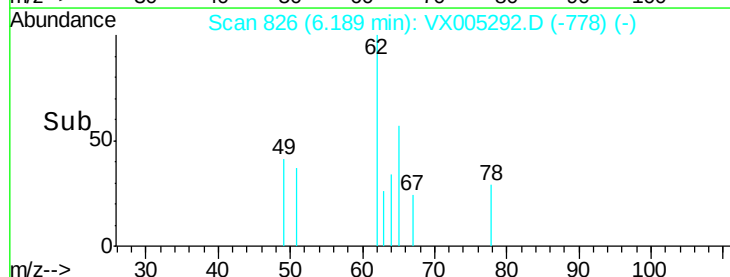
200

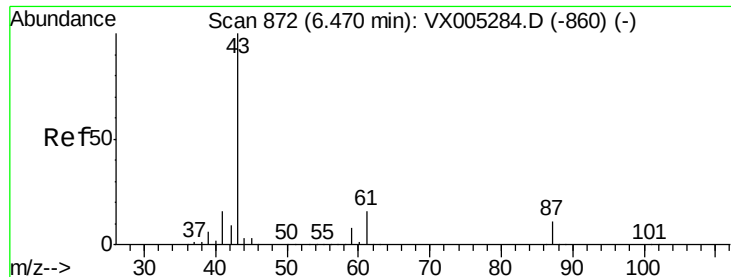
100

0

6.15 6.20 6.25

Time-->





#43

Isopropyl Acetate

Concen: 0.28 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

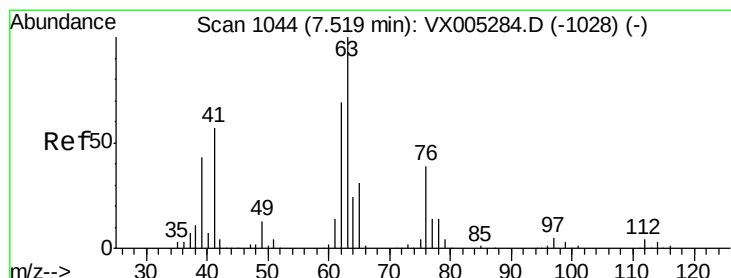
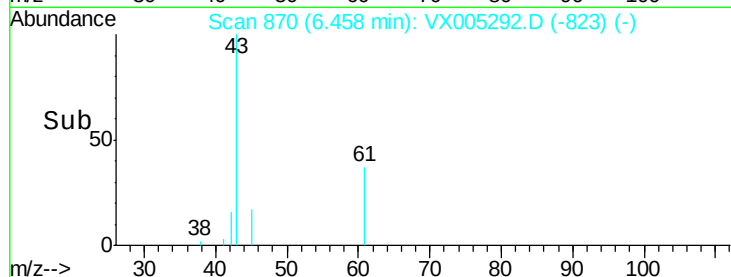
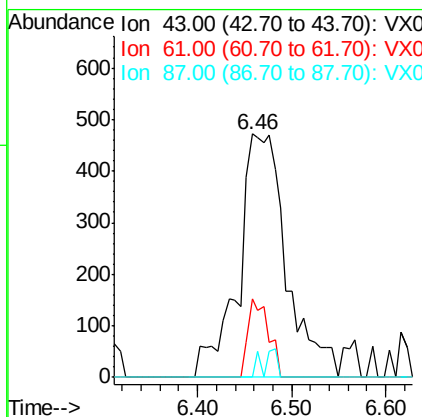
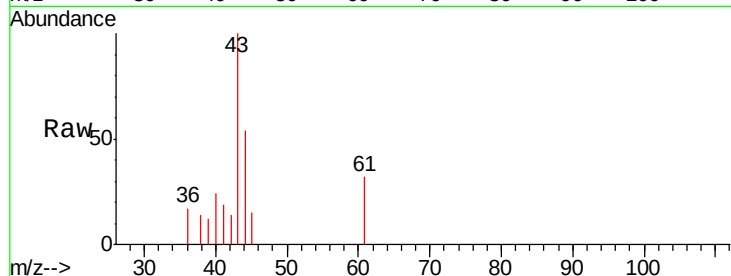
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	43	Resp:	1689
Ion	Ratio	Lower	Upper
43	100		
61	13.6	17.0	25.4#
87	0.0	11.4	17.2#

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#45

1,2-Dichloropropane

Concen: 0.25 ug/l

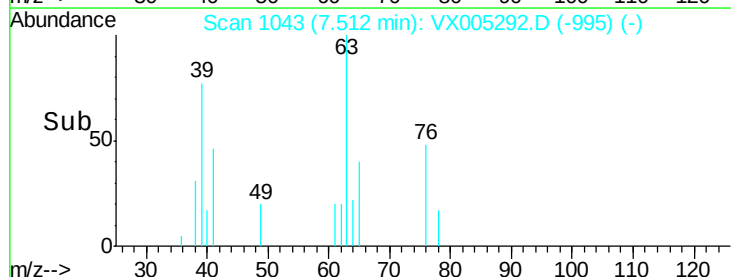
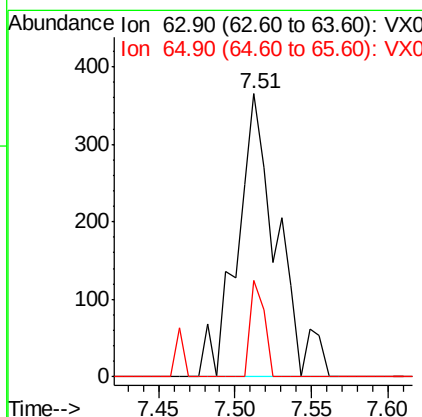
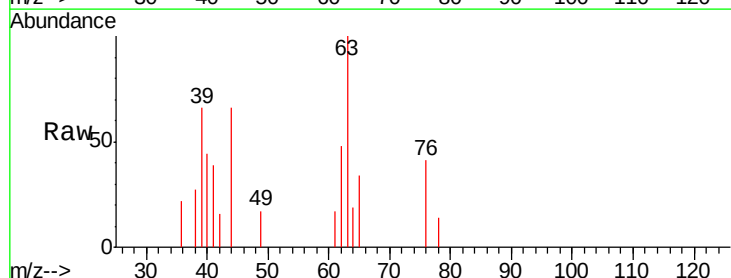
RT: 7.51 min Scan# 1043

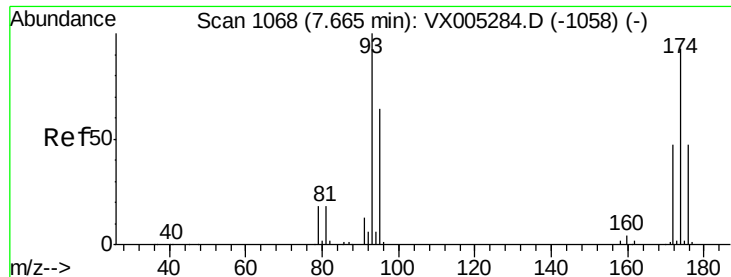
Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	63	Resp:	658
Ion	Ratio	Lower	Upper
63	100		
65	34.2	24.3	36.5





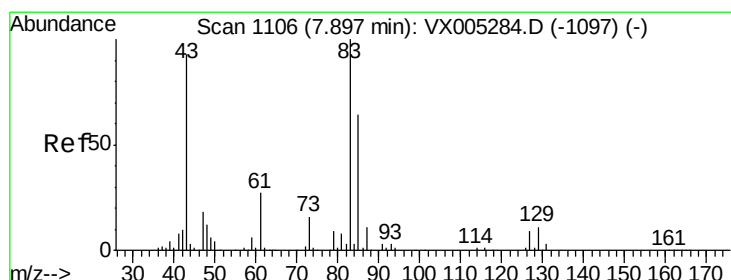
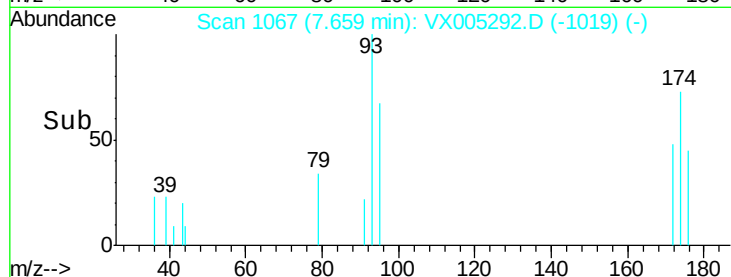
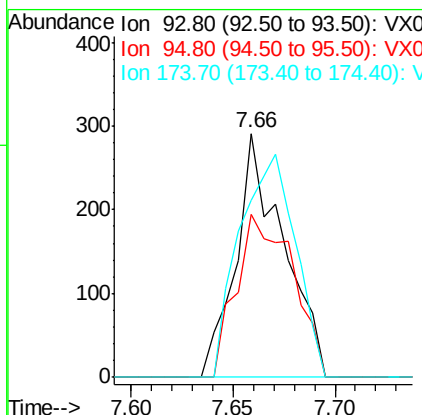
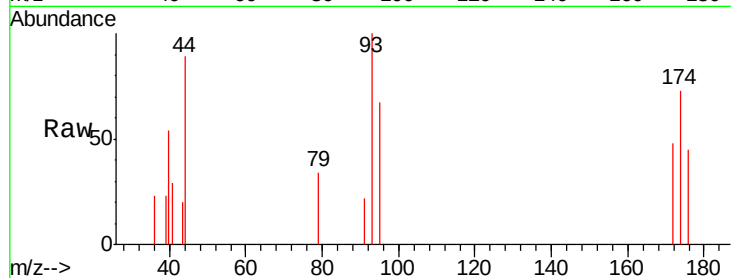
#46
Dibromomethane
Concen: 0.27 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 93 Resp: 472
Ion Ratio Lower Upper
93 100
95 79.2 65.5 98.3
174 107.8 94.2 141.4

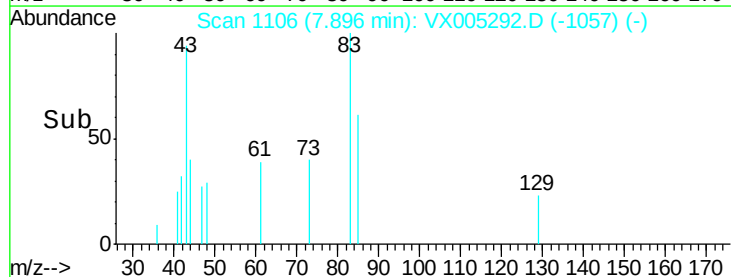
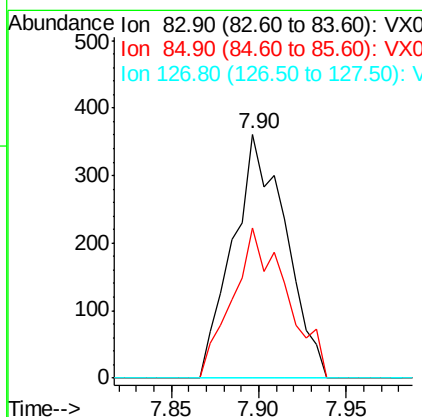
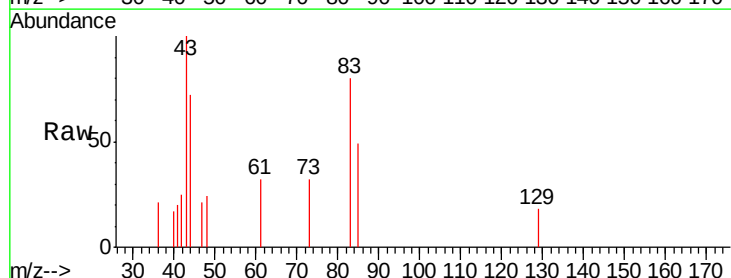
Manual Integrations
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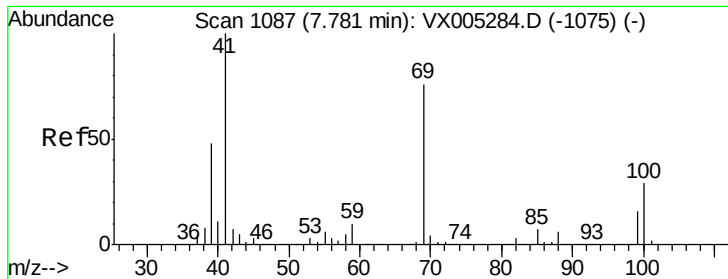
MMDadoda
10/17/2018 9:04:54 AM



#47
Bromodichloromethane
Concen: 0.24 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 83 Resp: 758
Ion Ratio Lower Upper
83 100
85 61.5 50.9 76.3
127 0.0 7.3 10.9#





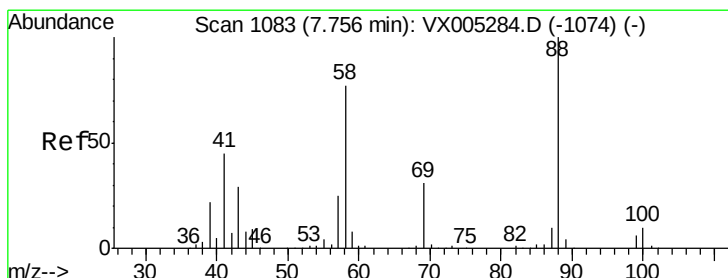
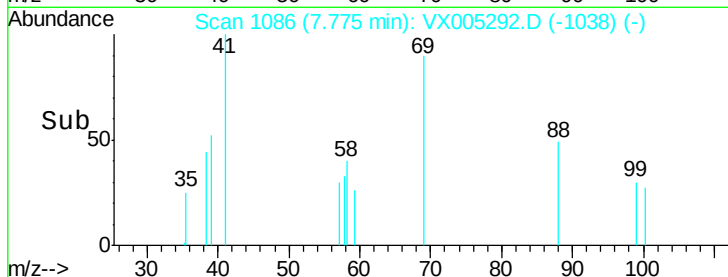
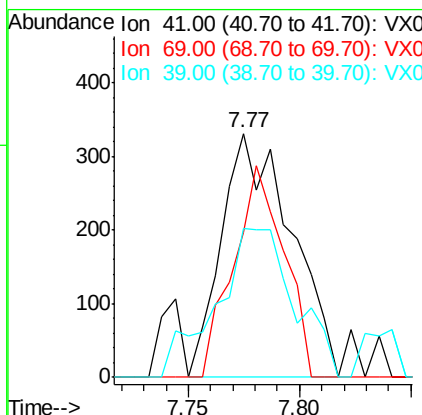
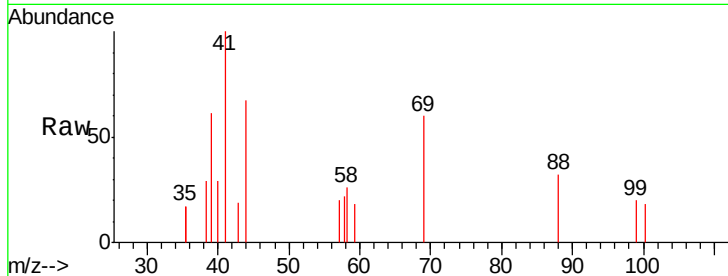
#48
Methyl methacrylate
Concen: 0.23 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 41 Resp: 724
Ion Ratio Lower Upper
41 100
69 62.3 70.2 105.4#
39 68.6 42.7 64.1#

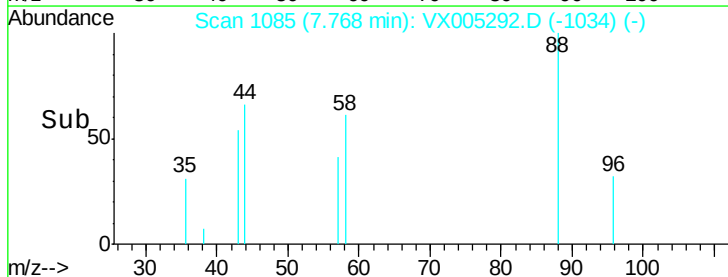
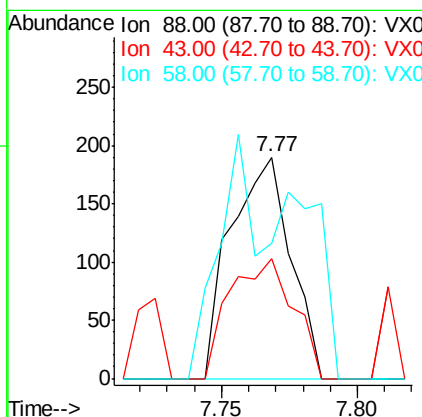
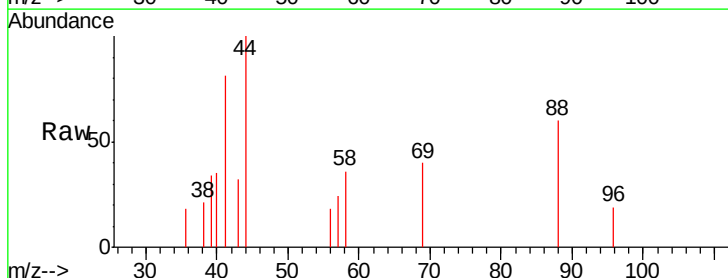
Manual Integrations
APPROVED

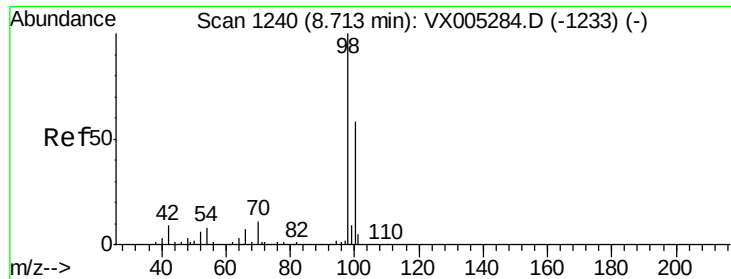
MMDadoda
10/17/2018 9:04:54 AM



#49
1,4-Dioxane
Concen: 3.98 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 88 Resp: 290
Ion Ratio Lower Upper
88 100
43 57.6 24.7 37.1#
58 57.6 55.3 82.9





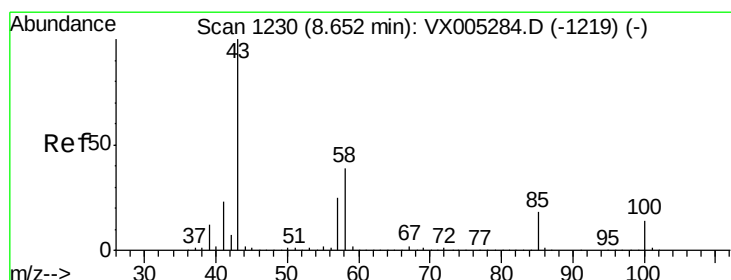
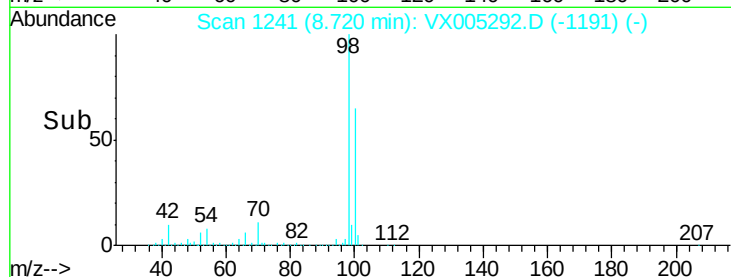
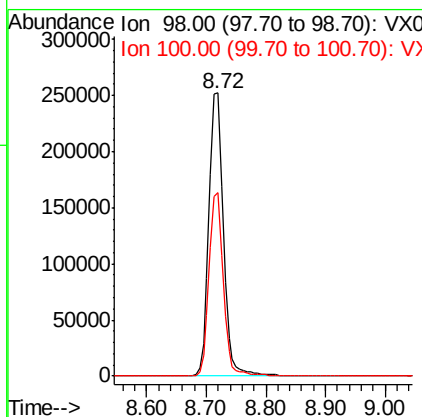
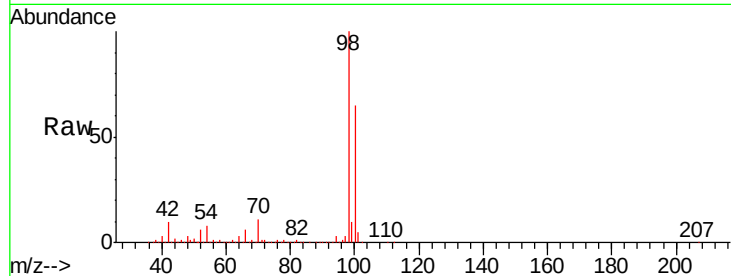
#50
Toluene-d8
Concen: 50.66 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 98 Resp: 422525
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3

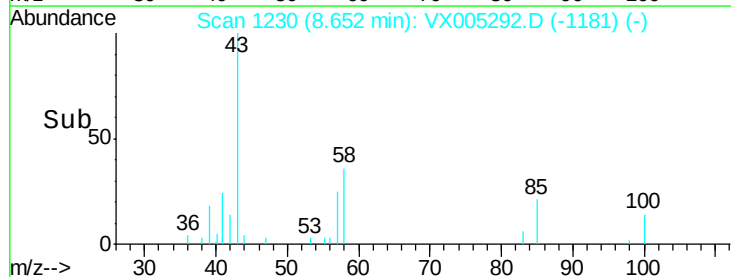
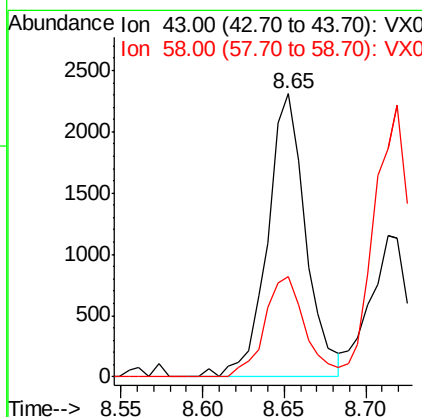
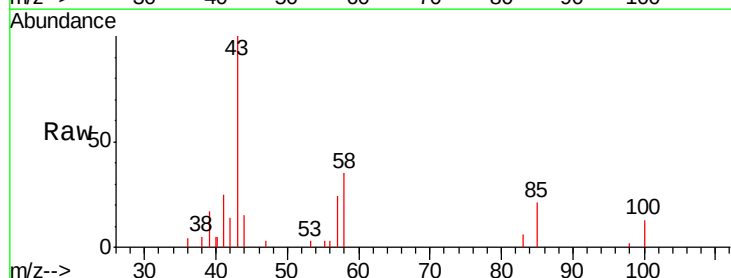
Manual Integrations
APPROVED

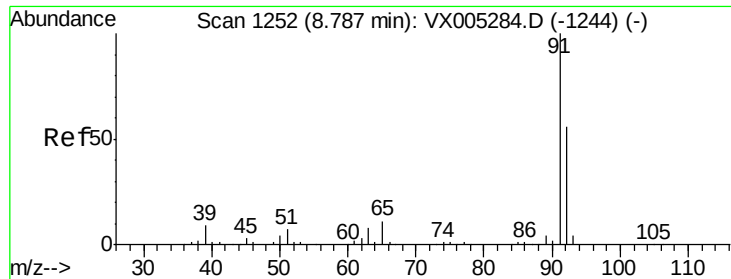
MMDadoda
10/17/2018 9:04:54 AM



#51
4-Methyl-2-Pentanone
Concen: 0.89 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 43 Resp: 3734
Ion Ratio Lower Upper
43 100
58 37.5 33.1 49.7





#52

Toluene

Concen: 0.24 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 92 Resp: 1420

Ion Ratio Lower Upper

92 100

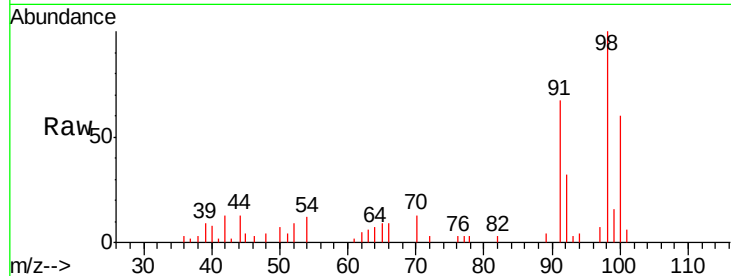
91 185.8 136.4 204.6

Manual Integrations

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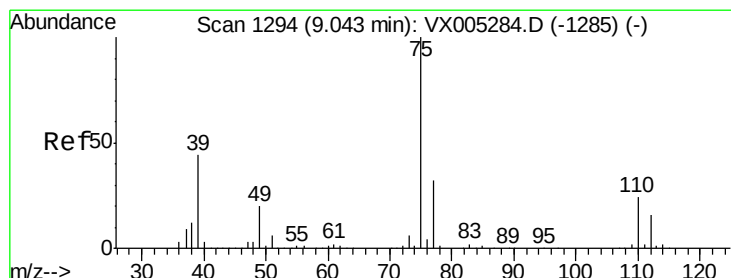
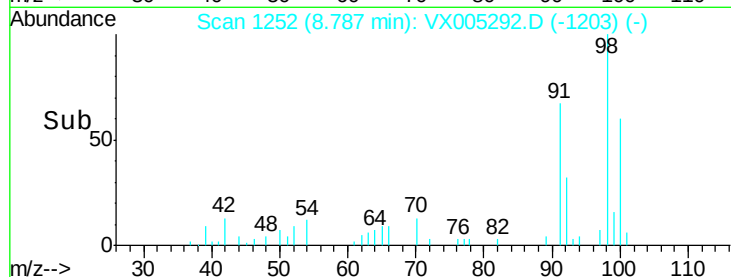
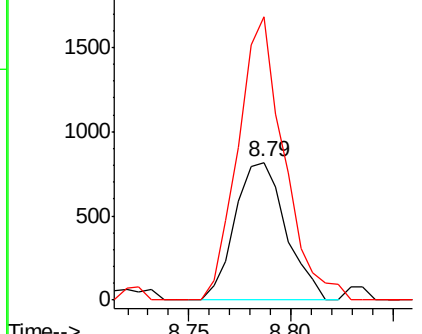
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.23 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005292.D

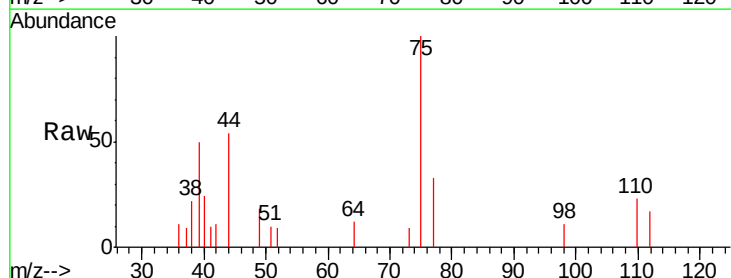
Acq: 12 Oct 2018 14:45

Tgt Ion: 75 Resp: 807

Ion Ratio Lower Upper

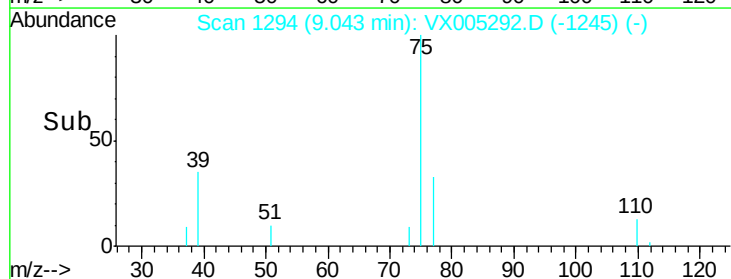
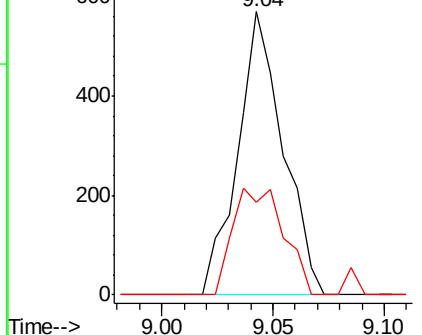
75 100

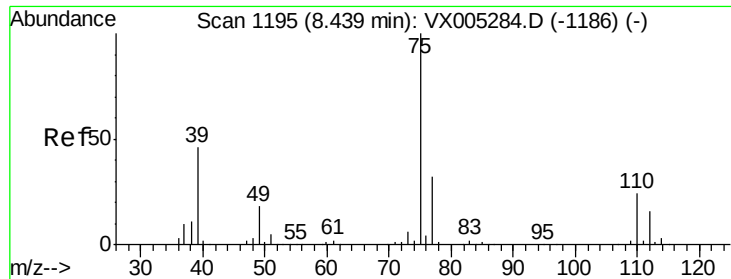
77 32.9 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

cis-1,3-Dichloropropene

Concen: 0.23 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

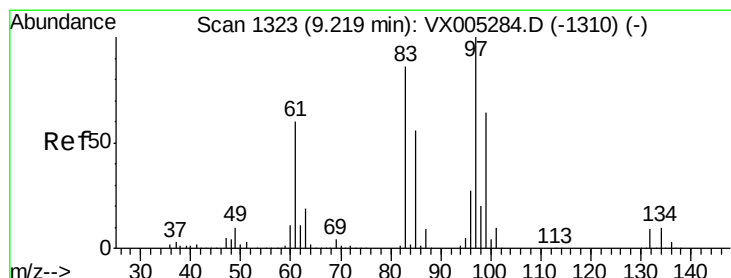
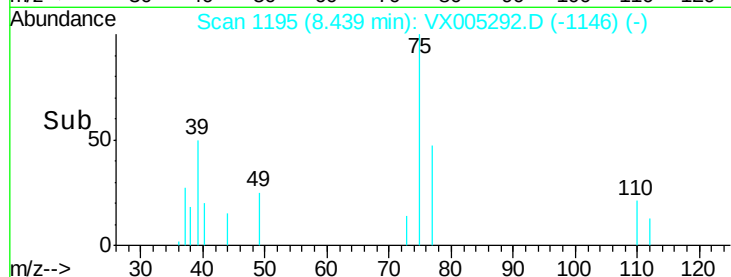
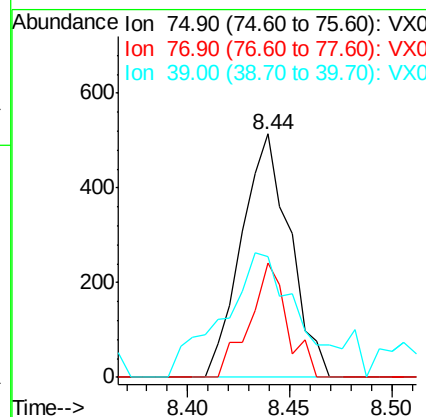
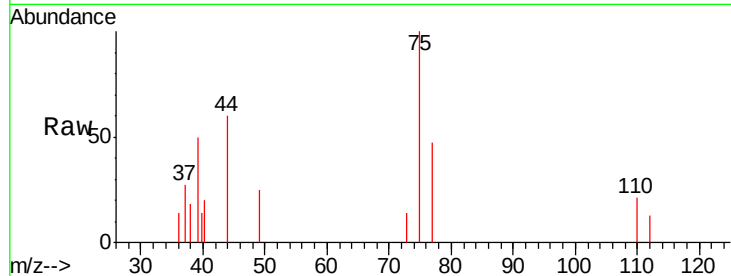
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	75	Resp:	847
Ion	Ratio	Lower	Upper
75	100		
77	47.1	26.2	39.2#
39	37.9	36.4	54.6

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#55

1,1,2-Trichloroethane

Concen: 0.24 ug/l

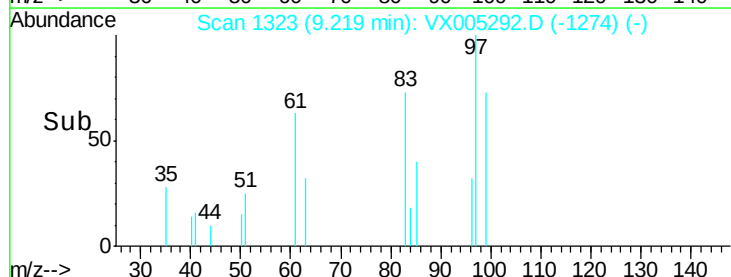
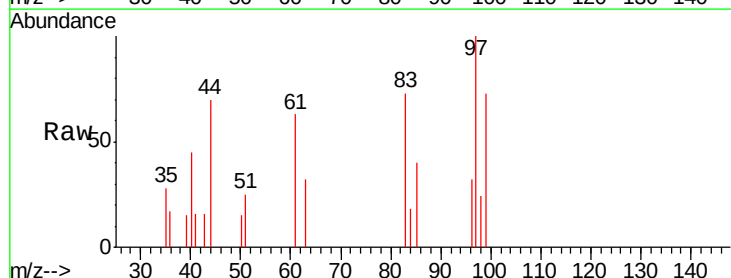
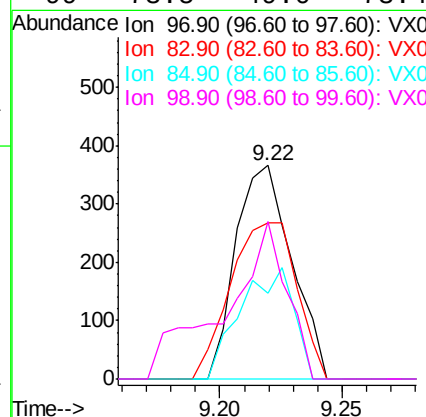
RT: 9.22 min Scan# 1323

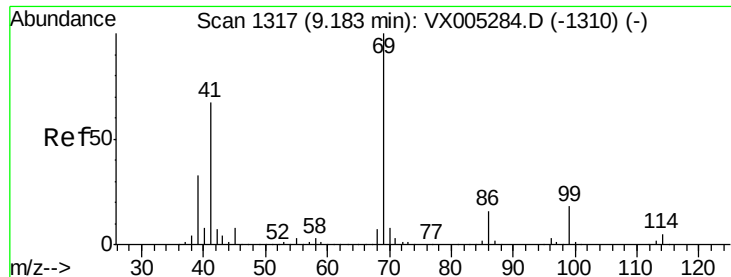
Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	97	Resp:	581
Ion	Ratio	Lower	Upper
97	100		
83	73.0	66.4	99.6
85	40.4	43.3	64.9#
99	73.5	49.0	73.4#





#56

Ethyl methacrylate

Concen: 0.22 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

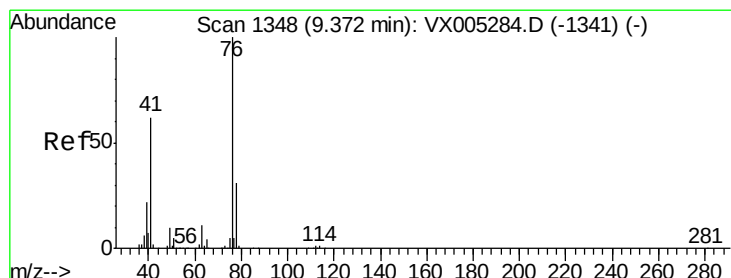
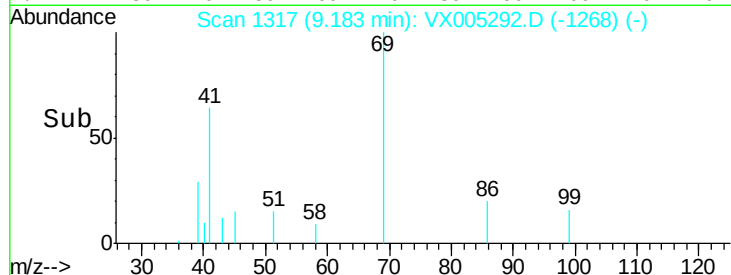
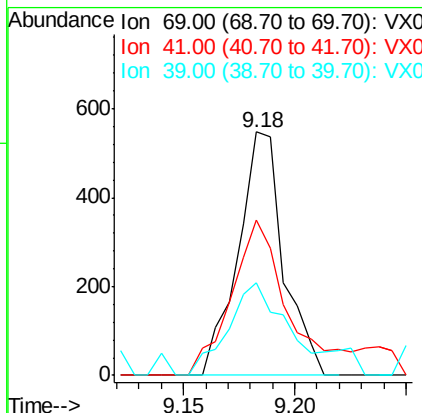
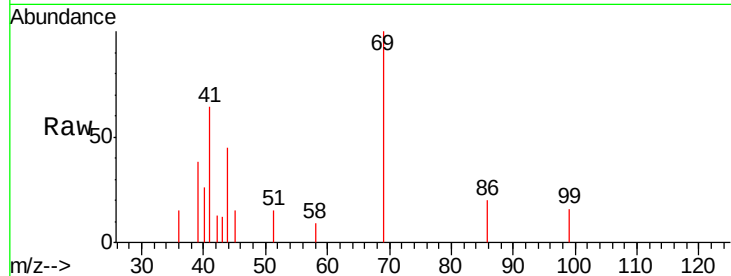
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	69.00	Resp:	780
Ion Ratio	Lower	Upper	
69	100		
41	80.1	51.0	76.4#
39	55.6	26.1	39.1#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.23 ug/l

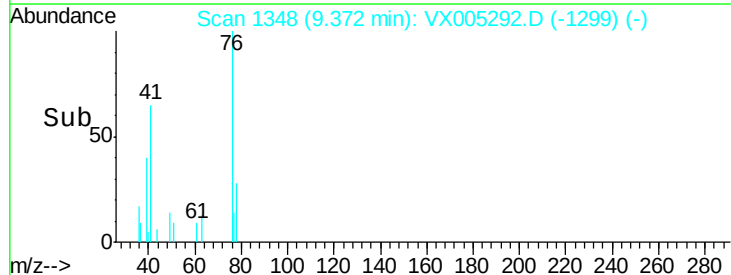
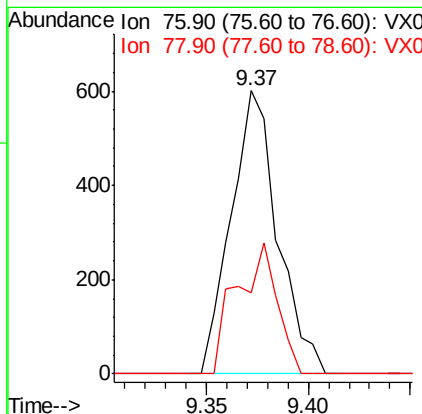
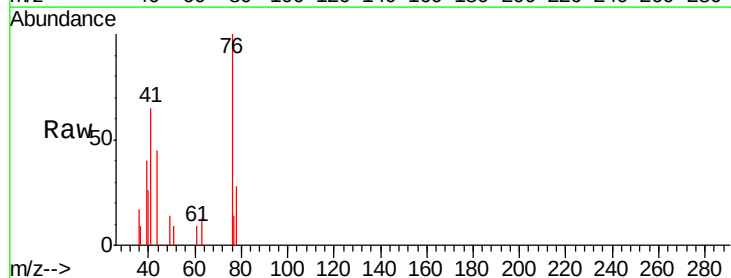
RT: 9.37 min Scan# 1348

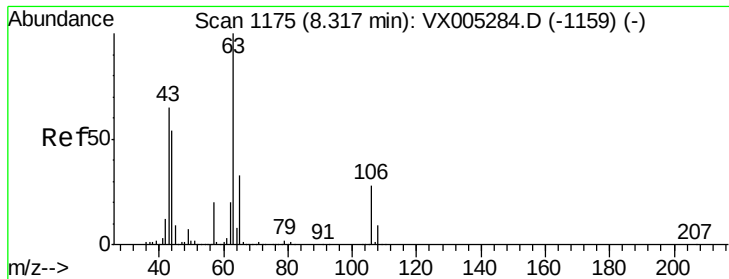
Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	76	Resp:	953
Ion Ratio	Lower	Upper	
76	100		
78	40.5	25.5	38.3#





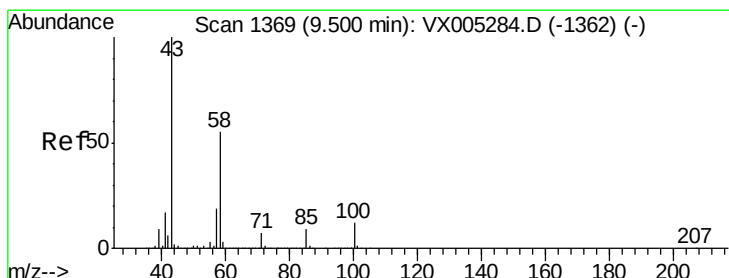
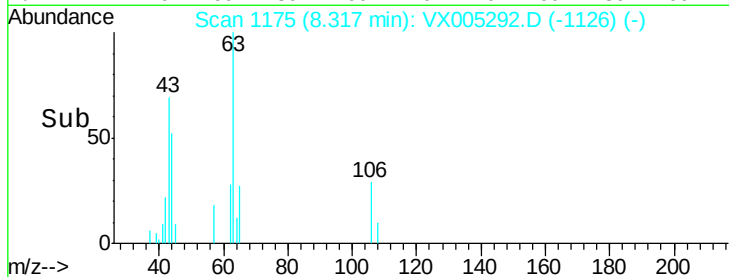
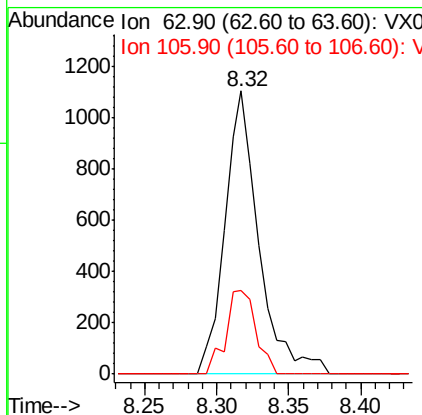
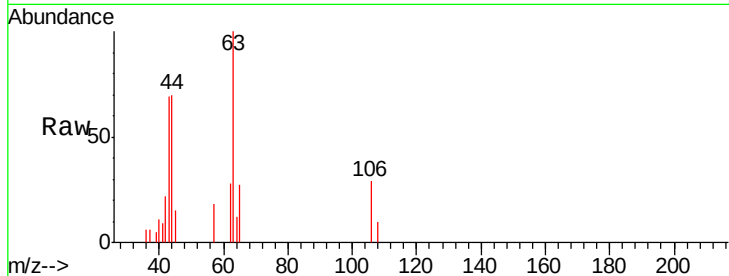
#58
2-Chloroethyl Vinyl ether
Concen: 0.90 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 63 Resp: 1823
Ion Ratio Lower Upper
63 100
106 26.4 23.9 35.9

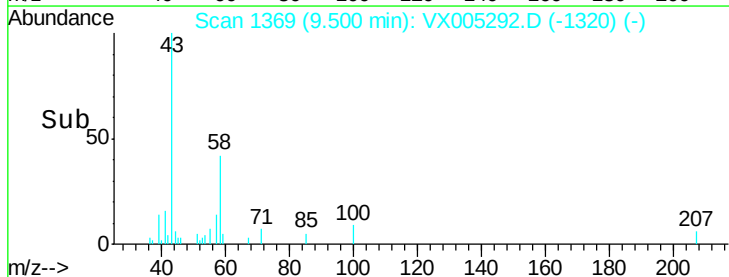
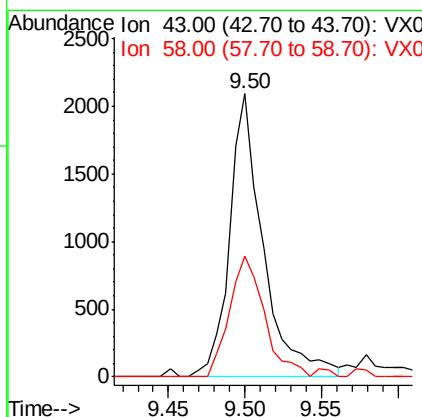
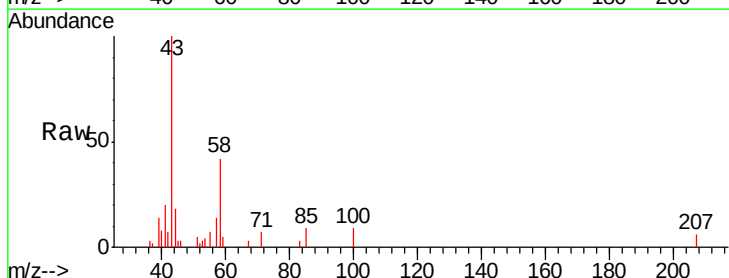
Manual Integrations
APPROVED

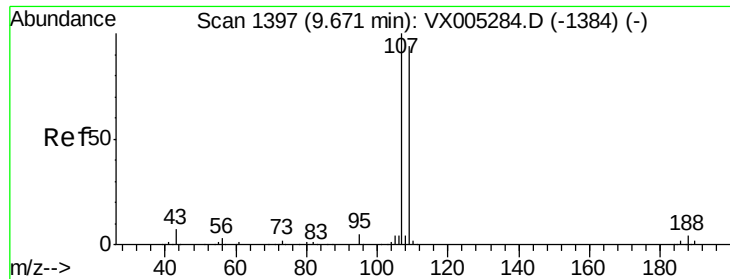
MMDadoda
10/17/2018 9:04:54 AM



#59
2-Hexanone
Concen: 0.95 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion: 43 Resp: 3209
Ion Ratio Lower Upper
43 100
58 43.8 29.0 87.0





#61

1,2-Dibromoethane

Concen: 0.26 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 107 Resp: 683

Ion Ratio Lower Upper

107 100

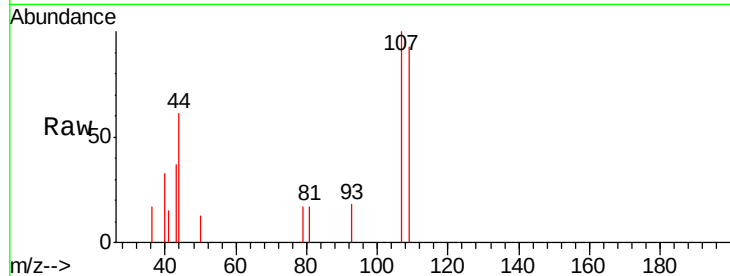
109 80.8 76.0 114.0

Manual Integrations

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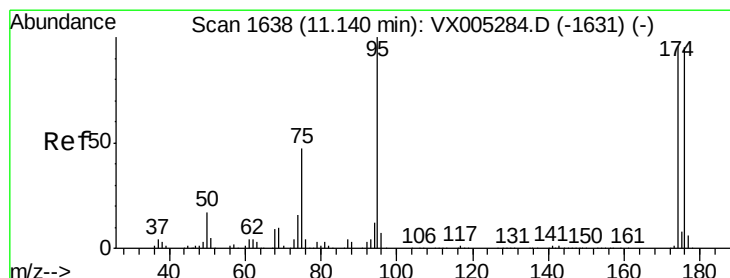
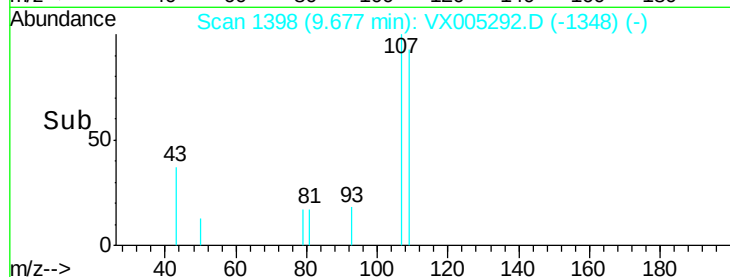
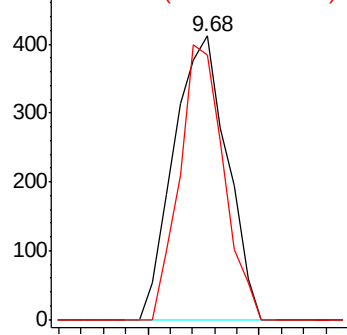
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.73 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

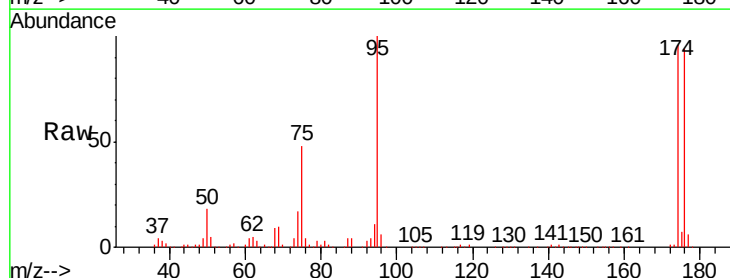
Tgt Ion: 95 Resp: 146415

Ion Ratio Lower Upper

95 100

174 95.3 0.0 185.2

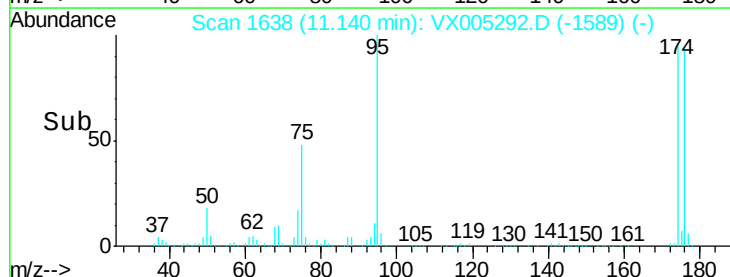
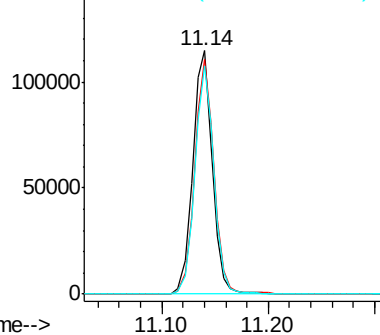
176 91.7 0.0 178.6

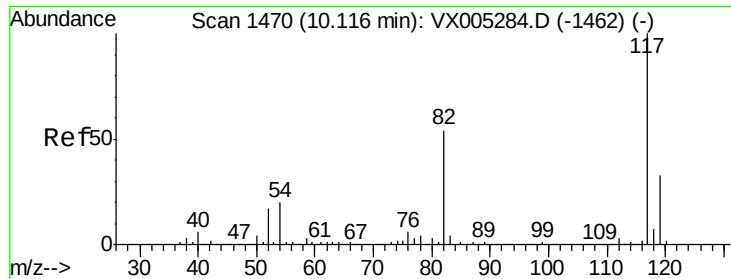


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





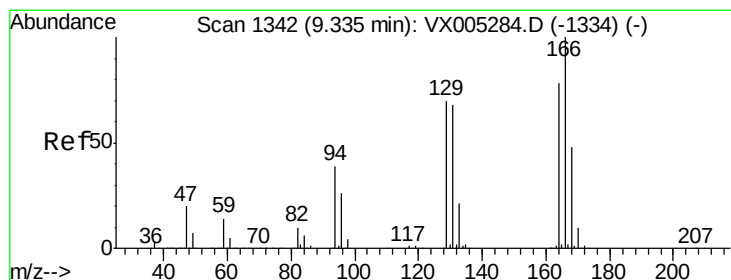
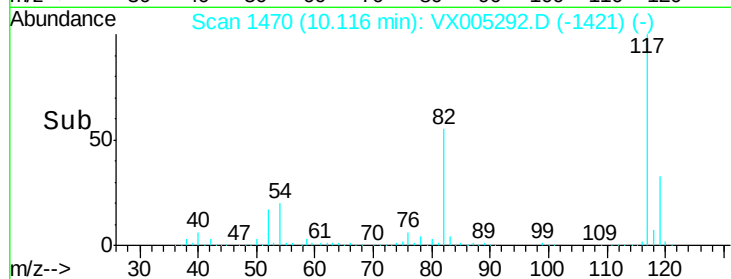
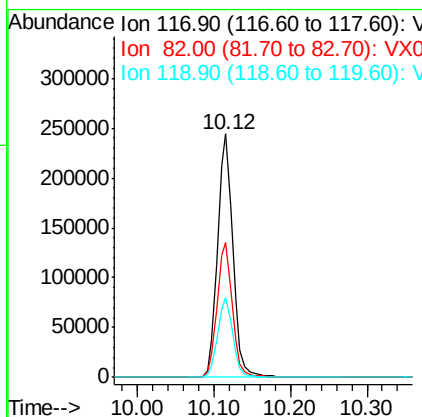
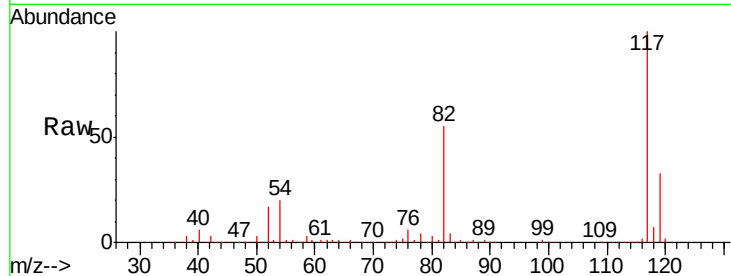
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	338841		
82	55.3	47.8	71.6	
119	32.7	29.3	43.9	

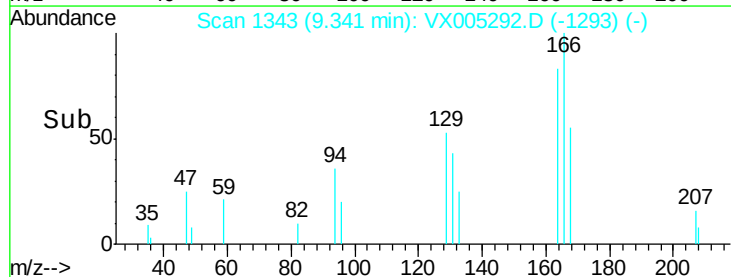
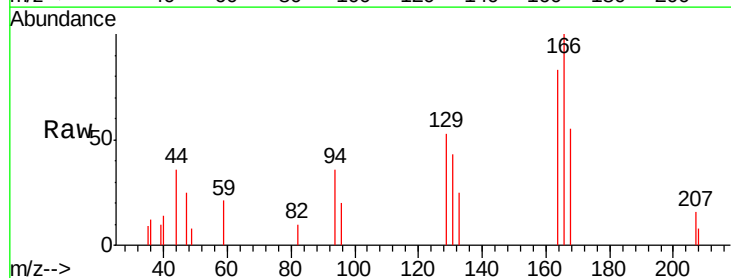
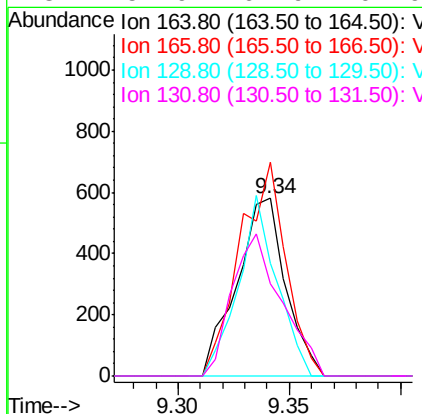
Manual Integrations
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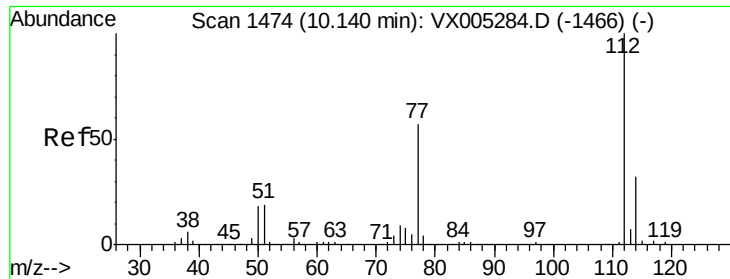
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#64
Tetrachloroethene
Concen: 0.33 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	888		
166	120.3	102.8	154.2	
129	63.8	69.4	104.0#	
131	51.9	67.9	101.9#	





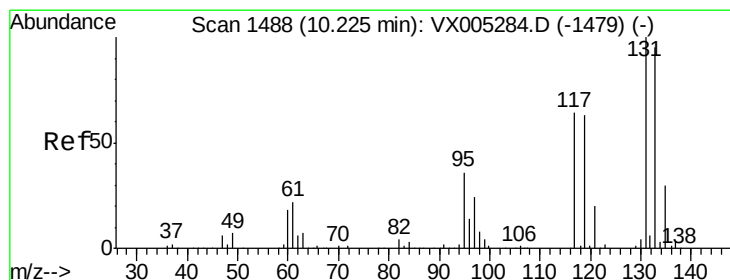
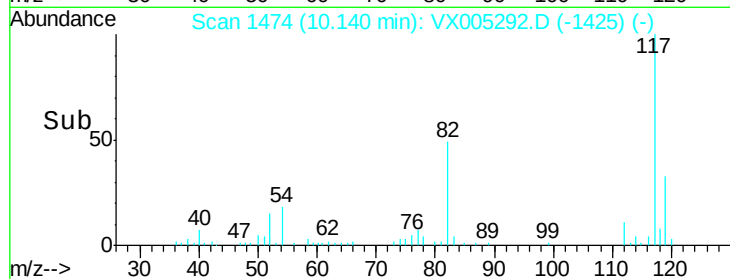
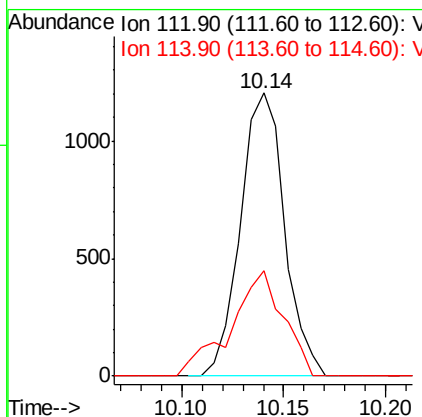
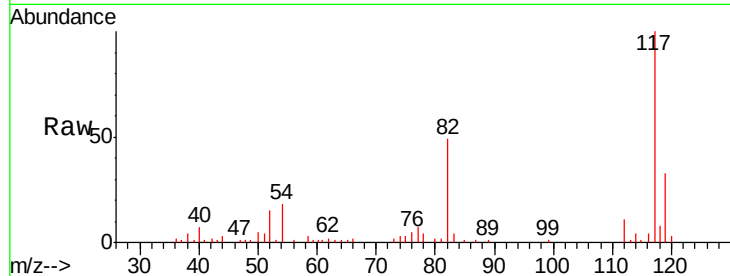
#65
Chlorobenzene
Concen: 0.25 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:112 Resp: 1805
Ion Ratio Lower Upper
112 100
114 37.3 27.8 41.8

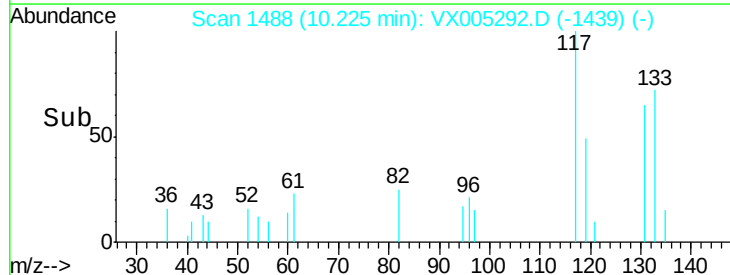
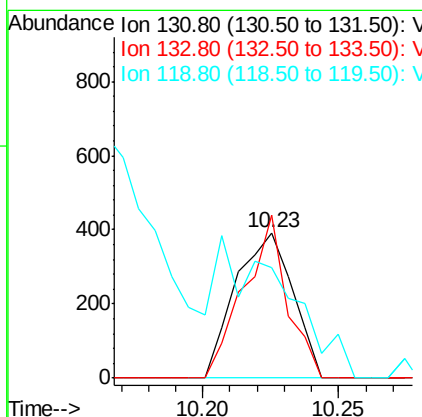
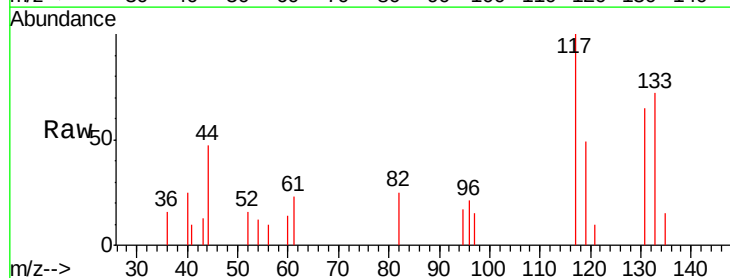
Manual Integrations
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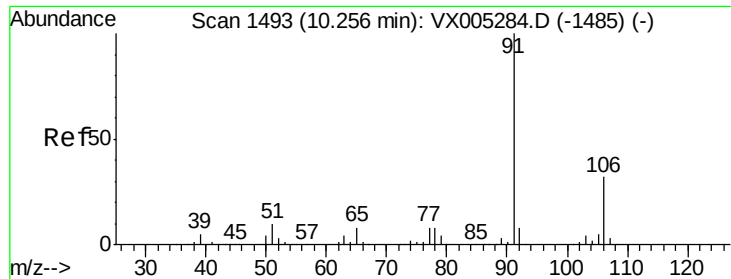
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.22 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion:131 Resp: 572
Ion Ratio Lower Upper
131 100
133 84.3 48.1 144.4
119 0.0 32.9 98.6#





#67

Ethyl Benzene

Concen: 0.22 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 2595

Ion Ratio Lower Upper

91 100

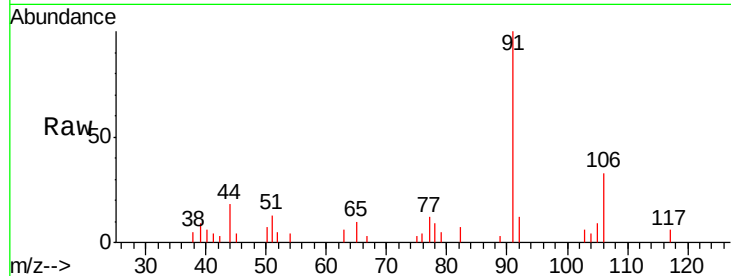
106 32.6 25.9 38.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

2000

1500

1000

500

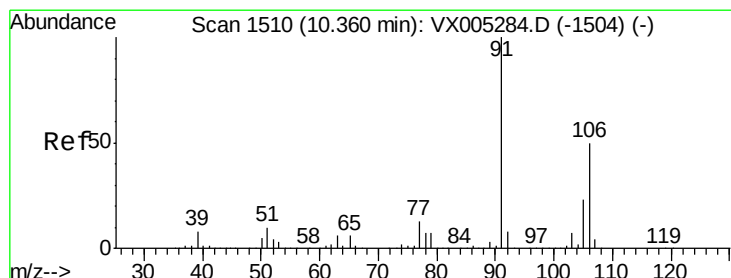
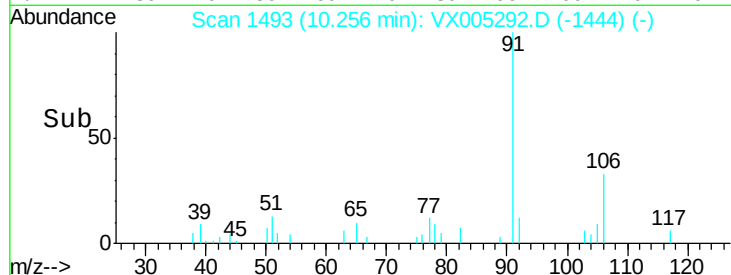
0

10.20

10.25

10.30

Time-->



#68

m/p-Xylenes

Concen: 0.38 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005292.D

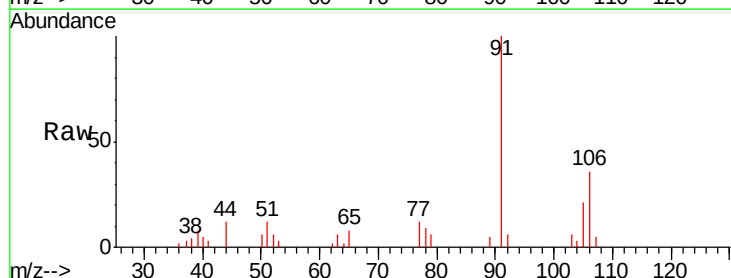
Acq: 12 Oct 2018 14:45

Tgt Ion: 106 Resp: 1715

Ion Ratio Lower Upper

106 100

91 236.7 157.1 235.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

3000

2000

1000

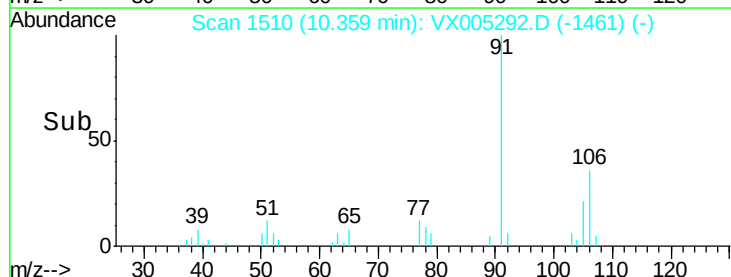
0

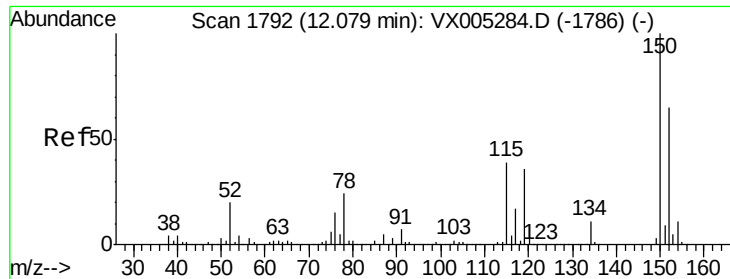
10.30

10.35

10.40

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

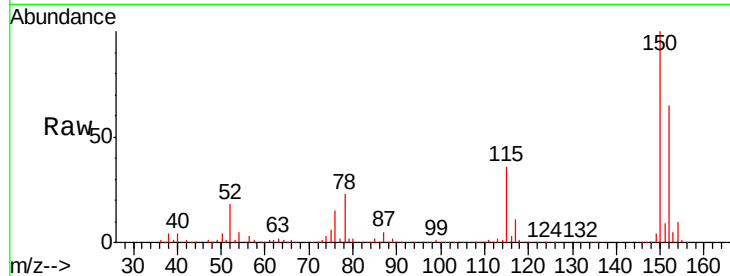
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	152	Resp:	176227
Ion Ratio	Lower	Upper	
152	100		
115	54.5	39.0	117.0
150	155.6	0.0	351.0

Manual Integrations
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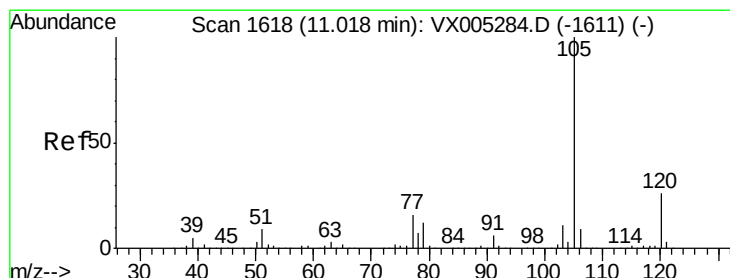
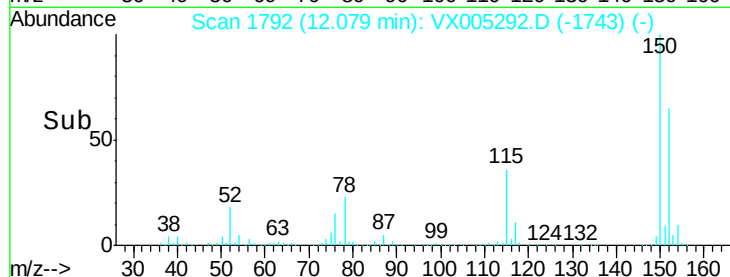
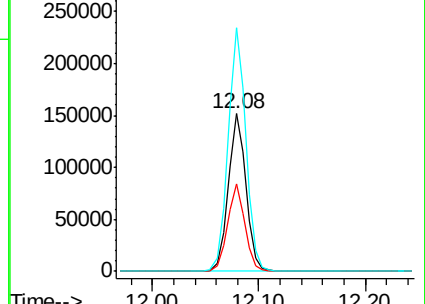
MMDadoda
10/17/2018 9:04:54 AM



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: 0.23 ug/l

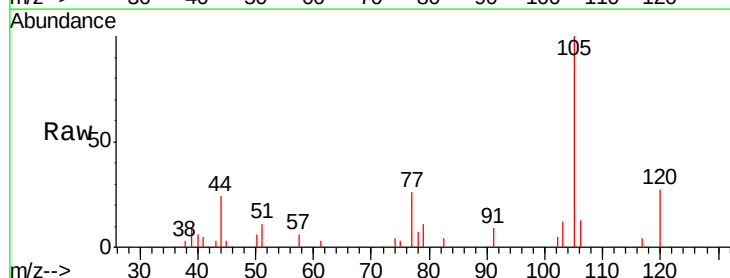
RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005292.D

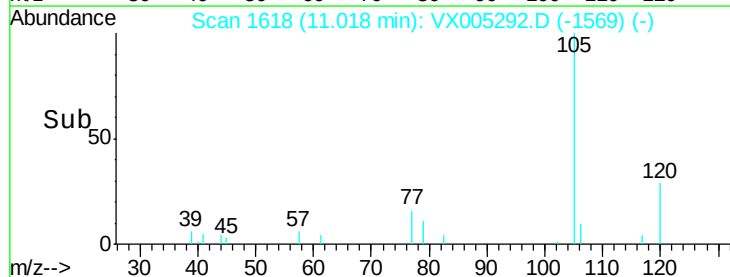
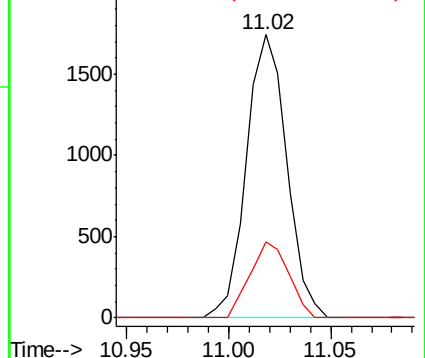
Acq: 12 Oct 2018 14:45

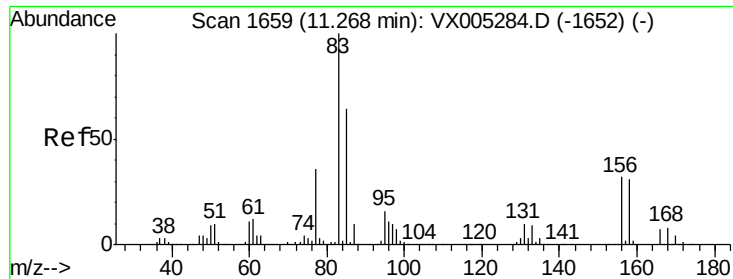
Tgt Ion:	105	Resp:	2393
Ion Ratio	Lower	Upper	
105	100		
120	25.6	13.5	40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





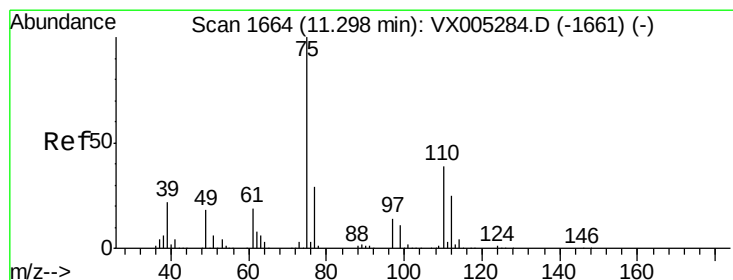
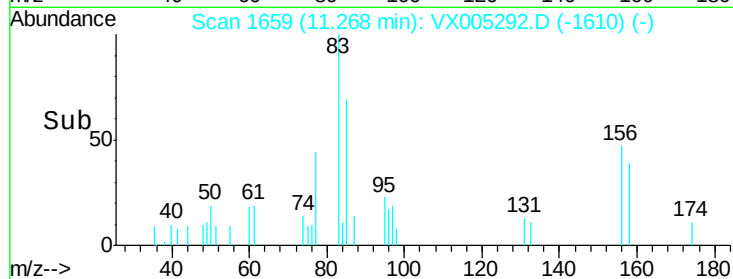
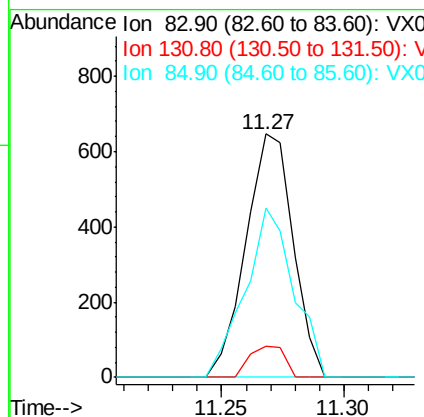
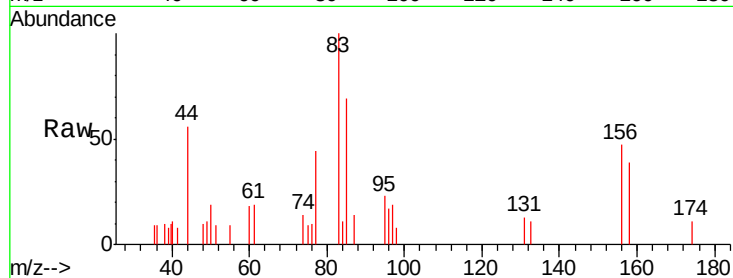
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.22 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.2	15.6
85	71.4	32.3	96.8

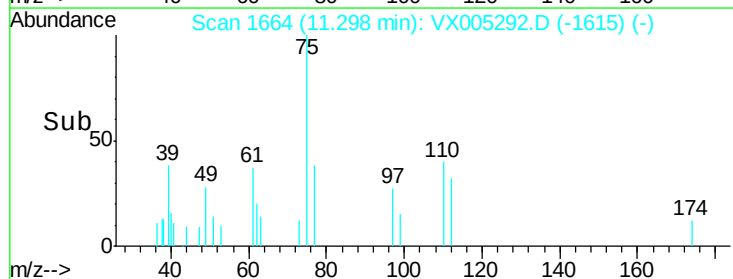
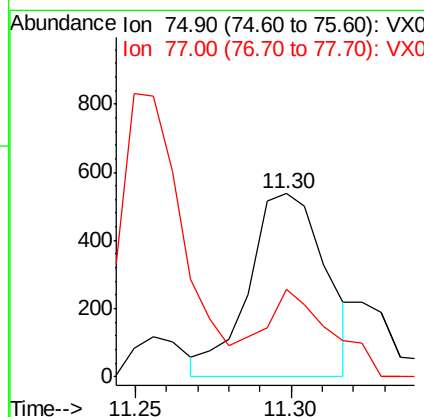
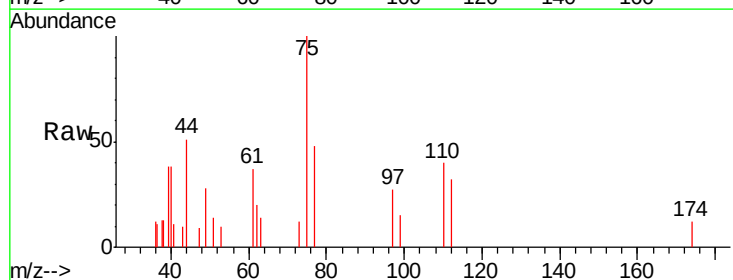
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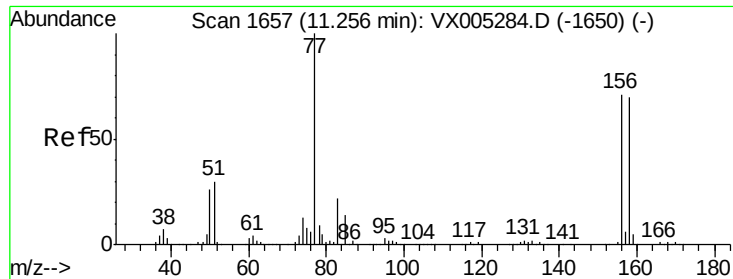
MMDadoda
 10/17/2018 9:04:54 AM



#76
 1,2,3-Trichloropropane
 Concen: 0.27 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	109.7	20.2	60.6





#77

Bromobenzene

Concen: 0.27 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

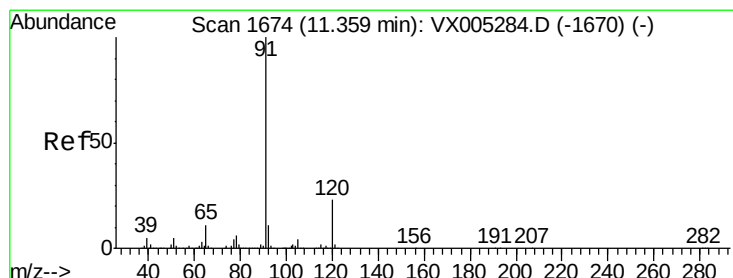
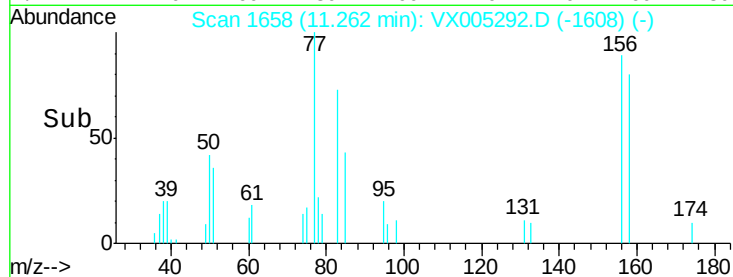
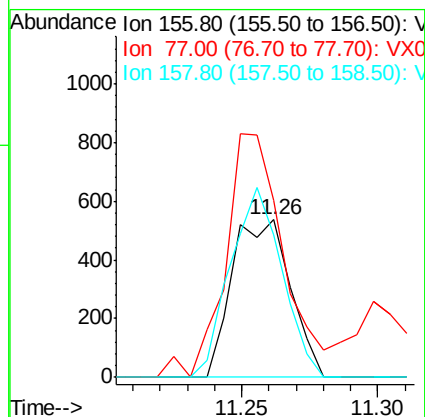
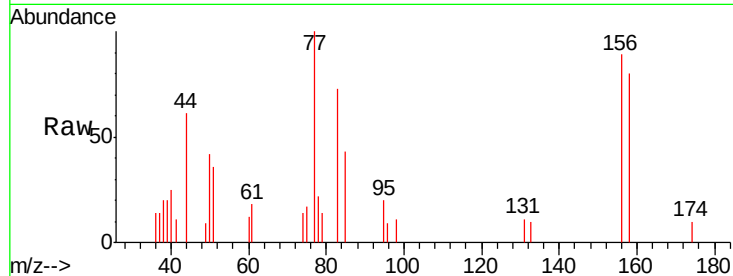
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	156	Resp:	795
Ion	Ratio	Lower	Upper
156	100		
77	153.5	71.5	214.3
158	106.9	48.9	146.8

Manual Integrations
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10/17/2018 9:04:54 AM



#78

n-propylbenzene

Concen: 0.27 ug/l

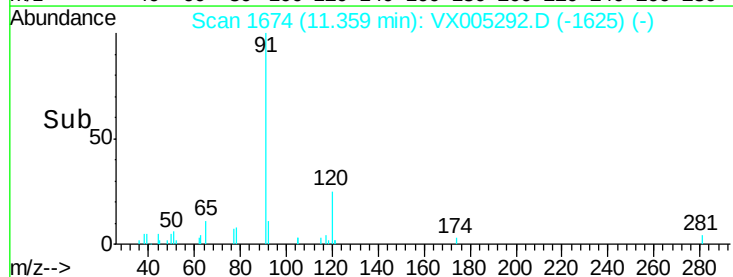
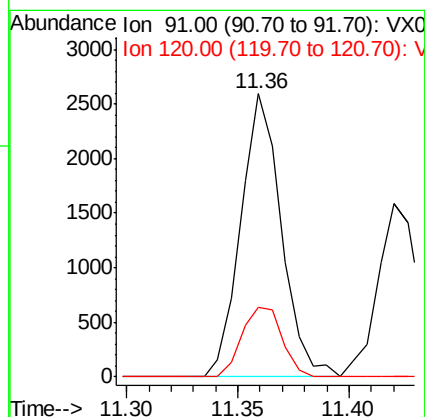
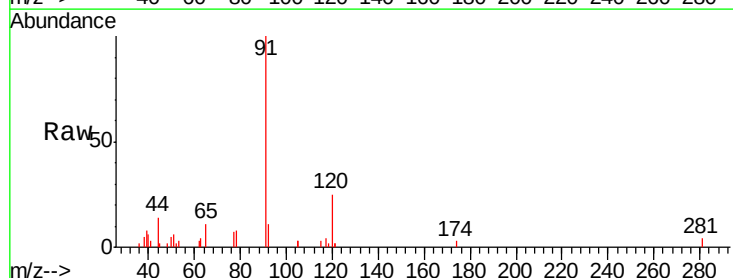
RT: 11.36 min Scan# 1674

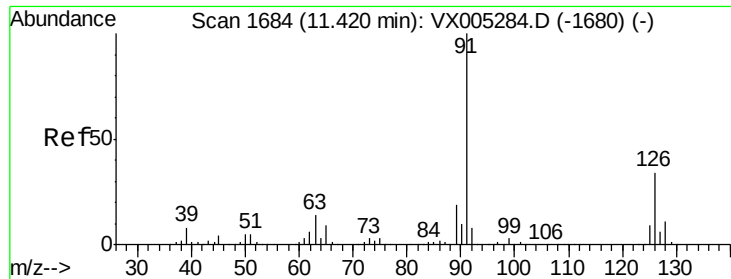
Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	91	Resp:	3290
Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 0.28 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 2064

Ion Ratio Lower Upper

91 100

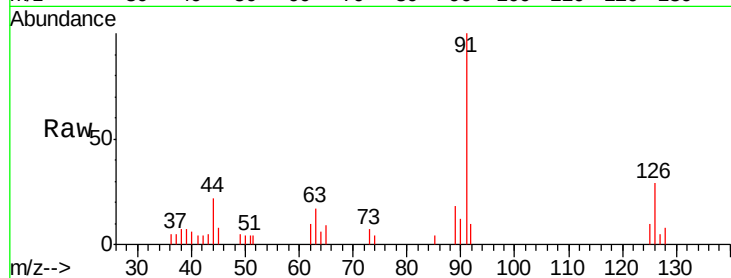
126 32.6 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

2500

2000

1500

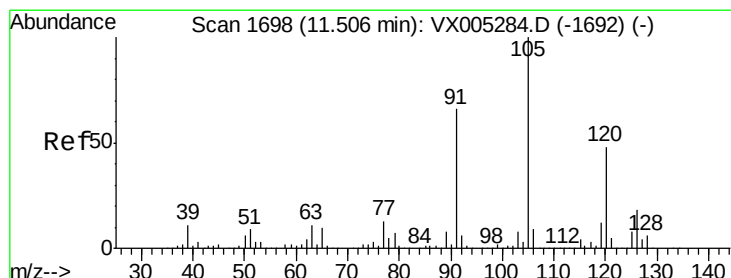
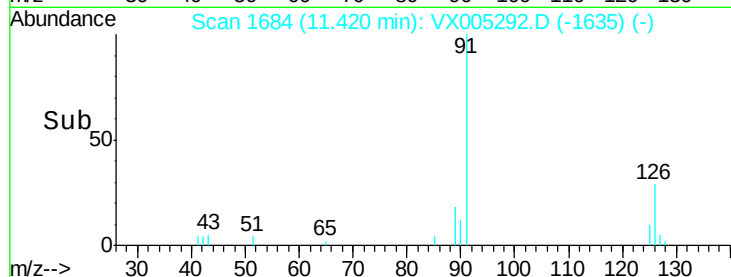
1000

500

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.21 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005292.D

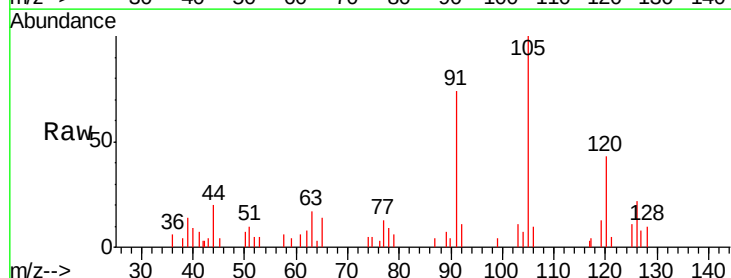
Acq: 12 Oct 2018 14:45

Tgt Ion: 105 Resp: 1905

Ion Ratio Lower Upper

105 100

120 50.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

1500

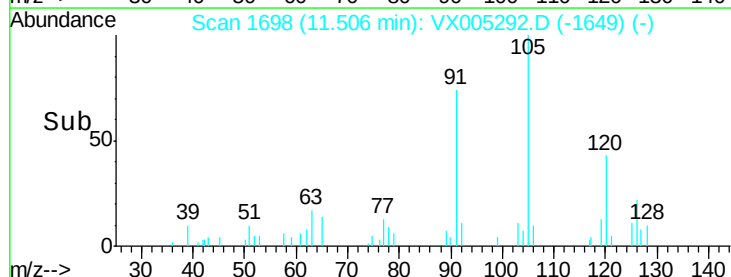
1000

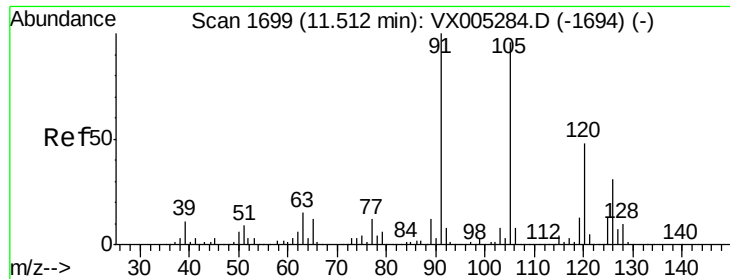
500

0

11.45 11.50 11.55

Time-->





#82

4-Chlorotoluene

Concen: 0.27 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 91 Resp: 2343

Ion Ratio Lower Upper

91 100

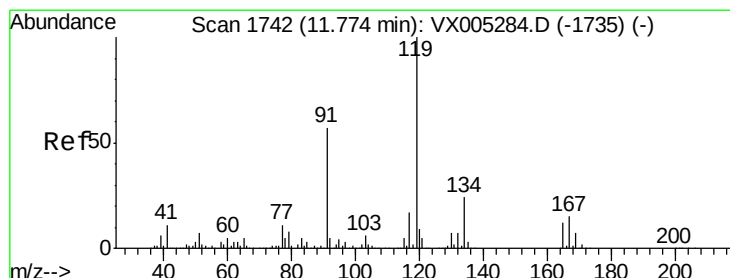
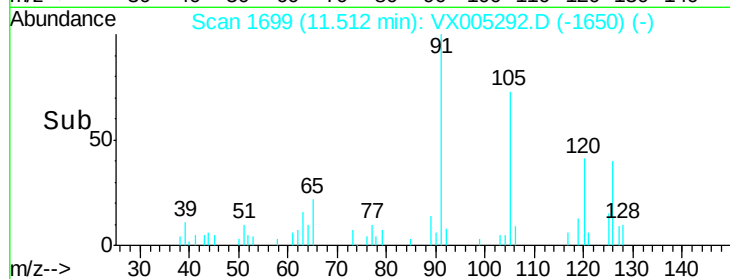
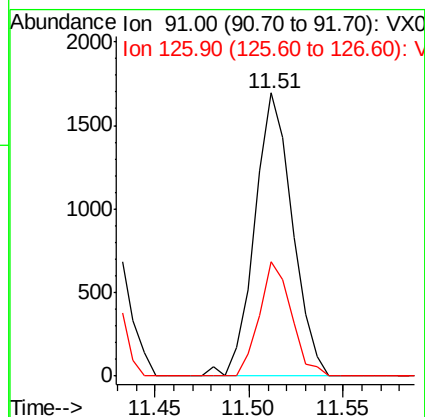
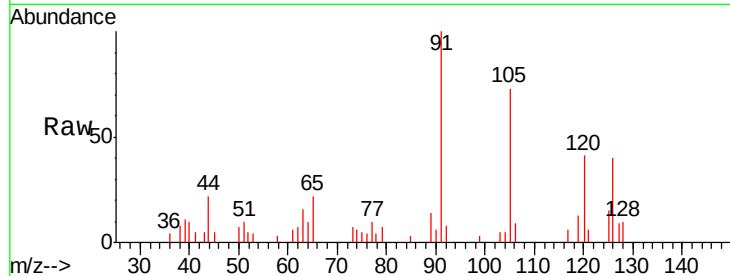
126 34.1 15.5 46.5

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#83

tert-Butylbenzene

Concen: 0.22 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

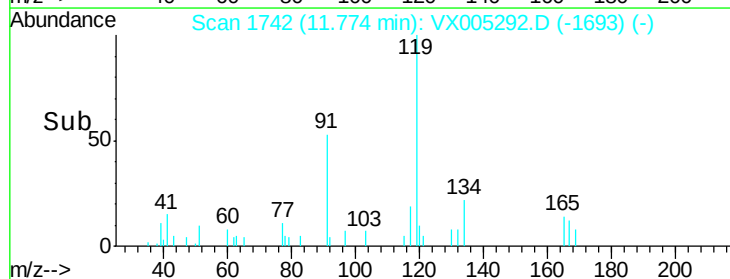
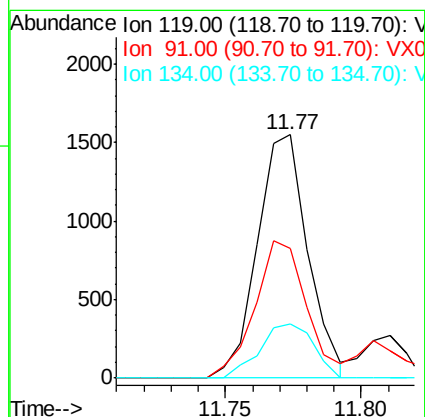
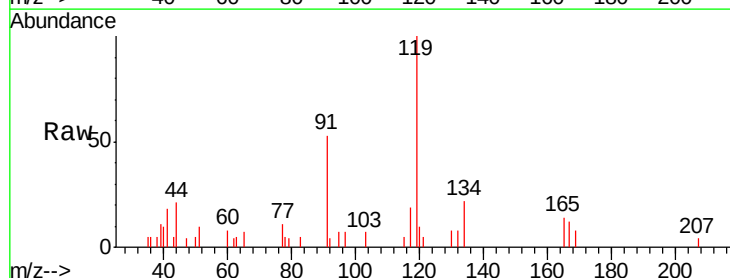
Tgt Ion: 119 Resp: 1989

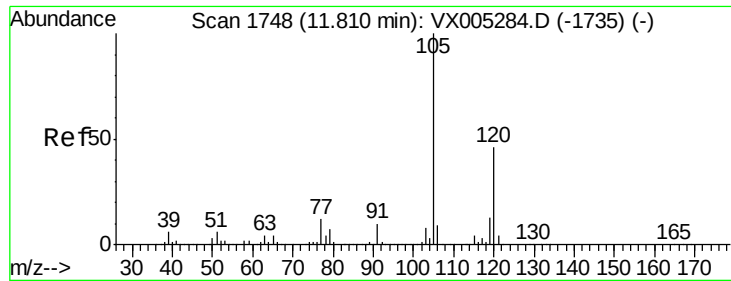
Ion Ratio Lower Upper

119 100

91 57.9 27.0 81.0

134 23.5 11.7 35.1





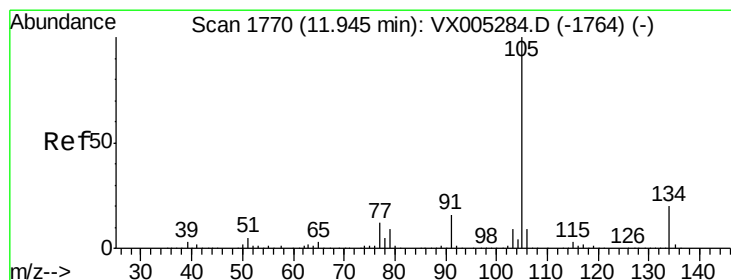
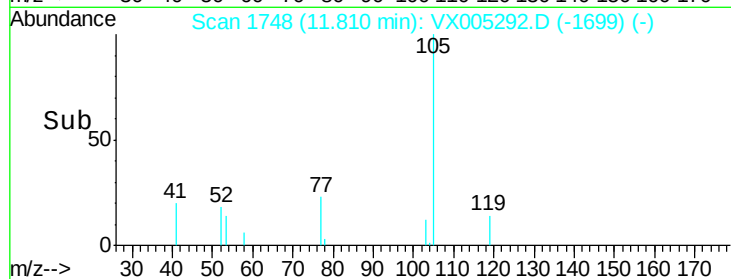
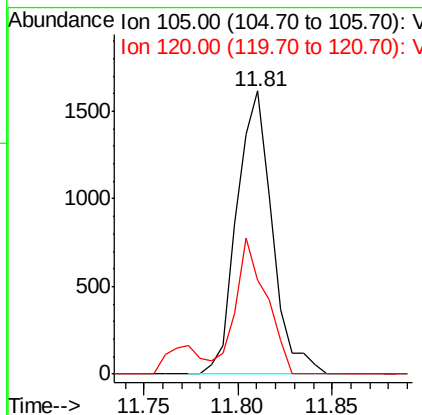
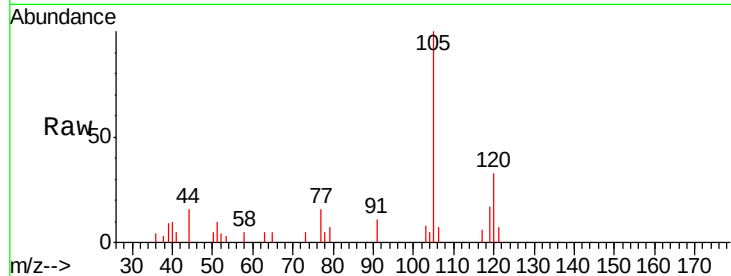
#84
 1,2,4-Trimethylbenzene
 Concen: 0.23 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:105 Resp: 2107
 Ion Ratio Lower Upper
 105 100
 120 41.7 23.2 69.6

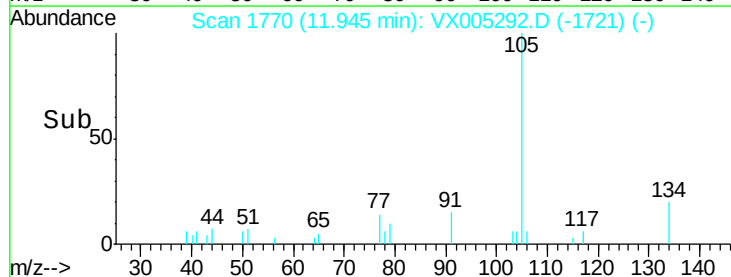
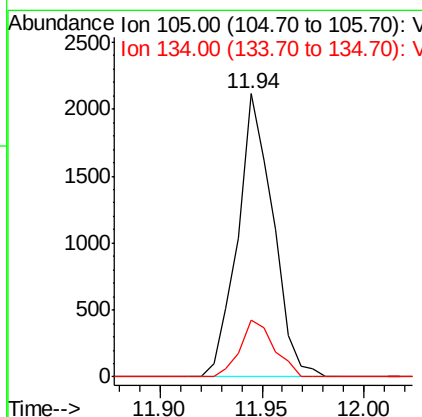
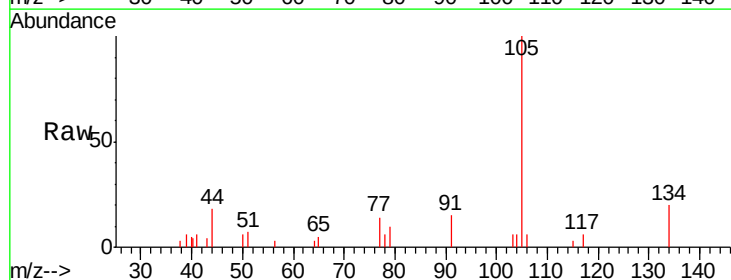
Manual Integrations
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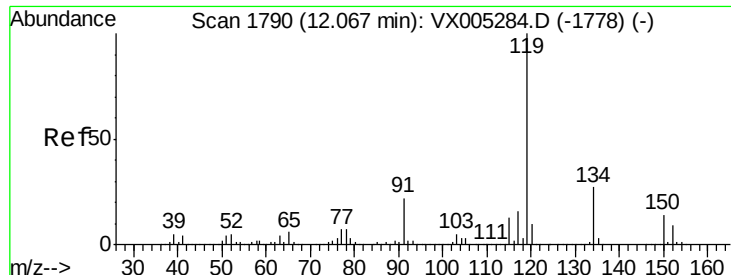
MMDadoda
 10/17/2018 9:04:54 AM



#85
 sec-Butylbenzene
 Concen: 0.24 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Tgt Ion:105 Resp: 2538
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.5 31.5





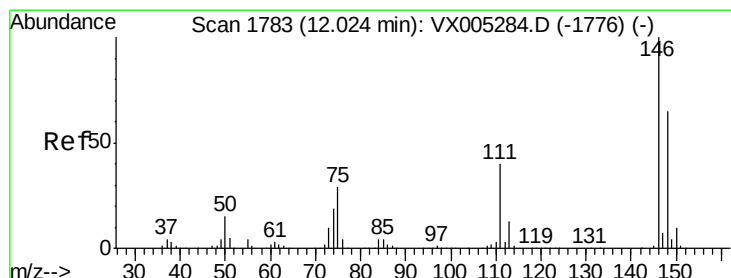
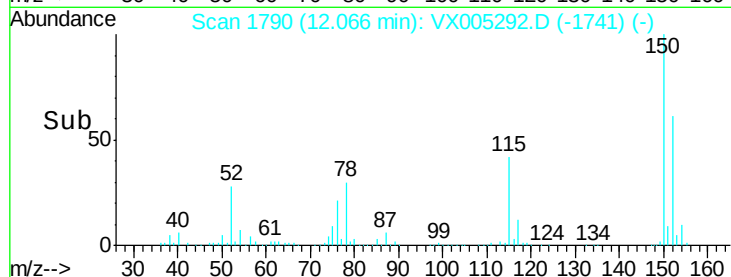
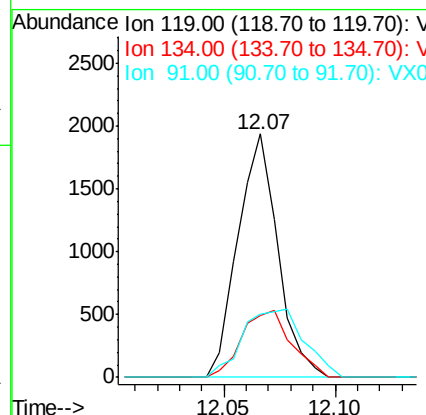
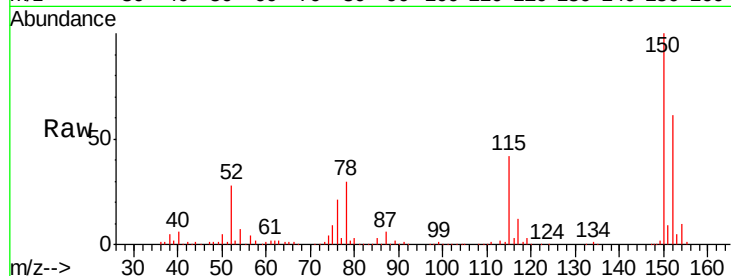
#86
p-Isopropyltoluene
Concen: 0.25 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	2419		
134	34.1	13.4	40.2	
91	43.2	10.9	32.7#	

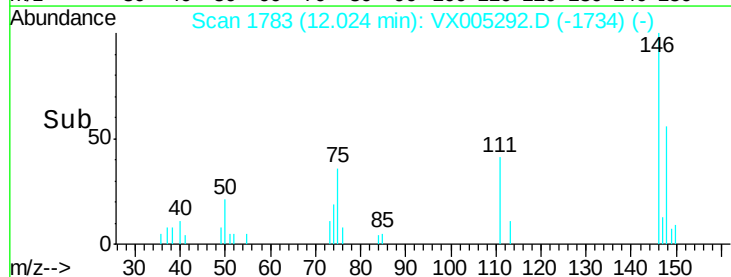
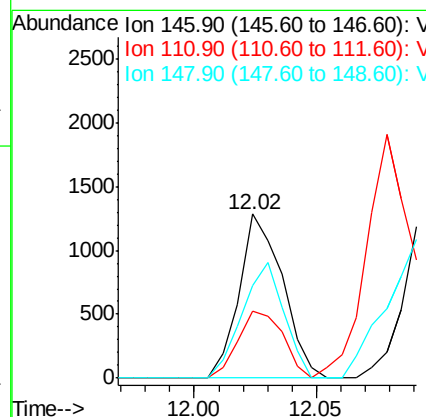
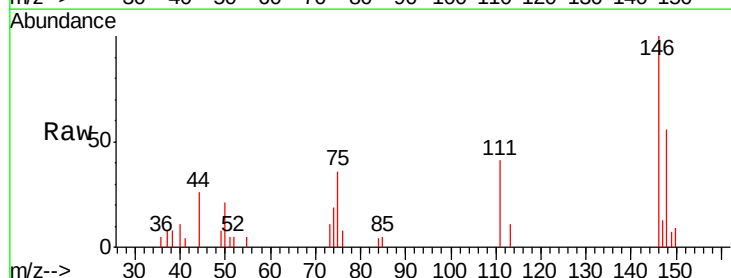
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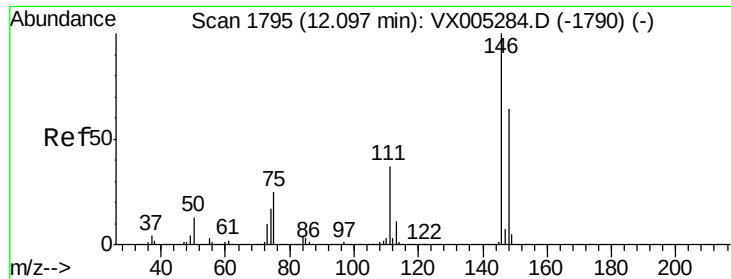
MMDadoda
10/17/2018 9:04:54 AM



#87
1,3-Dichlorobenzene
Concen: 0.28 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX005292.D
Acq: 12 Oct 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	1583		
111	42.8	18.7	56.1	
148	68.1	32.1	96.5	





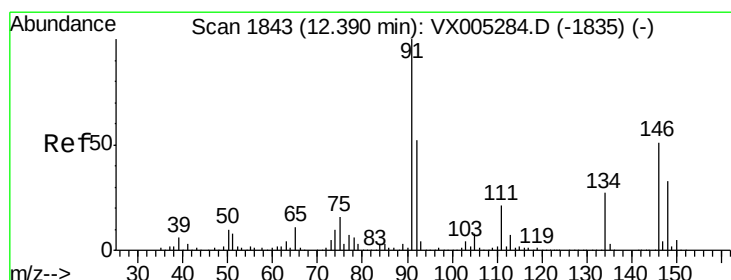
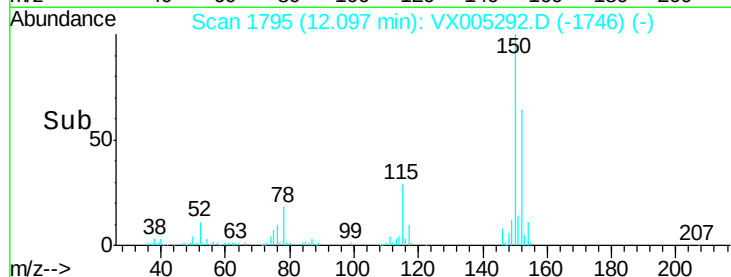
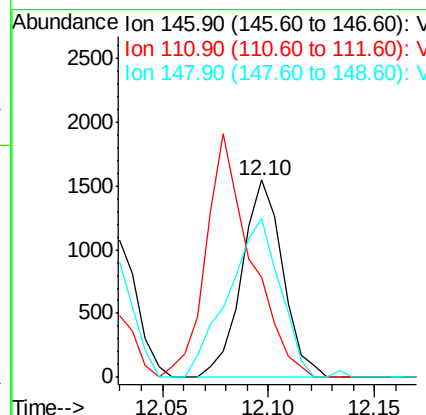
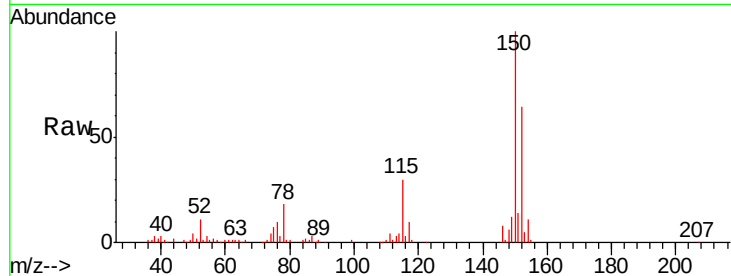
#88
 1,4-Dichlorobenzene
 Concen: 0.36 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 146 Resp: 2072
 Ion Ratio Lower Upper
 146 100
 111 32.7 18.1 54.1
 148 52.0 32.0 96.0

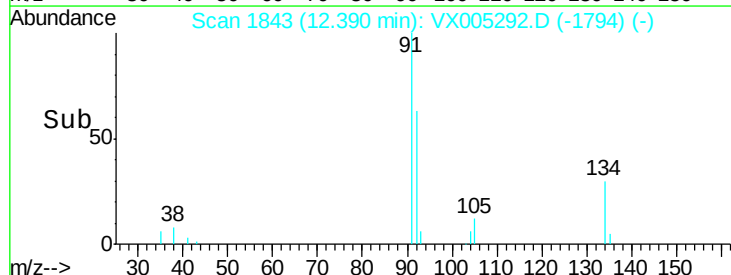
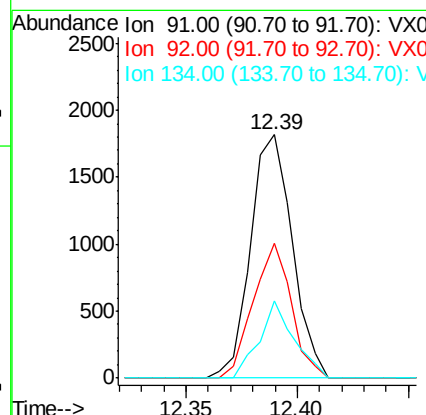
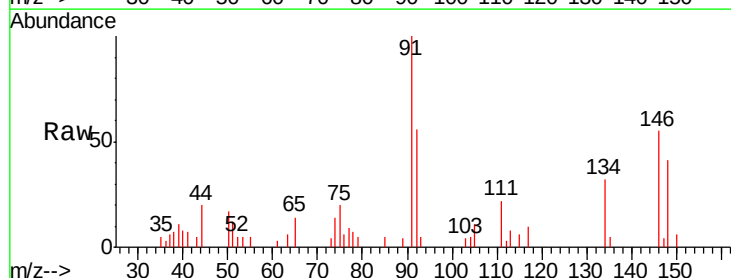
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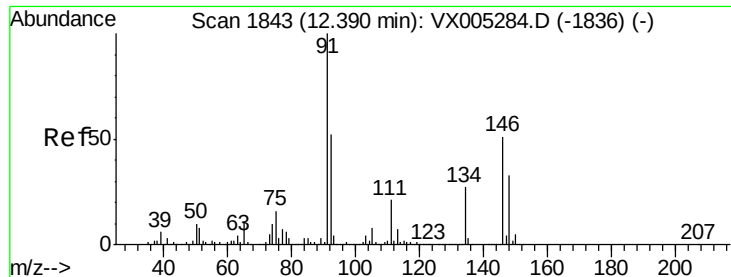
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#89
 n-Butylbenzene
 Concen: 0.27 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Tgt Ion: 91 Resp: 2373
 Ion Ratio Lower Upper
 91 100
 92 50.7 27.3 81.9
 134 26.3 13.6 40.7





#91

1,2-Dichlorobenzene

Concen: 0.29 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

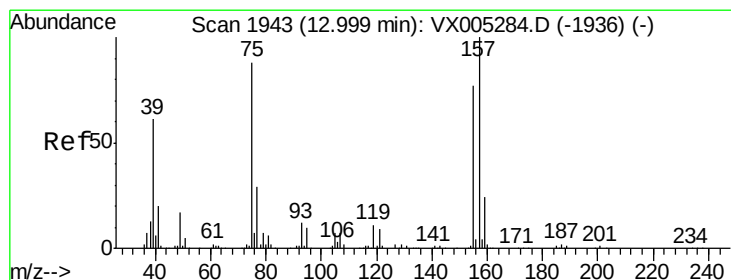
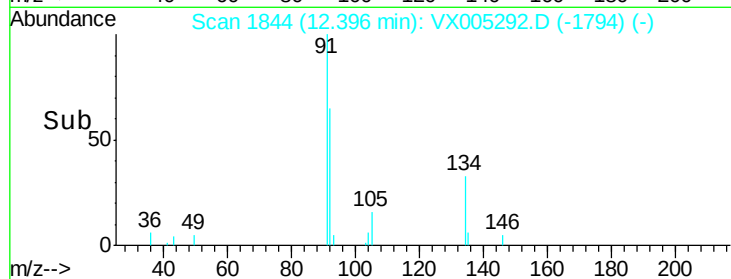
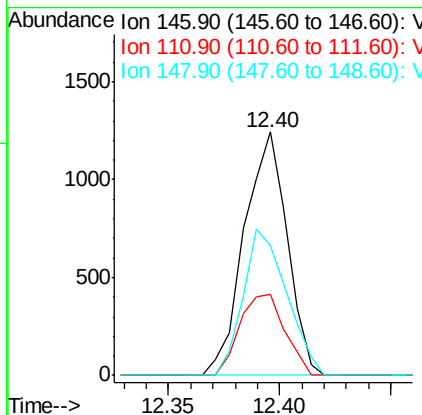
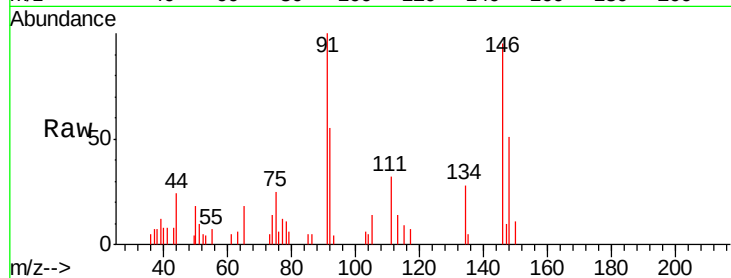
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	146	Resp:	1667
Ion	Ratio	Lower	Upper
146	100		
111	35.1	19.4	58.1
148	61.1	32.8	98.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

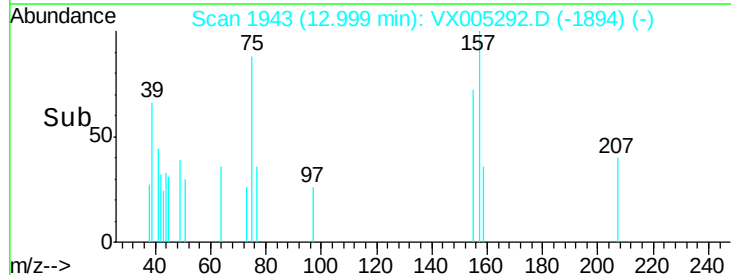
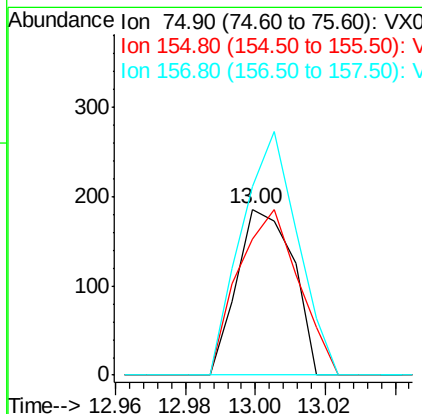
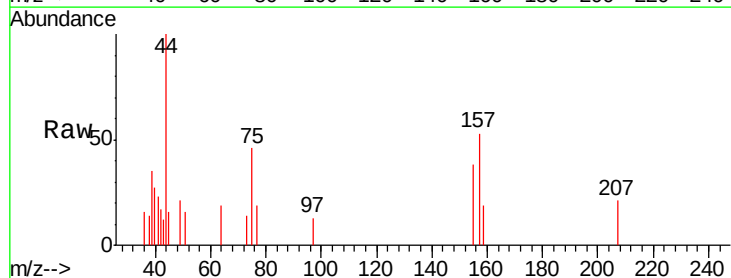
RT: 13.00 min Scan# 1943

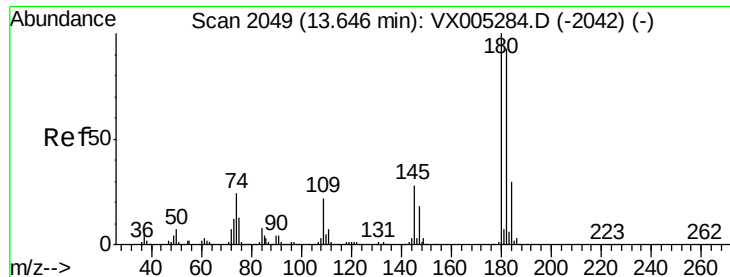
Delta R.T. -0.00 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	75	Resp:	207
Ion	Ratio	Lower	Upper
75	100		
155	106.8	48.0	144.2
157	146.9	61.4	184.1





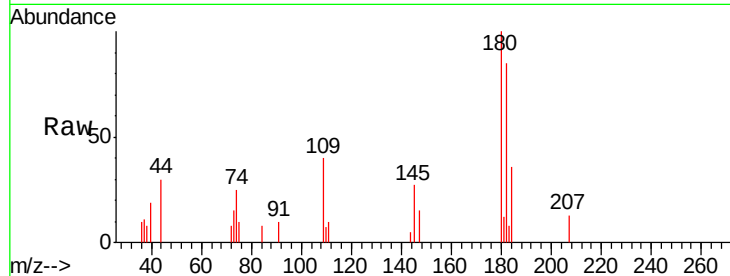
#93
 1,2,4-Trichlorobenzene
 Concen: 0.34 ug/l
 RT: 13.65 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

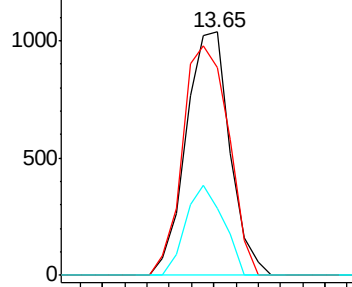
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1426		
182	99.1	48.4	145.0	
145	31.8	14.3	42.9	

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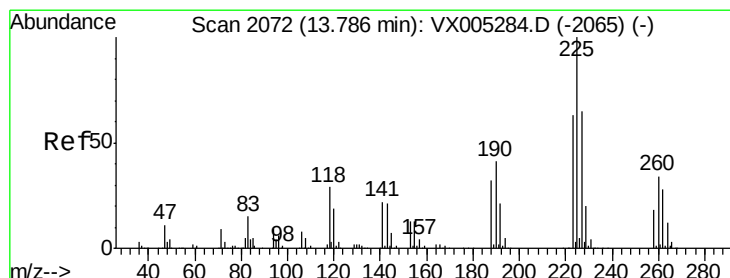
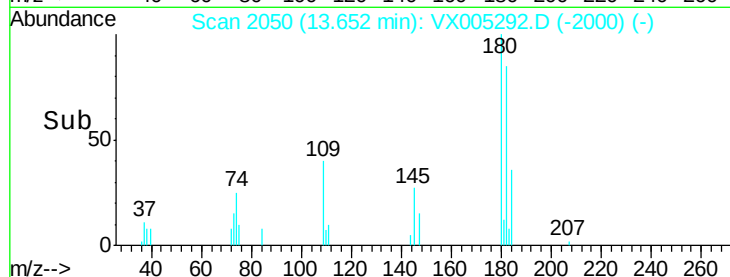
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

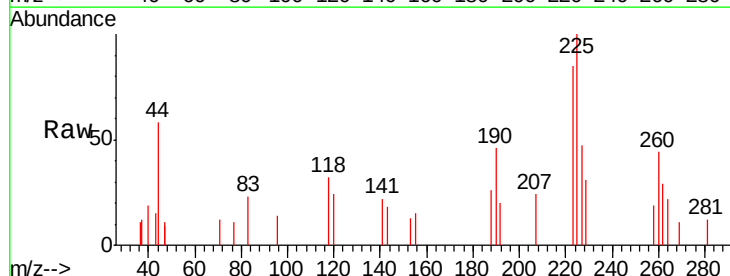


Time-->

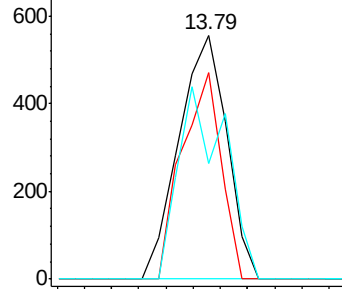


#94
 Hexachlorobutadiene
 Concen: 0.31 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005292.D
 Acq: 12 Oct 2018 14:45

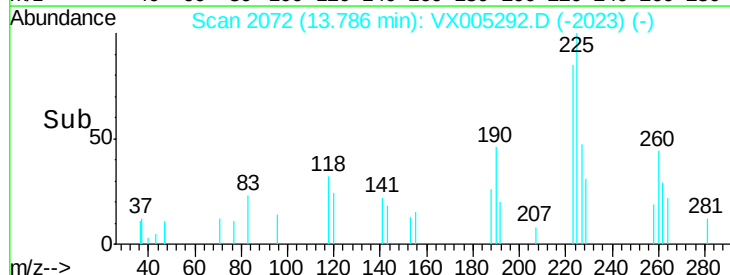
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	679		
223	69.5	30.1	90.5	
227	77.2	30.8	92.4	

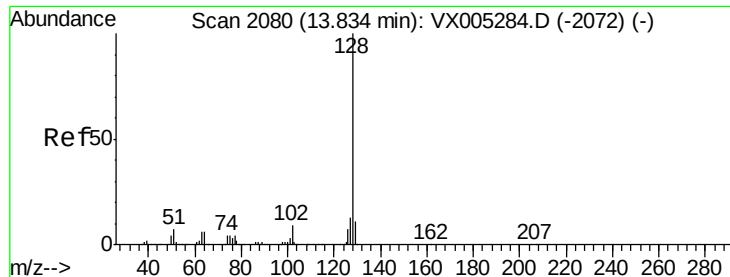


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 0.30 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Instrument :

MSVOA_X

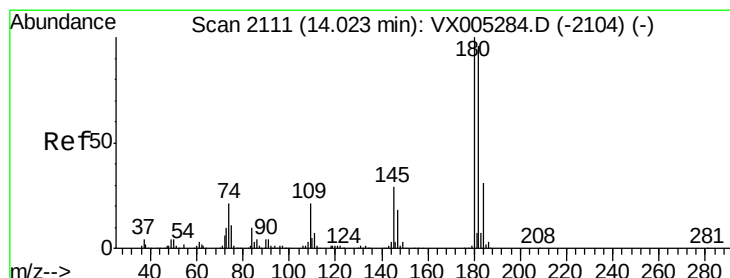
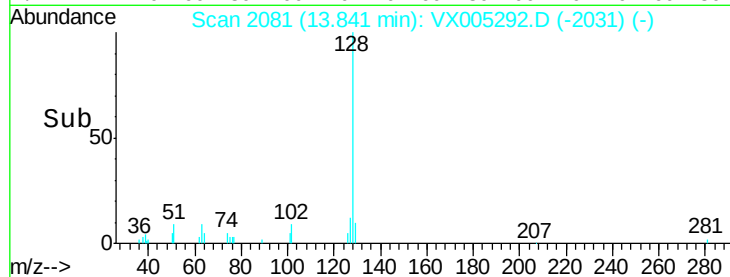
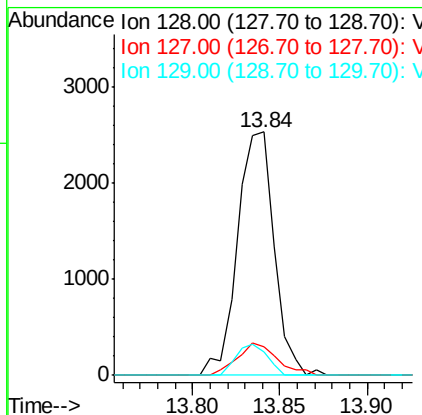
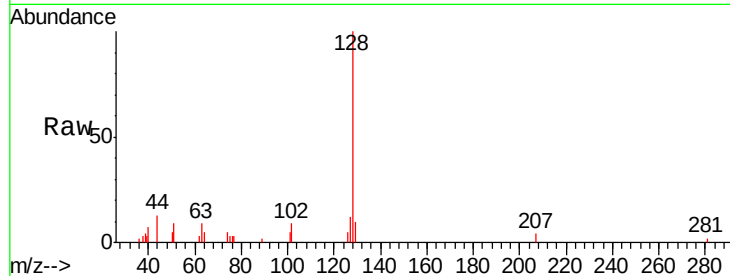
ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	128	Resp:	3693
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.2	15.2
129	10.9	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 0.33 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005292.D

Acq: 12 Oct 2018 14:45

Tgt Ion:	180	Resp:	1411
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.5	145.6
145	32.5	14.9	44.9

