

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101019\
 Data File : VX013003.D
 Acq On : 10 Oct 2019 18:03
 Operator : JC/SP
 Sample : K5111-07 2.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 2:47:57 PM

Quant Time: Oct 11 09:46:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280778	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	111897	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
35) Dibromofluoromethane	5.49	113	85403	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	8.71	98	330911	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.14	95	116001	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	4346	2.610	ug/l	97
3) Chloromethane	1.32	50	4901	2.705	ug/l	94
4) Vinyl Chloride	1.40	62	4501	2.407	ug/l	97
5) Bromomethane	1.63	94	2457	3.161	ug/l	97
6) Chloroethane	1.72	64	3739	3.397	ug/l	97
7) Trichlorofluoromethane	1.92	101	6913	2.739	ug/l	99
8) Diethyl Ether	2.18	74	2754	2.703	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4419	2.705	ug/l	95
10) Methyl Iodide	2.50	142	3005	1.870	ug/l	94
11) Tert butyl alcohol	3.03	59	10663	19.704	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	4266	2.585	ug/l	97
13) Acrolein	2.28	56	4050	10.531	ug/l	97
14) Allyl chloride	2.72	41	7308	2.486	ug/l	91
15) Acrylonitrile	3.13	53	14071	13.720	ug/l	100
16) Acetone	2.44	43	13101	12.175	ug/l	93
17) Carbon Disulfide	2.56	76	10745	2.283	ug/l	100
18) Methyl Acetate	2.76	43	7322	2.871	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	14830	2.602	ug/l	99
20) Methylene Chloride	2.84	84	5752	2.909	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	4666	2.638	ug/l	89
22) Diisopropyl ether	3.84	45	14586	2.590	ug/l #	79
23) Vinyl Acetate	3.81	43	58845	12.102	ug/l	99
24) 1,1-Dichloroethane	3.69	63	8559	2.701	ug/l	99
25) 2-Butanone	4.67	43	19059	12.767	ug/l	99
26) 2,2-Dichloropropane	4.58	77	5823	2.185	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	5299	2.599	ug/l	90
28) Bromochloromethane	5.00	49	2622	2.889	ug/l #	96
29) Tetrahydrofuran	5.12	42	12770	13.901	ug/l	96
30) Chloroform	5.20	83	9147	2.813	ug/l	85
31) Cyclohexane	5.57	56	7724	2.607	ug/l #	92
32) 1,1,1-Trichloroethane	5.48	97	7079	2.570	ug/l	93
36) 1,1-Dichloropropene	5.79	75	6329	2.564	ug/l	95
37) Ethyl Acetate	4.83	43	6366	2.306	ug/l #	93
38) Carbon Tetrachloride	5.78	117	5894	2.453	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	7458	2.491	ug/l	98
40) Benzene	6.14	78	19219	2.636	ug/l	98
41) Methacrylonitrile	5.04	41	4143m	2.731	ug/l	
42) 1,2-Dichloroethane	6.19	62	7377	2.820	ug/l	99
43) Isopropyl Acetate	6.43	43	10901	2.460	ug/l	98
44) Trichloroethene	7.21	130	5412	2.677	ug/l	98
45) 1,2-Dichloropropane	7.51	63	5143	2.768	ug/l	99
46) Dibromomethane	7.66	93	3149	2.543	ug/l	97
47) Bromodichloromethane	7.89	83	5787	2.395	ug/l #	95
48) Methyl methacrylate	7.77	41	5272	2.442	ug/l	92
49) 1,4-Dioxane	7.74	88	2716	52.032	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	35780	12.953	ug/l	97
52) Toluene	8.78	92	12216	2.619	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5164	1.931	ug/l #	88
54) cis-1,3-Dichloropropene	8.43	75	6291	2.117	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	5001	2.709	ug/l	95
56) Ethyl methacrylate	9.18	69	7023	2.349	ug/l	94
57) 1,3-Dichloropropane	9.37	76	8087	2.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	14497	10.690	ug/l	98
59) 2-Hexanone	9.49	43	26142	12.157	ug/l	95
60) Dibromochloromethane	9.58	129	4062	2.246	ug/l	94
61) 1,2-Dibromoethane	9.67	107	4970	2.559	ug/l	93
64) Tetrachloroethene	9.34	164	4969	2.856	ug/l	94
65) Chlorobenzene	10.14	112	12760	2.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	4273	2.474	ug/l	97
67) Ethyl Benzene	10.25	91	22090	2.497	ug/l	98
68) m/p-Xylenes	10.36	106	16432	4.971	ug/l	97
69) o-Xylene	10.70	106	8243	2.557	ug/l	100
70) Styrene	10.71	104	12855	2.346	ug/l	100
71) Bromoform	10.85	173	2405	1.932	ug/l #	97
73) Isopropylbenzene	11.01	105	20742	2.652	ug/l	99
74) N-amyl acetate	10.89	43	7970	2.366	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	6822	2.622	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	6540m	2.772	ug/l	
77) Bromobenzene	11.25	156	5156	2.797	ug/l	96
78) n-propylbenzene	11.35	91	22932	2.664	ug/l	96
79) 2-Chlorotoluene	11.42	91	14907	2.756	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	16761	2.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	1419m	1.702	ug/l	
82) 4-Chlorotoluene	11.51	91	15956	2.574	ug/l	100
83) tert-Butylbenzene	11.77	119	16119	2.530	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	16446	2.486	ug/l	99
85) sec-Butylbenzene	11.94	105	18188	2.464	ug/l	98
86) p-Isopropyltoluene	12.06	119	16418	2.398	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	8761	2.560	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	9026	2.604	ug/l	86
89) n-Butylbenzene	12.39	91	13179	2.291	ug/l	99
90) Hexachloroethane	12.59	117	2535	2.286	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	8728	2.601	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1249	2.048	ug/l	96

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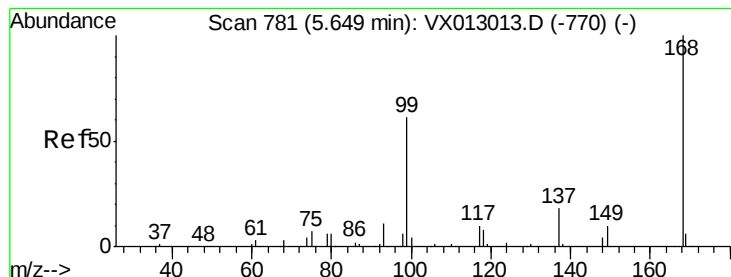
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	4442	2.113	ug/l	96
94) Hexachlorobutadiene	13.78	225	2314	2.385	ug/l	97
95) Naphthalene	13.83	128	14576	2.000	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	4978	2.292	ug/l	99

(#) = 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: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:168 Resp: 163332

Ion Ratio Lower Upper

168 100

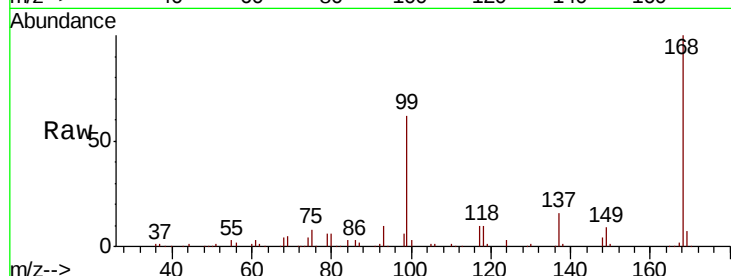
99 62.1 49.4 74.0

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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

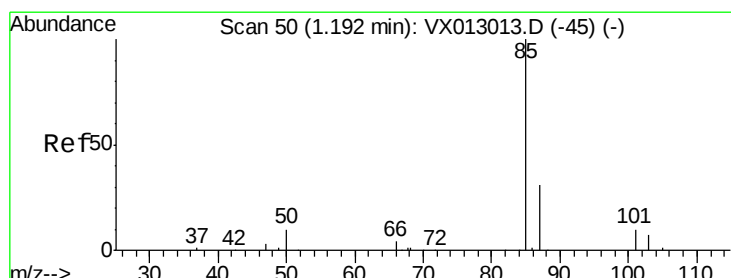
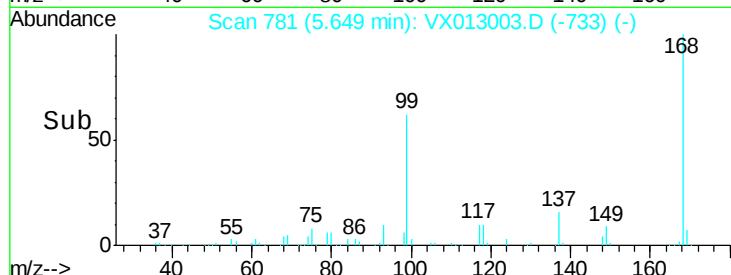
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 2.610 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013003.D

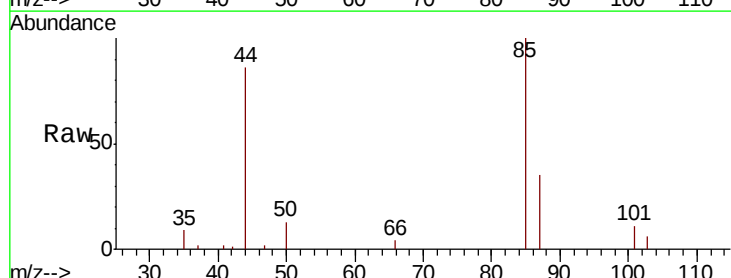
Acq: 10 Oct 2019 18:03

Tgt Ion: 85 Resp: 4346

Ion Ratio Lower Upper

85 100

87 34.9 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

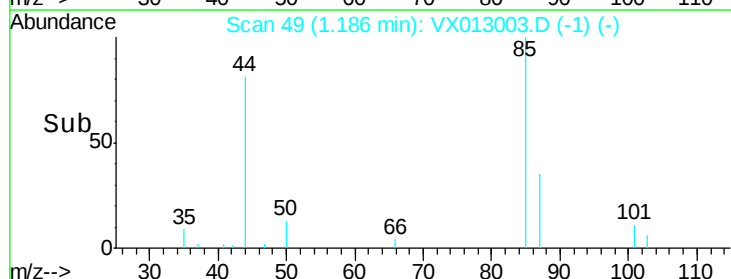
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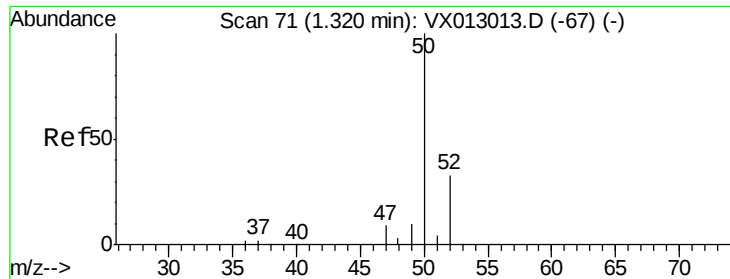
2000

1000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 2.705 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 50 Resp: 4901

Ion Ratio Lower Upper

50 100

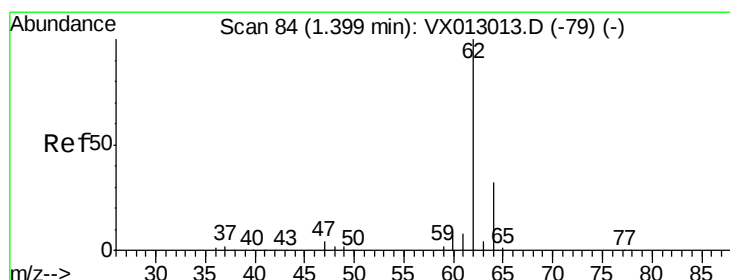
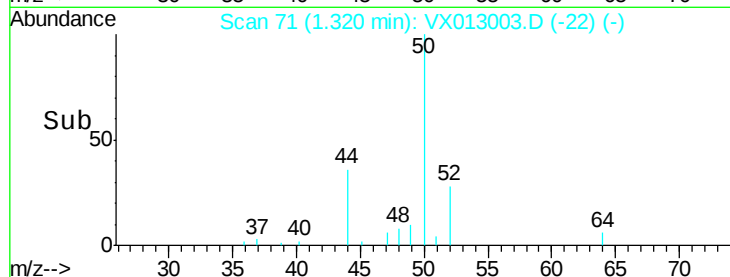
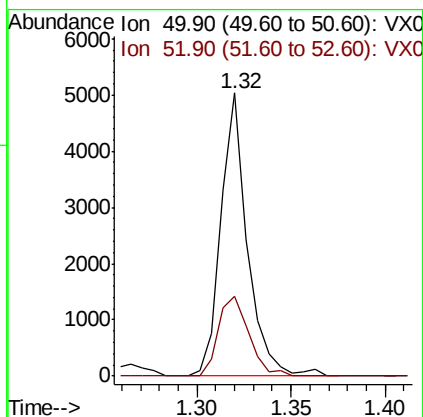
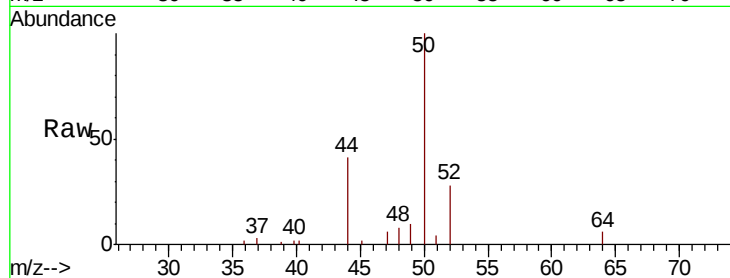
52 28.0 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.407 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013003.D

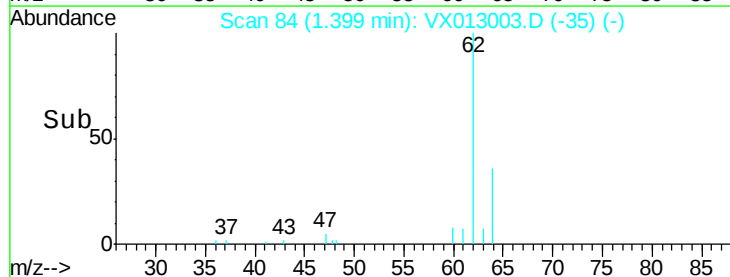
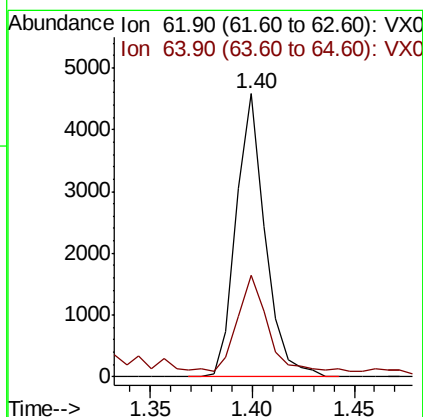
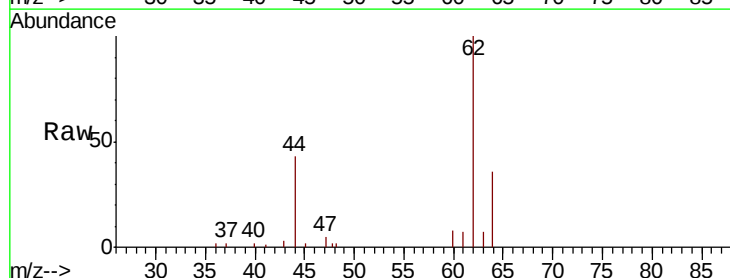
Acq: 10 Oct 2019 18:03

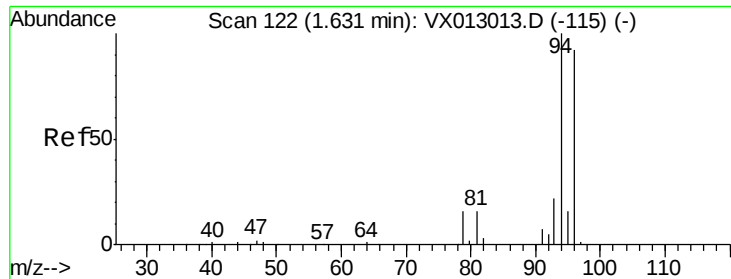
Tgt Ion: 62 Resp: 4501

Ion Ratio Lower Upper

62 100

64 33.4 25.3 37.9





#5

Bromomethane

Concen: 3.161 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

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ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 94 Resp: 2457

Ion Ratio Lower Upper

94 100

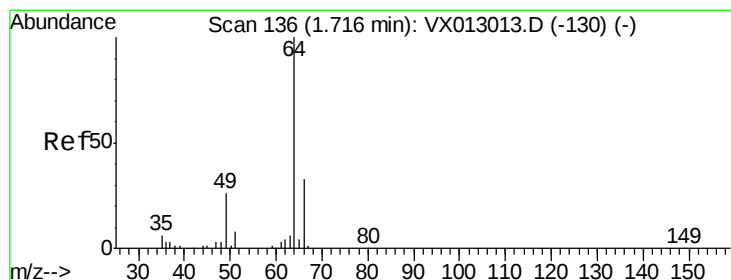
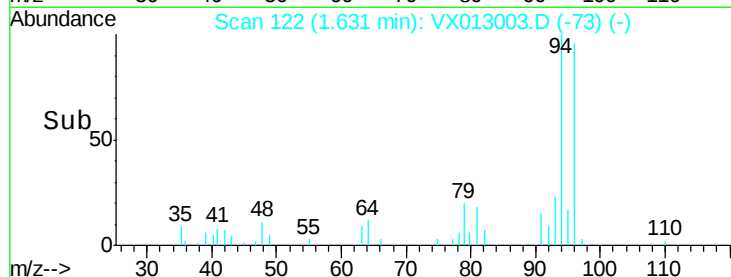
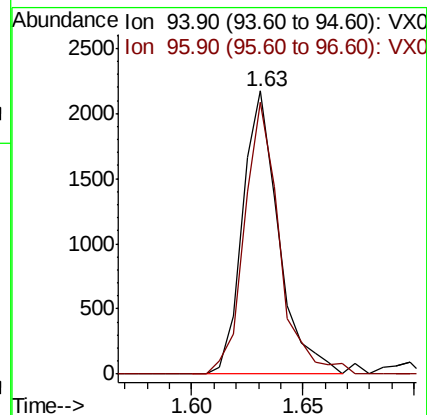
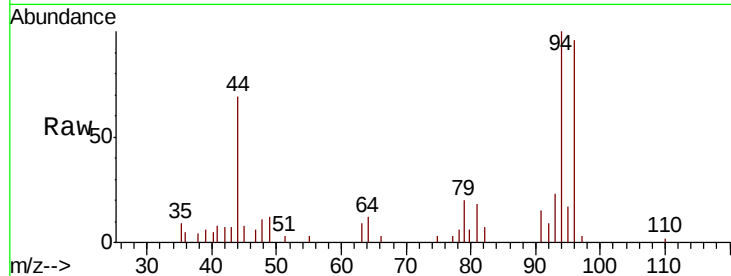
96 96.1 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 3.397 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013003.D

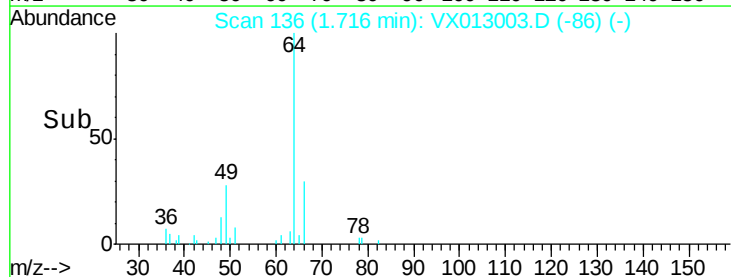
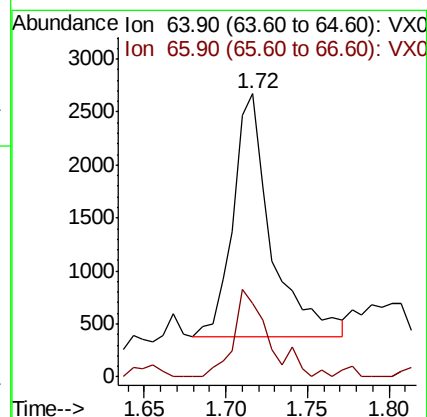
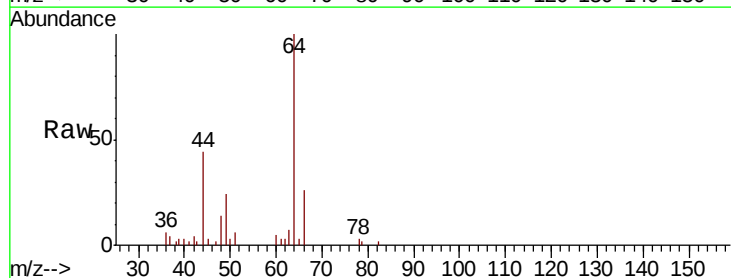
Acq: 10 Oct 2019 18:03

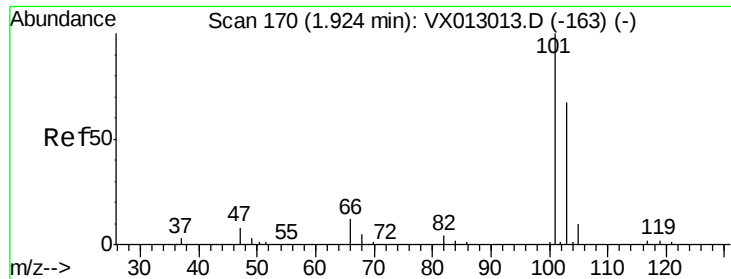
Tgt Ion: 64 Resp: 3739

Ion Ratio Lower Upper

64 100

66 30.1 25.6 38.4





#7

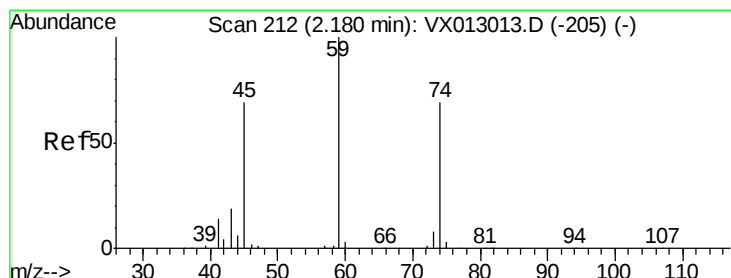
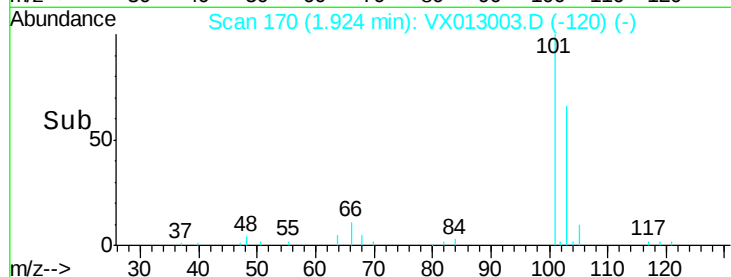
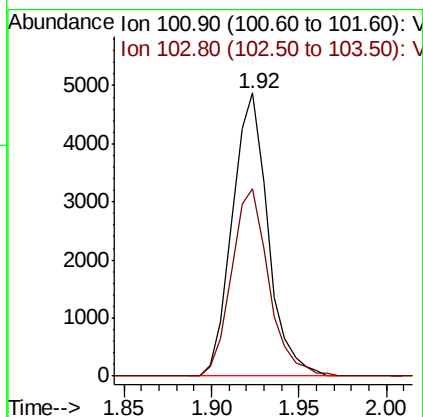
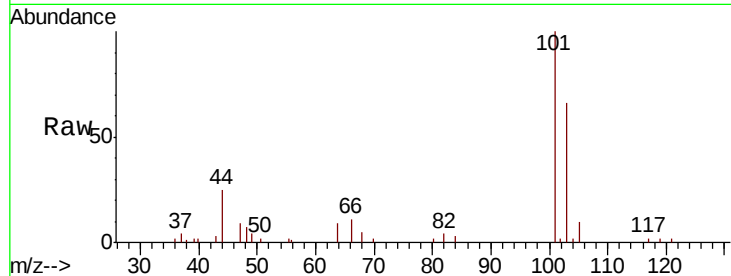
Trichlorofluoromethane
Concen: 2.739 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.5	78.7

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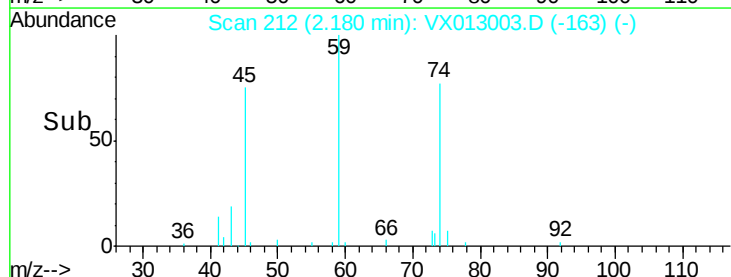
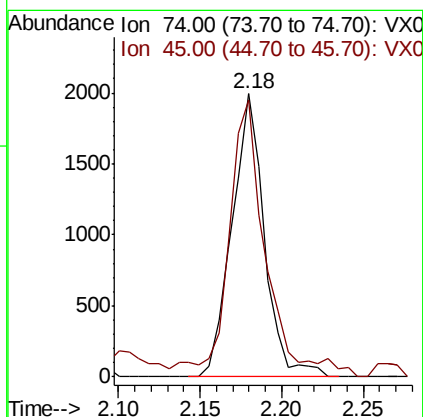
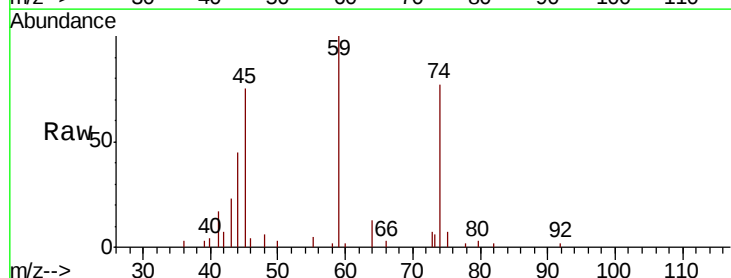
MMDadoda
10/14/2019 2:47:57 PM

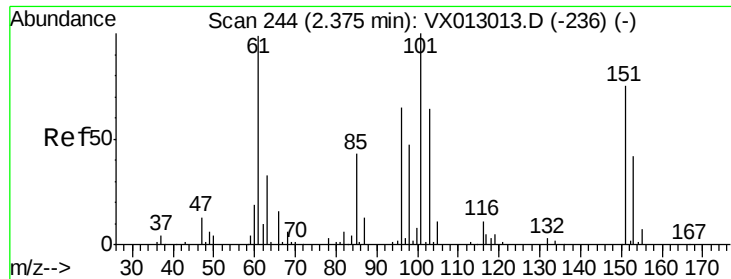


#8

Diethyl Ether
Concen: 2.703 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.6	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.705 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

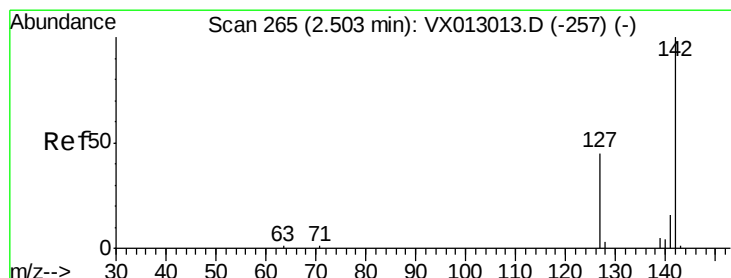
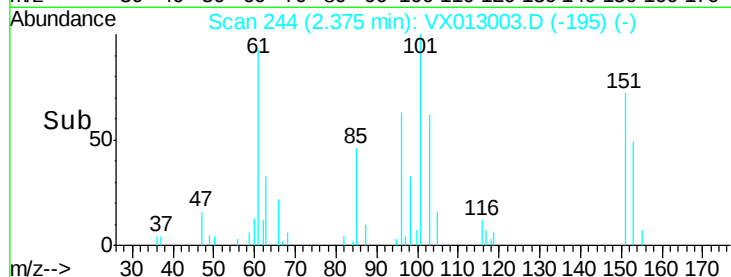
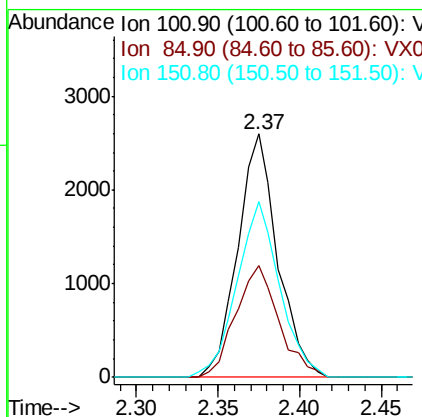
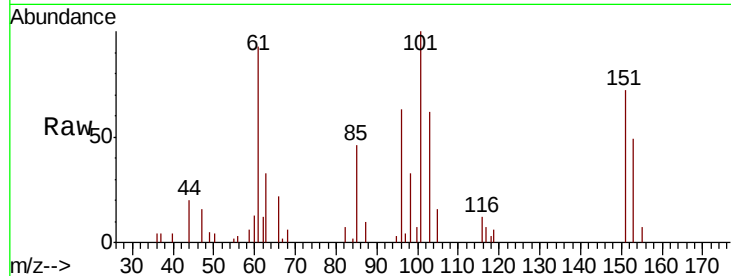
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	101	Resp:	4419
Ion Ratio	Lower	Upper	
101	100		
85	49.6	35.2	52.8
151	77.5	60.3	90.5

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#10

Methyl Iodide

Concen: 1.870 ug/l

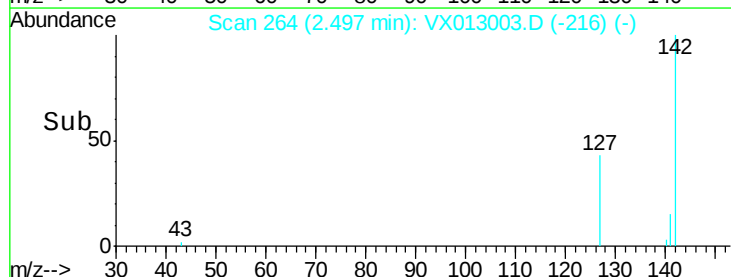
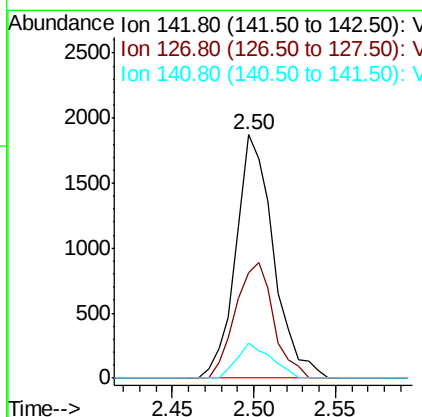
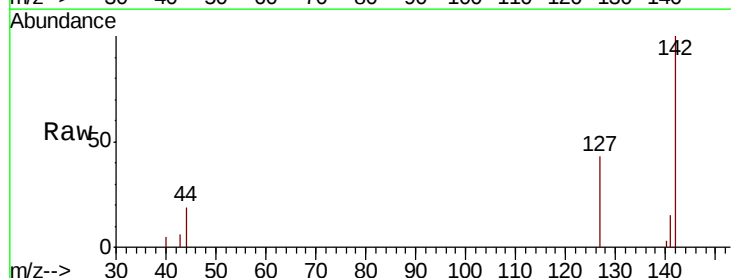
RT: 2.50 min Scan# 264

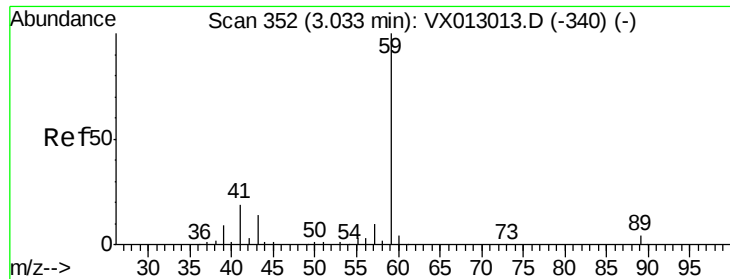
Delta R.T. -0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	142	Resp:	3005
Ion Ratio	Lower	Upper	
142	100		
127	47.9	34.9	52.3
141	13.0	11.6	17.4





#11

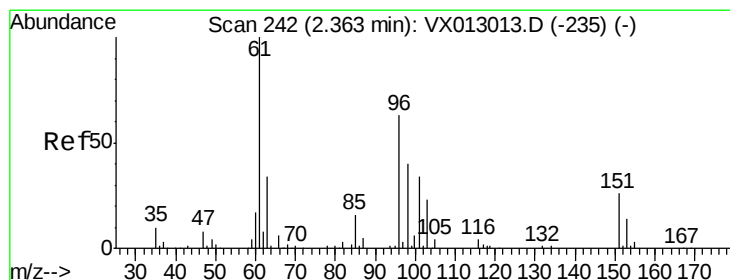
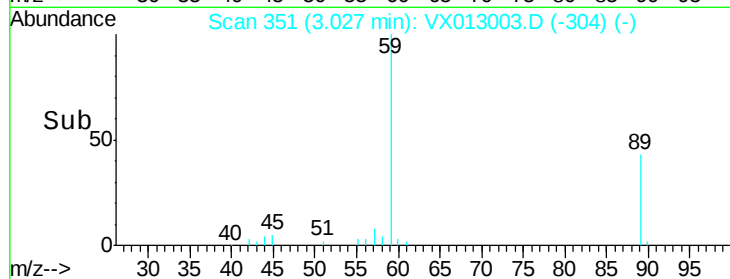
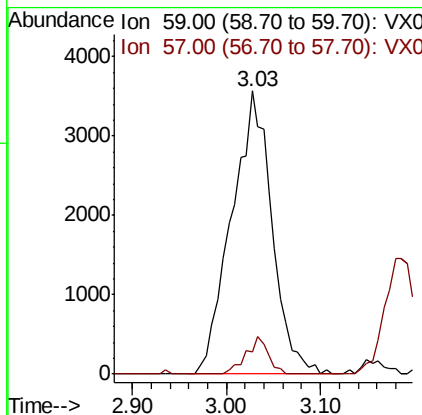
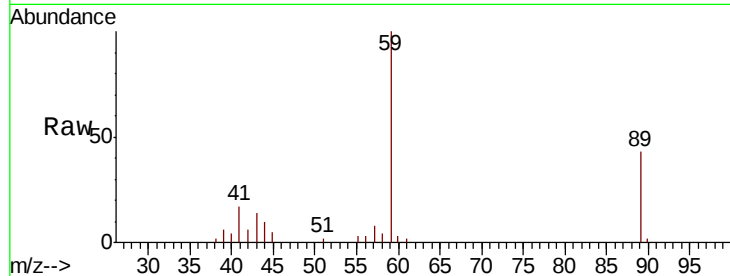
Tert butyl alcohol
Concen: 19.704 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion: 59 Resp: 10663
Ion Ratio Lower Upper
59 100
57 7.2 8.3 12.5#

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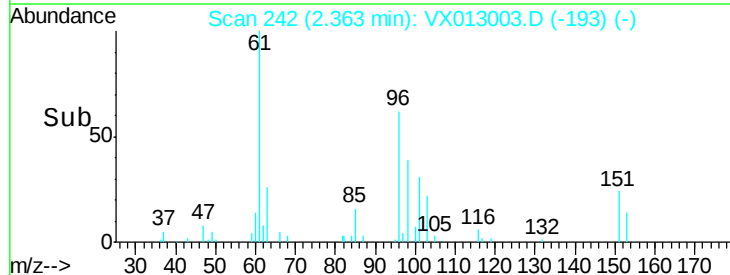
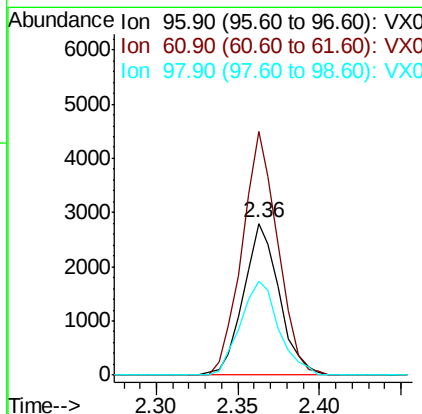
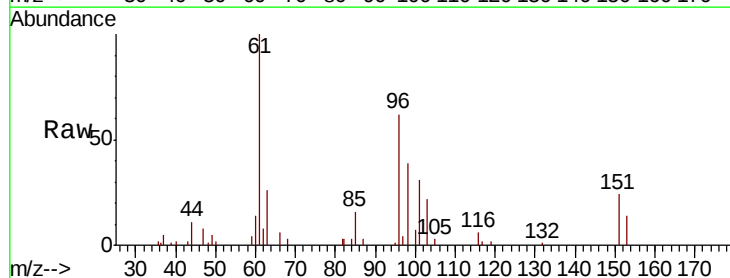
MMDadoda
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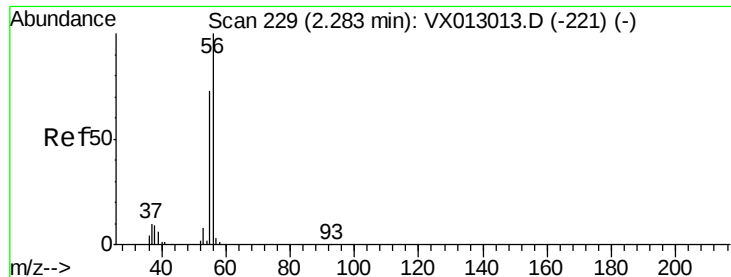


#12

1,1-Dichloroethene
Concen: 2.585 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 96 Resp: 4266
Ion Ratio Lower Upper
96 100
61 160.3 132.2 198.4
98 62.0 50.5 75.7





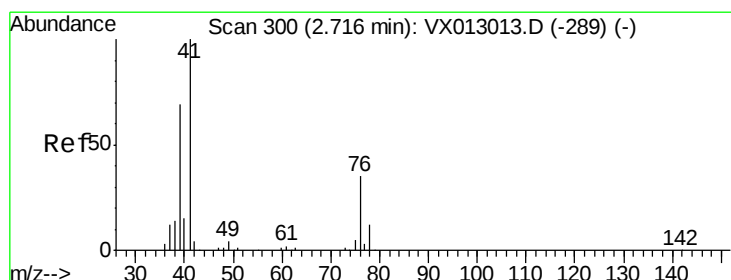
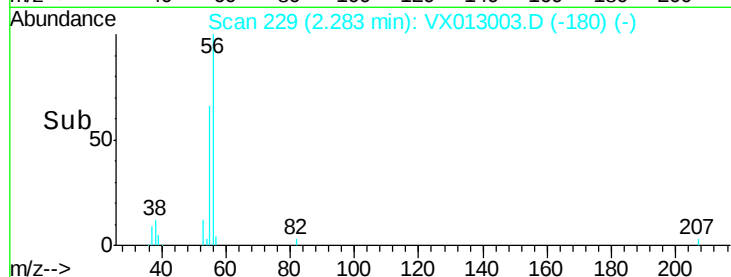
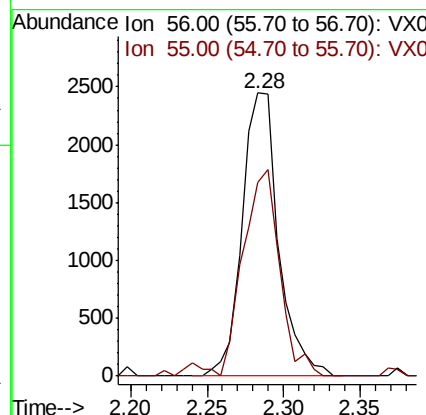
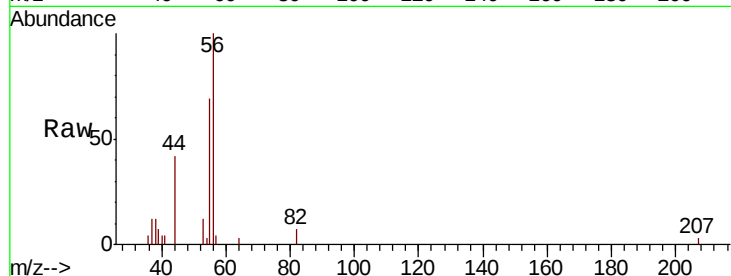
#13
Acrolein
Concen: 10.531 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.9	56.6	85.0

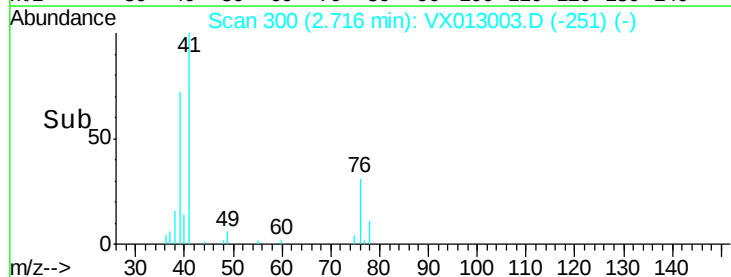
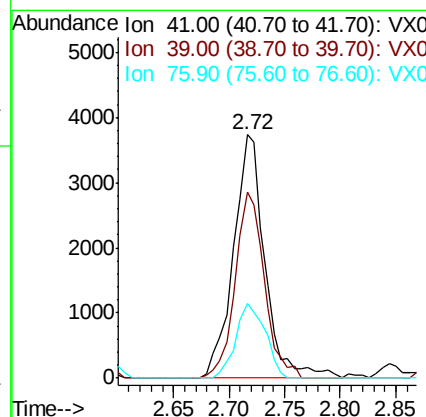
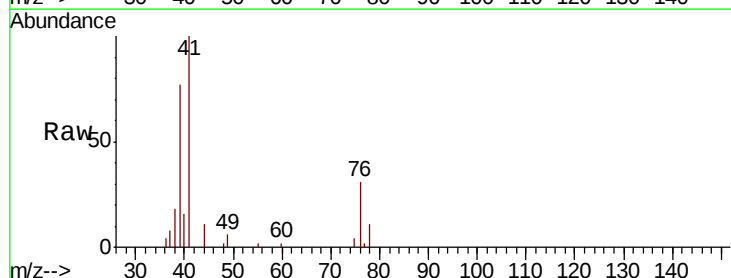
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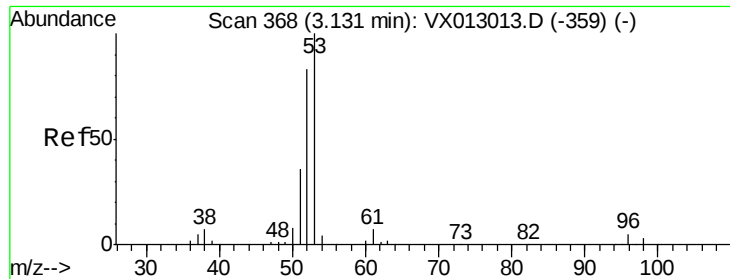
MMDadoda
10/14/2019 2:47:57 PM



#14
Allyl chloride
Concen: 2.486 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.1	51.0	76.6
76	28.7	26.2	39.4





#15

Acrylonitrile

Concen: 13.720 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

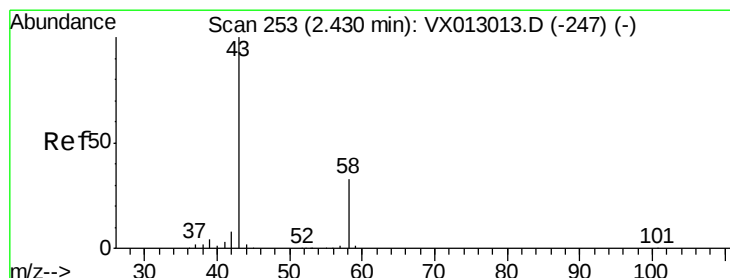
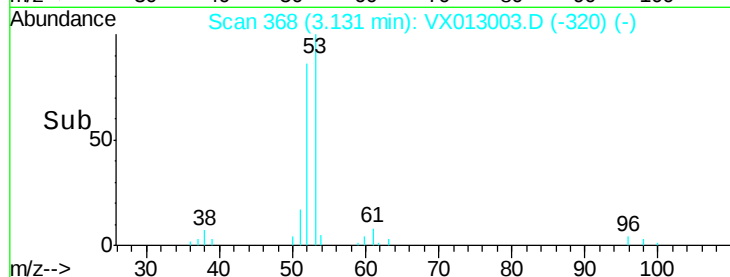
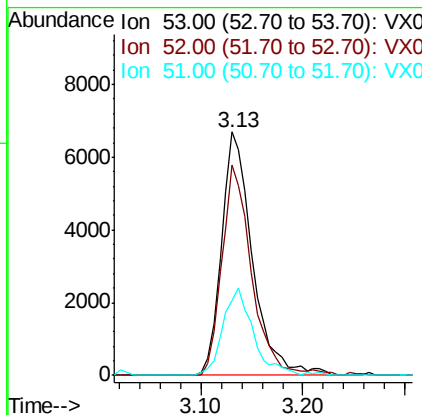
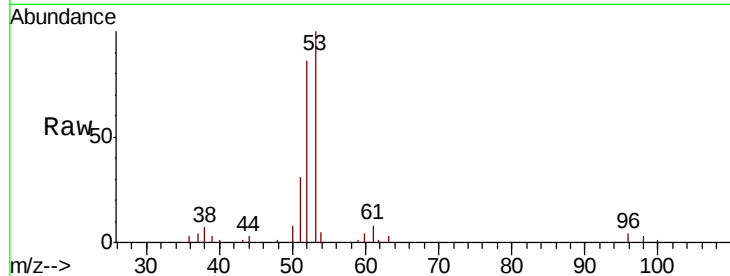
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	53	Resp:	14071
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	34.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 12.175 ug/l

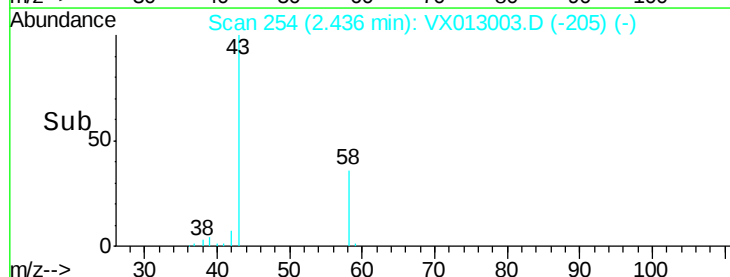
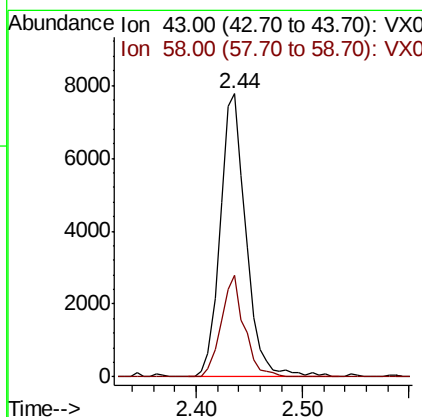
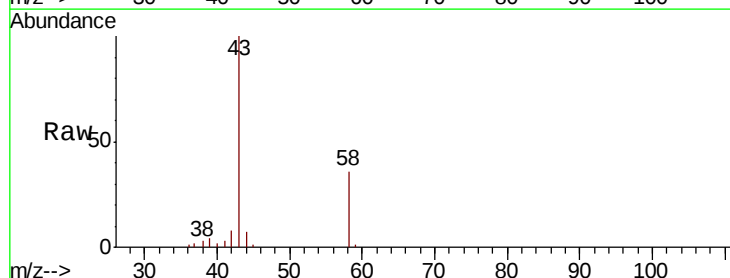
RT: 2.44 min Scan# 254

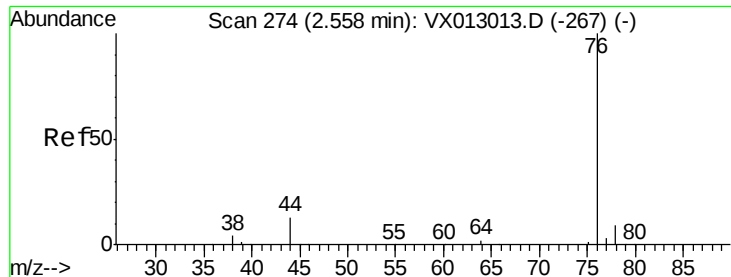
Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	43	Resp:	13101
Ion	Ratio	Lower	Upper
43	100		
58	35.9	25.4	38.2





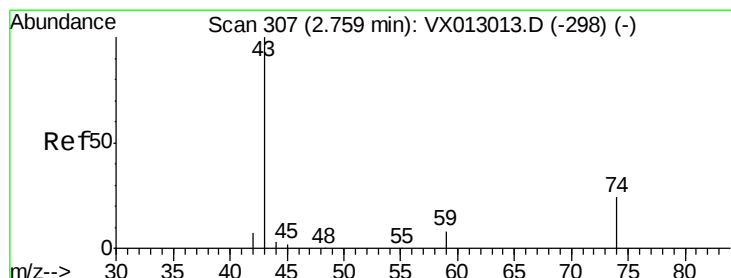
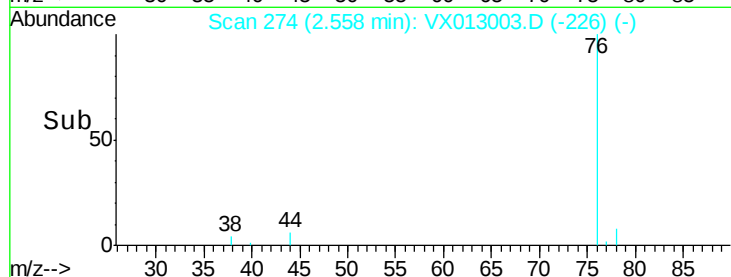
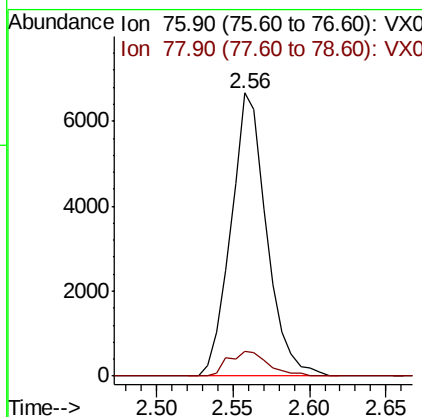
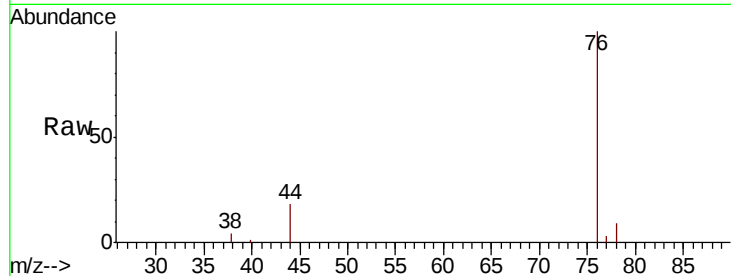
#17
Carbon Disulfide
Concen: 2.283 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion: 76 Resp: 10745
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

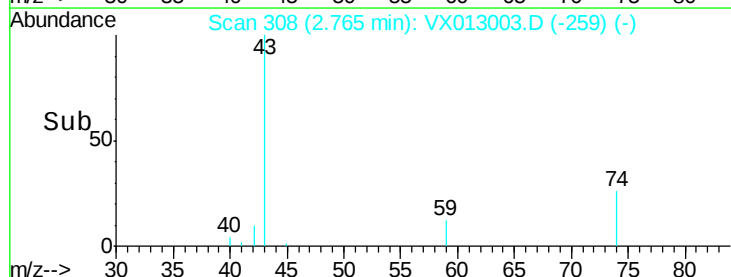
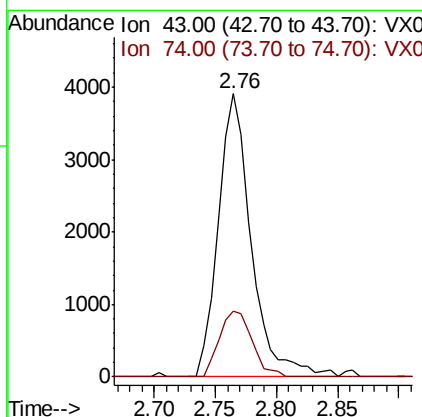
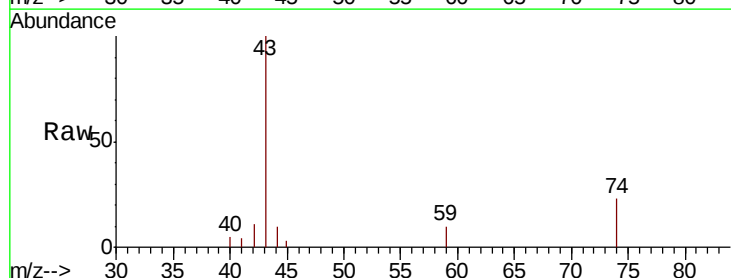
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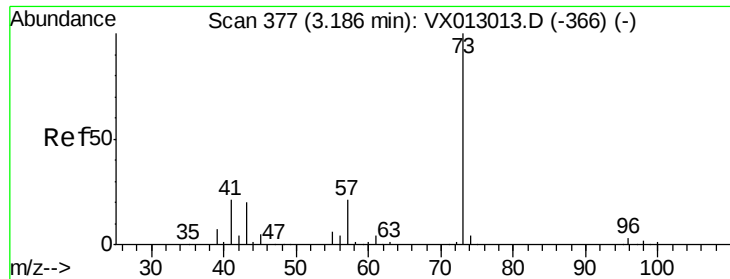
MMDadoda
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#18
Methyl Acetate
Concen: 2.871 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 43 Resp: 7322
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8





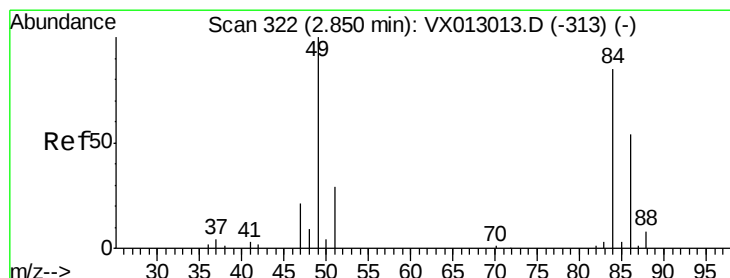
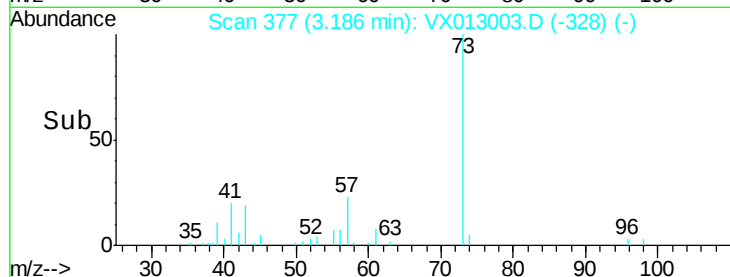
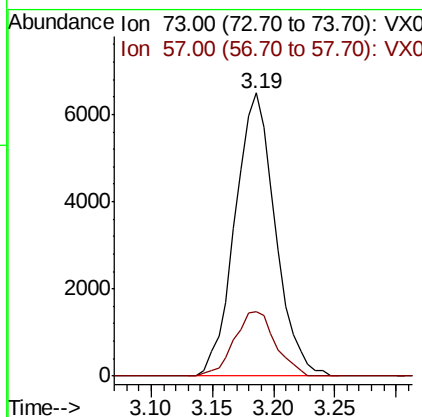
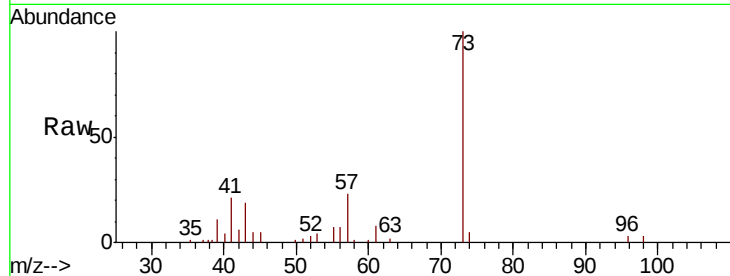
#19
Methvl tert-butvl Ether
Concen: 2.602 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion: 73 Resp: 14830
Ion Ratio Lower Upper
73 100
57 22.6 17.8 26.6

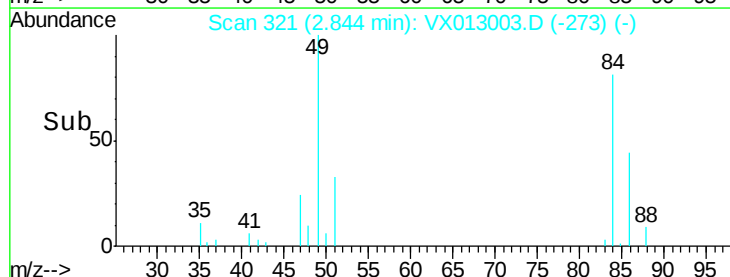
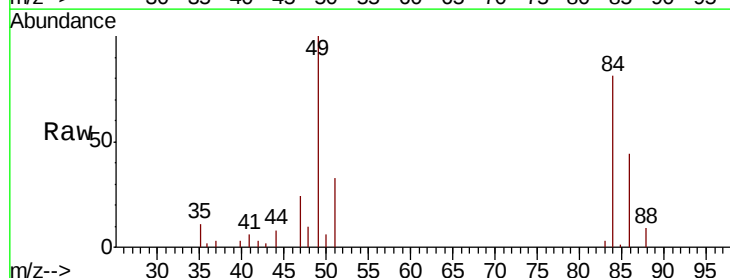
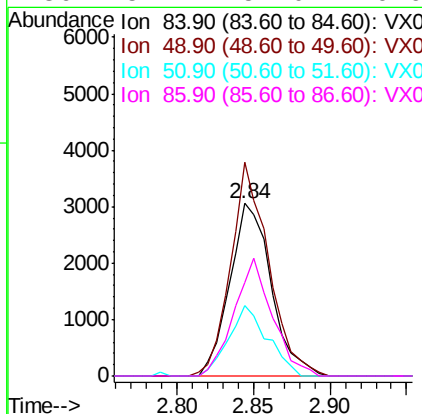
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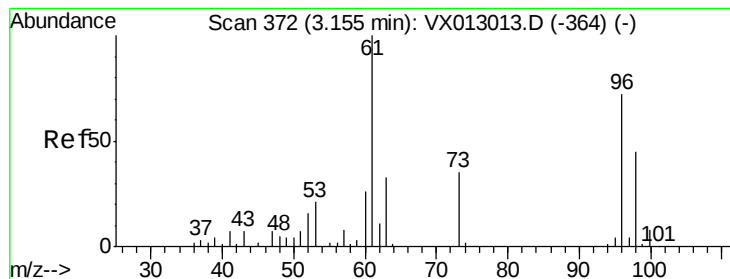
MMDadoda
10/14/2019 2:47:57 PM



#20
Methylene Chloride
Concen: 2.909 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 84 Resp: 5752
Ion Ratio Lower Upper
84 100
49 123.9 96.6 144.8
51 40.9 30.7 46.1
86 54.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 2.638 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

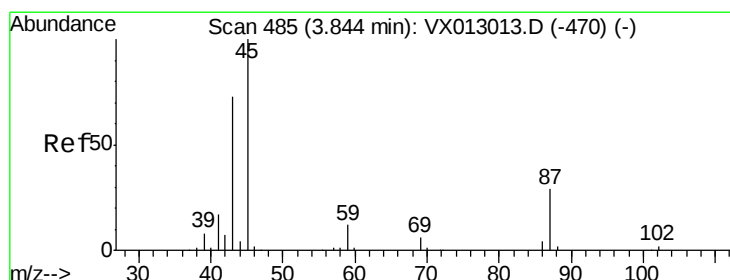
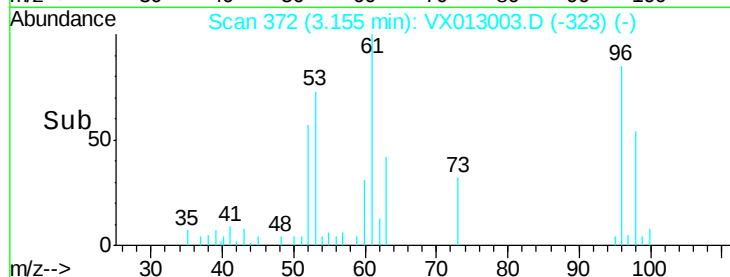
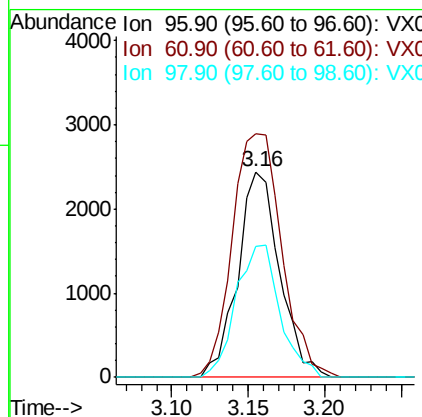
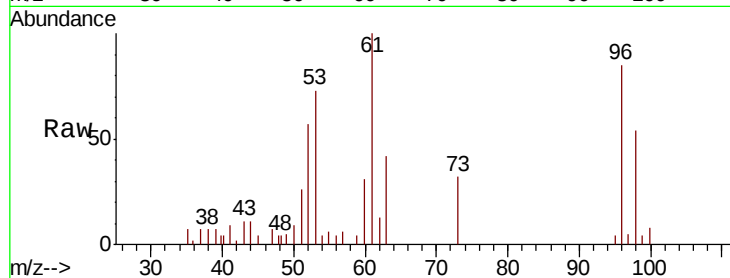
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	96	Resp:	4666
Ion	Ratio	Lower	Upper
96	100		
61	118.3	110.4	165.6
98	63.6	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.590 ug/l

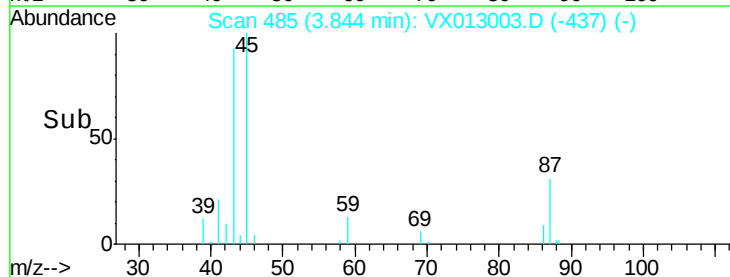
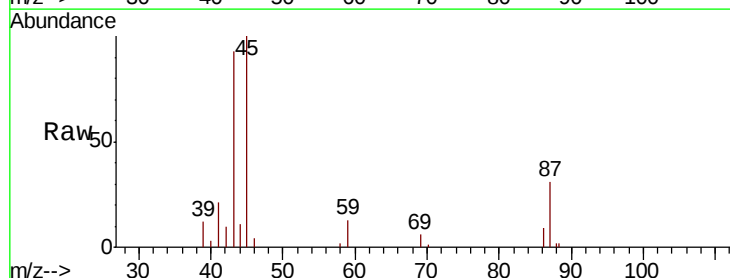
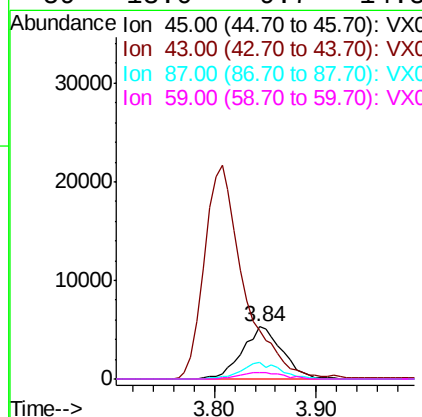
RT: 3.84 min Scan# 485

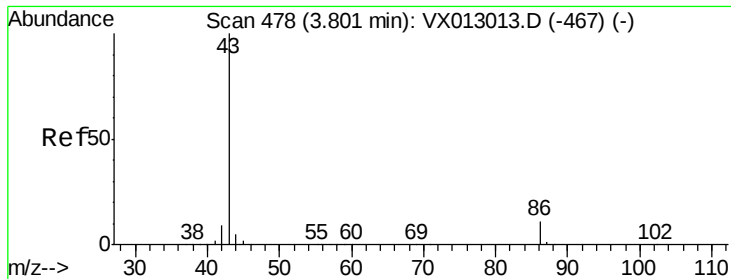
Delta R.T. -0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	45	Resp:	14586
Ion	Ratio	Lower	Upper
45	100		
43	88.0	51.4	77.0#
87	31.2	22.5	33.7
59	13.0	9.7	14.5





#23

Vinyl Acetate

Concen: 12.102 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 58845

Ion Ratio Lower Upper

43 100

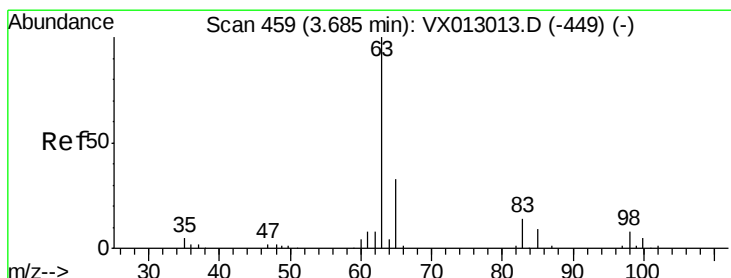
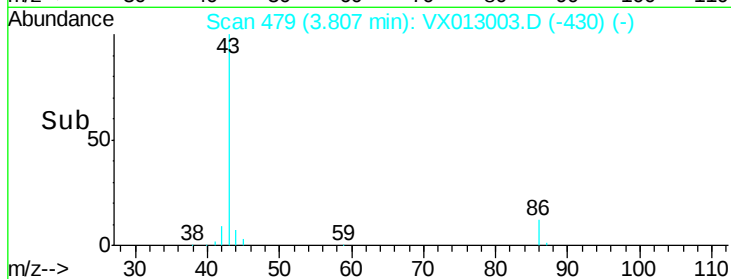
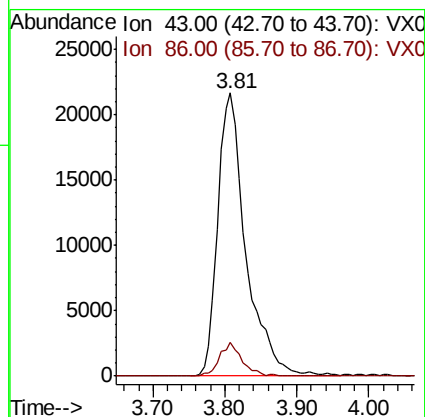
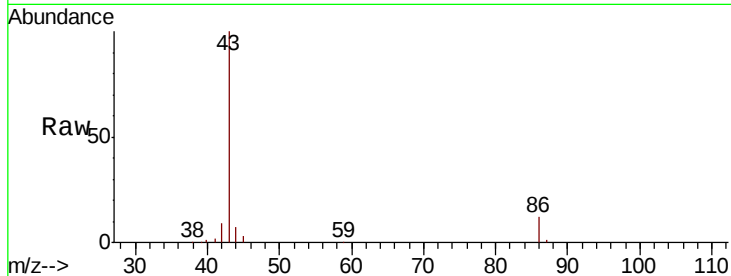
86 11.8 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.701 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

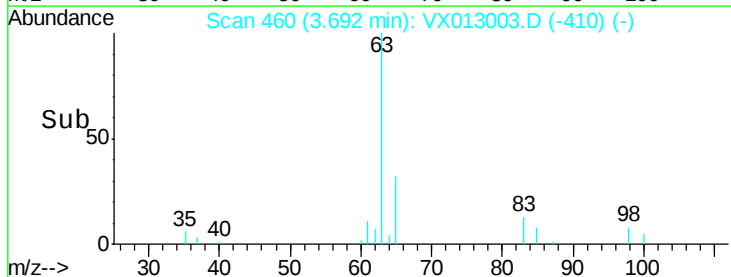
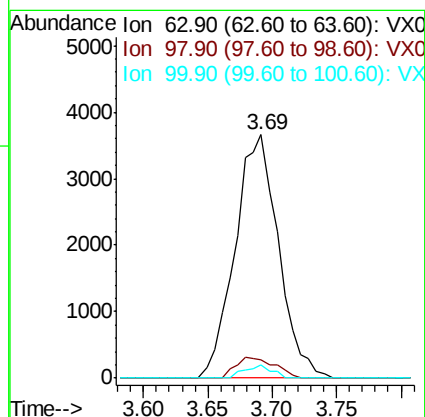
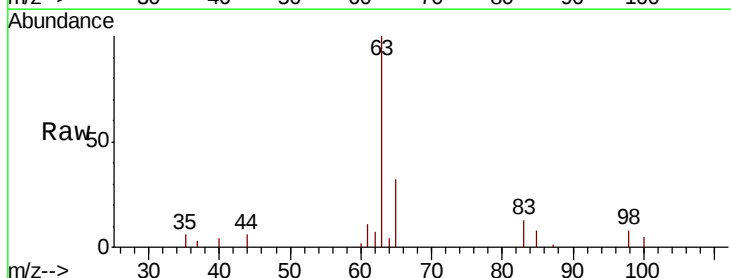
Tgt Ion: 63 Resp: 8559

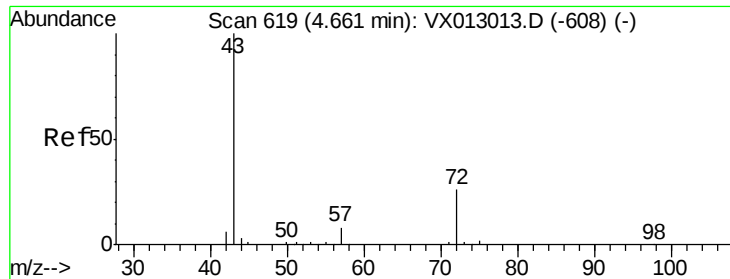
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 5.5 2.3 6.9





#25

2-Butanone

Concen: 12.767 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 19059

Ion Ratio Lower Upper

43 100

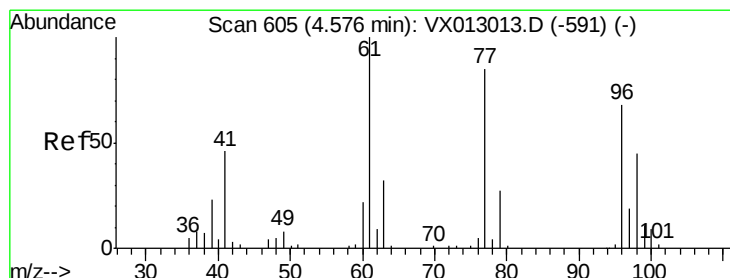
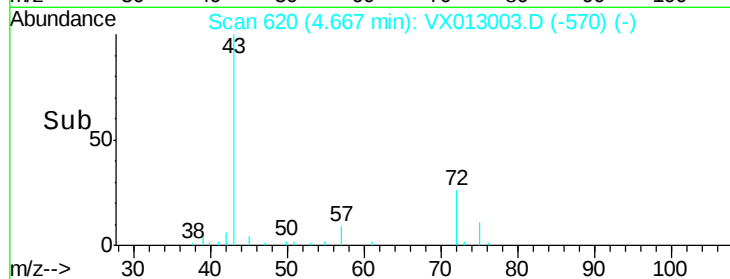
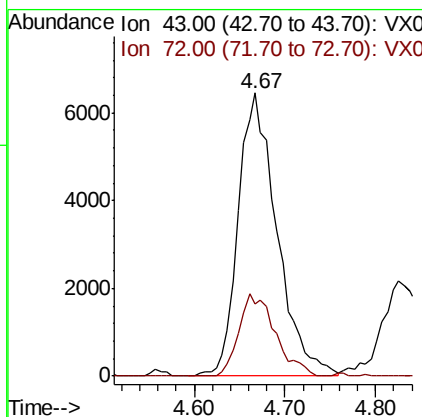
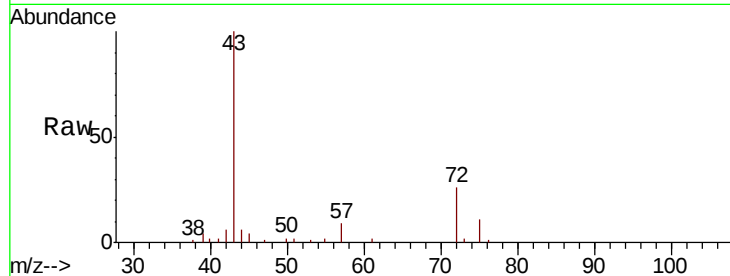
72 25.6 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 2.185 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX013003.D

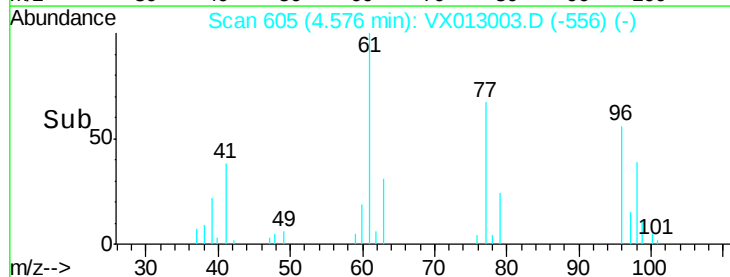
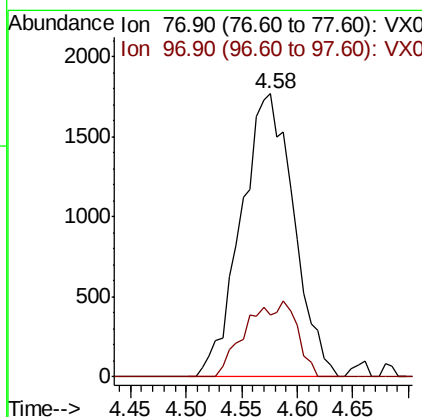
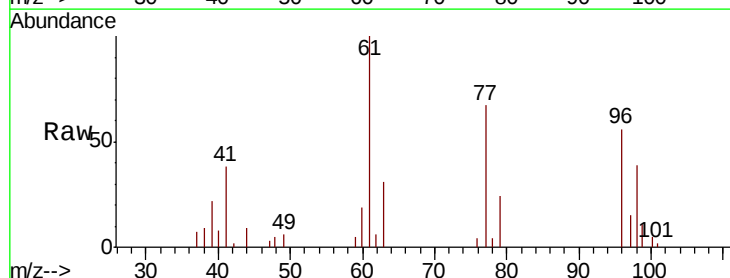
Acq: 10 Oct 2019 18:03

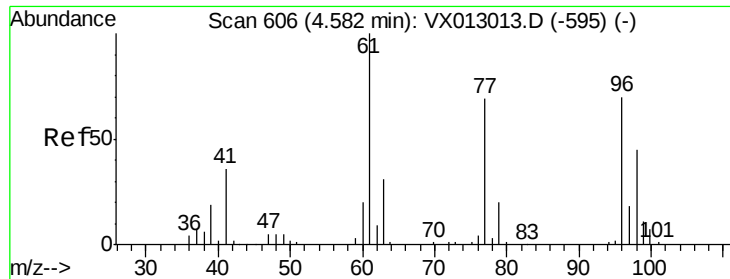
Tgt Ion: 77 Resp: 5823

Ion Ratio Lower Upper

77 100

97 25.7 11.3 33.9





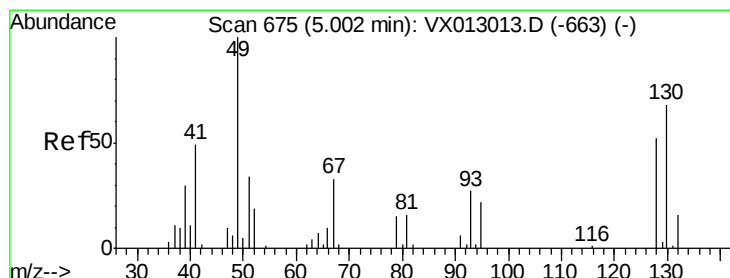
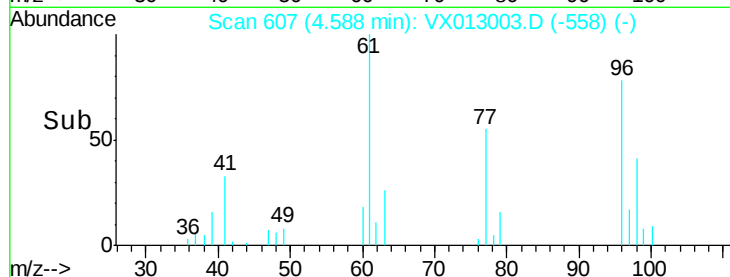
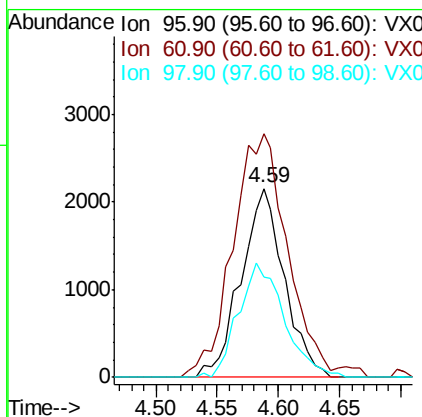
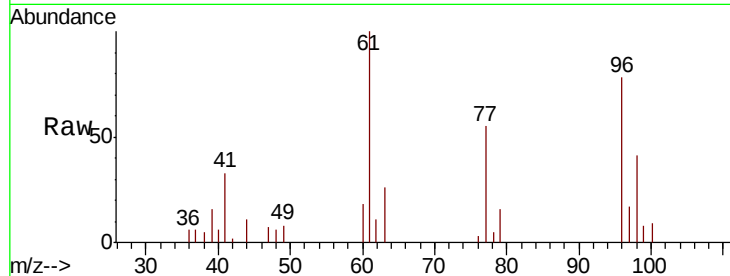
#27
 cis-1,2-Dichloroethene
 Concen: 2.599 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	290.6
98	64.1	0.0	128.8

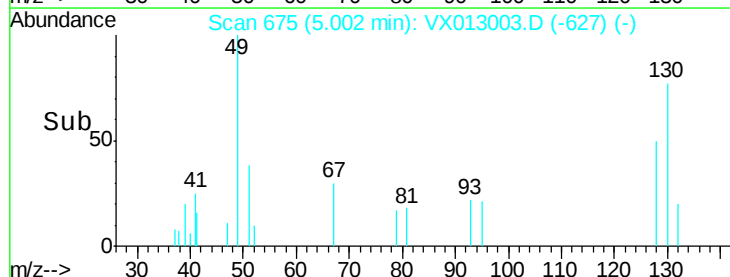
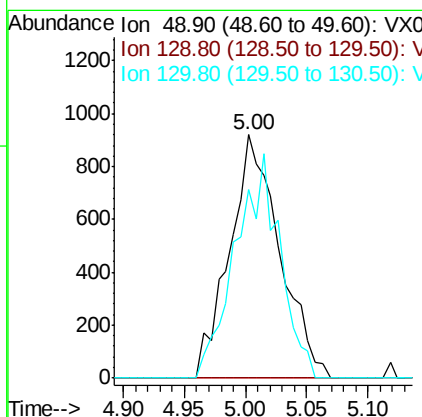
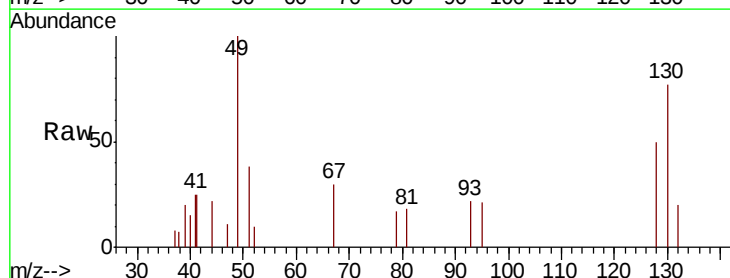
Manual Integrations
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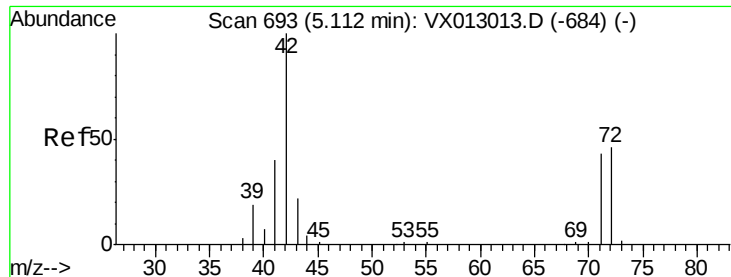
MMDadoda
 10/14/2019 2:47:57 PM



#28
 Bromochloromethane
 Concen: 2.889 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	81.4	62.1	93.1





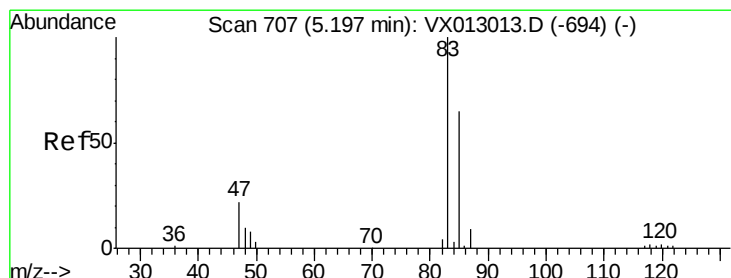
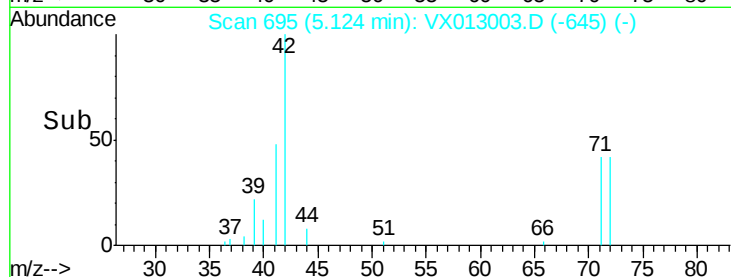
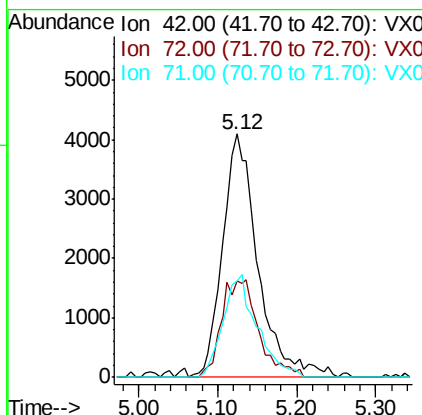
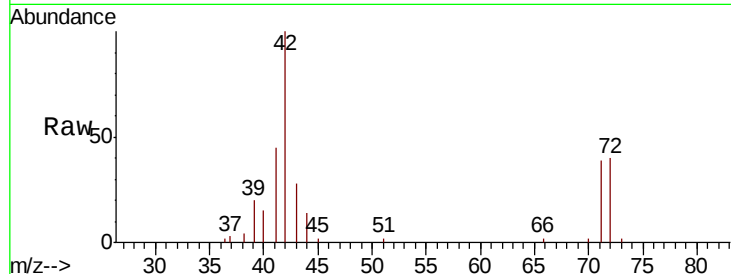
#29
Tetrahydrofuran
Concen: 13.901 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	36.9	55.3
71	40.5	33.5	50.3

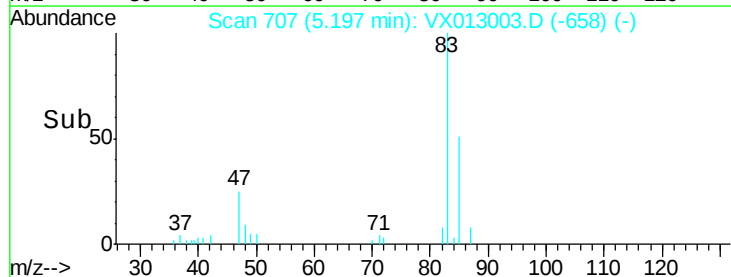
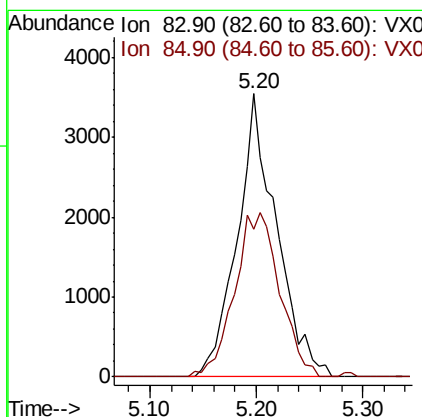
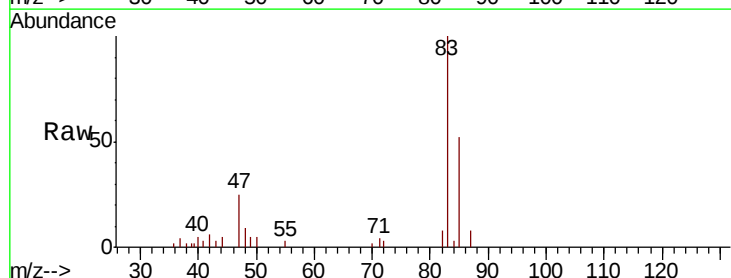
Manual Integrations
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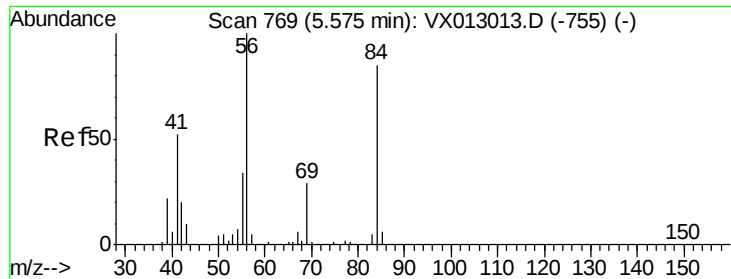
MMDadoda
10/14/2019 2:47:57 PM



#30
Chloroform
Concen: 2.813 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.4	51.5	77.3





#31

Cyclohexane

Concen: 2.607 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

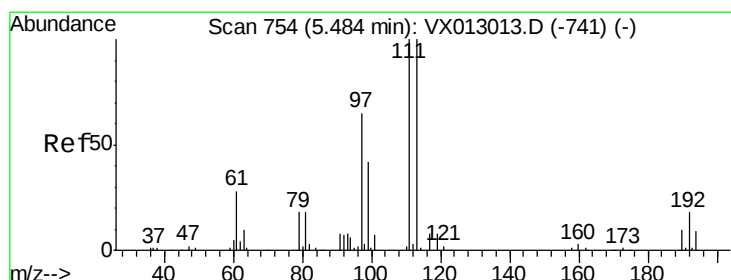
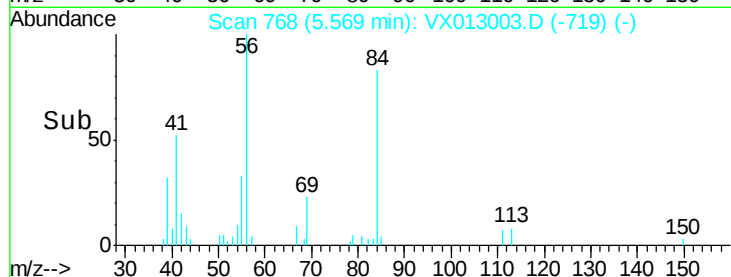
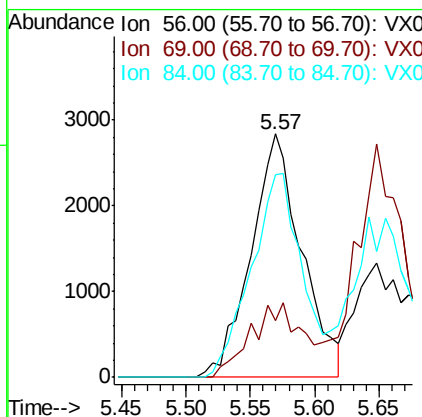
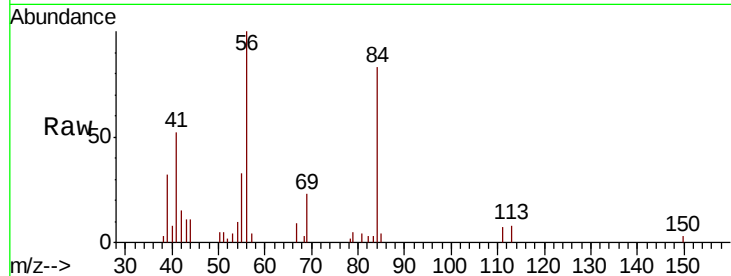
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	56	Resp:	7724
Ion Ratio	Lower	Upper	
56	100		
69	23.2	25.2	37.8#
84	83.3	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 2.570 ug/l

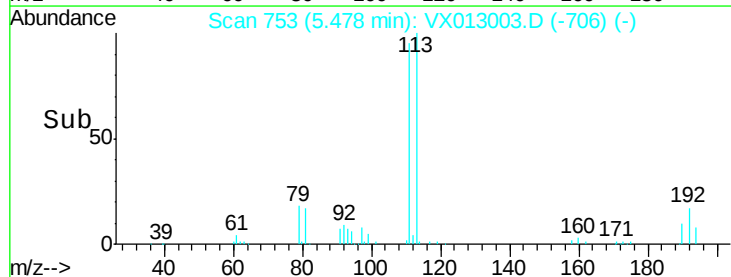
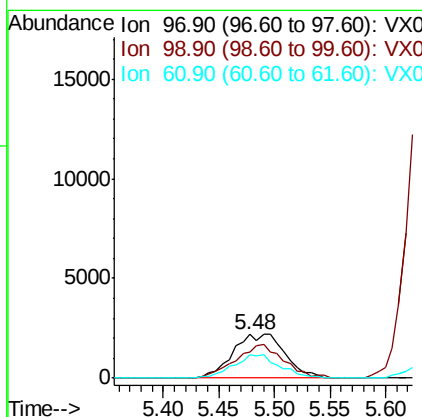
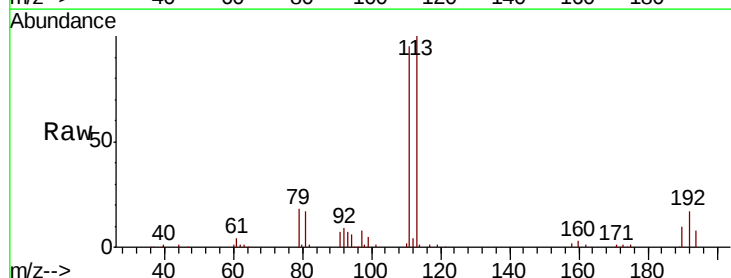
RT: 5.48 min Scan# 753

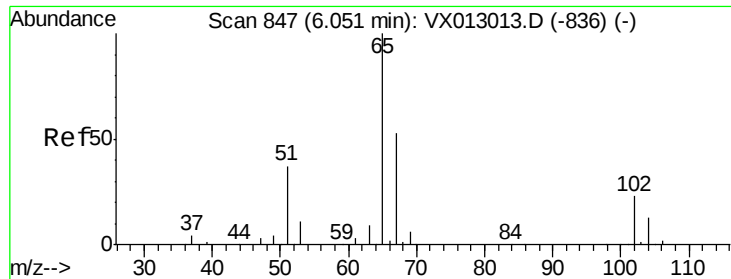
Delta R.T. -0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	97	Resp:	7079
Ion Ratio	Lower	Upper	
97	100		
99	71.1	52.3	78.5
61	47.6	35.0	52.4





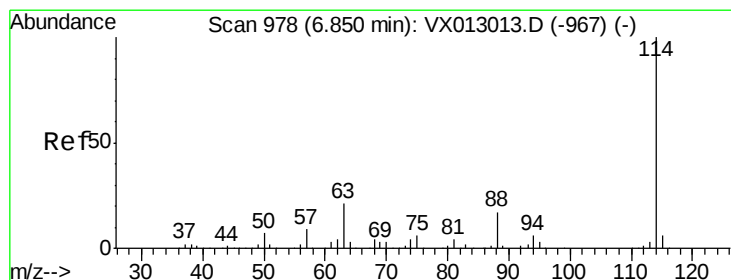
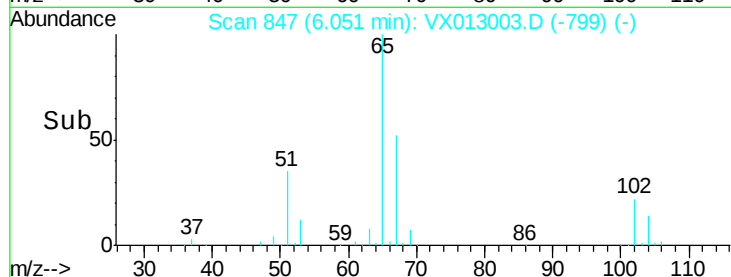
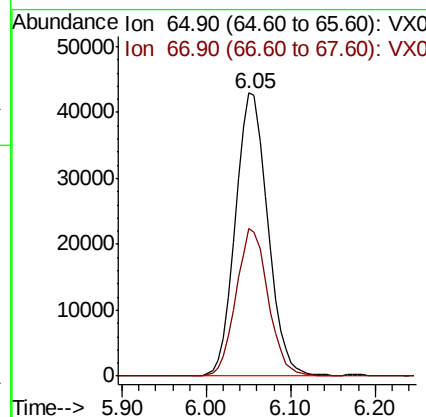
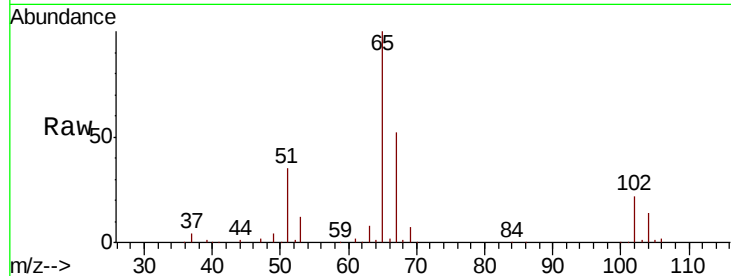
#33
 1,2-Dichloroethane-d4
 Concen: 54.813 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	111897		
67	51.6	0.0	104.4	

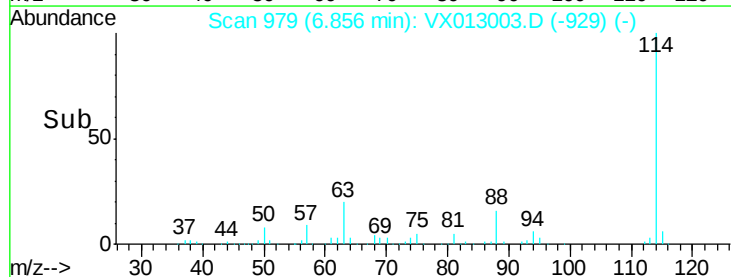
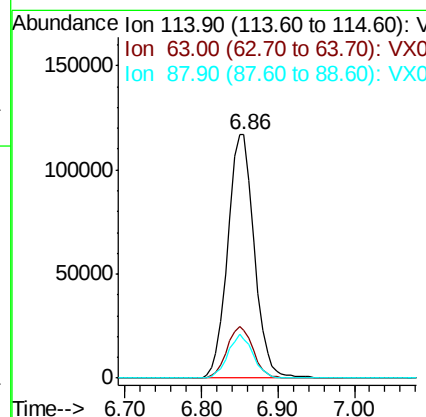
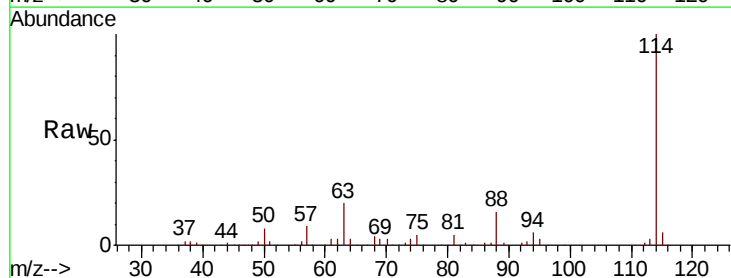
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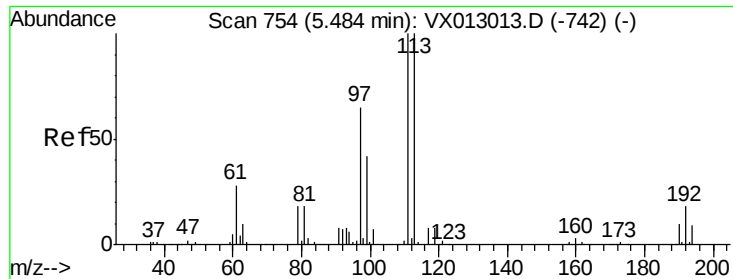
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	280778		
63	19.5	0.0	40.8	
88	16.0	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.995 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

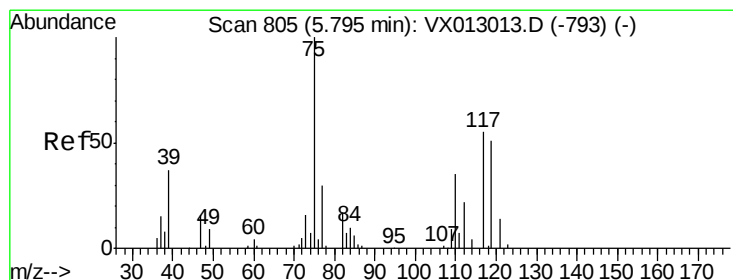
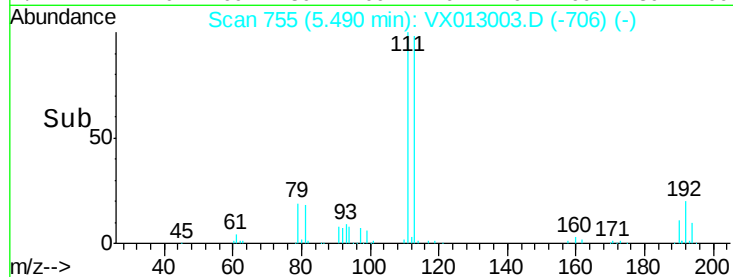
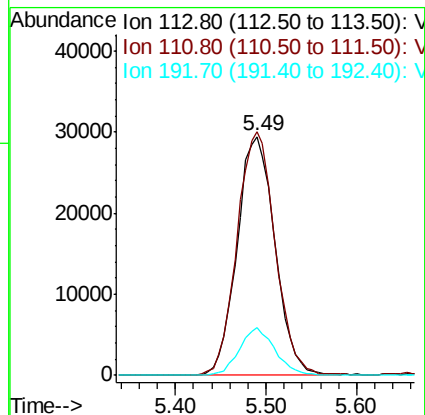
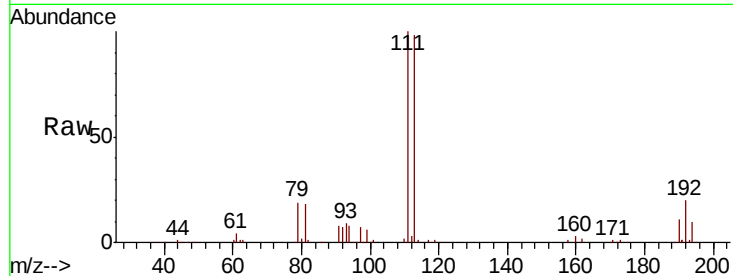
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	113	Resp:	85403
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.2	124.8
192	18.8	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 2.564 ug/l

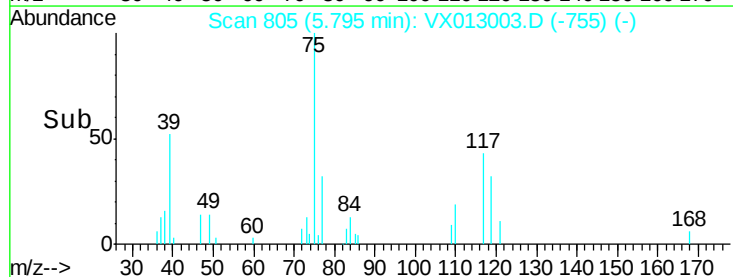
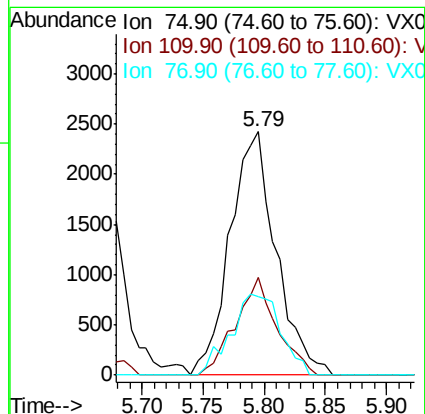
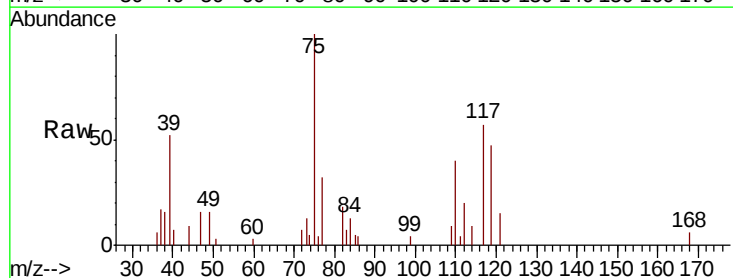
RT: 5.79 min Scan# 805

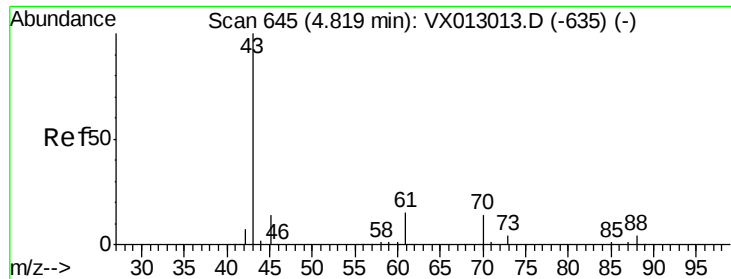
Delta R.T. 0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	75	Resp:	6329
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.6	52.9
77	35.8	24.4	36.6





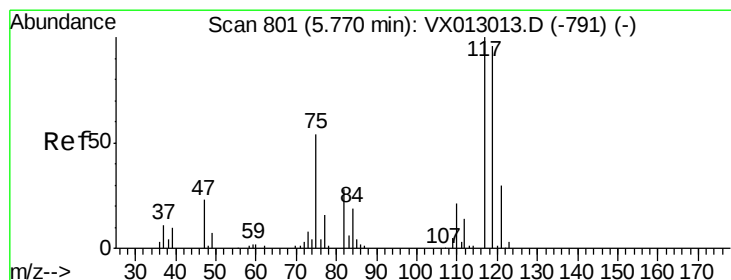
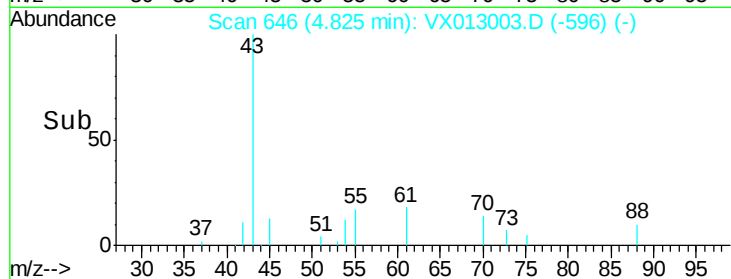
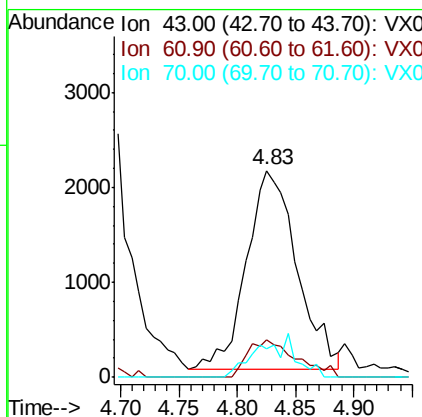
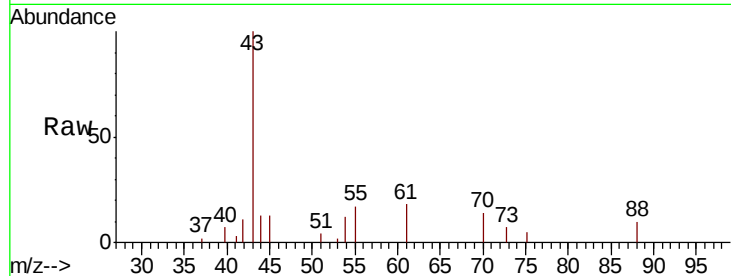
#37
Ethyl Acetate
Concen: 2.306 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	11.4	17.0#
70	10.5	9.8	14.6

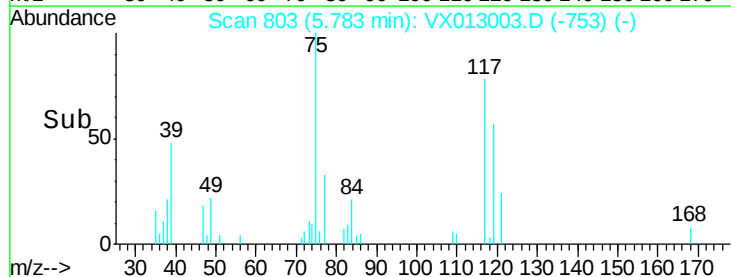
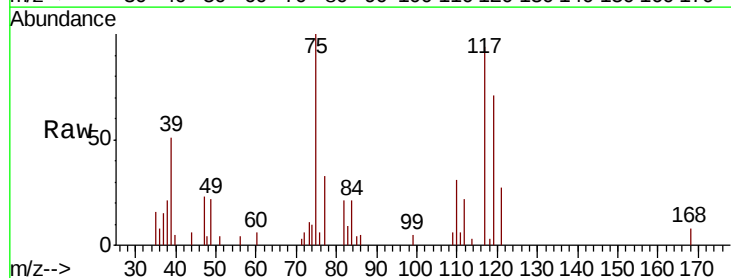
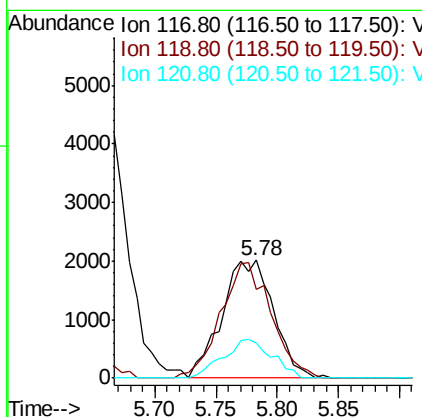
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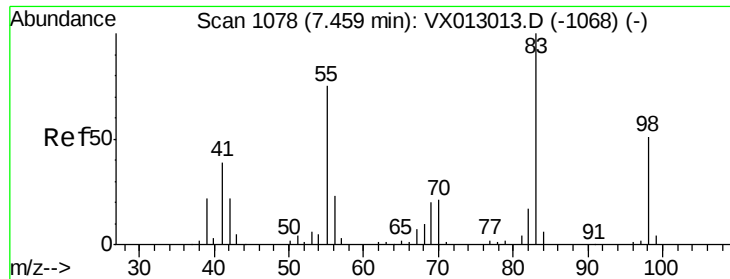
MMDadoda
10/14/2019 2:47:57 PM



#38
Carbon Tetrachloride
Concen: 2.453 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	75.4	74.5	111.7
121	29.3	24.2	36.4





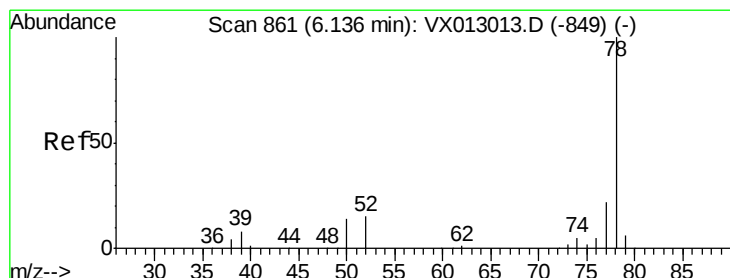
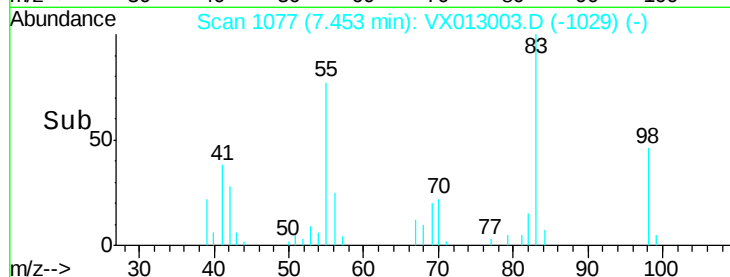
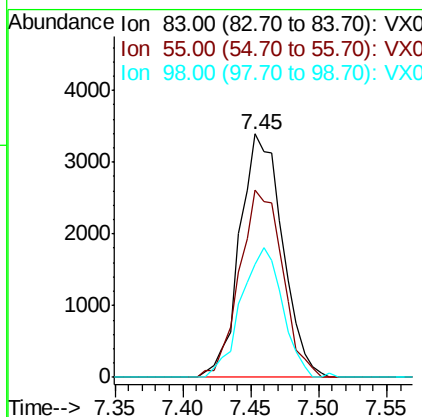
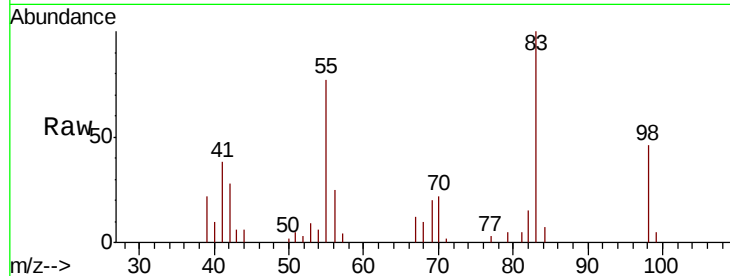
#39
Methvlcvclohexane
Concen: 2.491 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	60.2	90.4
98	46.2	38.5	57.7

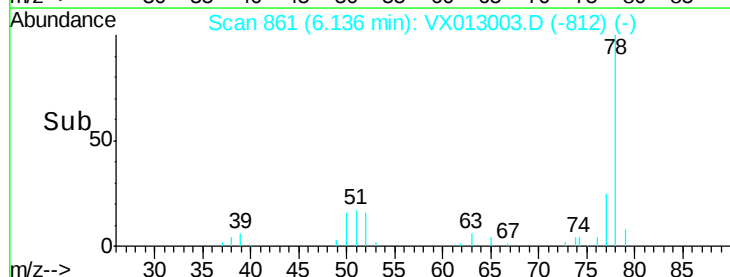
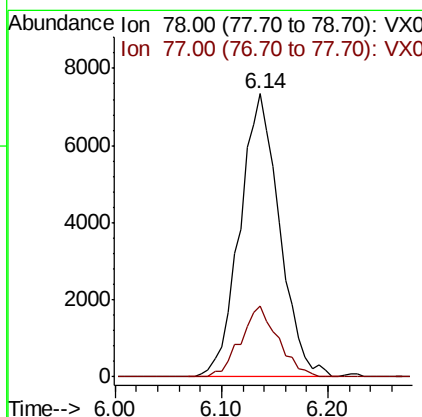
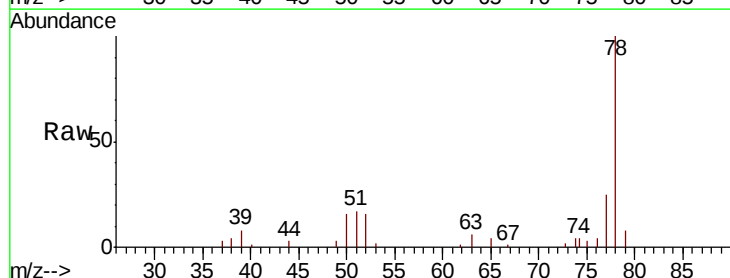
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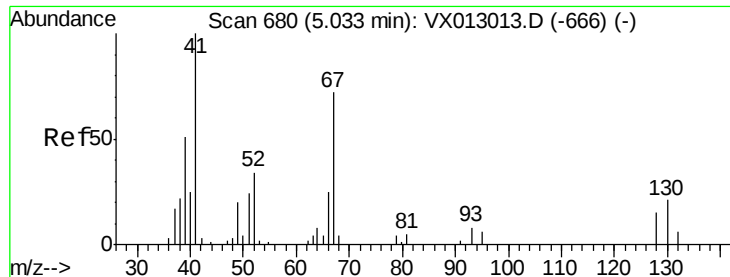
MMDadoda
10/14/2019 2:47:57 PM



#40
Benzene
Concen: 2.636 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.4





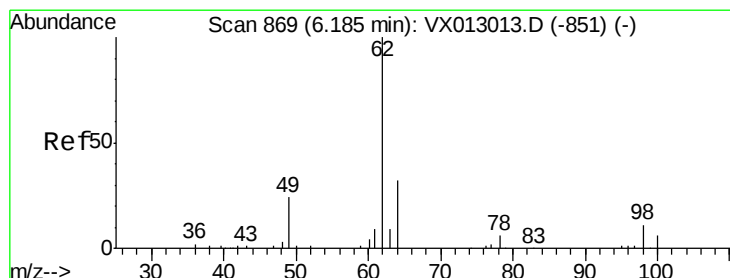
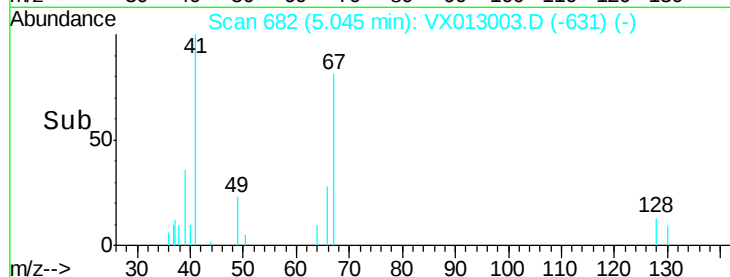
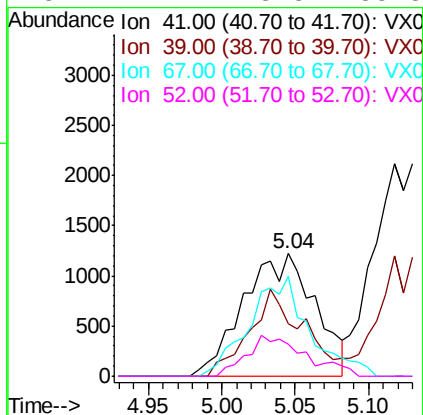
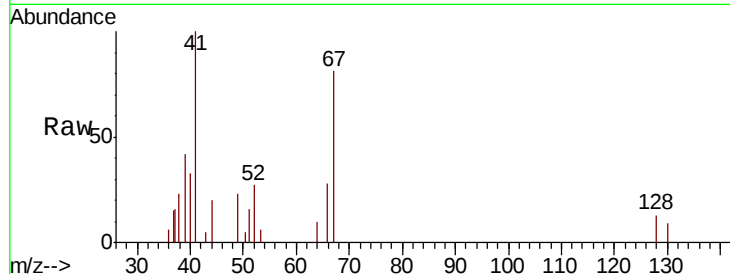
#41
Methacrylonitrile
Concen: 2.731 ug/l m
RT: 5.04 min Scan# 682
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	41	Resp:	4143
Ion	Ratio	Lower	Upper
41	100		
39	53.6	44.0	66.0
67	68.2	58.5	87.7
52	27.4	23.8	35.8

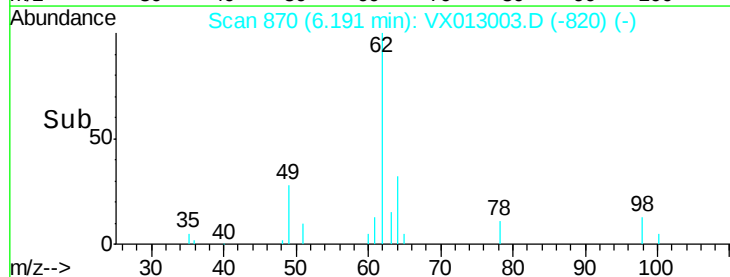
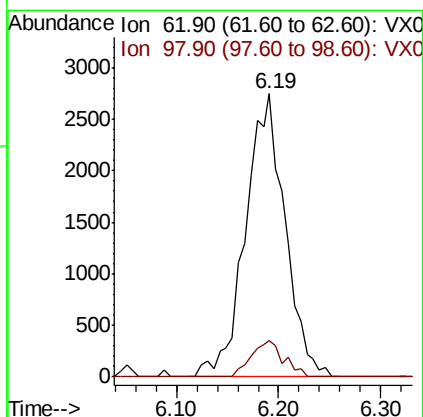
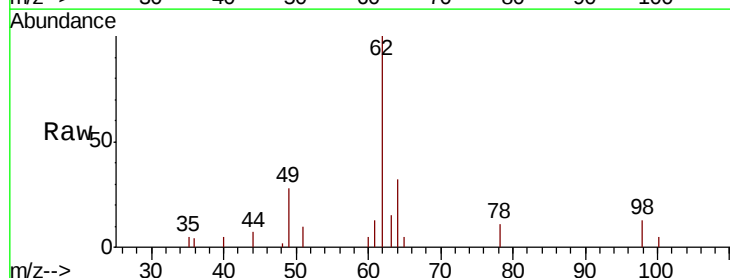
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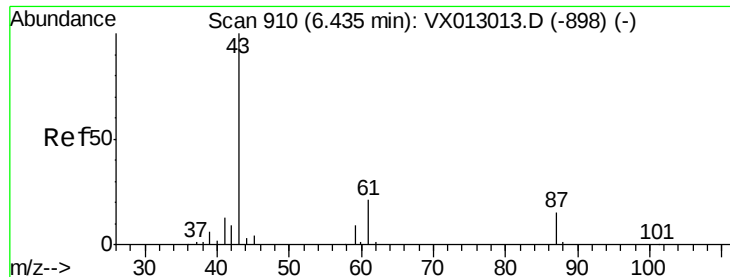
MMDadoda
10/14/2019 2:47:57 PM



#42
1,2-Dichloroethane
Concen: 2.820 ug/l
RT: 6.19 min Scan# 870
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	62	Resp:	7377
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





#43

Isopropyl Acetate

Concen: 2.460 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

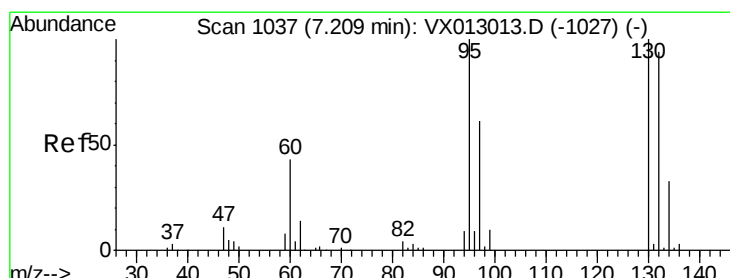
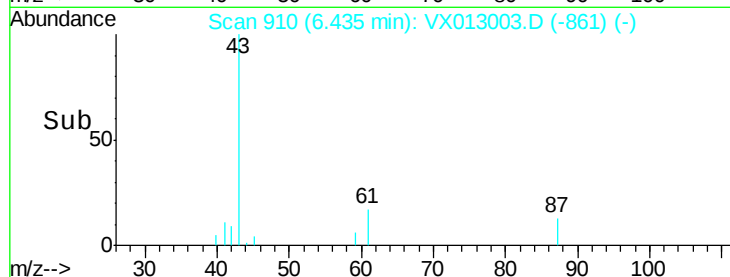
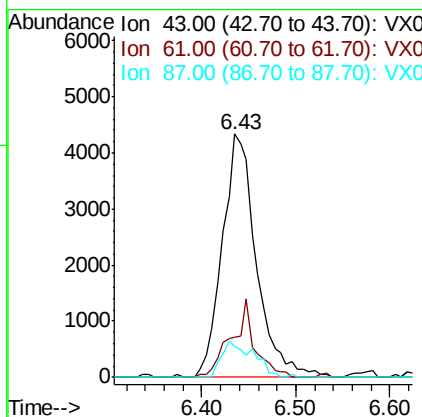
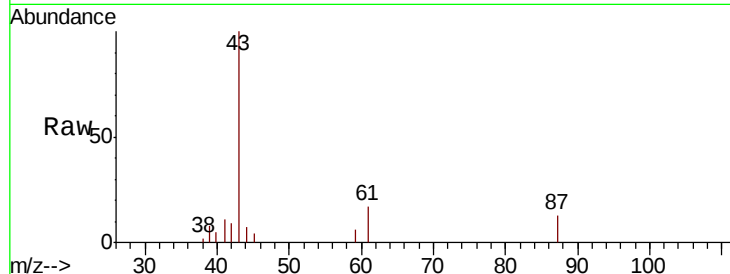
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	43	Resp:	10901
Ion	Ratio	Lower	Upper
43	100		
61	22.4	16.6	24.8
87	13.7	11.0	16.6

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#44

Trichloroethene

Concen: 2.677 ug/l

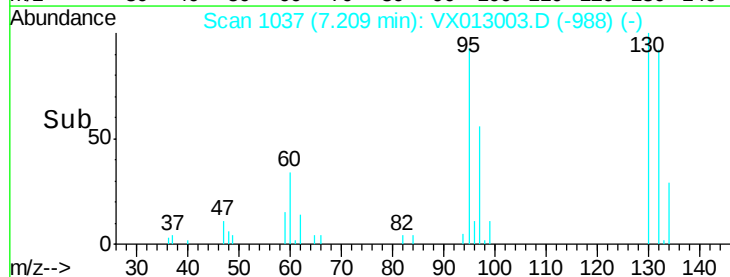
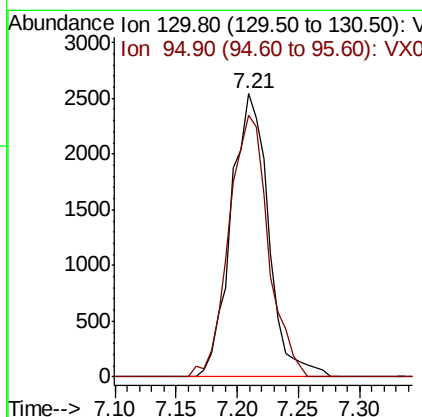
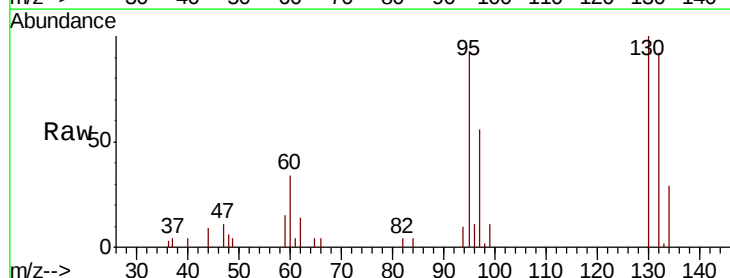
RT: 7.21 min Scan# 1037

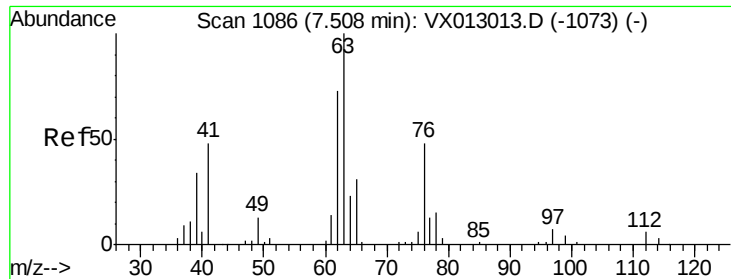
Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	130	Resp:	5412
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	189.2





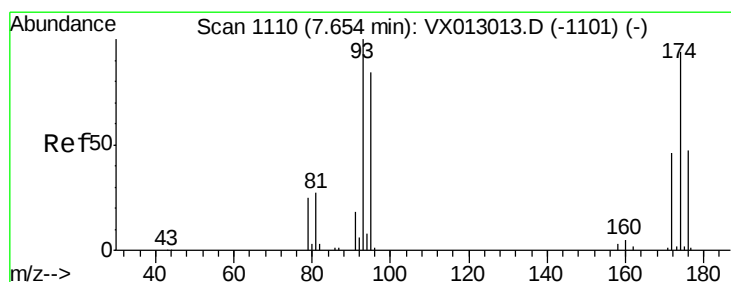
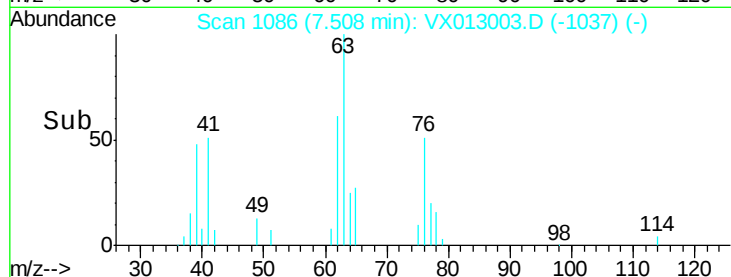
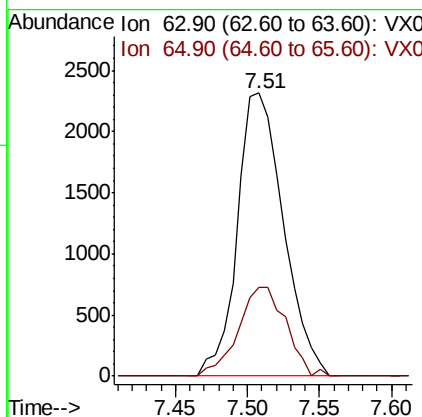
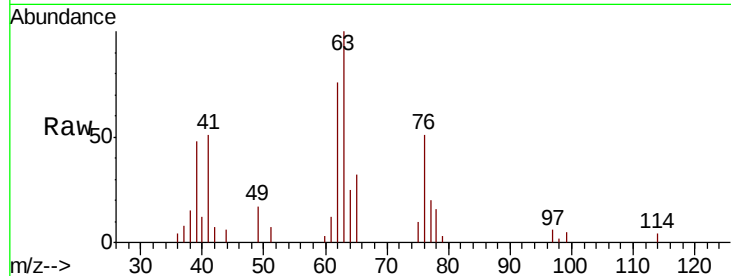
#45
 1,2-Dichloropropane
 Concen: 2.768 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion: 63 Resp: 5143
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0

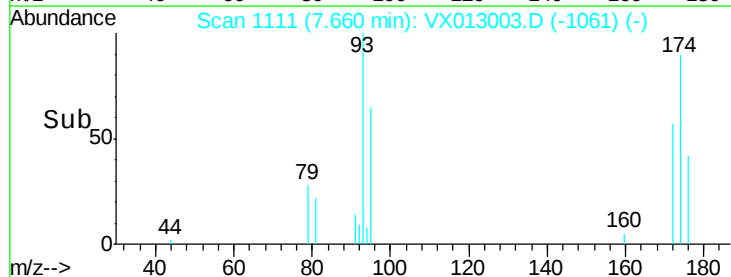
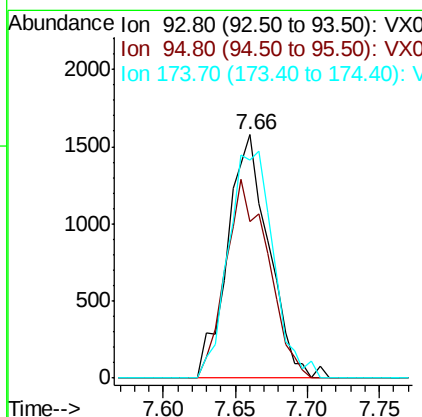
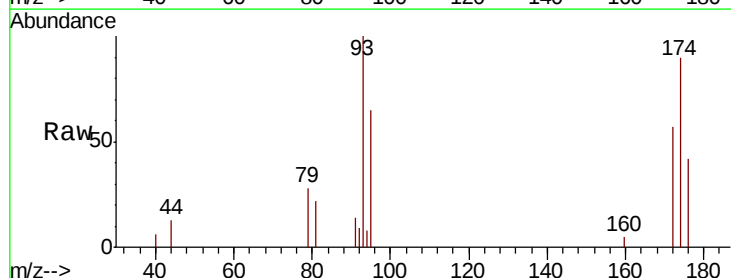
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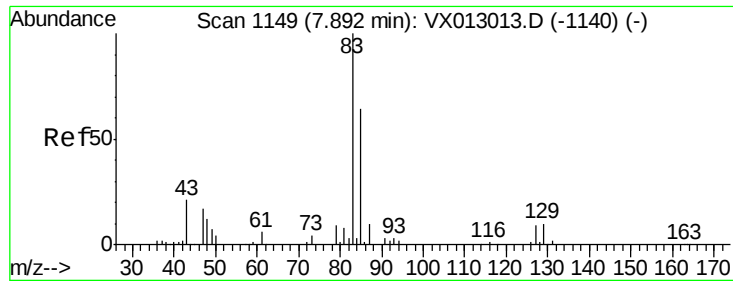
MMDadoda
 10/14/2019 2:47:57 PM



#46
 Dibromomethane
 Concen: 2.543 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion: 93 Resp: 3149
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.3 99.5
 174 101.1 77.8 116.6





#47

Bromodichloromethane

Concen: 2.395 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

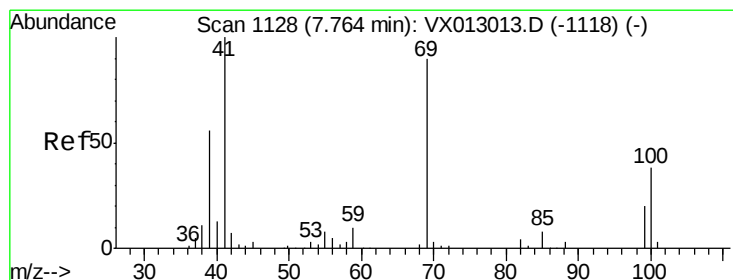
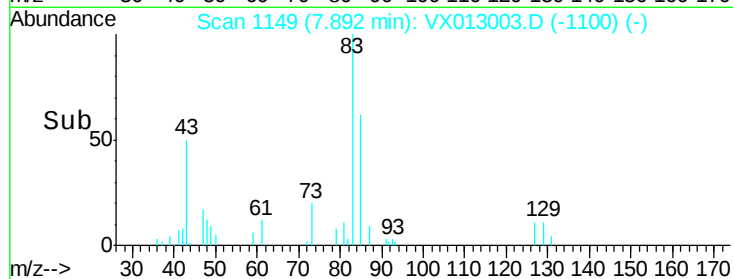
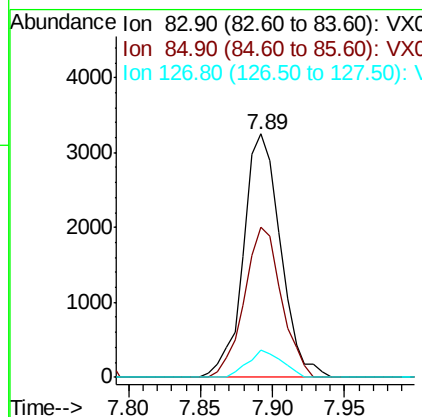
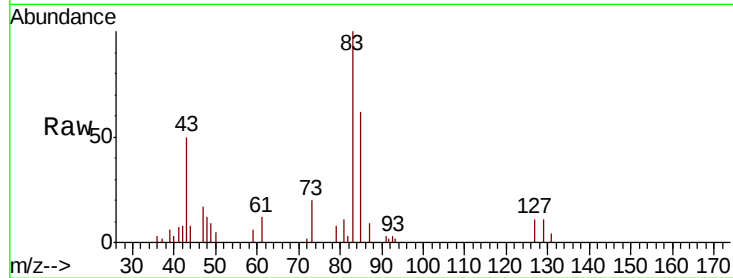
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	83	Resp:	5787
Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.4	78.6
127	11.3	6.6	10.0#

Manual Integrations
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MMDadoda
10/14/2019 2:47:57 PM



#48

Methyl methacrylate

Concen: 2.442 ug/l

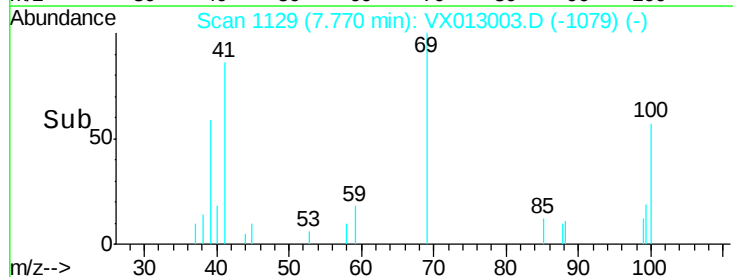
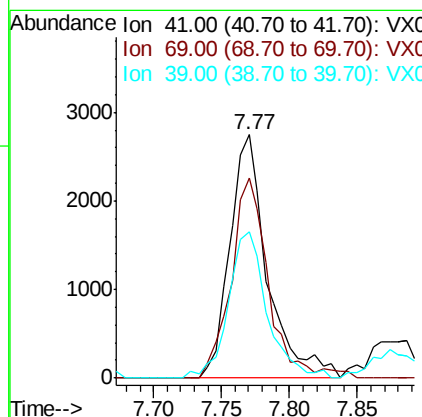
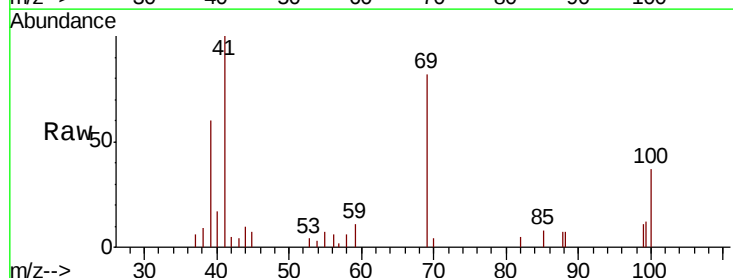
RT: 7.77 min Scan# 1129

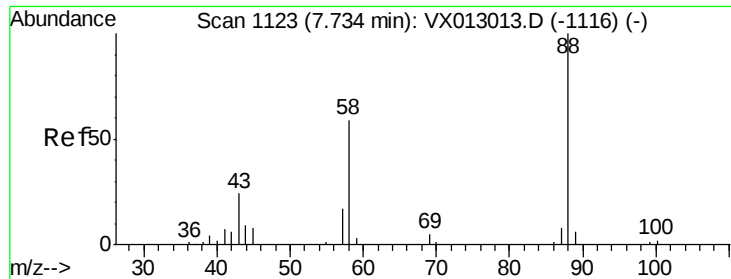
Delta R.T. 0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	41	Resp:	5272
Ion	Ratio	Lower	Upper
41	100		
69	79.9	68.7	103.1
39	62.0	44.3	66.5





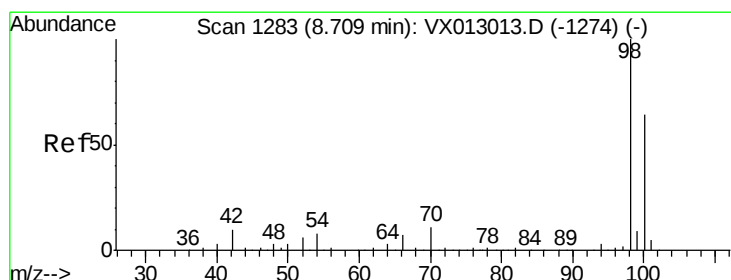
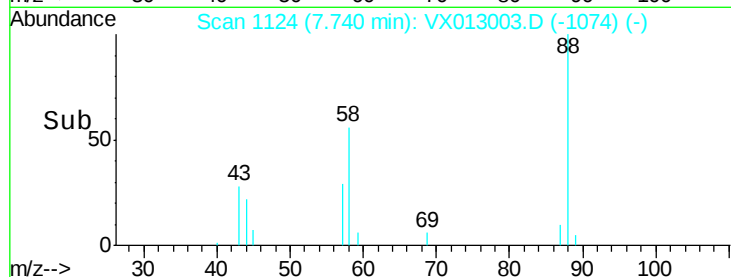
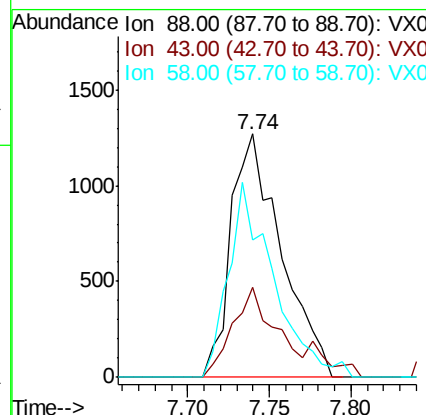
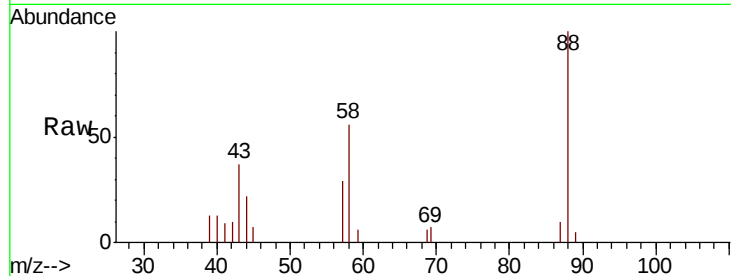
#49
1,4-Dioxane
Concen: 52.032 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.6
58	72.1	55.4	83.2

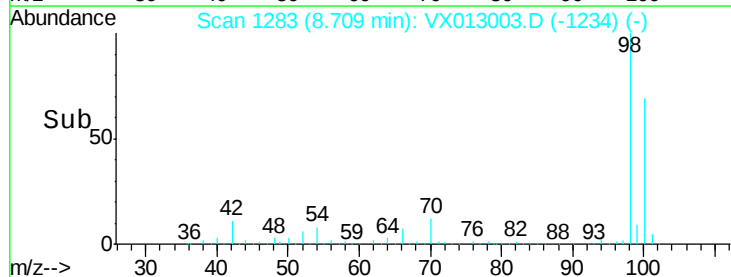
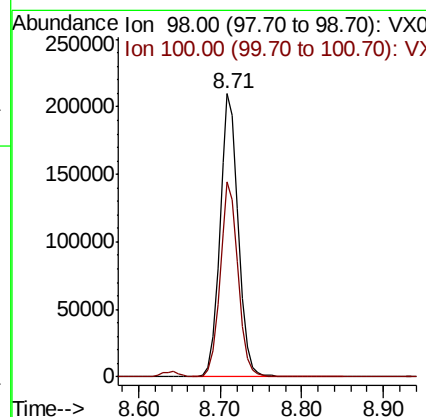
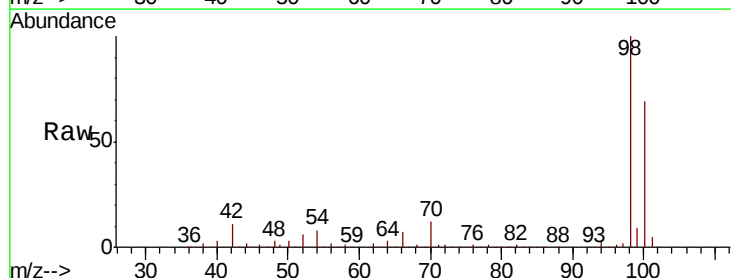
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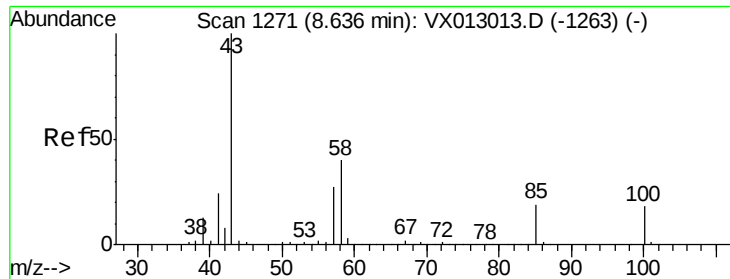
MMDadoda
10/14/2019 2:47:57 PM



#50
Toluene-d8
Concen: 52.648 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 12.953 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 35780

Ion Ratio Lower Upper

43 100

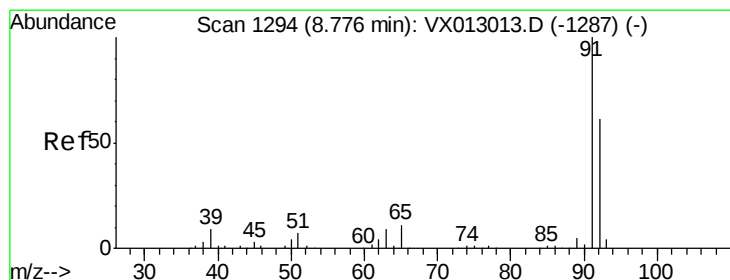
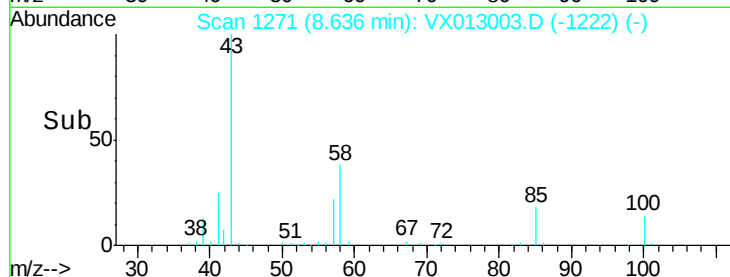
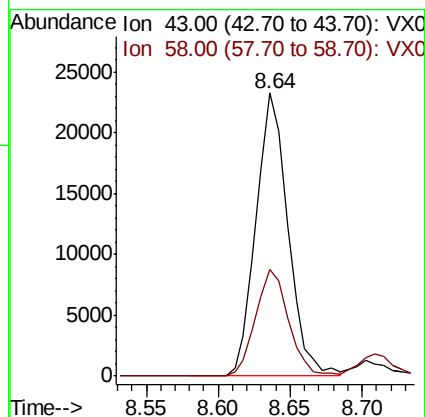
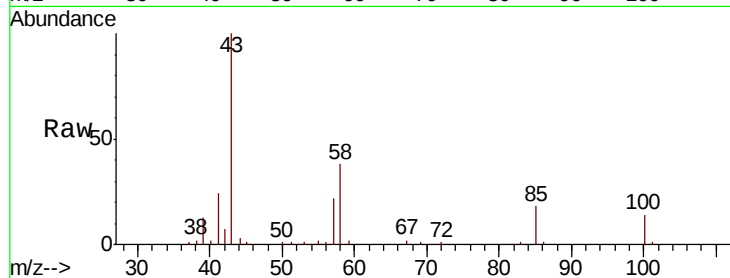
58 38.8 32.4 48.6

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10/14/2019 2:47:57 PM



#52

Toluene

Concen: 2.619 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013003.D

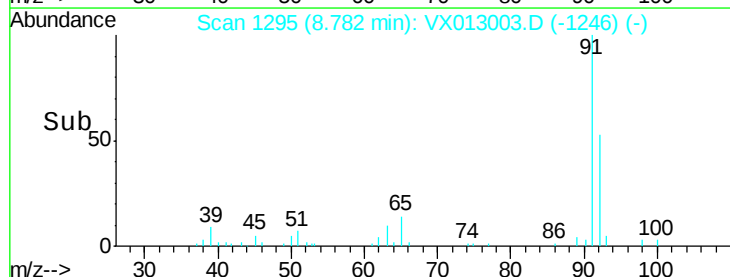
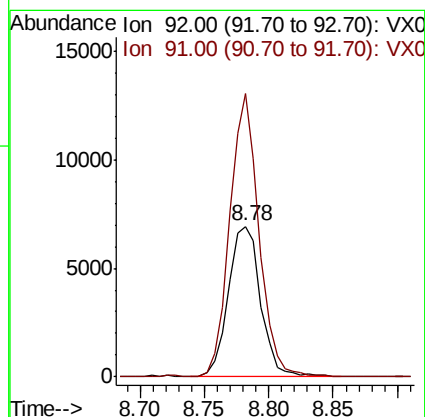
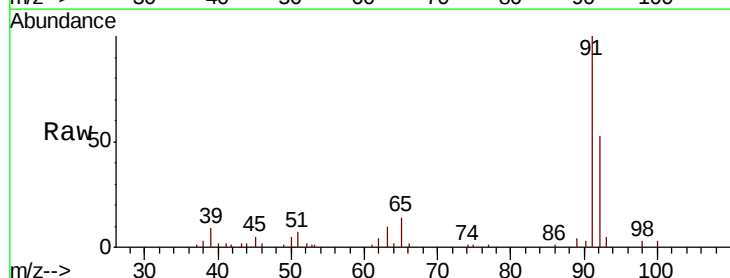
Acq: 10 Oct 2019 18:03

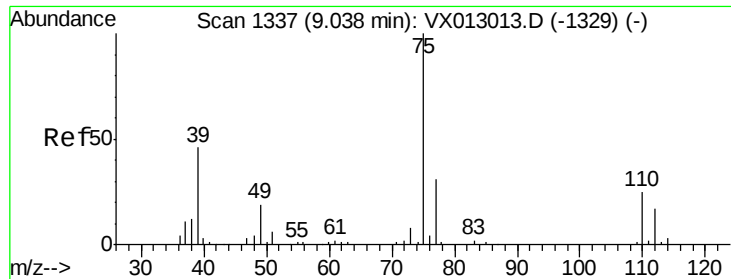
Tgt Ion: 92 Resp: 12216

Ion Ratio Lower Upper

92 100

91 168.7 135.9 203.9





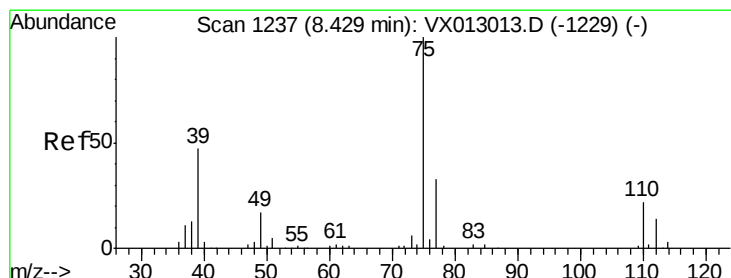
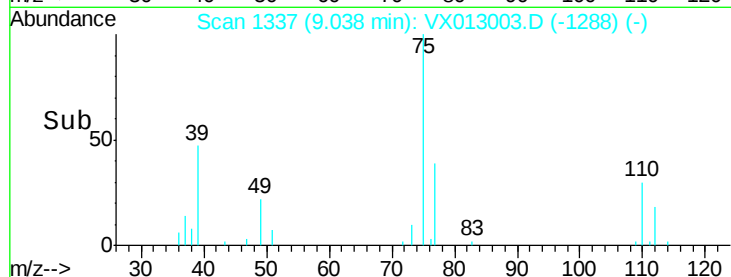
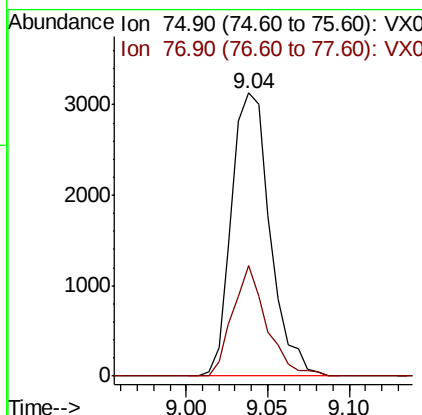
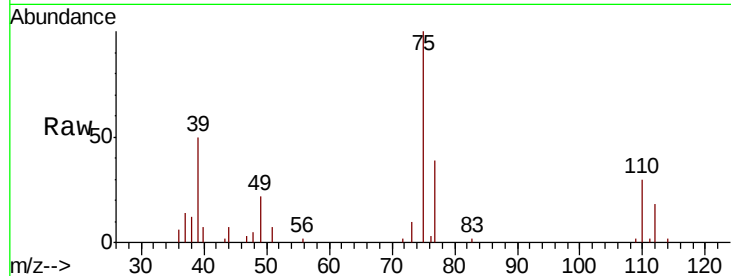
#53
t-1,3-Dichloropropene
Concen: 1.931 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion: 75 Resp: 5164
Ion Ratio Lower Upper
75 100
77 38.9 25.8 38.6#

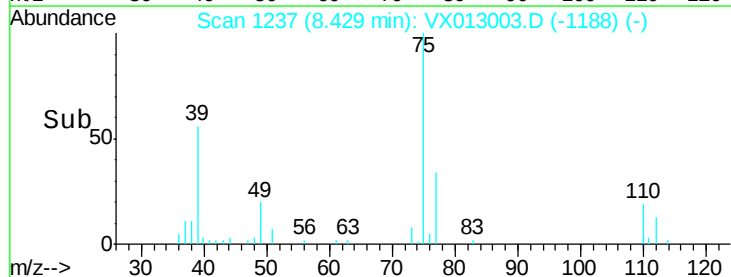
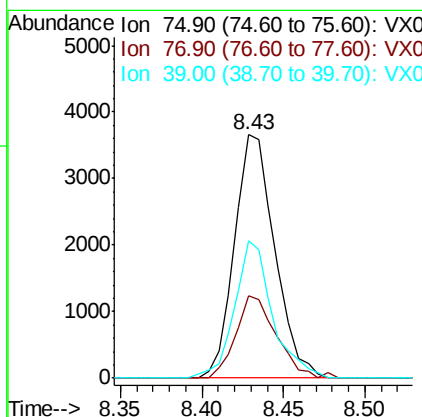
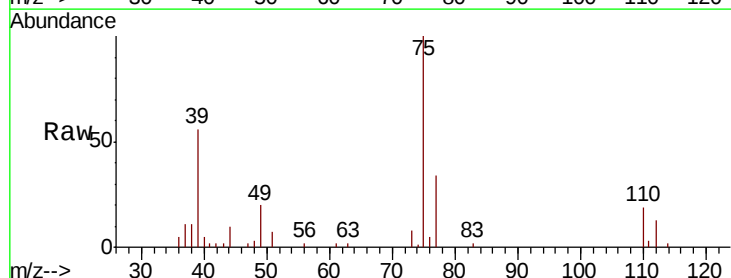
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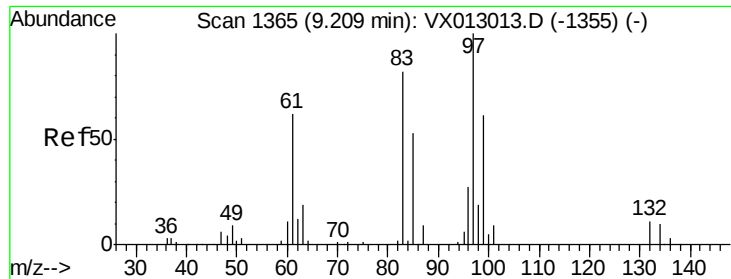
MMDadoda
10/14/2019 2:47:57 PM



#54
cis-1,3-Dichloropropene
Concen: 2.117 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 75 Resp: 6291
Ion Ratio Lower Upper
75 100
77 34.0 25.8 38.8
39 56.2 38.2 57.2





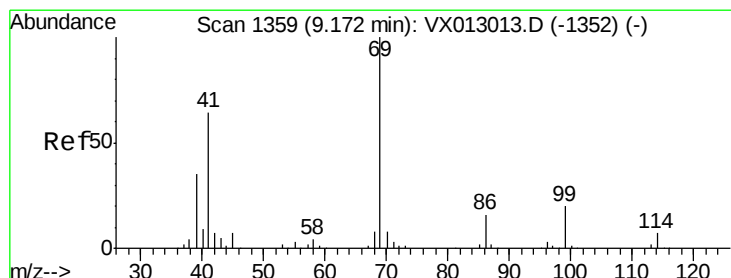
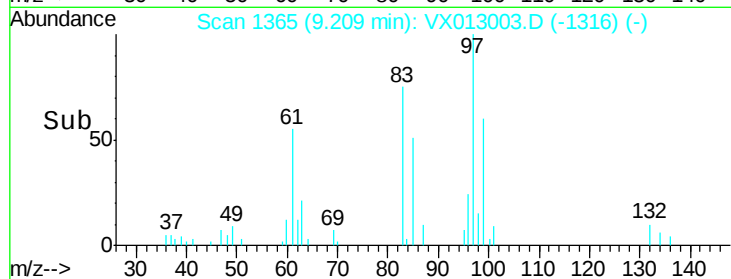
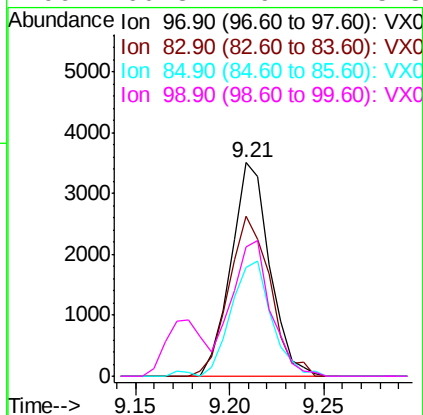
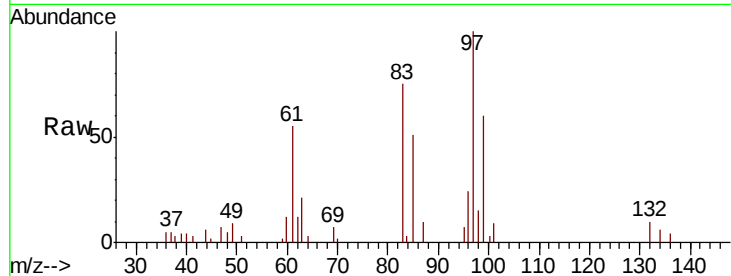
#55
 1,1,2-Trichloroethane
 Concen: 2.709 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion:	97	Resp:	5001
Ion	Ratio	Lower	Upper
97	100		
83	75.2	66.5	99.7
85	51.1	43.1	64.7
99	60.3	49.2	73.8

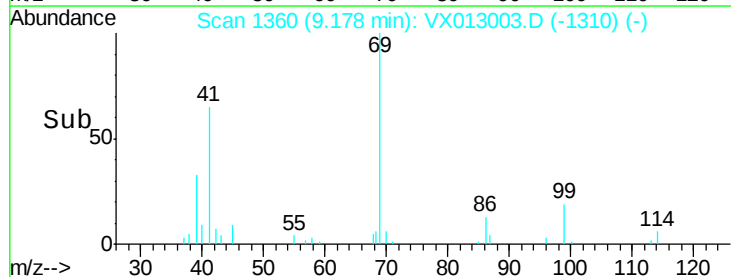
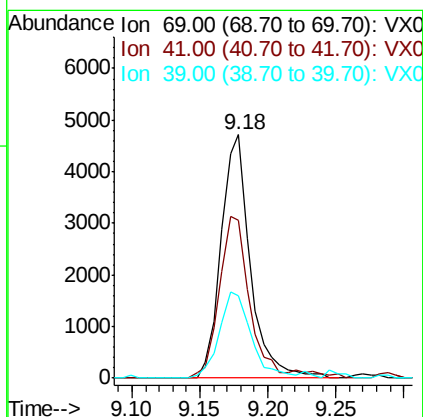
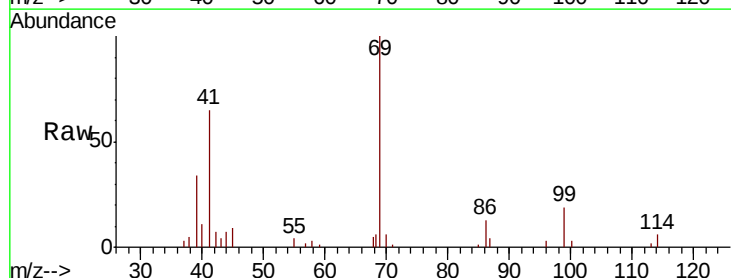
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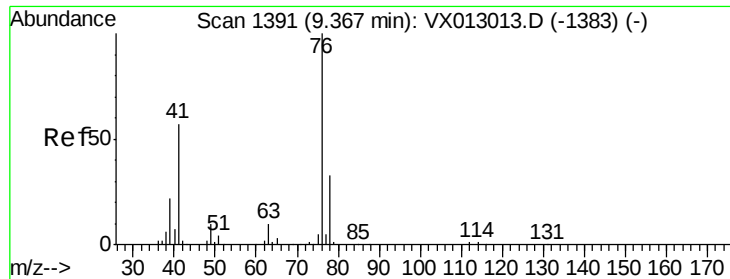
MMDadoda
 10/14/2019 2:47:57 PM



#56
 Ethyl methacrylate
 Concen: 2.349 ug/l
 RT: 9.18 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion:	69	Resp:	7023
Ion	Ratio	Lower	Upper
69	100		
41	68.2	52.1	78.1
39	39.7	27.8	41.8





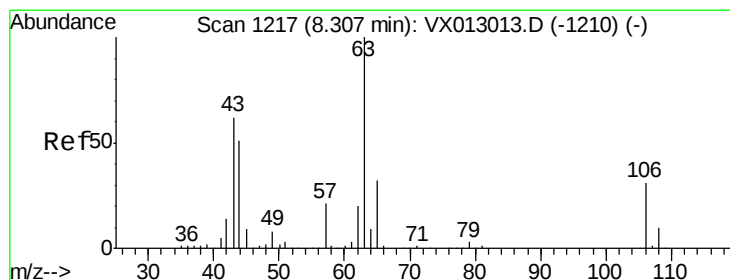
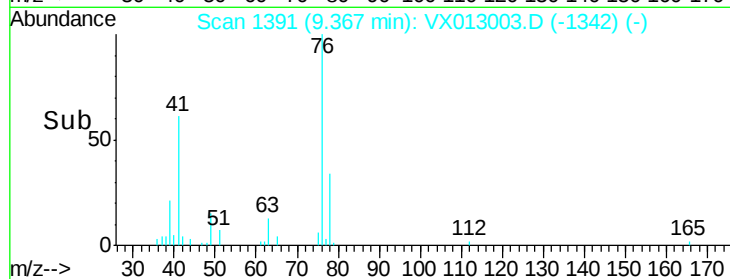
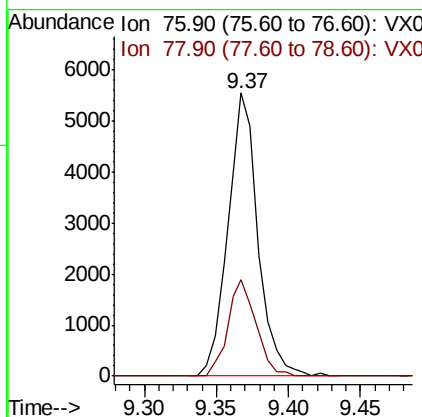
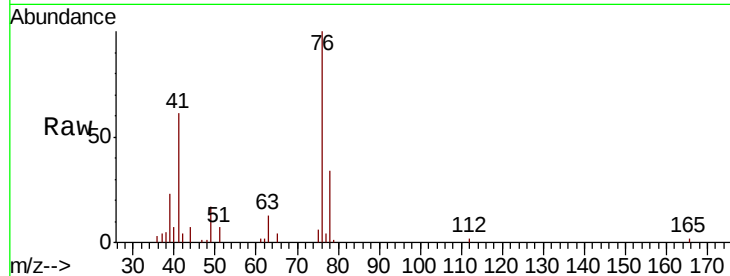
#57
 1,3-Dichloropropane
 Concen: 2.533 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion: 76 Resp: 8087
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

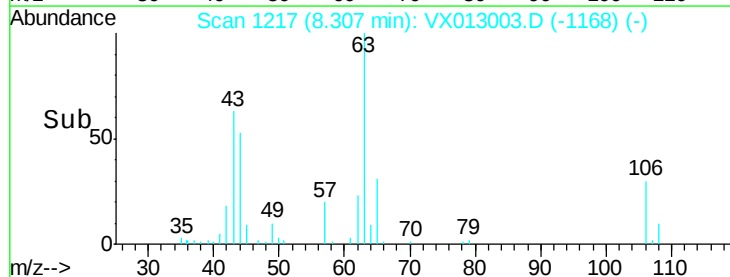
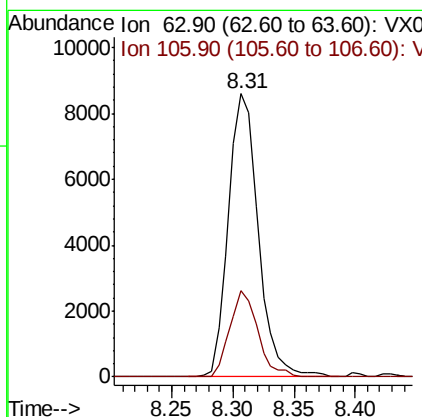
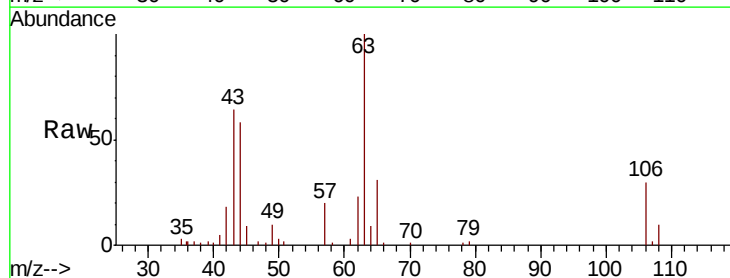
Manual Integrations
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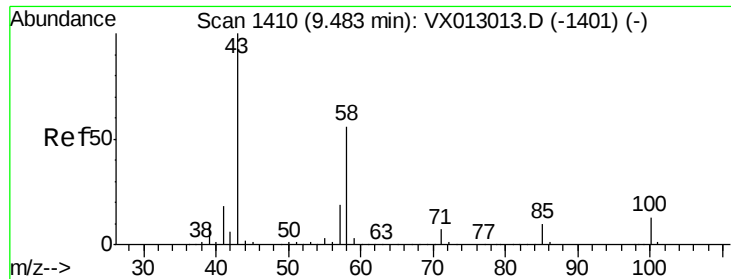
MMDadoda
 10/14/2019 2:47:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.690 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion: 63 Resp: 14497
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.8 35.8





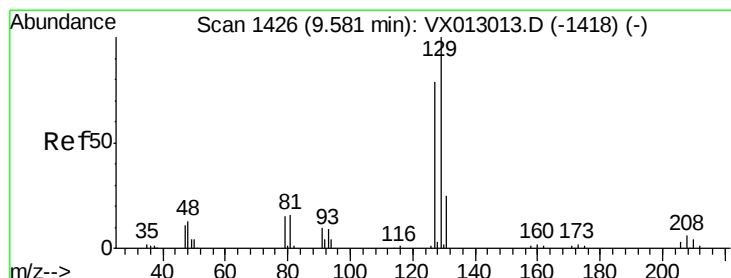
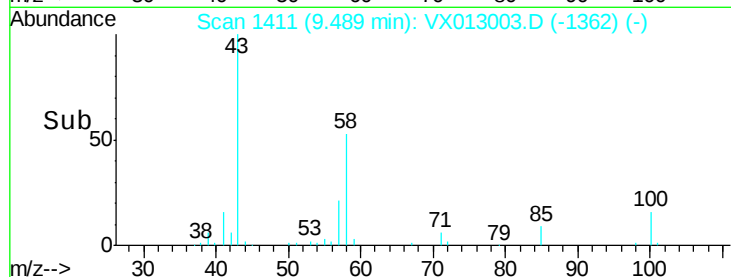
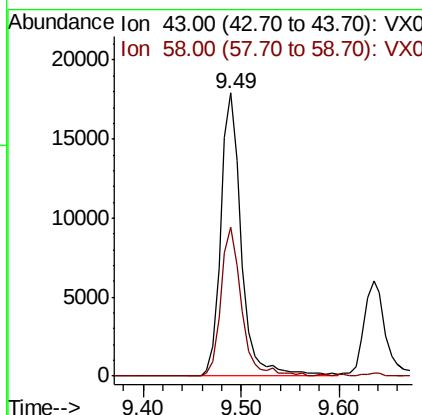
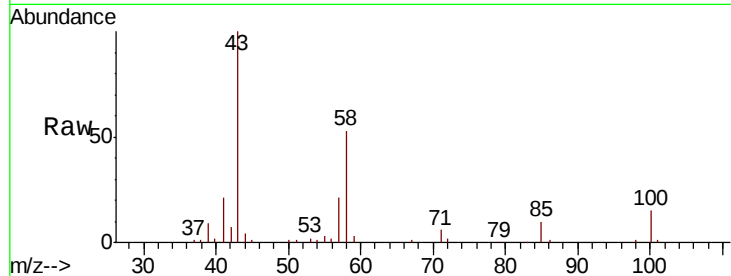
#59
2-Hexanone
Concen: 12.157 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion: 43 Resp: 26142
Ion Ratio Lower Upper
43 100
58 52.8 28.1 84.3

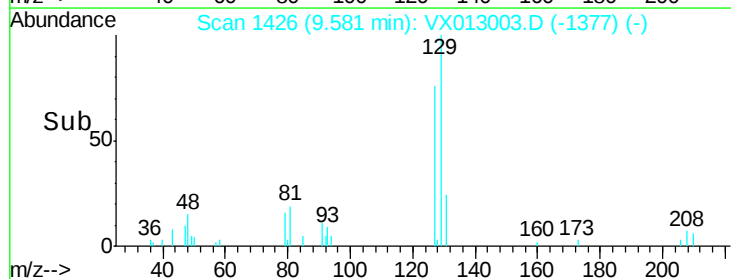
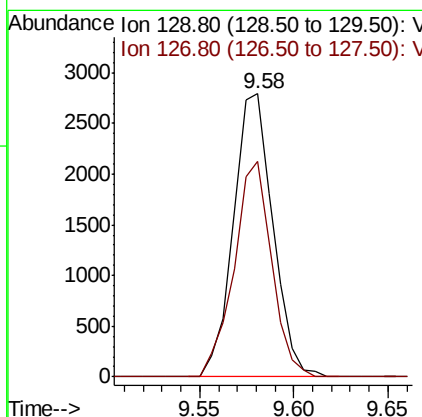
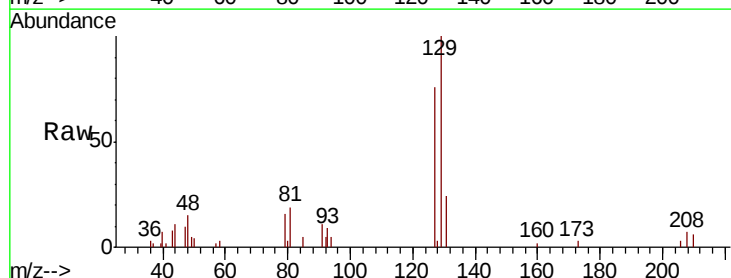
Manual Integrations
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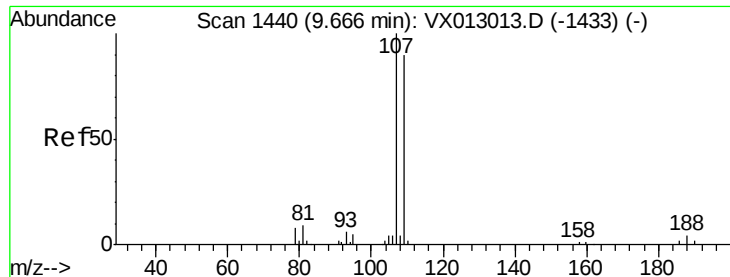
MMDadoda
10/14/2019 2:47:57 PM



#60
Dibromochloromethane
Concen: 2.246 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 129 Resp: 4062
Ion Ratio Lower Upper
129 100
127 72.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 2.559 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 107 Resp: 4970

Ion Ratio Lower Upper

107 100

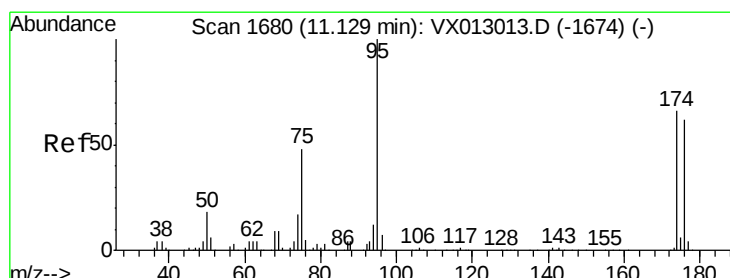
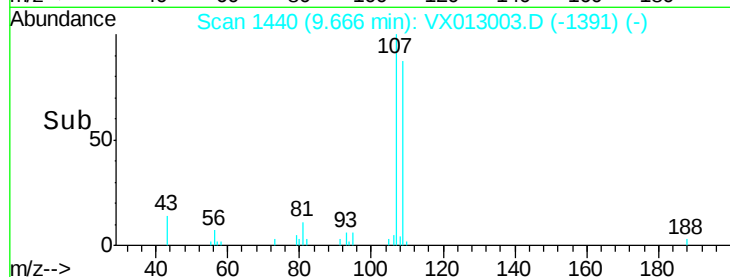
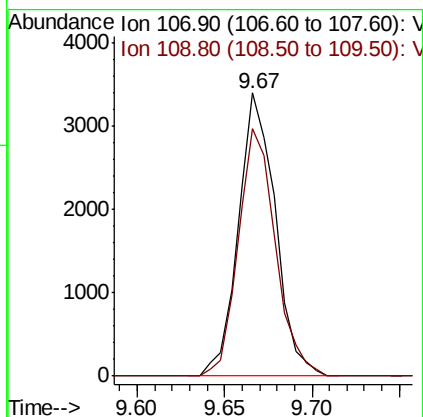
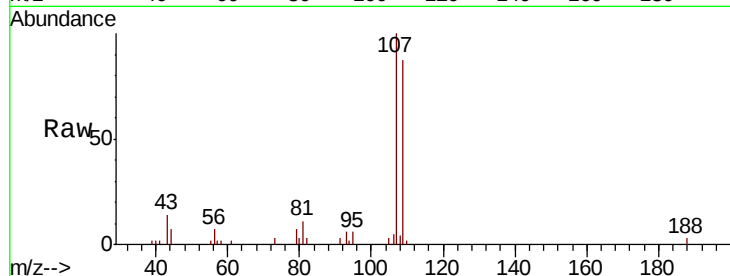
109 88.1 75.8 113.6

Manual Integrations

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10/14/2019 2:47:57 PM



#62

4-Bromofluorobenzene

Concen: 47.498 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

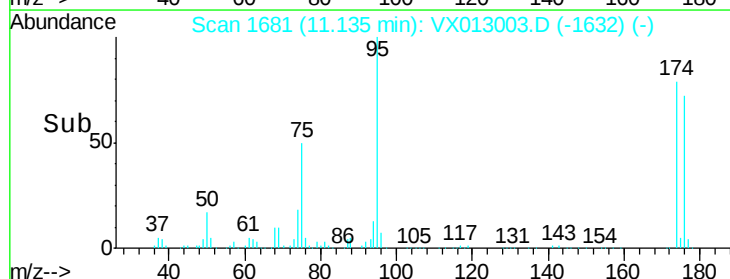
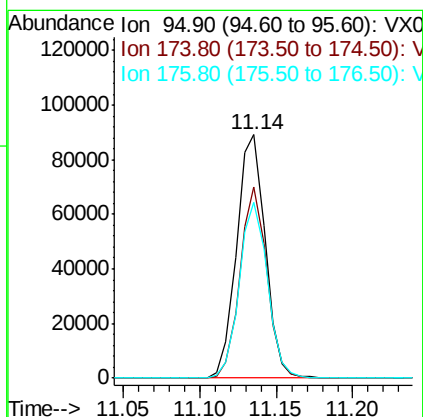
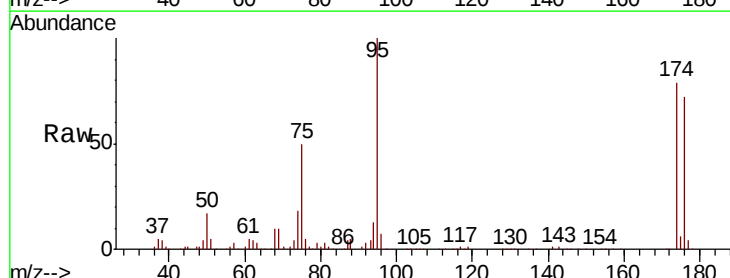
Tgt Ion: 95 Resp: 116001

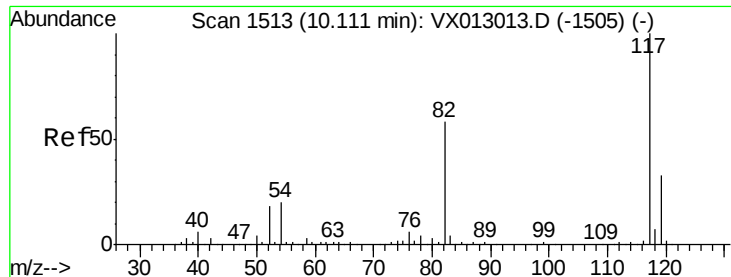
Ion Ratio Lower Upper

95 100

174 73.7 0.0 143.4

176 71.0 0.0 136.0





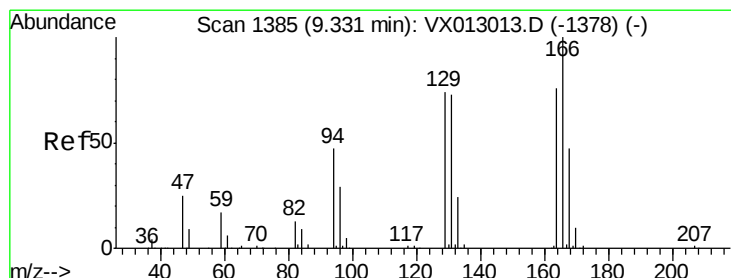
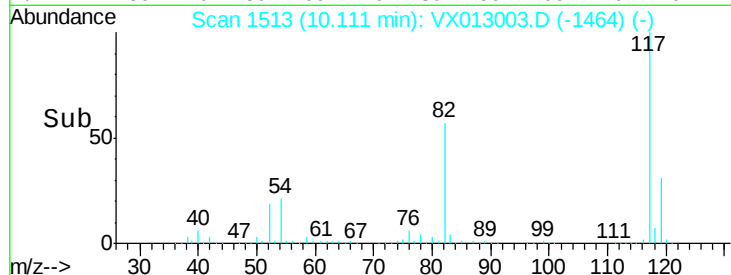
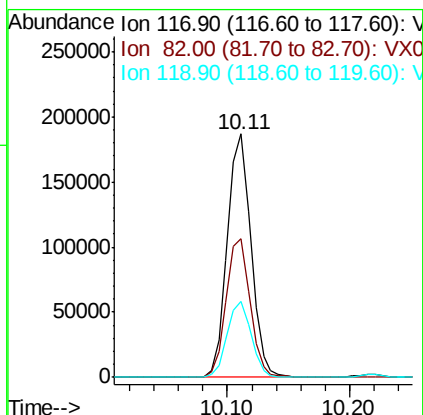
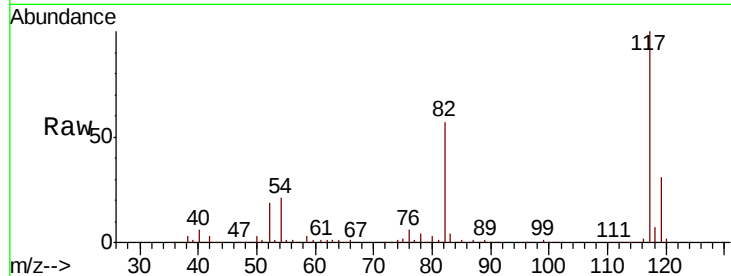
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.1	66.1
119	31.2	25.8	38.8

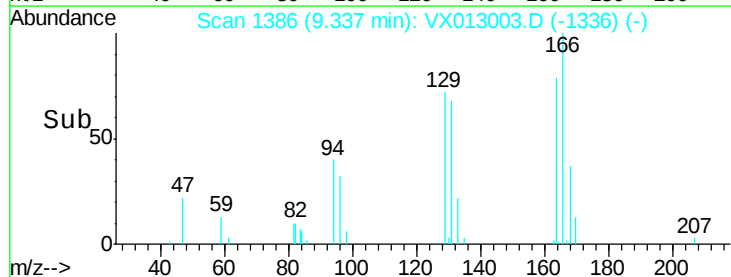
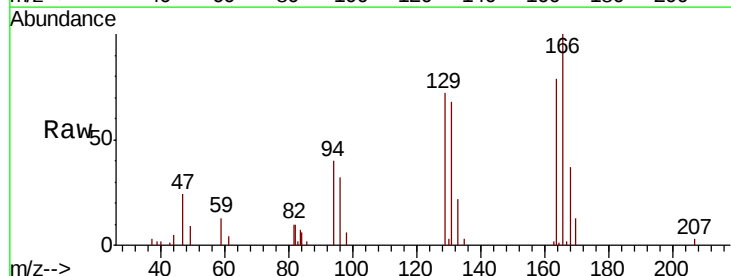
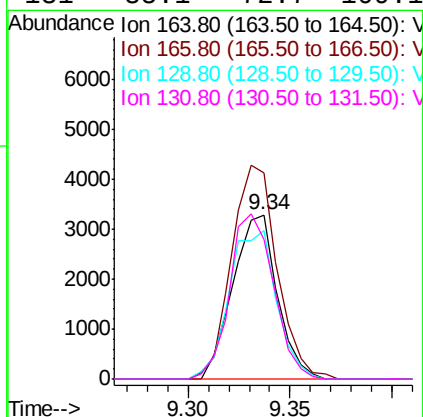
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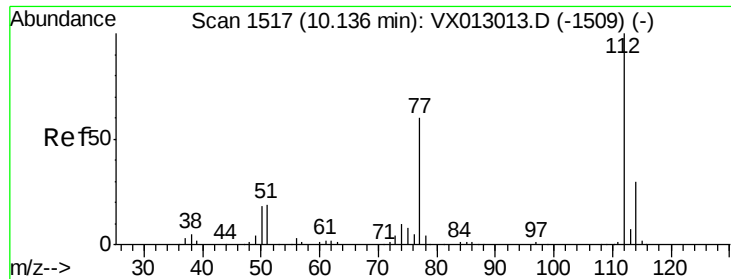
MMDadoda
10/14/2019 2:47:57 PM



#64
Tetrachloroethene
Concen: 2.856 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	96.9	145.3
129	90.6	77.9	116.9
131	85.1	72.7	109.1





#65

Chlorobenzene

Concen: 2.562 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:112 Resp: 12760

Ion Ratio Lower Upper

112 100

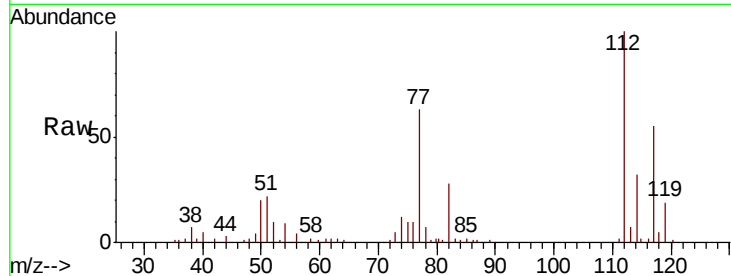
114 32.0 25.7 38.5

Manual Integrations

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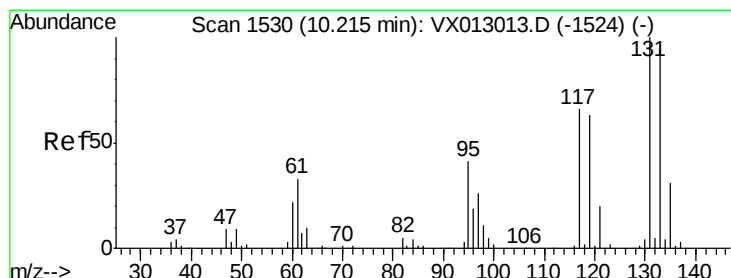
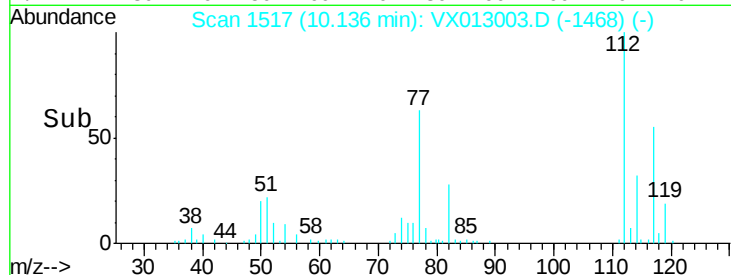
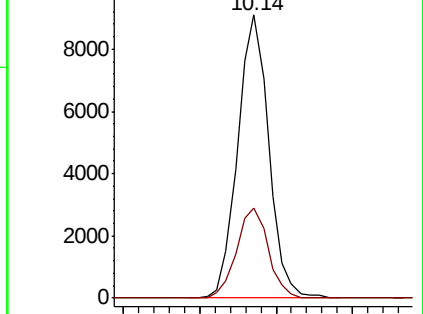
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.474 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

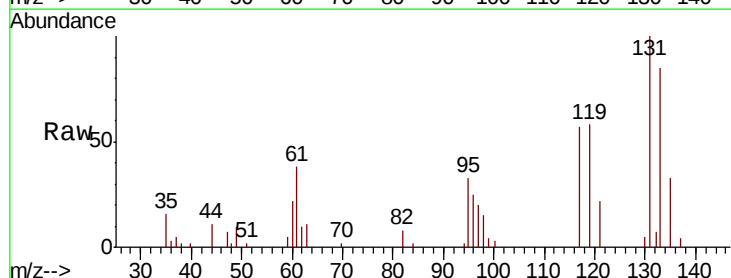
Tgt Ion:131 Resp: 4273

Ion Ratio Lower Upper

131 100

133 89.3 47.2 141.6

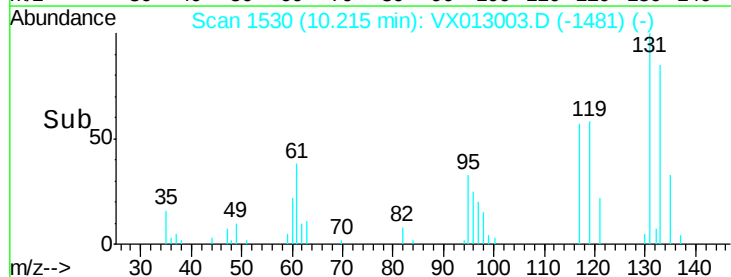
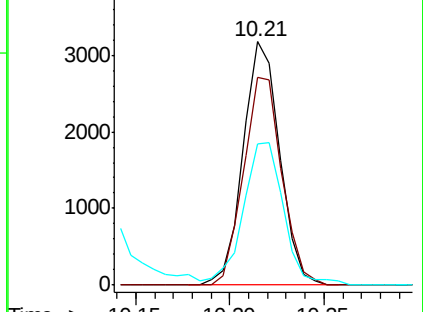
119 64.9 32.6 98.0

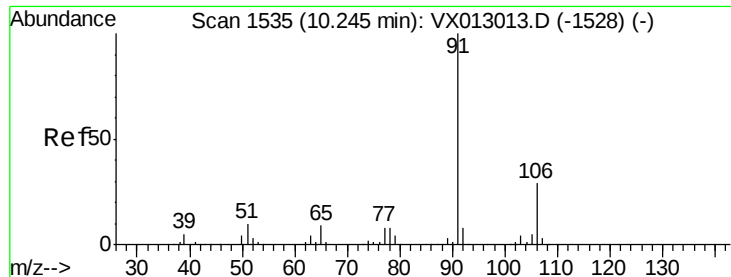


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





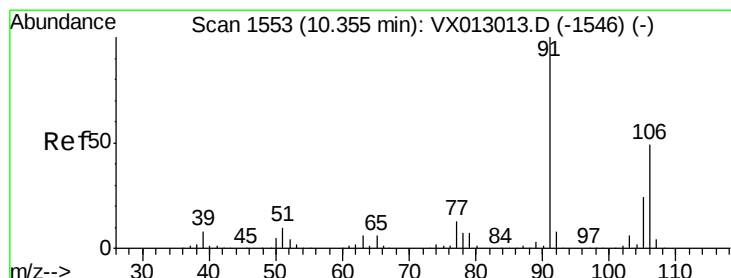
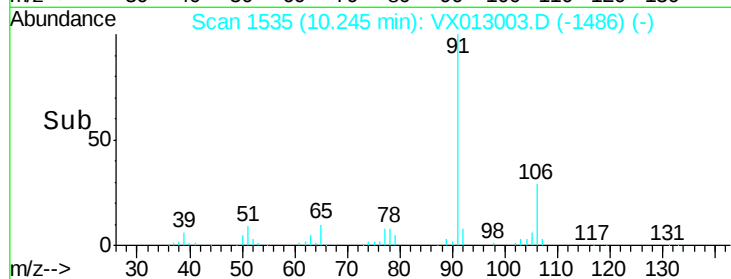
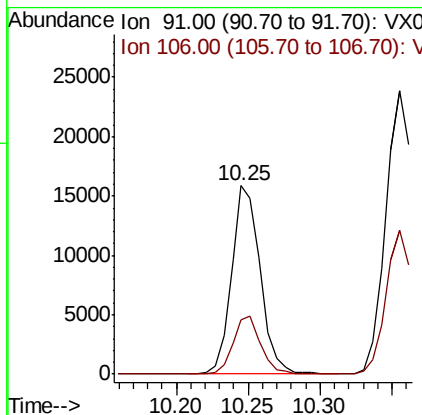
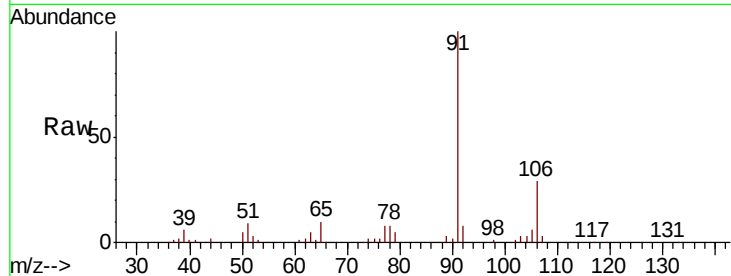
#67
Ethyl Benzene
Concen: 2.497 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion: 91 Resp: 22090
Ion Ratio Lower Upper
91 100
106 28.7 23.9 35.9

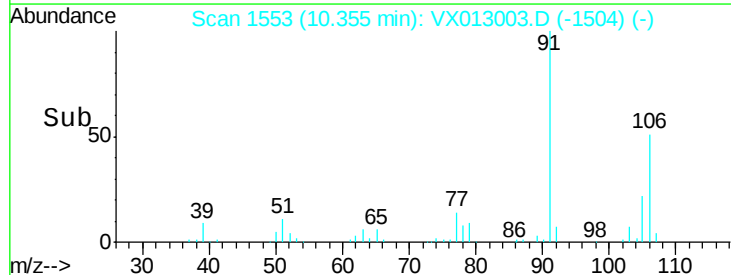
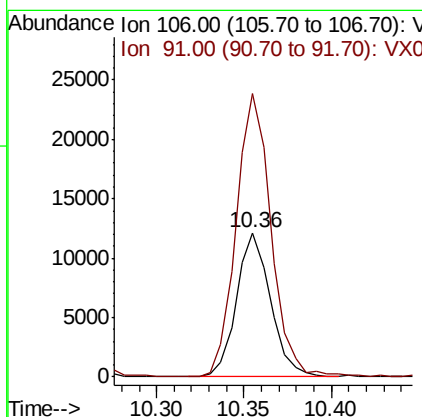
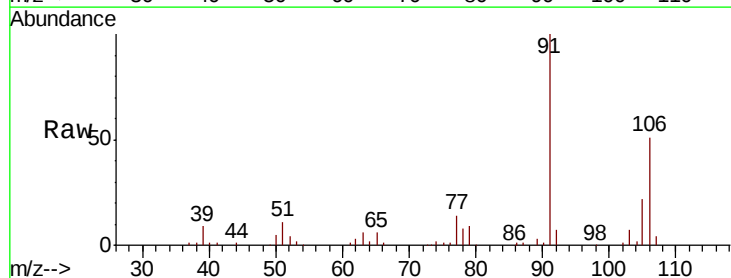
Manual Integrations
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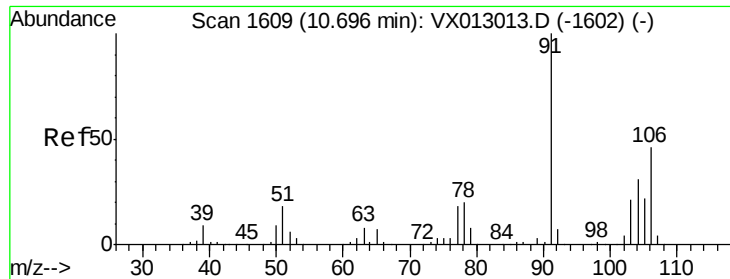
MMDadoda
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#68
m/p-Xylenes
Concen: 4.971 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion: 106 Resp: 16432
Ion Ratio Lower Upper
106 100
91 202.3 165.3 247.9





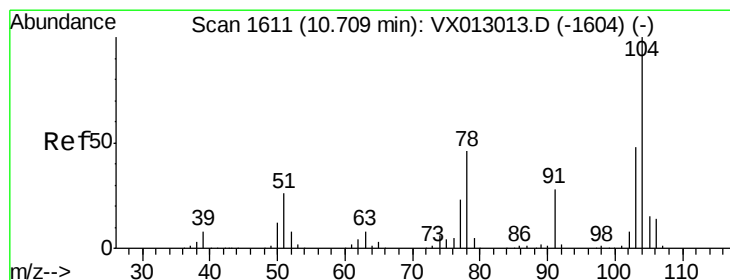
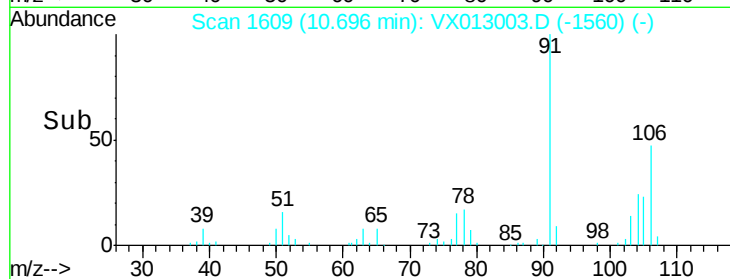
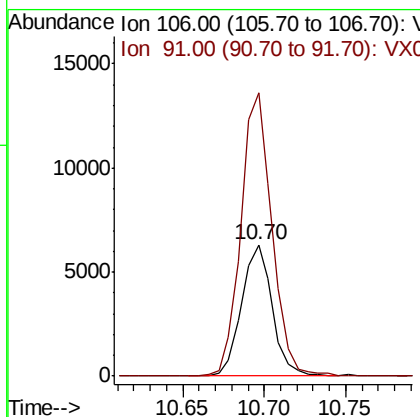
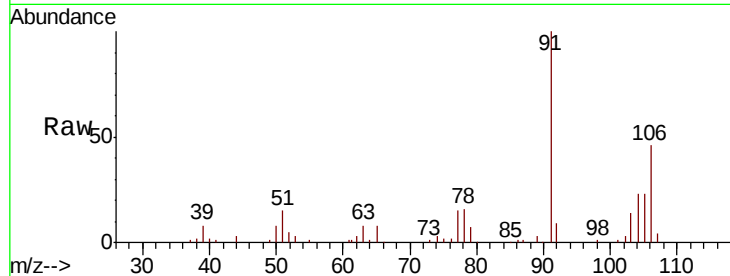
#69
o-Xylene
Concen: 2.557 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion:106 Resp: 8243
Ion Ratio Lower Upper
106 100
91 218.6 109.1 327.3

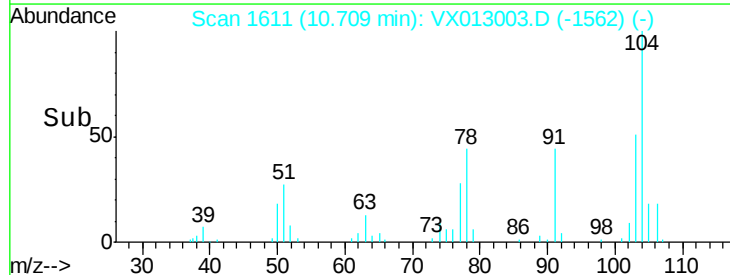
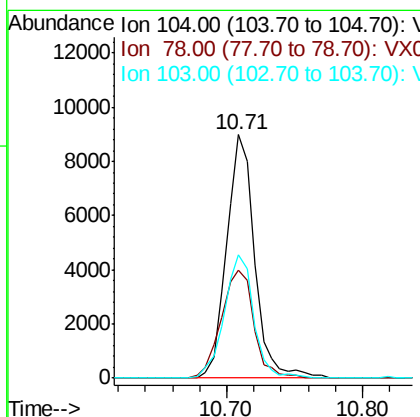
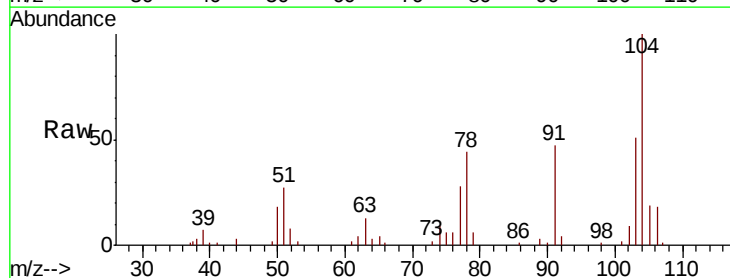
Manual Integrations
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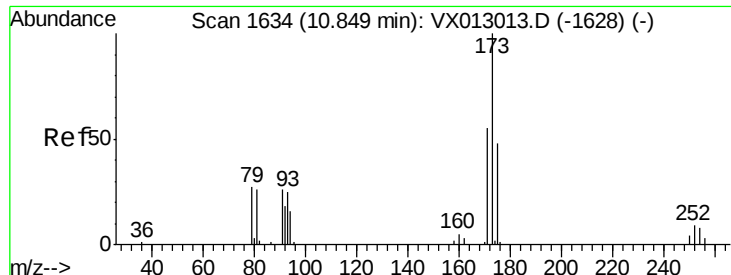
MMDadoda
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#70
Styrene
Concen: 2.346 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion:104 Resp: 12855
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 53.2 43.0 64.4





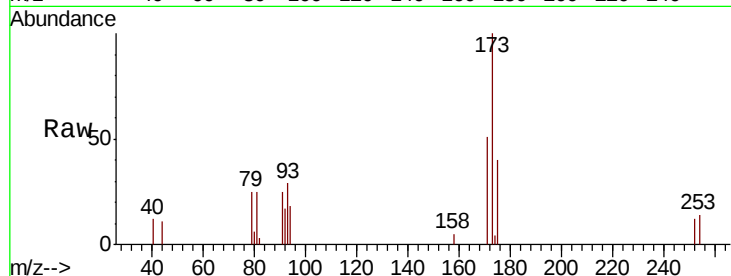
#71
Bromoform
Concen: 1.932 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

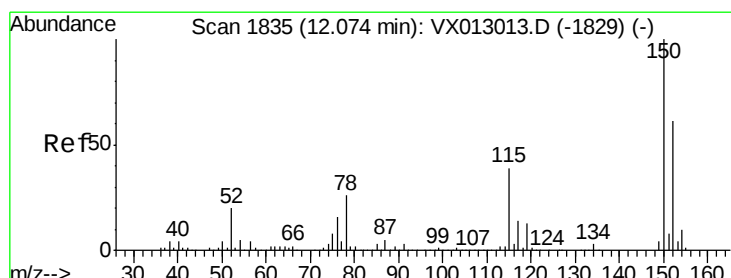
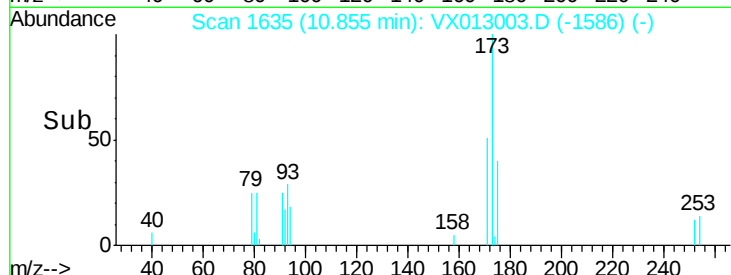
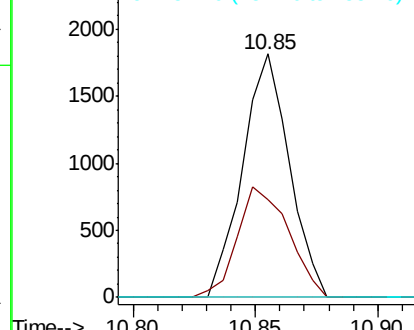
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.1	72.3
254	0.0	0.1	0.1#

Manual Integrations
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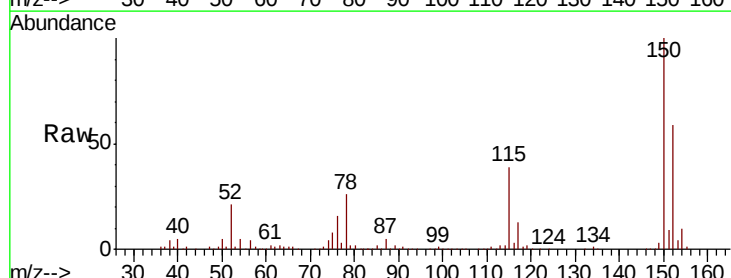


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

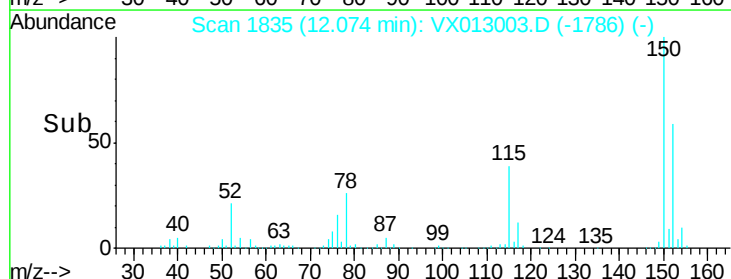
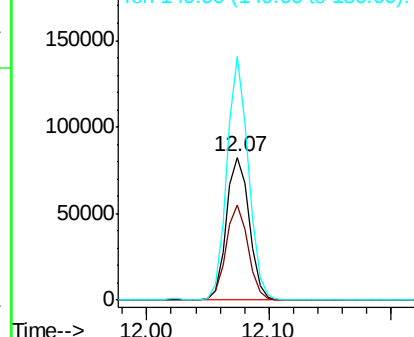


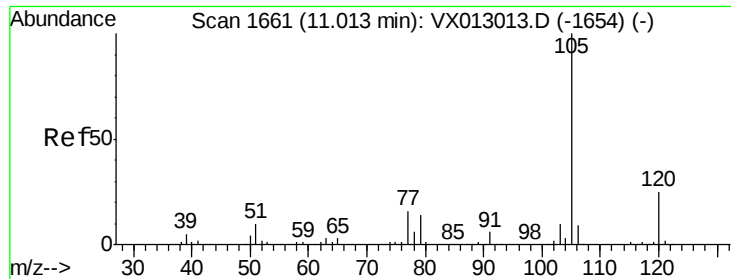
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	44.5	133.5
150	160.2	0.0	353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.652 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 105 Resp: 20742

Ion Ratio Lower Upper

105 100

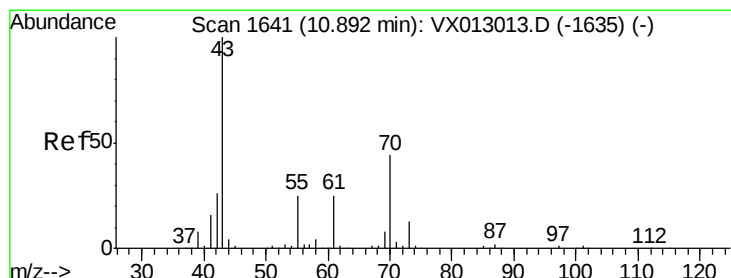
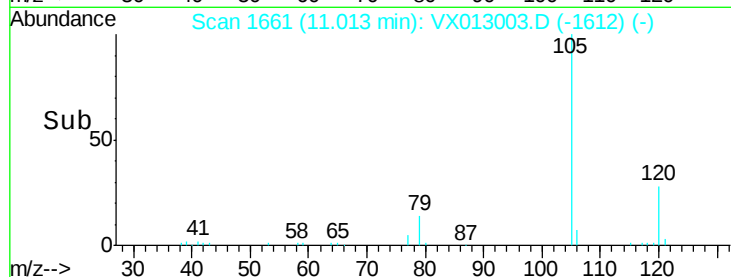
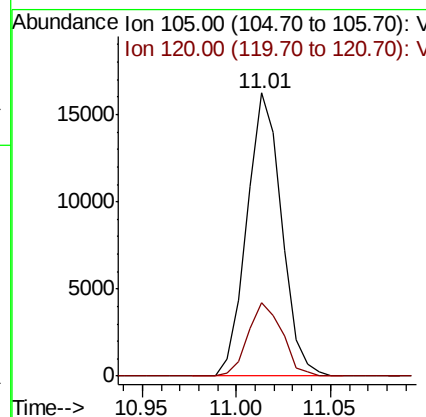
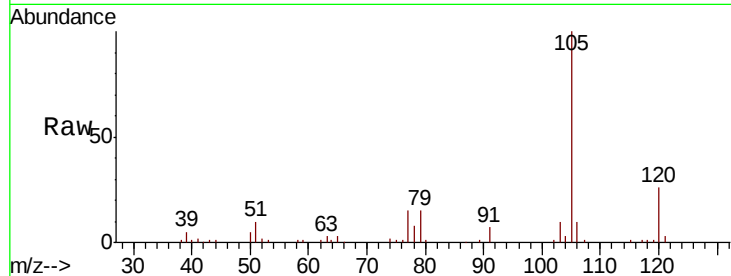
120 25.6 13.0 39.0

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#74

N-ethyl acetate

Concen: 2.366 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion: 43 Resp: 7970

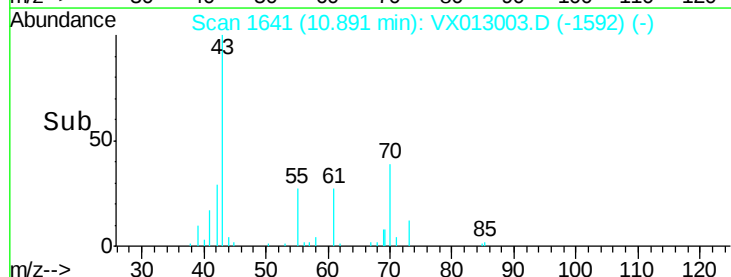
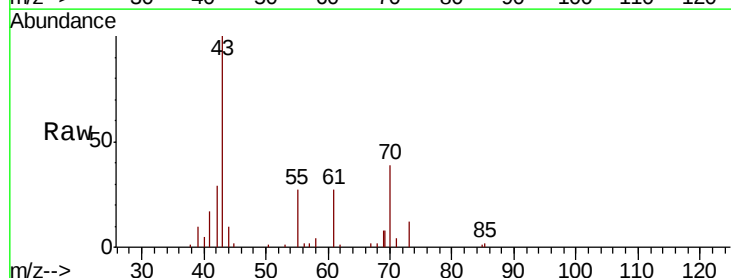
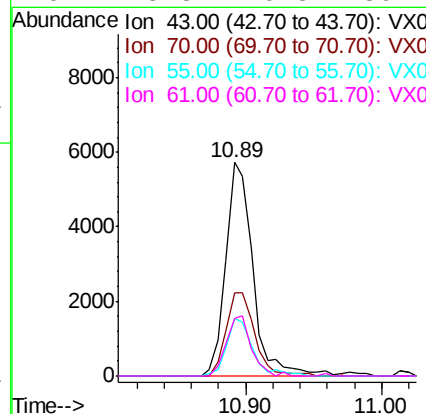
Ion Ratio Lower Upper

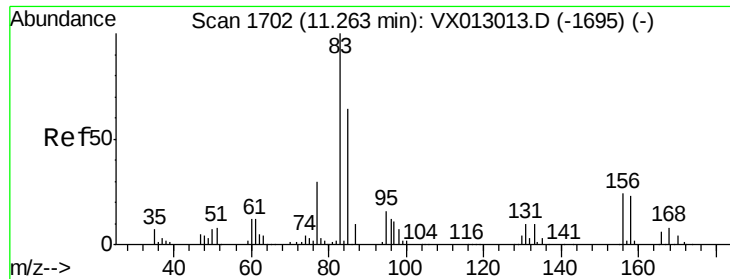
43 100

70 41.0 36.4 54.6

55 25.9 20.2 30.2

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 2.622 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

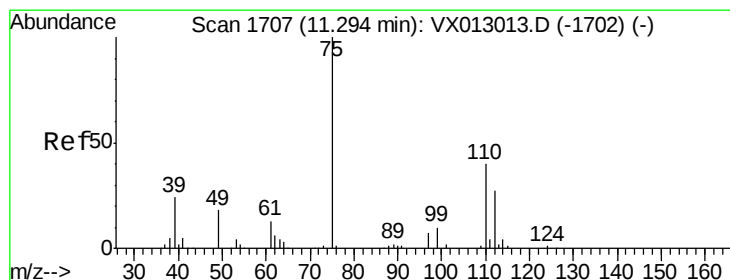
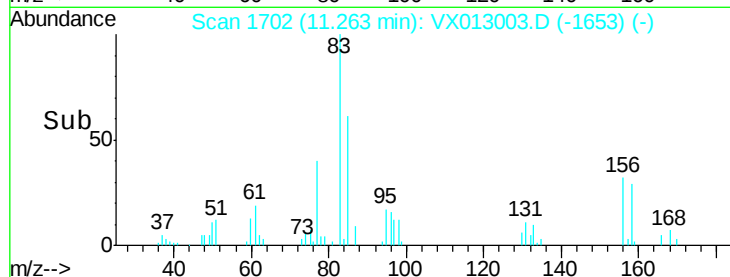
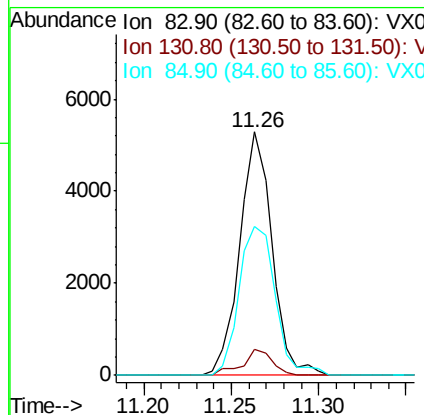
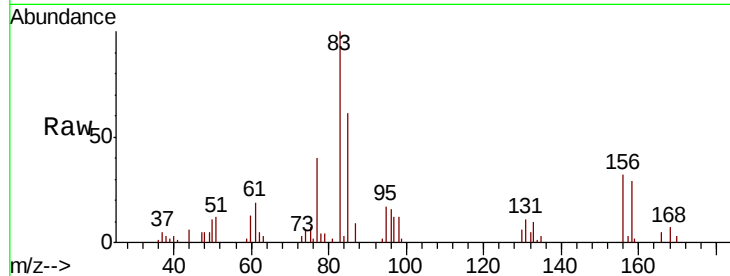
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	83	Resp:	6822
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	68.5	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 2.772 ug/l m

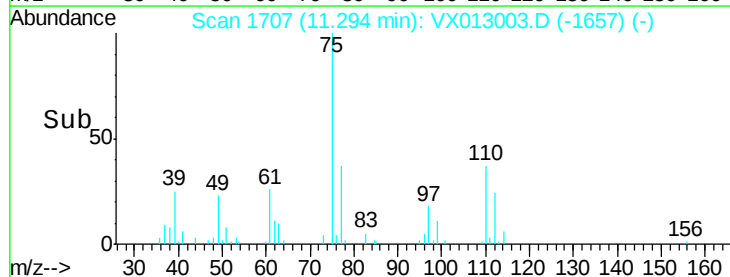
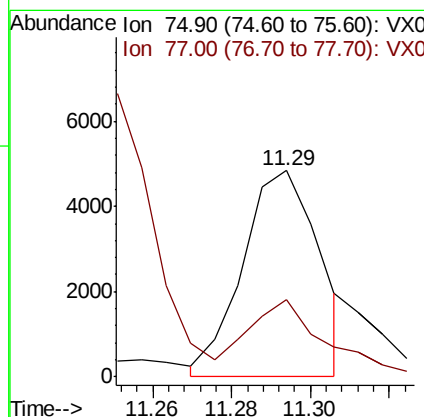
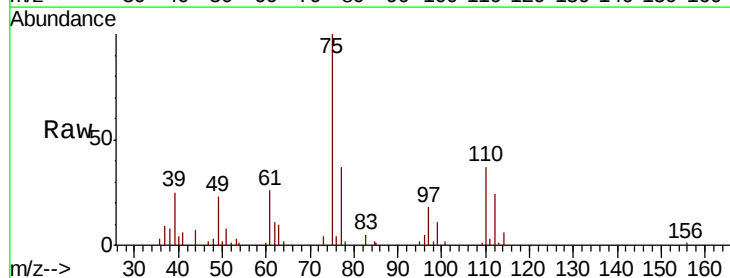
RT: 11.29 min Scan# 1707

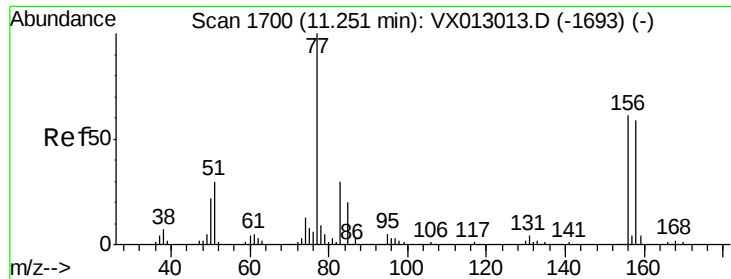
Delta R.T. 0.01 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	75	Resp:	6540
Ion Ratio	Lower	Upper	
75	100		
77	39.2	22.9	68.8





#77

Bromobenzene

Concen: 2.797 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

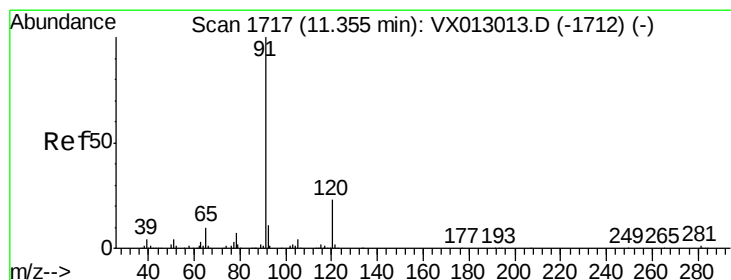
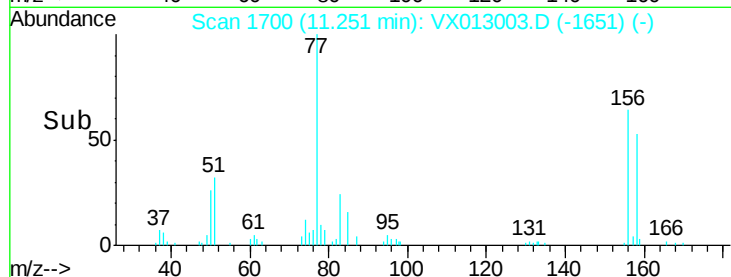
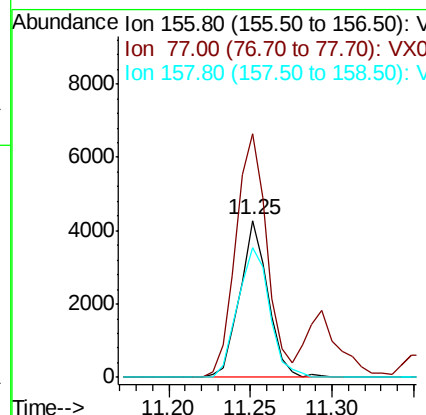
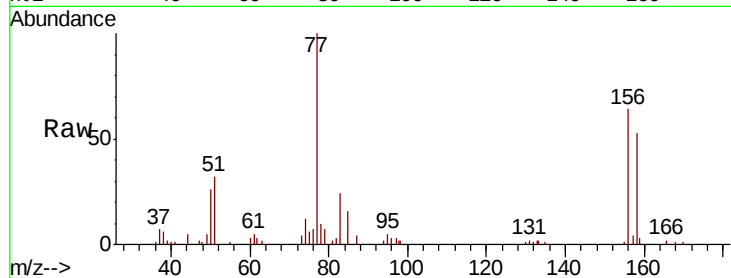
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
156	100		
77	171.7	83.7	251.0
158	93.0	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 2.664 ug/l

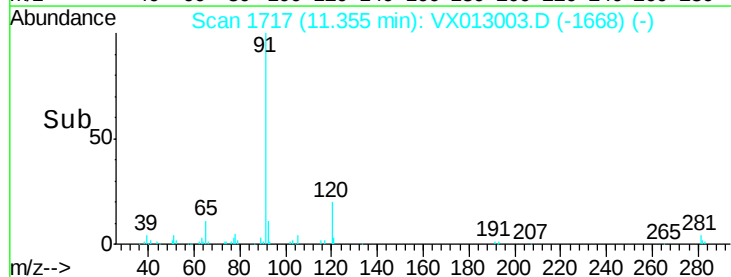
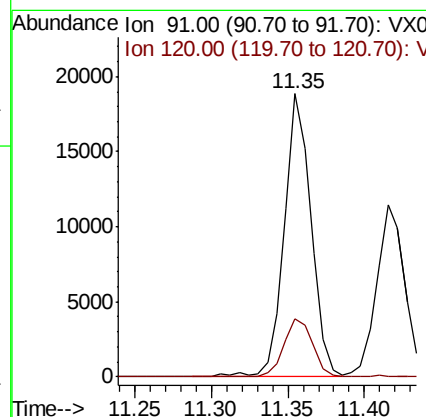
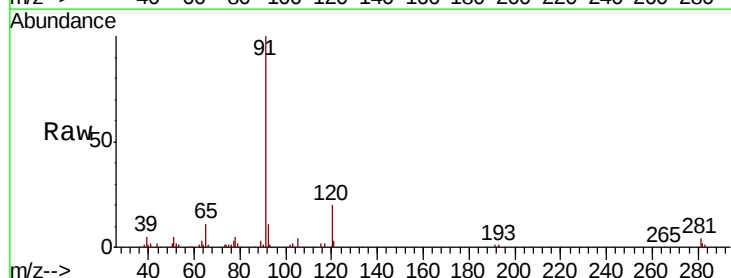
RT: 11.35 min Scan# 1717

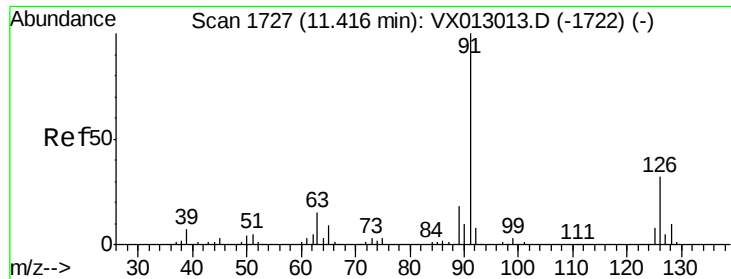
Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.7	35.1





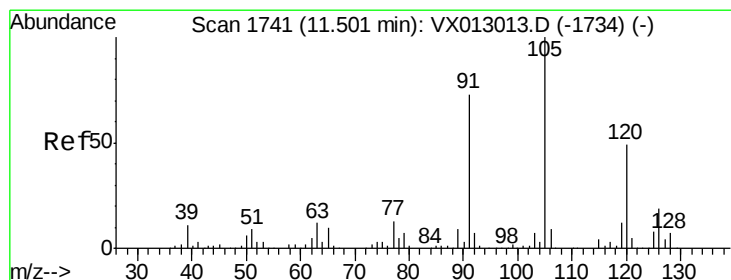
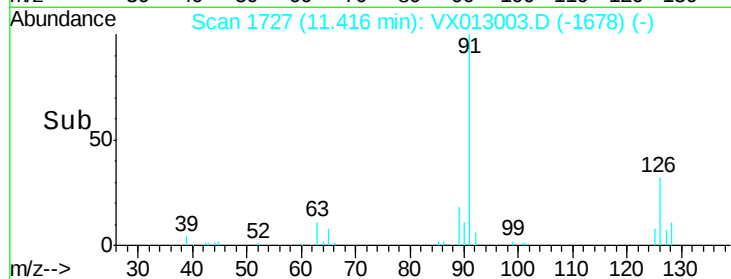
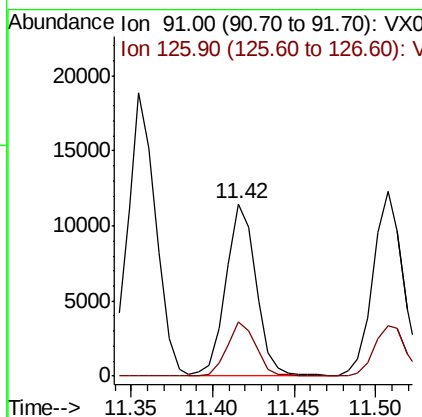
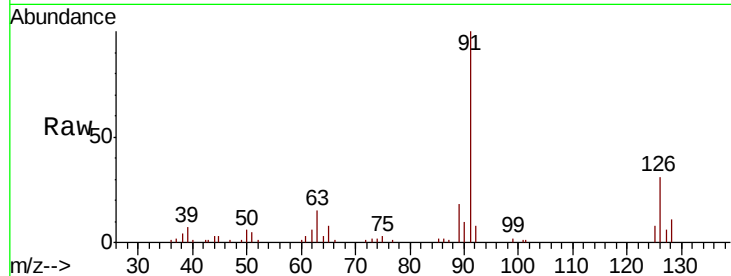
#79
 2-Chlorotoluene
 Concen: 2.756 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion: 91 Resp: 14907
 Ion Ratio Lower Upper
 91 100
 126 29.6 16.3 48.8

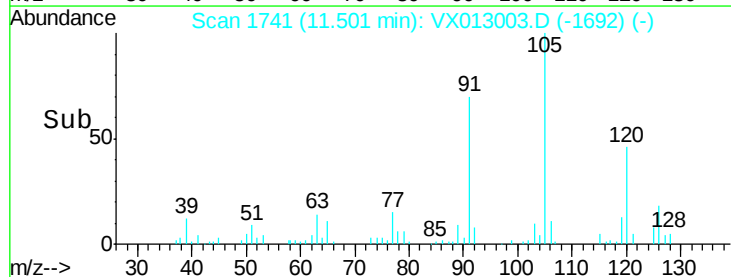
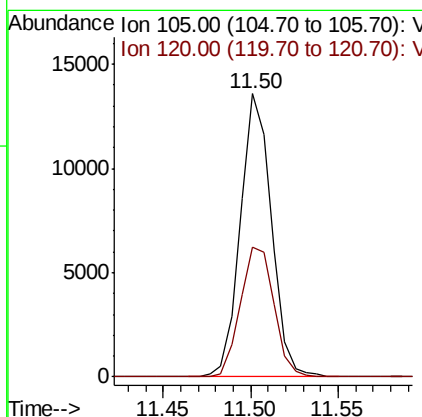
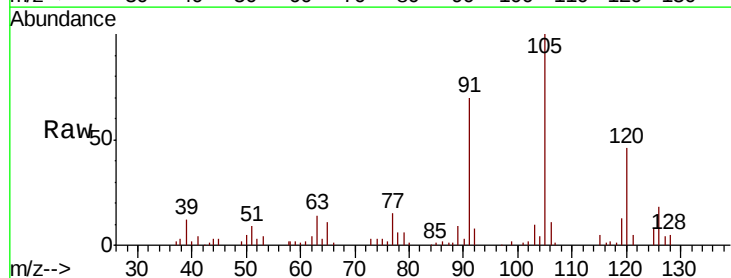
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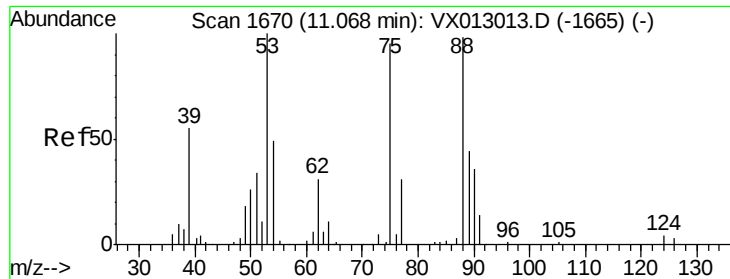
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 2.566 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion: 105 Resp: 16761
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 1.702 ug/l m

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

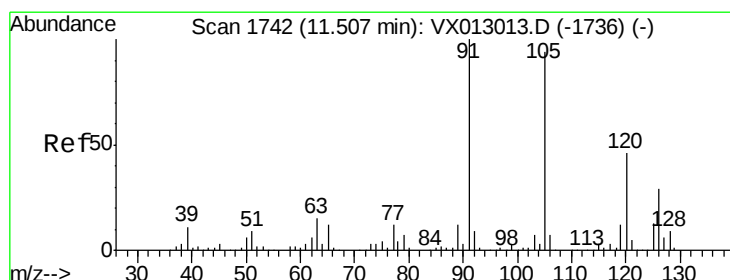
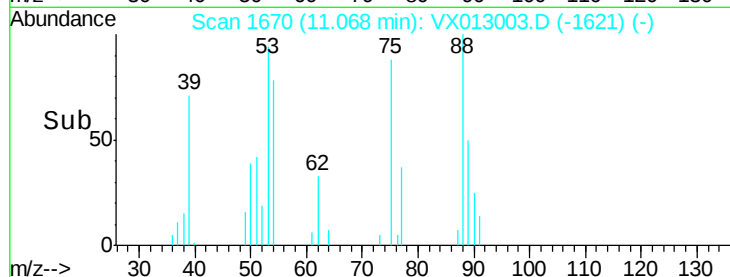
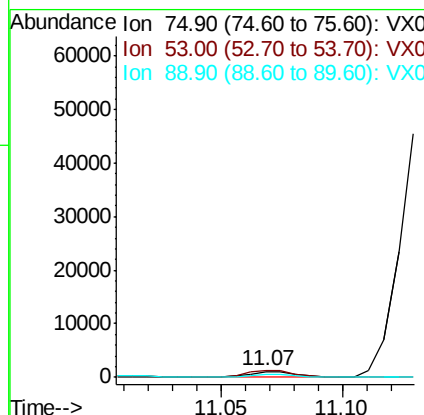
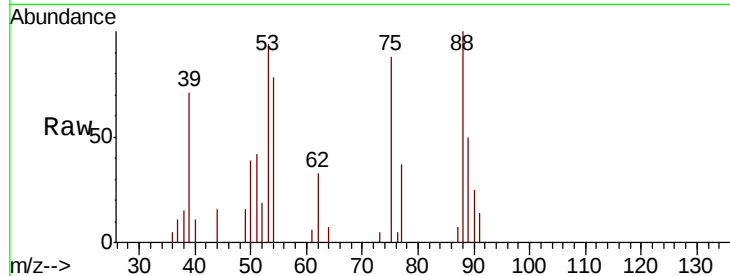
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	75	Resp:	1419
Ion Ratio	Lower	Upper	
75	100		
53	0.0	78.5	117.7#
89	0.0	37.4	56.2#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 2.574 ug/l

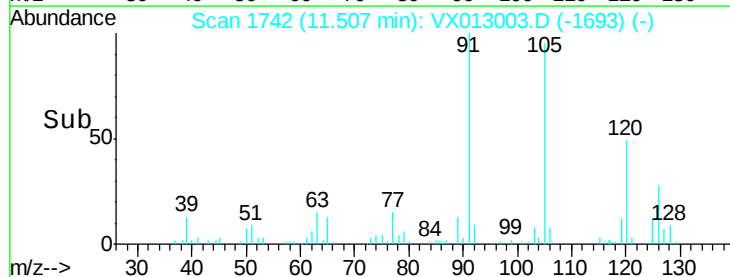
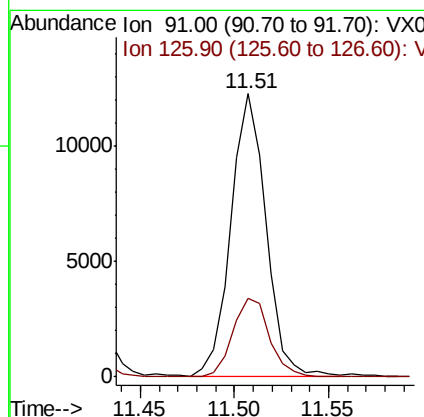
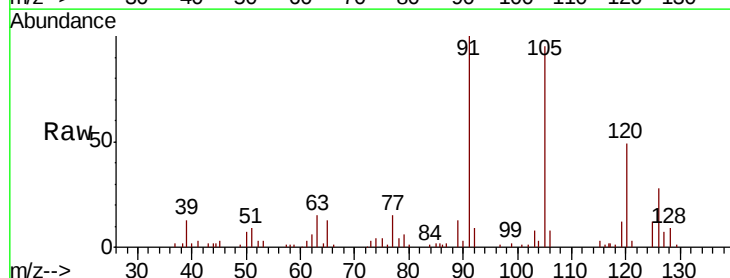
RT: 11.51 min Scan# 1742

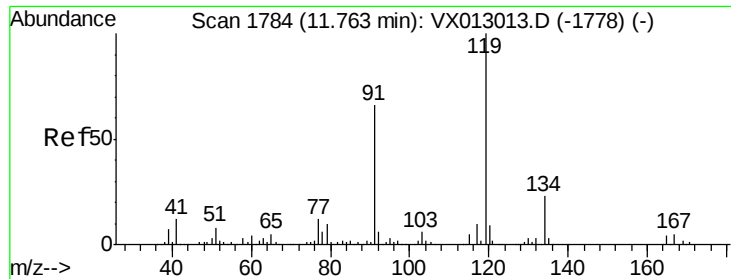
Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Tgt Ion:	91	Resp:	15956
Ion Ratio	Lower	Upper	
91	100		
126	28.6	14.2	42.6





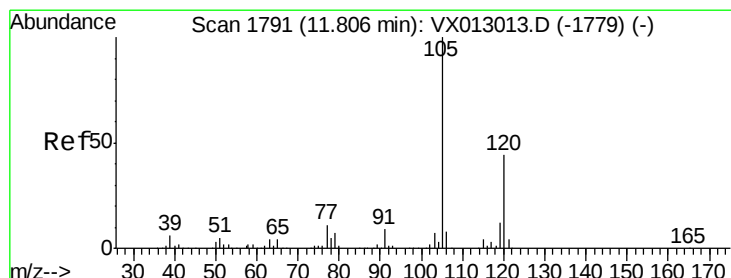
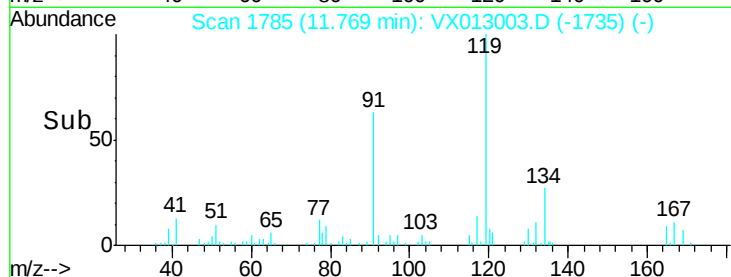
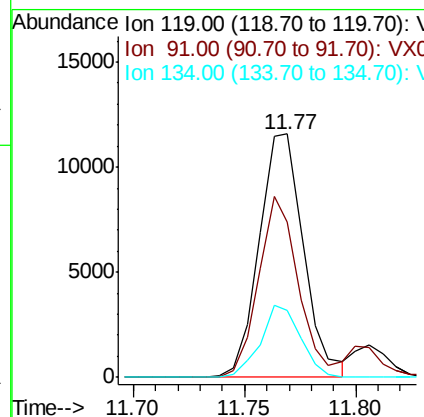
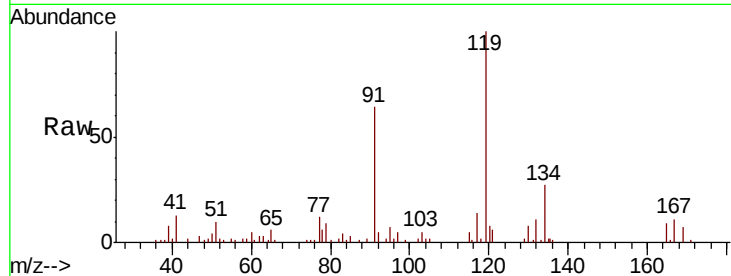
#83
tert-Butylbenzene
Concen: 2.530 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16119		
91	65.9	29.3	87.9	
134	26.7	11.5	34.4	

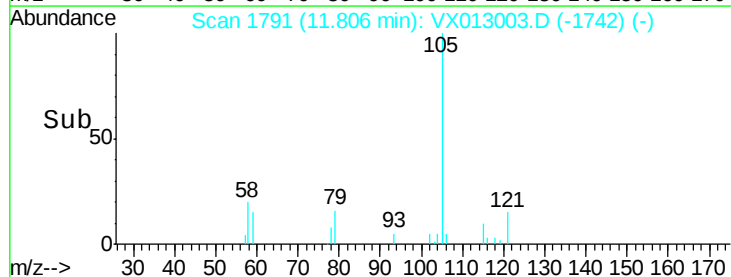
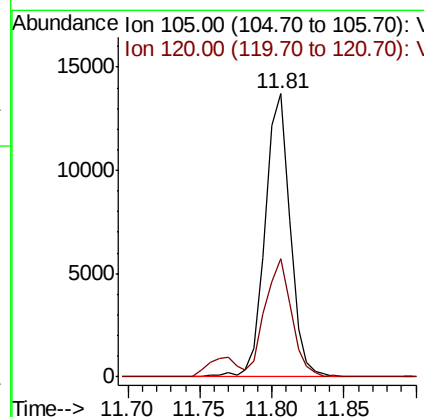
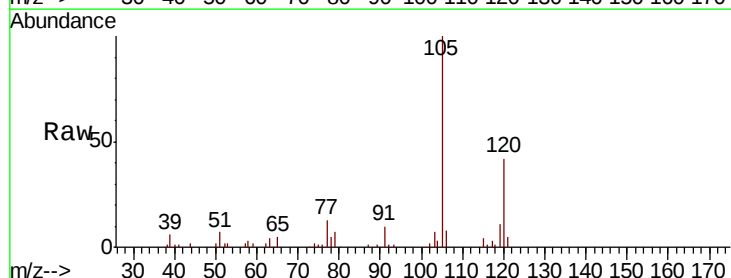
Manual Integrations
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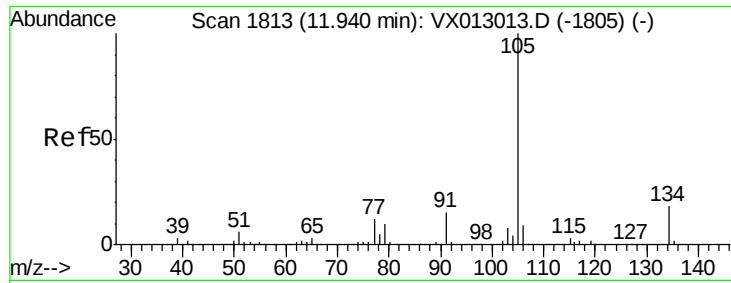
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#84
1,2,4-Trimethylbenzene
Concen: 2.486 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	16446		
120	44.3	21.8	65.3	





#85

sec-Butylbenzene

Concen: 2.464 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:105 Resp: 18188

Ion Ratio Lower Upper

105 100

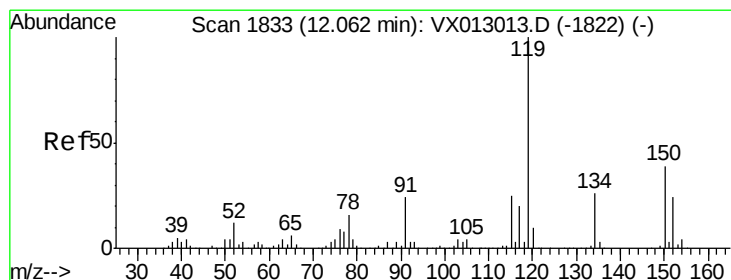
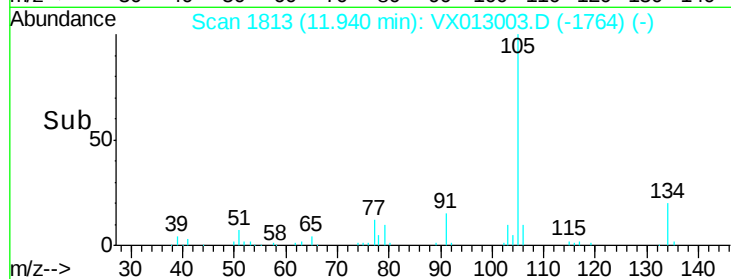
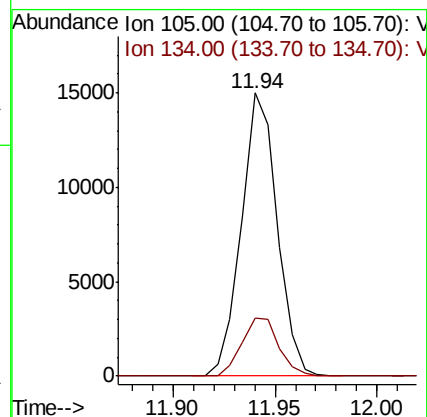
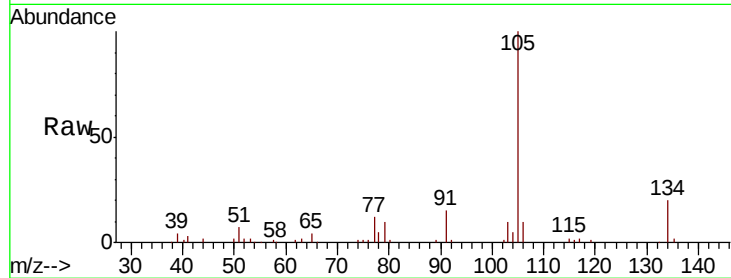
134 21.1 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 2.398 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013003.D

Acq: 10 Oct 2019 18:03

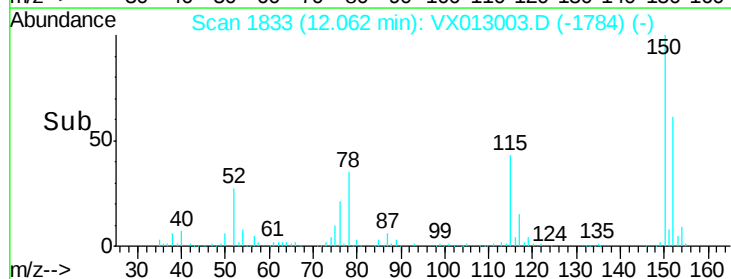
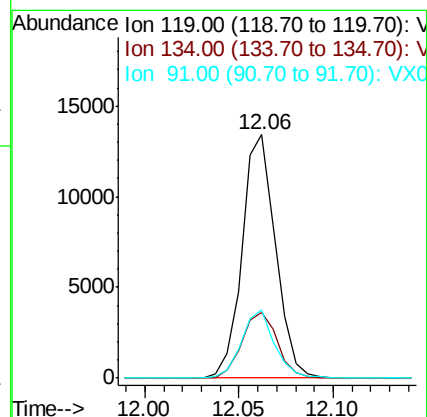
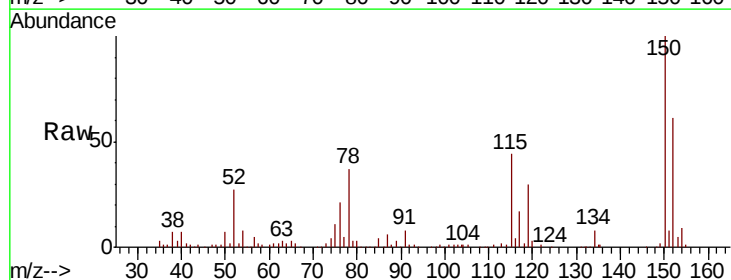
Tgt Ion:119 Resp: 16418

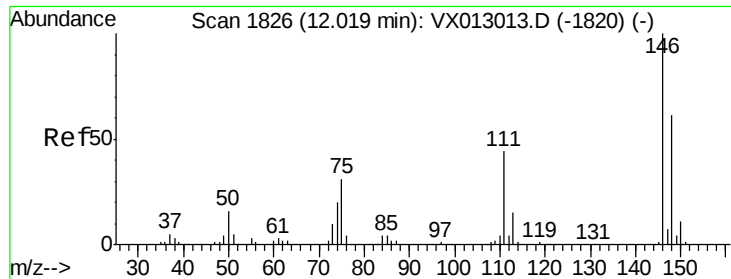
Ion Ratio Lower Upper

119 100

134 28.5 12.6 37.8

91 27.9 12.4 37.4





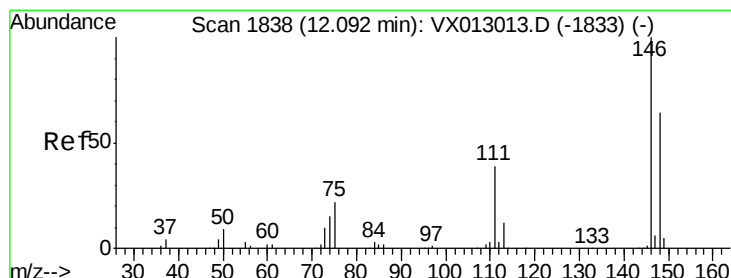
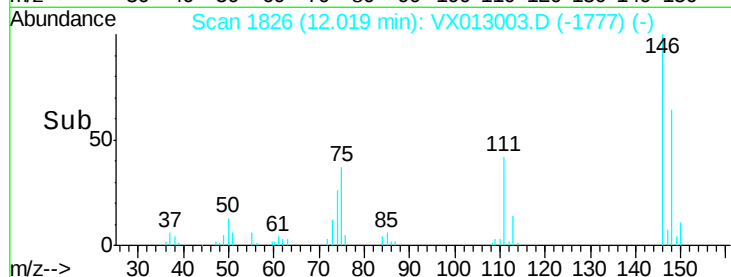
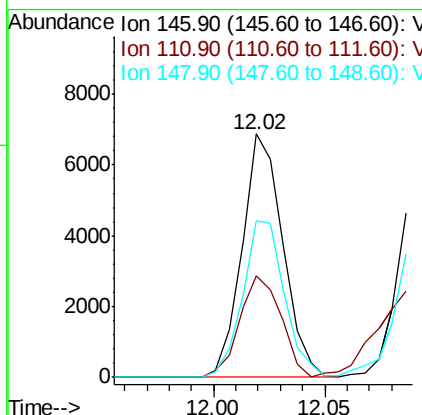
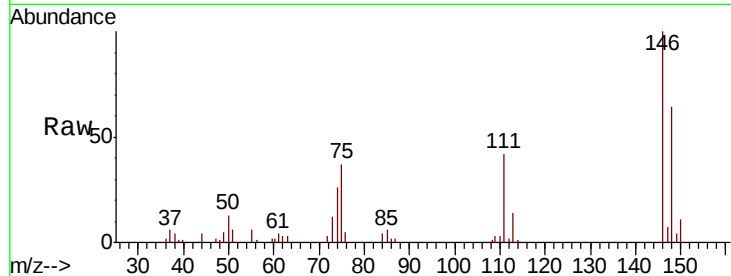
#87
 1,3-Dichlorobenzene
 Concen: 2.560 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	66.5	31.6	95.0

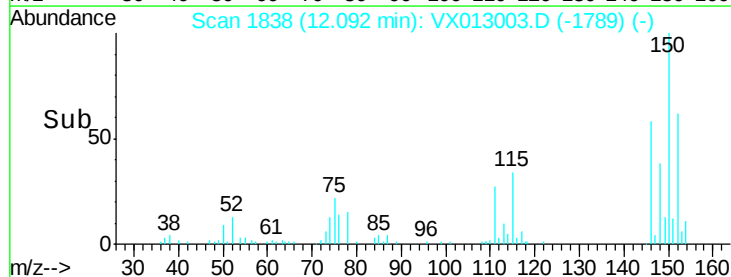
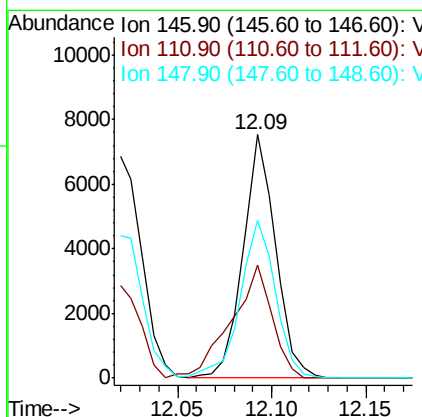
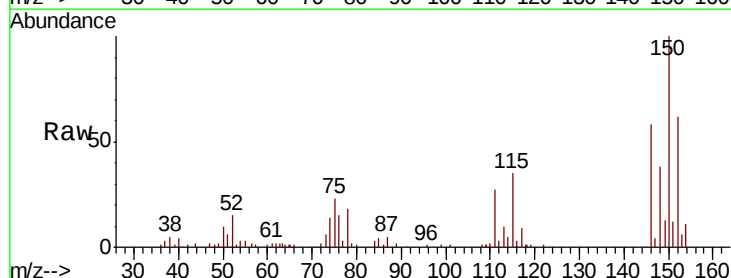
Manual Integrations
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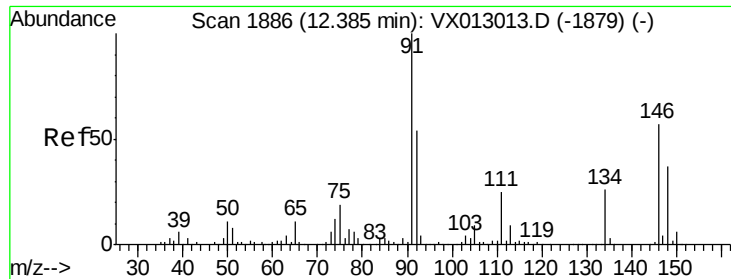
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 10/14/2019 2:47:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 2.604 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	57.6	21.4	64.3
148	70.2	32.1	96.5





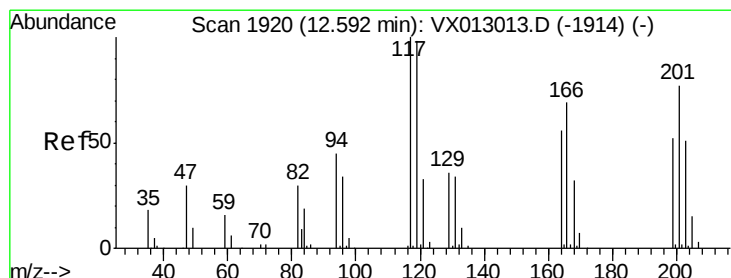
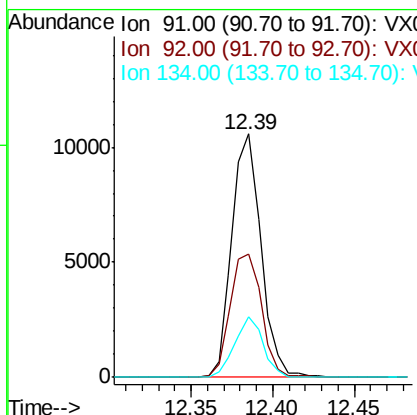
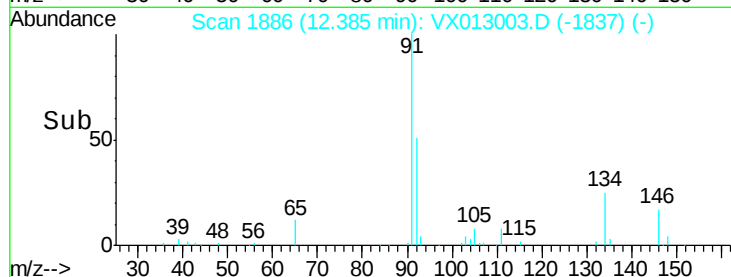
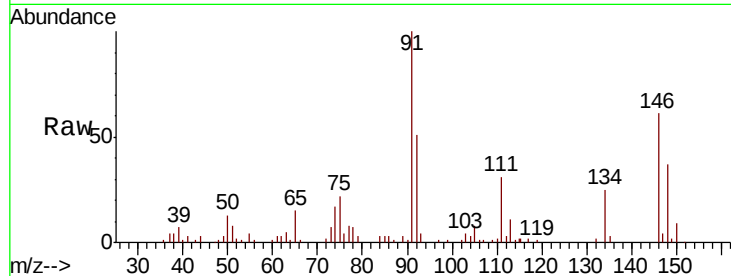
#89
n-Butylbenzene
Concen: 2.291 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.5
134	24.3	12.9	38.7

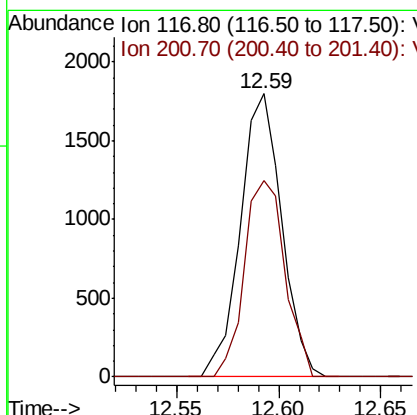
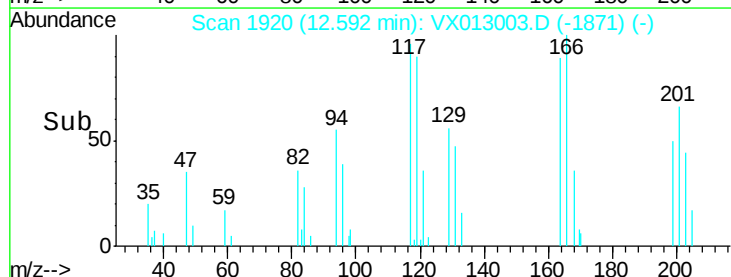
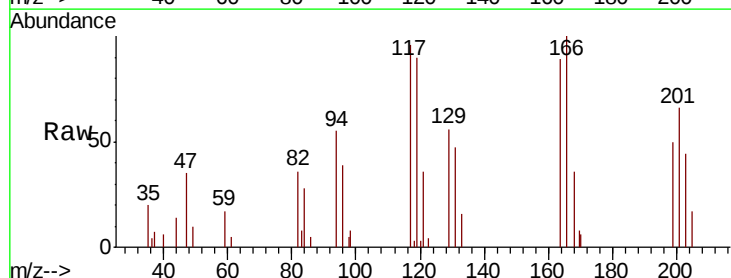
Manual Integrations
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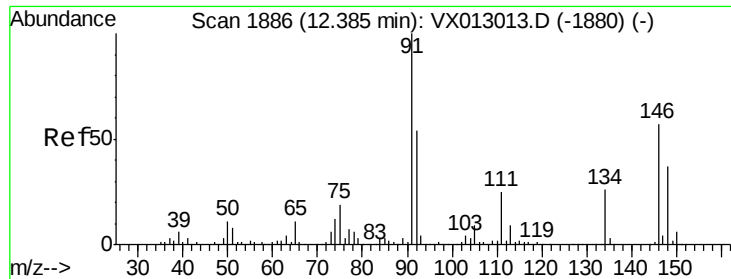
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#90
Hexachloroethane
Concen: 2.286 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	36.9	110.7





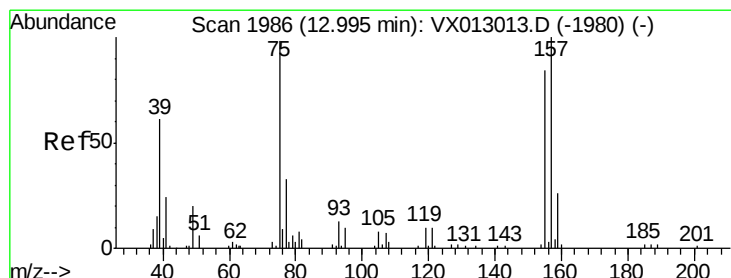
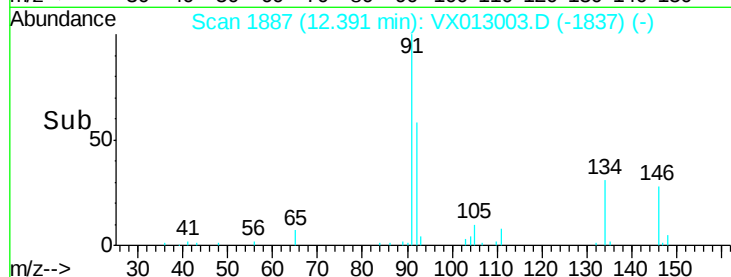
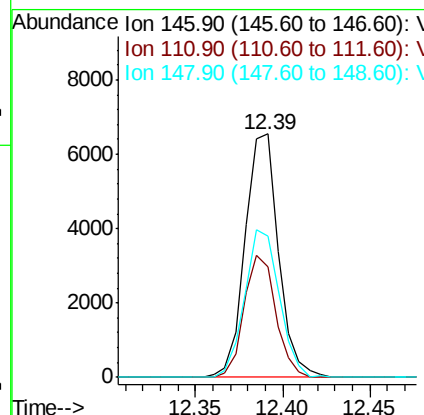
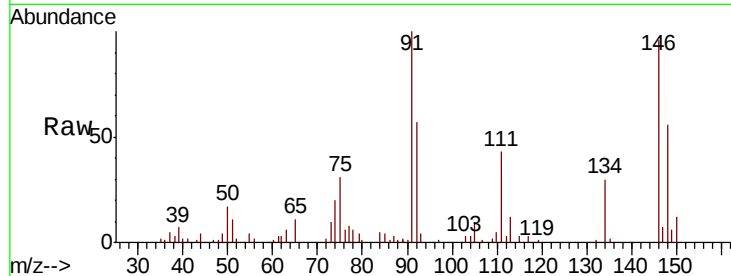
#91
 1,2-Dichlorobenzene
 Concen: 2.601 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.7	68.0
148	62.9	31.6	94.7

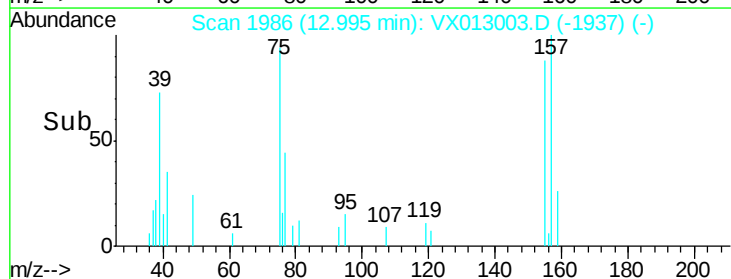
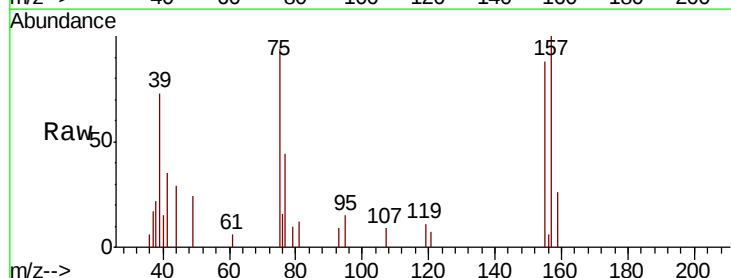
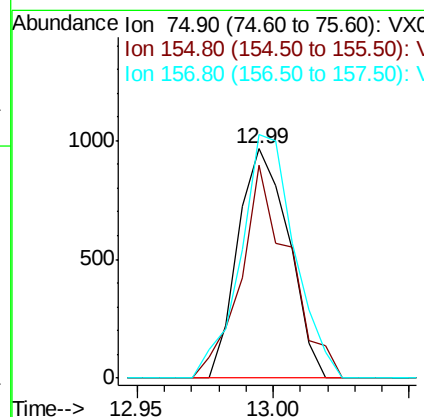
Manual Integrations
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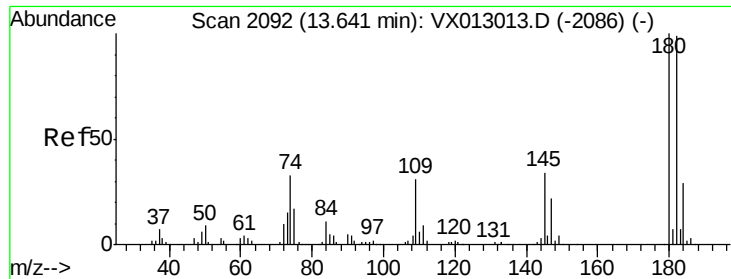
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.048 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013003.D
 Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	43.0	128.8
157	112.8	54.1	162.3





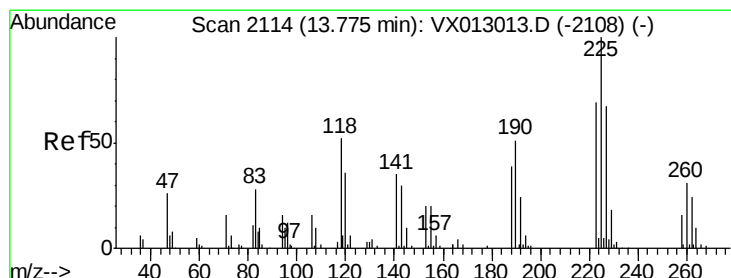
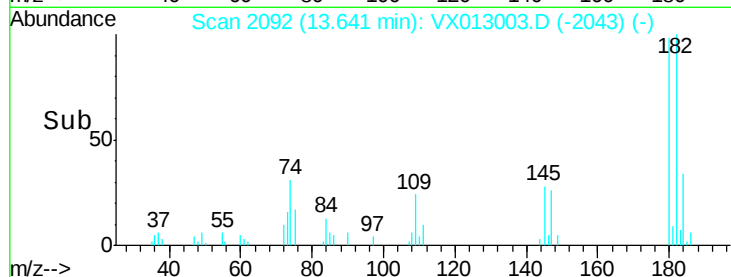
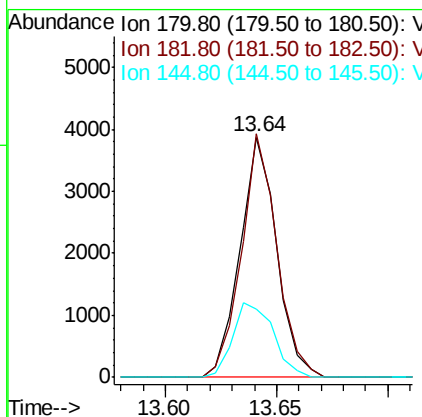
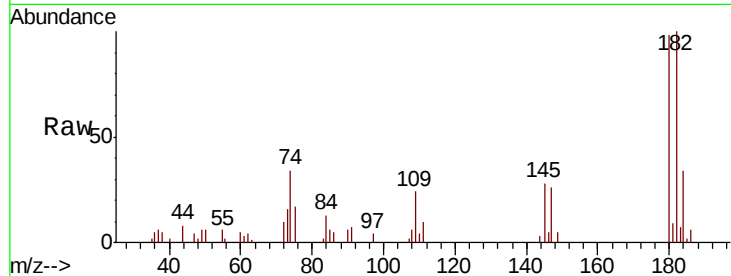
#93
1,2,4-Trichlorobenzene
Concen: 2.113 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	46.8	140.4
145	34.3	16.2	48.6

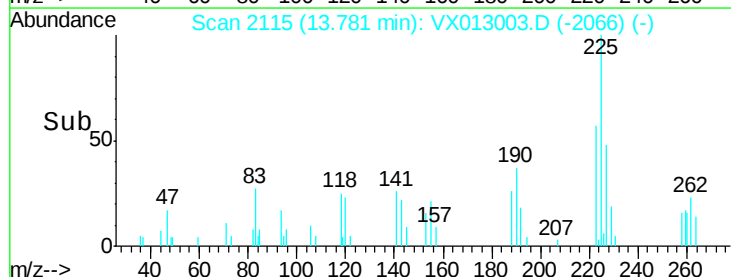
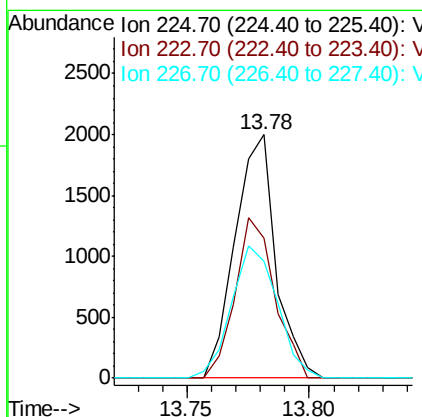
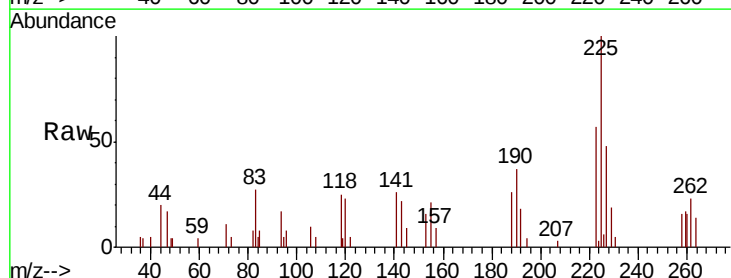
Manual Integrations
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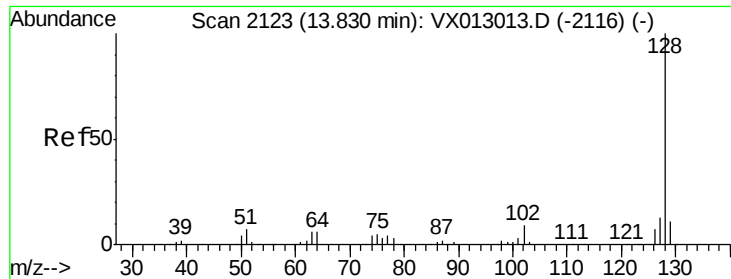
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10/14/2019 2:47:57 PM



#94
Hexachlorobutadiene
Concen: 2.385 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.1	93.2
227	61.1	32.3	96.9





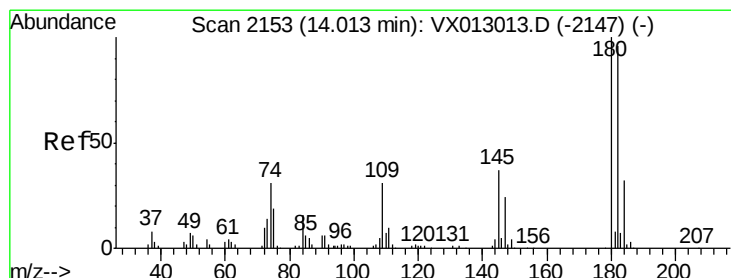
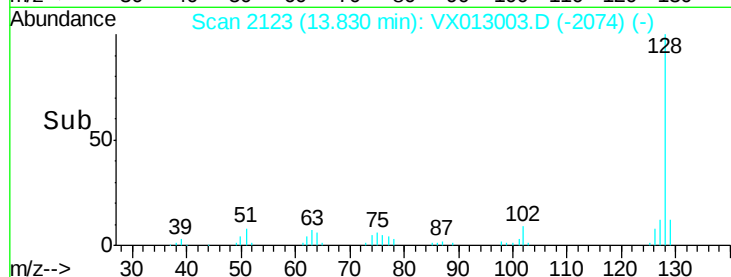
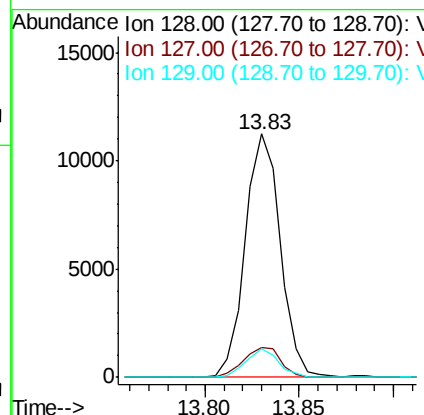
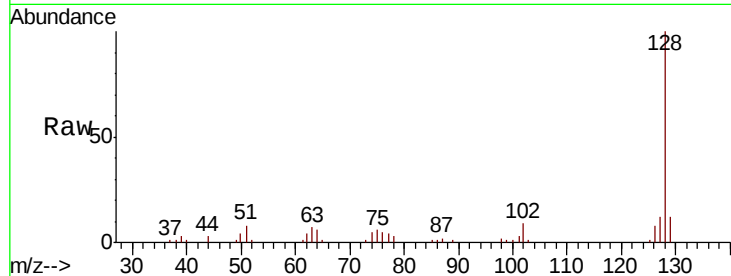
#95
Naphthalene
Concen: 2.000 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
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10/14/2019 2:47:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.292 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013003.D
Acq: 10 Oct 2019 18:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	33.7	17.4	52.3

