

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005293.D
 Acq On : 12 Oct 2018 15:11
 Operator : JC/MD
 Sample : J5164-09 0.2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:58 AM

Quant Time: Oct 15 11:37:06 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	5.66	168	262940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	381570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	333484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169181	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	169502	58.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	116.16%		
35) Dibromofluoromethane	5.50	113	119494	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.56%		
50) Toluene-d8	8.72	98	425239	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.02%		
62) 4-Bromofluorobenzene	11.14	95	145304	44.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.16%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	494	0.24	ug/l	100
3) Chloromethane	1.32	50	1299	0.44	ug/l	91
4) Vinyl Chloride	1.40	62	775	0.26	ug/l #	80
5) Bromomethane	1.64	94	1025	1.18	ug/l	96
6) Chloroethane	1.72	64	579	0.63	ug/l #	32
7) Trichlorofluoromethane	1.93	101	979	0.24	ug/l	85
8) Diethyl Ether	2.18	74	470	0.27	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	611	0.26	ug/l #	81
12) 1,1-Dichloroethene	2.37	96	673	0.29	ug/l	94
14) Allyl chloride	2.73	41	1078	0.21	ug/l	97
15) Acrylonitrile	3.15	53	2594	1.39	ug/l	95
16) Acetone	2.45	43	2774	1.64	ug/l	95
17) Carbon Disulfide	2.57	76	2879	0.41	ug/l #	86
18) Methyl Acetate	2.78	43	2156	0.45	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	1882	0.23	ug/l #	69
20) Methylene Chloride	2.85	84	1237	Below Cal	#	89
21) trans-1,2-Dichloroethene	3.16	96	773	0.30	ug/l	90
22) Diisopropyl ether	3.87	45	1740	0.20	ug/l #	91
23) Vinyl Acetate	3.82	43	6938	0.93	ug/l	95
24) 1,1-Dichloroethane	3.70	63	1128	0.23	ug/l #	82
25) 2-Butanone	4.71	43	3027	1.23	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	599	0.22	ug/l #	1
28) Bromochloromethane	5.02	49	706	0.32	ug/l #	78
29) Tetrahydrofuran	5.17	42	2139	1.36	ug/l #	87
30) Chloroform	5.20	83	1071m	0.24	ug/l	
31) Cyclohexane	5.59	56	1018	0.25	ug/l #	90
32) 1,1,1-Trichloroethane	5.52	97	887	0.23	ug/l #	23
36) 1,1-Dichloropropene	5.81	75	903	0.24	ug/l #	87
37) Ethyl Acetate	4.87	43	997	0.21	ug/l #	90
38) Carbon Tetrachloride	5.79	117	1384	0.37	ug/l #	86
39) Methylcyclohexane	7.46	83	1027	0.26	ug/l	93
40) Benzene	6.15	78	2399	0.22	ug/l	99
42) 1,2-Dichloroethane	6.20	62	998	0.25	ug/l	84
43) Isopropyl Acetate	6.46	43	1439	0.23	ug/l	96

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Manual Integrations
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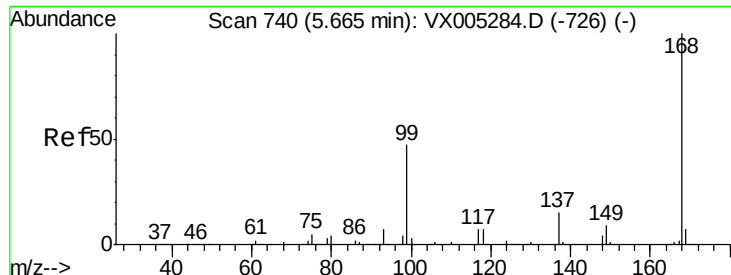
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Trichloroethene	7.22	130	1502	Below	Cal	98
45) 1,2-Dichloropropane	7.52	63	549	0.20	ug/l #	81
46) Dibromomethane	7.66	93	438	0.24	ug/l	89
47) Bromodichloromethane	7.90	83	707	0.21	ug/l #	92
48) Methyl methacrylate	7.78	41	670	0.20	ug/l #	81
49) 1,4-Dioxane	7.76	88	375	4.95	ug/l #	70
51) 4-Methyl-2-Pentanone	8.65	43	3494	0.80	ug/l	98
52) Toluene	8.79	92	1376	0.23	ug/l	97
53) t-1,3-Dichloropropene	9.05	75	735	0.20	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	568	0.22	ug/l #	92
57) 1,3-Dichloropropane	9.38	76	976	0.23	ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.32	63	1824	0.87	ug/l	100
59) 2-Hexanone	9.50	43	2952	0.84	ug/l	88
64) Tetrachloroethene	9.34	164	716	0.27	ug/l	93
65) Chlorobenzene	10.14	112	1619	0.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	608	0.24	ug/l #	57
67) Ethyl Benzene	10.25	91	2419	0.21	ug/l	92
68) m/p-Xylenes	10.36	106	1746	0.39	ug/l	96
73) Isopropylbenzene	11.02	105	2074	0.21	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	862	0.23	ug/l	95
76) 1,2,3-Trichloropropane	11.30	75	747m	0.23	ug/l	
77) Bromobenzene	11.26	156	681	0.24	ug/l	81
78) n-propylbenzene	11.36	91	2799	0.24	ug/l	99
79) 2-Chlorotoluene	11.42	91	1724	0.24	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	1805	0.21	ug/l	95
82) 4-Chlorotoluene	11.51	91	1981	0.24	ug/l	98
83) tert-Butylbenzene	11.77	119	1835	0.21	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1913	0.22	ug/l	96
85) sec-Butylbenzene	11.94	105	2177	0.21	ug/l	95
86) p-Isopropyltoluene	12.07	119	1974	0.21	ug/l #	68
87) 1,3-Dichlorobenzene	12.03	146	1410	0.26	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	1780m	0.32	ug/l	
89) n-Butylbenzene	12.39	91	2093	0.25	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	1238	0.23	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.01	75	267	0.29	ug/l	72
93) 1,2,4-Trichlorobenzene	13.65	180	1329	0.33	ug/l	88
94) Hexachlorobutadiene	13.78	225	548	0.26	ug/l	85
95) Naphthalene	13.83	128	2506	0.21	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.02	180	1036	0.25	ug/l	89

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



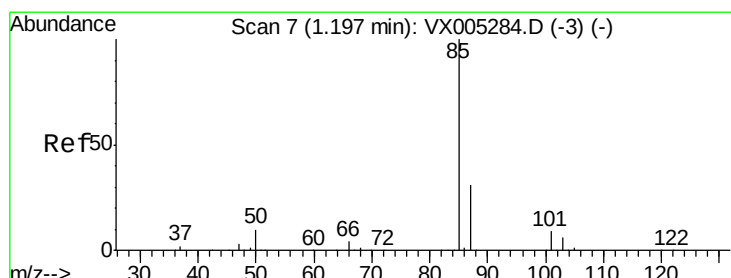
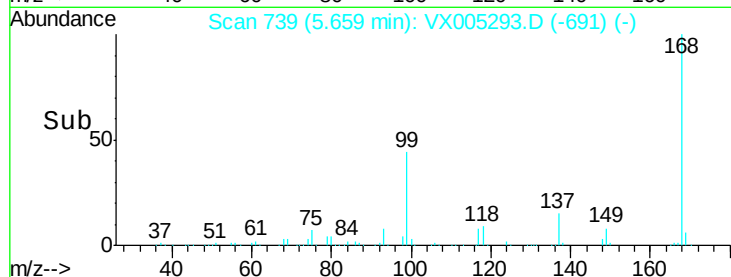
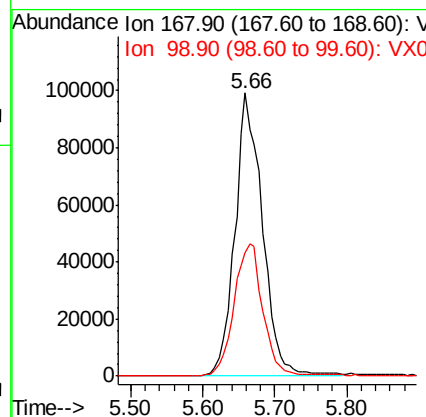
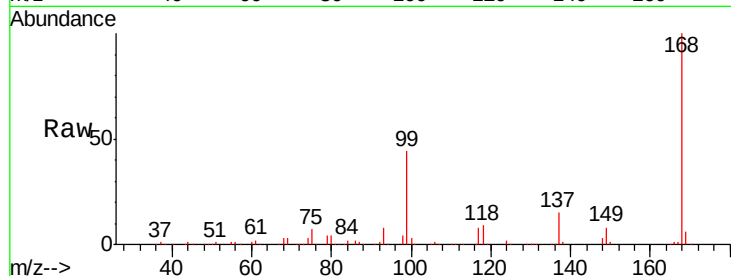
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
168	100		
99	43.5	39.9	59.9

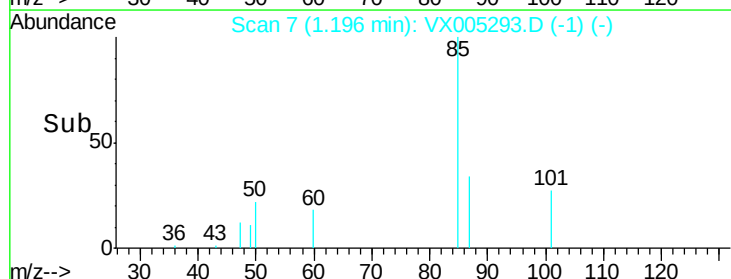
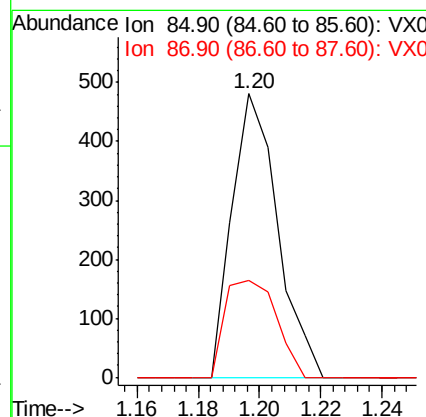
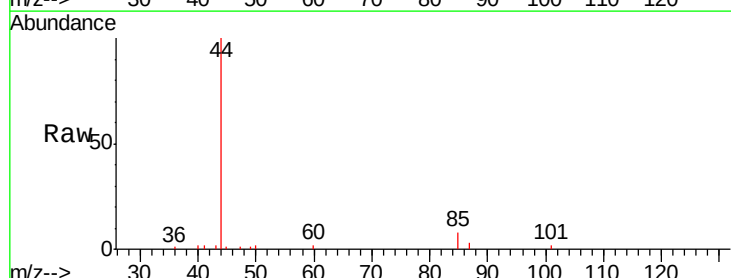
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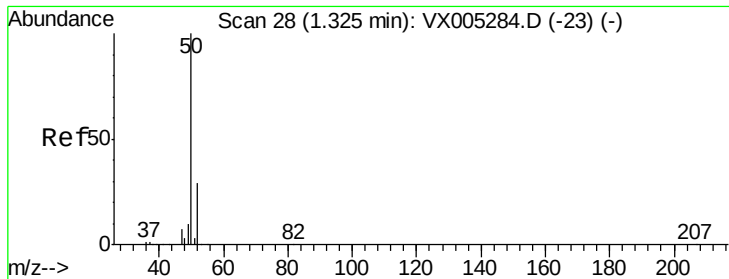
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#2
Dichlorodifluoromethane
Concen: 0.24 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.1	17.0	50.9





#3

Chloromethane

Concen: 0.44 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 50 Resp: 1299

Ion Ratio Lower Upper

50 100

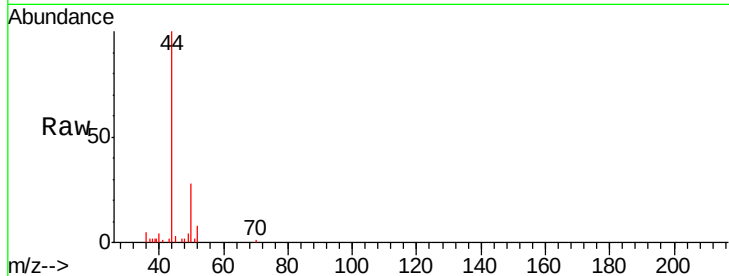
52 27.7 26.2 39.2

Manual Integrations

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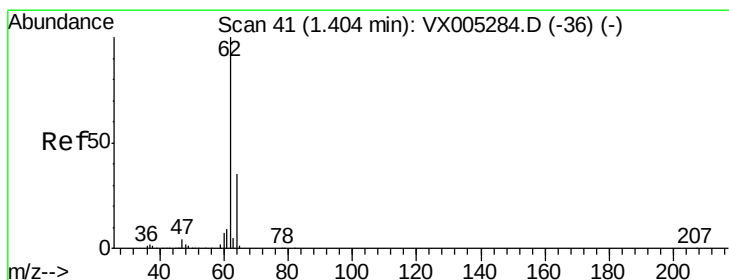
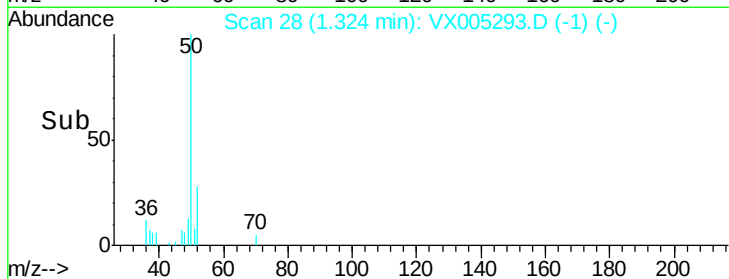
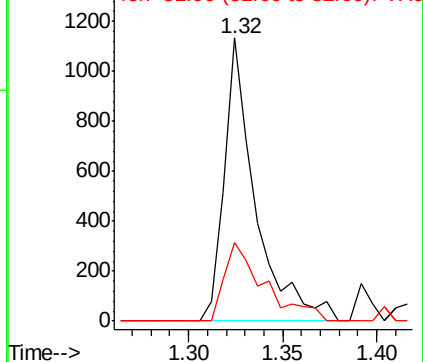
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.26 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005293.D

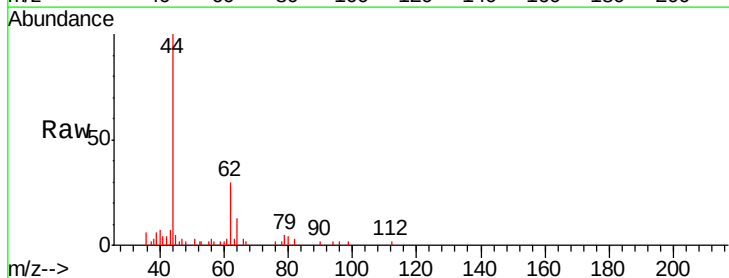
Acq: 12 Oct 2018 15:11

Tgt Ion: 62 Resp: 775

Ion Ratio Lower Upper

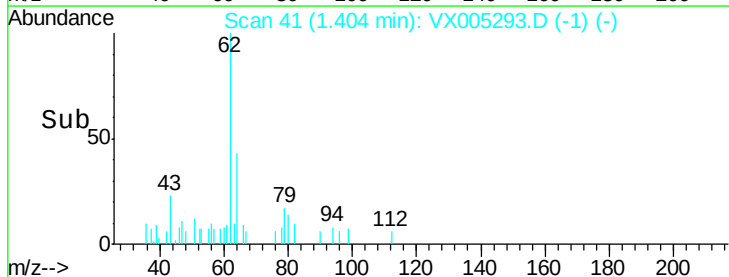
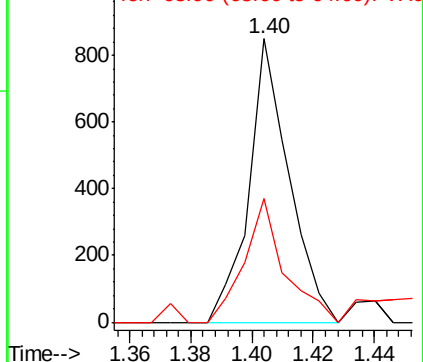
62 100

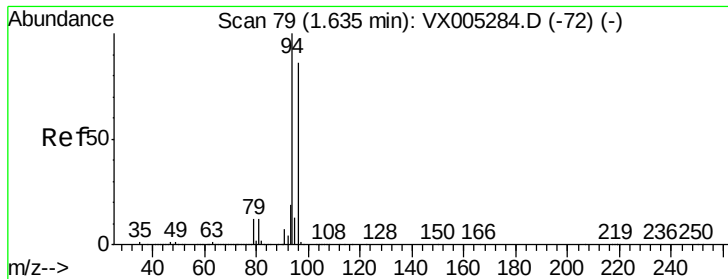
64 43.5 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.18 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 94 Resp: 1025

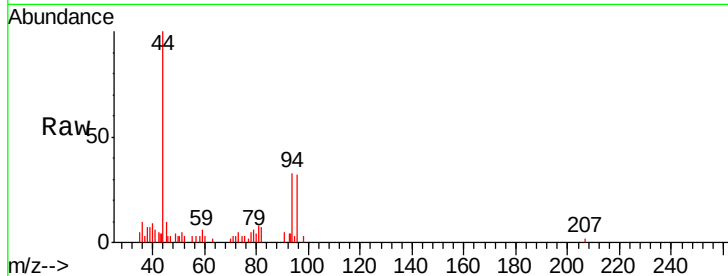
Ion Ratio Lower Upper

94 100

96 89.5 74.5 111.7

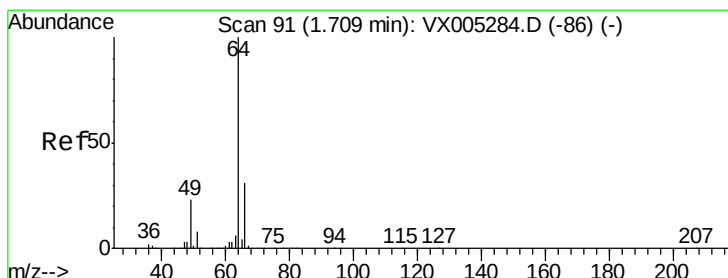
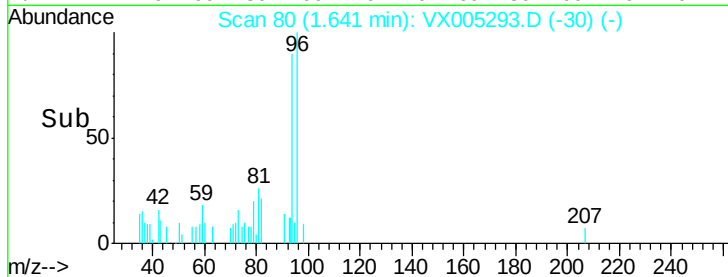
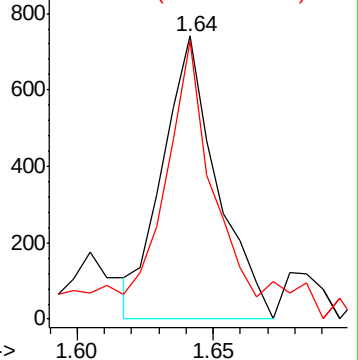
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.63 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005293.D

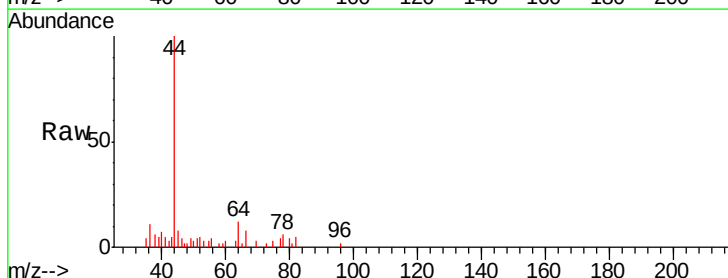
Acq: 12 Oct 2018 15:11

Tgt Ion: 64 Resp: 579

Ion Ratio Lower Upper

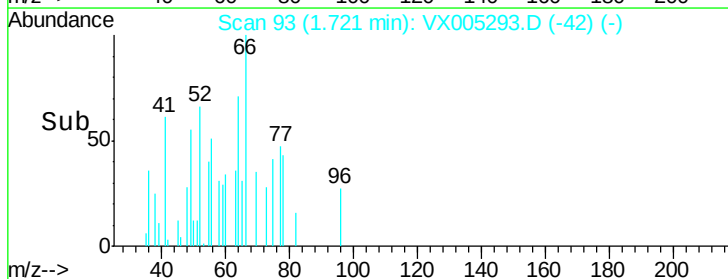
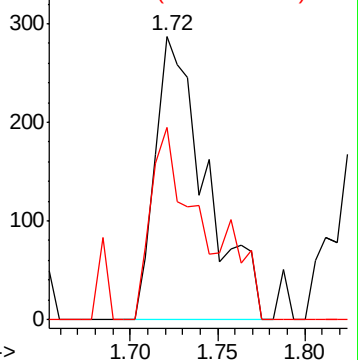
64 100

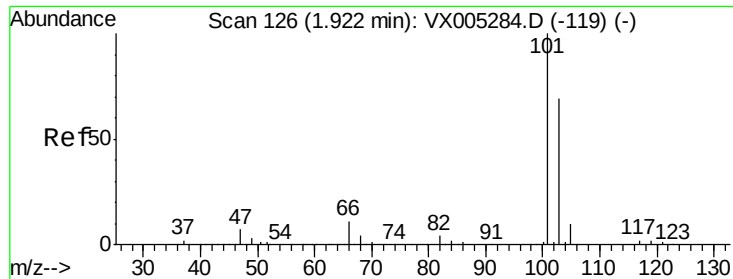
66 67.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 0.24 ug/l

RT: 1.93 min Scan# 128

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 101 Resp: 979

Ion Ratio Lower Upper

101 100

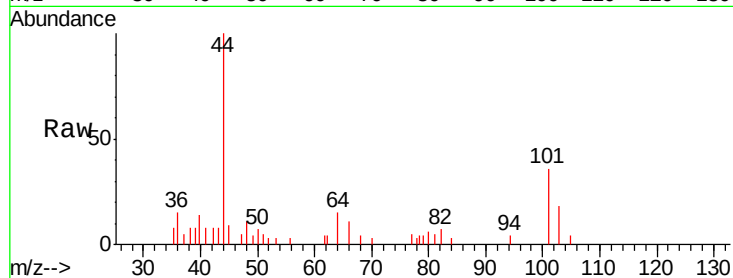
103 49.4 48.9 73.3

Manual Integrations

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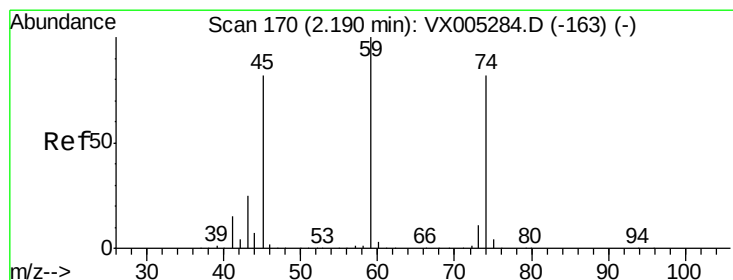
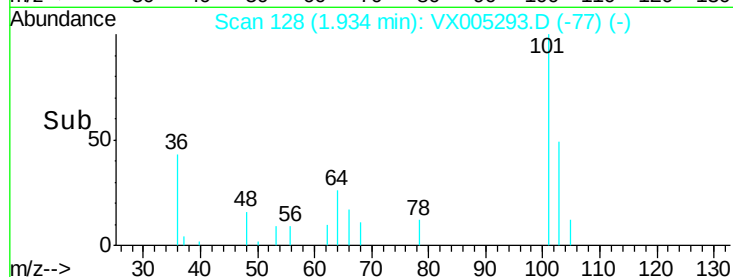
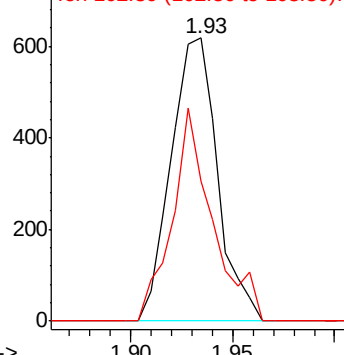
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.27 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX005293.D

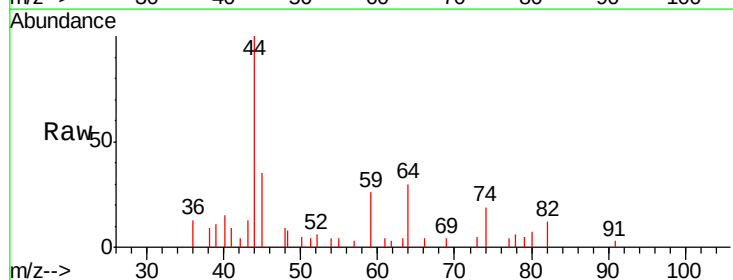
Acq: 12 Oct 2018 15:11

Tgt Ion: 74 Resp: 470

Ion Ratio Lower Upper

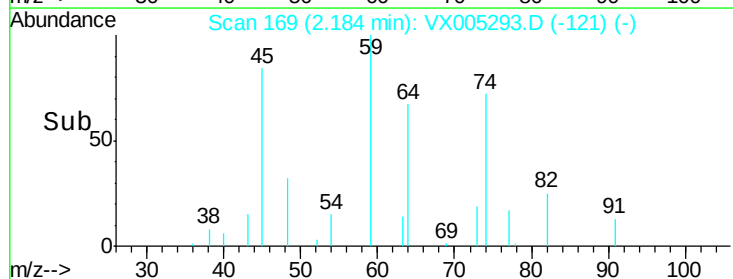
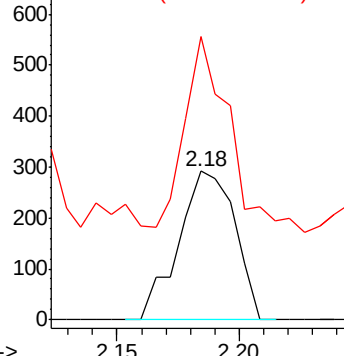
74 100

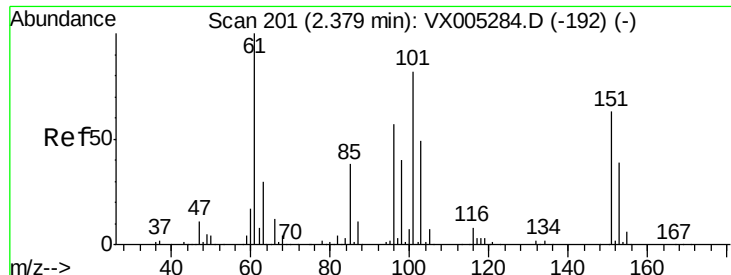
45 104.7 48.3 144.8



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: 0.26 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

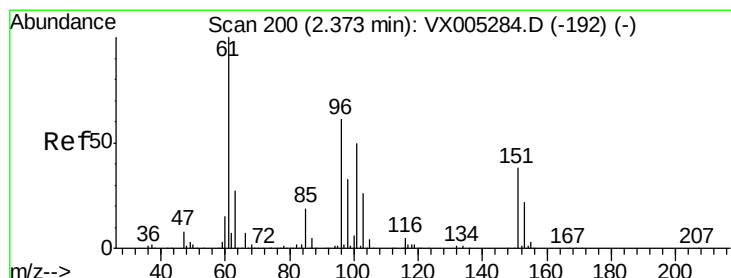
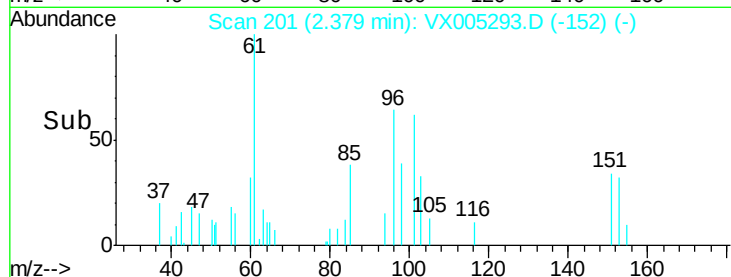
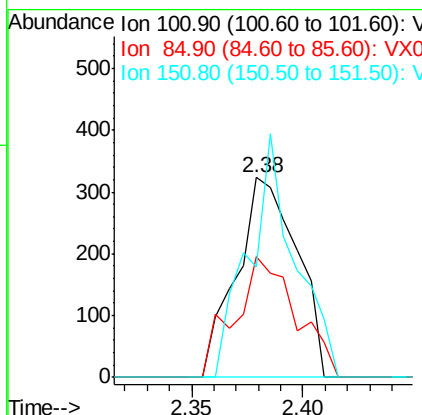
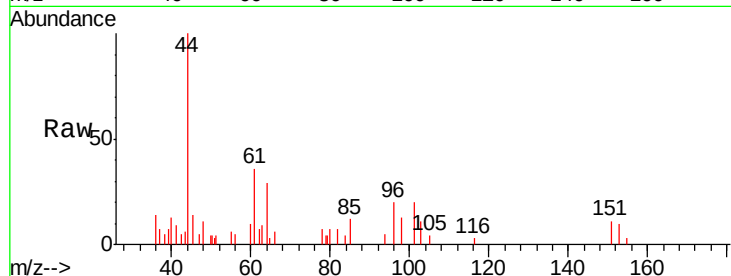
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	101	Resp:	611
Ion Ratio	Lower	Upper	
101	100		
85	61.9	34.2	51.4#
151	92.8	65.0	97.6

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#12

1,1-Dichloroethene

Concen: 0.29 ug/l

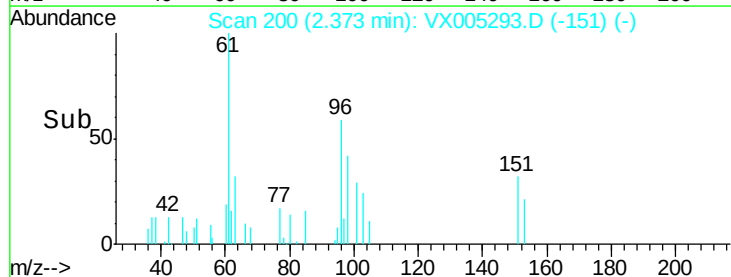
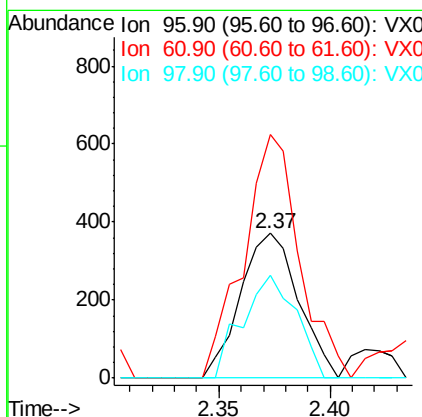
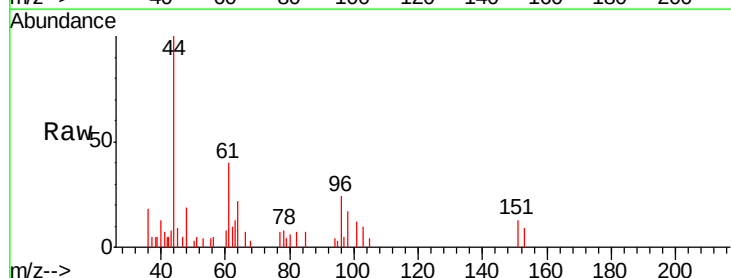
RT: 2.37 min Scan# 200

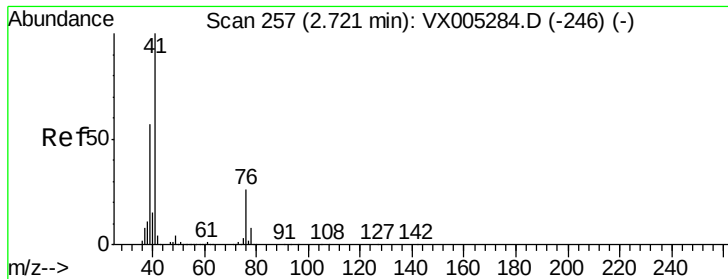
Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	96	Resp:	673
Ion Ratio	Lower	Upper	
96	100		
61	168.2	128.8	193.2
98	70.9	52.2	78.2





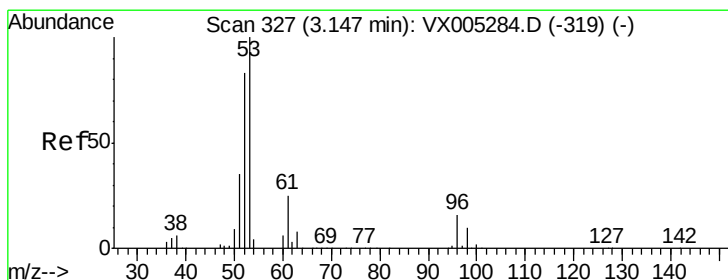
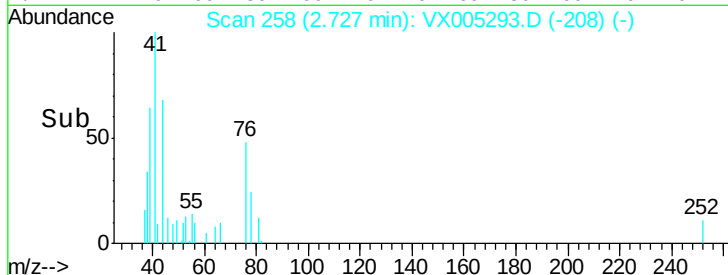
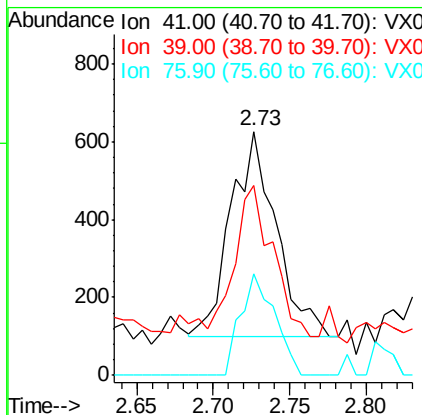
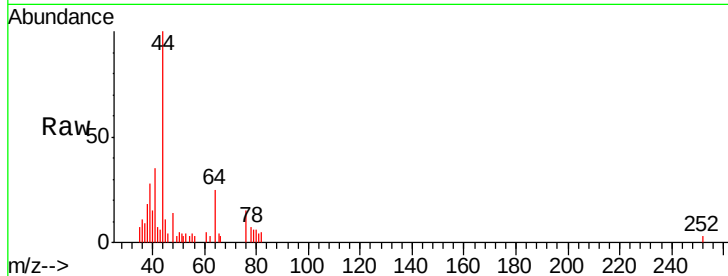
#14
 Allyl chloride
 Concen: 0.21 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion:	41	Resp:	1078
Ion	Ratio	Lower	Upper
41	100		
39	62.2	48.9	73.3
76	37.6	26.7	40.1

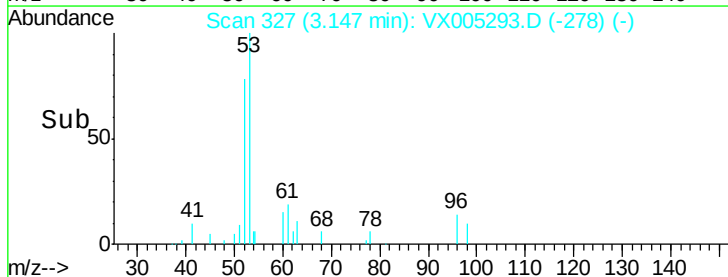
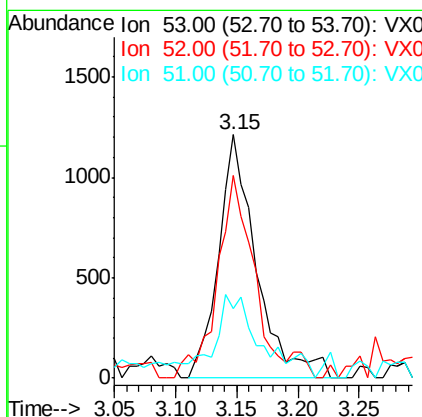
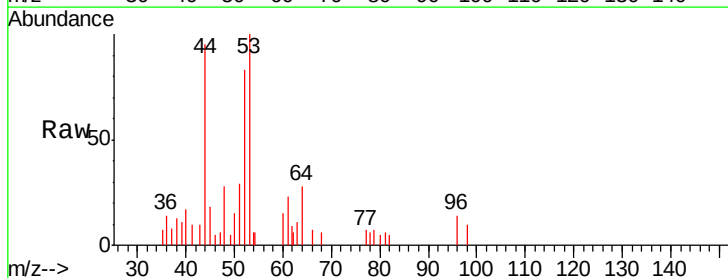
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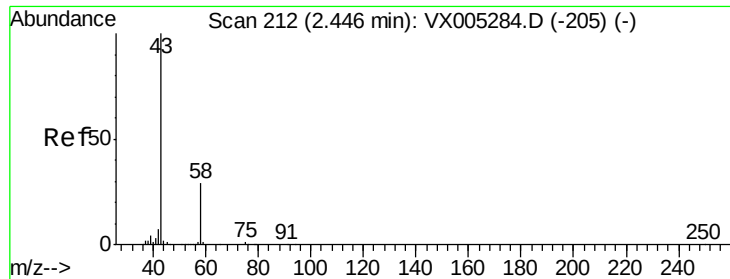
MMDadoda
 10/17/2018 9:04:58 AM



#15
 Acrylonitrile
 Concen: 1.39 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion:	53	Resp:	2594
Ion	Ratio	Lower	Upper
53	100		
52	79.3	65.2	97.8
51	41.3	28.2	42.2





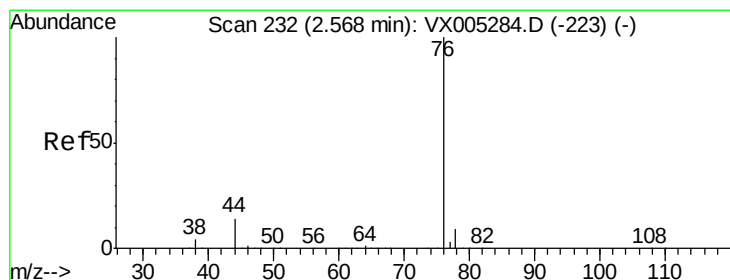
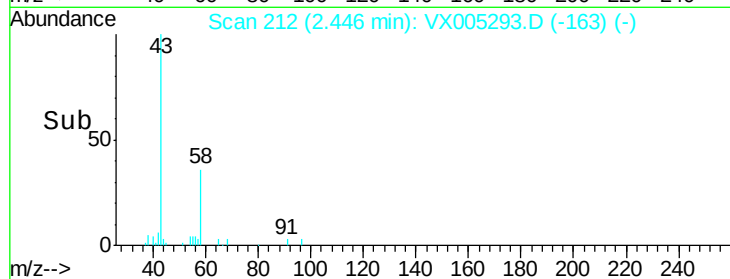
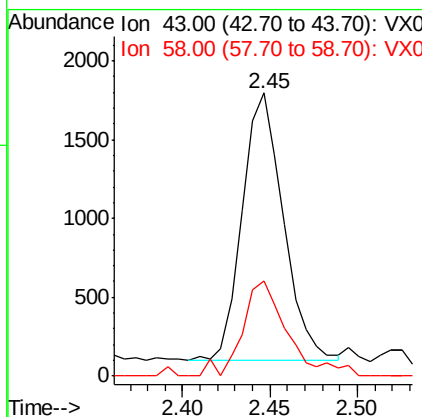
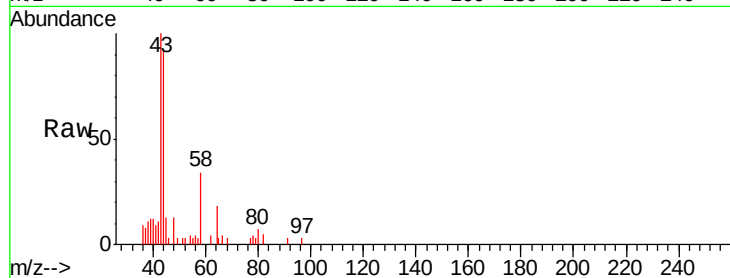
#16
Acetone
Concen: 1.64 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
58 35.6 26.2 39.4

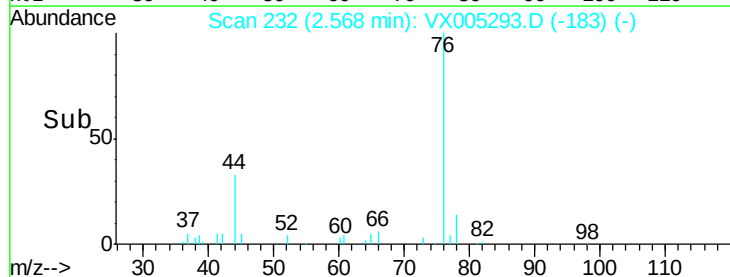
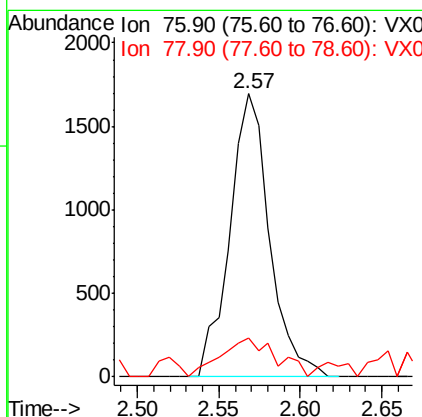
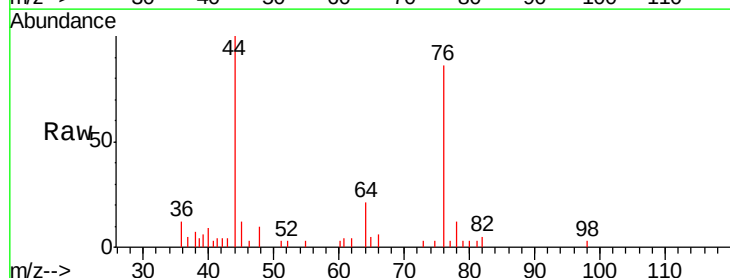
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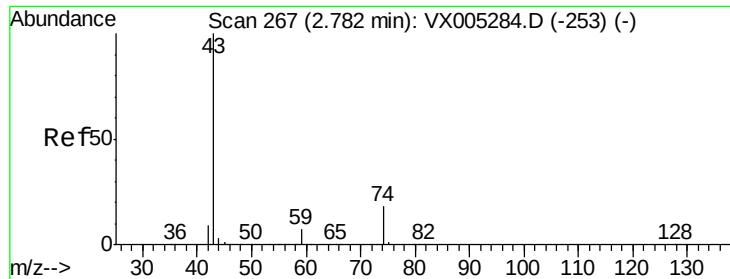
MMDadoda
10/17/2018 9:04:58 AM



#17
Carbon Disulfide
Concen: 0.41 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 76 Resp: 2879
Ion Ratio Lower Upper
76 100
78 13.7 7.0 10.6#





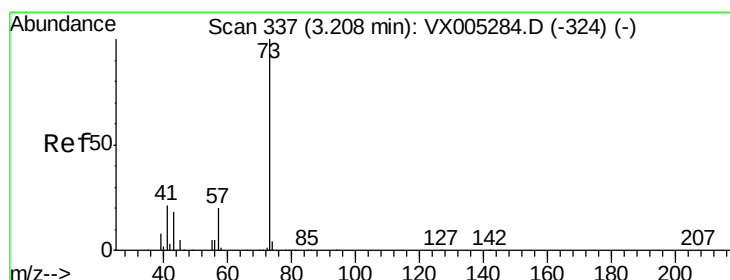
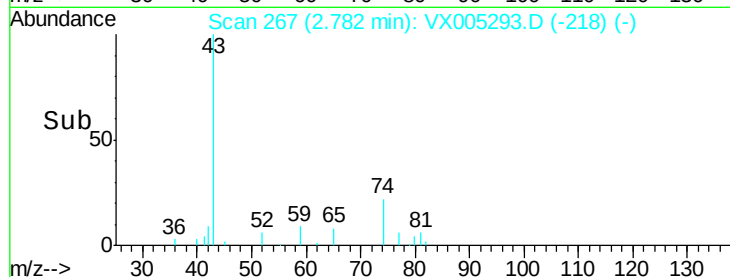
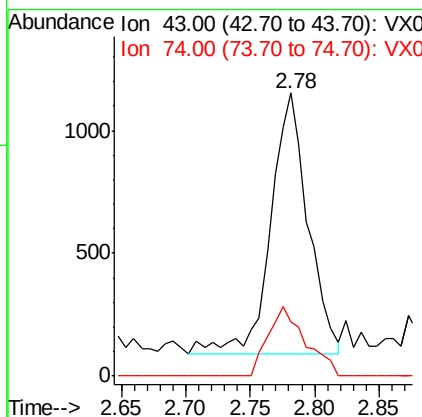
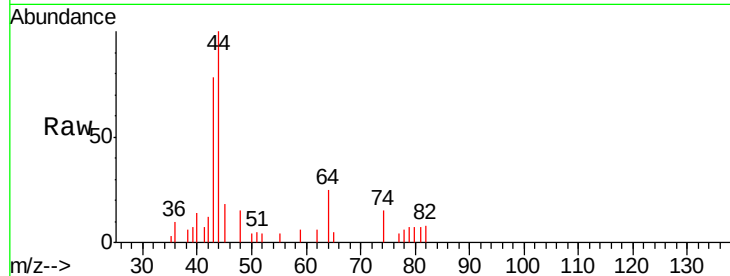
#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
74 26.5 19.4 29.2

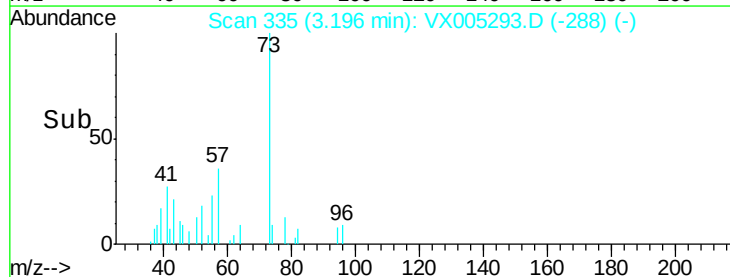
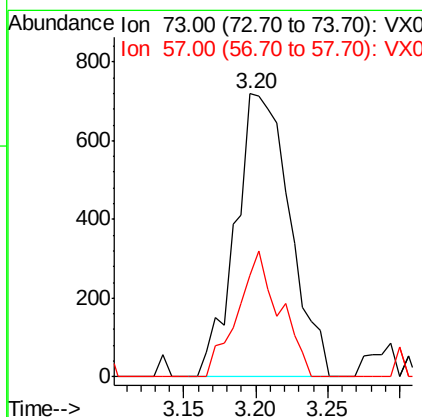
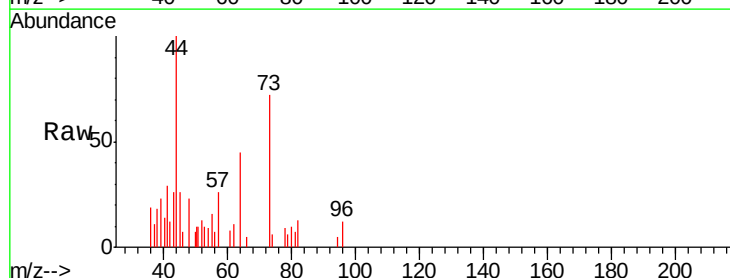
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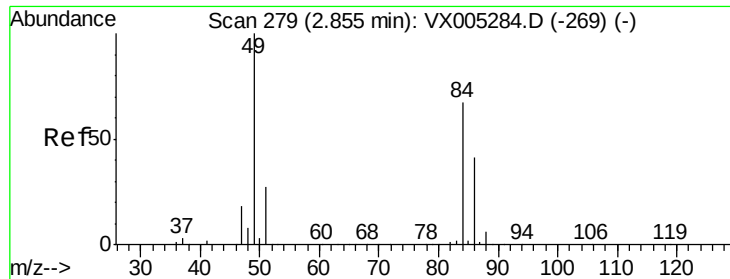
MMDadoda
10/17/2018 9:04:58 AM



#19
Methyl tert-butyl Ether
Concen: 0.23 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 73 Resp: 1882
Ion Ratio Lower Upper
73 100
57 36.0 17.1 25.7#





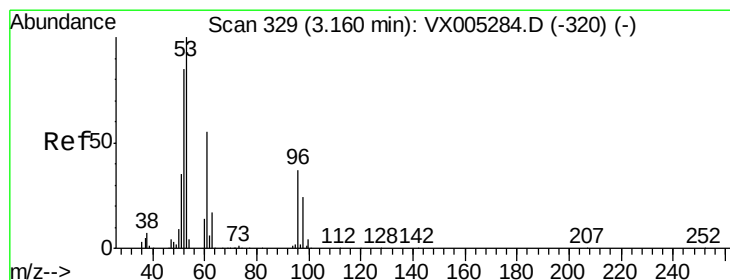
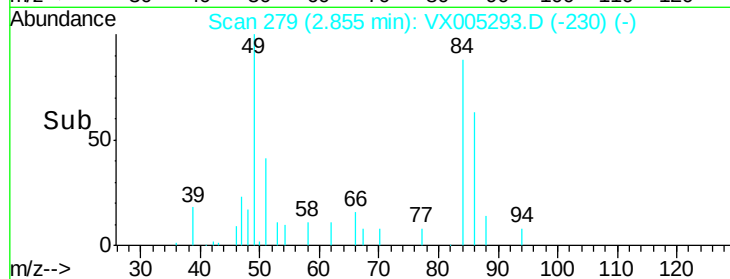
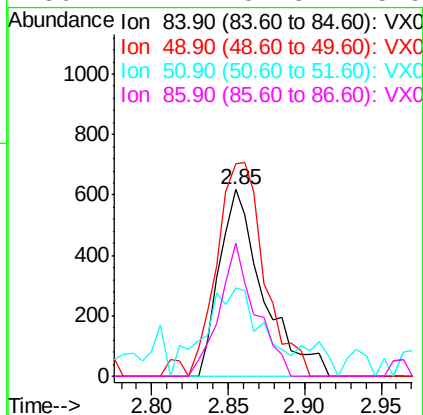
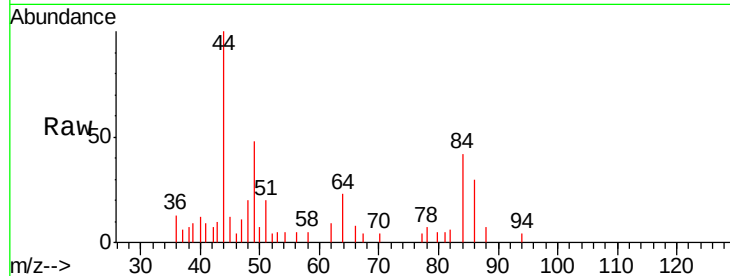
#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	101.2	151.8
51	47.1	29.5	44.3
86	71.2	52.3	78.5

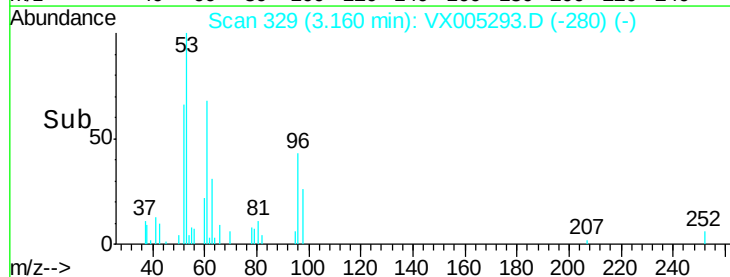
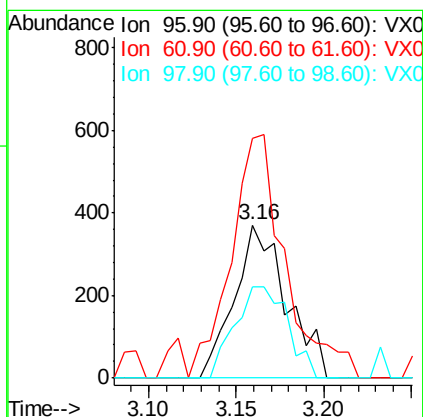
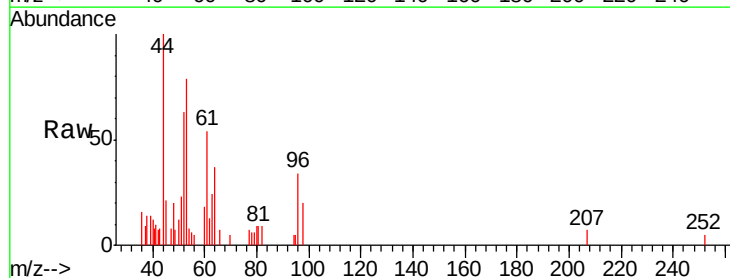
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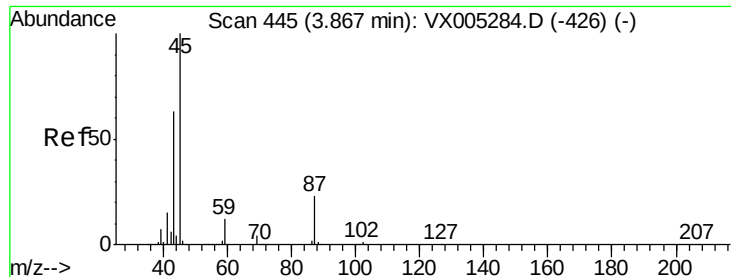
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#21
trans-1,2-Dichloroethene
Concen: 0.30 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	113.8	170.6
98	59.7	51.8	77.8





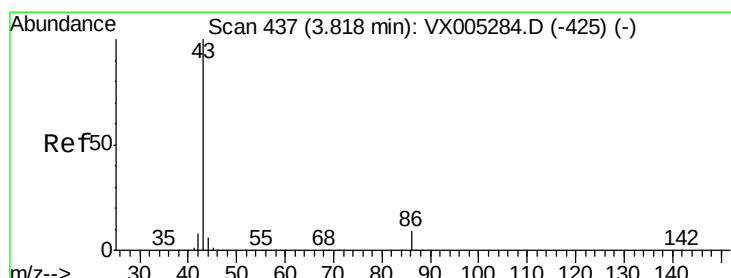
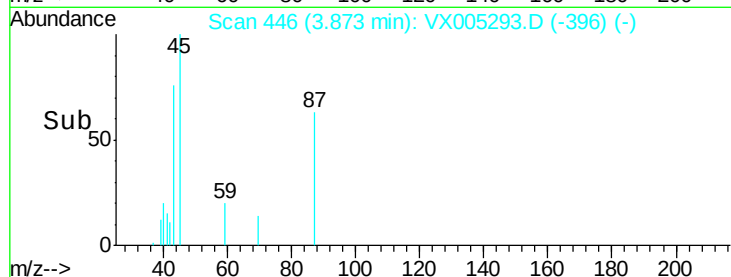
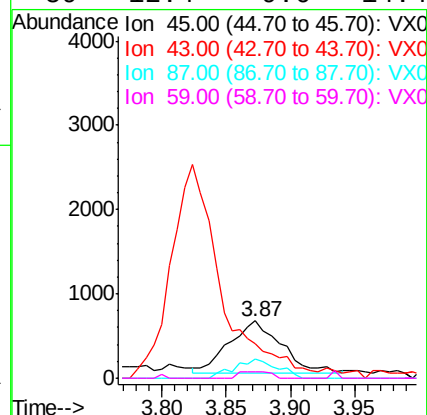
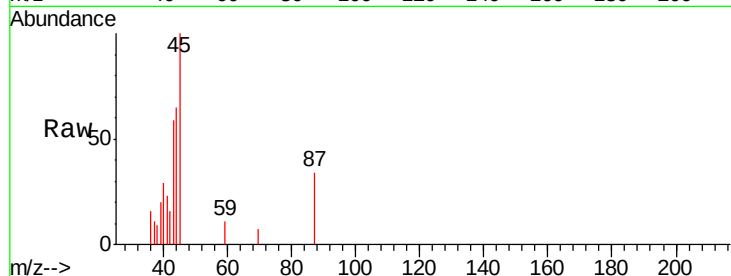
#22
Diisopropyl ether
Concen: 0.20 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	42.8	64.2
87	39.0	22.6	34.0
59	12.4	9.6	14.4

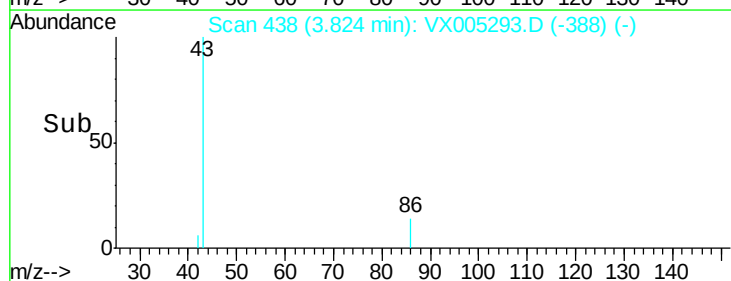
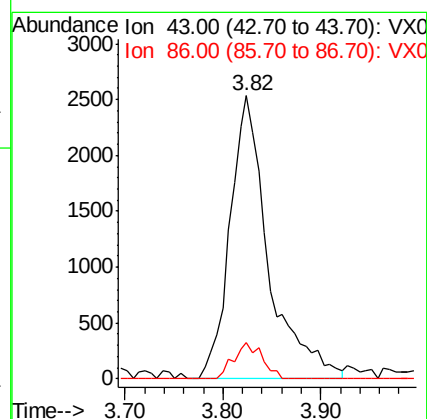
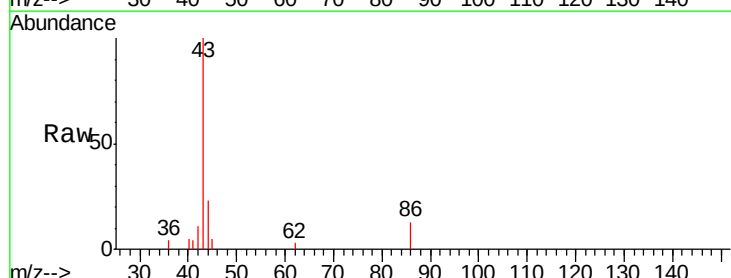
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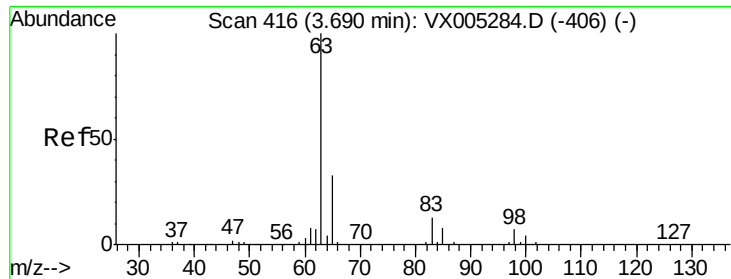
MMDadoda
10/17/2018 9:04:58 AM



#23
Vinyl Acetate
Concen: 0.93 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
86	13.1	8.9	13.3





#24

1,1-Dichloroethane

Concen: 0.23 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

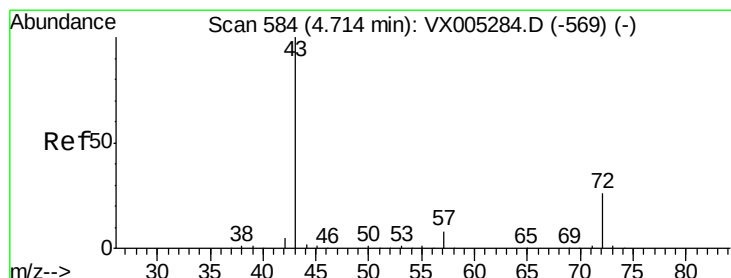
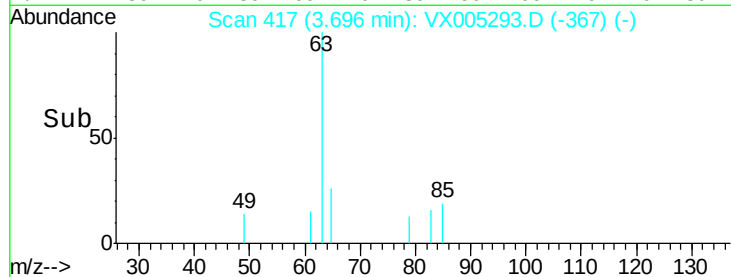
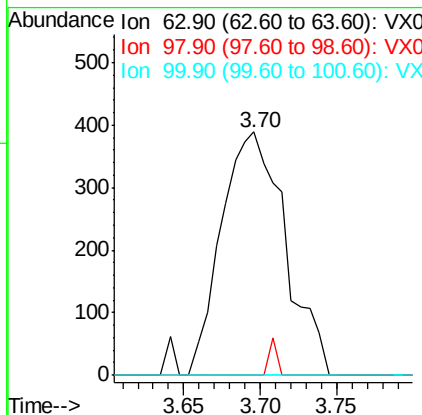
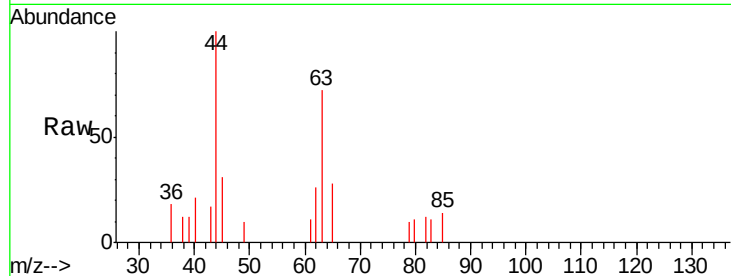
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	63	Resp:	1128
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.5	10.4#
100	0.0	2.4	7.1#

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10/17/2018 9:04:58 AM



#25

2-Butanone

Concen: 1.23 ug/l

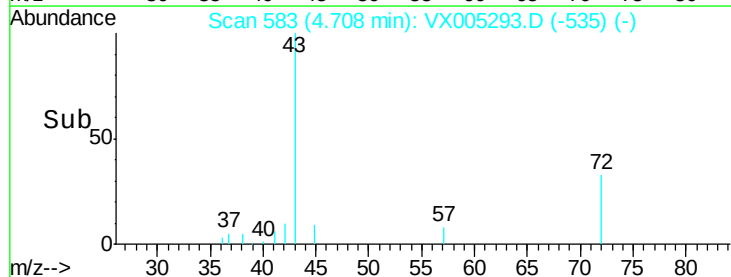
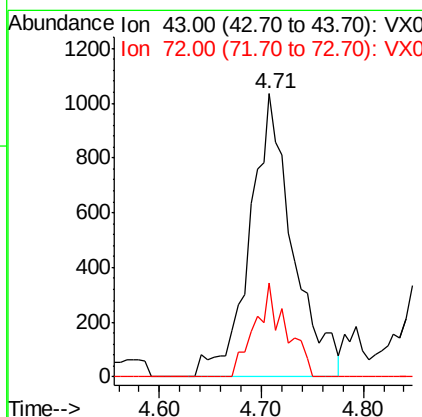
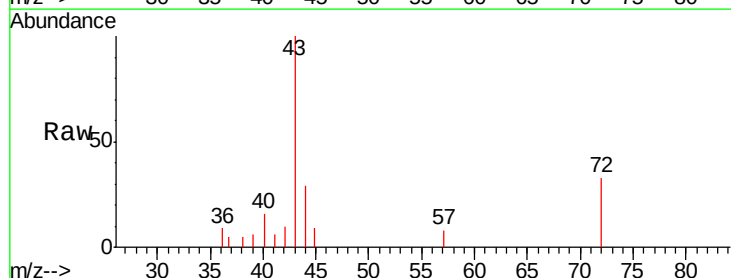
RT: 4.71 min Scan# 583

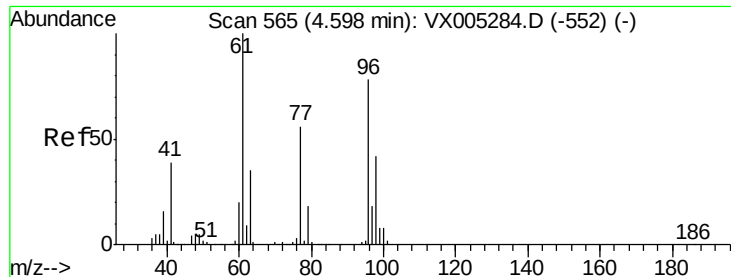
Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	43	Resp:	3027
Ion Ratio	Lower	Upper	
43	100		
72	33.4	22.0	33.0#





#27

cis-1,2-Dichloroethene

Concen: 0.22 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

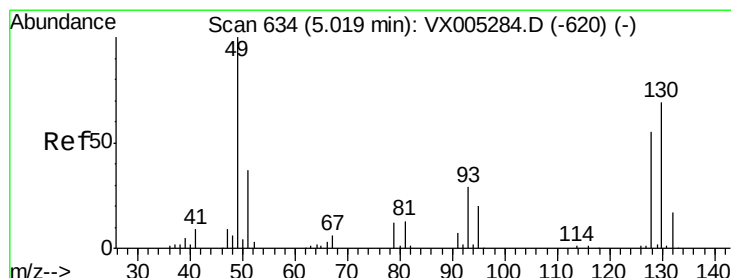
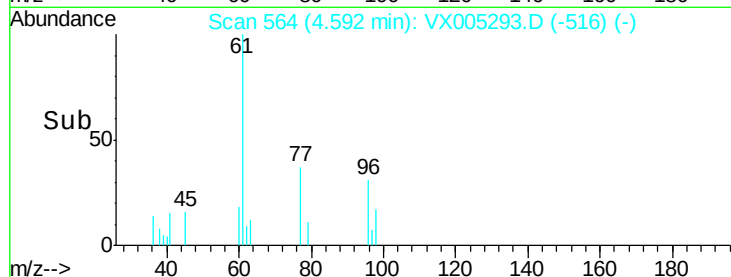
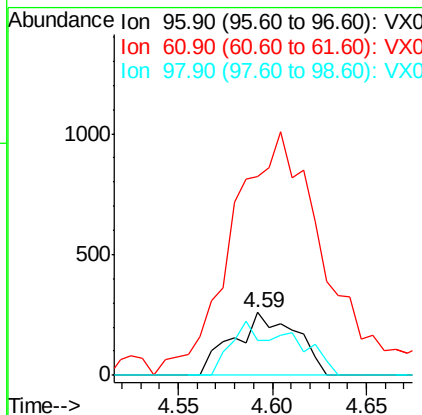
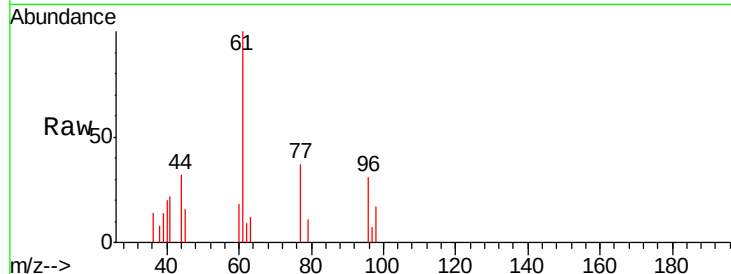
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	96	Resp:	599
Ion	Ratio	Lower	Upper
96	100		
61	565.8	0.0	282.6#
98	45.9	0.0	130.2

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#28

Bromochloromethane

Concen: 0.32 ug/l

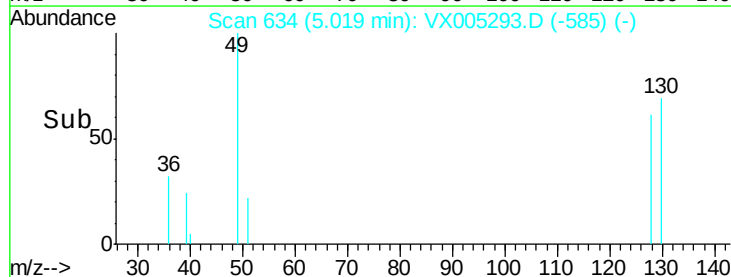
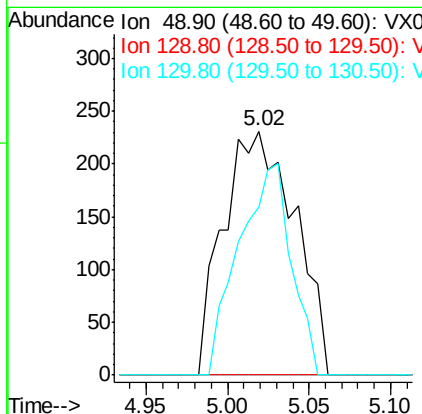
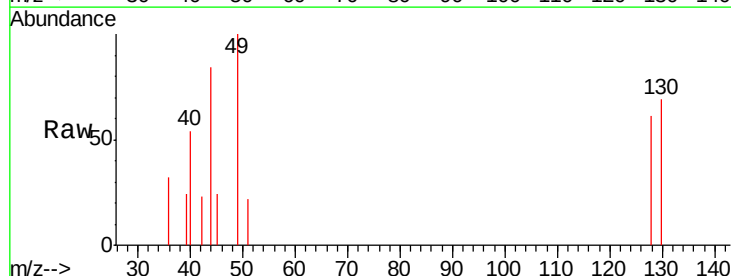
RT: 5.02 min Scan# 634

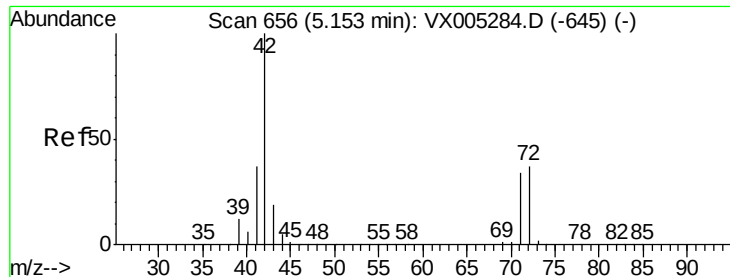
Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	49	Resp:	706
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	63.6	67.5	101.3#





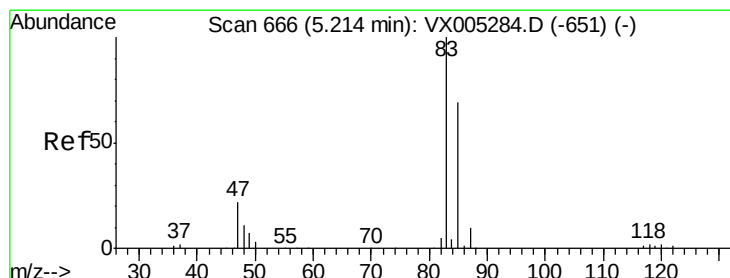
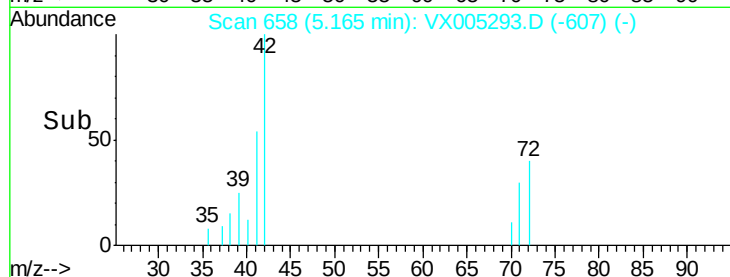
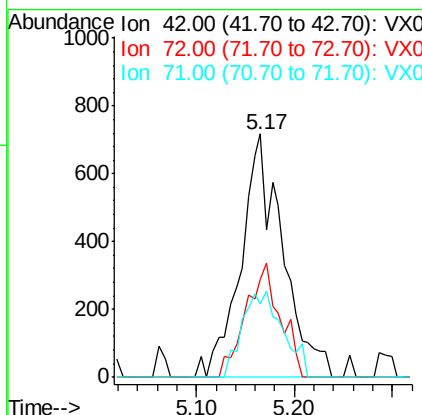
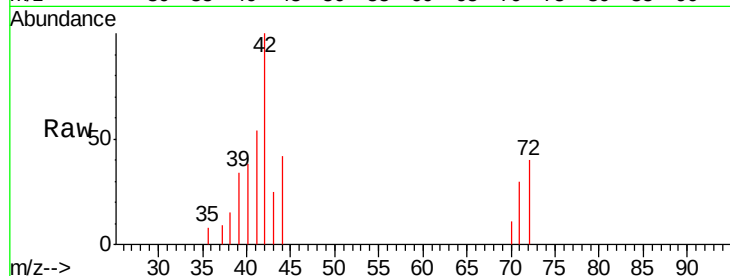
#29
Tetrahydrofuran
Concen: 1.36 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.5	37.4	56.0
71	33.9	34.5	51.7#

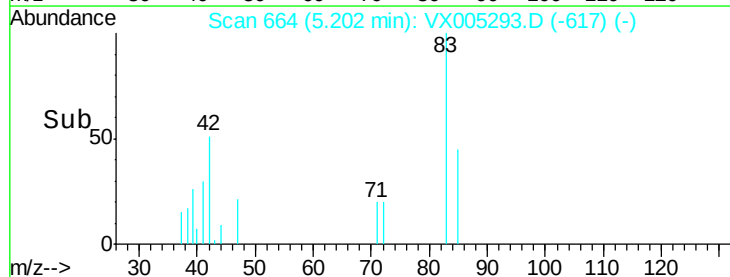
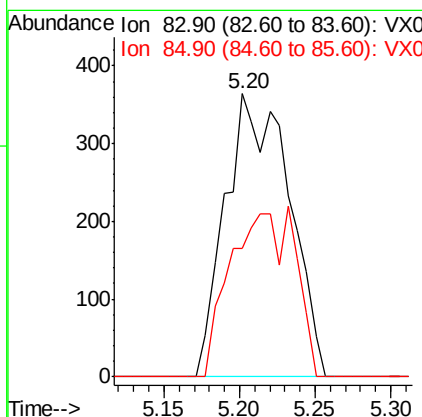
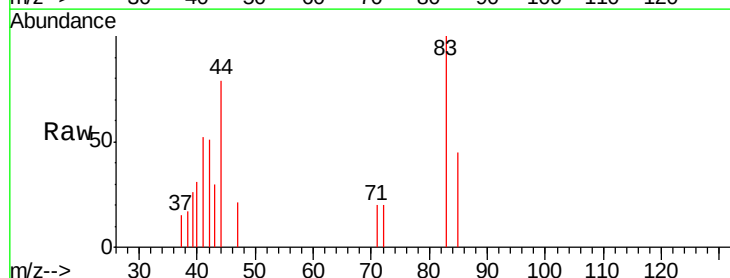
Manual Integrations
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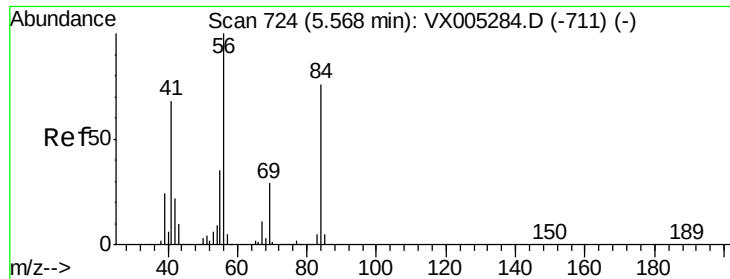
MMDadoda
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#30
Chloroform
Concen: 0.24 ug/l m
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	45.3	52.6	79.0#





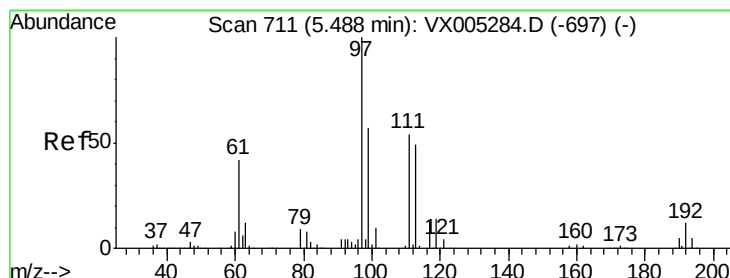
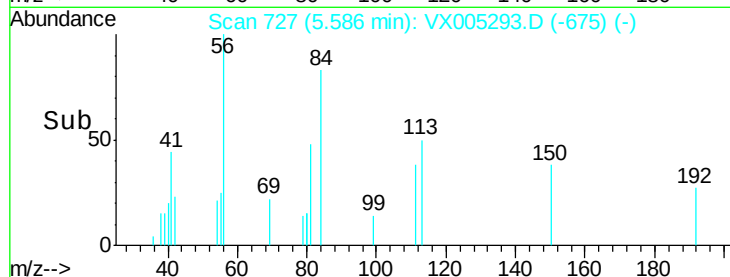
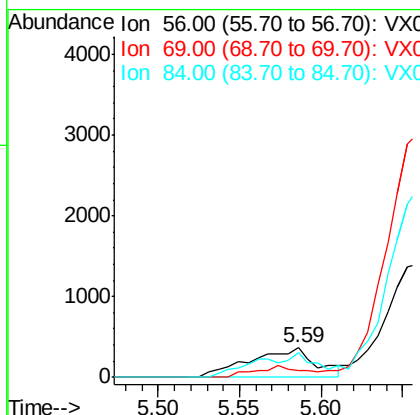
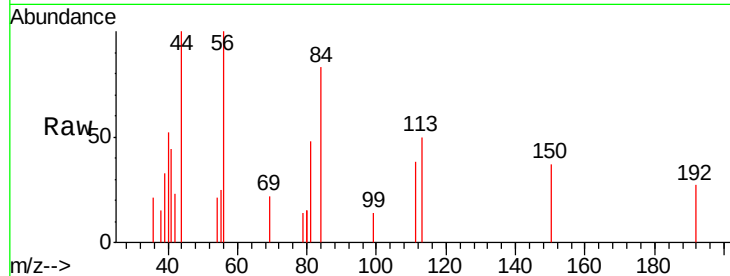
#31
Cyclohexane
Concen: 0.25 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.02 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 56 Resp: 1018
Ion Ratio Lower Upper
56 100
69 22.5 25.4 38.2#
84 82.7 71.4 107.2

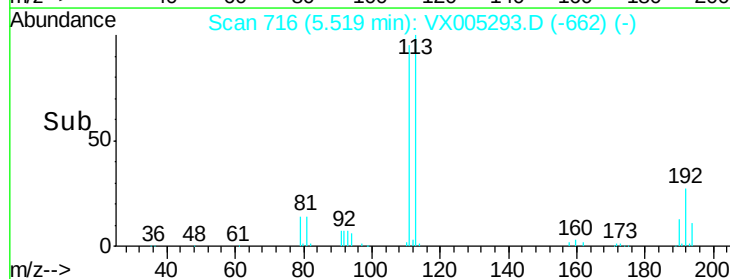
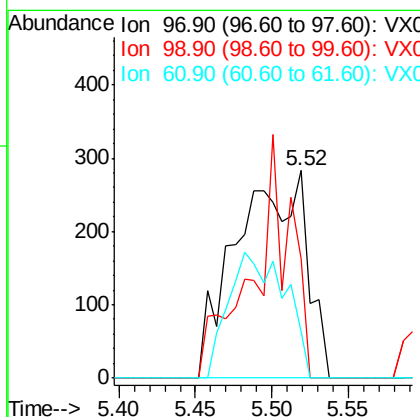
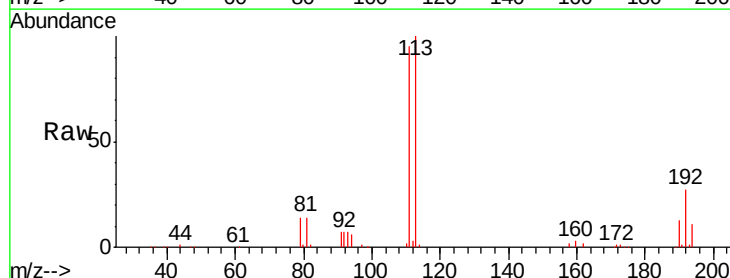
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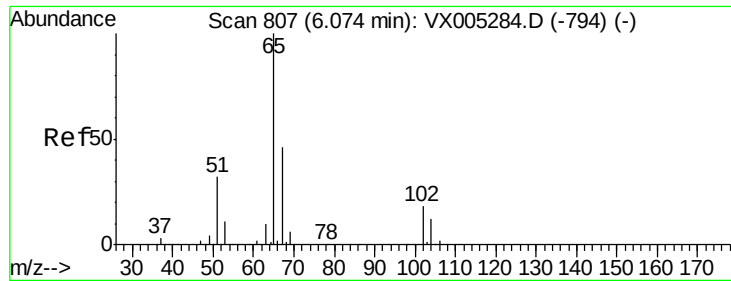
MMDadoda
10/17/2018 9:04:58 AM



#32
1,1,1-Trichloroethane
Concen: 0.23 ug/l
RT: 5.52 min Scan# 716
Delta R.T. 0.03 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 97 Resp: 887
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 0.0 34.9 52.3#





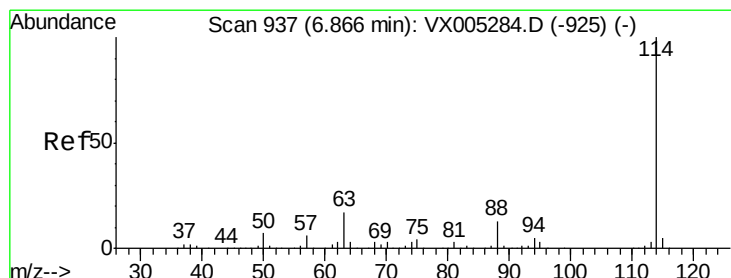
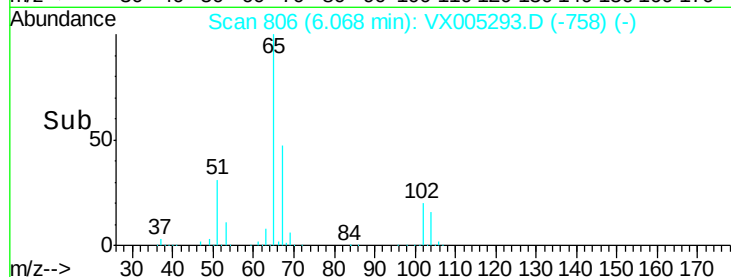
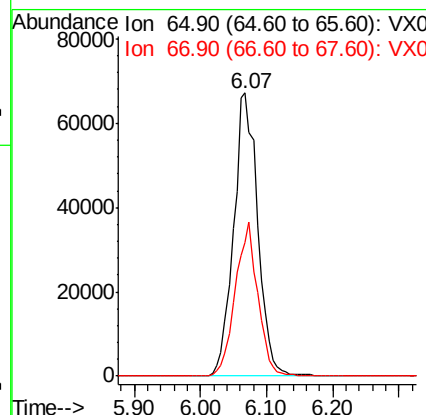
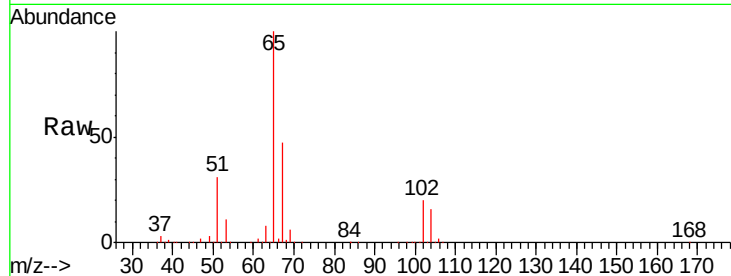
#33
 1,2-Dichloroethane-d4
 Concen: 58.08 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion: 65 Resp: 169502
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 106.8

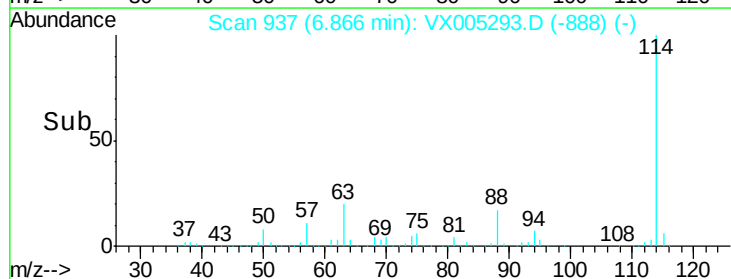
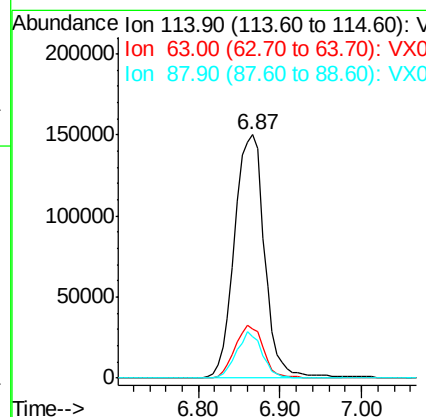
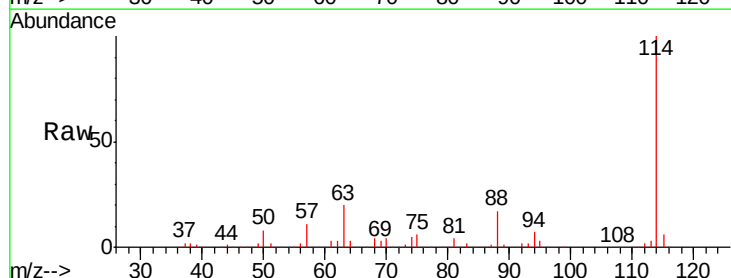
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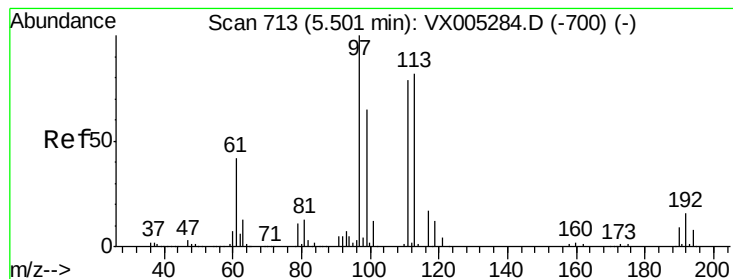
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion: 114 Resp: 381570
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 17.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.28 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

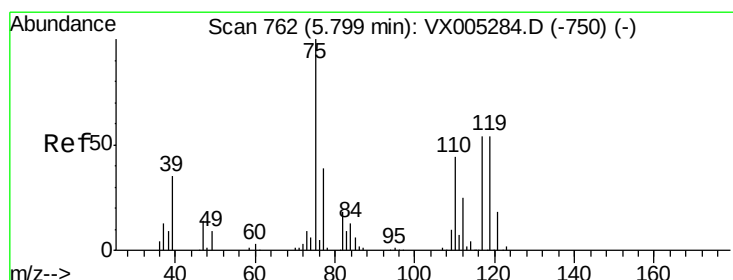
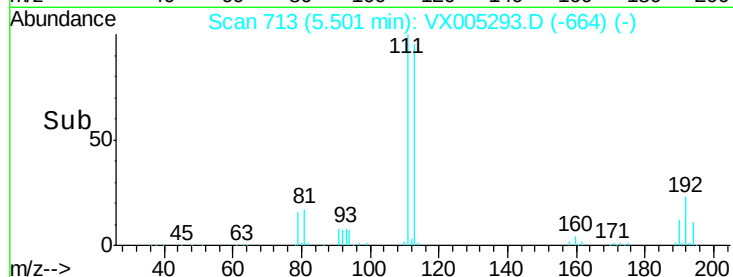
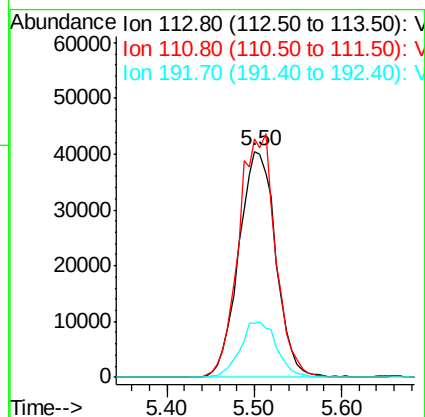
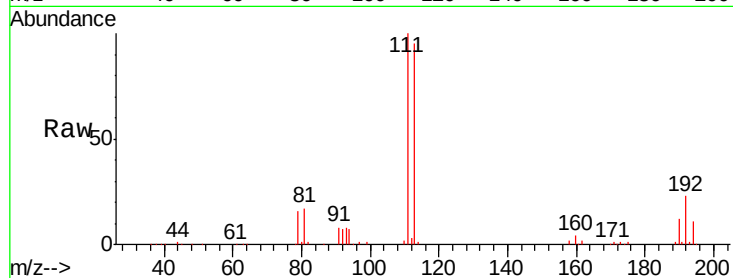
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	113	Resp:	119494
Ion	Ratio	Lower	Upper
113	100		
111	106.9	82.4	123.6
192	24.1	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 0.24 ug/l

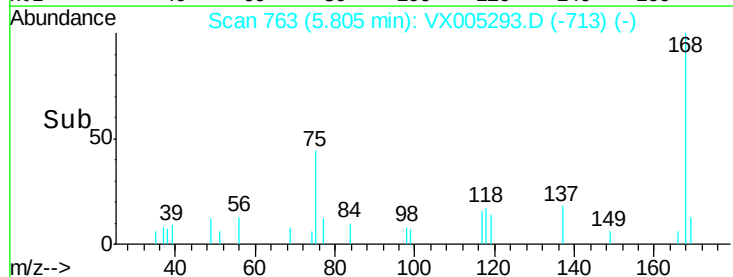
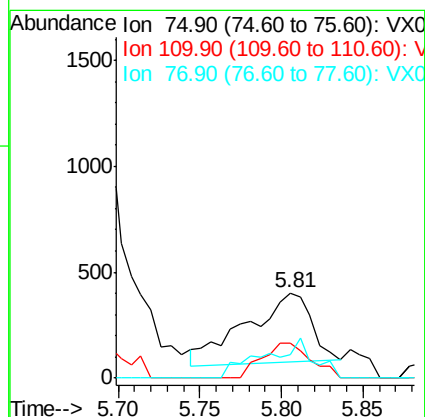
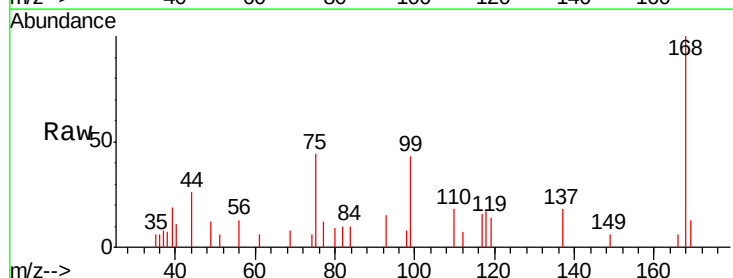
RT: 5.81 min Scan# 763

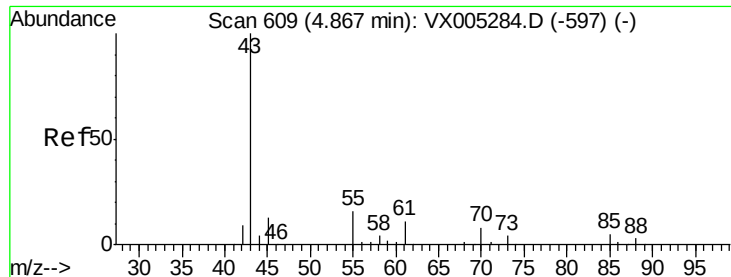
Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	75	Resp:	903
Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.0	54.0
77	44.1	24.6	36.8#





#37

Ethyl Acetate

Concen: 0.21 ug/l

RT: 4.87 min Scan# 609

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

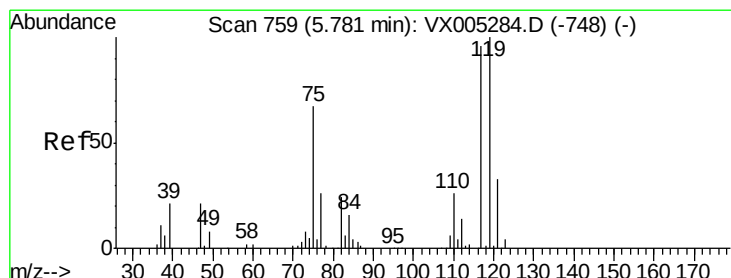
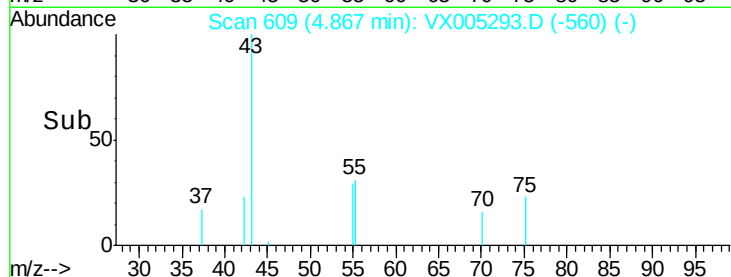
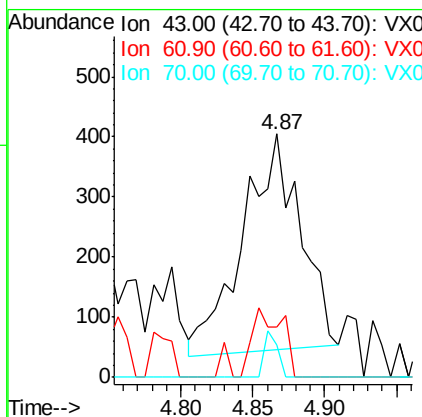
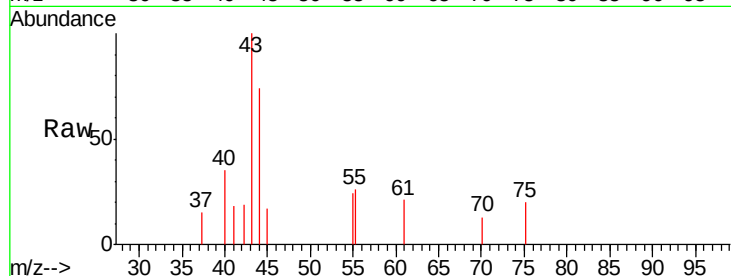
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	43	Resp:	997
Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.5	17.3
70	4.8	9.0	13.6#

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#38

Carbon Tetrachloride

Concen: 0.37 ug/l

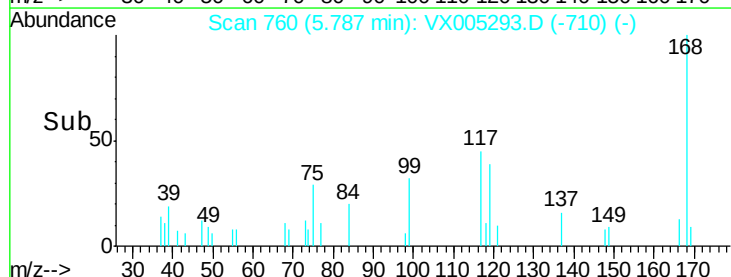
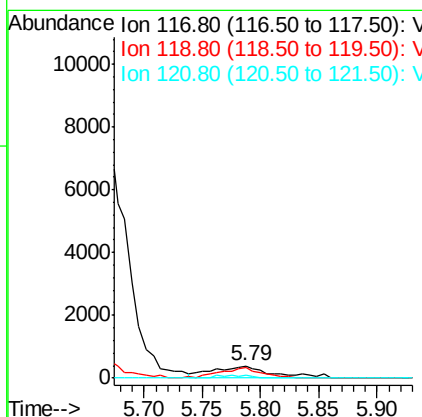
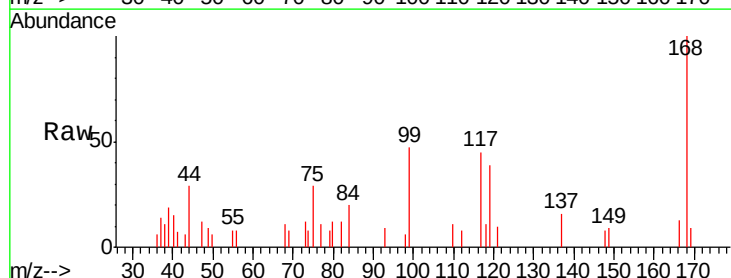
RT: 5.79 min Scan# 760

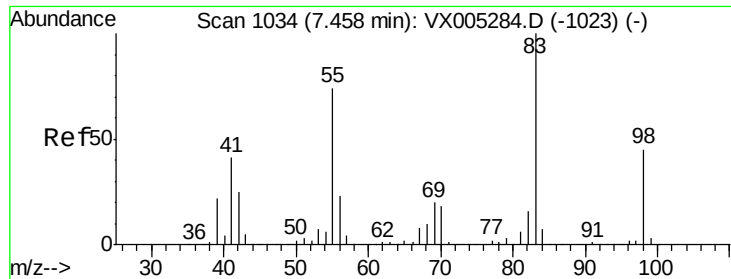
Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	117	Resp:	1384
Ion	Ratio	Lower	Upper
117	100		
119	85.8	78.8	118.2
121	21.2	24.9	37.3#





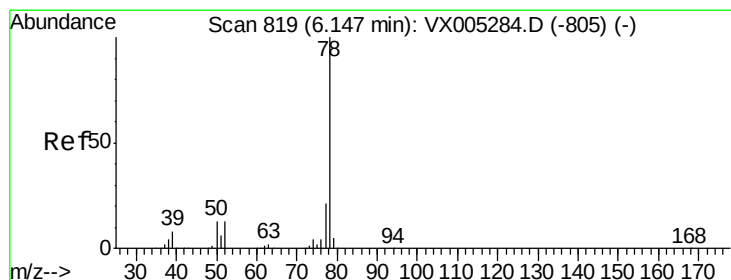
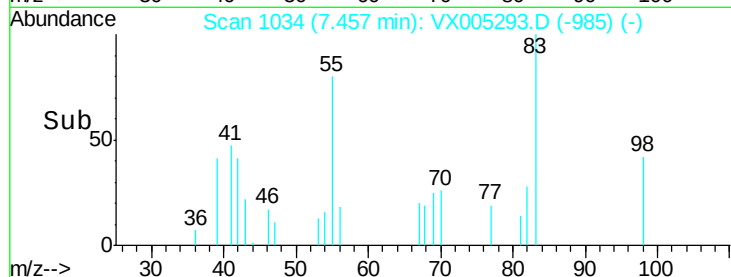
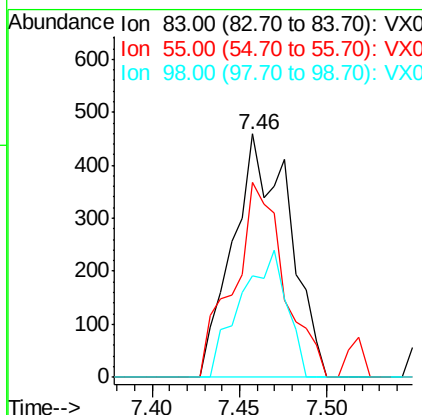
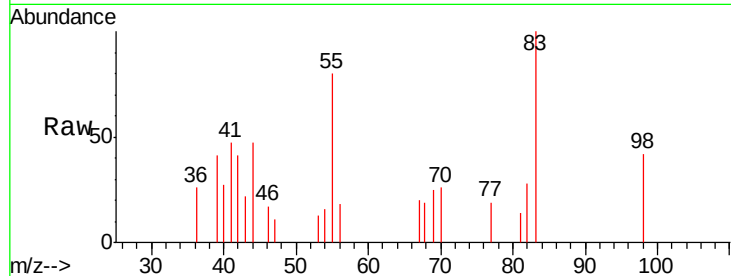
#39
Methylcyclohexane
Concen: 0.26 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.0	91.4
98	41.8	39.6	59.4

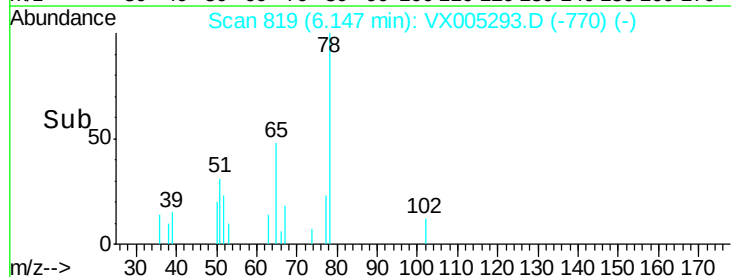
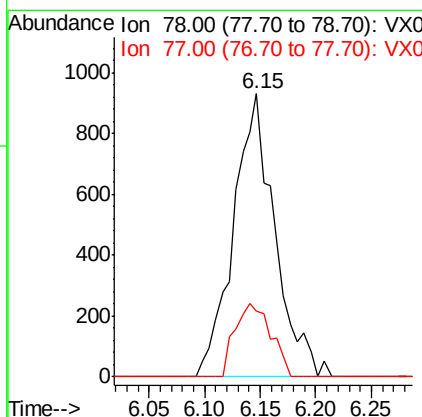
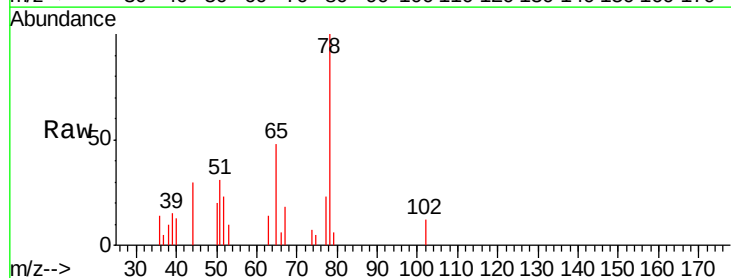
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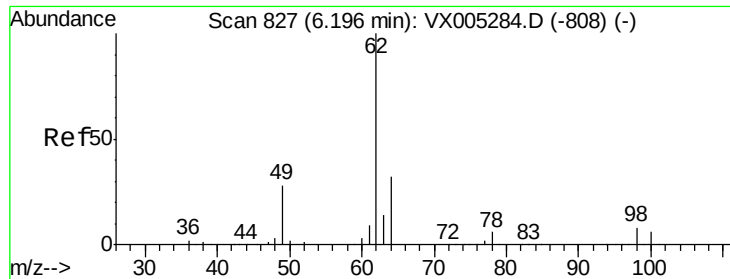
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#40
Benzene
Concen: 0.22 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





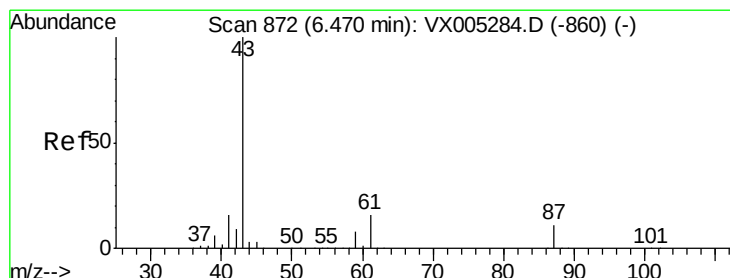
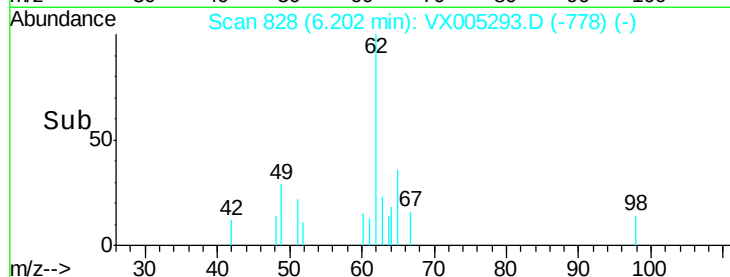
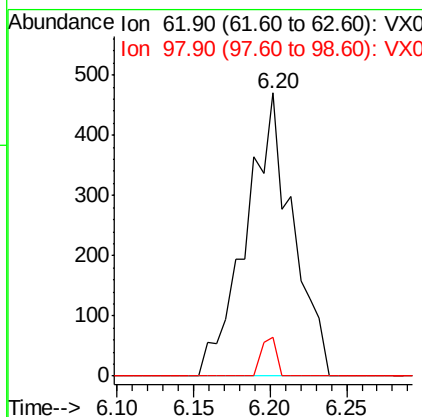
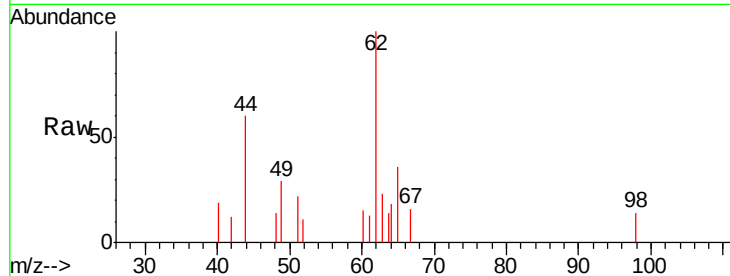
#42
1,2-Dichloroethane
Concen: 0.25 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	20.6

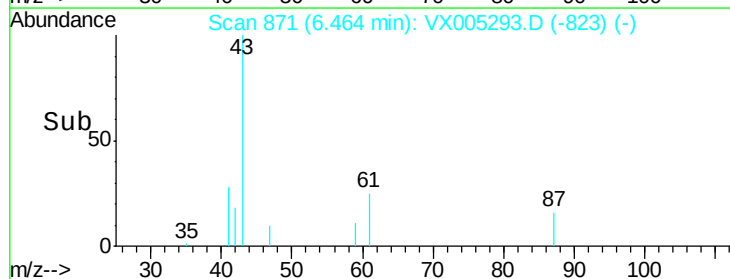
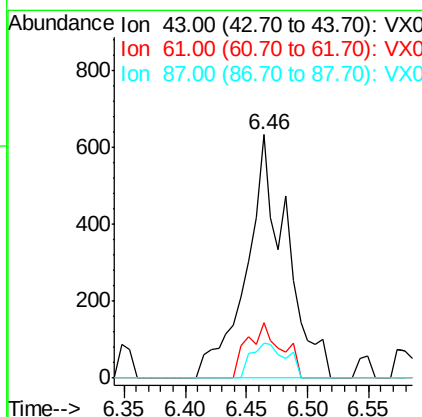
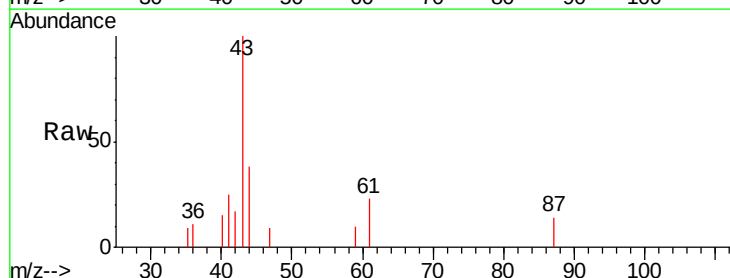
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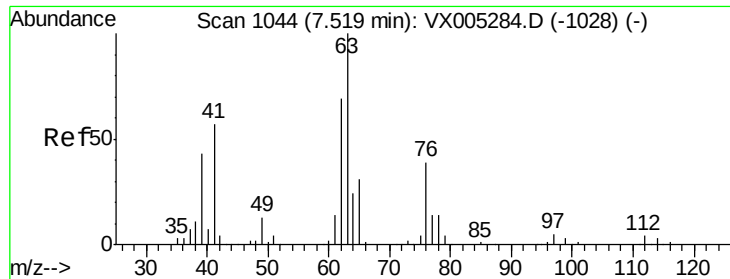
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#43
Isopropyl Acetate
Concen: 0.23 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	17.0	25.4
87	12.5	11.4	17.2





#45

1,2-Dichloropropane

Concen: 0.20 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 63 Resp: 549

Ion Ratio Lower Upper

63 100

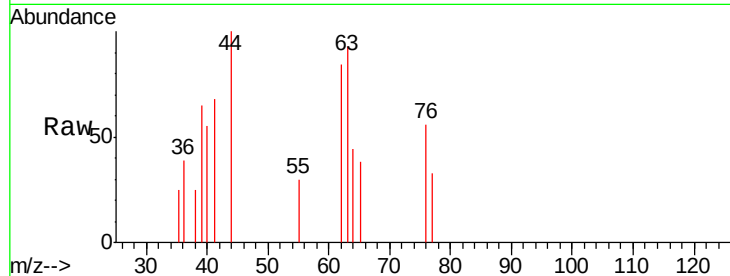
65 40.6 24.3 36.5#

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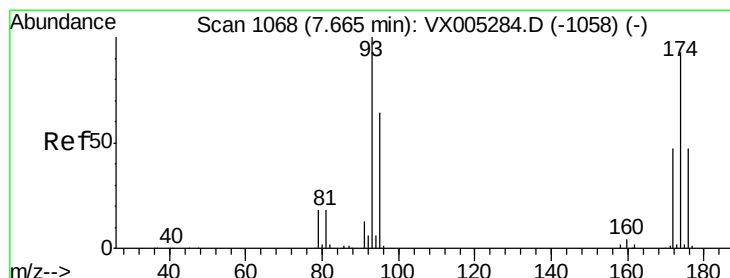
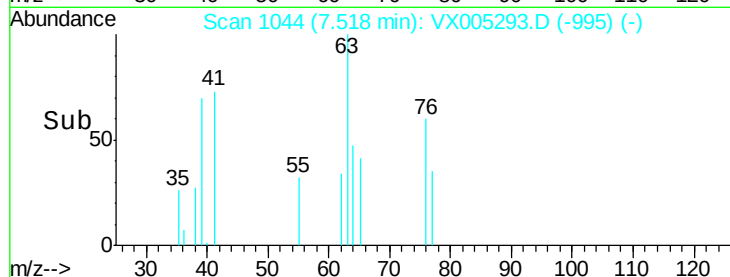
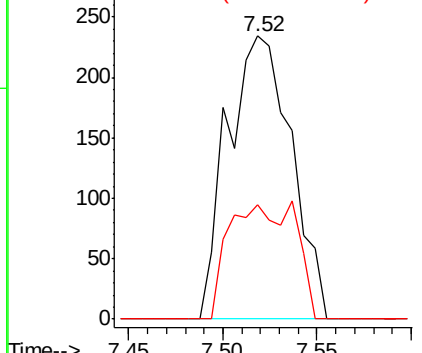
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 0.24 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

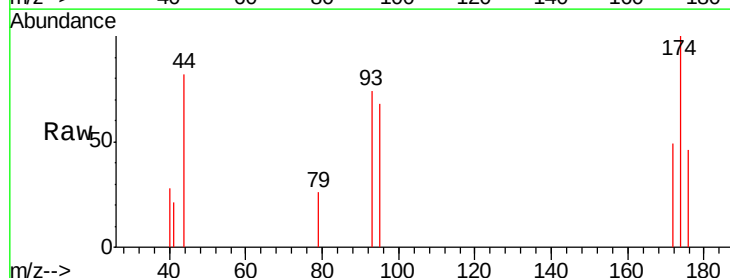
Tgt Ion: 93 Resp: 438

Ion Ratio Lower Upper

93 100

95 87.0 65.5 98.3

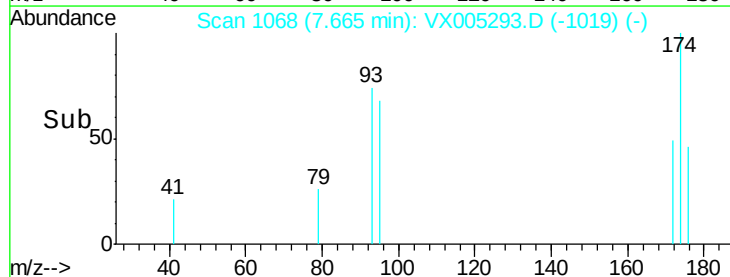
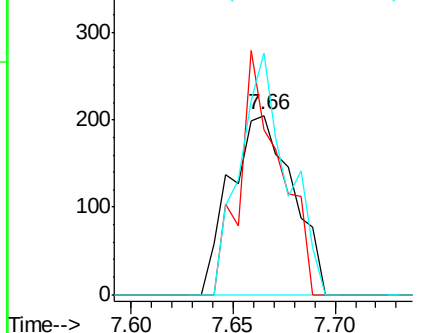
174 101.8 94.2 141.4

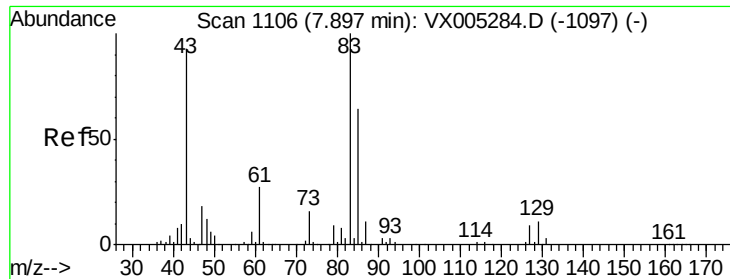


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.21 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

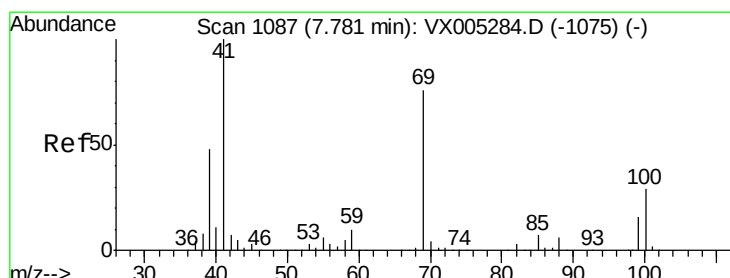
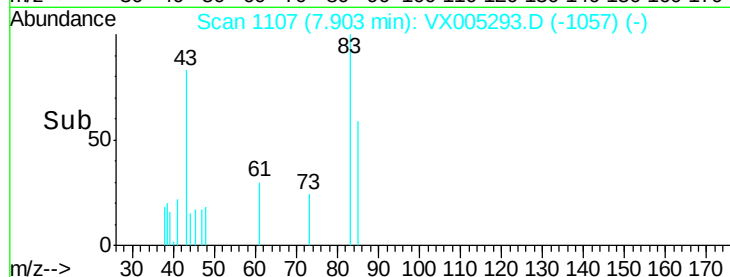
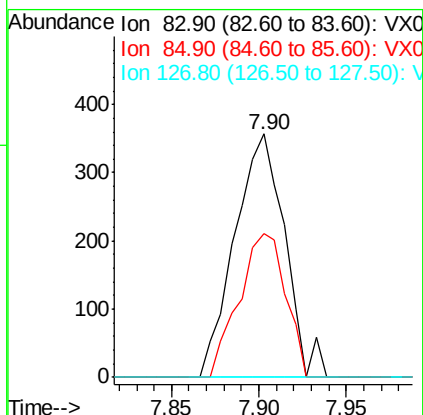
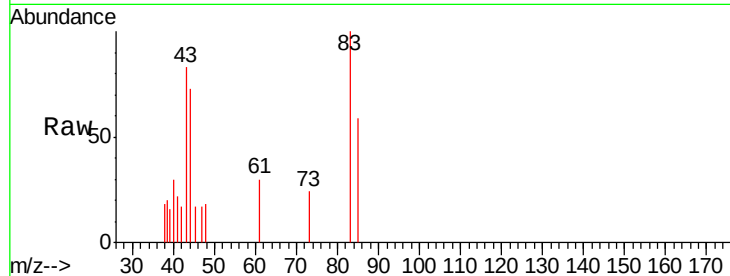
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	83	Resp:	707
Ion	Ratio	Lower	Upper
83	100		
85	59.1	50.9	76.3
127	0.0	7.3	10.9#

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#48

Methyl methacrylate

Concen: 0.20 ug/l

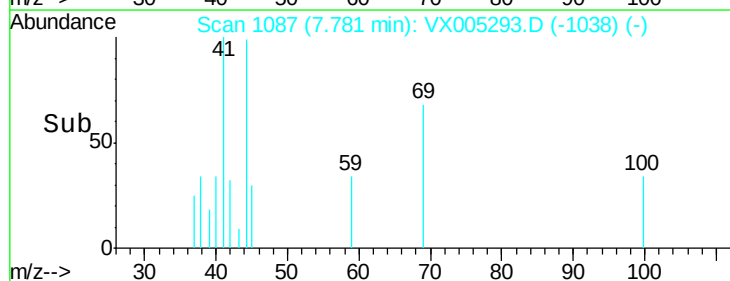
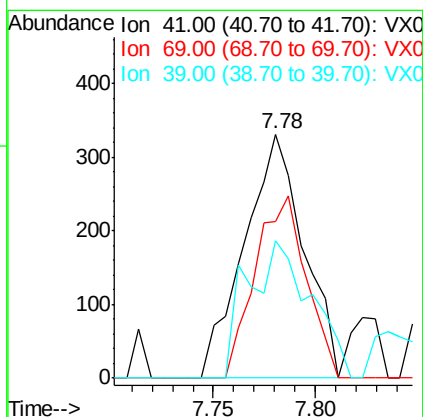
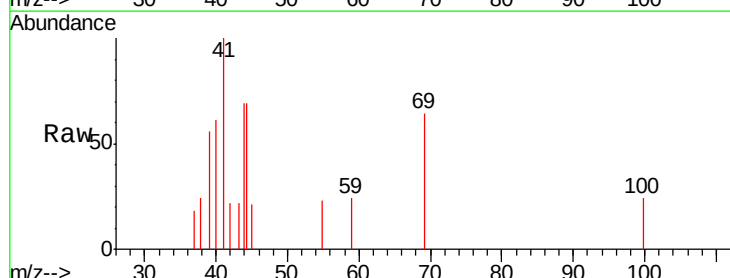
RT: 7.78 min Scan# 1087

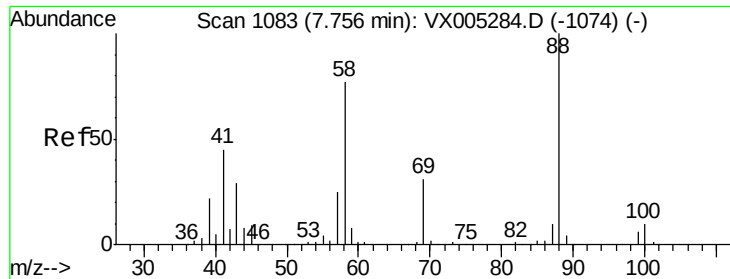
Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	41	Resp:	670
Ion	Ratio	Lower	Upper
41	100		
69	64.2	70.2	105.4#
39	59.9	42.7	64.1





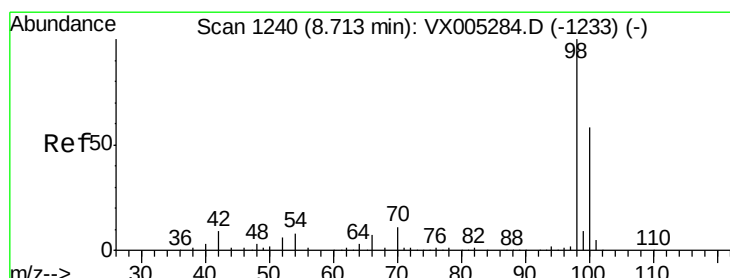
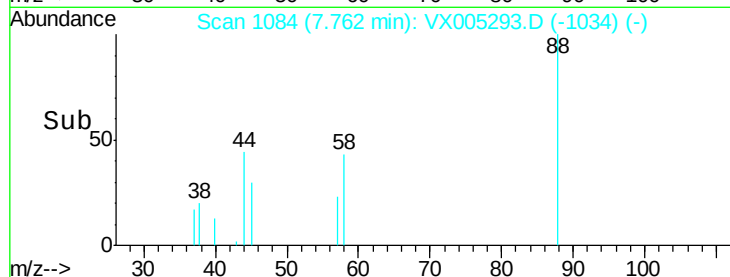
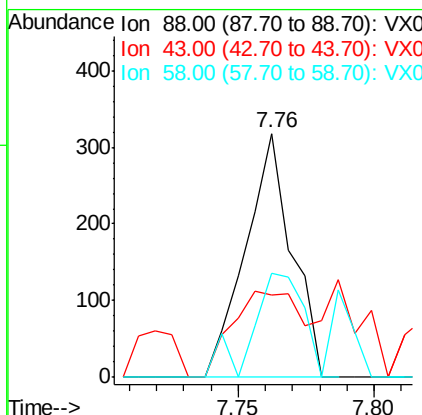
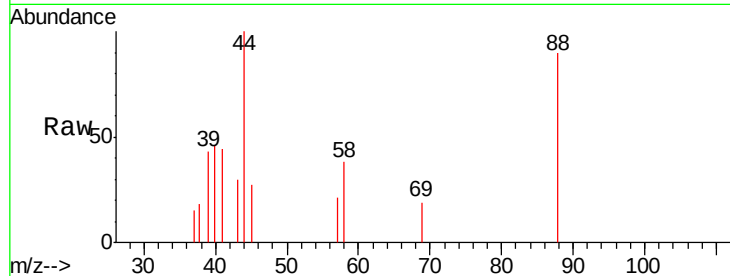
#49
1,4-Dioxane
Concen: 4.95 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 88 Resp: 375
Ion Ratio Lower Upper
88 100
43 51.5 24.7 37.1#
58 46.9 55.3 82.9#

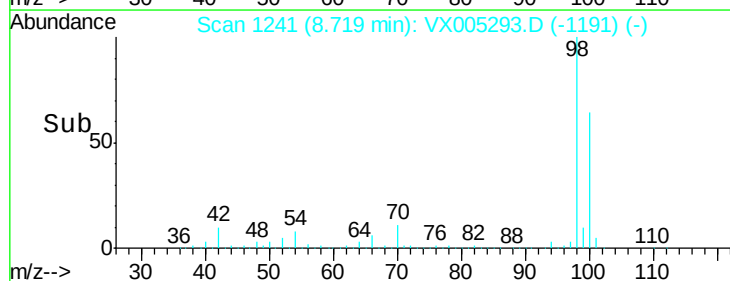
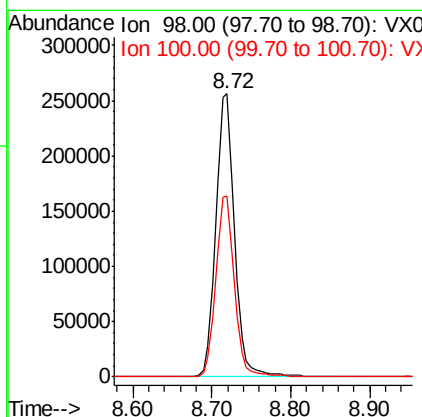
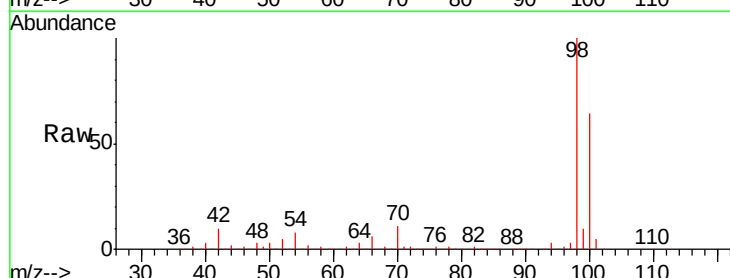
Manual Integrations
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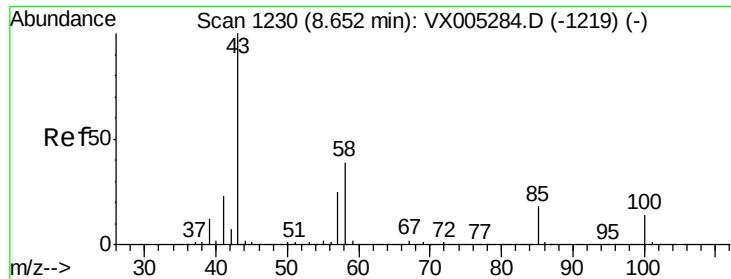
MMDadoda
10/17/2018 9:04:58 AM



#50
Toluene-d8
Concen: 49.01 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 98 Resp: 425239
Ion Ratio Lower Upper
98 100
100 63.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.80 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 43 Resp: 3494

Ion Ratio Lower Upper

43 100

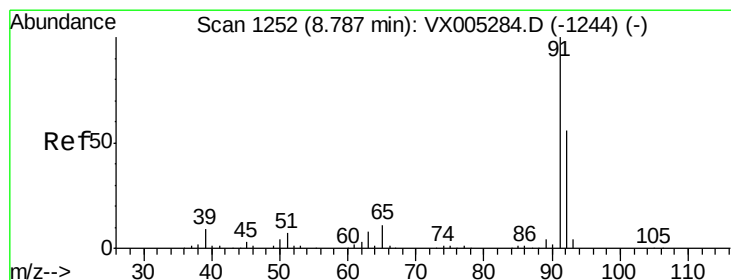
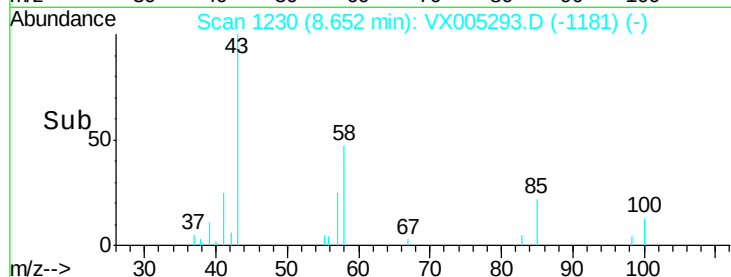
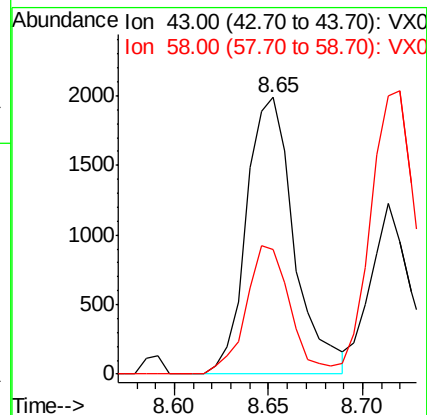
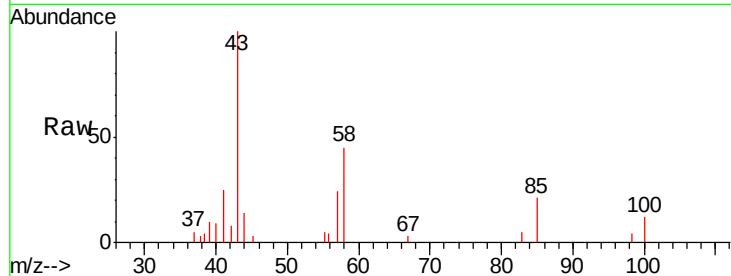
58 42.8 33.1 49.7

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#52

Toluene

Concen: 0.23 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005293.D

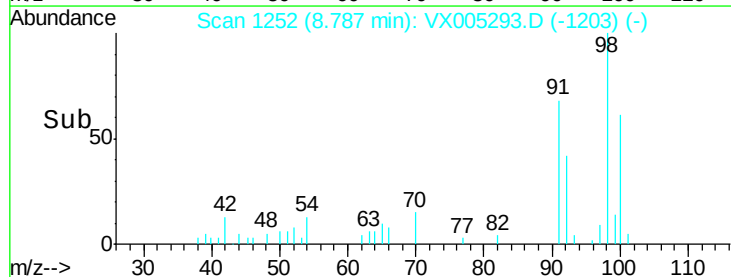
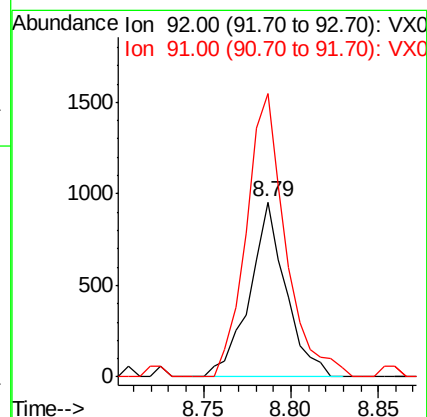
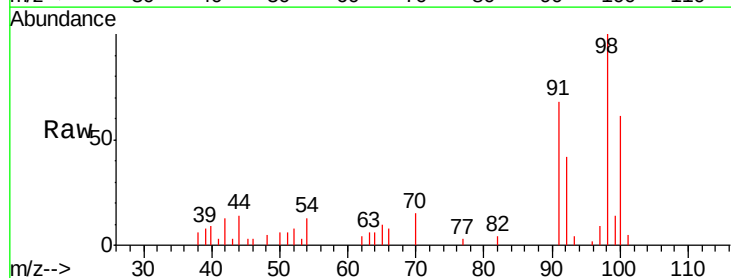
Acq: 12 Oct 2018 15:11

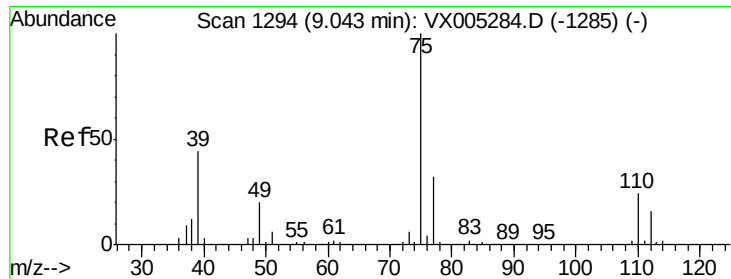
Tgt Ion: 92 Resp: 1376

Ion Ratio Lower Upper

92 100

91 174.9 136.4 204.6





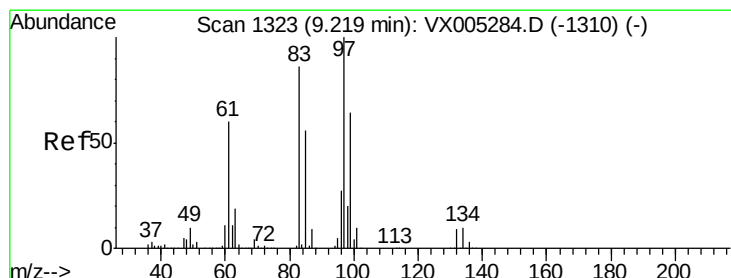
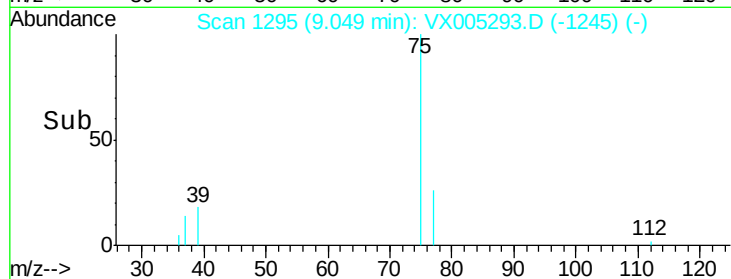
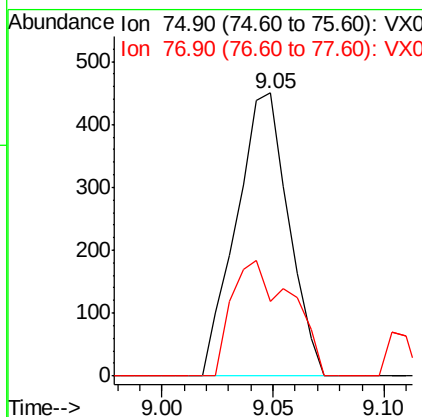
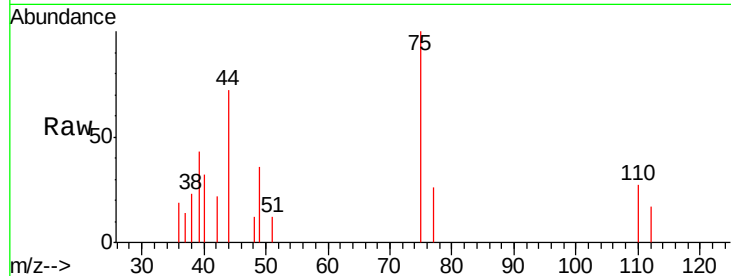
#53
t-1,3-Dichloropropene
Concen: 0.20 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 75 Resp: 735
Ion Ratio Lower Upper
75 100
77 26.4 24.6 37.0

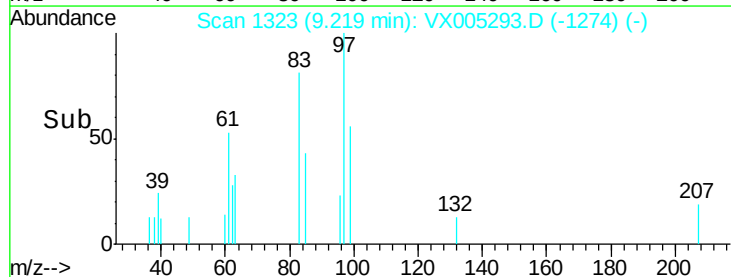
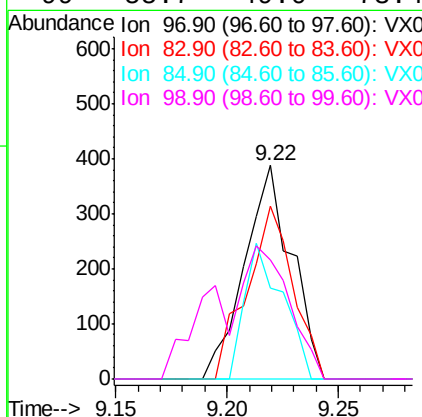
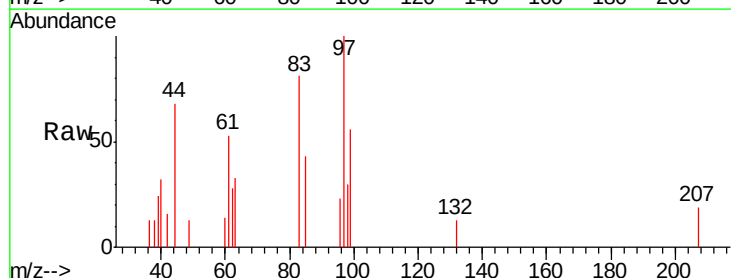
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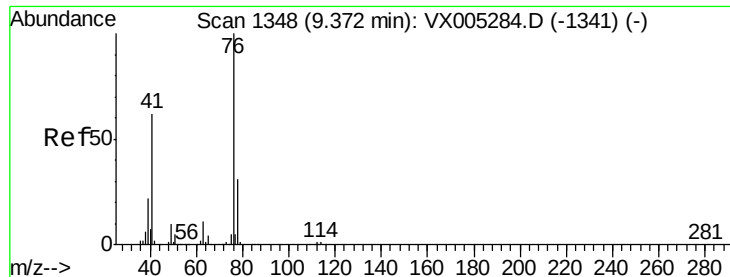
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#55
1,1,2-Trichloroethane
Concen: 0.22 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 97 Resp: 568
Ion Ratio Lower Upper
97 100
83 80.9 66.4 99.6
85 42.5 43.3 64.9#
99 55.7 49.0 73.4





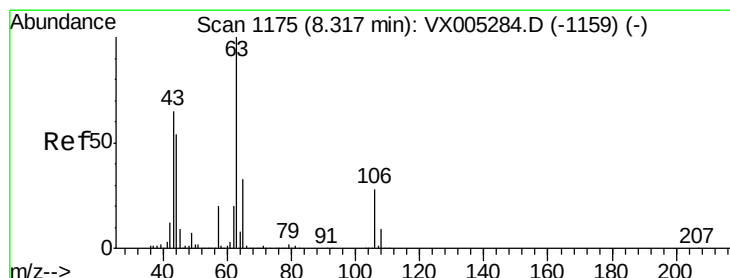
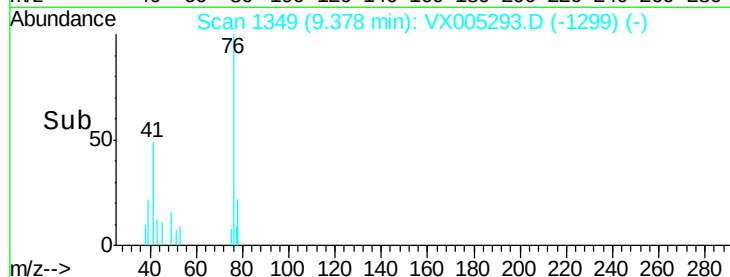
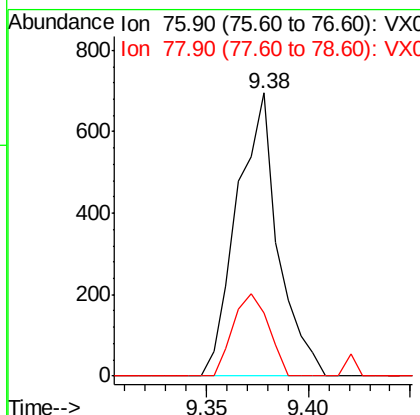
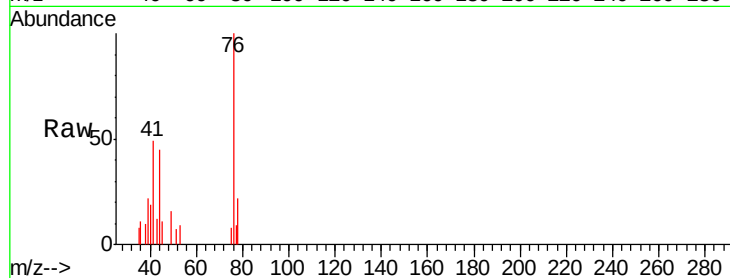
#57
 1,3-Dichloropropane
 Concen: 0.23 ug/l
 RT: 9.38 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion: 76 Resp: 976
 Ion Ratio Lower Upper
 76 100
 78 25.0 25.5 38.3#

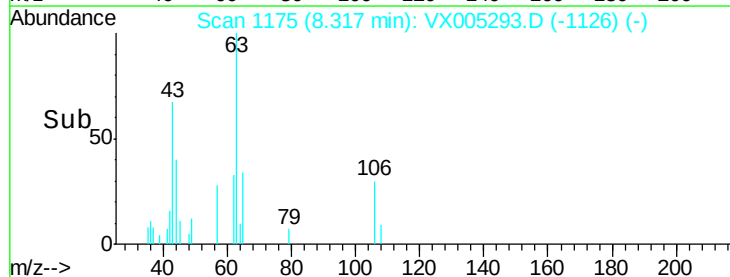
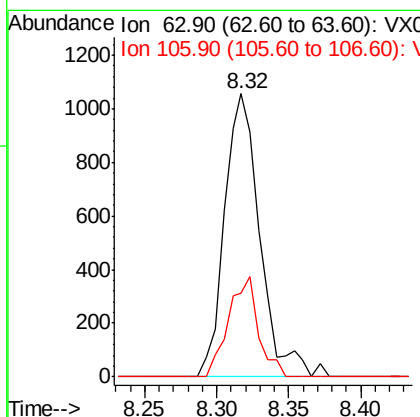
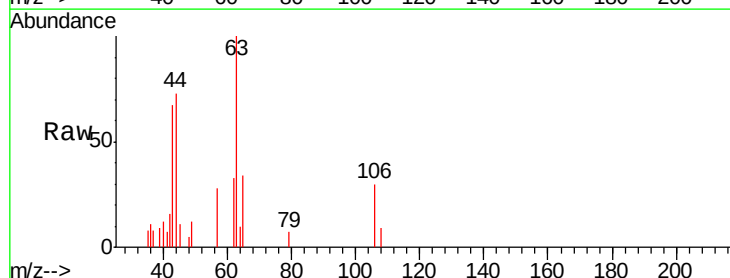
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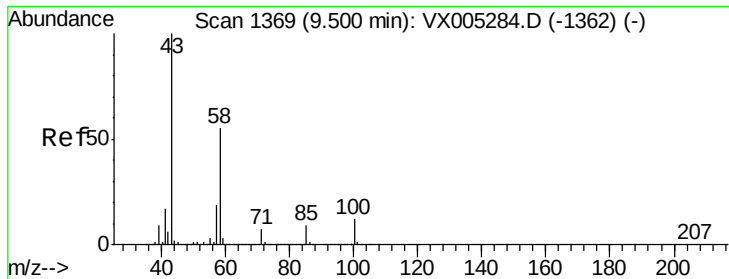
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#58
 2-Chloroethyl Vinyl ether
 Concen: 0.87 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion: 63 Resp: 1824
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.9 35.9





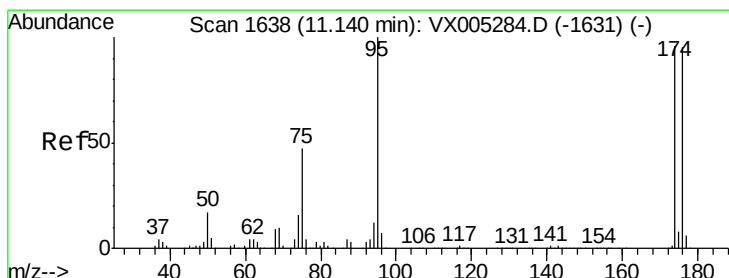
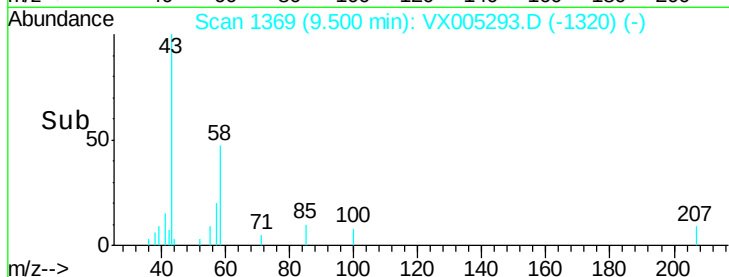
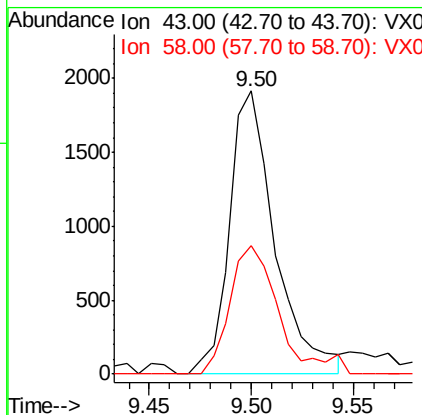
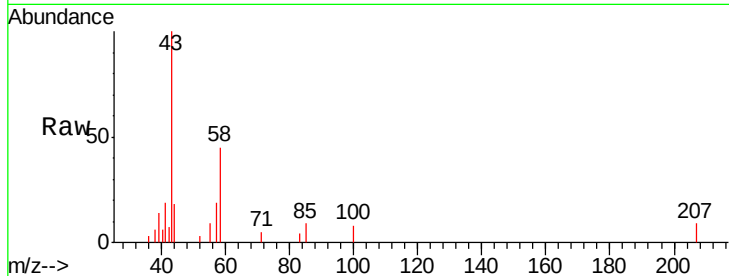
#59
2-Hexanone
Concen: 0.84 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 43 Resp: 2952
Ion Ratio Lower Upper
43 100
58 49.1 29.0 87.0

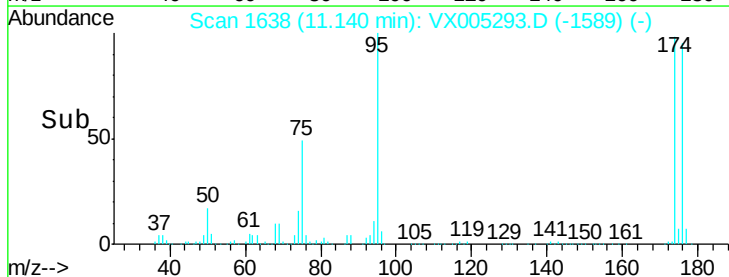
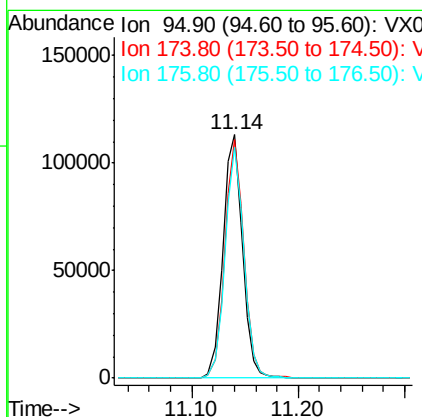
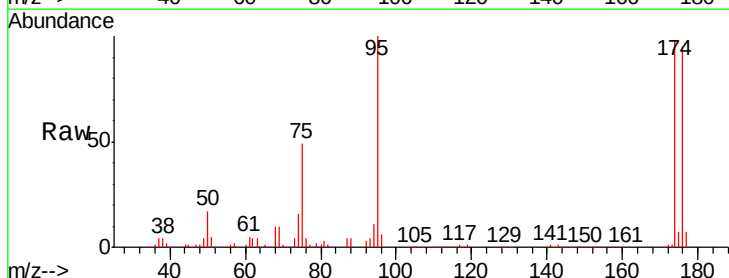
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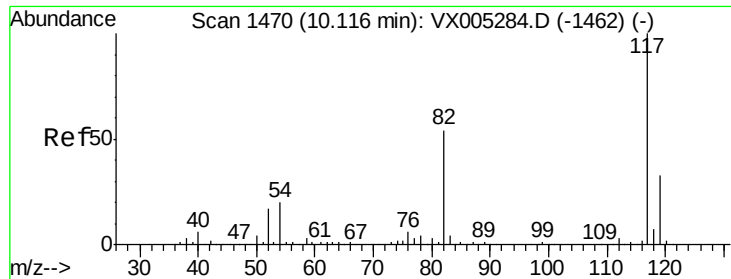
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#62
4-Bromofluorobenzene
Concen: 44.58 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 95 Resp: 145304
Ion Ratio Lower Upper
95 100
174 95.7 0.0 185.2
176 92.2 0.0 178.6





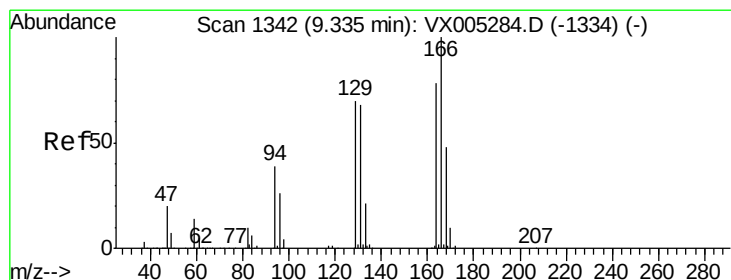
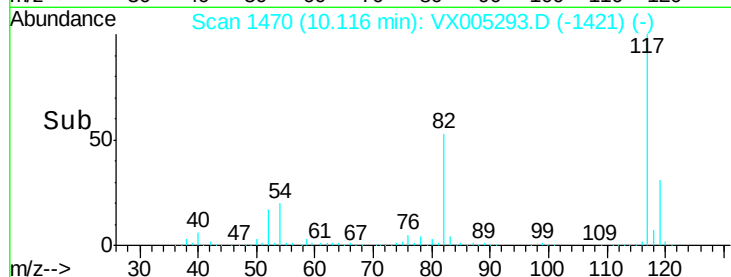
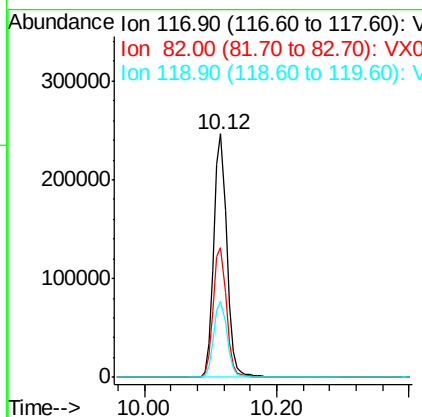
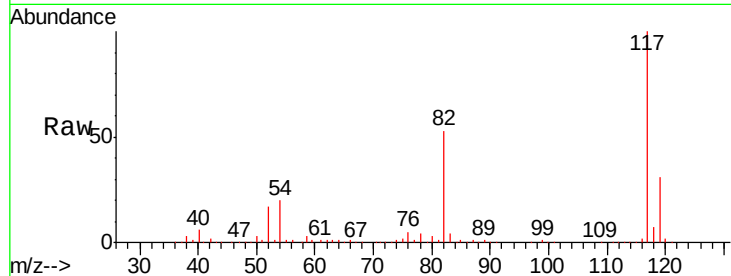
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:117 Resp: 333484
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 31.3 29.3 43.9

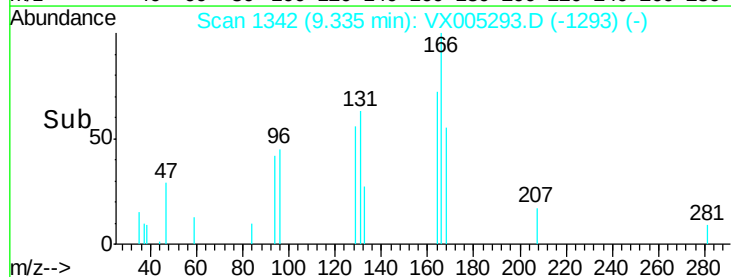
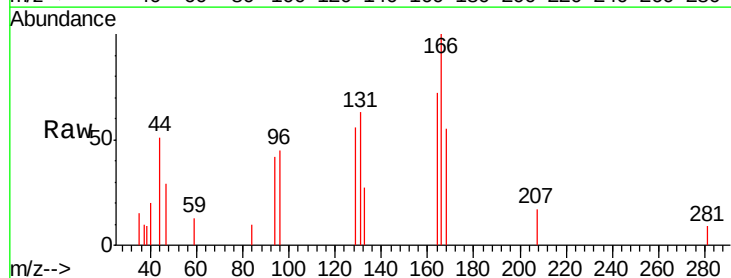
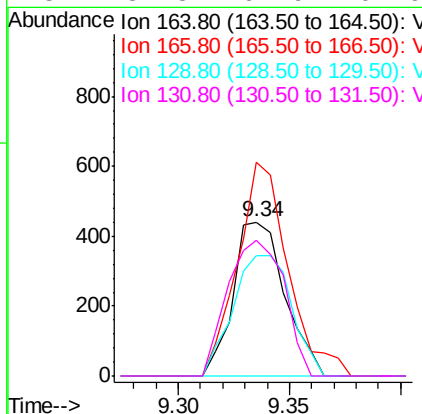
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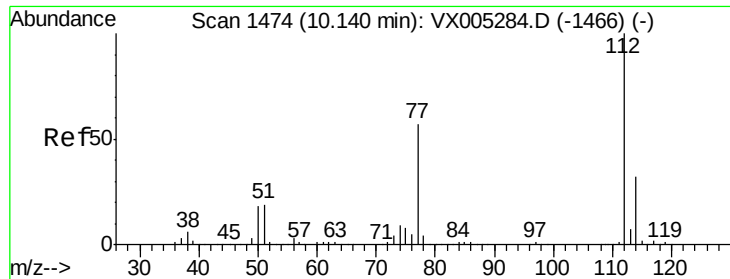
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#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion:164 Resp: 716
Ion Ratio Lower Upper
164 100
166 138.5 102.8 154.2
129 78.0 69.4 104.0
131 87.8 67.9 101.9





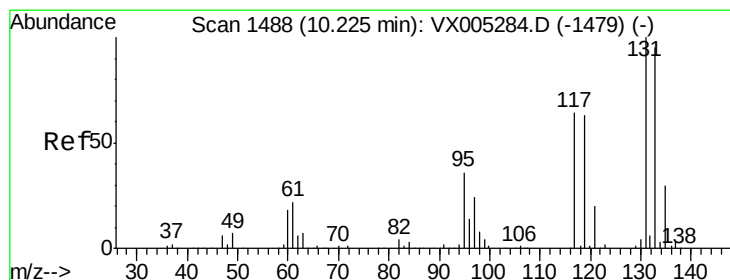
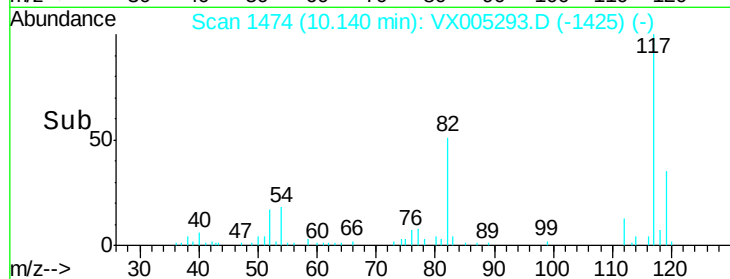
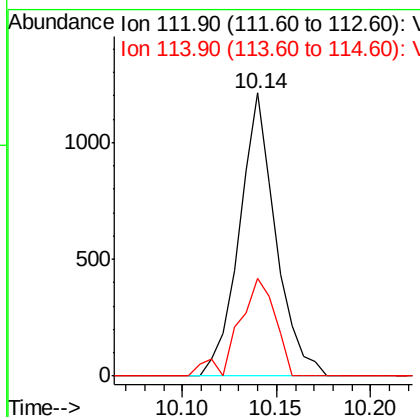
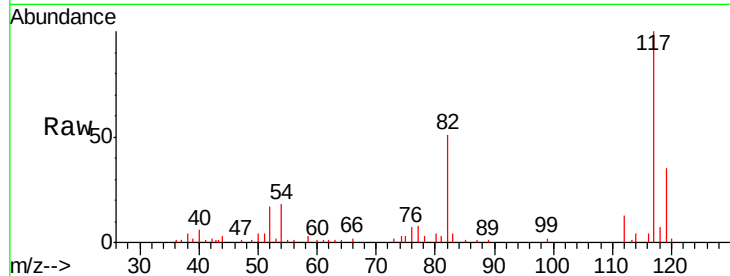
#65
Chlorobenzene
Concen: 0.23 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:112 Resp: 1619
Ion Ratio Lower Upper
112 100
114 34.7 27.8 41.8

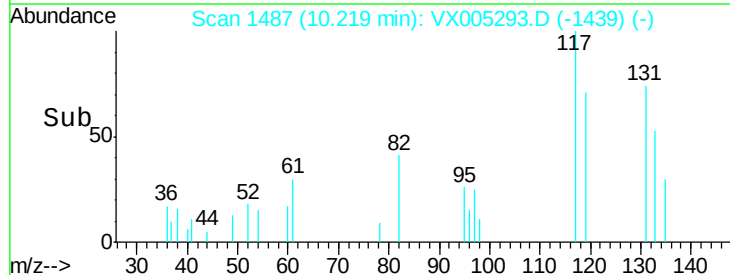
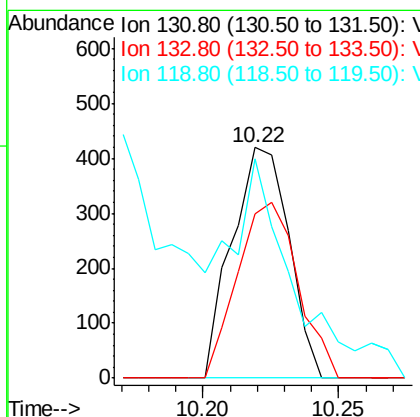
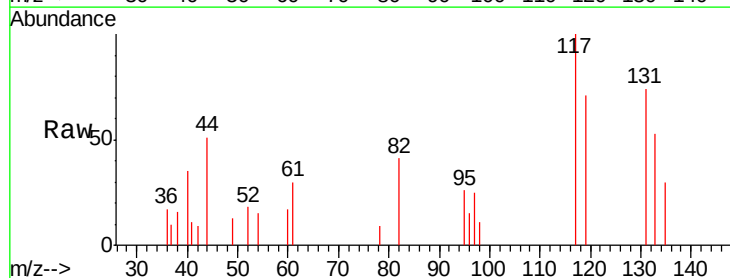
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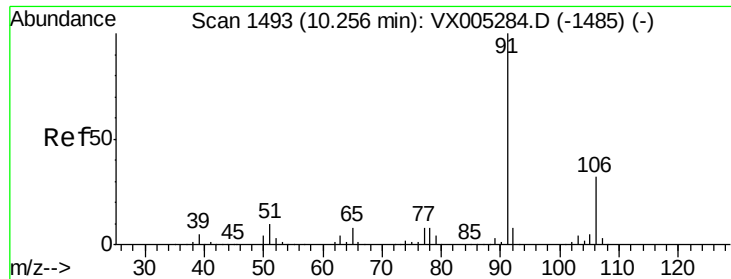
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.24 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion:131 Resp: 608
Ion Ratio Lower Upper
131 100
133 81.3 48.1 144.4
119 0.0 32.9 98.6#





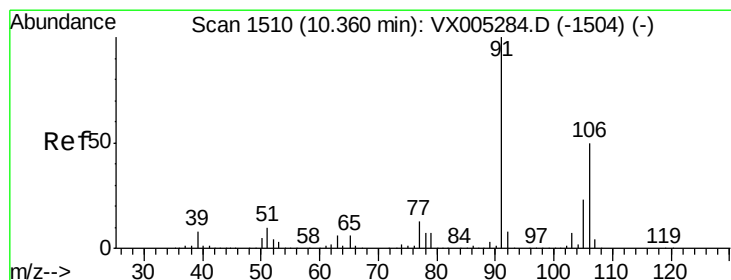
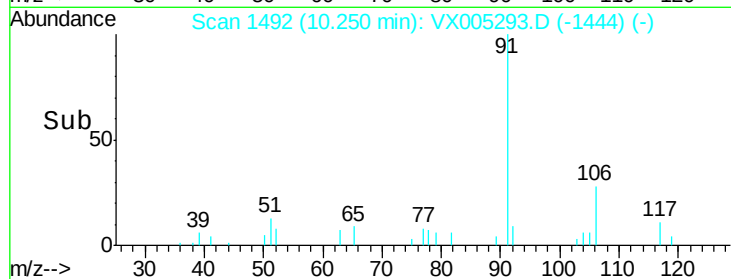
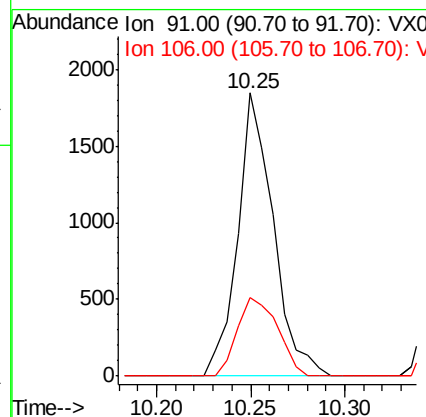
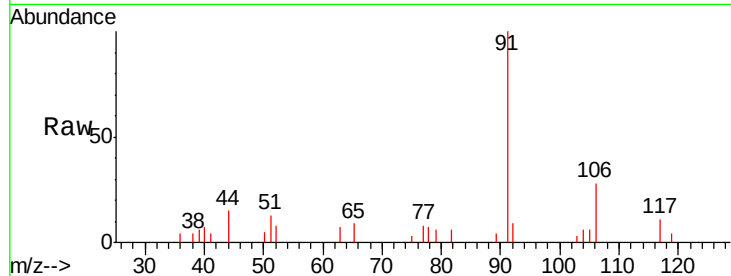
#67
Ethyl Benzene
Concen: 0.21 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 91 Resp: 2419
Ion Ratio Lower Upper
91 100
106 27.9 25.9 38.9

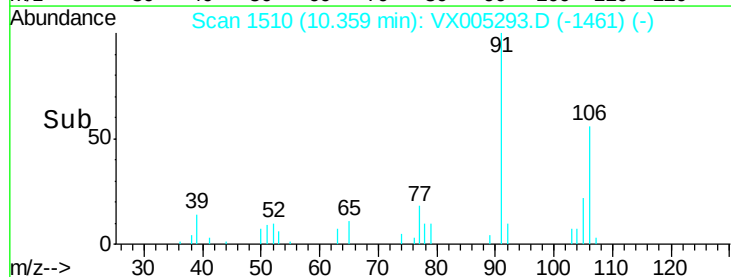
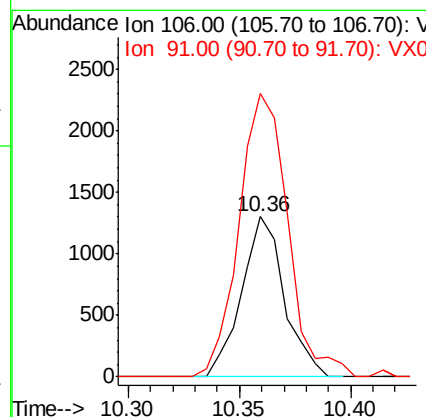
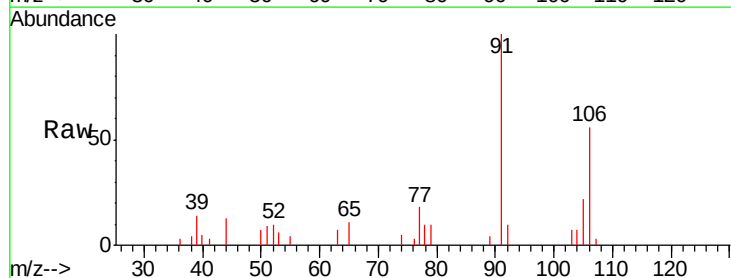
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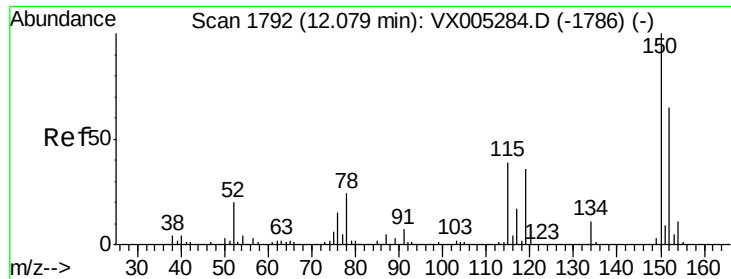
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#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion: 106 Resp: 1746
Ion Ratio Lower Upper
106 100
91 201.7 157.1 235.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

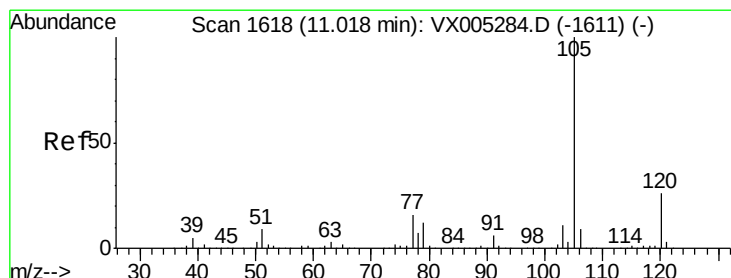
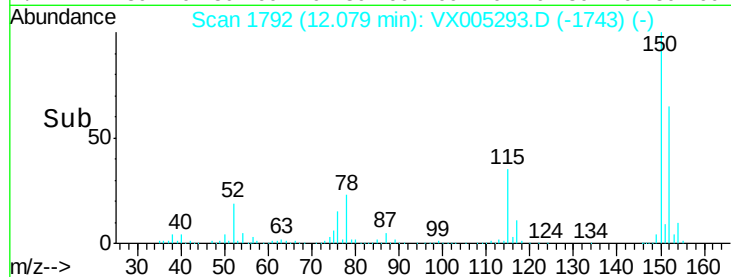
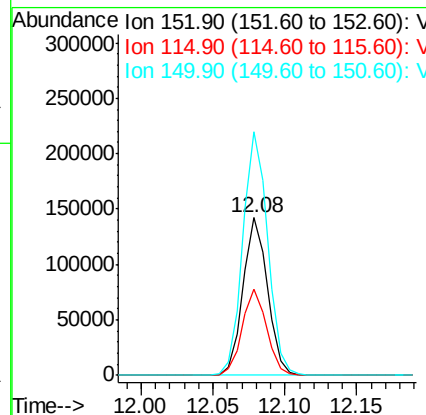
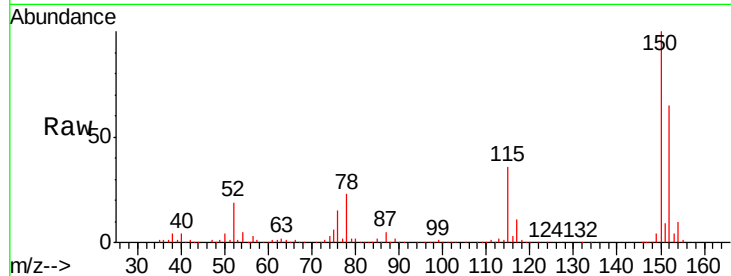
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	169181		
115	54.8	39.0	117.0	
150	156.7	0.0	351.0	

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#73

Isopropylbenzene

Concen: 0.21 ug/l

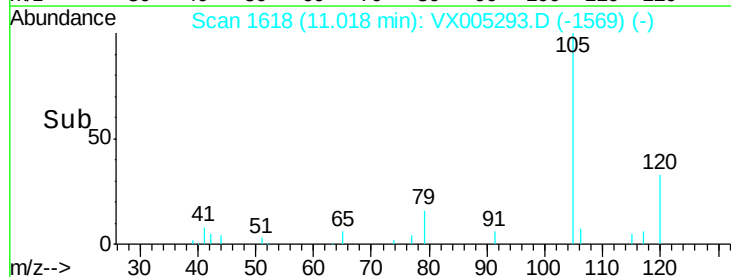
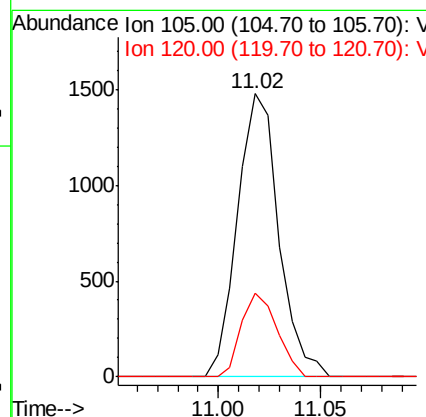
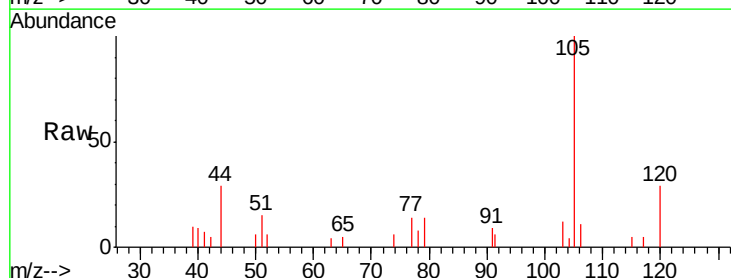
RT: 11.02 min Scan# 1618

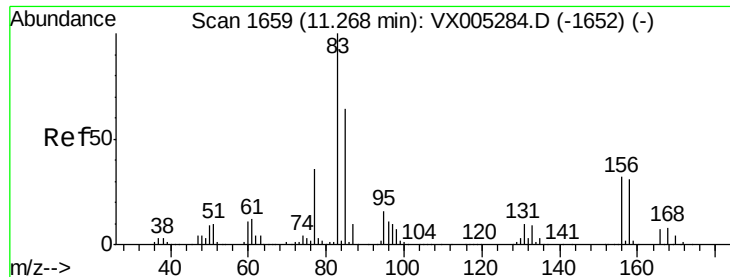
Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2074		
120	25.6	13.5	40.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 0.23 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

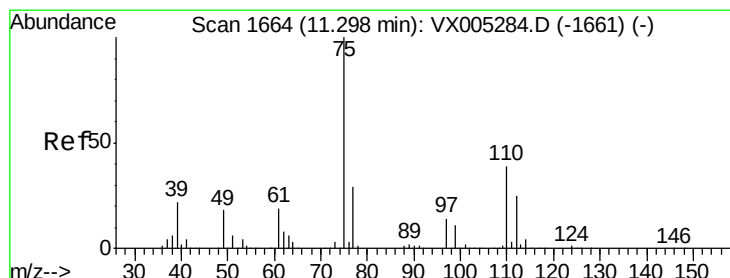
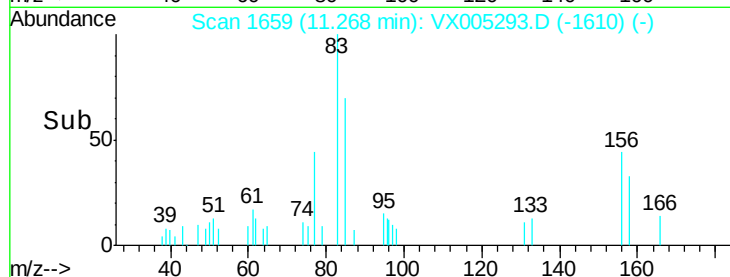
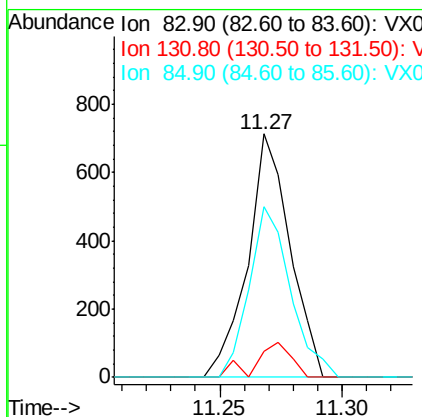
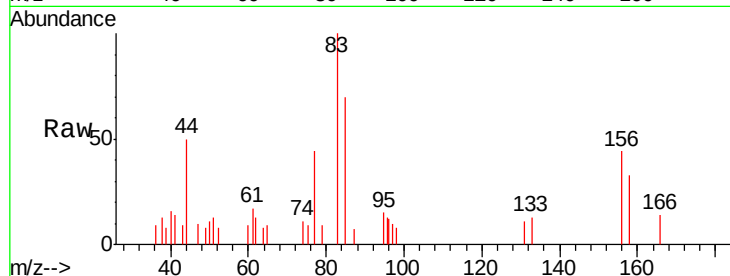
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	83	Resp:	862
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.2	15.6
85	68.4	32.3	96.8

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MMDadoda
10/17/2018 9:04:58 AM



#76

1,2,3-Trichloropropane

Concen: 0.23 ug/l m

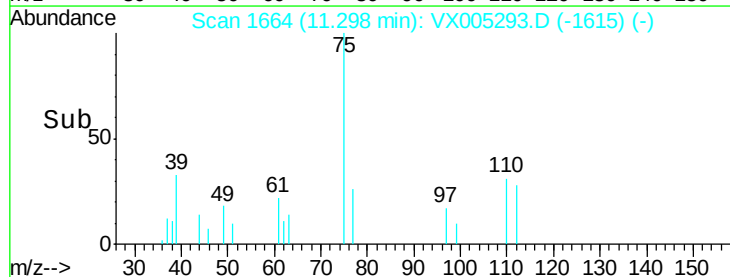
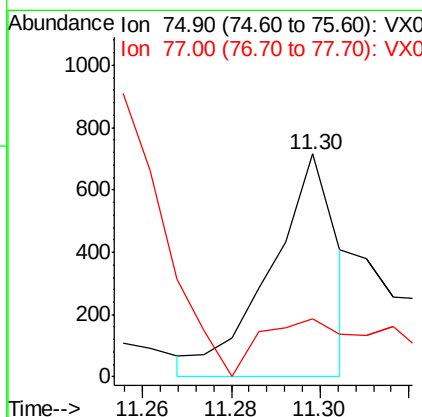
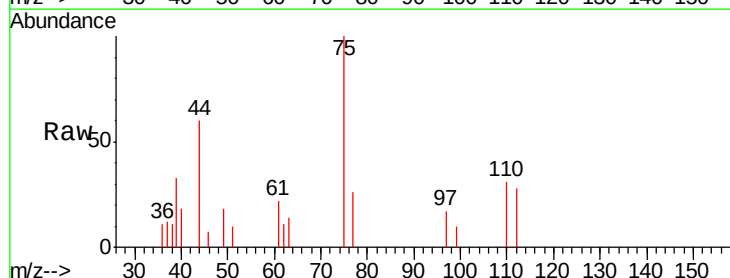
RT: 11.30 min Scan# 1664

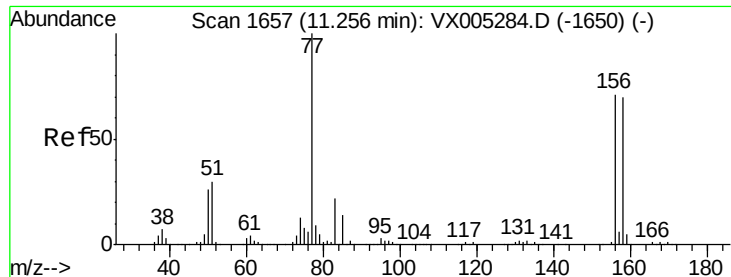
Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	75	Resp:	747
Ion	Ratio	Lower	Upper
75	100		
77	121.7	20.2	60.6#





#77

Bromobenzene

Concen: 0.24 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

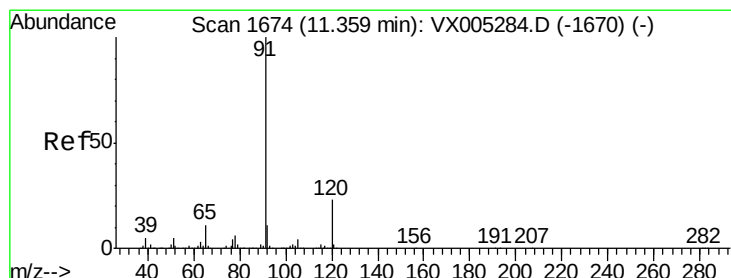
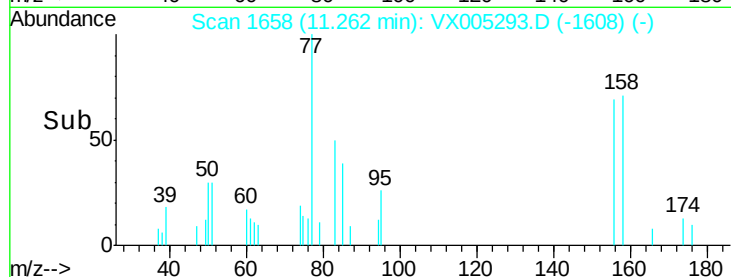
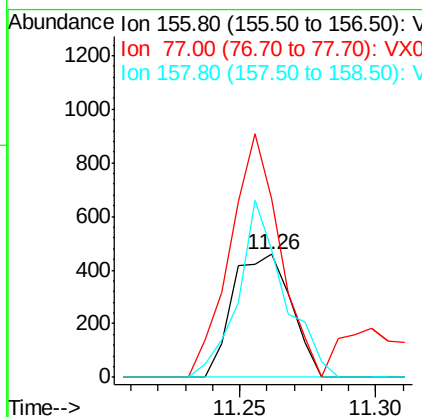
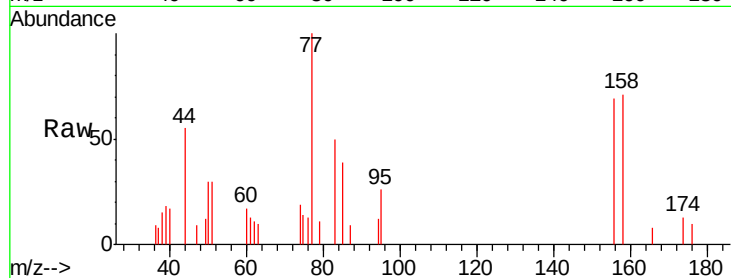
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	156	Resp:	681
Ion Ratio	Lower	Upper	
156	100		
77	168.9	71.5	214.3
158	113.1	48.9	146.8

Manual Integrations
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10/17/2018 9:04:58 AM



#78

n-propylbenzene

Concen: 0.24 ug/l

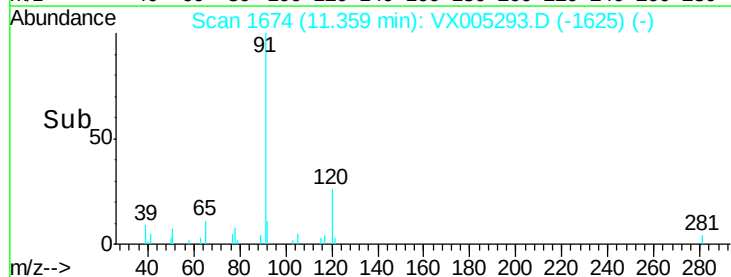
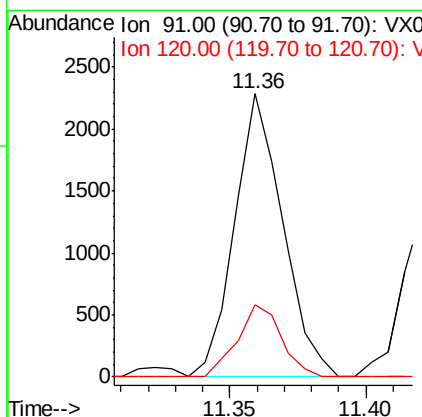
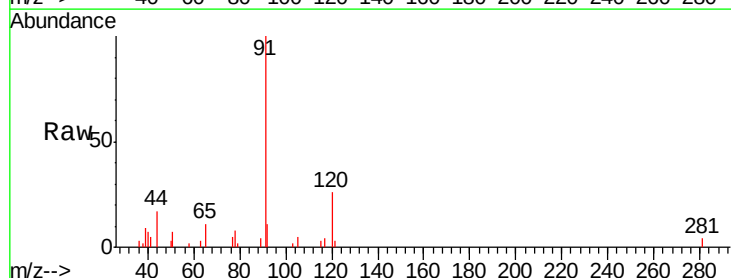
RT: 11.36 min Scan# 1674

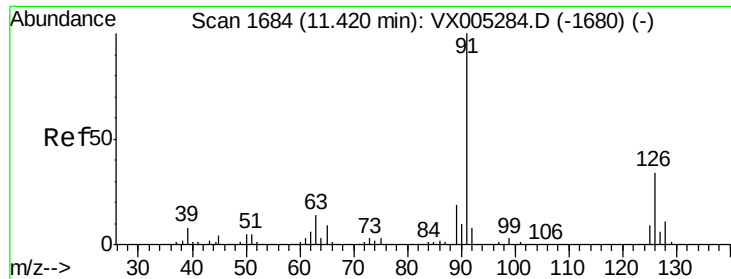
Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	91	Resp:	2799
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.9





#79

2-Chlorotoluene

Concen: 0.24 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 91 Resp: 1724

Ion Ratio Lower Upper

91 100

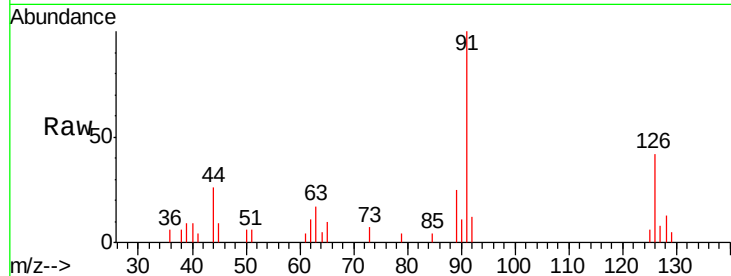
126 38.2 17.9 53.7

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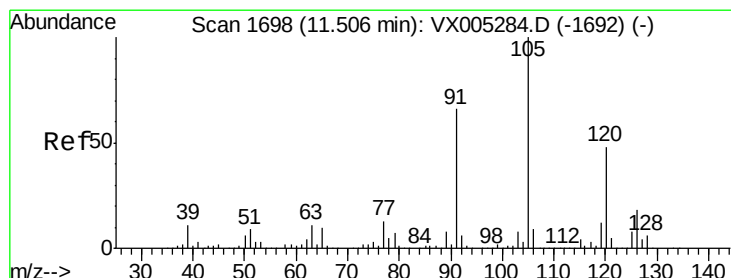
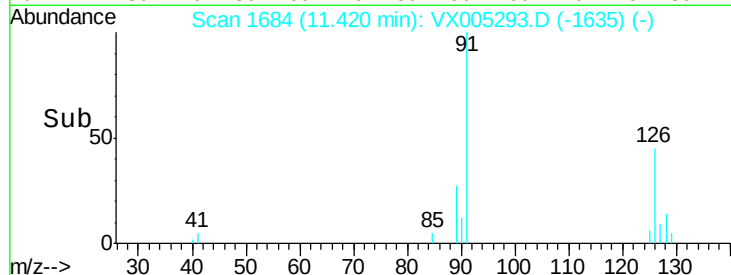


Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

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



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: VX005293.D

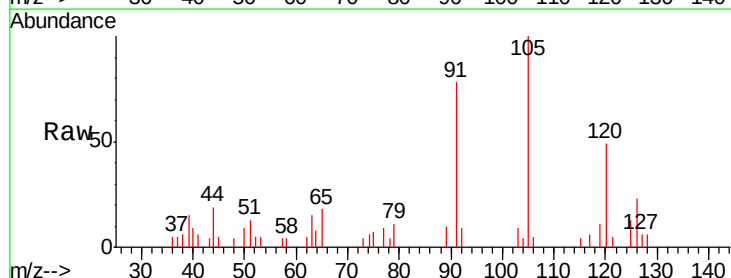
Acq: 12 Oct 2018 15:11

Tgt Ion: 105 Resp: 1805

Ion Ratio Lower Upper

105 100

120 47.5 25.6 76.8

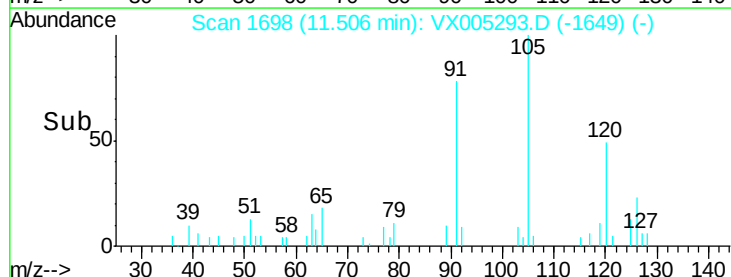


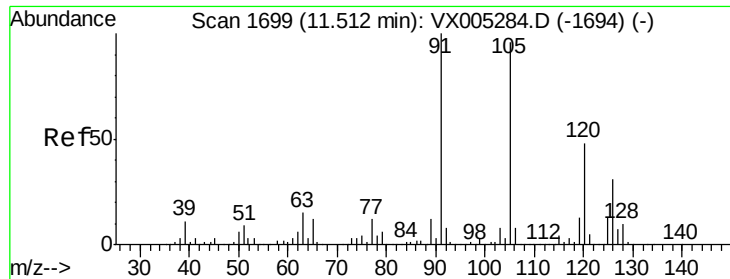
Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

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



Time-->





#82

4-Chlorotoluene

Concen: 0.24 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 91 Resp: 1981

Ion Ratio Lower Upper

91 100

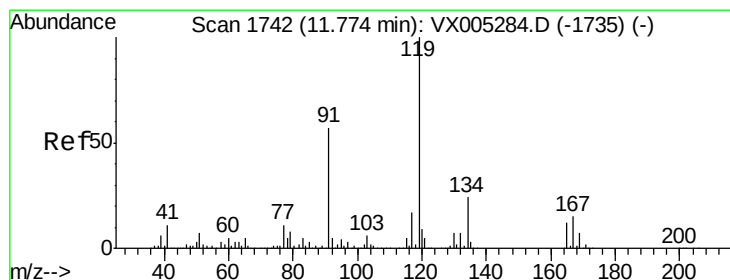
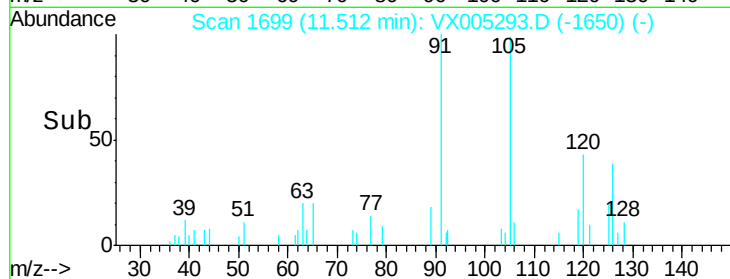
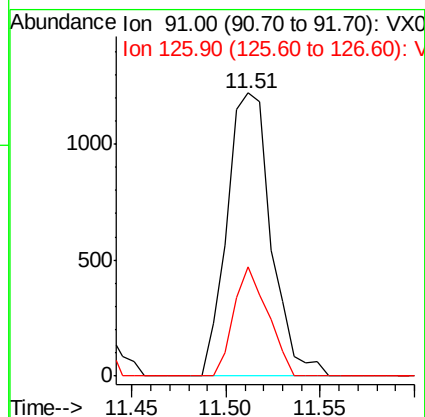
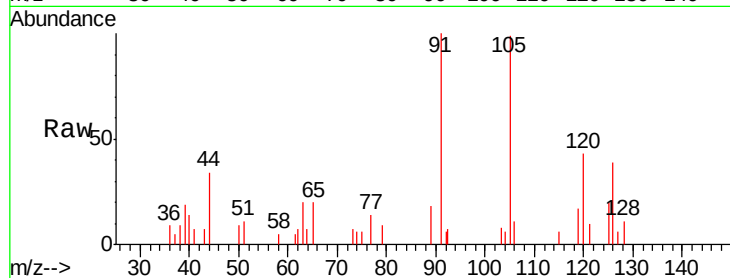
126 29.8 15.5 46.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 0.21 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

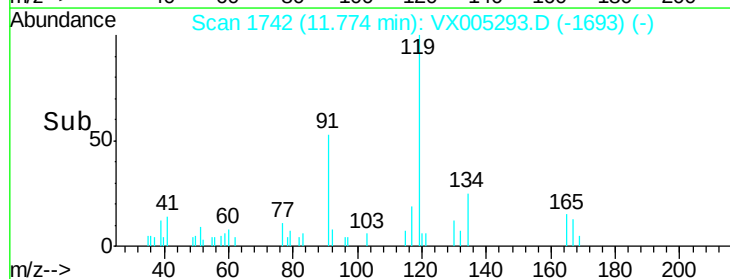
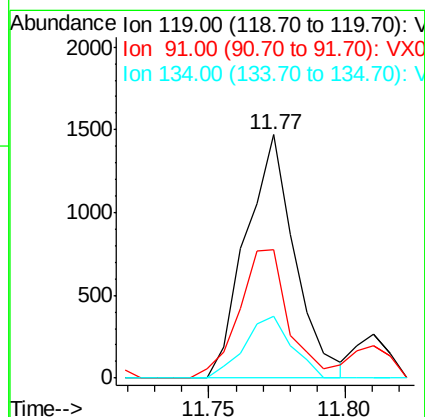
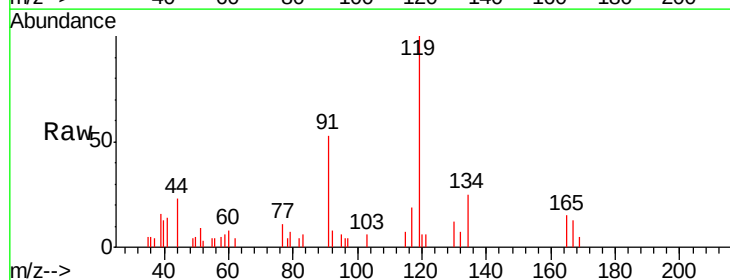
Tgt Ion: 119 Resp: 1835

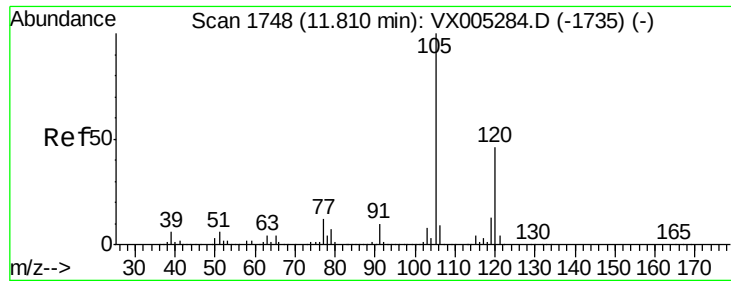
Ion Ratio Lower Upper

119 100

91 52.6 27.0 81.0

134 24.5 11.7 35.1





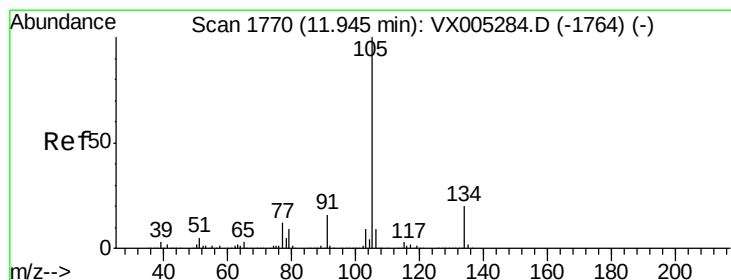
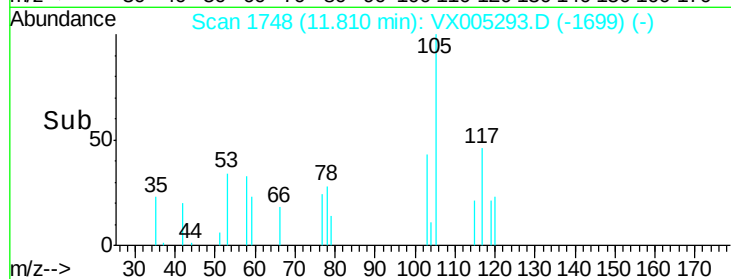
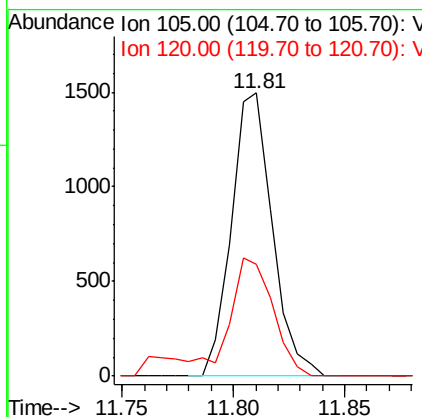
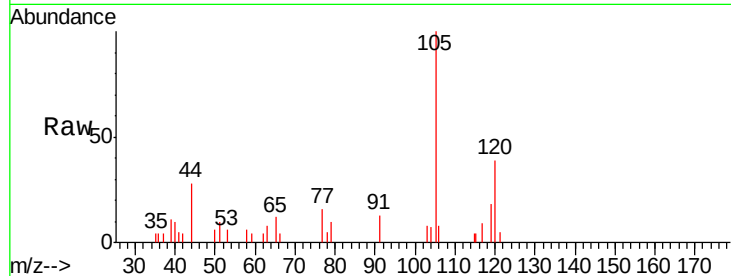
#84
 1,2,4-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion:105 Resp: 1913
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.2 69.6

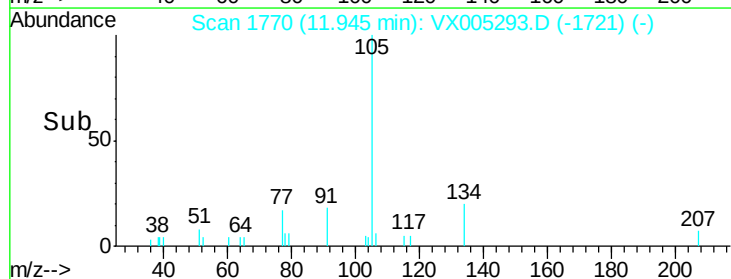
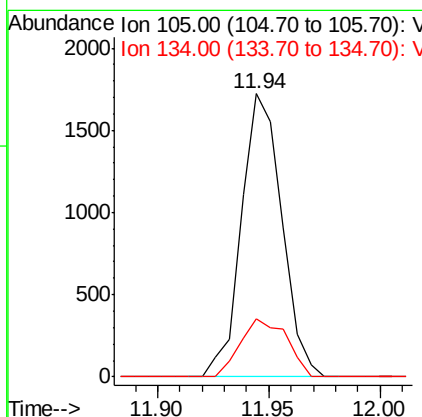
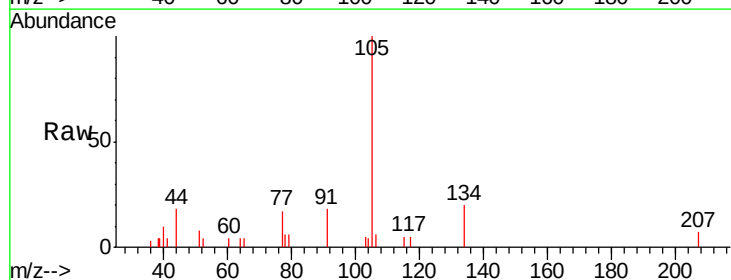
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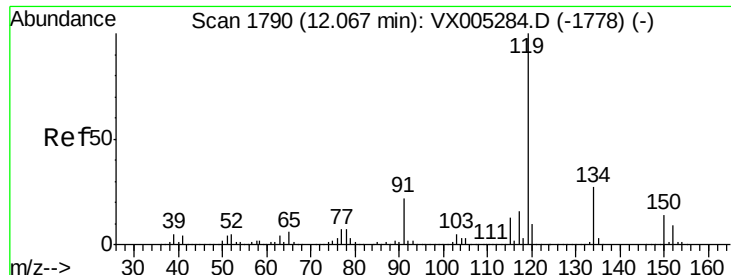
MMDadoda
 10/17/2018 9:04:58 AM



#85
 sec-Butylbenzene
 Concen: 0.21 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion:105 Resp: 2177
 Ion Ratio Lower Upper
 105 100
 134 23.3 10.5 31.5





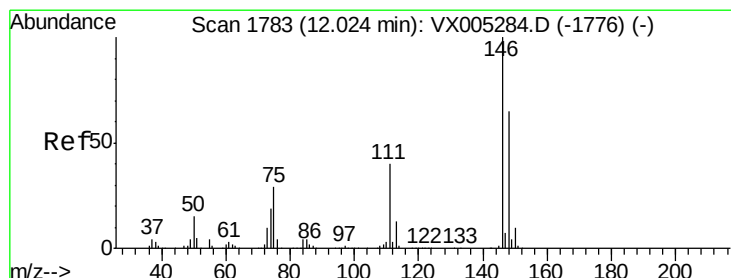
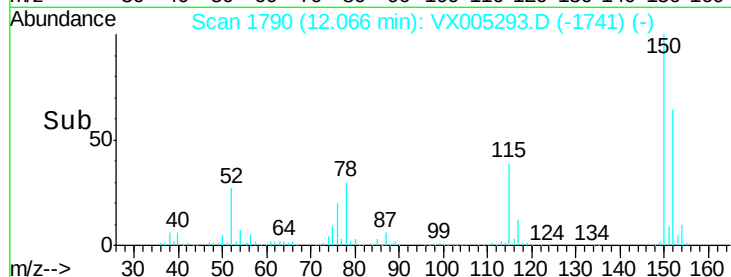
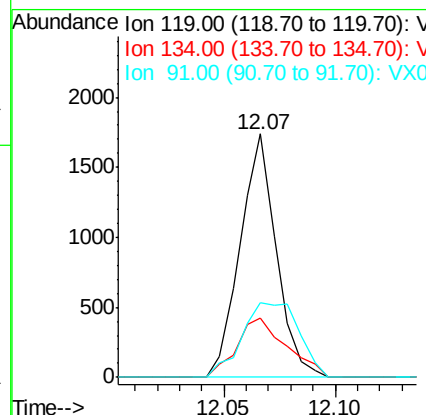
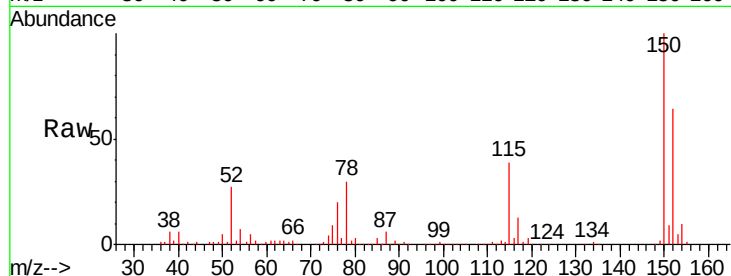
#86
p-Isopropyltoluene
Concen: 0.21 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	1974		
134	33.6		13.4	40.2
91	47.9		10.9	32.7

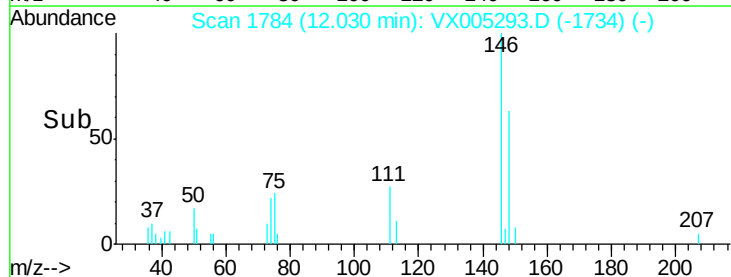
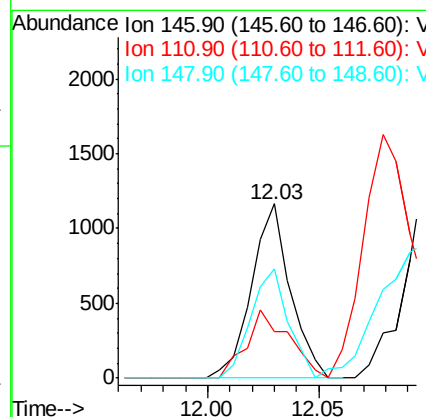
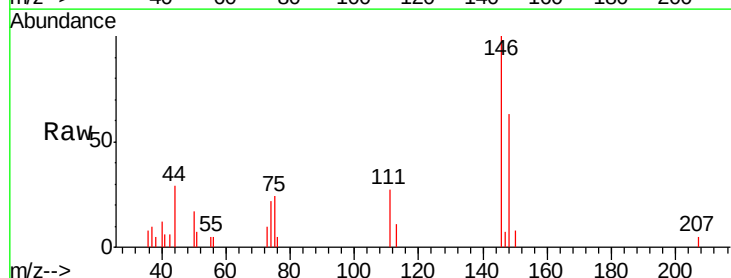
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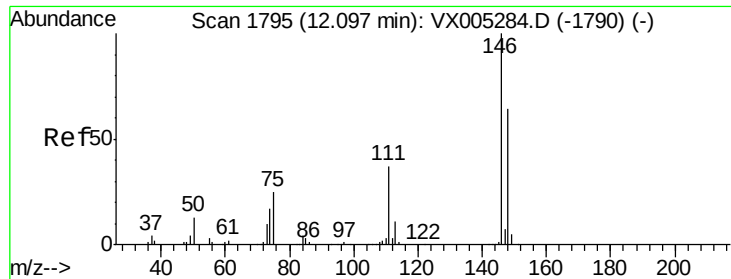
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#87
1,3-Dichlorobenzene
Concen: 0.26 ug/l
RT: 12.03 min Scan# 1784
Delta R.T. 0.01 min
Lab File: VX005293.D
Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	1410		
111	42.9		18.7	56.1
148	60.6		32.1	96.5





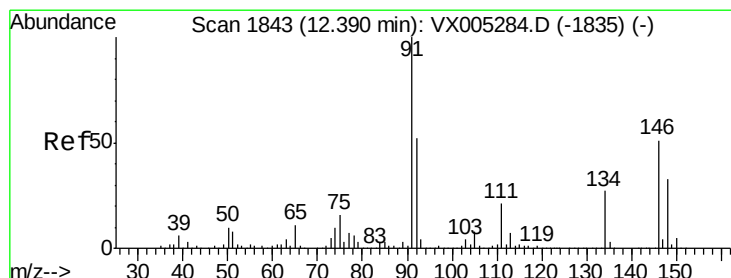
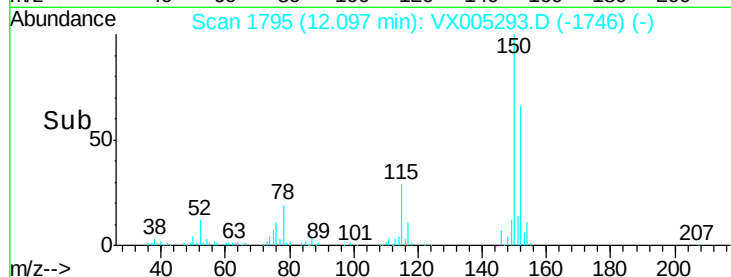
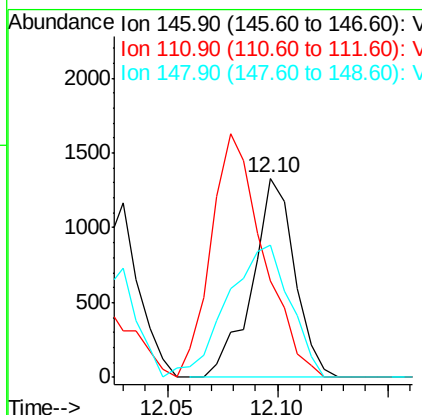
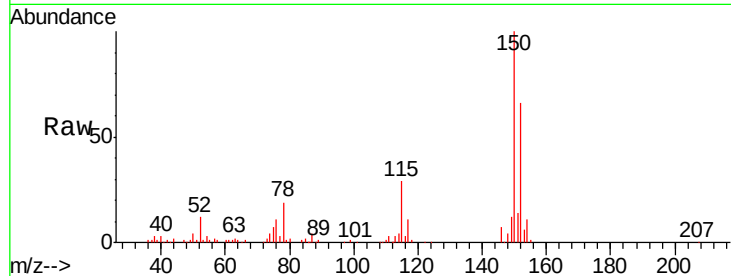
#88
 1,4-Dichlorobenzene
 Concen: 0.32 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	18.1	54.1
148	48.0	32.0	96.0

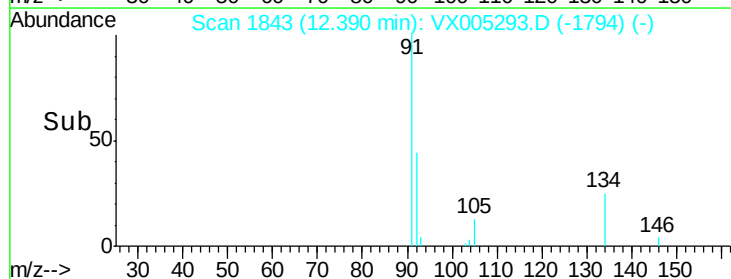
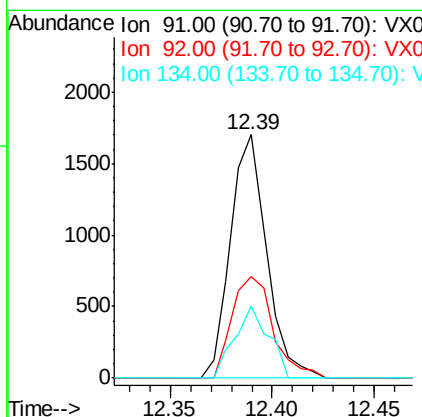
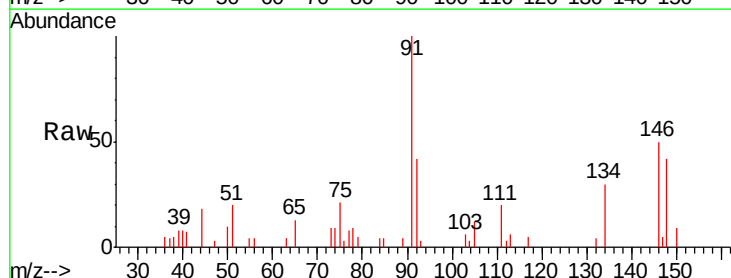
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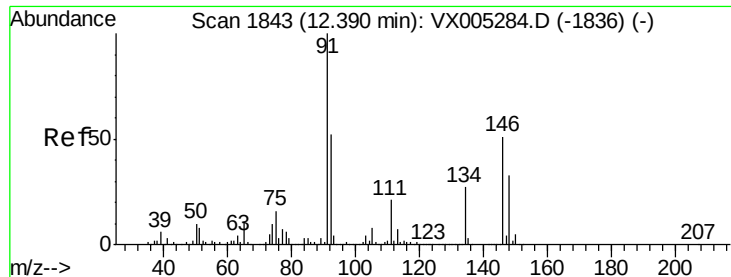
MMDadoda
 10/17/2018 9:04:58 AM



#89
 n-Butylbenzene
 Concen: 0.25 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.4	27.3	81.9
134	27.9	13.6	40.7





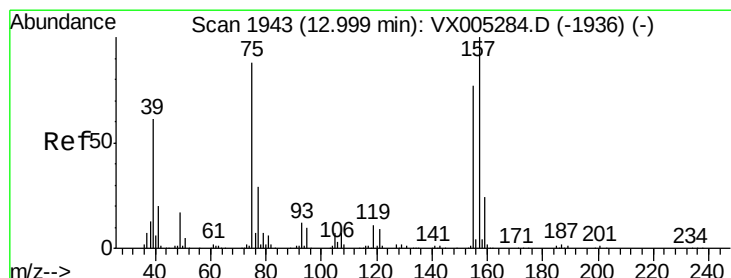
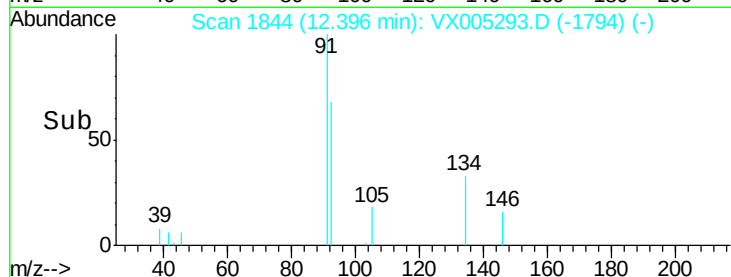
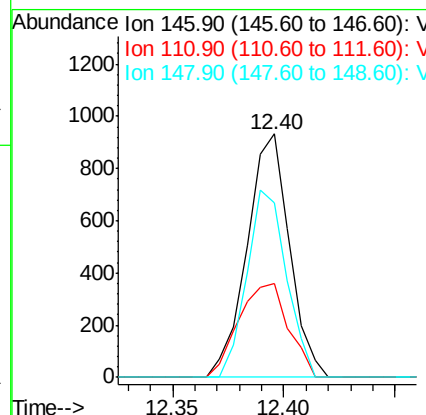
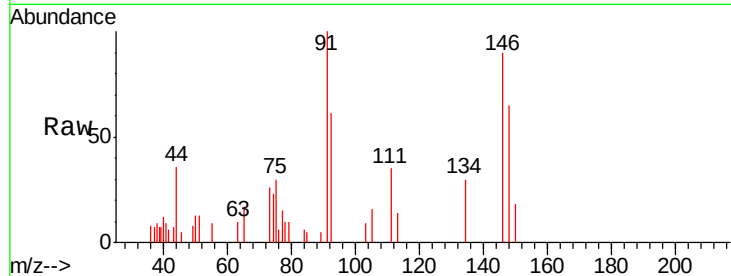
#91
 1,2-Dichlorobenzene
 Concen: 0.23 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.4	58.1
148	71.8	32.8	98.3

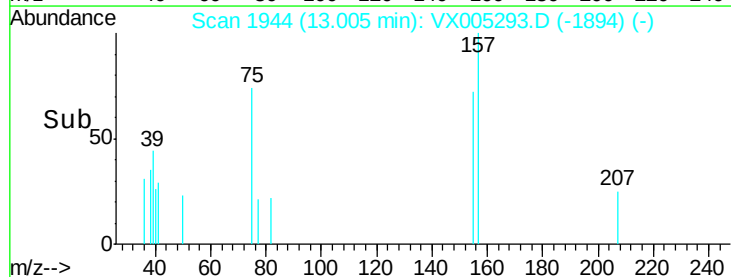
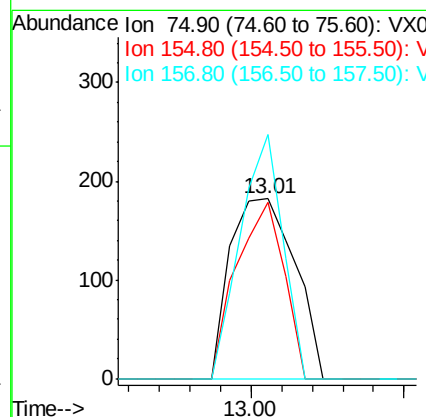
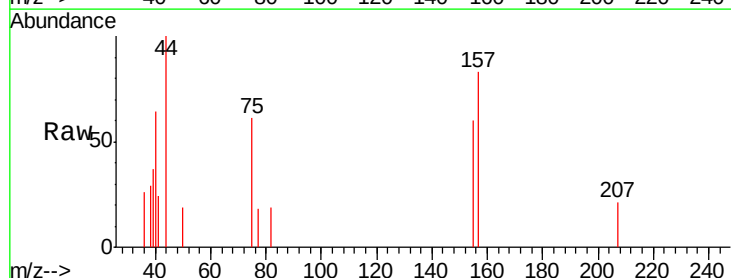
Manual Integrations
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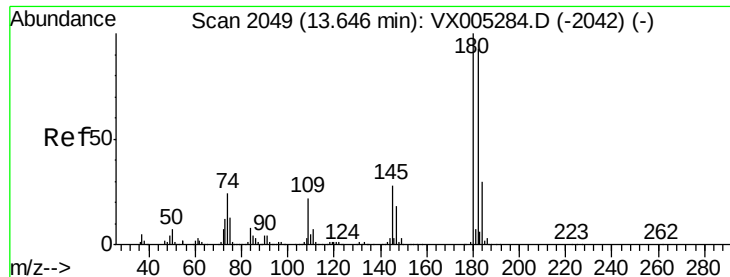
MMDadoda
 10/17/2018 9:04:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.29 ug/l
 RT: 13.01 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.9	48.0	144.2
157	88.8	61.4	184.1





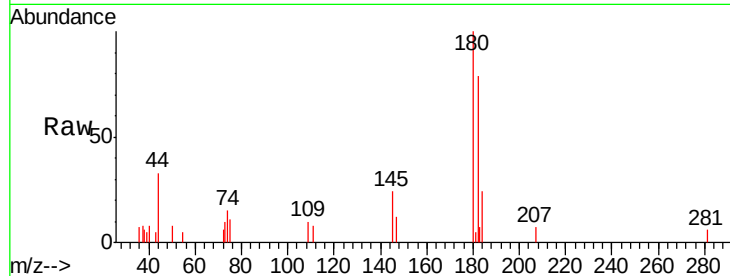
#93
 1,2,4-Trichlorobenzene
 Concen: 0.33 ug/l
 RT: 13.65 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2018

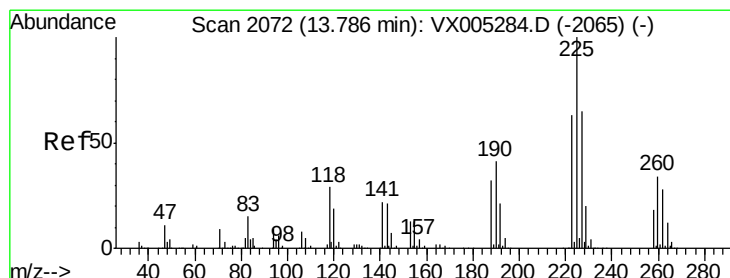
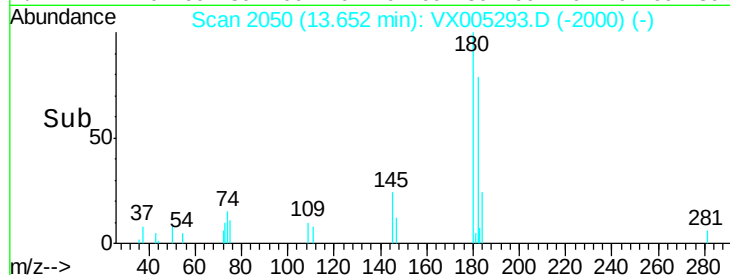
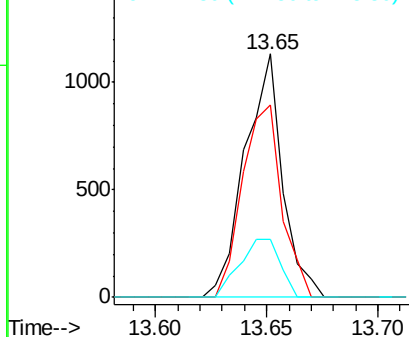
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1329		
182	82.5	48.4	145.0	
145	25.8	14.3	42.9	

Manual Integrations
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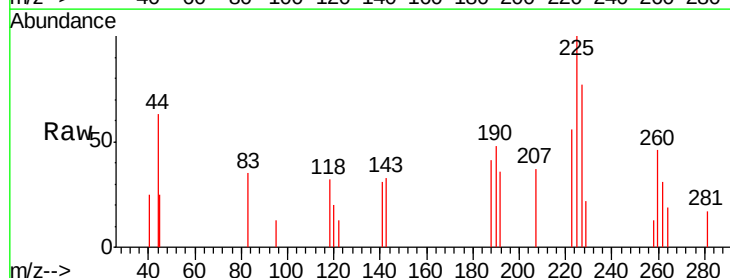


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

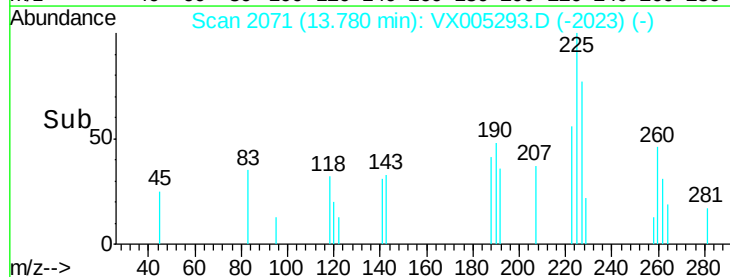
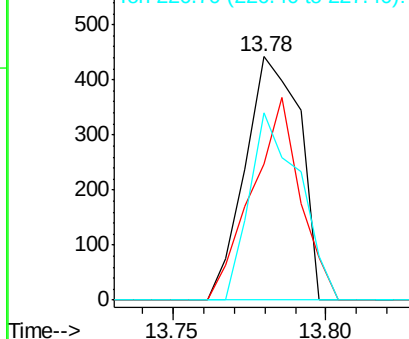


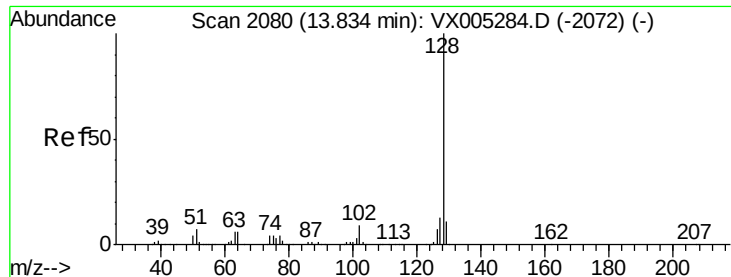
#94
 Hexachlorobutadiene
 Concen: 0.26 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005293.D
 Acq: 12 Oct 2018 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	548		
223	73.5	30.1	90.5	
227	70.6	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





#95

Naphthalene

Concen: 0.21 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Instrument :

MSVOA_X

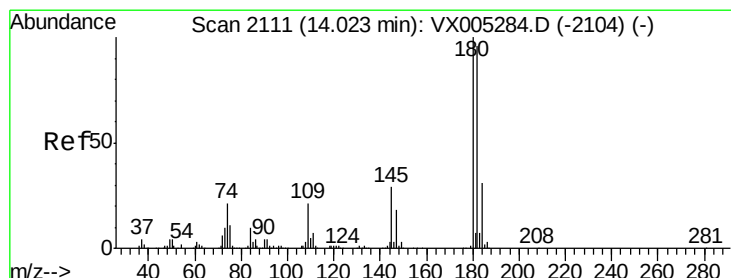
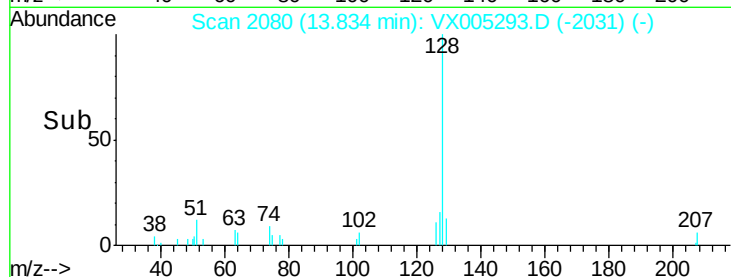
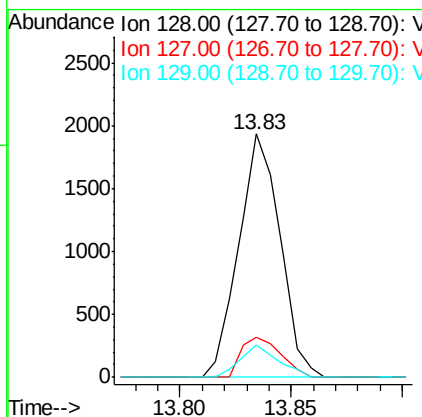
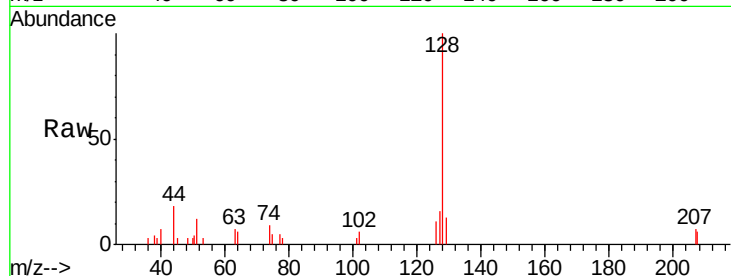
ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion:	128	Resp:	2506
Ion Ratio	Lower	Upper	
128	100		
127	15.6	10.2	15.2#
129	12.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 0.25 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005293.D

Acq: 12 Oct 2018 15:11

Tgt Ion:	180	Resp:	1036
Ion Ratio	Lower	Upper	
180	100		
182	85.3	48.5	145.6
145	33.9	14.9	44.9

