

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101519\
 Data File : VX013073.D
 Acq On : 15 Oct 2019 13:21
 Operator : JC/SP
 Sample : K5111-08 5.0 PPB LOQ
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:50 AM

Quant Time: Oct 16 07:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:02:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	166641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279815	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	113262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	108810	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
35) Dibromofluoromethane	5.49	113	85113	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
50) Toluene-d8	8.71	98	321776	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.14	95	117666	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	8700	5.122	ug/l	95
3) Chloromethane	1.32	50	9928	5.371	ug/l	94
4) Vinyl Chloride	1.40	62	9483	4.970	ug/l	96
5) Bromomethane	1.63	94	4540	5.724	ug/l	96
6) Chloroethane	1.71	64	7120	6.340	ug/l	100
7) Trichlorofluoromethane	1.92	101	14603	5.670	ug/l	91
8) Diethyl Ether	2.18	74	5584	5.372	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	9264	5.558	ug/l	94
10) Methyl Iodide	2.50	142	7845	4.784	ug/l	97
11) Tert butyl alcohol	3.04	59	18082	32.749	ug/l	95
12) 1,1-Dichloroethene	2.36	96	8931	5.303	ug/l	99
13) Acrolein	2.28	56	8465	21.574	ug/l	97
14) Allyl chloride	2.72	41	15390	5.132	ug/l	100
15) Acrylonitrile	3.14	53	27964	26.726	ug/l	98
16) Acetone	2.44	43	27240	24.812	ug/l	98
17) Carbon Disulfide	2.56	76	20894	4.351	ug/l	97
18) Methyl Acetate	2.76	43	14303	5.497	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	32322	5.558	ug/l	97
20) Methylene Chloride	2.85	84	11274	5.588	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	9788	5.423	ug/l	90
22) Diisopropyl ether	3.85	45	30888	5.375	ug/l	# 92
23) Vinyl Acetate	3.81	43	124754	25.148	ug/l	98
24) 1,1-Dichloroethane	3.69	63	17848	5.521	ug/l	99
25) 2-Butanone	4.66	43	40119	26.340	ug/l	95
26) 2,2-Dichloropropane	4.58	77	13922	5.121	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	11056	5.314	ug/l	95
28) Bromochloromethane	5.00	49	5504	5.944	ug/l	98
29) Tetrahydrofuran	5.12	42	24276	25.901	ug/l	98
30) Chloroform	5.20	83	18152	5.472	ug/l	97
31) Cyclohexane	5.57	56	14804	4.897	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	15190	5.404	ug/l	99
36) 1,1-Dichloropropene	5.79	75	12979	5.276	ug/l	96
37) Ethyl Acetate	4.83	43	14315	5.204	ug/l	99
38) Carbon Tetrachloride	5.78	117	12507	5.223	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	15482	5.189	ug/l	88
40) Benzene	6.13	78	40465	5.569	ug/l	97
41) Methacrylonitrile	5.04	41	7363	4.871	ug/l	92
42) 1,2-Dichloroethane	6.19	62	15087	5.786	ug/l	99
43) Isopropyl Acetate	6.44	43	22563	5.110	ug/l	98
44) Trichloroethene	7.21	130	10539	5.231	ug/l	95
45) 1,2-Dichloropropane	7.51	63	10483	5.661	ug/l	93
46) Dibromomethane	7.65	93	6724	5.450	ug/l	96
47) Bromodichloromethane	7.89	83	12161	5.051	ug/l #	95
48) Methyl methacrylate	7.76	41	10810	5.024	ug/l	98
49) 1,4-Dioxane	7.73	88	5693	109.440	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	72834	26.458	ug/l	100
52) Toluene	8.78	92	25401	5.464	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	12369	4.640	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	14392	4.860	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	10030	5.452	ug/l	95
56) Ethyl methacrylate	9.17	69	15282	5.130	ug/l	99
57) 1,3-Dichloropropane	9.37	76	16868	5.301	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	34472	25.508	ug/l	100
59) 2-Hexanone	9.49	43	55203	25.761	ug/l	99
60) Dibromochloromethane	9.58	129	9091	5.043	ug/l	96
61) 1,2-Dibromoethane	9.67	107	10523	5.438	ug/l	98
64) Tetrachloroethene	9.33	164	10379	6.048	ug/l	97
65) Chlorobenzene	10.14	112	27107	5.517	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.22	131	9252	5.431	ug/l	96
67) Ethyl Benzene	10.25	91	45803	5.248	ug/l	90
68) m/p-Xylenes	10.36	106	35103	10.766	ug/l	96
69) o-Xylene	10.70	106	17431	5.482	ug/l	98
70) Styrene	10.71	104	28151	5.208	ug/l	97
71) Bromoform	10.86	173	5551	4.521	ug/l #	98
73) Isopropylbenzene	11.01	105	44148	5.302	ug/l	98
74) N-amyl acetate	10.89	43	17315	4.828	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	15233	5.500	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	13996m	5.571	ug/l	
77) Bromobenzene	11.25	156	11527	5.874	ug/l	94
78) n-propylbenzene	11.35	91	46105	5.032	ug/l	100
79) 2-Chlorotoluene	11.42	91	30992	5.382	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	37240	5.356	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	3702	4.170	ug/l	91
82) 4-Chlorotoluene	11.51	91	35396	5.363	ug/l	98
83) tert-Butylbenzene	11.76	119	36175	5.333	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	36146	5.133	ug/l	98
85) sec-Butylbenzene	11.94	105	40662	5.174	ug/l	99
86) p-Isopropyltoluene	12.06	119	37383	5.129	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	18936	5.197	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	19786	5.361	ug/l	96
89) n-Butylbenzene	12.39	91	28407	4.638	ug/l	99
90) Hexachloroethane	12.59	117	5465	4.629	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	19362	5.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3272	5.040	ug/l	92

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LOQ-WATER-02-QT4-2019

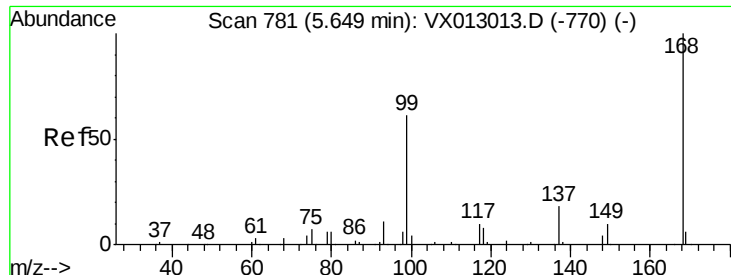
Manual Integrations
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10/16/2019 9:57:50 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	10436	4.663	ug/l	99
94) Hexachlorobutadiene	13.78	225	4590	4.444	ug/l	90
95) Naphthalene	13.83	128	36504	4.706	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	11313	4.892	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:168 Resp: 166641

Ion Ratio Lower Upper

168 100

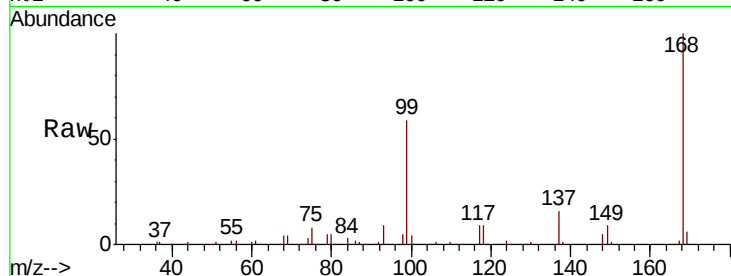
99 58.9 49.4 74.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

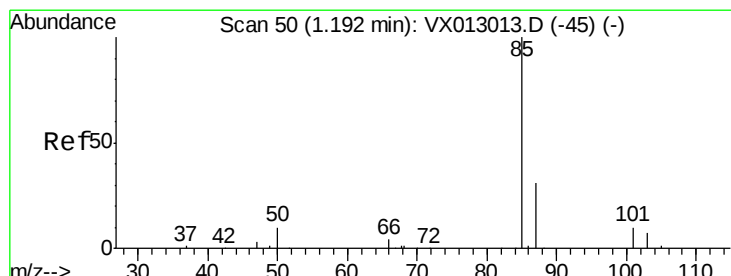
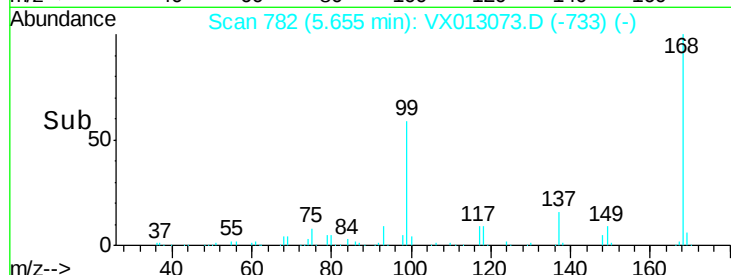
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 5.122 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013073.D

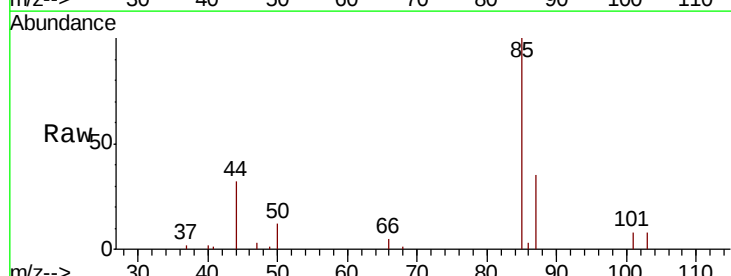
Acq: 15 Oct 2019 13:21

Tgt Ion: 85 Resp: 8700

Ion Ratio Lower Upper

85 100

87 35.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

8000

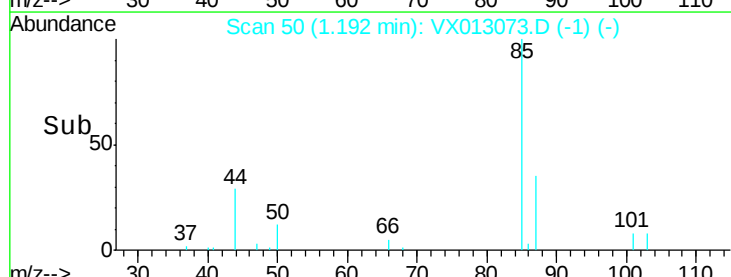
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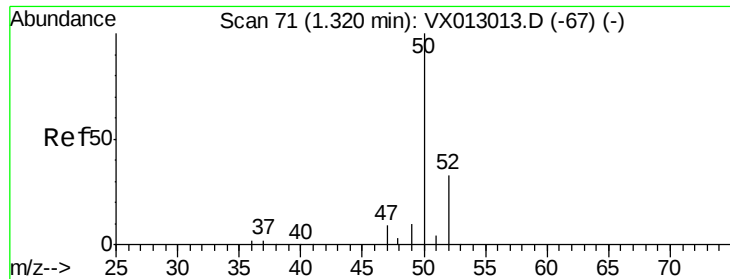
4000

2000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 5.371 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 9928

Ion Ratio Lower Upper

50 100

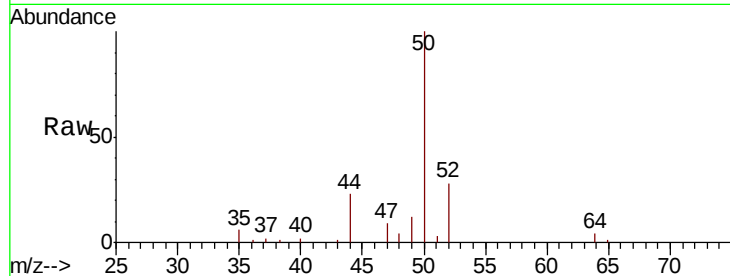
52 28.2 25.2 37.8

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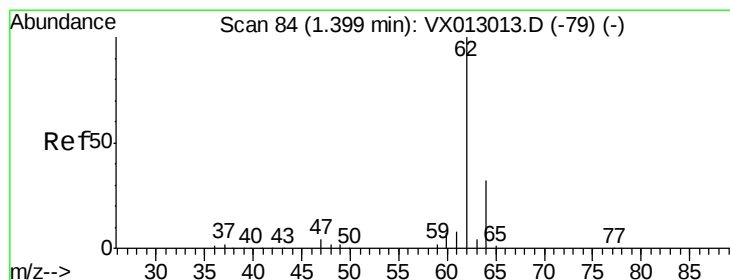
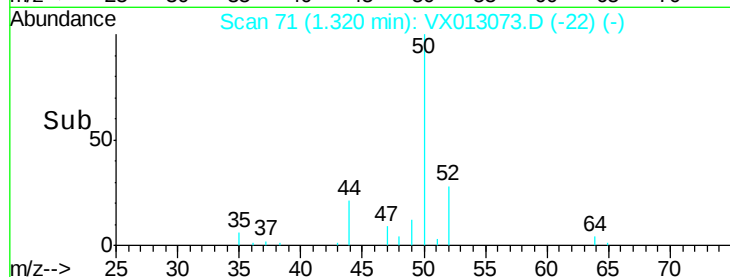
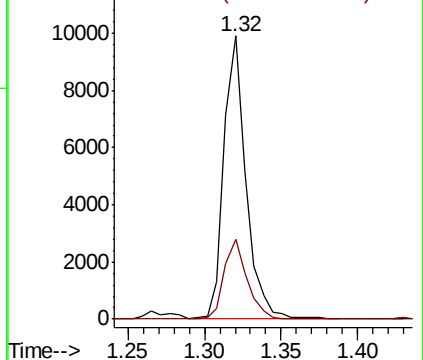
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.970 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013073.D

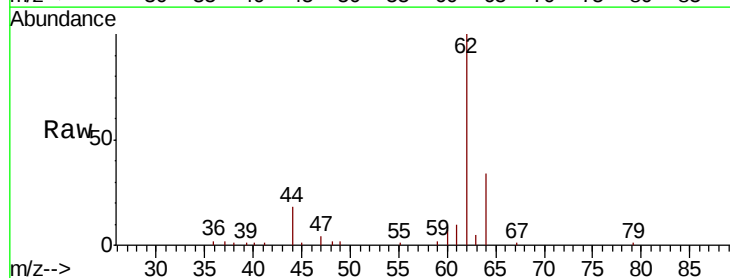
Acq: 15 Oct 2019 13:21

Tgt Ion: 62 Resp: 9483

Ion Ratio Lower Upper

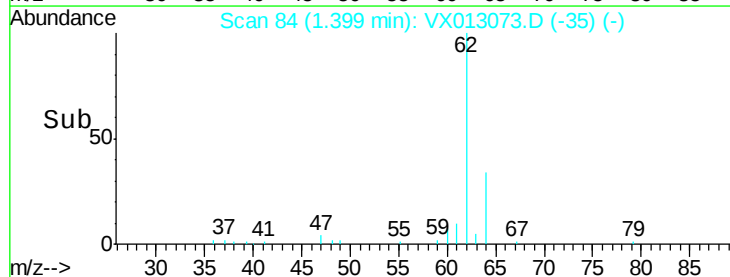
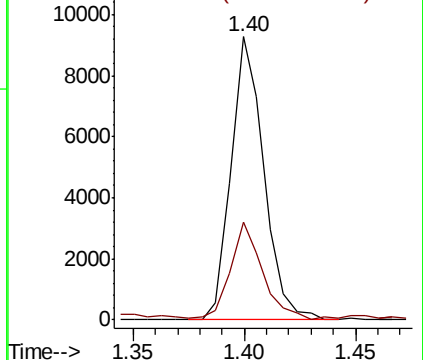
62 100

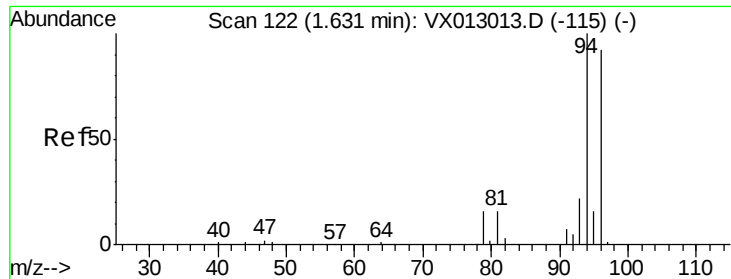
64 33.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 5.724 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 4540

Ion Ratio Lower Upper

94 100

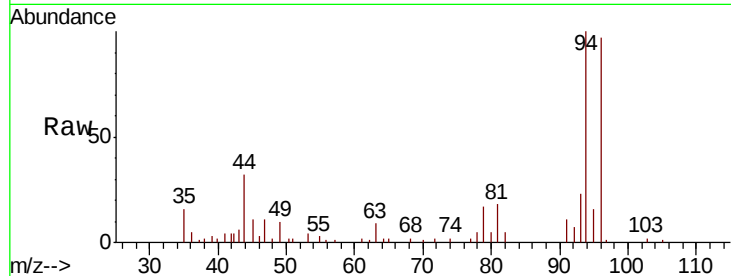
96 97.1 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

4500

4000

3000

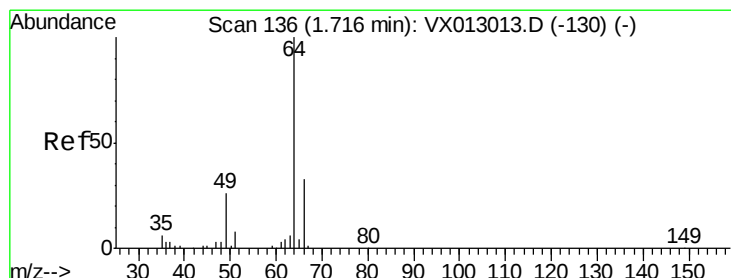
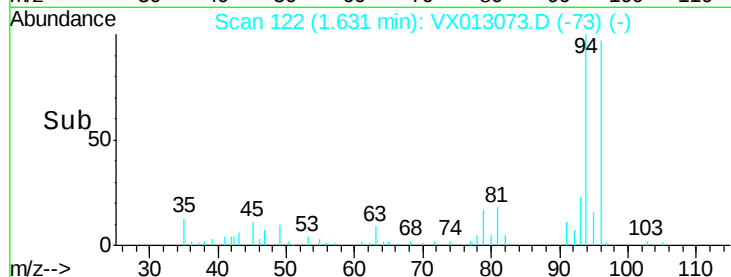
2000

1000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 6.340 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013073.D

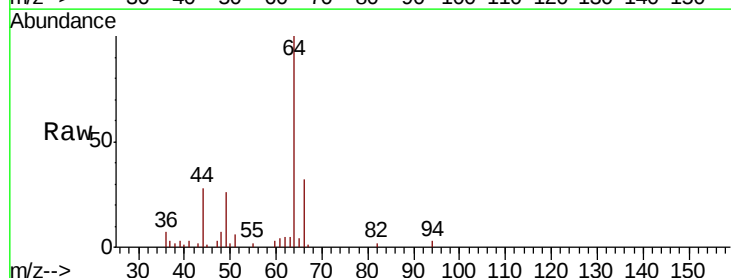
Acq: 15 Oct 2019 13:21

Tgt Ion: 64 Resp: 7120

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

5000

4000

3000

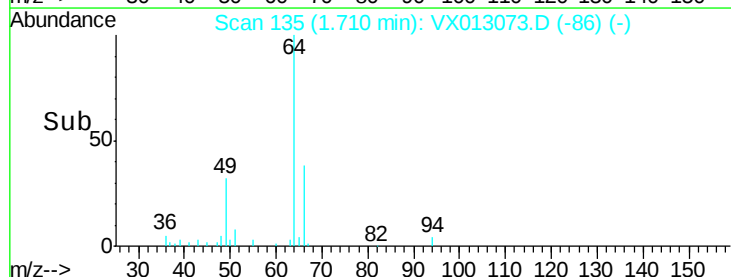
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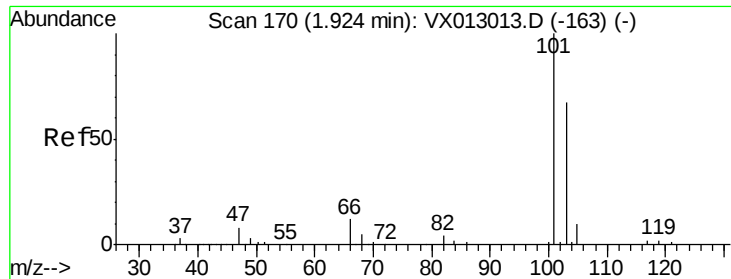
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0

Time-->

1.65 1.70 1.75





#7

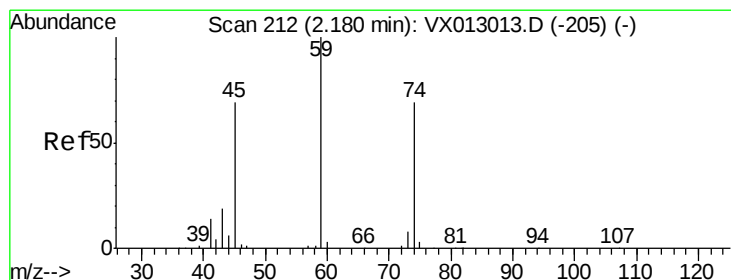
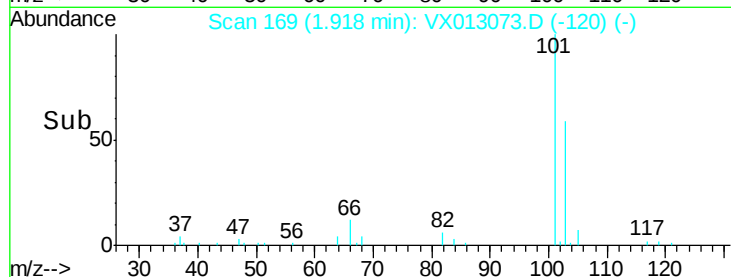
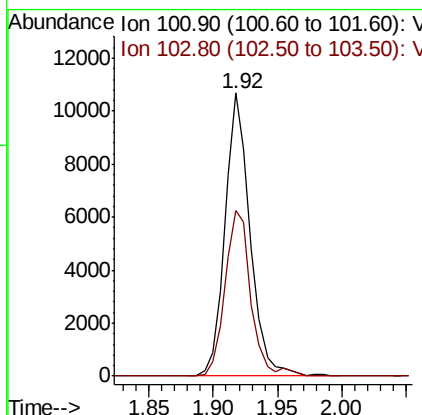
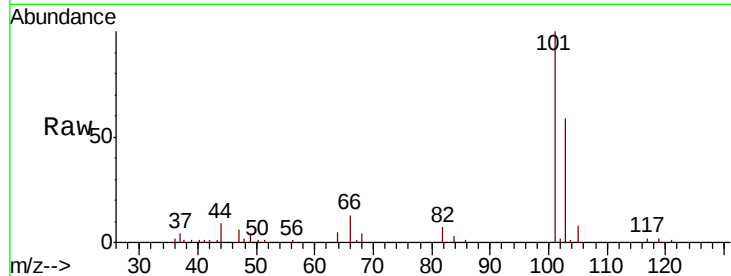
Trichlorofluoromethane
Concen: 5.670 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:101 Resp: 14603
Ion Ratio Lower Upper
101 100
103 58.7 52.5 78.7

Manual Integrations
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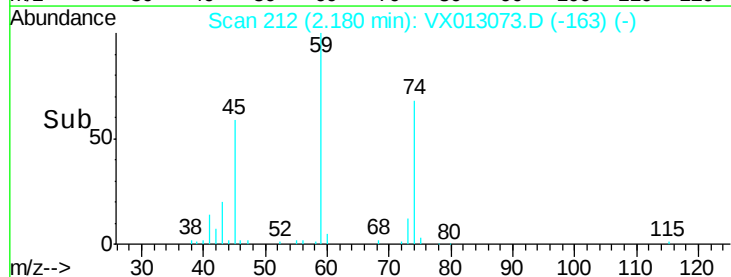
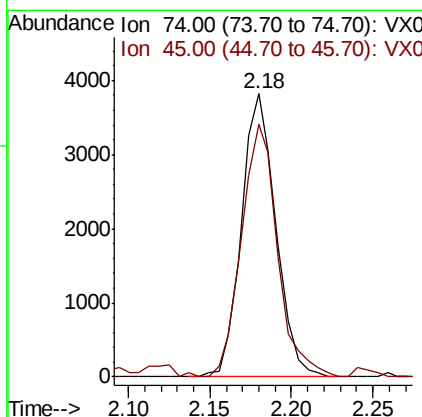
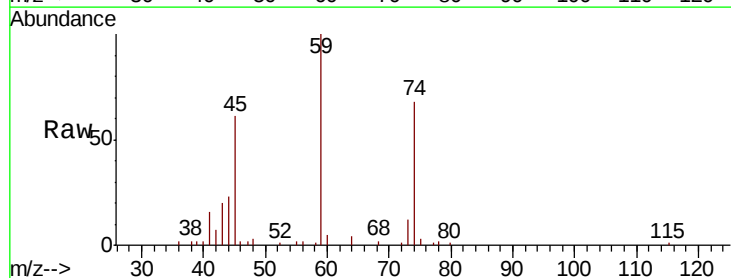
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10/16/2019 9:57:50 AM

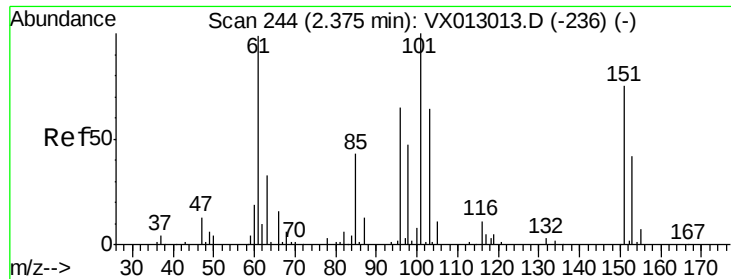


#8

Diethyl Ether
Concen: 5.372 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion: 74 Resp: 5584
Ion Ratio Lower Upper
74 100
45 94.0 47.8 143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.558 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

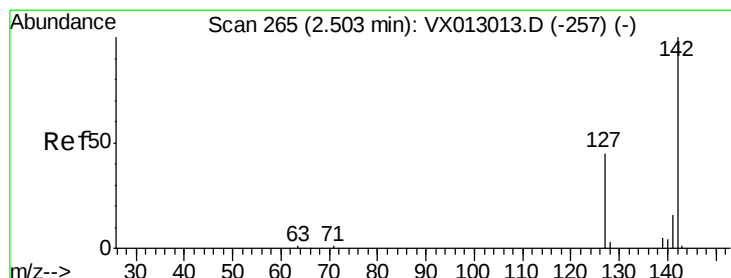
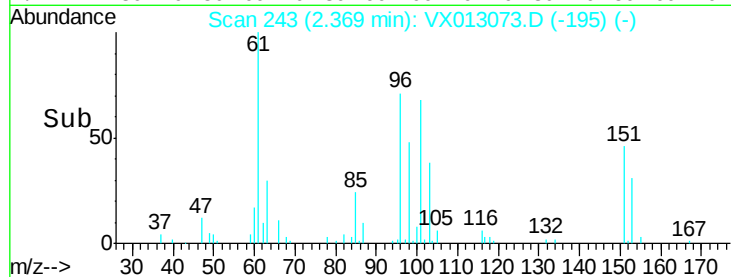
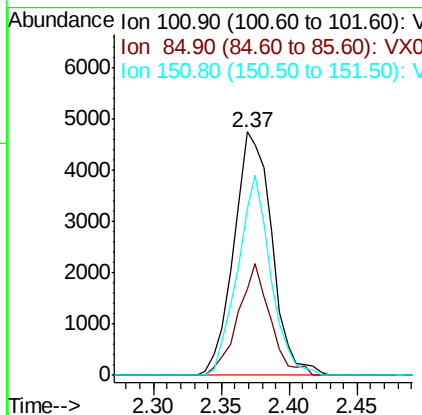
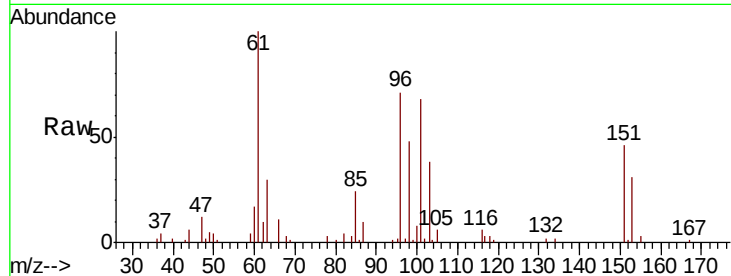
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	101	Resp:	9264
Ion Ratio	Lower	Upper	
101	100		
85	39.0	35.2	52.8
151	71.5	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 4.784 ug/l

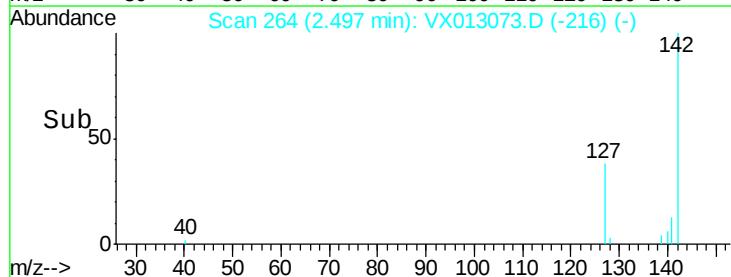
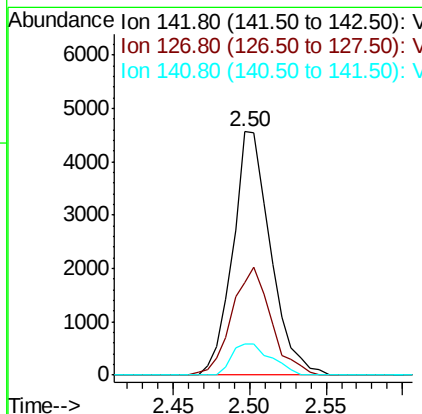
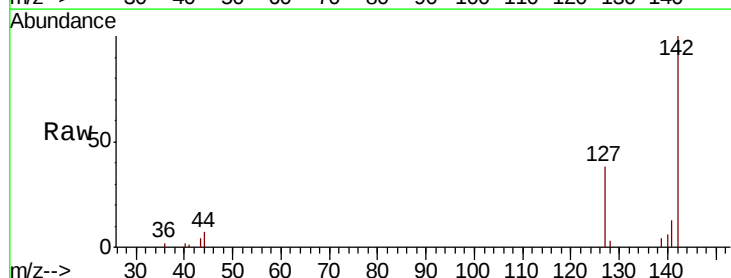
RT: 2.50 min Scan# 264

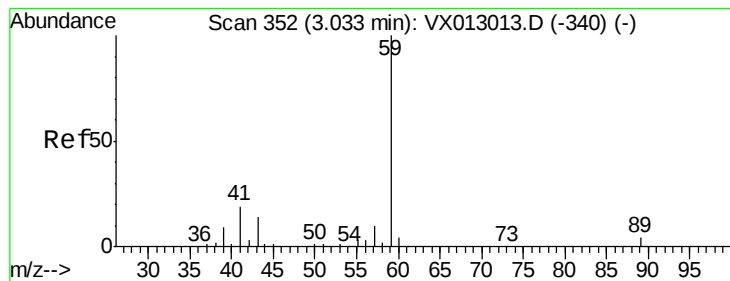
Delta R.T. -0.01 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	142	Resp:	7845
Ion Ratio	Lower	Upper	
142	100		
127	45.4	34.9	52.3
141	13.3	11.6	17.4





#11

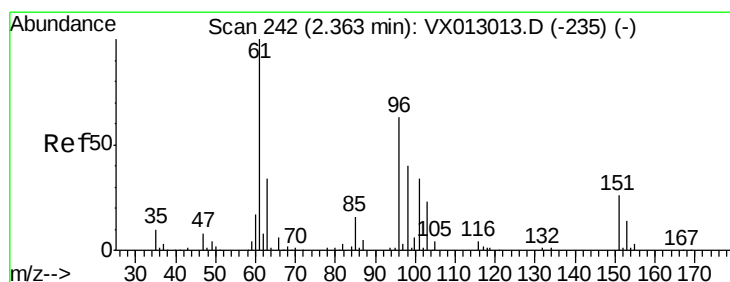
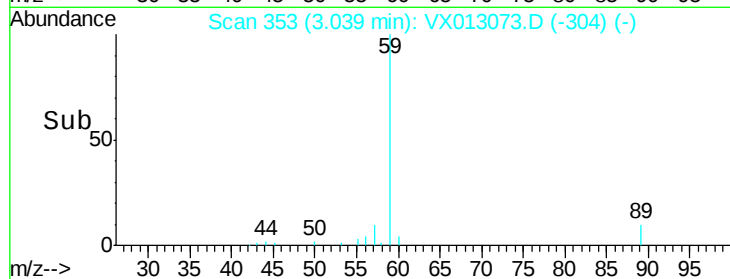
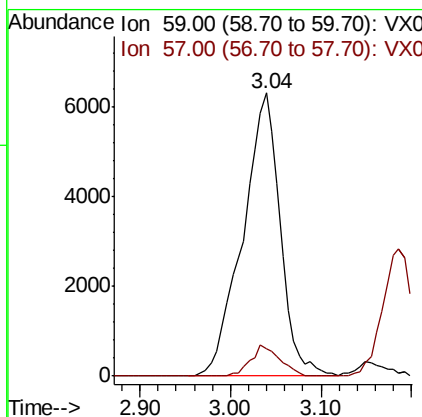
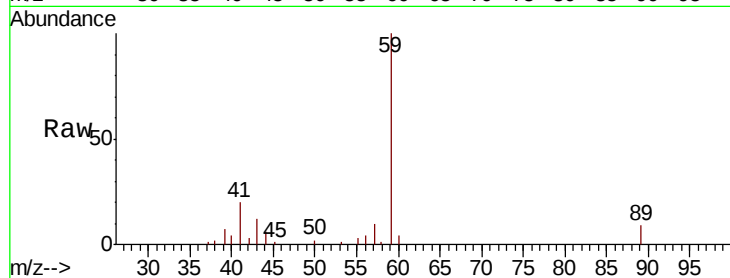
Tert butyl alcohol
Concen: 32.749 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59.00	59	100	18082		
57.00	57	8.4		8.3	12.5

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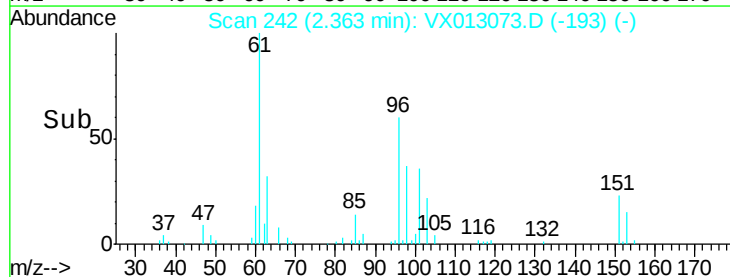
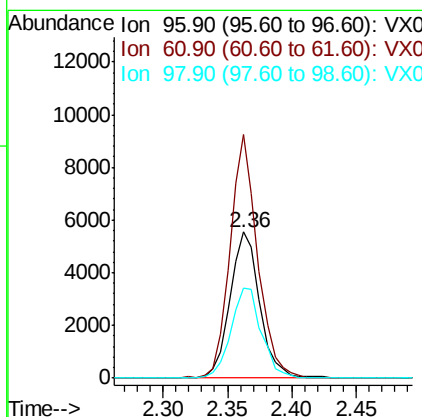
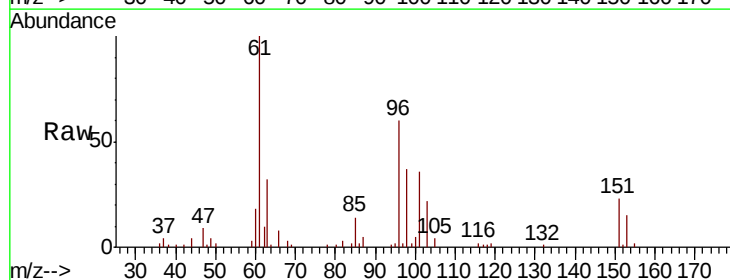
MMDadoda
10/16/2019 9:57:50 AM

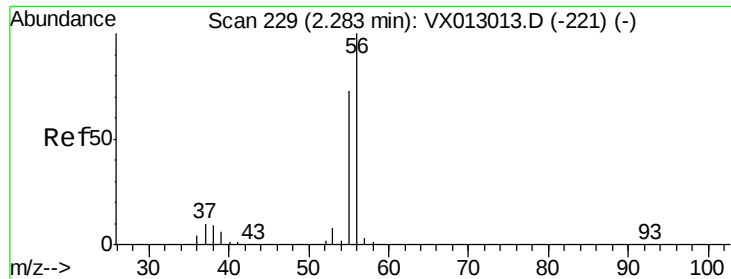


#12

1,1-Dichloroethene
Concen: 5.303 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96.00	96	100	8931		
61.00	61	166.8		132.2	198.4
98.00	98	61.9		50.5	75.7





#13

Acrolein

Concen: 21.574 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 8465

Ion Ratio Lower Upper

56 100

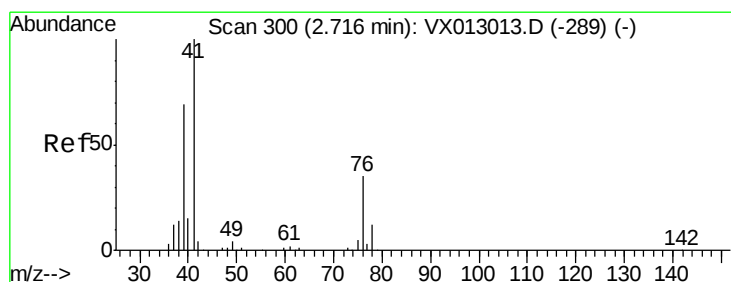
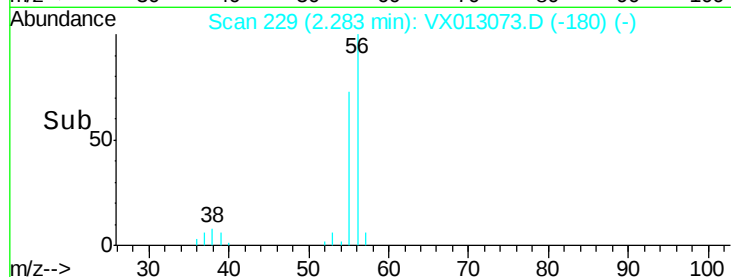
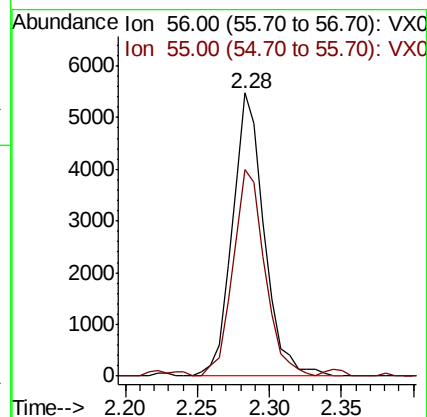
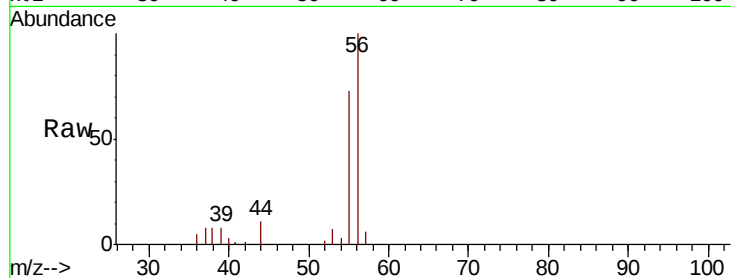
55 73.2 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 5.132 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

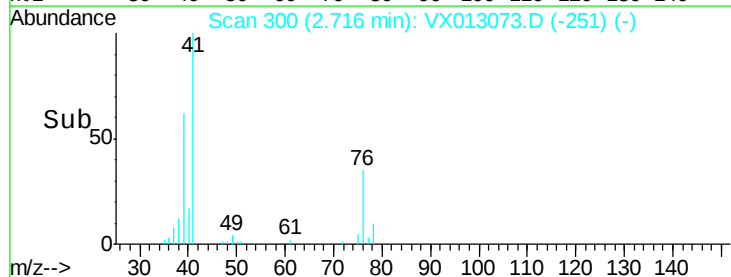
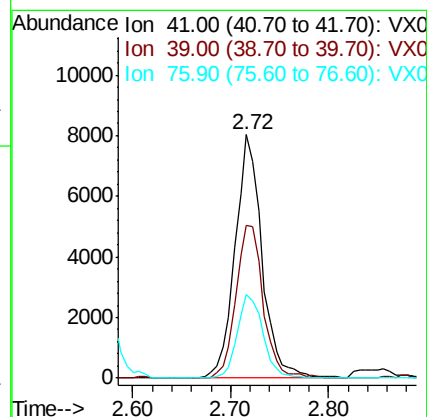
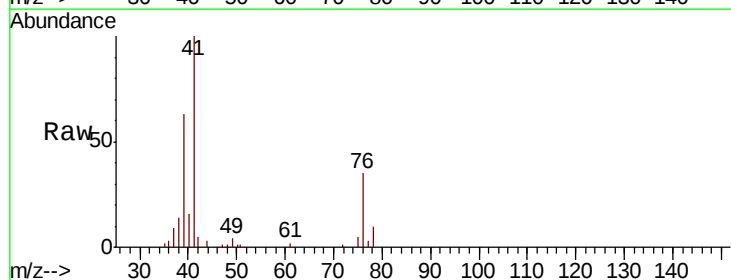
Tgt Ion: 41 Resp: 15390

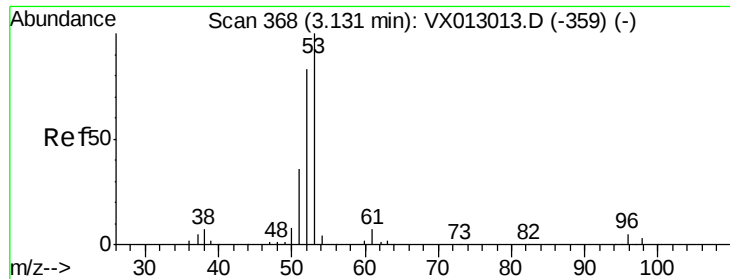
Ion Ratio Lower Upper

41 100

39 63.5 51.0 76.6

76 32.8 26.2 39.4





#15

Acrylonitrile

Concen: 26.726 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

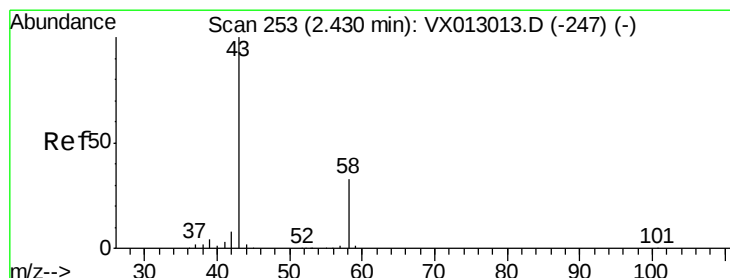
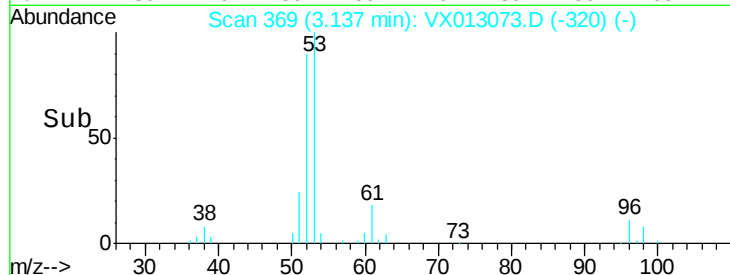
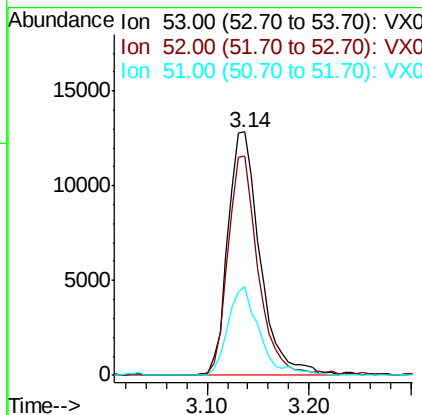
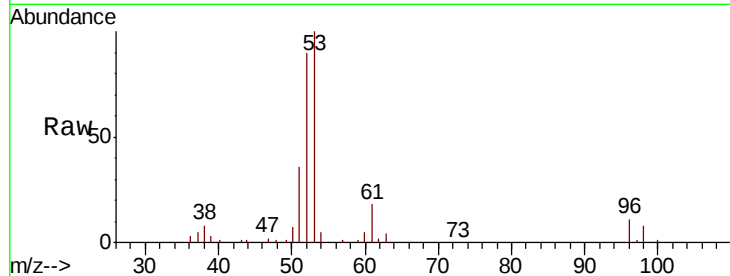
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	53	Resp:	27964
Ion	Ratio	Lower	Upper
53	100		
52	85.1	66.2	99.2
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 24.812 ug/l

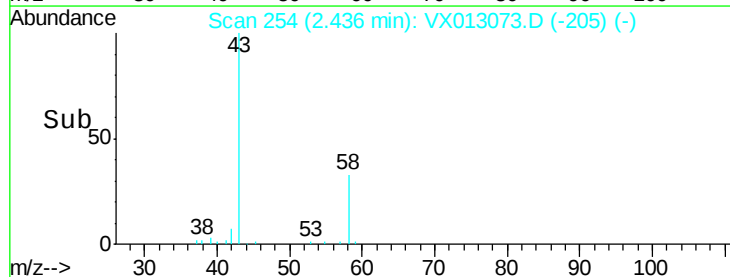
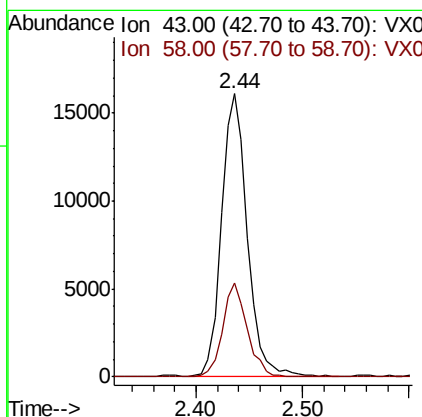
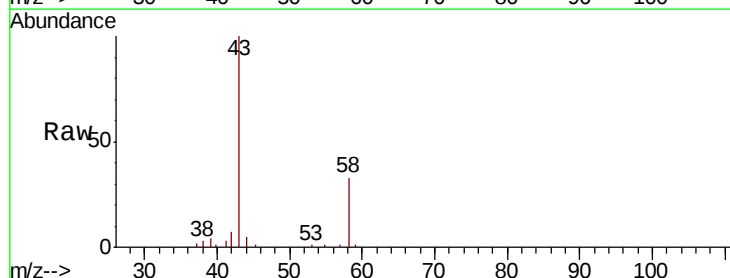
RT: 2.44 min Scan# 254

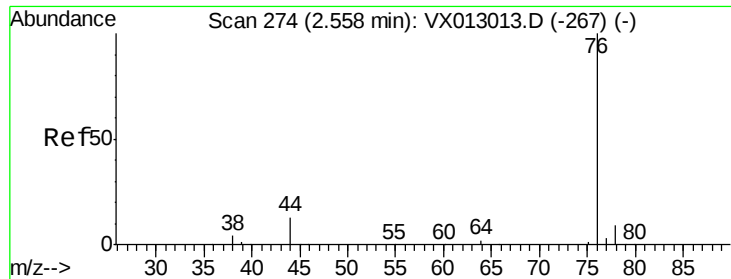
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	43	Resp:	27240
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.4	38.2





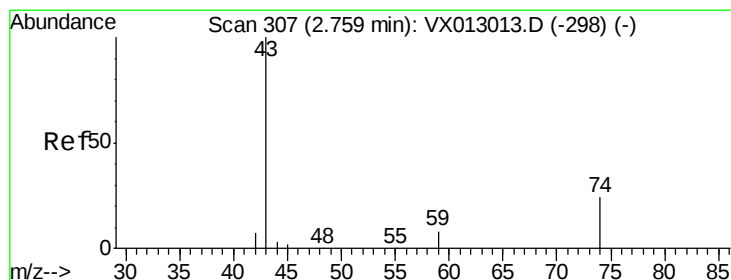
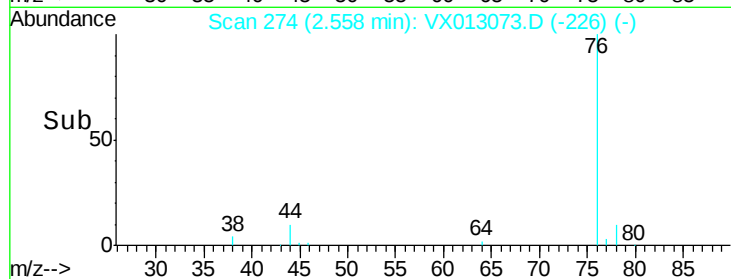
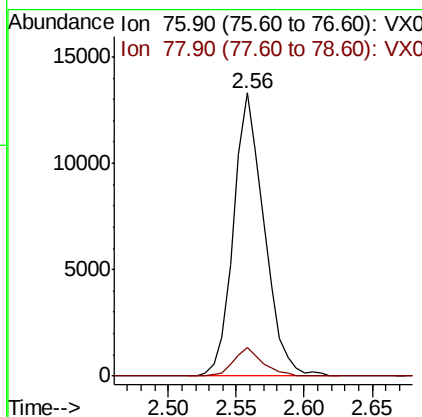
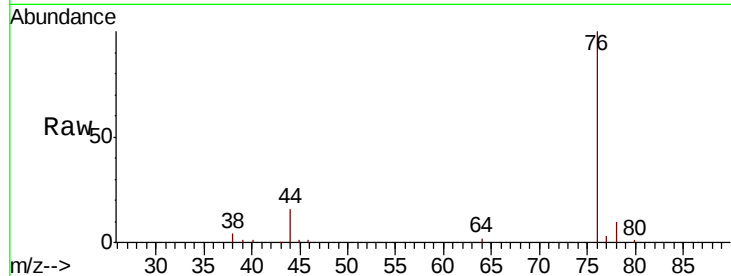
#17
Carbon Disulfide
Concen: 4.351 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.1	10.7

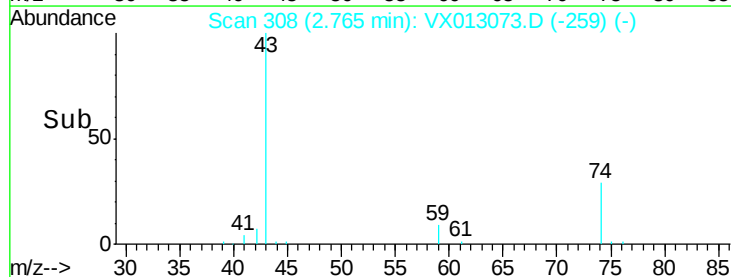
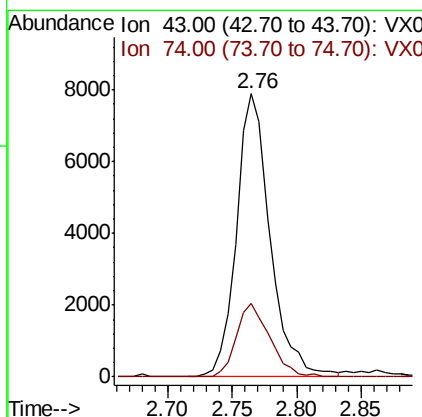
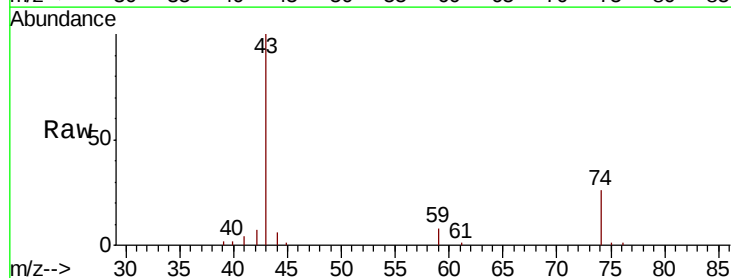
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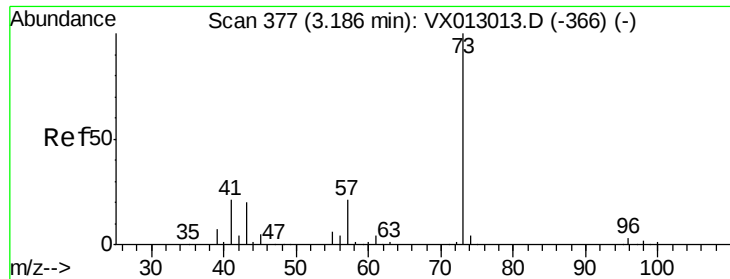
MMDadoda
10/16/2019 9:57:50 AM



#18
Methyl Acetate
Concen: 5.497 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.2	28.8





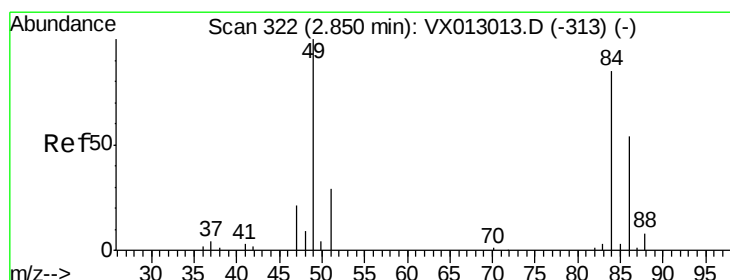
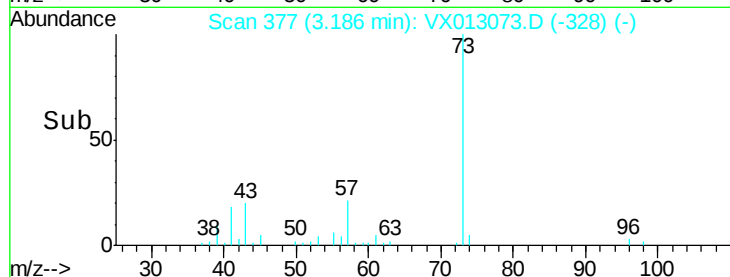
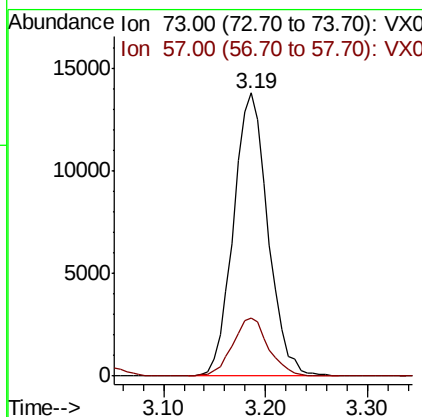
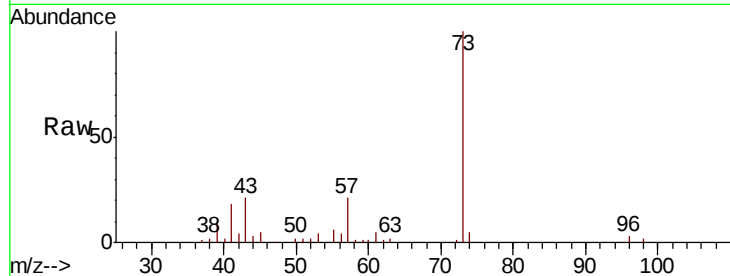
#19
Methyl tert-butyl Ether
Concen: 5.558 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 73 Resp: 32322
Ion Ratio Lower Upper
73 100
57 20.6 17.8 26.6

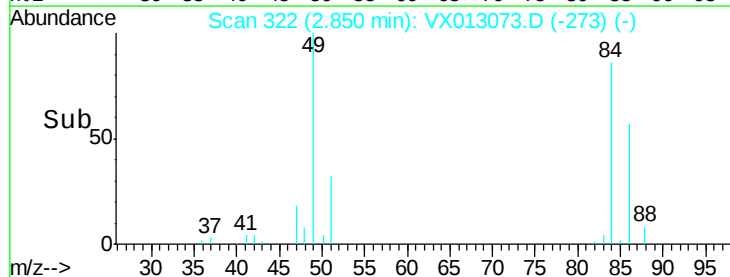
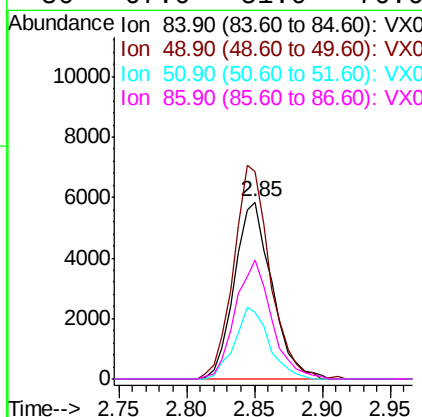
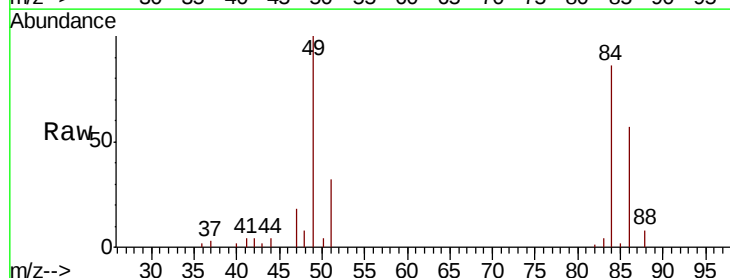
Manual Integrations
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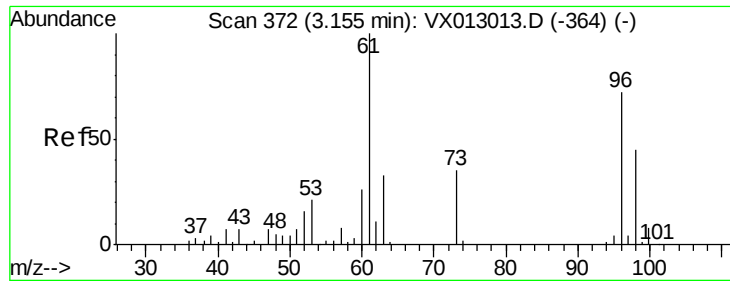
MMDadoda
10/16/2019 9:57:50 AM



#20
Methylene Chloride
Concen: 5.588 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion: 84 Resp: 11274
Ion Ratio Lower Upper
84 100
49 116.9 96.6 144.8
51 37.8 30.7 46.1
86 67.0 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 5.423 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

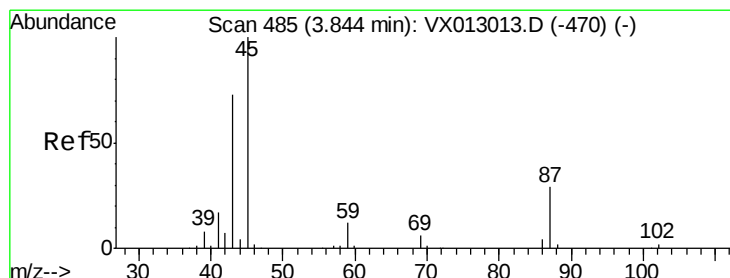
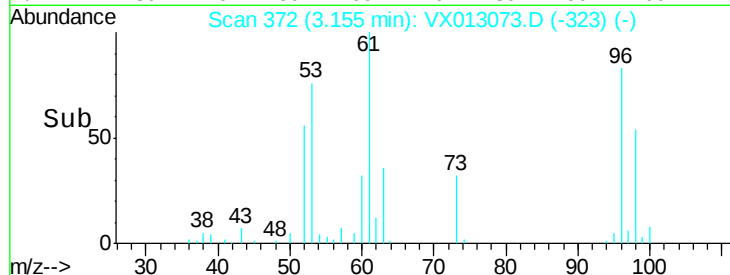
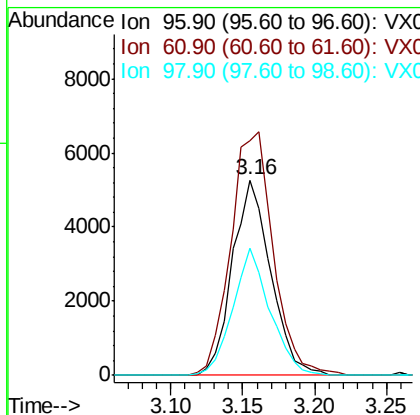
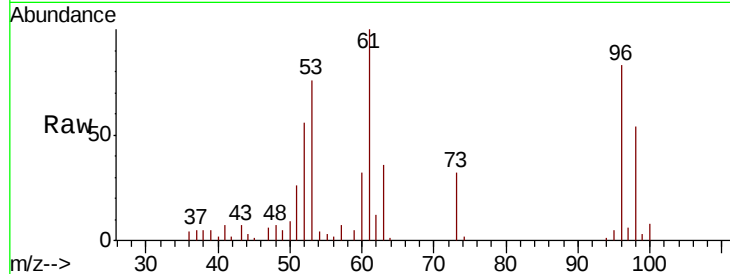
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	96	Resp:	9788
Ion	Ratio	Lower	Upper
96	100		
61	119.9	110.4	165.6
98	64.9	51.5	77.3

Manual Integrations
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10/16/2019 9:57:50 AM



#22

Diisopropyl ether

Concen: 5.375 ug/l

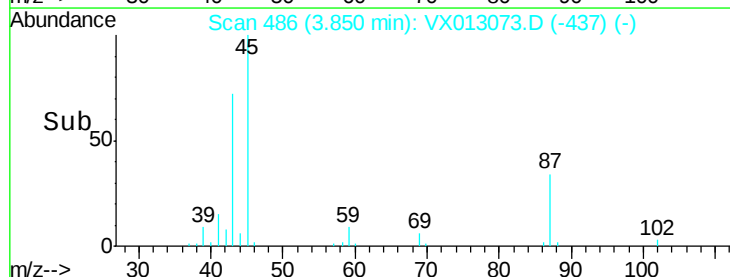
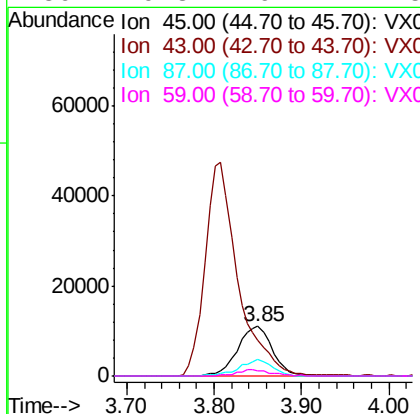
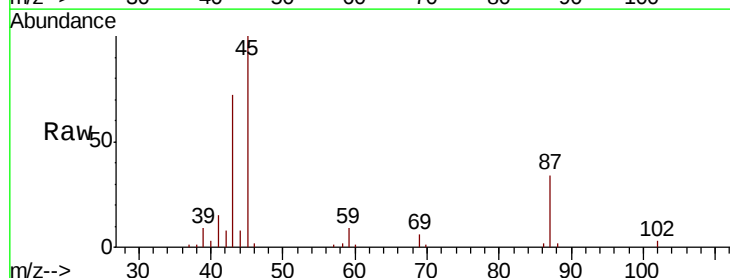
RT: 3.85 min Scan# 486

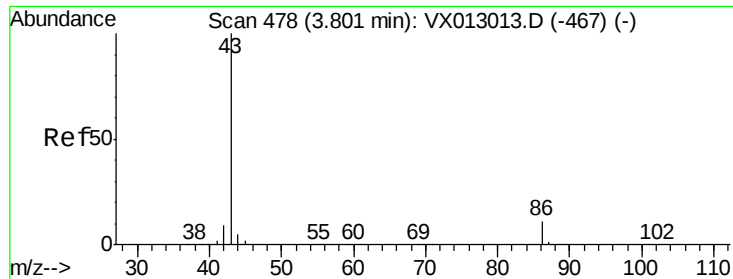
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	45	Resp:	30888
Ion	Ratio	Lower	Upper
45	100		
43	70.2	51.4	77.0
87	33.6	22.5	33.7
59	9.3	9.7	14.5#





#23

Vinyl Acetate

Concen: 25.148 ug/l

RT: 3.81 min Scan# 479

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 124754

Ion Ratio Lower Upper

43 100

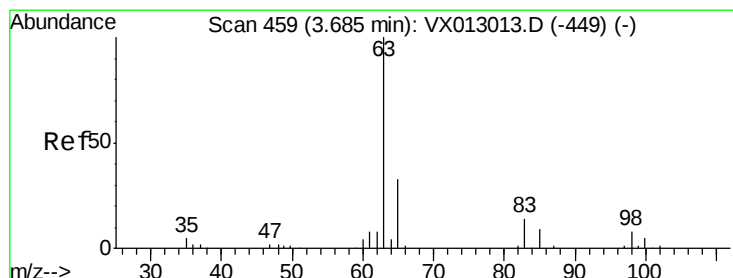
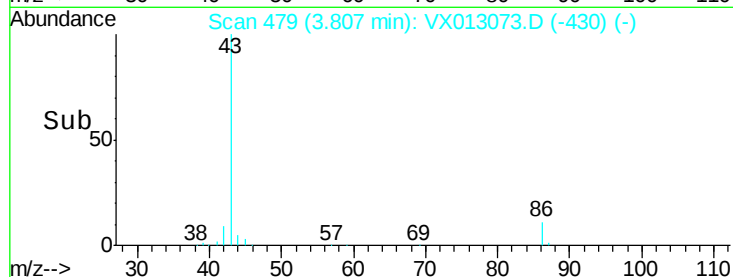
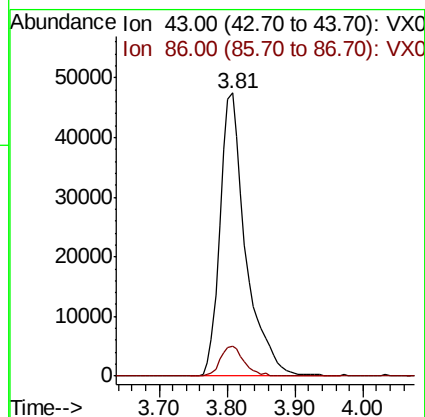
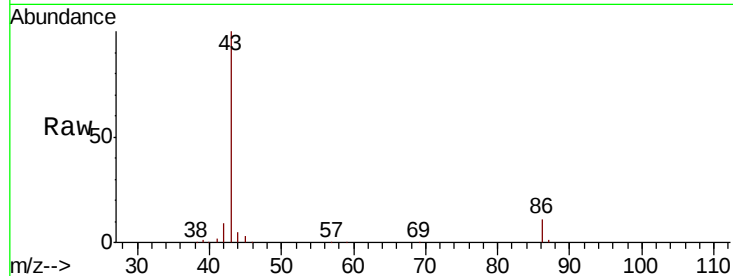
86 10.7 9.0 13.6

Manual Integrations

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10/16/2019 9:57:50 AM



#24

1,1-Dichloroethane

Concen: 5.521 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

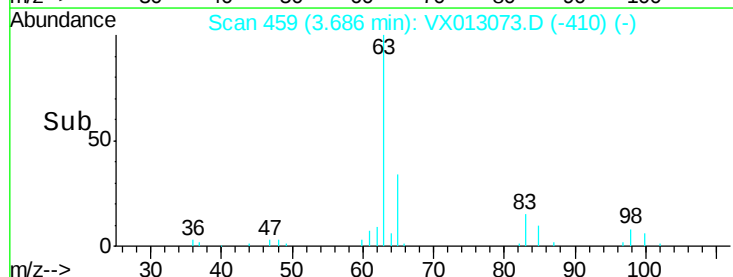
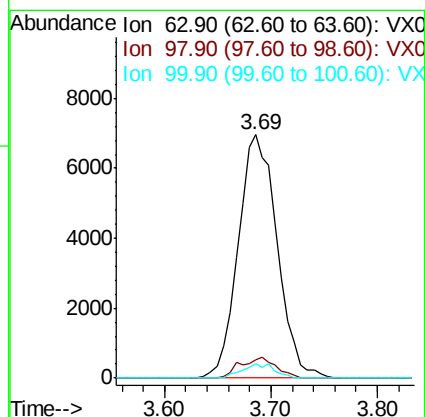
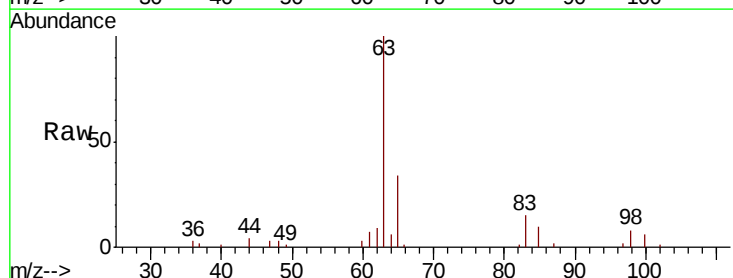
Tgt Ion: 63 Resp: 17848

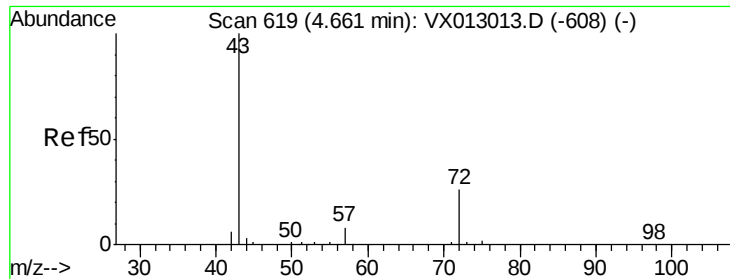
Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

100 5.7 2.3 6.9





#25

2-Butanone

Concen: 26.340 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 40119

Ion Ratio Lower Upper

43 100

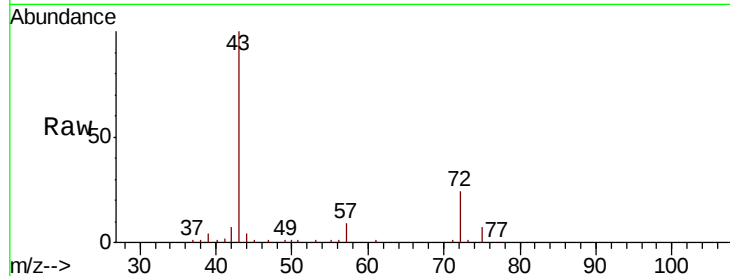
72 23.6 21.0 31.6

Manual Integrations

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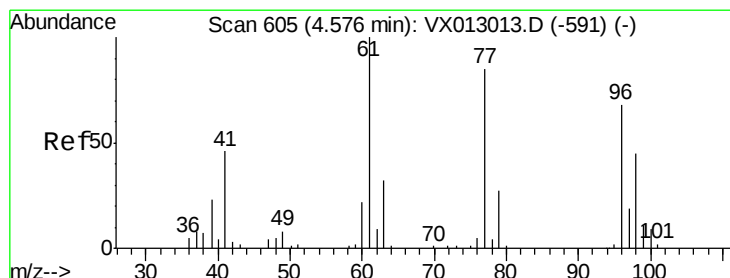
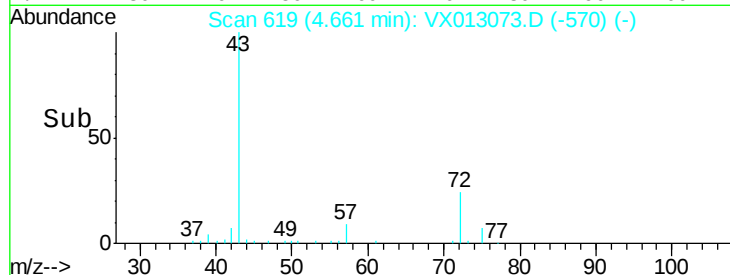
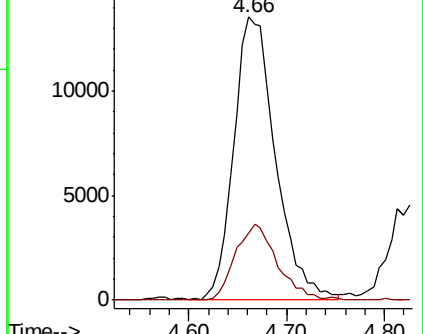
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 5.121 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.01 min

Lab File: VX013073.D

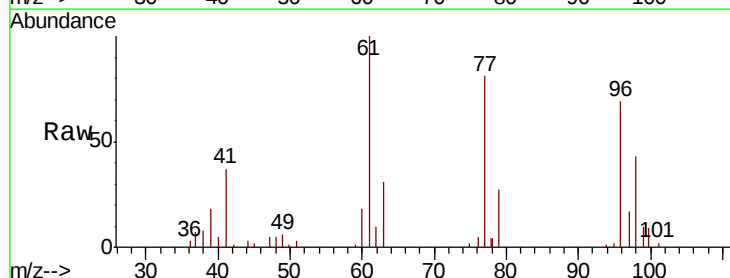
Acq: 15 Oct 2019 13:21

Tgt Ion: 77 Resp: 13922

Ion Ratio Lower Upper

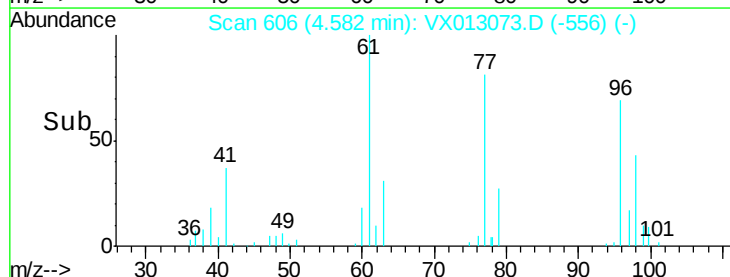
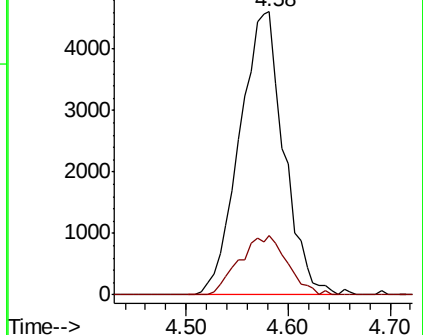
77 100

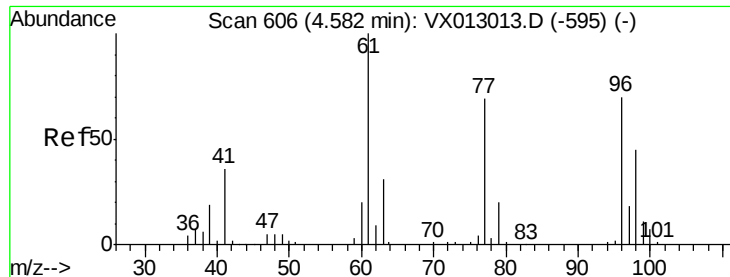
97 22.5 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

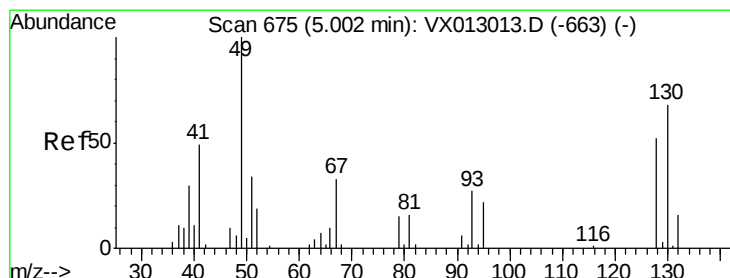
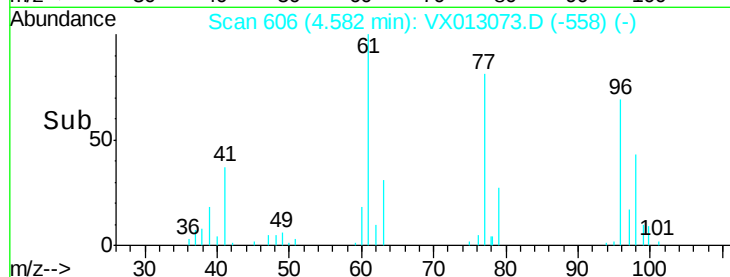
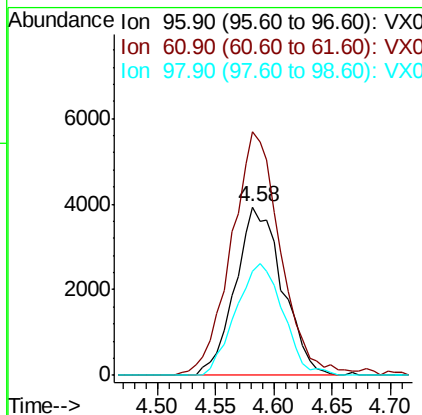
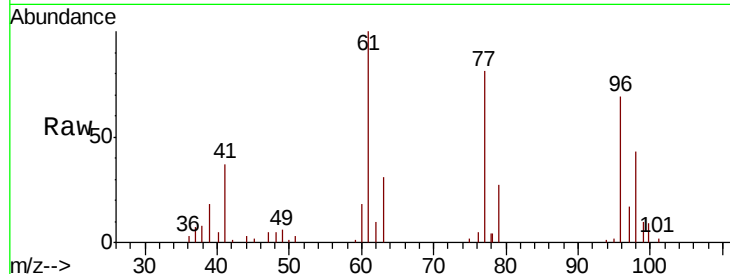
cis-1,2-Dichloroethene
Concen: 5.314 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	290.6
98	66.9	0.0	128.8

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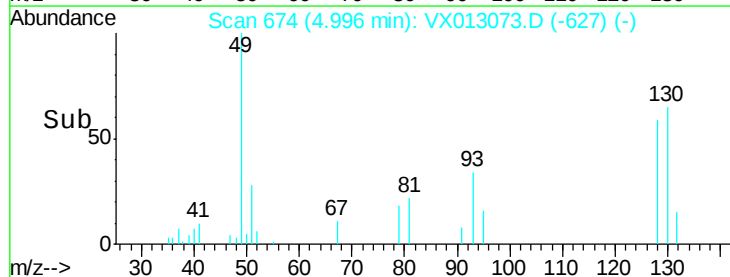
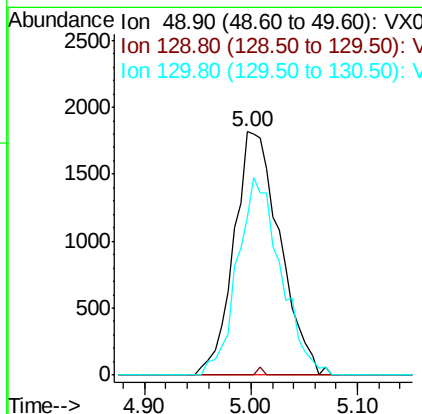
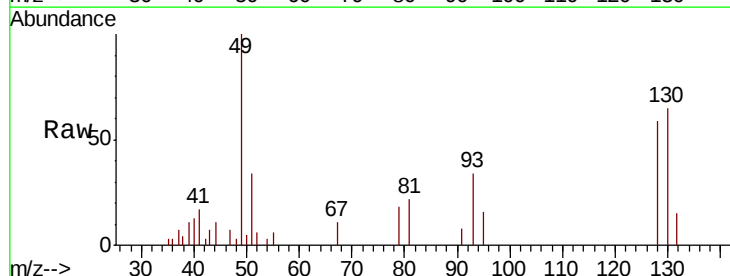
MMDadoda
10/16/2019 9:57:50 AM

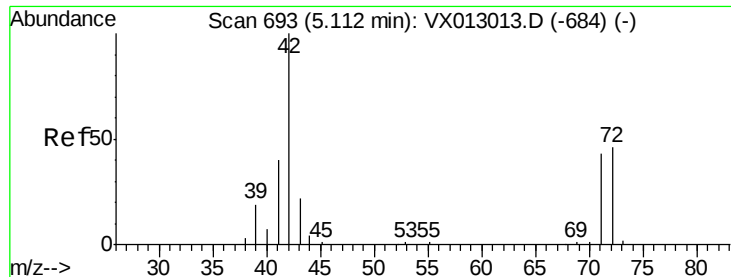


#28

Bromochloromethane
Concen: 5.944 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.2
130	76.3	62.1	93.1





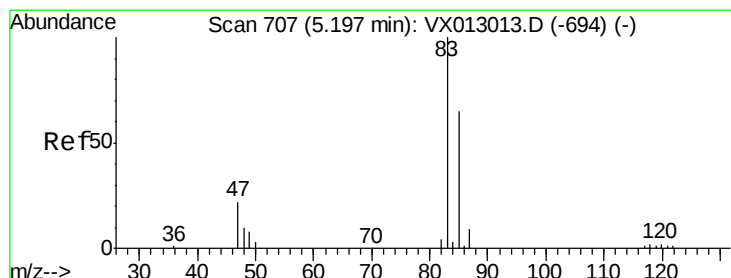
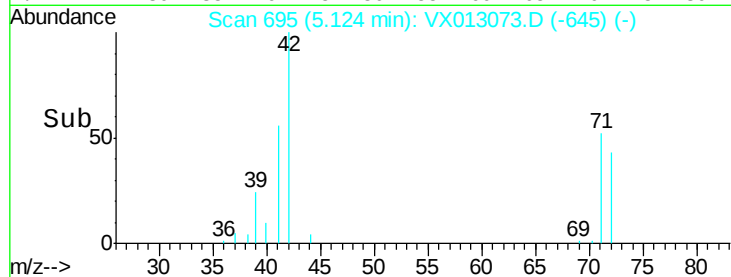
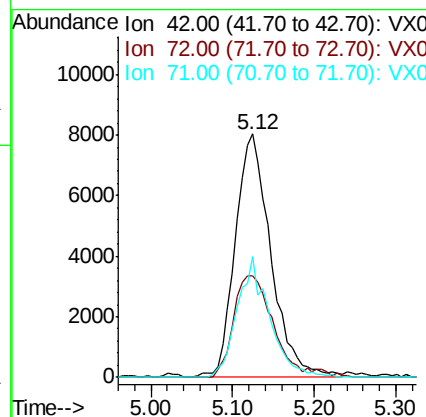
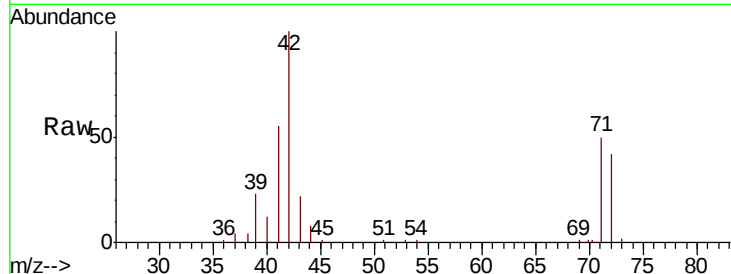
#29
Tetrahydrofuran
Concen: 25.901 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.9	55.3
71	44.8	33.5	50.3

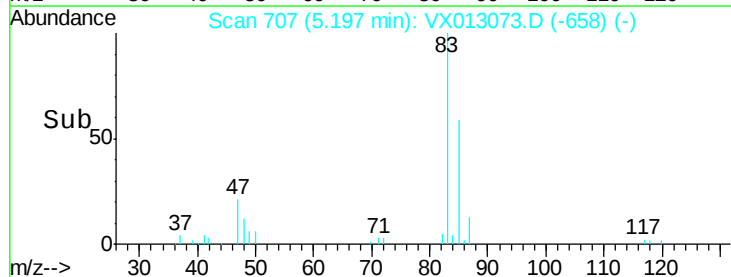
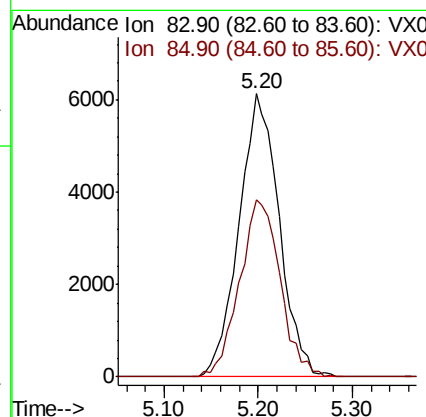
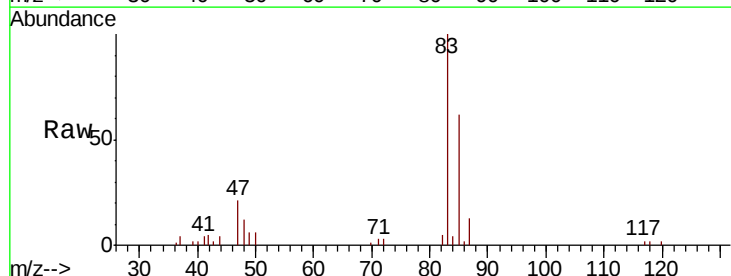
Manual Integrations
APPROVED

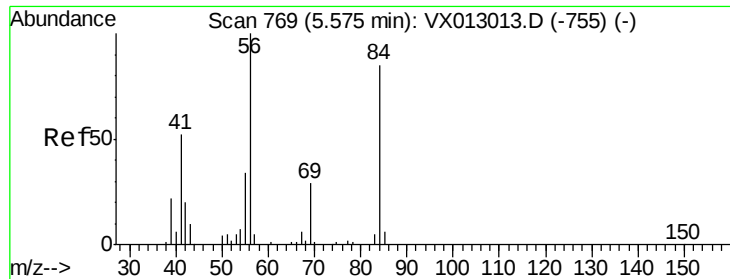
MMDadoda
10/16/2019 9:57:50 AM



#30
Chloroform
Concen: 5.472 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.5	77.3





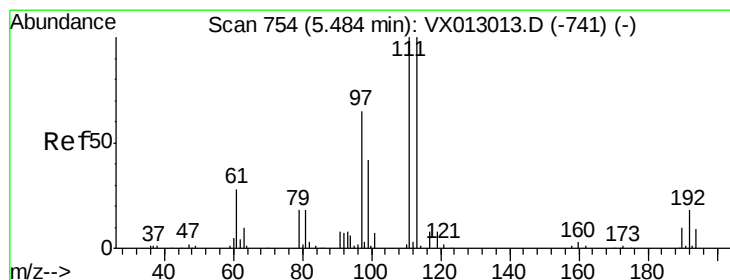
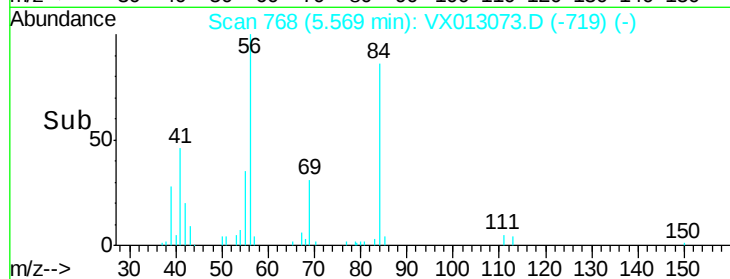
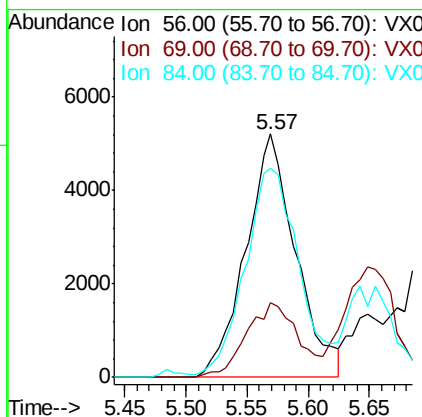
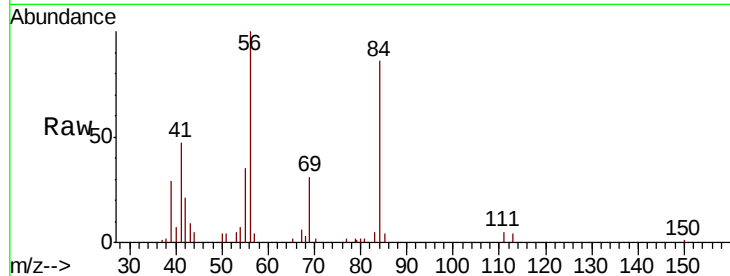
#31
Cyclohexane
Concen: 4.897 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.2	37.8
84	84.8	71.3	106.9

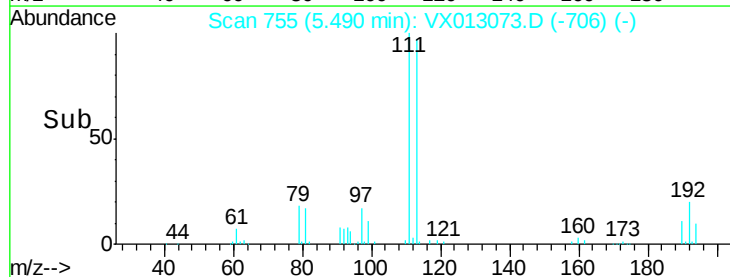
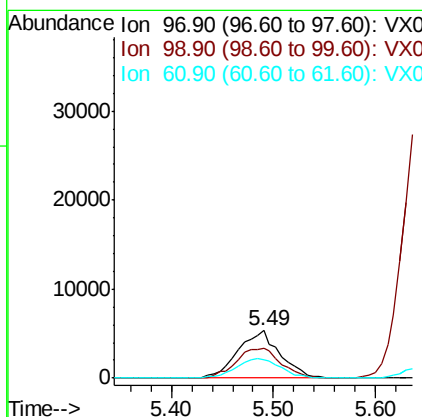
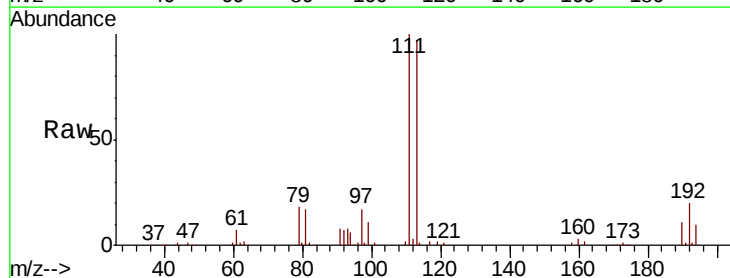
Manual Integrations
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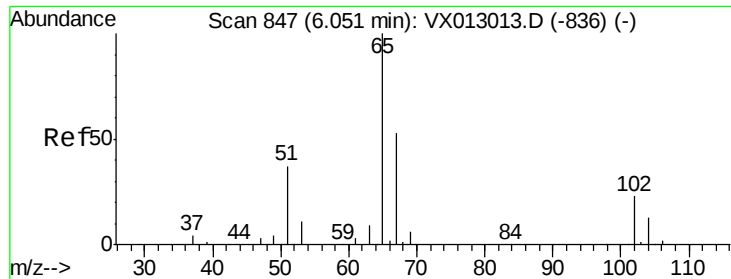
MMDadoda
10/16/2019 9:57:50 AM



#32
1,1,1-Trichloroethane
Concen: 5.404 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	52.3	78.5
61	43.6	35.0	52.4





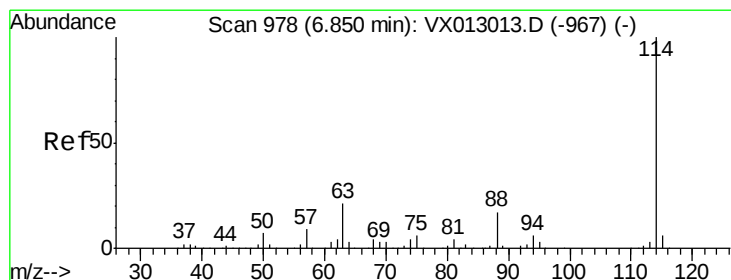
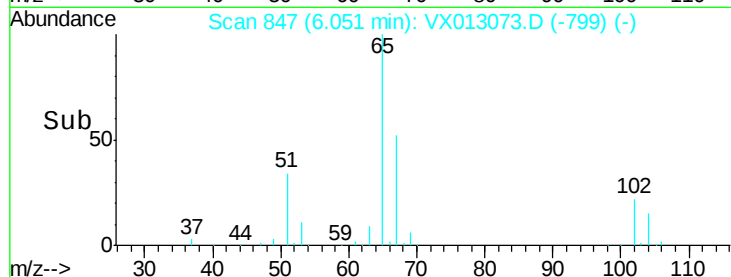
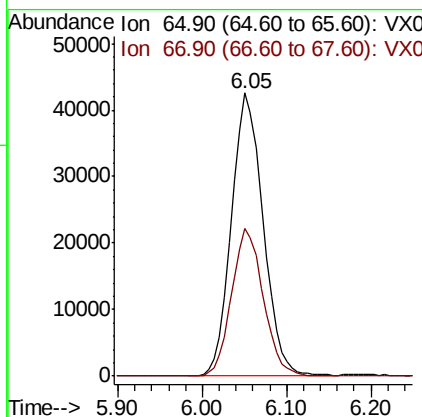
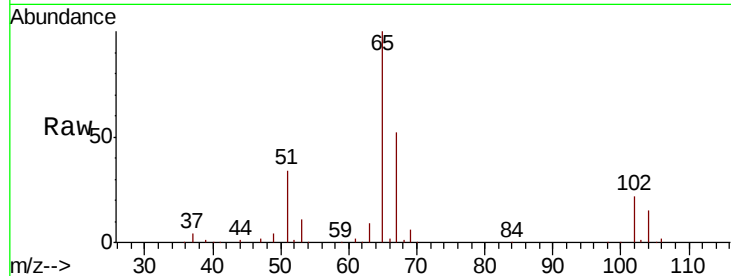
#33
 1,2-Dichloroethane-d4
 Concen: 52.242 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108810		
67	51.9	0.0	104.4	

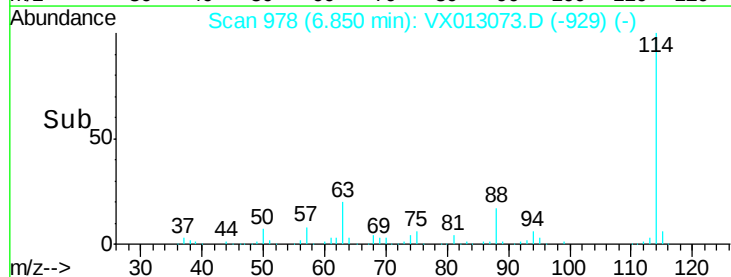
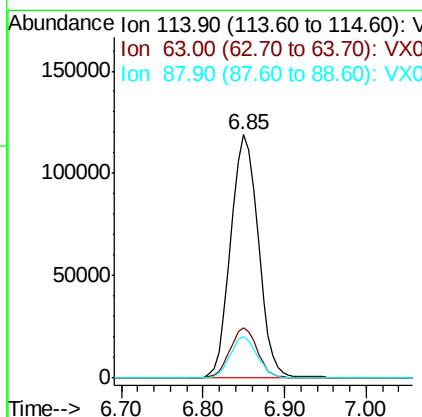
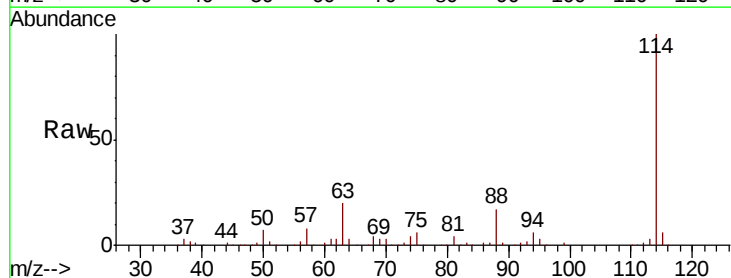
Manual Integrations
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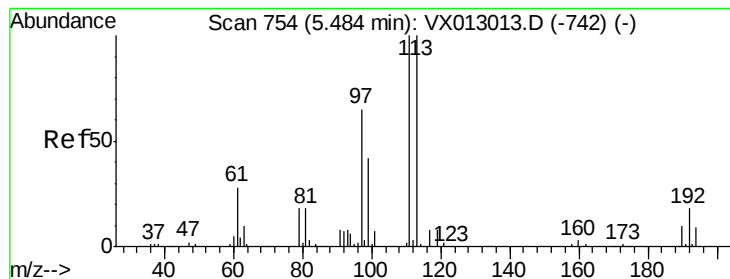
MMDadoda
 10/16/2019 9:57:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	279815		
63	20.4	0.0	40.8	
88	16.9	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.997 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

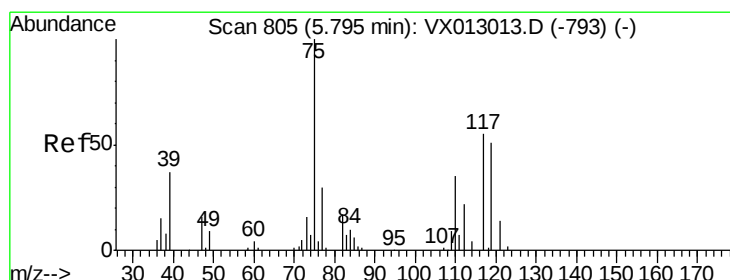
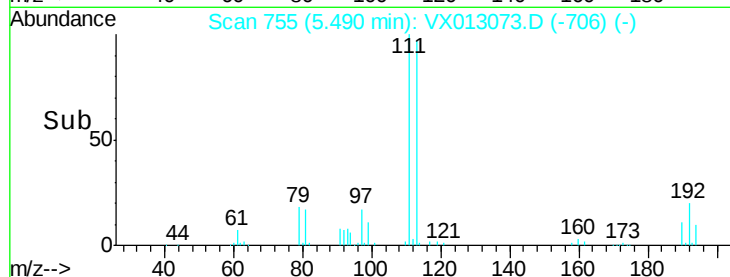
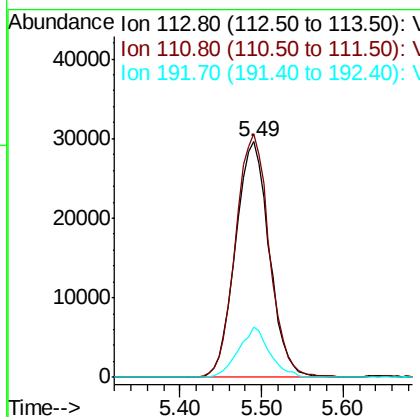
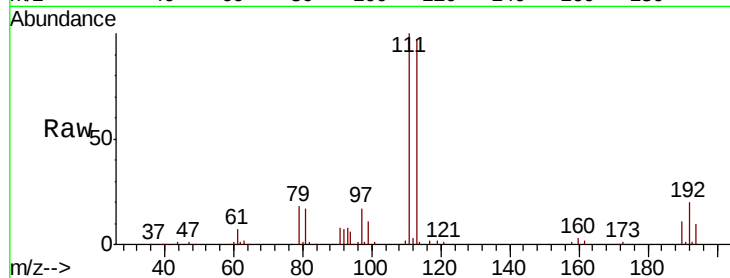
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	113	Resp:	85113
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.2	124.8
192	19.5	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 5.276 ug/l

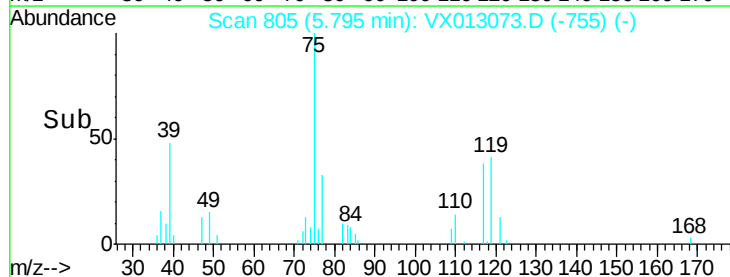
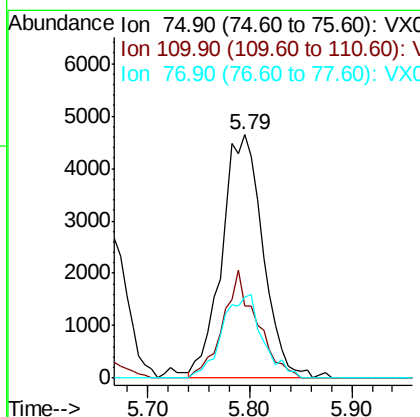
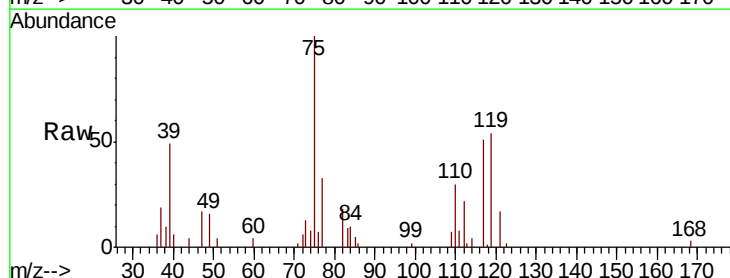
RT: 5.79 min Scan# 805

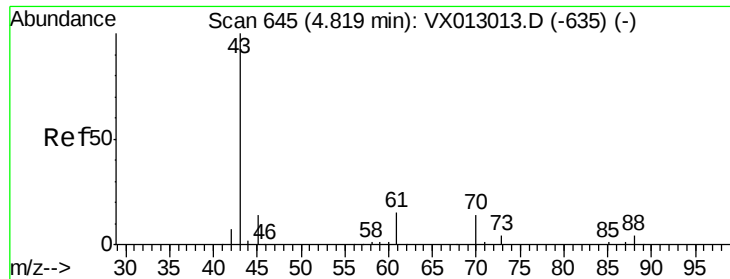
Delta R.T. 0.01 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	75	Resp:	12979
Ion Ratio	Lower	Upper	
75	100		
110	36.6	17.6	52.9
77	33.5	24.4	36.6





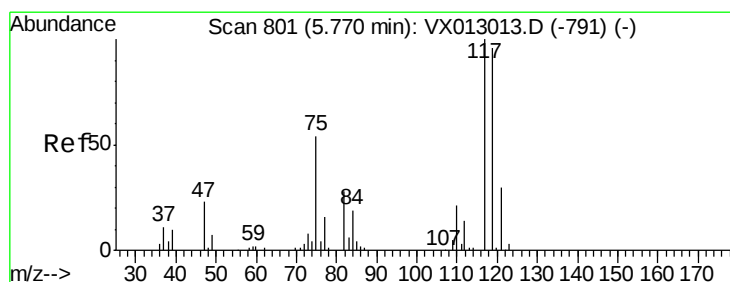
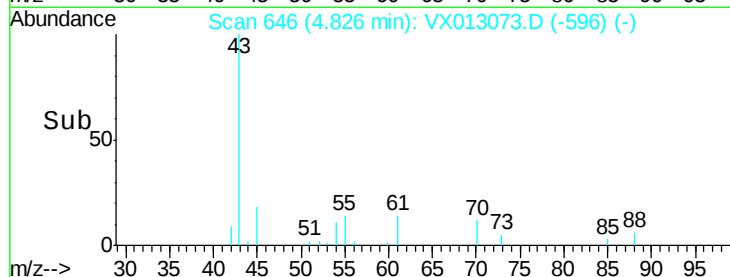
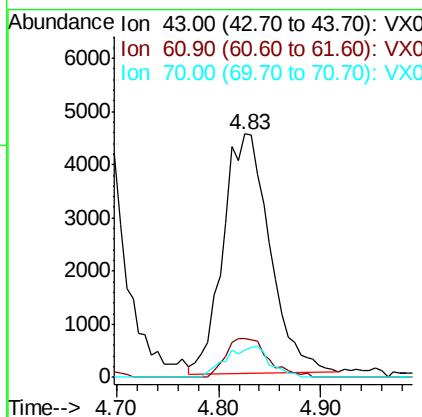
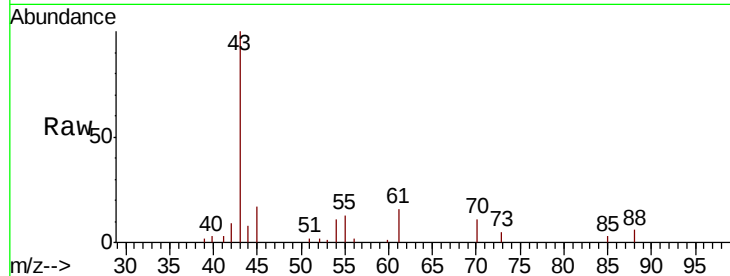
#37
Ethyl Acetate
Concen: 5.204 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.0
70	12.1	9.8	14.6

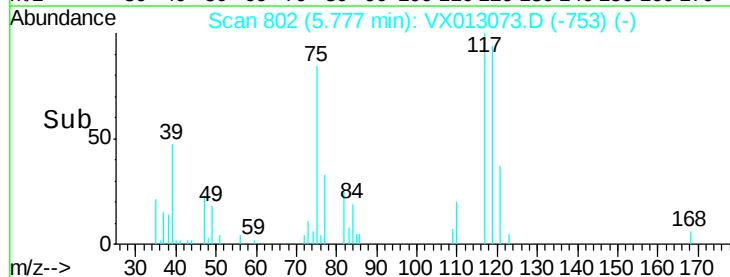
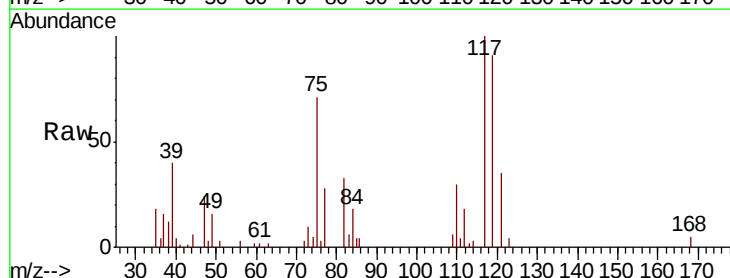
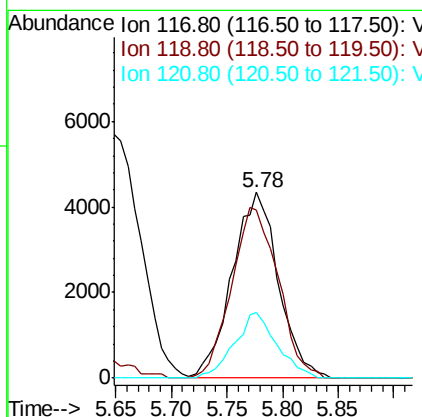
Manual Integrations
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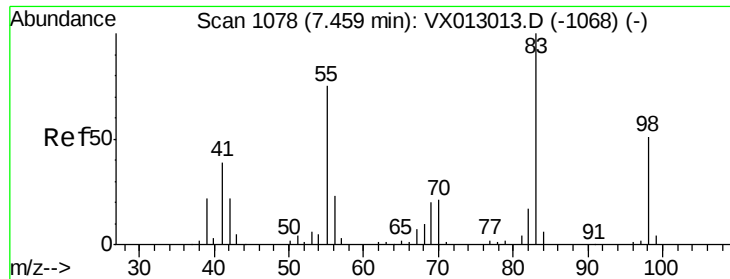
MMDadoda
10/16/2019 9:57:50 AM



#38
Carbon Tetrachloride
Concen: 5.223 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	74.5	111.7
121	35.4	24.2	36.4





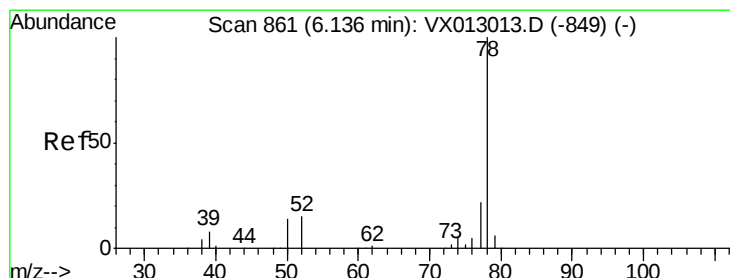
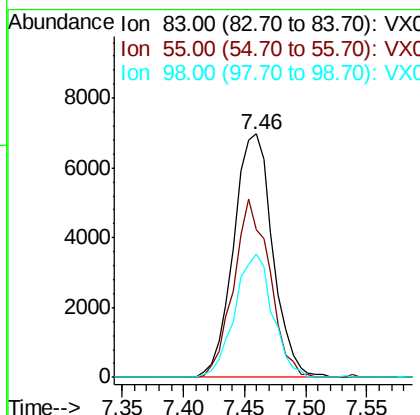
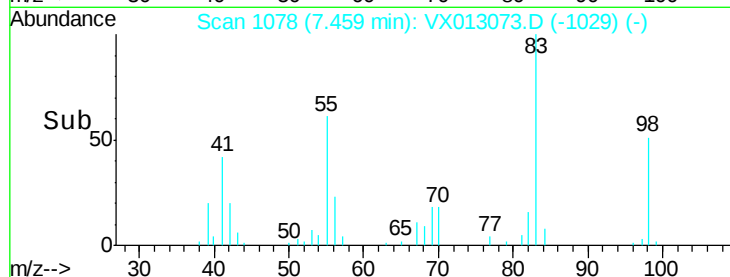
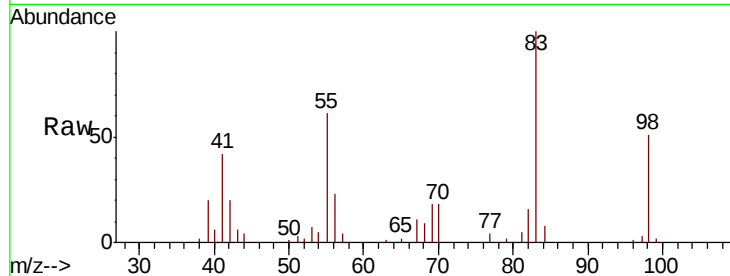
#39
Methvlcvclohexane
Concen: 5.189 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.8	60.2	90.4
98	50.6	38.5	57.7

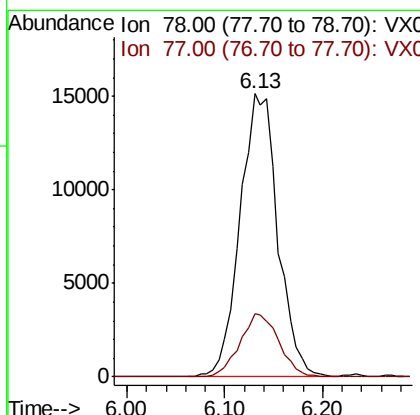
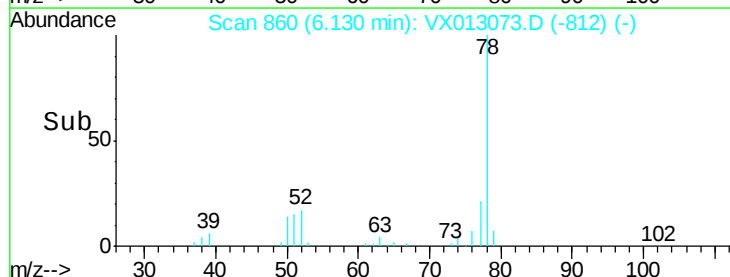
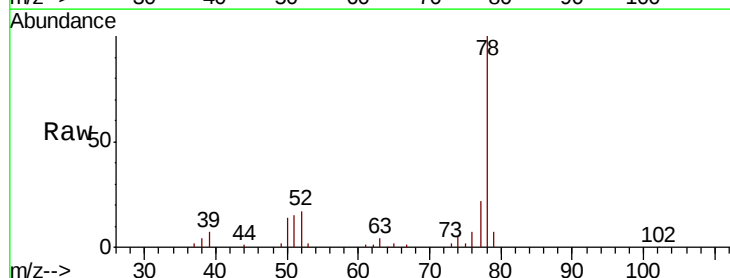
Manual Integrations
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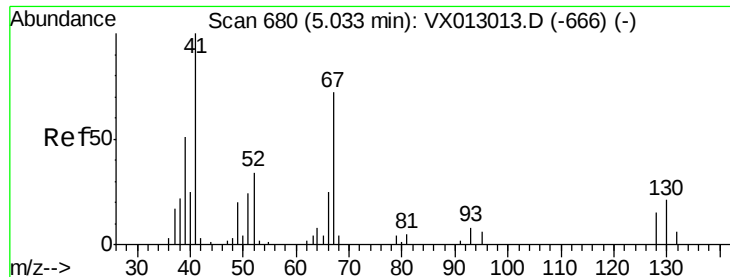
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10/16/2019 9:57:50 AM



#40
Benzene
Concen: 5.569 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4





#41

Methacrylonitrile

Concen: 4.871 ug/l

RT: 5.04 min Scan# 681

Delta R.T. 0.01 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 41 Resp: 7363

Ion Ratio Lower Upper

41 100

39 63.8 44.0 66.0

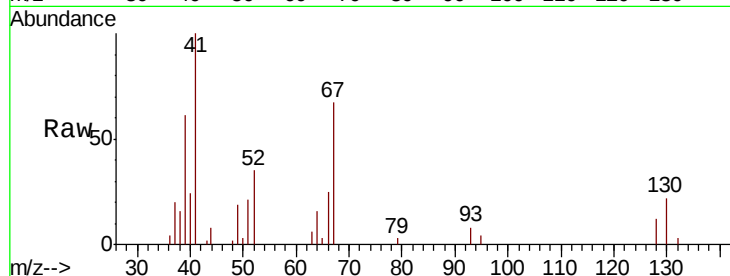
67 76.9 58.5 87.7

52 34.0 23.8 35.8

Manual Integrations
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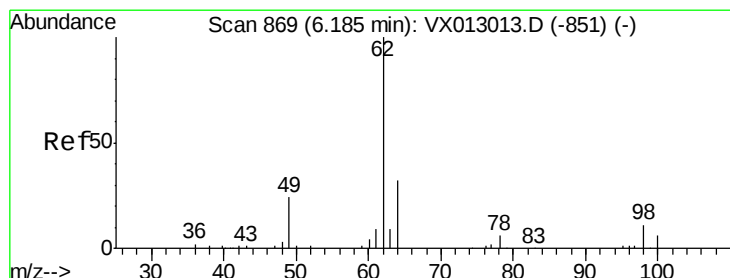
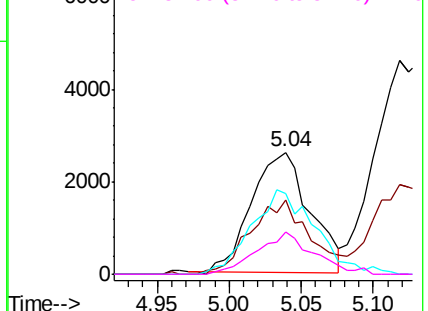
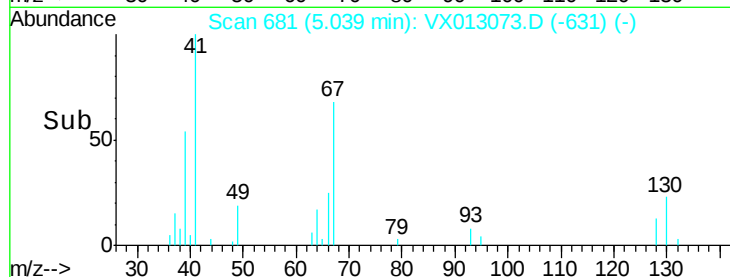


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 5.786 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX013073.D

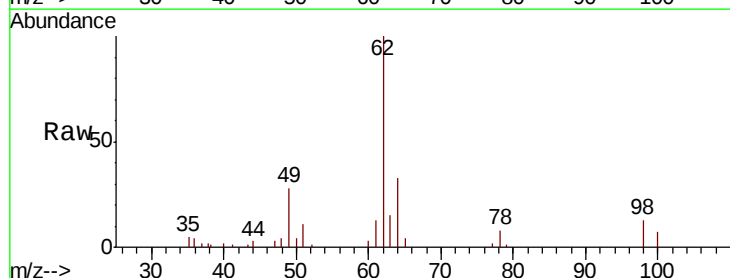
Acq: 15 Oct 2019 13:21

Tgt Ion: 62 Resp: 15087

Ion Ratio Lower Upper

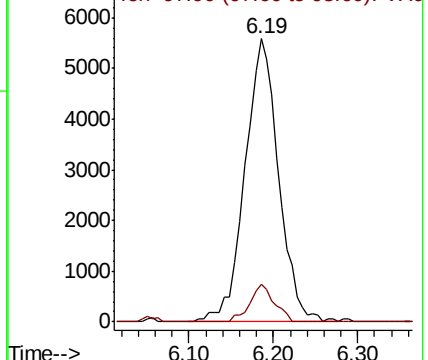
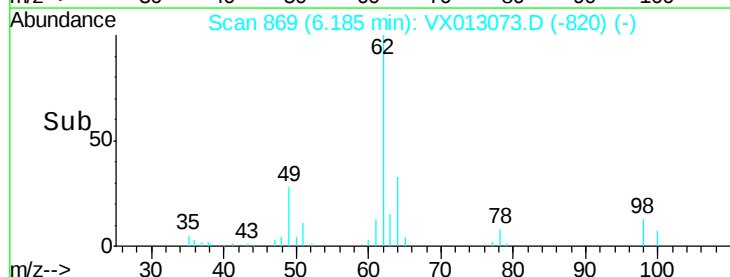
62 100

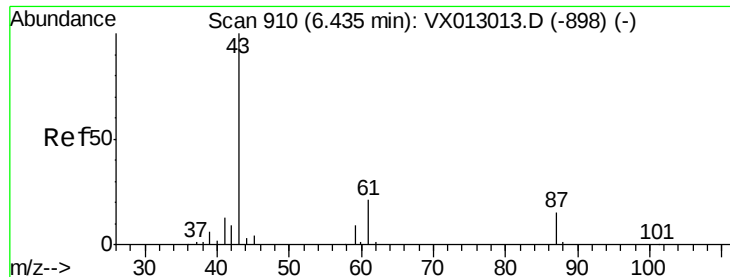
98 9.6 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 5.110 ug/l

RT: 6.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

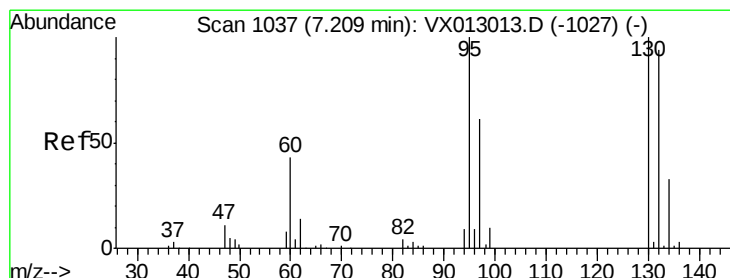
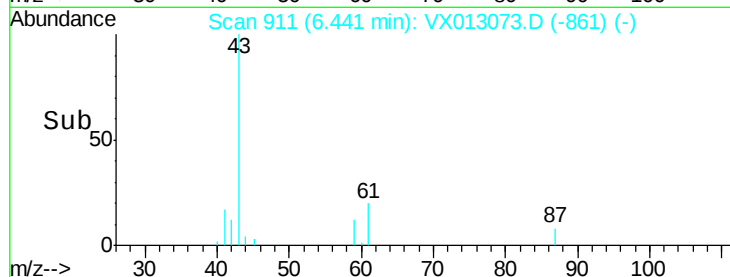
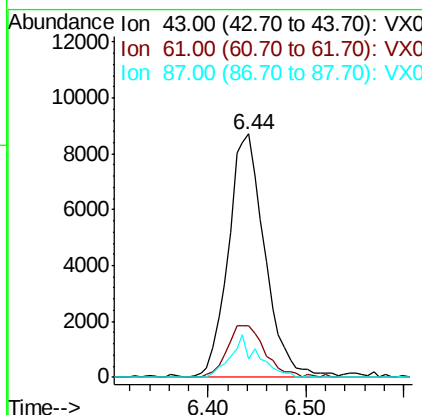
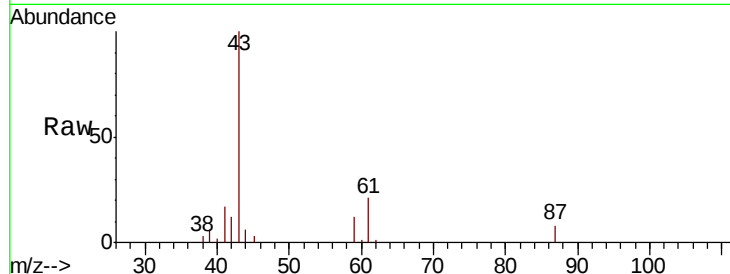
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	43	Resp:	22563
Ion	Ratio	Lower	Upper
43	100		
61	21.8	16.6	24.8
87	13.1	11.0	16.6

Manual Integrations
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MMDadoda
10/16/2019 9:57:50 AM



#44

Trichloroethene

Concen: 5.231 ug/l

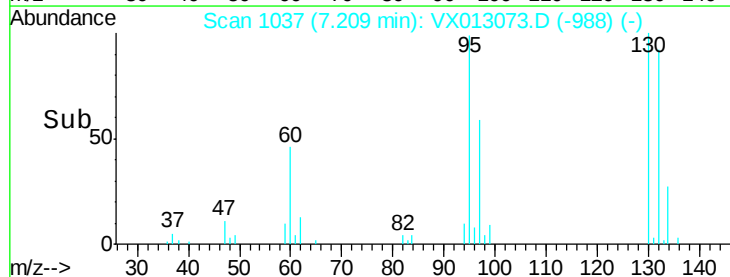
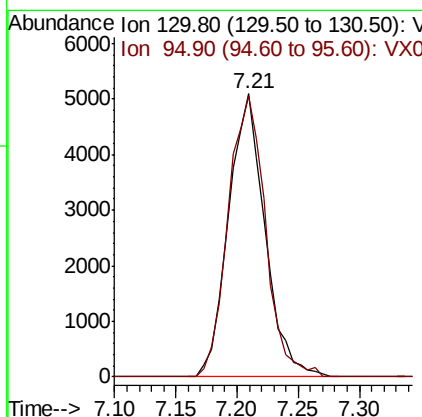
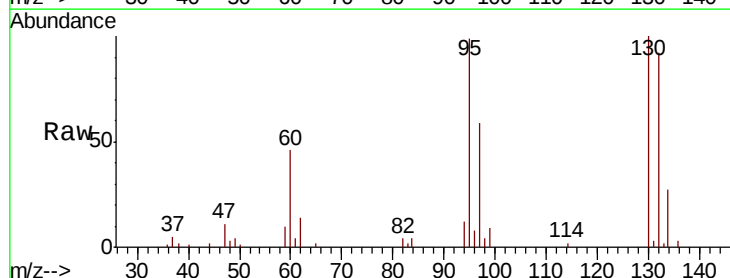
RT: 7.21 min Scan# 1037

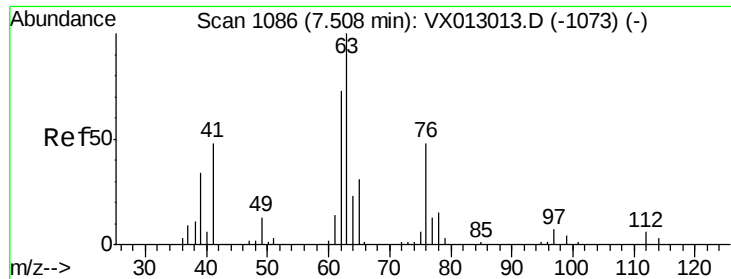
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	130	Resp:	10539
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	189.2





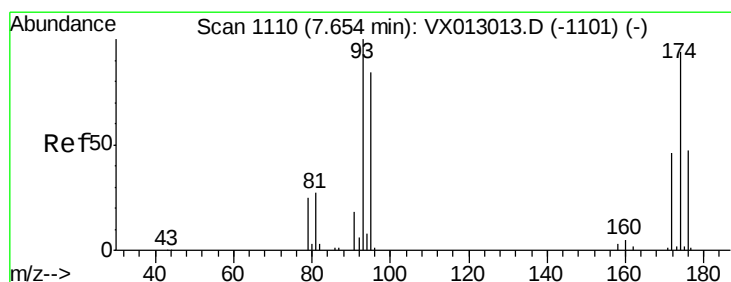
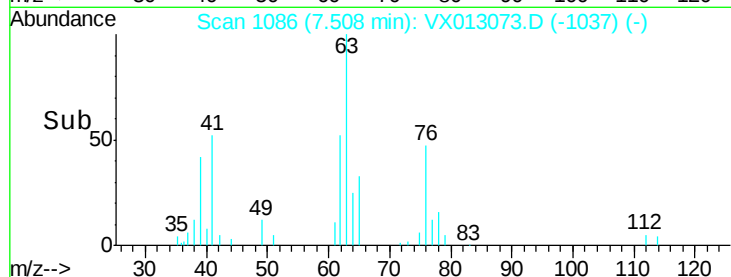
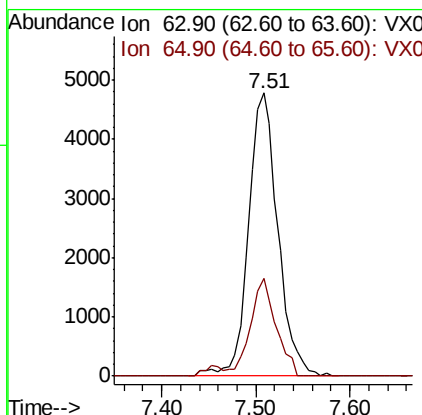
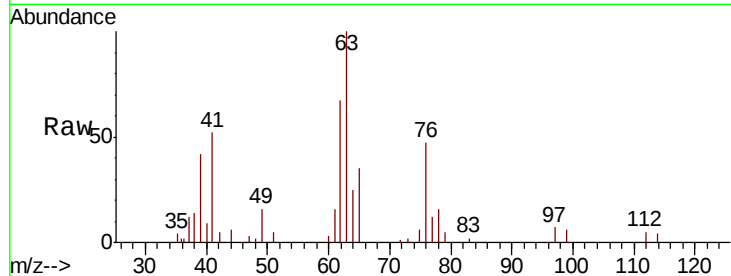
#45
 1,2-Dichloropropane
 Concen: 5.661 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion: 63 Resp: 10483
 Ion Ratio Lower Upper
 63 100
 65 34.5 24.6 37.0

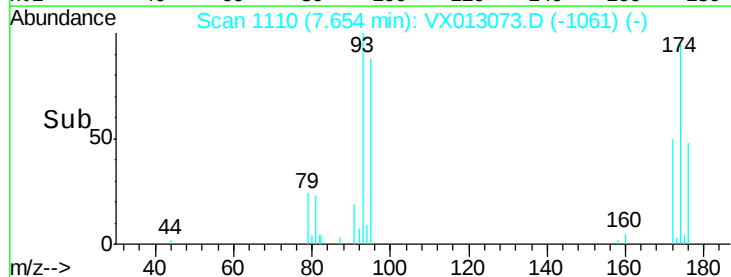
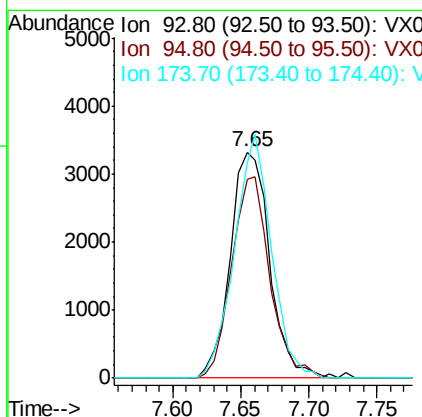
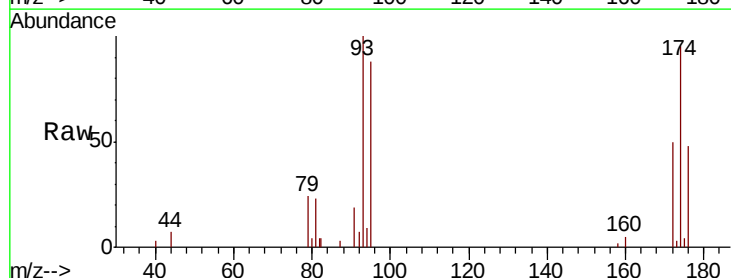
Manual Integrations
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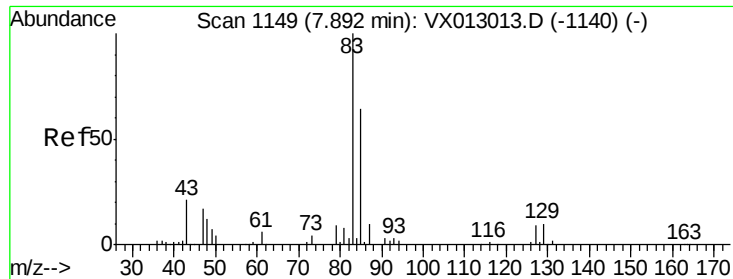
MMDadoda
 10/16/2019 9:57:50 AM



#46
 Dibromomethane
 Concen: 5.450 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Tgt Ion: 93 Resp: 6724
 Ion Ratio Lower Upper
 93 100
 95 86.5 66.3 99.5
 174 101.0 77.8 116.6





#47

Bromodichloromethane

Concen: 5.051 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

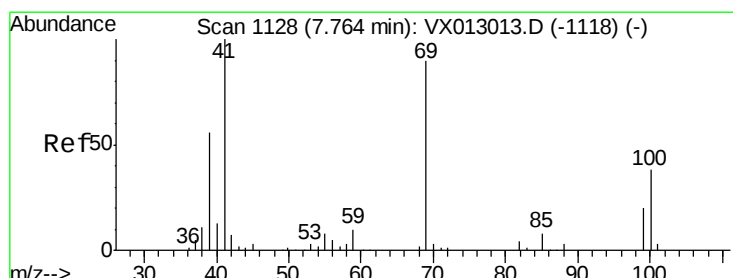
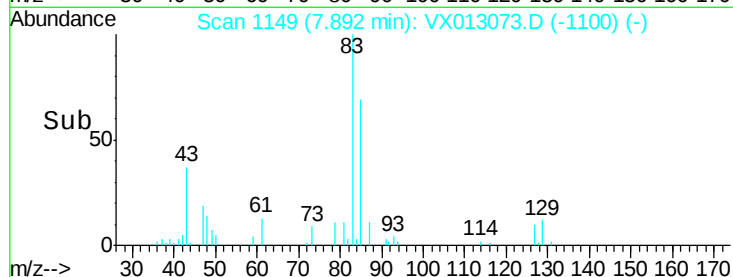
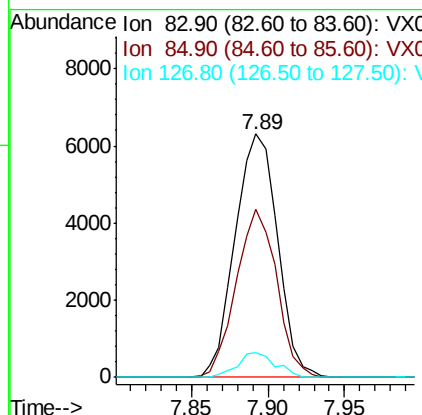
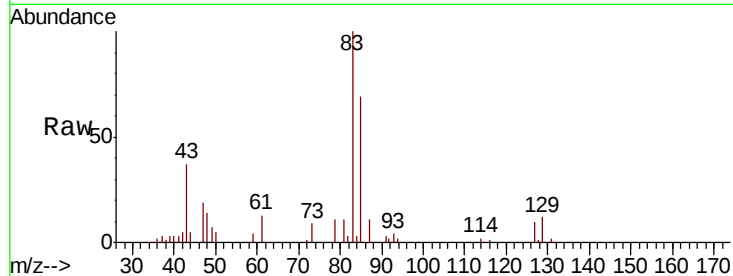
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	83	Resp:	12161
Ion Ratio	Lower	Upper	
83	100		
85	69.1	52.4	78.6
127	10.0	6.6	10.0#

Manual Integrations
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MMDadoda
10/16/2019 9:57:50 AM



#48

Methyl methacrylate

Concen: 5.024 ug/l

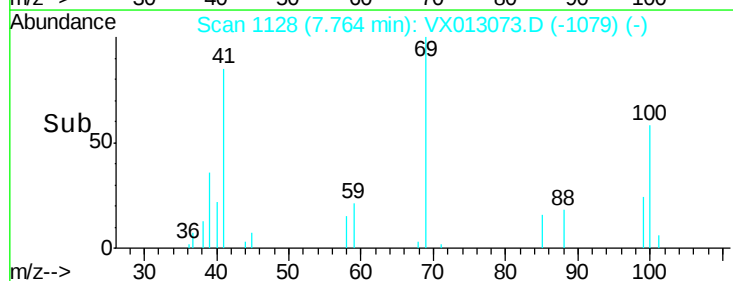
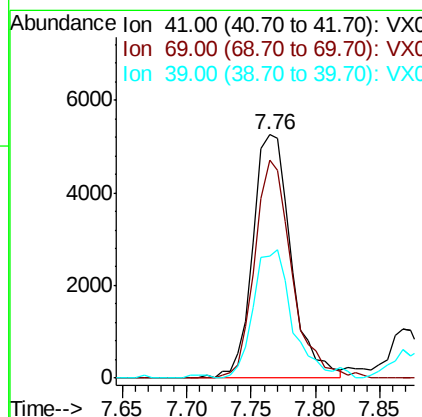
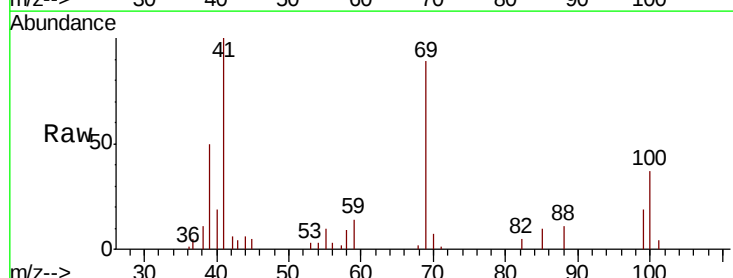
RT: 7.76 min Scan# 1128

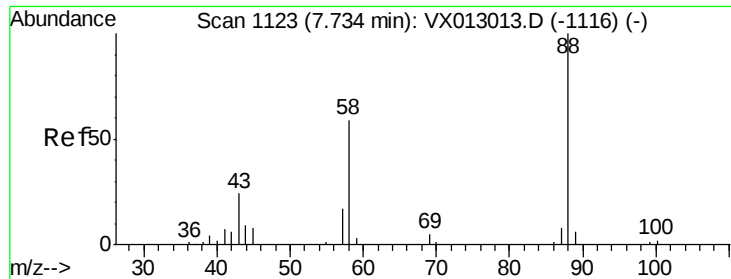
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	41	Resp:	10810
Ion Ratio	Lower	Upper	
41	100		
69	86.7	68.7	103.1
39	52.9	44.3	66.5





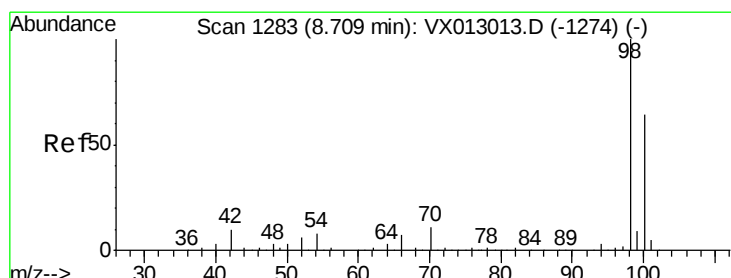
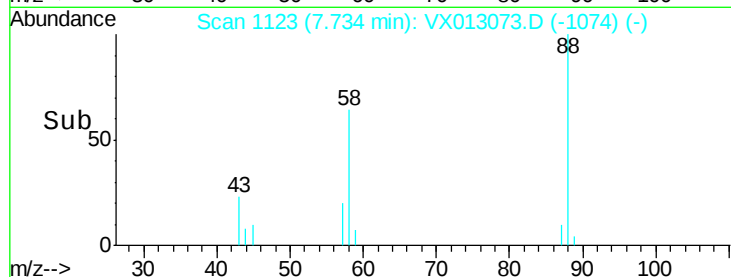
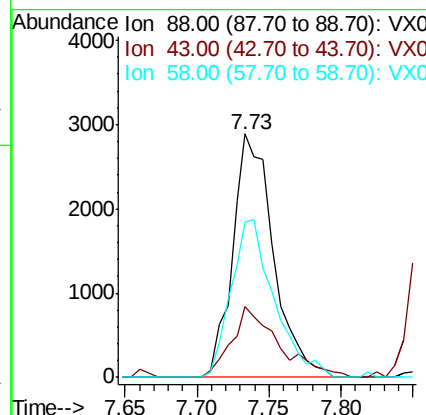
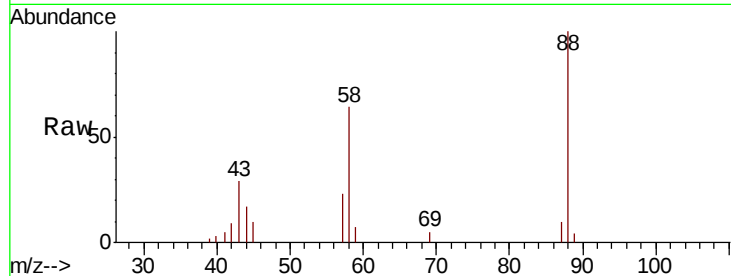
#49
1,4-Dioxane
Concen: 109.440 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.0	37.6
58	68.5	55.4	83.2

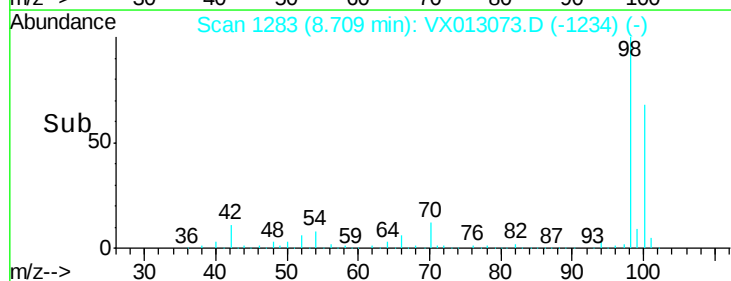
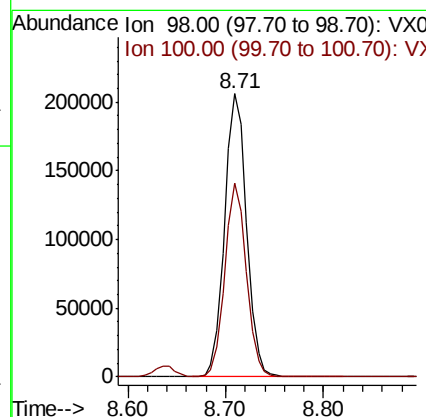
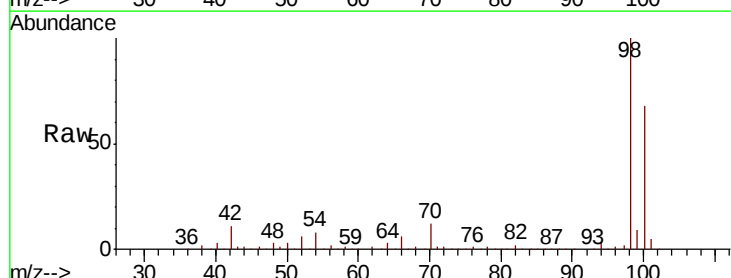
Manual Integrations
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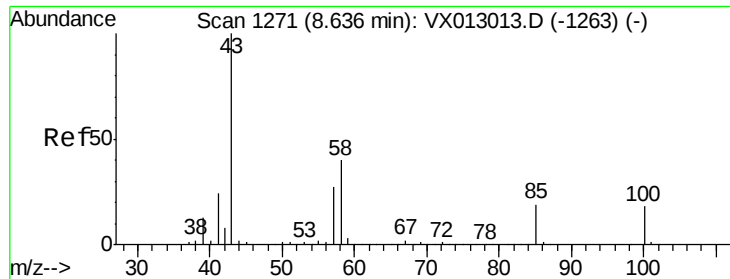
MMDadoda
10/16/2019 9:57:50 AM



#50
Toluene-d8
Concen: 51.371 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 26.458 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 72834

Ion Ratio Lower Upper

43 100

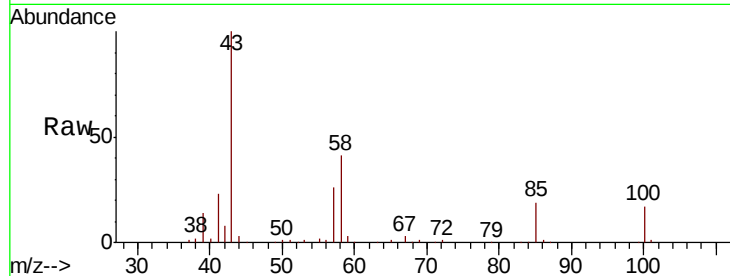
58 40.7 32.4 48.6

Manual Integrations

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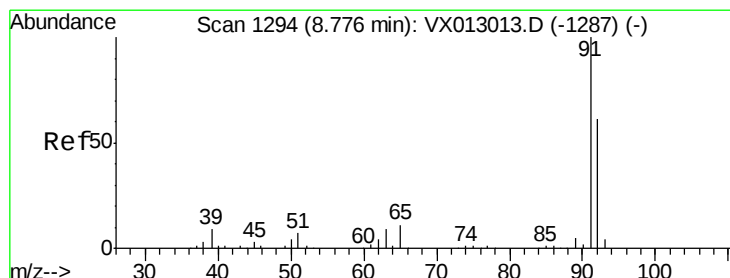
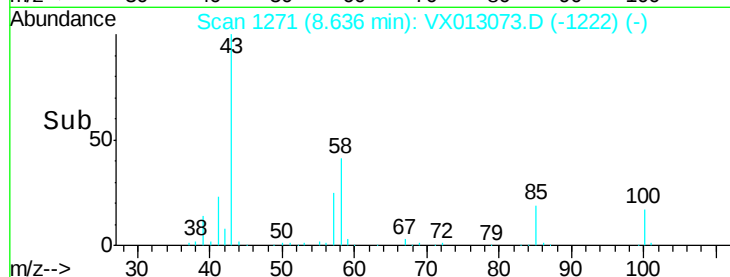
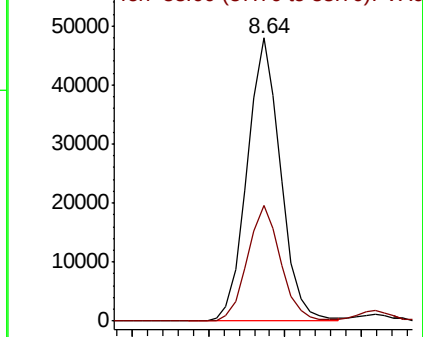
MMDadoda

10/16/2019 9:57:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.464 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013073.D

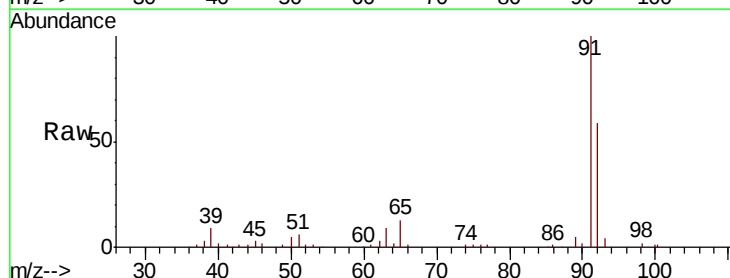
Acq: 15 Oct 2019 13:21

Tgt Ion: 92 Resp: 25401

Ion Ratio Lower Upper

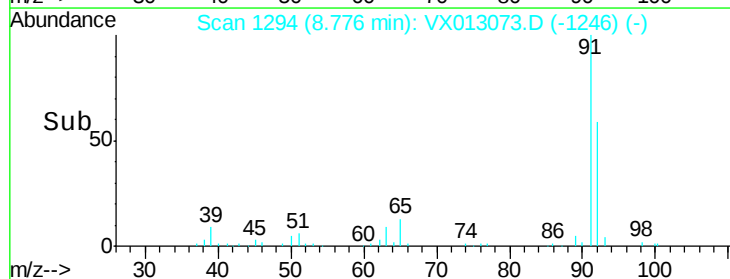
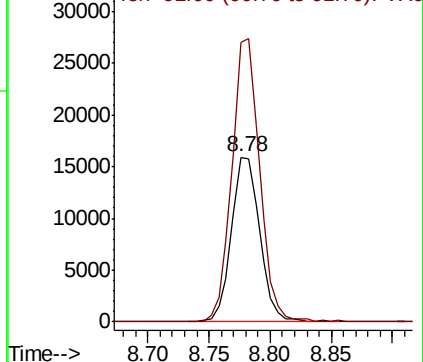
92 100

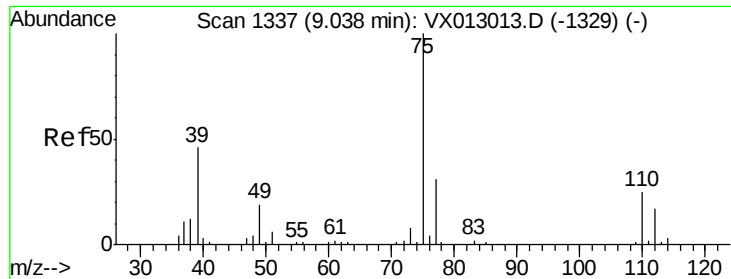
91 168.6 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





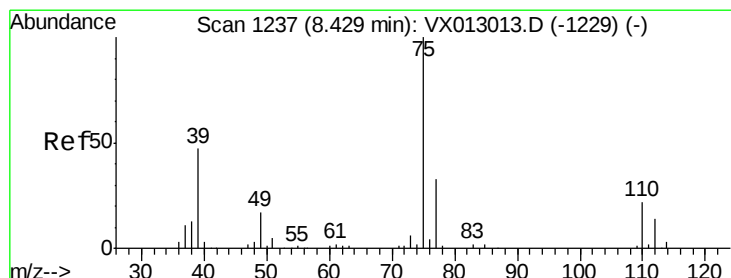
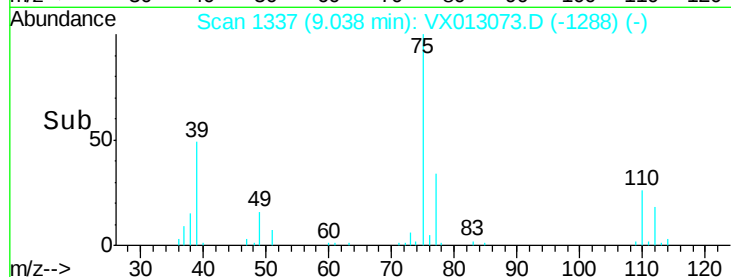
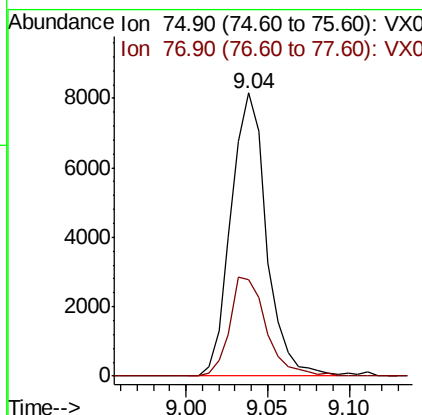
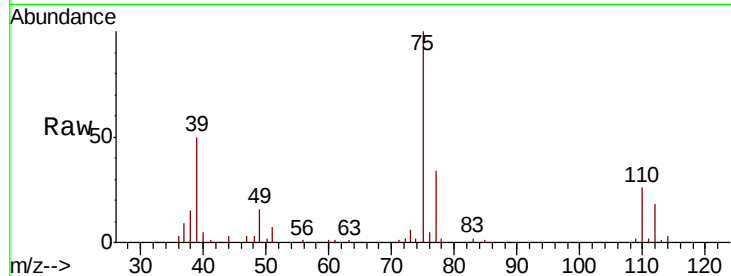
#53
 t-1,3-Dichloropropene
 Concen: 4.640 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion: 75 Resp: 12369
 Ion Ratio Lower Upper
 75 100
 77 34.2 25.8 38.6

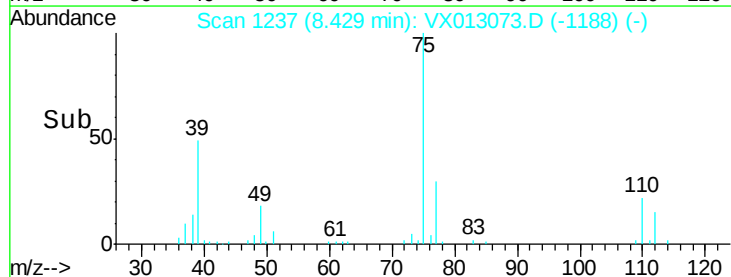
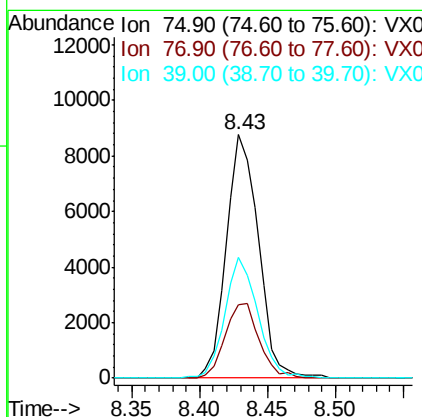
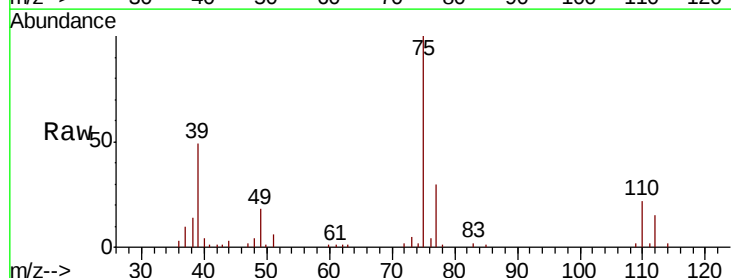
Manual Integrations
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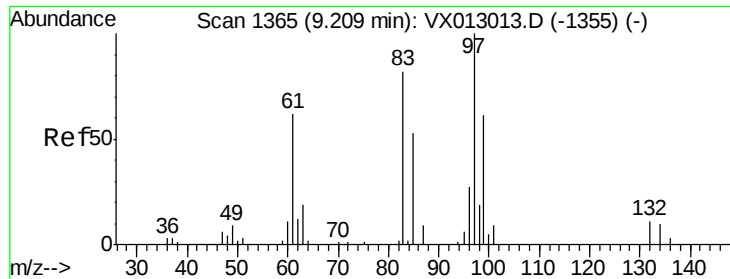
MMDadoda
 10/16/2019 9:57:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.860 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Tgt Ion: 75 Resp: 14392
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.8 38.8
 39 49.4 38.2 57.2





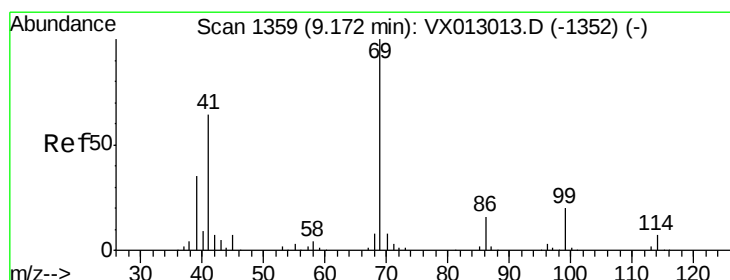
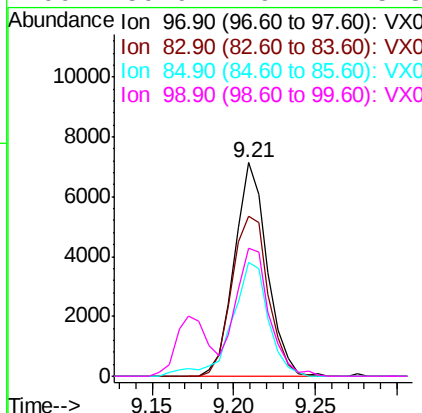
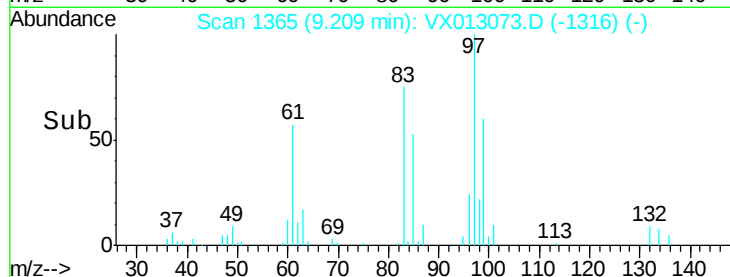
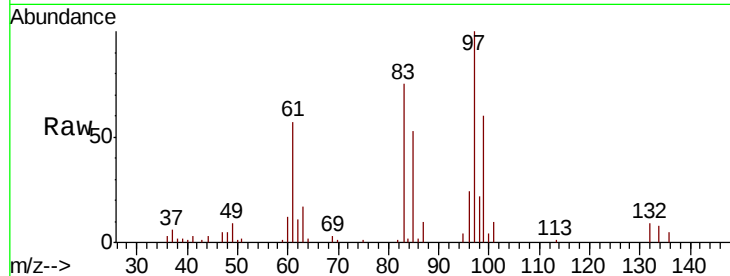
#55
1,1,2-Trichloroethane
Concen: 5.452 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:	97	Resp:	10030
Ion	Ratio	Lower	Upper
97	100		
83	74.9	66.5	99.7
85	53.1	43.1	64.7
99	59.9	49.2	73.8

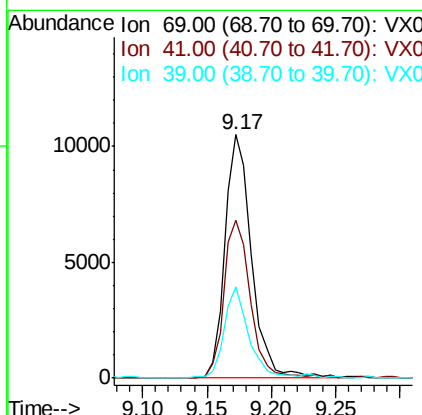
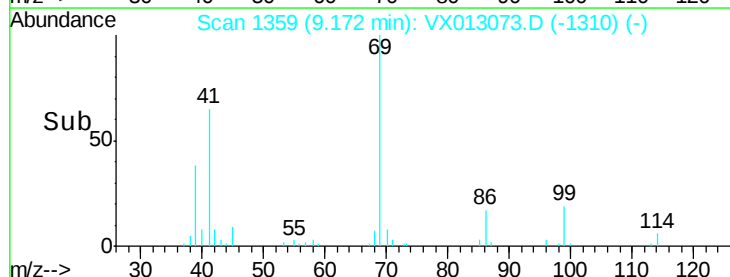
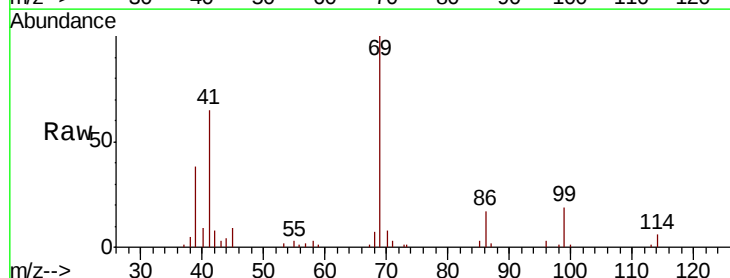
Manual Integrations
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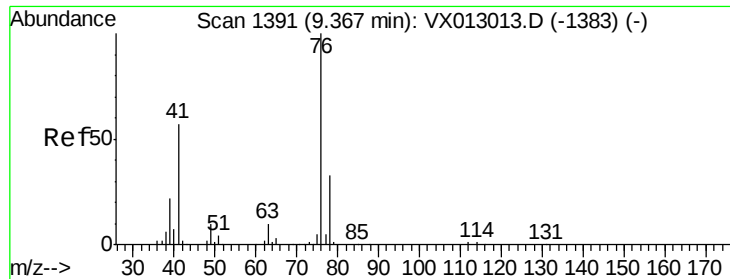
MMDadoda
10/16/2019 9:57:50 AM



#56
Ethyl methacrylate
Concen: 5.130 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion:	69	Resp:	15282
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.1	78.1
39	34.9	27.8	41.8





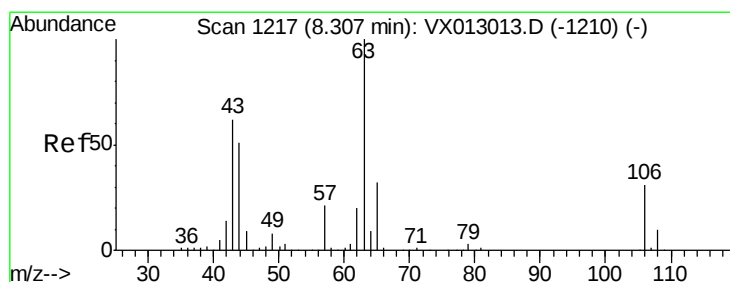
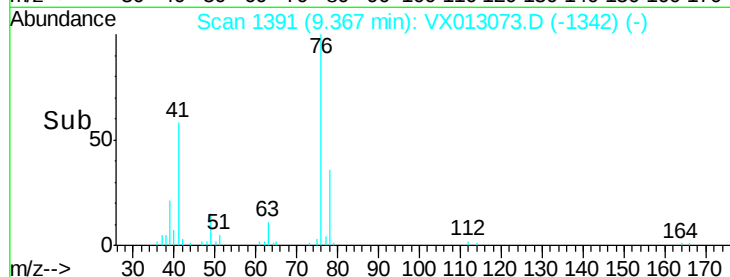
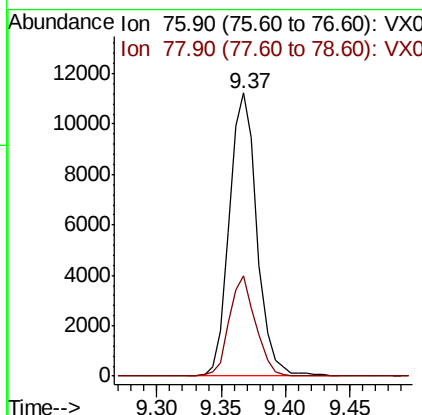
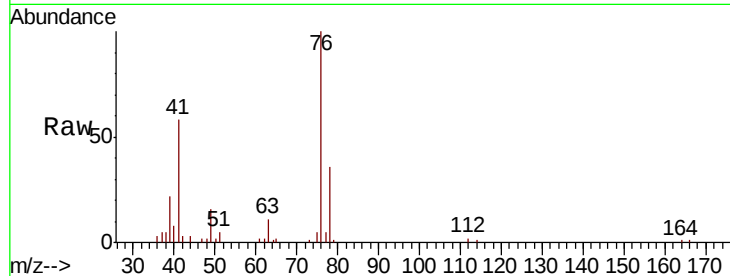
#57
 1,3-Dichloropropane
 Concen: 5.301 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion: 76 Resp: 16868
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.1 39.1

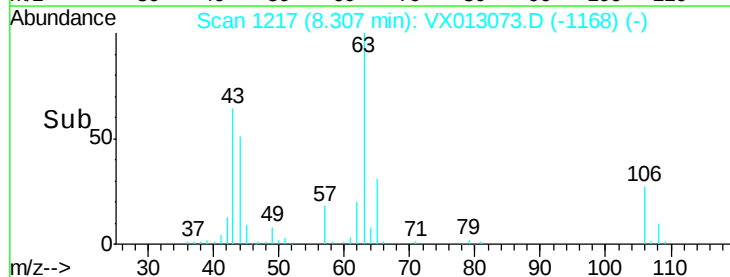
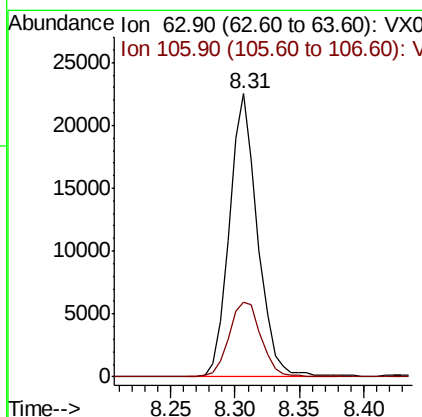
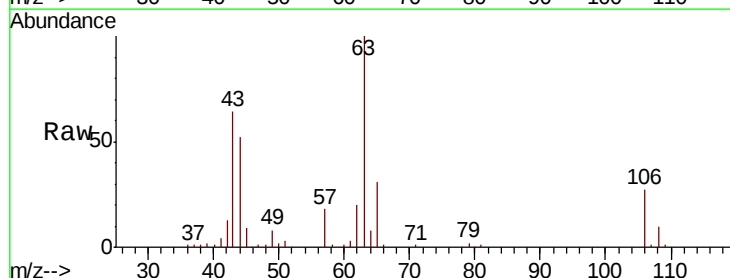
Manual Integrations
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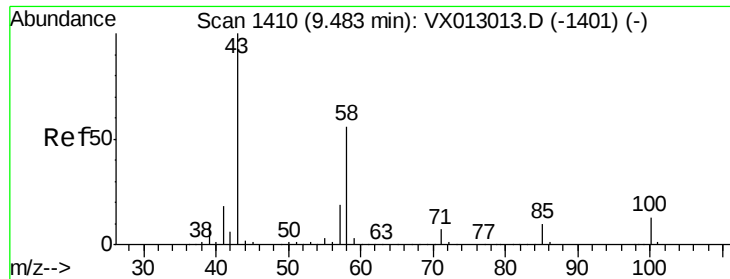
MMDadoda
 10/16/2019 9:57:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.508 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Tgt Ion: 63 Resp: 34472
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





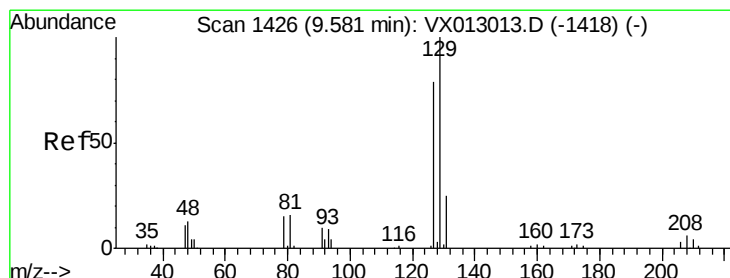
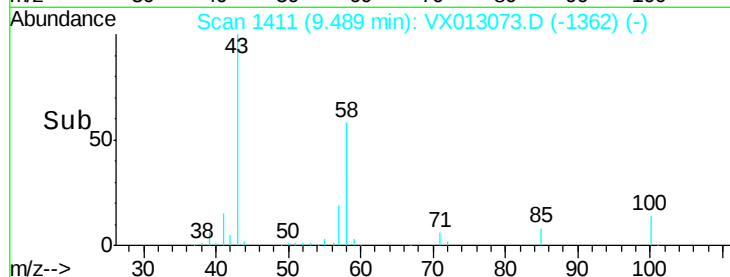
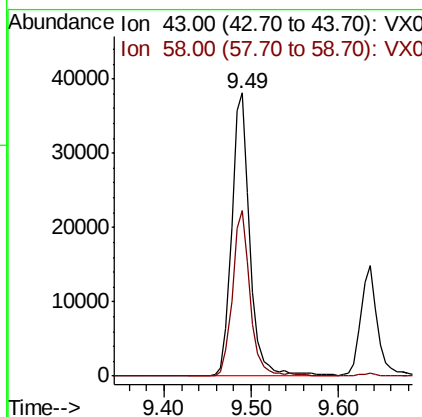
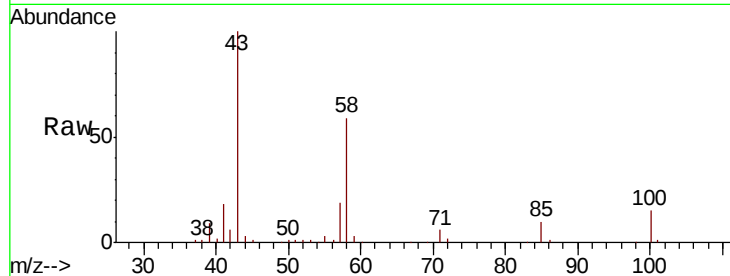
#59
2-Hexanone
Concen: 25.761 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 55203
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3

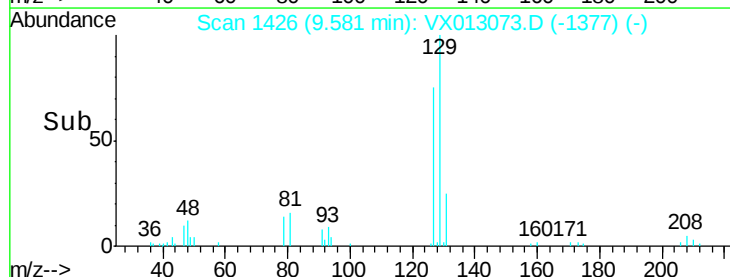
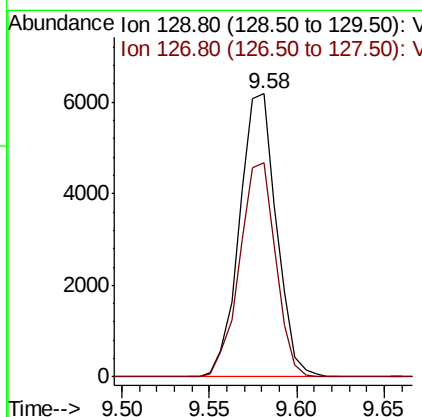
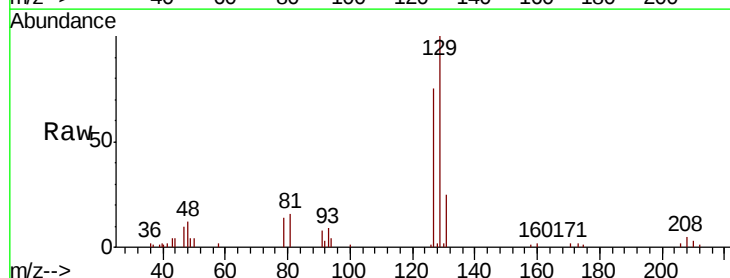
Manual Integrations
APPROVED

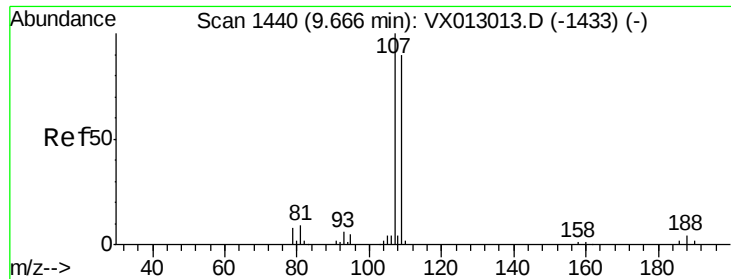
MMDadoda
10/16/2019 9:57:50 AM



#60
Dibromochloromethane
Concen: 5.043 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion: 129 Resp: 9091
Ion Ratio Lower Upper
129 100
127 74.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 5.438 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 107 Resp: 10523

Ion Ratio Lower Upper

107 100

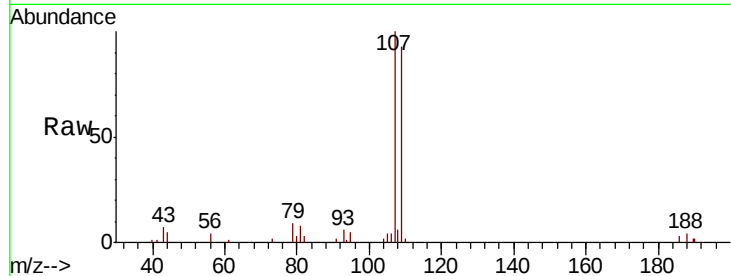
109 92.3 75.8 113.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8000

6000

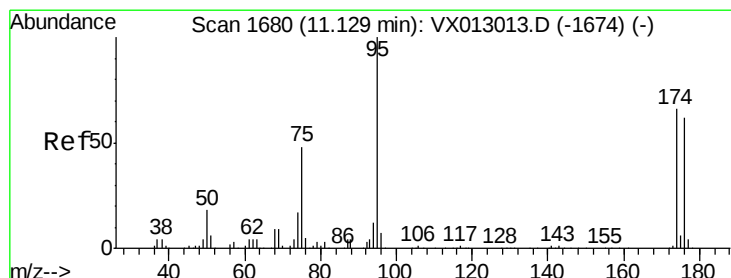
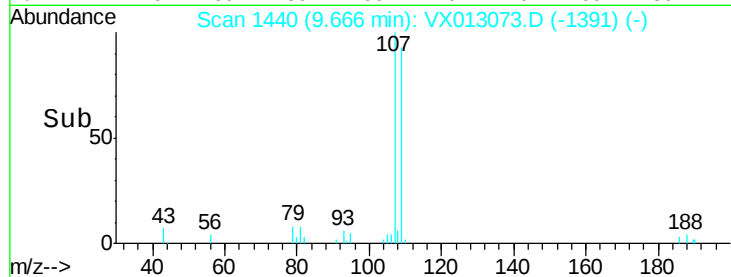
4000

2000

0

9.60 9.65 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 48.346 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

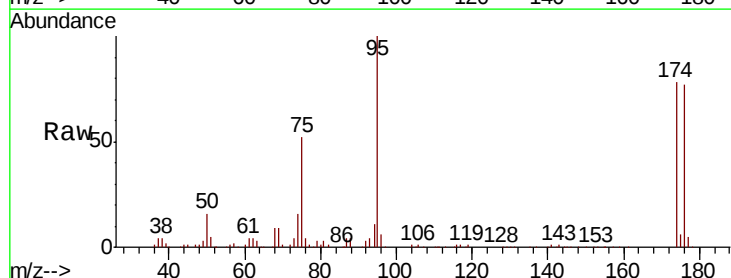
Tgt Ion: 95 Resp: 117666

Ion Ratio Lower Upper

95 100

174 76.4 0.0 143.4

176 73.5 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

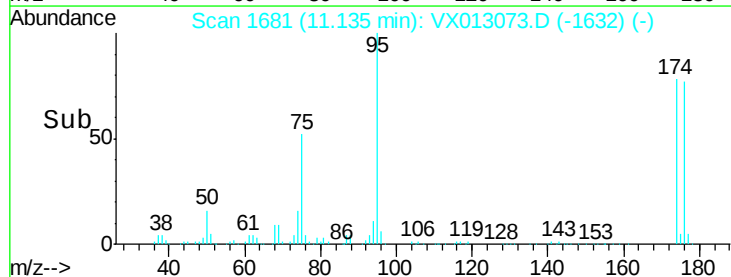
40000

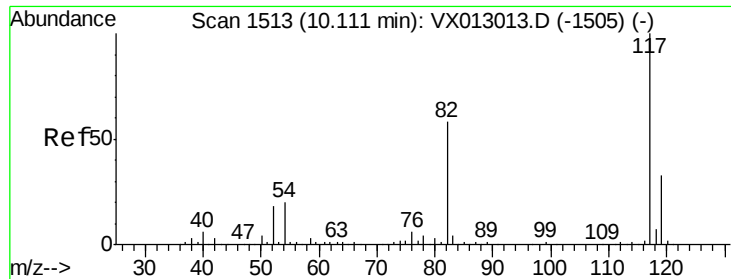
20000

0

11.10 11.20

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

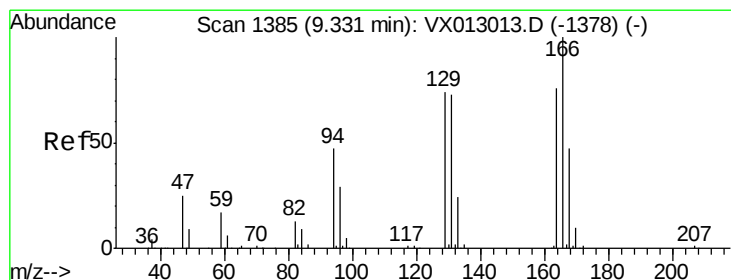
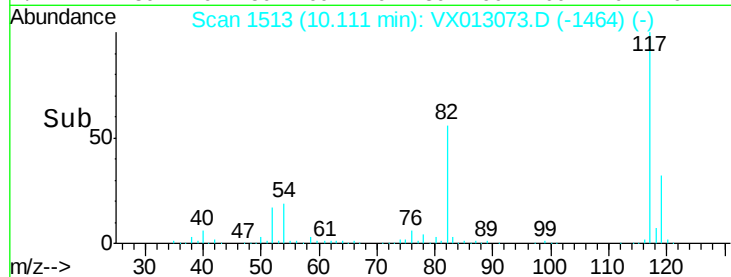
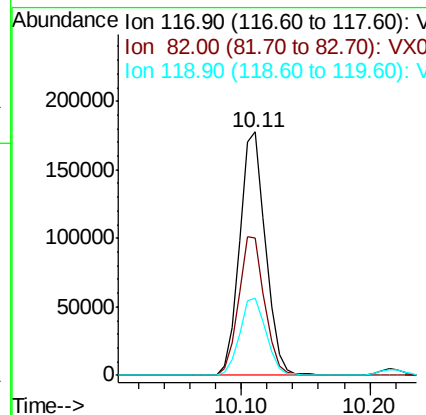
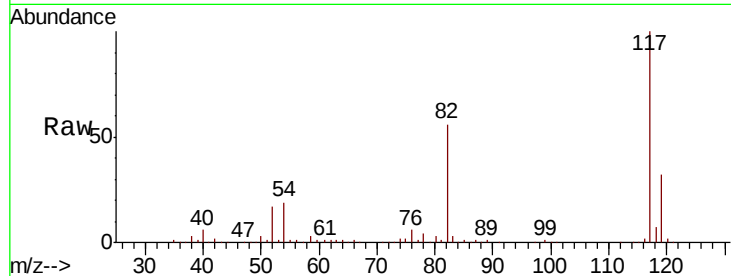
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	117	Resp:	247436
Ion Ratio	Lower	Upper	
117	100		
82	56.2	44.1	66.1
119	31.6	25.8	38.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 6.048 ug/l

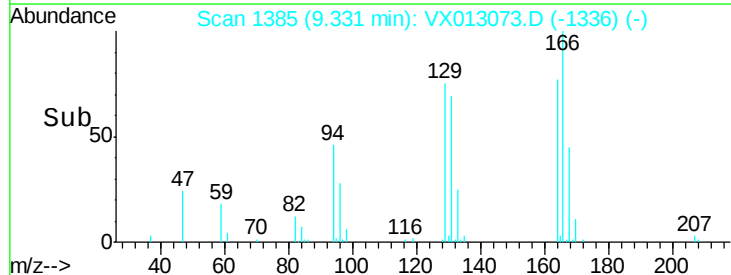
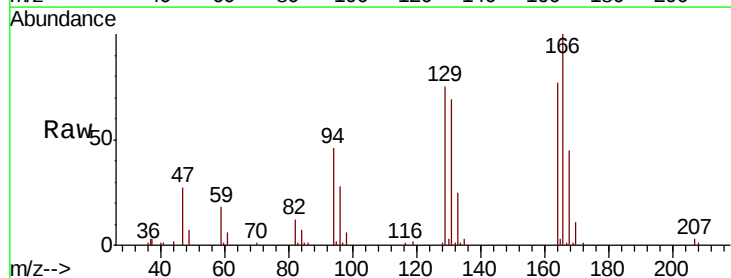
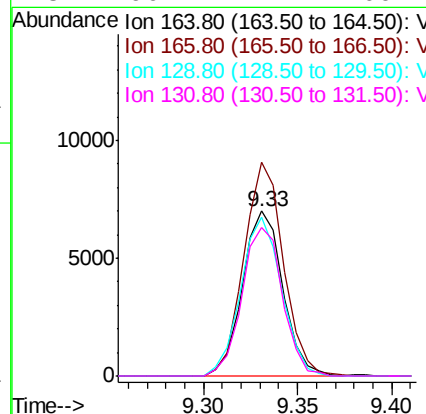
RT: 9.33 min Scan# 1385

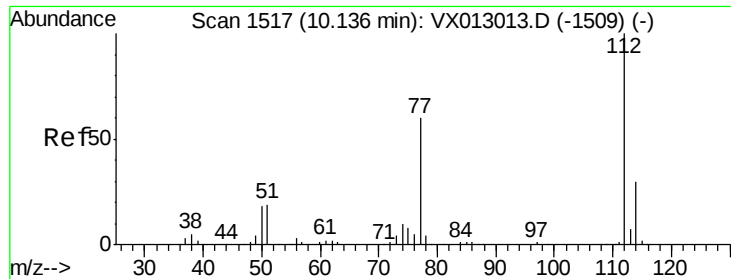
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	164	Resp:	10379
Ion Ratio	Lower	Upper	
164	100		
166	129.7	96.9	145.3
129	96.6	77.9	116.9
131	90.1	72.7	109.1





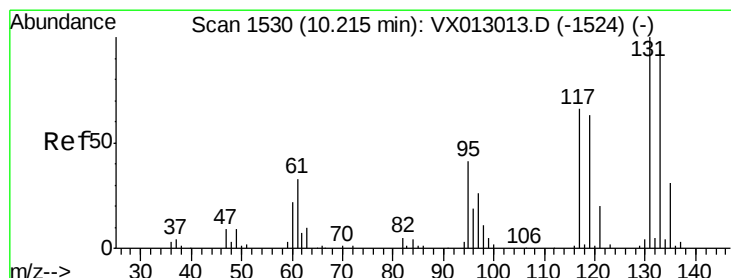
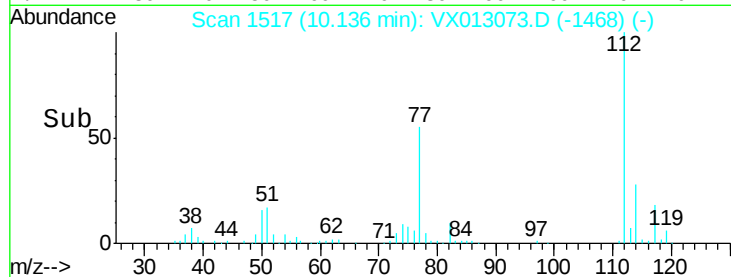
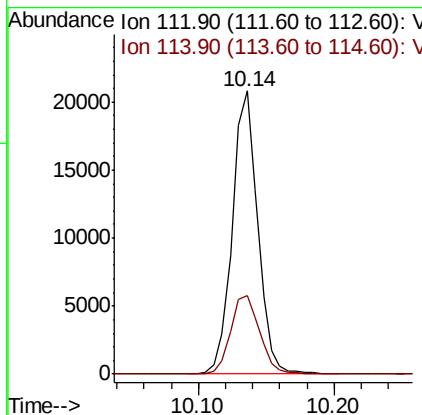
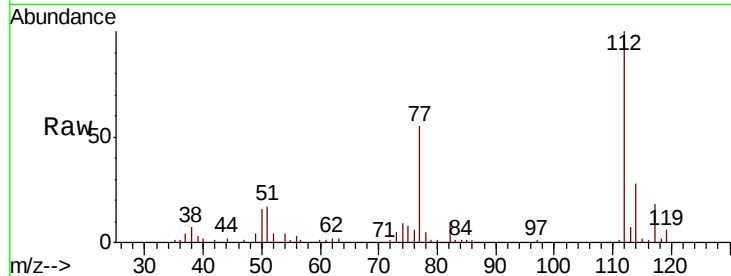
#65
Chlorobenzene
Concen: 5.517 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:112 Resp: 27107
Ion Ratio Lower Upper
112 100
114 27.6 25.7 38.5

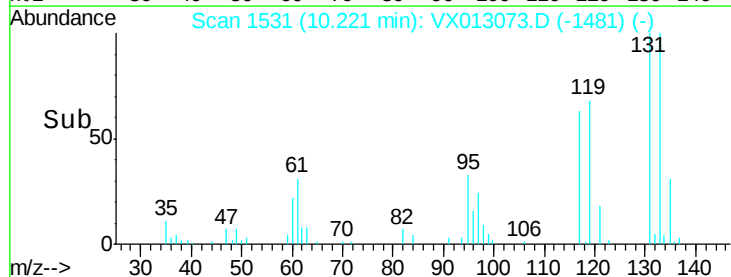
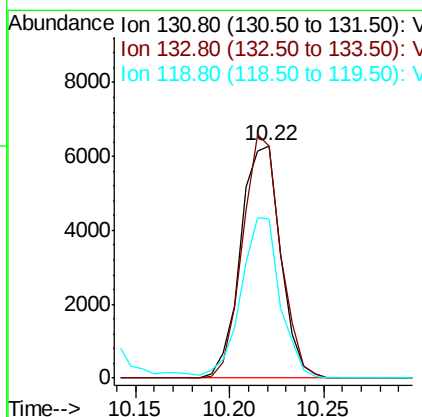
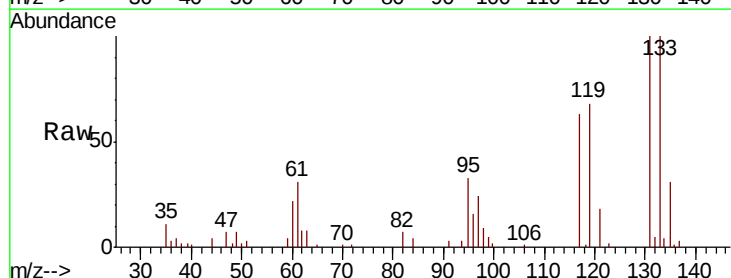
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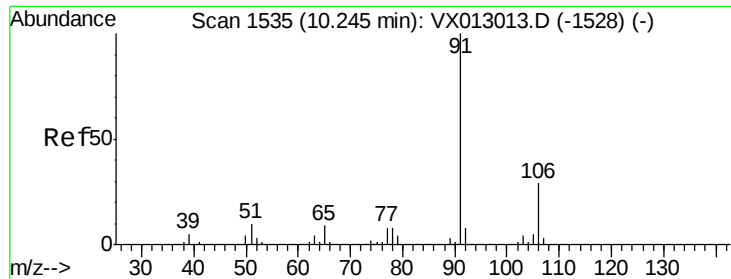
MMDadoda
10/16/2019 9:57:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.431 ug/l
RT: 10.22 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion:131 Resp: 9252
Ion Ratio Lower Upper
131 100
133 99.1 47.2 141.6
119 67.3 32.6 98.0





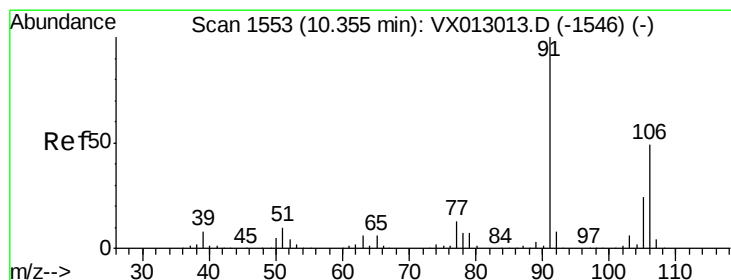
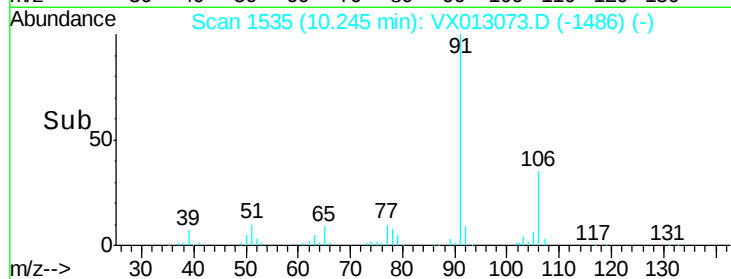
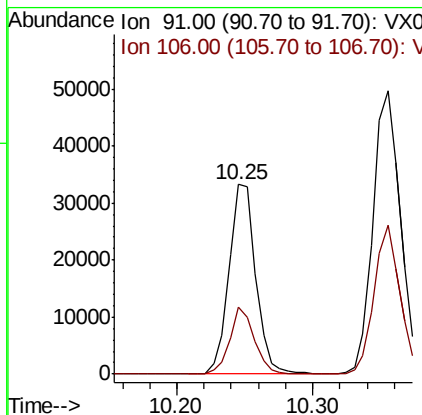
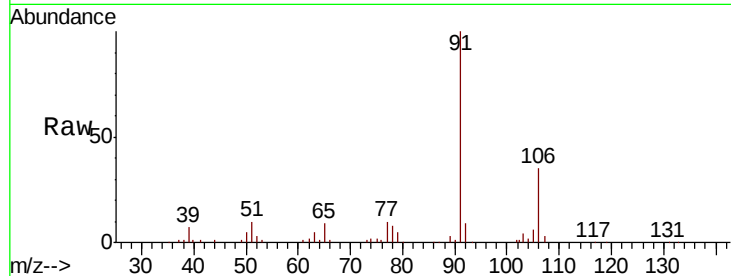
#67
Ethyl Benzene
Concen: 5.248 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 45803
Ion Ratio Lower Upper
91 100
106 35.1 23.9 35.9

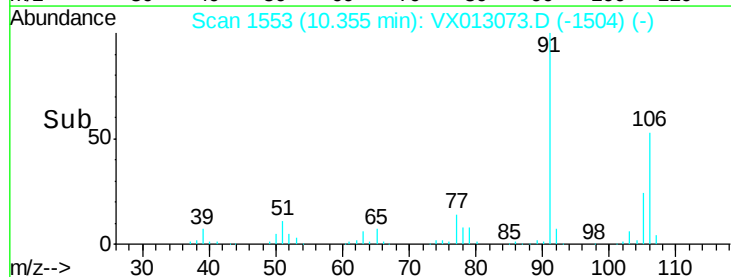
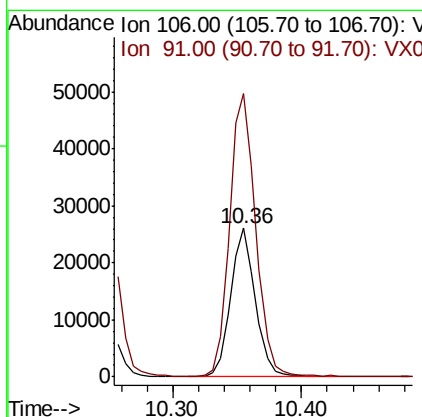
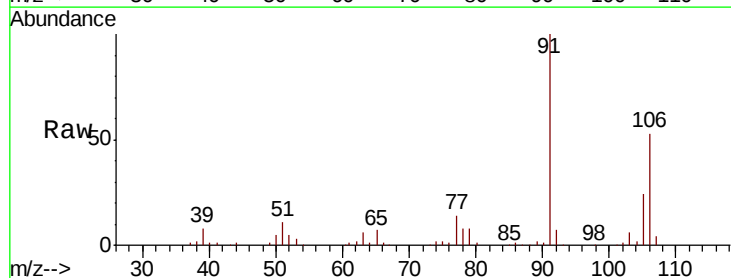
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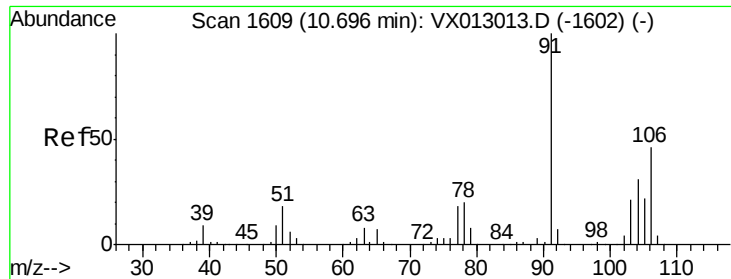
MMDadoda
10/16/2019 9:57:50 AM



#68
m/p-Xylenes
Concen: 10.766 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion: 106 Resp: 35103
Ion Ratio Lower Upper
106 100
91 200.8 165.3 247.9





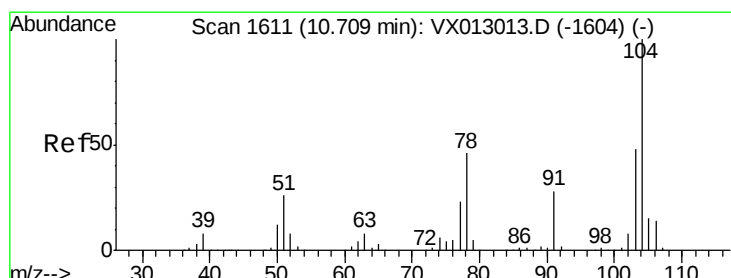
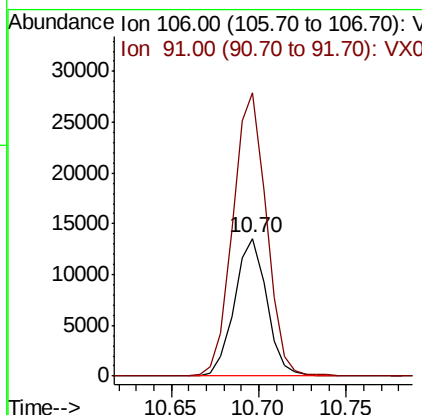
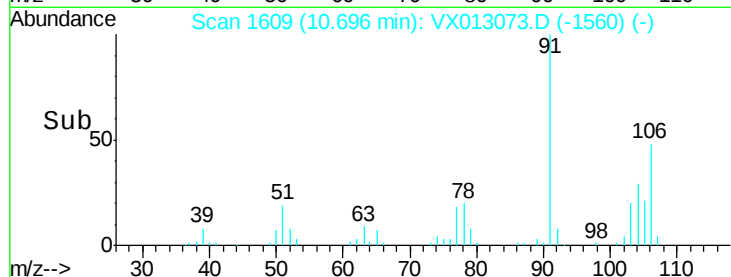
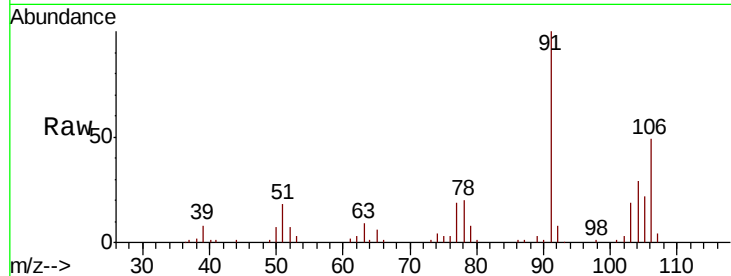
#69
o-Xylene
Concen: 5.482 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:106 Resp: 17431
Ion Ratio Lower Upper
106 100
91 214.6 109.1 327.3

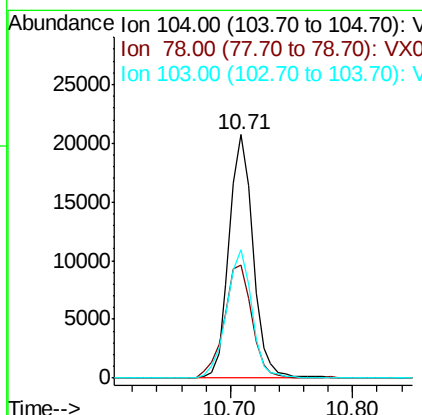
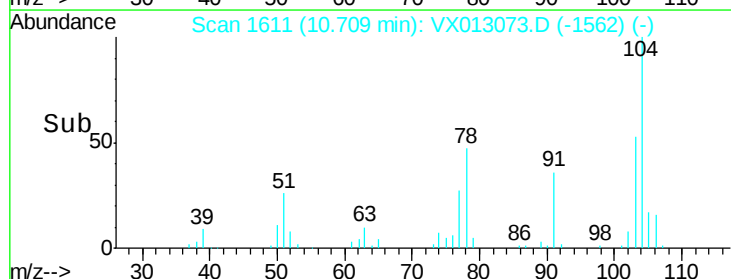
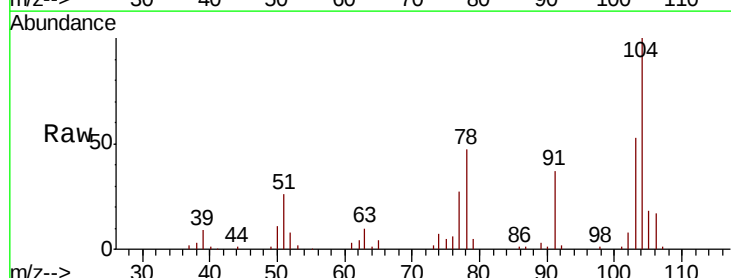
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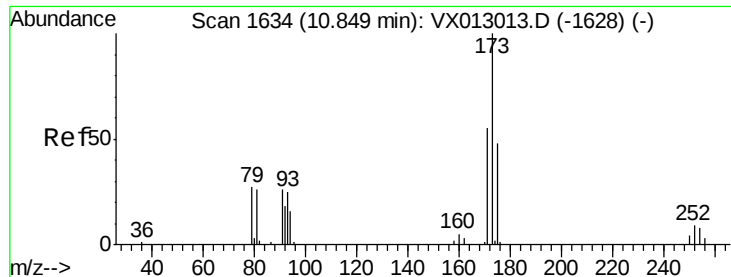
MMDadoda
10/16/2019 9:57:50 AM



#70
Styrene
Concen: 5.208 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion:104 Resp: 28151
Ion Ratio Lower Upper
104 100
78 53.5 41.2 61.8
103 55.9 43.0 64.4





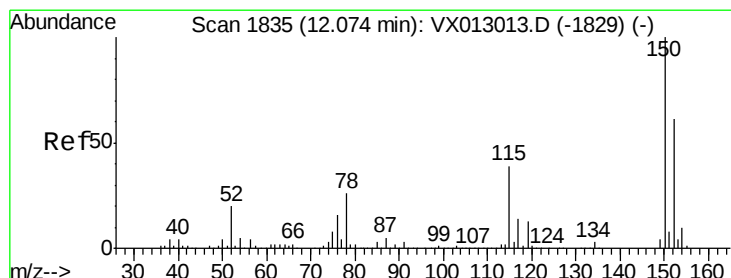
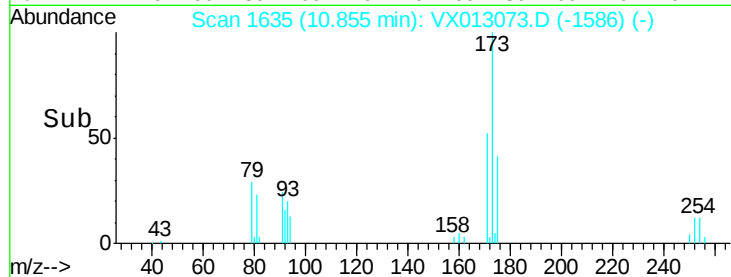
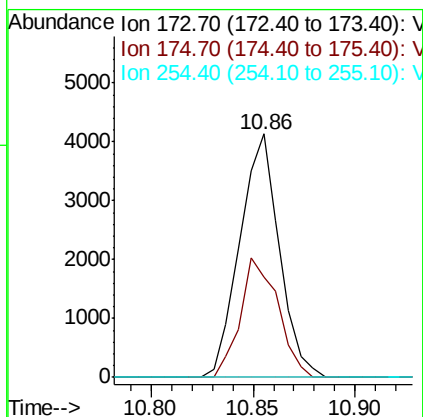
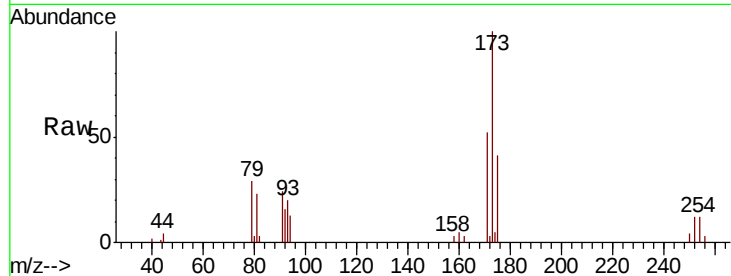
#71
Bromoform
Concen: 4.521 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.1	72.3
254	0.0	0.1	0.1#

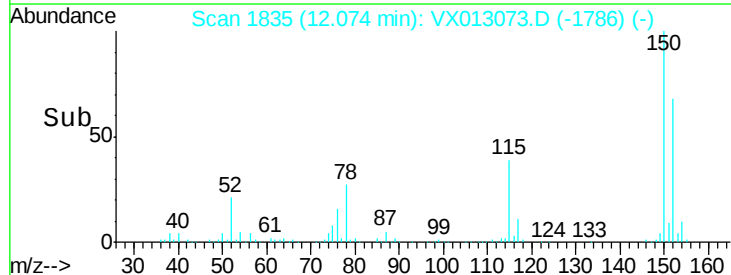
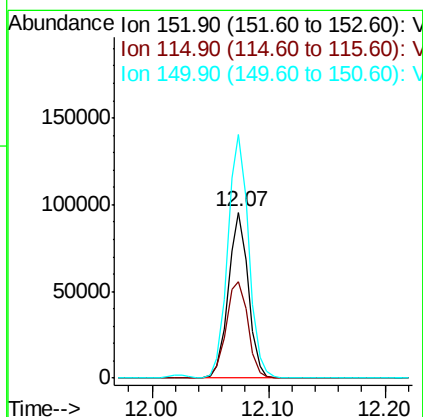
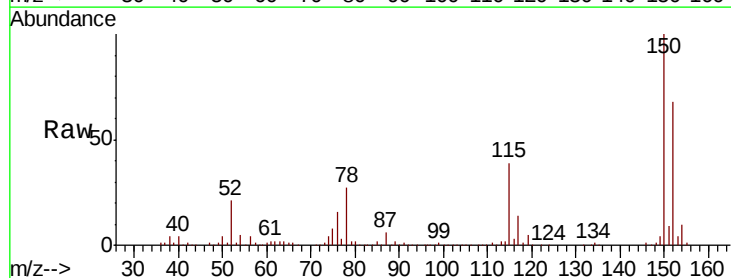
Manual Integrations
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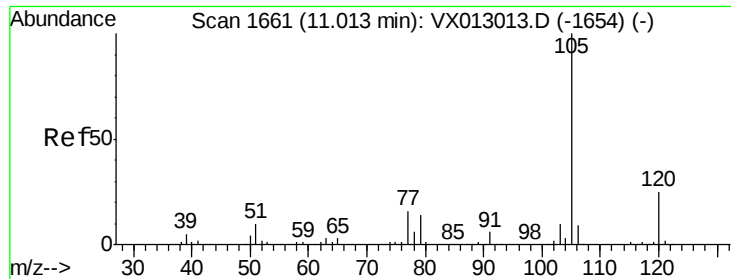
MMDadoda
10/16/2019 9:57:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	44.5	133.5
150	154.1	0.0	353.4





#73

Isopropylbenzene

Concen: 5.302 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 105 Resp: 44148

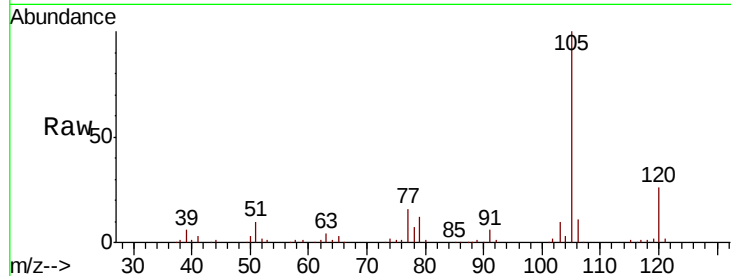
Ion Ratio Lower Upper

105 100

120 24.8 13.0 39.0

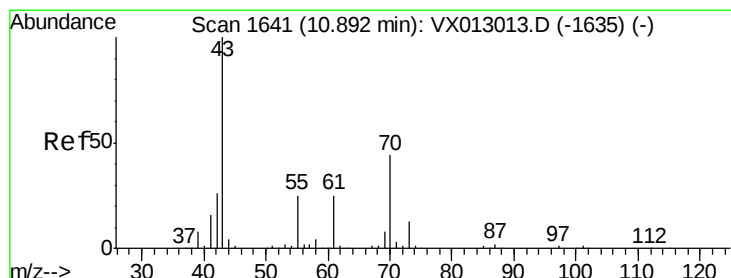
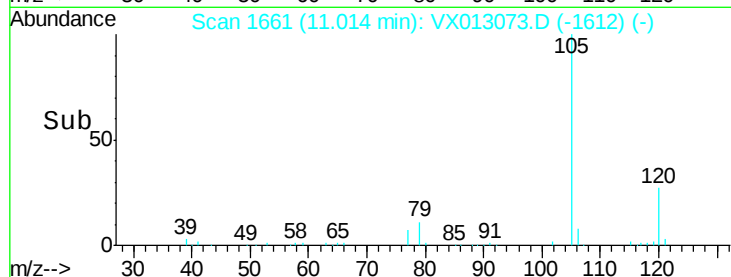
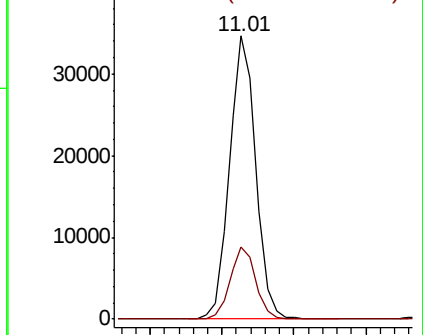
Manual Integrations
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MMDadoda
10/16/2019 9:57:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.828 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion: 43 Resp: 17315

Ion Ratio Lower Upper

43 100

70 45.6 36.4 54.6

55 27.1 20.2 30.2

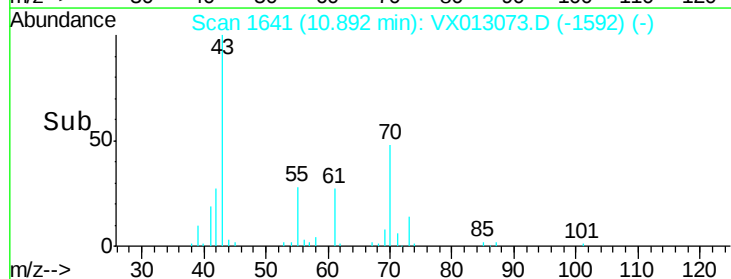
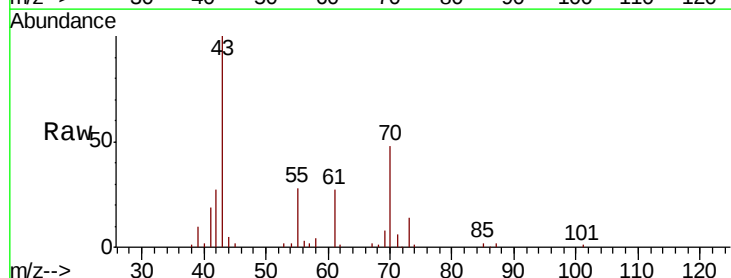
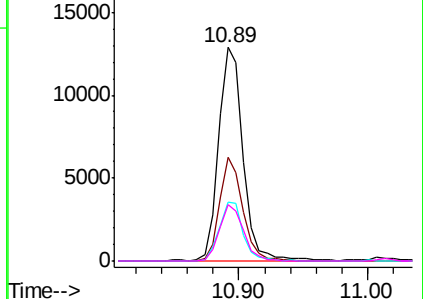
61 26.0 20.5 30.7

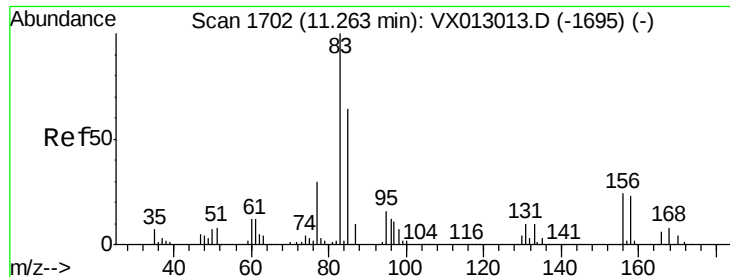
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.500 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

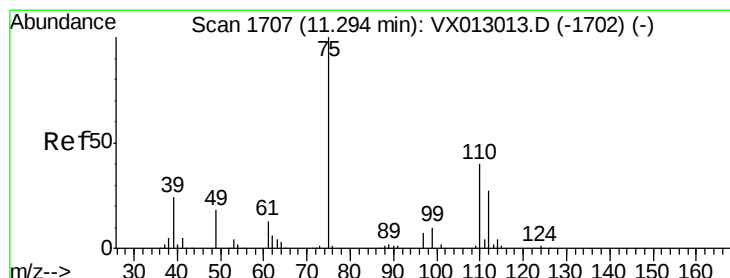
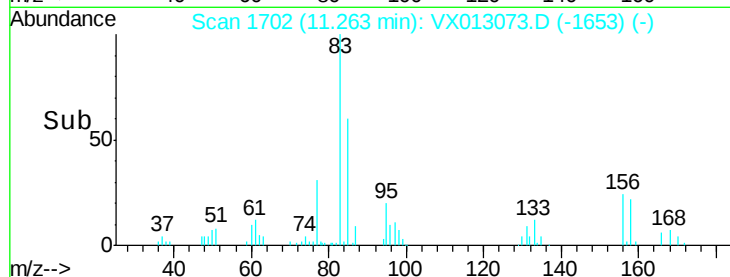
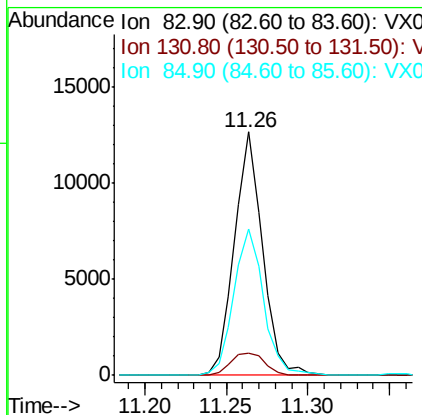
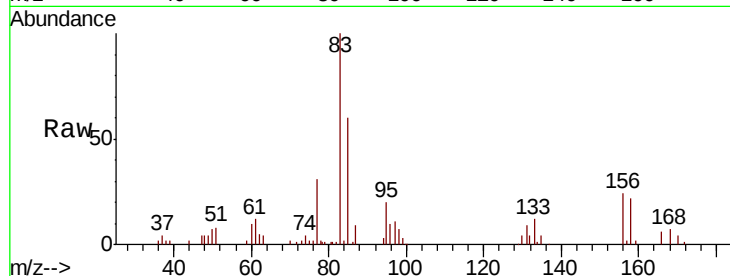
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion	83	Resp	15233
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.1	15.3
85	63.3	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.571 ug/l m

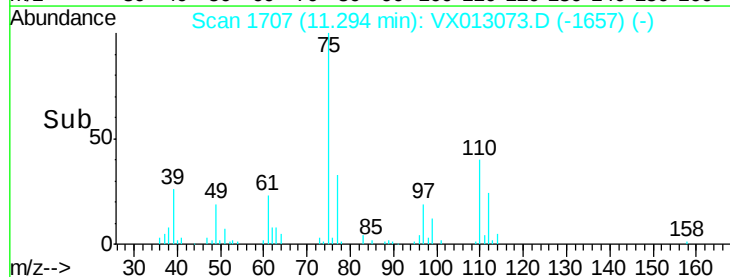
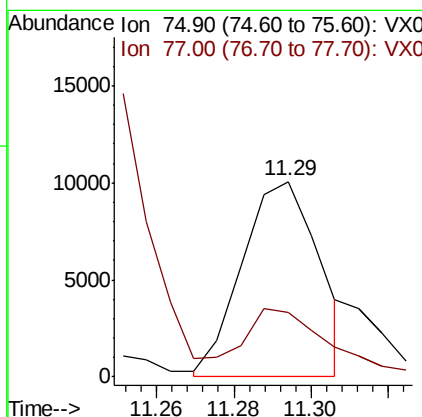
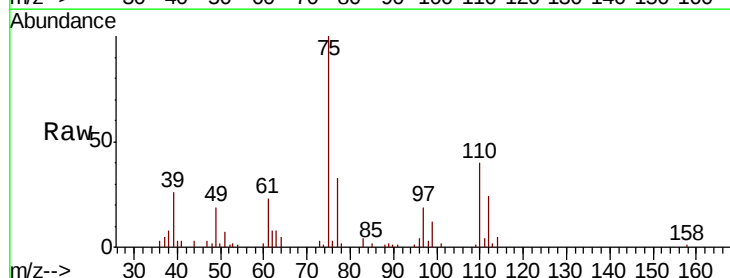
RT: 11.29 min Scan# 1707

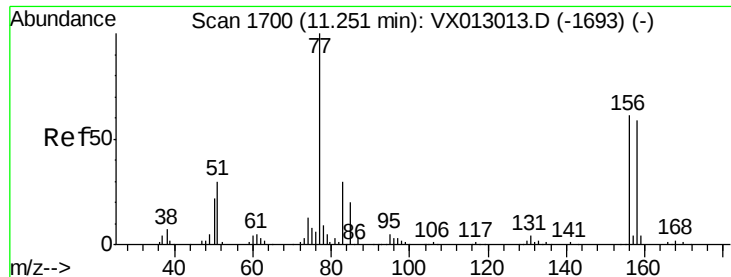
Delta R.T. 0.01 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion	75	Resp	13996
Ion	Ratio	Lower	Upper
75	100		
77	38.5	22.9	68.8





#77

Bromobenzene

Concen: 5.874 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

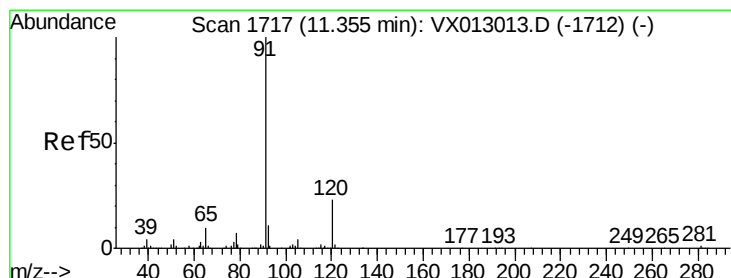
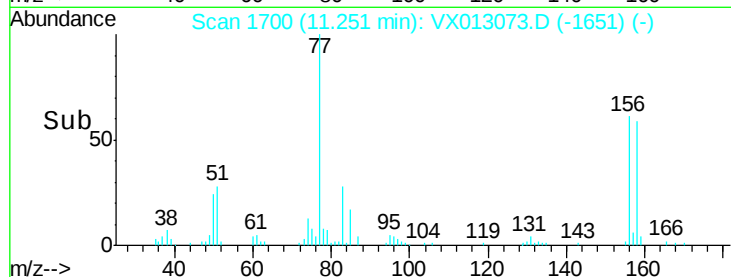
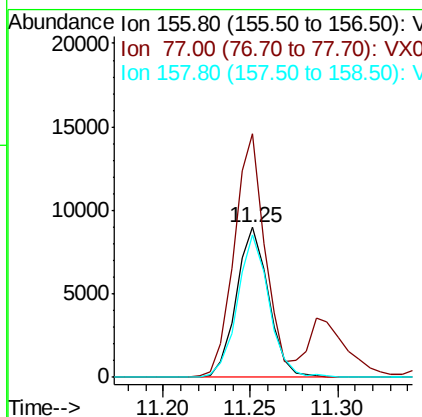
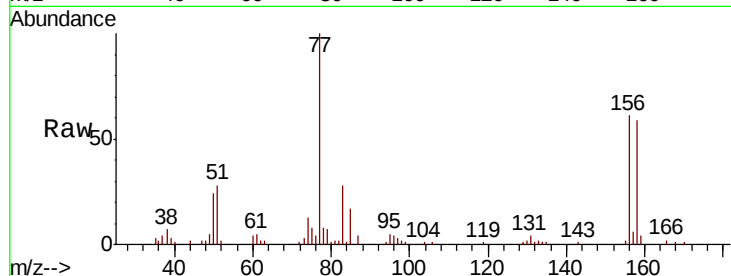
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion	156	Resp	11527
Ion	Ratio	Lower	Upper
156	100		
77	157.9	83.7	251.0
158	93.6	48.6	145.9

Manual Integrations
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10/16/2019 9:57:50 AM



#78

n-propylbenzene

Concen: 5.032 ug/l

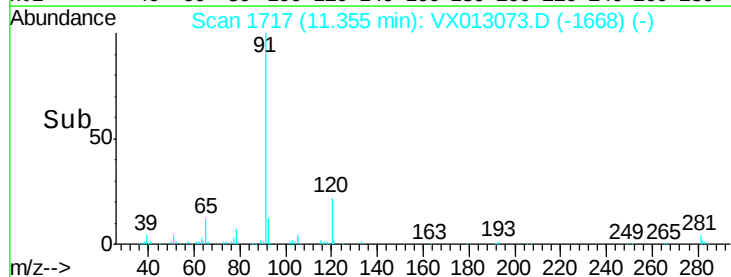
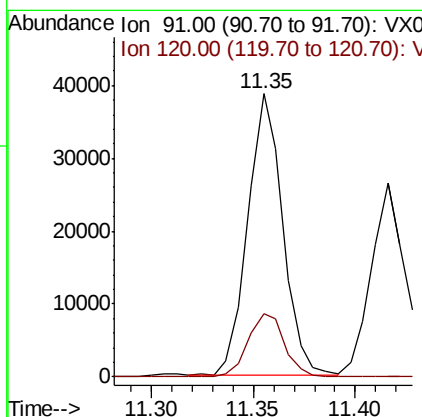
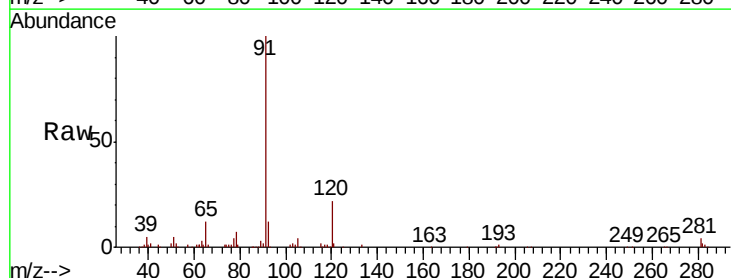
RT: 11.35 min Scan# 1717

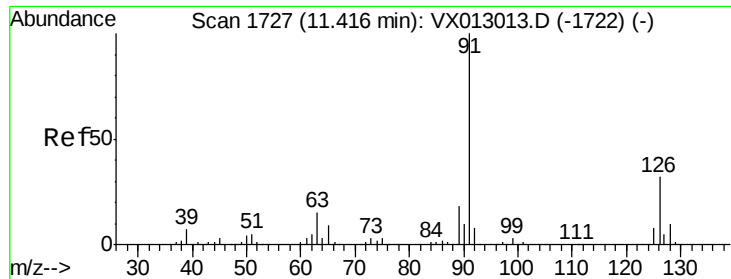
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion	91	Resp	46105
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.1





#79

2-Chlorotoluene

Concen: 5.382 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 30992

Ion Ratio Lower Upper

91 100

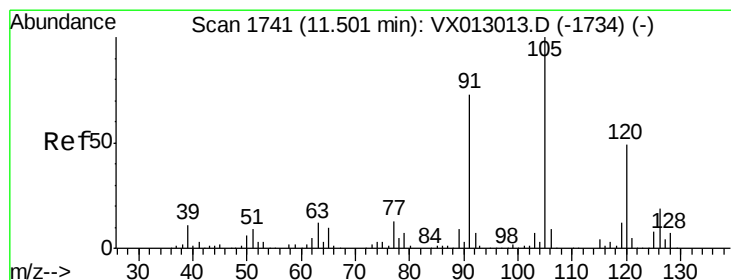
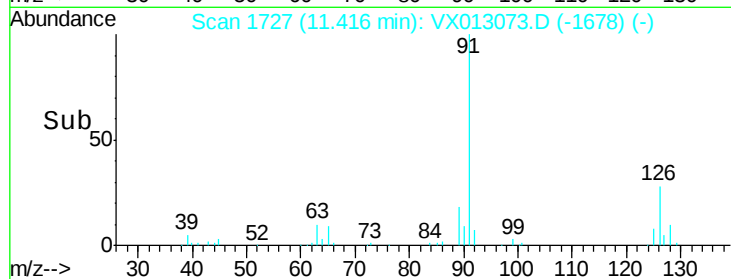
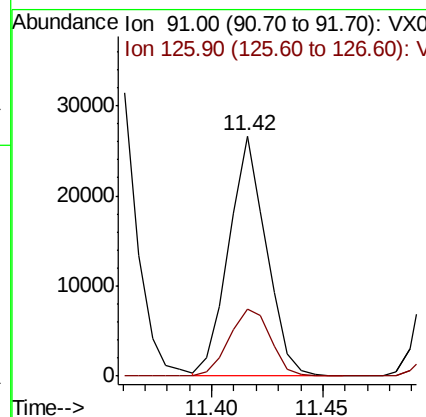
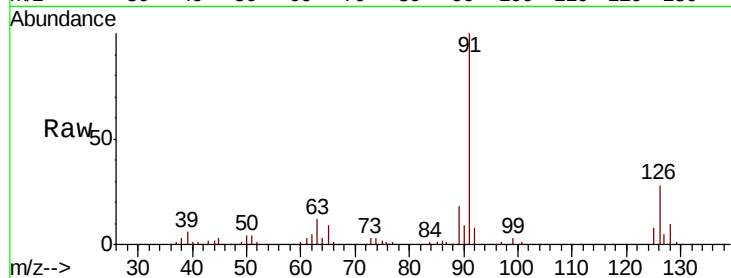
126 31.1 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.356 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013073.D

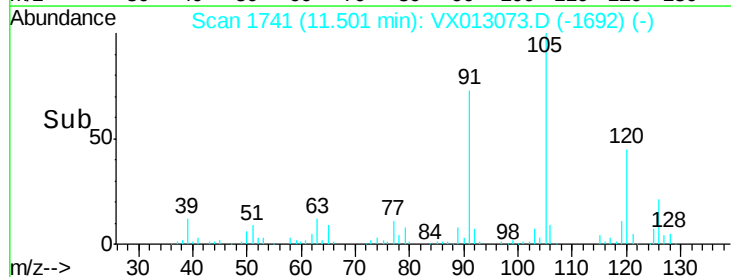
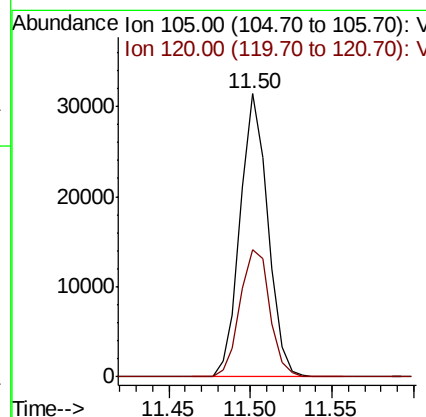
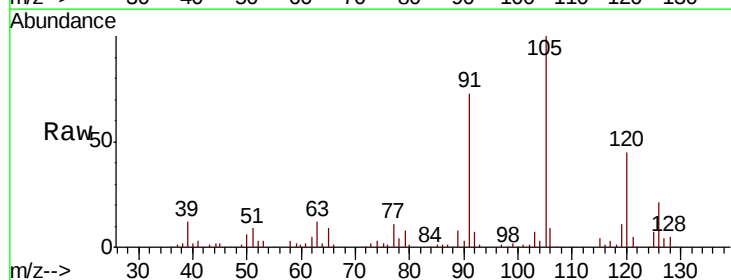
Acq: 15 Oct 2019 13:21

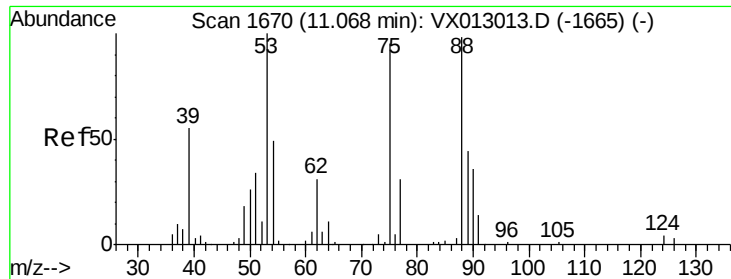
Tgt Ion: 105 Resp: 37240

Ion Ratio Lower Upper

105 100

120 48.4 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 4.170 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

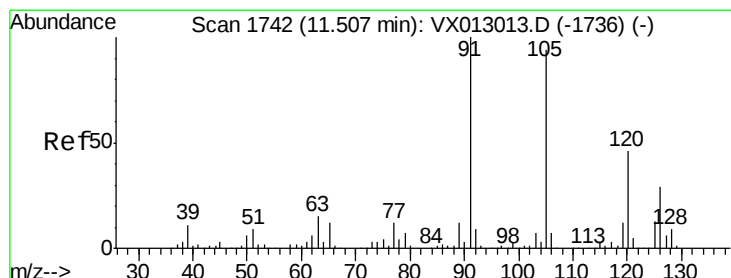
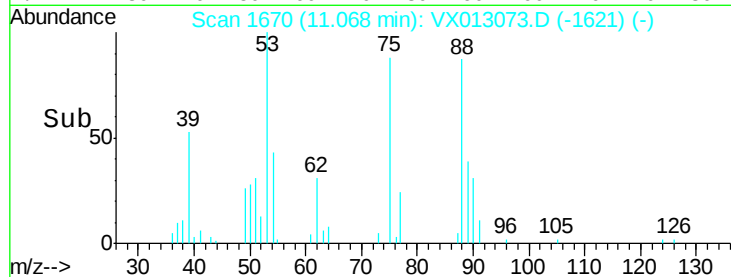
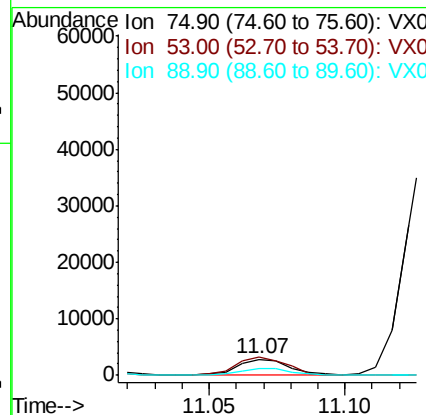
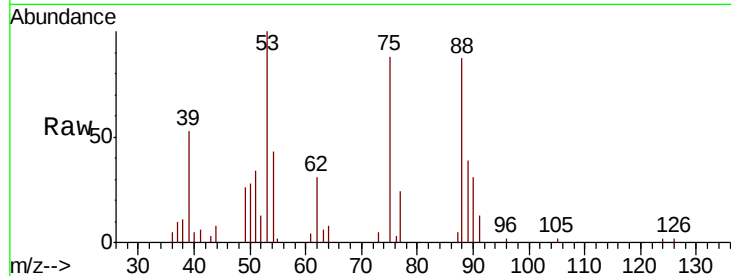
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	75	Resp:	3702
Ion	Ratio	Lower	Upper
75	100		
53	111.5	78.5	117.7
89	47.2	37.4	56.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.363 ug/l

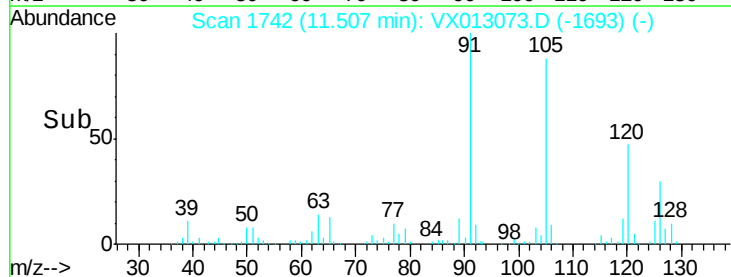
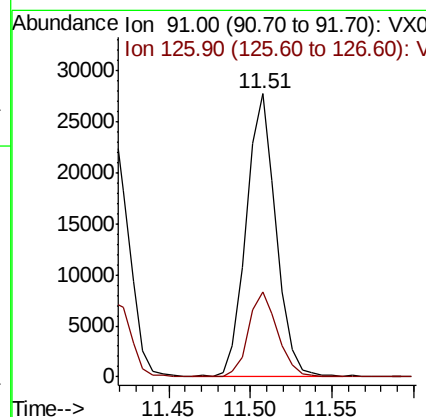
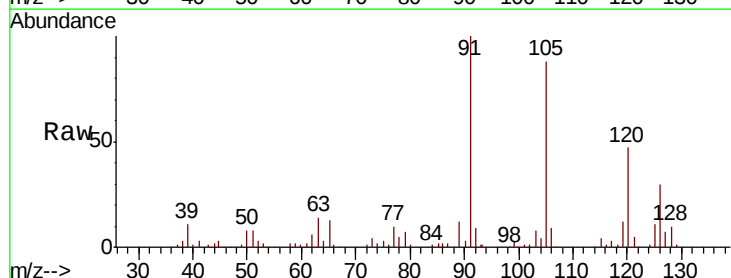
RT: 11.51 min Scan# 1742

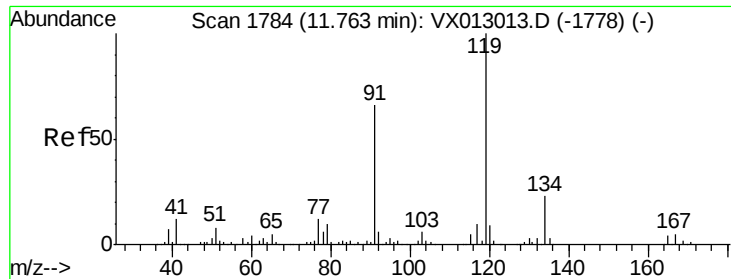
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	91	Resp:	35396
Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.2	42.6





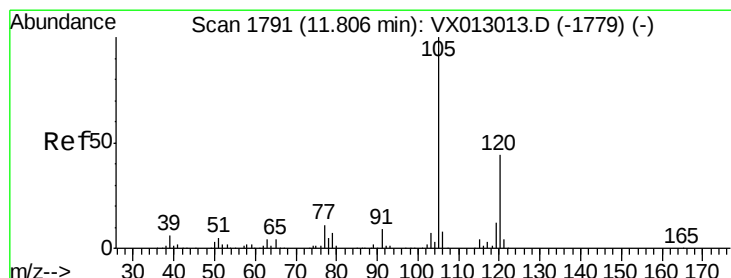
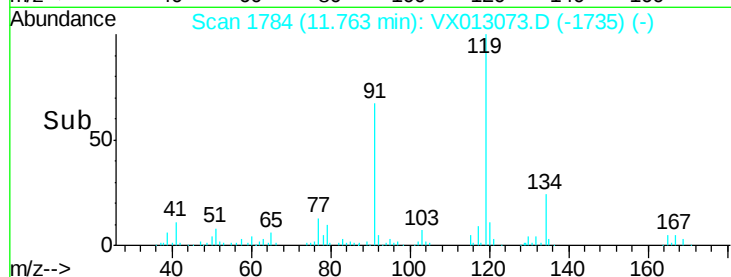
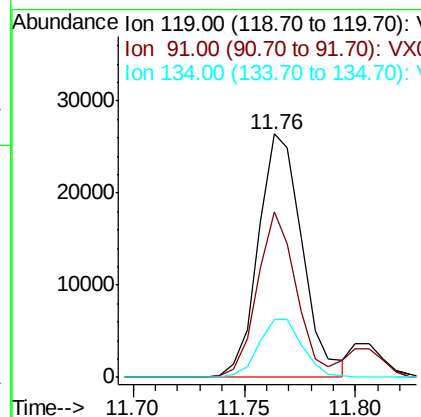
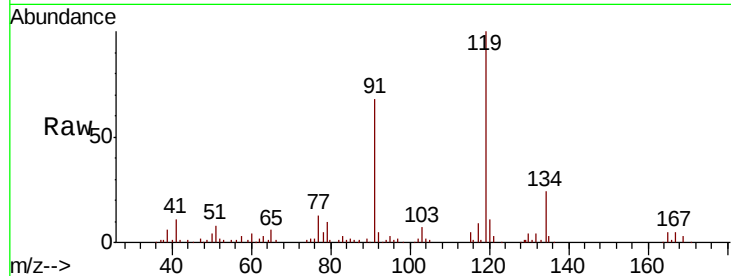
#83
tert-Butylbenzene
Concen: 5.333 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	36175		
91	60.4	29.3	87.9	
134	23.8	11.5	34.4	

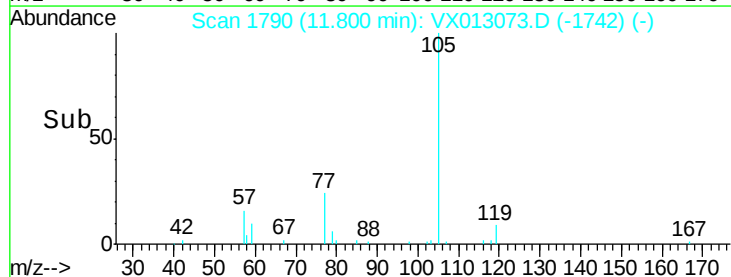
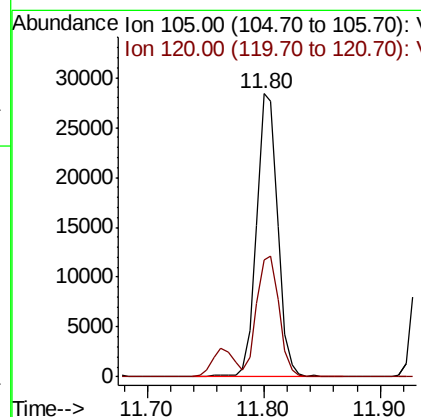
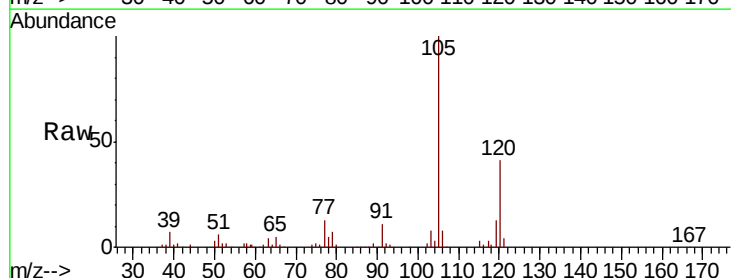
Manual Integrations
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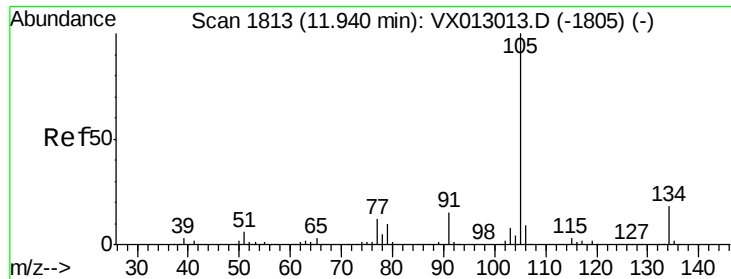
MMDadoda
10/16/2019 9:57:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 5.133 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	36146		
120	44.8	21.8	65.3	





#85

sec-Butylbenzene

Concen: 5.174 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 40662

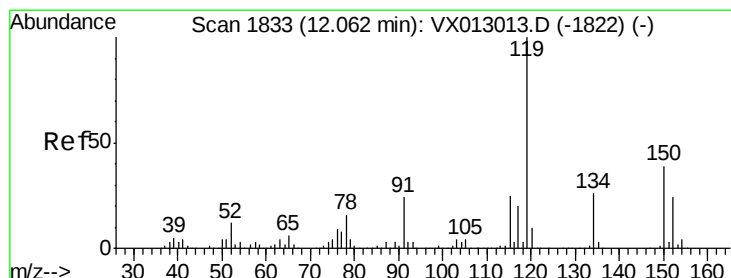
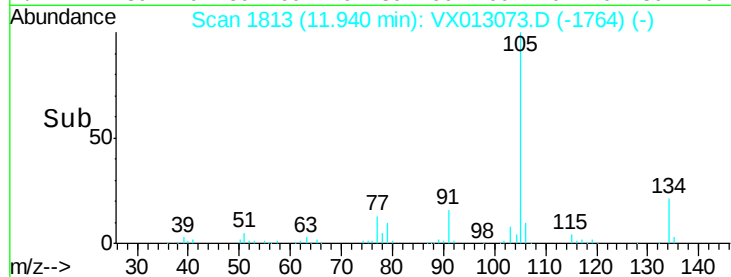
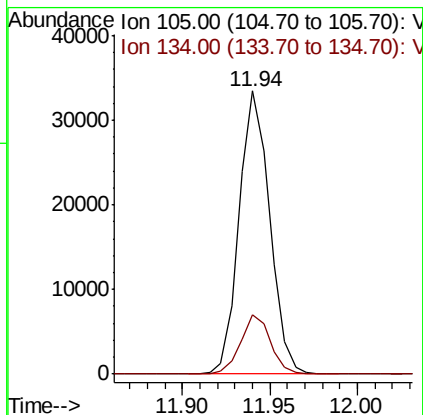
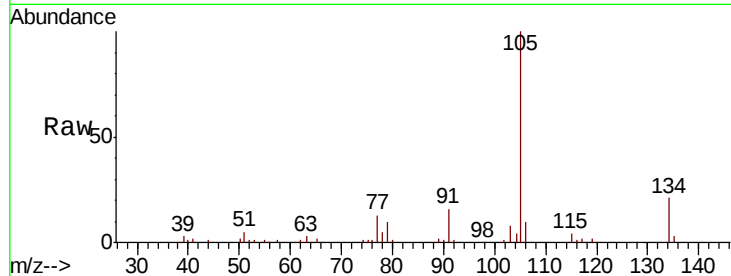
Ion Ratio Lower Upper

105 100

134 20.5 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 5.129 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

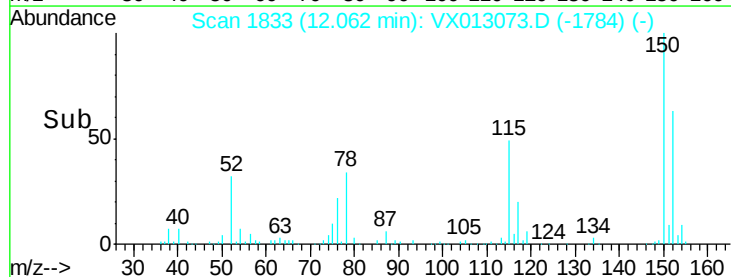
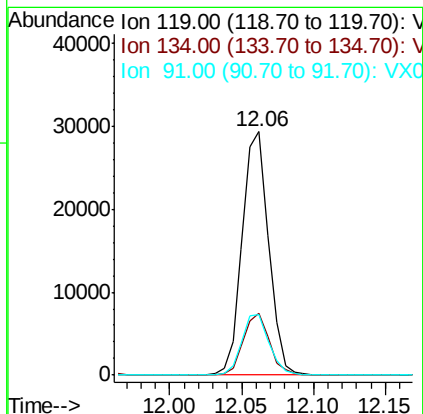
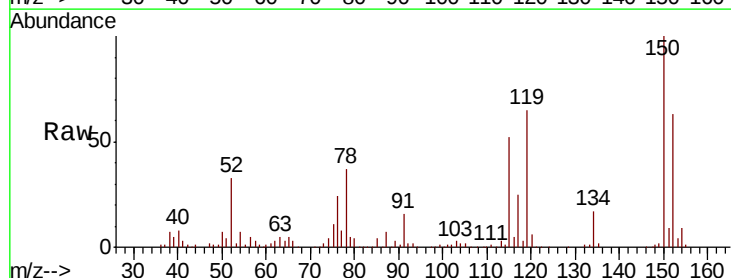
Tgt Ion:119 Resp: 37383

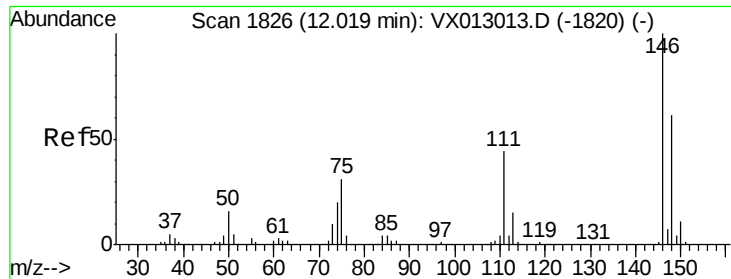
Ion Ratio Lower Upper

119 100

134 24.7 12.6 37.8

91 25.8 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 5.197 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

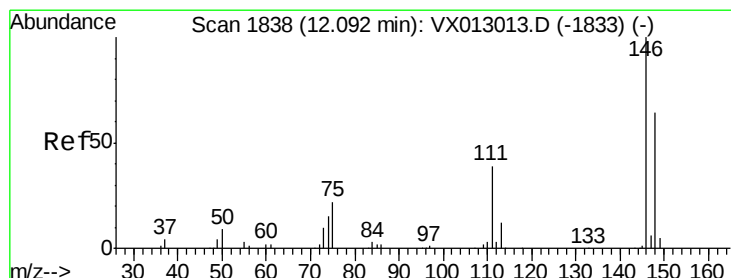
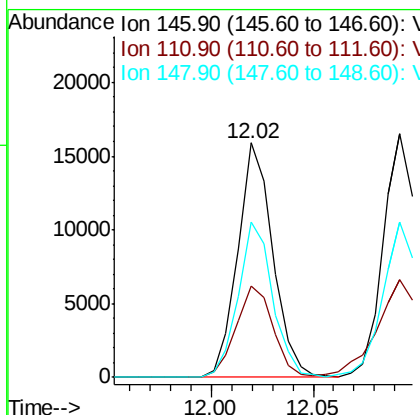
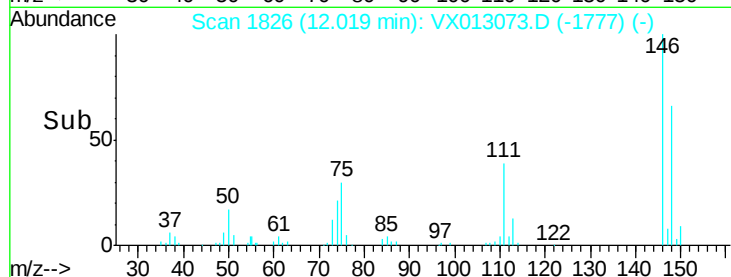
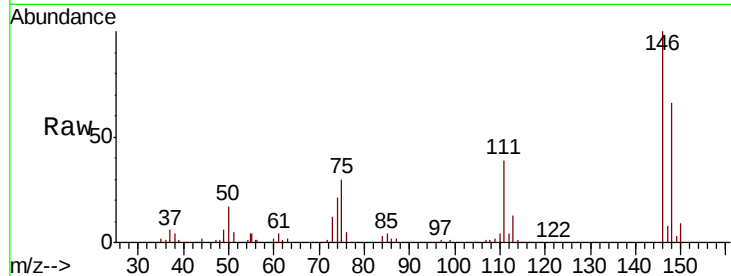
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	146	Resp:	18936
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.1	63.4
148	65.3	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.361 ug/l

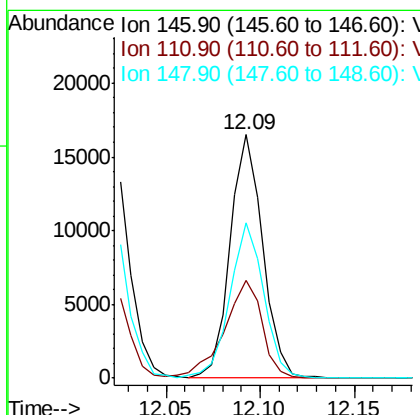
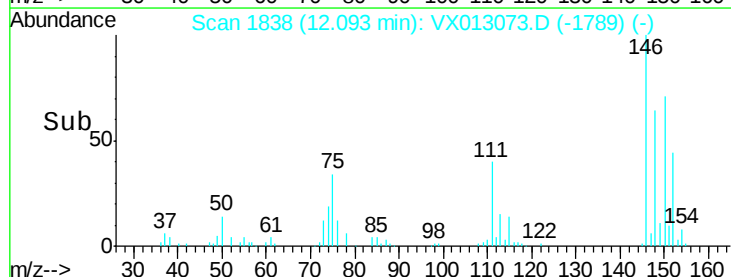
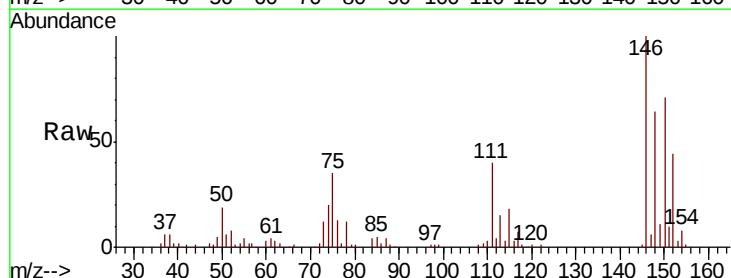
RT: 12.09 min Scan# 1838

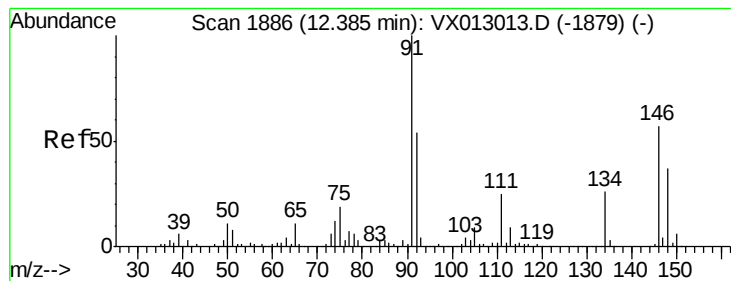
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	146	Resp:	19786
Ion Ratio	Lower	Upper	
146	100		
111	46.8	21.4	64.3
148	66.6	32.1	96.5





#89

n-Butylbenzene

Concen: 4.638 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Instrument :

MSVOA_X

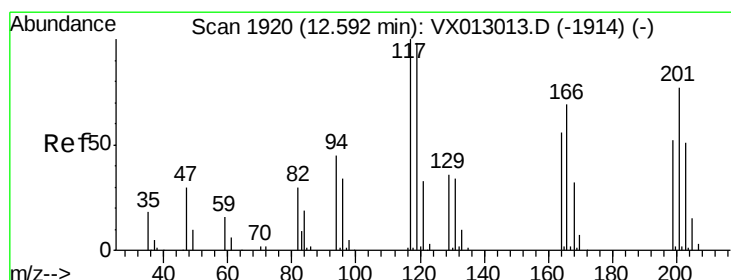
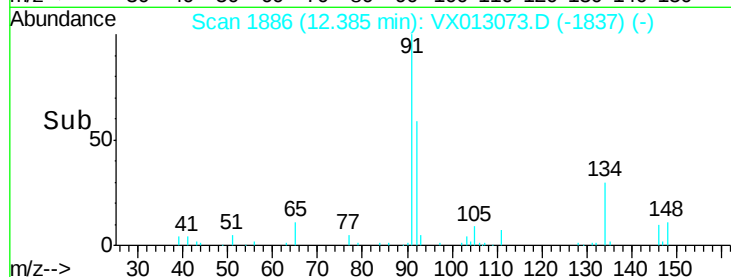
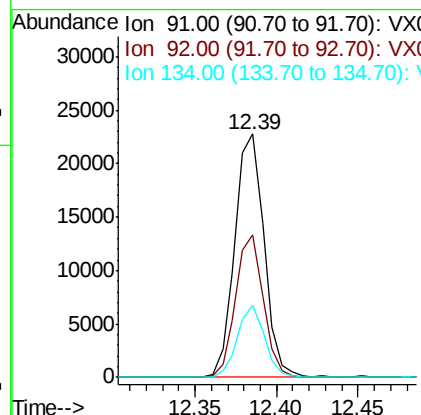
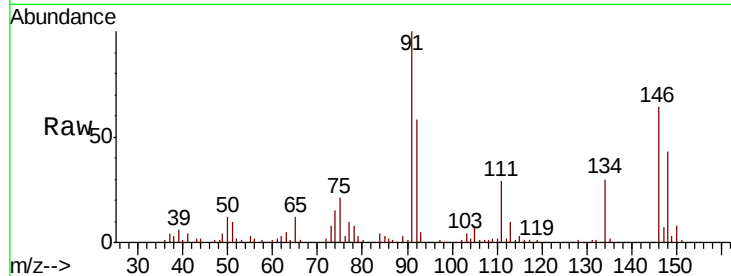
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	91	Resp:	28407
Ion Ratio	Lower	Upper	
91	100		
92	55.2	27.5	82.5
134	27.5	12.9	38.7

Manual Integrations
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10/16/2019 9:57:50 AM



#90

Hexachloroethane

Concen: 4.629 ug/l

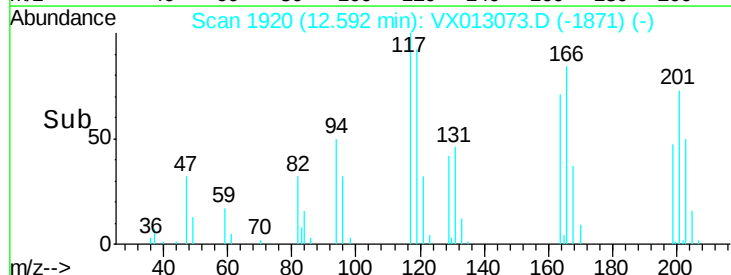
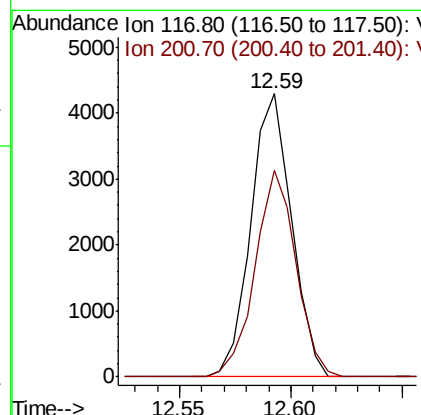
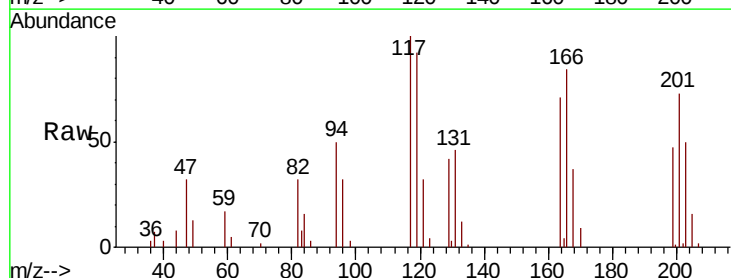
RT: 12.59 min Scan# 1920

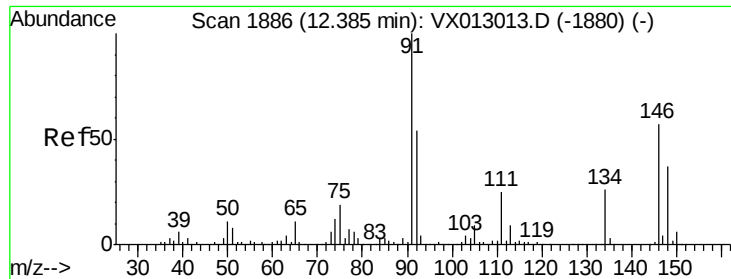
Delta R.T. 0.00 min

Lab File: VX013073.D

Acq: 15 Oct 2019 13:21

Tgt Ion:	117	Resp:	5465
Ion Ratio	Lower	Upper	
117	100		
201	73.3	36.9	110.7





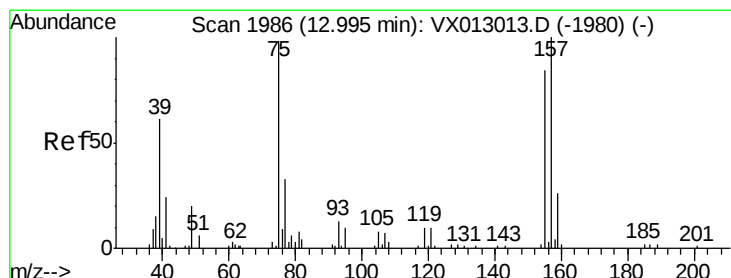
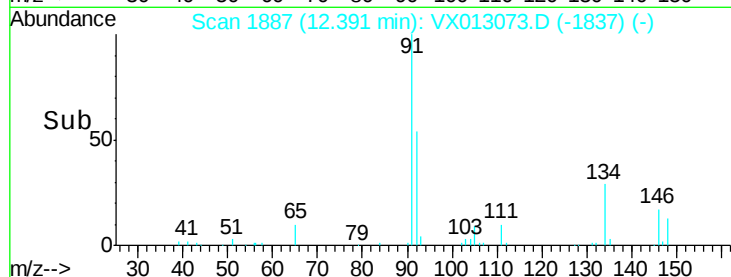
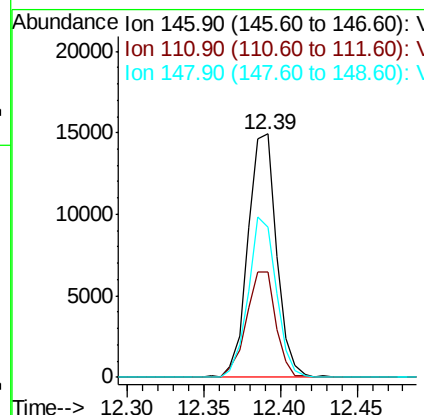
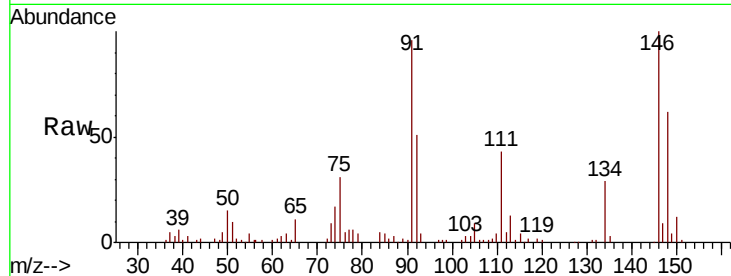
#91
 1,2-Dichlorobenzene
 Concen: 5.420 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.7	68.0
148	64.4	31.6	94.7

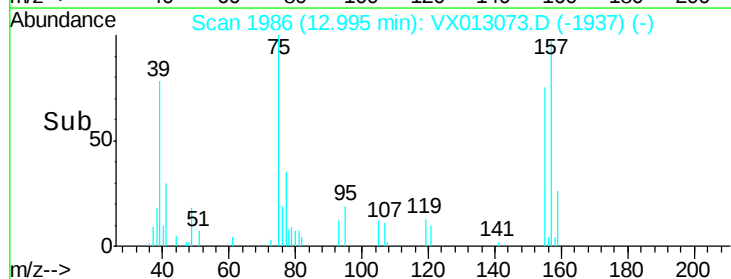
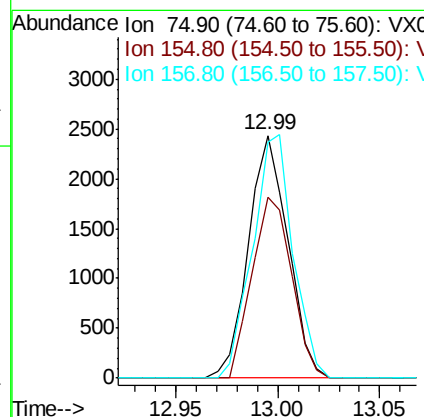
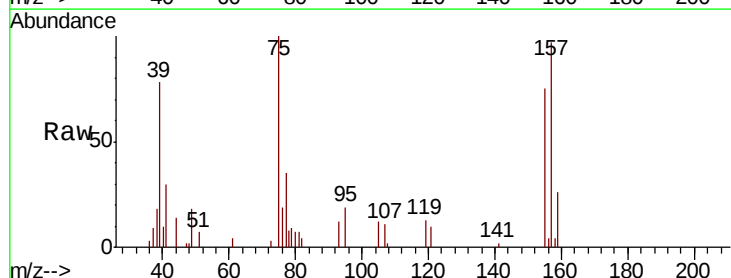
Manual Integrations
 APPROVED

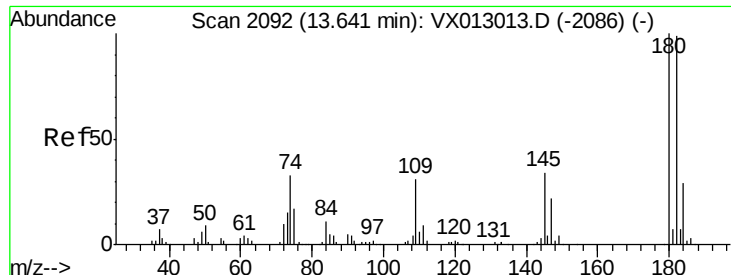
MMDadoda
 10/16/2019 9:57:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.040 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013073.D
 Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	43.0	128.8
157	102.9	54.1	162.3





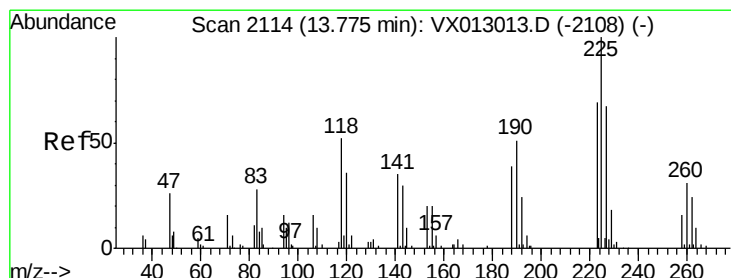
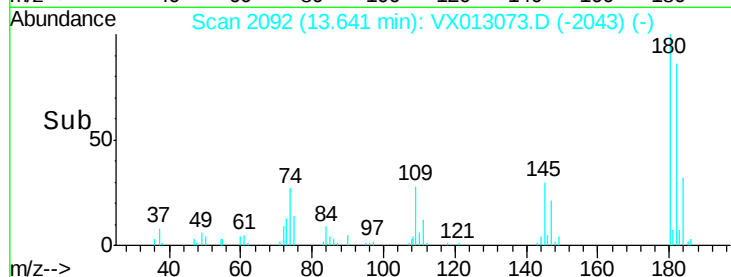
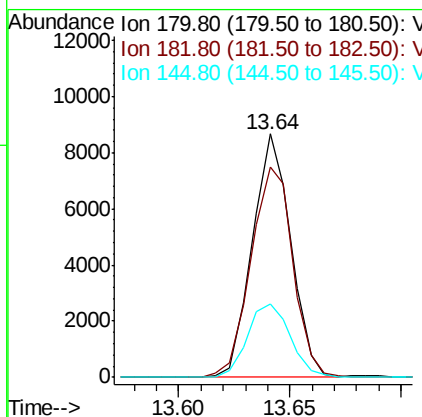
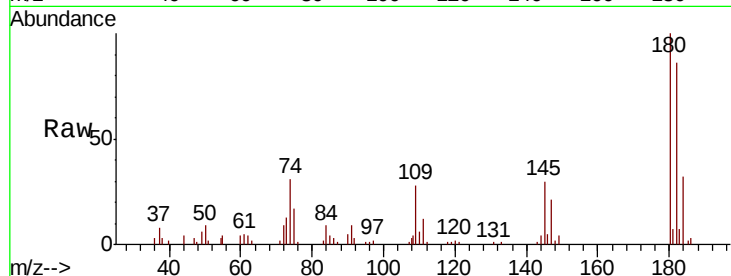
#93
1,2,4-Trichlorobenzene
Concen: 4.663 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	10436		
182	94.5	46.8	140.4	
145	33.6	16.2	48.6	

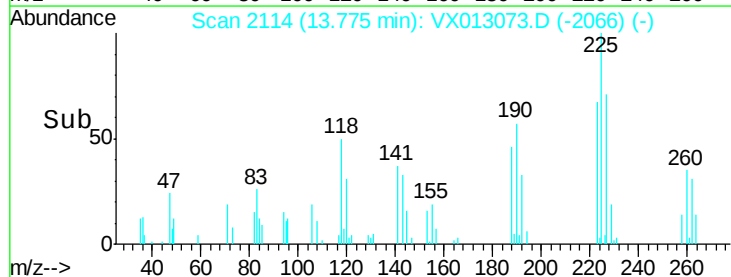
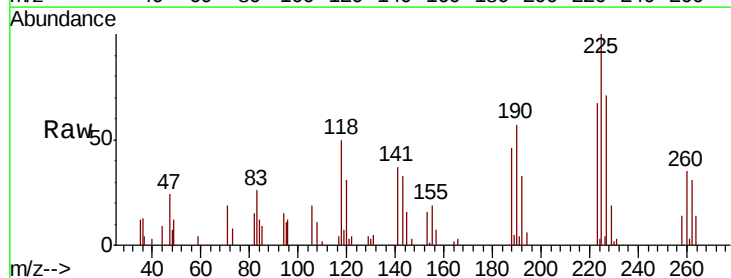
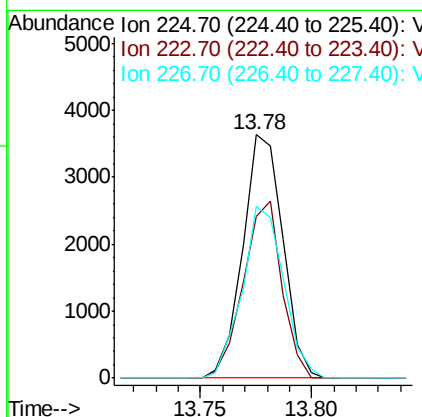
Manual Integrations
APPROVED

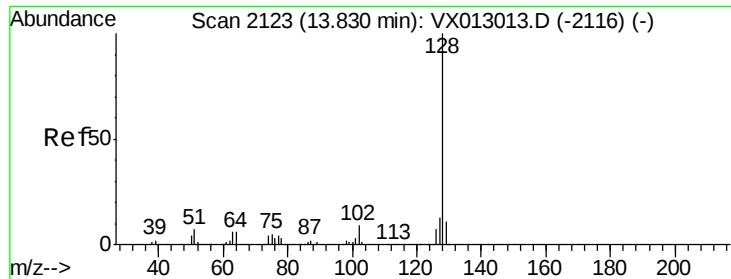
MMDadoda
10/16/2019 9:57:50 AM



#94
Hexachlorobutadiene
Concen: 4.444 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	4590		
223	69.6	31.1	93.2	
227	72.8	32.3	96.9	





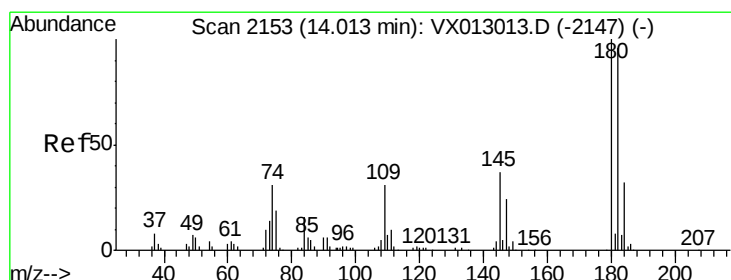
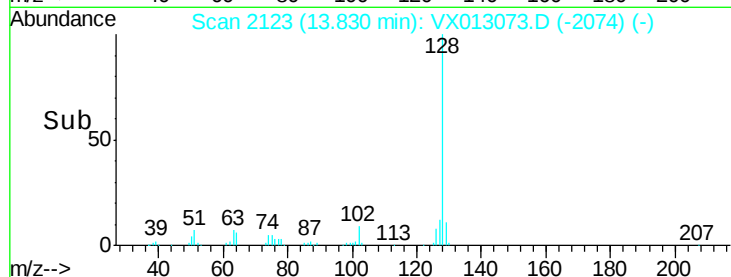
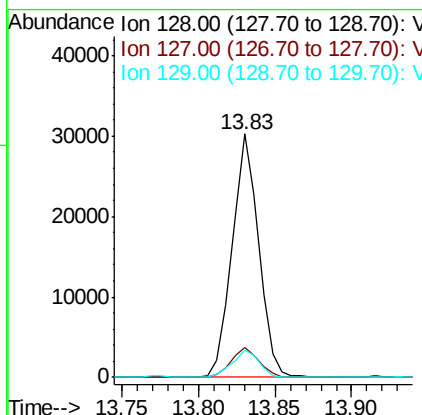
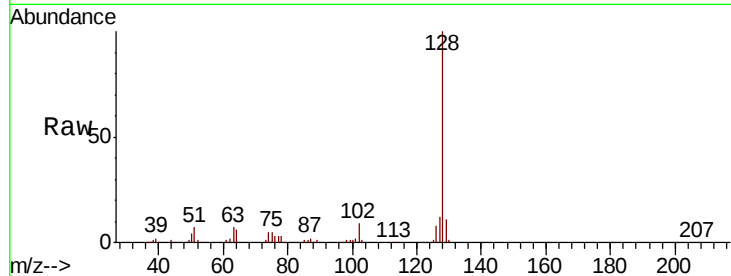
#95
Naphthalene
Concen: 4.706 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/16/2019 9:57:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.892 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013073.D
Acq: 15 Oct 2019 13:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.5	142.5
145	34.6	17.4	52.3

