

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013095.D
 Acq On : 16 Oct 2019 14:49
 Operator : JC/SP
 Sample : K5111-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:53:59 PM

Quant Time: Oct 17 03:37:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	30162	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	173937	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	153249	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	68772	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	11.13	95	75035	27.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.23%
63) Toluene-d8	8.71	98	209761	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	5092	2.504	ug/l 99
3) Chloromethane	1.32	50	5188	2.599	ug/l 89
4) Vinyl Chloride	1.40	62	5198	2.611	ug/l 98
5) Bromomethane	1.63	94	3822	4.108	ug/l 89
6) Chloroethane	1.72	64	3798	3.103	ug/l 99
7) Trichlorofluoromethane	1.92	101	7416	2.535	ug/l 100
8) Diethyl Ether	2.17	74	2882	2.677	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4811	2.609	ug/l 96
10) 1,1-Dichloroethene	2.36	96	4577	2.523	ug/l 93
11) Methyl Iodide	2.50	142	3731	1.682	ug/l 93
12) Methyl Acetate	2.76	43	6536	2.576	ug/l 97
13) Acrolein	2.28	56	3989	10.927	ug/l 99
14) Acrylonitrile	3.13	53	13483	12.733	ug/l 98
15) Acetone	2.43	58	4366	11.647	ug/l 98
16) Carbon Disulfide	2.56	76	13281	2.707	ug/l # 95
17) Allyl chloride	2.72	41	7381	2.397	ug/l 89
18) Methylene Chloride	2.85	84	5603	2.715	ug/l 92
19) trans-1,2-Dichloroethene	3.16	96	5162	2.657	ug/l 89
20) Diisopropyl ether	3.84	45	14915	2.525	ug/l # 92
21) 1,1-Dichloroethane	3.69	63	8466	2.485	ug/l 95
22) cis-1,2-Dichloroethene	4.59	96	5556	2.489	ug/l 96
23) tert-Butyl Alcohol	3.03	59	10135	18.944	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	15414	2.493	ug/l 97
25) Chloroform	5.19	83	9273	2.633	ug/l 84
26) Cyclohexane	5.56	56	7703	2.489	ug/l # 96
29) 1,1-Dichloropropene	5.78	75	6428	2.423	ug/l 88
30) 2-Butanone	4.66	43	18506	11.842	ug/l # 79
31) 2,2-Dichloropropane	4.57	77	7128	2.375	ug/l 91
32) 1,1,1-Trichloroethane	5.48	97	7612	2.453	ug/l 99
33) Carbon Tetrachloride	5.77	117	5893m	2.213	ug/l
34) Benzene	6.13	78	20442	2.595	ug/l 96
35) Methacrylonitrile	5.04	41	3593m	2.345	ug/l
36) 1,2-Dichloroethane	6.19	62	7555	2.653	ug/l 98
37) Trichloroethene	7.21	130	5098	2.423	ug/l 89
38) Methylcyclohexane	7.45	83	7701	2.372	ug/l 95
39) 1,2-Dichloropropane	7.51	63	4698	2.375	ug/l # 87
40) Dibromomethane	7.65	93	3516	2.617	ug/l 91

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

41) Bromodichloromethane	7.89	83	6005	2.251	ug/l	87
42) Vinyl Acetate	3.80	43	60308	11.784	ug/l	100
43) Ethyl Acetate	4.83	43	5798	2.062	ug/l #	90
44) Isopropyl Acetate	6.43	43	10821	2.386	ug/l	98
45) 1,4-Dioxane	7.74	88	2704	48.510	ug/l #	83
46) Methyl methacrylate	7.76	41	5345	2.411	ug/l	89
47) n-amyl Acetate	10.89	43	8307	2.151	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	6143	2.081	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	6637	2.038	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	4752	2.344	ug/l	97
51) Ethyl methacrylate	9.17	69	7020	2.202	ug/l	92
52) 1,3-Dichloropropane	9.37	76	8105	2.382	ug/l	95
53) Dibromochloromethane	9.58	129	4127	1.982	ug/l	92
54) 1,2-Dibromoethane	9.67	107	5158	2.419	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	16054	11.445	ug/l	98
56) Bromoform	10.86	173	2733	1.887	ug/l #	95
58) 4-Methyl-2-Pentanone	8.64	43	32935	11.811	ug/l	99
59) 2-Hexanone	9.49	43	24537	11.276	ug/l	99
61) Tetrachloroethene	9.33	164	5109	2.617	ug/l #	88
62) Toluene	8.78	91	21280	2.555	ug/l	99
64) Chlorobenzene	10.14	112	13218	2.497	ug/l	94
65) 1,1,1,2-Tetrachloroethane	10.21	131	4519	2.325	ug/l	98
66) Ethyl Benzene	10.25	91	23174	2.438	ug/l	99
67) m/p-Xylenes	10.36	106	17751	4.964	ug/l	97
68) o-Xylene	10.70	106	8503	2.442	ug/l	93
69) Styrene	10.71	104	13584	2.266	ug/l	100
70) Isopropylbenzene	11.01	105	21357	2.296	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	7007	2.315	ug/l	95
72) 1,2,3-Trichloropropane	11.29	75	5872m	2.333	ug/l	
73) Bromobenzene	11.25	156	5776	2.604	ug/l	92
74) n-propylbenzene	11.35	91	24028	2.313	ug/l	100
75) 2-Chlorotoluene	11.42	91	14956	2.350	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	17983	2.272	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	1699	1.744	ug/l	83
78) 4-Chlorotoluene	11.51	91	17458	2.372	ug/l	94
79) tert-butylbenzene	11.76	119	17061	2.291	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	17546	2.223	ug/l	95
81) sec-Butylbenzene	11.94	105	19637	2.189	ug/l	100
82) p-Isopropyltoluene	12.06	119	17924	2.192	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	9534	2.371	ug/l	97
84) 1,4-Dichlorobenzene	12.09	146	9973	2.466	ug/l	98
85) n-Butylbenzene	12.39	91	13637	1.953	ug/l	94
86) Hexachloroethane	12.59	117	2766	1.952	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	9535	2.404	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	1550	2.230	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	5630	2.275	ug/l	99
90) Hexachlorobutadiene	13.78	225	2838	2.417	ug/l	95
91) Naphthalene	13.83	128	16876	2.005	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	5619	2.267	ug/l	94

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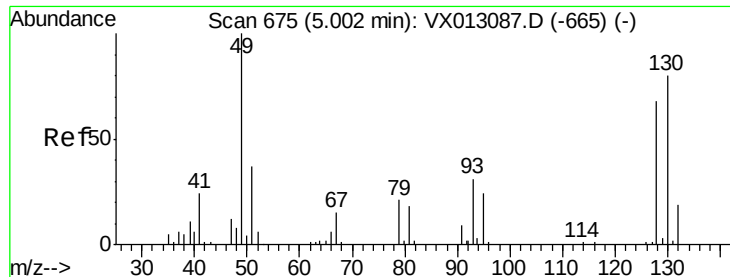
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

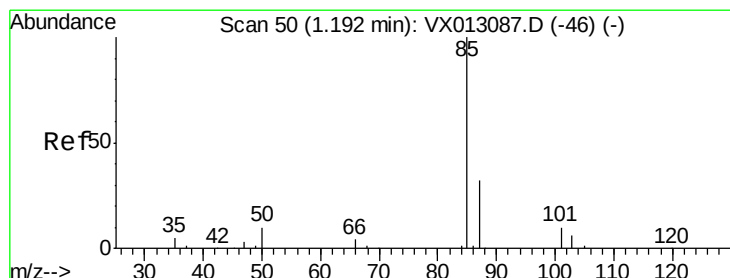
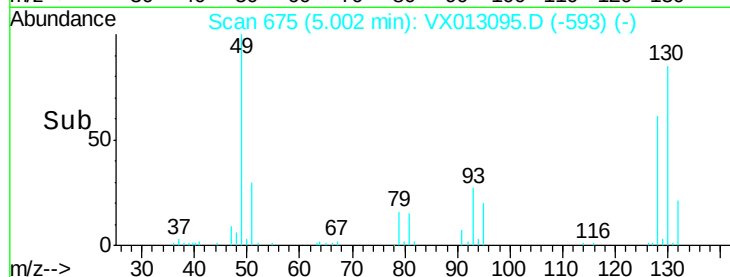
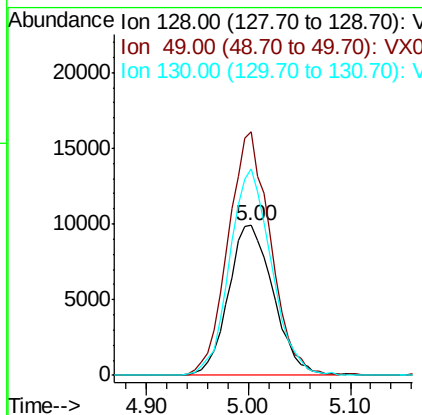
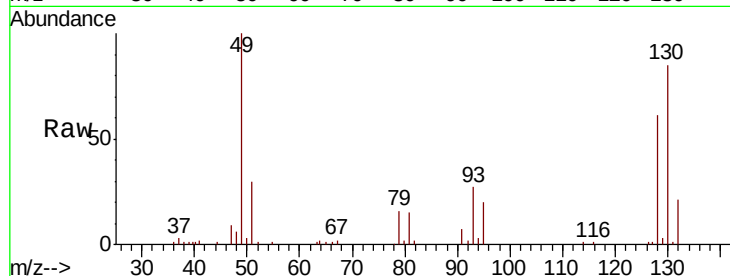
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	128	Resp:	30162
Ion	Ratio	Lower	Upper
128	100		
49	154.1	0.0	382.3
130	128.4	0.0	321.8

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#2

Dichlorodifluoromethane

Concen: 2.504 ug/l

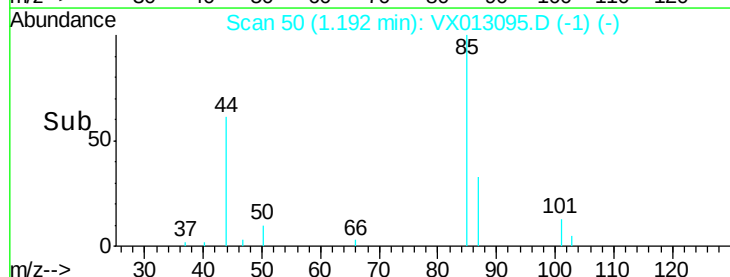
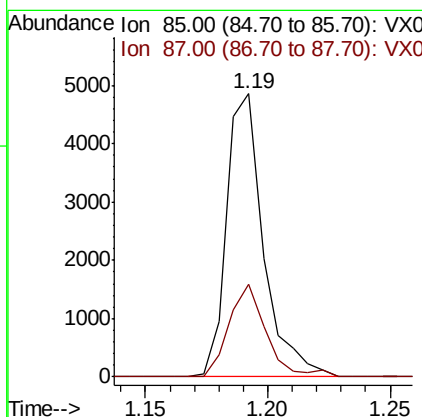
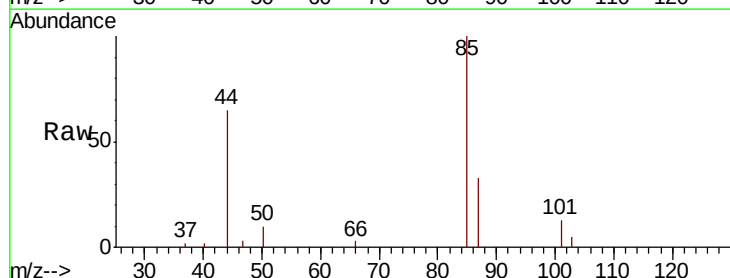
RT: 1.19 min Scan# 50

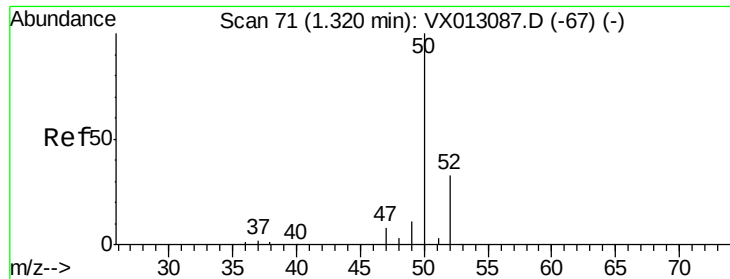
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	85	Resp:	5092
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.2	48.5





#3

Chloromethane

Concen: 2.599 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 50 Resp: 5188

Ion Ratio Lower Upper

50 100

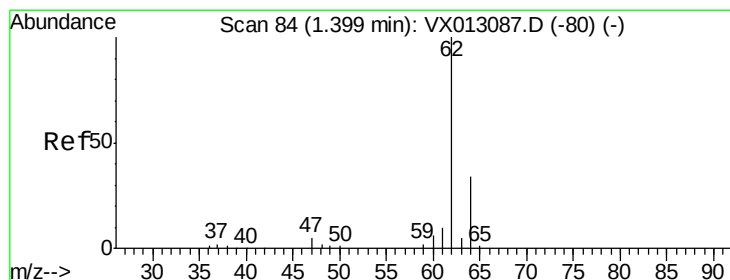
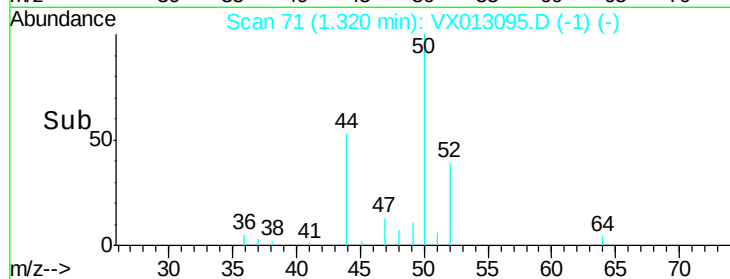
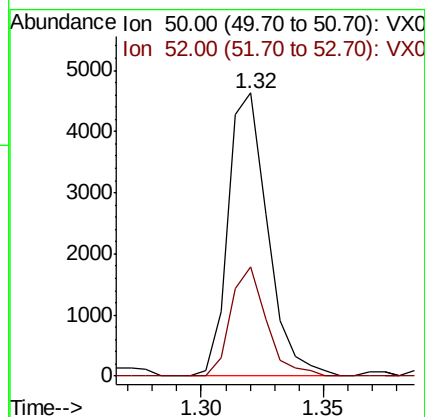
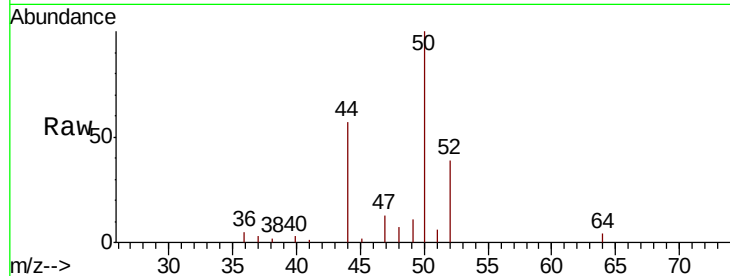
52 38.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 2.611 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013095.D

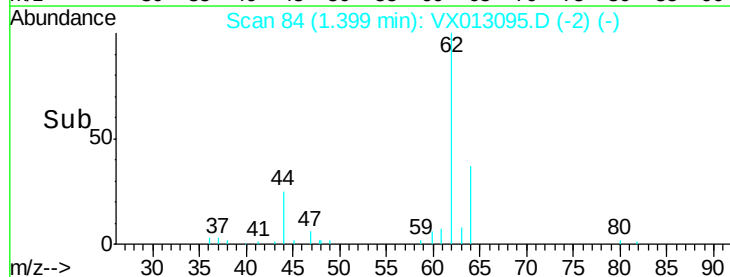
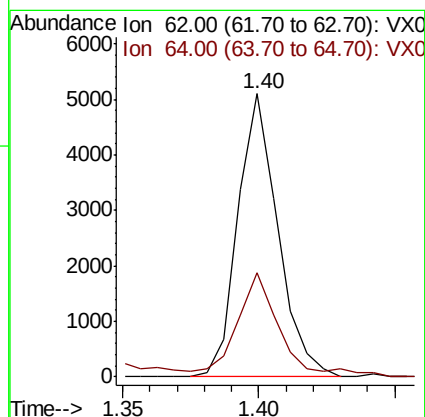
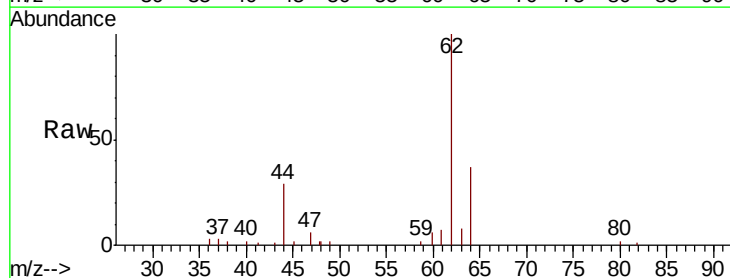
Acq: 16 Oct 2019 14:49

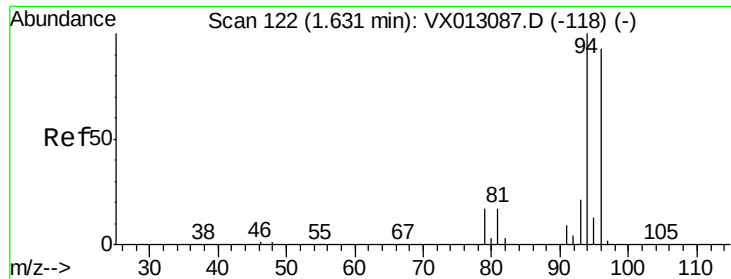
Tgt Ion: 62 Resp: 5198

Ion Ratio Lower Upper

62 100

64 35.1 27.4 41.0





#5

Bromomethane

Concen: 4.108 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 94 Resp: 3822

Ion Ratio Lower Upper

94 100

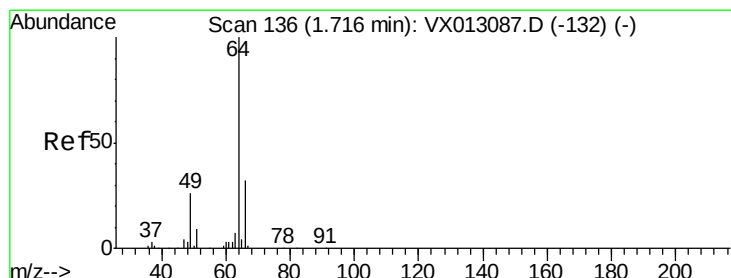
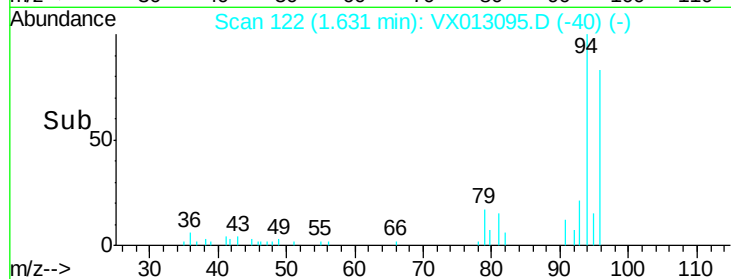
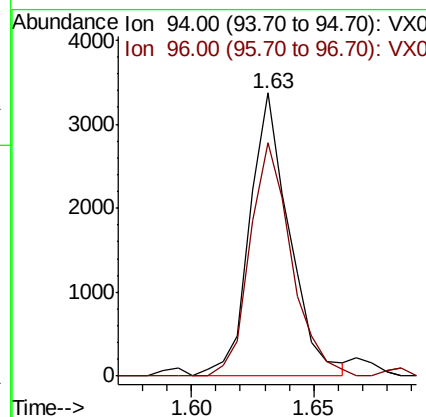
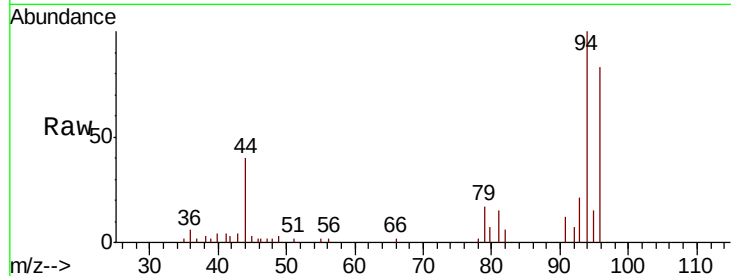
96 82.5 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 3.103 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX013095.D

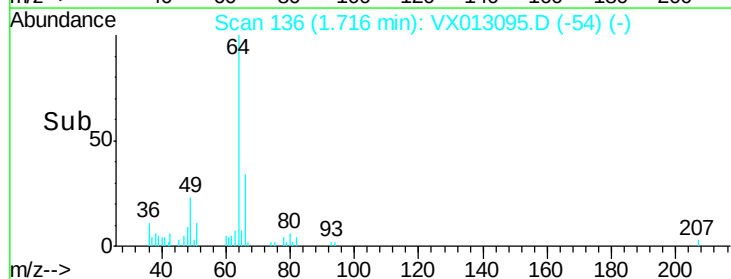
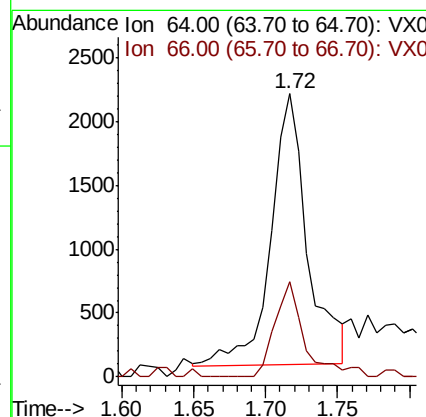
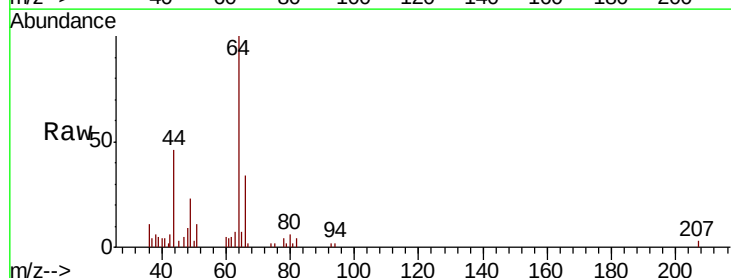
Acq: 16 Oct 2019 14:49

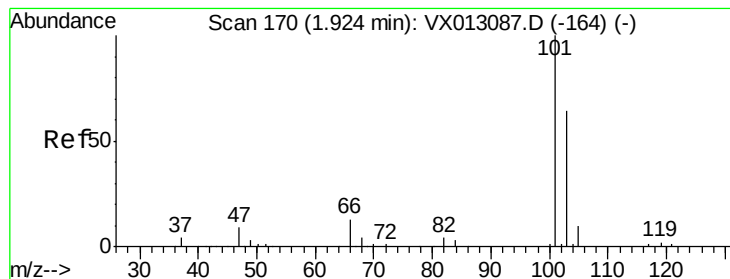
Tgt Ion: 64 Resp: 3798

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4





#7

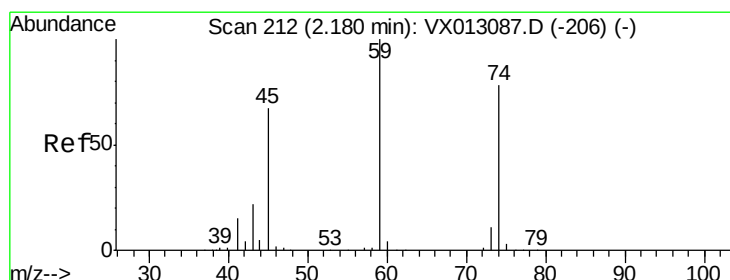
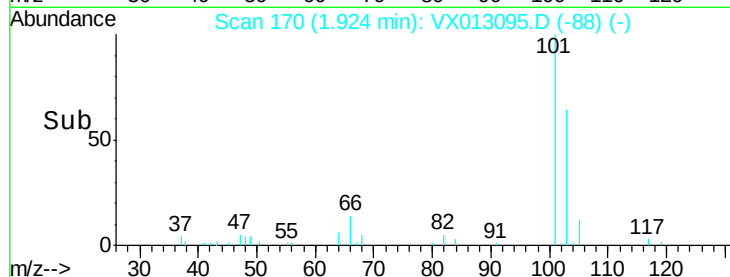
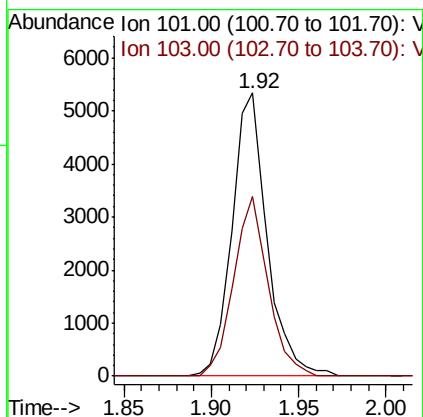
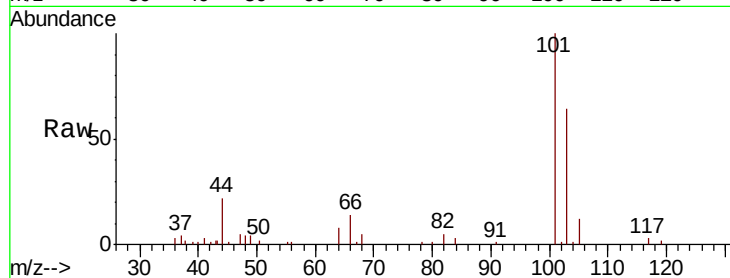
Trichlorofluoromethane
Concen: 2.535 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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LOD-MDL-WATER-01-QT4-2019

Tot Ion:101 Resp: 7416
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

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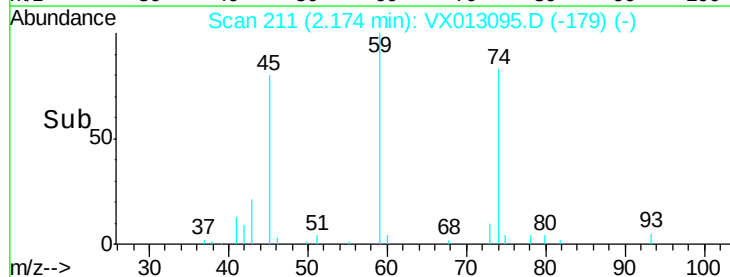
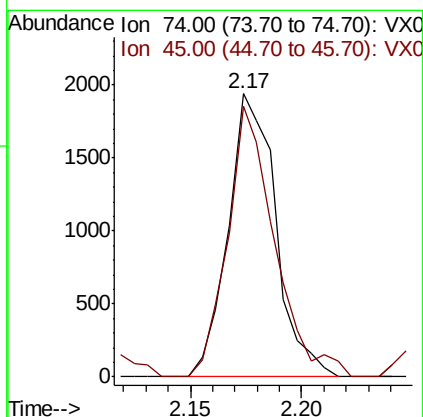
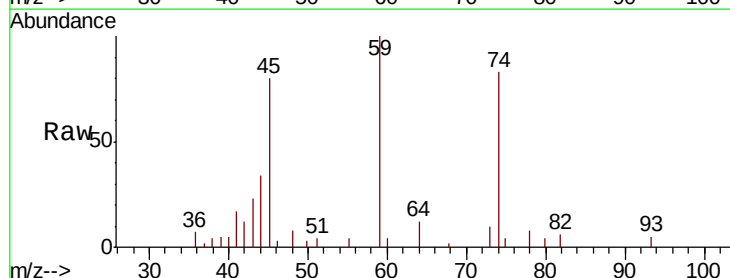
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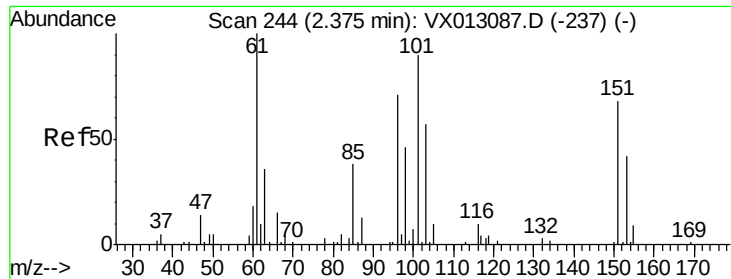


#8

Diethyl Ether
Concen: 2.677 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 74 Resp: 2882
Ion Ratio Lower Upper
74 100
45 91.4 18.2 163.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.609 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

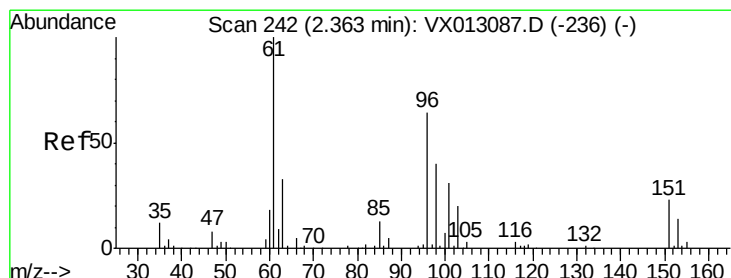
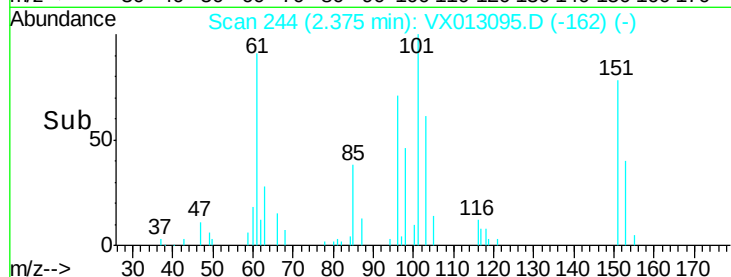
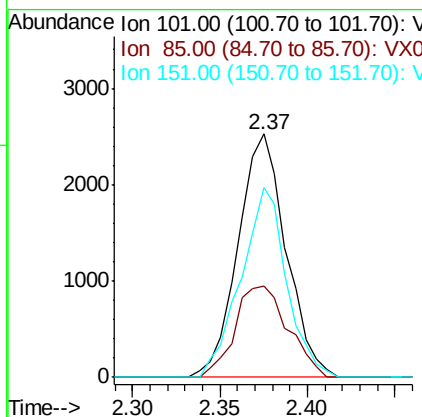
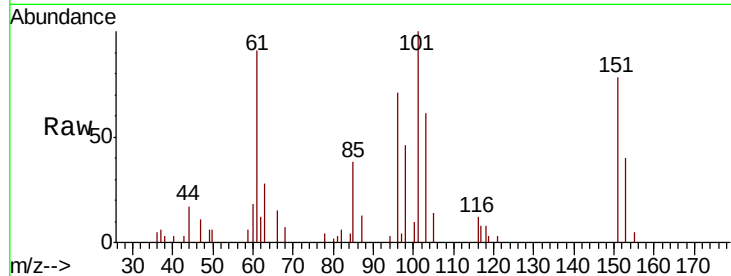
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	101	Resp:	4811
Ion Ratio	Lower	Upper	
101	100		
85	41.7	0.0	85.2
151	74.4	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 2.523 ug/l

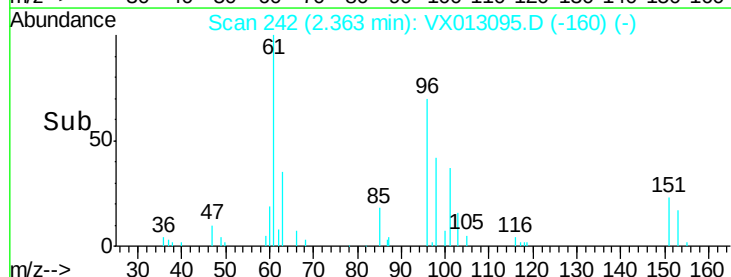
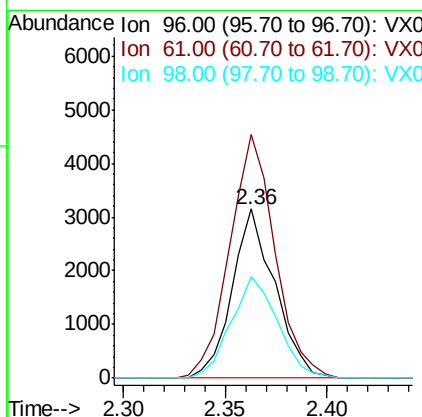
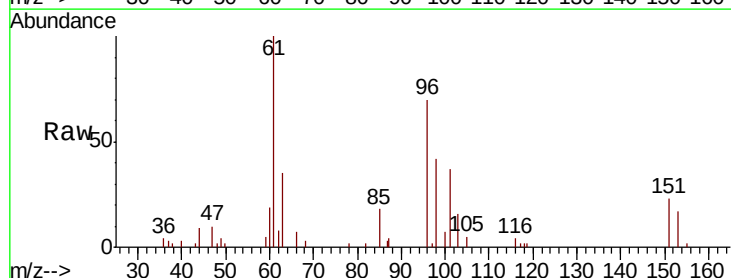
RT: 2.36 min Scan# 242

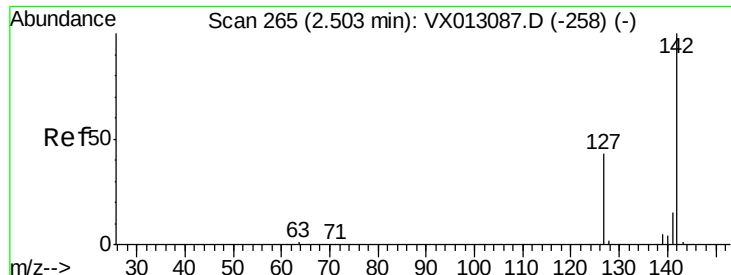
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	96	Resp:	4577
Ion Ratio	Lower	Upper	
96	100		
61	143.8	124.2	186.2
98	59.8	50.2	75.2





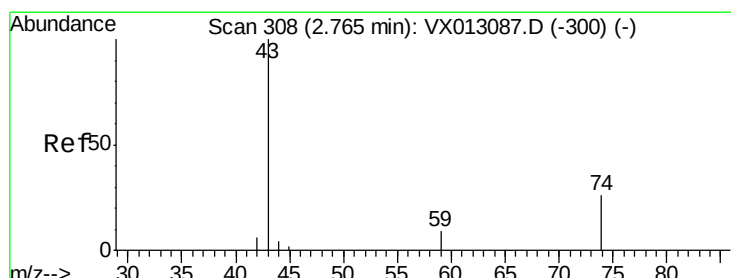
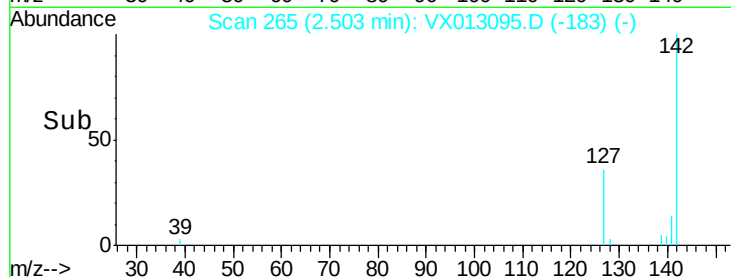
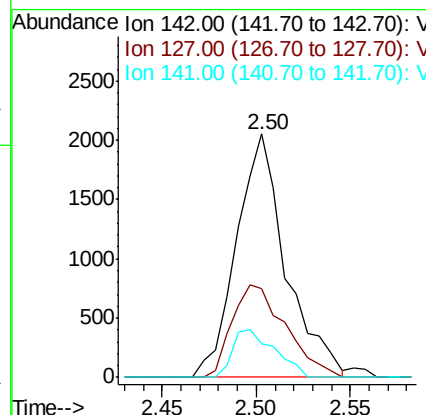
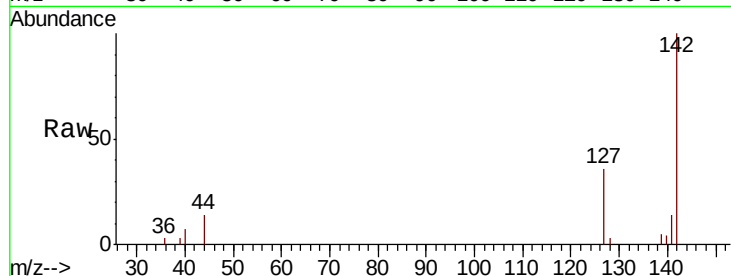
#11
Methvl Iodide
Concen: 1.682 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.8	21.4	64.2
141	14.0	7.3	21.9

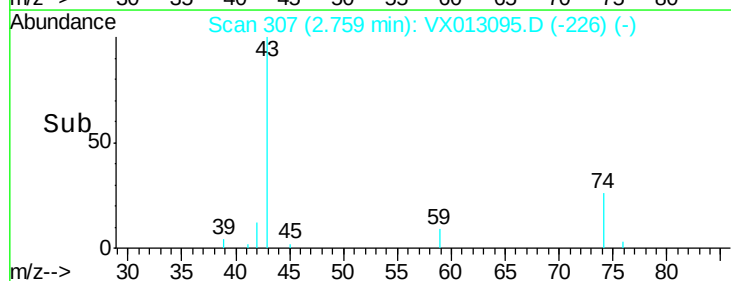
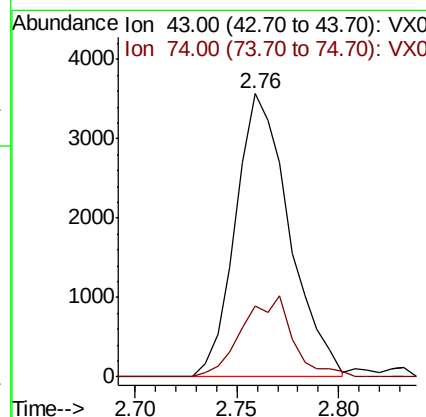
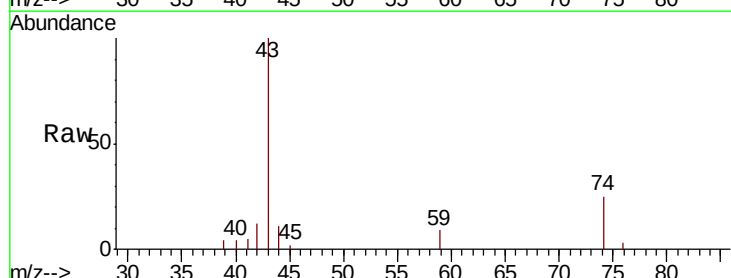
Manual Integrations
APPROVED

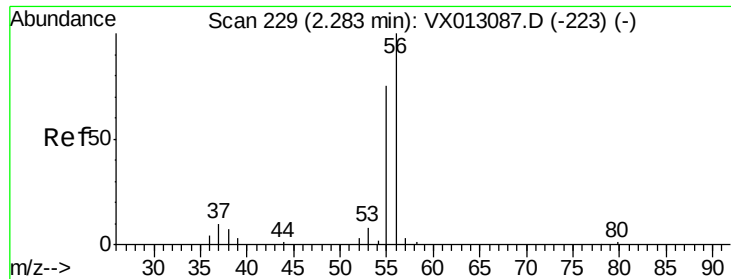
MMDadoda
10/18/2019 4:53:59 PM



#12
Methyl Acetate
Concen: 2.576 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	20.9	31.3





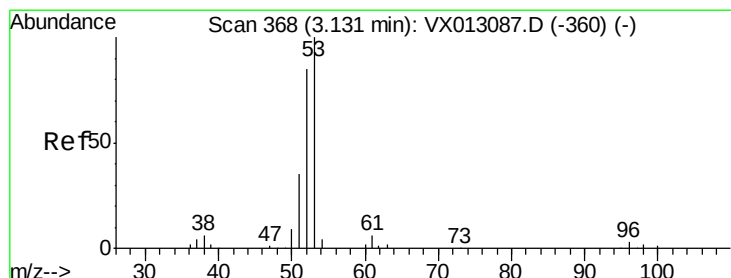
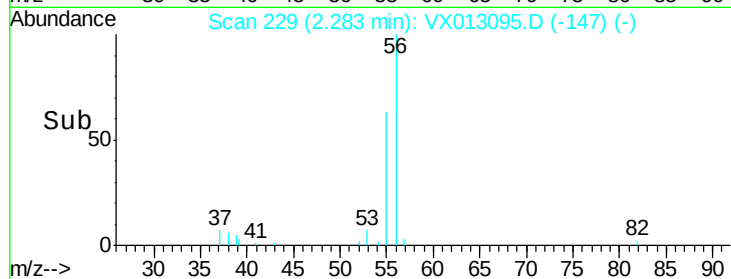
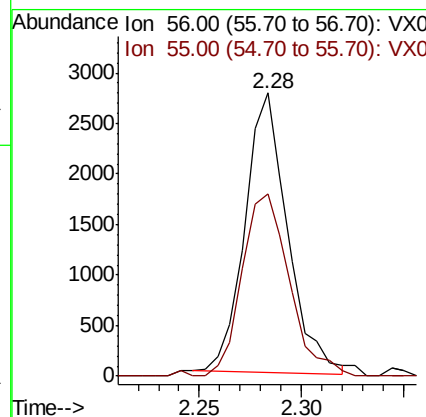
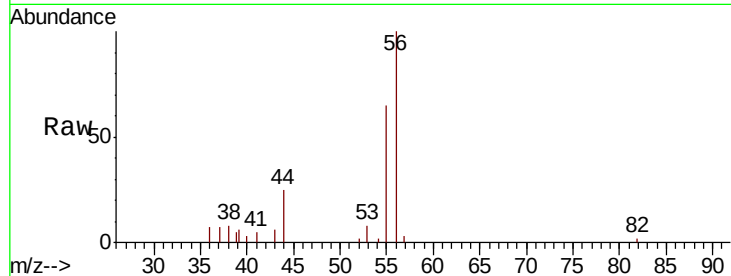
#13
Acrolein
Concen: 10.927 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.9	57.8	86.8	

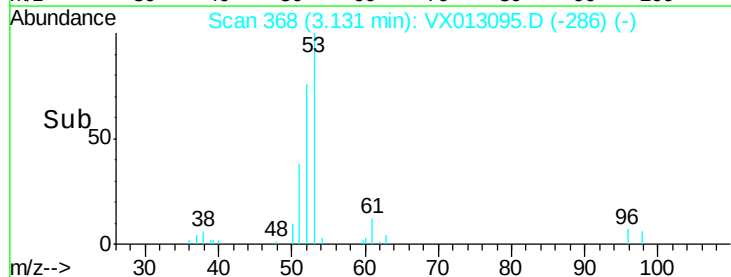
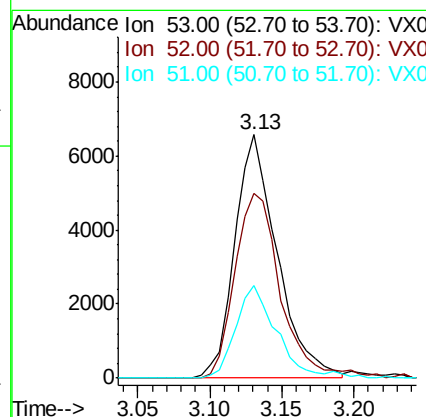
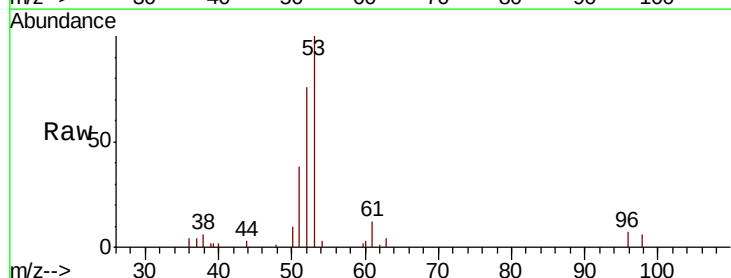
Manual Integrations
APPROVED

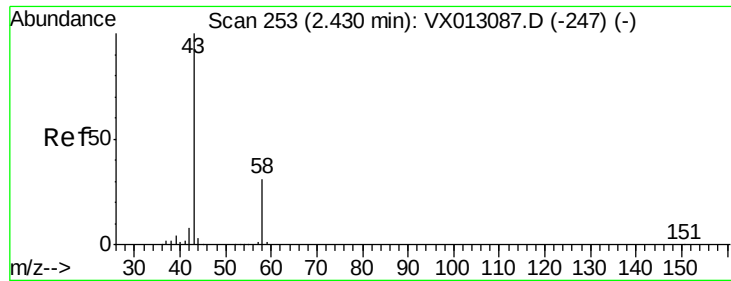
MMDadoda
10/18/2019 4:53:59 PM



#14
Acrylonitrile
Concen: 12.733 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	80.4	41.4	124.2	
51	35.9	18.1	54.4	





#15

Acetone

Concen: 11.647 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 58 Resp: 4366

Ion Ratio Lower Upper

58 100

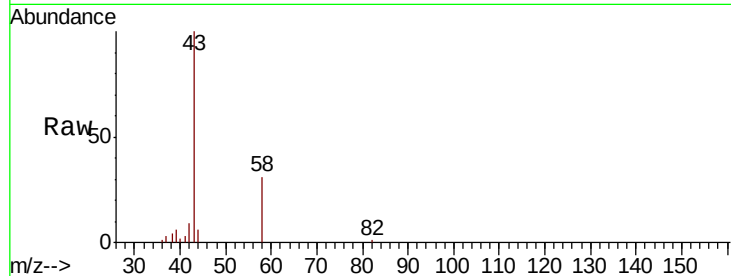
43 320.3 259.5 389.3

Manual Integrations

APPROVED

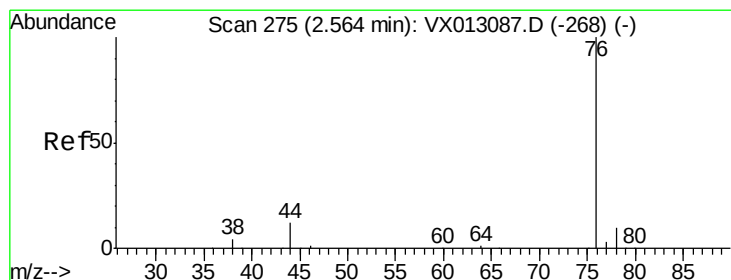
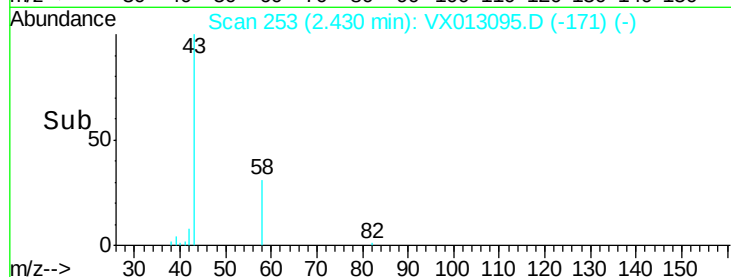
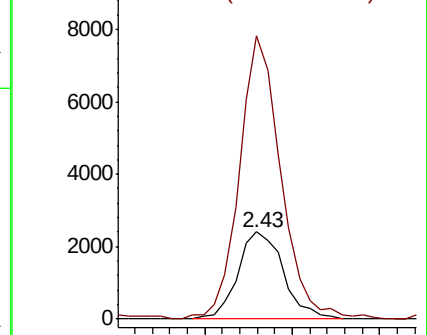
MMDadoda

10/18/2019 4:53:59 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 2.707 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX013095.D

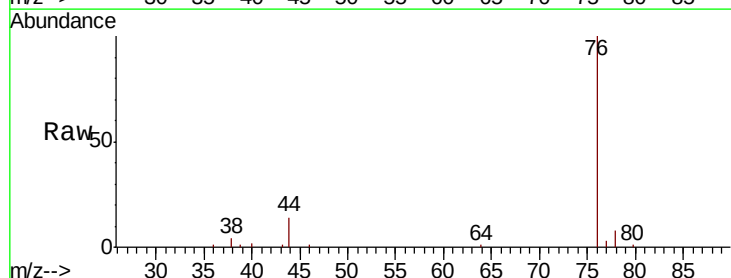
Acq: 16 Oct 2019 14:49

Tgt Ion: 76 Resp: 13281

Ion Ratio Lower Upper

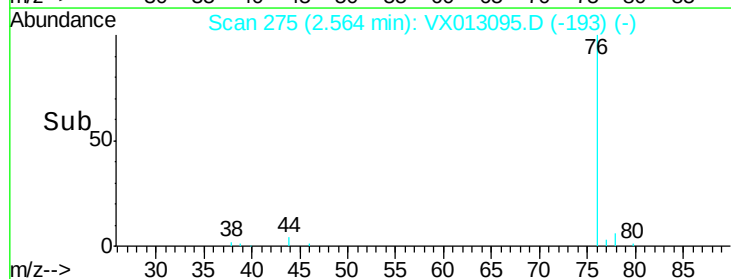
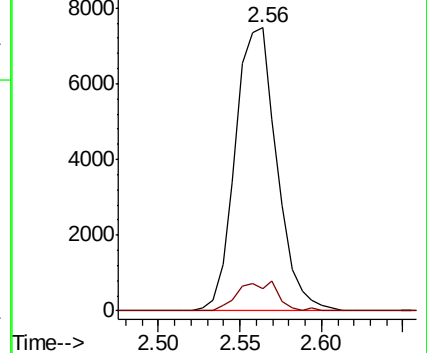
76 100

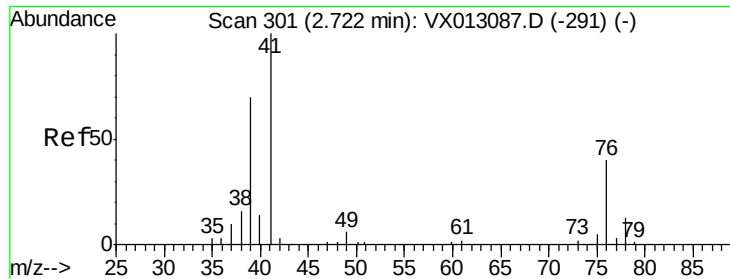
78 7.7 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





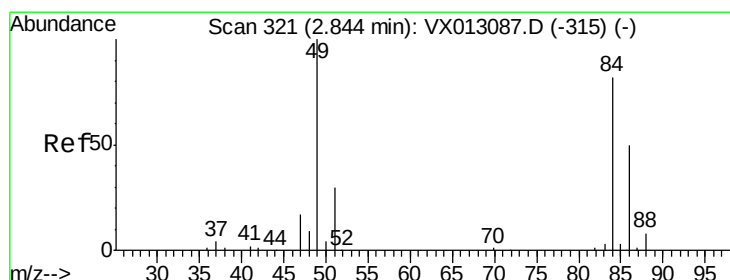
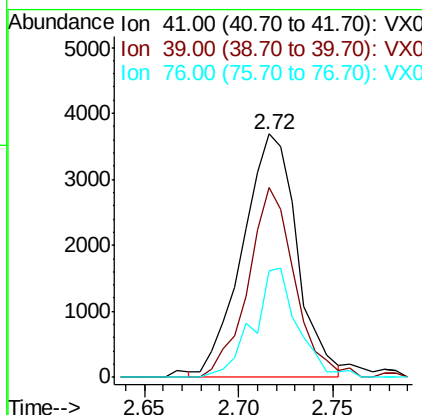
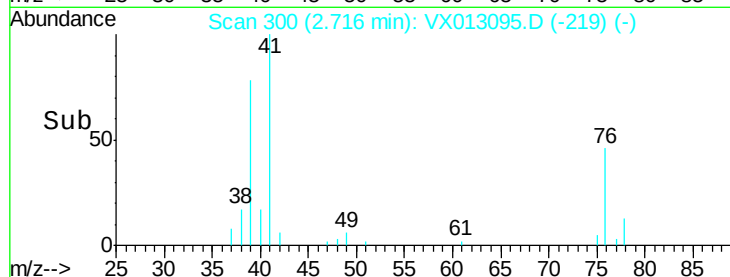
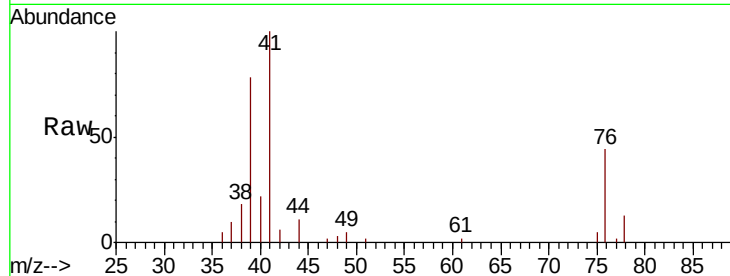
#17
Allvl chloride
Concen: 2.397 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.9	34.8	104.5
76	44.7	20.2	60.5

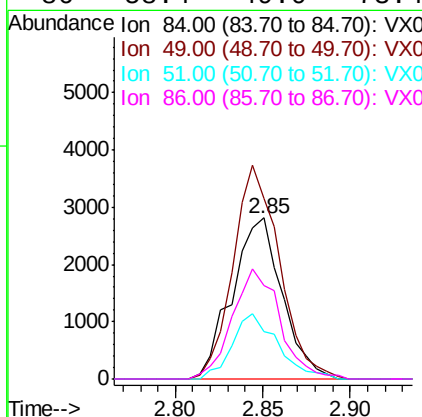
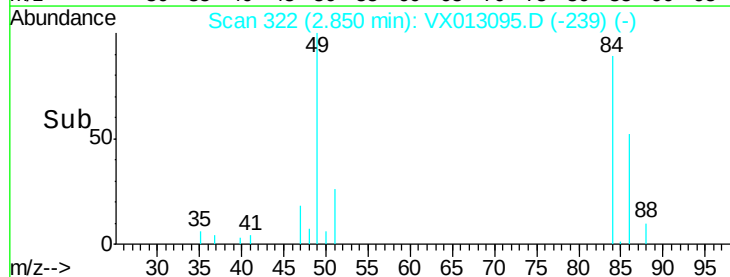
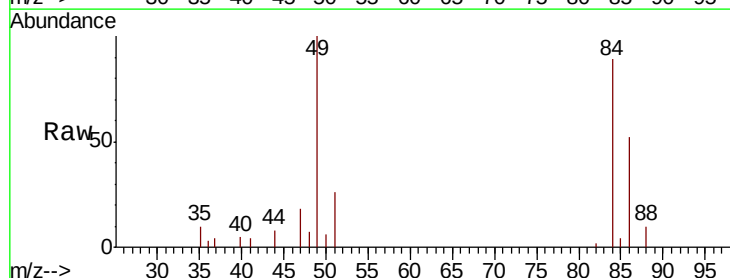
Manual Integrations
APPROVED

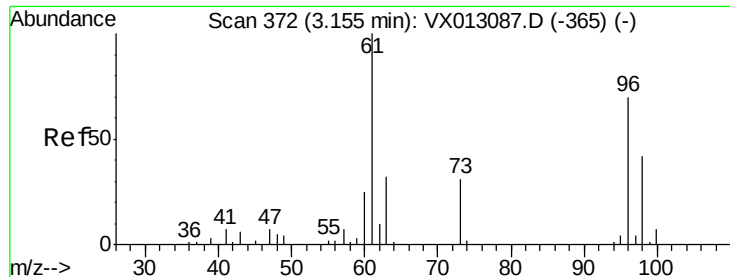
MMDadoda
10/18/2019 4:53:59 PM



#18
Methylene Chloride
Concen: 2.715 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.1	97.8	146.6
51	29.3	29.2	43.8
86	58.4	49.0	73.4





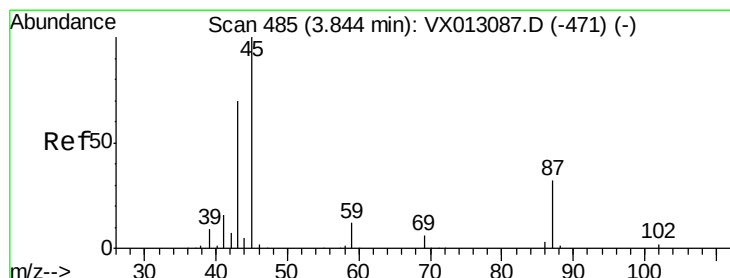
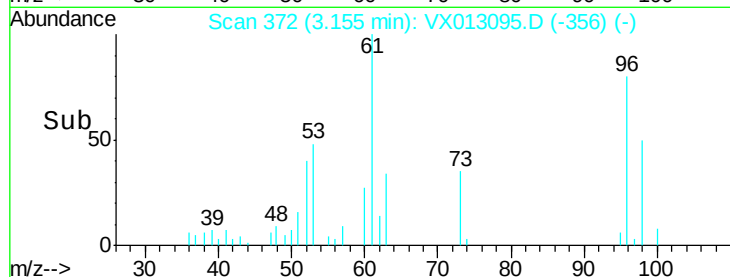
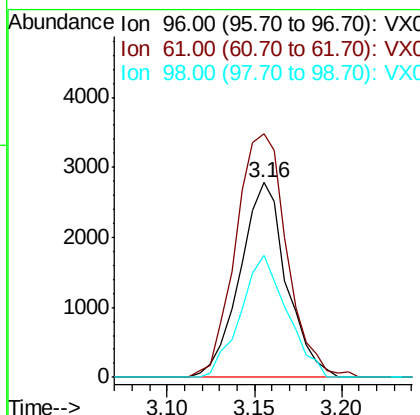
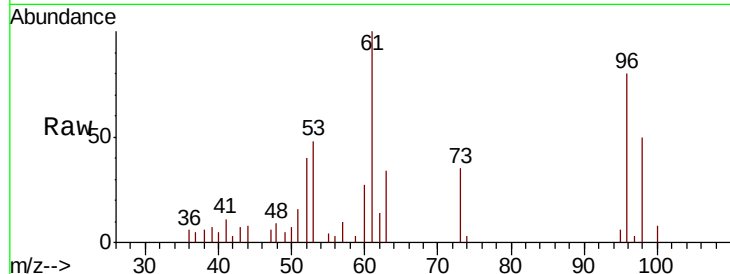
#19
trans-1,2-Dichloroethene
Concen: 2.657 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.1	113.9	170.9
98	62.9	48.1	72.1

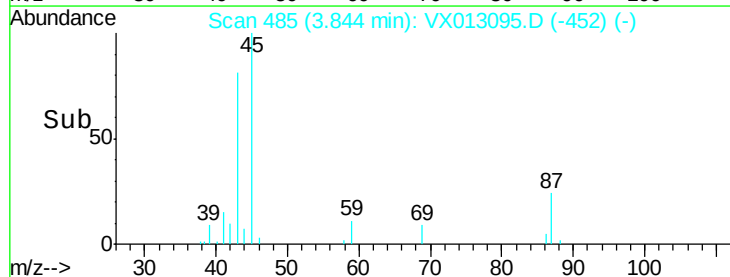
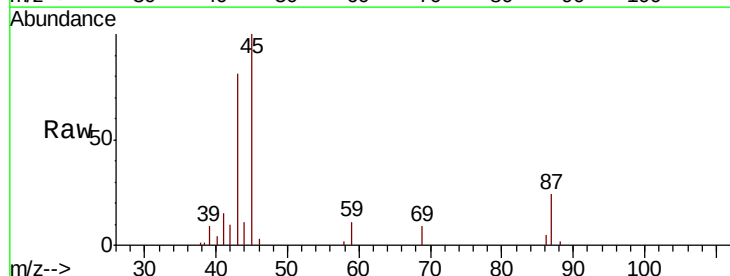
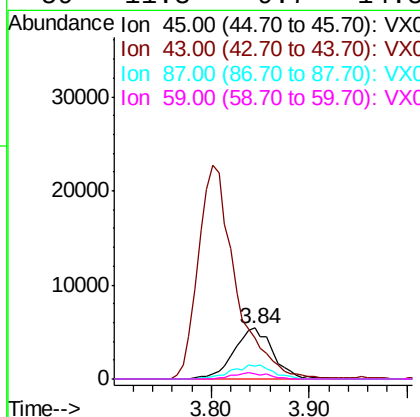
Manual Integrations
APPROVED

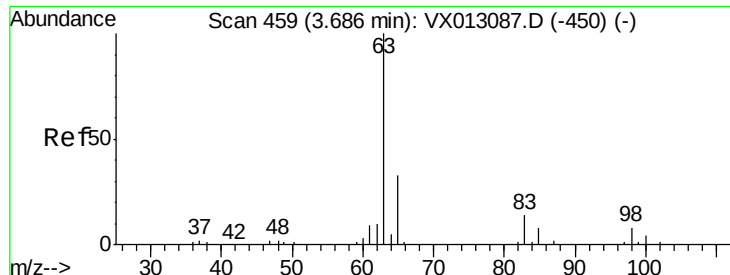
MMDadoda
10/18/2019 4:53:59 PM



#20
Diisopropyl ether
Concen: 2.525 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	78.0	57.5	86.3
87	24.5	25.3	37.9
59	11.3	9.7	14.5





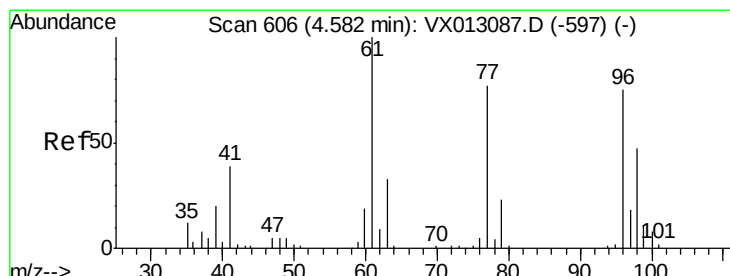
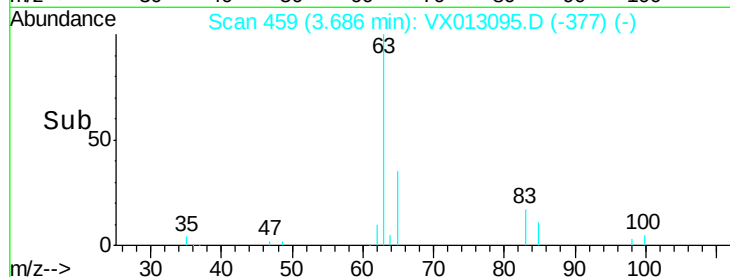
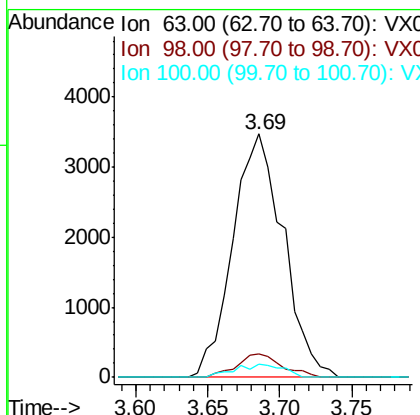
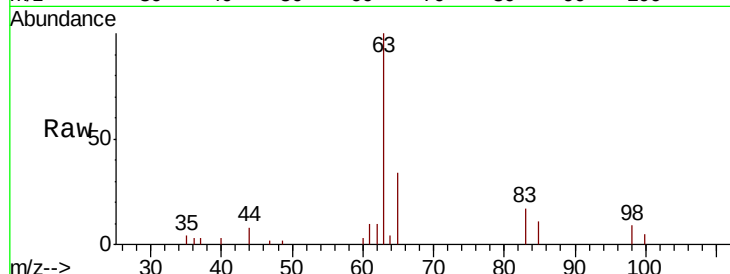
#21
 1,1-Dichloroethane
 Concen: 2.485 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
63	100		
98	9.5	3.8	11.4
100	5.4	2.1	6.5

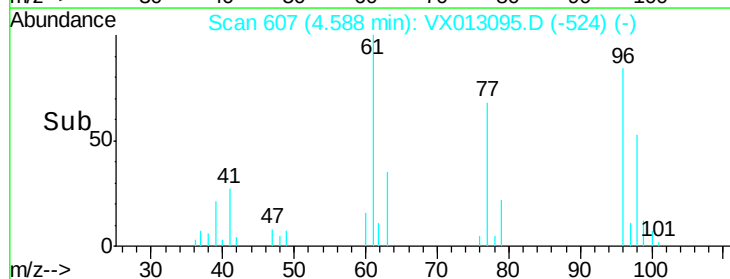
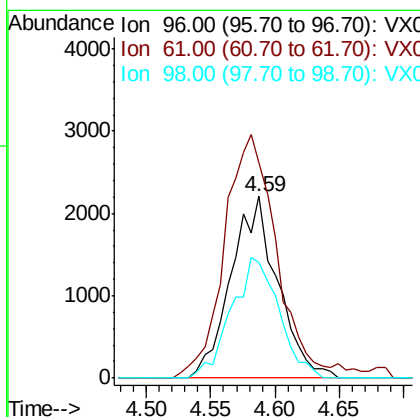
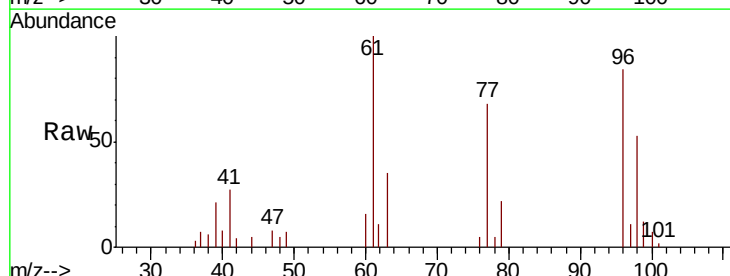
Manual Integrations
 APPROVED

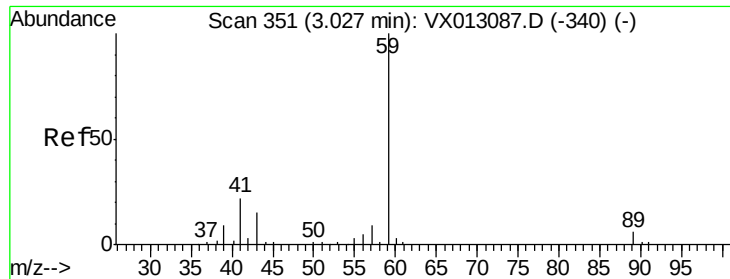
MMDadoda
 10/18/2019 4:53:59 PM



#22
 cis-1,2-Dichloroethene
 Concen: 2.489 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	115.0	172.4
98	67.3	51.5	77.3





#23

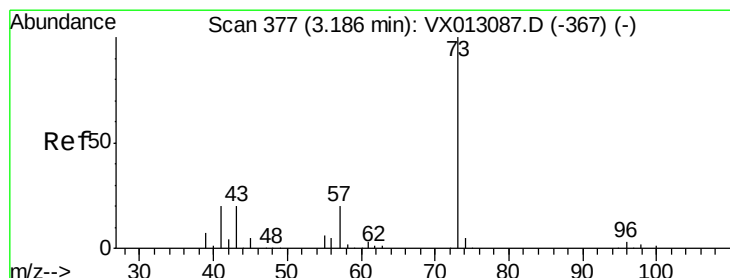
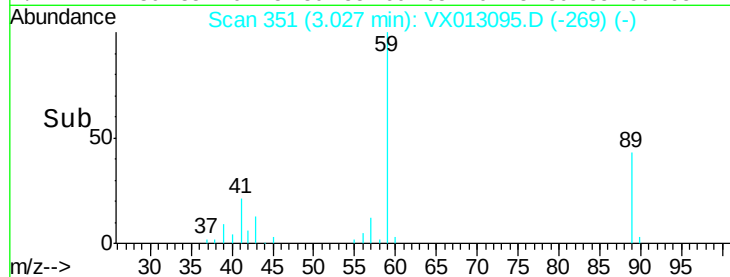
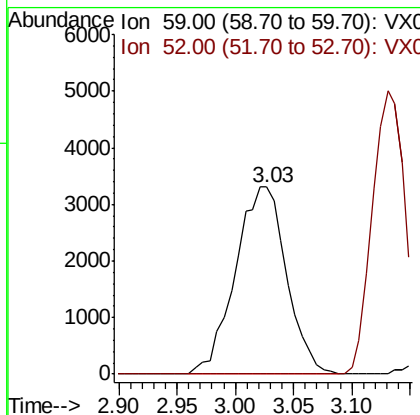
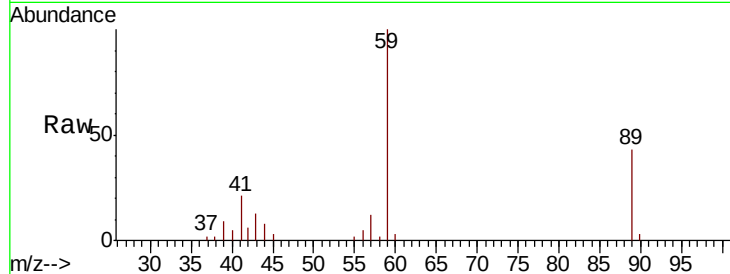
tert-Butyl Alcohol
 Concen: 18.944 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion: 59 Resp: 10135
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
 APPROVED

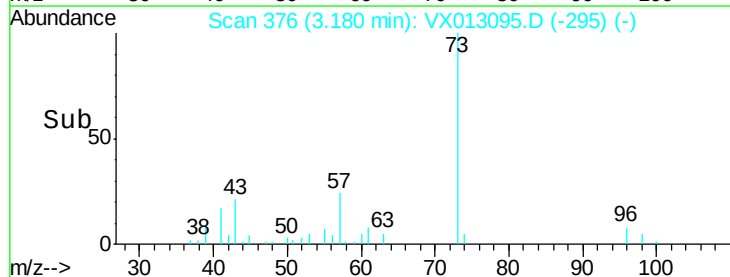
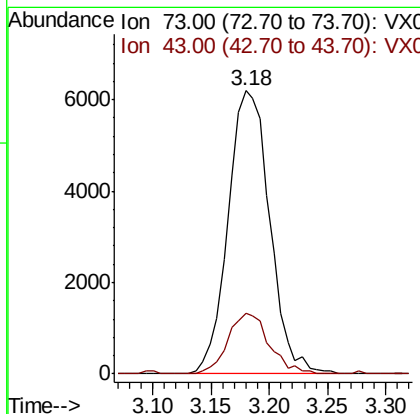
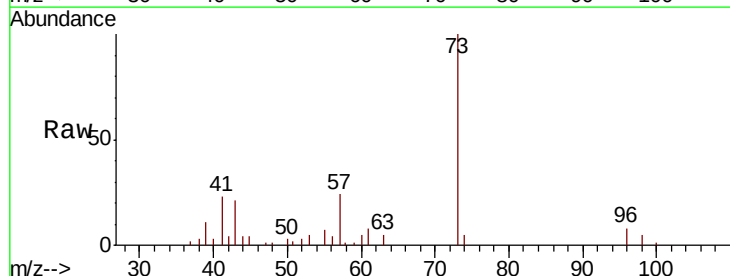
MMDadoda
 10/18/2019 4:53:59 PM

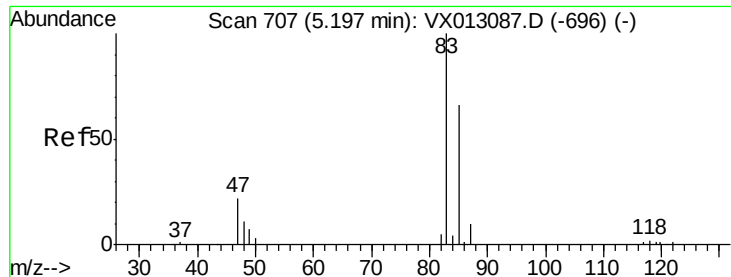


#24

Methyl tert-Butyl Ether
 Concen: 2.493 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 73 Resp: 15414
 Ion Ratio Lower Upper
 73 100
 43 21.3 15.8 23.8





#25

Chloroform

Concen: 2.633 ug/l

RT: 5.19 min Scan# 705

Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 83 Resp: 9273

Ion Ratio Lower Upper

83 100

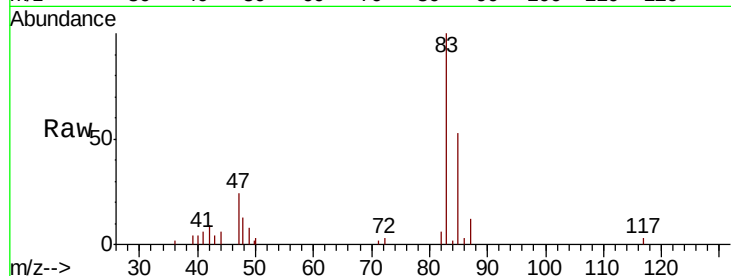
85 53.4 53.0 79.6

Manual Integrations

APPROVED

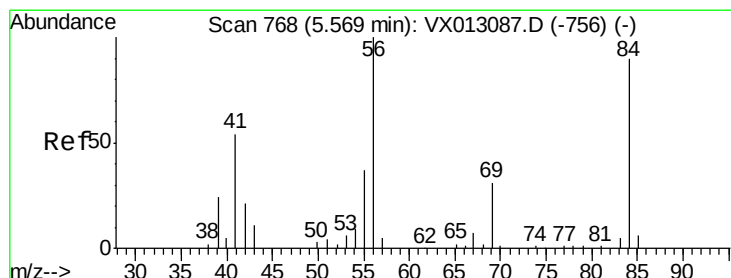
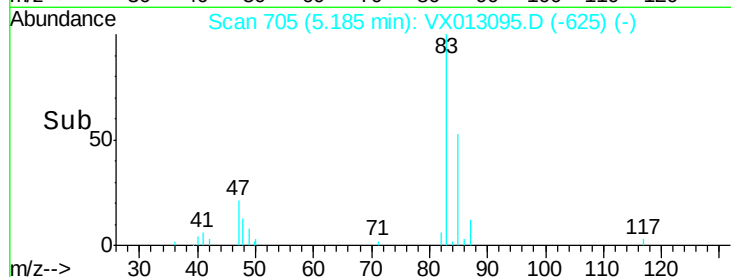
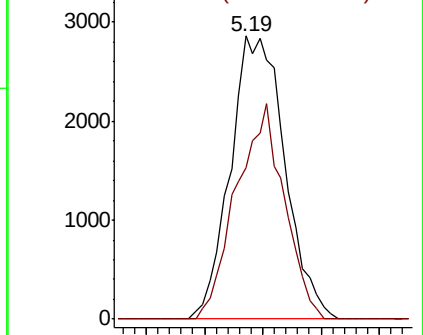
MMDadoda

10/18/2019 4:53:59 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 2.489 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

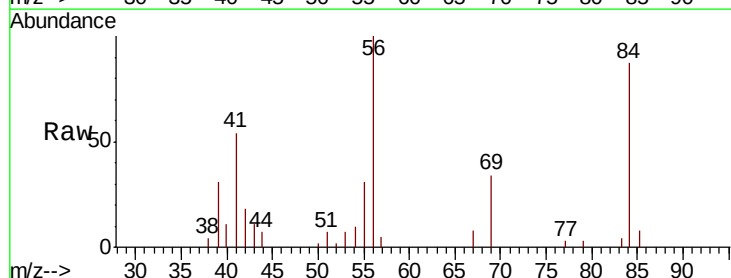
Tgt Ion: 56 Resp: 7703

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

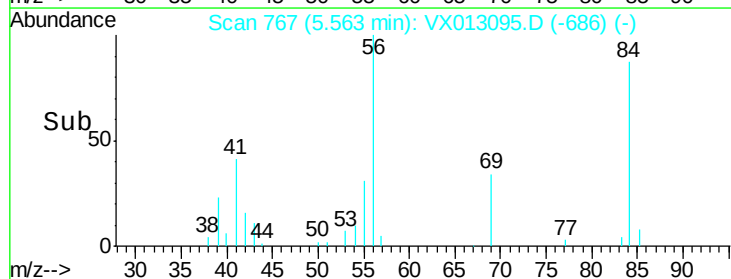
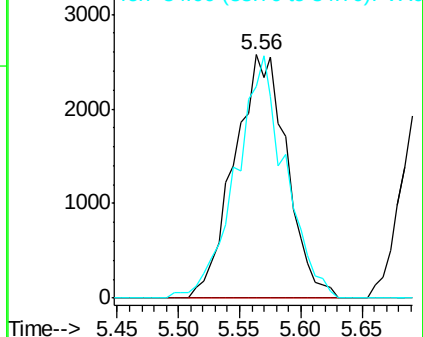
84 92.5 71.3 106.9

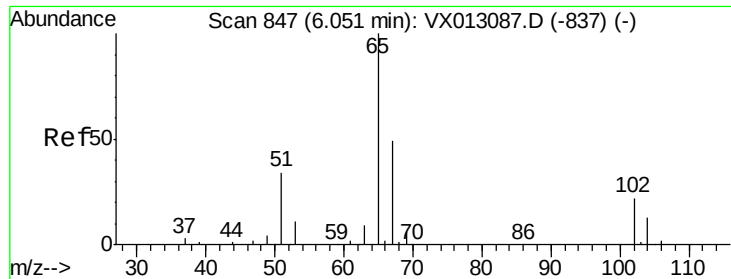


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





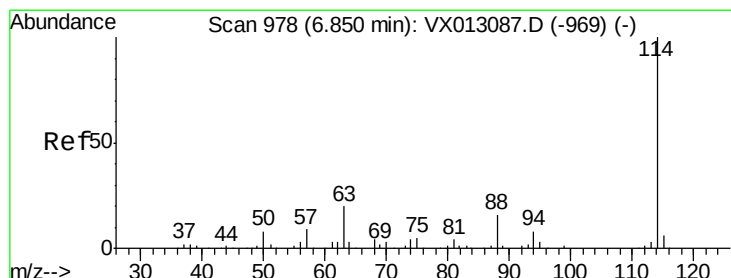
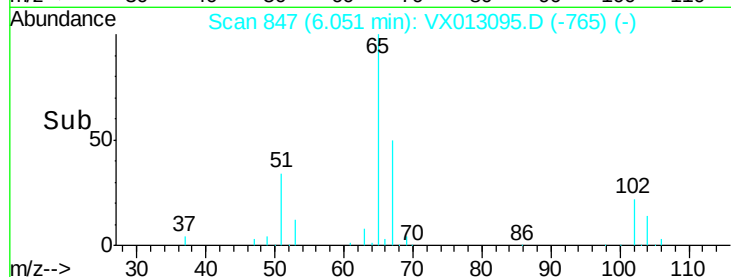
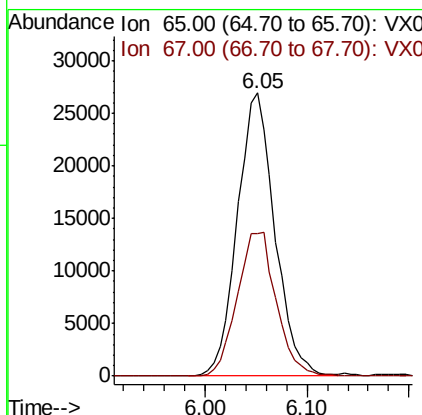
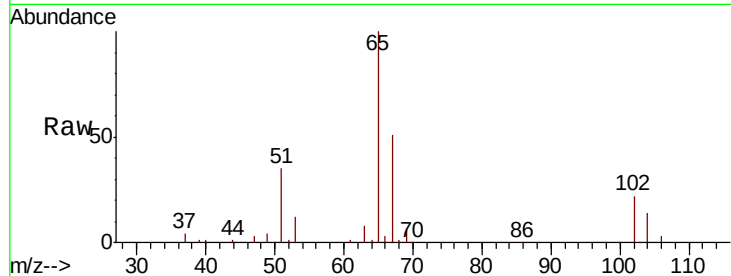
#27
 1,2-Dichloroethane-d4
 Concen: 29.734 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion: 65 Resp: 68772
 Ion Ratio Lower Upper
 65 100
 67 52.8 41.2 61.8

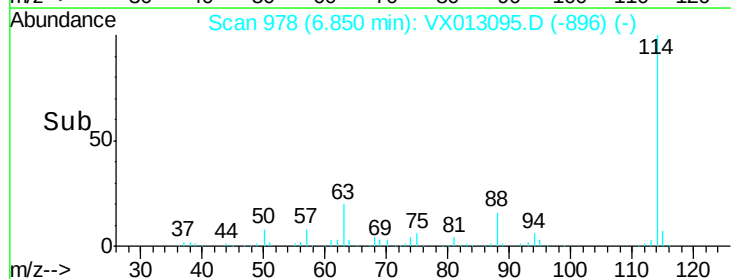
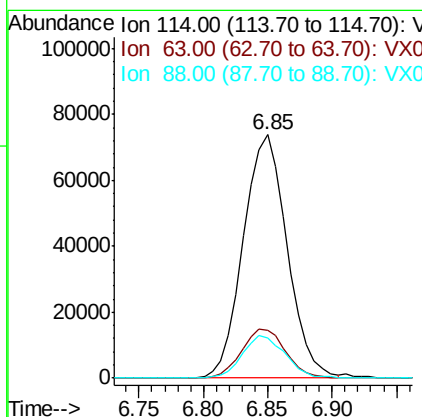
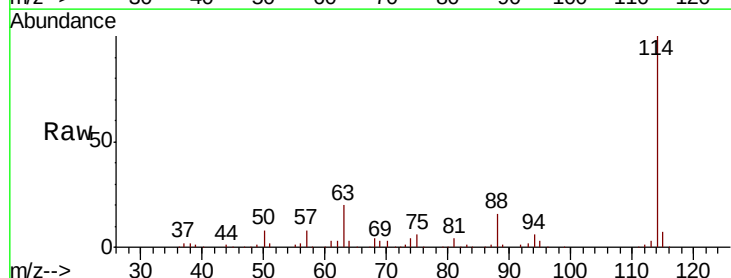
Manual Integrations
 APPROVED

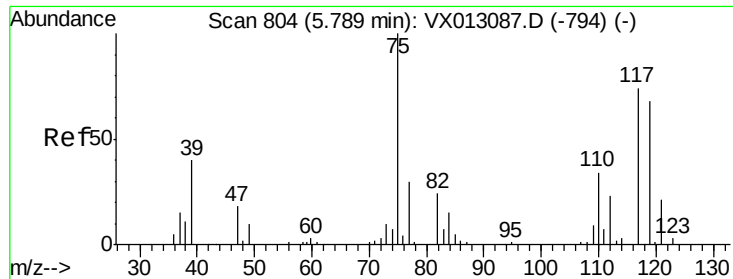
MMDadoda
 10/18/2019 4:53:59 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 114 Resp: 173937
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.5 24.7
 88 17.1 13.6 20.4





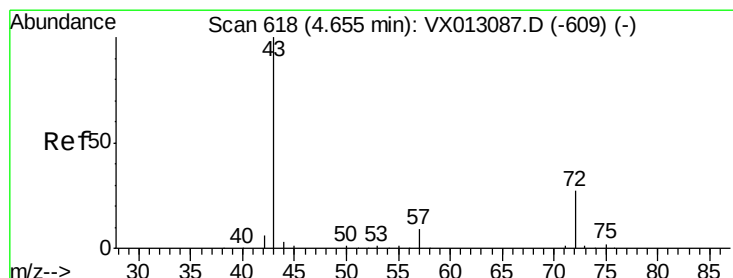
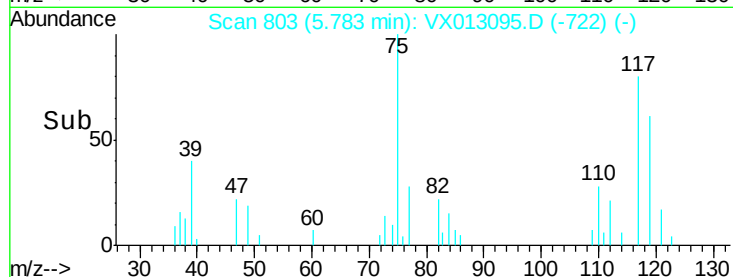
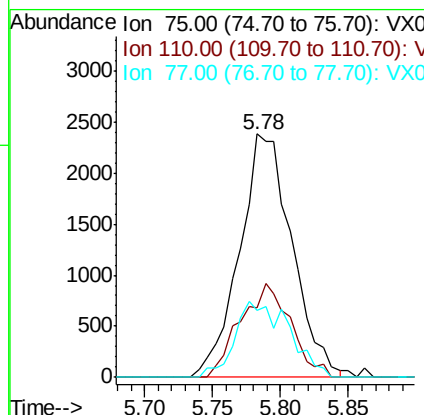
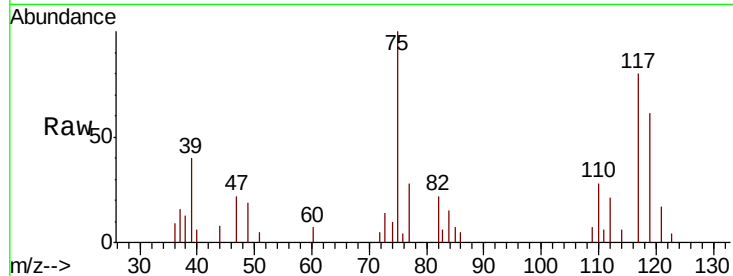
#29
 1,1-Dichloropropene
 Concen: 2.423 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	72.2
77	16.8	0.0	62.8

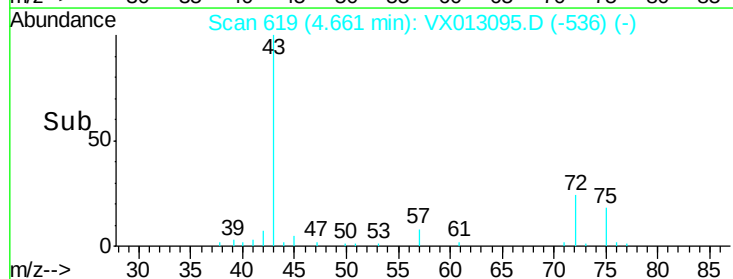
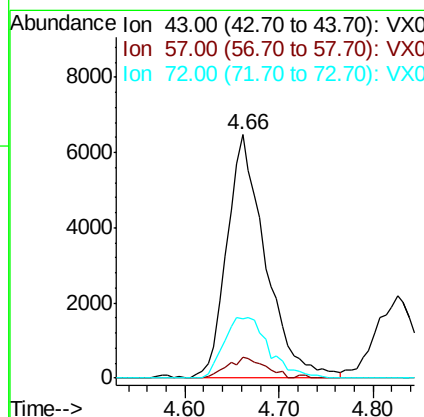
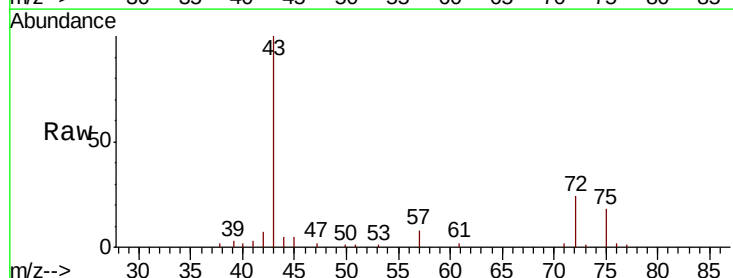
Manual Integrations
 APPROVED

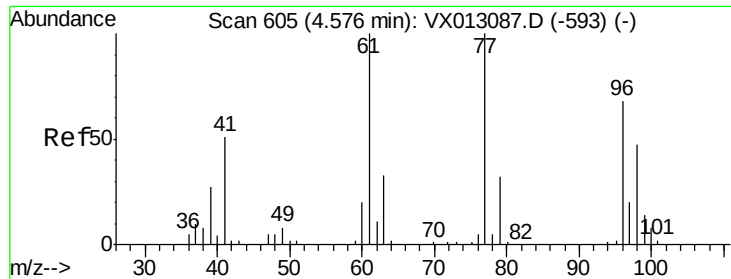
MMDadoda
 10/18/2019 4:53:59 PM



#30
 2-Butanone
 Concen: 11.842 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.9	10.3
72	13.5	22.1	33.1#





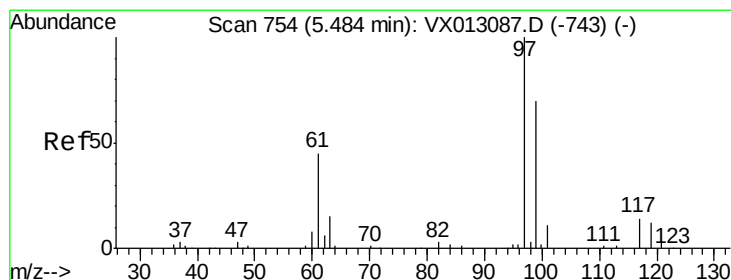
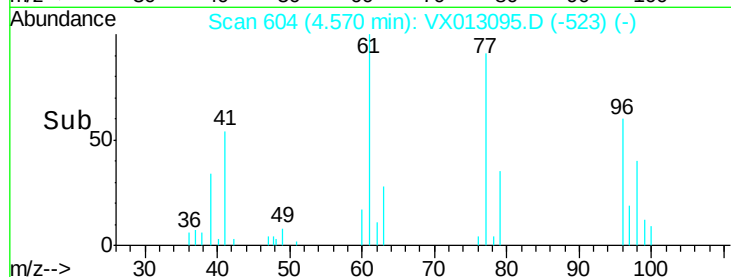
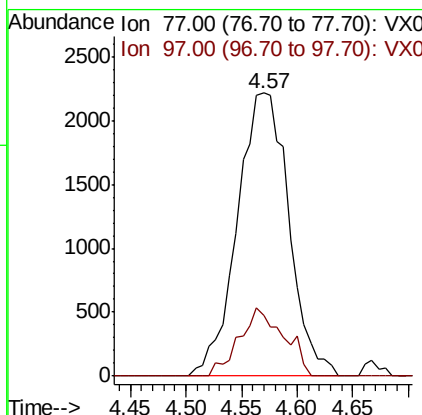
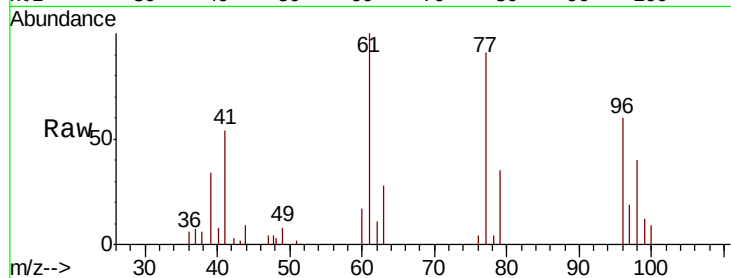
#31
 2,2-Dichloropropane
 Concen: 2.375 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion: 77 Resp: 7128
 Ion Ratio Lower Upper
 77 100
 97 17.8 17.8 26.6

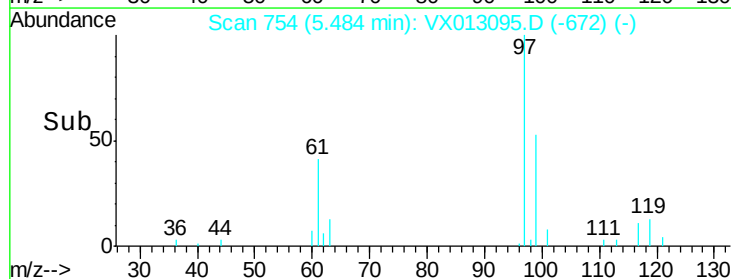
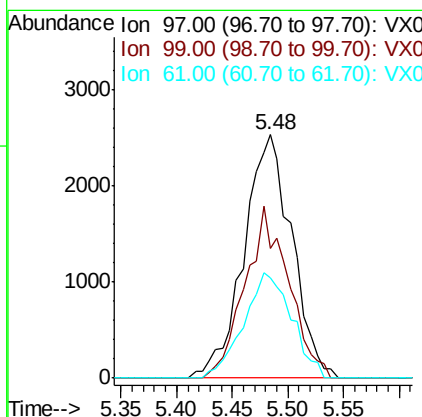
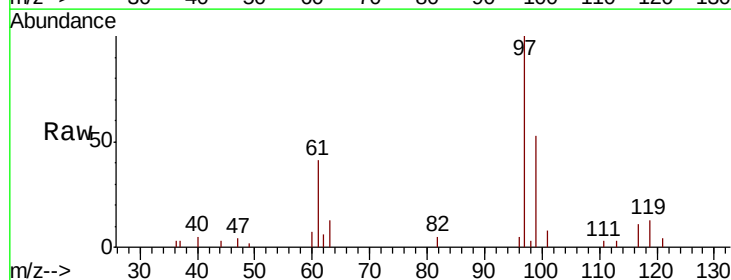
Manual Integrations
 APPROVED

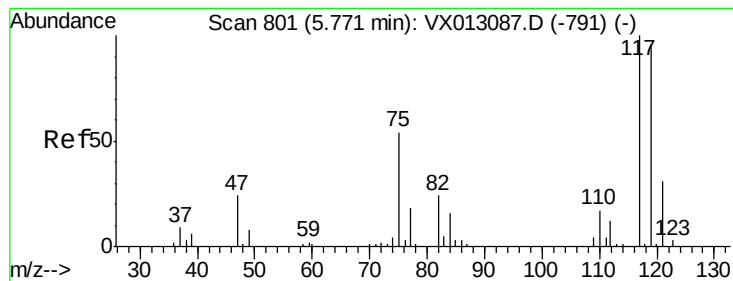
MMDadoda
 10/18/2019 4:53:59 PM



#32
 1,1,1-Trichloroethane
 Concen: 2.453 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 97 Resp: 7612
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.4 78.6
 61 43.2 35.1 52.7





#33

Carbon Tetrachloride

Concen: 2.213 ug/l m

RT: 5.77 min Scan# 801

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

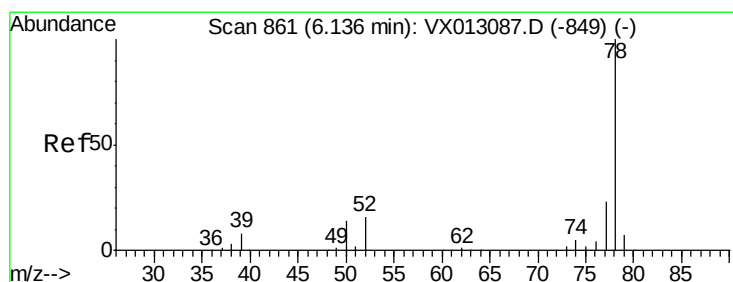
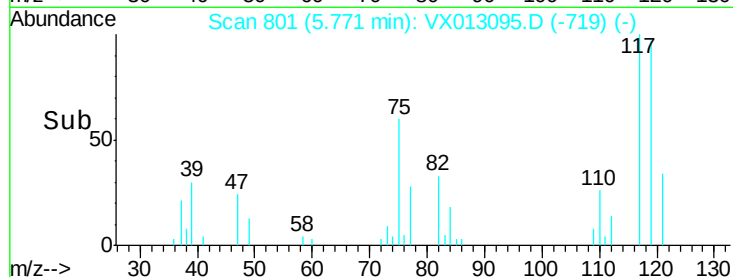
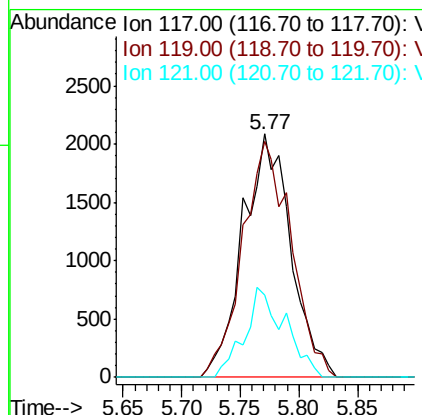
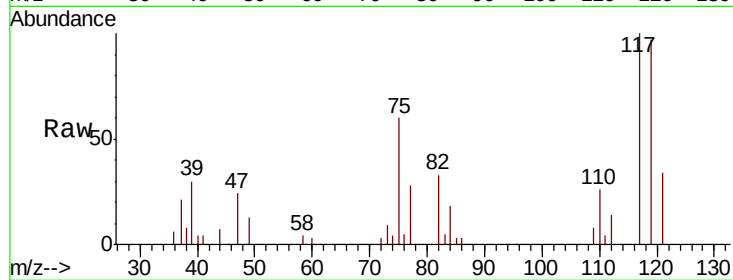
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	117	Resp:	5893
Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.4
121	34.0	24.6	36.8

Manual Integrations
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#34

Benzene

Concen: 2.595 ug/l

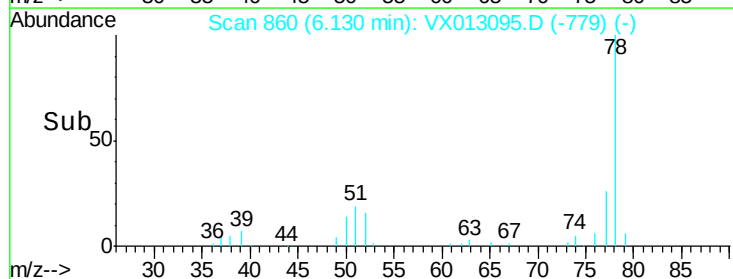
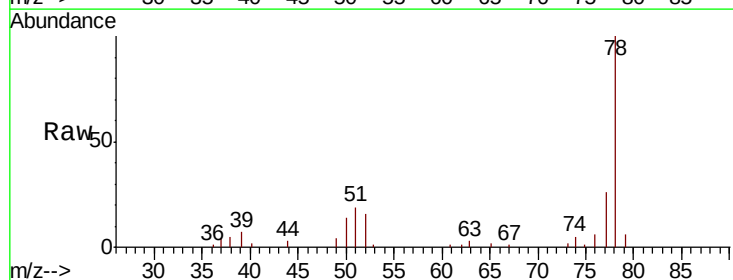
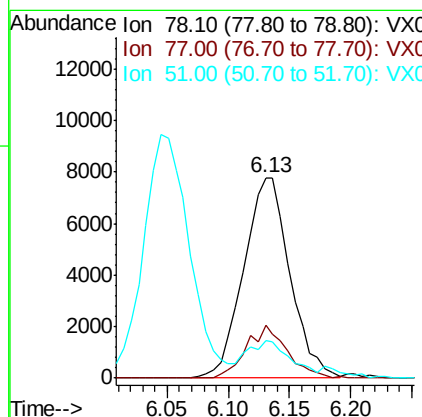
RT: 6.13 min Scan# 860

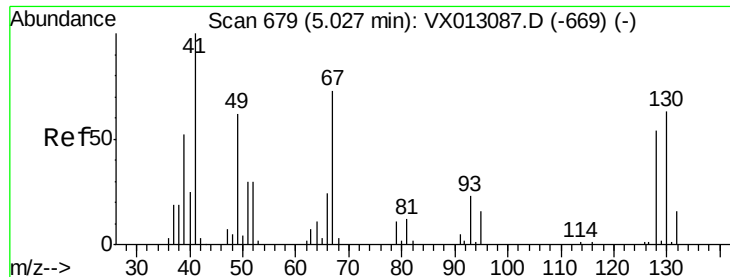
Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	78	Resp:	20442
Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.5	27.7
51	15.8	12.1	18.1





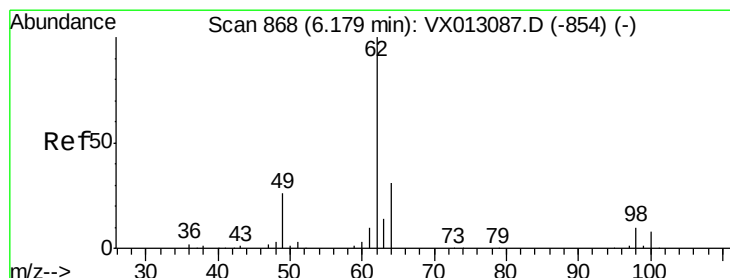
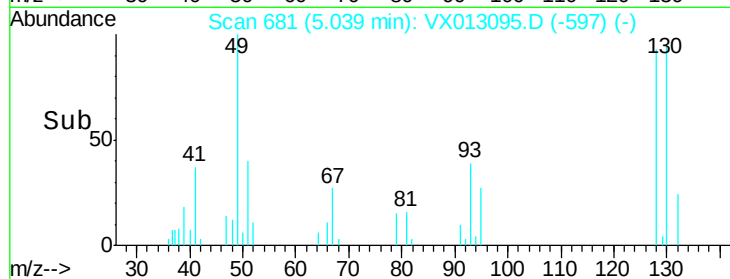
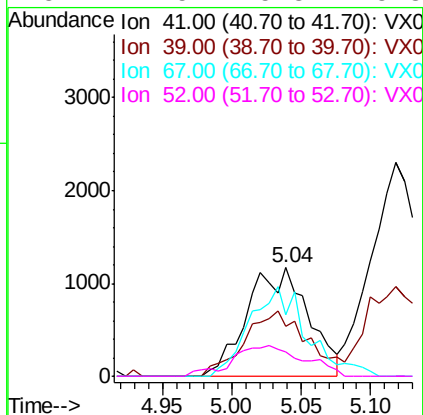
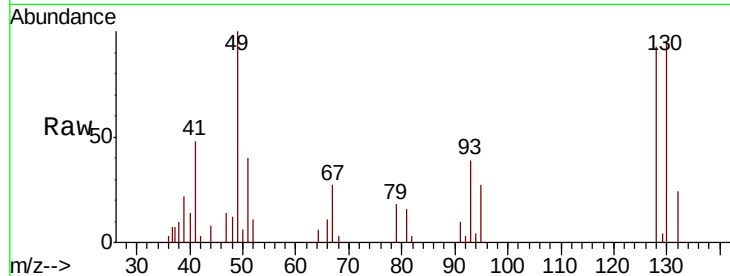
#35
Methacrylonitrile
Concen: 2.345 ug/l m
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion:	41	Resp:	3593
Ion	Ratio	Lower	Upper
41	100		
39	46.7	26.3	78.8
67	56.8	36.5	109.5
52	22.5	15.3	45.8

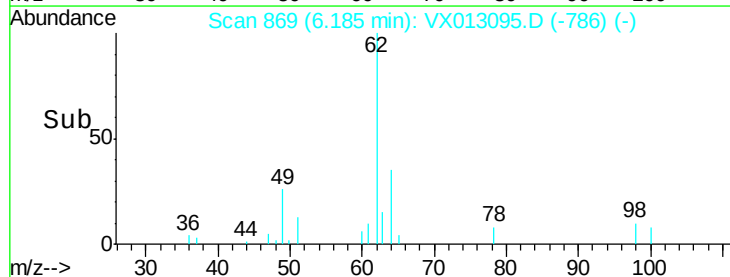
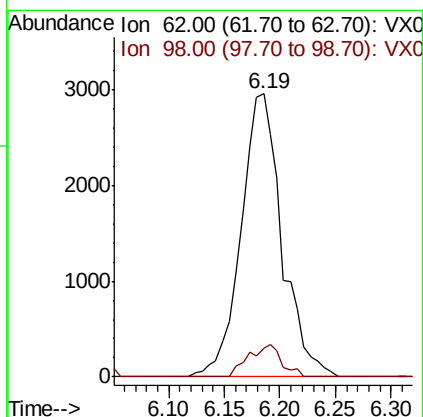
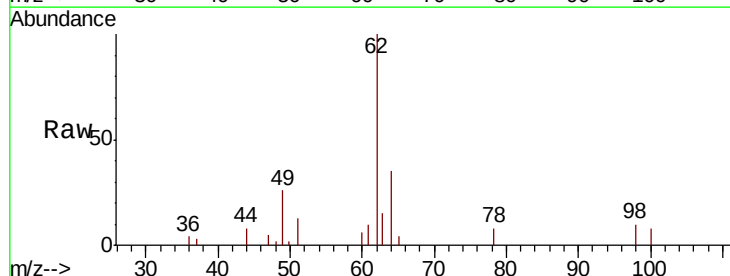
Manual Integrations
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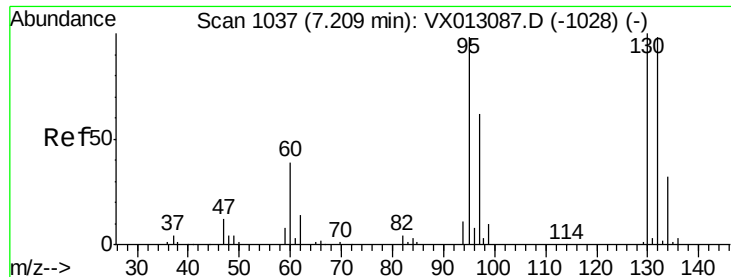
MMDadoda
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#36
1,2-Dichloroethane
Concen: 2.653 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion:	62	Resp:	7555
Ion	Ratio	Lower	Upper
62	100		
98	8.9	7.8	11.6





#37

Trichloroethene

Concen: 2.423 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:130 Resp: 5098

Ion Ratio Lower Upper

130 100

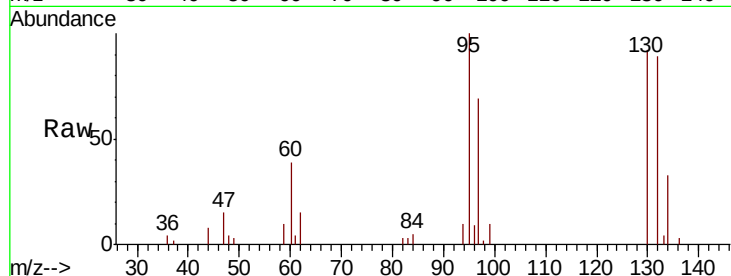
95 108.4 78.4 117.6

Manual Integrations

APPROVED

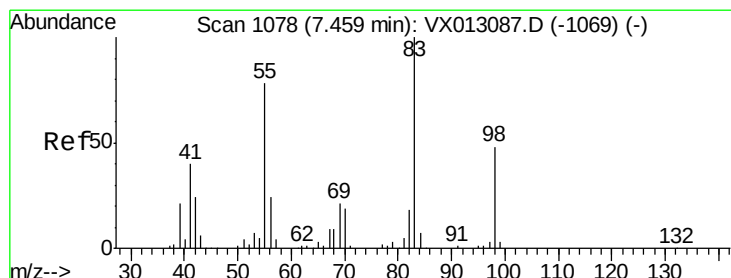
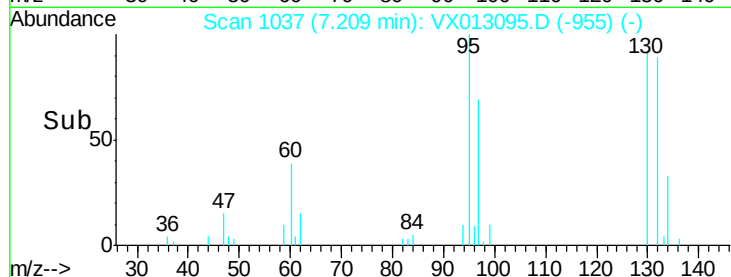
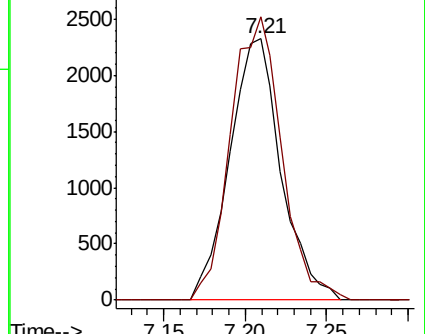
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 2.372 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

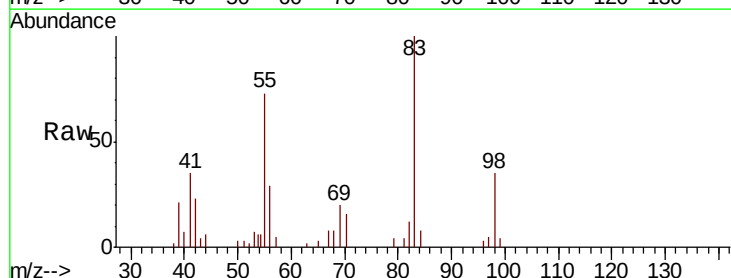
Tgt Ion: 83 Resp: 7701

Ion Ratio Lower Upper

83 100

55 81.7 38.3 114.8

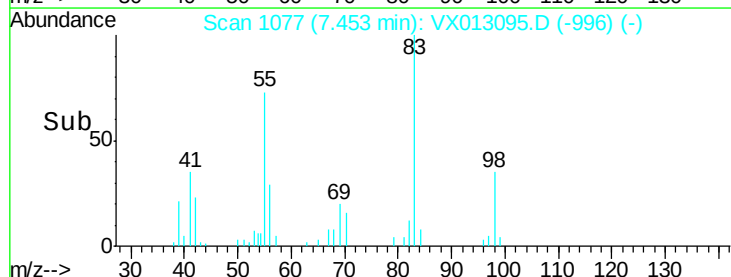
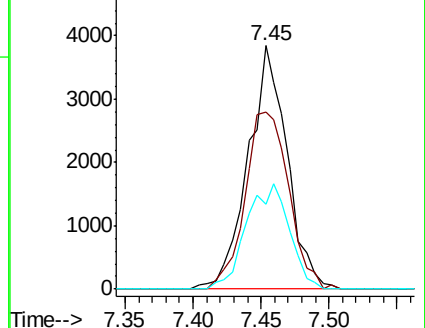
98 47.9 24.9 74.7

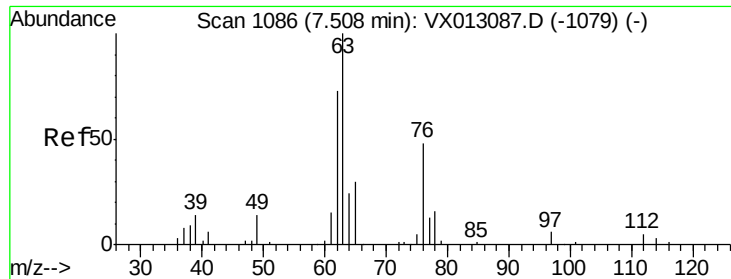


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





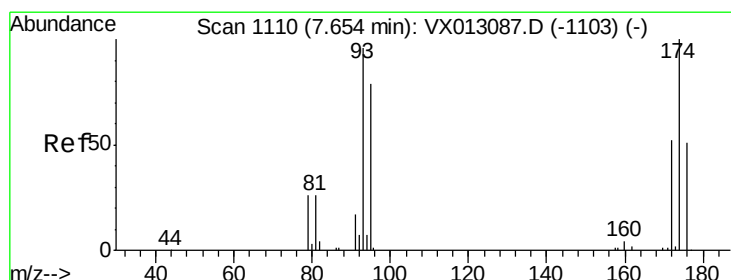
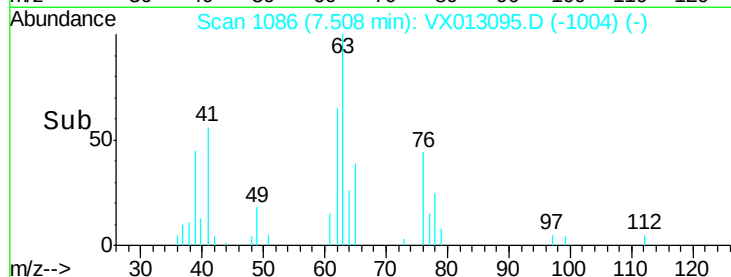
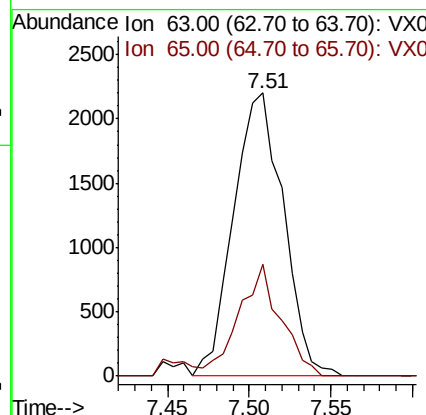
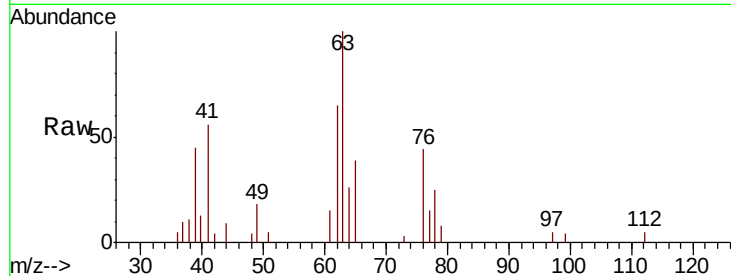
#39
 1,2-Dichloropropane
 Concen: 2.375 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion: 63 Resp: 4698
 Ion Ratio Lower Upper
 63 100
 65 39.4 25.6 38.4#

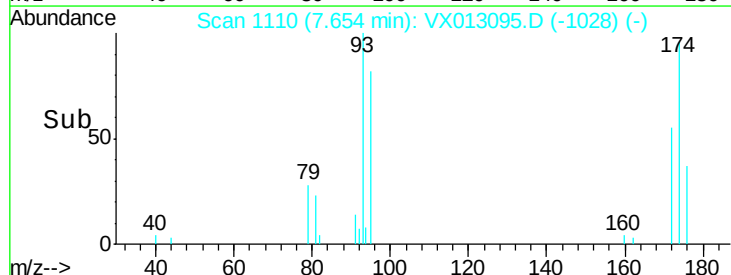
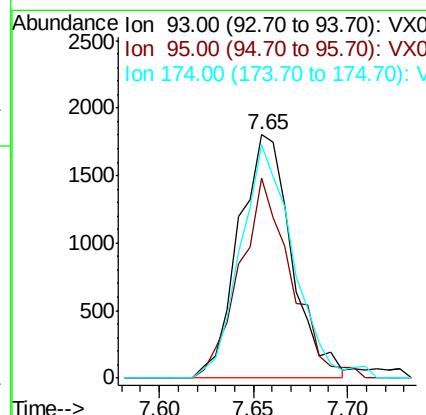
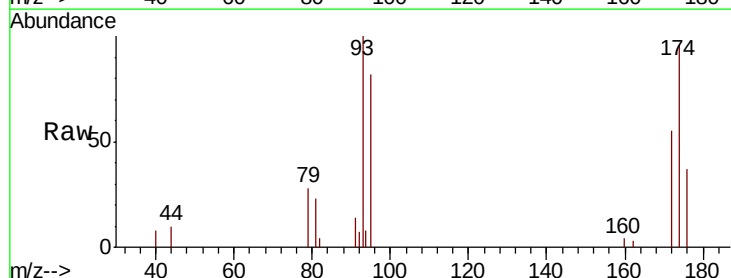
Manual Integrations
 APPROVED

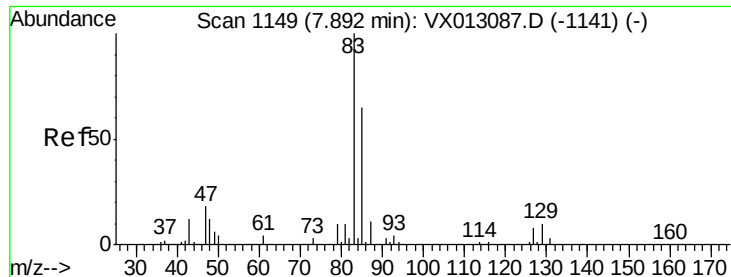
MMDadoda
 10/18/2019 4:53:59 PM



#40
 Dibromomethane
 Concen: 2.617 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion: 93 Resp: 3516
 Ion Ratio Lower Upper
 93 100
 95 79.0 0.0 171.2
 174 94.1 0.0 208.2





#41

Bromodichloromethane

Concen: 2.251 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

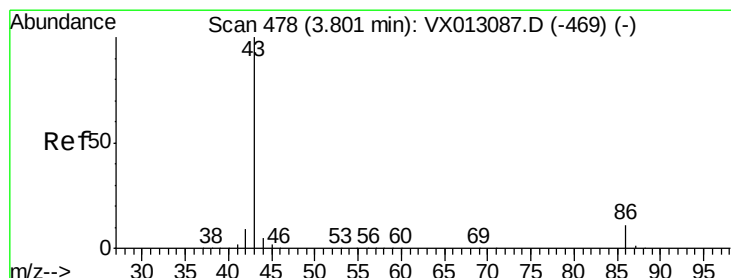
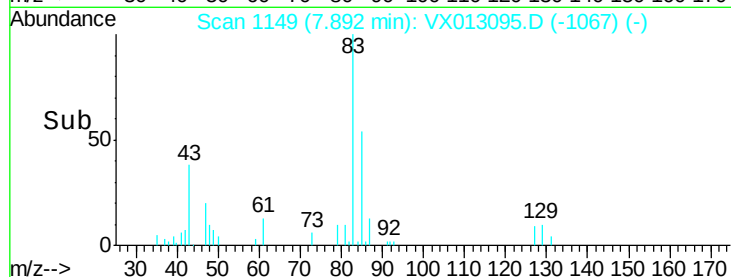
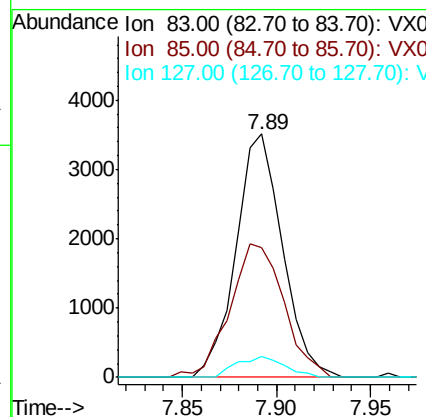
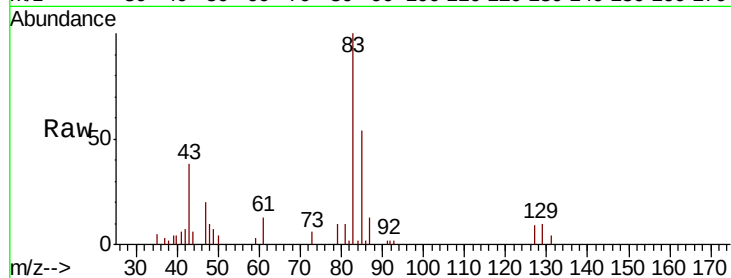
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	83	Resp:	6005
Ion	Ratio	Lower	Upper
83	100		
85	53.5	51.8	77.8
127	8.8	6.7	10.1

Manual Integrations
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MMDadoda
10/18/2019 4:53:59 PM



#42

Vinyl Acetate

Concen: 11.784 ug/l

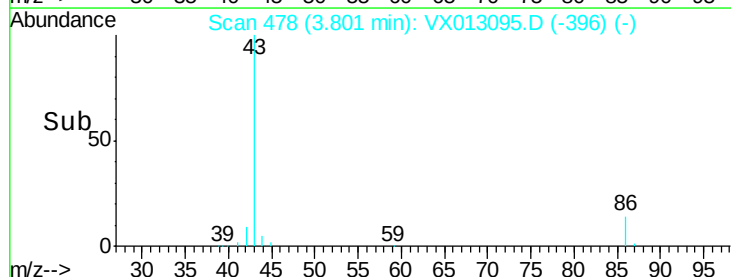
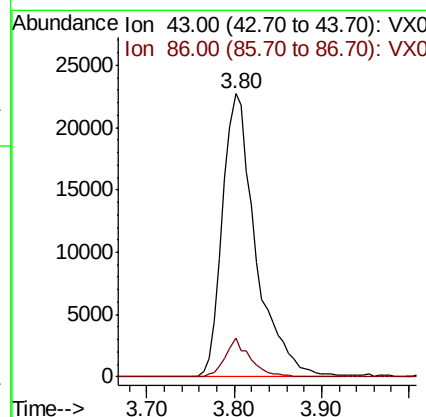
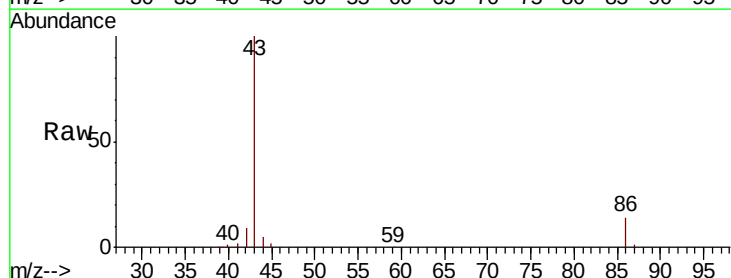
RT: 3.80 min Scan# 478

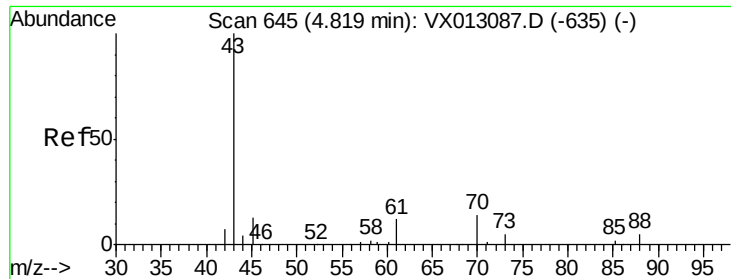
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	43	Resp:	60308
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2





#43

Ethyl Acetate

Concen: 2.062 ug/l

RT: 4.83 min Scan# 646

Delta R.T. 0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 5798

Ion Ratio Lower Upper

43 100

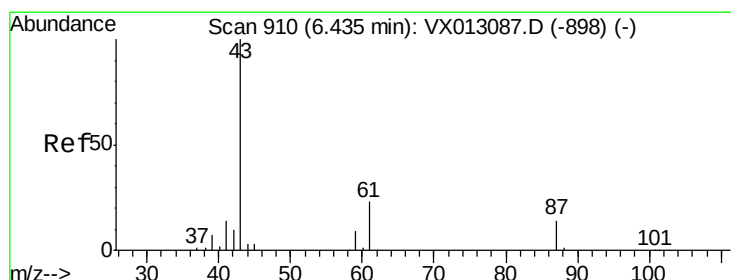
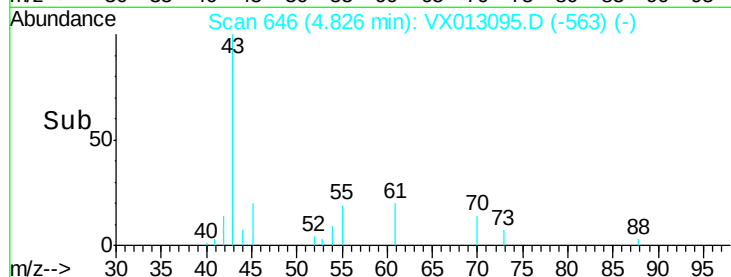
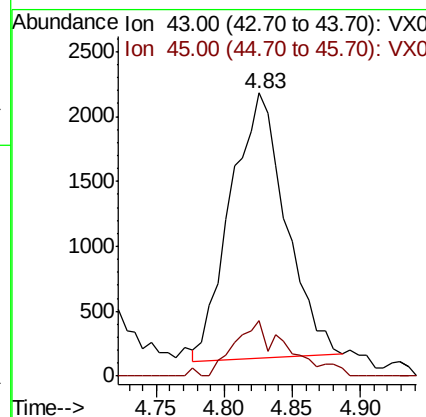
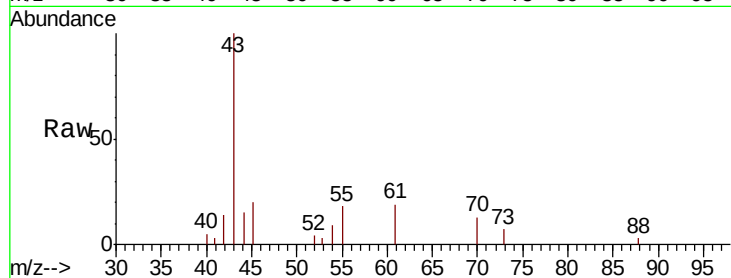
45 11.6 12.8 19.2#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 2.386 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013095.D

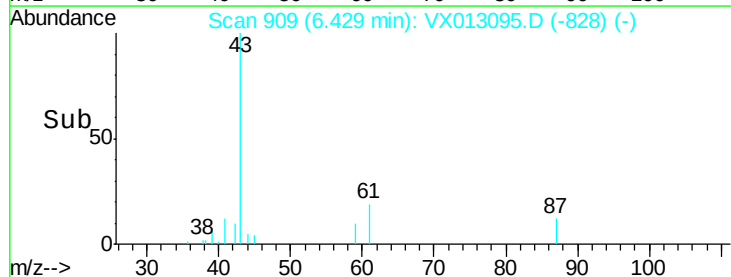
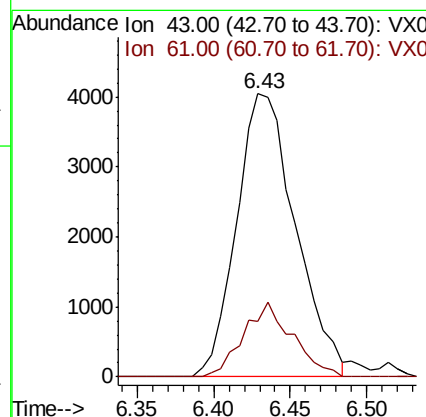
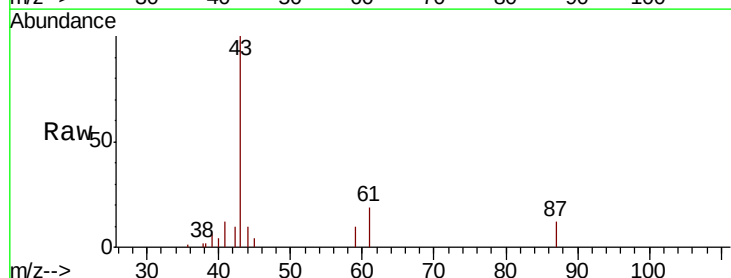
Acq: 16 Oct 2019 14:49

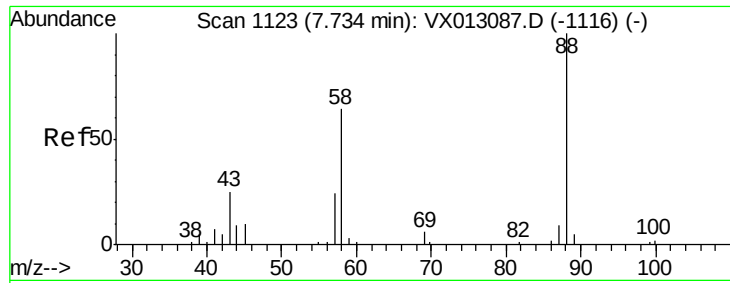
Tgt Ion: 43 Resp: 10821

Ion Ratio Lower Upper

43 100

61 21.9 16.7 25.1





#45

1,4-Dioxane

Concen: 48.510 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

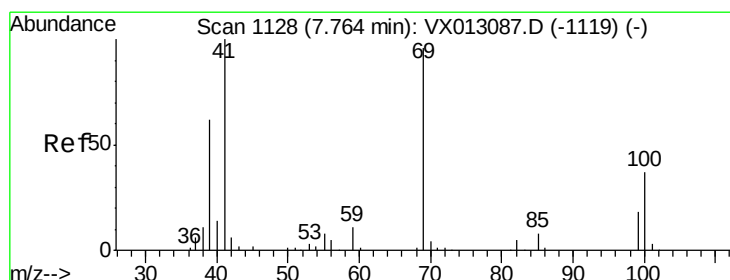
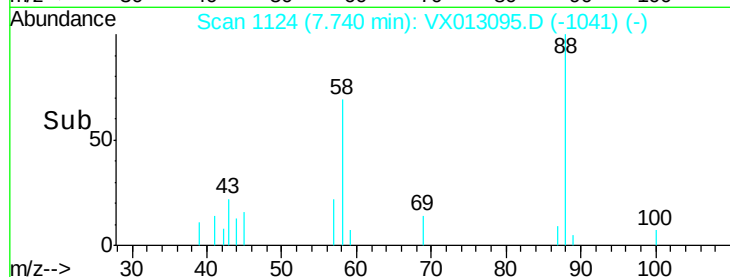
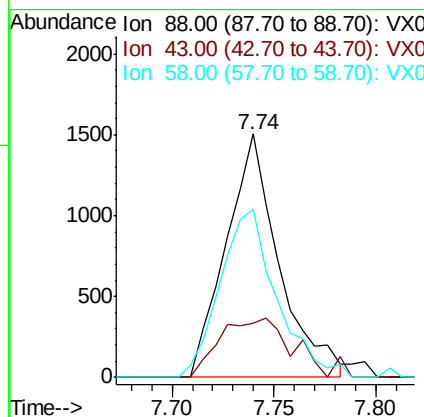
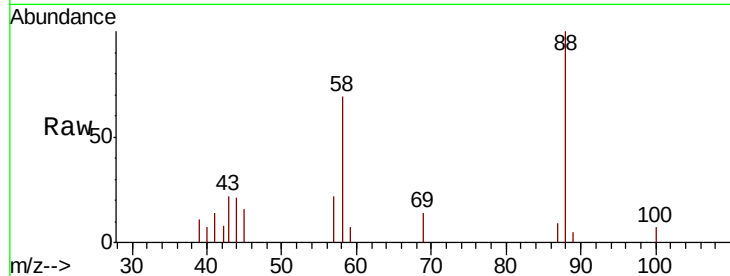
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	88	Resp:	2704
Ion	Ratio	Lower	Upper
88	100		
43	13.0	26.0	39.0#
58	72.9	53.0	79.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 2.411 ug/l

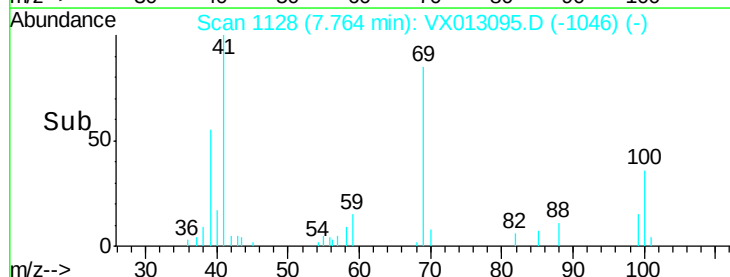
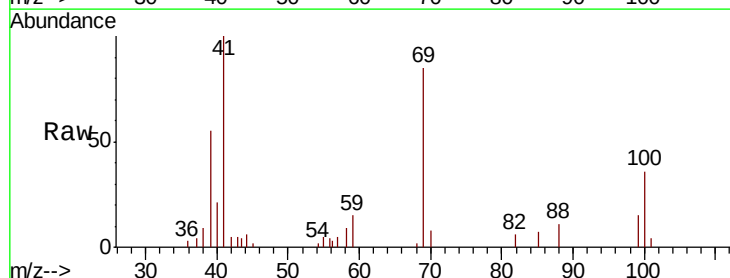
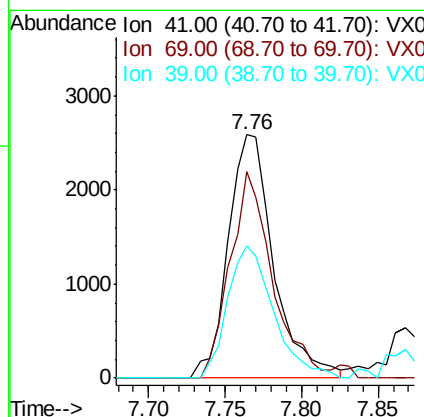
RT: 7.76 min Scan# 1128

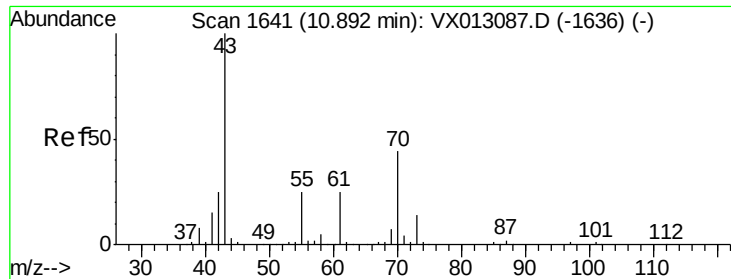
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	41	Resp:	5345
Ion	Ratio	Lower	Upper
41	100		
69	85.0	48.1	144.3
39	54.5	31.2	93.6





#47

n-amvl Acetate

Concen: 2.151 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 8307

Ion Ratio Lower Upper

43 100

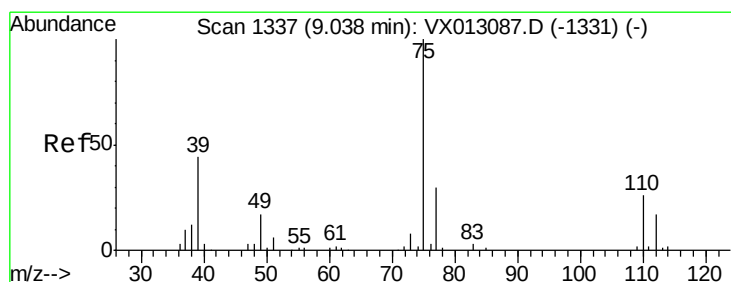
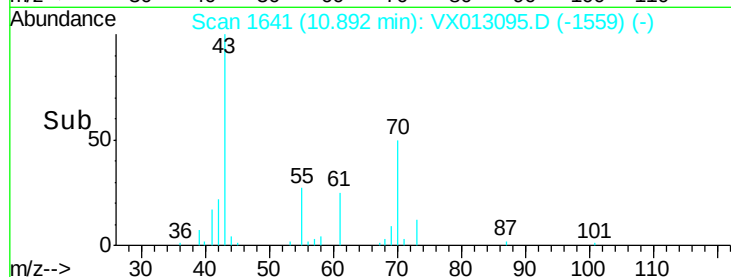
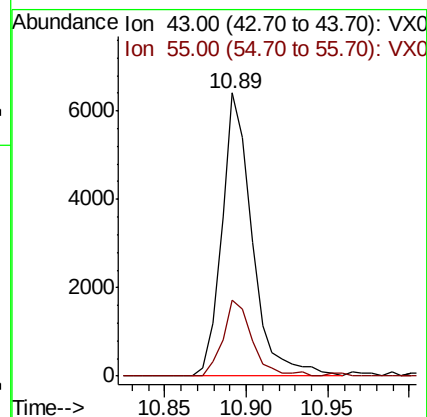
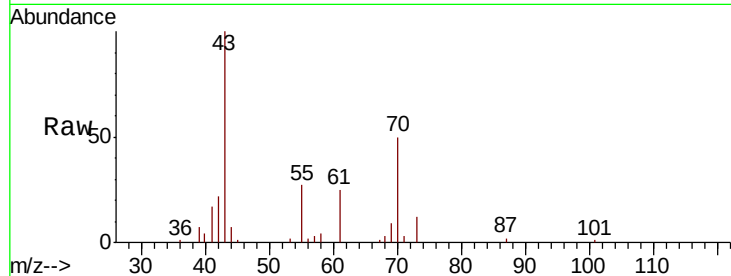
55 25.3 20.6 31.0

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#48

t-1,3-Dichloropropene

Concen: 2.081 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013095.D

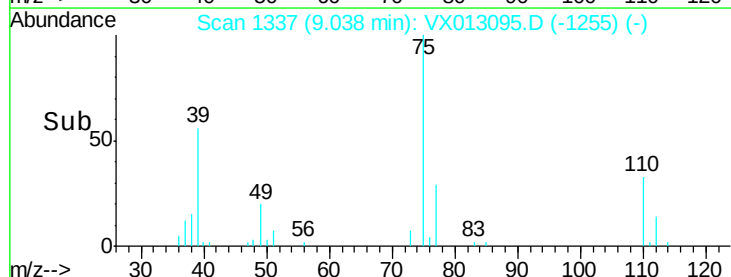
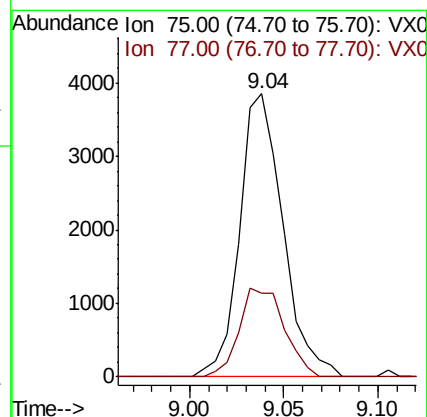
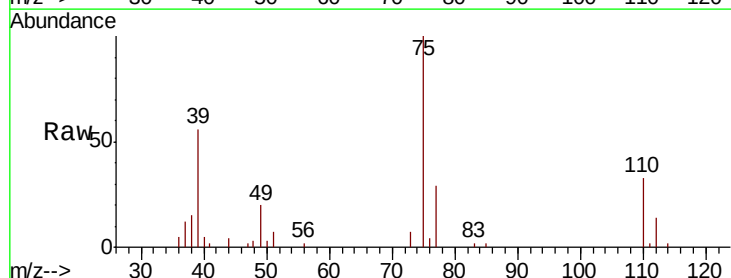
Acq: 16 Oct 2019 14:49

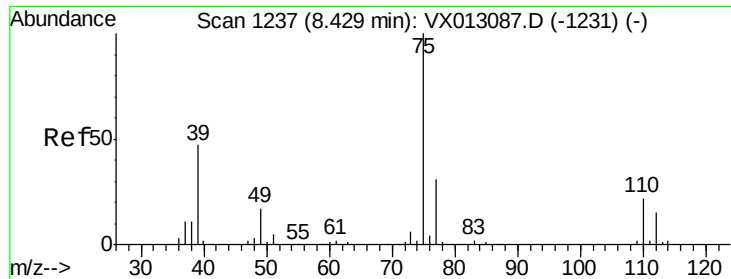
Tgt Ion: 75 Resp: 6143

Ion Ratio Lower Upper

75 100

77 29.4 23.7 35.5





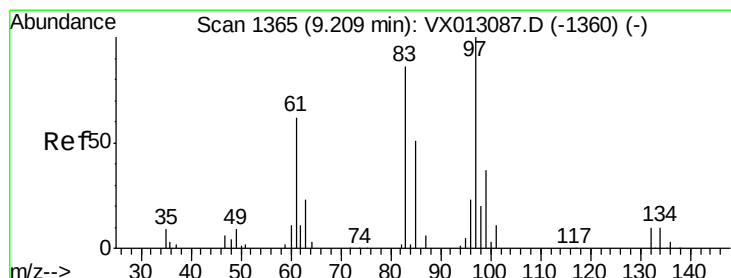
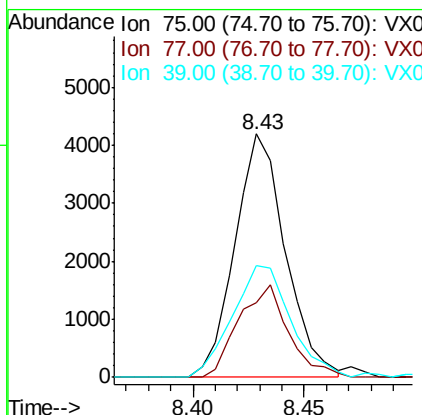
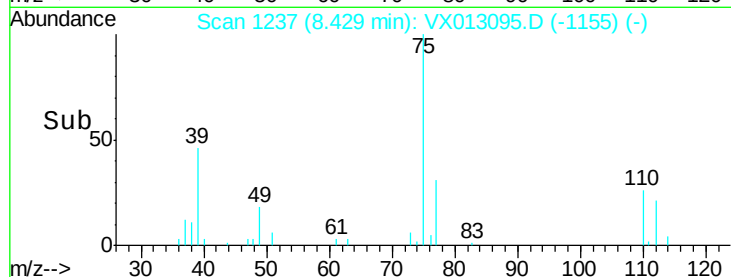
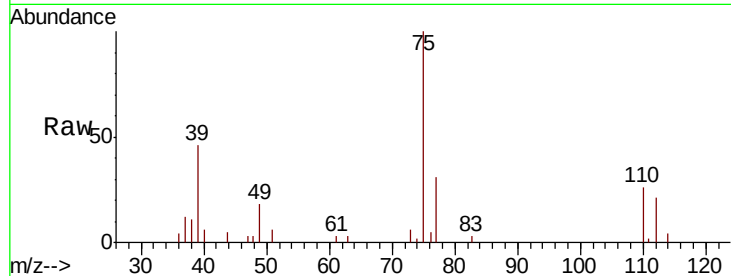
#49
 cis-1,3-Dichloropropene
 Concen: 2.038 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.7	37.1
39	45.8	37.4	56.0

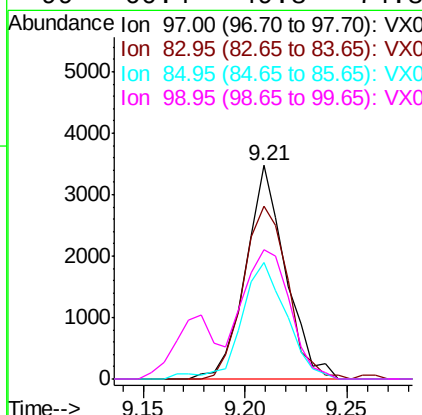
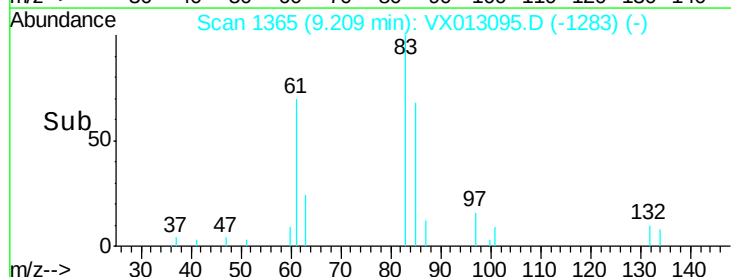
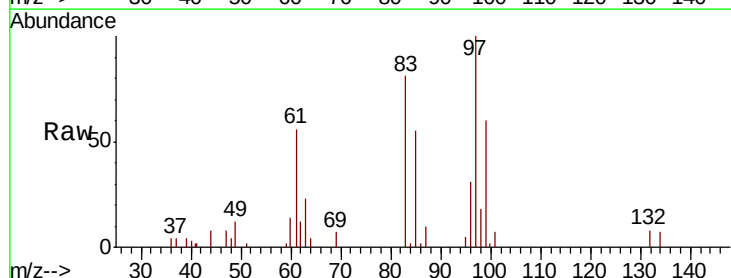
Manual Integrations
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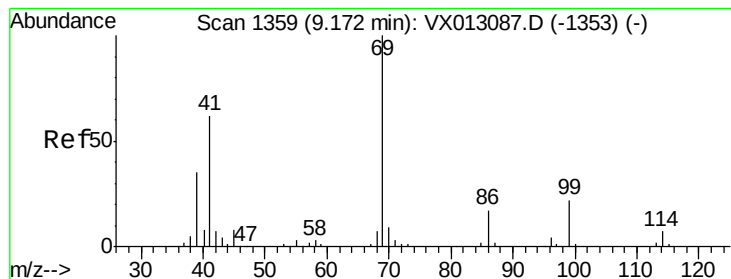
MMDadoda
 10/18/2019 4:53:59 PM



#50
 1,1,2-Trichloroethane
 Concen: 2.344 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.7	68.1	102.1
85	54.6	42.6	64.0
99	60.4	49.8	74.8





#51

Ethyl methacrylate

Concen: 2.202 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

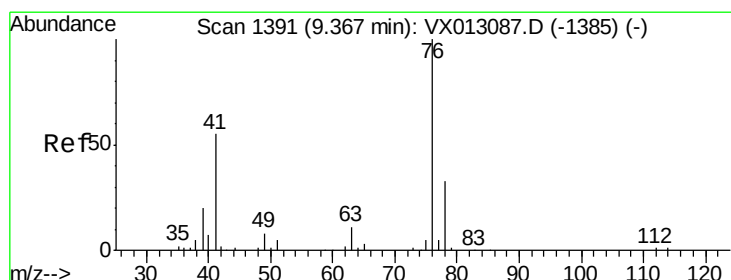
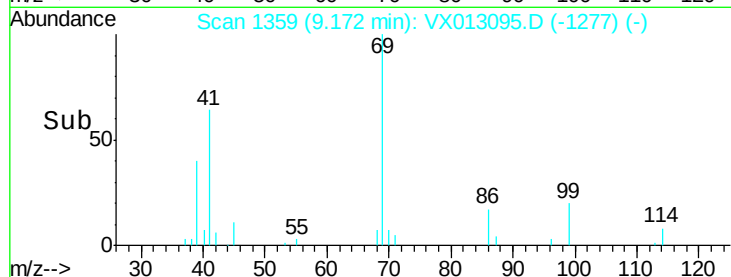
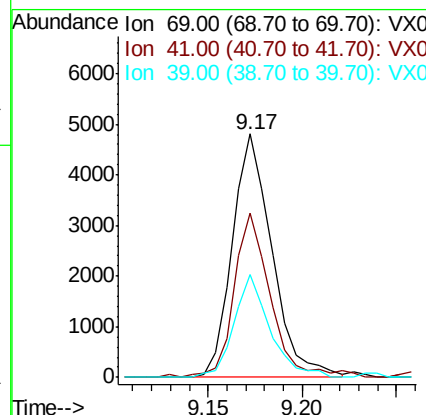
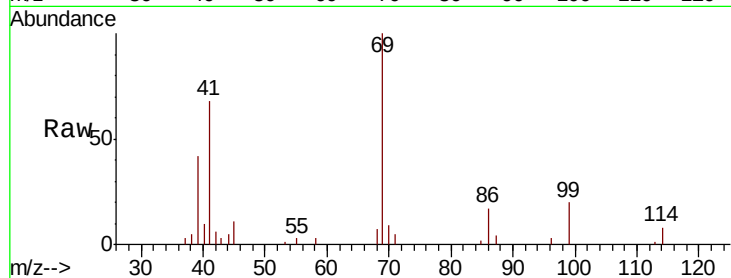
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	69	Resp:	7020
Ion	Ratio	Lower	Upper
69	100		
41	66.3	31.1	93.3
39	42.1	17.6	52.9

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#52

1,3-Dichloropropane

Concen: 2.382 ug/l

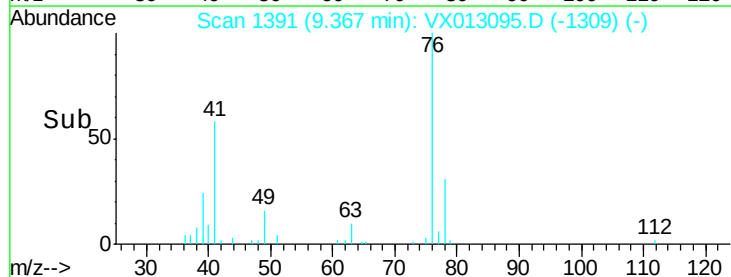
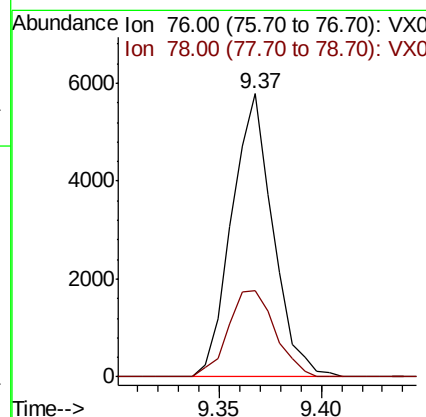
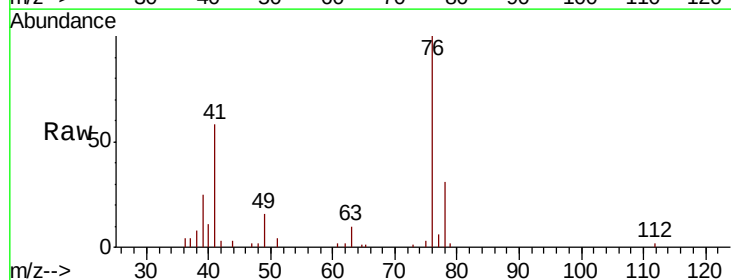
RT: 9.37 min Scan# 1391

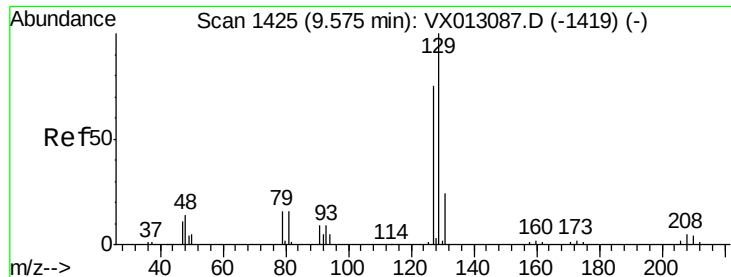
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	76	Resp:	8105
Ion	Ratio	Lower	Upper
76	100		
78	34.9	0.0	64.2





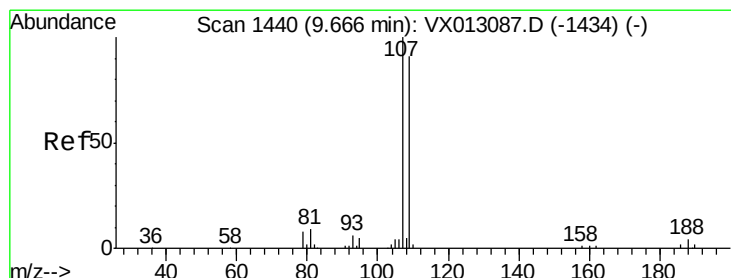
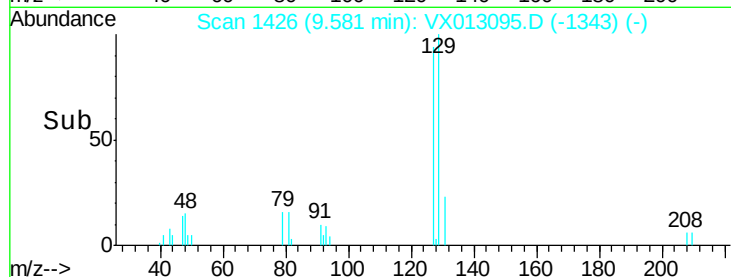
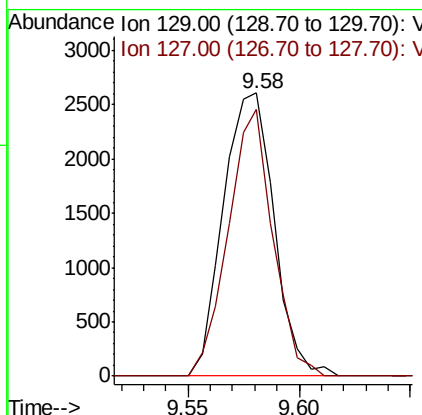
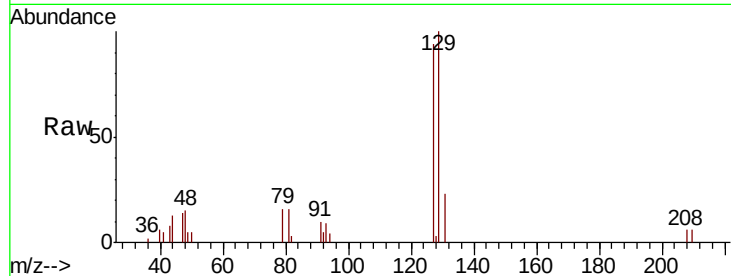
#53
Dibromochloromethane
Concen: 1.982 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		4127		
127	83.1	38.0	113.9		

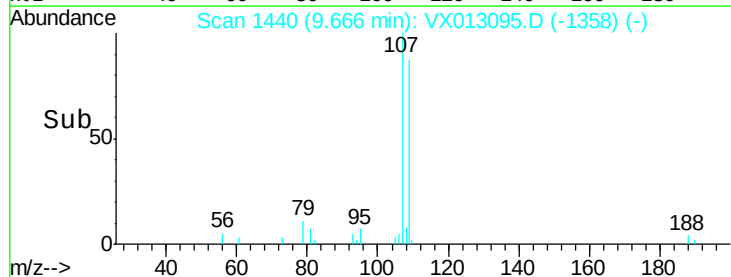
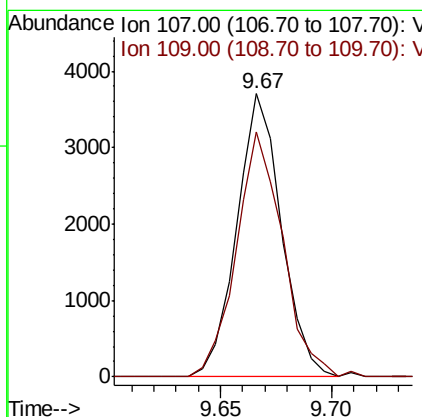
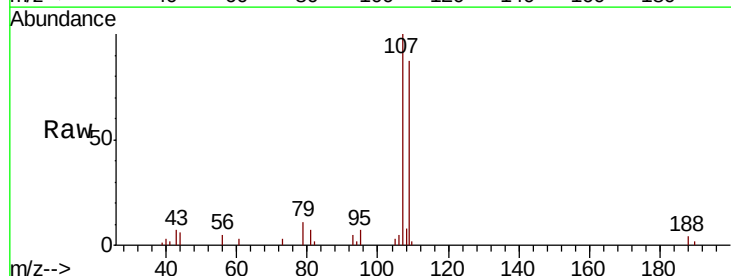
Manual Integrations
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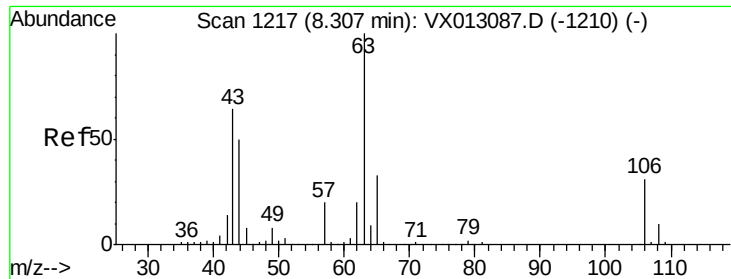
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#54
1,2-Dibromoethane
Concen: 2.419 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		5158		
109	89.7	73.6	110.4		





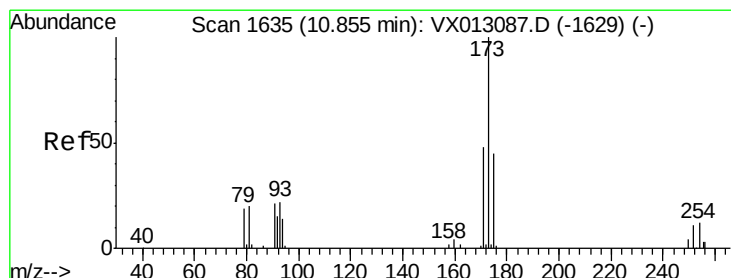
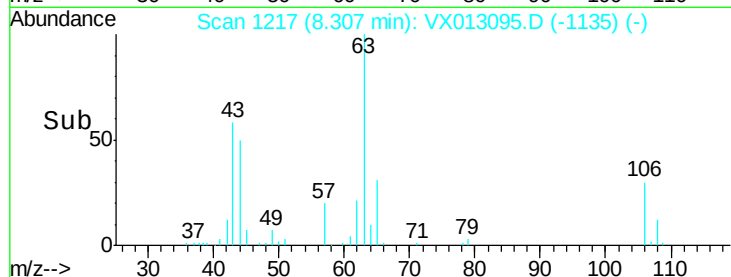
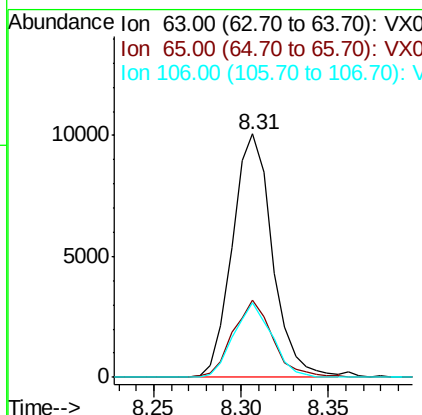
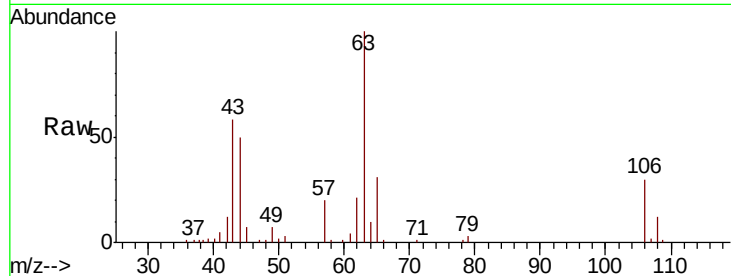
#55
2-Chloroethyl vinyl ether
Concen: 11.445 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9
106	29.1	24.3	36.5

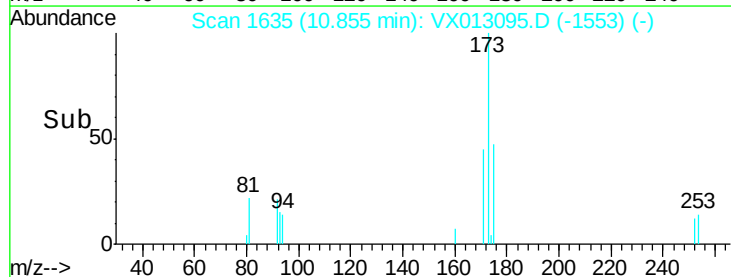
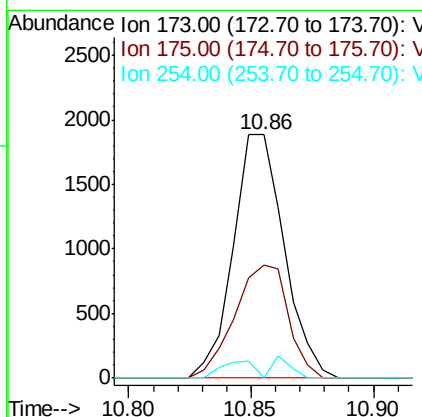
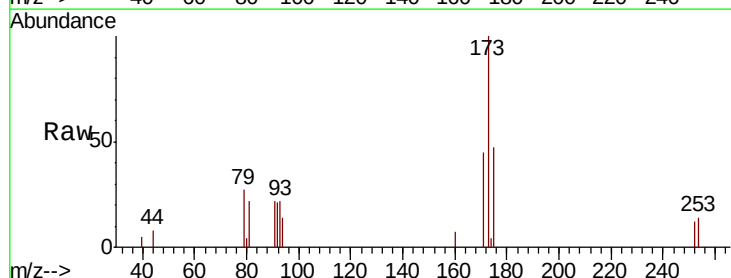
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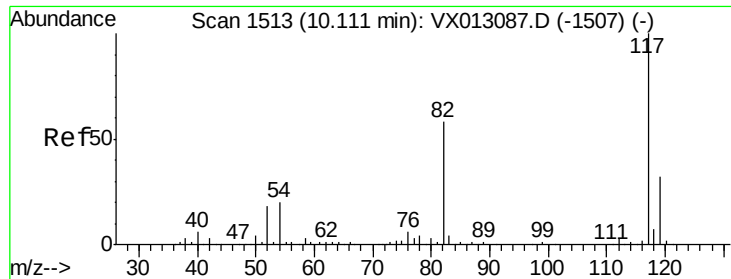
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#56
Bromoform
Concen: 1.887 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	37.8	56.8
254	3.3	7.9	11.9





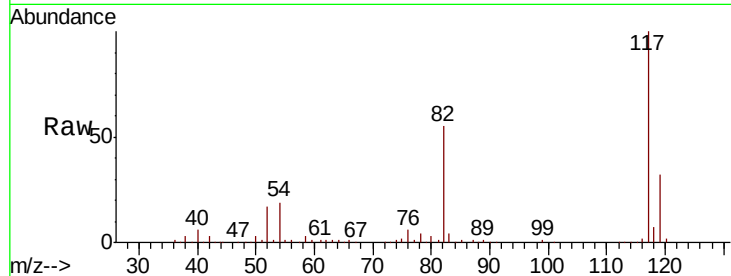
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

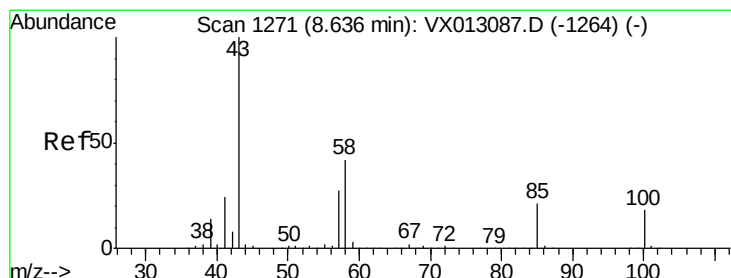
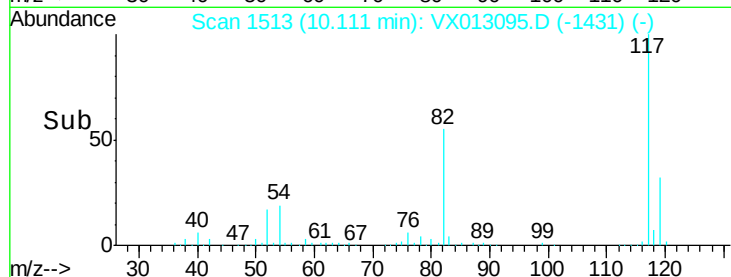
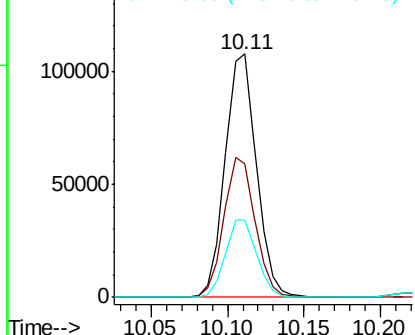
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.7	70.1
119	32.1	25.8	38.6

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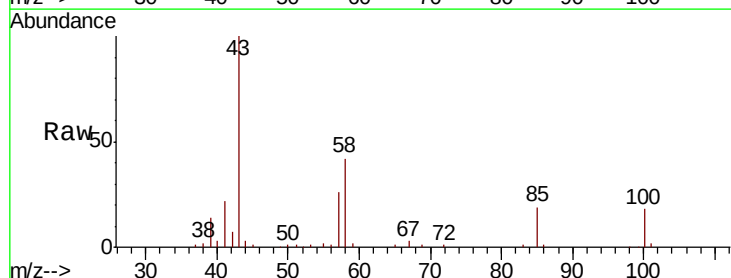


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

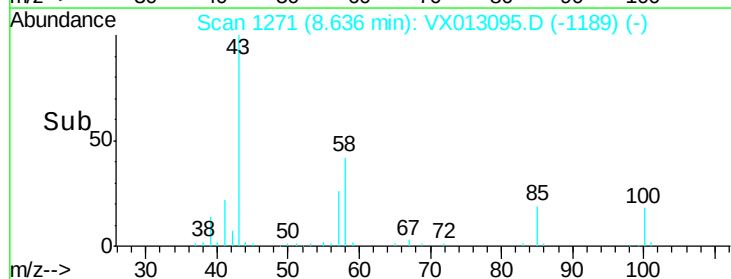
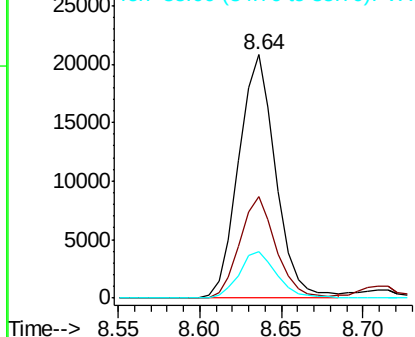


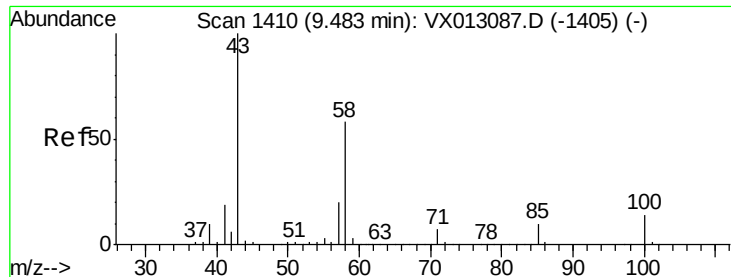
#58
4-Methyl-2-Pentanone
Concen: 11.811 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.7	33.0	49.4
85	19.2	16.0	24.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





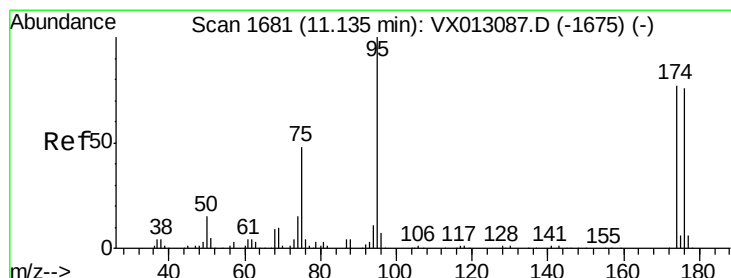
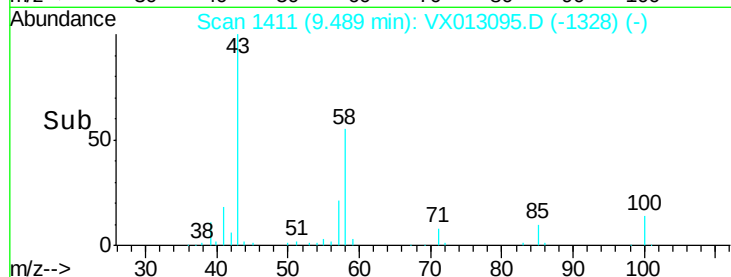
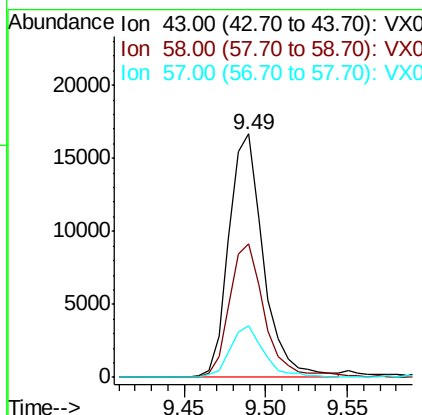
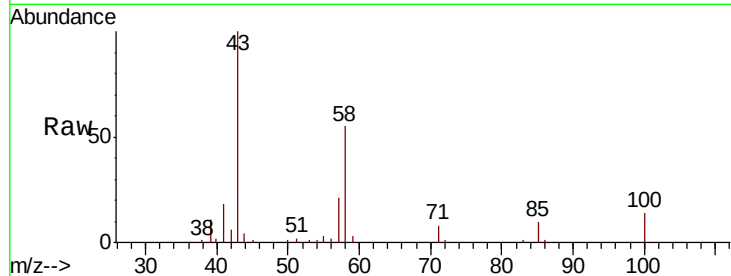
#59
2-Hexanone
Concen: 11.276 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.4	68.2
57	20.9	16.2	24.2

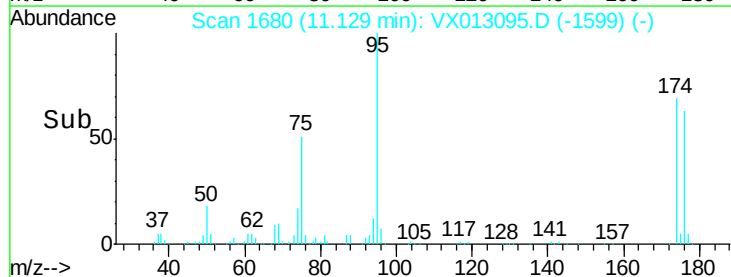
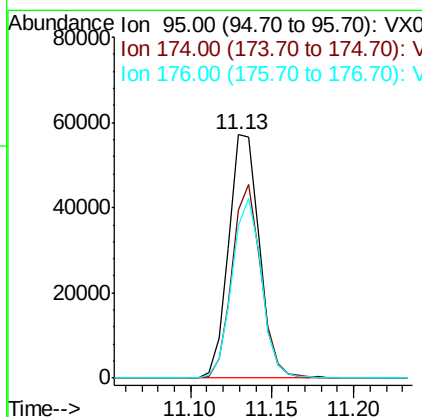
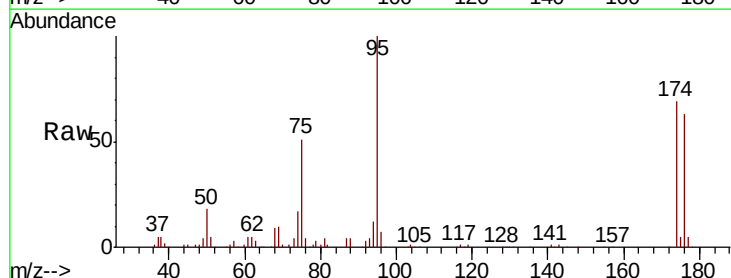
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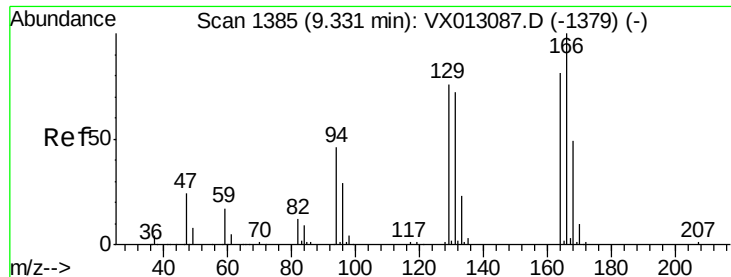
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 27.972 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	58.8	88.2
176	71.4	56.6	84.8





#61

Tetrachloroethene

Concen: 2.617 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:164 Resp: 5109

Ion Ratio Lower Upper

164 100

166 131.2 98.4 147.6

129 105.6 75.2 112.8

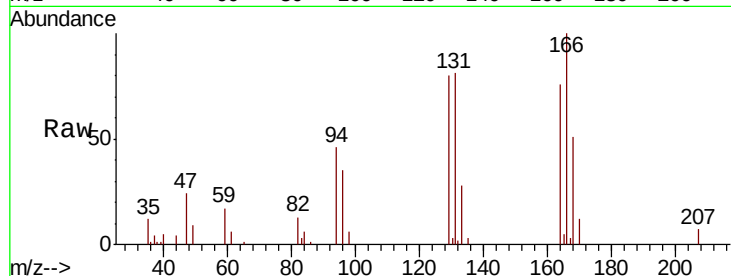
131 106.7 70.4 105.6#

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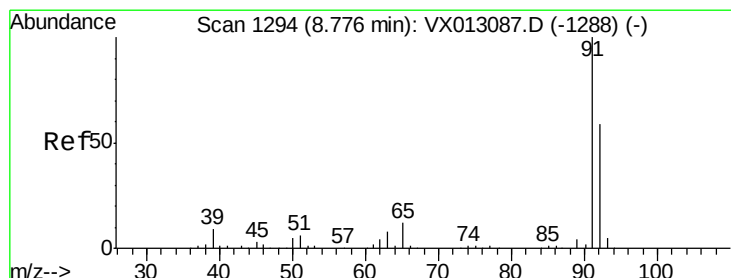
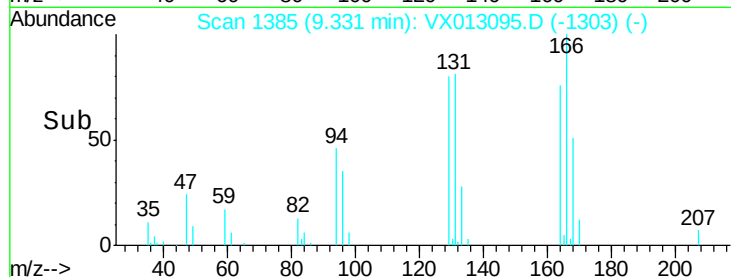
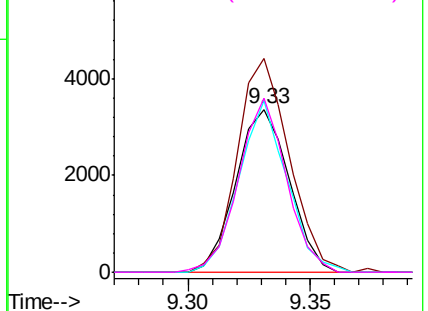


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.555 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013095.D

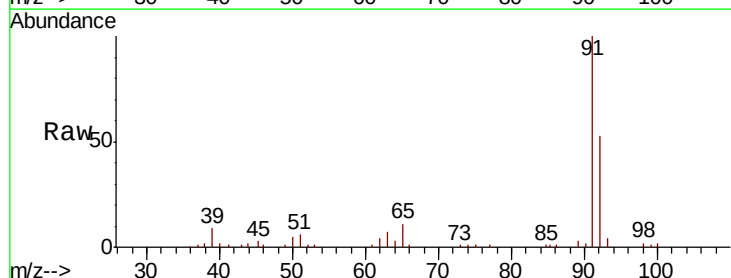
Acq: 16 Oct 2019 14:49

Tgt Ion: 91 Resp: 21280

Ion Ratio Lower Upper

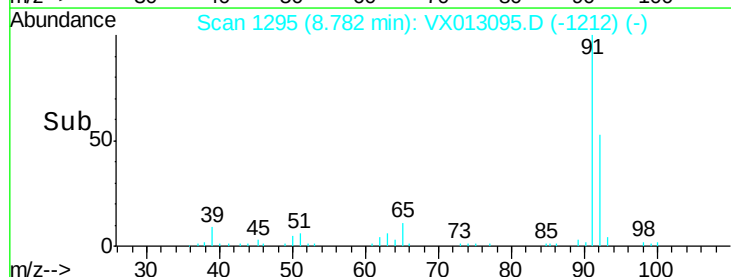
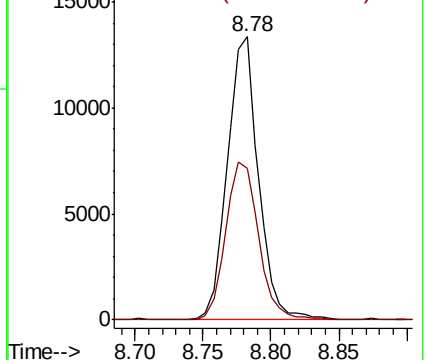
91 100

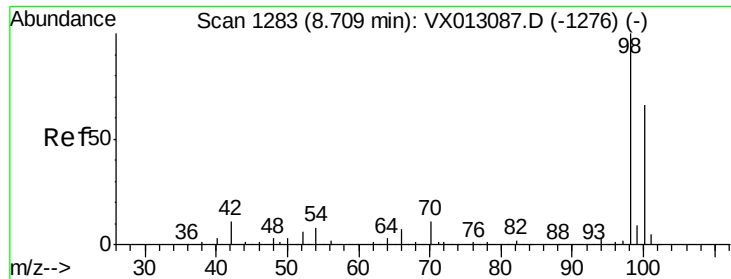
92 58.4 47.6 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





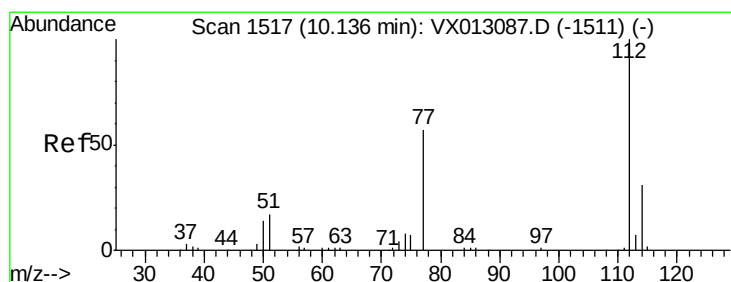
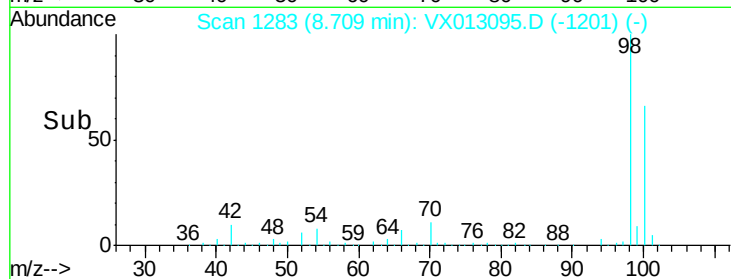
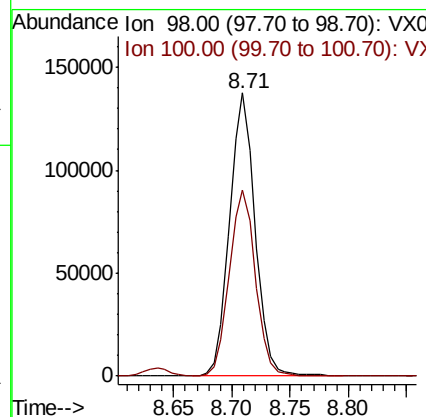
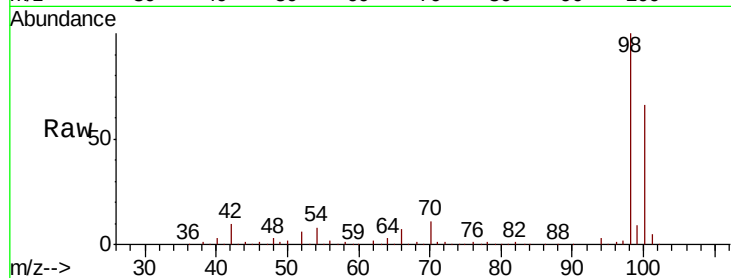
#63
Toluene-d8
Concen: 30.002 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion: 98 Resp: 209761
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.6

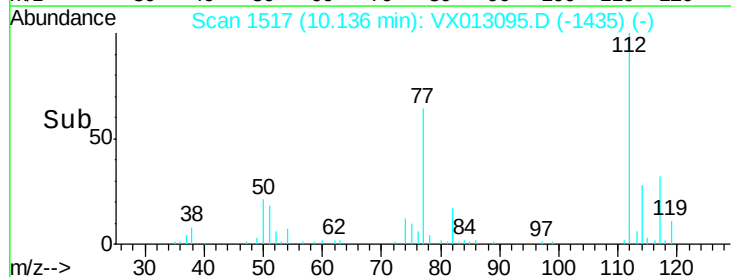
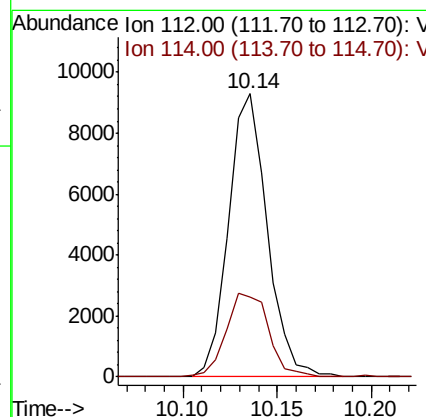
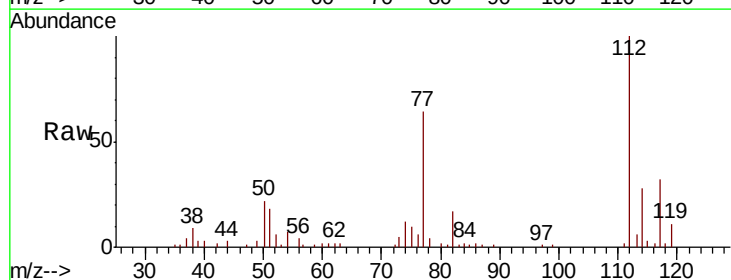
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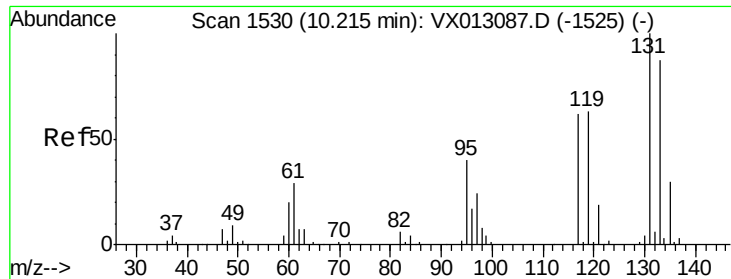
MMDadoda
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#64
Chlorobenzene
Concen: 2.497 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion: 112 Resp: 13218
Ion Ratio Lower Upper
112 100
114 28.2 25.2 37.8





#65

1,1,1,2-Tetrachloroethane

Concen: 2.325 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

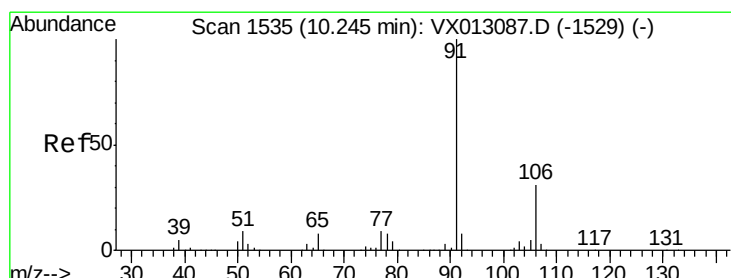
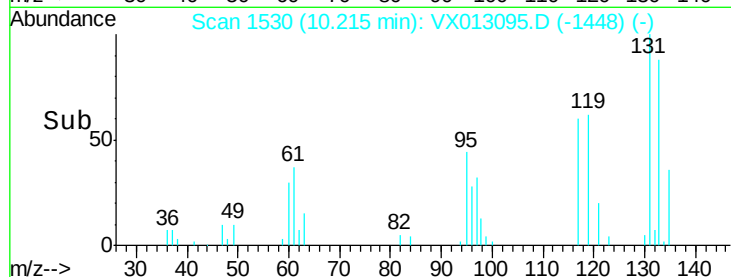
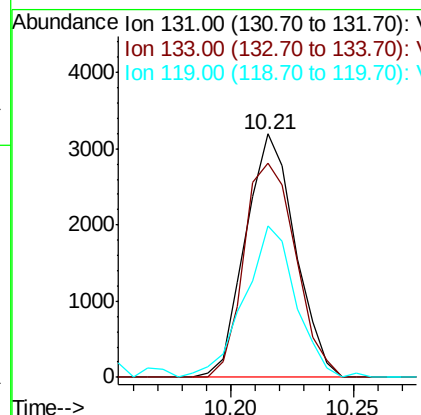
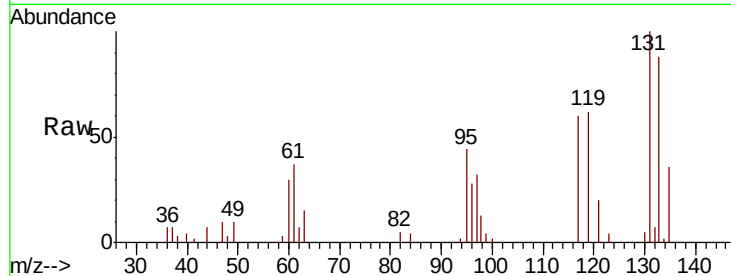
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
131	100	4519		
133	91.6	0.0	187.8	
119	63.7	0.0	128.4	

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#66

Ethyl Benzene

Concen: 2.438 ug/l

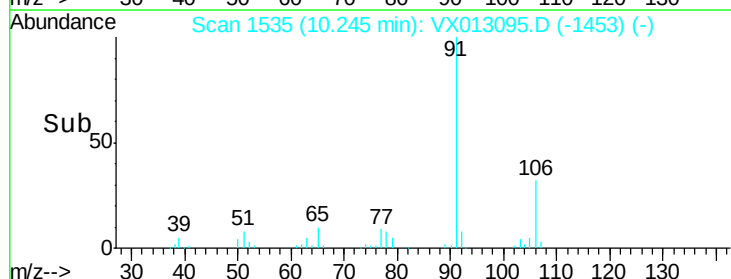
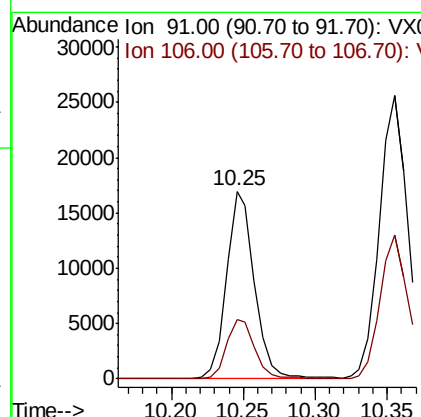
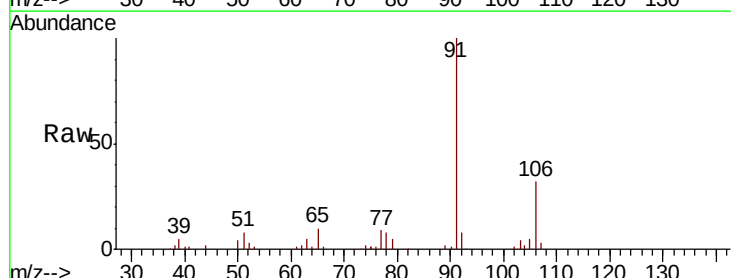
RT: 10.25 min Scan# 1535

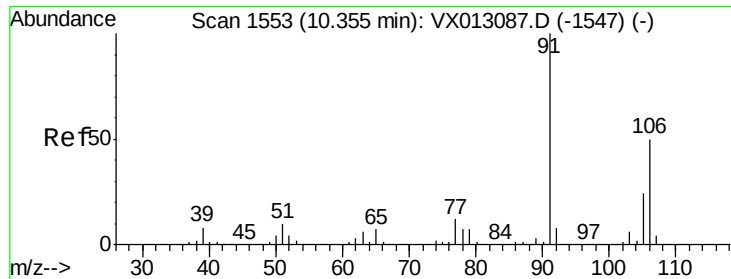
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23174		
106	31.6	25.0	37.4	





#67

m/p-Xylenes

Concen: 4.964 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:106 Resp: 17751

Ion Ratio Lower Upper

106 100

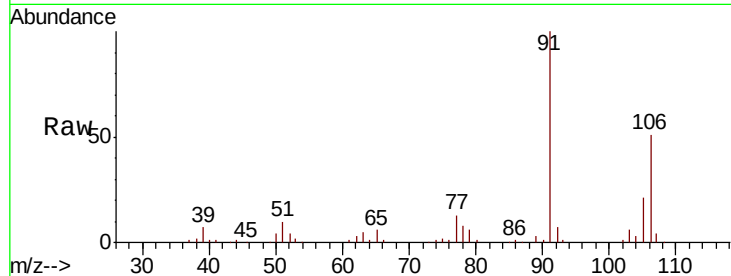
91 198.8 162.6 243.8

Manual Integrations

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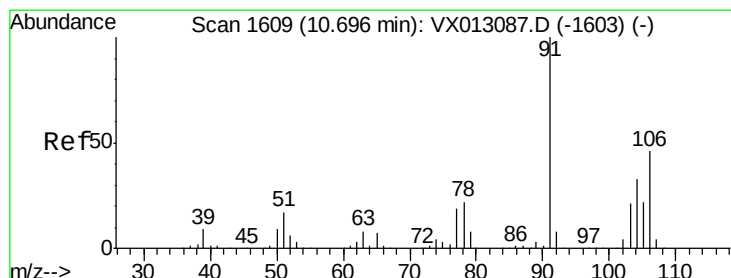
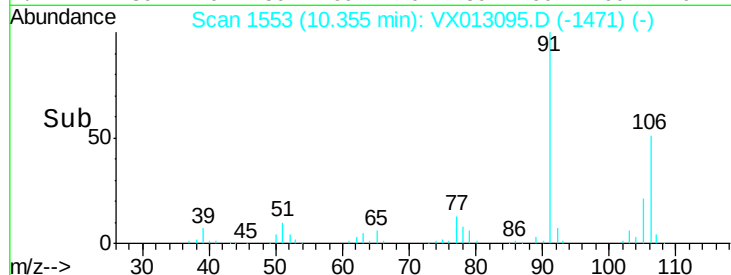
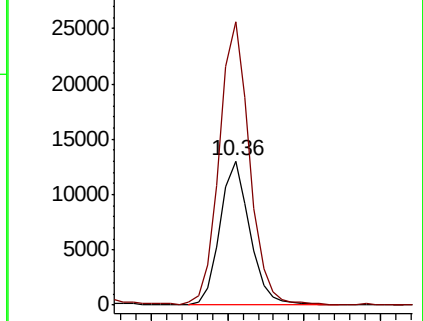
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 2.442 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX013095.D

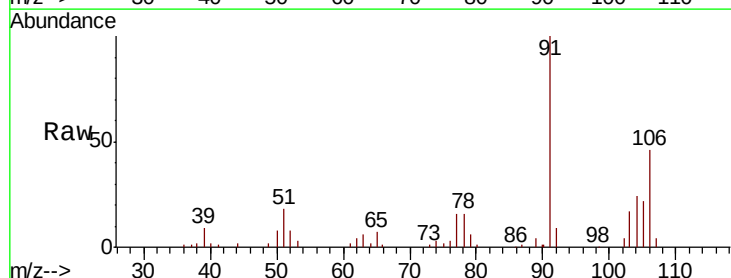
Acq: 16 Oct 2019 14:49

Tgt Ion:106 Resp: 8503

Ion Ratio Lower Upper

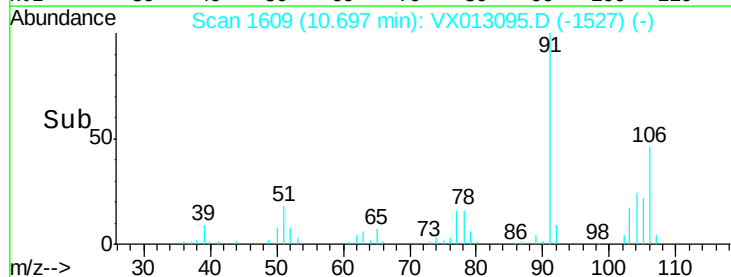
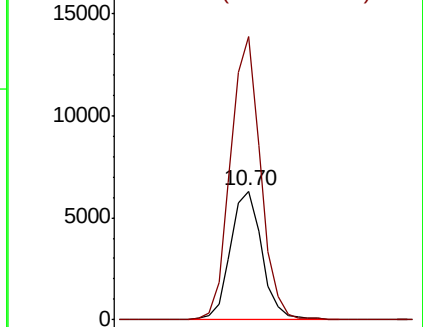
106 100

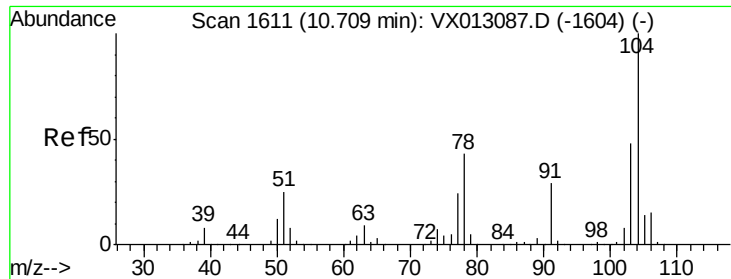
91 207.6 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





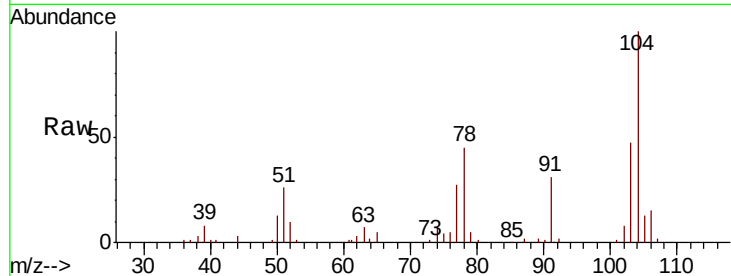
#69
Stvrene
Concen: 2.266 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.0	61.4
103	53.6	42.8	64.2

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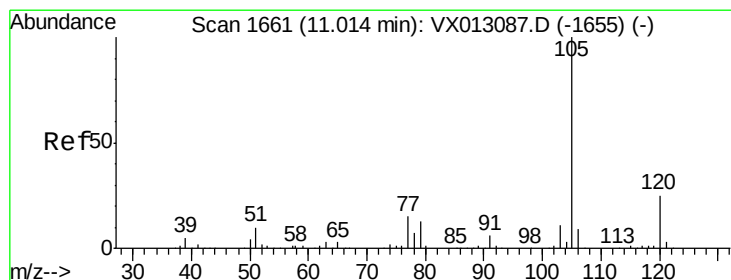
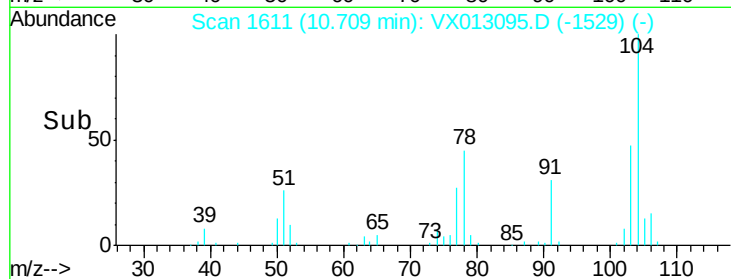
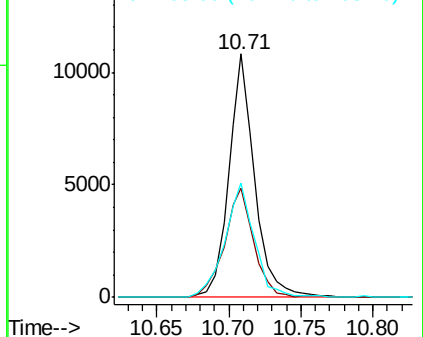


Abundance

Ion 104.00 (103.70 to 104.70): V

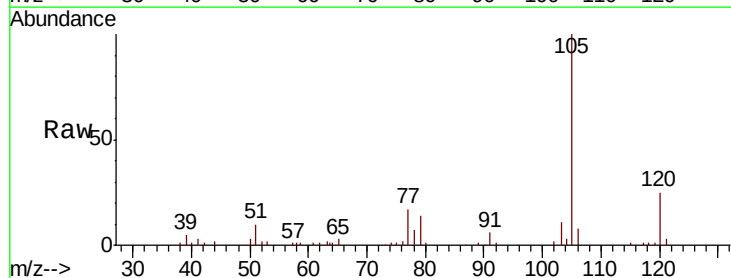
Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 2.296 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

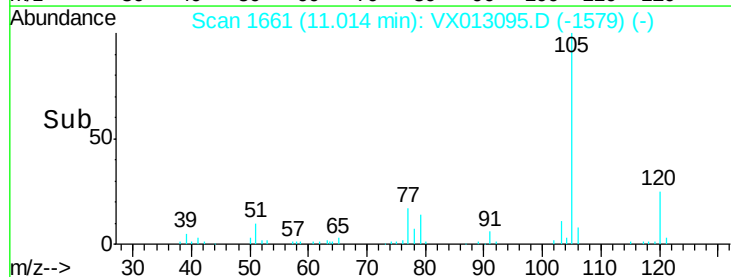
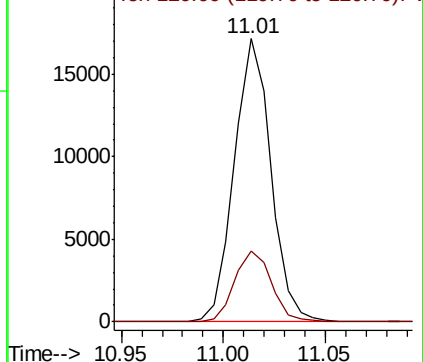
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	17.9	33.3

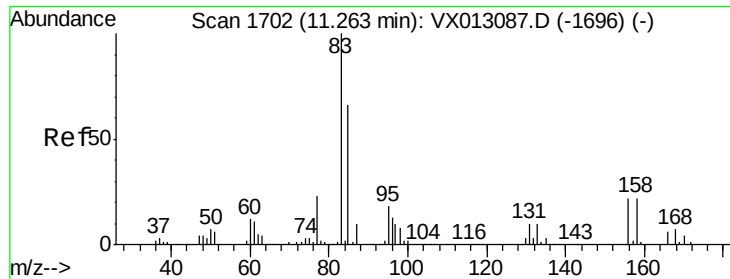


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 2.315 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

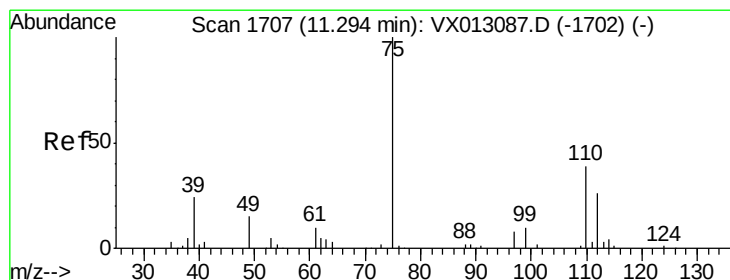
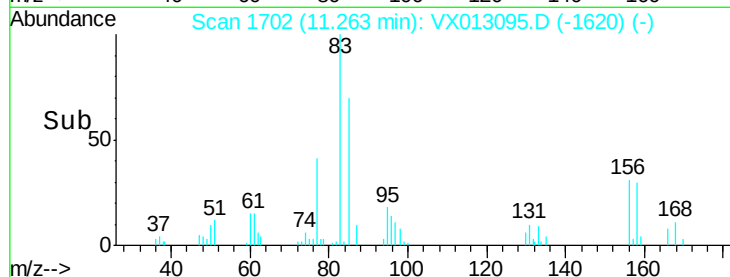
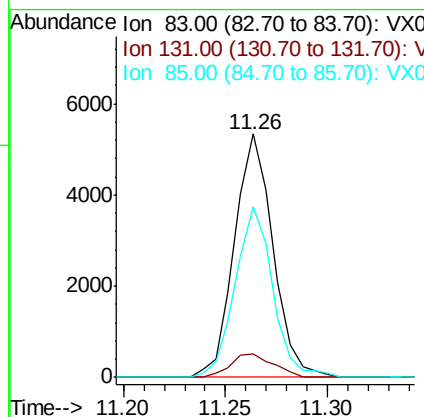
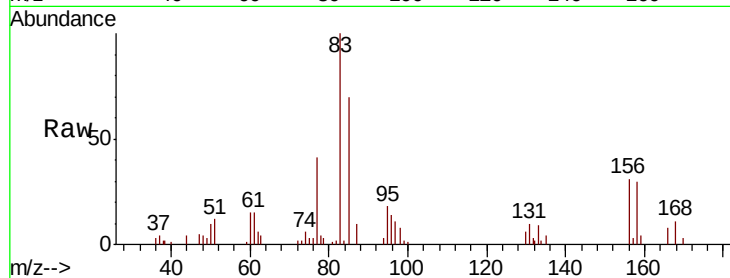
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	83	Resp:	7007
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.9	14.6
85	68.3	31.9	95.9

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#72

1,2,3-Trichloropropane

Concen: 2.333 ug/l m

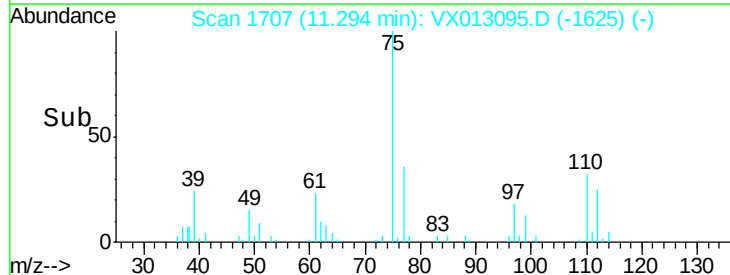
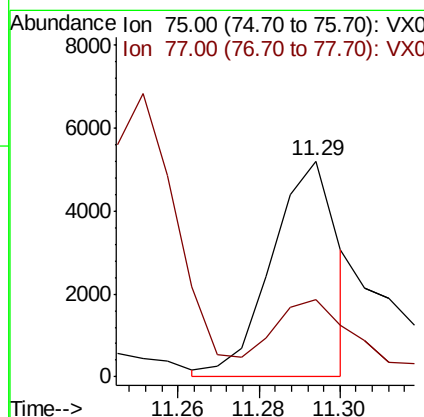
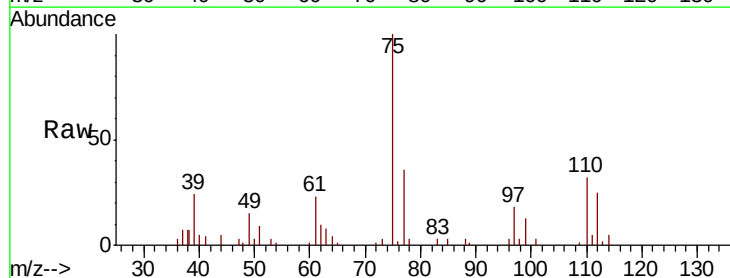
RT: 11.29 min Scan# 1707

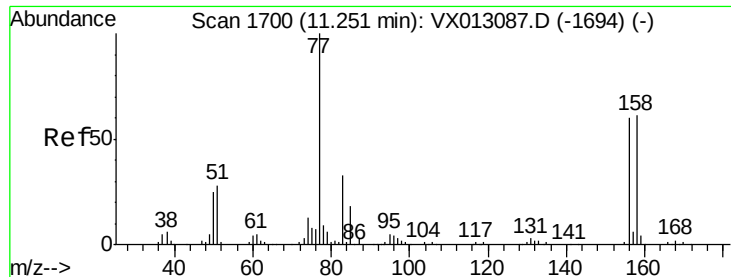
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	75	Resp:	5872
Ion	Ratio	Lower	Upper
75	100		
77	47.2	0.0	87.8





#73

Bromobenzene

Concen: 2.604 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

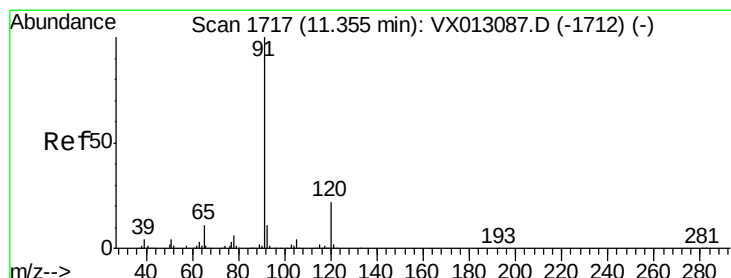
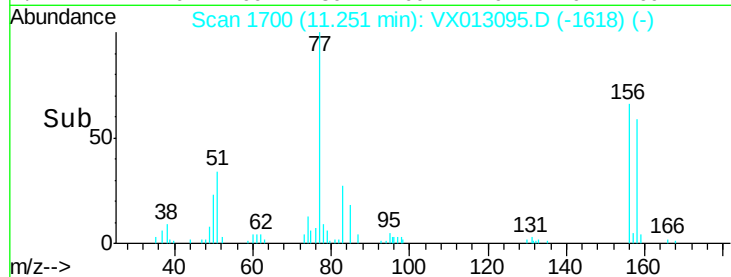
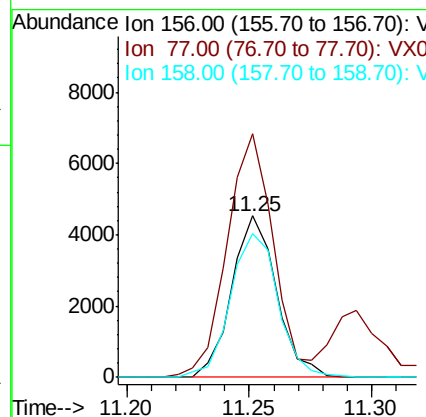
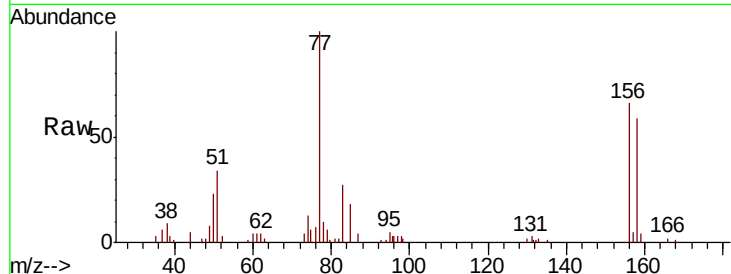
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	156	Resp:	5776
Ion	Ratio	Lower	Upper
156	100		
77	156.6	0.0	344.0
158	95.2	0.0	195.6

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#74

n-propylbenzene

Concen: 2.313 ug/l

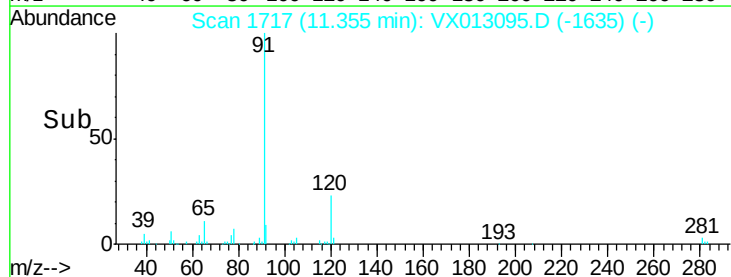
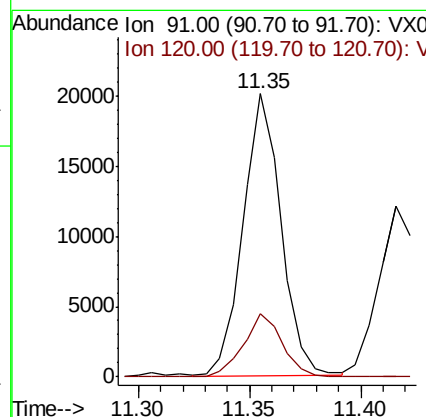
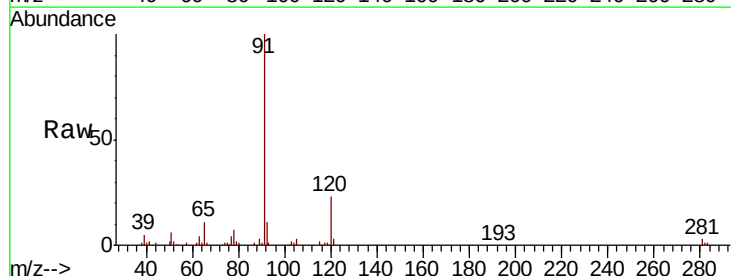
RT: 11.35 min Scan# 1717

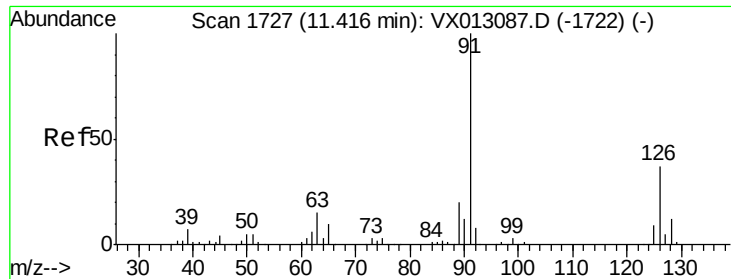
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	91	Resp:	24028
Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	45.0





#75

2-Chlorotoluene

Concen: 2.350 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 91 Resp: 14956

Ion Ratio Lower Upper

91 100

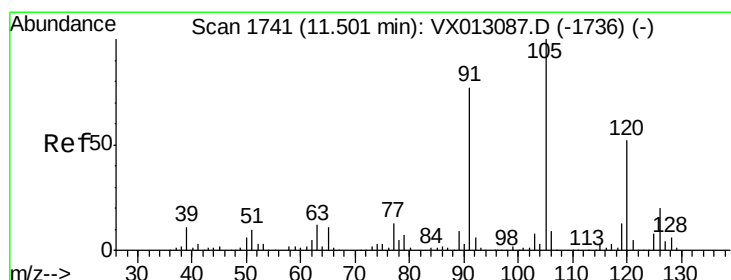
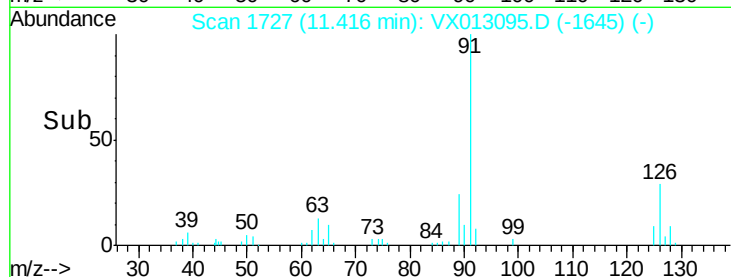
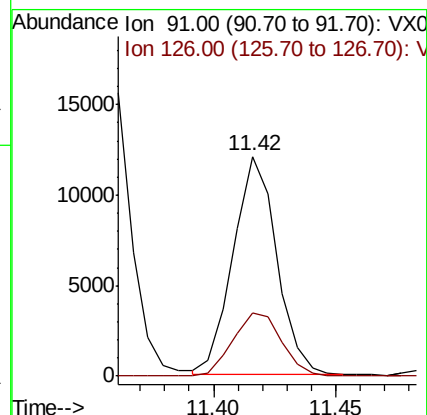
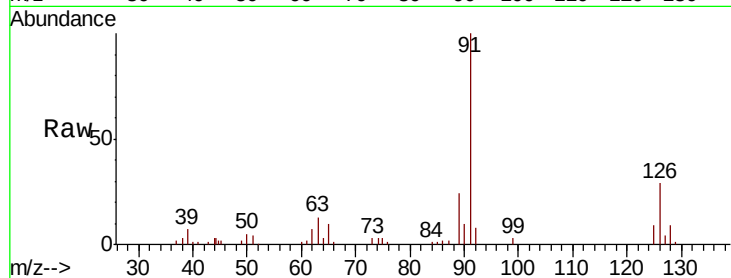
126 32.6 0.0 66.0

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#76

1,3,5-Trimethylbenzene

Concen: 2.272 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013095.D

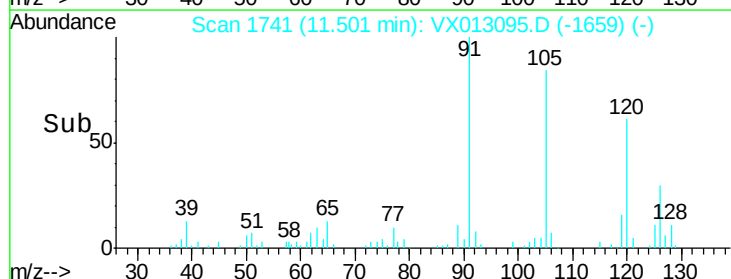
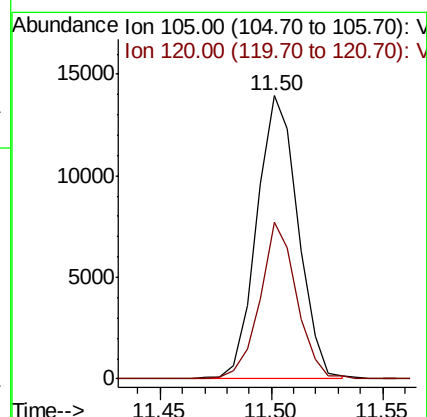
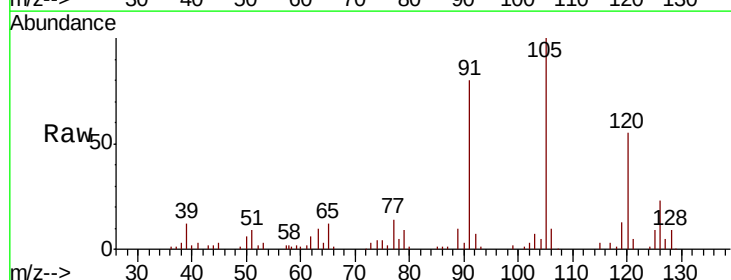
Acq: 16 Oct 2019 14:49

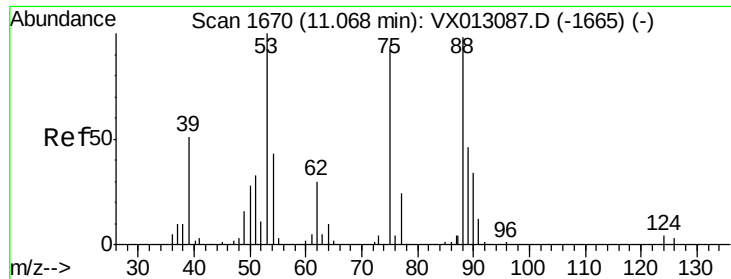
Tgt Ion: 105 Resp: 17983

Ion Ratio Lower Upper

105 100

120 49.5 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 1.744 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 75 Resp: 1699

Ion Ratio Lower Upper

75 100

53 129.9 53.1 159.4

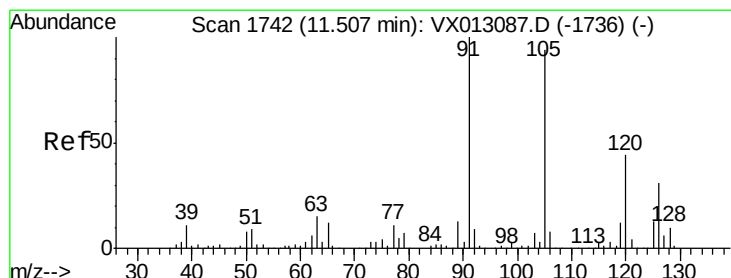
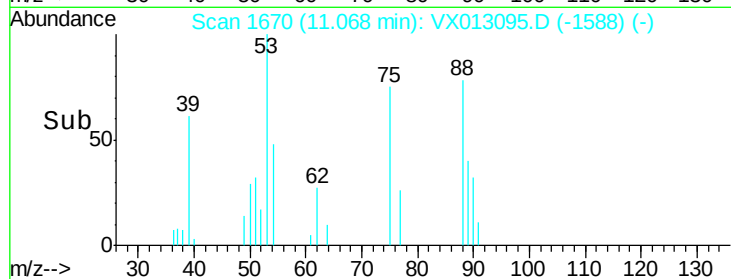
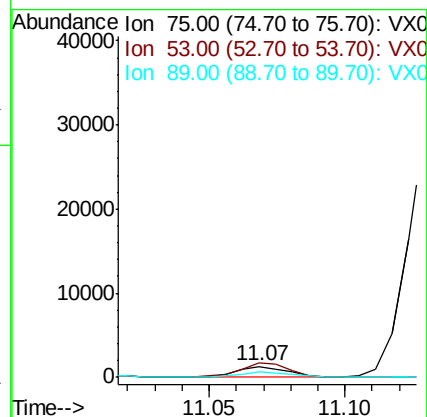
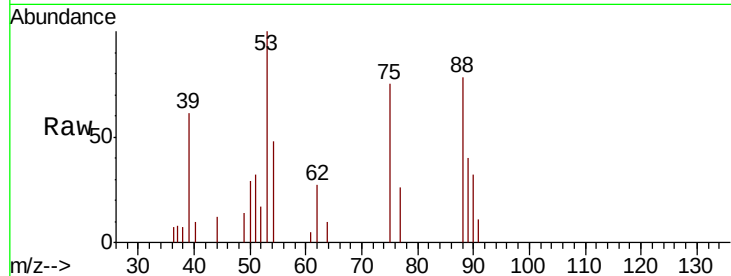
89 53.0 24.6 73.8

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#78

4-Chlorotoluene

Concen: 2.372 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013095.D

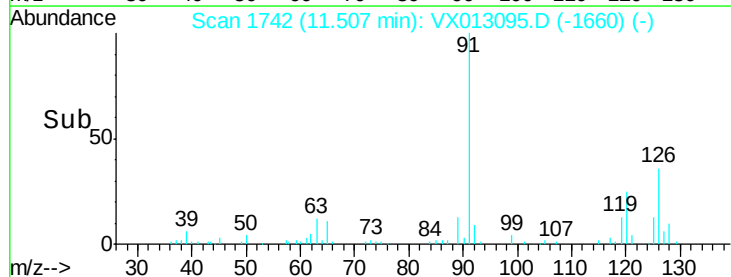
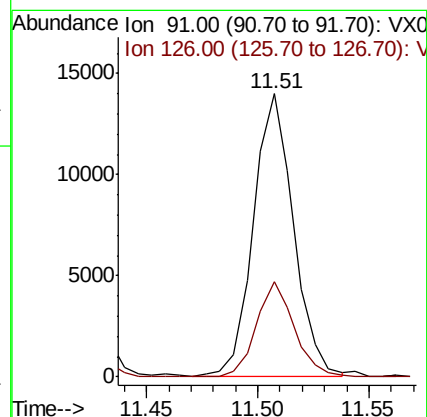
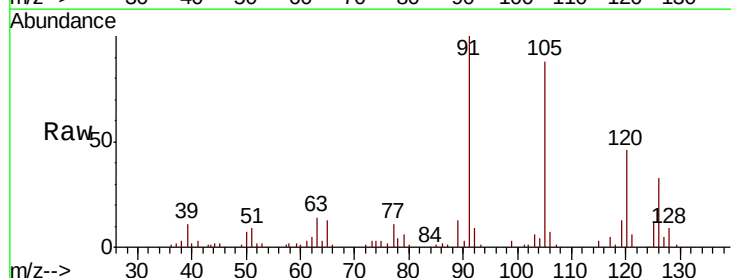
Acq: 16 Oct 2019 14:49

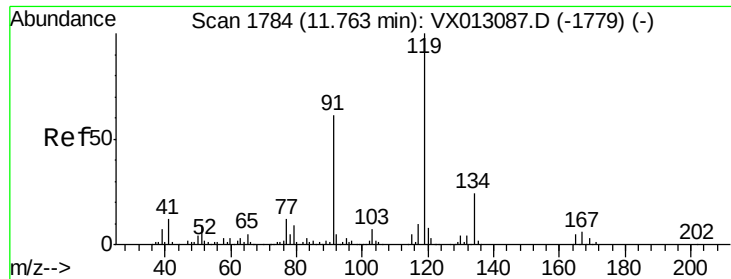
Tgt Ion: 91 Resp: 17458

Ion Ratio Lower Upper

91 100

126 31.8 0.0 57.0





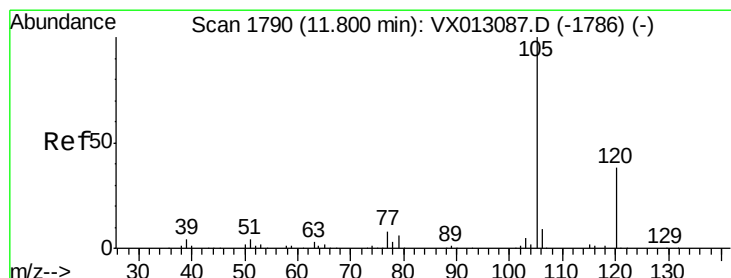
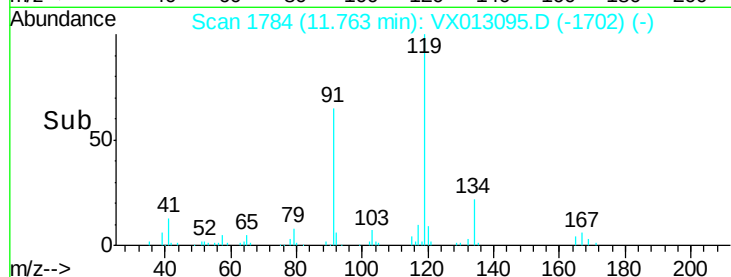
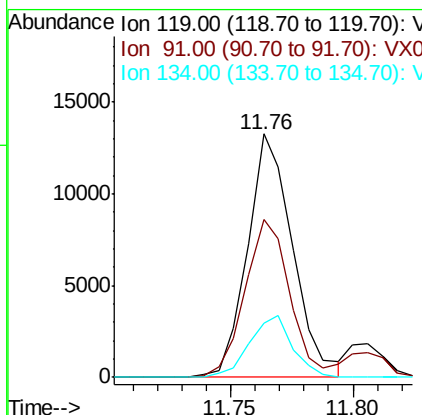
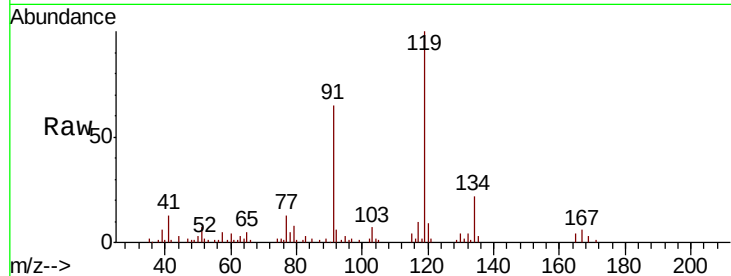
#79
tert-butylbenzene
Concen: 2.291 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	17061		
91	63.8	0.0	122.2	
134	24.3	0.0	46.6	

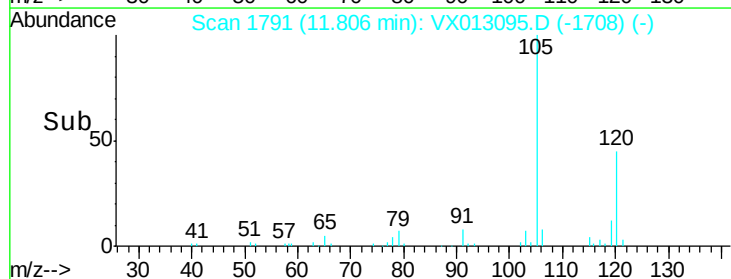
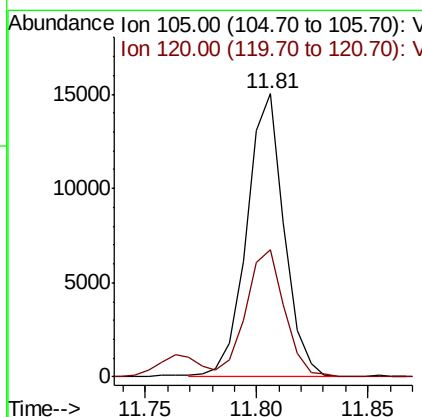
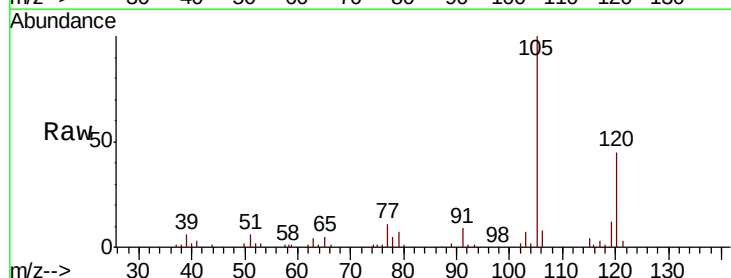
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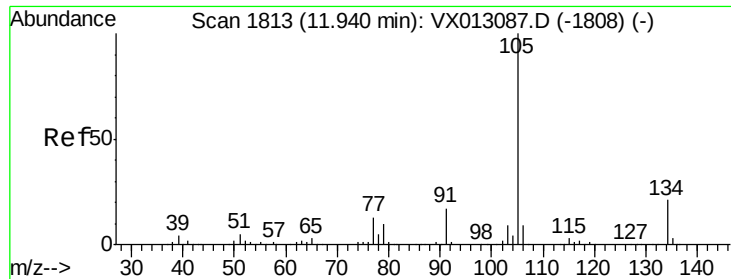
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#80
1,2,4-Trimethylbenzene
Concen: 2.223 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	17546		
120	46.3	0.0	85.8	





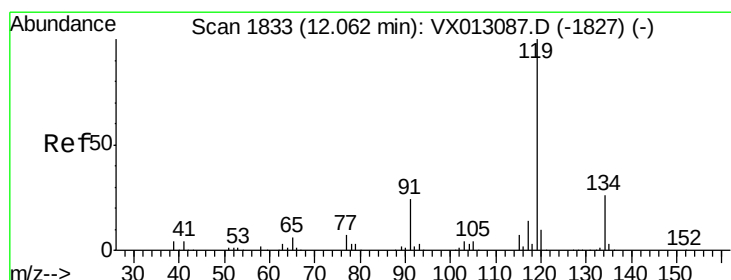
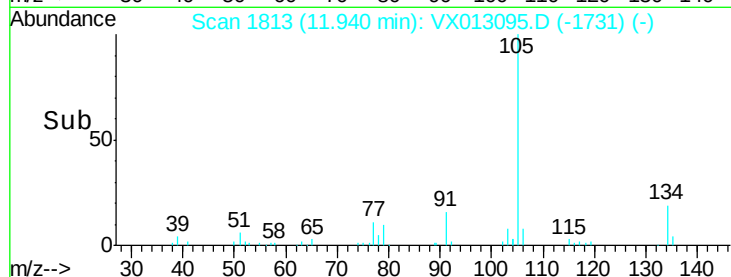
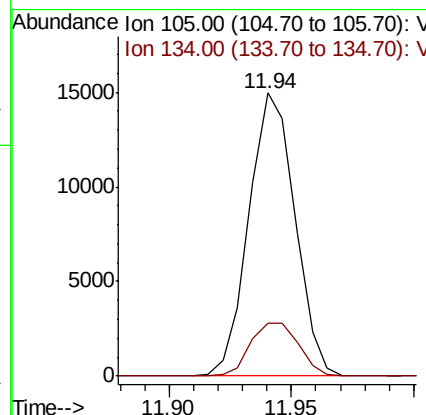
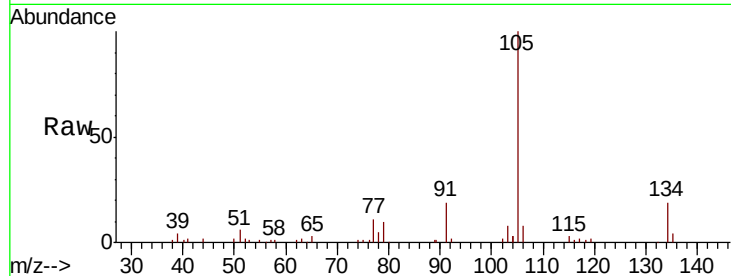
#81
 sec-Butylbenzene
 Concen: 2.189 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	39.6

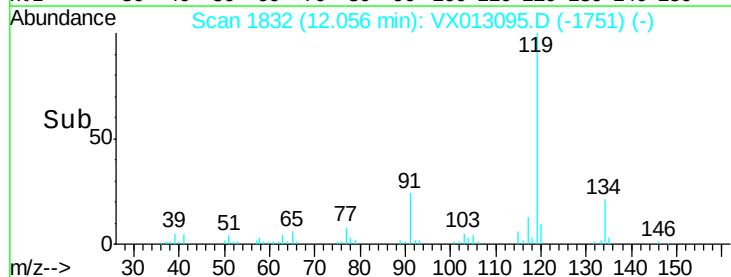
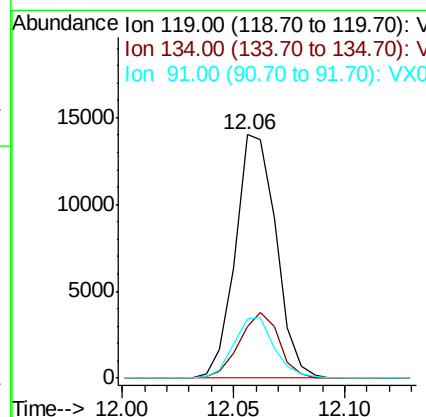
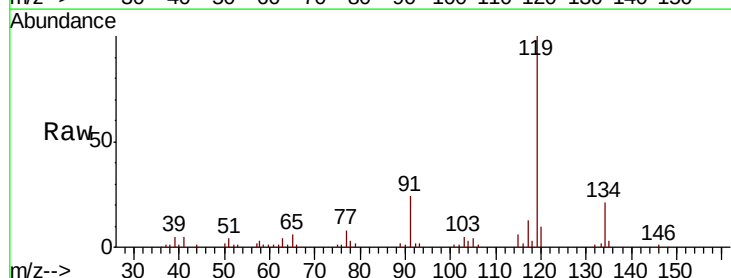
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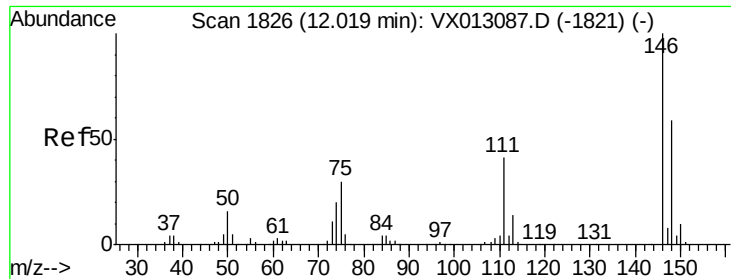
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#82
 p-Isopropyltoluene
 Concen: 2.192 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	52.0
91	24.8	0.0	50.4





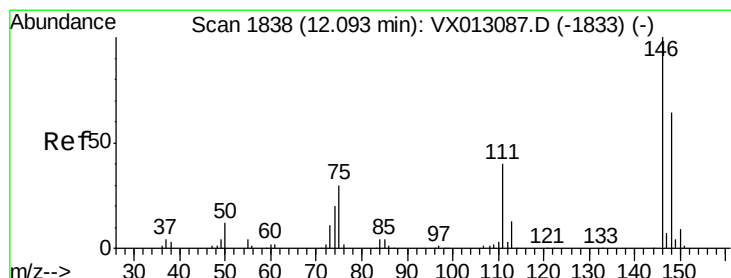
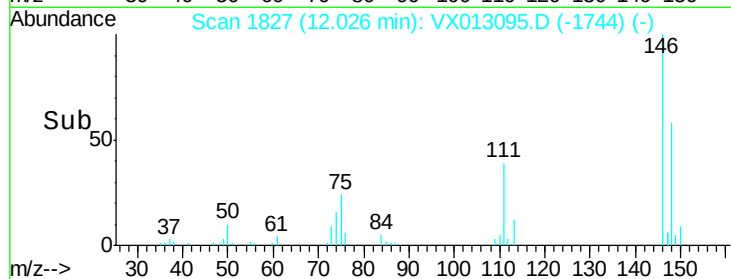
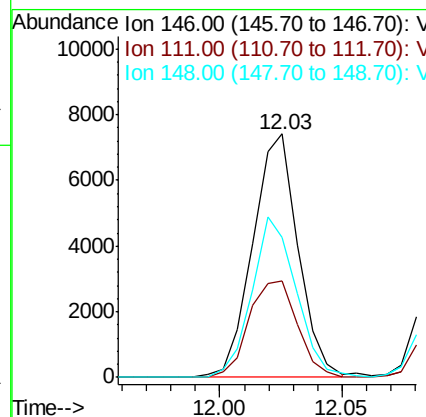
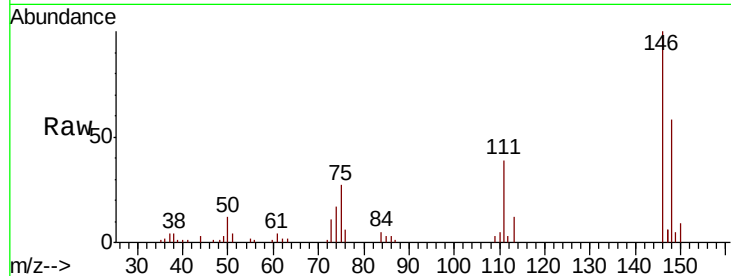
#83
 1,3-Dichlorobenzene
 Concen: 2.371 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.9
148	64.8	30.4	91.2

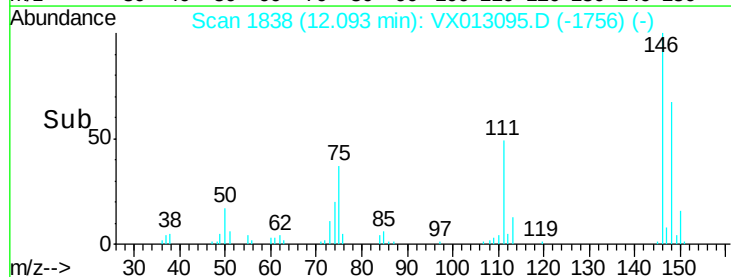
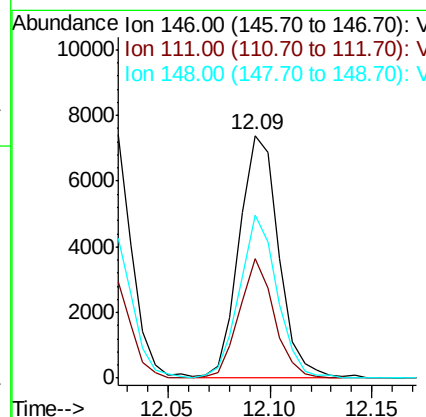
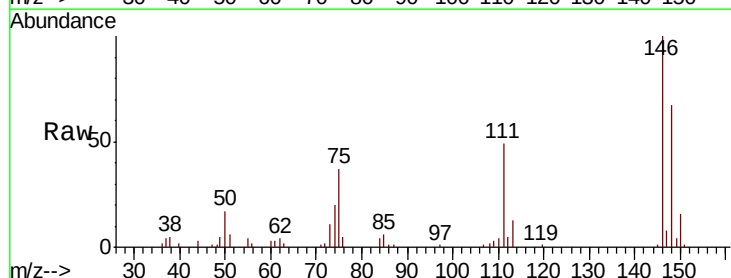
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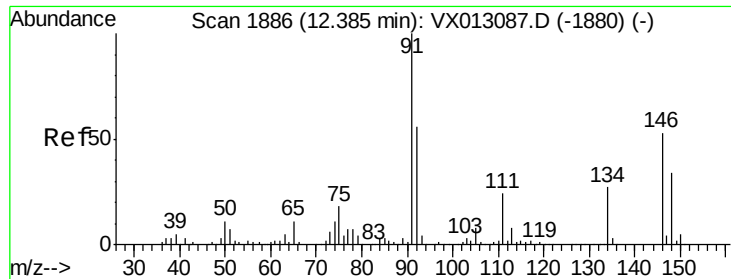
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#84
 1,4-Dichlorobenzene
 Concen: 2.466 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013095.D
 Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.0	59.9
148	63.8	31.9	95.7





#85

n-Butylbenzene

Concen: 1.953 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

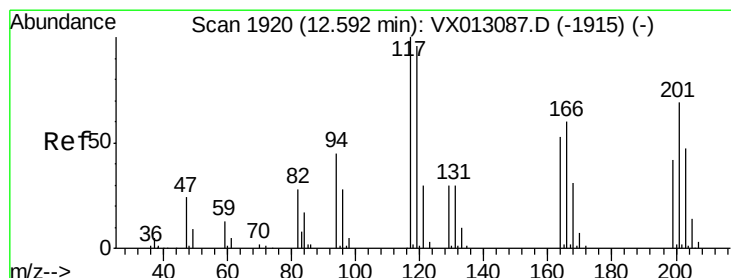
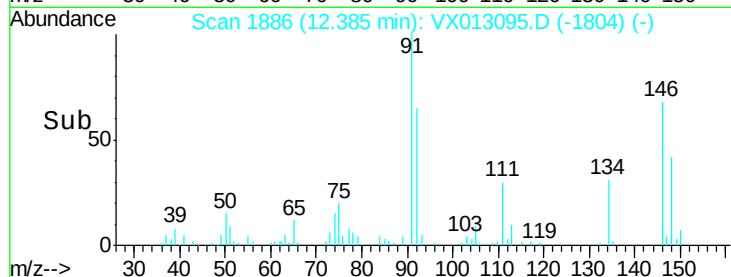
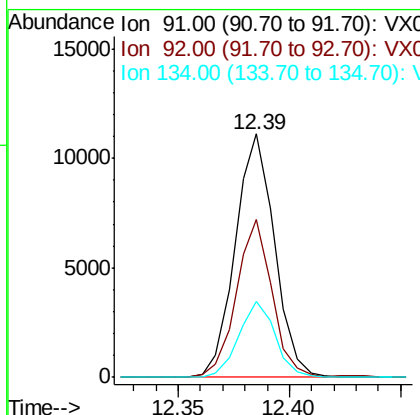
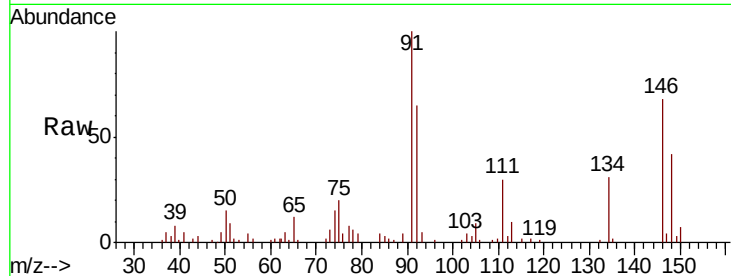
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	91	Resp:	13637
Ion	Ratio	Lower	Upper
91	100		
92	58.9	0.0	109.4
134	29.0	0.0	51.6

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#86

Hexachloroethane

Concen: 1.952 ug/l

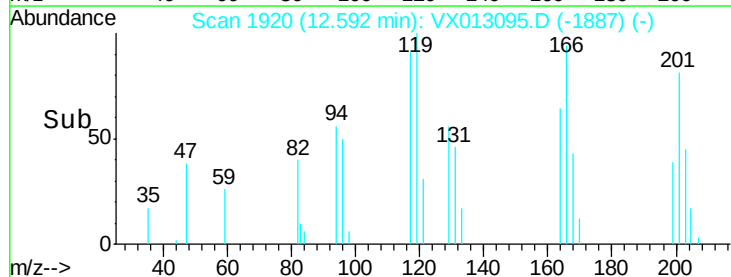
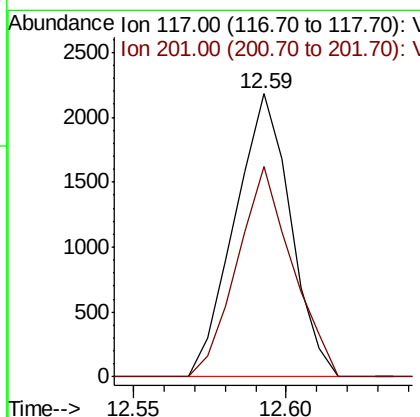
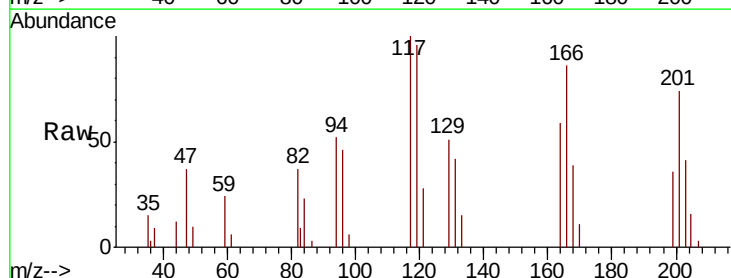
RT: 12.59 min Scan# 1920

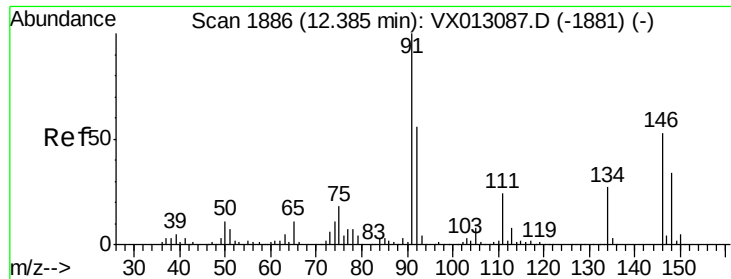
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	117	Resp:	2766
Ion	Ratio	Lower	Upper
117	100		
201	73.3	34.2	102.5





#87

1,2-Dichlorobenzene

Concen: 2.404 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

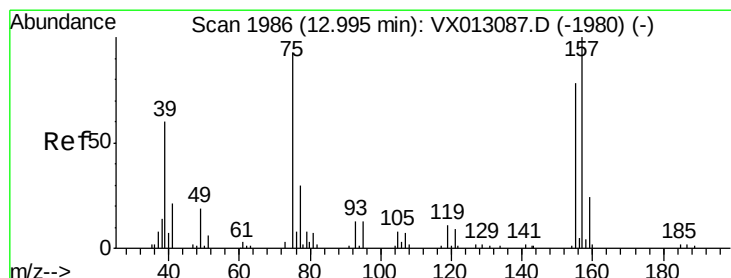
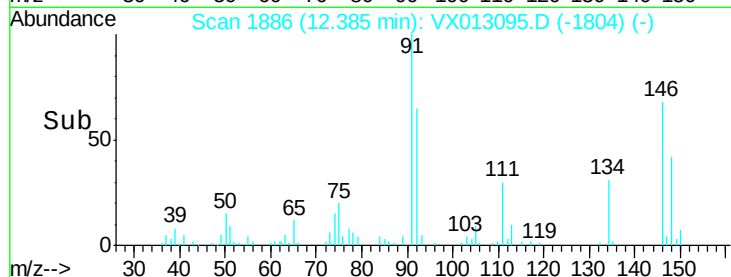
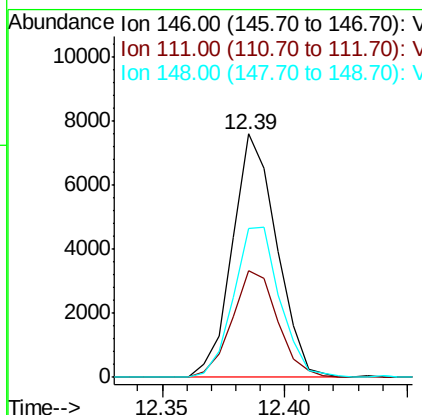
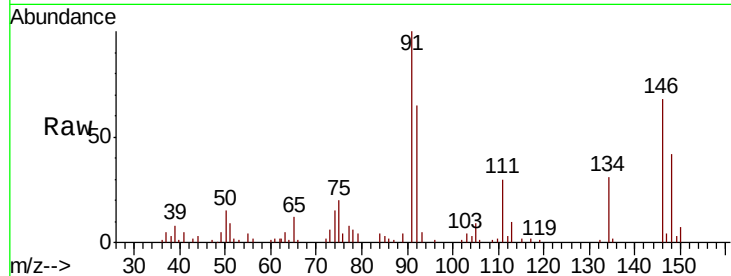
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	146	Resp:	9535
Ion Ratio	Lower	Upper	
146	100		
111	45.3	22.3	66.9
148	64.7	32.7	98.1

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#88

1,2-Dibromo-3-Chloropropane

Concen: 2.230 ug/l

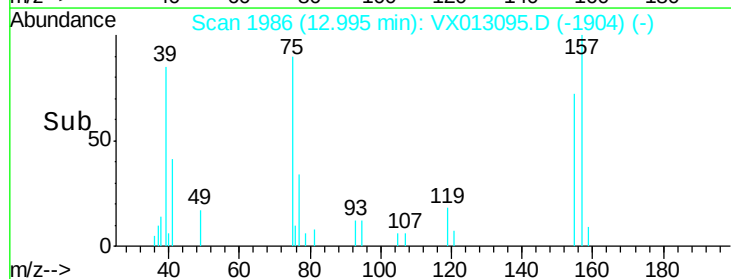
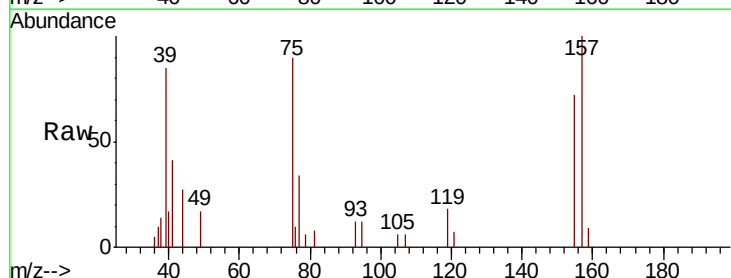
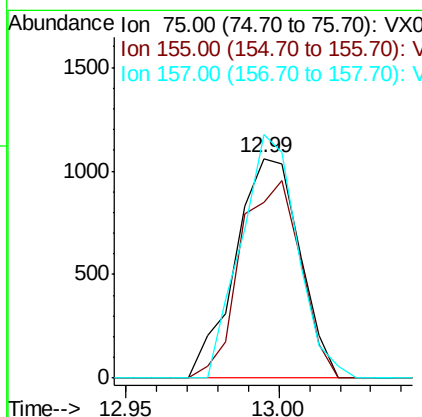
RT: 12.99 min Scan# 1986

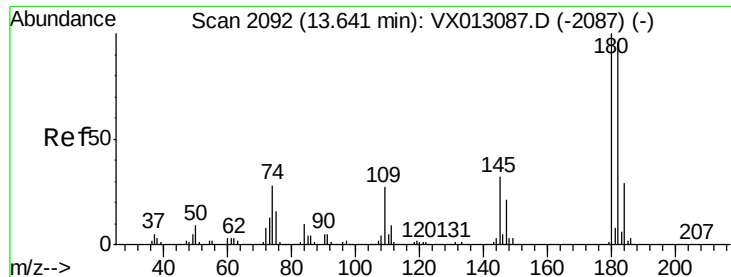
Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Tgt Ion:	75	Resp:	1550
Ion Ratio	Lower	Upper	
75	100		
155	84.1	68.4	102.6
157	97.1	85.6	128.4





#89

1,2,4-Trichlorobenzene

Concen: 2.275 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:180 Resp: 5630

Ion Ratio Lower Upper

180 100

182 93.7 74.8 112.2

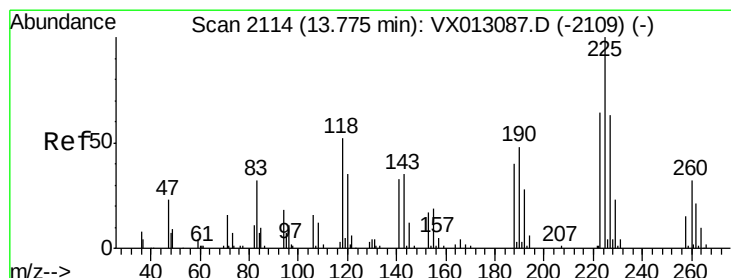
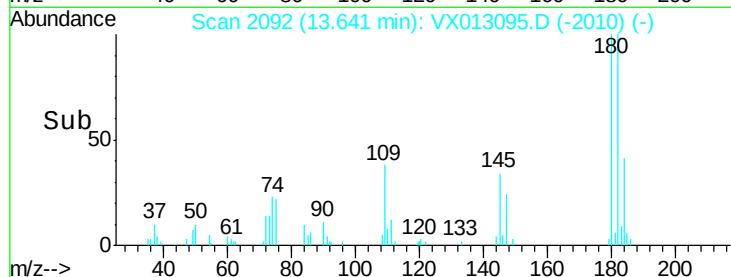
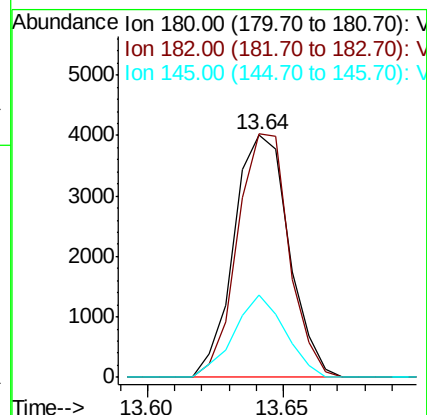
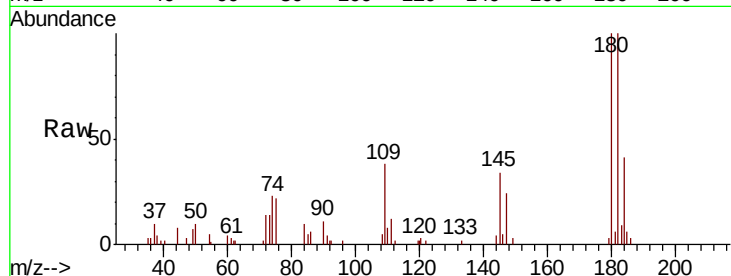
145 31.4 26.2 39.2

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#90

Hexachlorobutadiene

Concen: 2.417 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VX013095.D

Acq: 16 Oct 2019 14:49

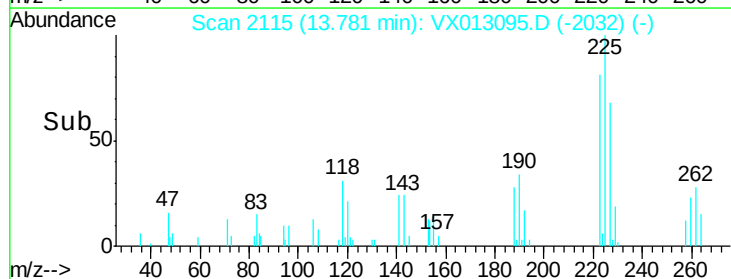
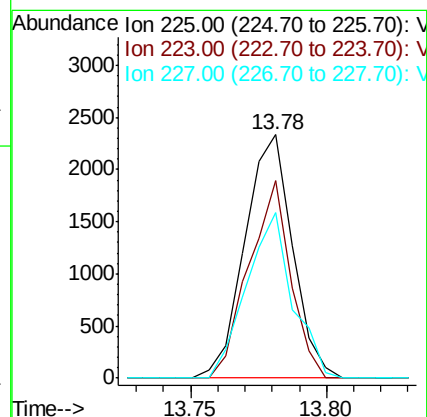
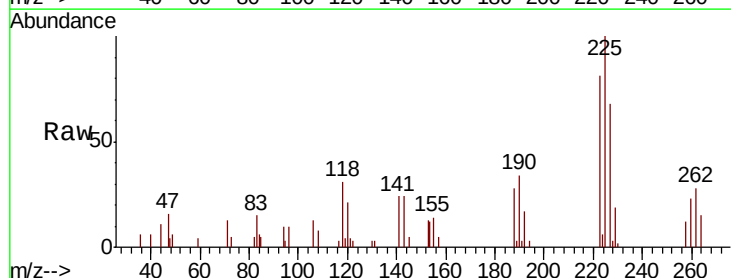
Tgt Ion:225 Resp: 2838

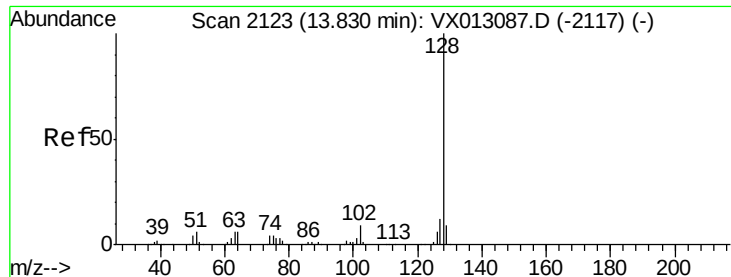
Ion Ratio Lower Upper

225 100

223 70.8 0.0 132.2

227 65.5 0.0 124.2





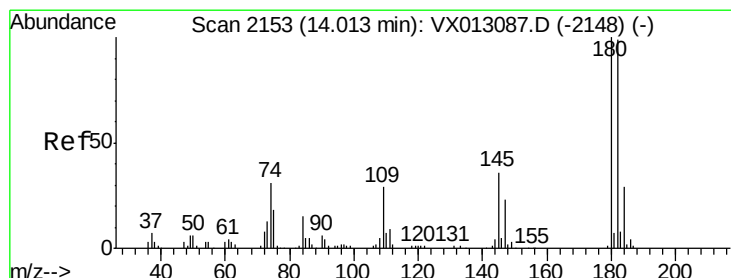
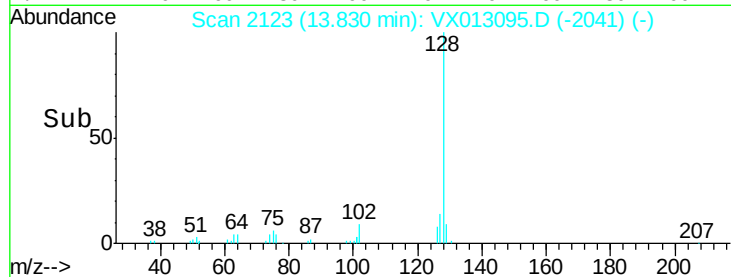
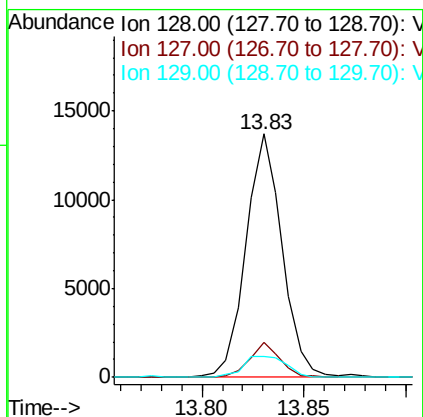
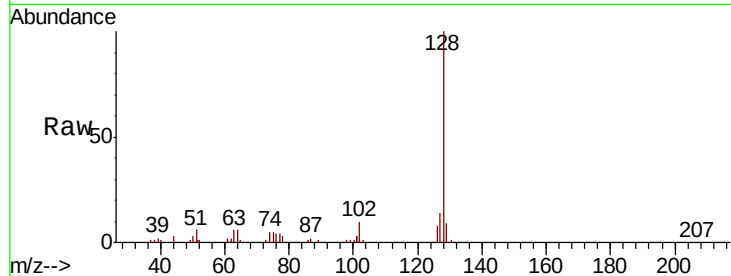
#91
Naphthalene
Concen: 2.005 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.0	15.0
129	10.5	8.0	12.0

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#92
1,2,3-Trichlorobenzene
Concen: 2.267 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013095.D
Acq: 16 Oct 2019 14:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	0.0	195.2
145	37.5	0.0	69.8

