

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013082.D
 Acq On : 15 Oct 2019 16:50
 Operator : JC/SP
 Sample : K5111-07 2.5PPB LOD-MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:17 AM

Quant Time: Oct 16 07:25:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:02:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	159918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	95166	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	5.49	113	73610	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	8.71	98	277957	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.14	95	103725	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	4109	2.521	ug/l 98
3) Chloromethane	1.32	50	4602	2.594	ug/l 99
4) Vinyl Chloride	1.40	62	4344	2.372	ug/l 98
5) Bromomethane	1.63	94	2353	3.091	ug/l 91
6) Chloroethane	1.72	64	3501	3.248	ug/l 97
7) Trichlorofluoromethane	1.92	101	6567	2.657	ug/l 93
8) Diethyl Ether	2.18	74	2580	2.586	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4443	2.778	ug/l 95
10) Methyl Iodide	2.50	142	3408	2.166	ug/l 97
11) Tert butyl alcohol	3.03	59	9310	17.571	ug/l # 91
12) 1,1-Dichloroethene	2.36	96	4033	2.496	ug/l 96
13) Acrolein	2.28	56	4051	10.758	ug/l 98
14) Allyl chloride	2.72	41	6776	2.354	ug/l 97
15) Acrylonitrile	3.13	53	12931	12.878	ug/l 98
16) Acetone	2.44	43	13093	12.427	ug/l 99
17) Carbon Disulfide	2.56	76	9950	2.159	ug/l 99
18) Methyl Acetate	2.76	43	7124	2.853	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	14587	2.614	ug/l 100
20) Methylene Chloride	2.84	84	5775	2.983	ug/l # 92
21) trans-1,2-Dichloroethene	3.16	96	4705	2.716	ug/l 96
22) Diisopropyl ether	3.84	45	14251	2.584	ug/l # 78
23) Vinyl Acetate	3.81	43	55460	11.650	ug/l 99
24) 1,1-Dichloroethane	3.69	63	8356	2.693	ug/l 97
25) 2-Butanone	4.67	43	18790	12.855	ug/l 98
26) 2,2-Dichloropropane	4.56	77	6339	2.430	ug/l 98
27) cis-1,2-Dichloroethene	4.59	96	5610	2.810	ug/l 96
28) Bromochloromethane	5.00	49	2811	3.164	ug/l # 98
29) Tetrahydrofuran	5.13	42	11409	12.684	ug/l 97
30) Chloroform	5.20	83	8630	2.711	ug/l 92
31) Cyclohexane	5.57	56	7258	2.502	ug/l # 83
32) 1,1,1-Trichloroethane	5.49	97	6701	2.484	ug/l 95
36) 1,1-Dichloropropene	5.79	75	6088	2.542	ug/l 97
37) Ethyl Acetate	4.83	43	5925	2.213	ug/l # 95
38) Carbon Tetrachloride	5.78	117	5948	2.552	ug/l 91

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

39) Methylcyclohexane	7.46	83	7429	2.558	ug/l #	84
40) Benzene	6.14	78	19257	2.722	ug/l	91
41) Methacrylonitrile	5.03	41	3729	2.534	ug/l #	78
42) 1,2-Dichloroethane	6.18	62	7304	2.878	ug/l	100
43) Isopropyl Acetate	6.44	43	10419	2.424	ug/l	98
44) Trichloroethene	7.20	130	5093	2.597	ug/l	85
45) 1,2-Dichloropropane	7.51	63	4698	2.606	ug/l	97
46) Dibromomethane	7.66	93	3055	2.544	ug/l	98
47) Bromodichloromethane	7.89	83	5630	2.402	ug/l	95
48) Methyl methacrylate	7.77	41	4952	2.364	ug/l	97
49) 1,4-Dioxane	7.74	88	2588	51.107	ug/l	88
51) 4-Methyl-2-Pentanone	8.64	43	33230	12.400	ug/l	100
52) Toluene	8.78	92	11981	2.648	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	5189	2.000	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	6384	2.214	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	4329	2.417	ug/l	94
56) Ethyl methacrylate	9.18	69	6666	2.299	ug/l	98
57) 1,3-Dichloropropane	9.37	76	8286	2.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	14529	11.044	ug/l	99
59) 2-Hexanone	9.49	43	25123	12.043	ug/l	99
60) Dibromochloromethane	9.58	129	3933	2.241	ug/l	98
61) 1,2-Dibromoethane	9.67	107	4695	2.492	ug/l	98
64) Tetrachloroethene	9.33	164	4675	2.805	ug/l #	85
65) Chlorobenzene	10.14	112	12591	2.638	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	4225	2.553	ug/l	98
67) Ethyl Benzene	10.25	91	21332	2.516	ug/l #	86
68) m/p-Xylenes	10.35	106	16712	5.277	ug/l	94
69) o-Xylene	10.70	106	7883	2.552	ug/l	99
70) Styrene	10.71	104	11649	2.219	ug/l	95
71) Bromoform	10.85	173	2438	2.044	ug/l #	97
73) Isopropylbenzene	11.01	105	19678	2.524	ug/l	97
74) N-amyl acetate	10.89	43	7591	2.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	6841	2.638	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	6285m	2.672	ug/l	
77) Bromobenzene	11.25	156	4995	2.719	ug/l	98
78) n-propylbenzene	11.35	91	22015	2.566	ug/l	97
79) 2-Chlorotoluene	11.42	91	14851	2.755	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	16673	2.561	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1489m	1.792	ug/l	
82) 4-Chlorotoluene	11.51	91	16129	2.610	ug/l	100
83) tert-Butylbenzene	11.77	119	16193	2.550	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	16677	2.530	ug/l	99
85) sec-Butylbenzene	11.94	105	18871	2.565	ug/l	98
86) p-Isopropyltoluene	12.06	119	16132	2.364	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	8513	2.495	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	9117	2.639	ug/l	87
89) n-Butylbenzene	12.38	91	12713	2.217	ug/l	99
90) Hexachloroethane	12.59	117	2563	2.319	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	9055	2.707	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1423	2.341	ug/l	89

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LOD-MDL-WATER-01-QT4-2019DL

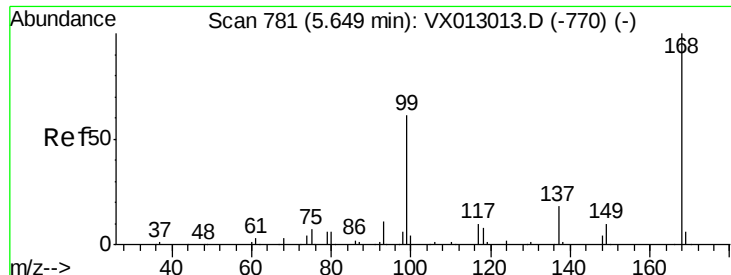
Manual Integrations
APPROVED

MMDadoda
10/16/2019 9:57:17 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	4761	2.272	ug/l	98
94) Hexachlorobutadiene	13.77	225	2483	2.568	ug/l	96
95) Naphthalene	13.83	128	14959	2.060	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	5017	2.317	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:168 Resp: 159918

Ion Ratio Lower Upper

168 100

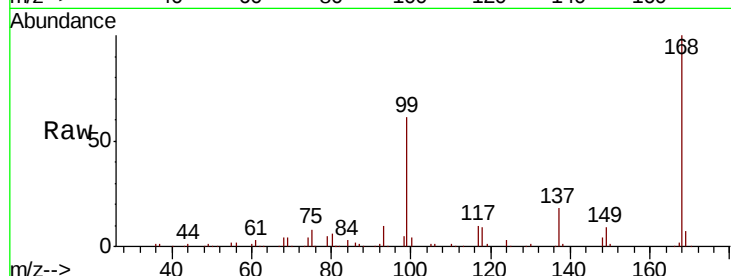
99 61.0 49.4 74.0

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

5.65

60000

50000

40000

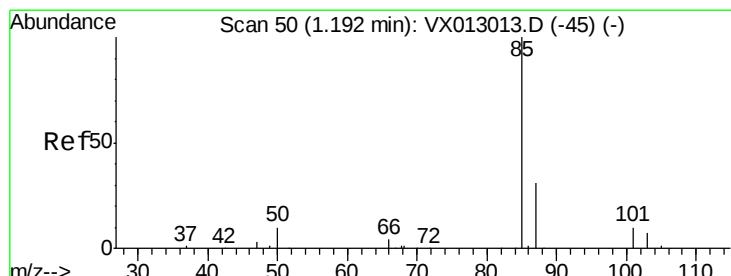
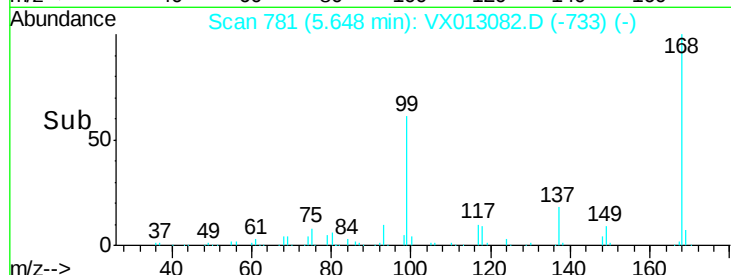
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.521 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013082.D

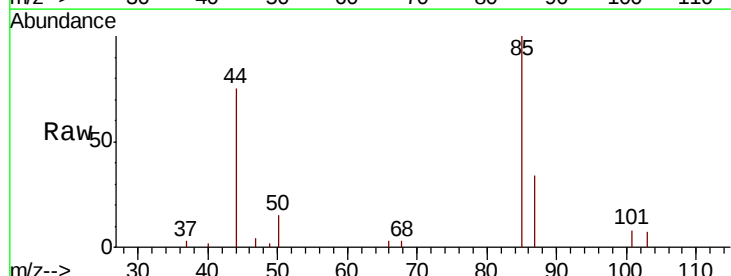
Acq: 15 Oct 2019 16:50

Tgt Ion: 85 Resp: 4109

Ion Ratio Lower Upper

85 100

87 34.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

4000

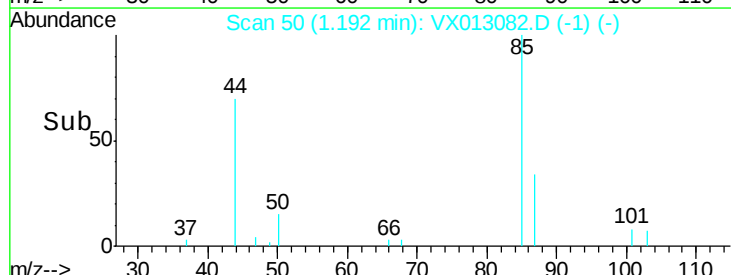
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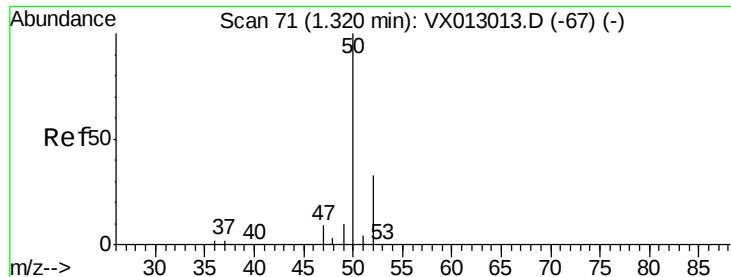
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.594 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 50 Resp: 4602

Ion Ratio Lower Upper

50 100

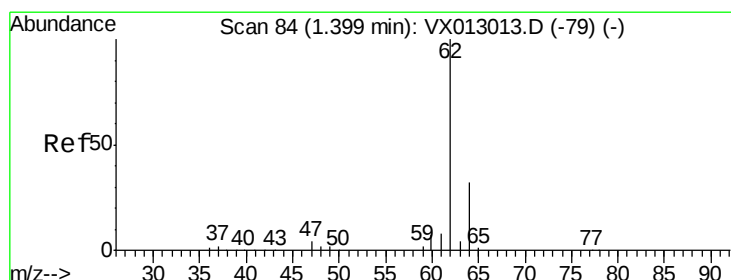
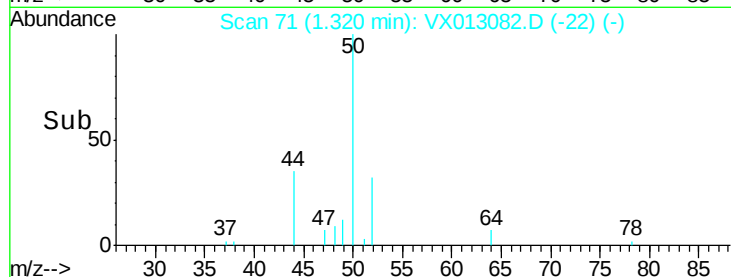
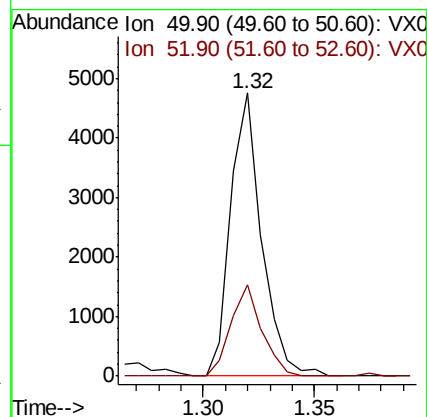
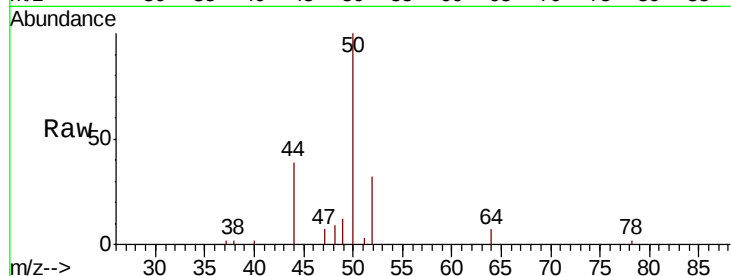
52 32.2 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.372 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013082.D

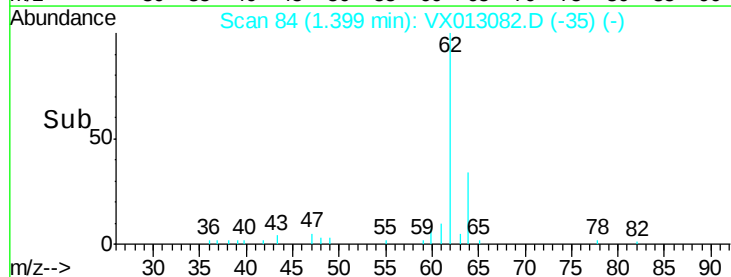
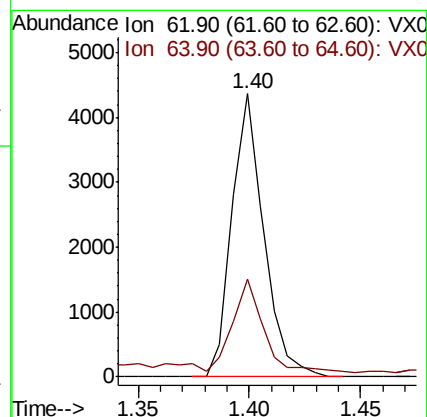
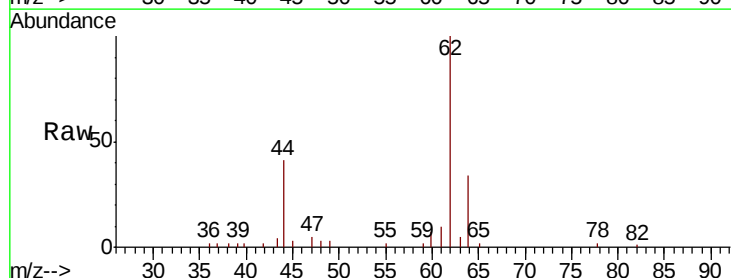
Acq: 15 Oct 2019 16:50

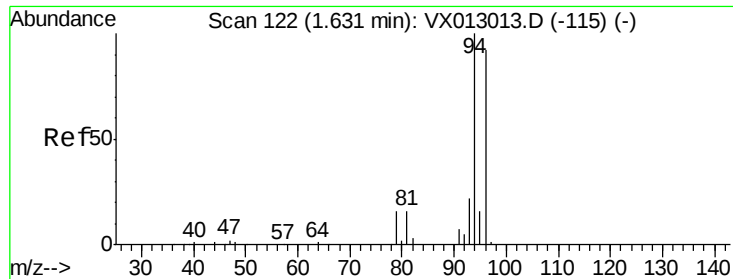
Tgt Ion: 62 Resp: 4344

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 3.091 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 94 Resp: 2353

Ion Ratio Lower Upper

94 100

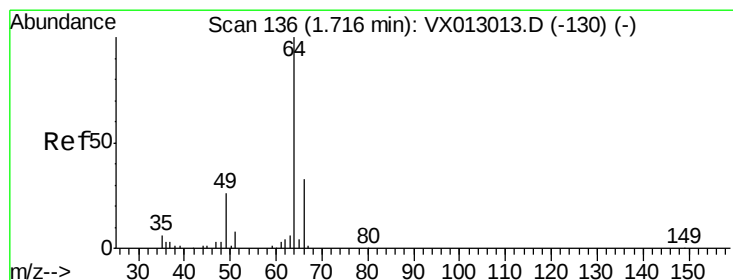
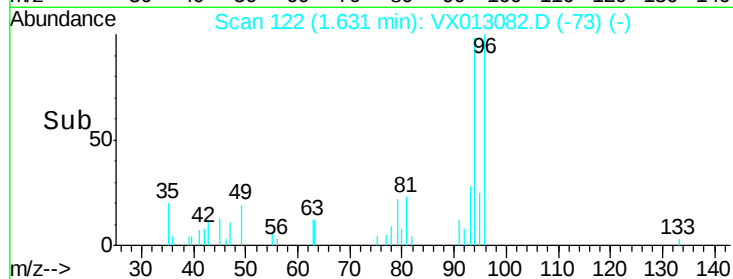
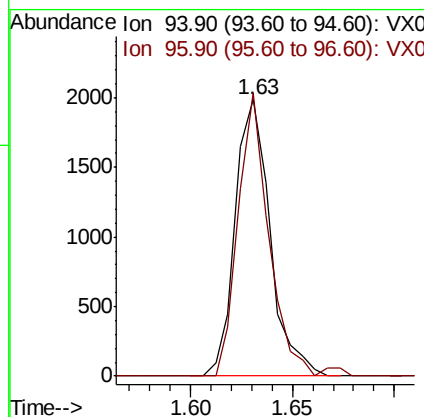
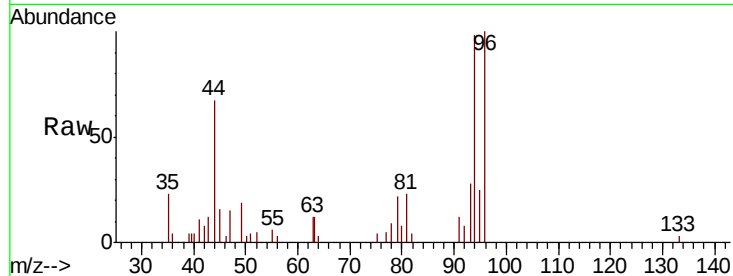
96 102.3 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 3.248 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013082.D

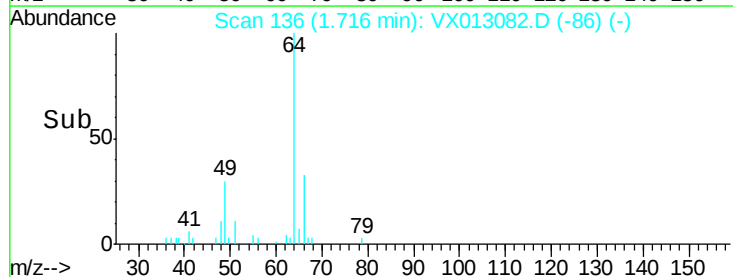
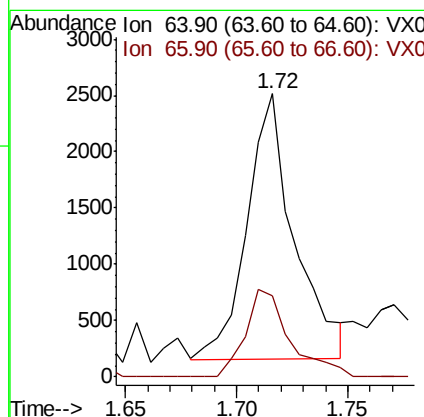
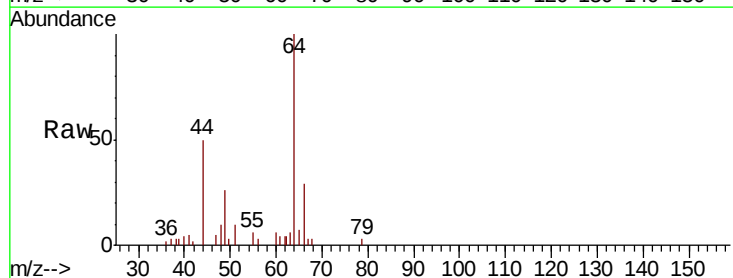
Acq: 15 Oct 2019 16:50

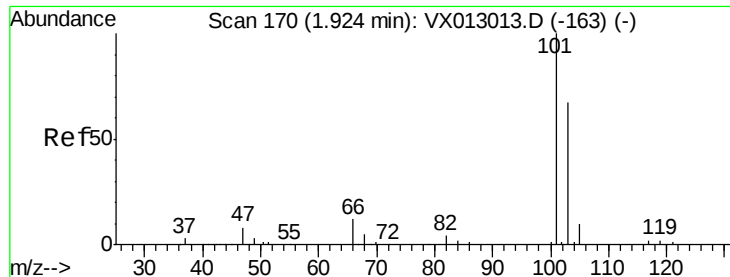
Tgt Ion: 64 Resp: 3501

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4





#7

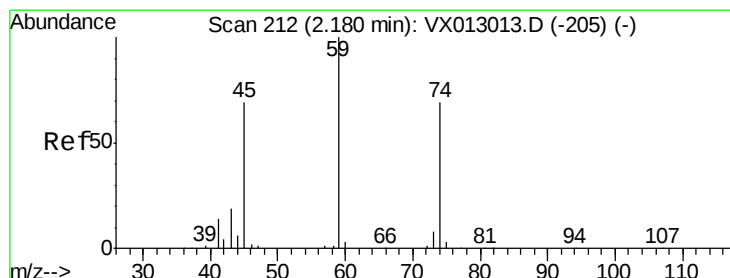
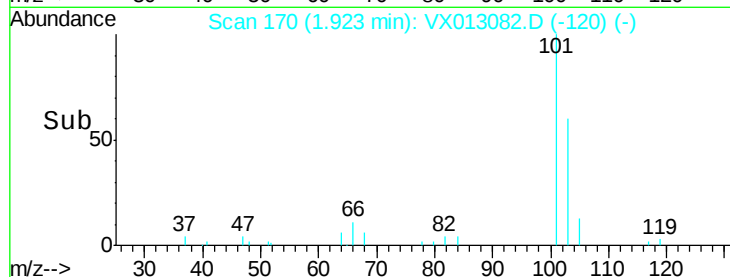
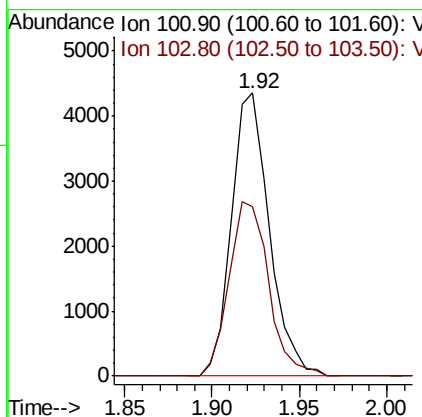
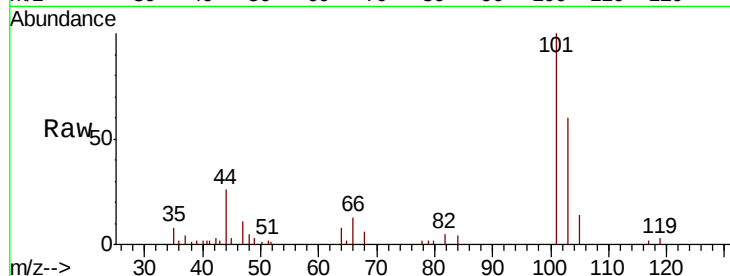
Trichlorofluoromethane
Concen: 2.657 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

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LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.7	52.5	78.7

Manual Integrations
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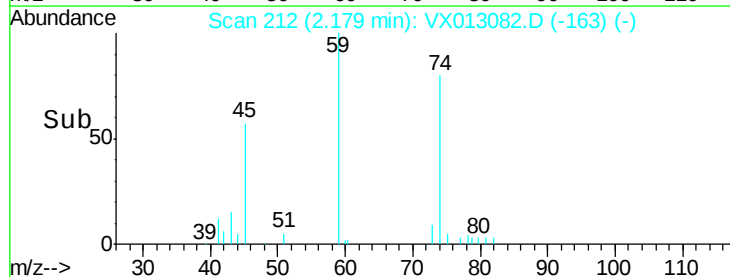
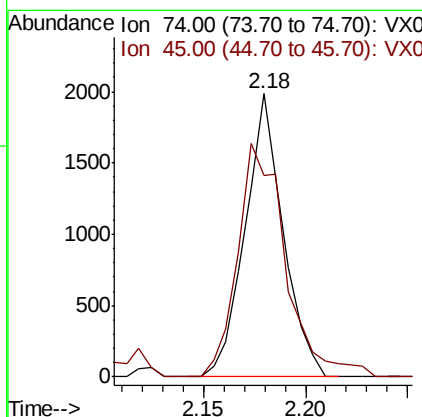
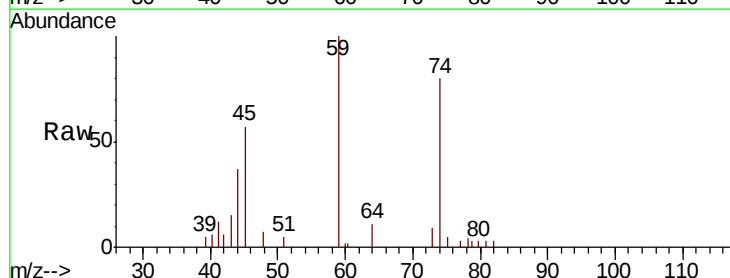
MMDadoda
10/16/2019 9:57:17 AM

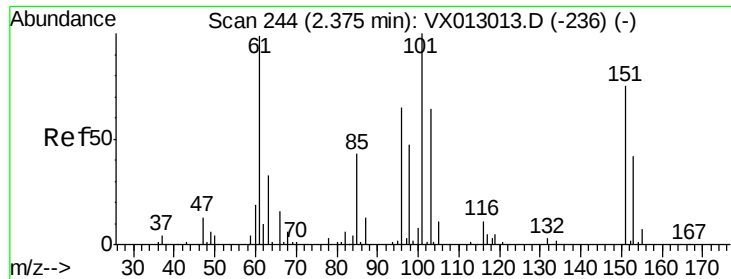


#8

Diethyl Ether
Concen: 2.586 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.778 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

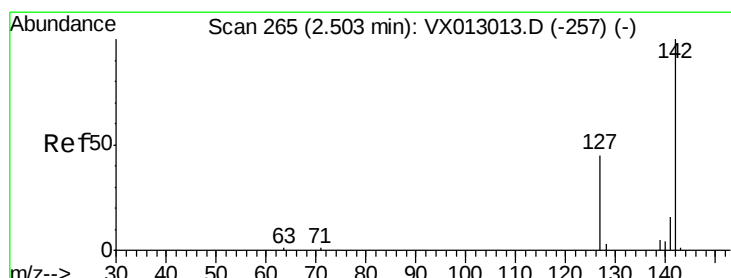
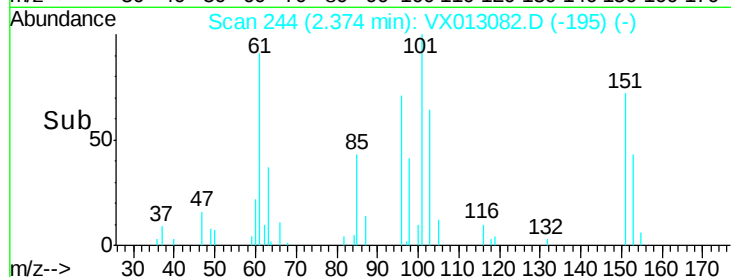
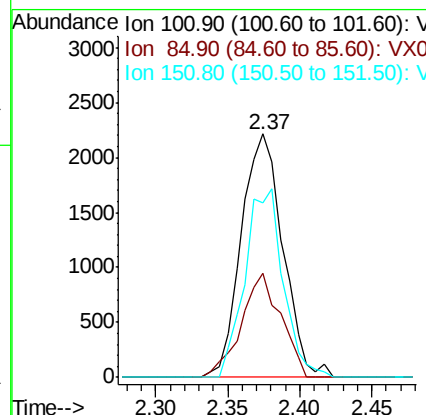
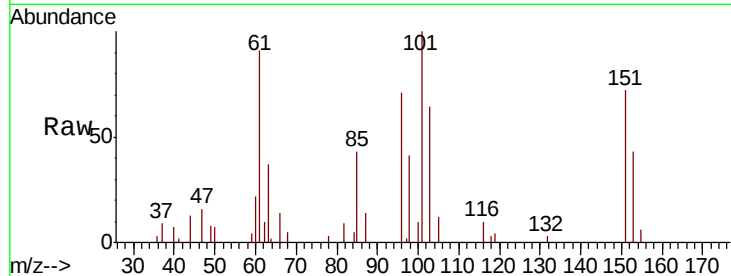
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	101	Resp:	4443
Ion Ratio	Lower	Upper	
101	100		
85	40.5	35.2	52.8
151	70.8	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 2.166 ug/l

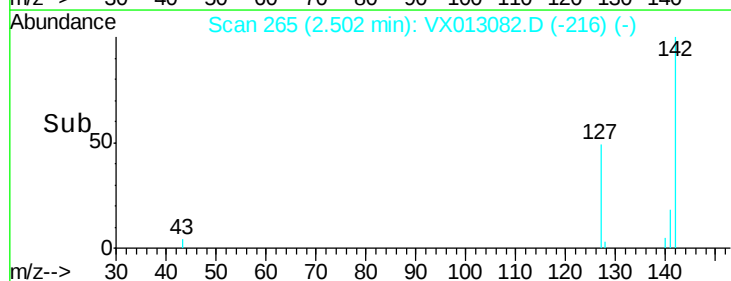
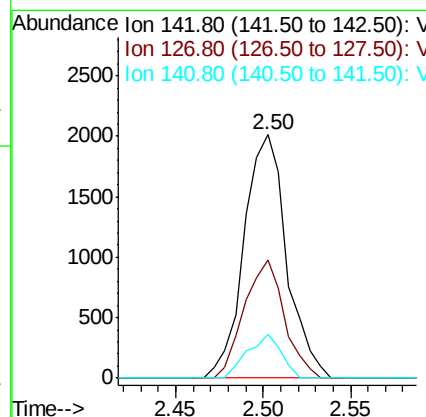
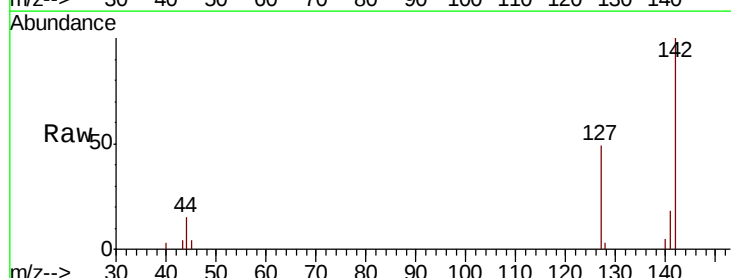
RT: 2.50 min Scan# 265

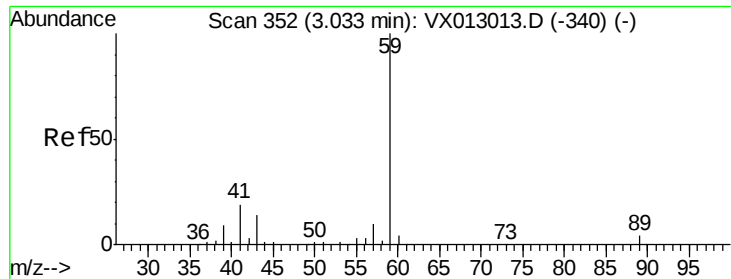
Delta R.T. 0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	142	Resp:	3408
Ion Ratio	Lower	Upper	
142	100		
127	45.7	34.9	52.3
141	14.2	11.6	17.4





#11

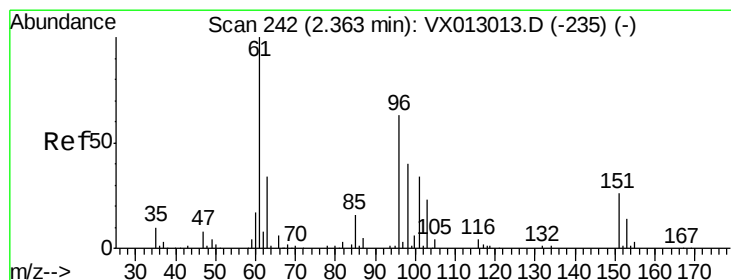
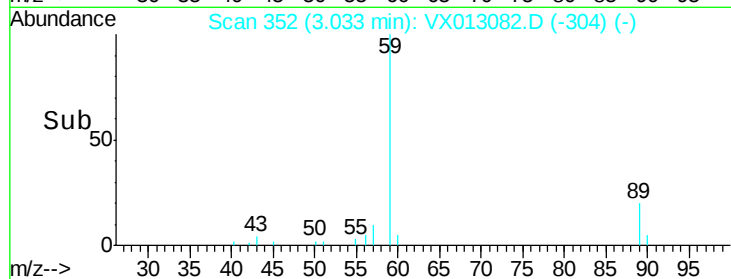
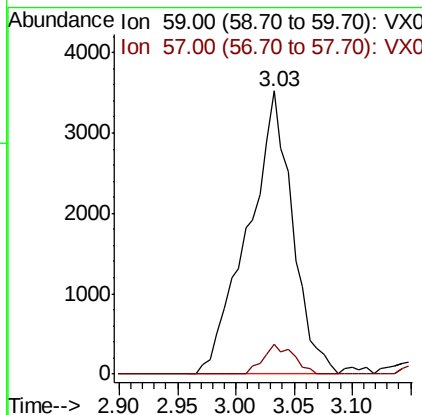
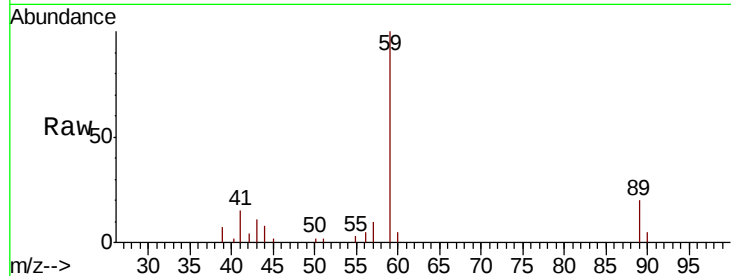
Tert butyl alcohol
Concen: 17.571 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Resp	Lower	Upper
59	100	9310		
57	7.1	8.3	12.5#	

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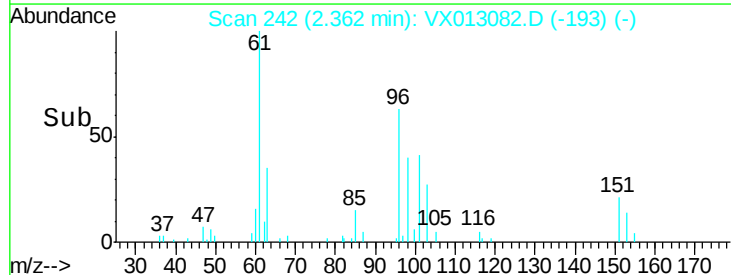
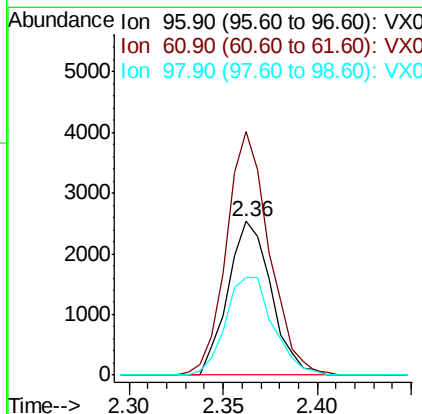
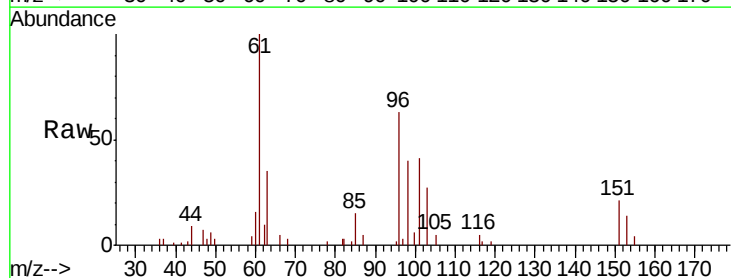
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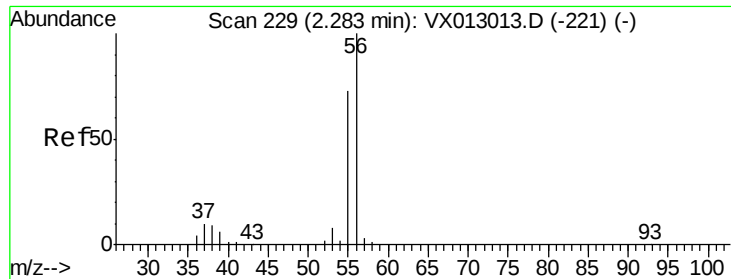


#12

1,1-Dichloroethene
Concen: 2.496 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	4033		
61	158.2	132.2	198.4	
98	63.5	50.5	75.7	





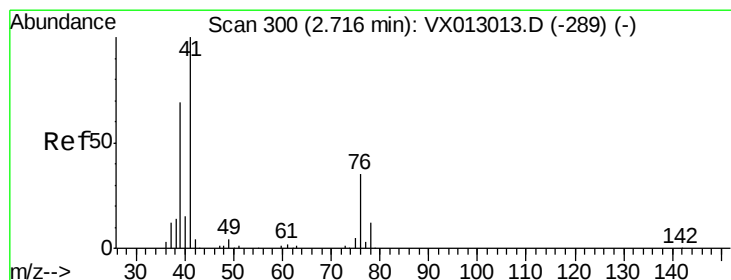
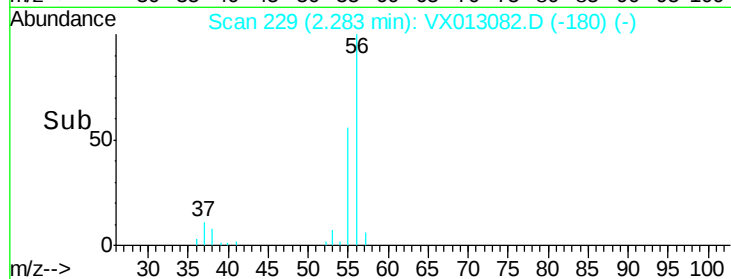
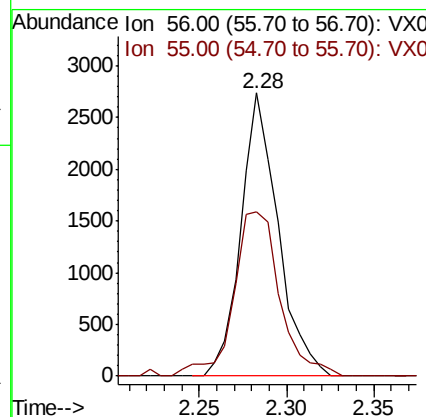
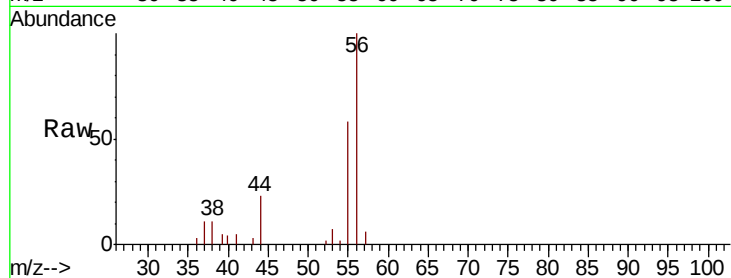
#13
Acrolein
Concen: 10.758 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	56	Resp	4051
Ion Ratio	100	Lower	Upper
55	72.3	56.6	85.0

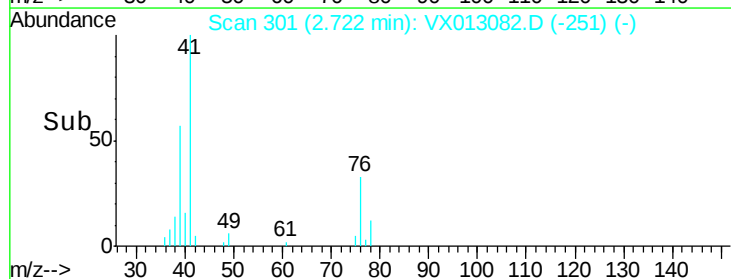
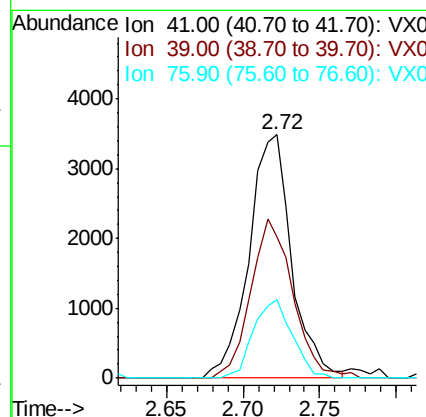
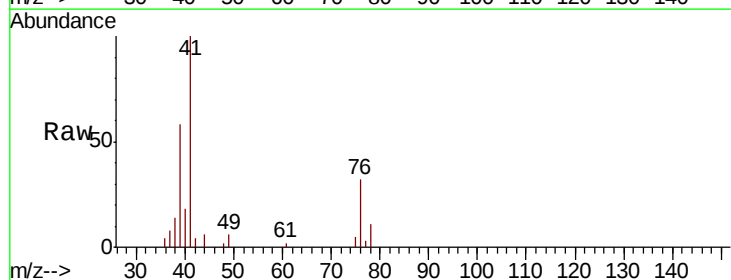
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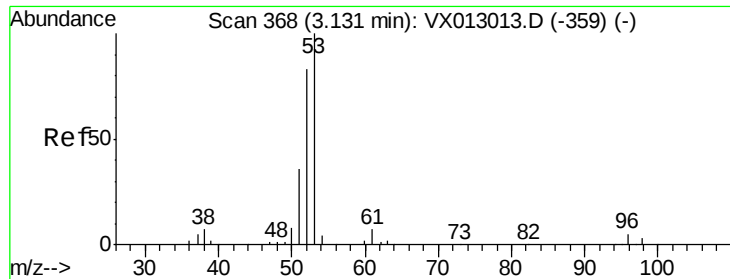
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#14
Allyl chloride
Concen: 2.354 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	41	Resp	6776
Ion Ratio	100	Lower	Upper
39	64.6	51.0	76.6
76	29.3	26.2	39.4





#15

Acrylonitrile

Concen: 12.878 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

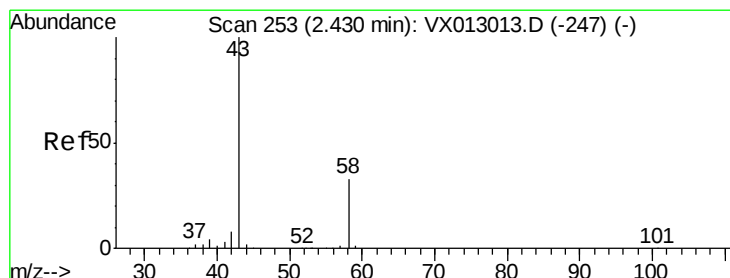
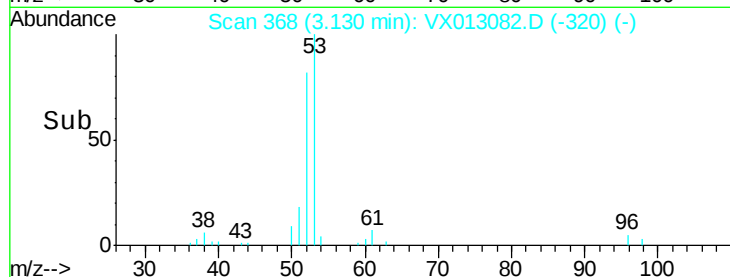
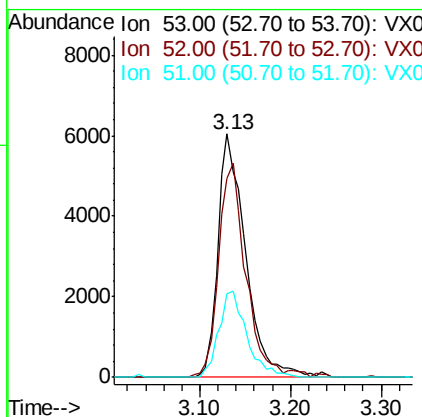
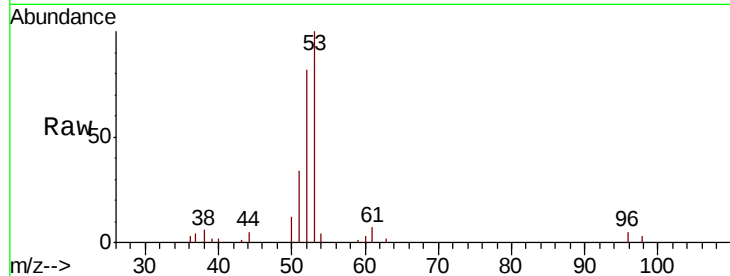
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	53	Resp:	12931
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.2	99.2
51	35.7	28.2	42.4

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#16

Acetone

Concen: 12.427 ug/l

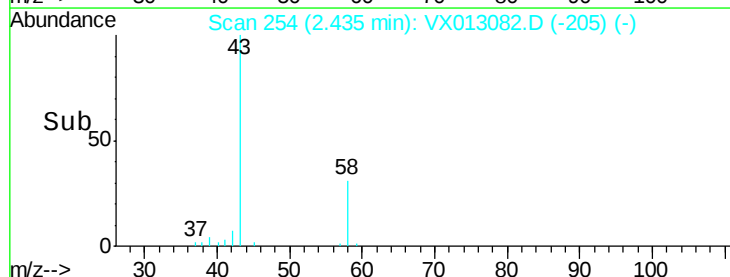
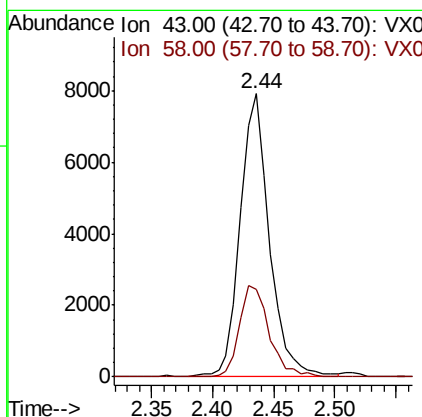
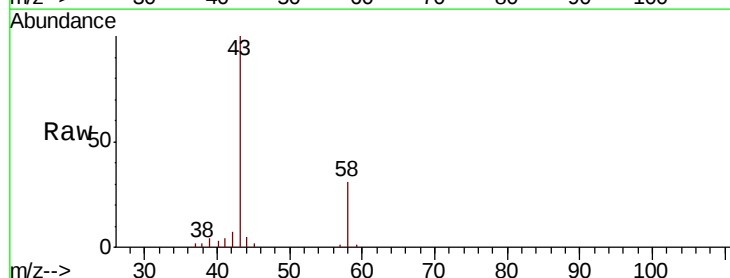
RT: 2.44 min Scan# 254

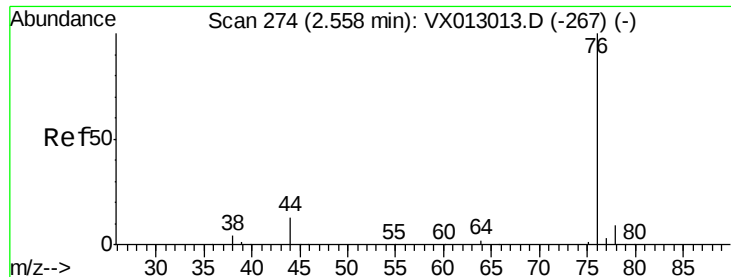
Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	43	Resp:	13093
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.2





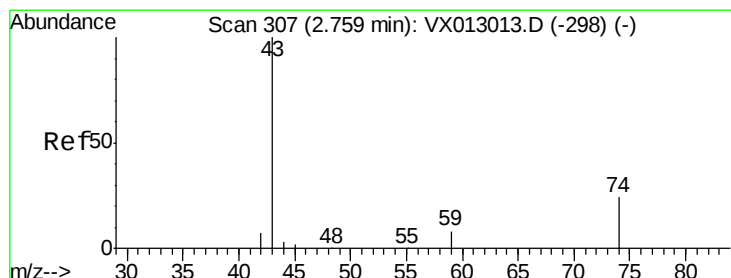
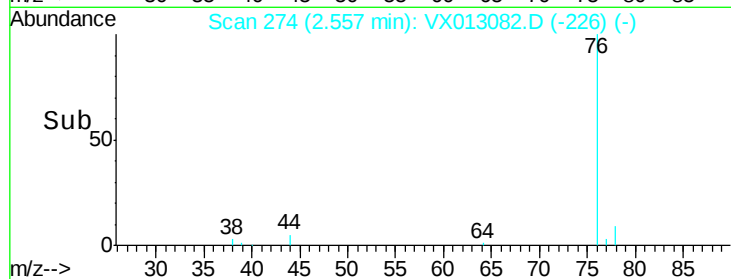
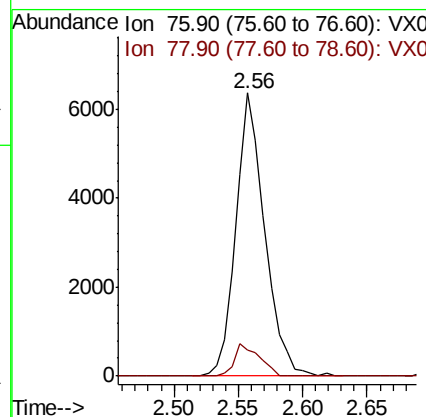
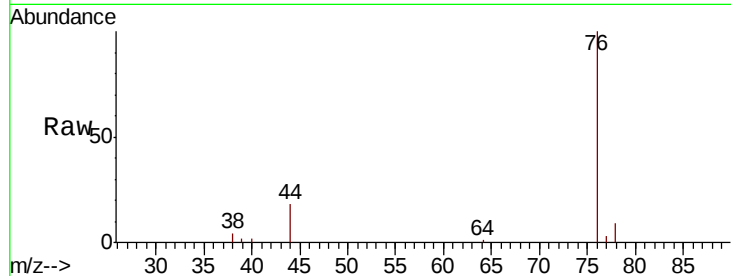
#17
Carbon Disulfide
Concen: 2.159 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

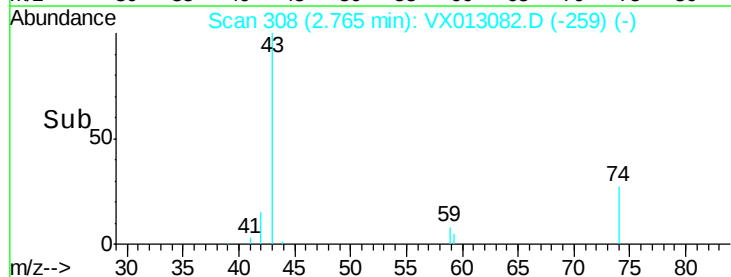
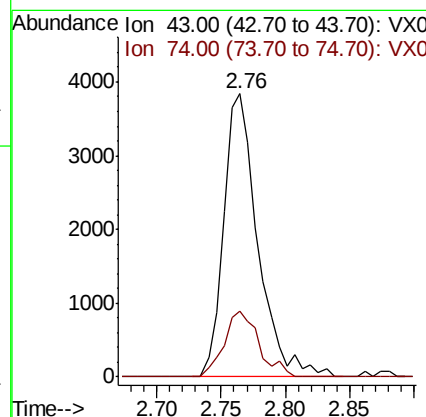
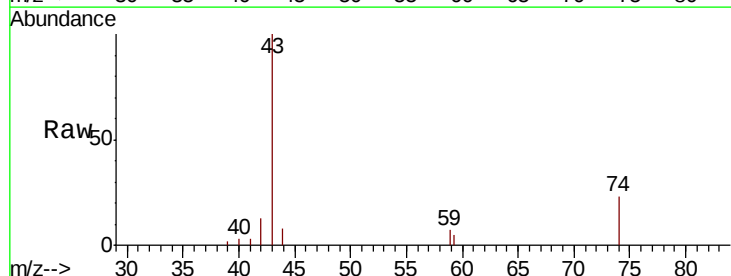
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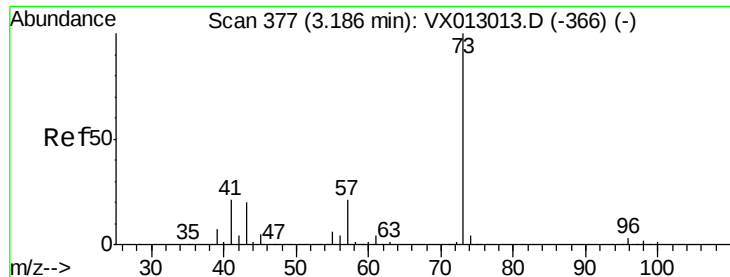
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#18
Methyl Acetate
Concen: 2.853 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





#19

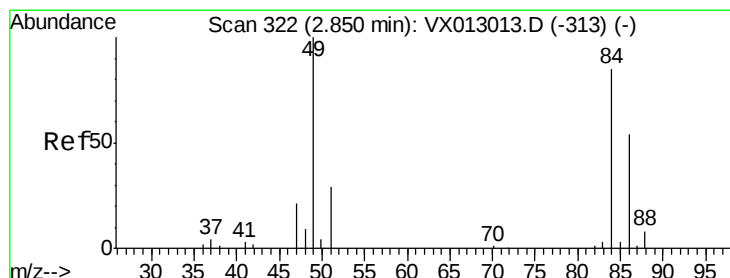
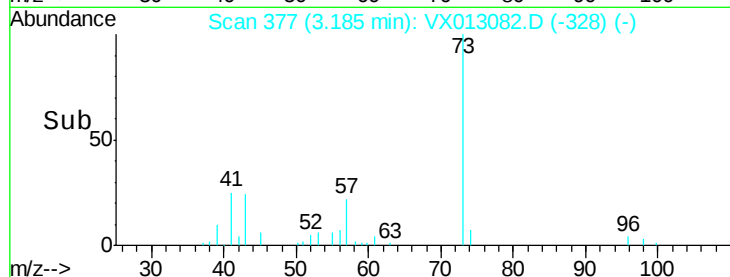
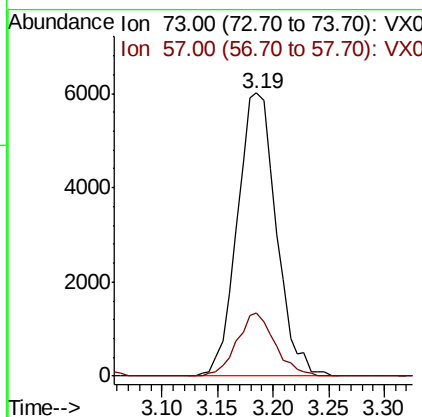
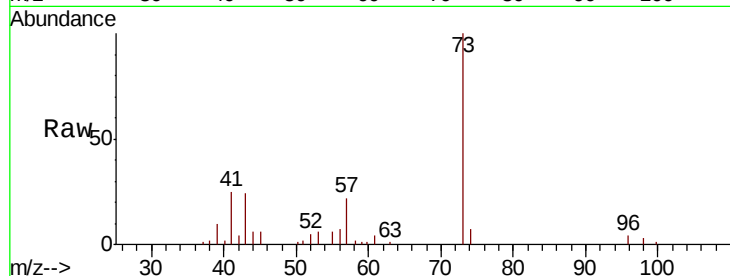
Methyl tert-butyl Ether
 Concen: 2.614 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.8	26.6

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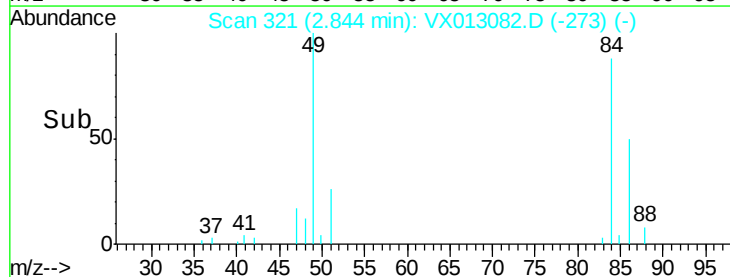
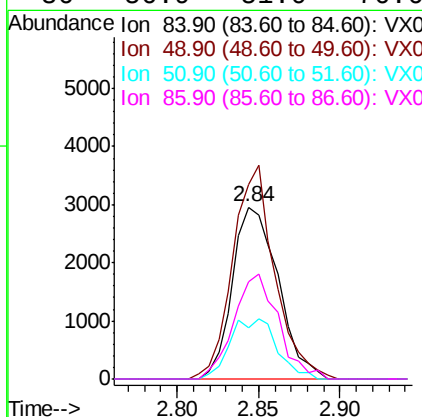
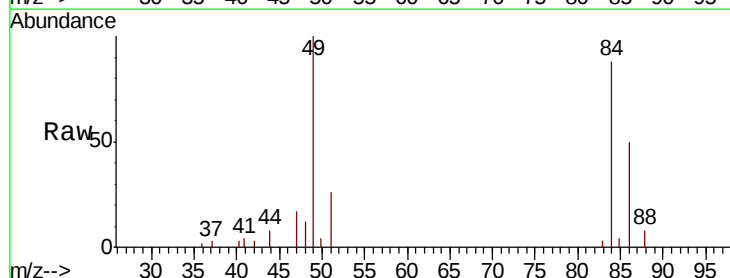
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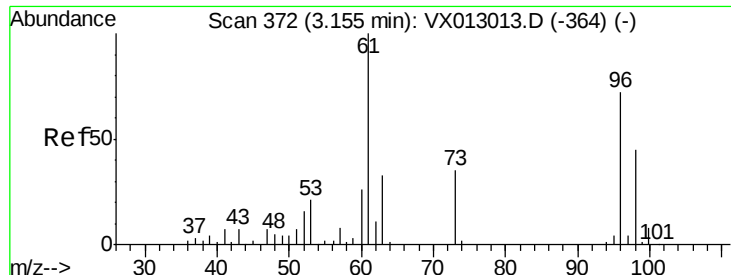


#20

Methylene Chloride
 Concen: 2.983 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.5	96.6	144.8
51	30.1	30.7	46.1
86	56.9	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 2.716 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

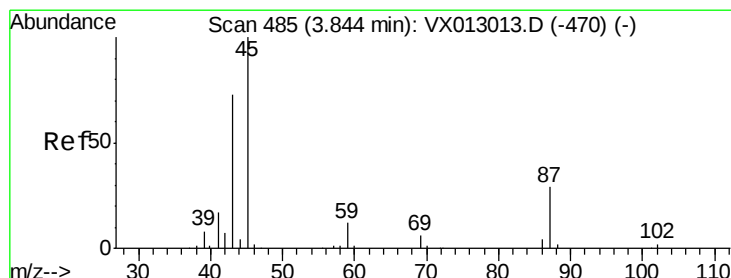
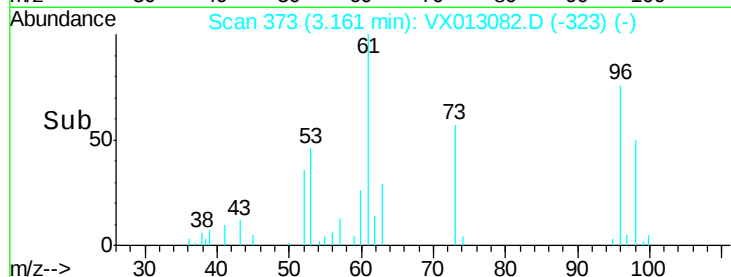
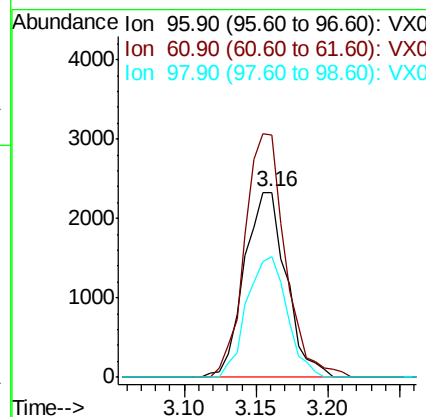
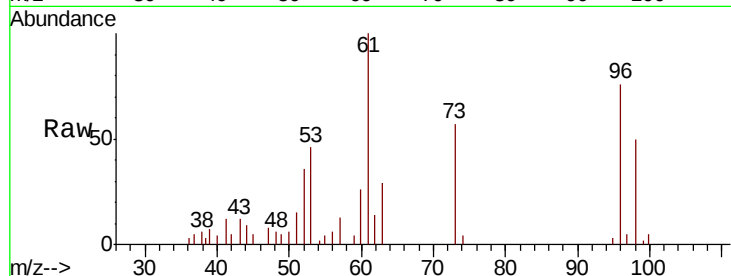
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	96	Resp:	4705
Ion	Ratio	Lower	Upper
96	100		
61	131.2	110.4	165.6
98	65.6	51.5	77.3

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#22

Diisopropyl ether

Concen: 2.584 ug/l

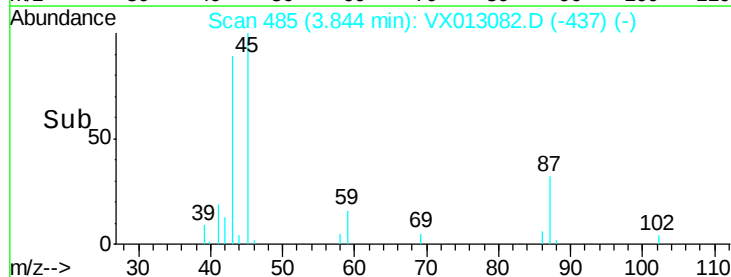
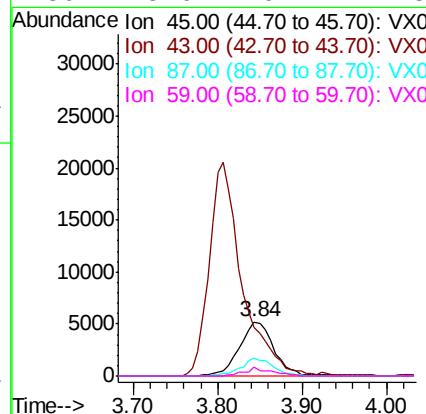
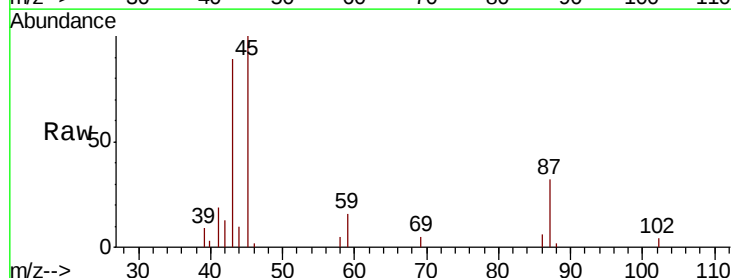
RT: 3.84 min Scan# 485

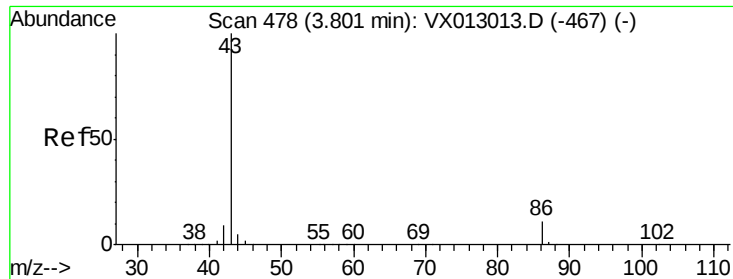
Delta R.T. -0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	45	Resp:	14251
Ion	Ratio	Lower	Upper
45	100		
43	87.9	51.4	77.0#
87	32.3	22.5	33.7
59	15.6	9.7	14.5#





#23

Vinyl Acetate

Concen: 11.650 ug/l

RT: 3.81 min Scan# 479

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 43 Resp: 55460

Ion Ratio Lower Upper

43 100

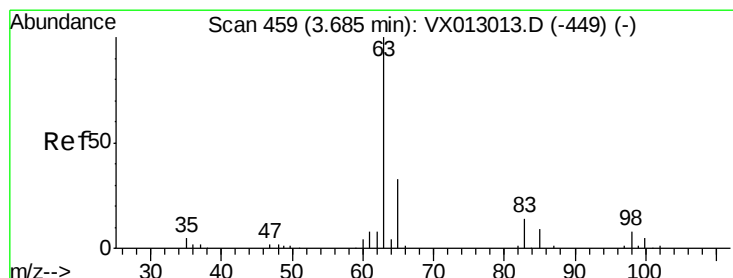
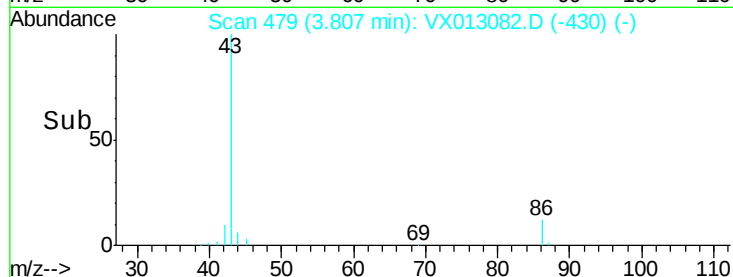
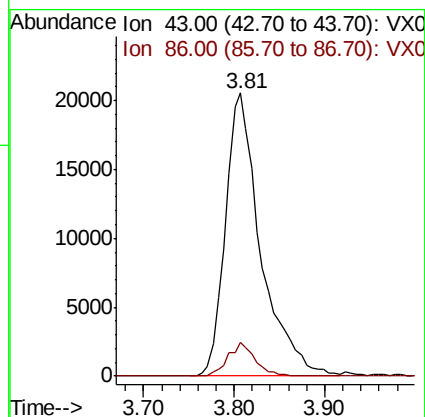
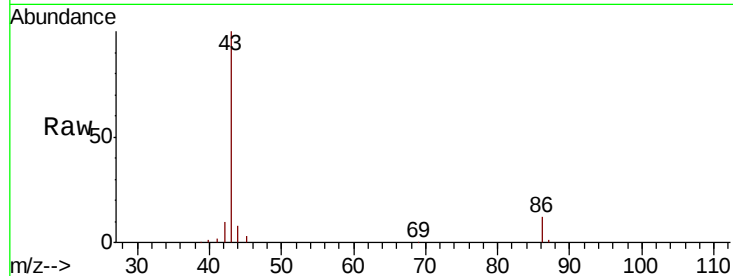
86 11.7 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 2.693 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

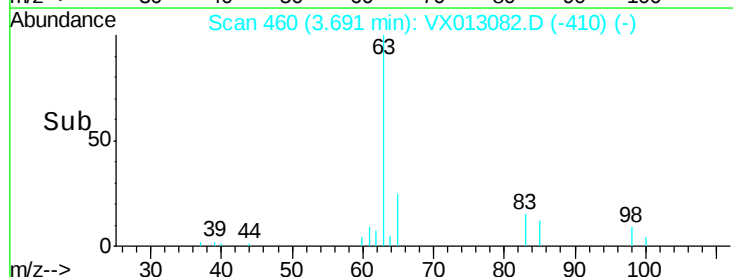
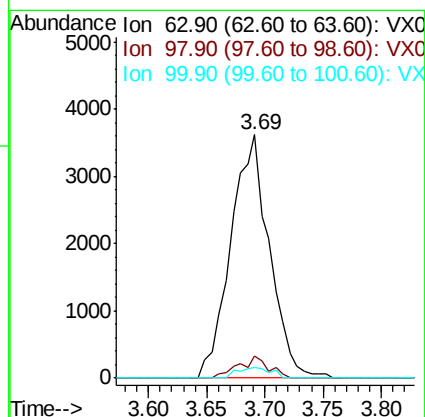
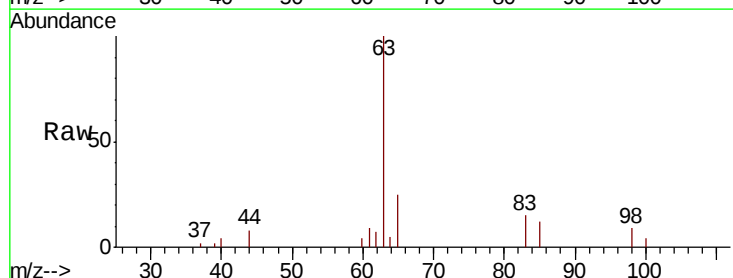
Tgt Ion: 63 Resp: 8356

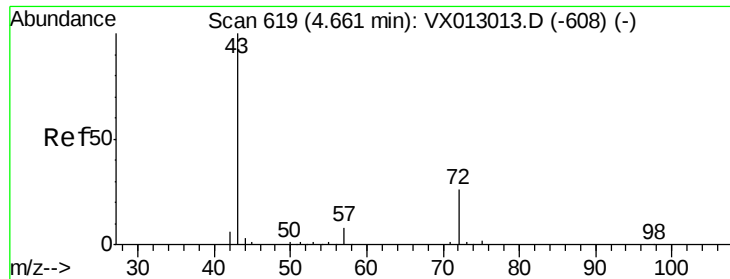
Ion Ratio Lower Upper

63 100

98 9.2 3.9 11.5

100 4.1 2.3 6.9





#25

2-Butanone

Concen: 12.855 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 43 Resp: 18790

Ion Ratio Lower Upper

43 100

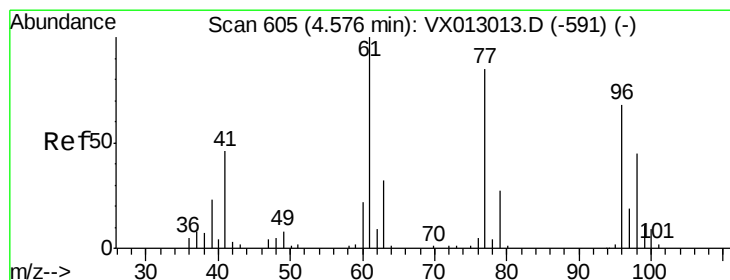
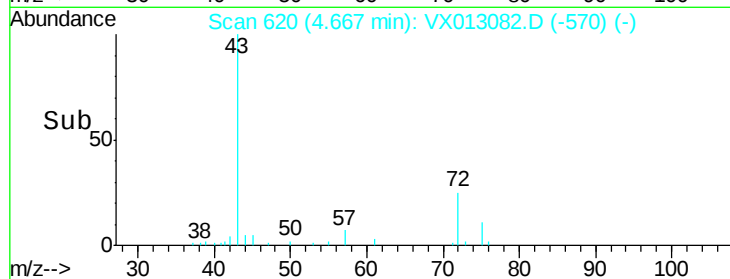
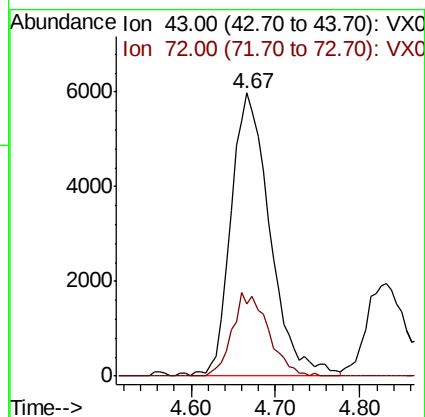
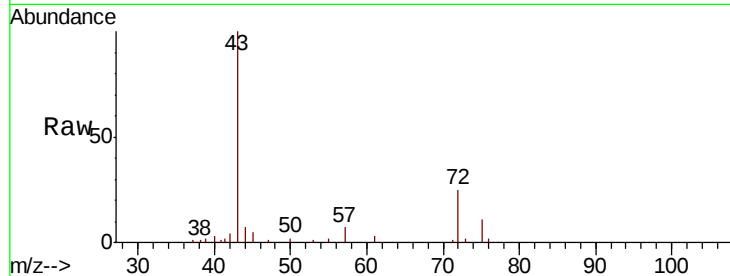
72 25.4 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.430 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX013082.D

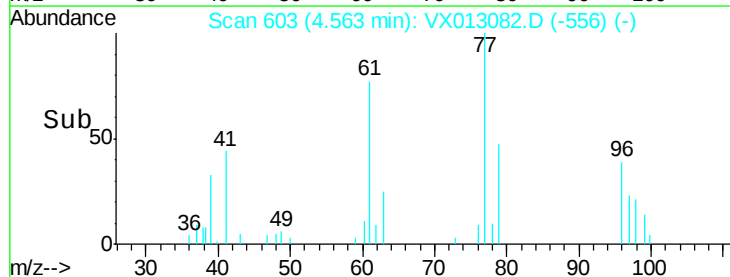
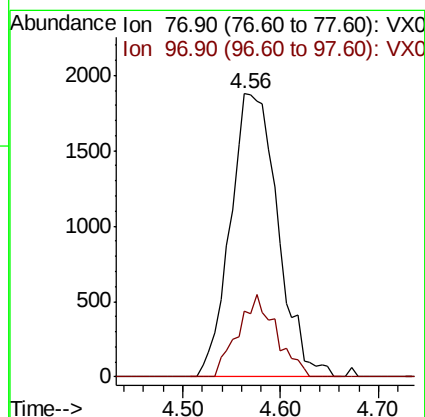
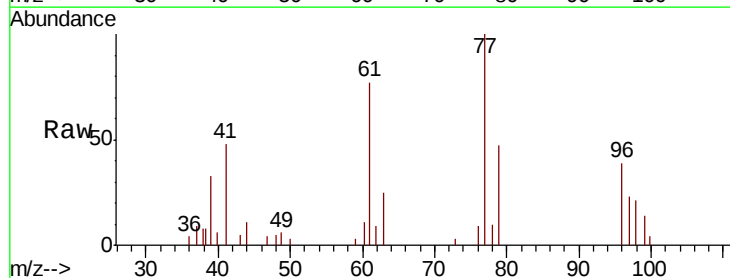
Acq: 15 Oct 2019 16:50

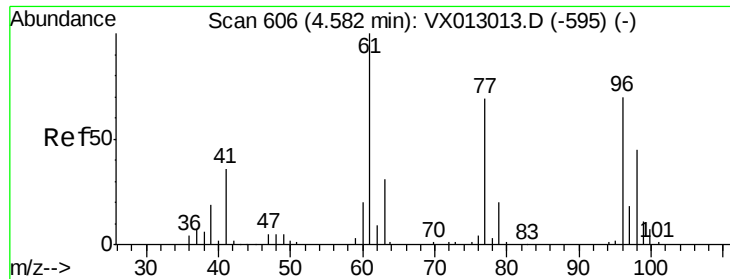
Tgt Ion: 77 Resp: 6339

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9





#27

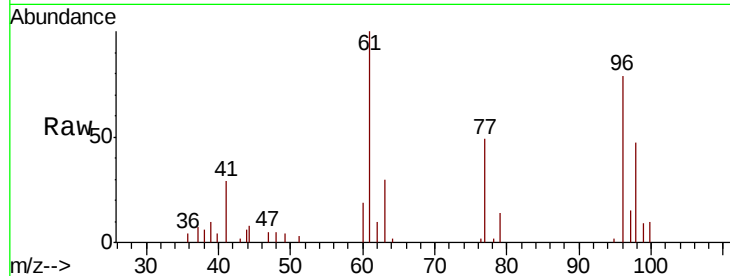
cis-1,2-Dichloroethene
Concen: 2.810 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

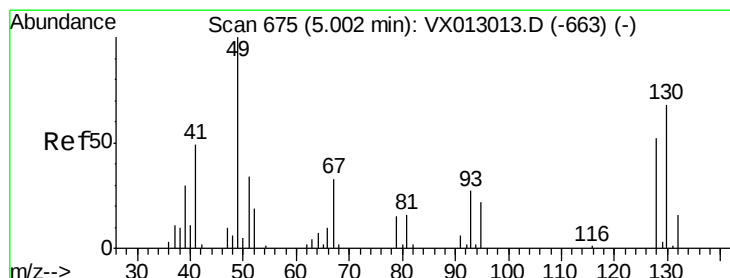
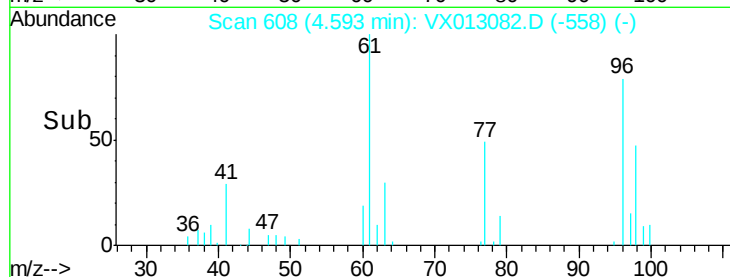
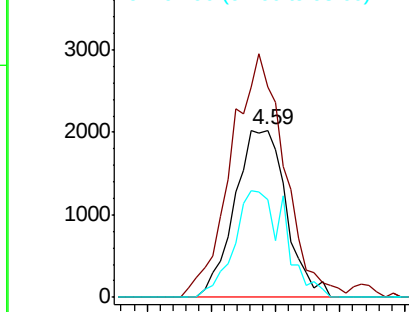
Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	290.6
98	63.0	0.0	128.8

Manual Integrations
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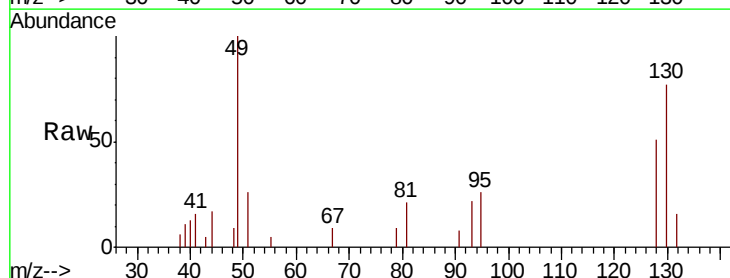
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



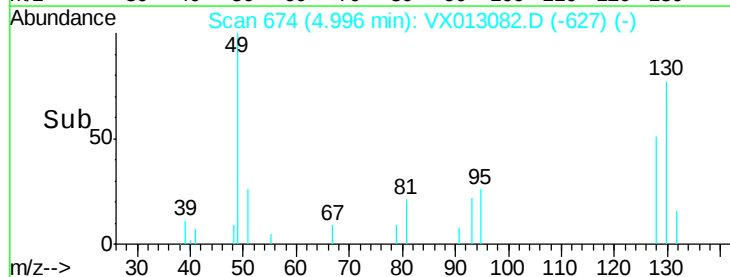
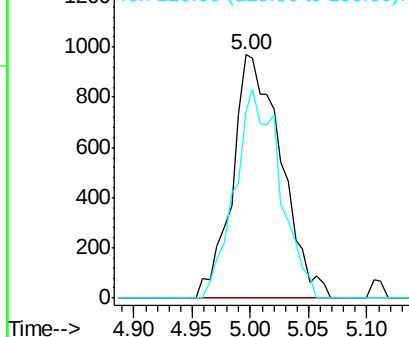
#28

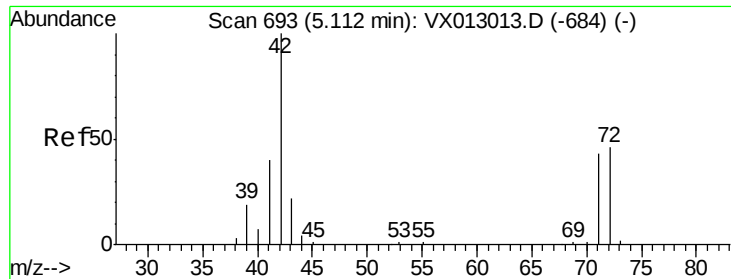
Bromochloromethane
Concen: 3.164 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	79.5	62.1	93.1



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





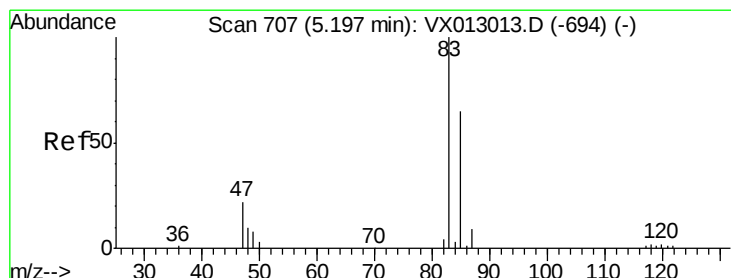
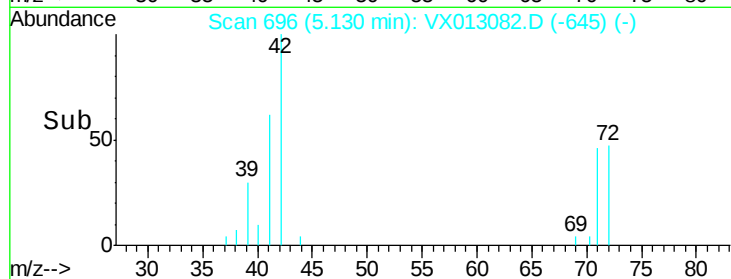
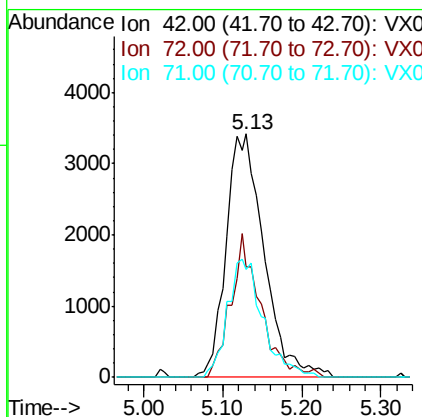
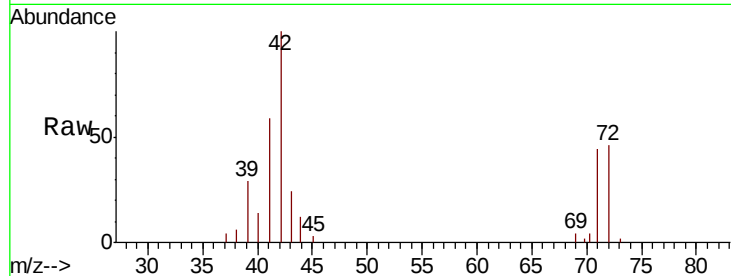
#29
Tetrahydrofuran
Concen: 12.684 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.9	55.3
71	45.2	33.5	50.3

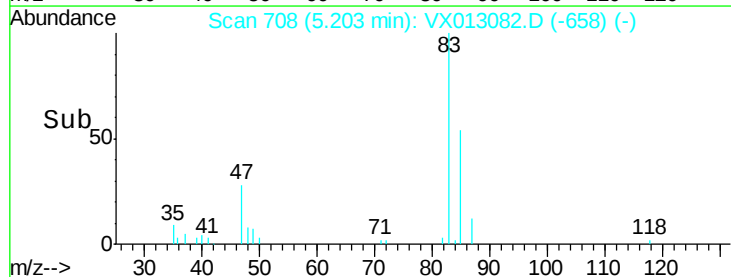
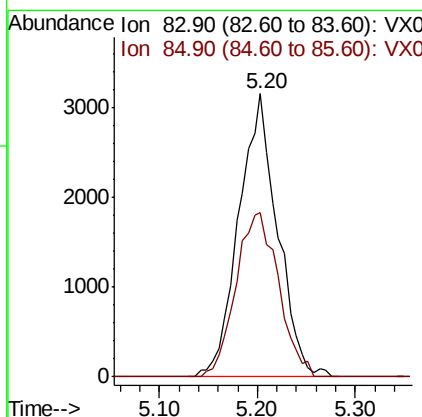
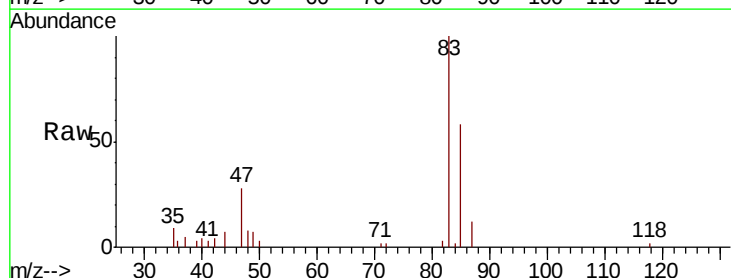
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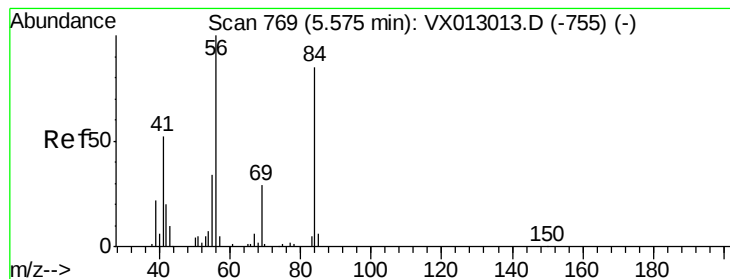
MMDadoda
10/16/2019 9:57:17 AM



#30
Chloroform
Concen: 2.711 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.1	51.5	77.3





#31

Cyclohexane

Concen: 2.502 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

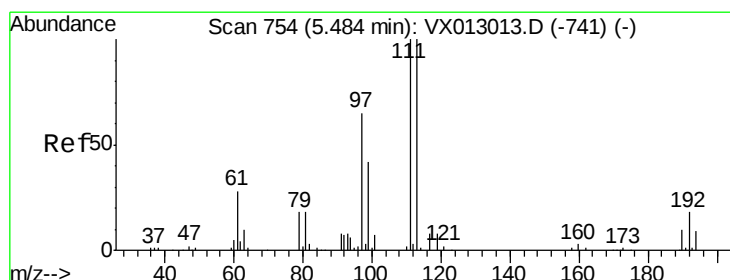
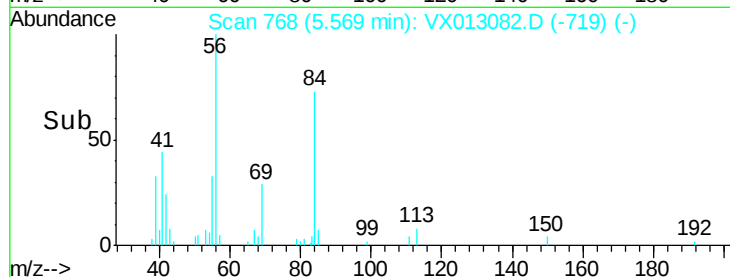
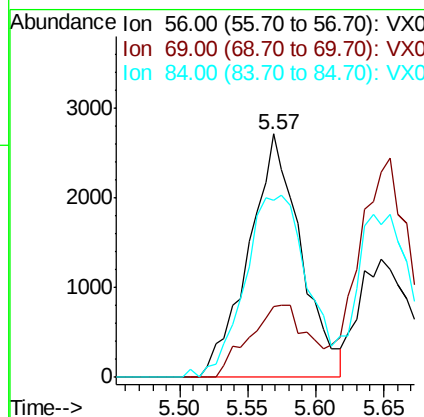
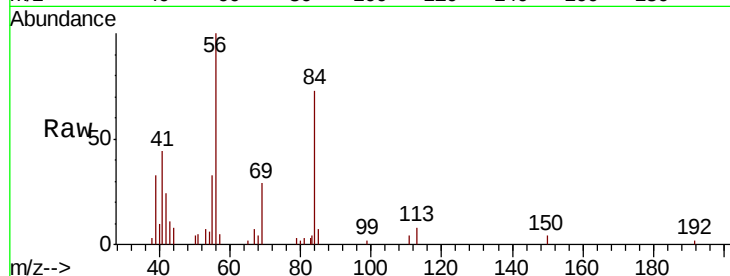
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	56	Resp:	7258
Ion	Ratio	Lower	Upper
56	100		
69	28.9	25.2	37.8
84	69.4	71.3	106.9#

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#32

1,1,1-Trichloroethane

Concen: 2.484 ug/l

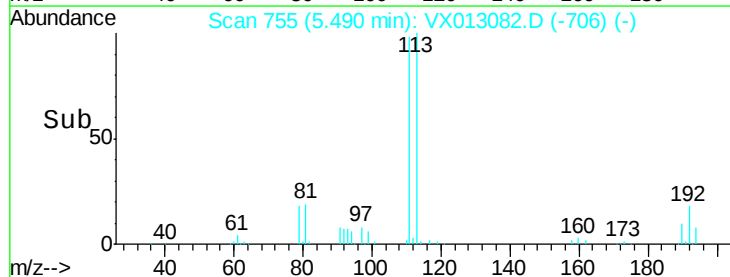
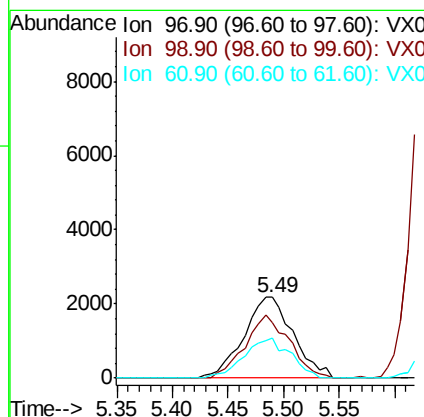
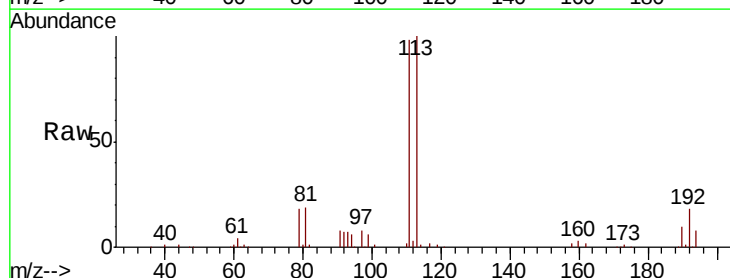
RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	97	Resp:	6701
Ion	Ratio	Lower	Upper
97	100		
99	70.2	52.3	78.5
61	46.7	35.0	52.4





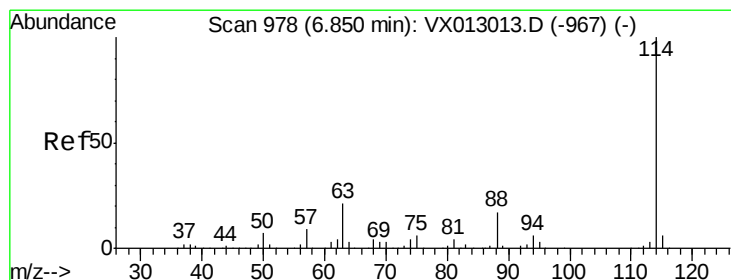
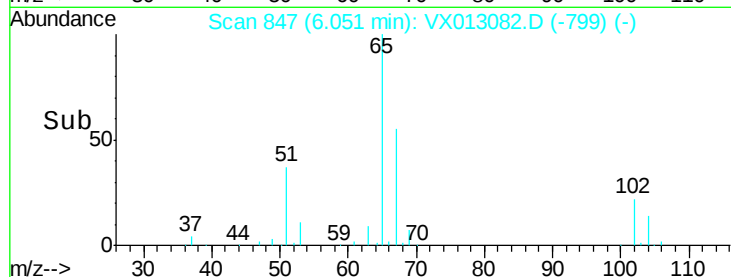
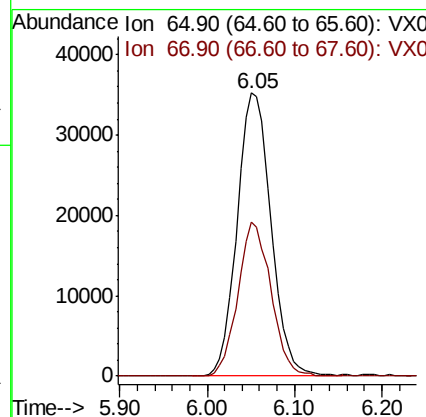
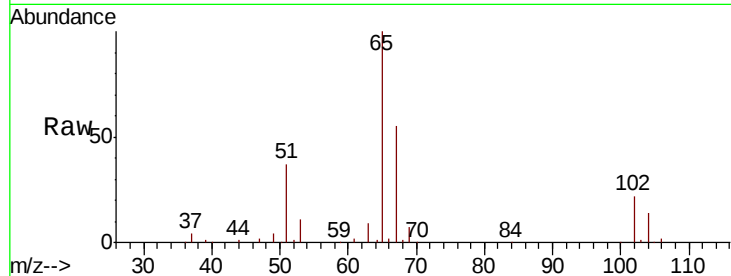
#33
 1,2-Dichloroethane-d4
 Concen: 47.612 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.4

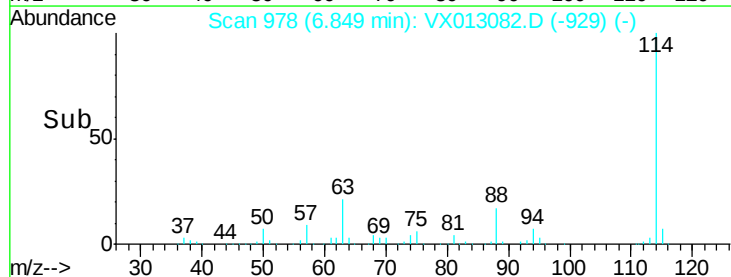
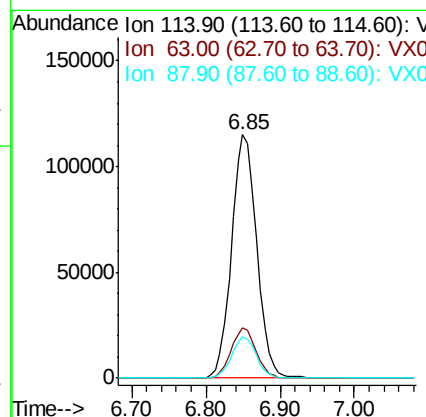
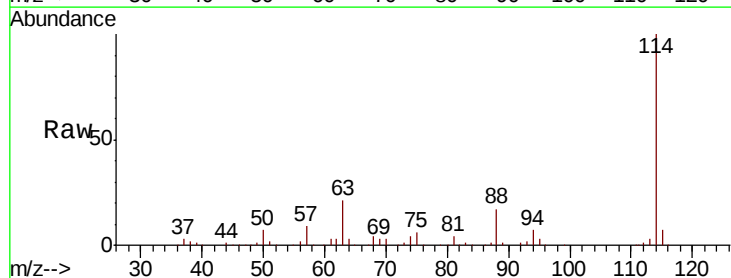
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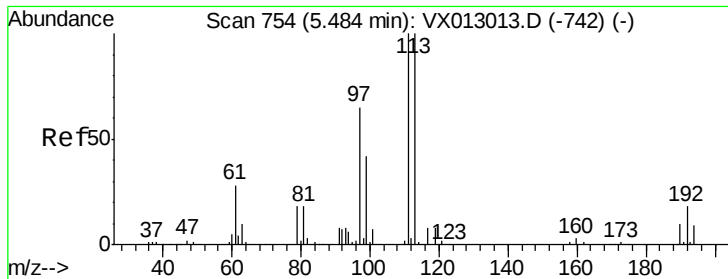
MMDadoda
 10/16/2019 9:57:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	17.1	0.0	33.8





#35

Dibromofluoromethane

Concen: 47.084 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

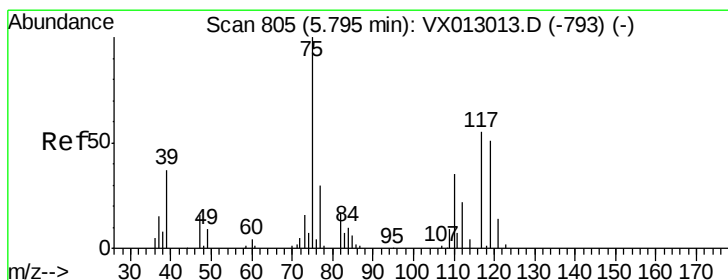
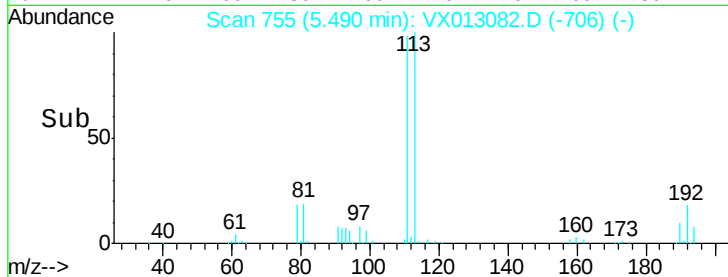
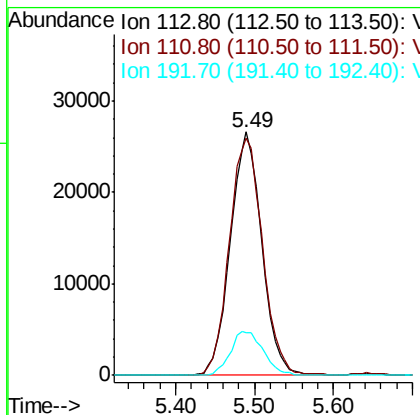
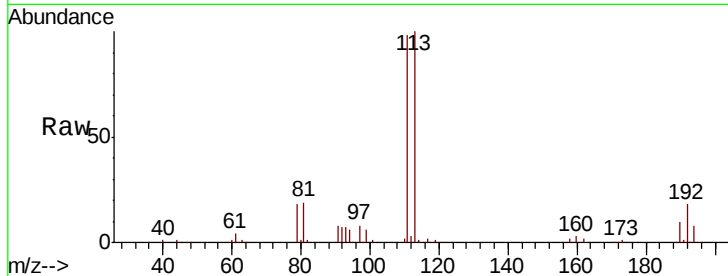
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	113	Resp:	73610
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.2	124.8
192	19.1	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 2.542 ug/l

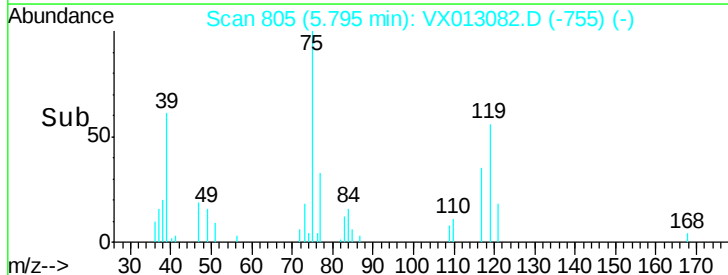
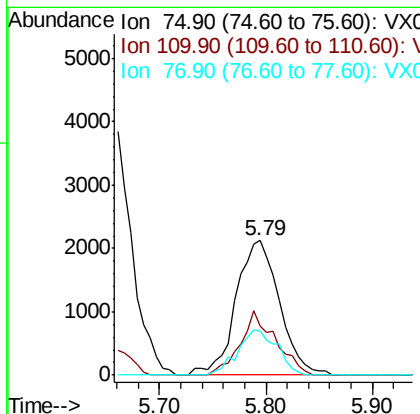
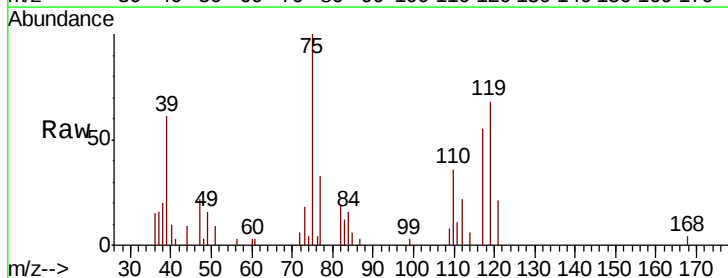
RT: 5.79 min Scan# 805

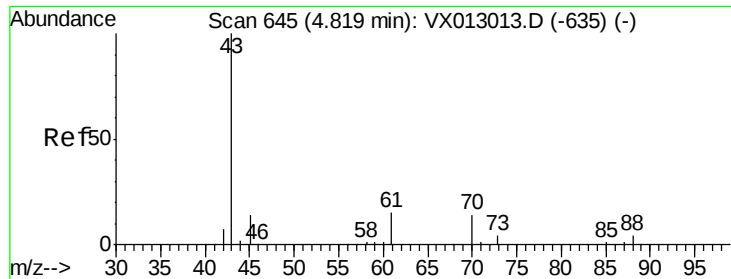
Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	75	Resp:	6088
Ion Ratio	Lower	Upper	
75	100		
110	38.7	17.6	52.9
77	30.5	24.4	36.6





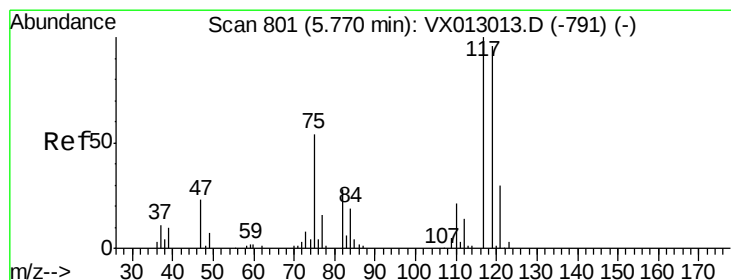
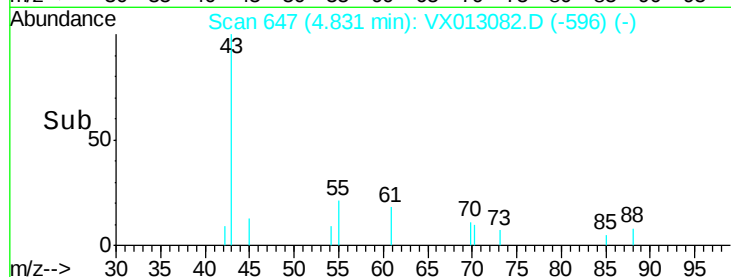
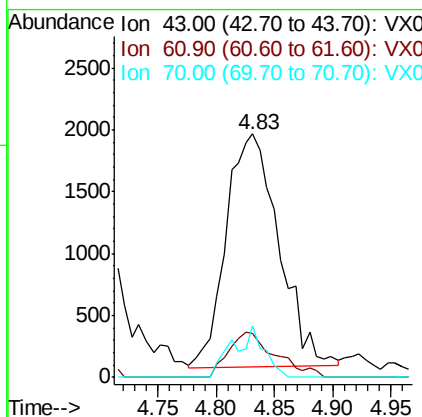
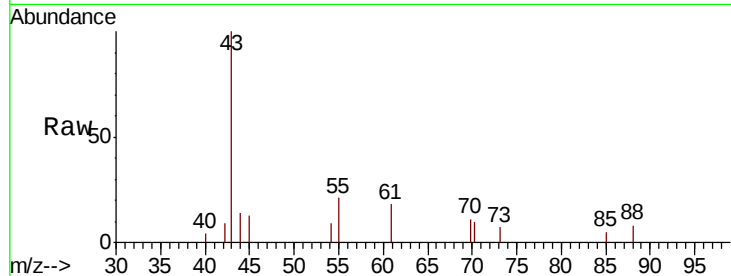
#37
Ethyl Acetate
Concen: 2.213 ug/l
RT: 4.83 min Scan# 647
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	11.4	17.0#
70	12.9	9.8	14.6

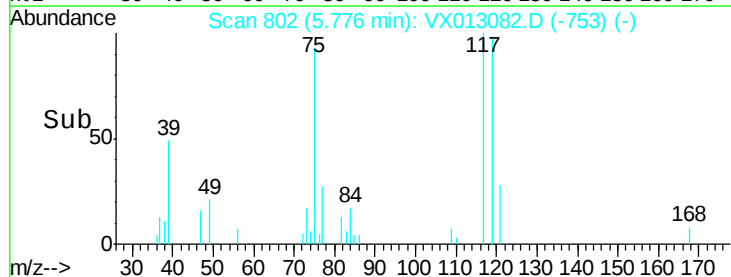
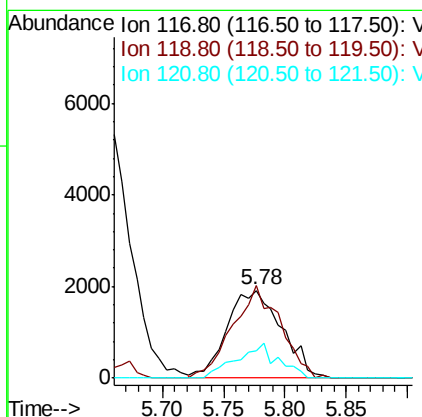
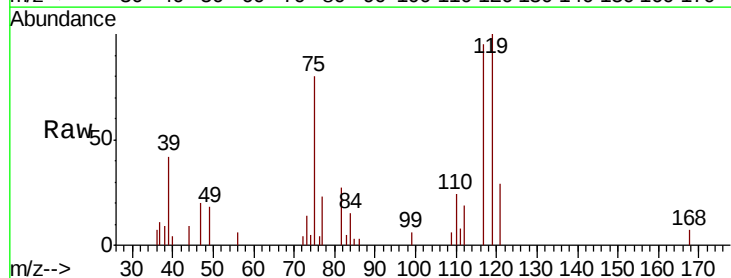
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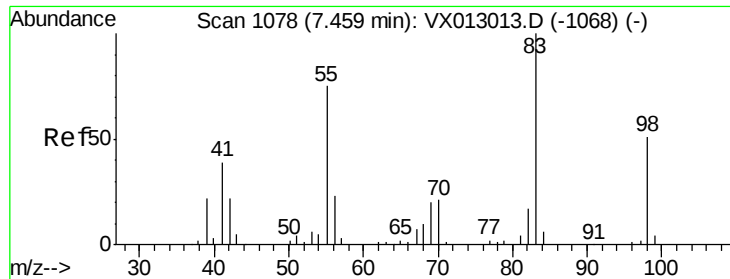
MMDadoda
10/16/2019 9:57:17 AM



#38
Carbon Tetrachloride
Concen: 2.552 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.8	74.5	111.7
121	30.8	24.2	36.4





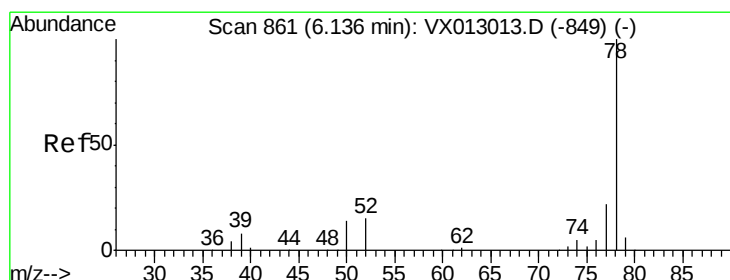
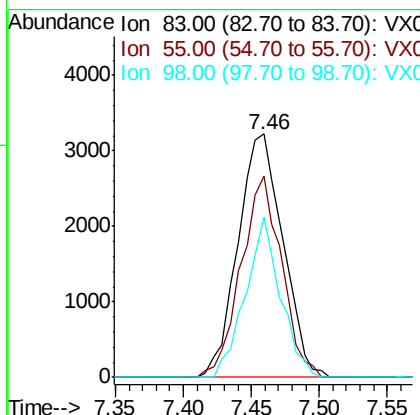
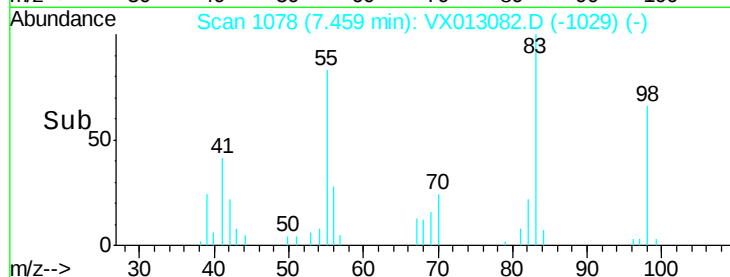
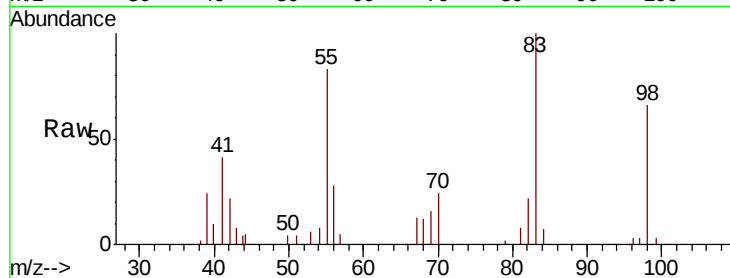
#39
Methvlcvclohexane
Concen: 2.558 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.7	60.2	90.4
98	66.1	38.5	57.7

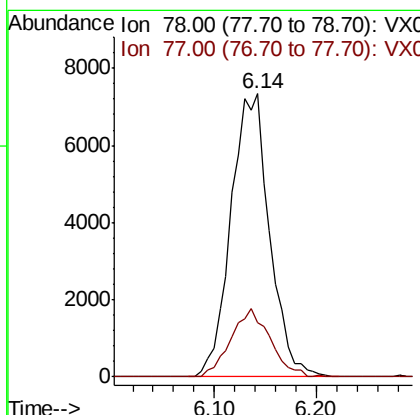
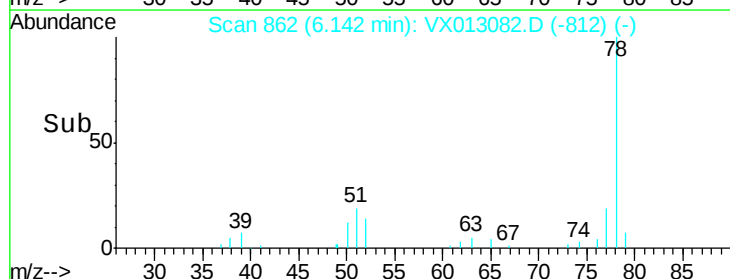
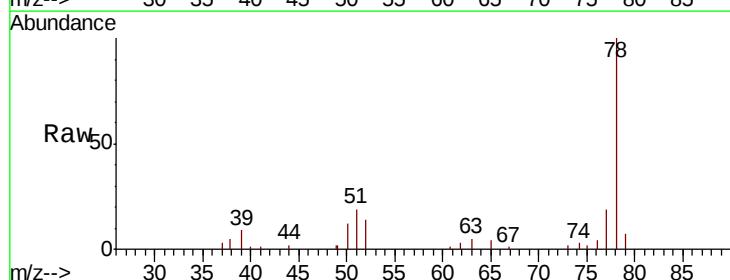
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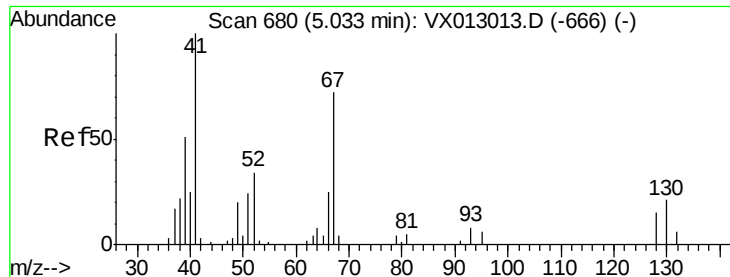
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#40
Benzene
Concen: 2.722 ug/l
RT: 6.14 min Scan# 862
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.3	19.0	28.4





#41

Methacrylonitrile

Concen: 2.534 ug/l

RT: 5.03 min Scan# 680

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

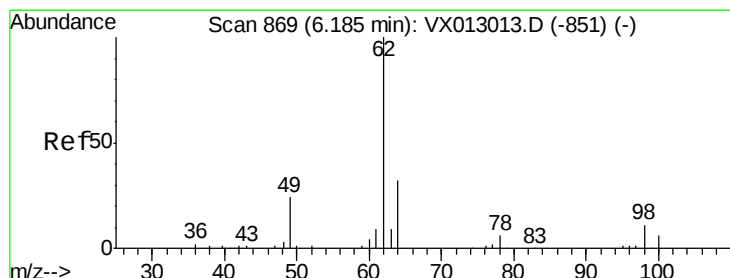
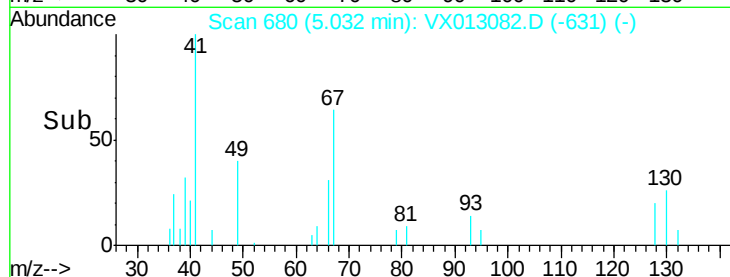
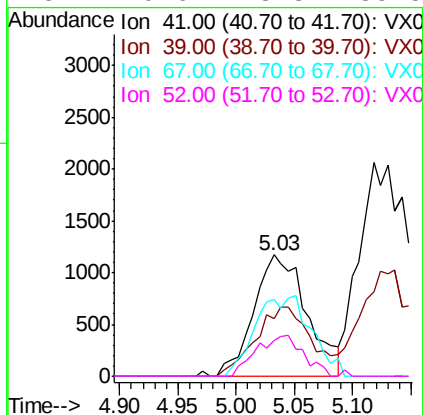
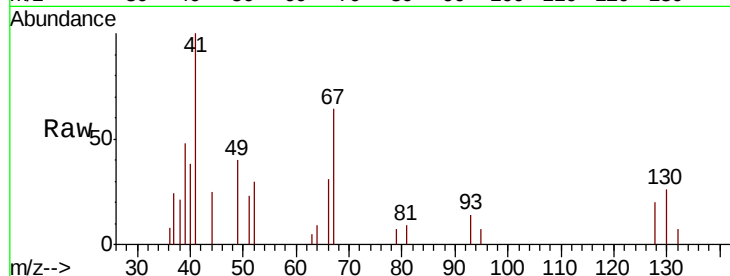
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.9	44.0	66.0	
67	35.9	58.5	87.7	
52	29.6	23.8	35.8	

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#42

1,2-Dichloroethane

Concen: 2.878 ug/l

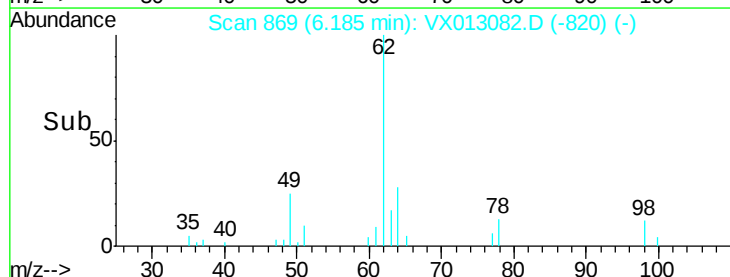
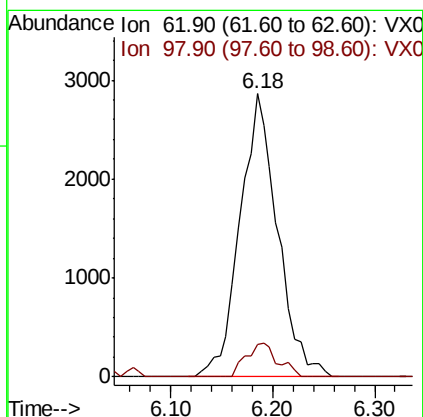
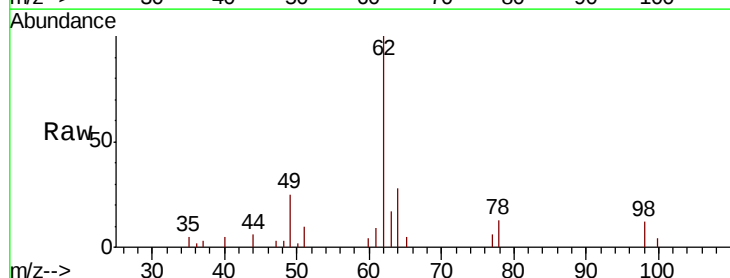
RT: 6.18 min Scan# 869

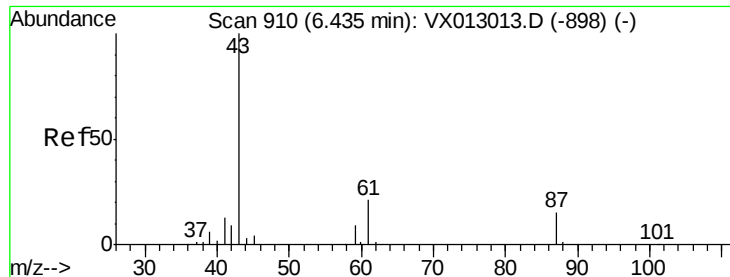
Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

Isopropyl Acetate

Concen: 2.424 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

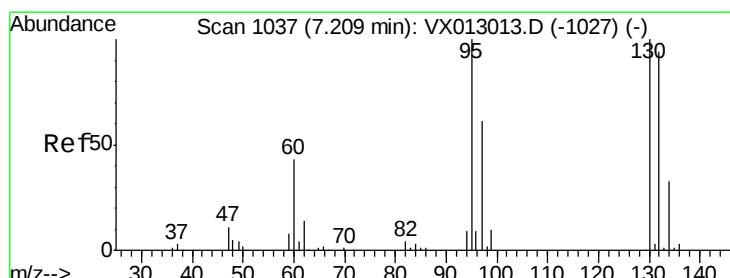
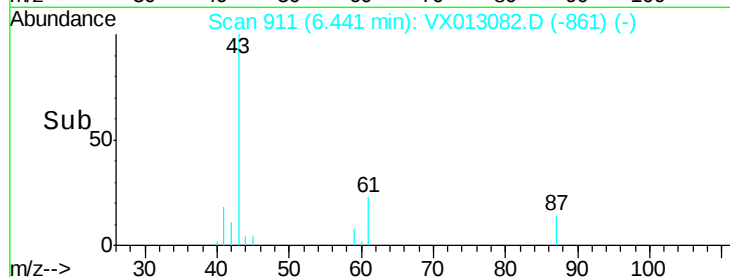
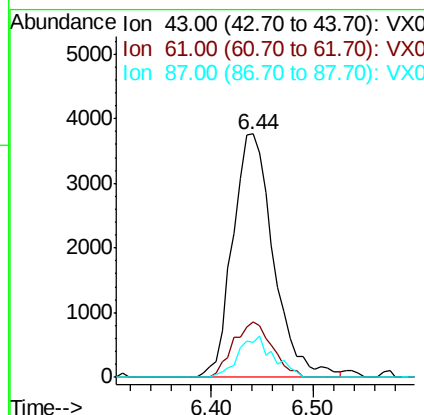
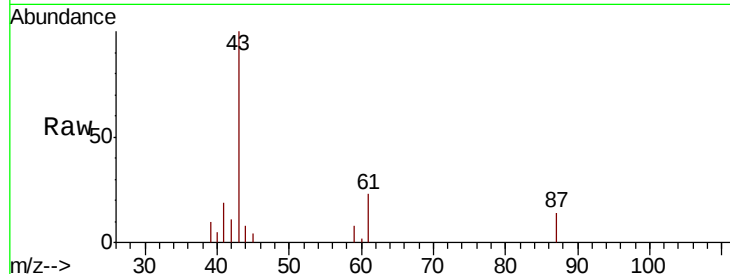
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	43	Resp:	10419
Ion	Ratio	Lower	Upper
43	100		
61	21.5	16.6	24.8
87	14.3	11.0	16.6

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#44

Trichloroethene

Concen: 2.597 ug/l

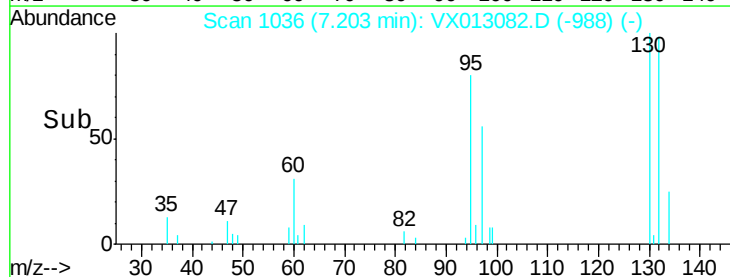
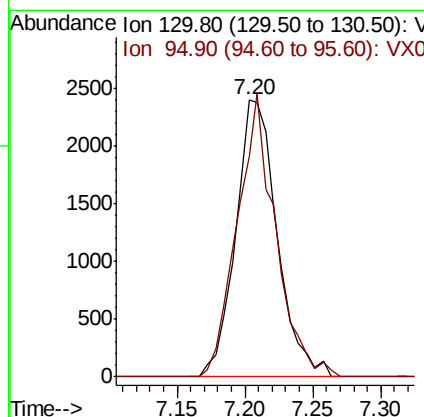
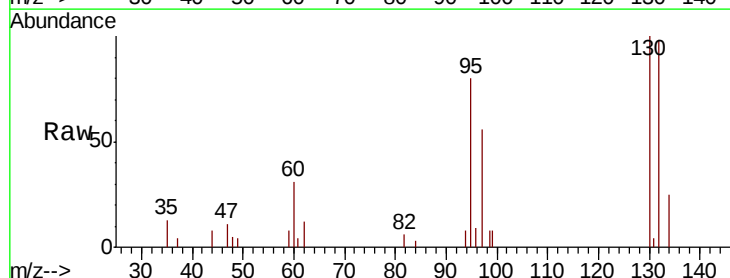
RT: 7.20 min Scan# 1036

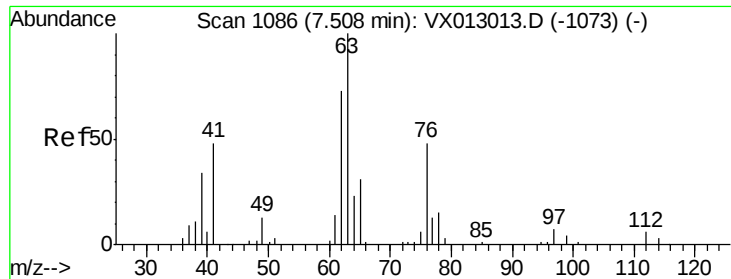
Delta R.T. -0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	130	Resp:	5093
Ion	Ratio	Lower	Upper
130	100		
95	79.6	0.0	189.2





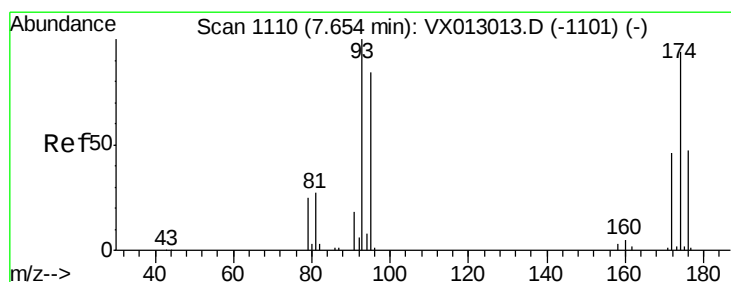
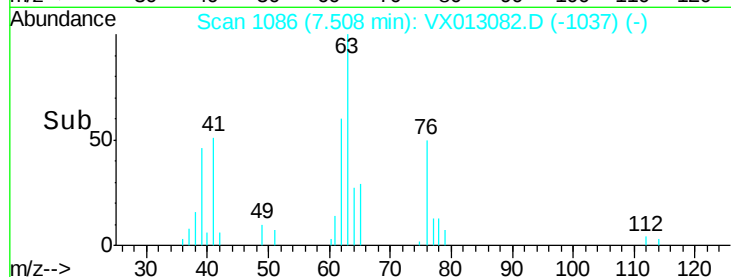
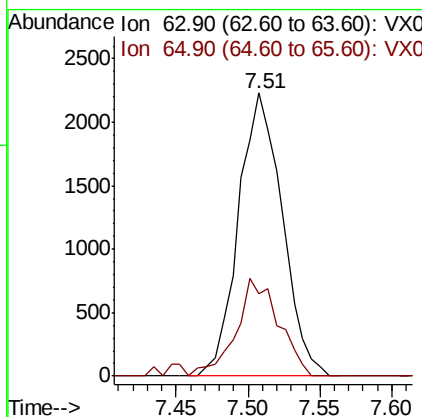
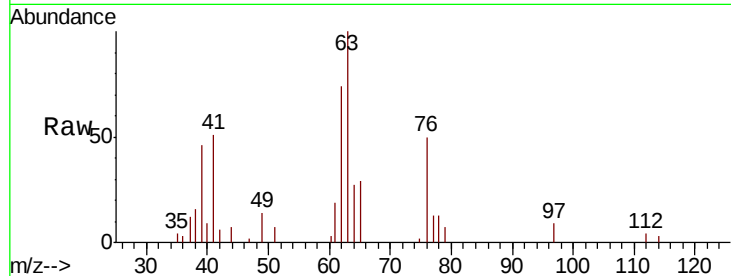
#45
 1,2-Dichloropropane
 Concen: 2.606 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 63 Resp: 4698
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.6 37.0

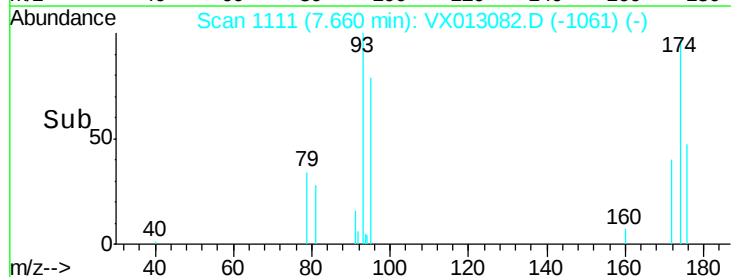
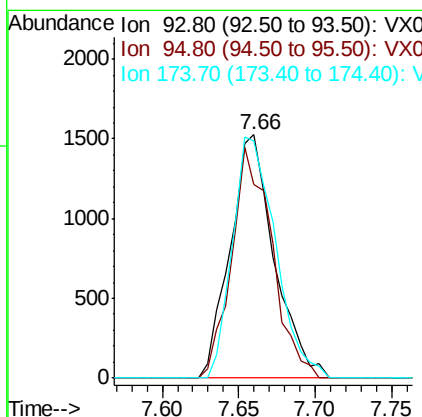
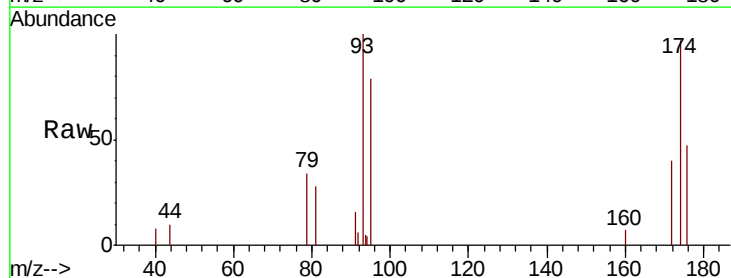
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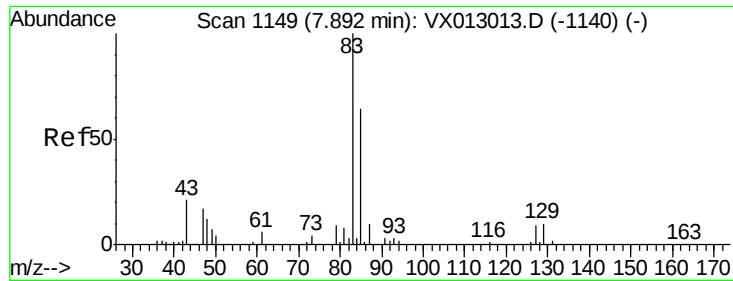
MMDadoda
 10/16/2019 9:57:17 AM



#46
 Dibromomethane
 Concen: 2.544 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Tgt Ion: 93 Resp: 3055
 Ion Ratio Lower Upper
 93 100
 95 86.7 66.3 99.5
 174 96.7 77.8 116.6





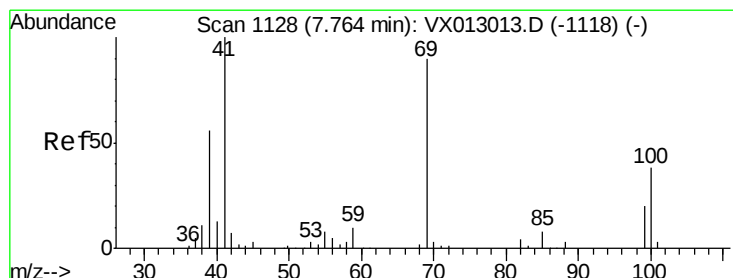
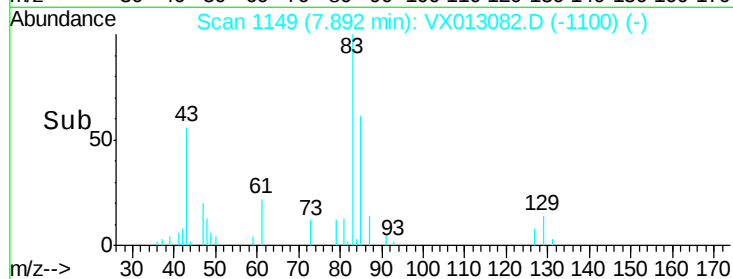
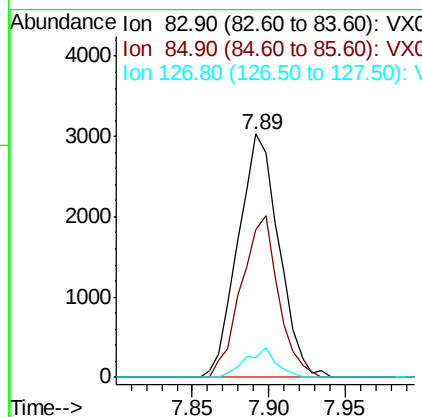
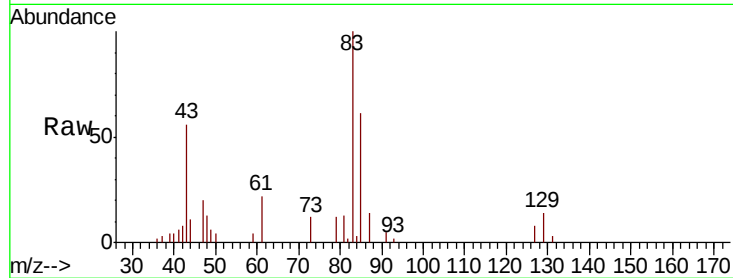
#47
Bromodichloromethane
Concen: 2.402 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	83	Resp	5630
Ion Ratio	Lower	Upper	
83	100		
85	60.7	52.4	78.6
127	7.9	6.6	10.0

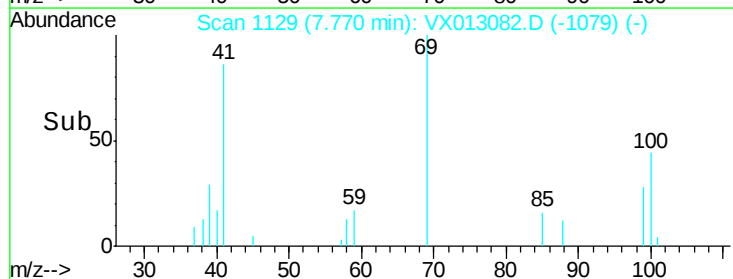
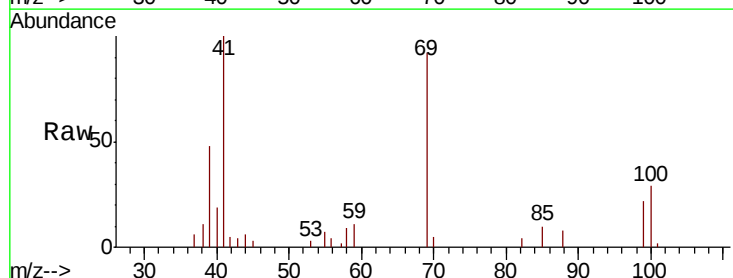
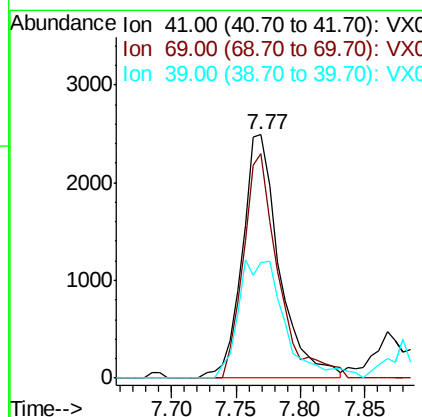
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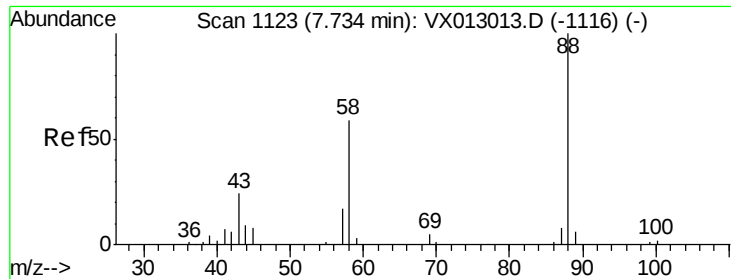
MMDadoda
10/16/2019 9:57:17 AM



#48
Methyl methacrylate
Concen: 2.364 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	41	Resp	4952
Ion Ratio	Lower	Upper	
41	100		
69	86.4	68.7	103.1
39	60.8	44.3	66.5





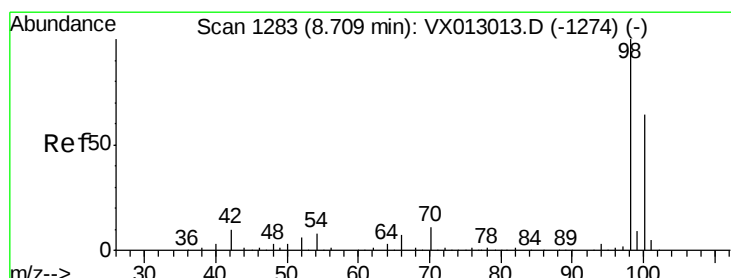
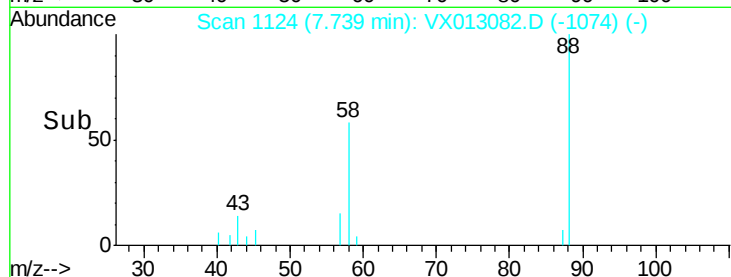
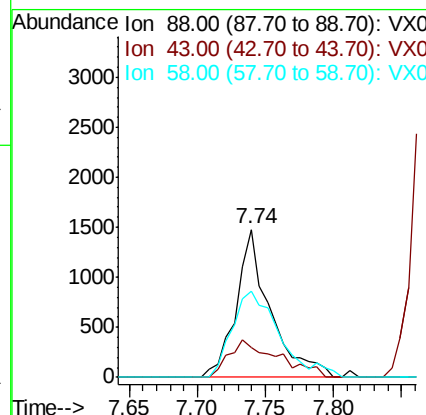
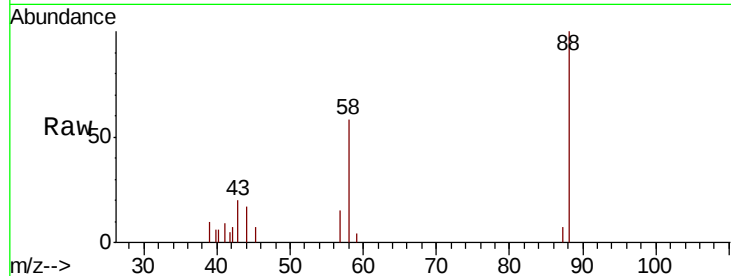
#49
1,4-Dioxane
Concen: 51.107 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	25.0	37.6
58	80.4	55.4	83.2

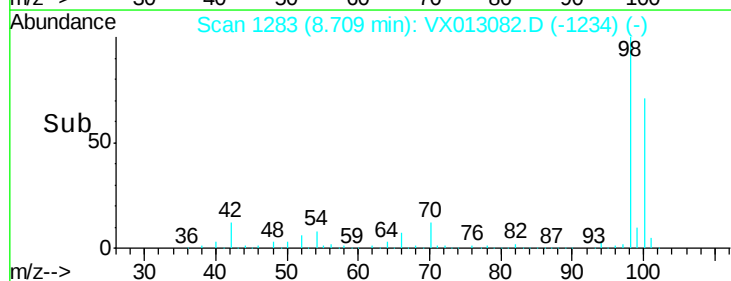
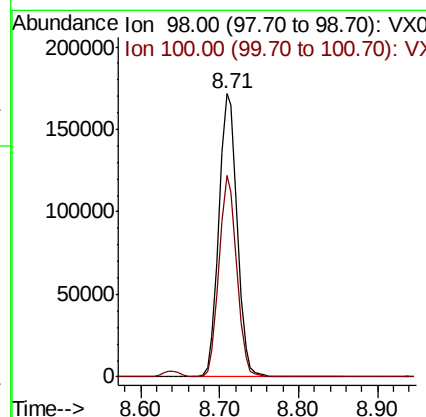
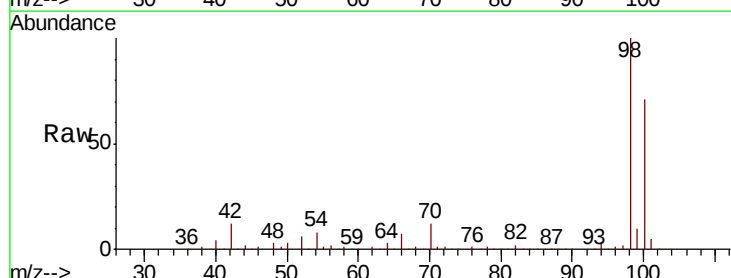
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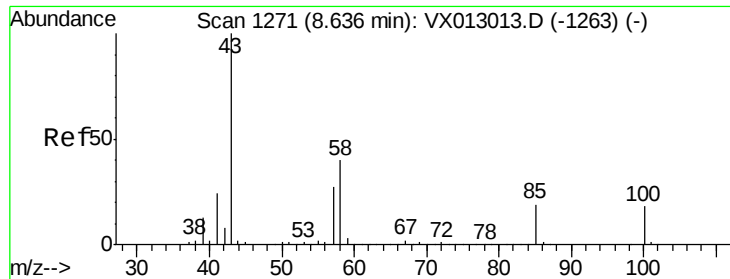
MMDadoda
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#50
Toluene-d8
Concen: 45.585 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	53.4	80.2





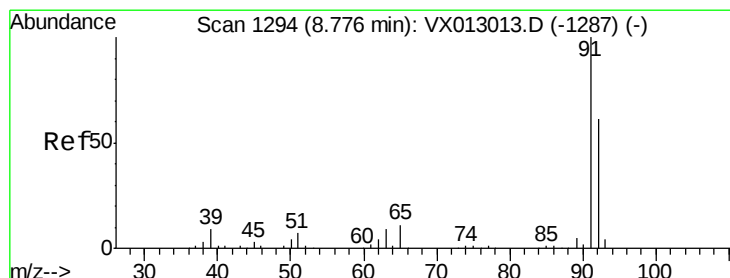
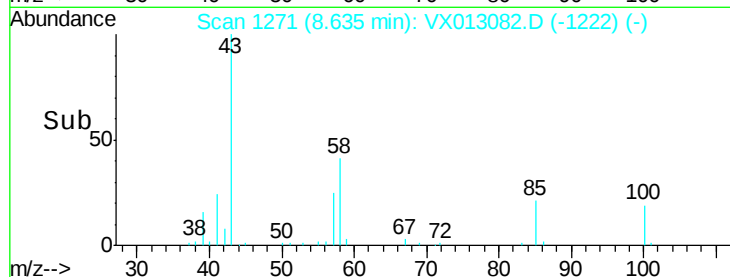
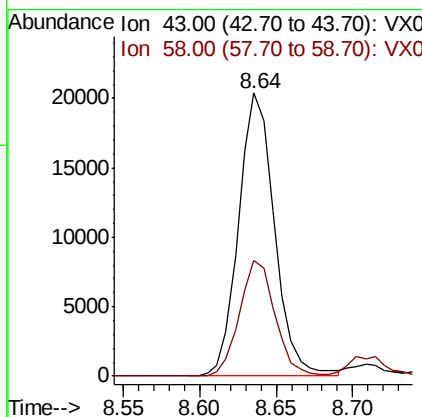
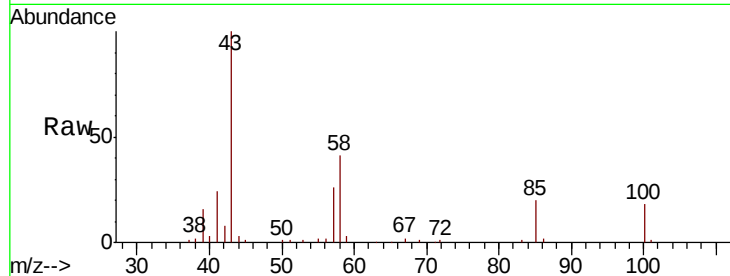
#51
 4-Methyl-2-Pentanone
 Concen: 12.400 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	43	58	Resp	Lower	Upper
33230	100	40.6	32.4	48.6	

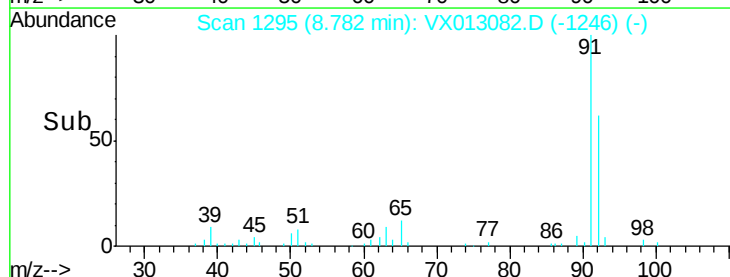
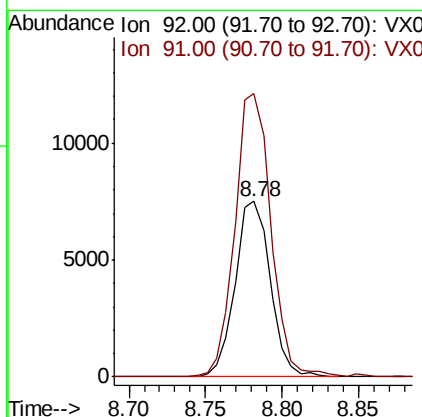
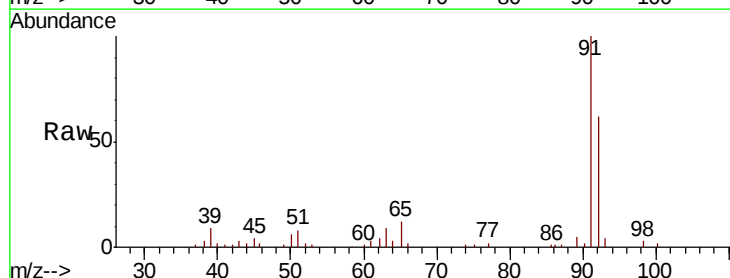
Manual Integrations
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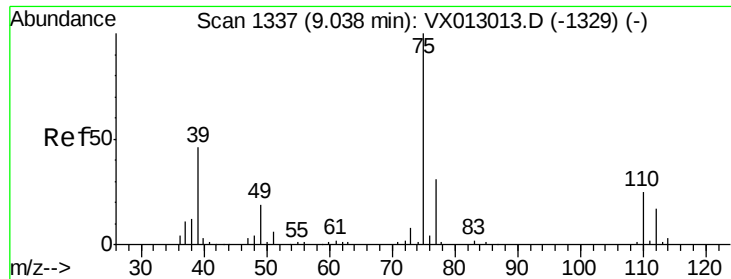
MMDadoda
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#52
 Toluene
 Concen: 2.648 ug/l
 RT: 8.78 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Tgt Ion	92	91	Resp	Lower	Upper
11981	100	165.5	135.9	203.9	





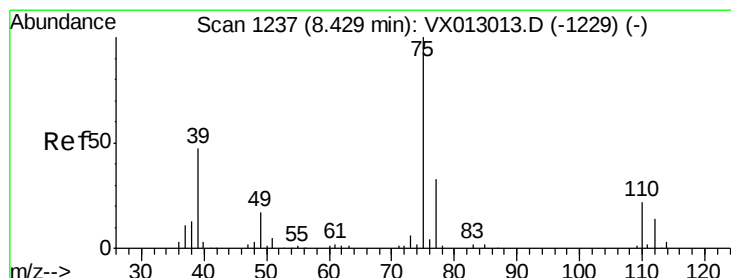
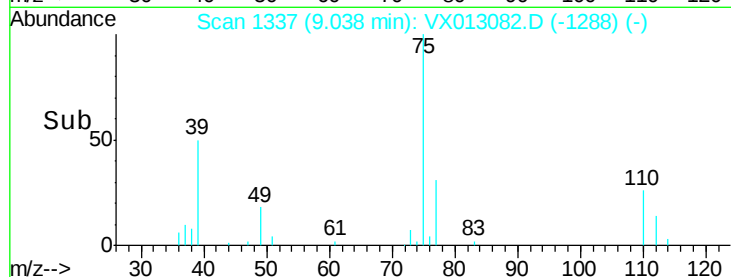
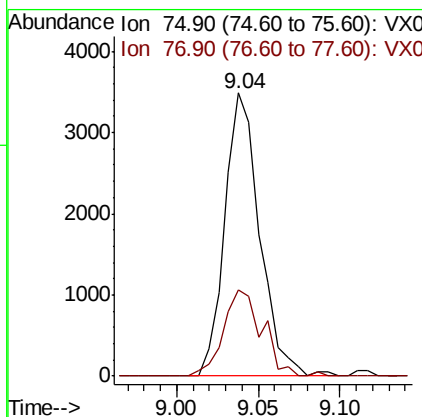
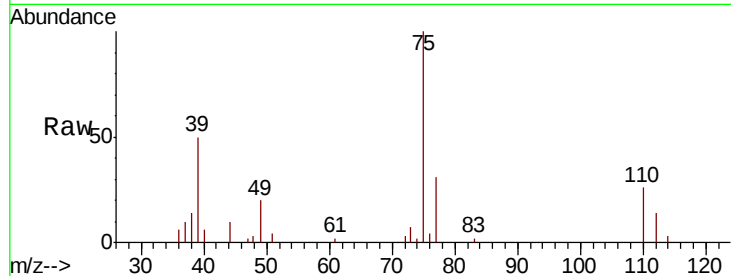
#53
t-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 75 Resp: 5189
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6

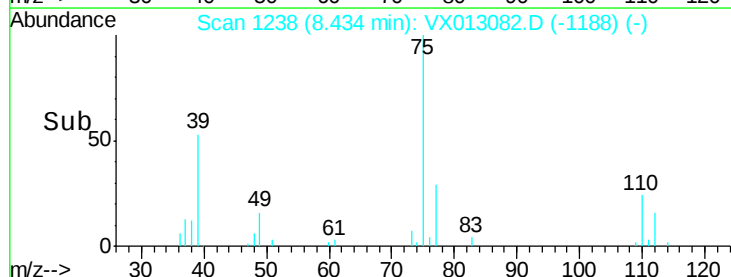
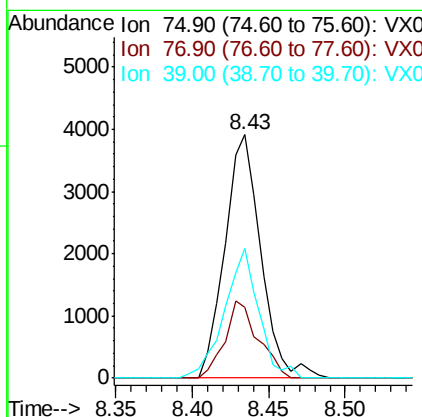
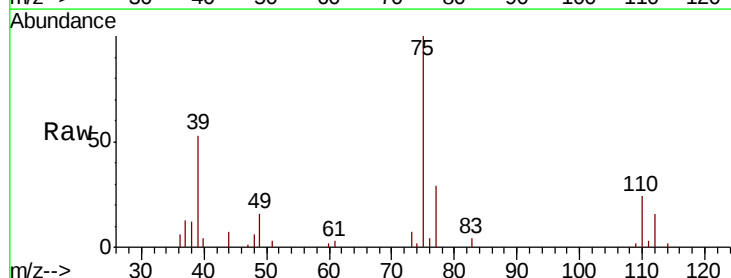
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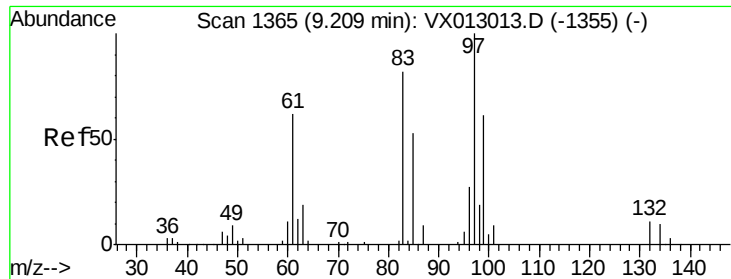
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 2.214 ug/l
RT: 8.43 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion: 75 Resp: 6384
Ion Ratio Lower Upper
75 100
77 29.0 25.8 38.8
39 53.4 38.2 57.2





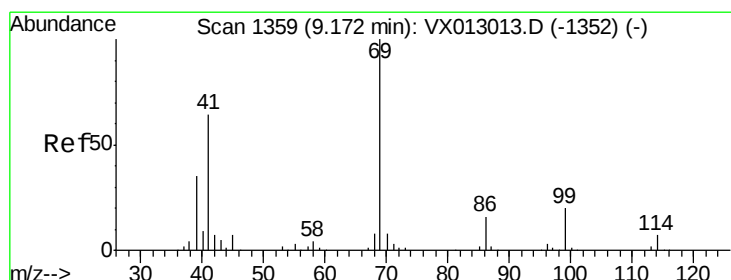
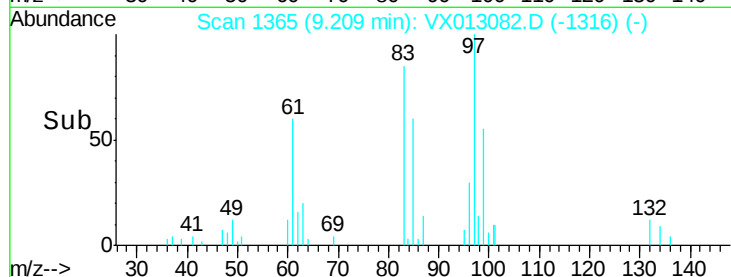
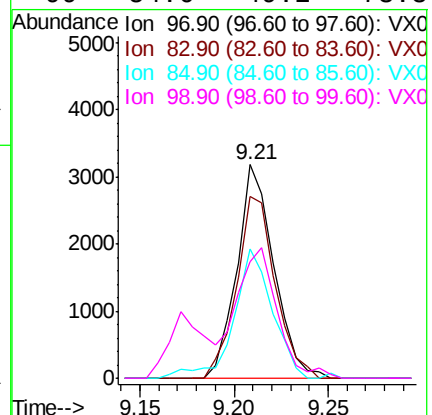
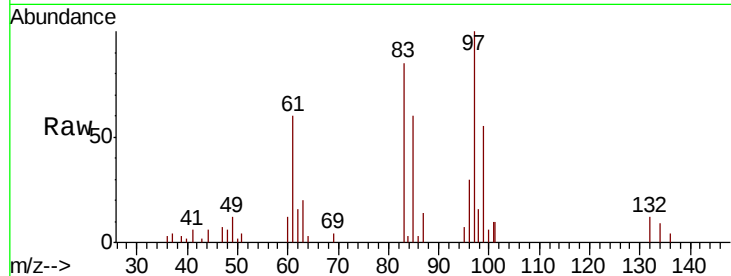
#55
 1,1,2-Trichloroethane
 Concen: 2.417 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	97	Resp:	4329
Ion	Ratio	Lower	Upper
97	100		
83	85.3	66.5	99.7
85	60.5	43.1	64.7
99	54.6	49.2	73.8

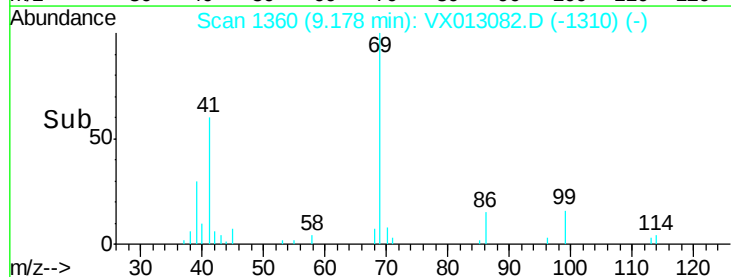
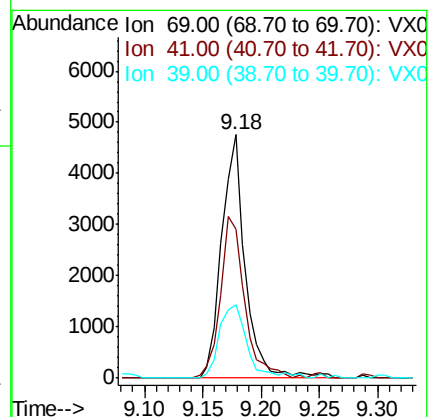
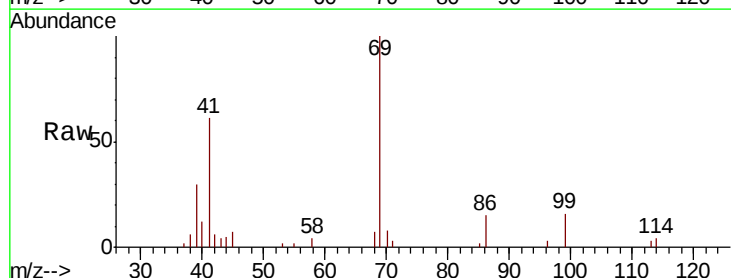
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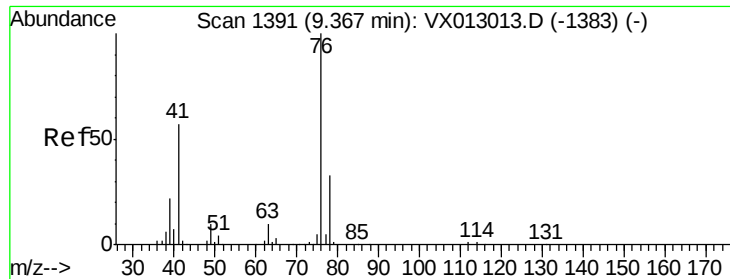
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#56
 Ethyl methacrylate
 Concen: 2.299 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Tgt Ion:	69	Resp:	6666
Ion	Ratio	Lower	Upper
69	100		
41	67.3	52.1	78.1
39	35.6	27.8	41.8





#57

1,3-Dichloropropane

Concen: 2.675 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 76 Resp: 8286

Ion Ratio Lower Upper

76 100

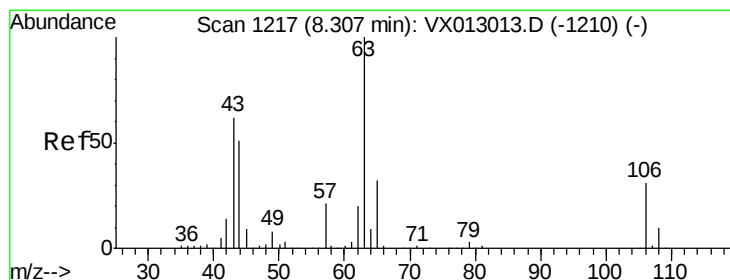
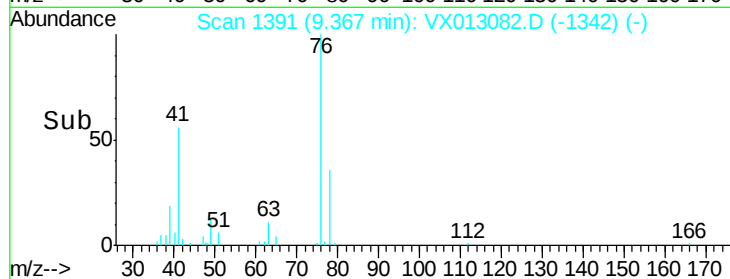
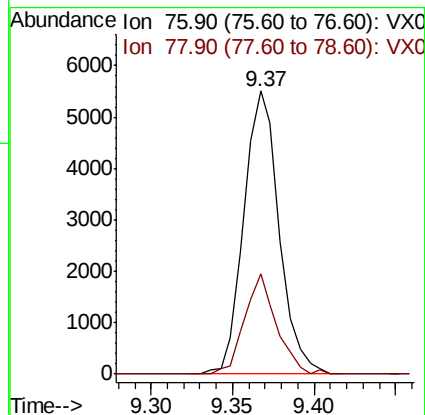
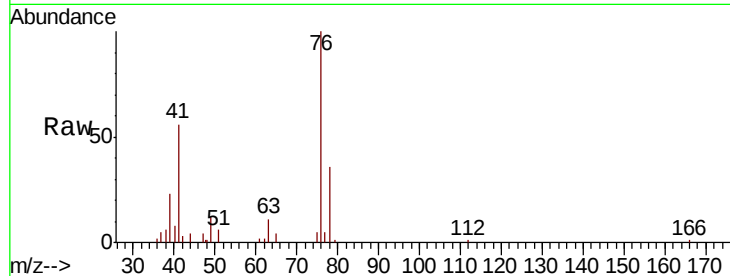
78 32.2 26.1 39.1

Manual Integrations

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10/16/2019 9:57:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 11.044 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013082.D

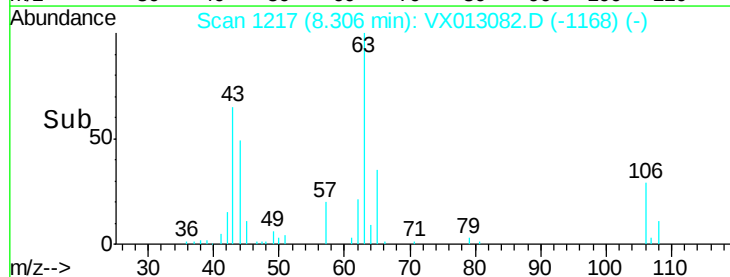
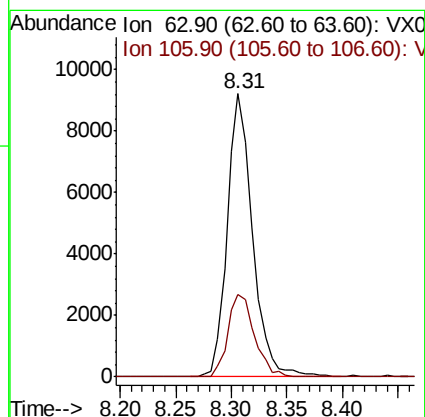
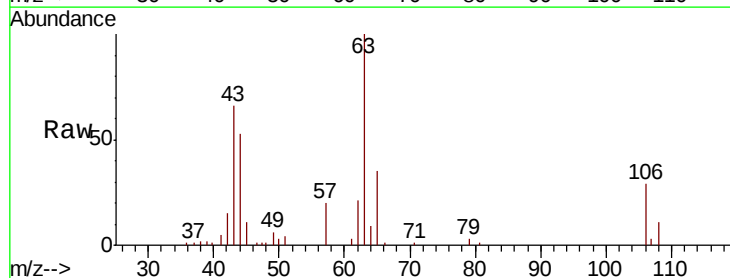
Acq: 15 Oct 2019 16:50

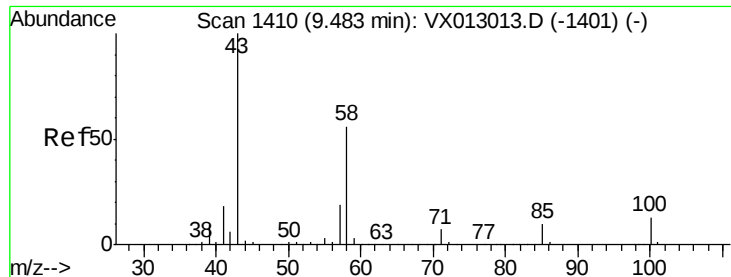
Tgt Ion: 63 Resp: 14529

Ion Ratio Lower Upper

63 100

106 30.4 23.8 35.8





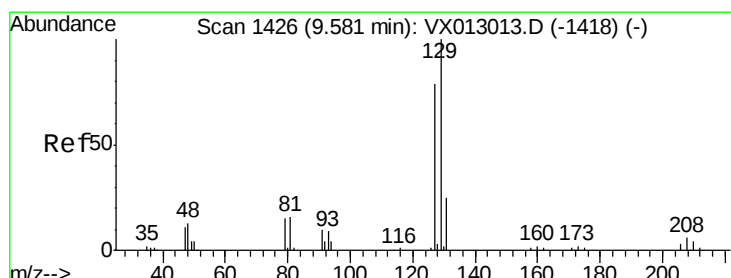
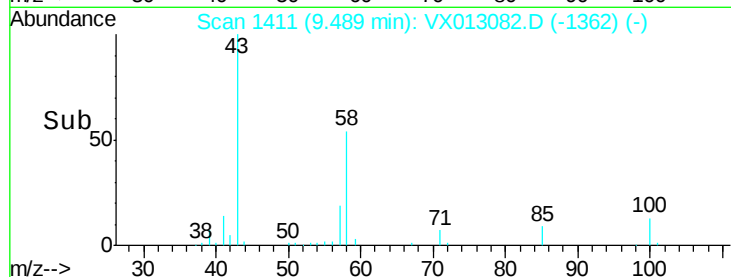
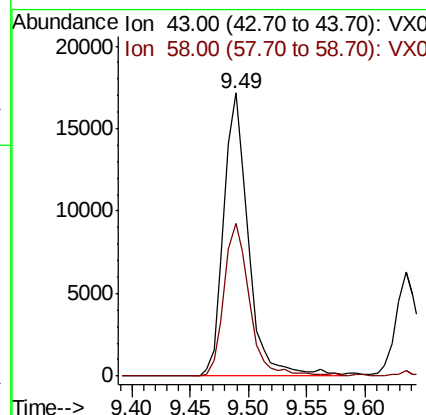
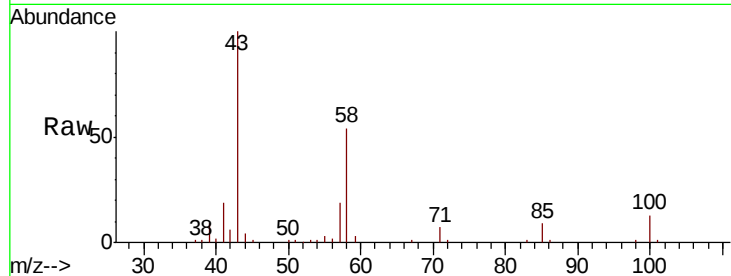
#59
2-Hexanone
Concen: 12.043 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 43 Resp: 25123
Ion Ratio Lower Upper
43 100
58 55.4 28.1 84.3

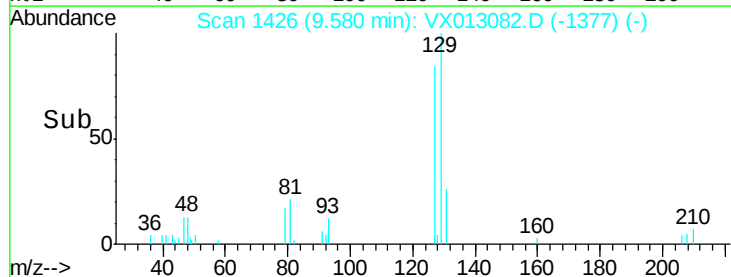
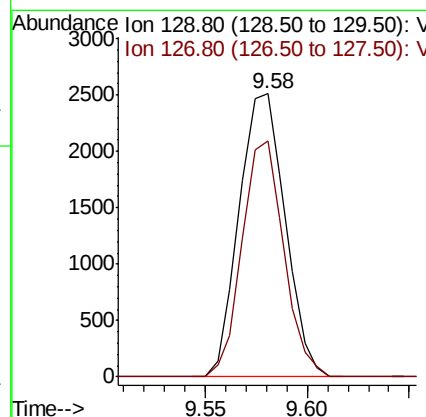
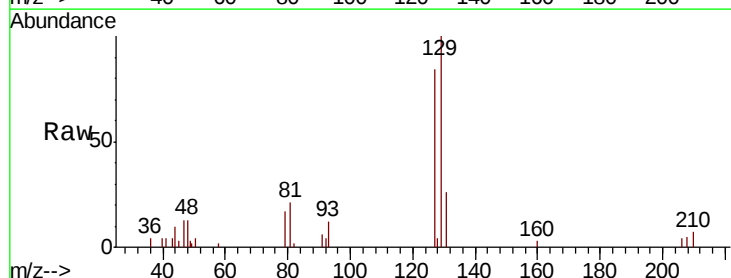
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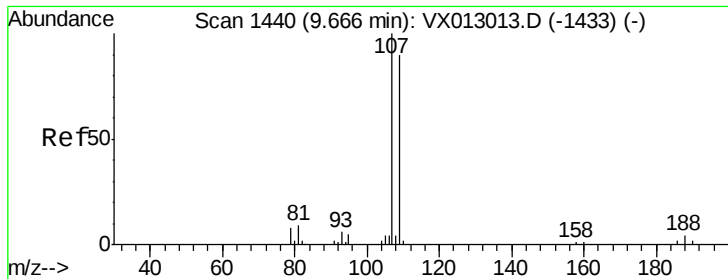
MMDadoda
10/16/2019 9:57:17 AM



#60
Dibromochloromethane
Concen: 2.241 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion: 129 Resp: 3933
Ion Ratio Lower Upper
129 100
127 75.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 2.492 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 107 Resp: 4695

Ion Ratio Lower Upper

107 100

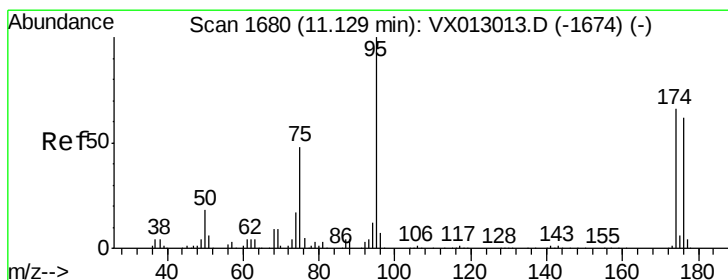
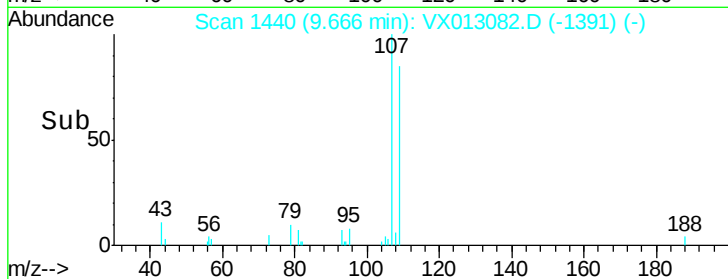
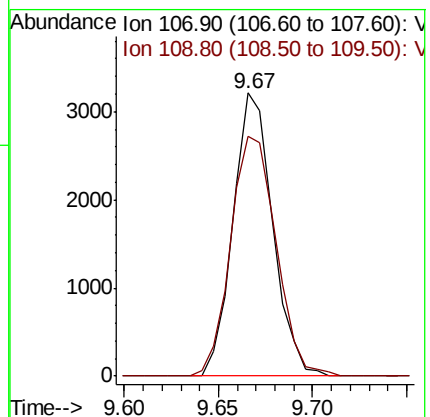
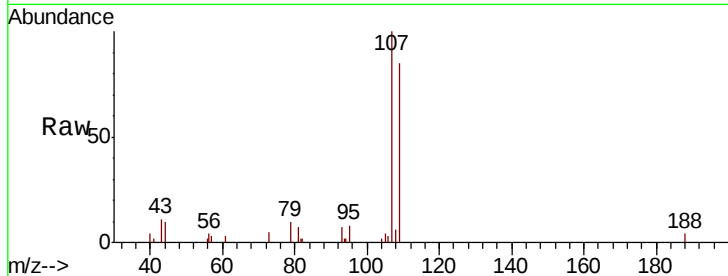
109 97.0 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 43.780 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

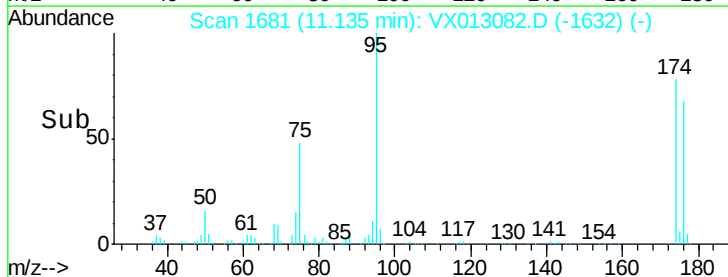
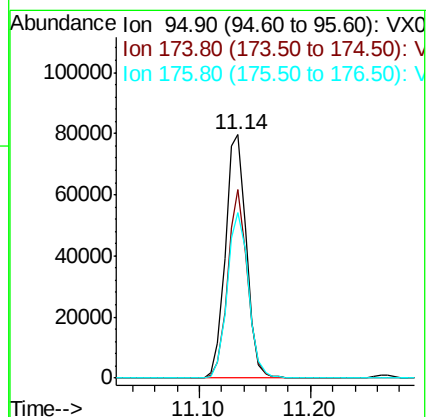
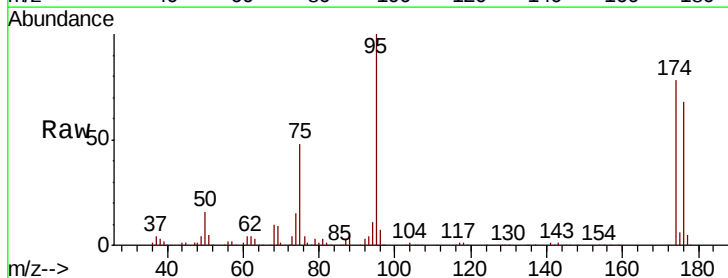
Tgt Ion: 95 Resp: 103725

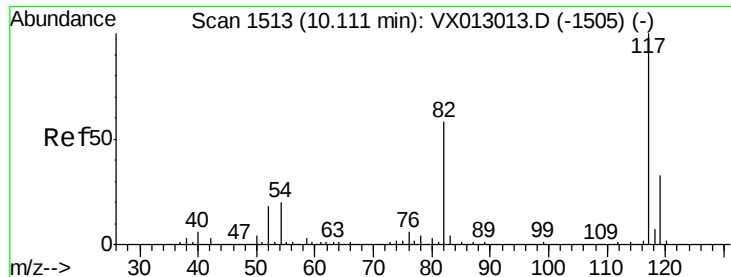
Ion Ratio Lower Upper

95 100

174 72.5 0.0 143.4

176 68.6 0.0 136.0





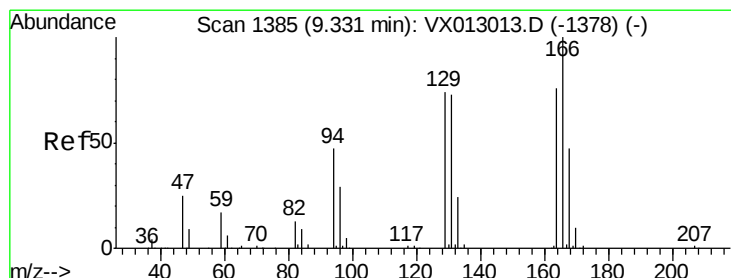
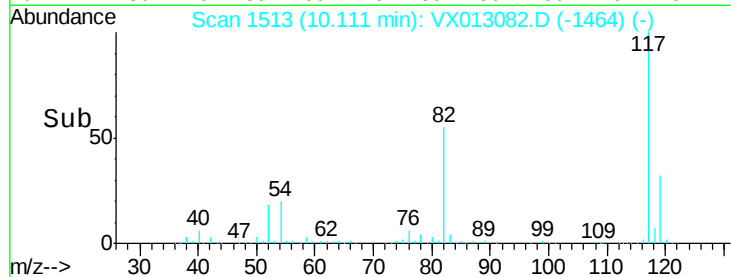
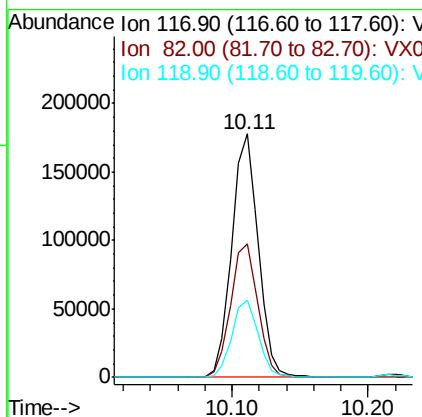
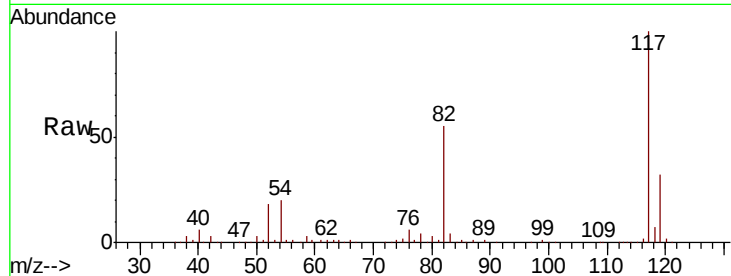
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	240328		
82	55.1		44.1	66.1
119	32.0		25.8	38.8

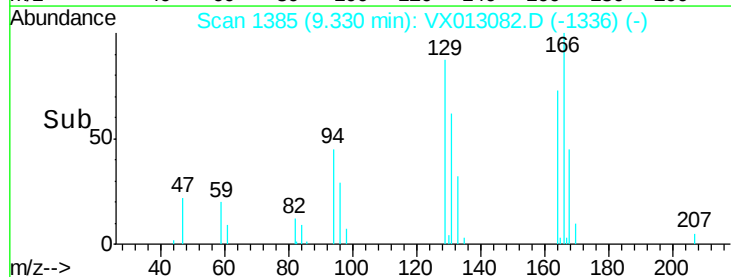
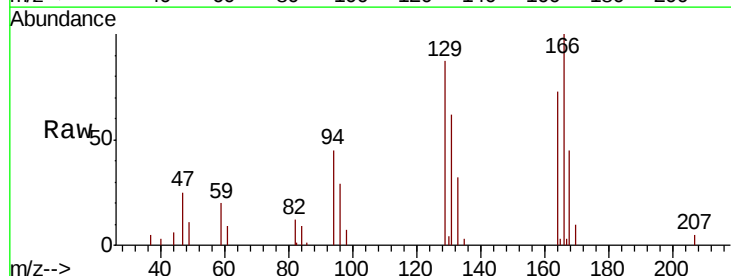
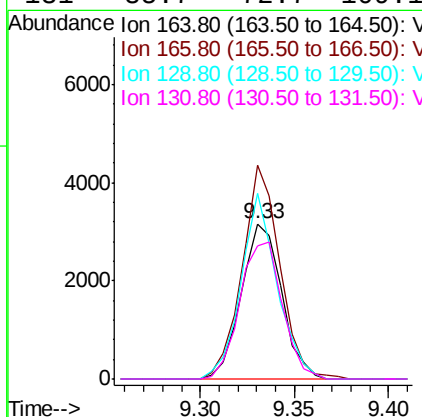
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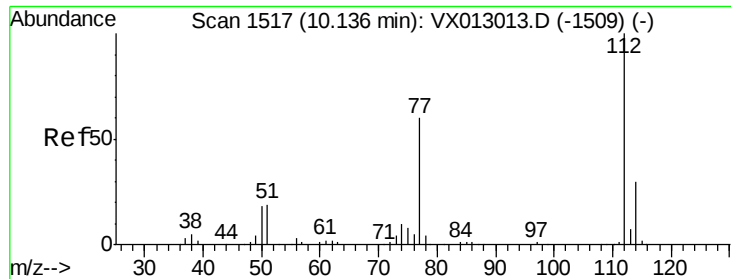
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#64
Tetrachloroethene
Concen: 2.805 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4675		
166	137.6		96.9	145.3
129	119.8		77.9	116.9#
131	85.7		72.7	109.1





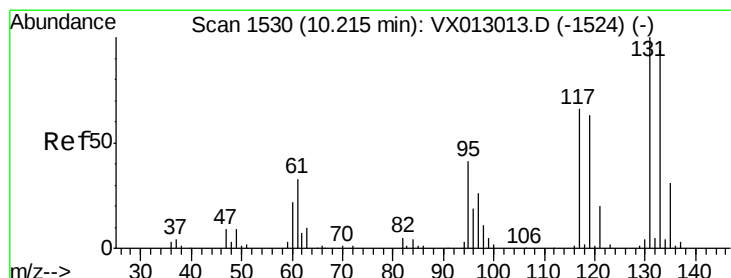
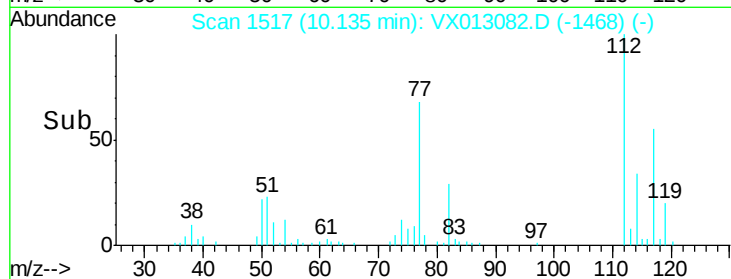
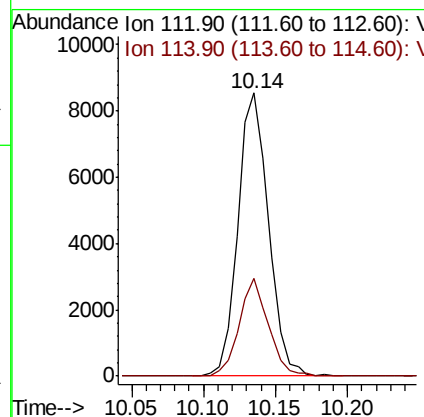
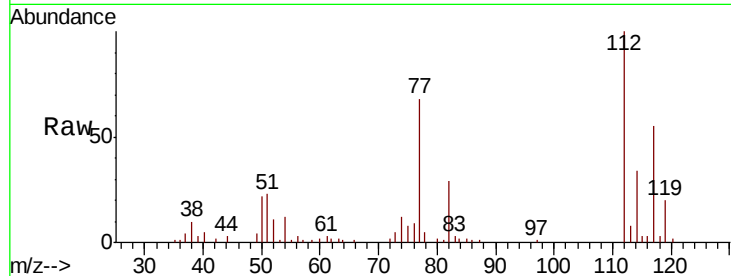
#65
Chlorobenzene
Concen: 2.638 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:112 Resp: 12591
Ion Ratio Lower Upper
112 100
114 34.4 25.7 38.5

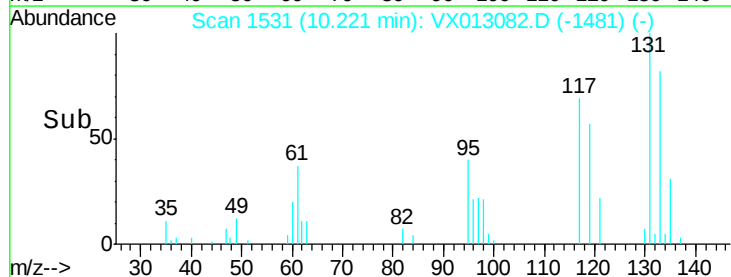
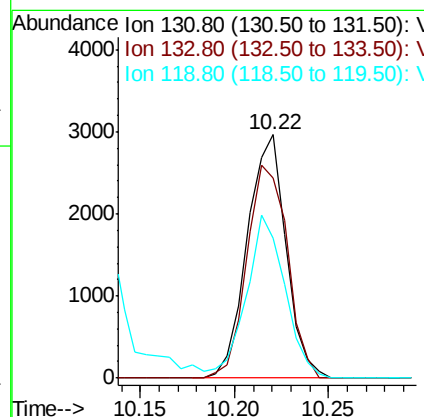
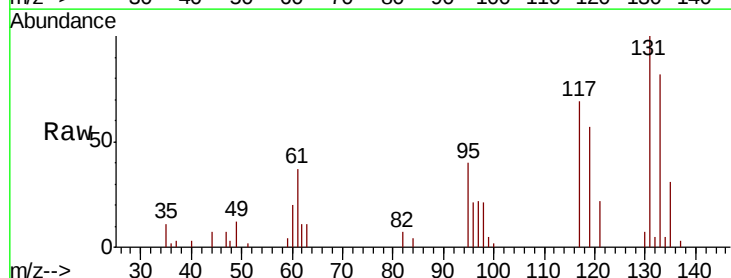
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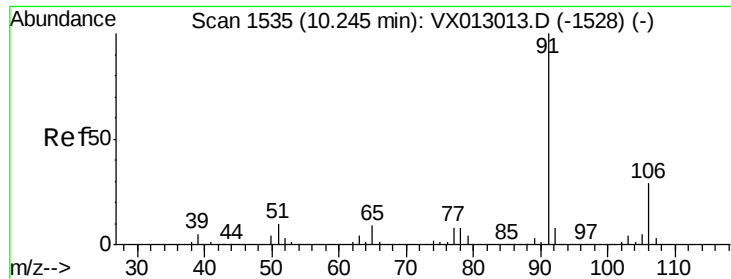
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.553 ug/l
RT: 10.22 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion:131 Resp: 4225
Ion Ratio Lower Upper
131 100
133 91.7 47.2 141.6
119 66.8 32.6 98.0





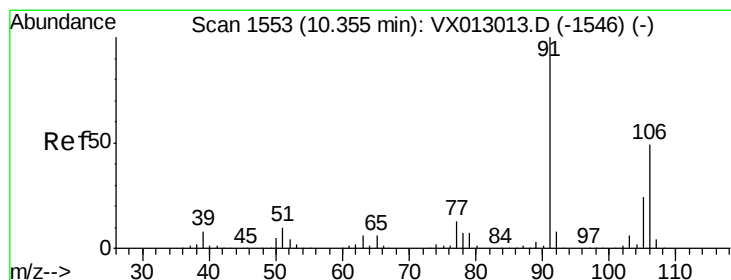
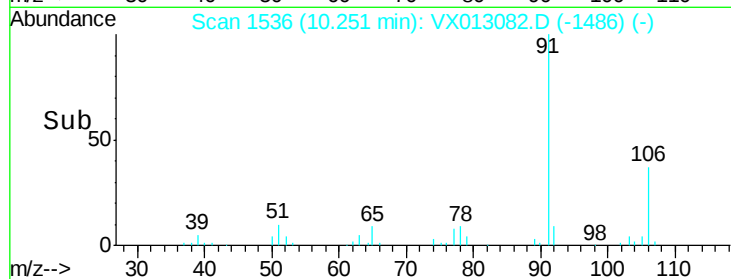
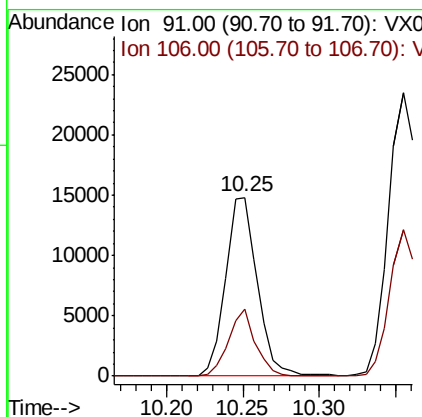
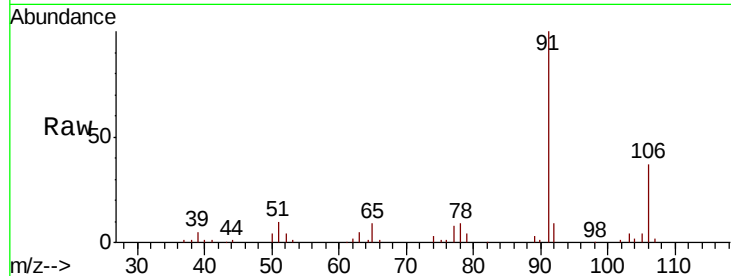
#67
Ethyl Benzene
Concen: 2.516 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 91 Resp: 21332
Ion Ratio Lower Upper
91 100
106 37.4 23.9 35.9#

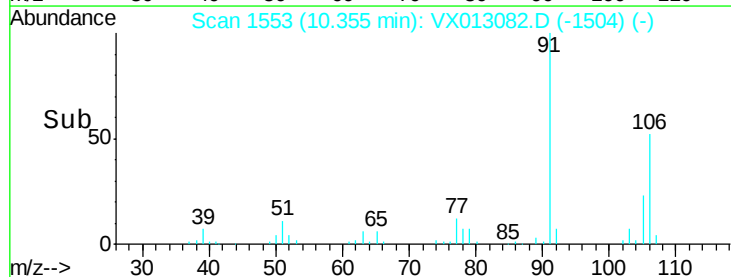
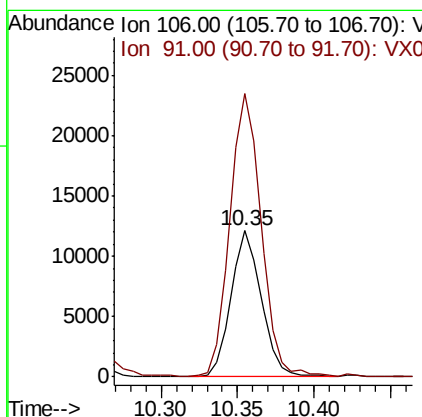
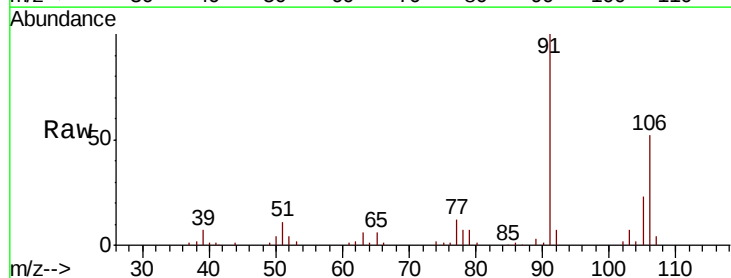
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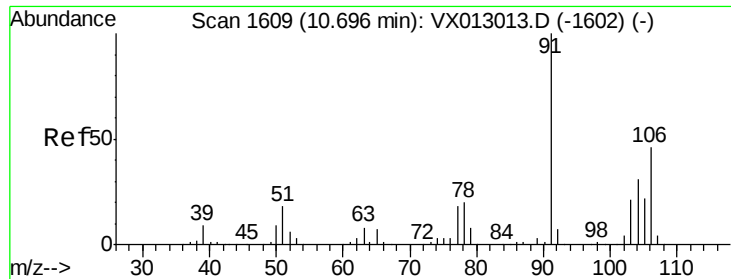
MMDadoda
10/16/2019 9:57:17 AM



#68
m/p-Xylenes
Concen: 5.277 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion: 106 Resp: 16712
Ion Ratio Lower Upper
106 100
91 197.6 165.3 247.9





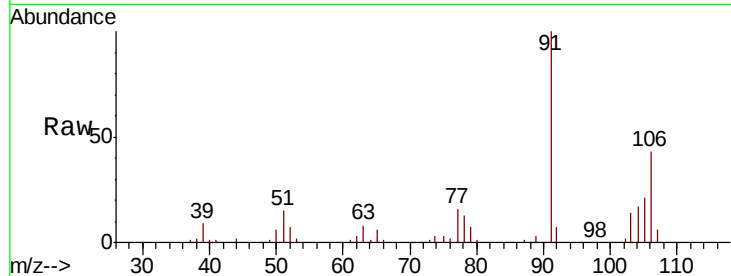
#69
o-Xylene
Concen: 2.552 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

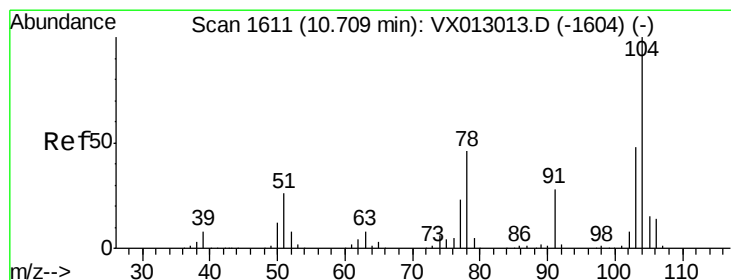
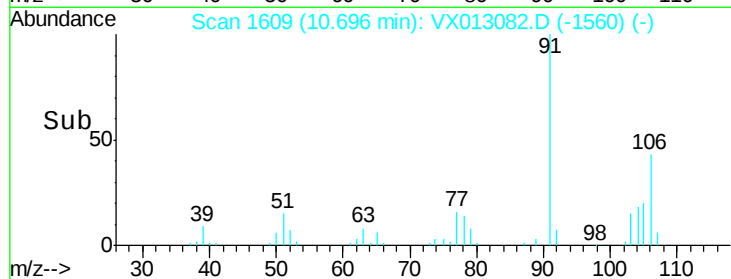
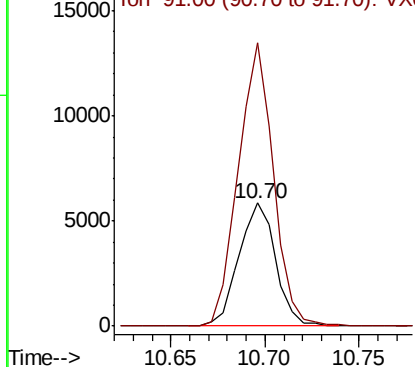
Tot Ion:106 Resp: 7883
Ion Ratio Lower Upper
106 100
91 220.6 109.1 327.3

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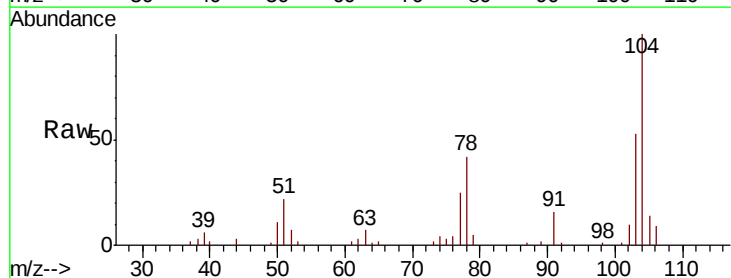


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

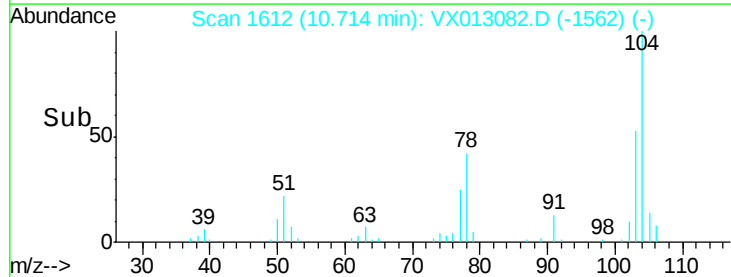
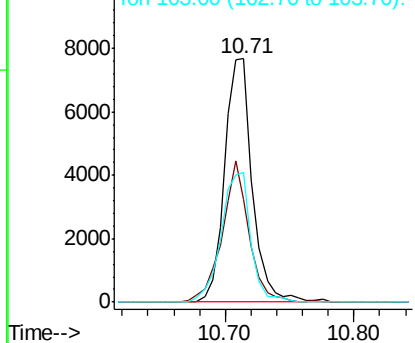


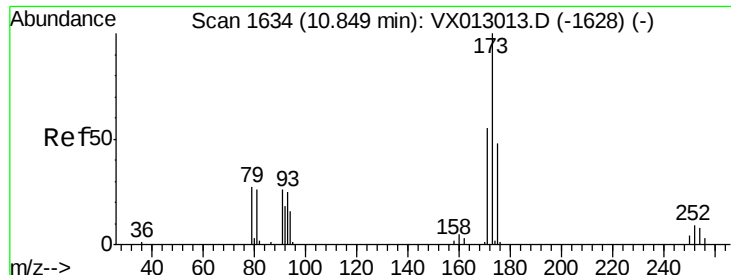
#70
Styrene
Concen: 2.219 ug/l
RT: 10.71 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion:104 Resp: 11649
Ion Ratio Lower Upper
104 100
78 55.2 41.2 61.8
103 56.4 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.044 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

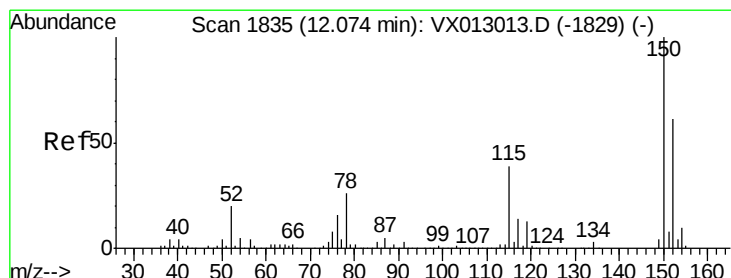
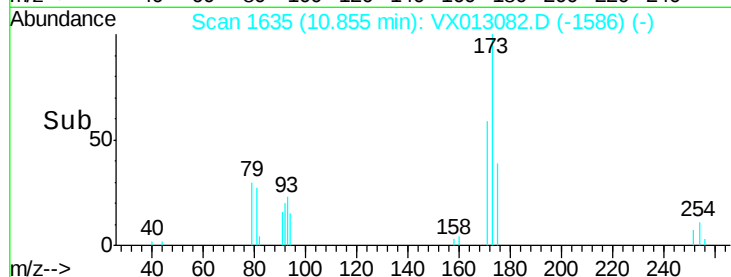
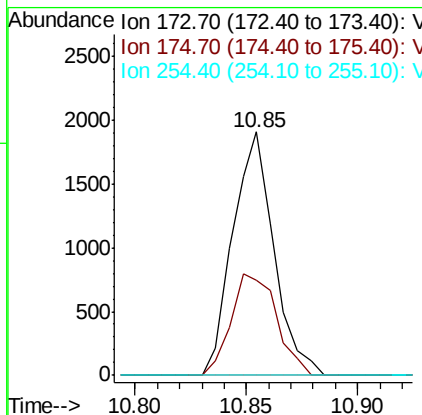
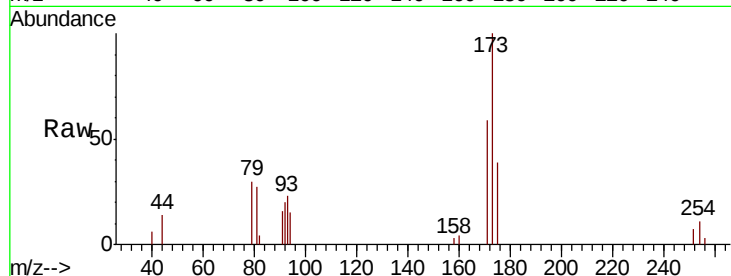
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	24.1	72.3
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

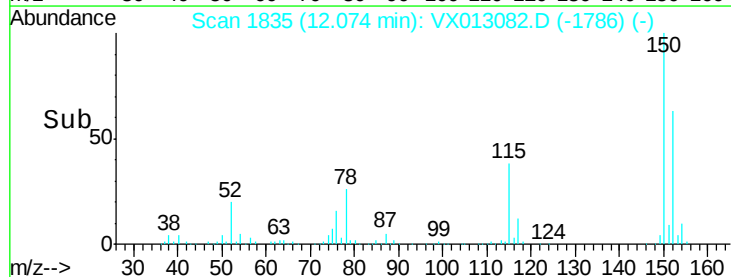
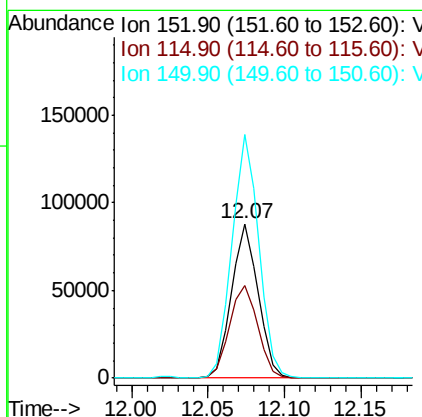
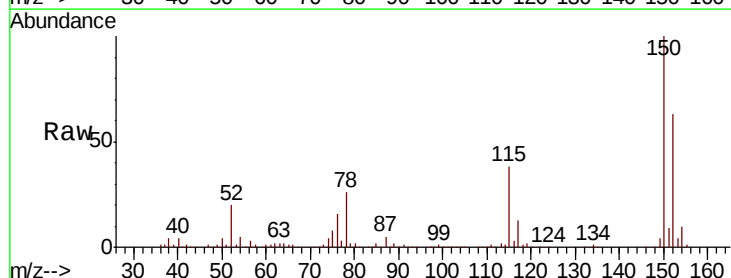
RT: 12.07 min Scan# 1835

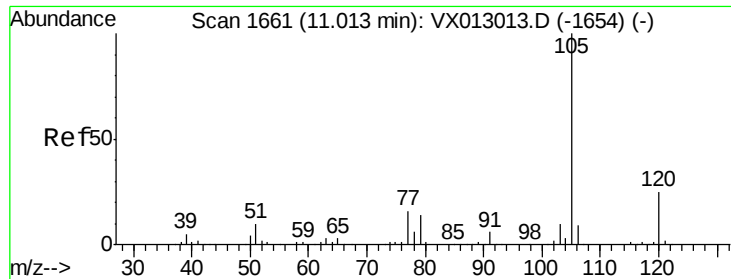
Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	44.5	133.5
150	159.4	0.0	353.4





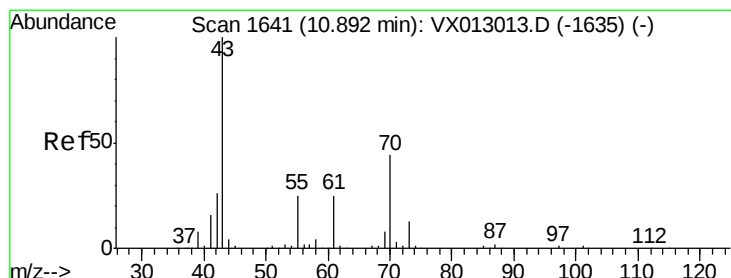
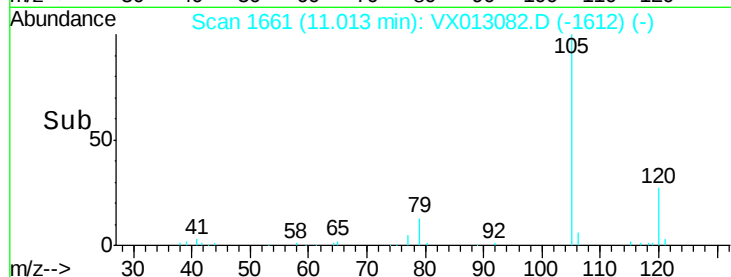
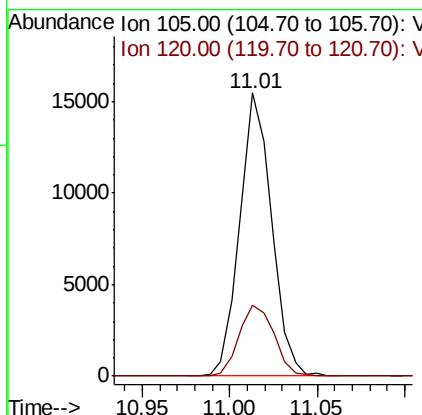
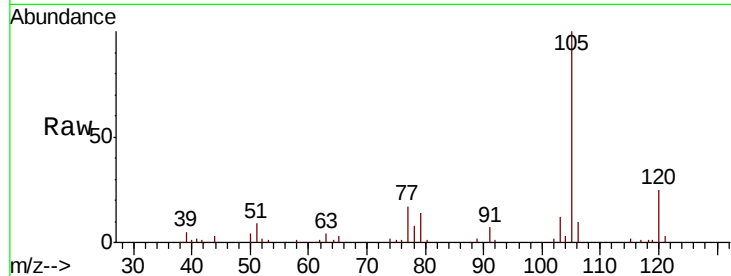
#73
Isopropylbenzene
Concen: 2.524 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 105 Resp: 19678
Ion Ratio Lower Upper
105 100
120 27.3 13.0 39.0

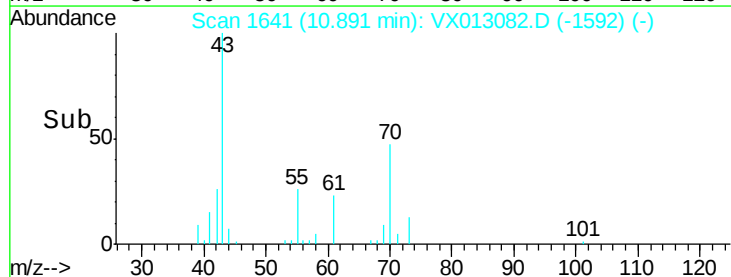
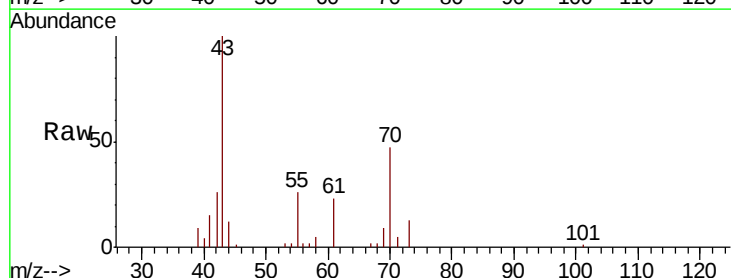
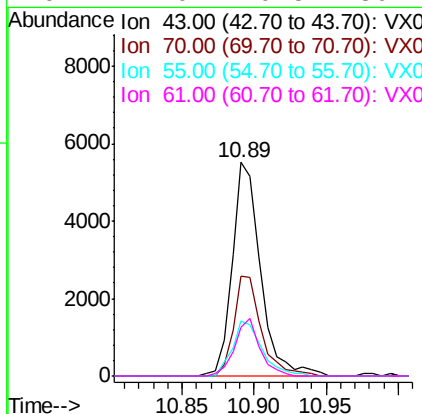
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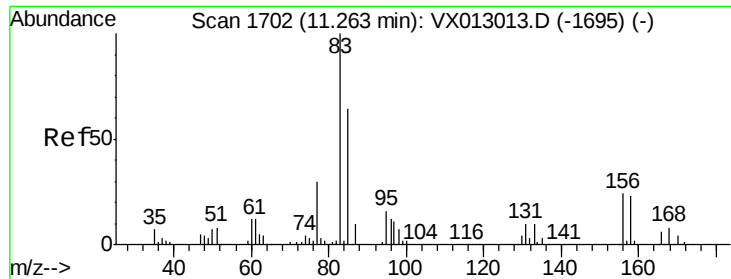
MMDadoda
10/16/2019 9:57:17 AM



#74
N-ethyl acetate
Concen: 2.261 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion: 43 Resp: 7591
Ion Ratio Lower Upper
43 100
70 45.5 36.4 54.6
55 27.0 20.2 30.2
61 24.0 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 2.638 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

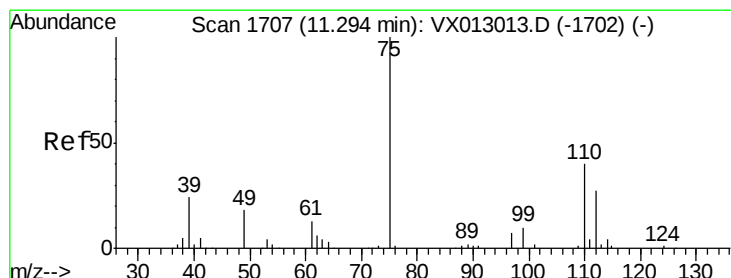
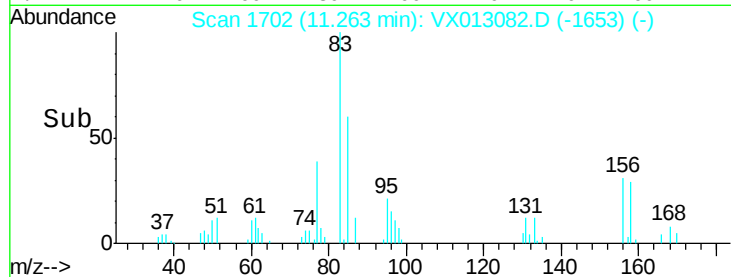
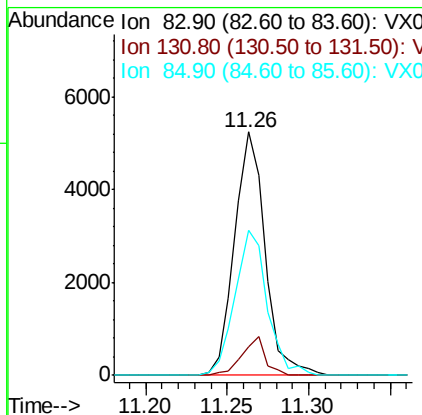
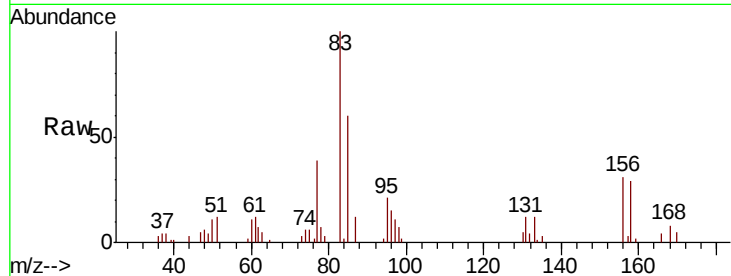
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	83	Resp:	6841
Ion	Ratio	Lower	Upper
83	100		
131	12.1	5.1	15.3
85	63.3	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 2.672 ug/l m

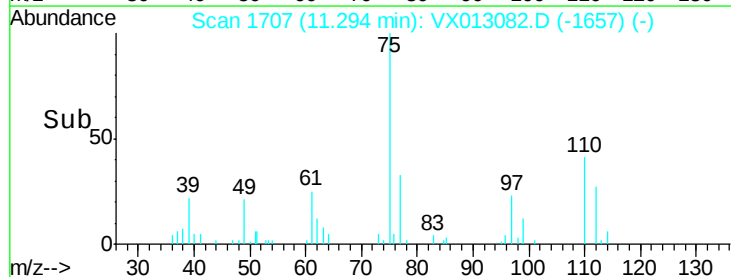
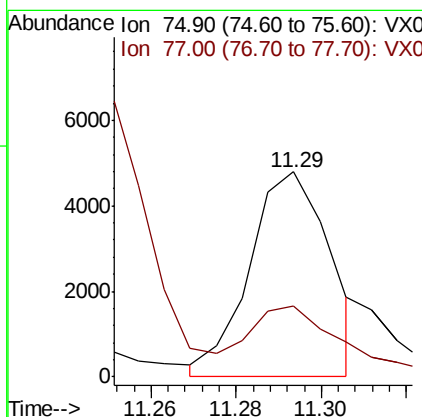
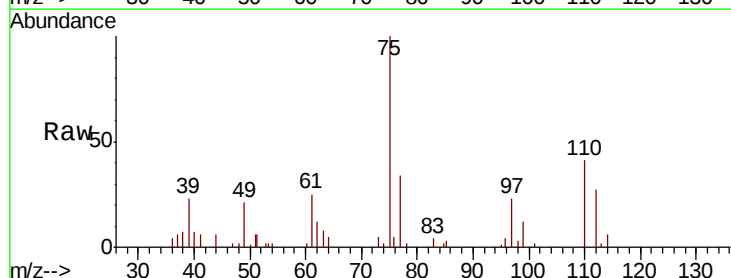
RT: 11.29 min Scan# 1707

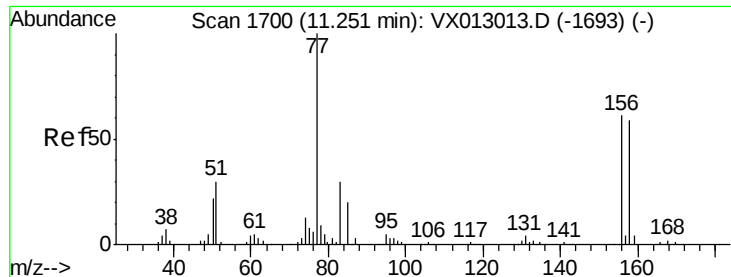
Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	75	Resp:	6285
Ion	Ratio	Lower	Upper
75	100		
77	41.4	22.9	68.8





#77

Bromobenzene

Concen: 2.719 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

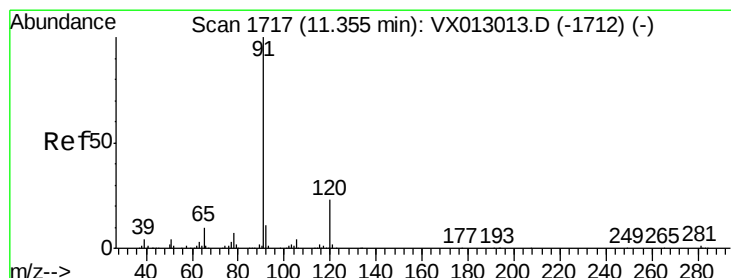
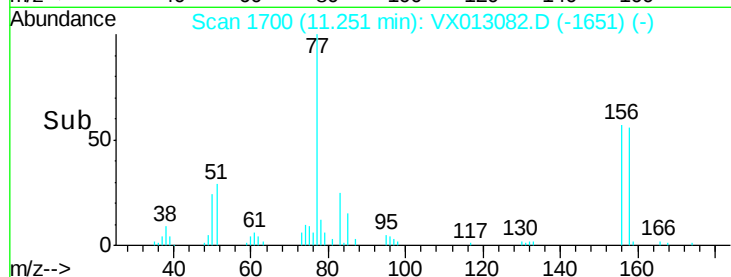
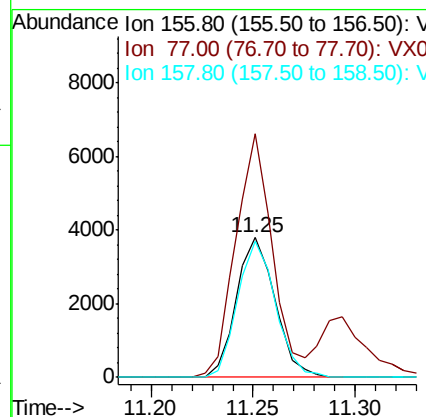
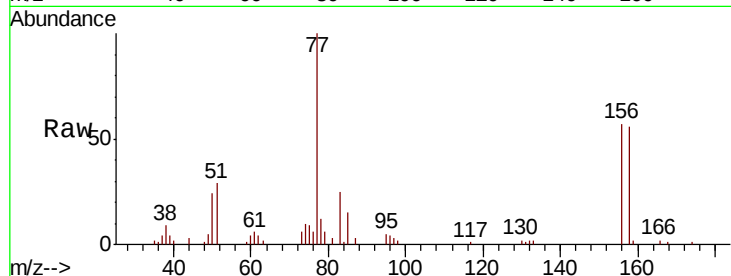
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.3	83.7	251.0
158	95.3	48.6	145.9

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#78

n-propylbenzene

Concen: 2.566 ug/l

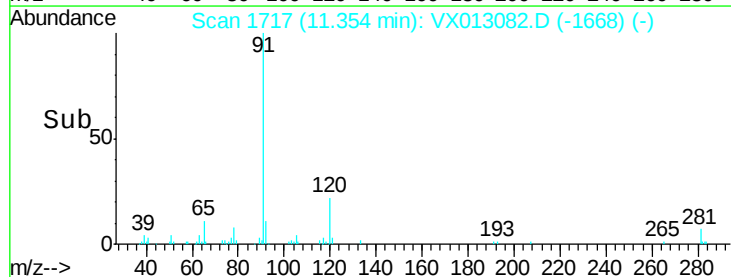
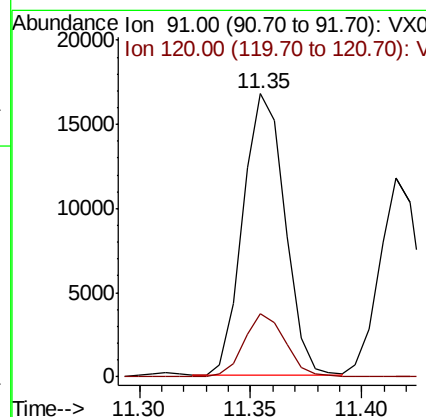
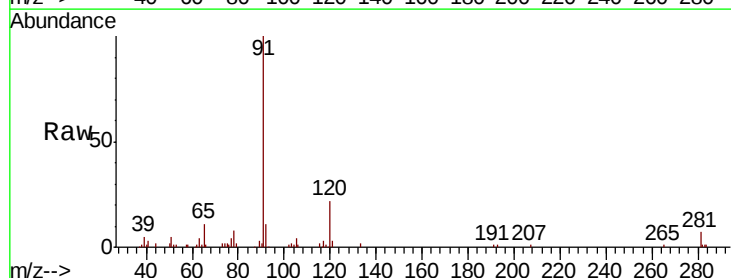
RT: 11.35 min Scan# 1717

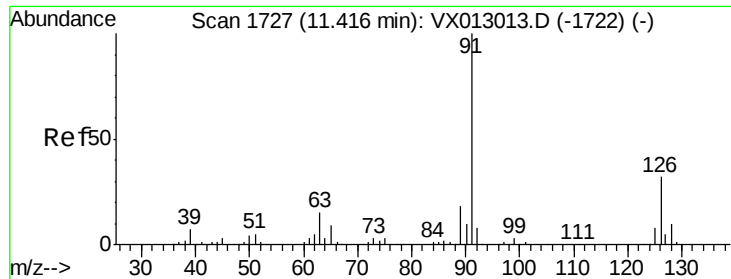
Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 2.755 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion: 91 Resp: 14851

Ion Ratio Lower Upper

91 100

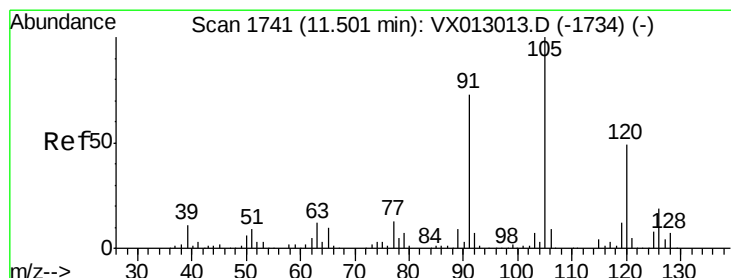
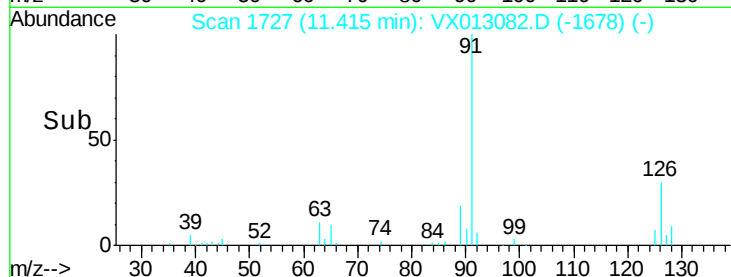
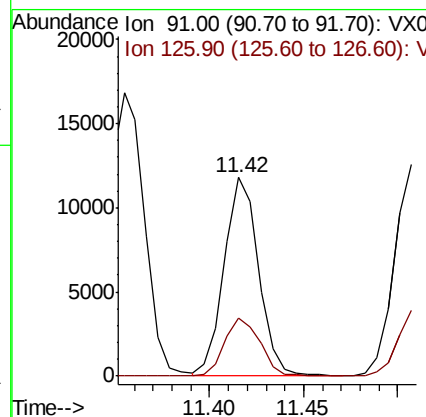
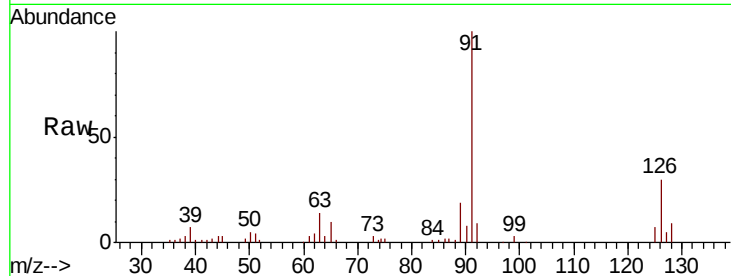
126 30.5 16.3 48.8

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#80

1,3,5-Trimethylbenzene

Concen: 2.561 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013082.D

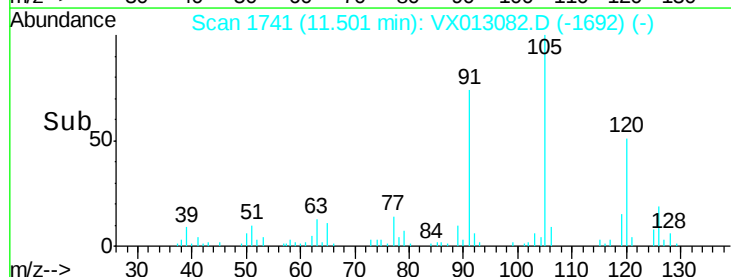
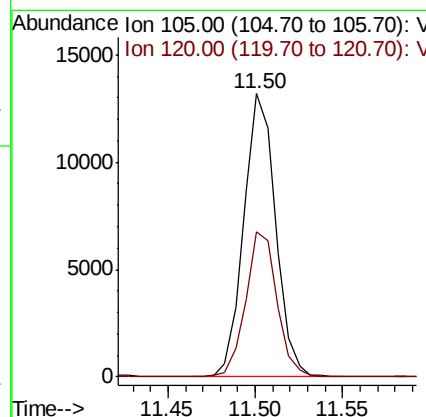
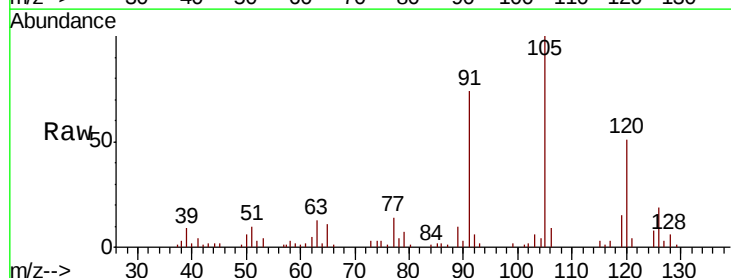
Acq: 15 Oct 2019 16:50

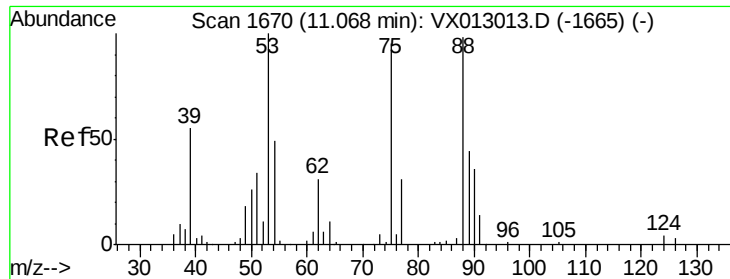
Tgt Ion: 105 Resp: 16673

Ion Ratio Lower Upper

105 100

120 50.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 1.792 ug/l m

RT: 11.07 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

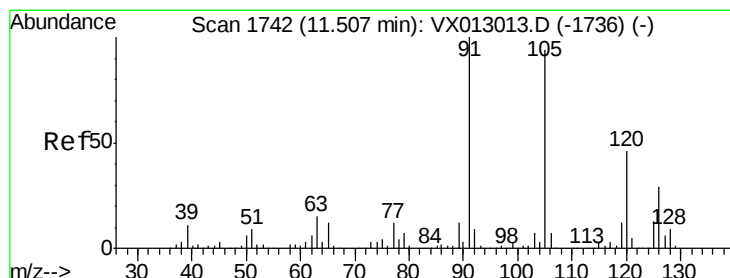
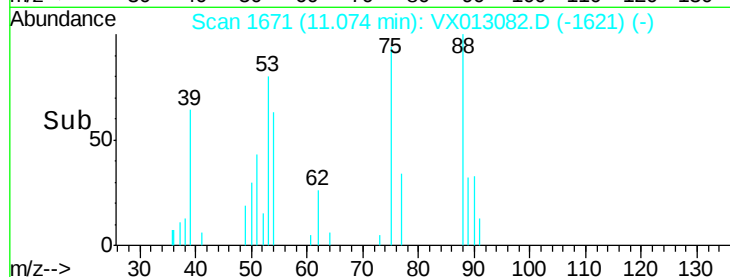
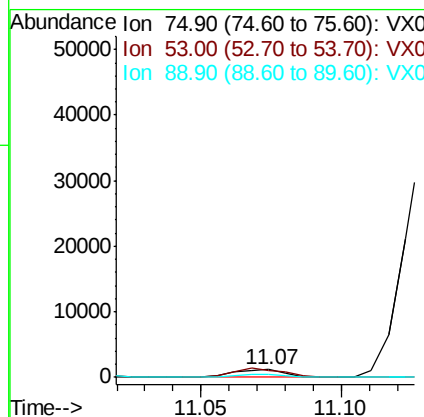
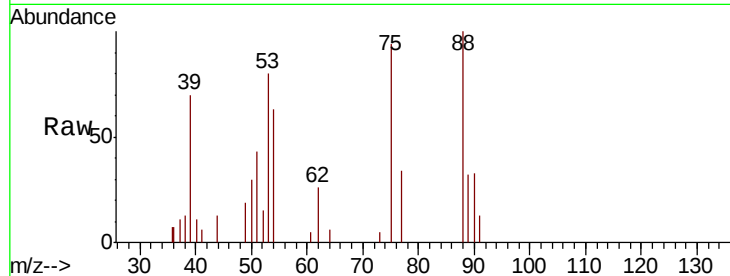
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	75	Resp:	1489
Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.0	37.4	56.2#

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#82

4-Chlorotoluene

Concen: 2.610 ug/l

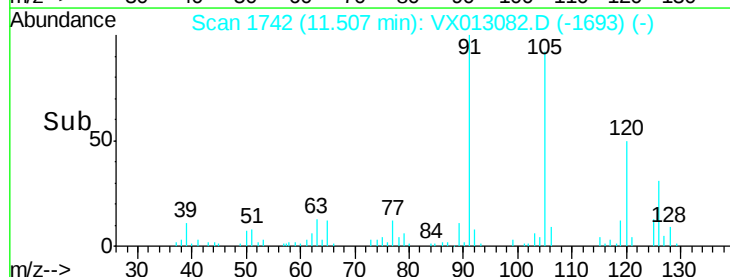
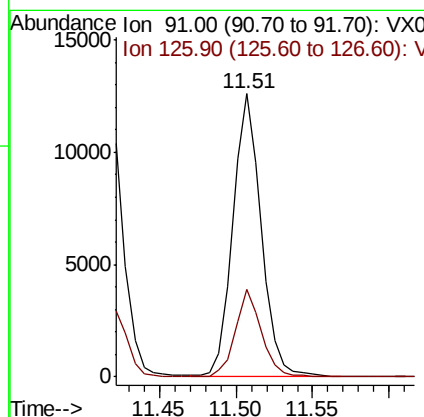
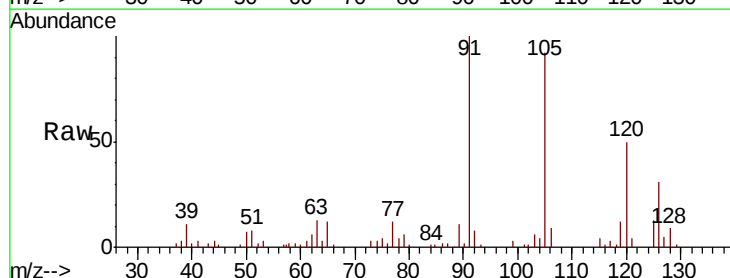
RT: 11.51 min Scan# 1742

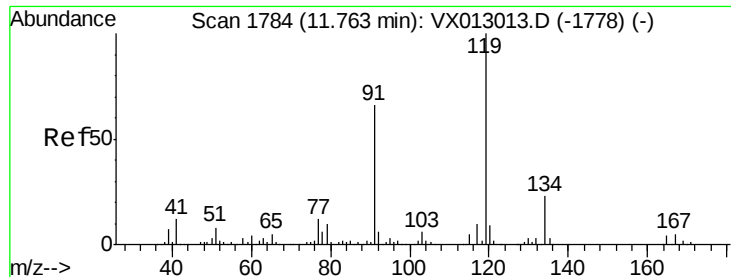
Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	91	Resp:	16129
Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6





#83

tert-Butylbenzene

Concen: 2.550 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

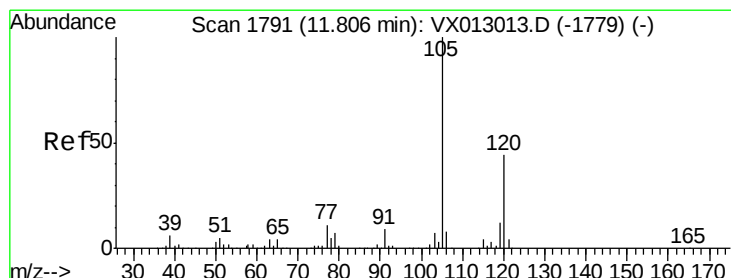
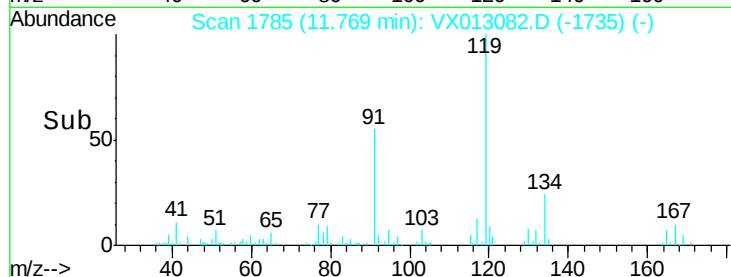
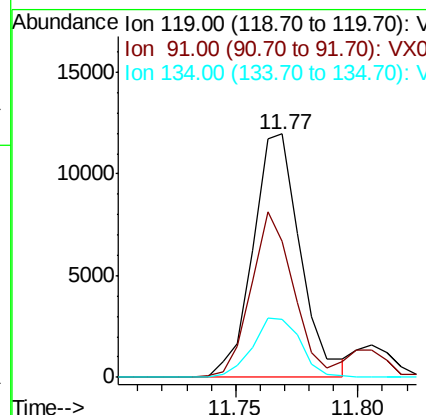
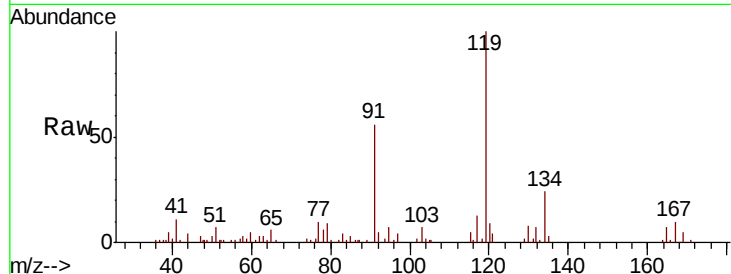
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	119	Resp:	16193
Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.3	87.9
134	24.7	11.5	34.4

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#84

1,2,4-Trimethylbenzene

Concen: 2.530 ug/l

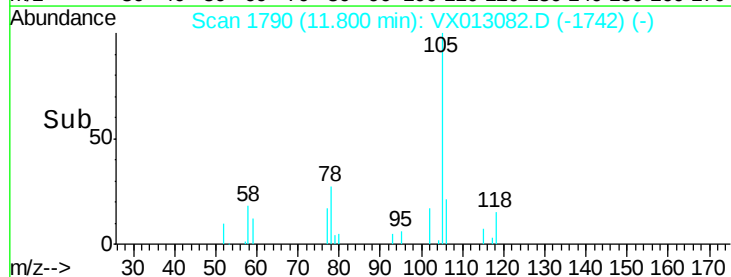
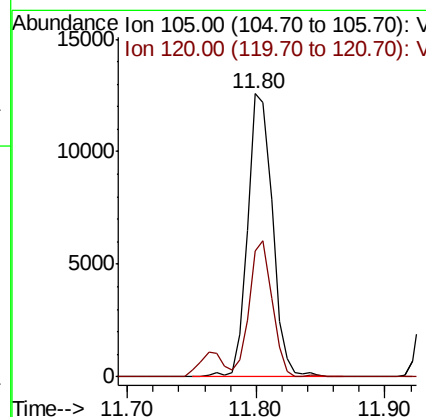
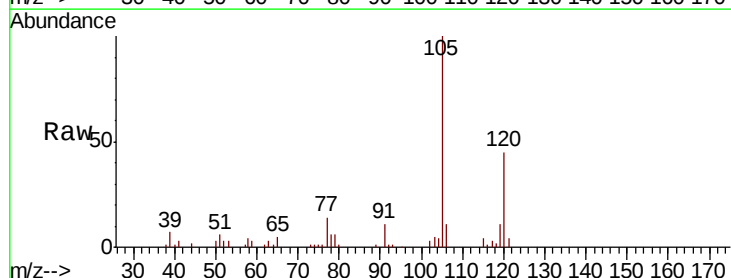
RT: 11.80 min Scan# 1790

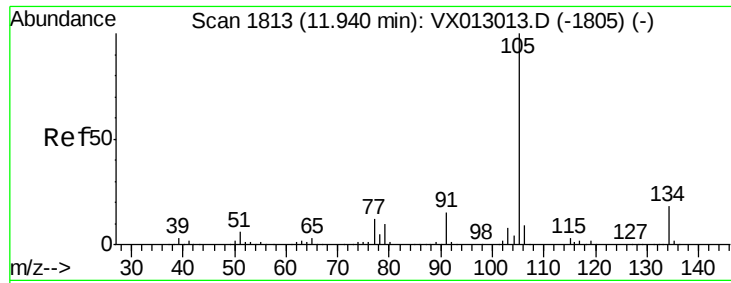
Delta R.T. -0.01 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	105	Resp:	16677
Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.8	65.3





#85

sec-Butylbenzene

Concen: 2.565 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:105 Resp: 18871

Ion Ratio Lower Upper

105 100

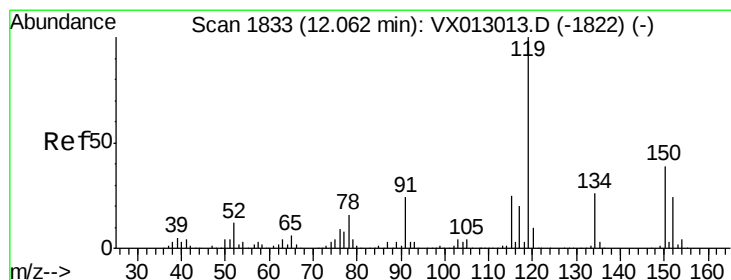
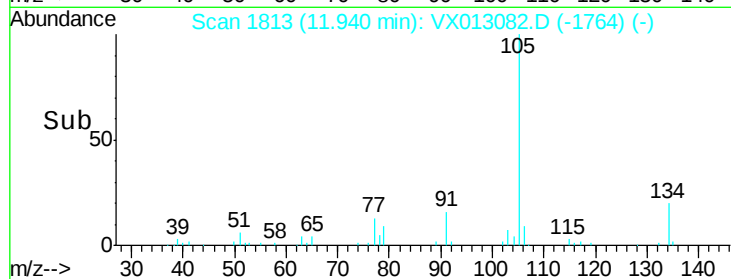
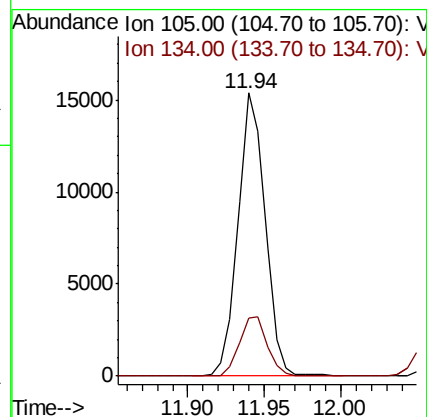
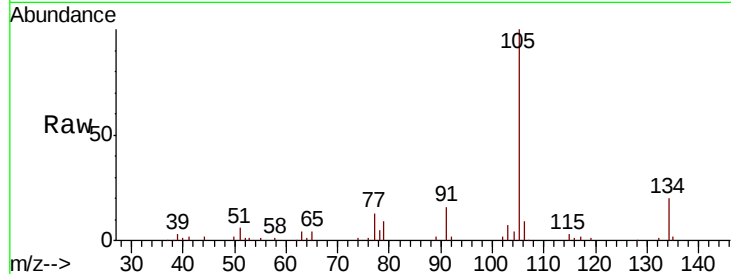
134 21.1 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 2.364 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

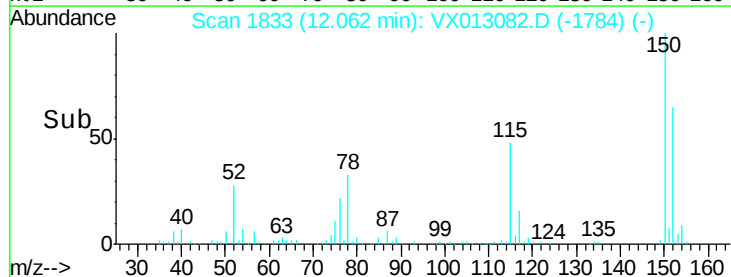
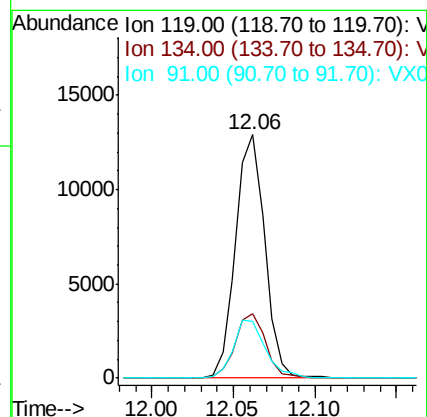
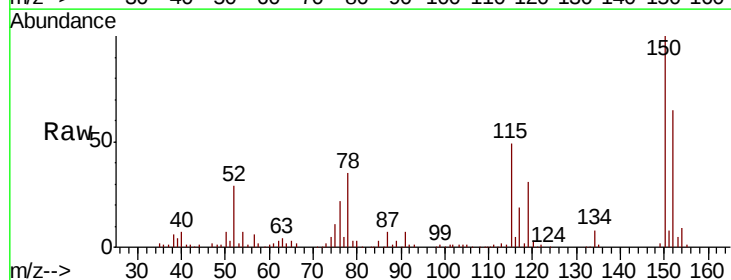
Tgt Ion:119 Resp: 16132

Ion Ratio Lower Upper

119 100

134 27.4 12.6 37.8

91 26.4 12.4 37.4





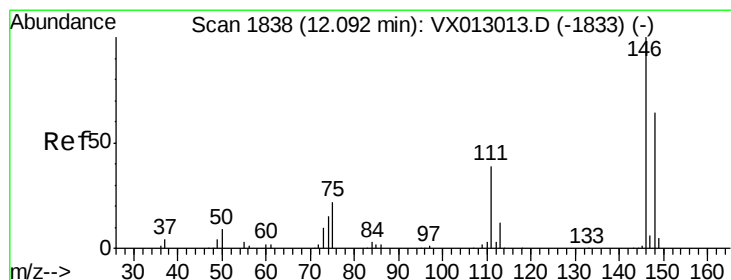
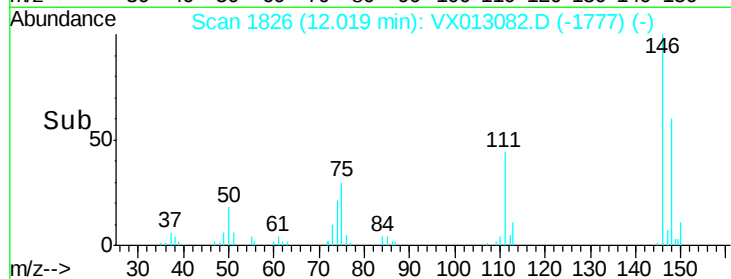
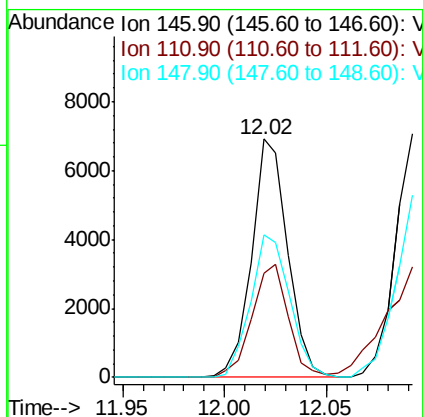
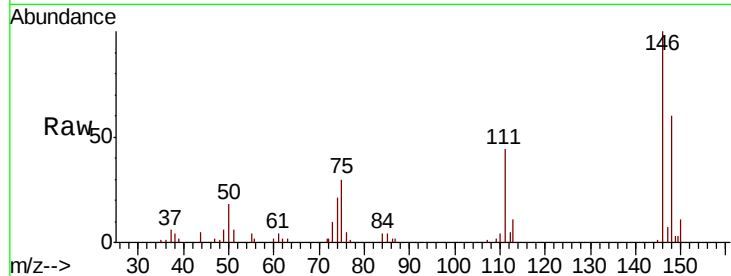
#87
 1,3-Dichlorobenzene
 Concen: 2.495 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	21.1	63.4
148	64.9	31.6	95.0

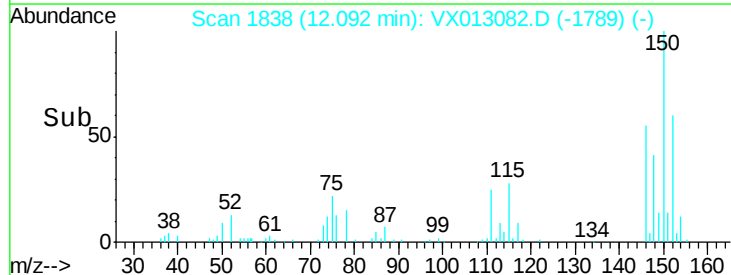
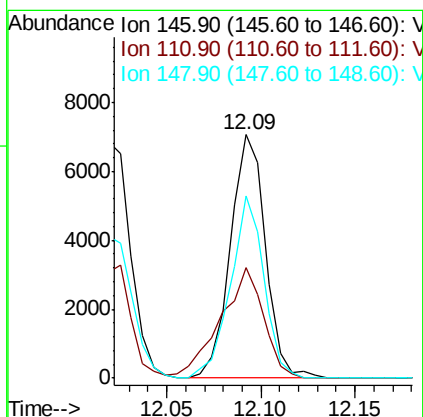
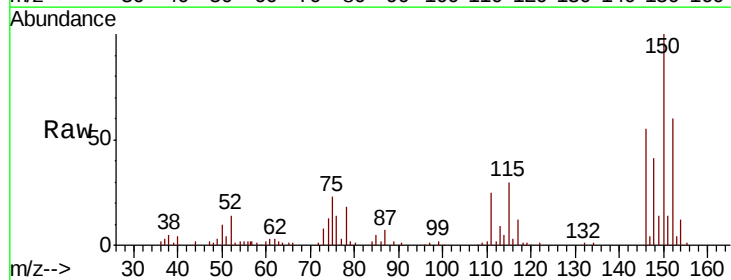
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#88
 1,4-Dichlorobenzene
 Concen: 2.639 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	55.8	21.4	64.3
148	71.3	32.1	96.5





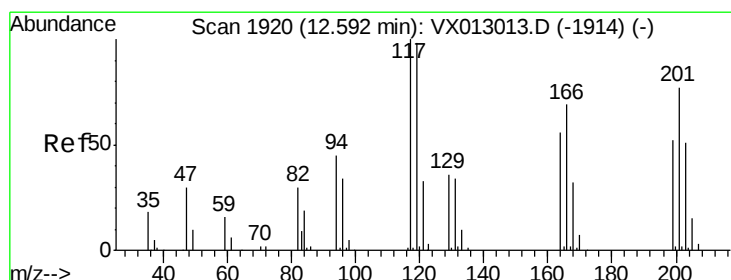
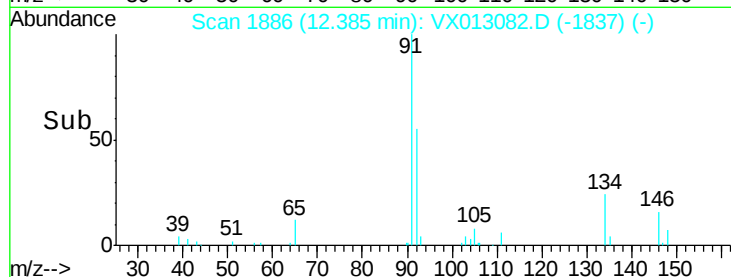
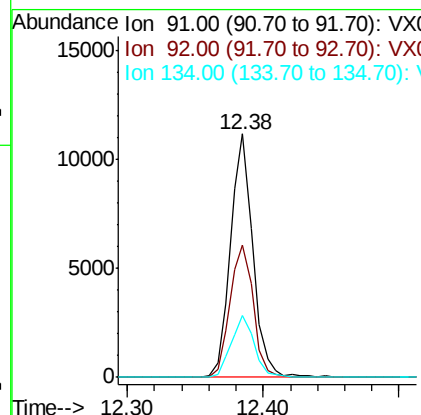
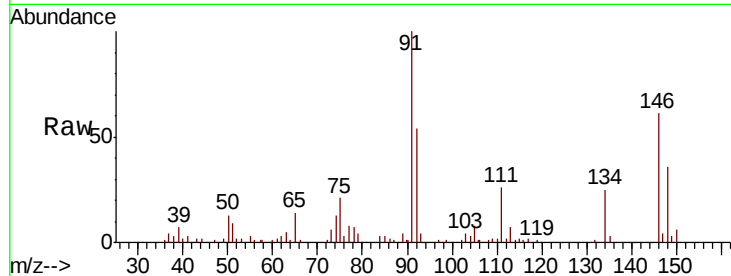
#89
n-Butylbenzene
Concen: 2.217 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.6	27.5	82.5
134	25.8	12.9	38.7

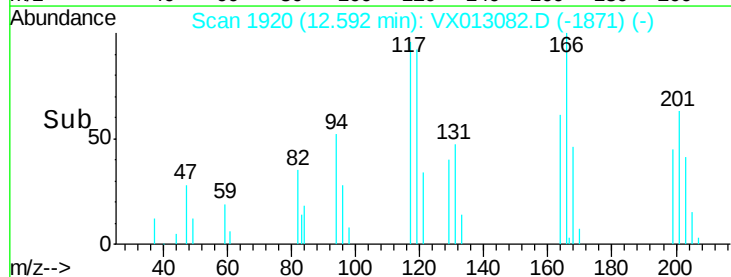
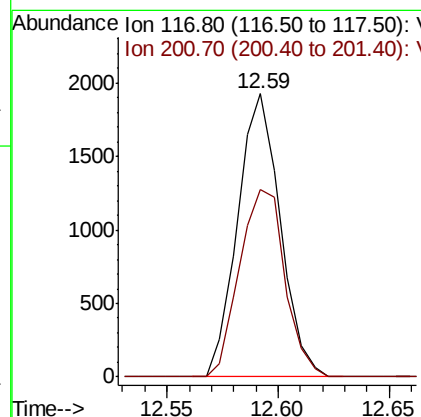
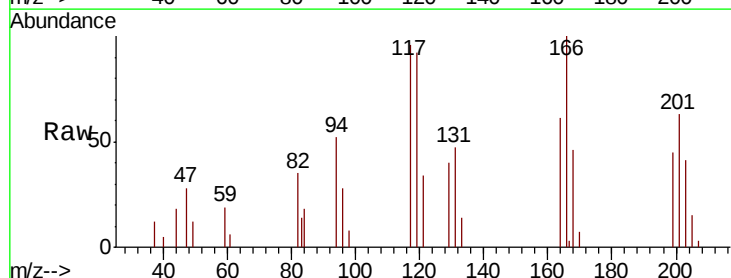
Manual Integrations
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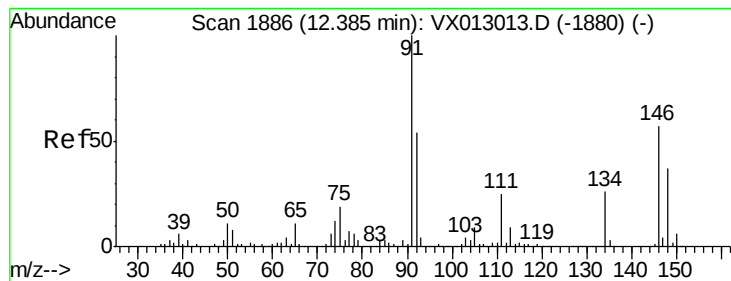
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#90
Hexachloroethane
Concen: 2.319 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	36.9	110.7





#91

1,2-Dichlorobenzene

Concen: 2.707 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Instrument :

MSVOA_X

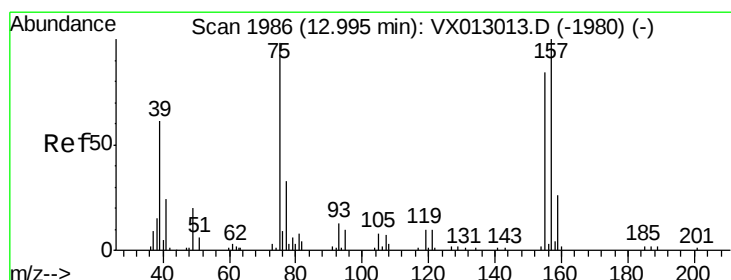
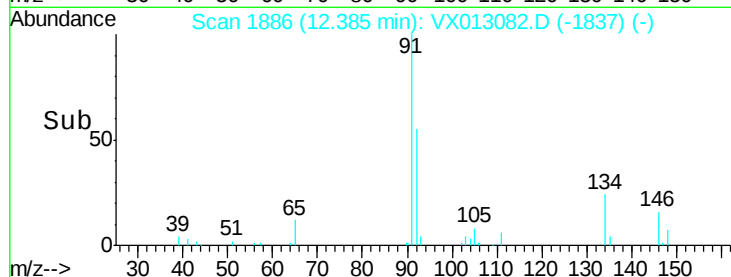
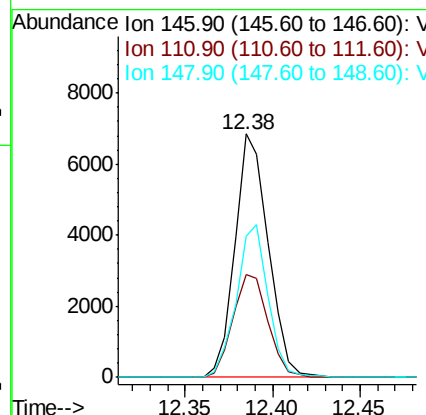
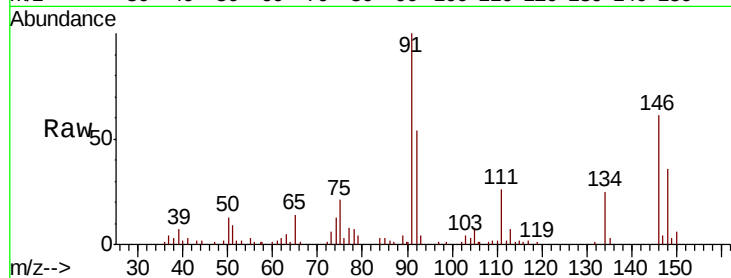
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019DL

Tot Ion:	146	Resp:	9055
Ion Ratio	Lower	Upper	
146	100		
111	44.4	22.7	68.0
148	60.0	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 2.341 ug/l

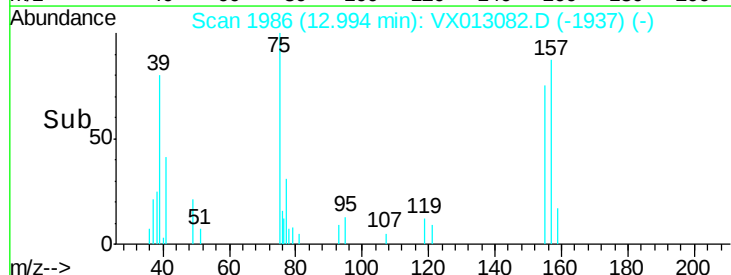
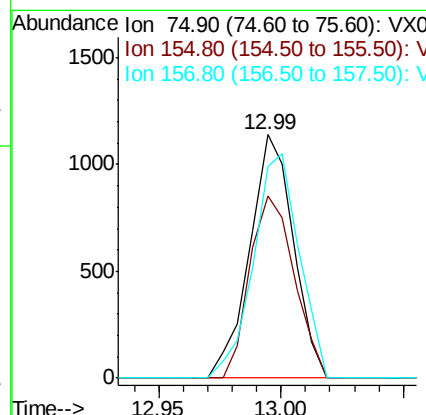
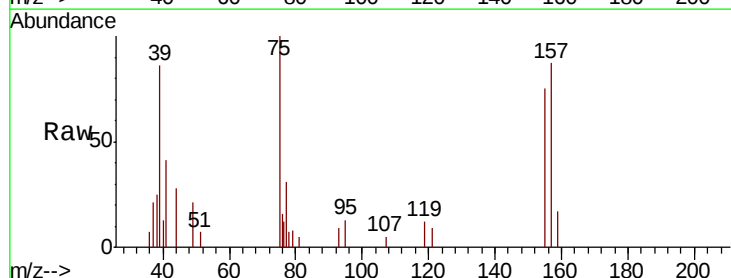
RT: 12.99 min Scan# 1986

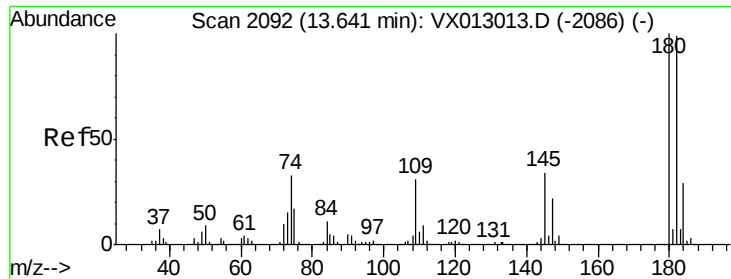
Delta R.T. -0.00 min

Lab File: VX013082.D

Acq: 15 Oct 2019 16:50

Tgt Ion:	75	Resp:	1423
Ion Ratio	Lower	Upper	
75	100		
155	76.1	43.0	128.8
157	96.8	54.1	162.3





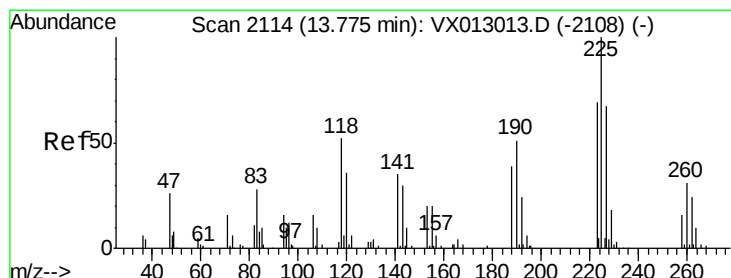
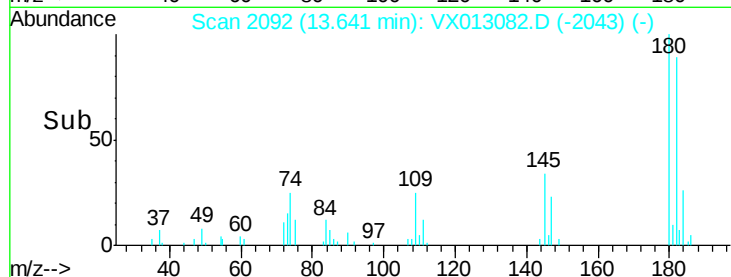
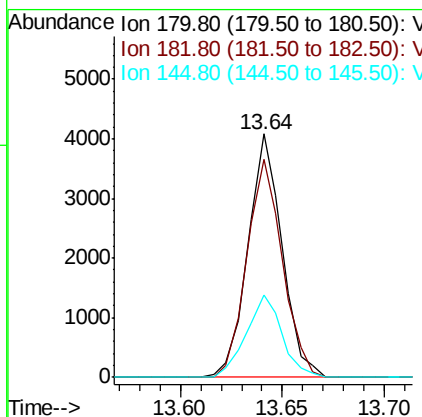
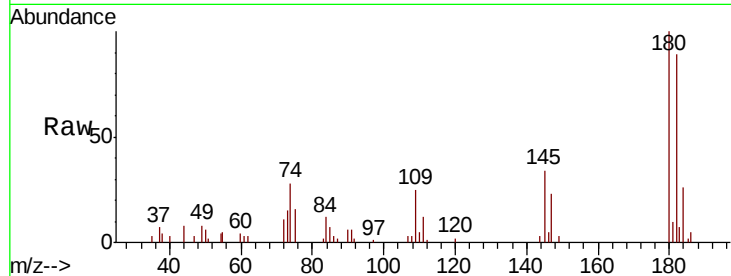
#93
 1,2,4-Trichlorobenzene
 Concen: 2.272 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.8	140.4
145	35.5	16.2	48.6

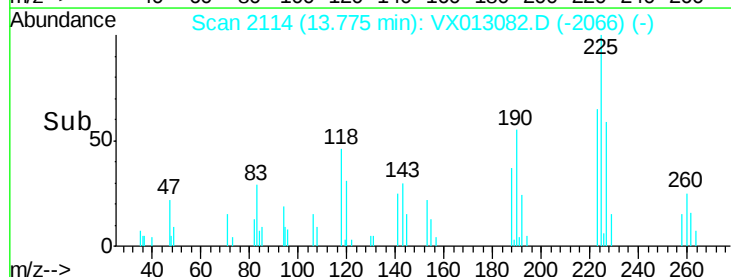
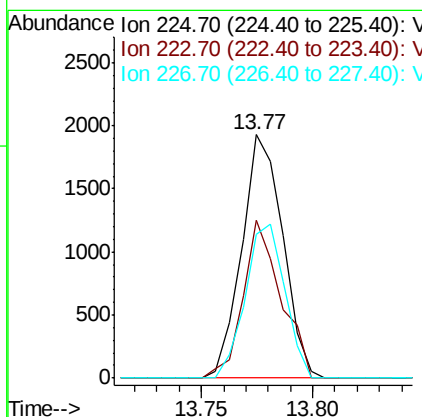
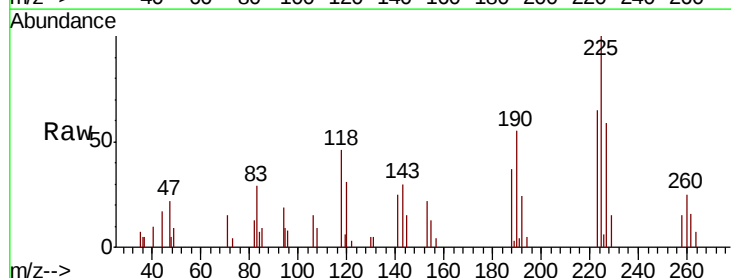
Manual Integrations
 APPROVED

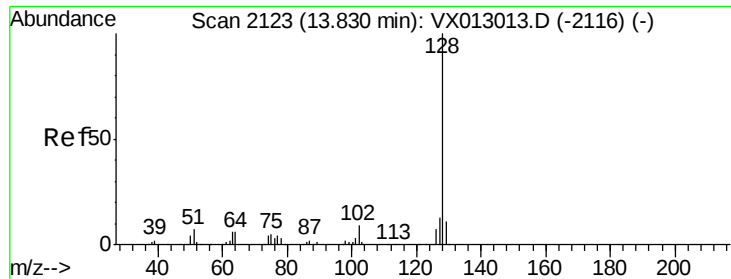
MMDadoda
 10/16/2019 9:57:17 AM



#94
 Hexachlorobutadiene
 Concen: 2.568 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013082.D
 Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.1	93.2
227	60.8	32.3	96.9





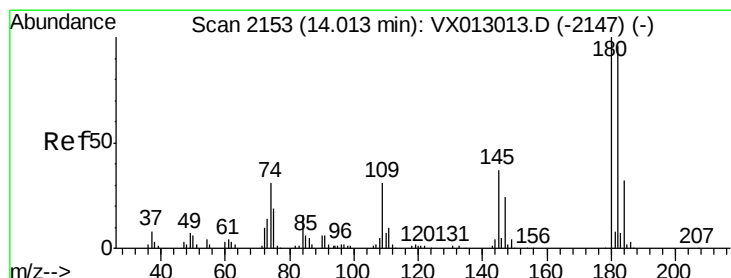
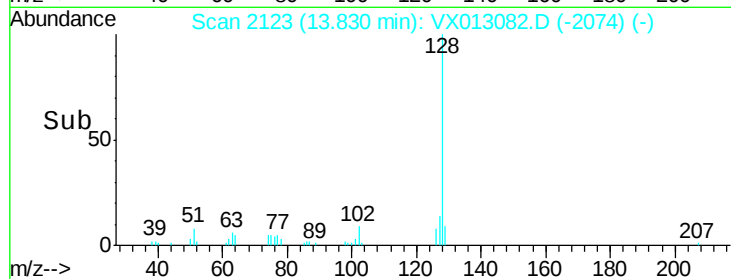
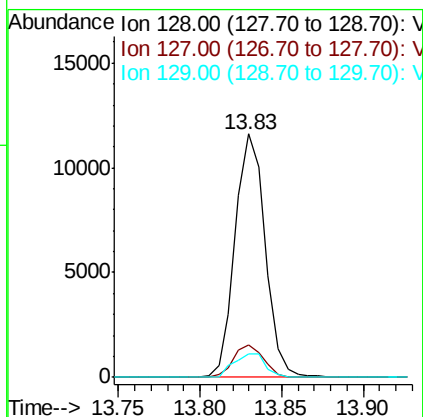
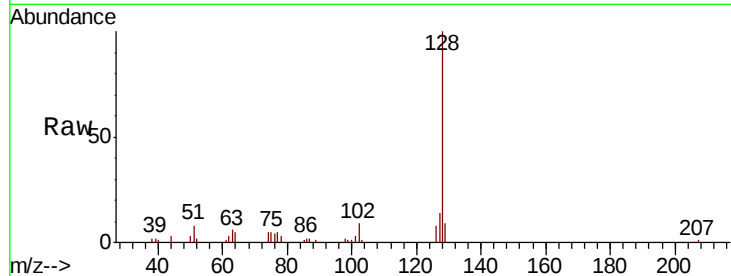
#95
Naphthalene
Concen: 2.060 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/16/2019 9:57:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 2.317 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013082.D
Acq: 15 Oct 2019 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.5
145	38.0	17.4	52.3

