

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015998.D
 Acq On : 30 Apr 2020 16:22
 Operator : JC/SP
 Sample : L2182-08 5.0PPB LOO
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Manual Integrations
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 5/4/2020 3:10:28 PM

Quant Time: May 01 08:44:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	50410	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	282178	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	254331	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	119664	30.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.97%
60) 4-Bromofluorobenzene	11.12	95	125121	29.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.80%
63) Toluene-d8	8.70	98	333984	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11837	3.409	ug/l 100
3) Chloromethane	1.31	50	15370	4.518	ug/l 96
4) Vinyl Chloride	1.39	62	18012	4.660	ug/l 95
5) Bromomethane	1.62	94	12568	5.305	ug/l 94
6) Chloroethane	1.71	64	12085	4.769	ug/l 99
7) Trichlorofluoromethane	1.92	101	26030	4.702	ug/l 100
8) Diethyl Ether	2.17	74	11034	4.993	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	13948	4.879	ug/l 98
10) 1,1-Dichloroethene	2.36	96	13233	4.588	ug/l 86
11) Methyl Iodide	2.49	142	16462	4.180	ug/l 98
12) Methyl Acetate	2.75	43	22623	4.492	ug/l 98
13) Acrolein	2.27	56	9921	24.573	ug/l 99
14) Acrylonitrile	3.12	53	45906	24.677	ug/l 99
15) Acetone	2.42	58	12863	26.127	ug/l 93
16) Carbon Disulfide	2.55	76	43197	4.923	ug/l 98
17) Allyl chloride	2.71	41	25806	4.823	ug/l 93
18) Methylene Chloride	2.84	84	16103	4.983	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	15259	4.837	ug/l 94
20) Diisopropyl ether	3.82	45	49118	4.761	ug/l # 84
21) 1,1-Dichloroethane	3.67	63	27995	4.866	ug/l 98
22) cis-1,2-Dichloroethene	4.57	96	17645	4.928	ug/l 95
23) tert-Butyl Alcohol	3.01	59	23206	25.483	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	50455	4.871	ug/l 99
25) Chloroform	5.18	83	28029	4.797	ug/l 94
26) Cyclohexane	5.55	56	24727	4.700	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	21289	4.797	ug/l 99
30) 2-Butanone	4.64	43	66087	24.991	ug/l 100
31) 2,2-Dichloropropane	4.56	77	25339	4.744	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	25503	4.737	ug/l 98
33) Carbon Tetrachloride	5.76	117	22549	4.704	ug/l 97
34) Benzene	6.12	78	61577	4.750	ug/l 99
35) Methacrylonitrile	5.01	41	13148	4.682	ug/l 96
36) 1,2-Dichloroethane	6.17	62	24500	4.949	ug/l 100
37) Trichloroethene	7.20	130	22871	4.960	ug/l 98
38) Methylcyclohexane	7.45	83	25386	4.681	ug/l 98
39) 1,2-Dichloropropane	7.49	63	15289	4.595	ug/l 96
40) Dibromomethane	7.64	93	10977	4.751	ug/l 97

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Quant Time: May 01 08:44:00 2020
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	21451	4.503	ug/l	95
42) Vinyl Acetate	3.79	43	209410	23.936	ug/l	100
43) Ethyl Acetate	4.80	43	23977	4.596	ug/l	97
44) Isopropyl Acetate	6.42	43	42072	4.970	ug/l	99
45) 1,4-Dioxane	7.72	88	9014	100.811	ug/l	99
46) Methyl methacrylate	7.75	41	18035	4.494	ug/l	90
47) n-amyl Acetate	10.88	43	33729	4.557	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	25150	4.547	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	26458	4.630	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	15693	4.820	ug/l	99
51) Ethyl methacrylate	9.16	69	23865	4.439	ug/l	97
52) 1,3-Dichloropropane	9.35	76	26699	4.743	ug/l	97
53) Dibromochloromethane	9.57	129	16209	4.376	ug/l	99
54) 1,2-Dibromoethane	9.65	107	16514	4.615	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	66293	22.664	ug/l	100
56) Bromoform	10.84	173	11870	4.253	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	124347	24.793	ug/l	100
59) 2-Hexanone	9.48	43	95389	24.622	ug/l	99
61) Tetrachloroethene	9.32	164	25019	4.973	ug/l	98
62) Toluene	8.77	91	65861	4.847	ug/l	99
64) Chlorobenzene	10.12	112	41613	4.810	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	15623	4.757	ug/l	99
66) Ethyl Benzene	10.24	91	73119	4.726	ug/l	96
67) m/p-Xylenes	10.34	106	55590	9.431	ug/l	98
68) o-Xylene	10.68	106	26763	4.709	ug/l	100
69) Styrene	10.70	104	43033	4.424	ug/l	98
70) Isopropylbenzene	11.01	105	71871	4.683	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	11684	4.096	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	22668m	4.906	ug/l	
73) Bromobenzene	11.24	156	18426	4.765	ug/l	98
74) n-propylbenzene	11.34	91	81878	4.594	ug/l	99
75) 2-Chlorotoluene	11.40	91	49657	4.741	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	59946	4.602	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	8460	4.258	ug/l	96
78) 4-Chlorotoluene	11.49	91	57280	4.620	ug/l	98
79) tert-butylbenzene	11.76	119	51921	4.667	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	59536	4.575	ug/l	100
81) sec-Butylbenzene	11.93	105	69008	4.599	ug/l	99
82) p-Isopropyltoluene	12.05	119	61248	4.405	ug/l	98
83) 1,3-Dichlorobenzene	12.01	146	32267	4.628	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	32475	4.688	ug/l	99
85) n-Butylbenzene	12.37	91	54399	4.283	ug/l	99
86) Hexachloroethane	12.58	117	10314	4.214	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	31109	4.614	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	5822	4.877	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	22140	4.458	ug/l	100
90) Hexachlorobutadiene	13.77	225	9856	4.617	ug/l	100
91) Naphthalene	13.82	128	71182	4.502	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	21863	4.582	ug/l	97

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LOQ-WATER-02-QT2-2020

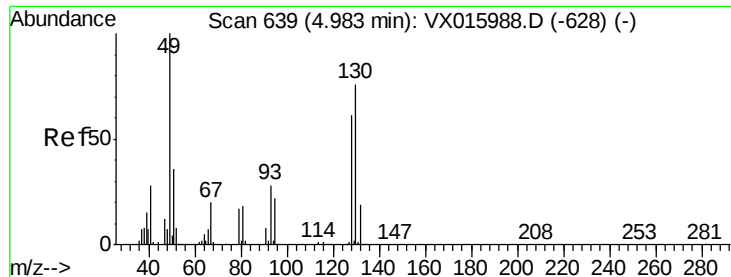
Manual Integrations
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Quant Time: May 01 08:44:00 2020
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QLast Update : Thu Apr 30 12:42:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

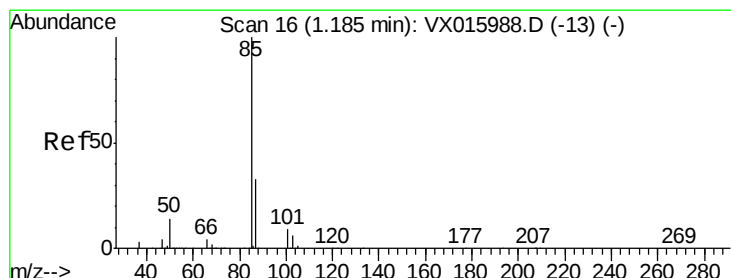
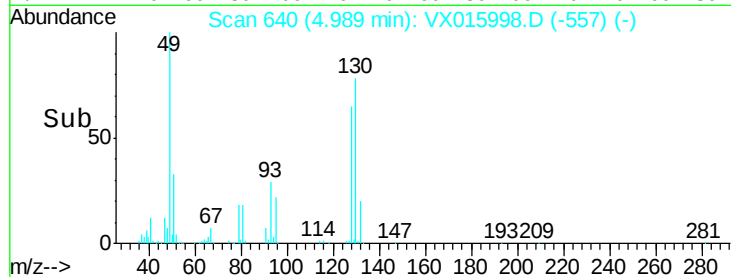
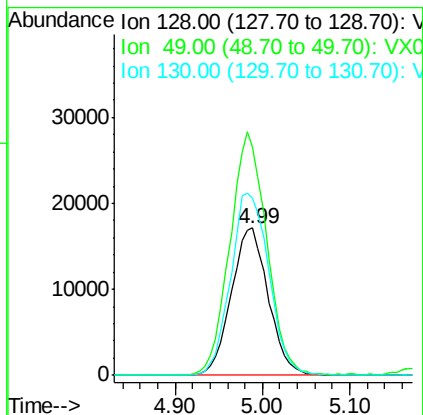
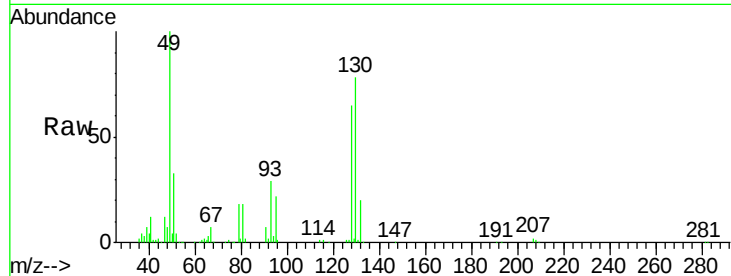
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	128	Resp:	50410
Ion	Ratio	Lower	Upper
128	100		
49	164.3	0.0	418.5
130	128.1	0.0	326.3

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#2

Dichlorodifluoromethane

Concen: 3.409 ug/l

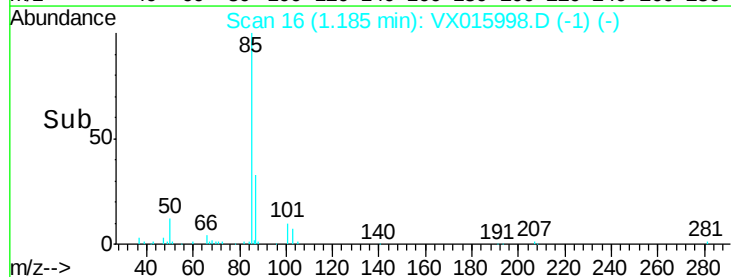
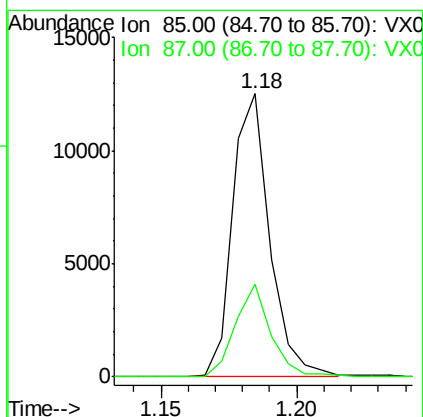
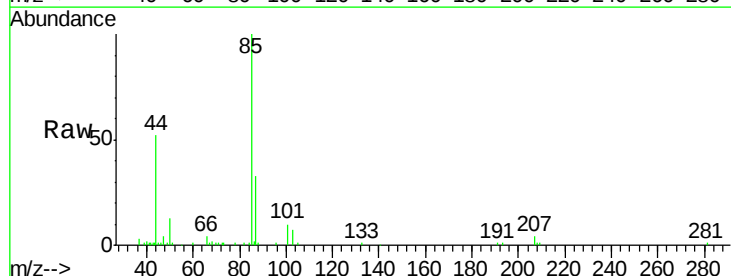
RT: 1.18 min Scan# 16

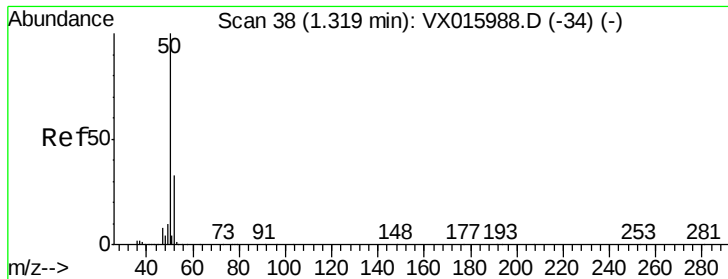
Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Tgt Ion:	85	Resp:	11837
Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.6	49.7





#3

Chloromethane

Concen: 4.518 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 50 Resp: 15370

Ion Ratio Lower Upper

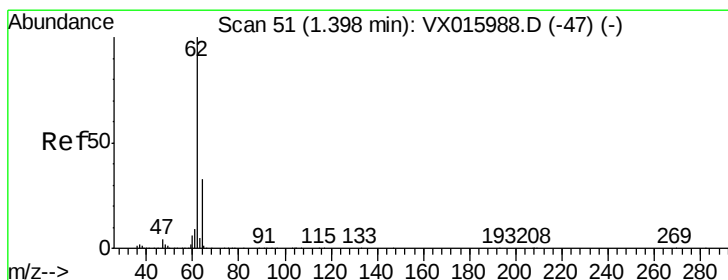
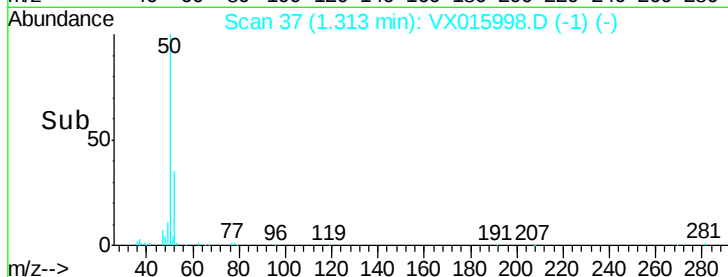
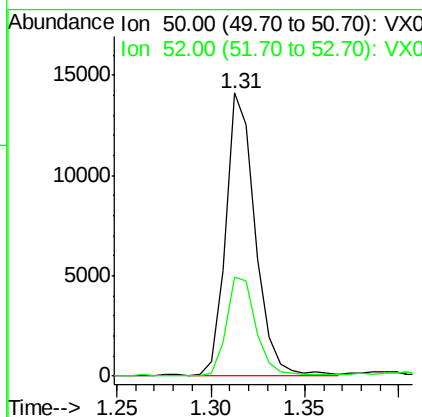
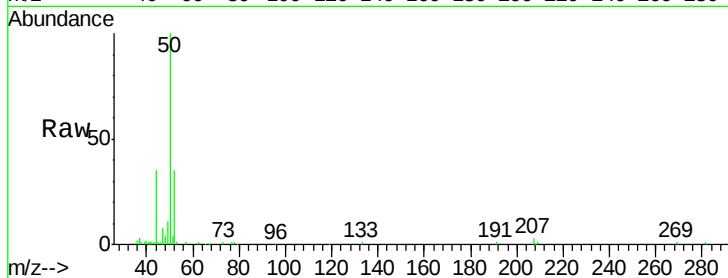
50 100

52 35.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 4.660 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX015998.D

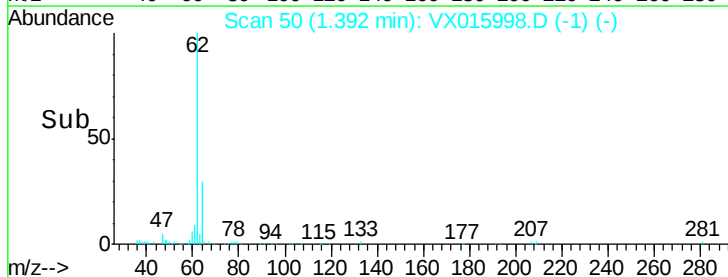
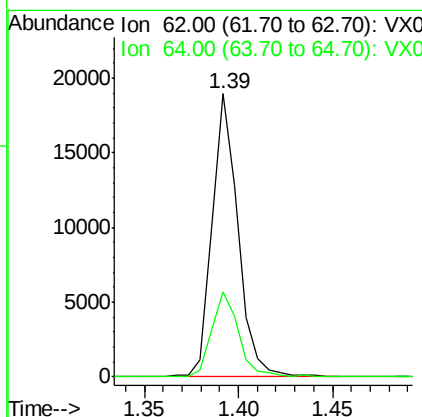
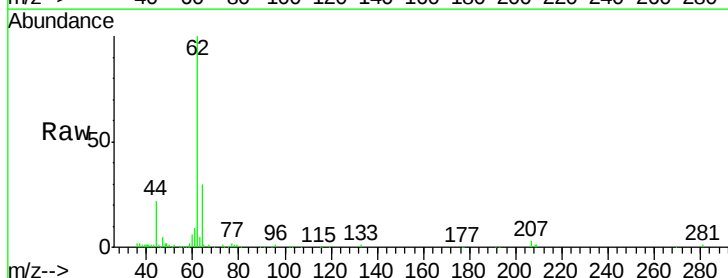
Acq: 30 Apr 2020 16:22

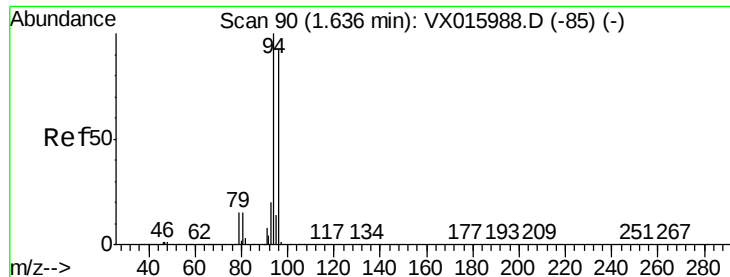
Tgt Ion: 62 Resp: 18012

Ion Ratio Lower Upper

62 100

64 30.1 26.3 39.5





#5

Bromomethane

Concen: 5.305 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 94 Resp: 12568

Ion Ratio Lower Upper

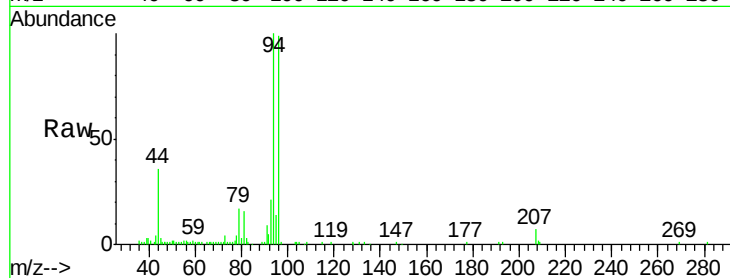
94 100

96 98.9 74.2 111.2

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

12000

10000

8000

6000

4000

2000

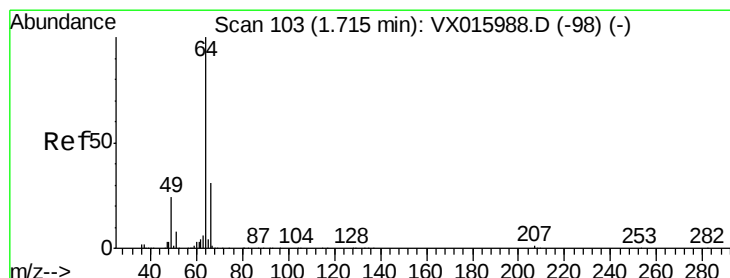
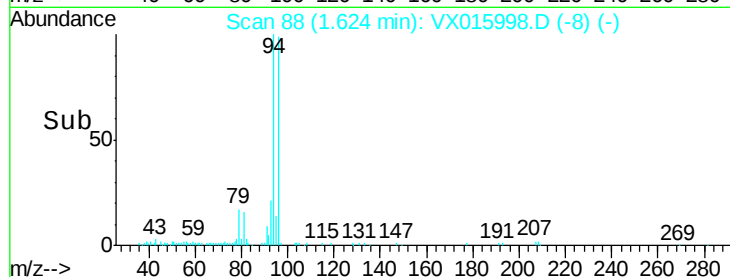
0

1.60

1.62

1.65

Time-->



#6

Chloroethane

Concen: 4.769 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX015998.D

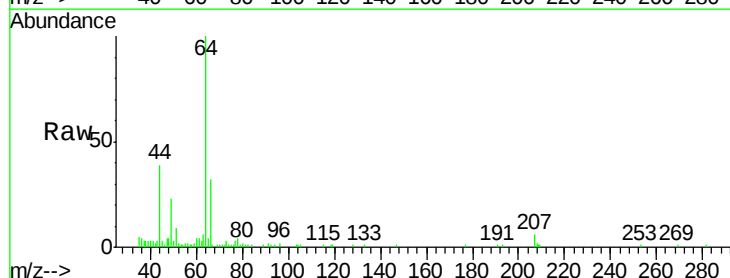
Acq: 30 Apr 2020 16:22

Tgt Ion: 64 Resp: 12085

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

10000

8000

6000

4000

2000

0

1.65

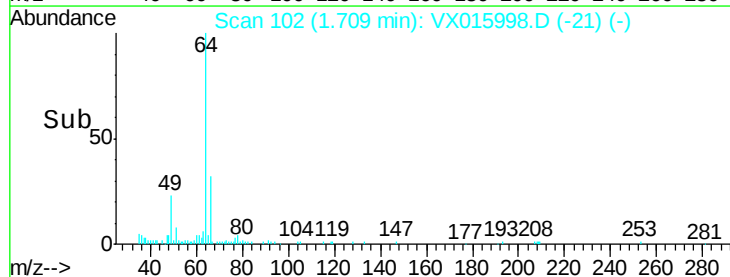
1.70

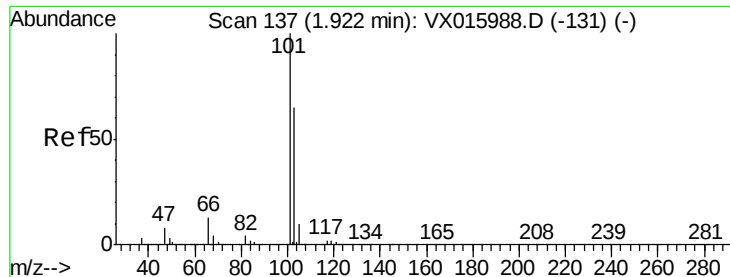
1.71

1.75

1.80

Time-->





#7

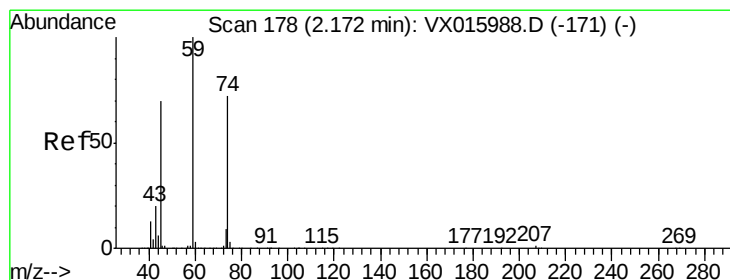
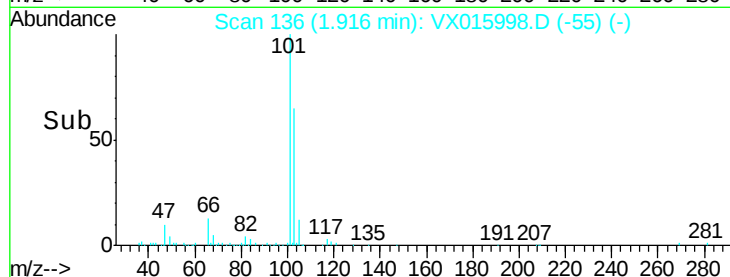
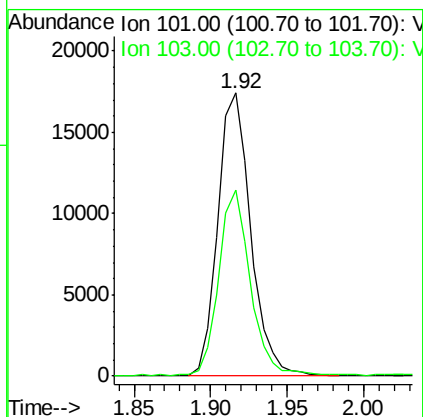
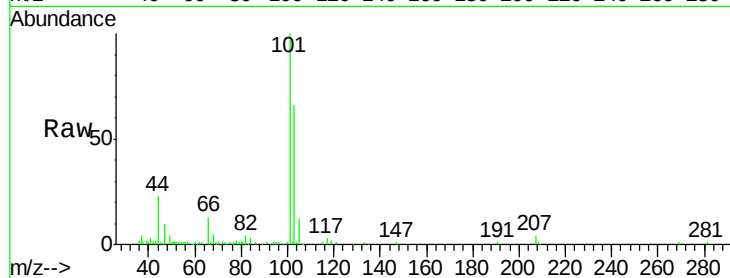
Trichlorofluoromethane
Concen: 4.702 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.8

Manual Integrations
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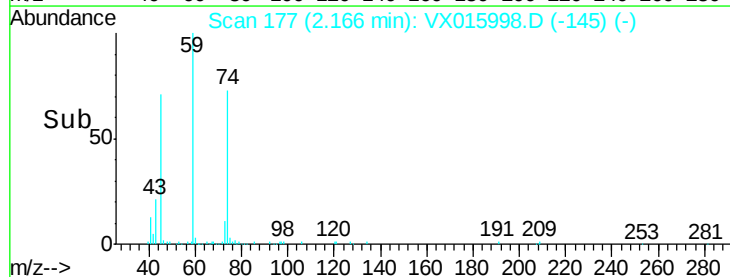
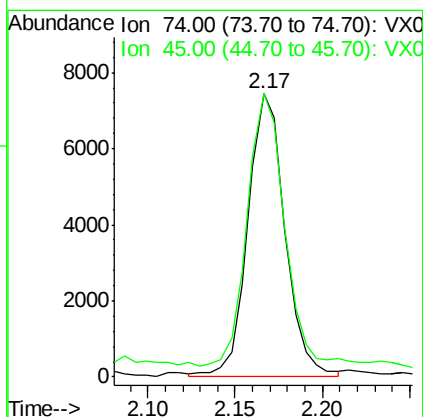
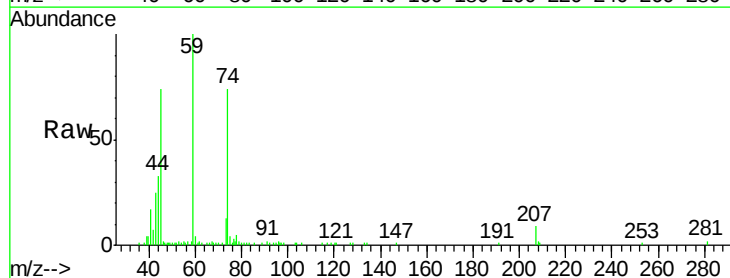
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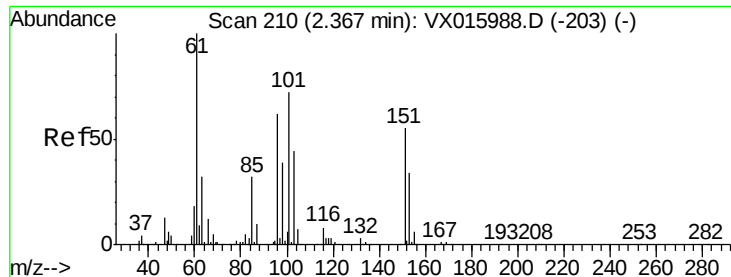


#8

Diethyl Ether
Concen: 4.993 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	19.4	174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.879 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

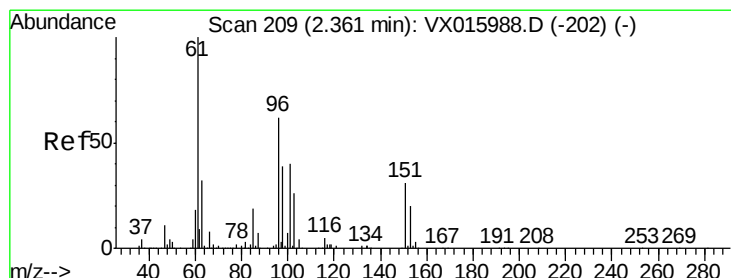
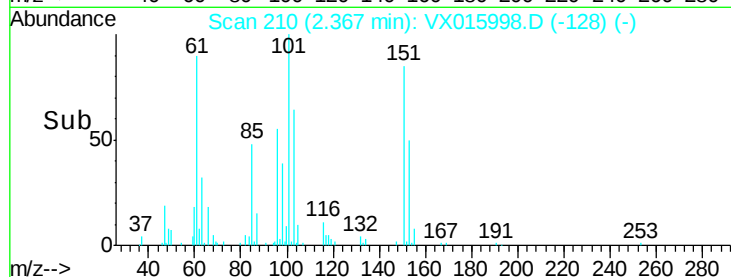
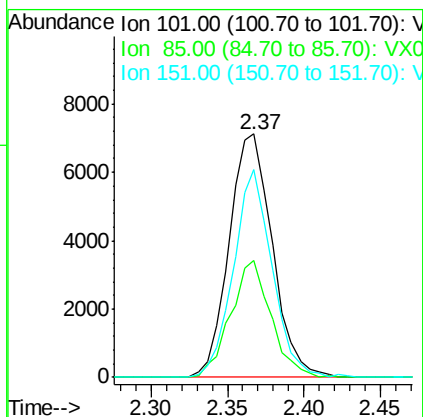
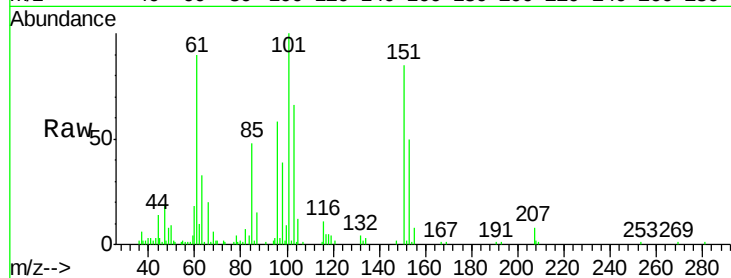
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	101	Resp:	13948
Ion Ratio	Lower	Upper	
101	100		
85	44.6	0.0	90.6
151	76.2	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 4.588 ug/l

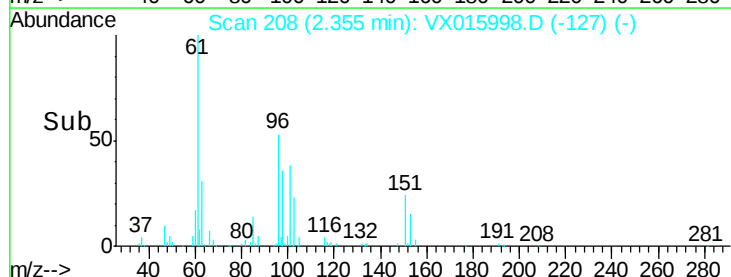
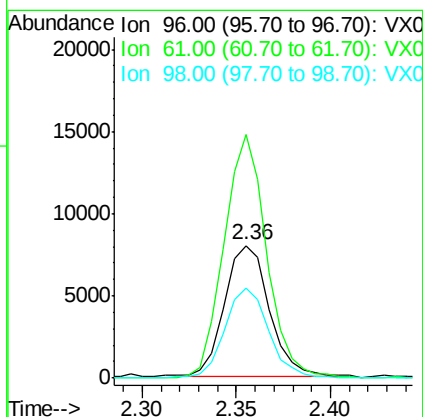
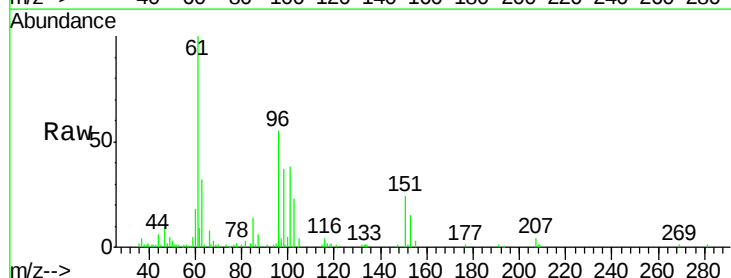
RT: 2.36 min Scan# 208

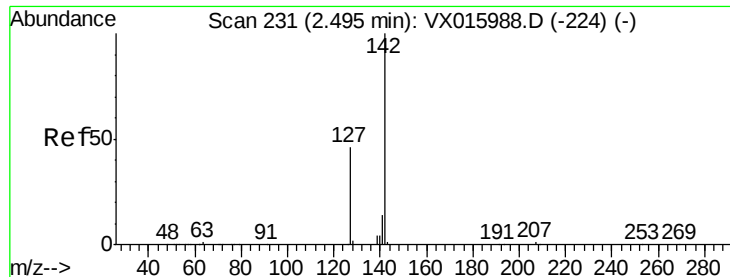
Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Tgt Ion:	96	Resp:	13233
Ion Ratio	Lower	Upper	
96	100		
61	185.3	129.8	194.8
98	68.8	51.1	76.7





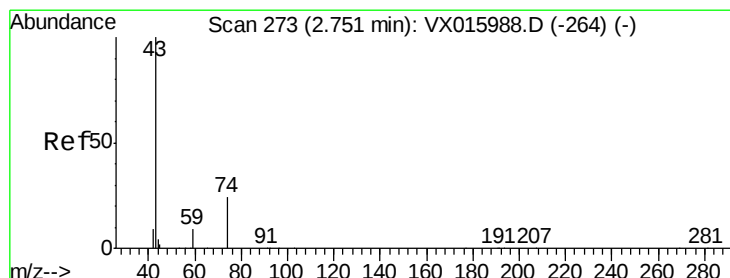
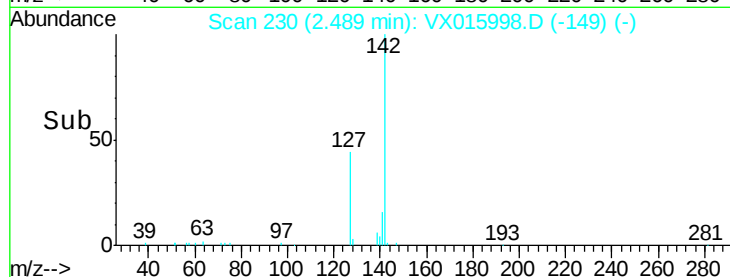
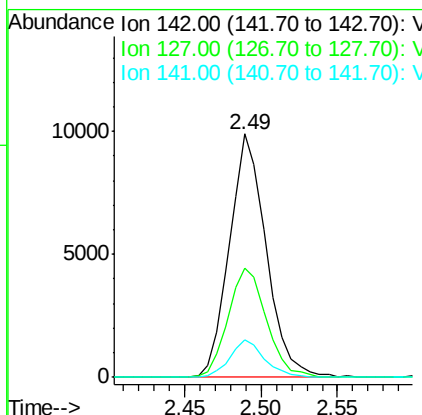
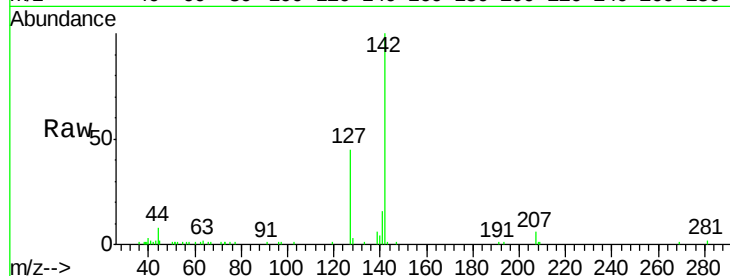
#11
Methyl Iodide
Concen: 4.180 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.0	22.8	68.4
141	15.6	7.0	21.1

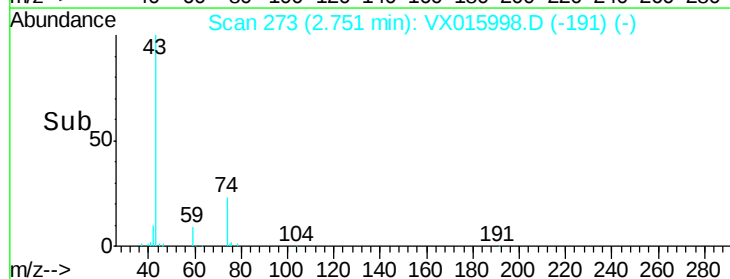
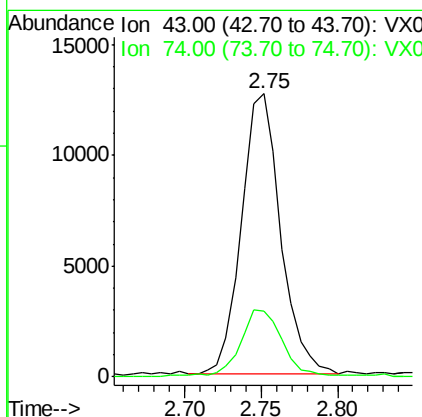
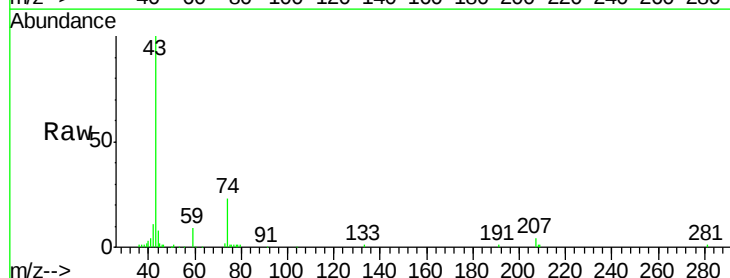
Manual Integrations
APPROVED

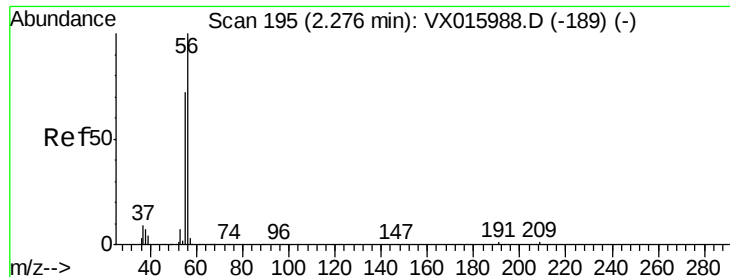
MMDadoda
5/4/2020 3:10:28 PM



#12
Methyl Acetate
Concen: 4.492 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	19.0	28.4





#13

Acrolein

Concen: 24.573 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 56 Resp: 9921

Ion Ratio Lower Upper

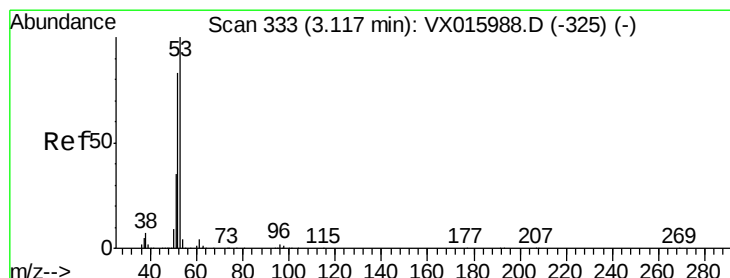
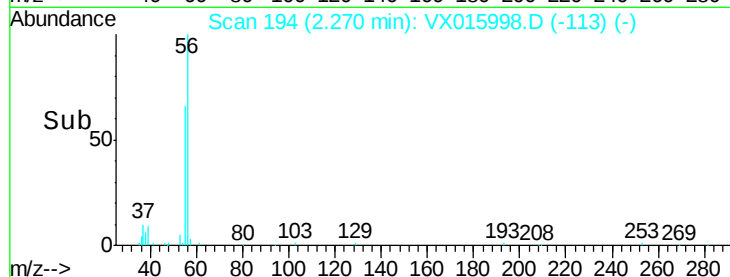
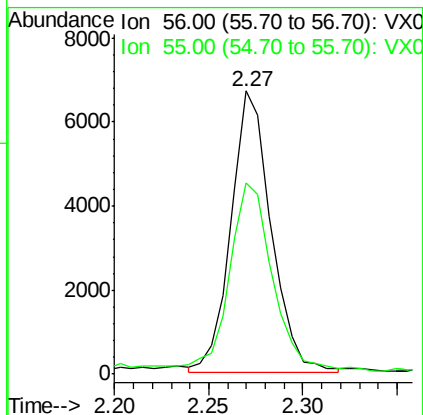
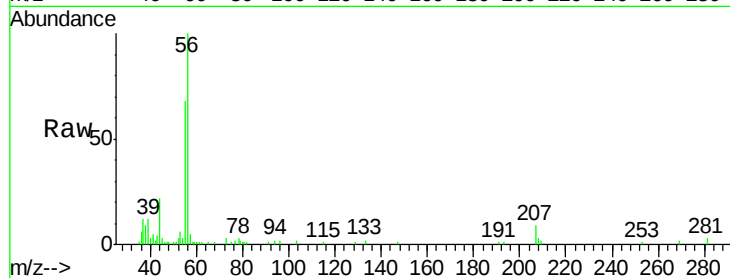
56 100

55 71.5 56.2 84.4

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#14

Acrylonitrile

Concen: 24.677 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

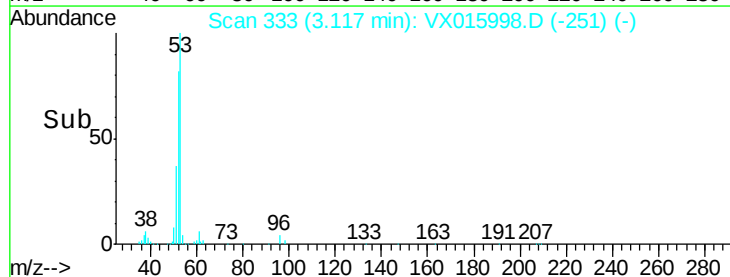
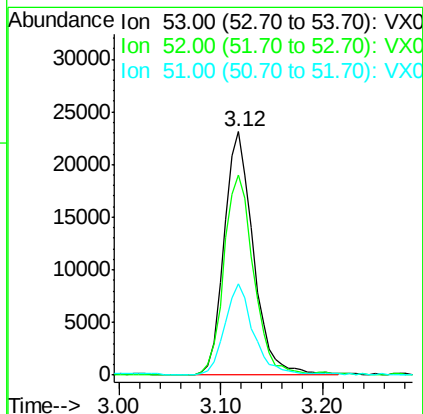
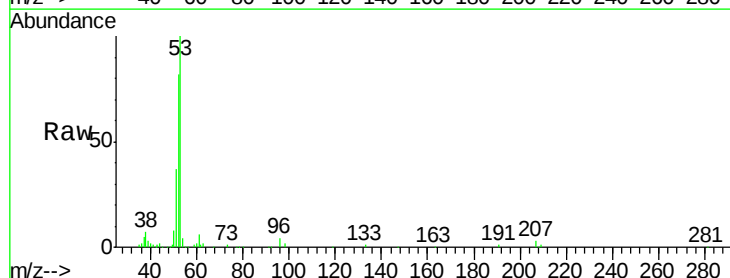
Tgt Ion: 53 Resp: 45906

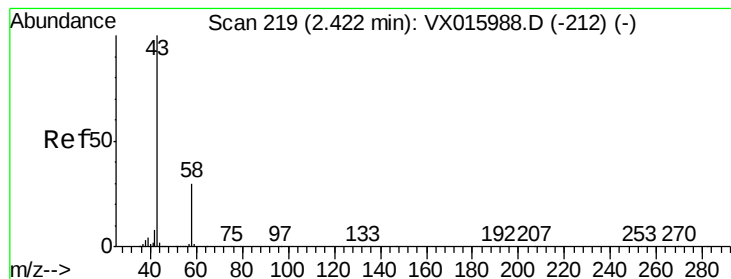
Ion Ratio Lower Upper

53 100

52 83.3 41.2 123.6

51 36.4 17.8 53.5





#15

Acetone

Concen: 26.127 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 58 Resp: 12863

Ion Ratio Lower Upper

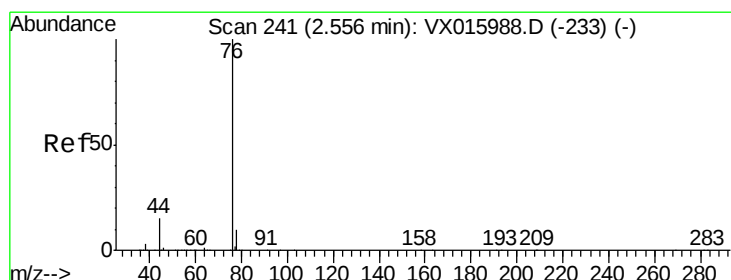
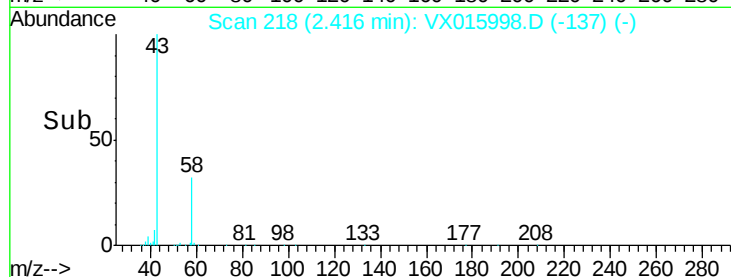
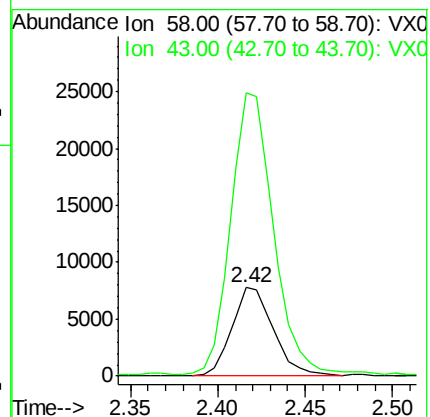
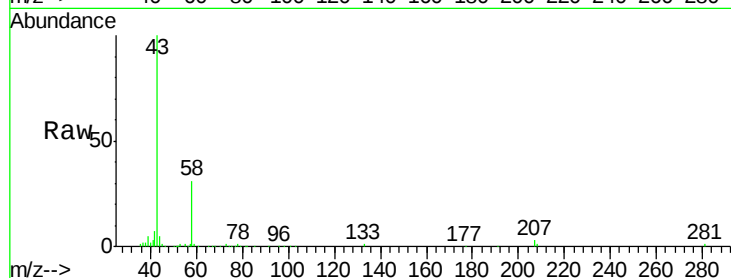
58 100

43 316.2 264.2 396.2

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#16

Carbon Disulfide

Concen: 4.923 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX015998.D

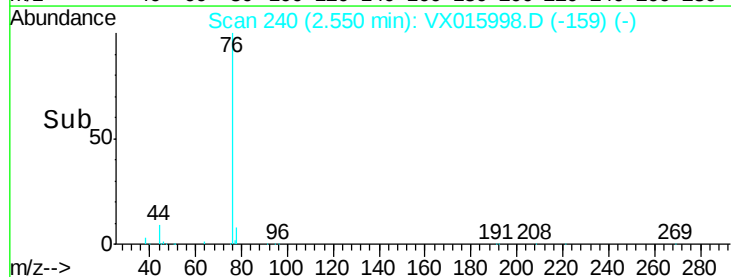
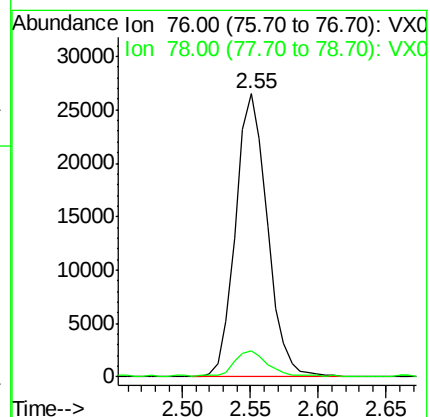
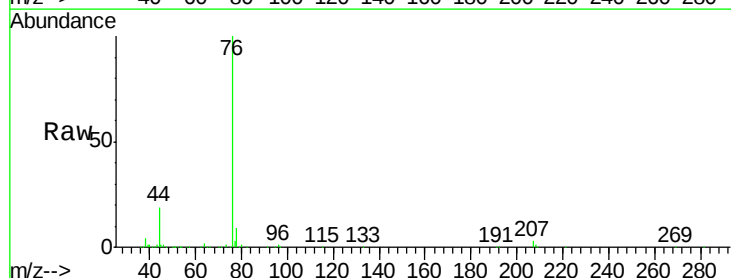
Acq: 30 Apr 2020 16:22

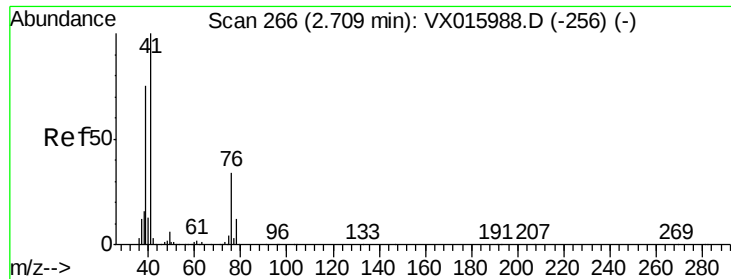
Tgt Ion: 76 Resp: 43197

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5





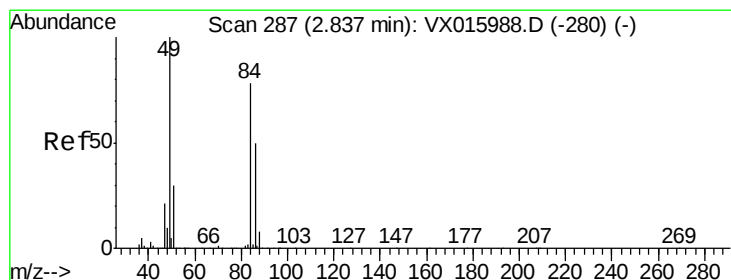
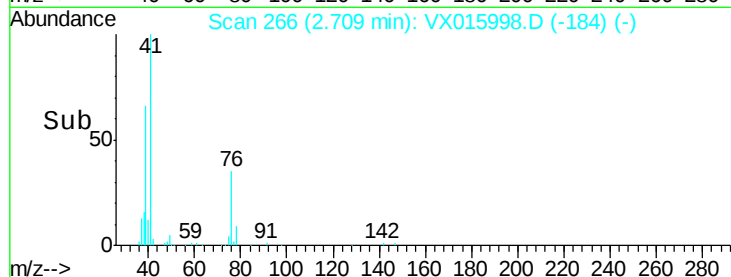
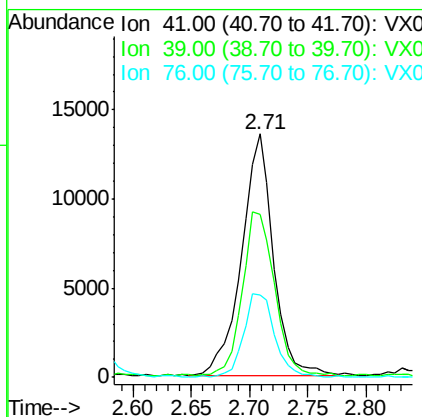
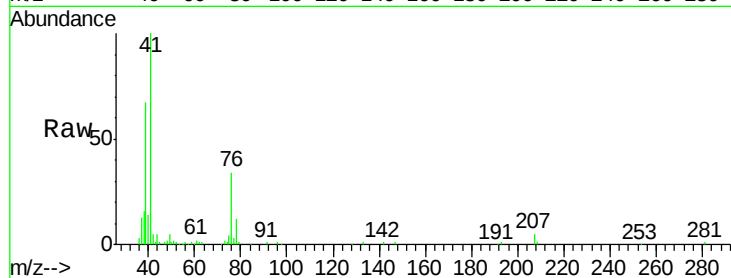
#17
Allvl chloride
Concen: 4.823 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.3	37.6	112.8
76	34.0	17.2	51.5

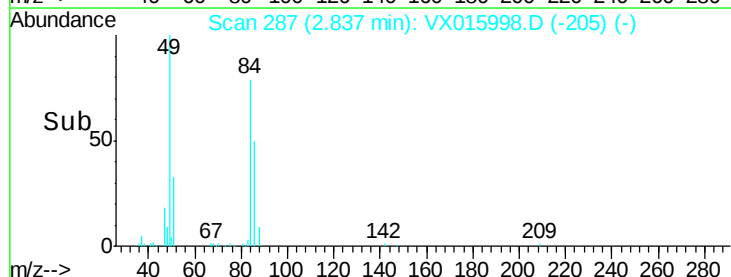
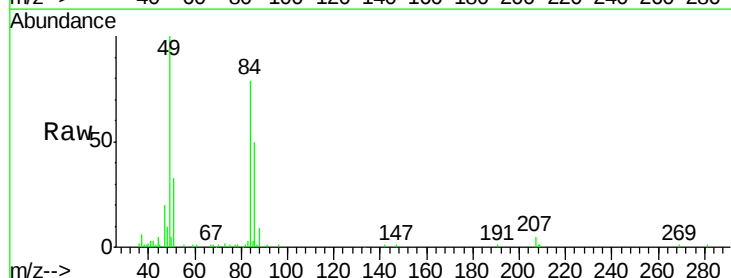
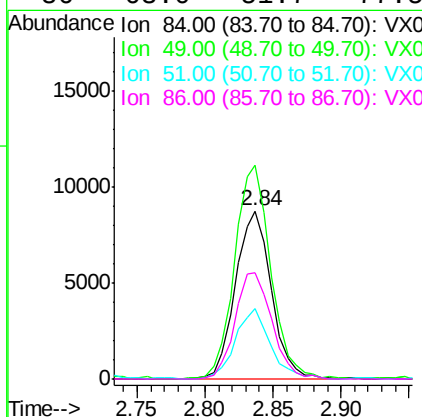
Manual Integrations
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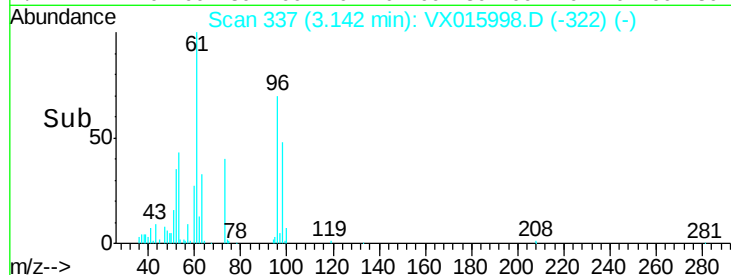
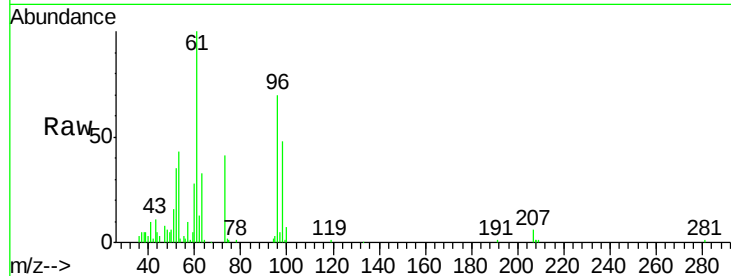
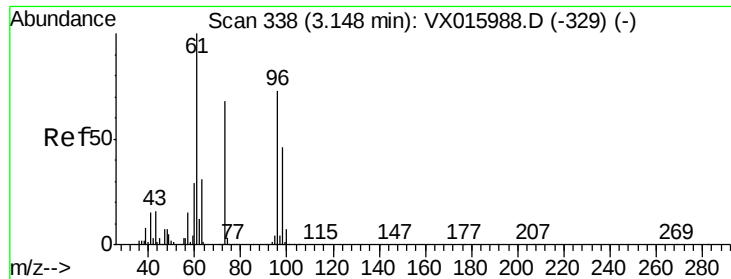
MMDadoda
5/4/2020 3:10:28 PM



#18
Methylene Chloride
Concen: 4.983 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	103.0	154.4
51	42.1	31.4	47.0
86	63.0	51.7	77.5





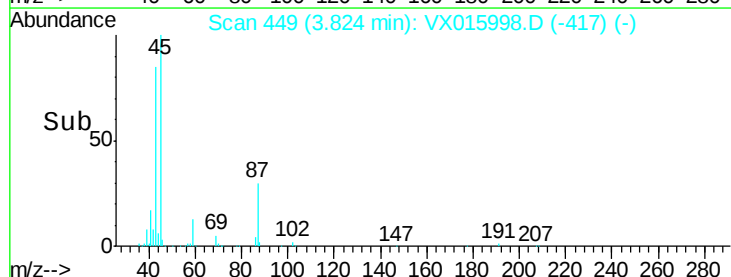
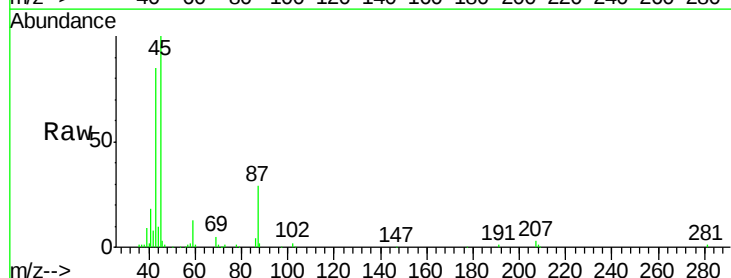
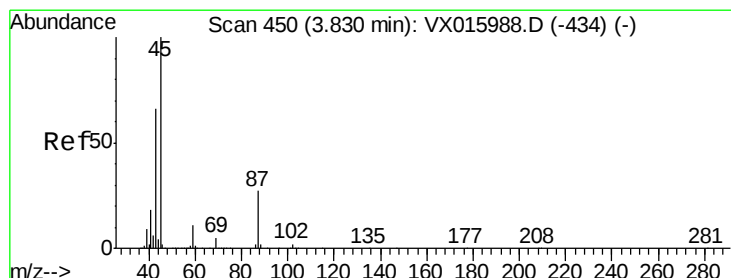
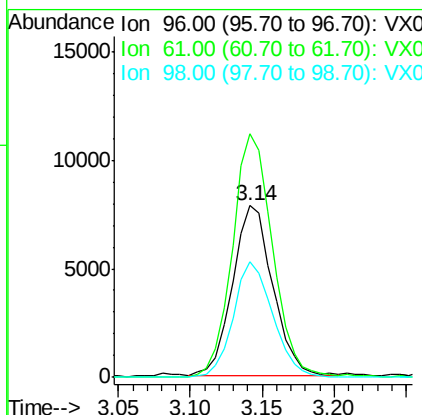
#19
trans-1,2-Dichloroethene
Concen: 4.837 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	109.0	163.4
98	68.2	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

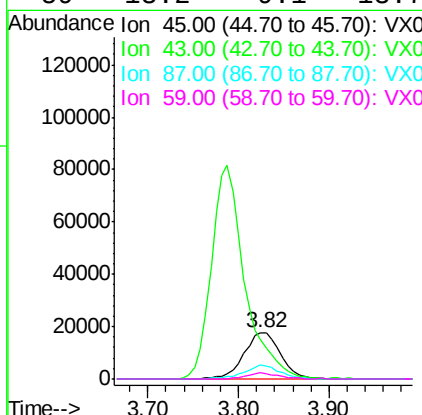
Manual Integrations
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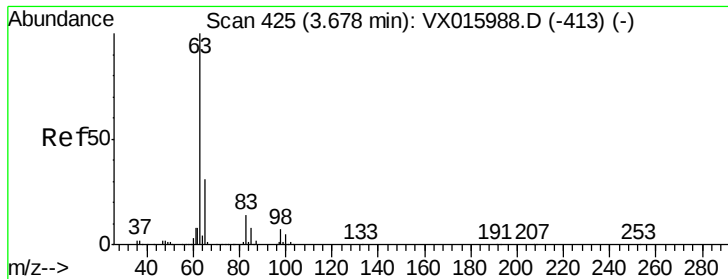
MMDadoda
5/4/2020 3:10:28 PM



#20
Diisopropyl ether
Concen: 4.761 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	84.4	53.0	79.4#
87	29.5	21.9	32.9
59	13.2	9.1	13.7





#21

1,1-Dichloroethane

Concen: 4.866 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

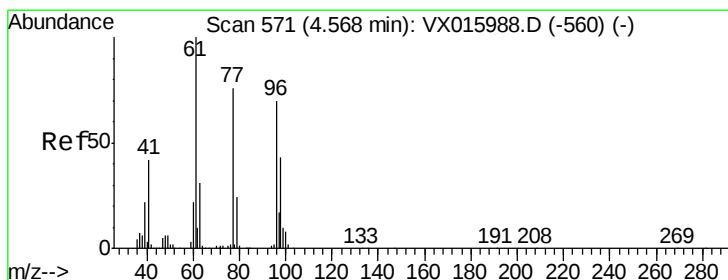
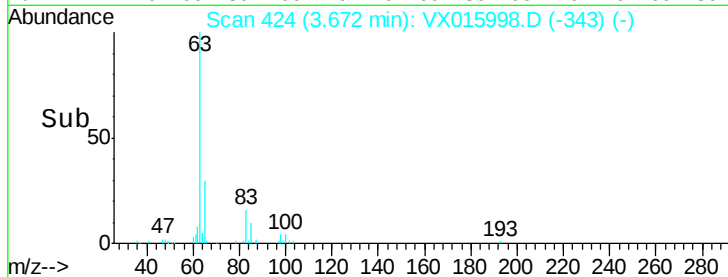
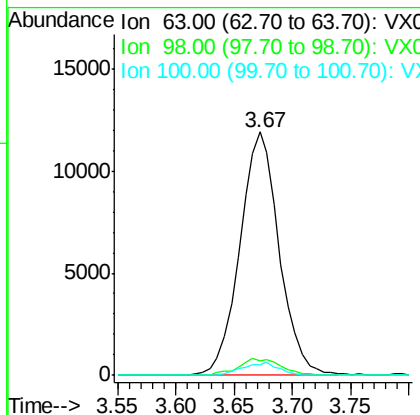
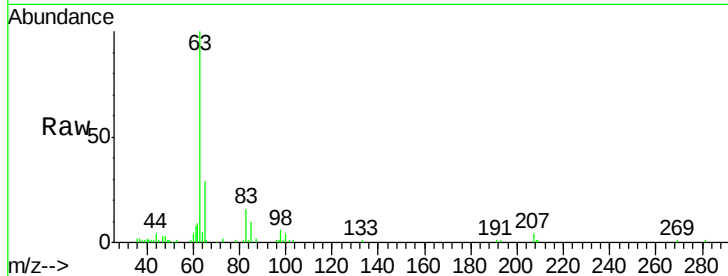
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	63	Resp:	27995
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.5	10.4
100	4.2	2.3	6.9

Manual Integrations
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5/4/2020 3:10:28 PM



#22

cis-1,2-Dichloroethene

Concen: 4.928 ug/l

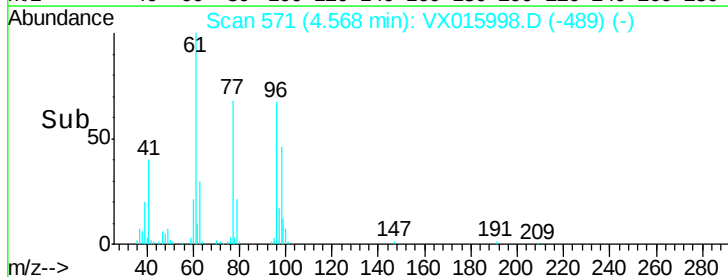
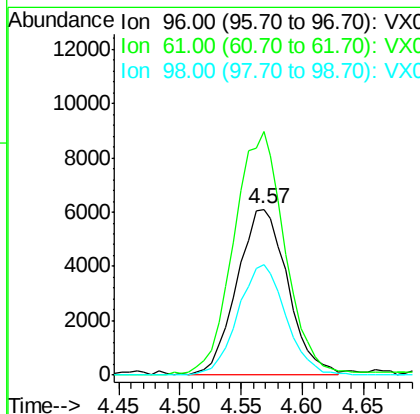
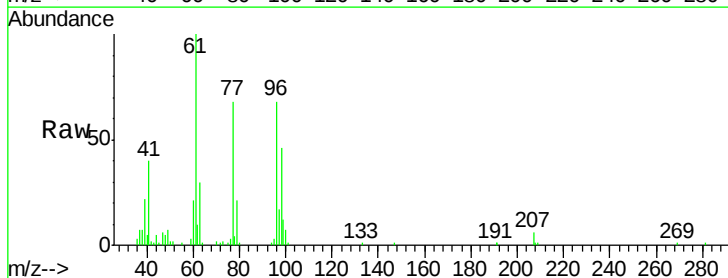
RT: 4.57 min Scan# 571

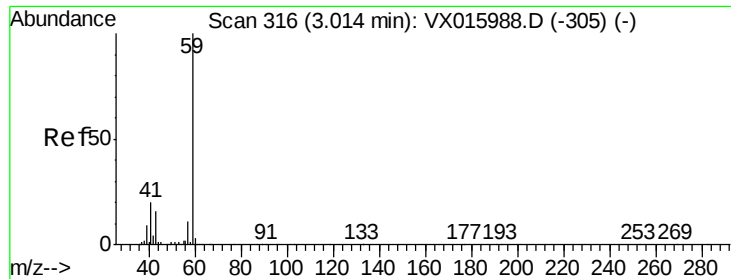
Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Tgt Ion:	96	Resp:	17645
Ion Ratio	Lower	Upper	
96	100		
61	144.7	121.6	182.4
98	62.6	51.9	77.9





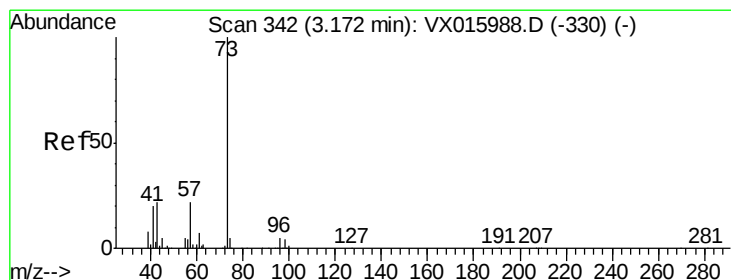
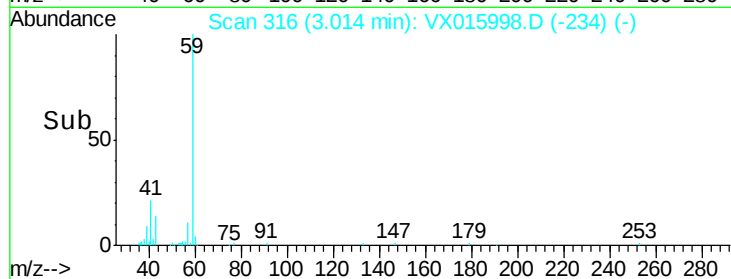
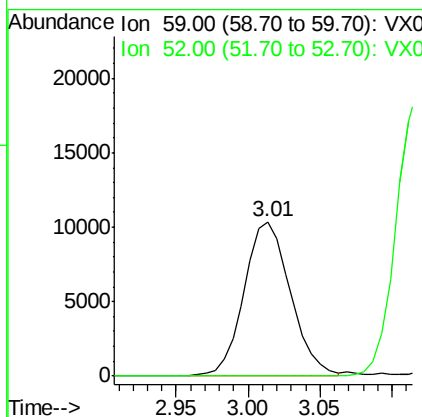
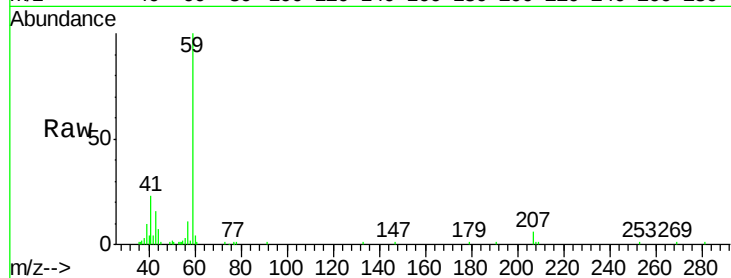
#23
 tert-Butyl Alcohol
 Concen: 25.483 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion: 59 Resp: 23206
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.1 0.1#

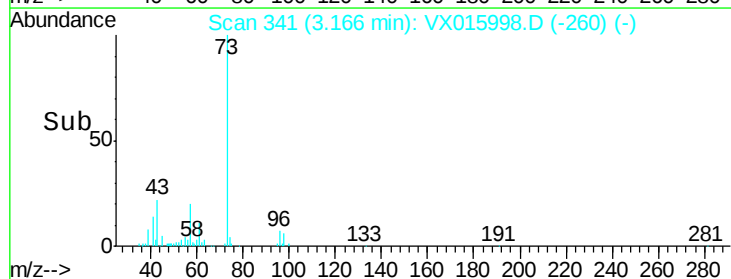
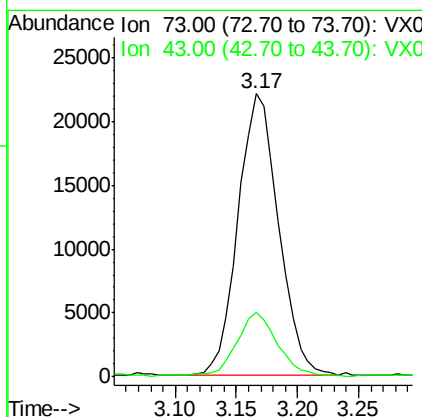
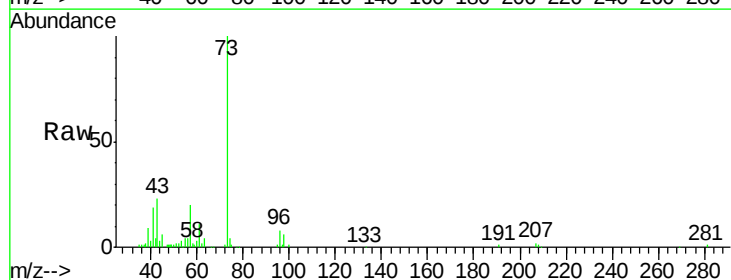
Manual Integrations
 APPROVED

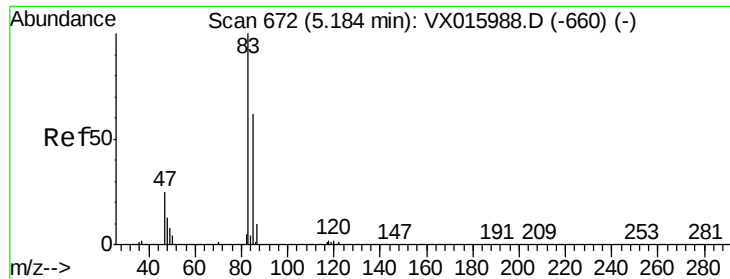
MMDadoda
 5/4/2020 3:10:28 PM



#24
 Methyl tert-Butyl Ether
 Concen: 4.871 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Tgt Ion: 73 Resp: 50455
 Ion Ratio Lower Upper
 73 100
 43 21.9 17.8 26.6





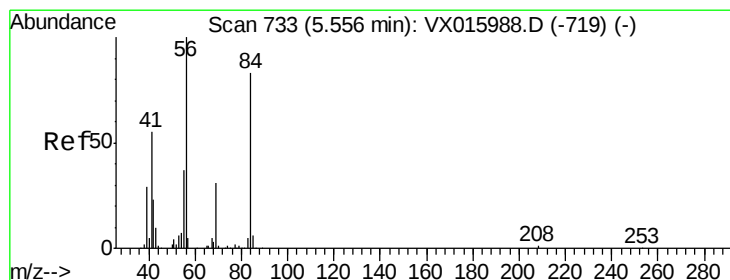
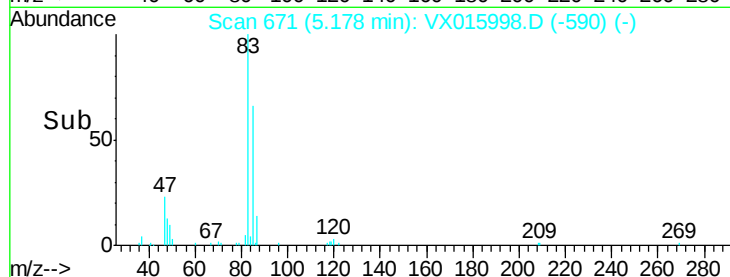
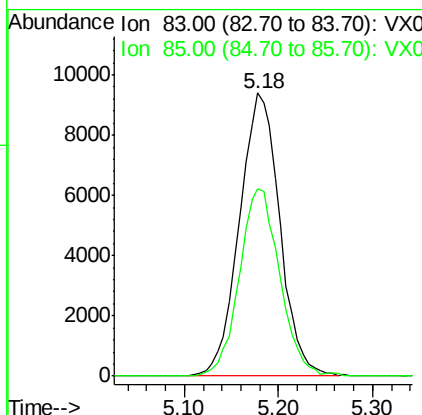
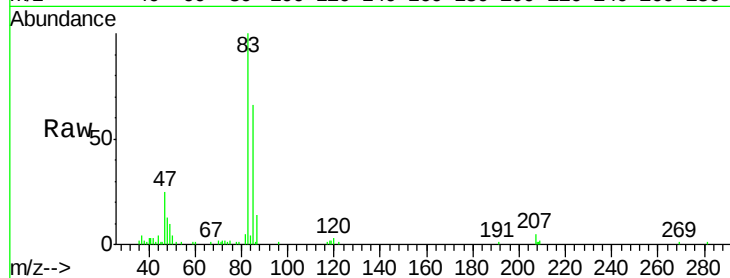
#25
Chloroform
Concen: 4.797 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	83	Resp	28029
Ion Ratio	100	Lower	Upper
83	100		
85	66.4	49.6	74.4

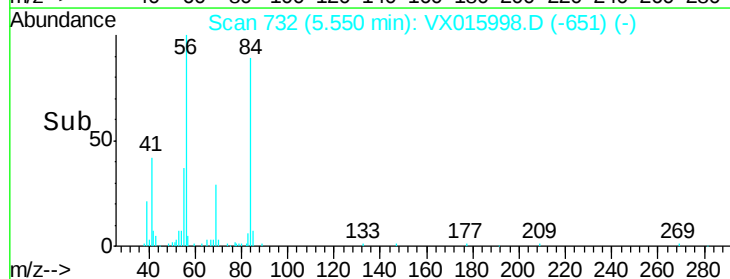
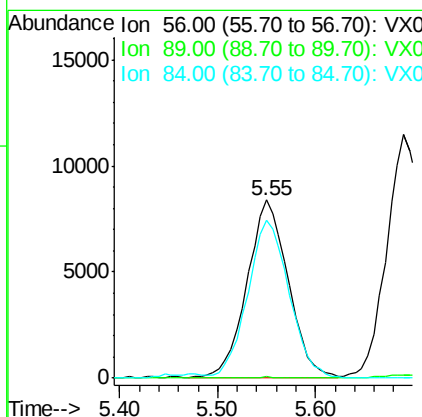
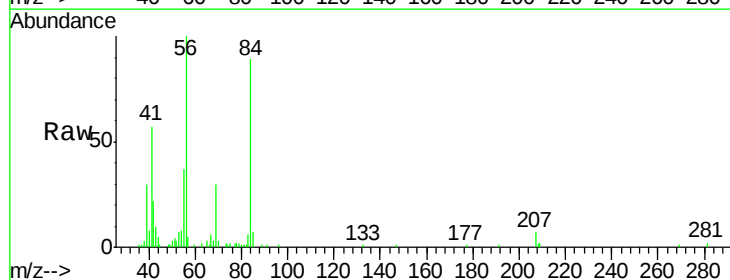
Manual Integrations
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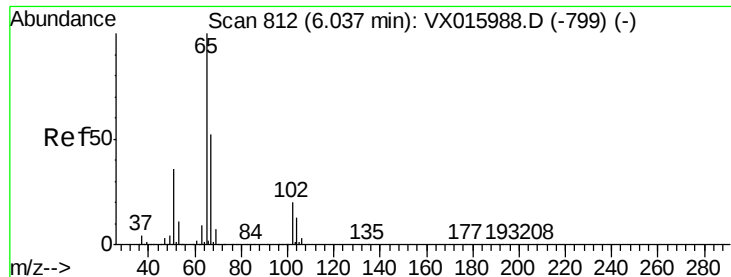
MMDadoda
5/4/2020 3:10:28 PM



#26
Cyclohexane
Concen: 4.700 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	56	Resp	24727
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	88.7	70.1	105.1





#27

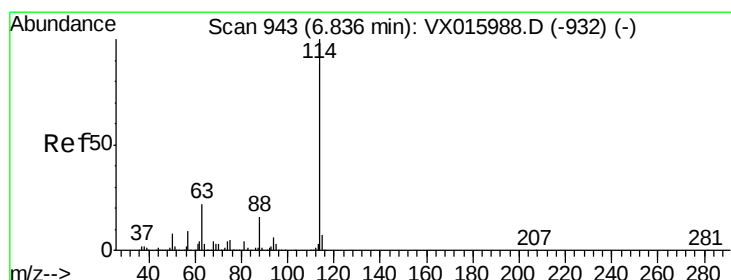
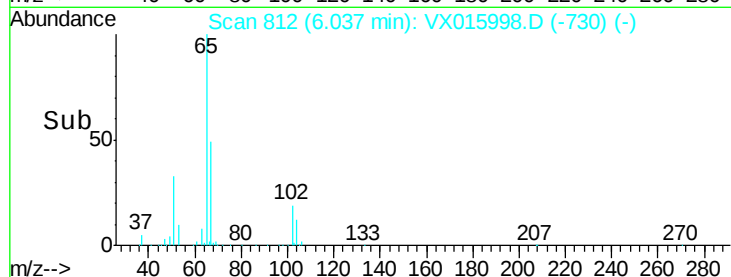
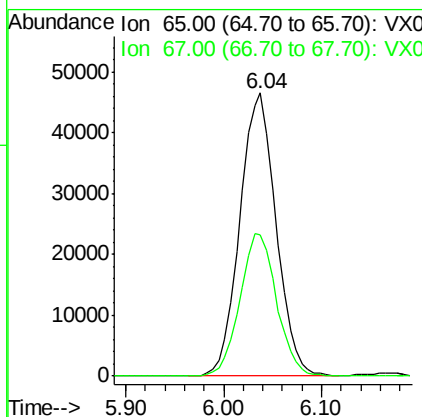
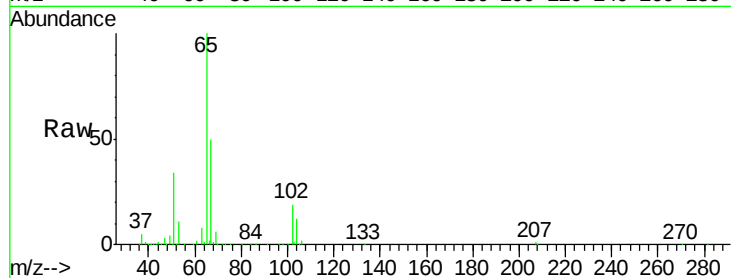
1,2-Dichloroethane-d4
Concen: 30.888 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.1	41.0	61.4

Manual Integrations
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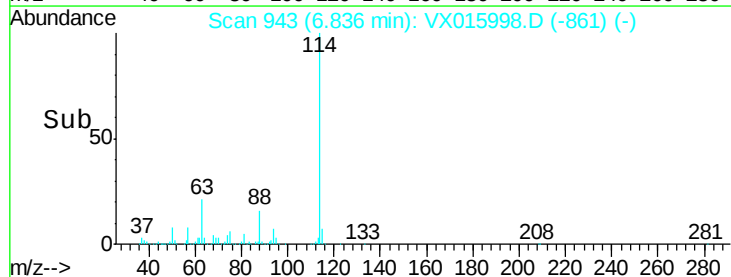
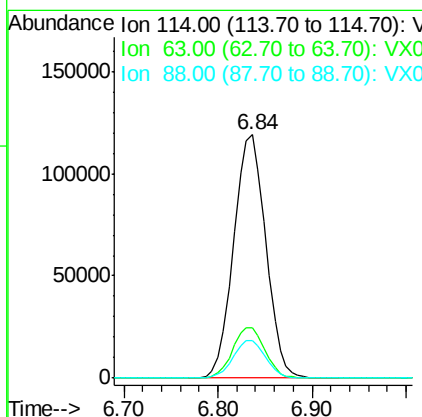
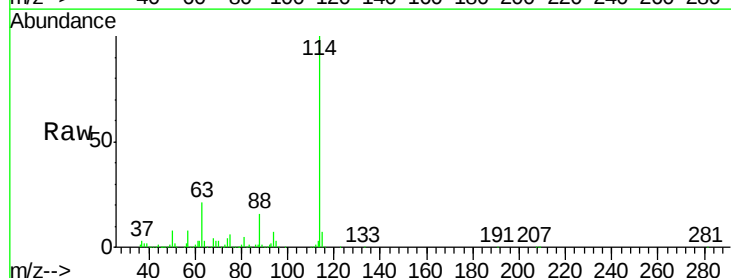
MMDadoda
5/4/2020 3:10:28 PM

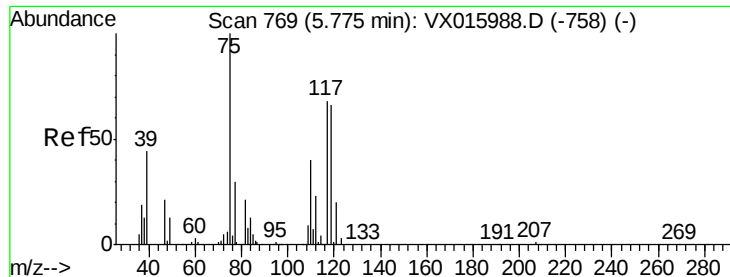


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	17.1	25.7
88	15.8	13.0	19.4





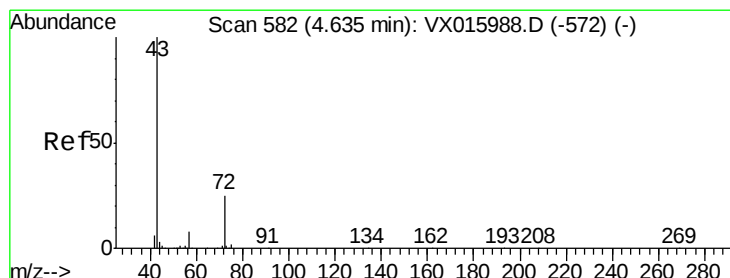
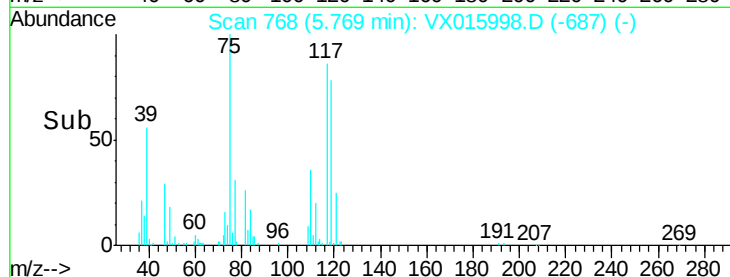
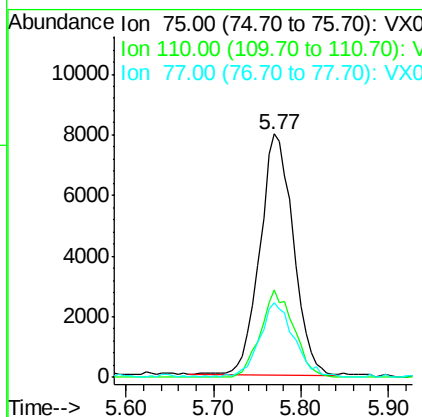
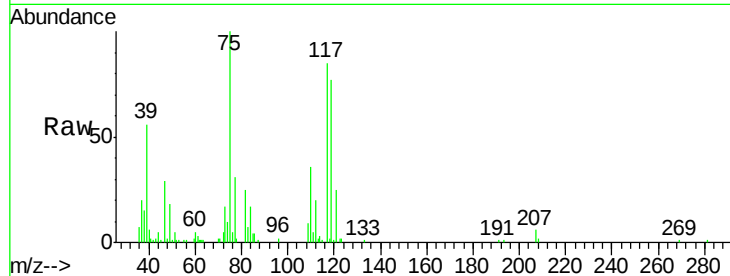
#29
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:	75	Resp:	21289
Ion	Ratio	Lower	Upper
75	100		
110	35.6	0.0	71.0
77	31.6	0.0	64.2

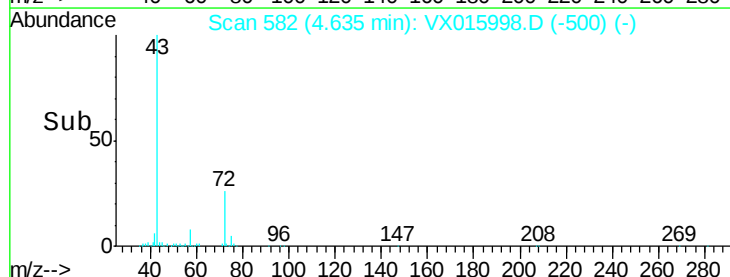
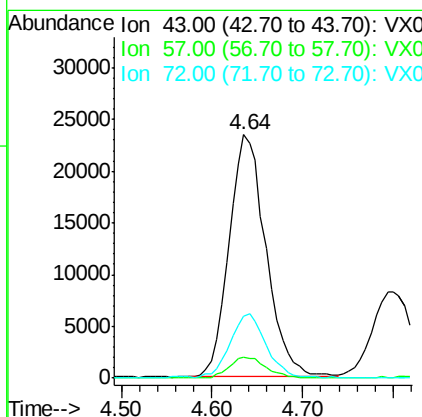
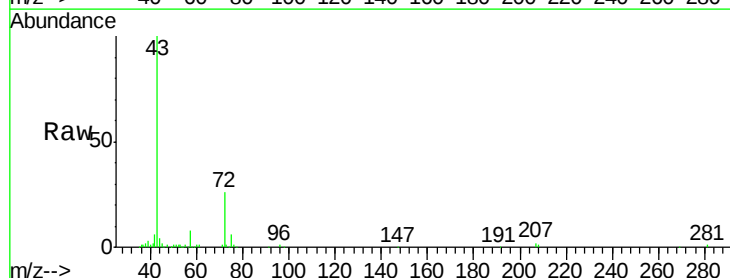
Manual Integrations
 APPROVED

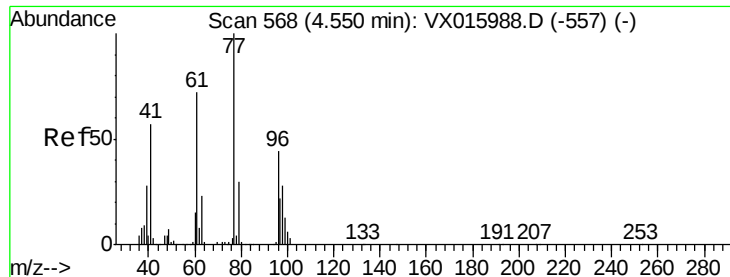
MMDadoda
 5/4/2020 3:10:28 PM



#30
 2-Butanone
 Concen: 24.991 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Tgt Ion:	43	Resp:	66087
Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.3	9.5
72	26.0	20.8	31.2





#31

2,2-Dichloropropane

Concen: 4.744 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 77 Resp: 25339

Ion Ratio Lower Upper

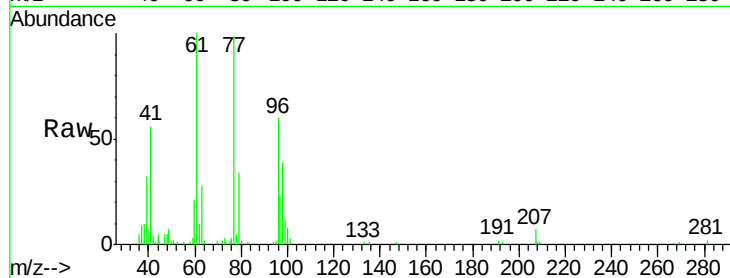
77 100

97 22.5 17.8 26.8

Manual Integrations
APPROVED

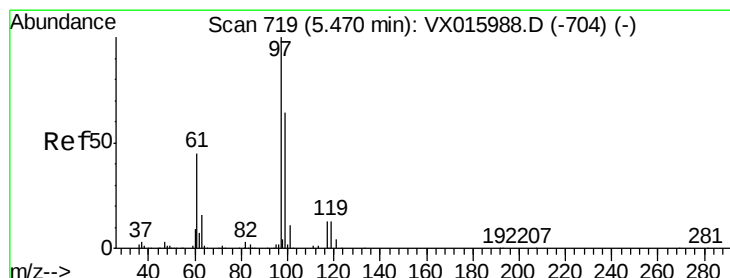
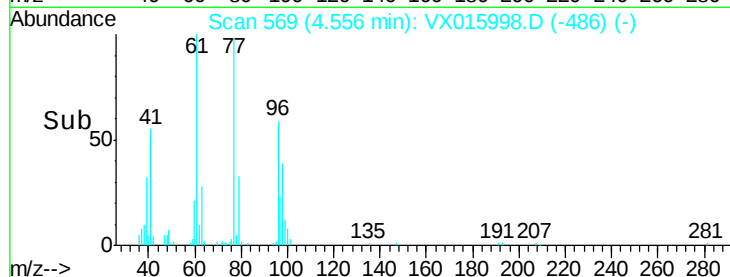
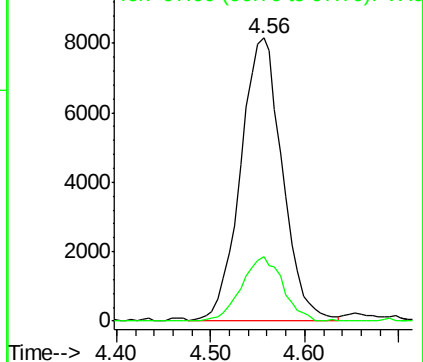
MMDadoda

5/4/2020 3:10:28 PM



Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 4.737 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

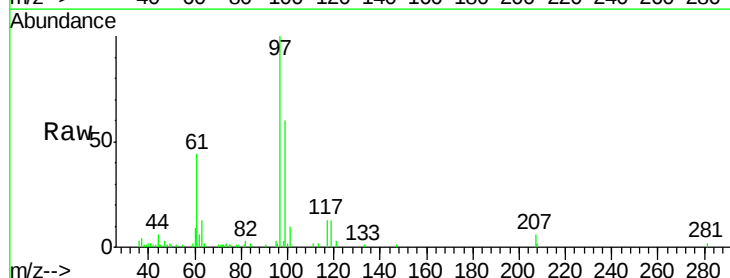
Tgt Ion: 97 Resp: 25503

Ion Ratio Lower Upper

97 100

99 64.7 50.7 76.1

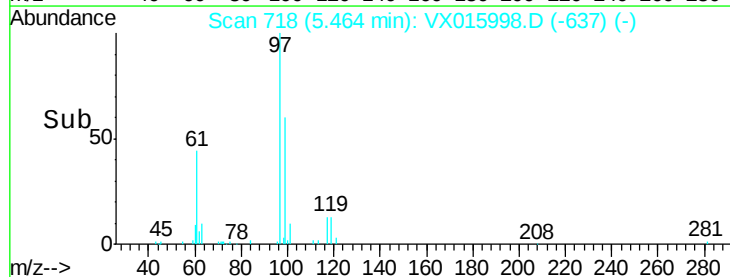
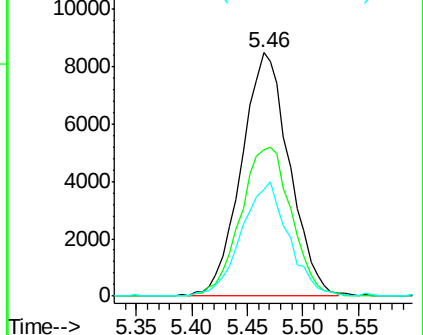
61 45.8 35.9 53.9

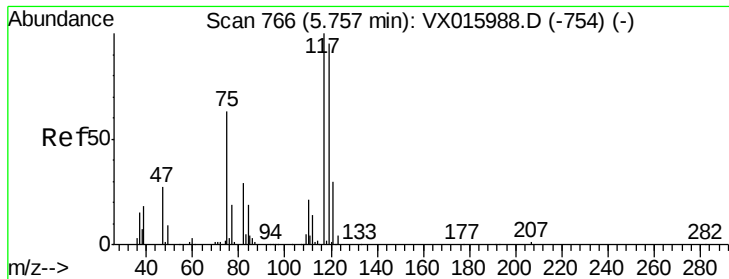


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





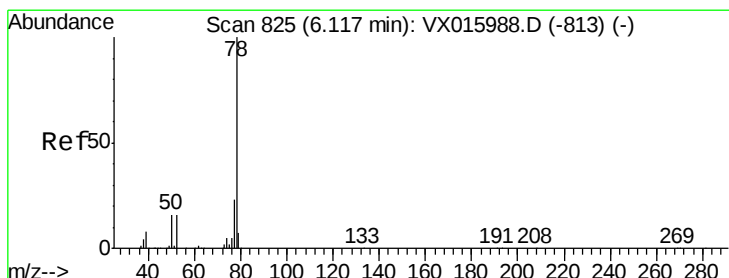
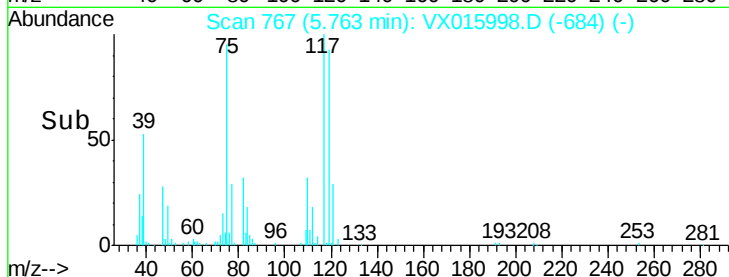
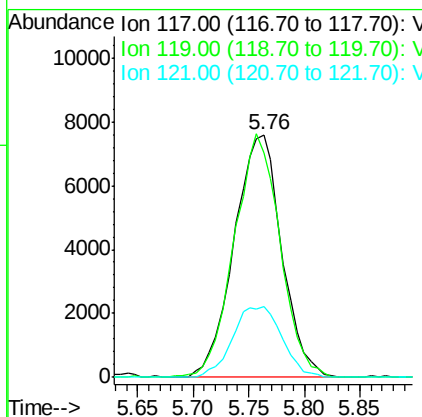
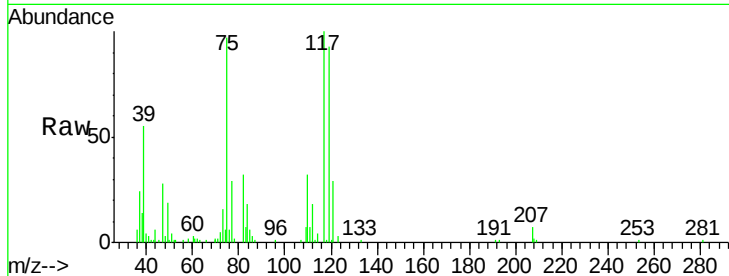
#33
Carbon Tetrachloride
Concen: 4.704 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.3	114.5
121	29.1	24.2	36.4

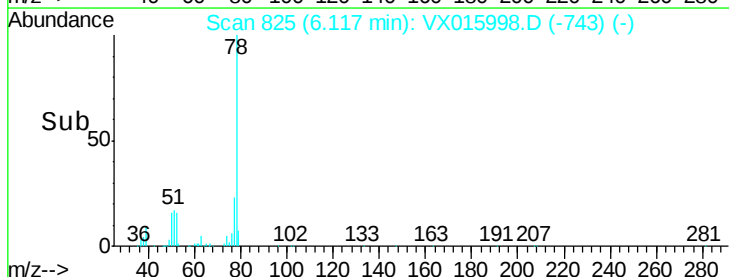
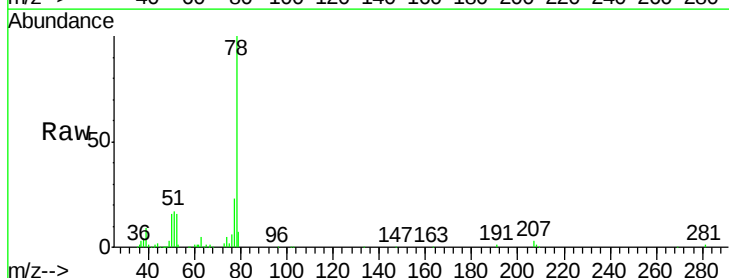
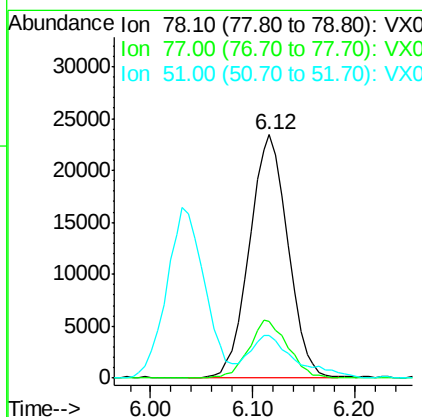
Manual Integrations
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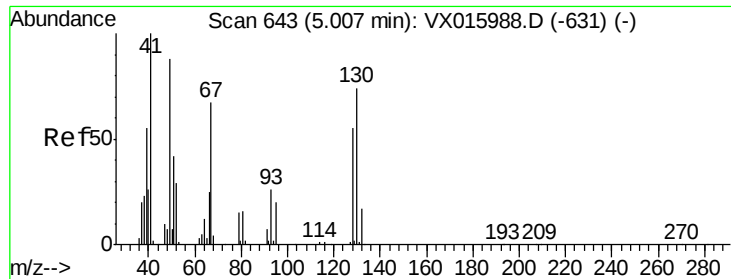
MMDadoda
5/4/2020 3:10:28 PM



#34
Benzene
Concen: 4.750 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1
51	15.3	12.7	19.1





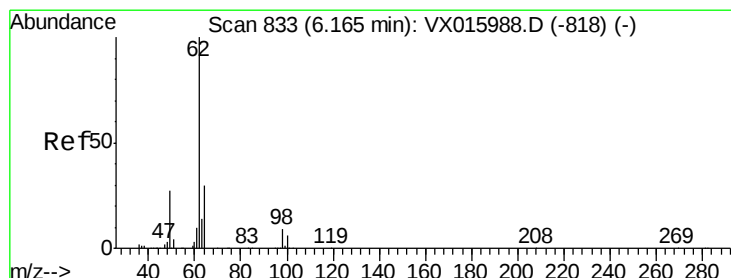
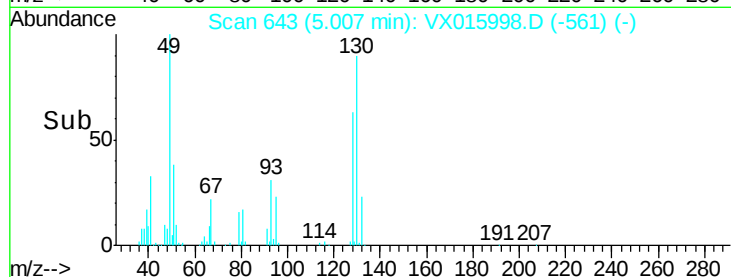
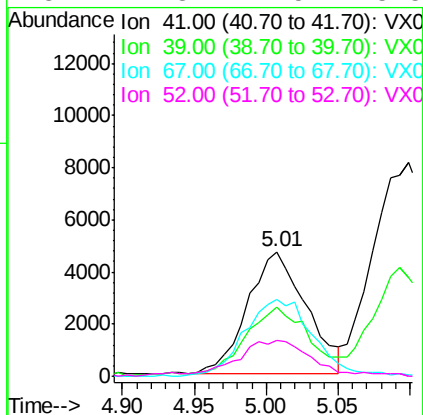
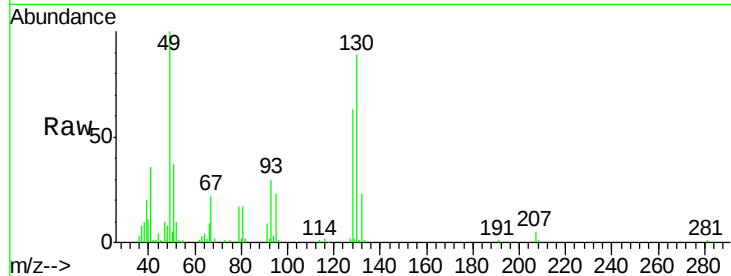
#35
Methacrylonitrile
Concen: 4.682 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	27.5	82.4	
67	61.5	33.6	100.6	
52	27.8	14.5	43.5	

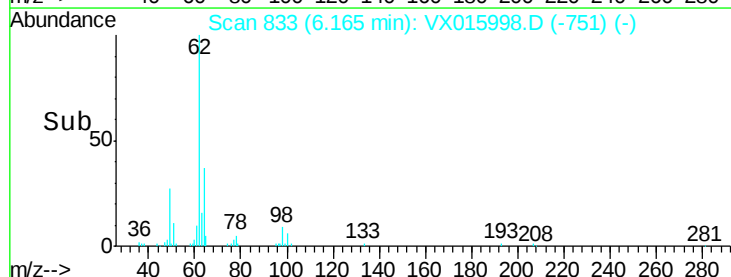
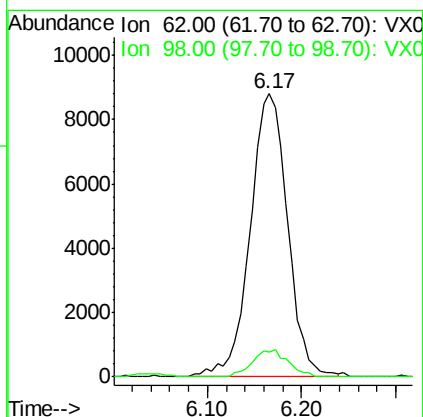
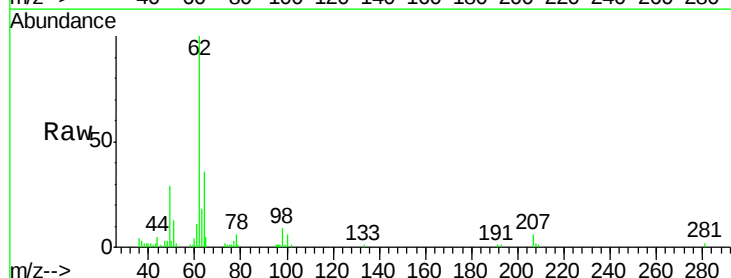
Manual Integrations
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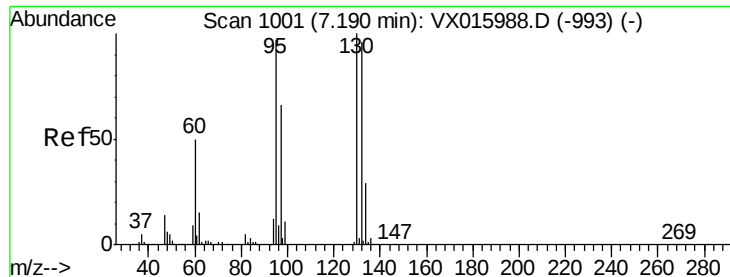
MMDadoda
5/4/2020 3:10:28 PM



#36
1,2-Dichloroethane
Concen: 4.949 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.4	11.2	





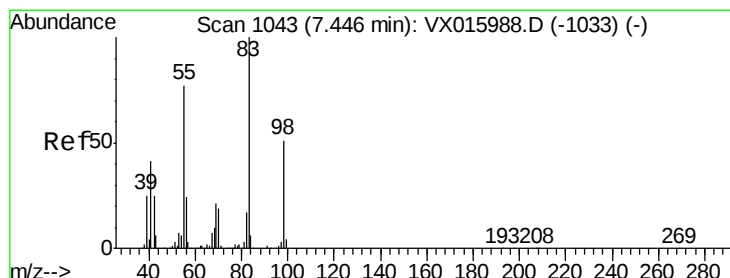
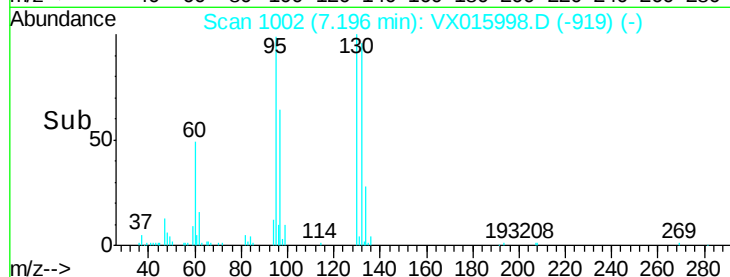
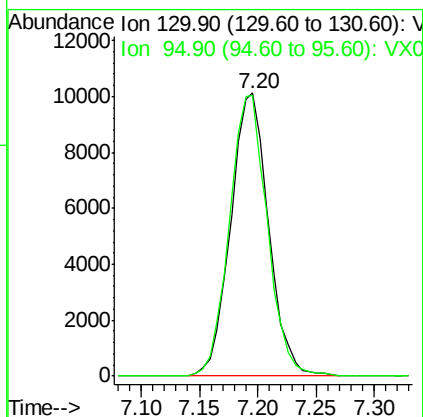
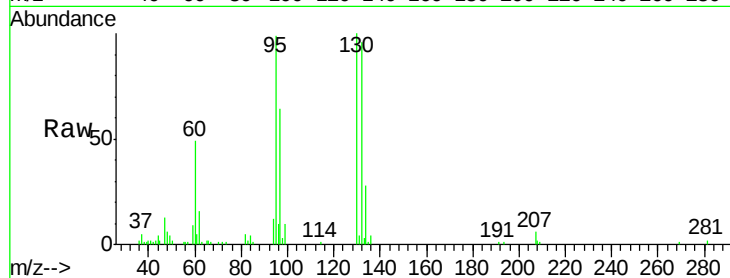
#37
 Trichloroethene
 Concen: 4.960 ug/l
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:130 Resp: 22871
 Ion Ratio Lower Upper
 130 100
 95 99.2 77.8 116.8

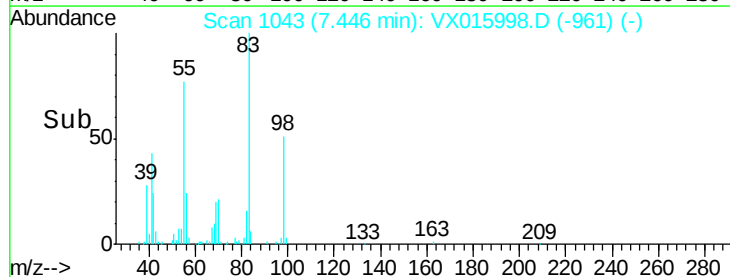
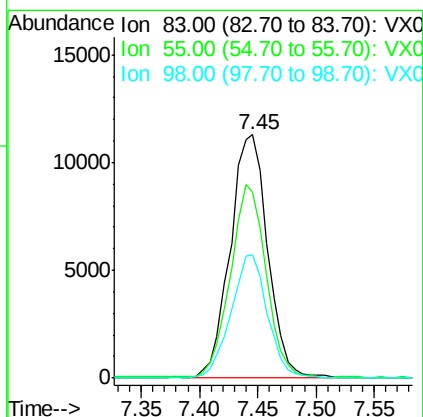
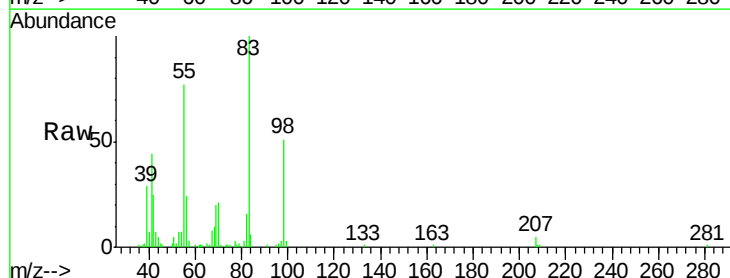
Manual Integrations
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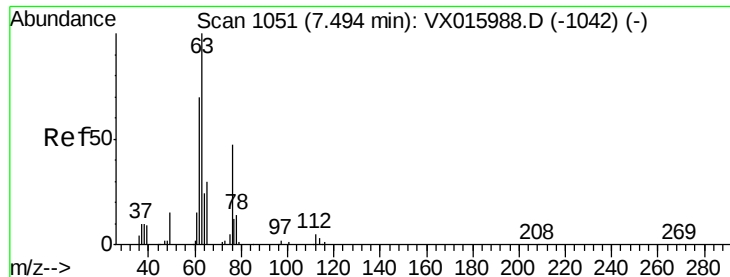
MMDadoda
 5/4/2020 3:10:28 PM



#38
 Methylcyclohexane
 Concen: 4.681 ug/l
 RT: 7.45 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Tgt Ion: 83 Resp: 25386
 Ion Ratio Lower Upper
 83 100
 55 75.9 38.8 116.4
 98 49.0 25.1 75.3





#39

1,2-Dichloropropane

Concen: 4.595 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 63 Resp: 15289

Ion Ratio Lower Upper

63 100

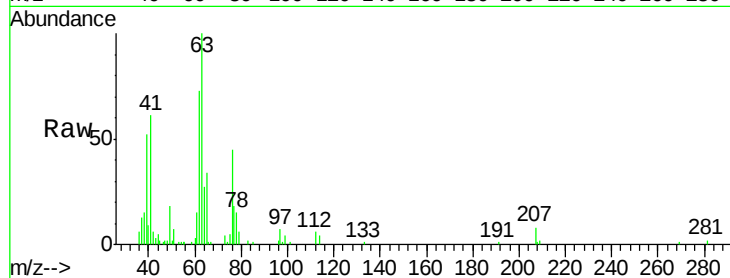
65 34.5 25.9 38.9

Manual Integrations

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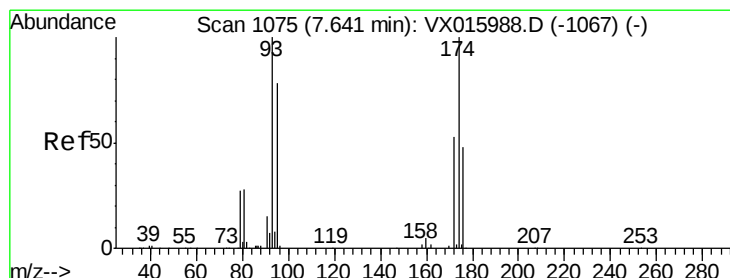
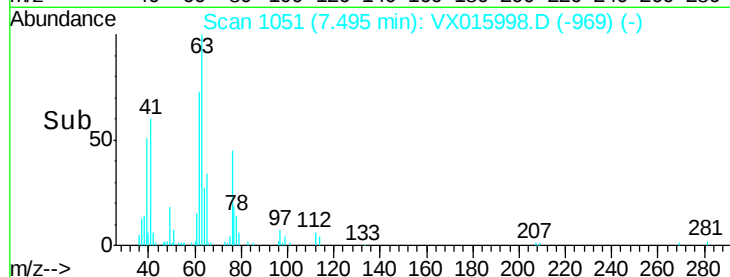
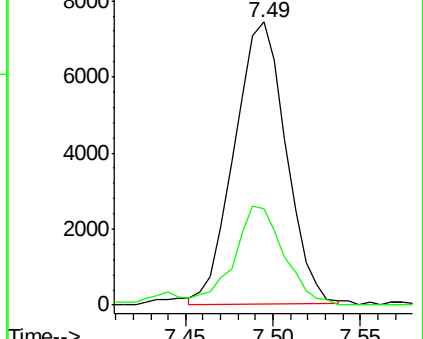
MMDadoda

5/4/2020 3:10:28 PM



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 4.751 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

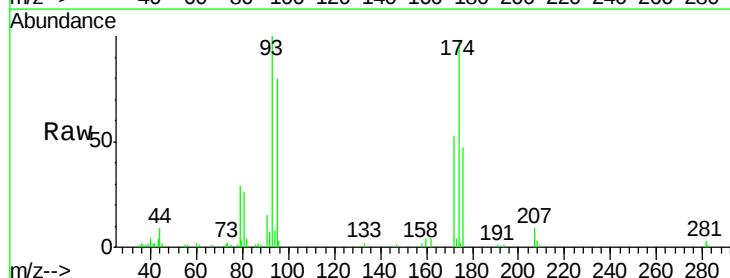
Tgt Ion: 93 Resp: 10977

Ion Ratio Lower Upper

93 100

95 83.3 0.0 162.8

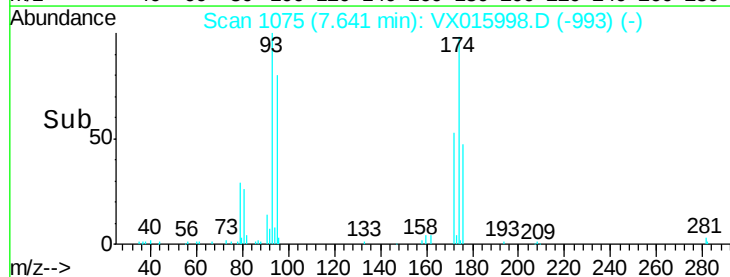
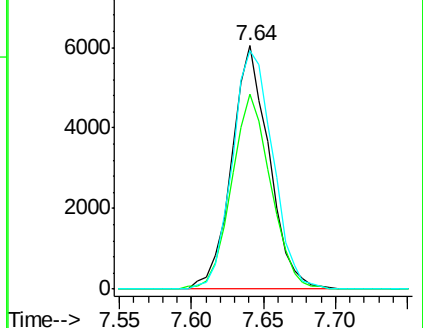
174 105.6 0.0 204.0

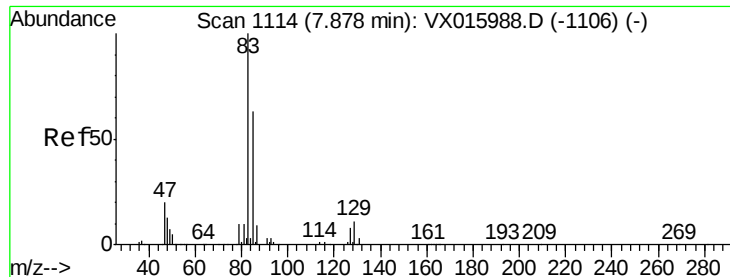


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.503 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

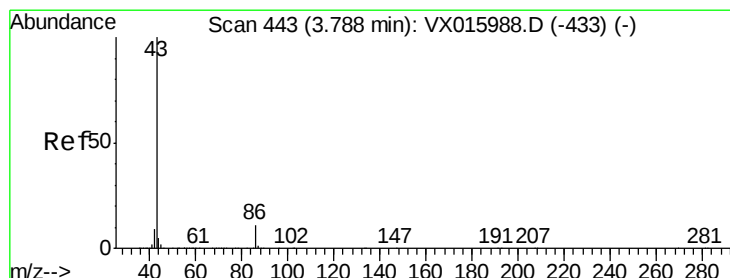
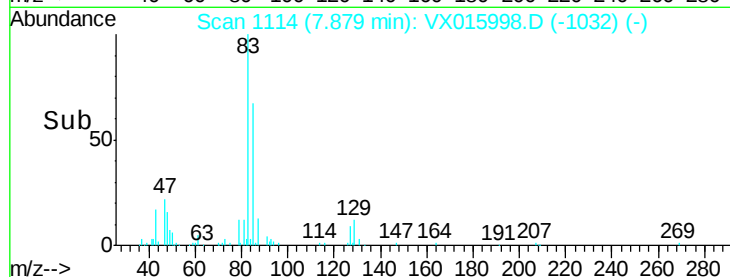
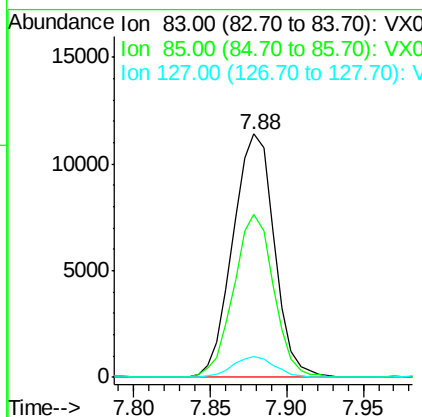
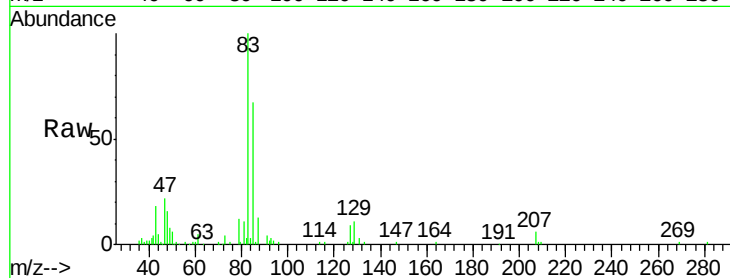
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	83	Resp:	21451
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.4	75.6
127	8.7	6.7	10.1

Manual Integrations
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MMDadoda
5/4/2020 3:10:28 PM



#42

Vinyl Acetate

Concen: 23.936 ug/l

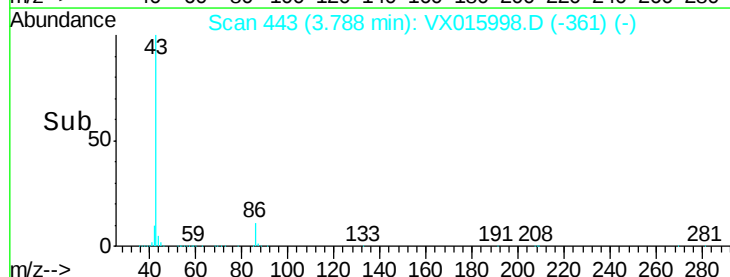
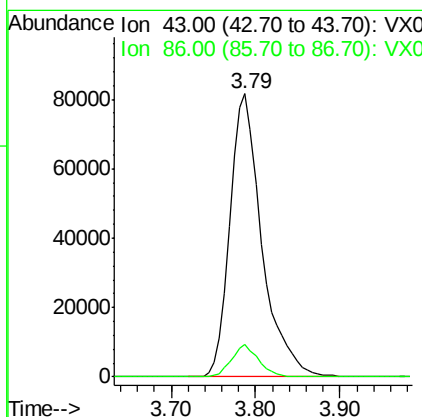
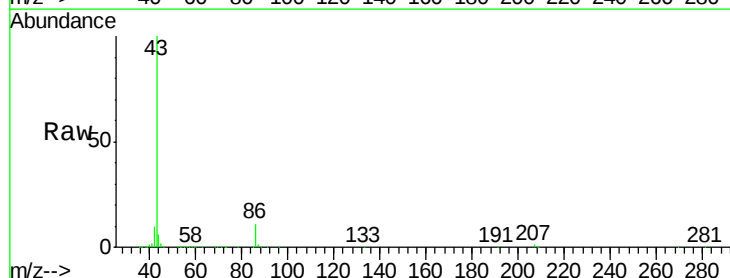
RT: 3.79 min Scan# 443

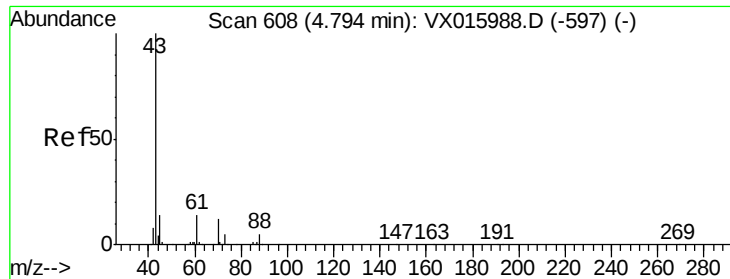
Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Tgt Ion:	43	Resp:	209410
Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.7	11.5





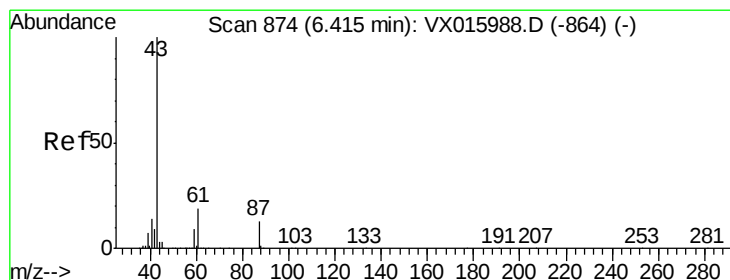
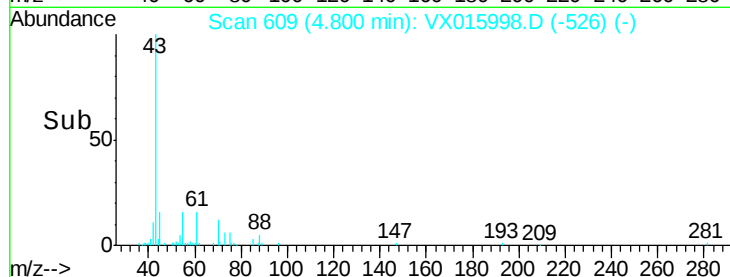
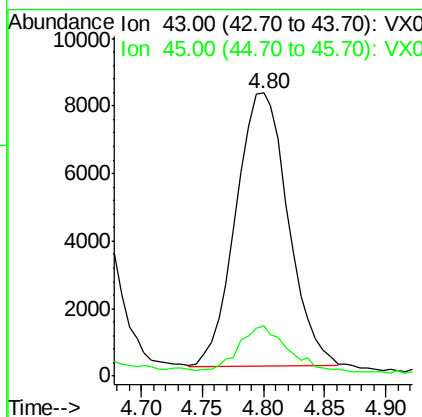
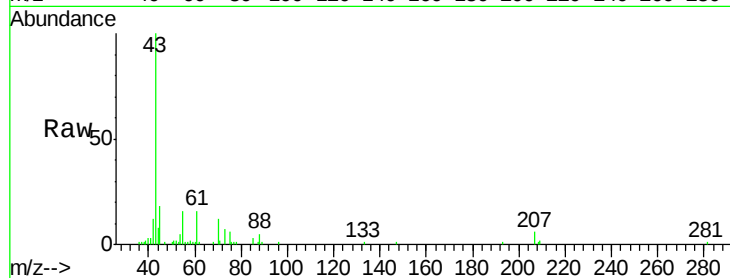
#43
Ethyl Acetate
Concen: 4.596 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	43	Ratio	Lower	Upper
23977	100			
45	16.0	11.9	17.9	

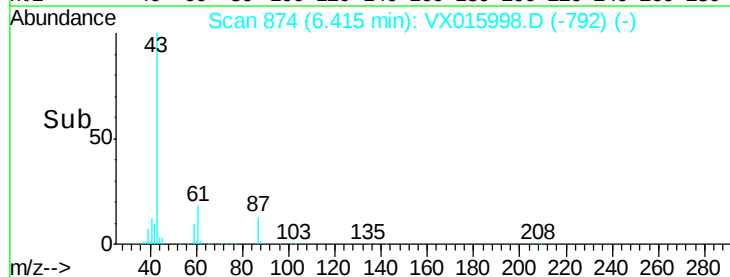
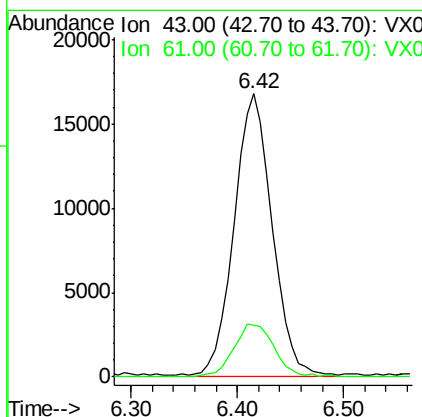
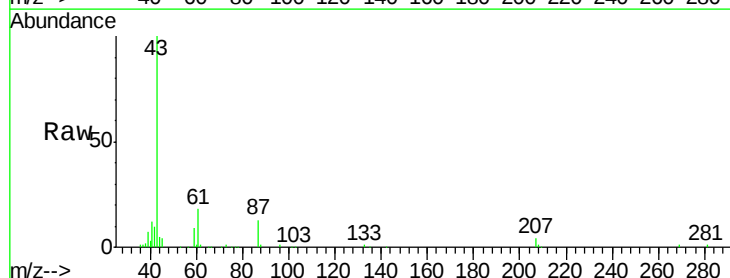
Manual Integrations
APPROVED

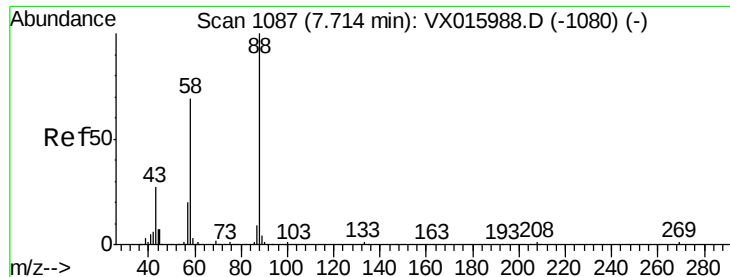
MMDadoda
5/4/2020 3:10:28 PM



#44
Isopropyl Acetate
Concen: 4.970 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	43	Ratio	Lower	Upper
42072	100			
61	19.8	16.1	24.1	





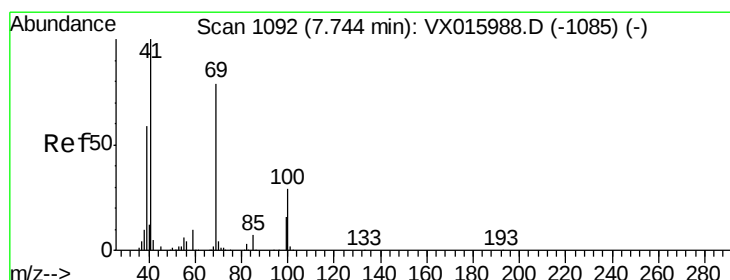
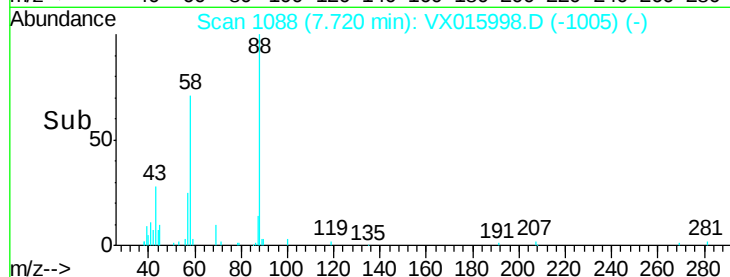
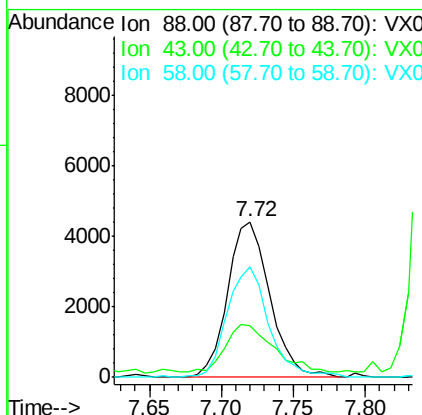
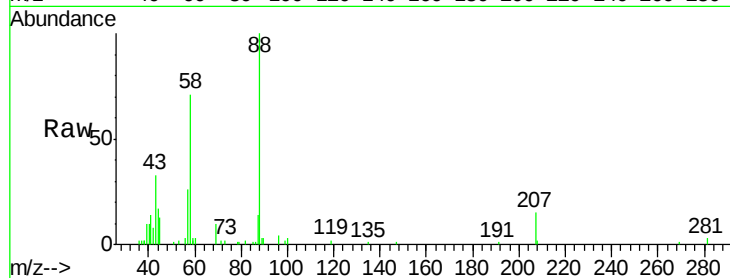
#45
1,4-Dioxane
Concen: 100.811 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.3	39.5
58	70.5	57.0	85.6

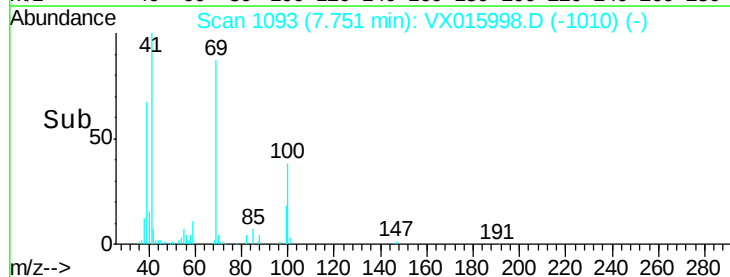
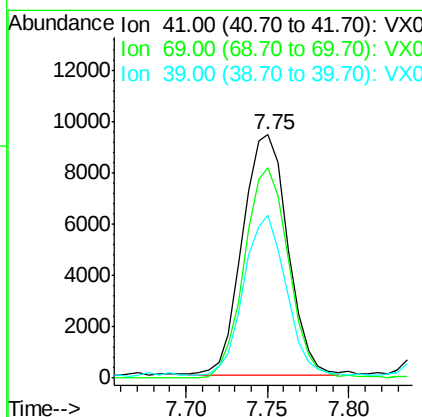
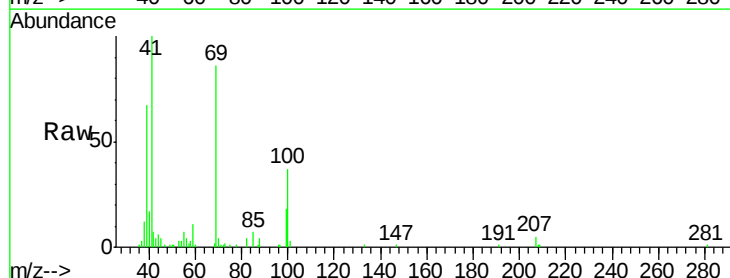
Manual Integrations
APPROVED

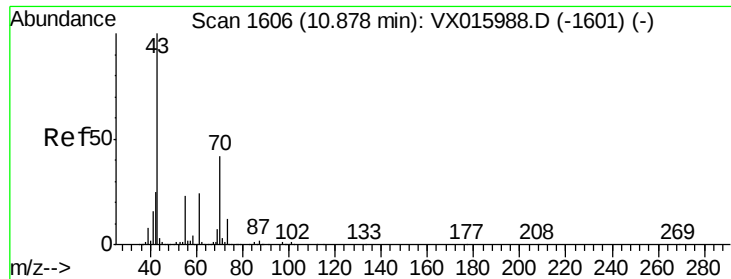
MMDadoda
5/4/2020 3:10:28 PM



#46
Methyl methacrylate
Concen: 4.494 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.8	39.5	118.5
39	66.6	29.6	88.9





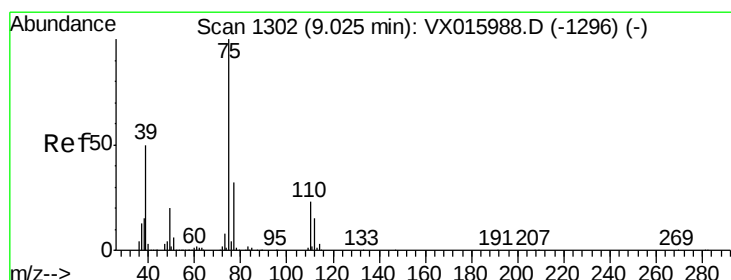
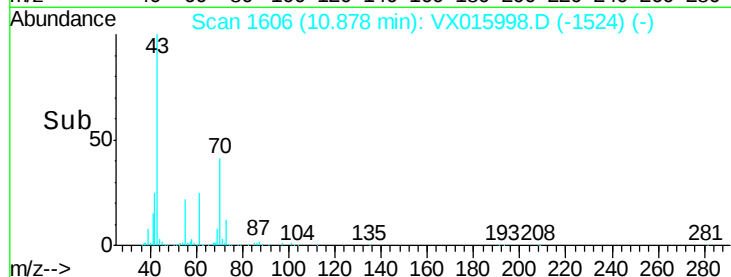
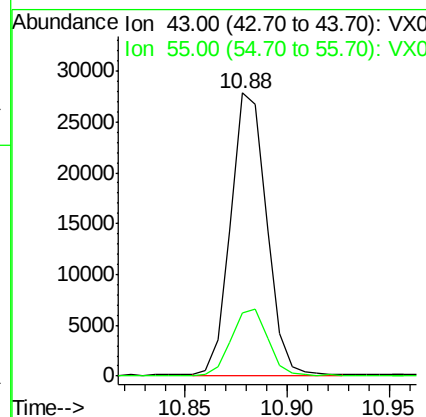
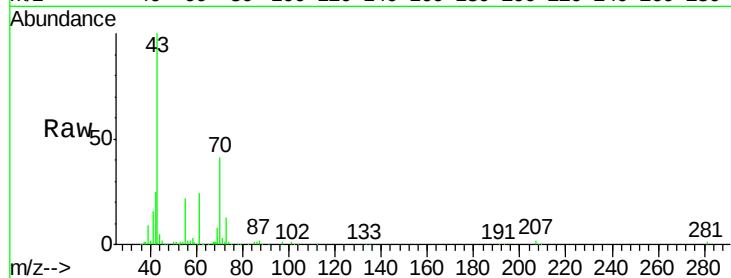
#47
n-amvl Acetate
Concen: 4.557 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 33729
Ion Ratio Lower Upper
43 100
55 24.2 19.0 28.4

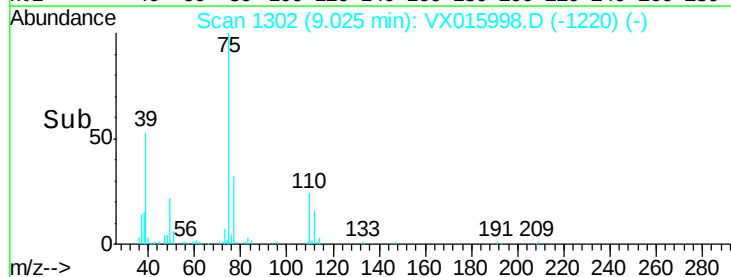
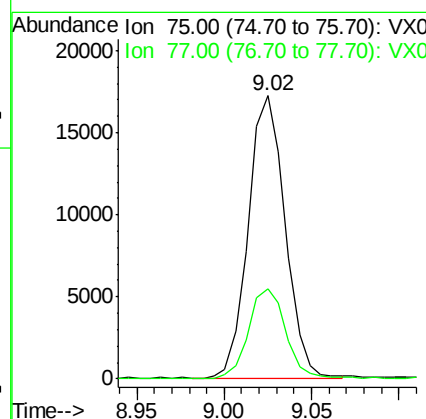
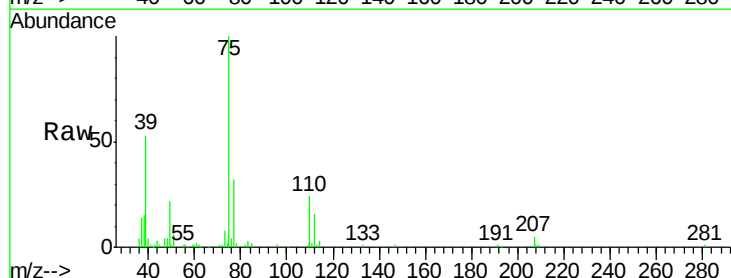
Manual Integrations
APPROVED

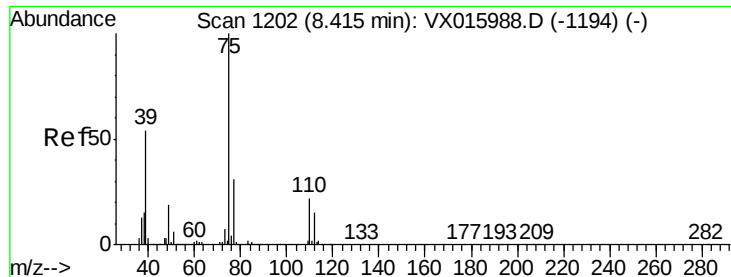
MMDadoda
5/4/2020 3:10:28 PM



#48
t-1,3-Dichloropropene
Concen: 4.547 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion: 75 Resp: 25150
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8





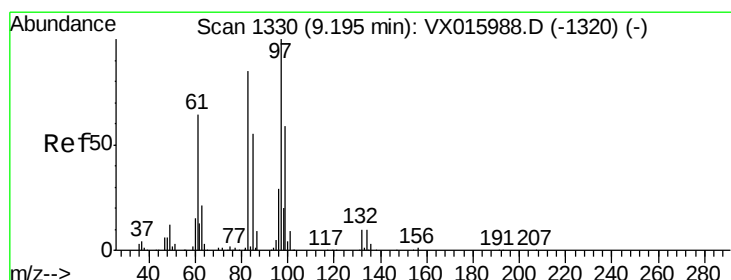
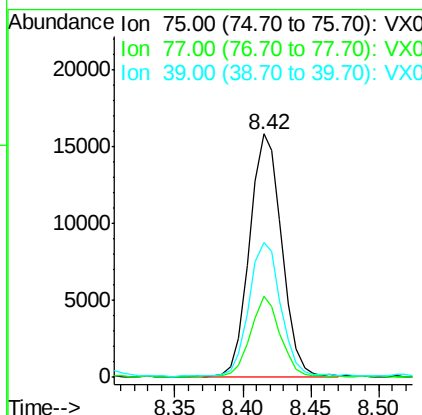
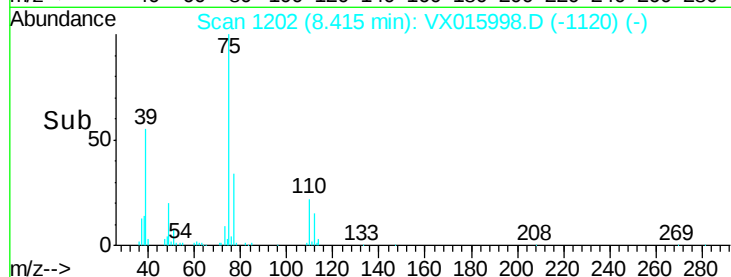
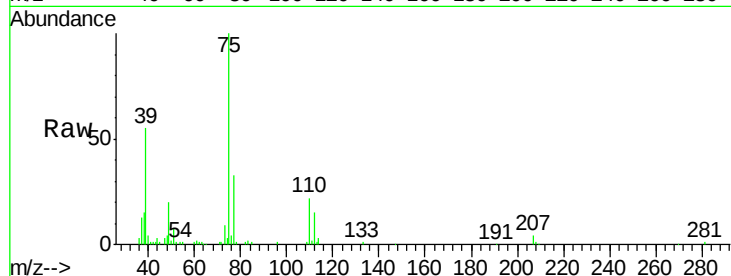
#49
 cis-1,3-Dichloropropene
 Concen: 4.630 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion:	75	Resp:	26458
Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.0	37.6
39	54.6	43.2	64.8

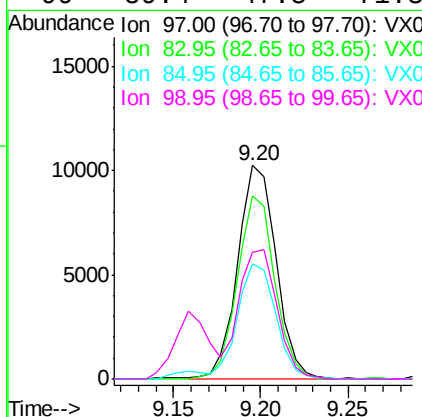
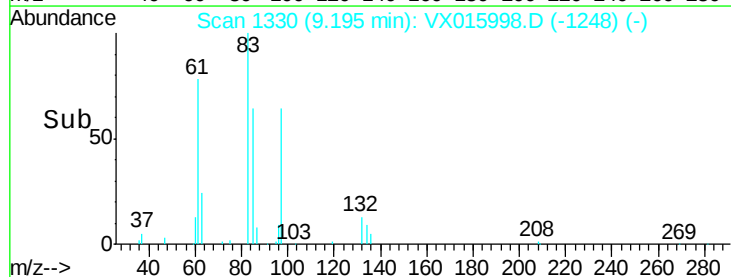
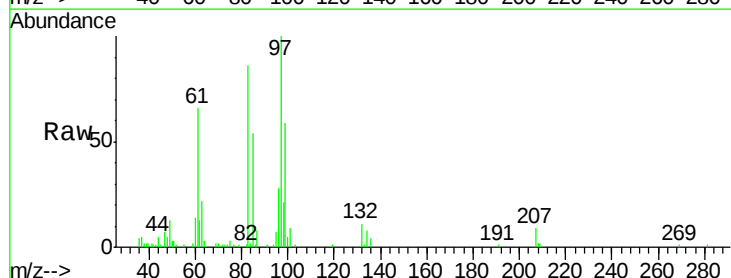
Manual Integrations
 APPROVED

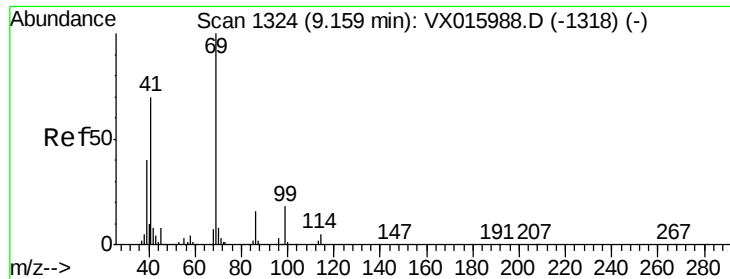
MMDadoda
 5/4/2020 3:10:28 PM



#50
 1,1,2-Trichloroethane
 Concen: 4.820 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Tgt Ion:	97	Resp:	15693
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.7	101.5
85	53.9	43.7	65.5
99	59.4	47.5	71.3





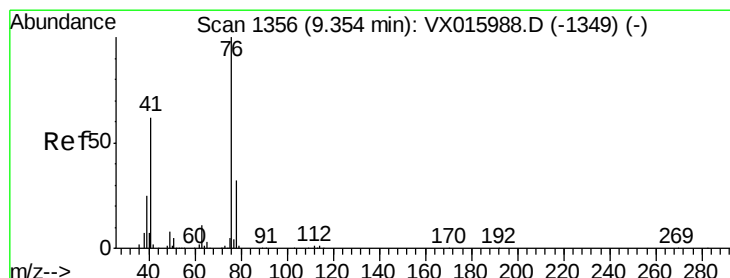
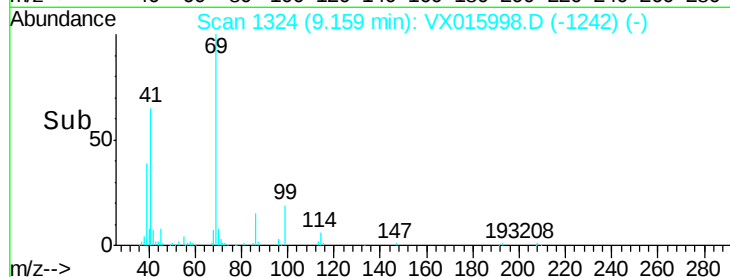
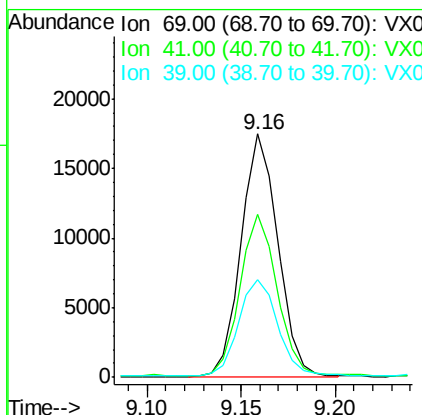
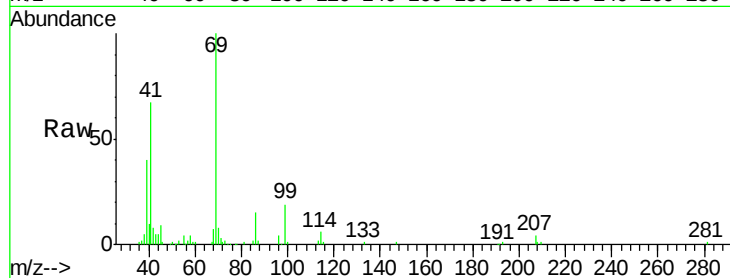
#51
Ethyl methacrylate
Concen: 4.439 ug/l
RT: 9.16 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
69	100		
41	66.2	34.8	104.4
39	39.4	19.8	59.4

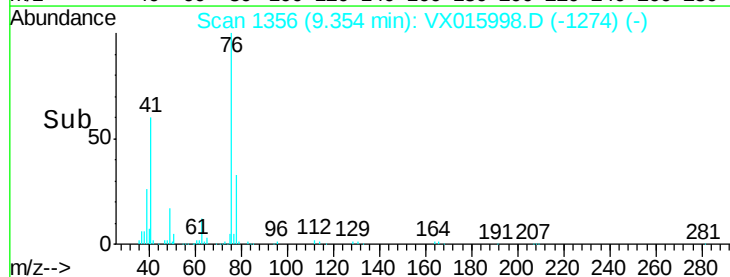
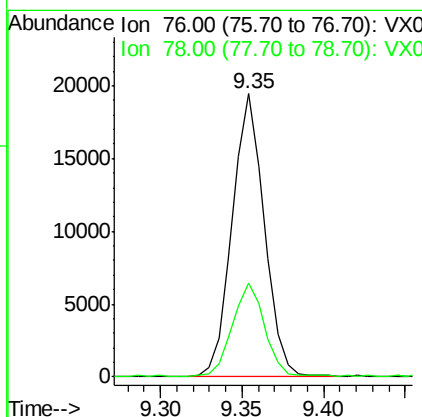
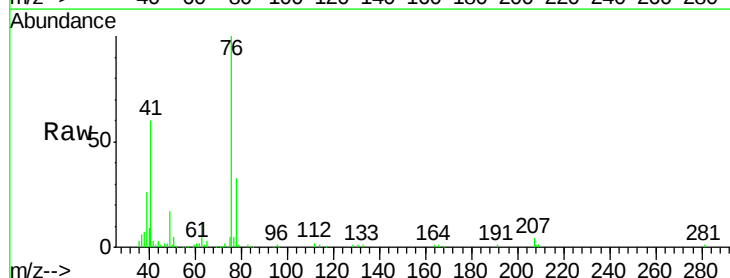
Manual Integrations
APPROVED

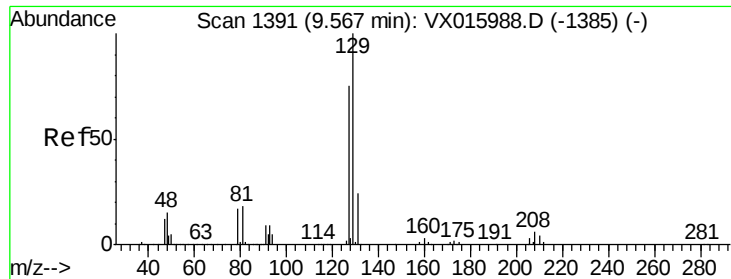
MMDadoda
5/4/2020 3:10:28 PM



#52
1,3-Dichloropropane
Concen: 4.743 ug/l
RT: 9.35 min Scan# 1356
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.6	0.0	64.2





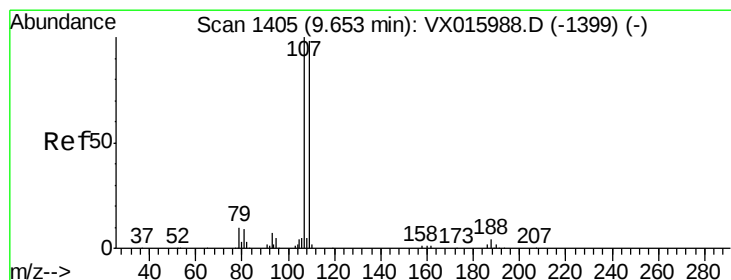
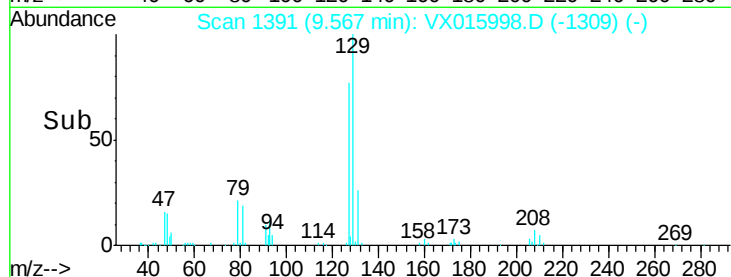
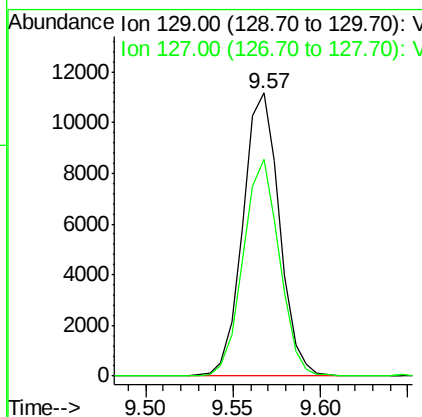
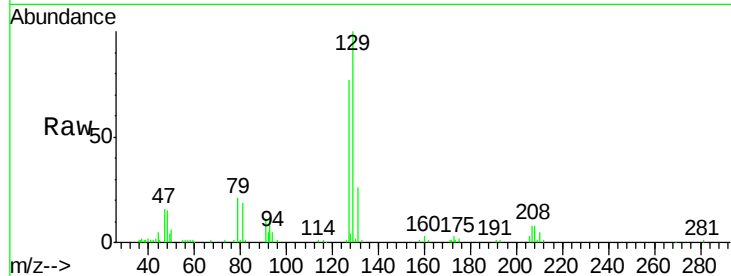
#53
Dibromochloromethane
Concen: 4.376 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.3	114.9

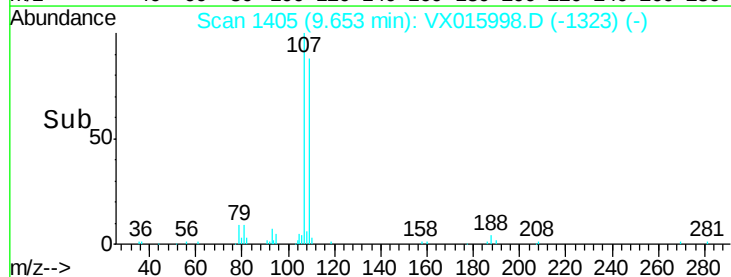
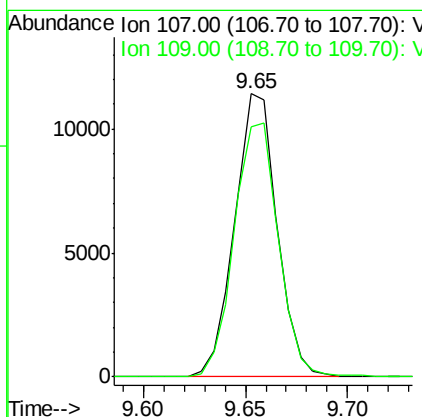
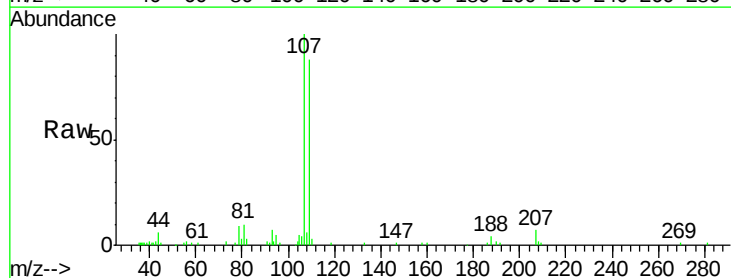
Manual Integrations
APPROVED

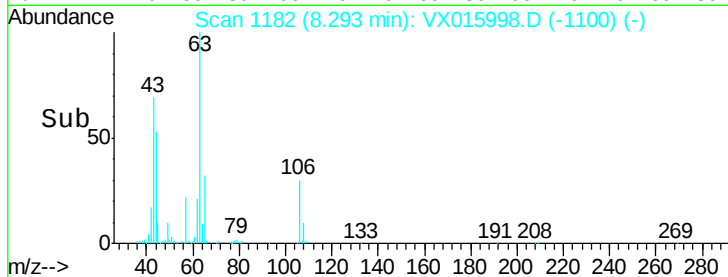
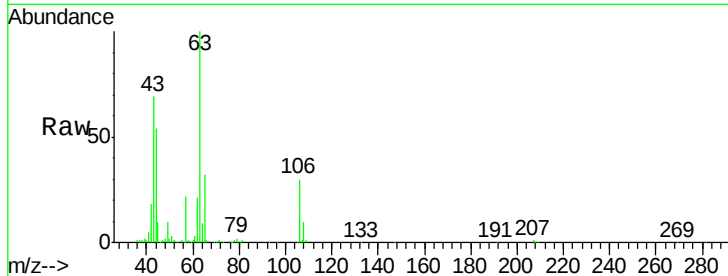
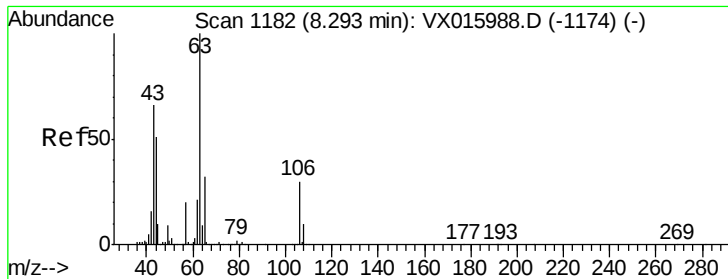
MMDadoda
5/4/2020 3:10:28 PM



#54
1,2-Dibromoethane
Concen: 4.615 ug/l
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.7	112.1





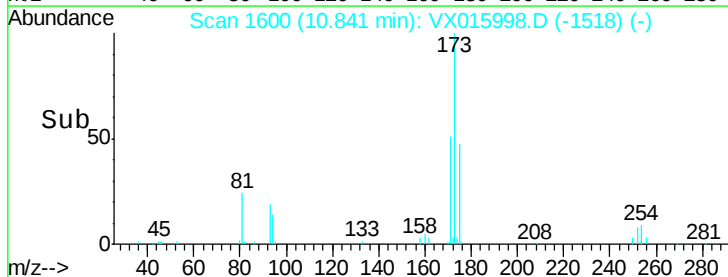
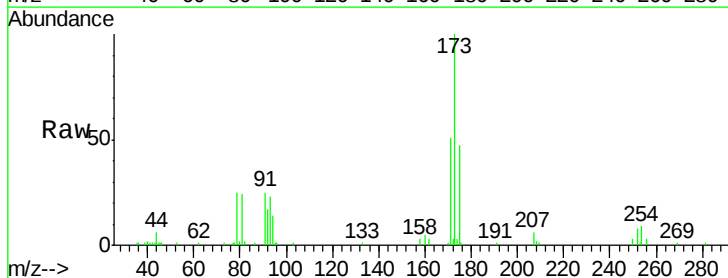
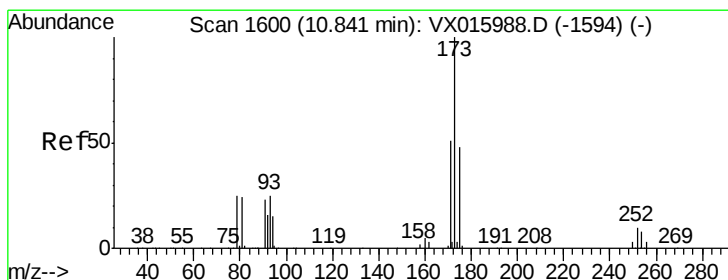
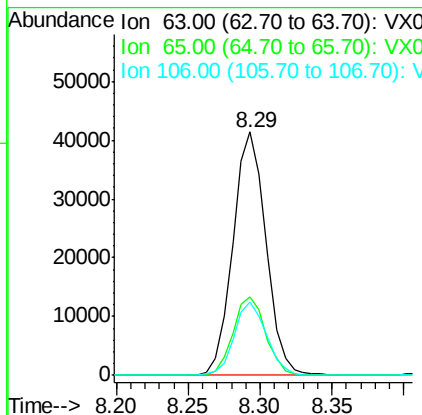
#55
2-Chloroethyl vinyl ether
Concen: 22.664 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tot Ion	Ratio	Resp	Lower	Upper
63	100	66293		
65	32.1		25.6	38.4
106	29.3		23.4	35.0

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

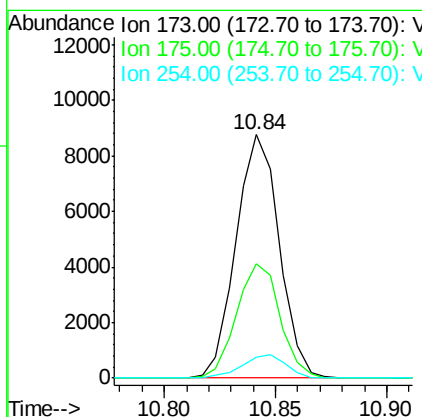
Manual Integrations
APPROVED

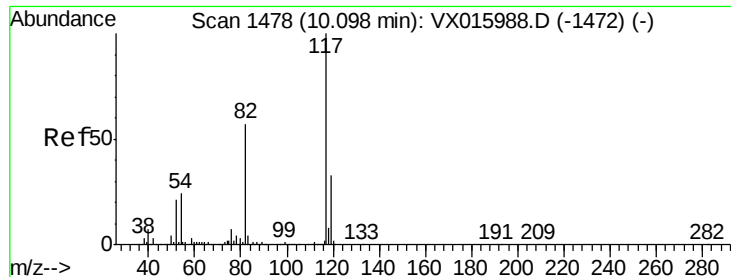
MMDadoda
5/4/2020 3:10:28 PM



#56
Bromoform
Concen: 4.253 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	11870		
175	47.1		38.0	57.0
254	9.6		6.8	10.2





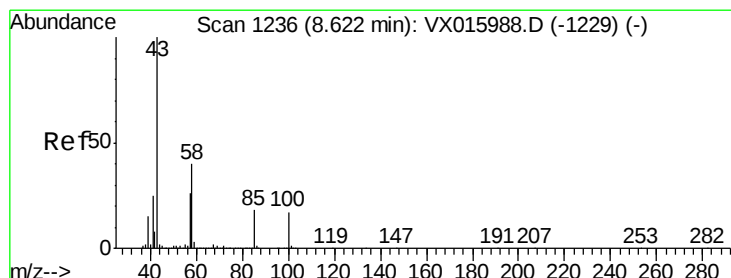
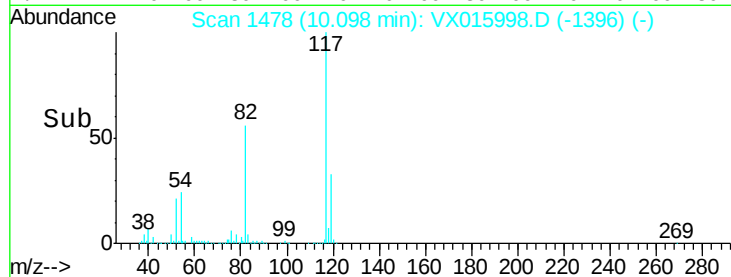
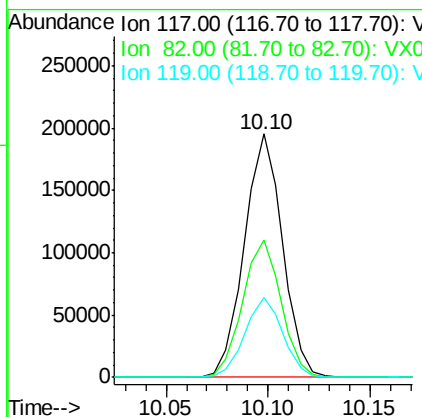
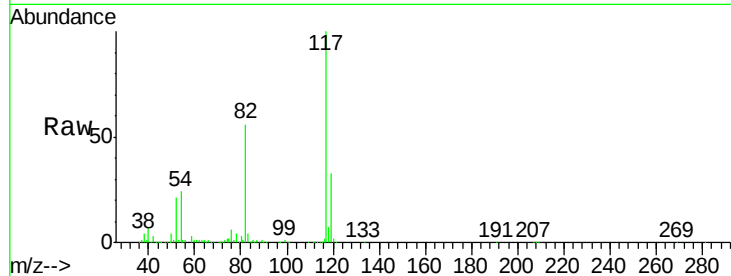
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.1	67.7
119	32.4	25.6	38.4

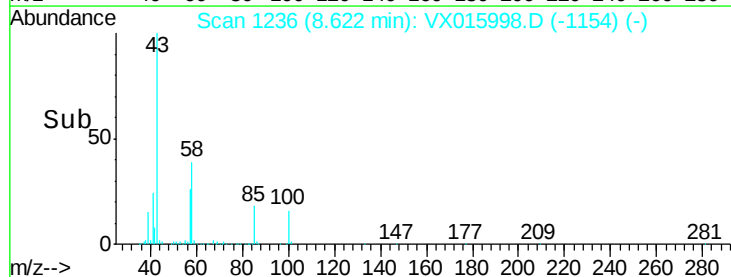
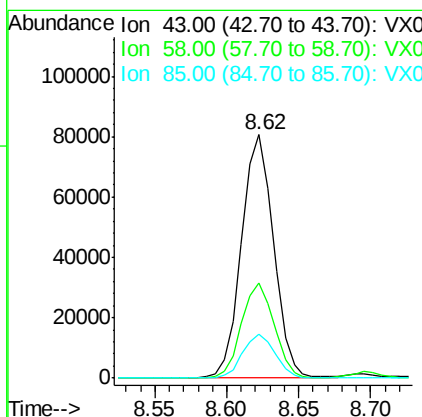
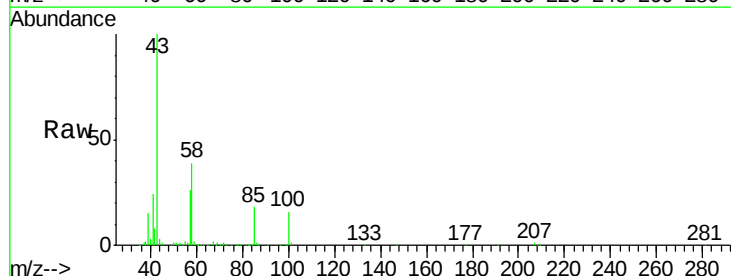
Manual Integrations
APPROVED

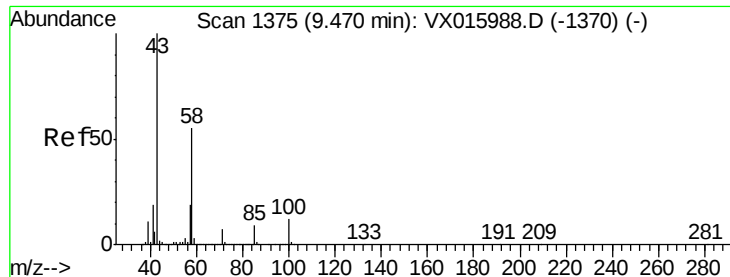
MMDadoda
5/4/2020 3:10:28 PM



#58
4-Methyl-2-Pentanone
Concen: 24.793 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.8	47.6
85	18.4	14.5	21.7





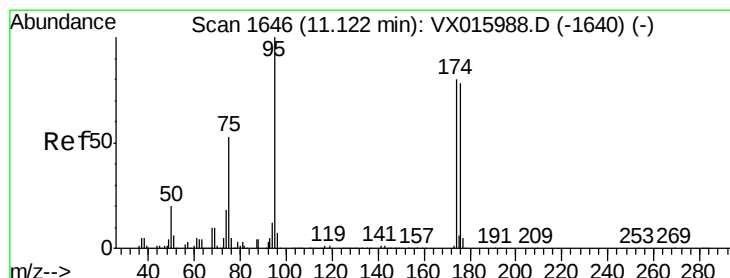
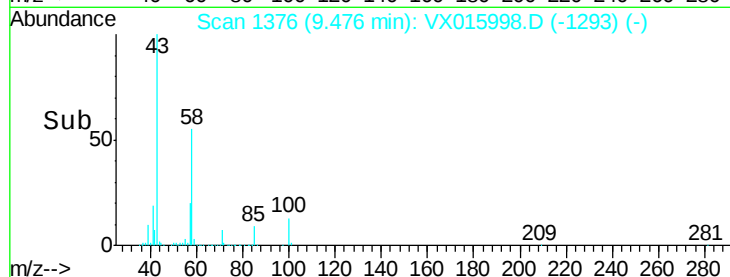
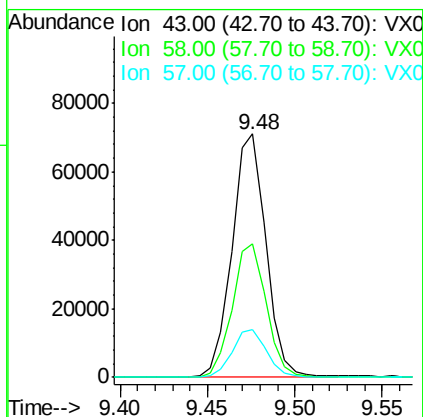
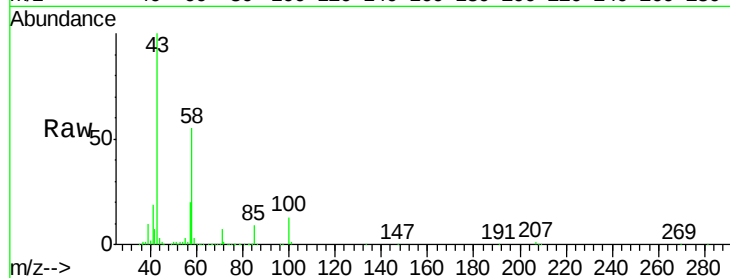
#59
2-Hexanone
Concen: 24.622 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.0	66.0
57	19.7	15.5	23.3

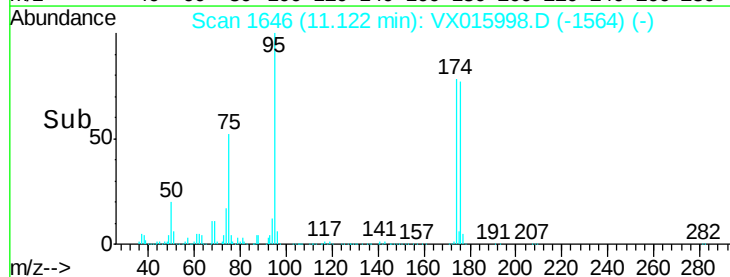
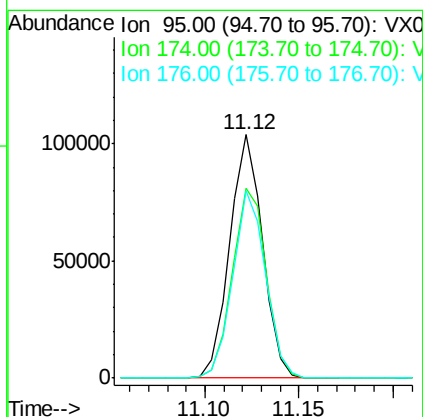
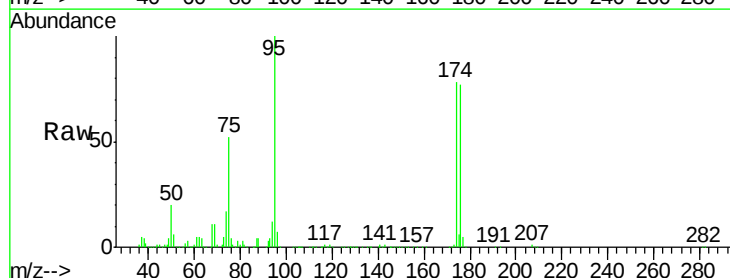
Manual Integrations
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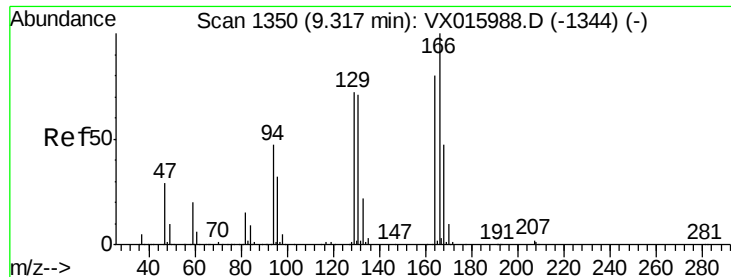
MMDadoda
5/4/2020 3:10:28 PM



#60
4-Bromofluorobenzene
Concen: 29.336 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	64.8	97.2
176	77.2	62.4	93.6





#61

Tetrachloroethene

Concen: 4.973 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:164 Resp: 25019

Ion Ratio Lower Upper

164 100

166 123.7 100.1 150.1

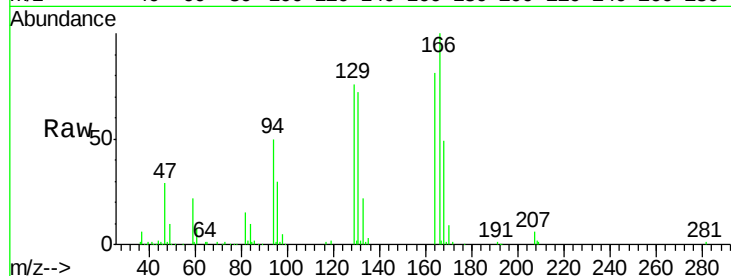
129 93.9 72.2 108.4

131 88.2 71.3 106.9

Manual Integrations
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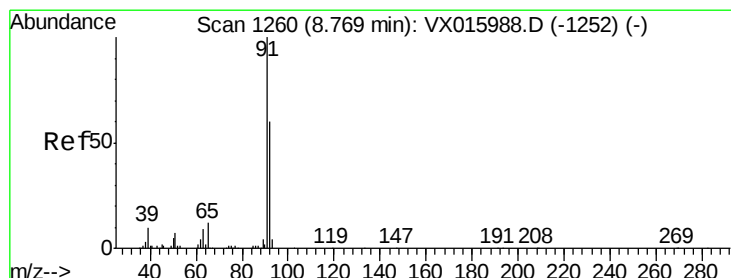
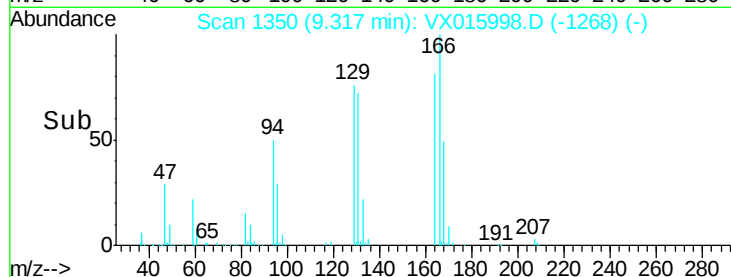
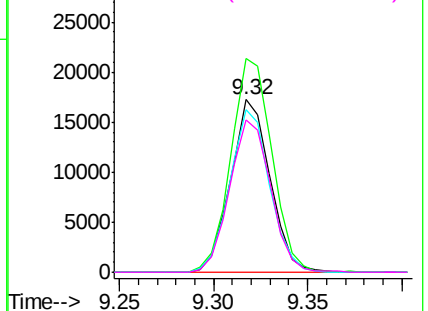


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 4.847 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015998.D

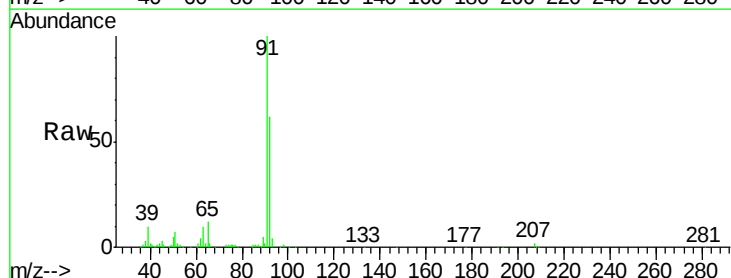
Acq: 30 Apr 2020 16:22

Tgt Ion: 91 Resp: 65861

Ion Ratio Lower Upper

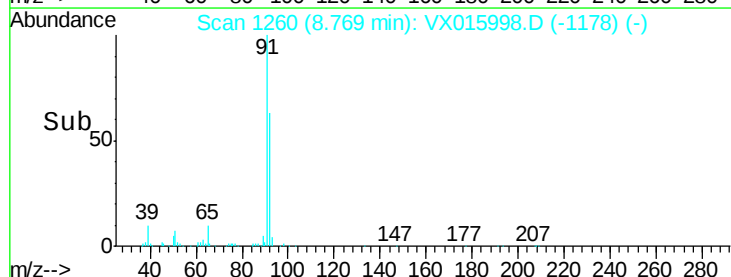
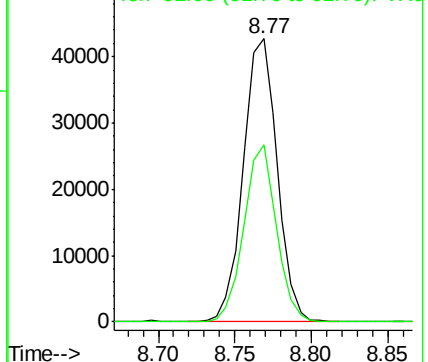
91 100

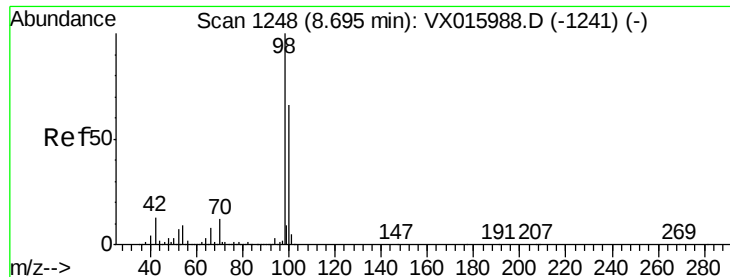
92 59.7 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.611 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 98 Resp: 333984

Ion Ratio Lower Upper

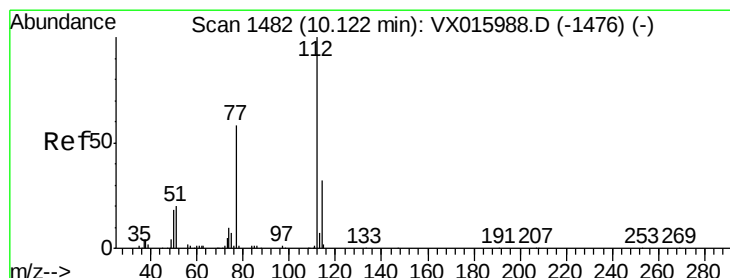
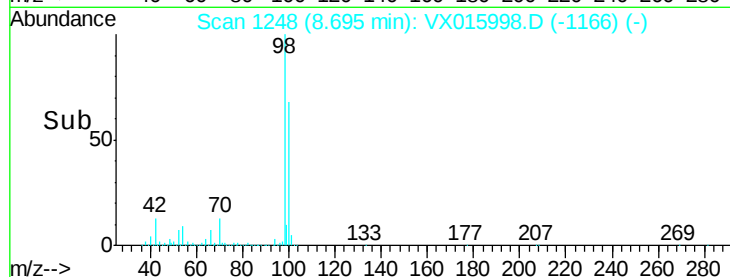
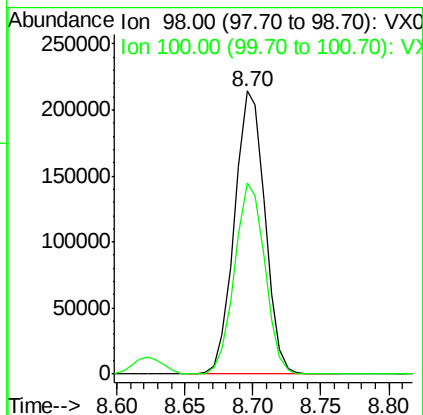
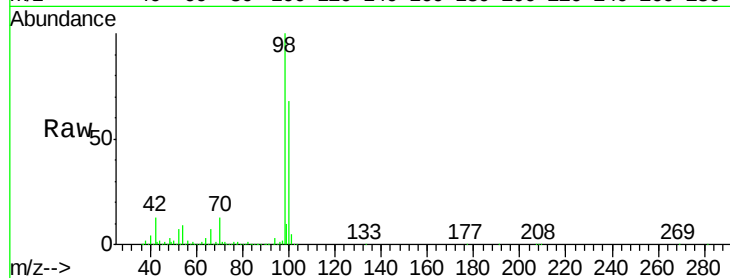
98 100

100 67.0 52.5 78.7

Manual Integrations
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#64

Chlorobenzene

Concen: 4.810 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015998.D

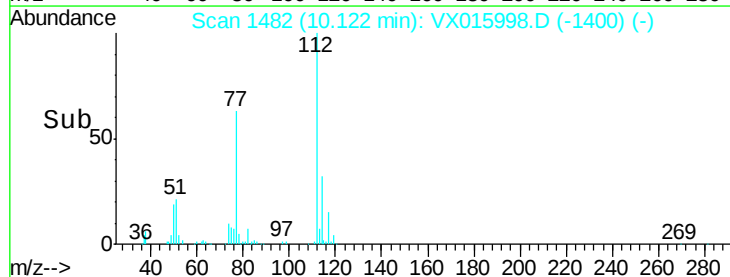
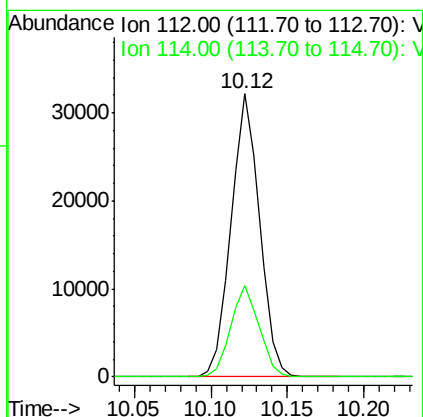
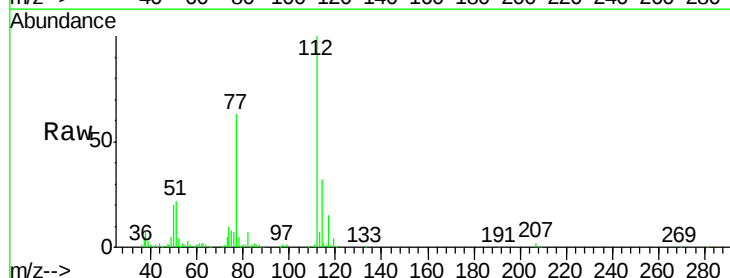
Acq: 30 Apr 2020 16:22

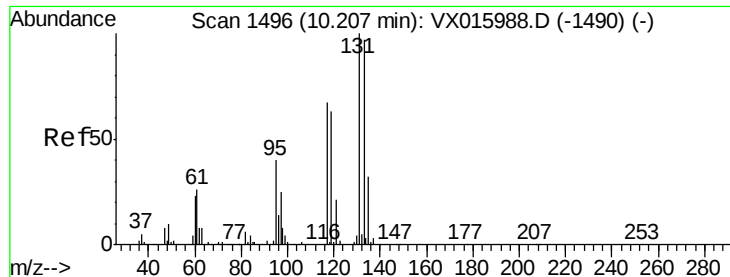
Tgt Ion: 112 Resp: 41613

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 4.757 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

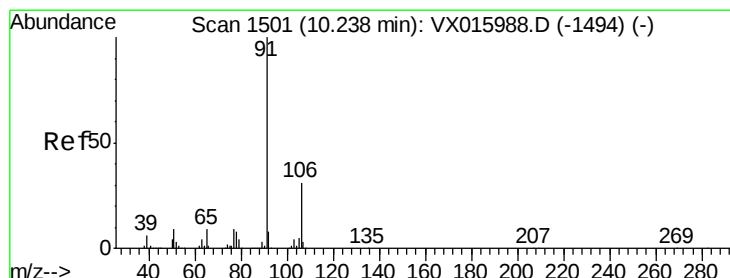
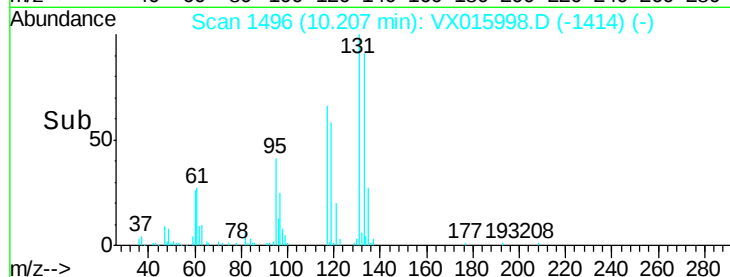
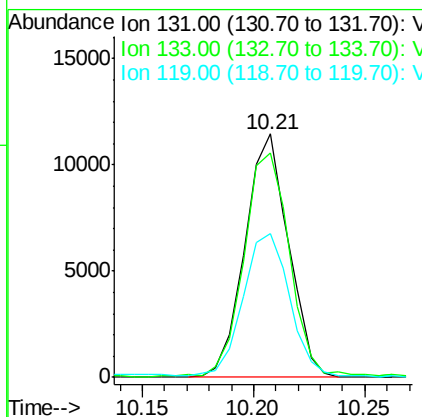
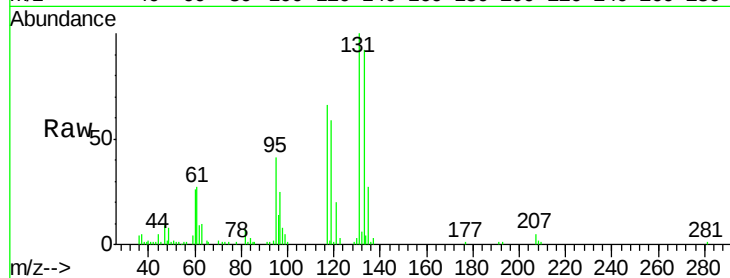
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	131	Resp:	15623
Ion Ratio	Lower	Upper	
131	100		
133	95.1	0.0	187.0
119	64.0	0.0	129.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 4.726 ug/l

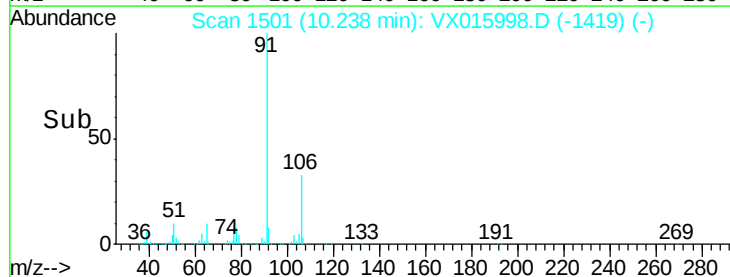
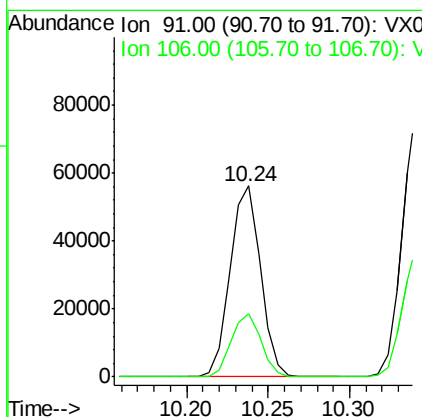
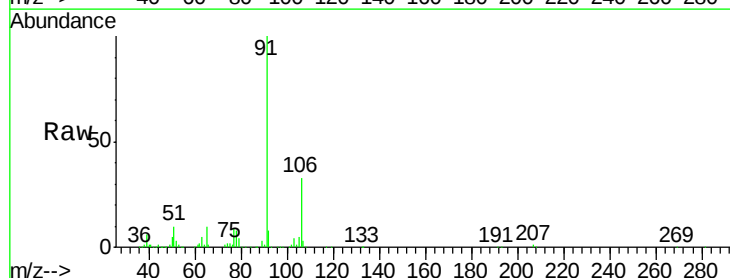
RT: 10.24 min Scan# 1501

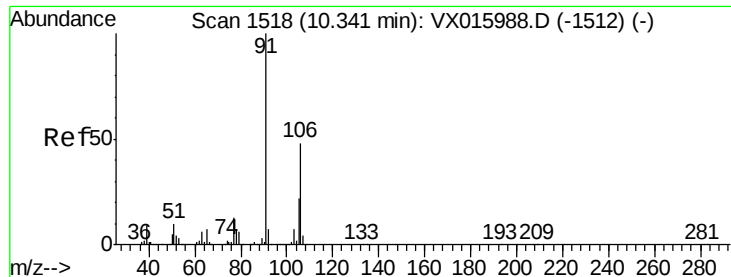
Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Tgt Ion:	91	Resp:	73119
Ion Ratio	Lower	Upper	
91	100		
106	33.1	24.8	37.2





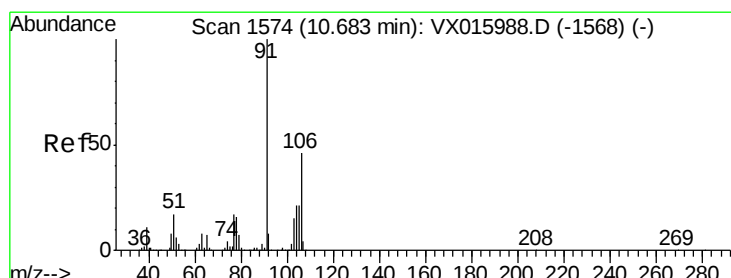
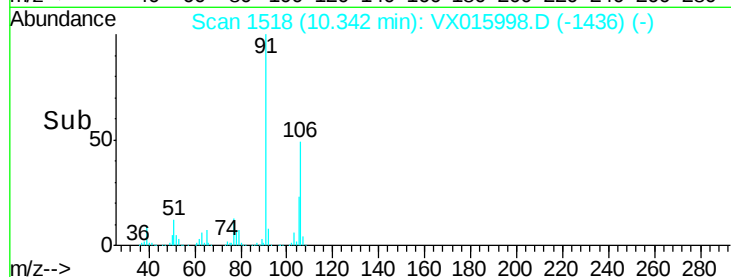
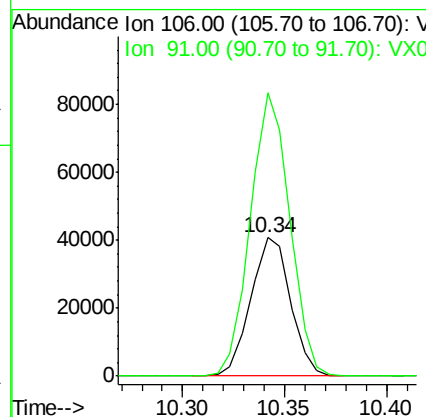
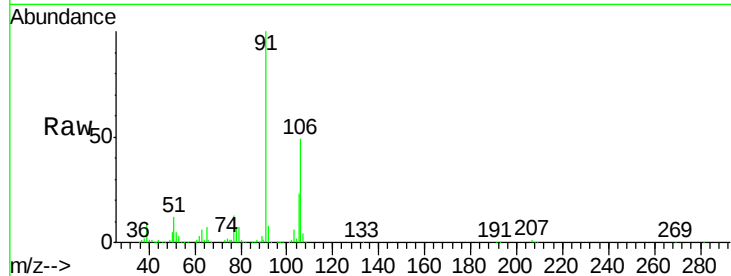
#67
m/p-Xylenes
Concen: 9.431 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion:106 Resp: 55590
Ion Ratio Lower Upper
106 100
91 202.3 164.2 246.4

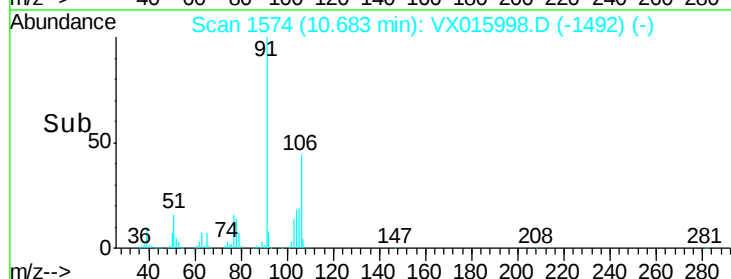
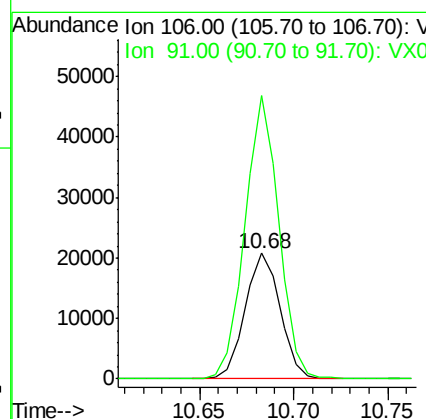
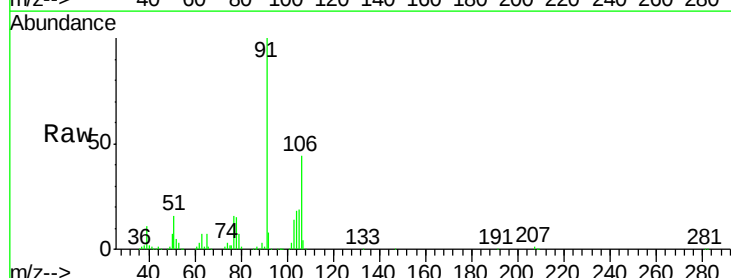
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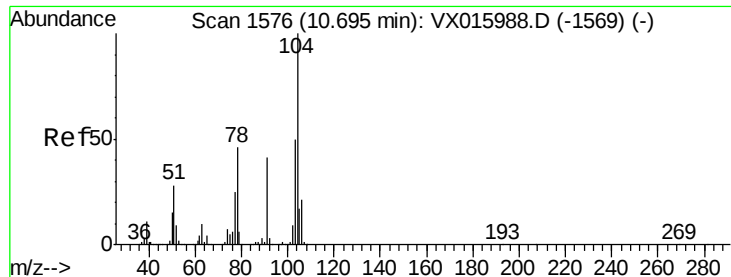
MMDadoda
5/4/2020 3:10:28 PM



#68
o-Xylene
Concen: 4.709 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion:106 Resp: 26763
Ion Ratio Lower Upper
106 100
91 216.5 108.3 325.0





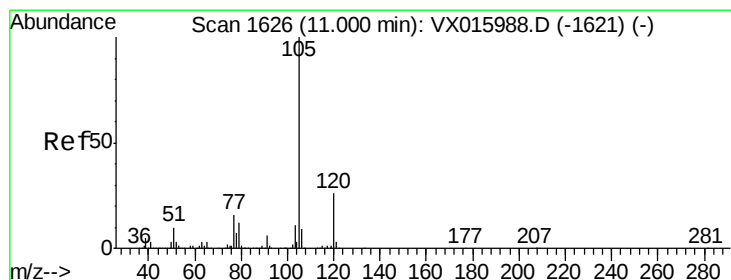
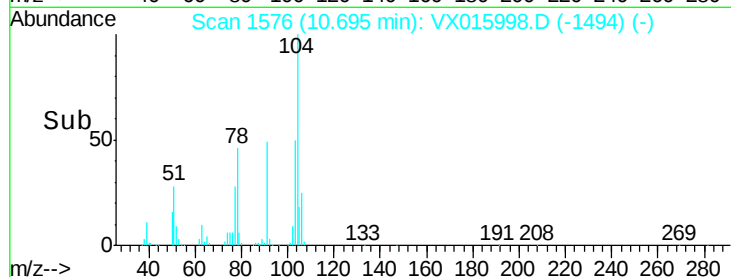
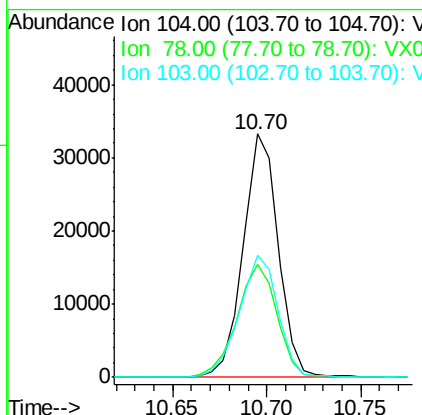
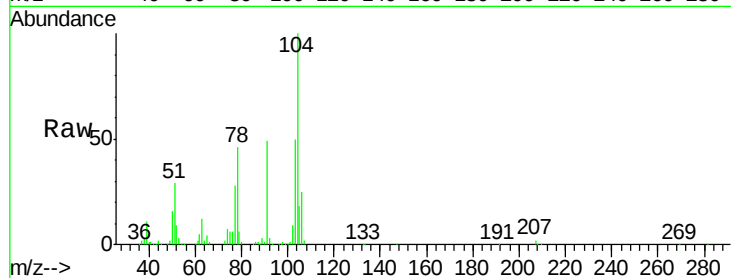
#69
Stvrene
Concen: 4.424 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	40.7	61.1
103	55.5	43.0	64.4

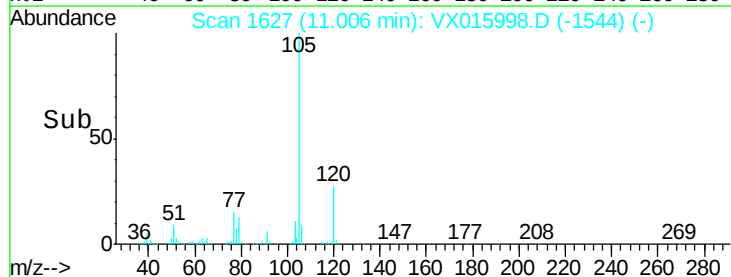
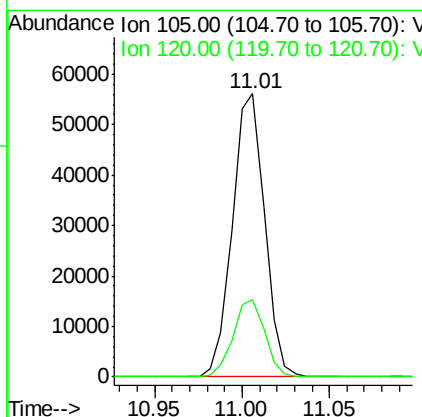
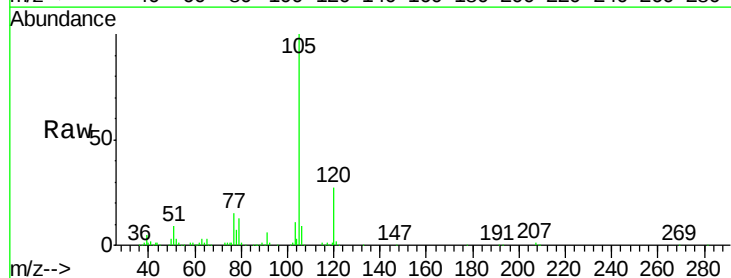
Manual Integrations
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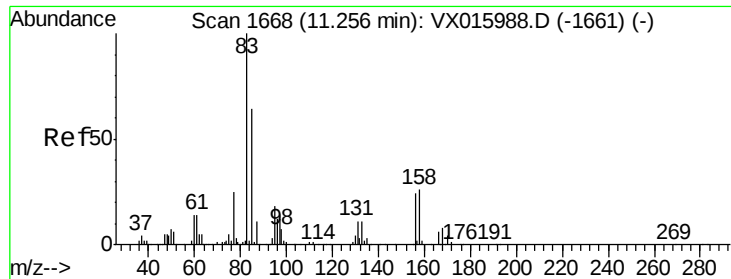
MMDadoda
5/4/2020 3:10:28 PM



#70
Isopropylbenzene
Concen: 4.683 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.6	34.5





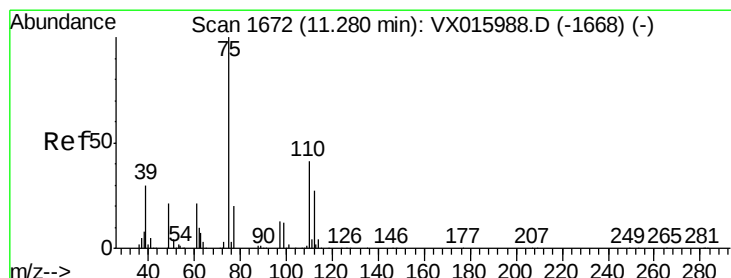
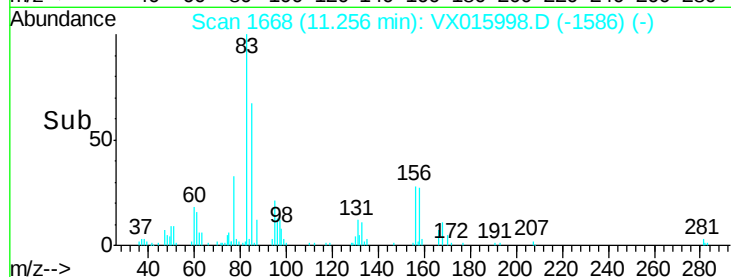
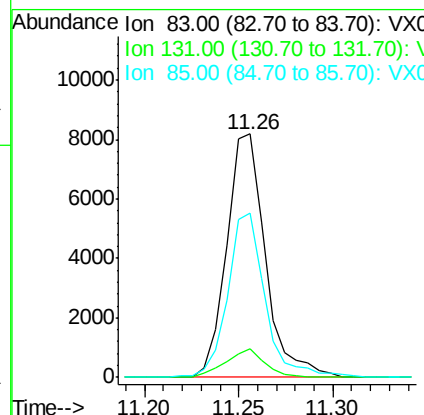
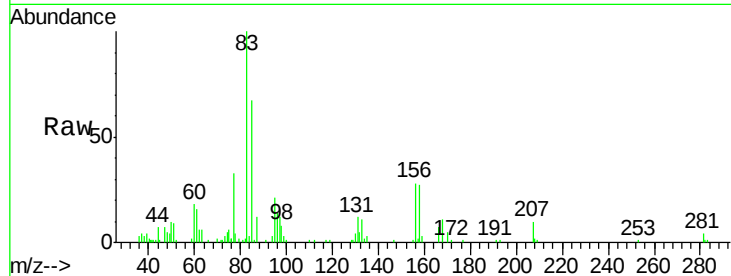
#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.096 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.2	15.6
85	65.2	33.0	98.9

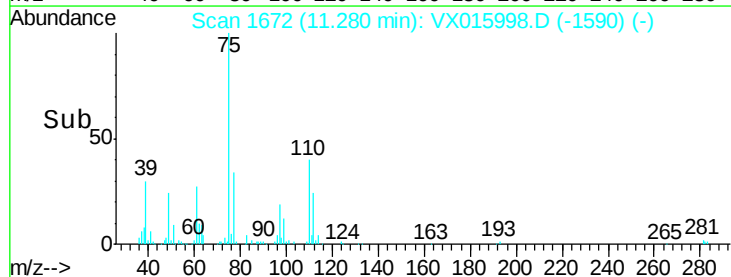
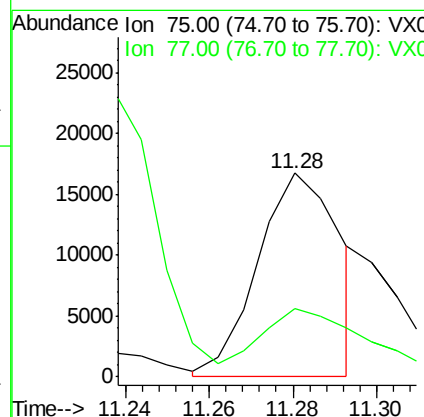
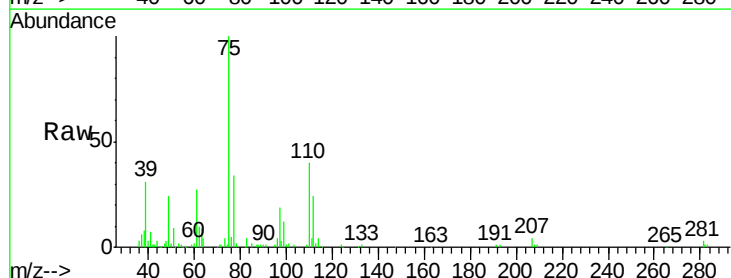
Manual Integrations
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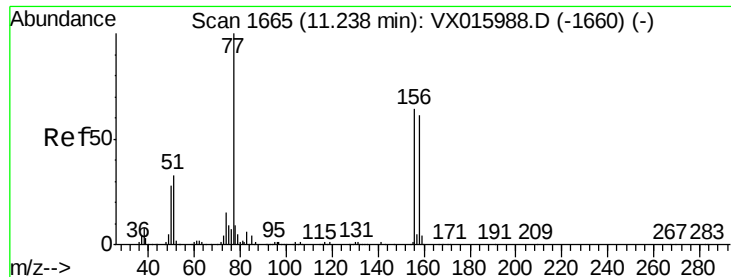
MMDadoda
 5/4/2020 3:10:28 PM



#72
 1,2,3-Trichloropropane
 Concen: 4.906 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	44.5	0.0	86.0





#73

Bromobenzene

Concen: 4.765 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

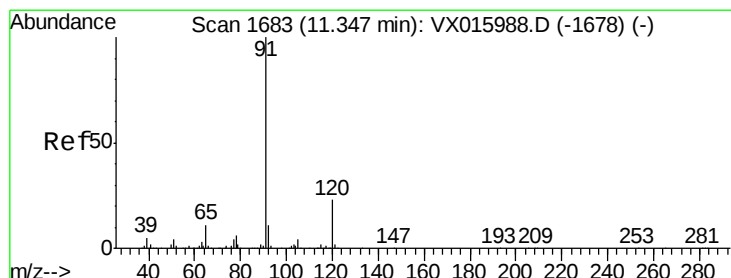
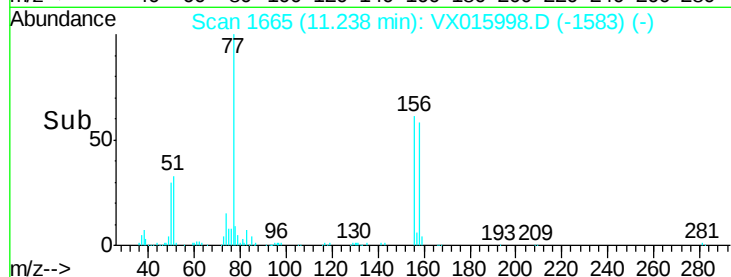
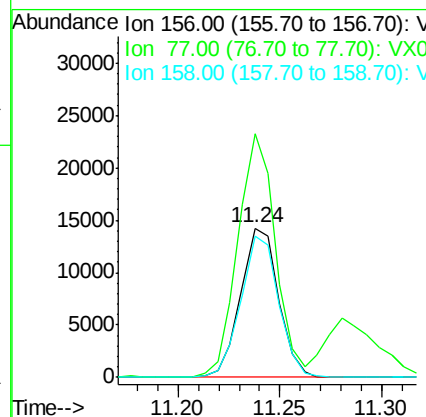
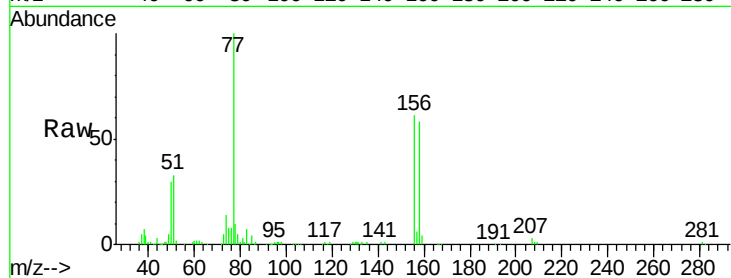
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	156	Resp:	18426
Ion Ratio	Lower	Upper	
156	100		
77	160.7	0.0	318.0
158	93.8	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 4.594 ug/l

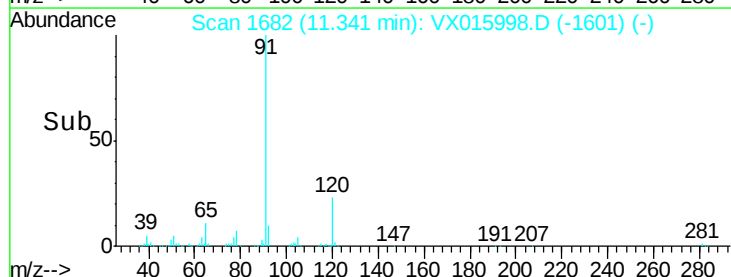
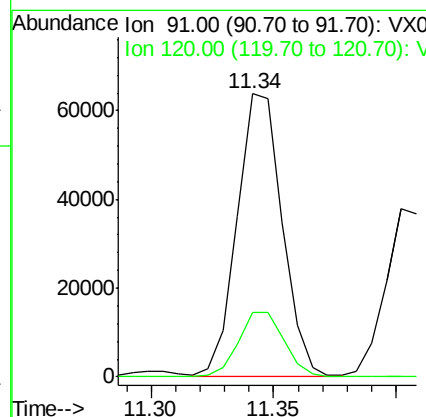
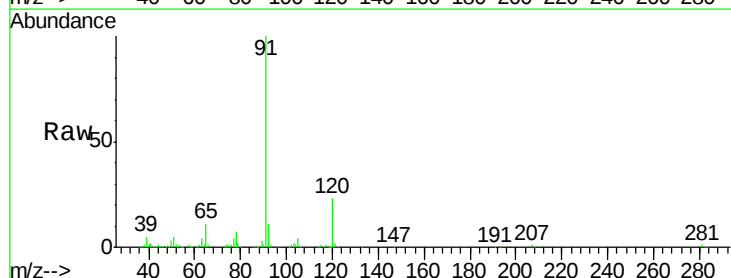
RT: 11.34 min Scan# 1682

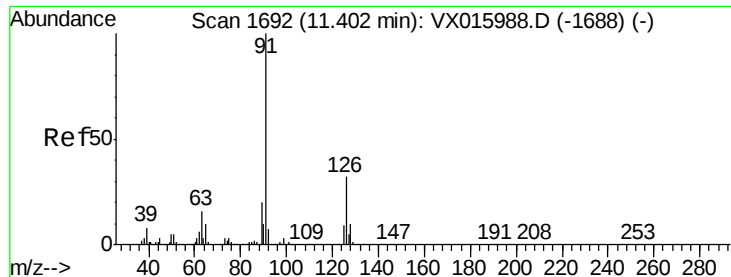
Delta R.T. -0.01 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Tgt Ion:	91	Resp:	81878
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	45.4





#75

2-Chlorotoluene

Concen: 4.741 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 49657

Ion Ratio Lower Upper

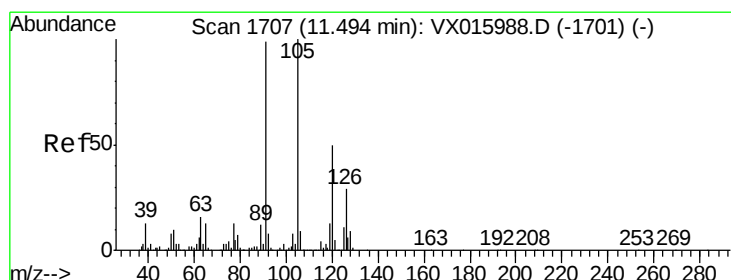
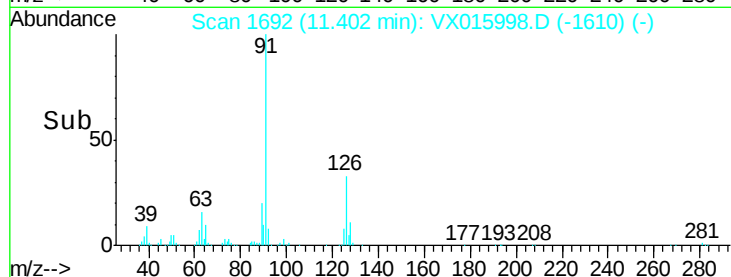
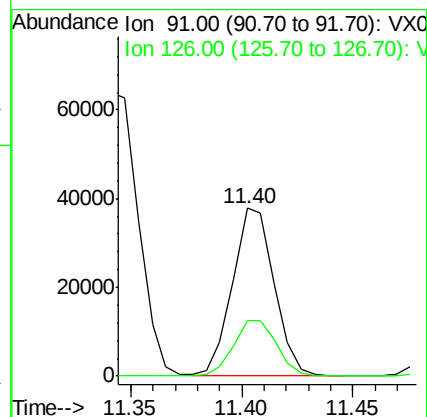
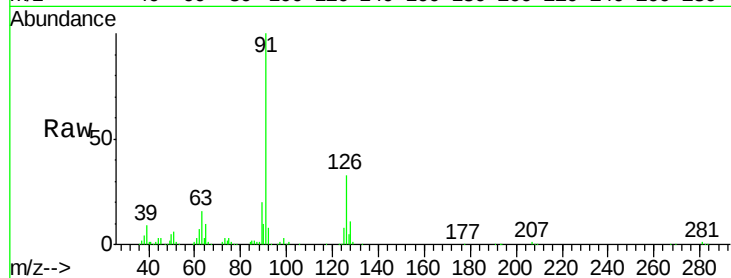
91 100

126 33.7 0.0 66.2

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5/4/2020 3:10:28 PM



#76

1,3,5-Trimethylbenzene

Concen: 4.602 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015998.D

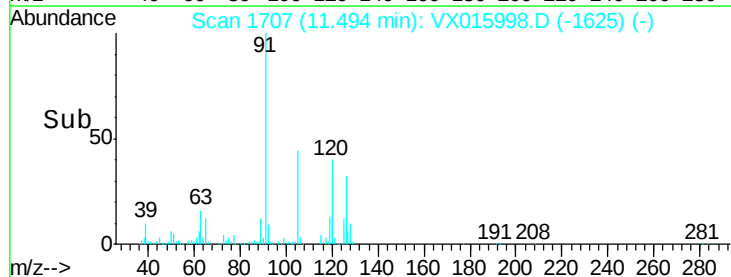
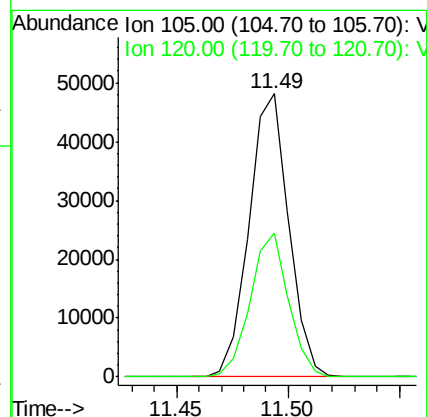
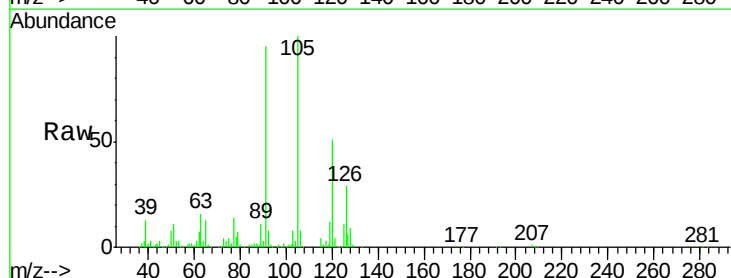
Acq: 30 Apr 2020 16:22

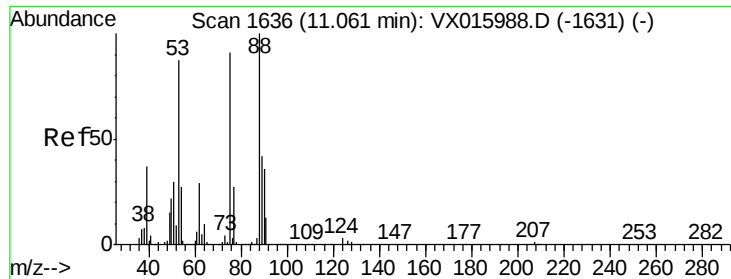
Tgt Ion: 105 Resp: 59946

Ion Ratio Lower Upper

105 100

120 48.8 0.0 99.4





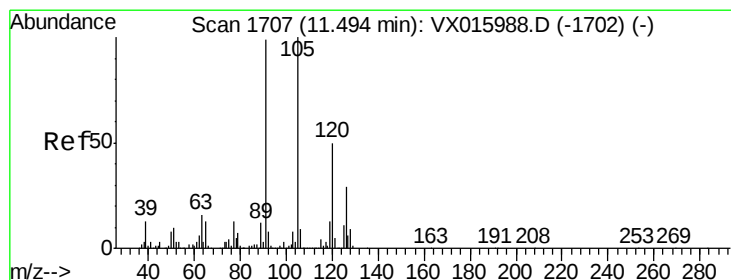
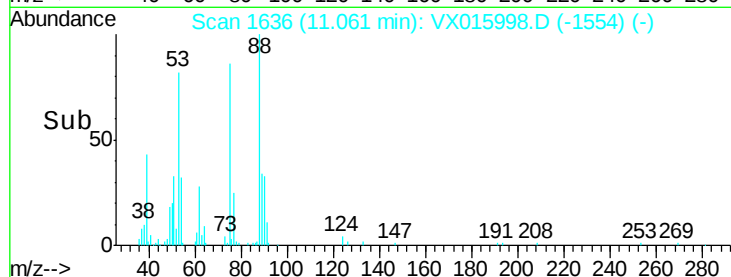
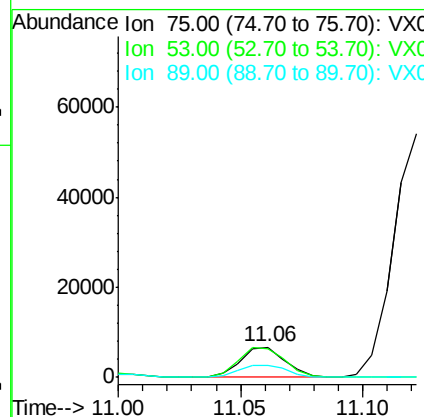
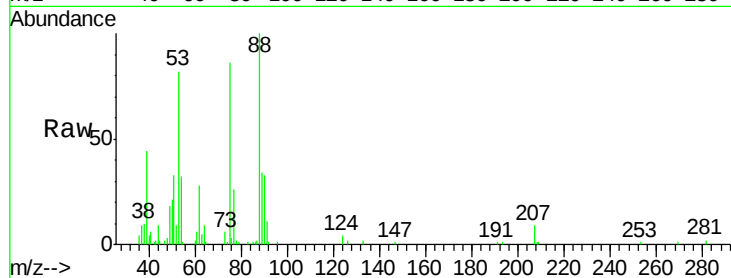
#77
t-1,4-Dichloro-2-butene
Concen: 4.258 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	48.0	144.2
89	40.0	23.4	70.3

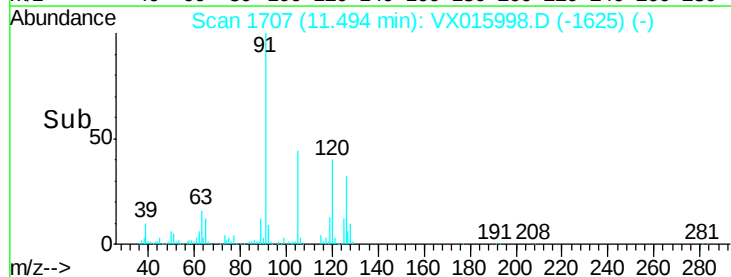
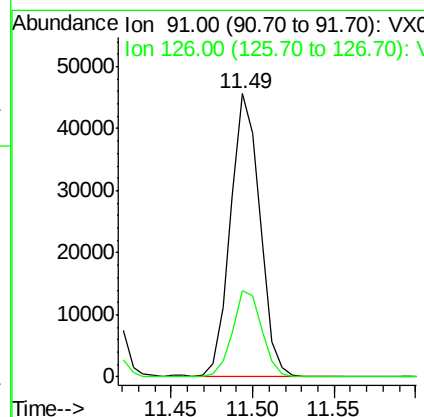
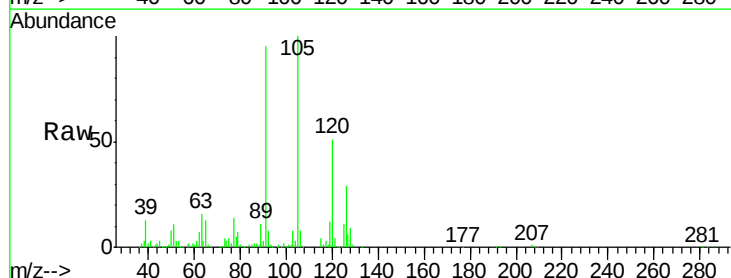
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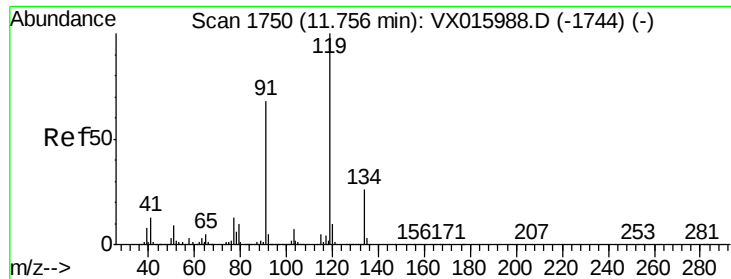
MMDadoda
5/4/2020 3:10:28 PM



#78
4-Chlorotoluene
Concen: 4.620 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	0.0	58.4





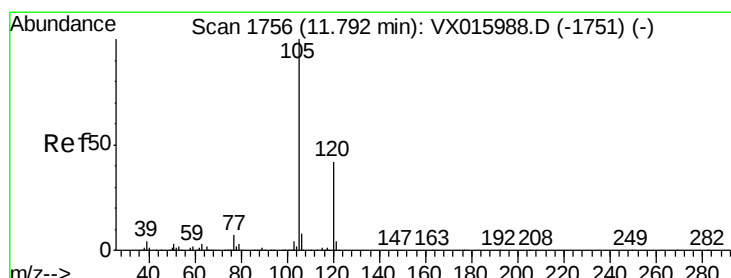
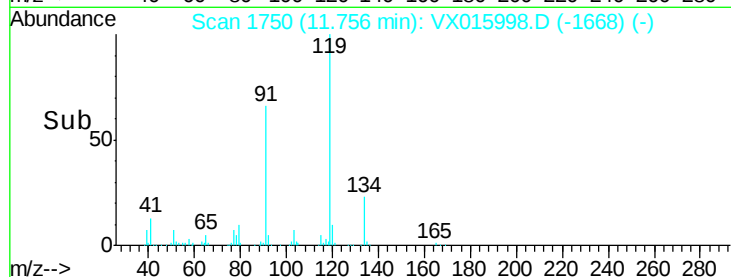
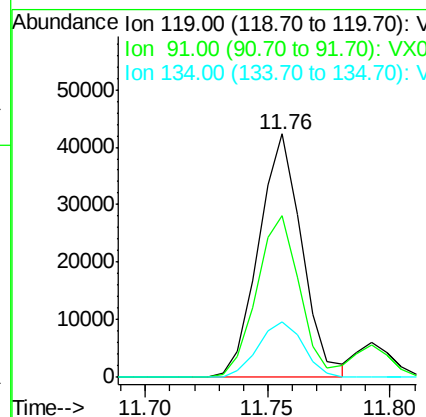
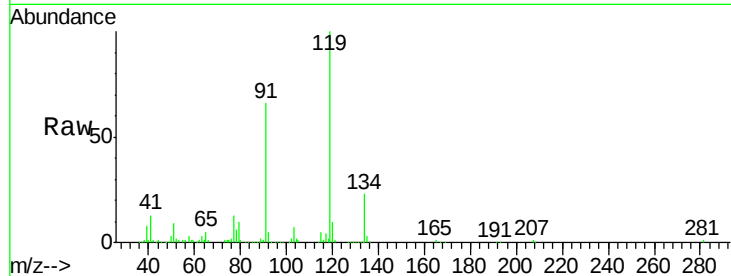
#79
tert-butylbenzene
Concen: 4.667 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	51921		
91	65.7	0.0	135.6	
134	23.9	0.0	51.0	

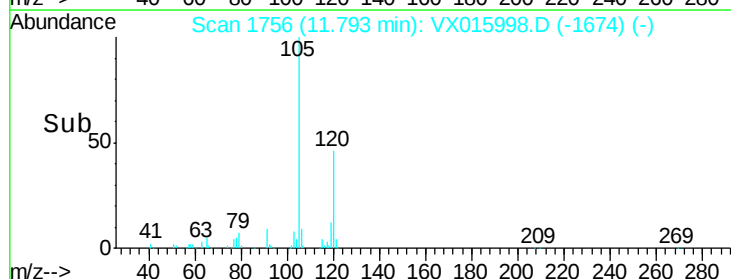
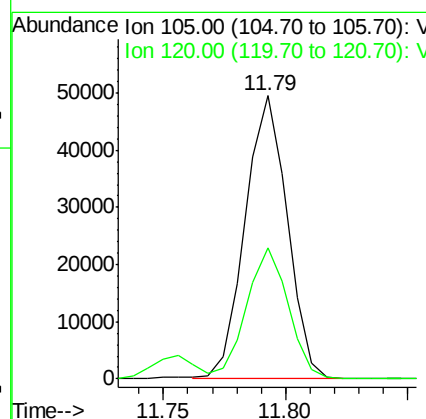
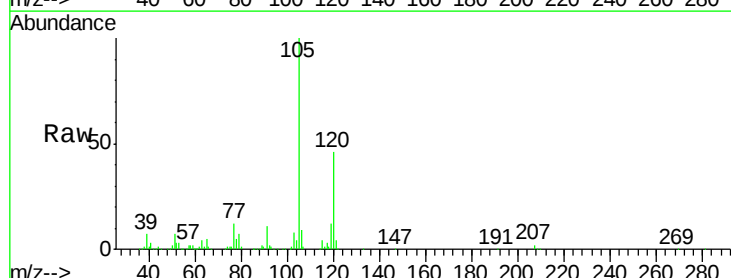
Manual Integrations
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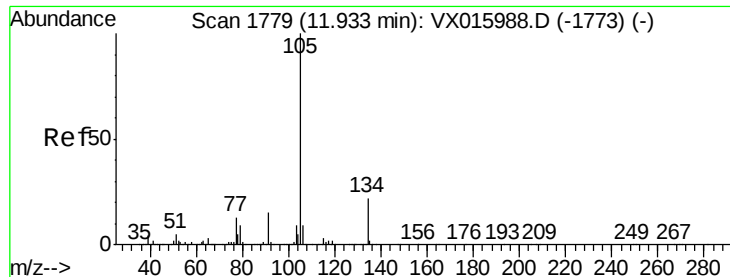
MMDadoda
5/4/2020 3:10:28 PM



#80
1,2,4-Trimethylbenzene
Concen: 4.575 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	59536		
120	45.8	0.0	91.0	





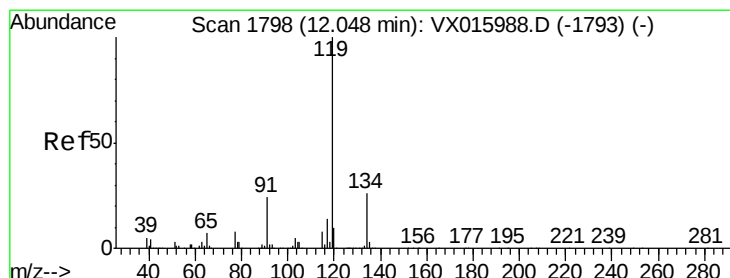
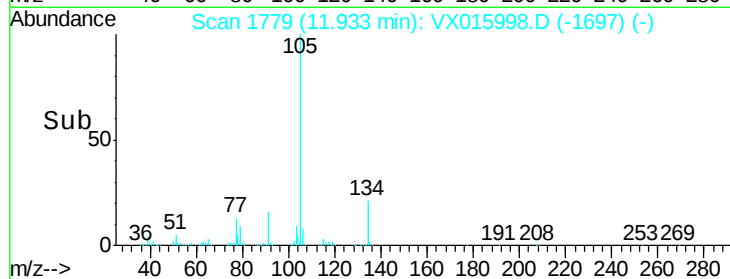
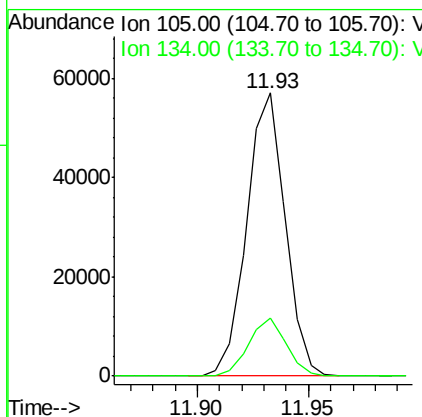
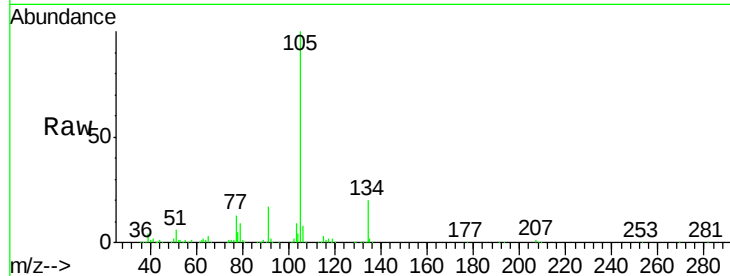
#81
 sec-Butylbenzene
 Concen: 4.599 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	69008		
134	19.9	0.0	41.2	

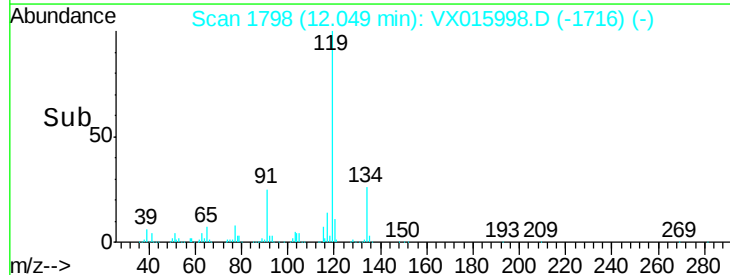
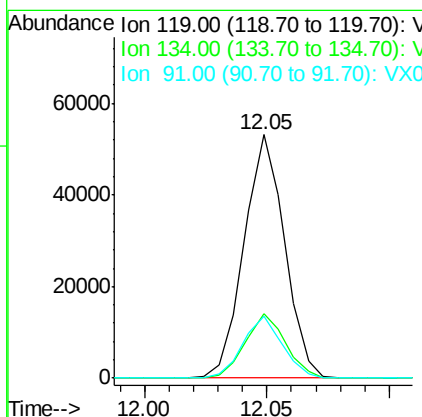
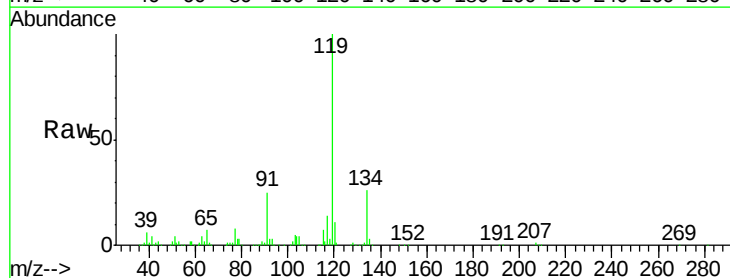
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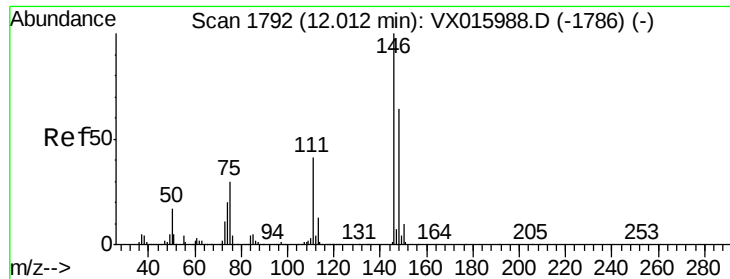
MMDadoda
 5/4/2020 3:10:28 PM



#82
 p-Isopropyltoluene
 Concen: 4.405 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	61248		
134	26.6	0.0	52.6	
91	25.1	0.0	47.6	





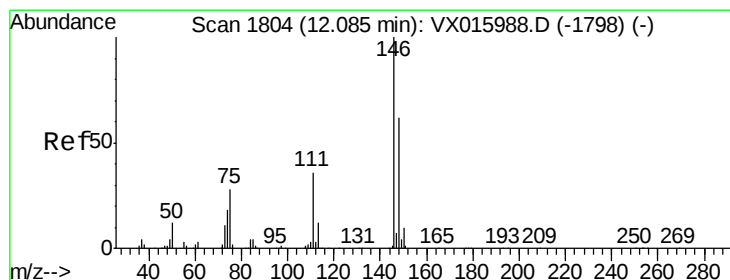
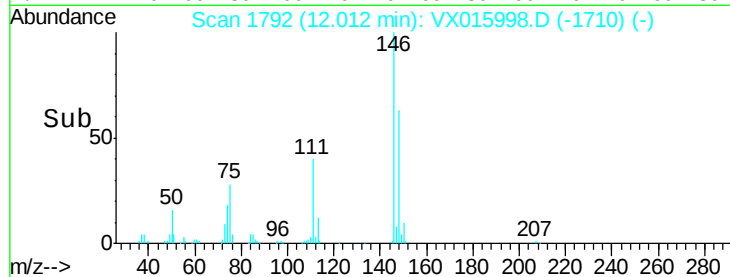
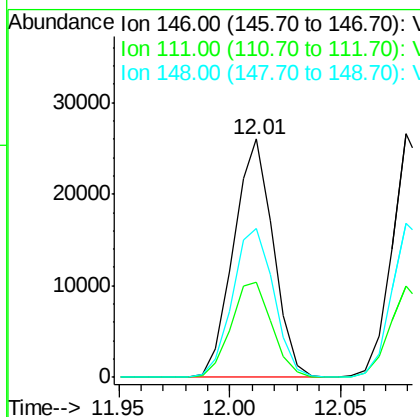
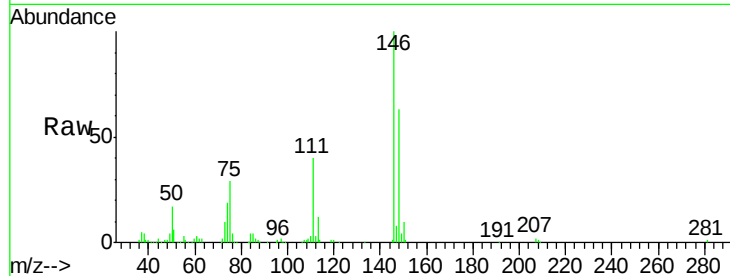
#83
 1,3-Dichlorobenzene
 Concen: 4.628 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	65.2	31.9	95.9

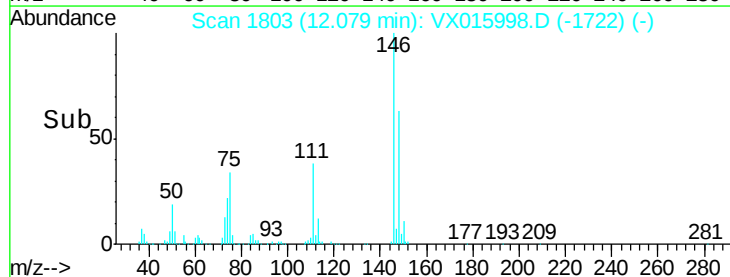
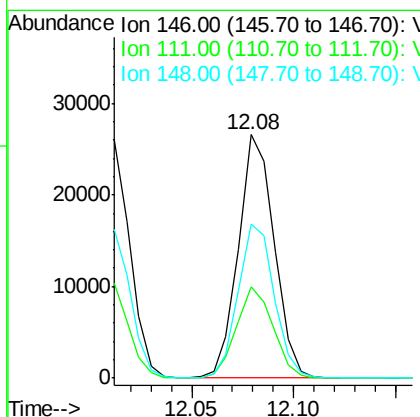
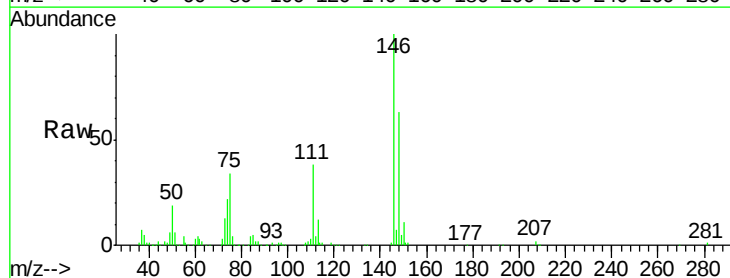
Manual Integrations
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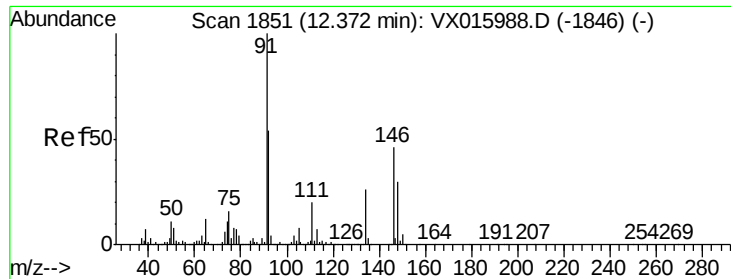
MMDadoda
 5/4/2020 3:10:28 PM



#84
 1,4-Dichlorobenzene
 Concen: 4.688 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX015998.D
 Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.0
148	64.1	32.0	96.0





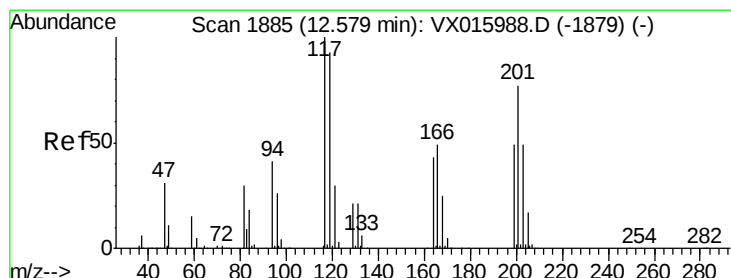
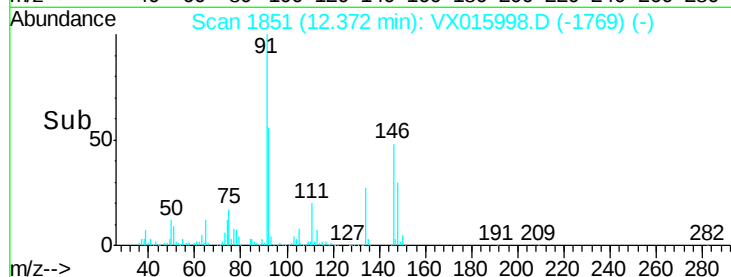
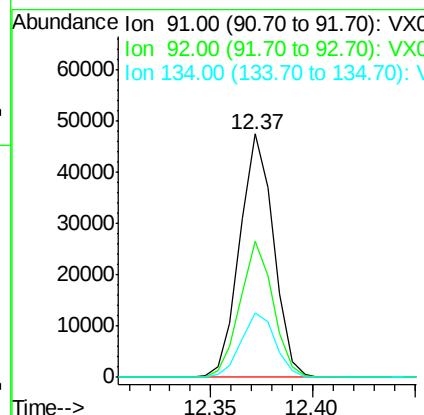
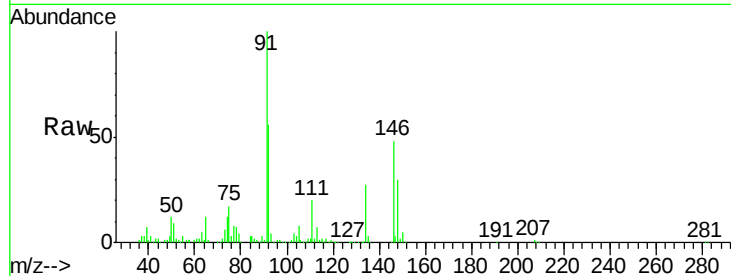
#85
n-Butylbenzene
Concen: 4.283 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	54399		
92	54.4		0.0	110.2
134	27.0		0.0	53.4

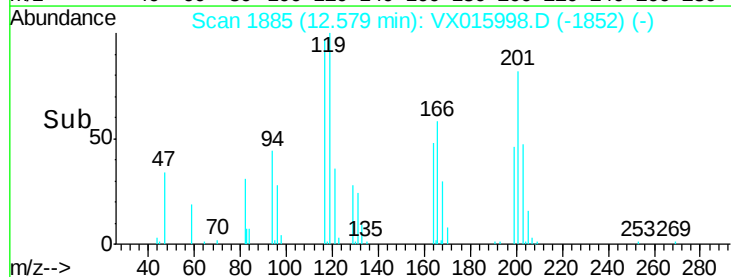
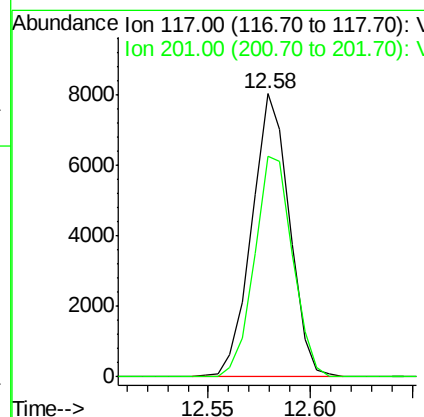
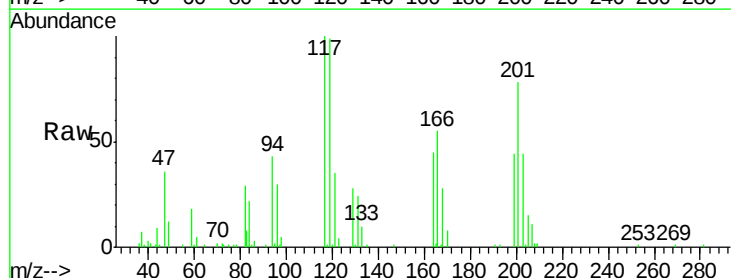
Manual Integrations
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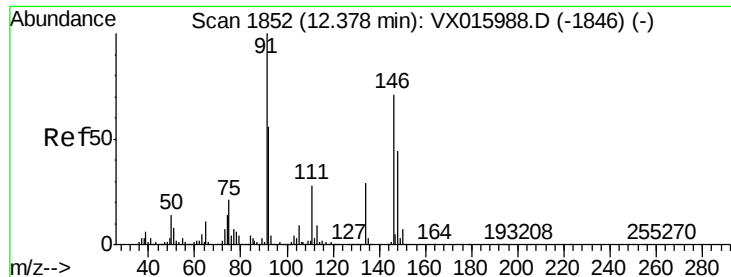
MMDadoda
5/4/2020 3:10:28 PM



#86
Hexachloroethane
Concen: 4.214 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	10314		
201	78.7		40.1	120.2





#87

1,2-Dichlorobenzene

Concen: 4.614 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Instrument :

MSVOA_X

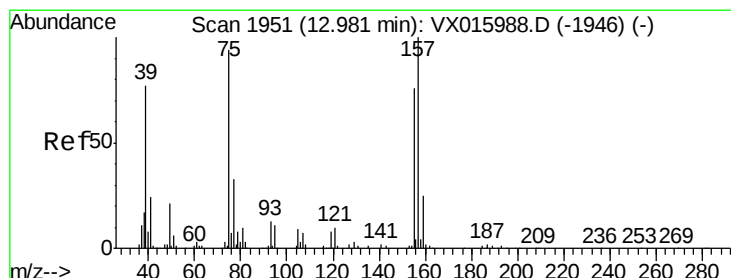
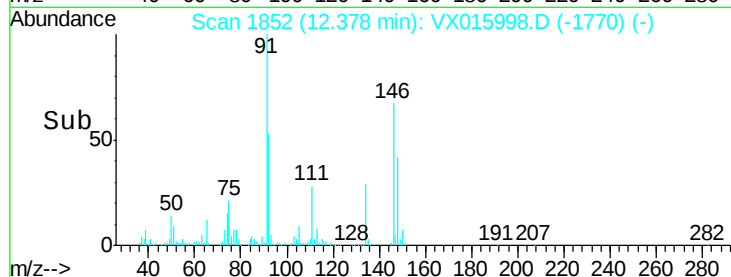
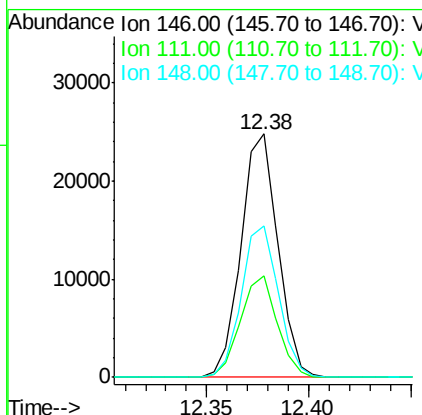
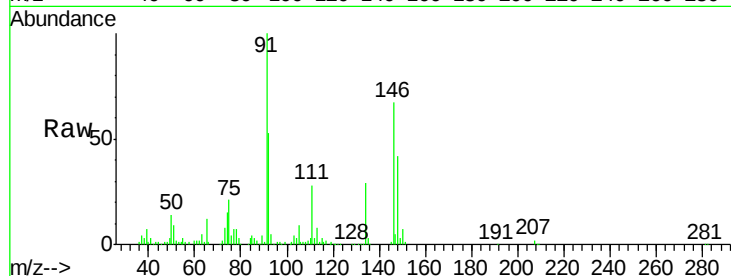
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	146	Resp:	31109
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.7	62.1
148	62.7	32.0	96.2

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#88

1,2-Dibromo-3-Chloropropane

Concen: 4.877 ug/l

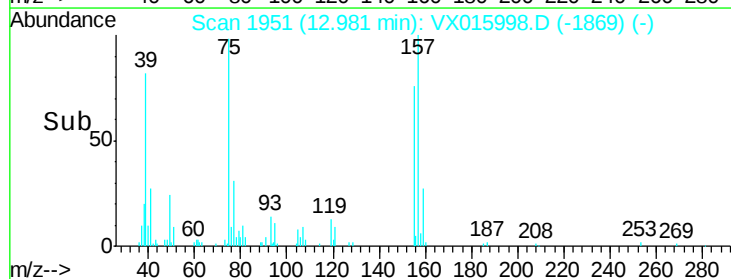
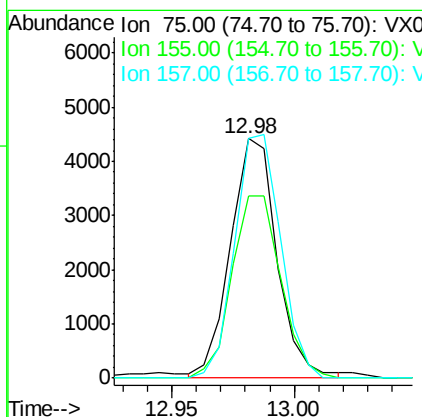
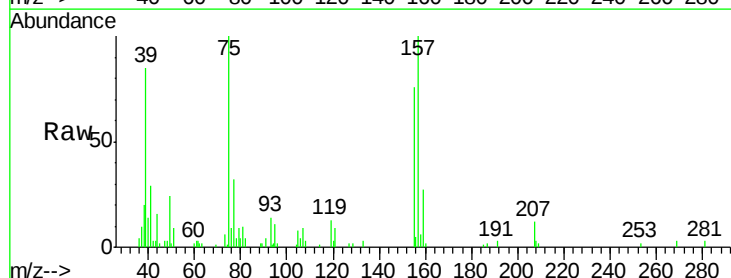
RT: 12.98 min Scan# 1951

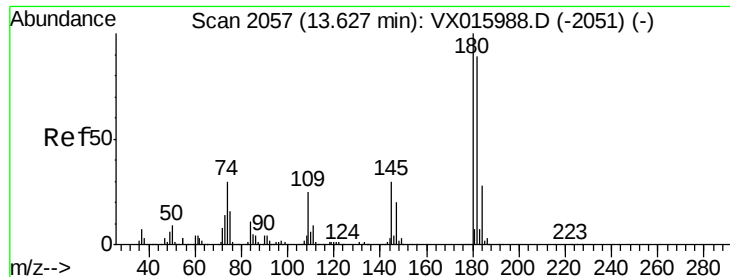
Delta R.T. 0.00 min

Lab File: VX015998.D

Acq: 30 Apr 2020 16:22

Tgt Ion:	75	Resp:	5822
Ion Ratio	Lower	Upper	
75	100		
155	80.4	66.9	100.3
157	100.4	88.2	132.2





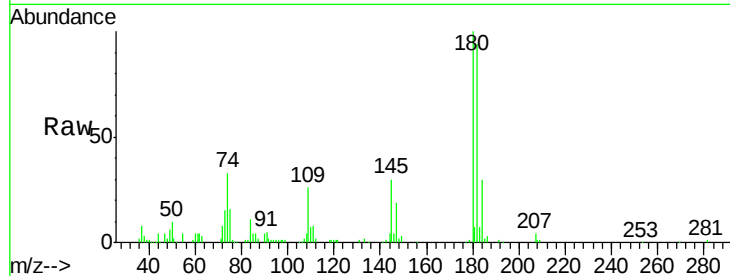
#89
1,2,4-Trichlorobenzene
Concen: 4.458 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

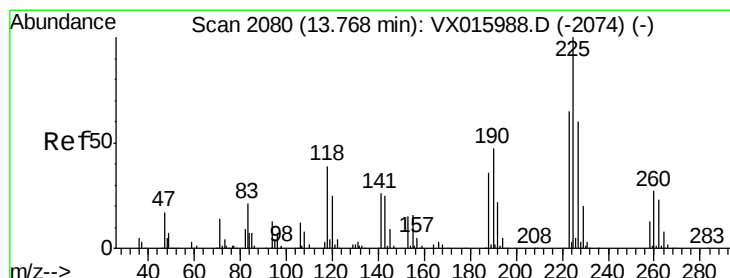
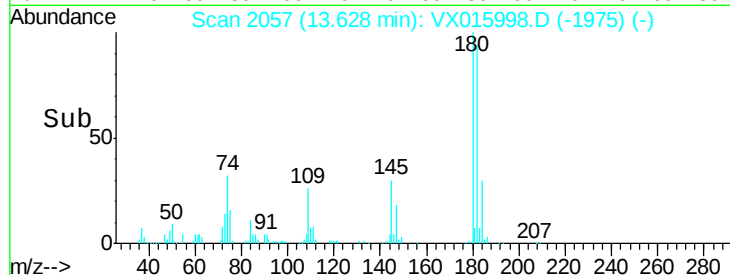
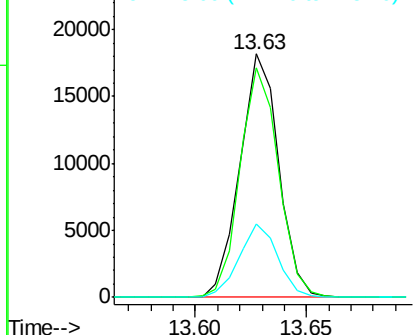
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.6
145	29.8	23.9	35.9

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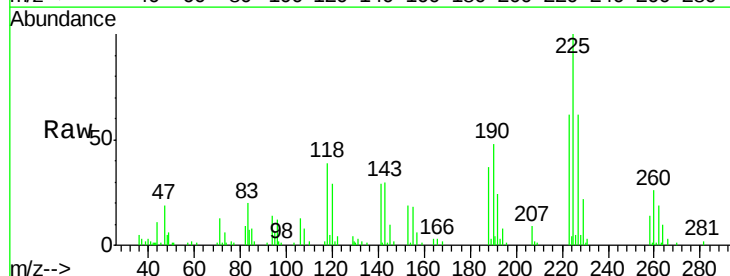


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

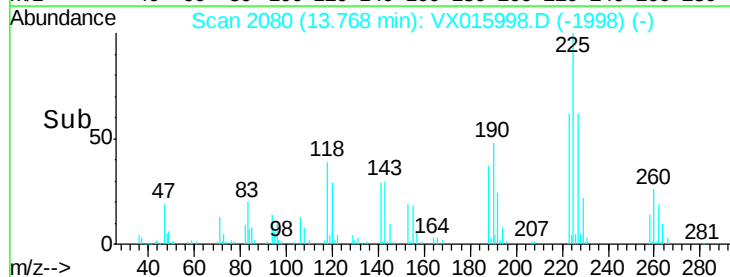
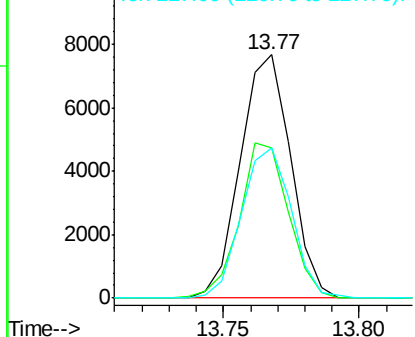


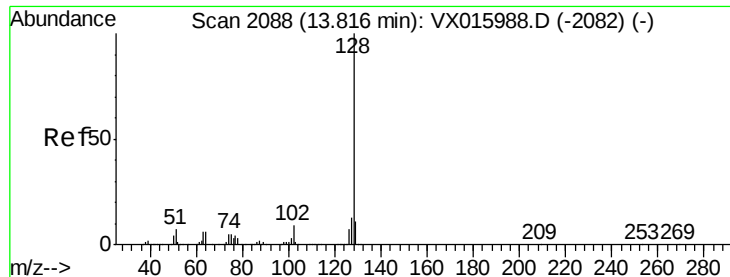
#90
Hexachlorobutadiene
Concen: 4.617 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	123.6
227	61.5	0.0	123.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





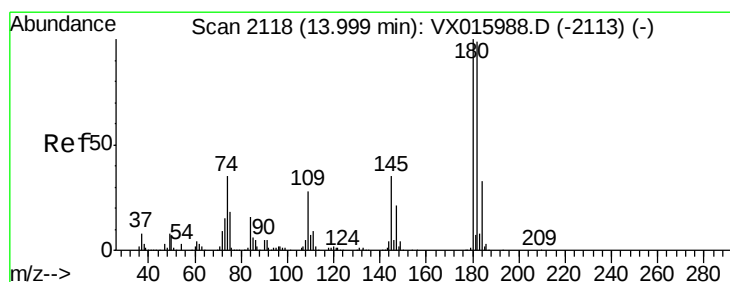
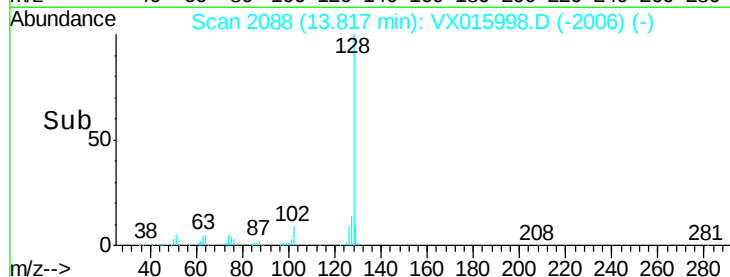
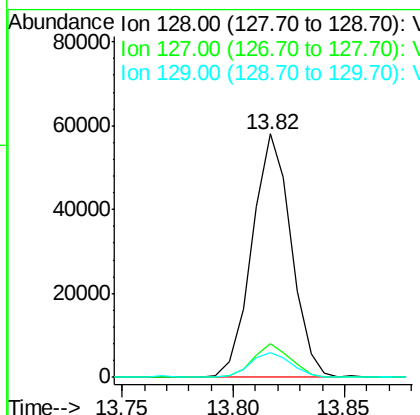
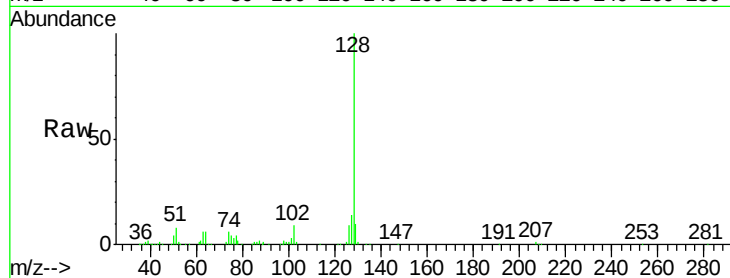
#91
Naphthalene
Concen: 4.502 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:28 PM



#92
1,2,3-Trichlorobenzene
Concen: 4.582 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX015998.D
Acq: 30 Apr 2020 16:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	197.2
145	32.9	0.0	66.0

