

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017360.D
 Acq On : 13 Jul 2020 17:59
 Operator : JC/SP
 Sample : L3216-08 5.0PPB LOQ
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:10 AM

Quant Time: Jul 14 03:43:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 03:17:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	311568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	492621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	468808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	249128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	210840	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
35) Dibromofluoromethane	5.46	113	172688	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	8.70	98	630021	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	11.12	95	242636	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	13470	5.109	ug/l	98
3) Chloromethane	1.31	50	16268	5.481	ug/l	99
4) Vinyl Chloride	1.39	62	14016	4.773	ug/l	99
5) Bromomethane	1.62	94	10339	5.409	ug/l	92
6) Chloroethane	1.71	64	9457	5.103	ug/l	94
7) Trichlorofluoromethane	1.92	101	24816	5.007	ug/l	96
8) Diethyl Ether	2.17	74	8452	4.825	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	14295	5.064	ug/l	96
10) Methyl Iodide	2.49	142	12183	3.557	ug/l #	97
11) Tert butyl alcohol	3.02	59	18413	27.948	ug/l	98
12) 1,1-Dichloroethene	2.36	96	15220	5.368	ug/l	89
13) Acrolein	2.28	56	7693	21.301	ug/l	94
14) Allyl chloride	2.71	41	25966	5.285	ug/l	97
15) Acrylonitrile	3.12	53	43553	27.270	ug/l	98
16) Acetone	2.42	43	36203	25.951	ug/l	98
17) Carbon Disulfide	2.55	76	42186	5.100	ug/l	100
18) Methyl Acetate	2.75	43	18548	5.383	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	50409	5.236	ug/l	100
20) Methylene Chloride	2.84	84	17947	5.273	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	16695	5.146	ug/l	94
22) Diisopropyl ether	3.82	45	51768	5.532	ug/l	97
23) Vinyl Acetate	3.78	43	215314	26.160	ug/l	97
24) 1,1-Dichloroethane	3.67	63	29581	5.378	ug/l	98
25) 2-Butanone	4.64	43	59726	26.955	ug/l	96
26) 2,2-Dichloropropane	4.56	77	25730	5.027	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	19582	5.505	ug/l	97
28) Bromochloromethane	4.98	49	14196	5.587	ug/l	99
29) Tetrahydrofuran	5.10	42	37518	26.157	ug/l	100
30) Chloroform	5.17	83	31352	5.298	ug/l	94
31) Cyclohexane	5.56	56	24527	5.447	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	29268	5.350	ug/l	98
36) 1,1-Dichloropropene	5.78	75	22903	5.055	ug/l	99
37) Ethyl Acetate	4.79	43	24229	5.170	ug/l	98
38) Carbon Tetrachloride	5.75	117	26286	4.955	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	24392	4.957	ug/l	96
40) Benzene	6.12	78	69162	5.311	ug/l	96
41) Methacrylonitrile	5.01	41	13259	5.271	ug/l	97
42) 1,2-Dichloroethane	6.17	62	26705	5.278	ug/l	97
43) Isopropyl Acetate	6.42	43	36759	4.909	ug/l	96
44) Trichloroethene	7.19	130	21061	5.295	ug/l	98
45) 1,2-Dichloropropane	7.49	63	17714	5.316	ug/l	98
46) Dibromomethane	7.64	93	12476	5.192	ug/l	95
47) Bromodichloromethane	7.88	83	24975	4.971	ug/l	99
48) Methyl methacrylate	7.75	41	18889	5.257	ug/l	96
49) 1,4-Dioxane	7.72	88	7725	105.055	ug/l #	92
51) 4-Methyl-2-Pentanone	8.62	43	115570	25.313	ug/l	99
52) Toluene	8.76	92	43462	5.201	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	26530	4.902	ug/l	96
54) cis-1,3-Dichloropropene	8.42	75	28504	4.938	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	18098	5.194	ug/l	96
56) Ethyl methacrylate	9.16	69	23118	4.673	ug/l	96
57) 1,3-Dichloropropane	9.35	76	30156	5.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	61704	24.564	ug/l	98
59) 2-Hexanone	9.47	43	85399	24.782	ug/l	97
60) Dibromochloromethane	9.56	129	20326	4.775	ug/l	99
61) 1,2-Dibromoethane	9.65	107	19363	5.108	ug/l	99
64) Tetrachloroethene	9.32	164	21347	5.261	ug/l	94
65) Chlorobenzene	10.12	112	50190	5.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	18959	4.998	ug/l	97
67) Ethyl Benzene	10.24	91	79963	5.042	ug/l	97
68) m/p-Xylenes	10.34	106	59555	9.869	ug/l	98
69) o-Xylene	10.68	106	28317	4.911	ug/l	99
70) Styrene	10.70	104	47364	4.785	ug/l	99
71) Bromoform	10.84	173	15814	4.941	ug/l #	100
73) Isopropylbenzene	11.00	105	77576	4.967	ug/l	98
74) N-amyl acetate	10.88	43	30366	4.859	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	26592	5.608	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	25689m	5.580	ug/l	
77) Bromobenzene	11.24	156	22359	5.027	ug/l	94
78) n-propylbenzene	11.34	91	89308	5.092	ug/l	98
79) 2-Chlorotoluene	11.40	91	55122	5.100	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	65998	4.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	8252	4.547	ug/l	96
82) 4-Chlorotoluene	11.49	91	64382	5.026	ug/l	97
83) tert-Butylbenzene	11.76	119	62081	4.844	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	64784	4.837	ug/l	100
85) sec-Butylbenzene	11.93	105	72637	4.841	ug/l	98
86) p-Isopropyltoluene	12.05	119	68927	4.855	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	41134	5.170	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	41080	5.110	ug/l	93
89) n-Butylbenzene	12.37	91	56182	4.640	ug/l	99
90) Hexachloroethane	12.58	117	13594	5.044	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	38731	5.180	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5963	4.766	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

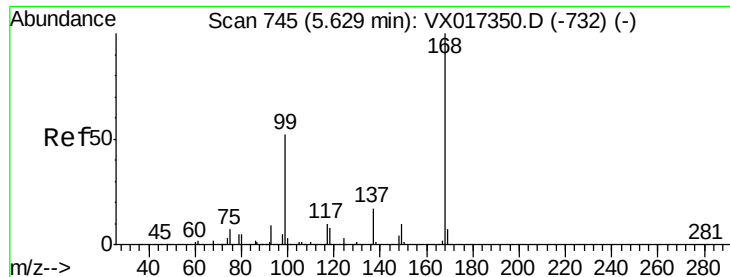
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	23895	4.604	ug/l	97
94) Hexachlorobutadiene	13.76	225	10956	5.176	ug/l	96
95) Naphthalene	13.82	128	66600	4.364	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	24014	4.789	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:168 Resp: 311568

Ion Ratio Lower Upper

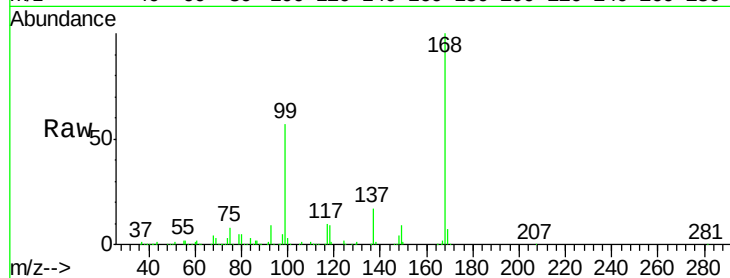
168 100

99 56.7 41.6 62.4

Manual Integrations
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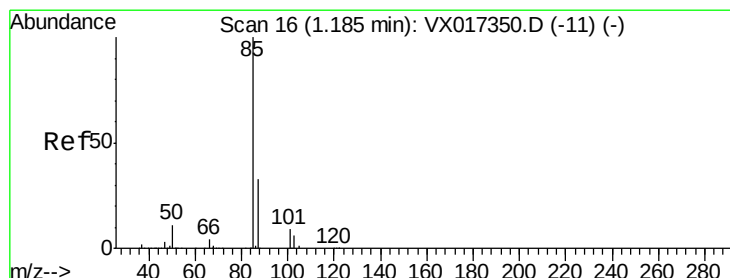
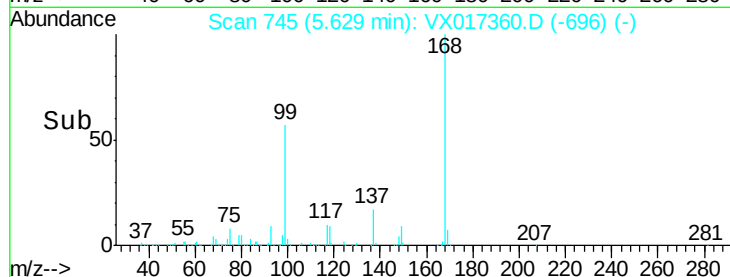
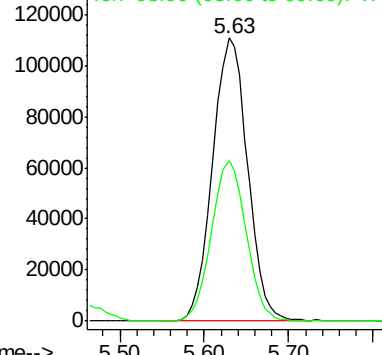
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 5.109 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017360.D

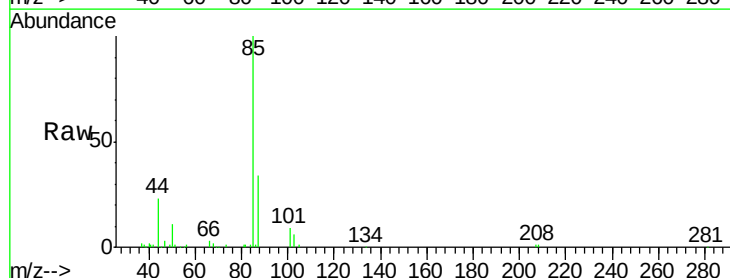
Acq: 13 Jul 2020 17:59

Tgt Ion: 85 Resp: 13470

Ion Ratio Lower Upper

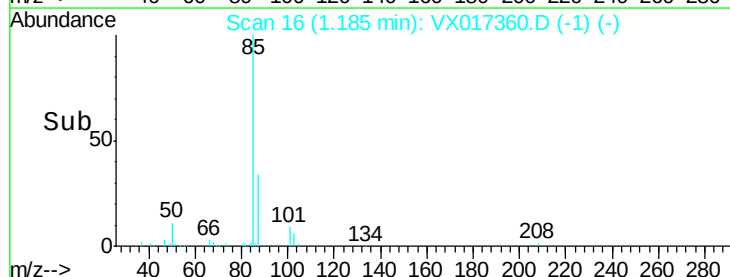
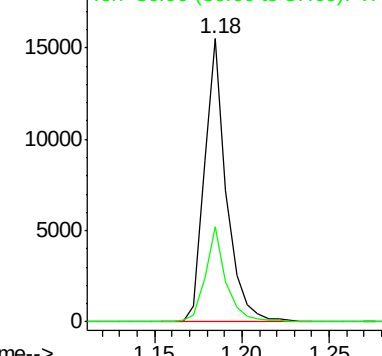
85 100

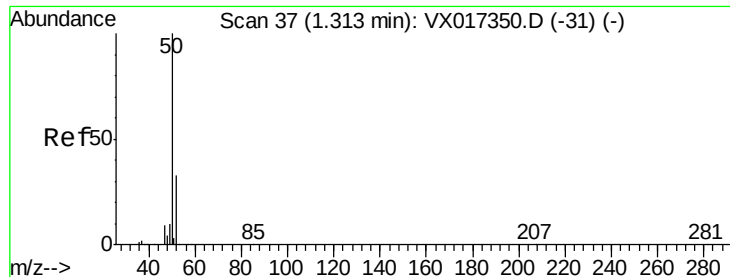
87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 5.481 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 50 Resp: 16268

Ion Ratio Lower Upper

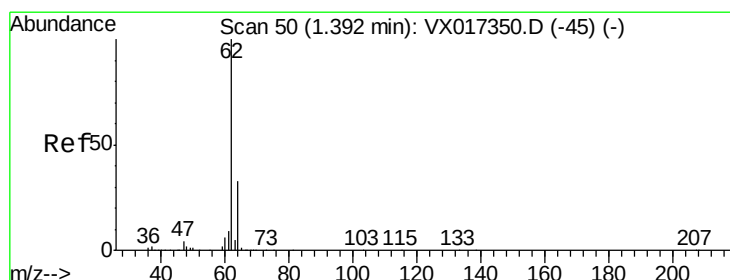
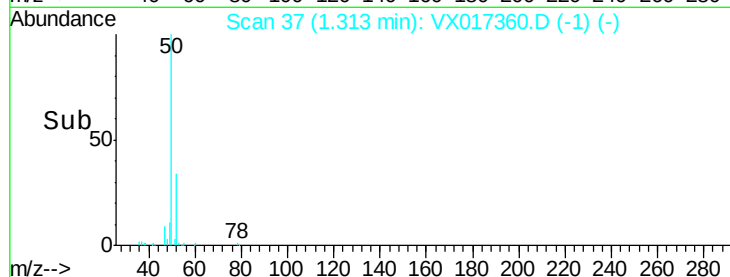
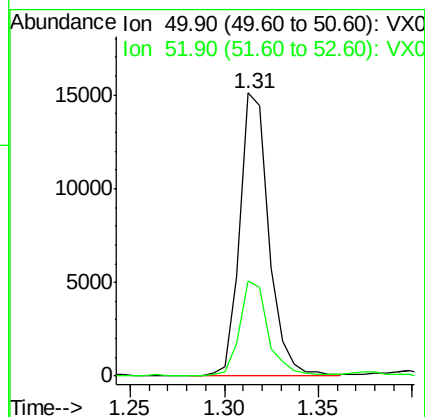
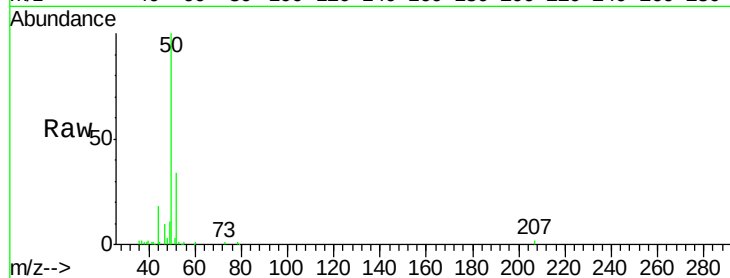
50 100

52 33.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 4.773 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017360.D

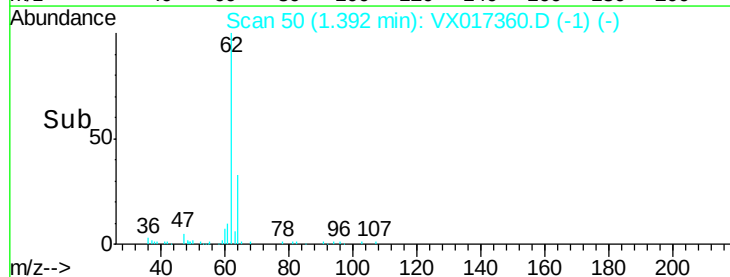
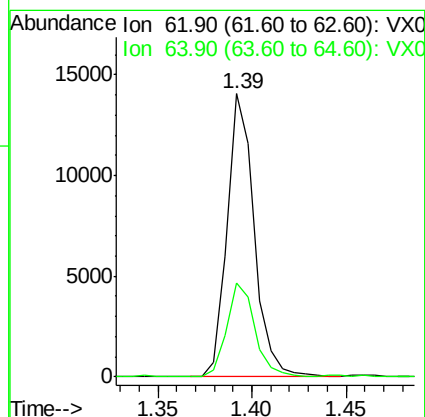
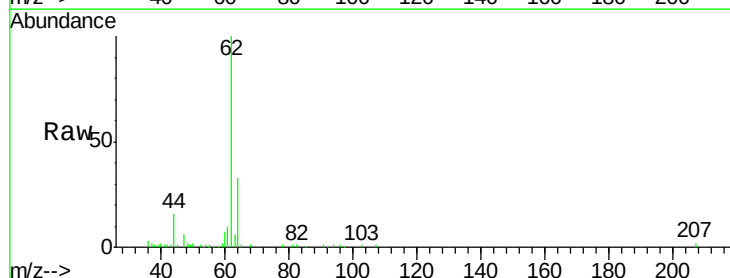
Acq: 13 Jul 2020 17:59

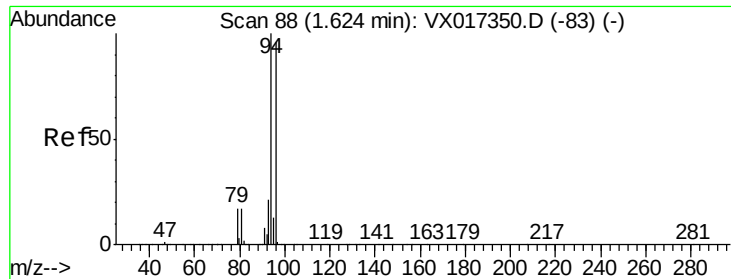
Tgt Ion: 62 Resp: 14016

Ion Ratio Lower Upper

62 100

64 33.2 26.3 39.5





#5

Bromomethane

Concen: 5.409 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 94 Resp: 10339

Ion Ratio Lower Upper

94 100

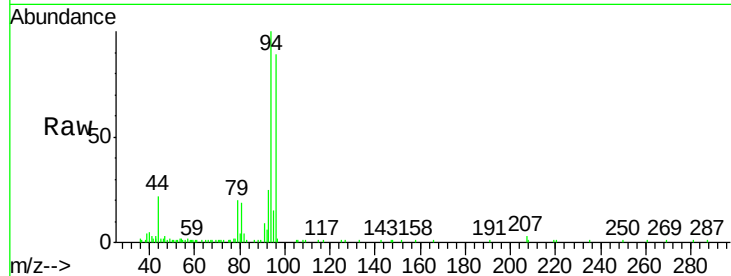
96 88.1 76.6 115.0

Manual Integrations

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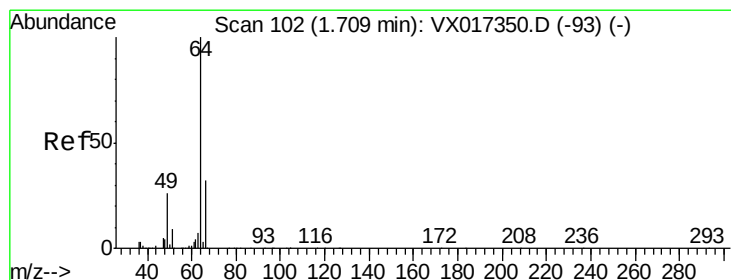
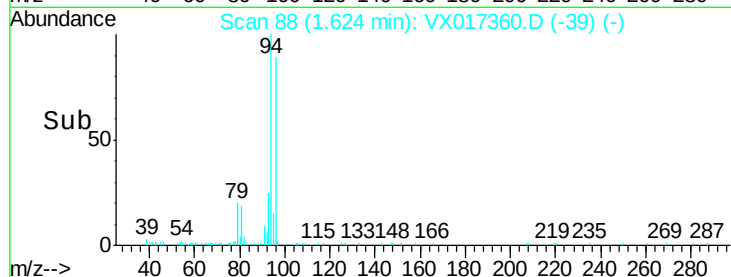
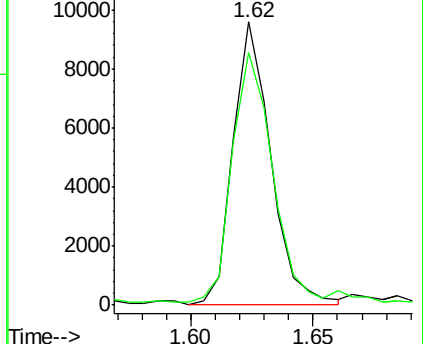
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 5.103 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017360.D

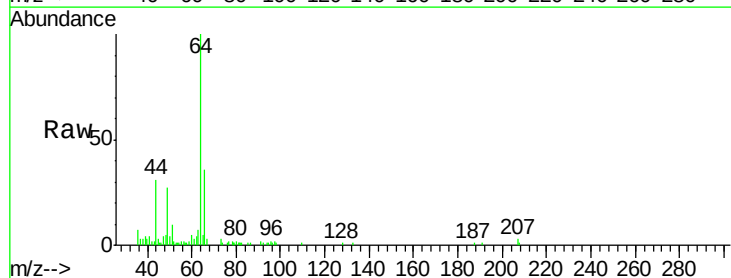
Acq: 13 Jul 2020 17:59

Tgt Ion: 64 Resp: 9457

Ion Ratio Lower Upper

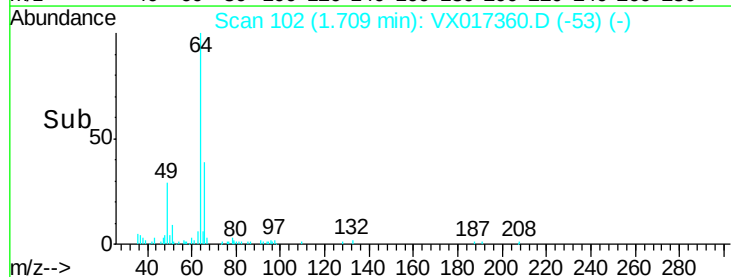
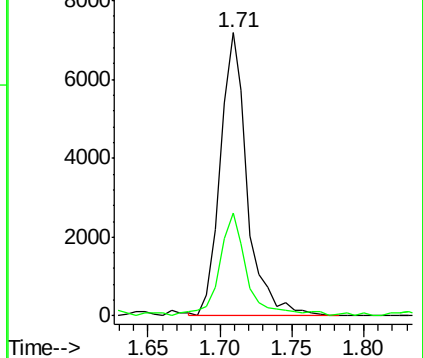
64 100

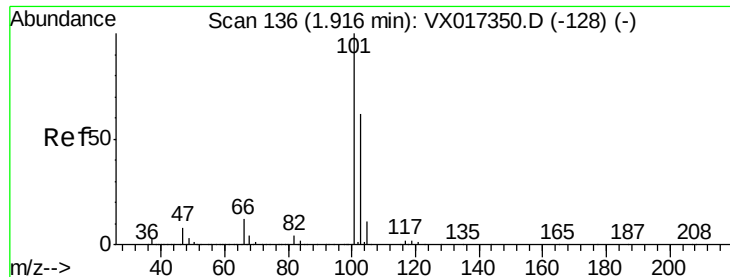
66 35.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

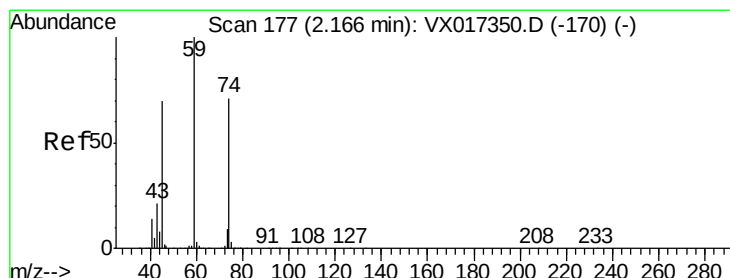
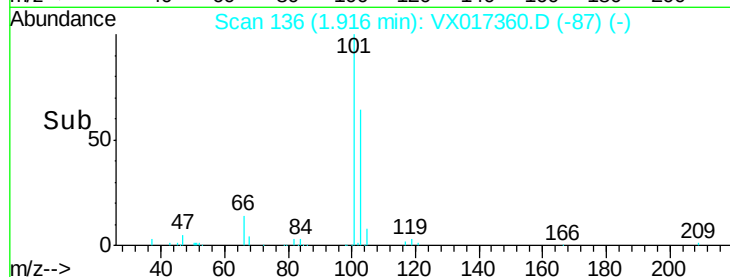
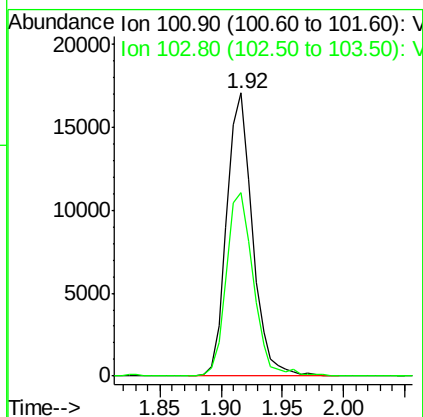
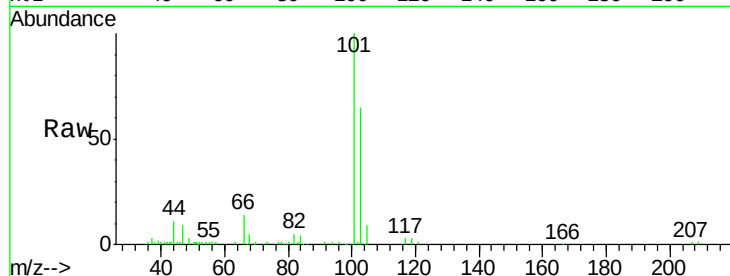
Trichlorofluoromethane
Concen: 5.007 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.6	74.4

Manual Integrations
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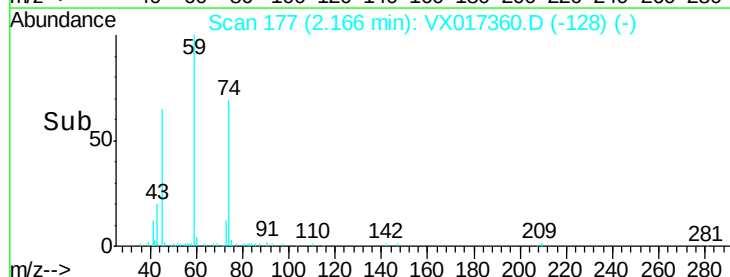
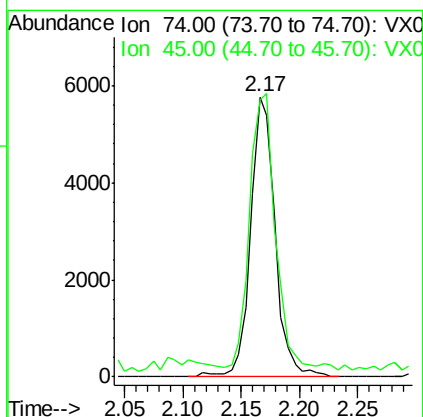
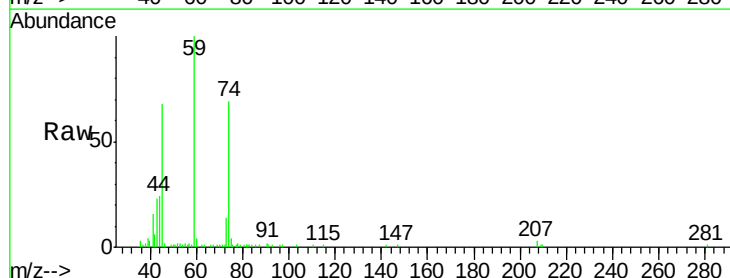
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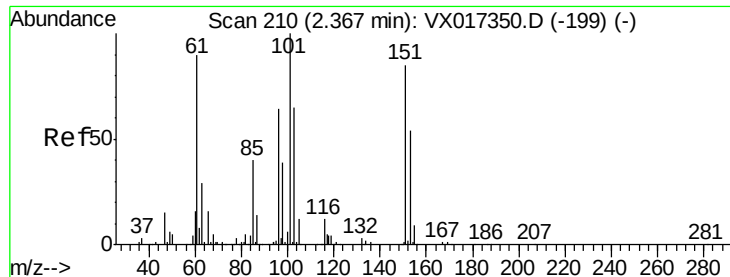


#8

Diethyl Ether
Concen: 4.825 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	47.2	141.6





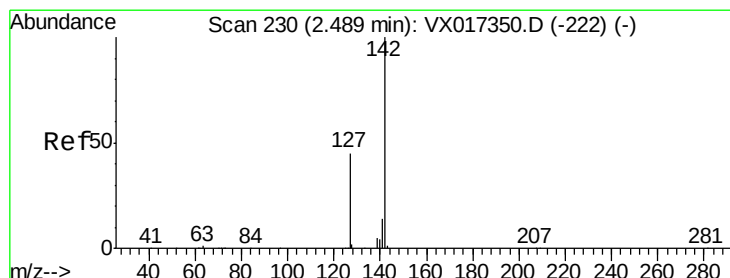
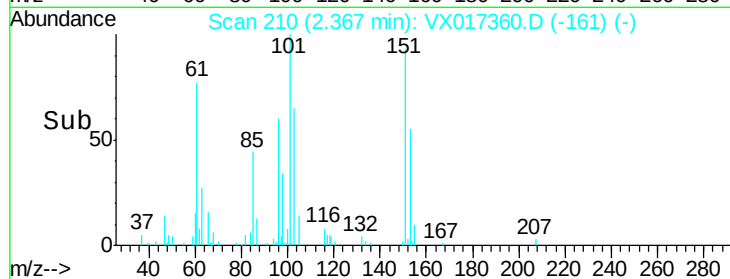
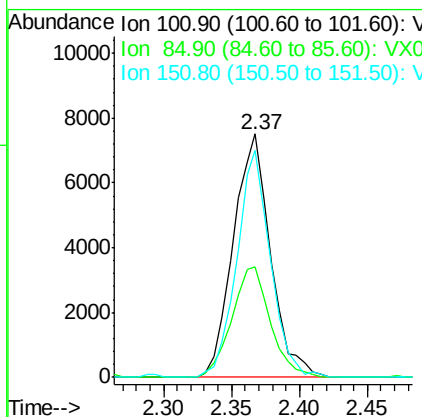
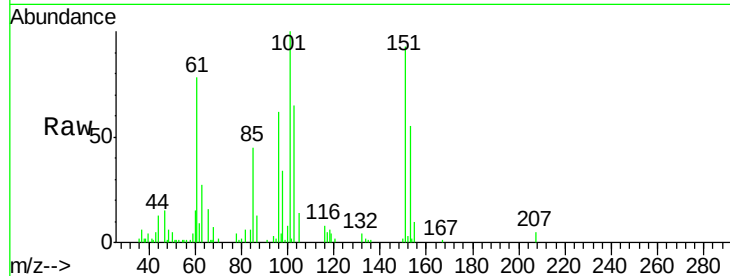
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.064 ug/l
 RT: 2.37 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	14295		
85	46.9		33.7	50.5
151	84.6		66.4	99.6

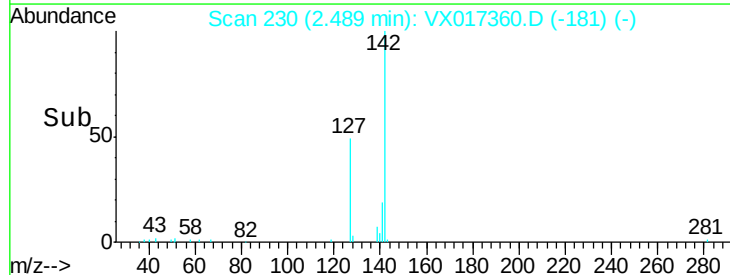
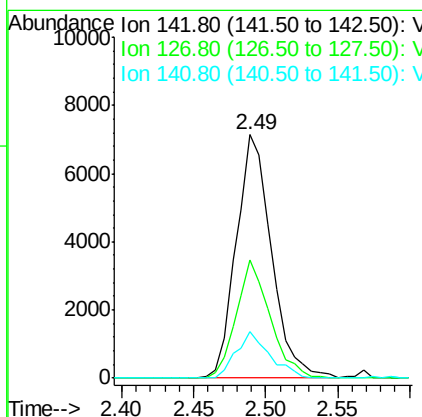
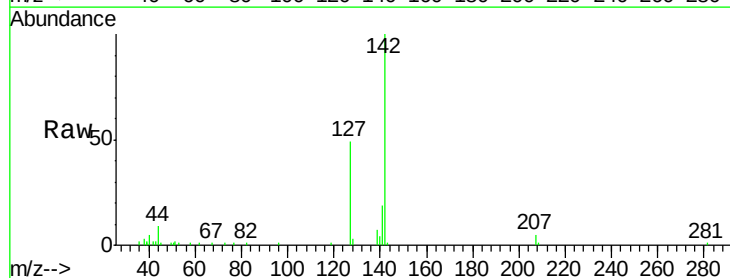
Manual Integrations
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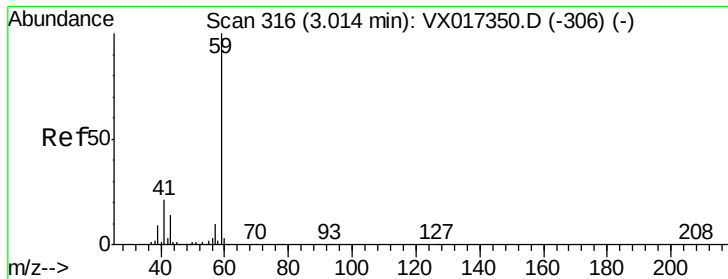
MMDadoda
 7/14/2020 11:36:10 AM



#10
 Methyl Iodide
 Concen: 3.557 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	12183		
127	47.0		36.8	55.2
141	18.0		11.4	17.0#





#11

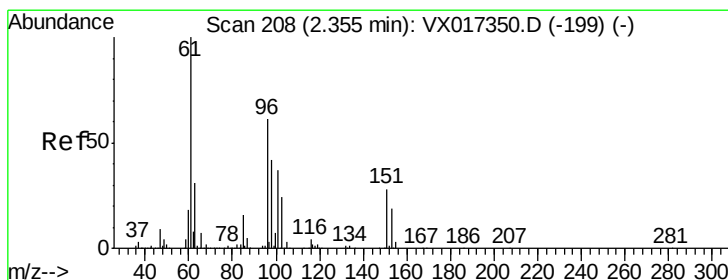
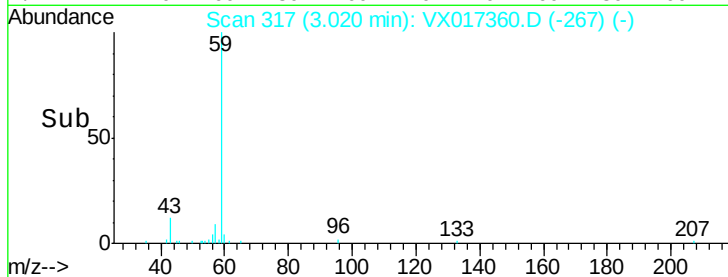
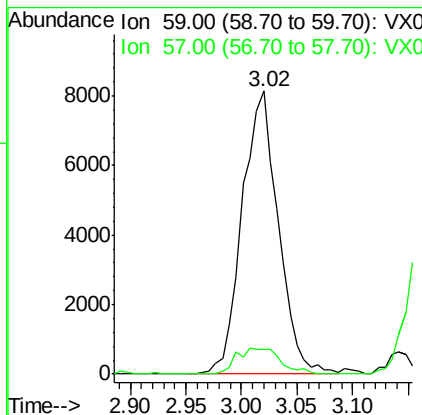
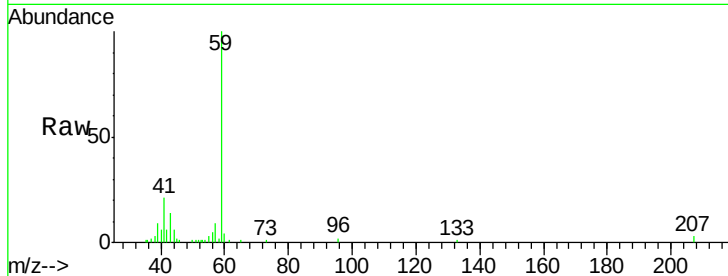
Tert butyl alcohol
Concen: 27.948 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	59.00	Resp	18413
Ion Ratio	100	Lower	Upper
59	100		
57	11.1	8.3	12.5

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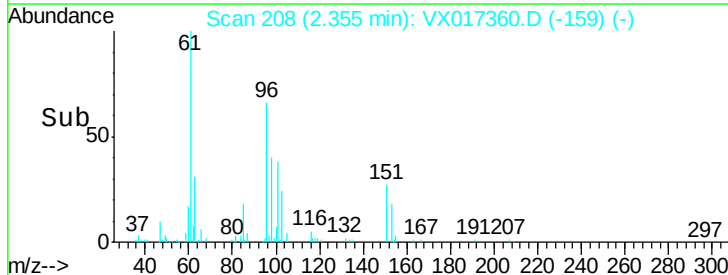
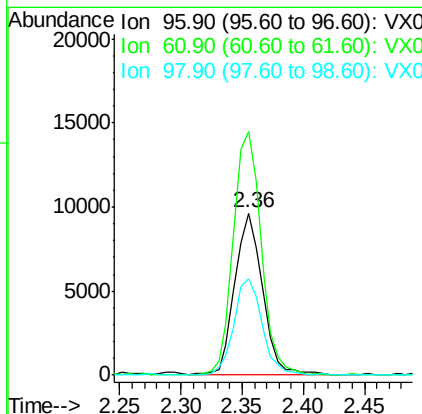
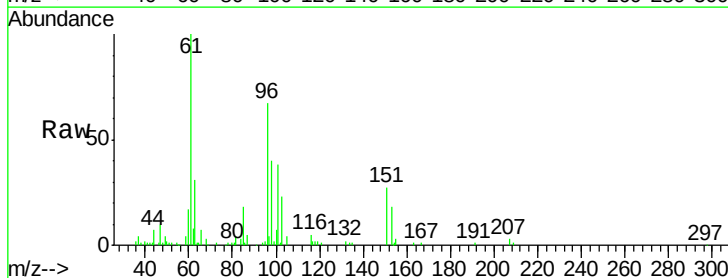
MMDadoda
7/14/2020 11:36:10 AM

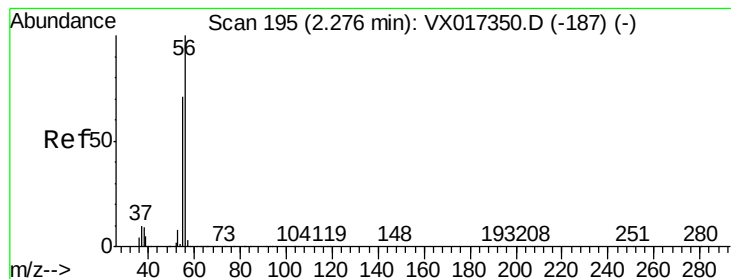


#12

1,1-Dichloroethene
Concen: 5.368 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	96	Resp	15220
Ion Ratio	100	Lower	Upper
96	100		
61	150.3	131.5	197.3
98	59.8	55.1	82.7





#13

Acrolein

Concen: 21.301 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 56 Resp: 7693

Ion Ratio Lower Upper

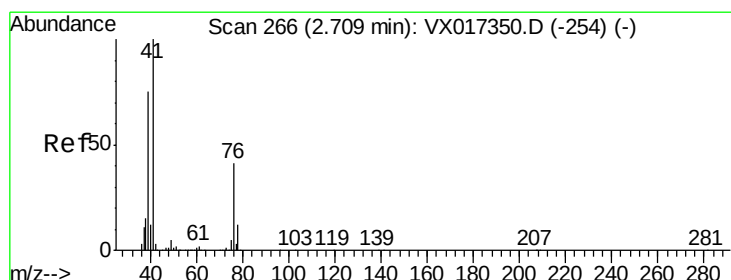
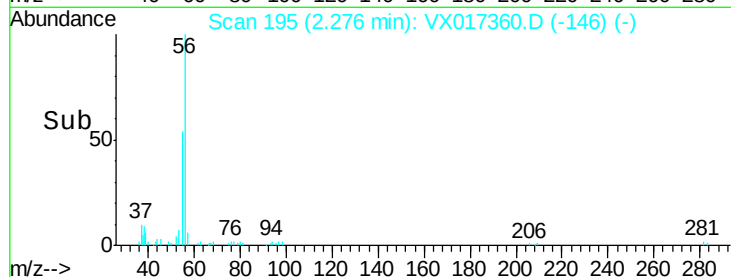
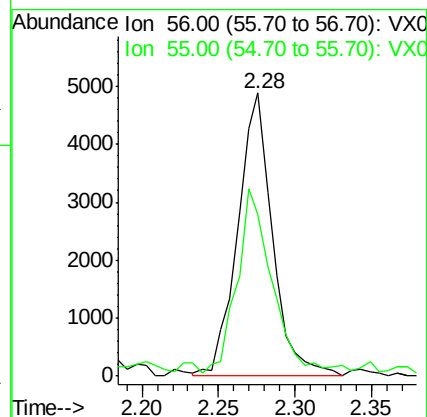
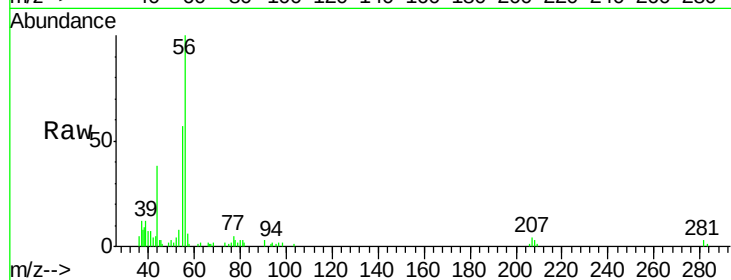
56 100

55 66.1 57.1 85.7

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#14

Allyl chloride

Concen: 5.285 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

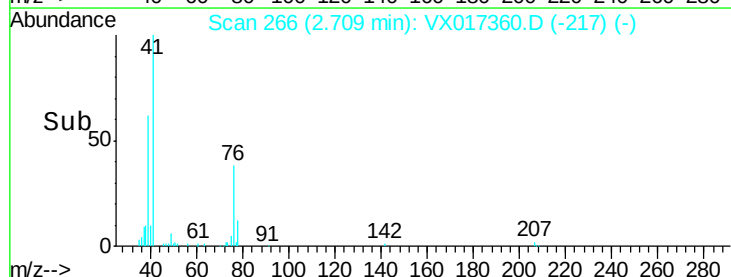
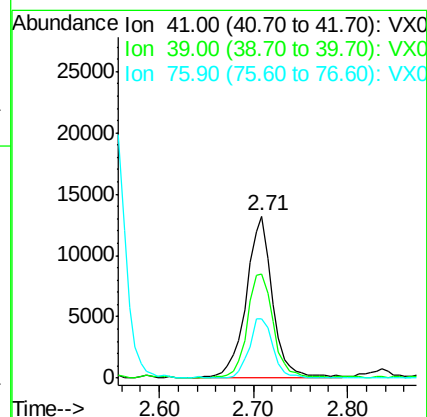
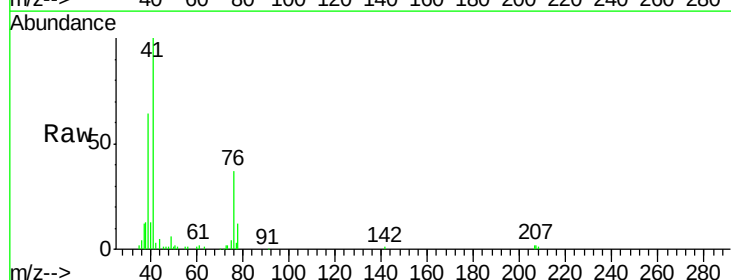
Tgt Ion: 41 Resp: 25966

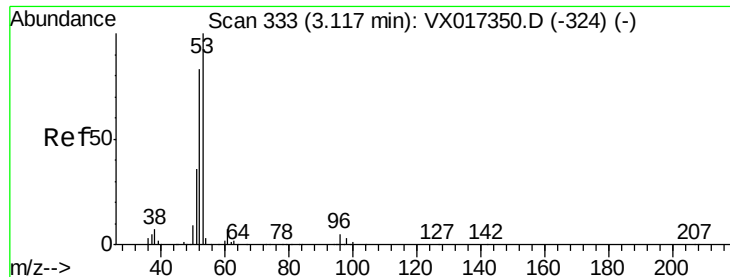
Ion Ratio Lower Upper

41 100

39 64.2 53.0 79.4

76 33.4 28.2 42.2





#15

Acrylonitrile

Concen: 27.270 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

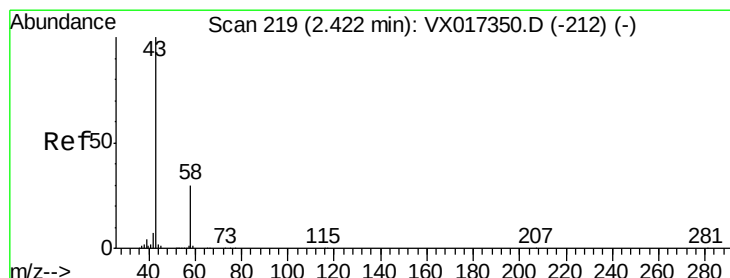
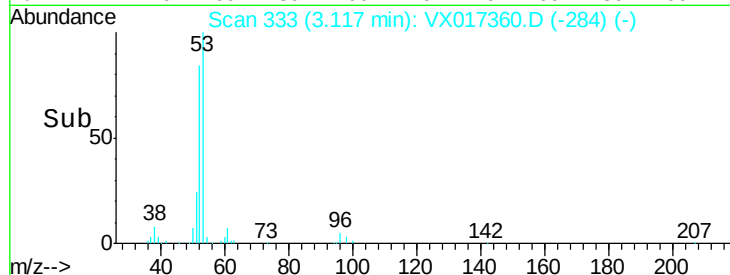
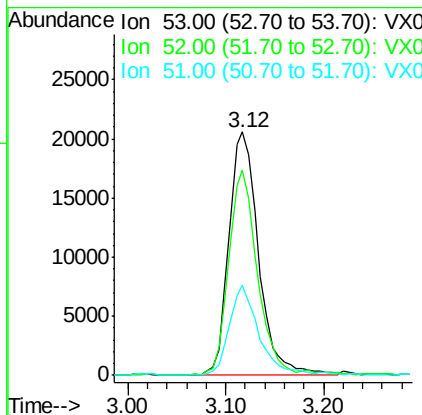
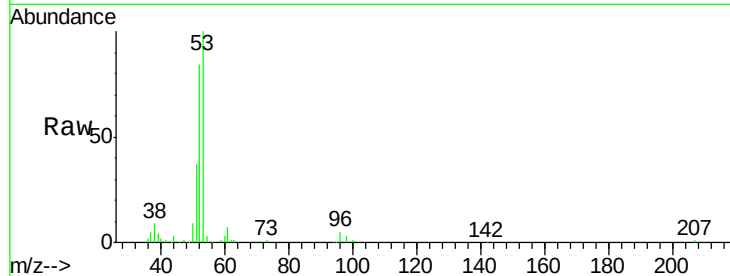
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	53	Resp:	43553
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.8	98.6
51	37.2	29.2	43.8

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#16

Acetone

Concen: 25.951 ug/l

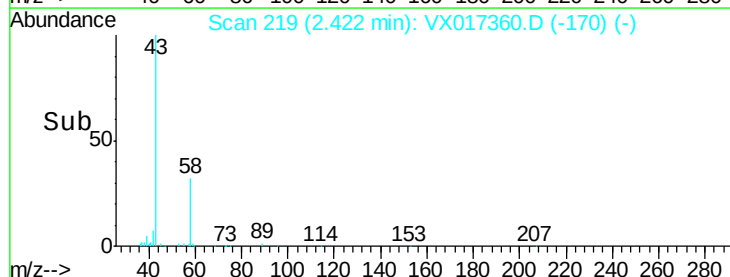
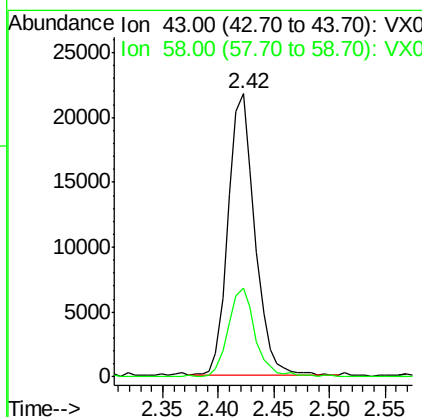
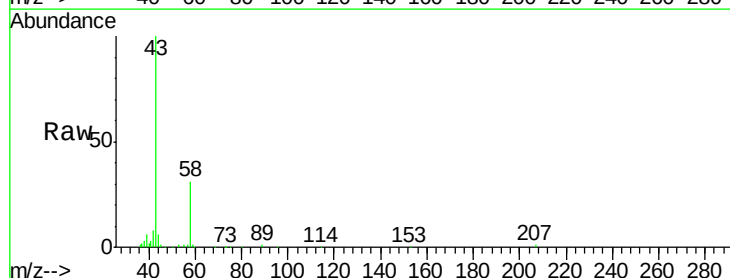
RT: 2.42 min Scan# 219

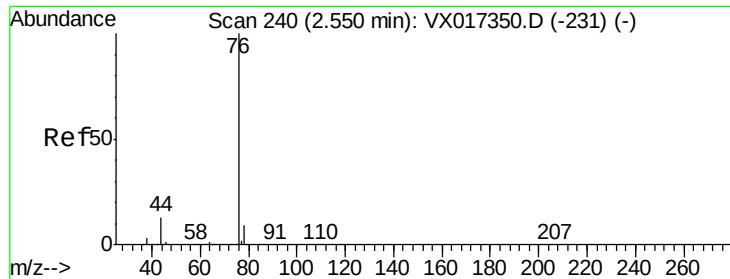
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion:	43	Resp:	36203
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.2	36.2





#17

Carbon Disulfide

Concen: 5.100 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 76 Resp: 42186

Ion Ratio Lower Upper

76 100

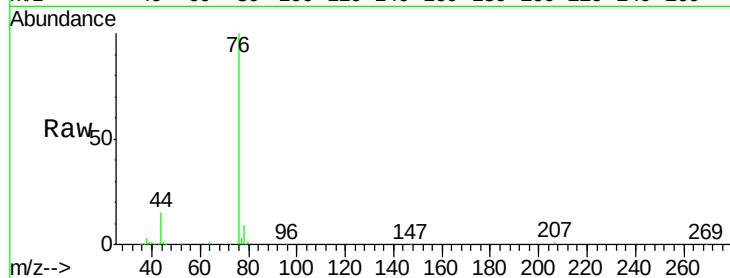
78 9.0 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

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2.55

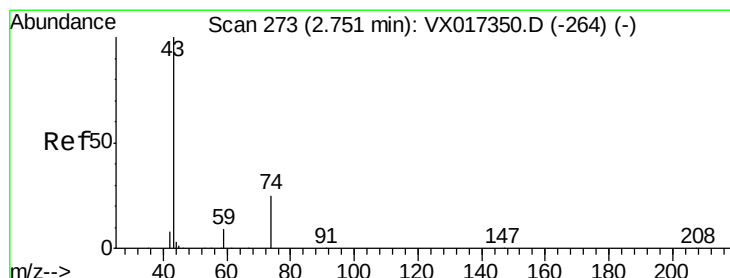
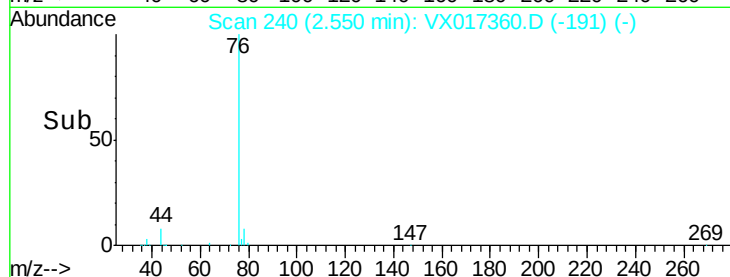
2.55

2.55

2.55

2.55

2.55



#18

Methyl Acetate

Concen: 5.383 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017360.D

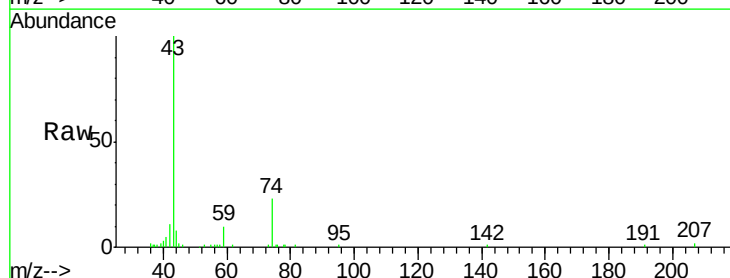
Acq: 13 Jul 2020 17:59

Tgt Ion: 43 Resp: 18548

Ion Ratio Lower Upper

43 100

74 23.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

2.75

2.75

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2.75

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2.75

2.75

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2.75

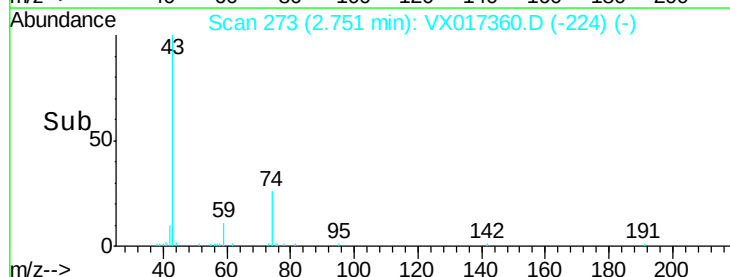
2.75

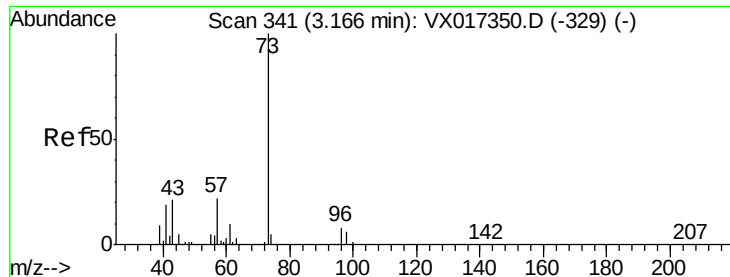
2.75

2.75

2.75

2.75





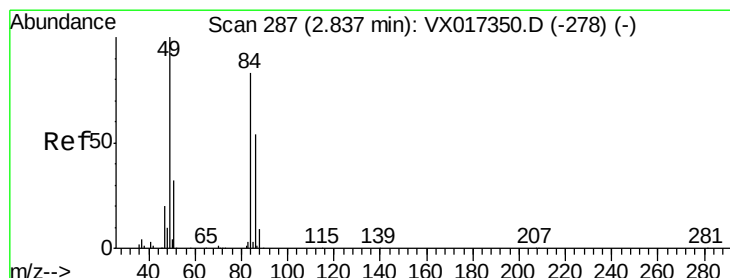
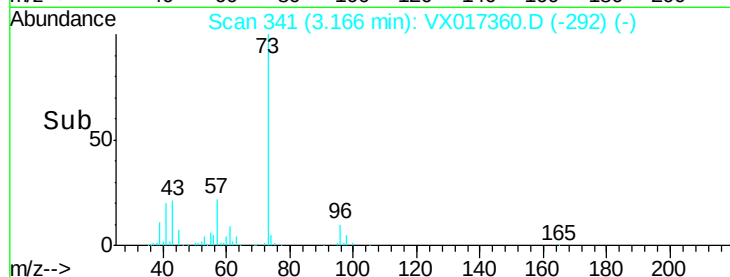
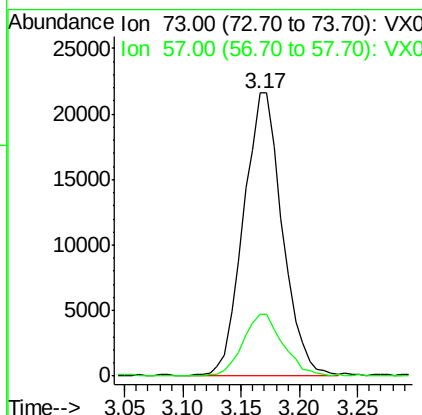
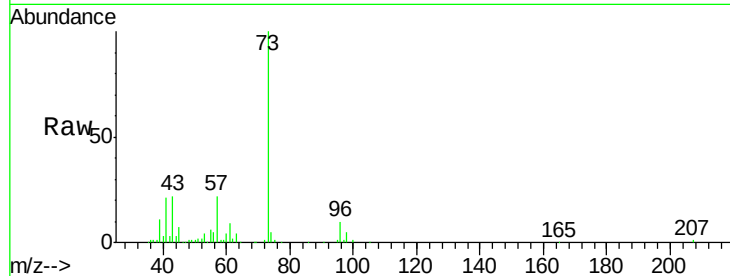
#19
Methyl tert-butyl Ether
Concen: 5.236 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 73 Resp: 50409
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3

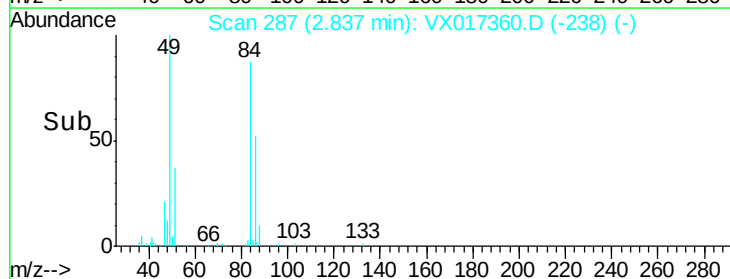
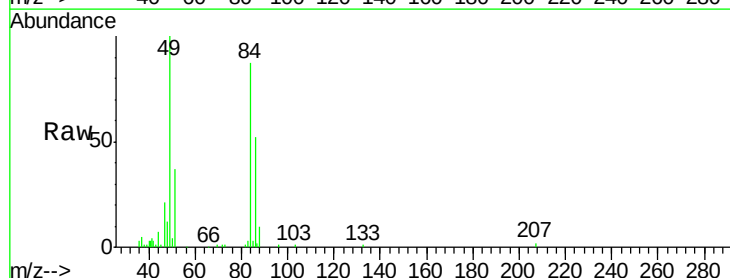
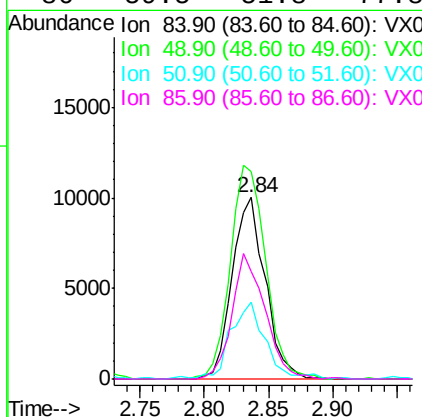
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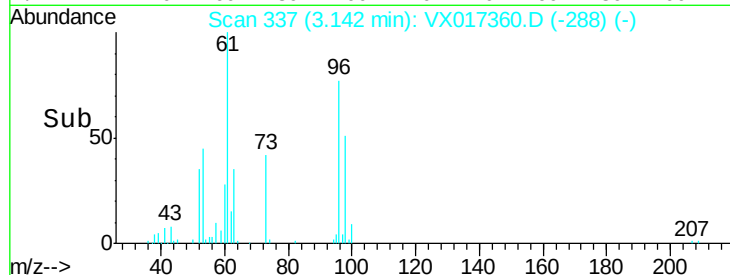
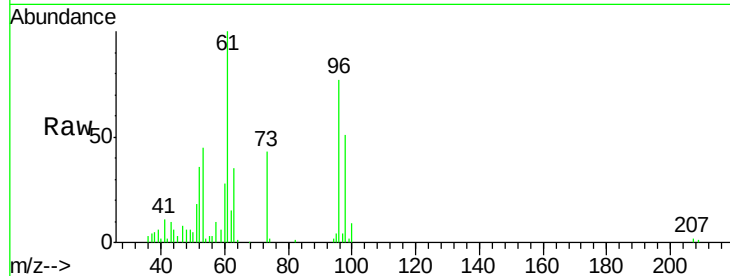
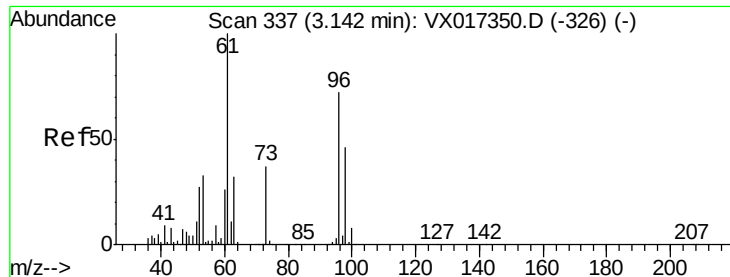
MMDadoda
7/14/2020 11:36:10 AM



#20
Methylene Chloride
Concen: 5.273 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion: 84 Resp: 17947
Ion Ratio Lower Upper
84 100
49 114.4 95.8 143.8
51 41.9 31.0 46.4
86 59.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 5.146 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017360.D

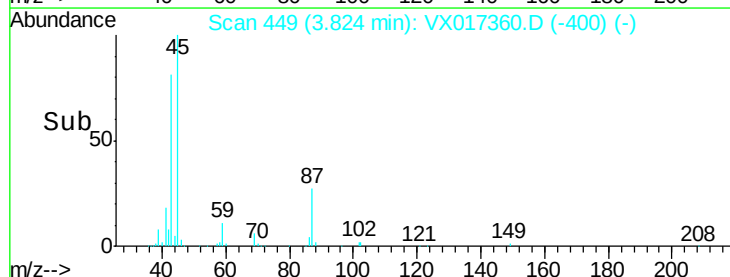
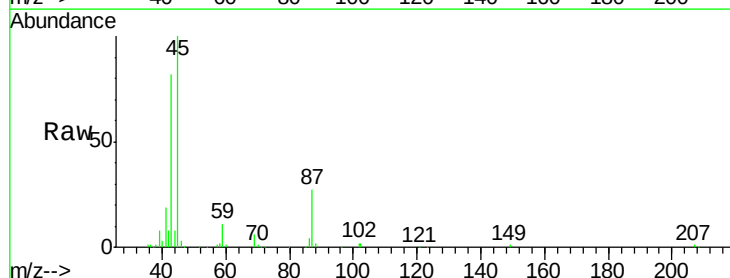
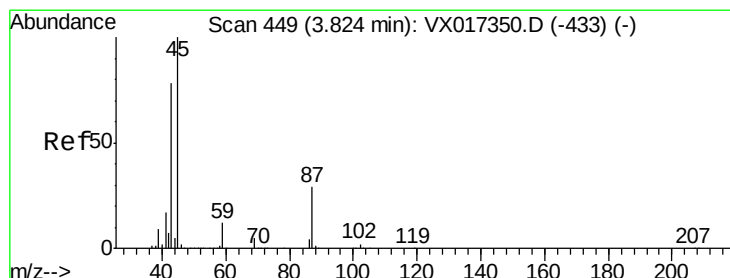
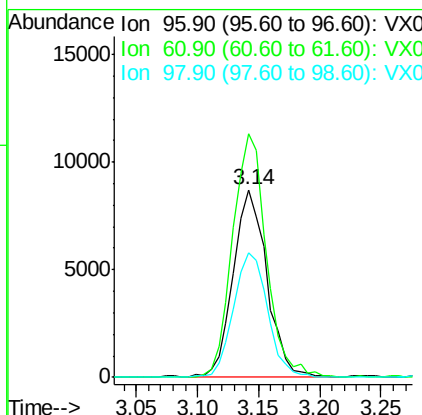
Acq: 13 Jul 2020 17:59

Tot Ion:	96	Resp:	16695
Ion	Ratio	Lower	Upper
96	100		
61	130.0	111.1	166.7
98	66.6	51.4	77.0

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Manual Integrations
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7/14/2020 11:36:10 AM



#22

Diisopropyl ether

Concen: 5.532 ug/l

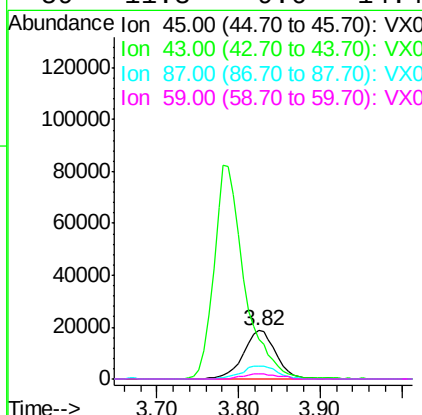
RT: 3.82 min Scan# 449

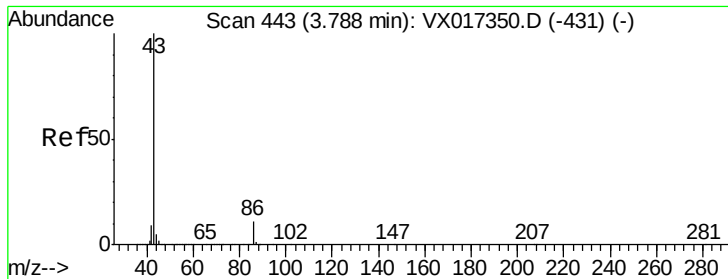
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion:	45	Resp:	51768
Ion	Ratio	Lower	Upper
45	100		
43	80.7	62.2	93.2
87	27.2	23.0	34.6
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 26.160 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 215314

Ion Ratio Lower Upper

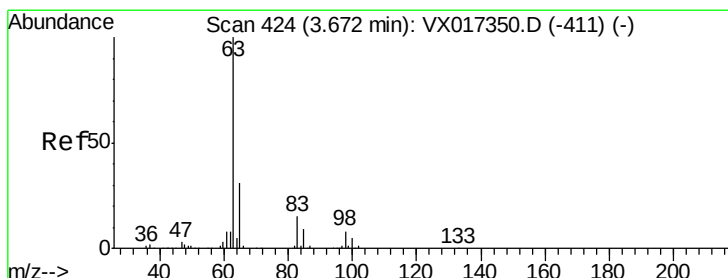
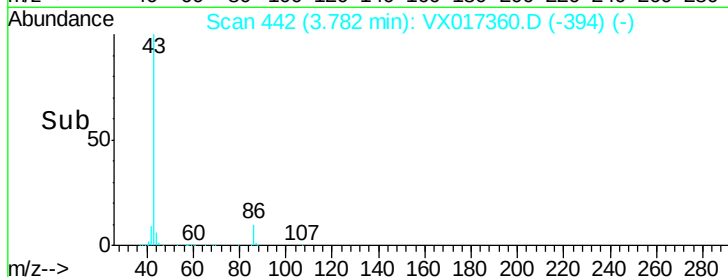
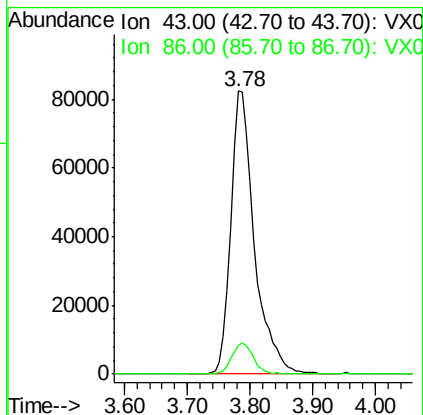
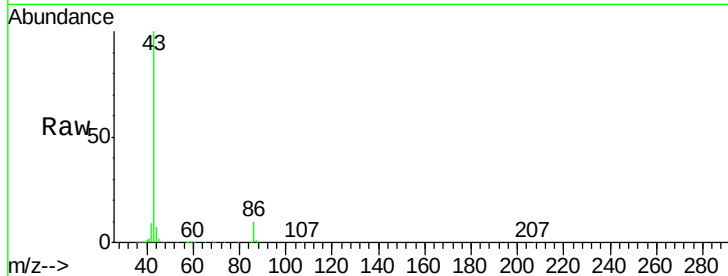
43 100

86 10.1 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 5.378 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

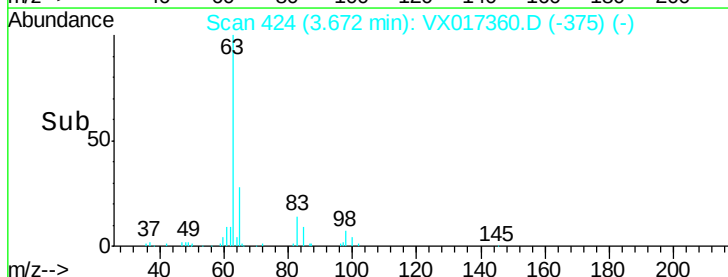
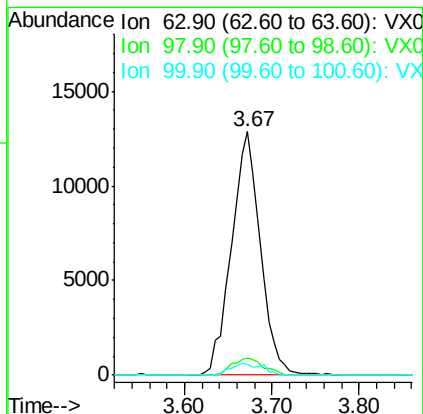
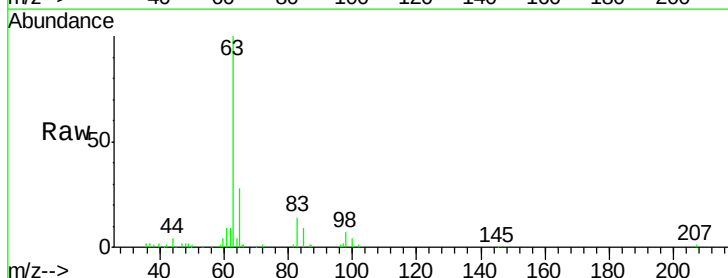
Tgt Ion: 63 Resp: 29581

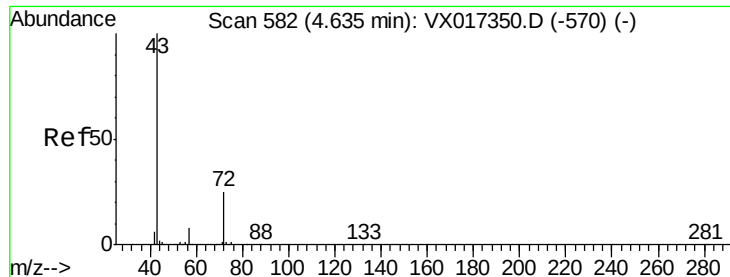
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 4.4 2.5 7.5





#25

2-Butanone

Concen: 26.955 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 59726

Ion Ratio Lower Upper

43 100

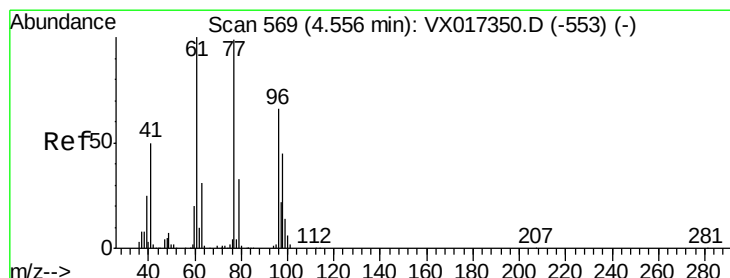
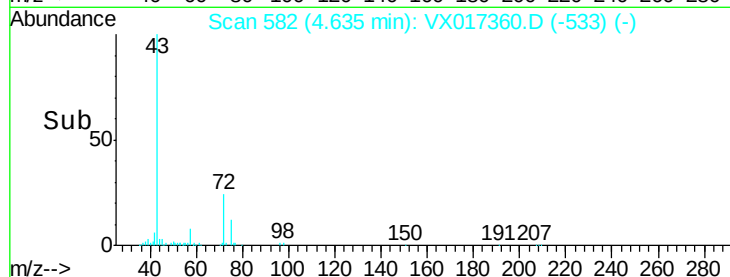
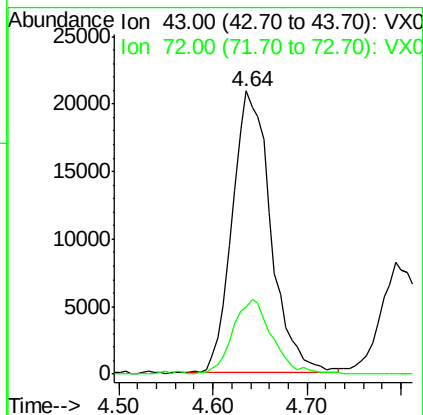
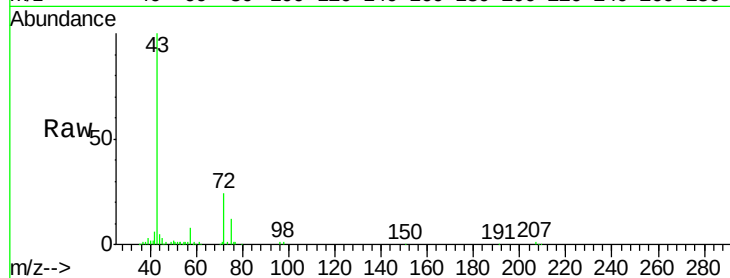
72 23.7 20.4 30.6

Manual Integrations

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MMDadoda

7/14/2020 11:36:10 AM



#26

2,2-Dichloropropane

Concen: 5.027 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX017360.D

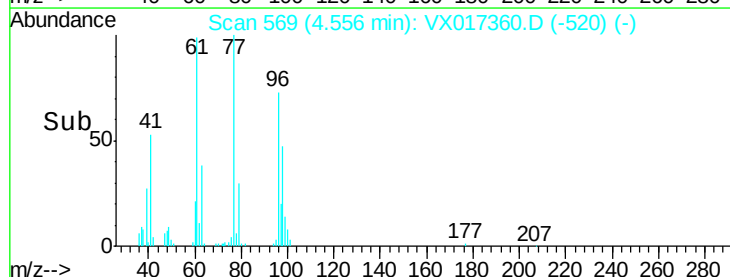
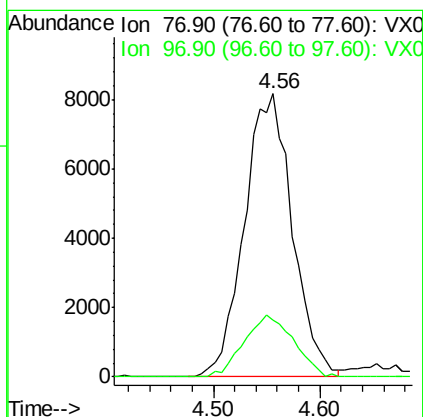
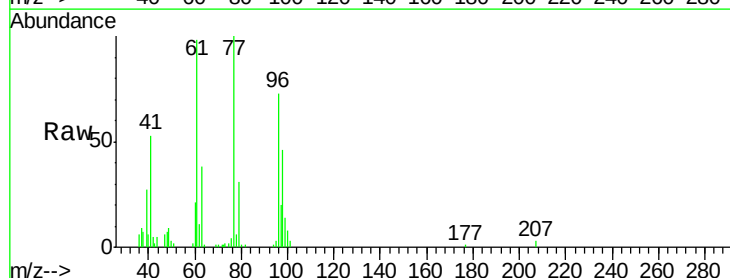
Acq: 13 Jul 2020 17:59

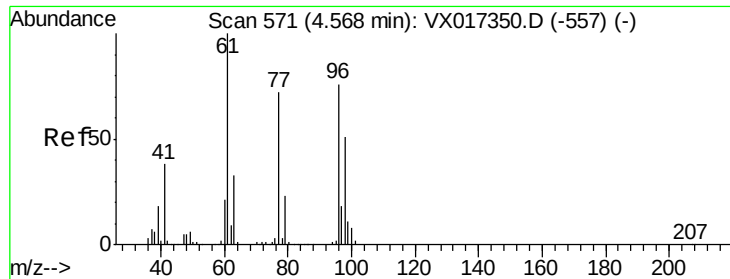
Tgt Ion: 77 Resp: 25730

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.3





#27

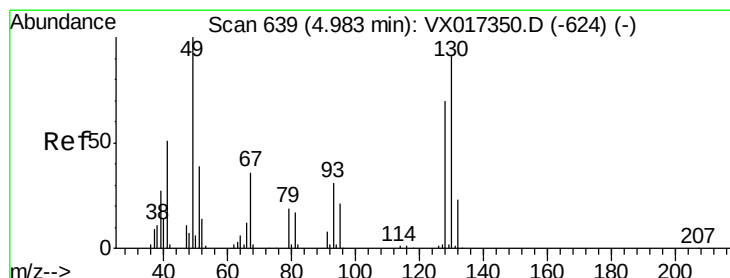
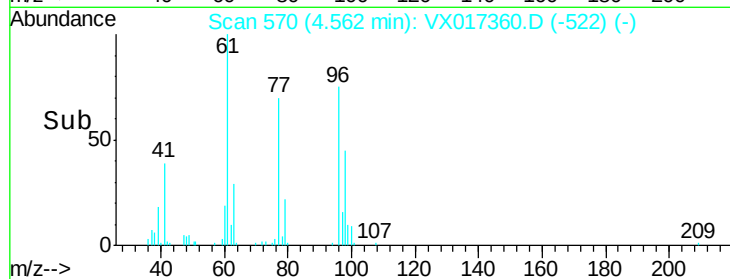
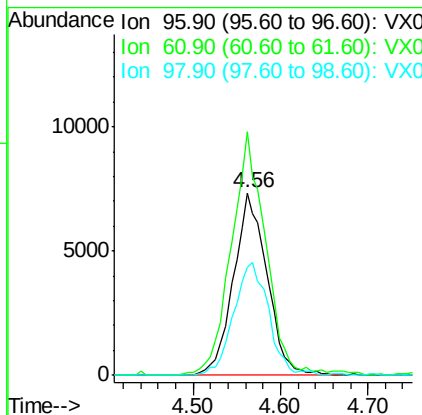
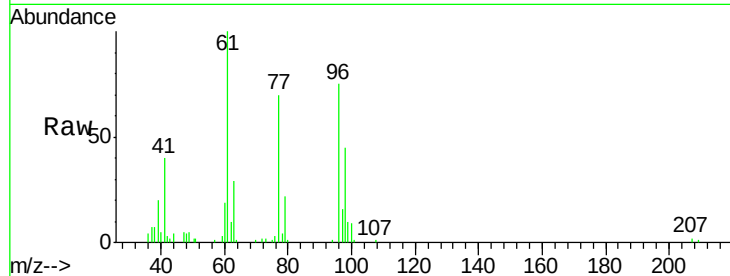
cis-1,2-Dichloroethene
Concen: 5.505 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.3	0.0	281.2	
98	64.7	0.0	131.4	

Manual Integrations
APPROVED

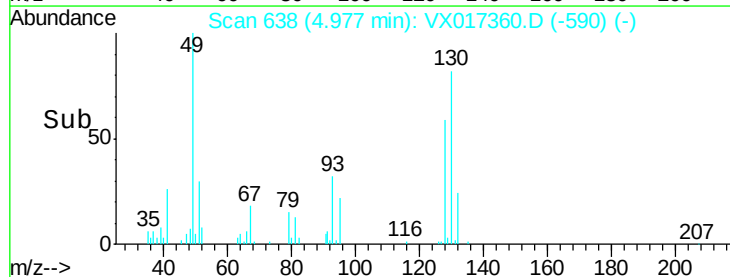
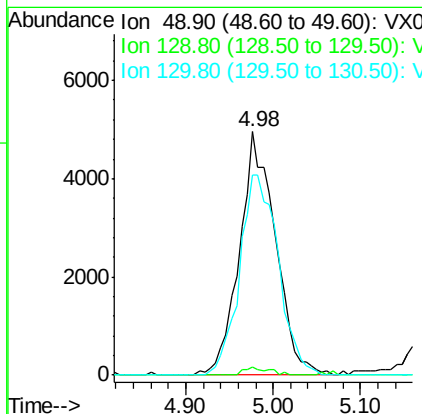
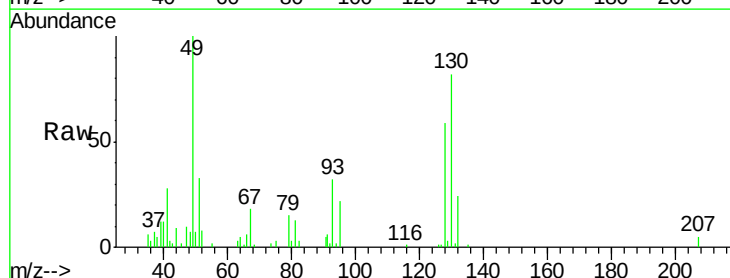
MMDadoda
7/14/2020 11:36:10 AM

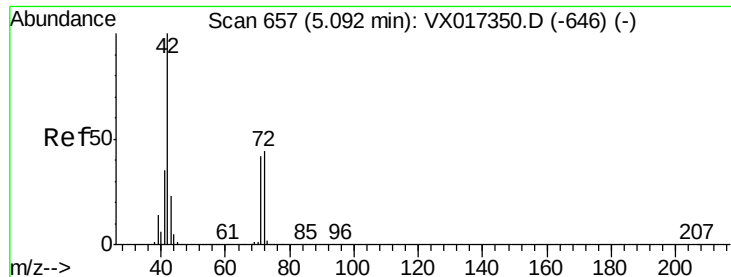


#28

Bromochloromethane
Concen: 5.587 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.8	
130	88.4	71.1	106.7	





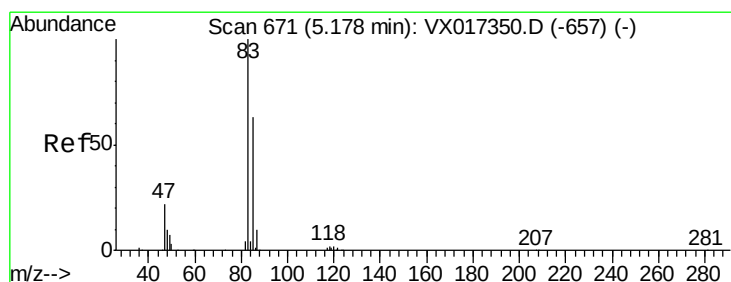
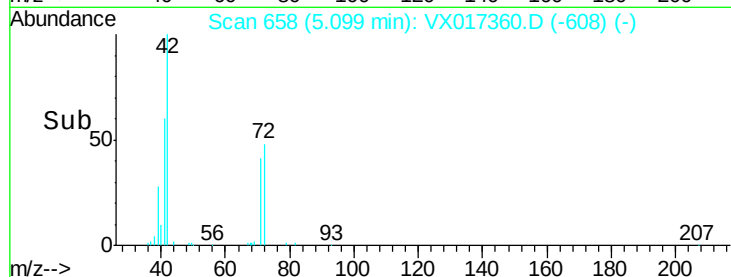
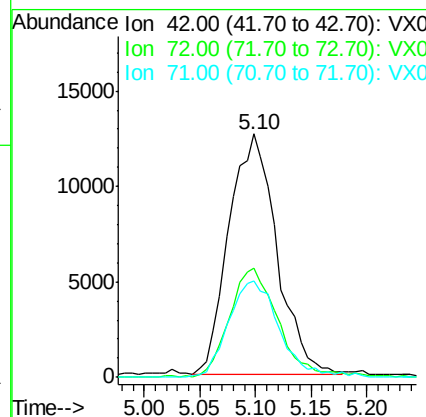
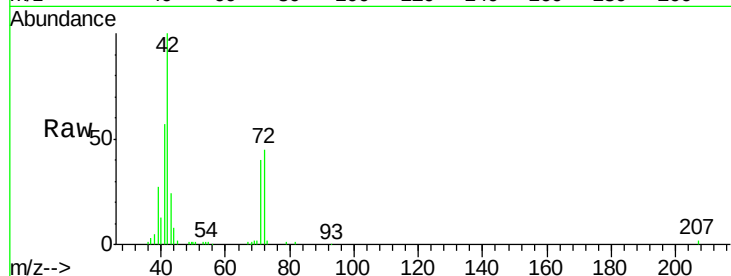
#29
Tetrahydrofuran
Concen: 26.157 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.2	55.8
71	42.8	34.4	51.6

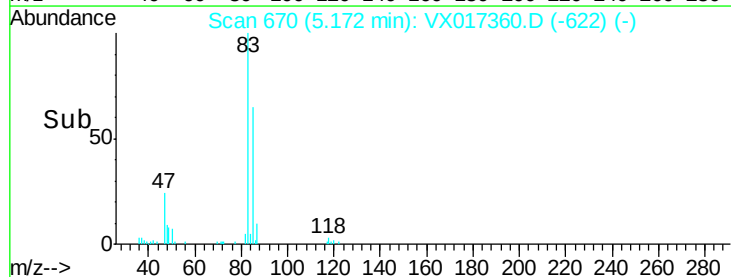
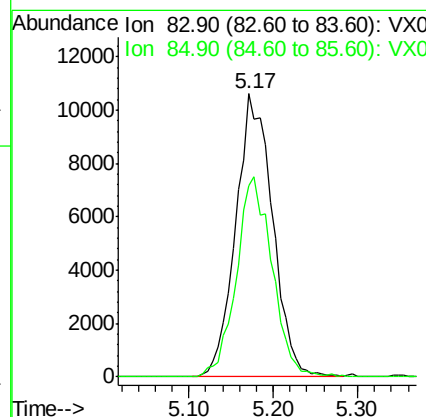
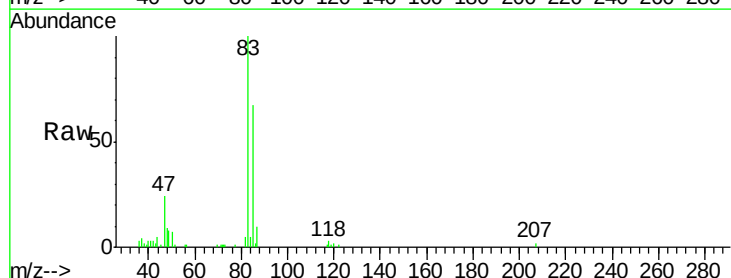
Manual Integrations
APPROVED

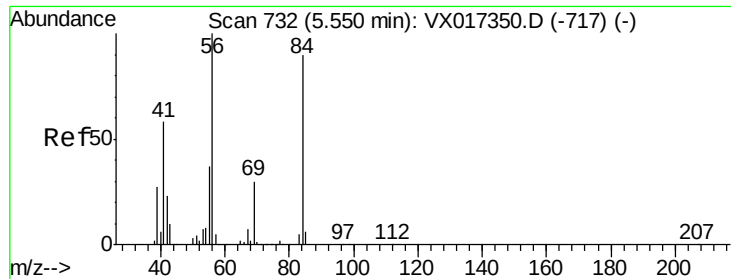
MMDadoda
7/14/2020 11:36:10 AM



#30
Chloroform
Concen: 5.298 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.2	75.4





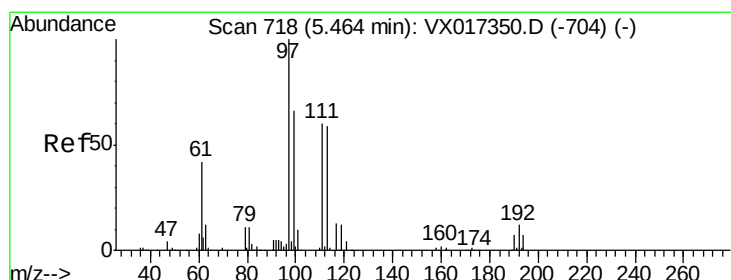
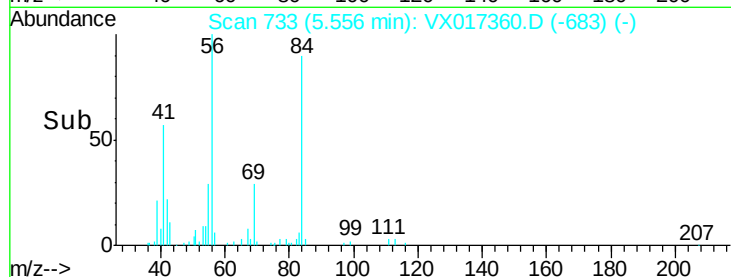
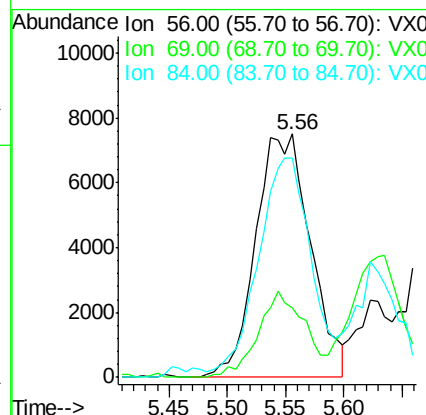
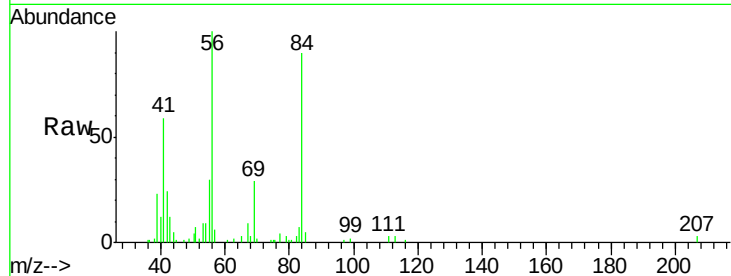
#31
Cyclohexane
Concen: 5.447 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	23.7	35.5
84	86.2	71.8	107.6

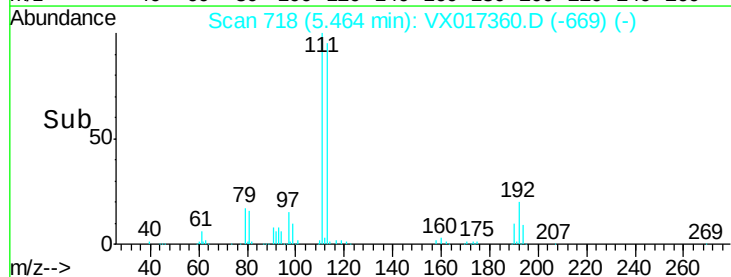
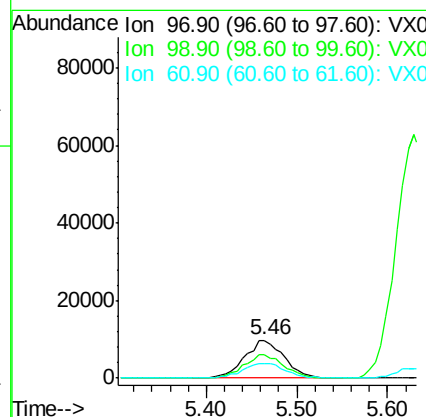
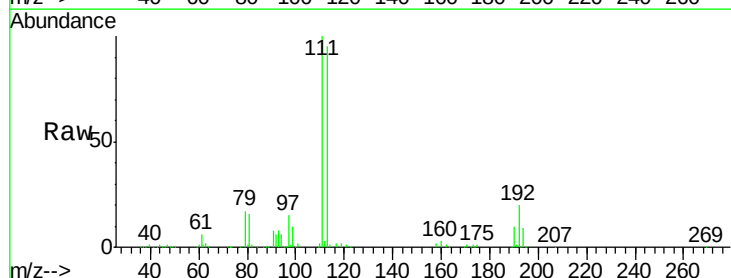
Manual Integrations
APPROVED

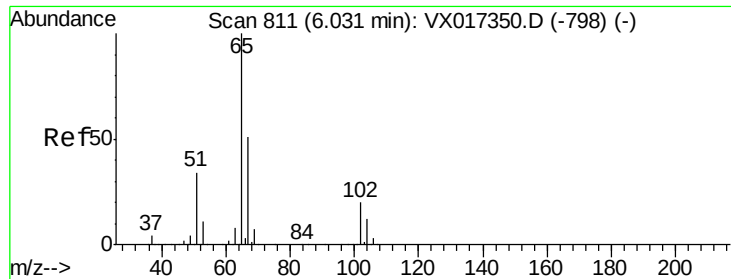
MMDadoda
7/14/2020 11:36:10 AM



#32
1,1,1-Trichloroethane
Concen: 5.350 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.2	76.8
61	42.1	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 53.917 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 65 Resp: 210840

Ion Ratio Lower Upper

65 100

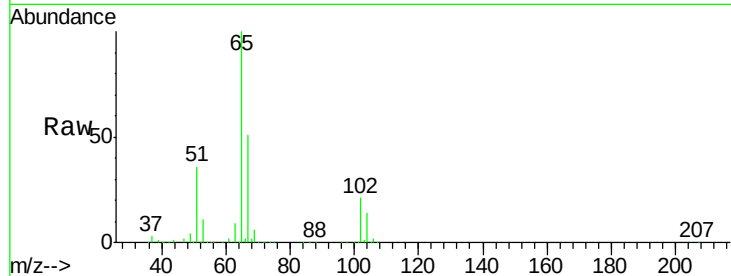
67 51.3 0.0 101.6

Manual Integrations

APPROVED

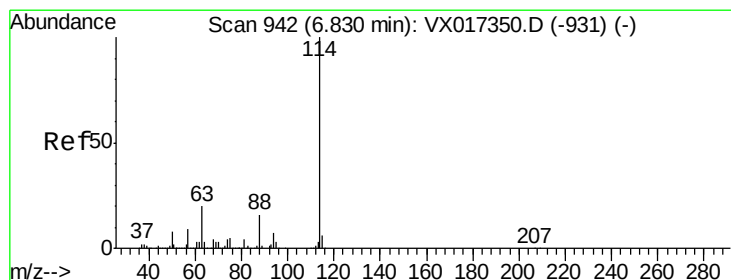
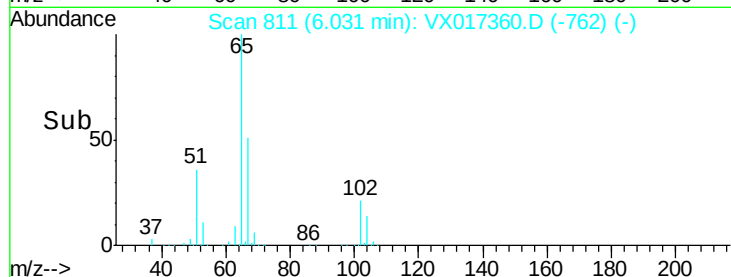
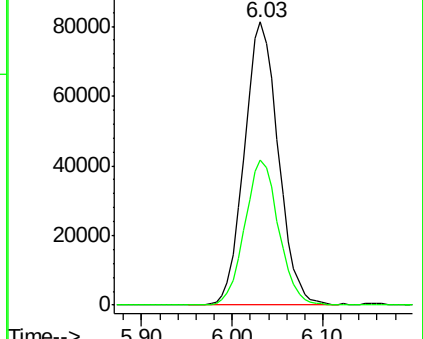
MMDadoda

7/14/2020 11:36:10 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

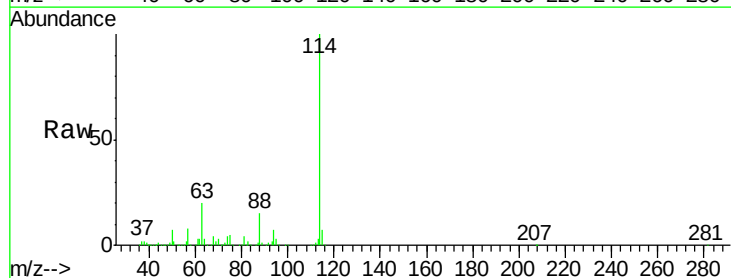
Tgt Ion: 114 Resp: 492621

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

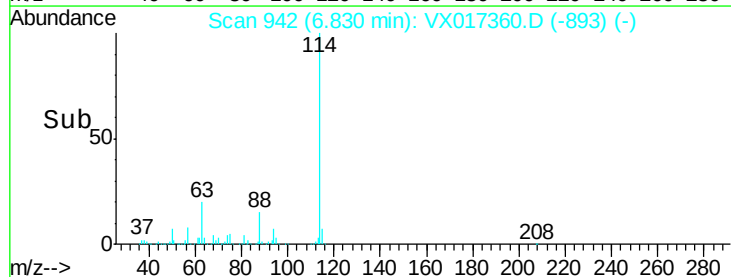
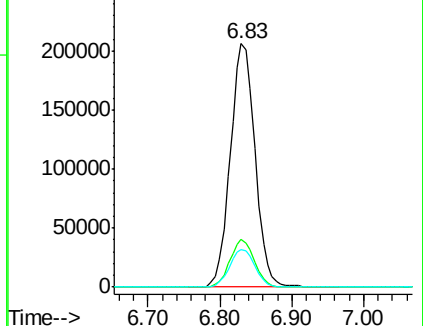
88 15.4 0.0 32.8

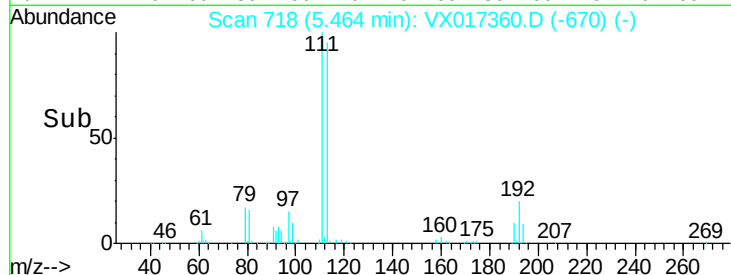
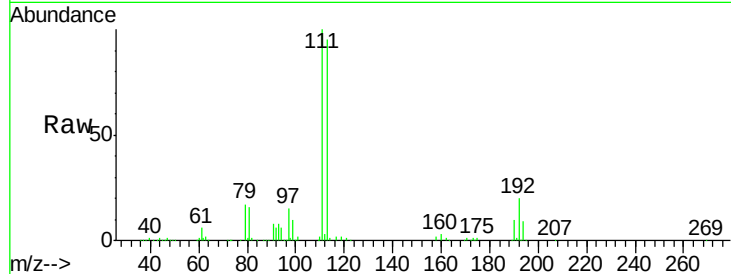
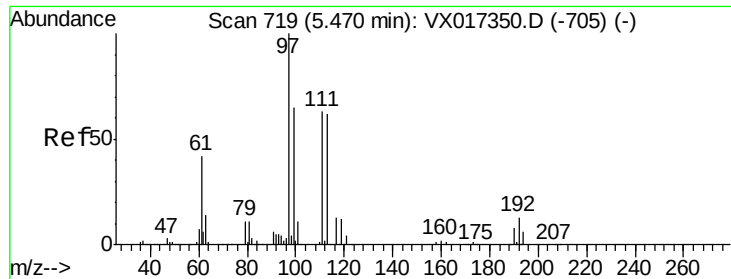


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





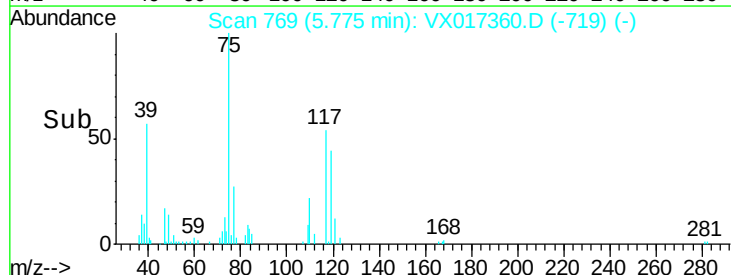
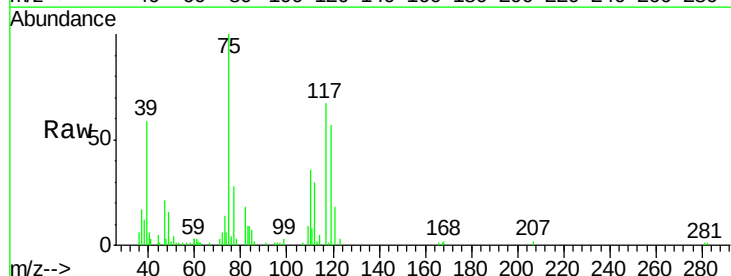
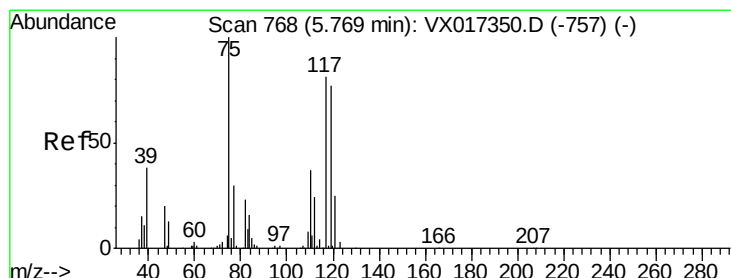
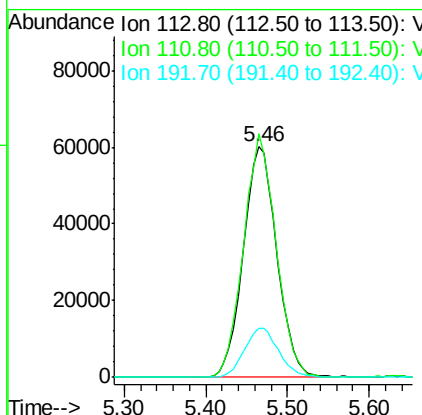
#35
Dibromofluoromethane
Concen: 52.040 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	172688		
111	102.2	82.4	123.6	
192	21.8	17.2	25.8	

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

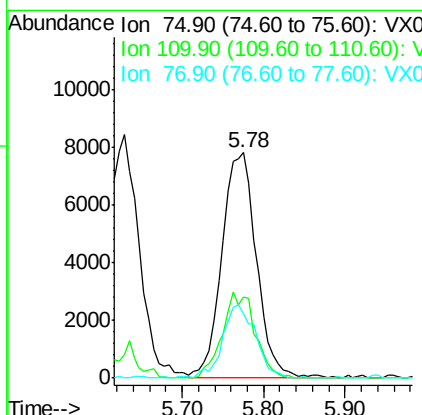
Manual Integrations
APPROVED

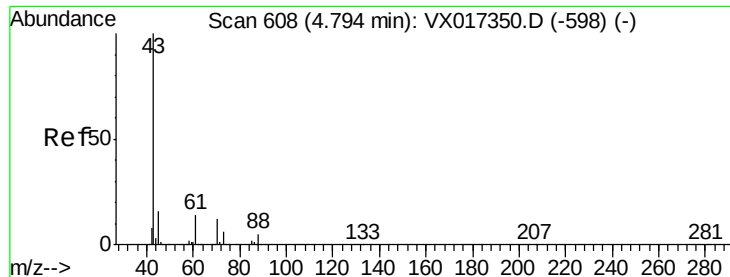
MMDadoda
7/14/2020 11:36:10 AM



#36
1,1-Dichloropropene
Concen: 5.055 ug/l
RT: 5.78 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22903		
110	36.1	18.6	55.8	
77	31.2	24.9	37.3	





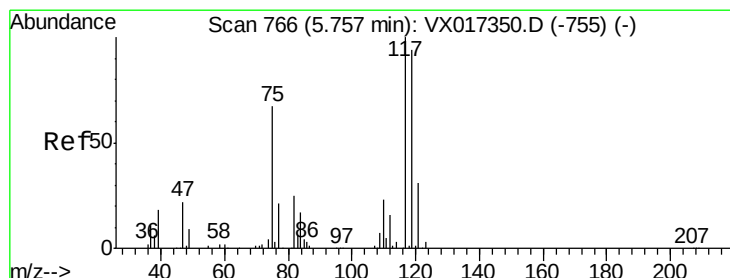
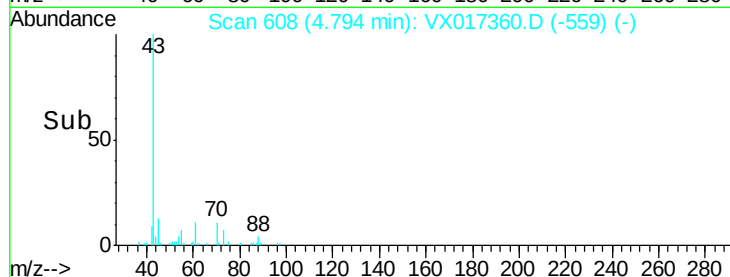
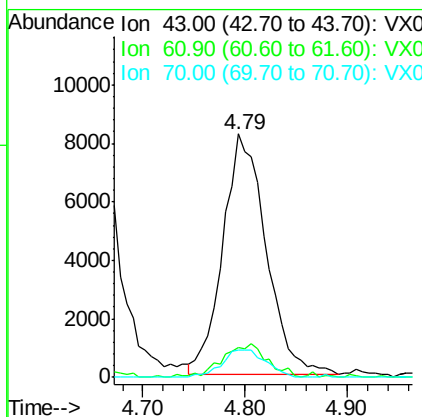
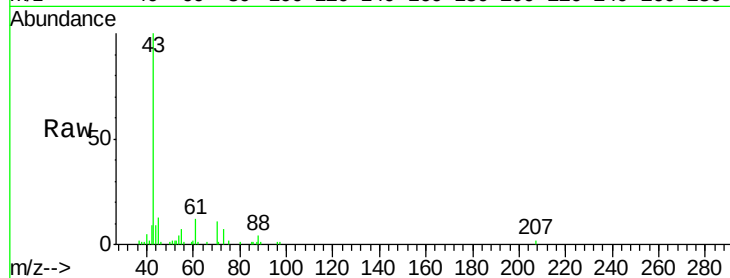
#37
Ethyl Acetate
Concen: 5.170 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.7	16.1
70	11.6	9.0	13.6

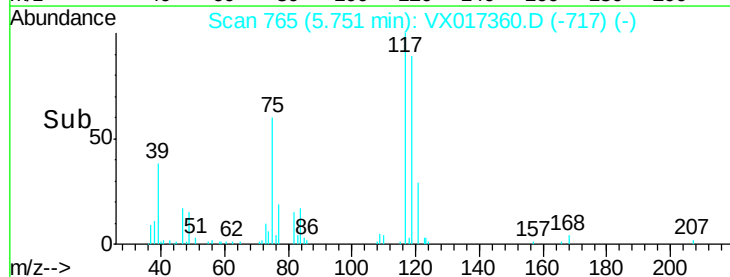
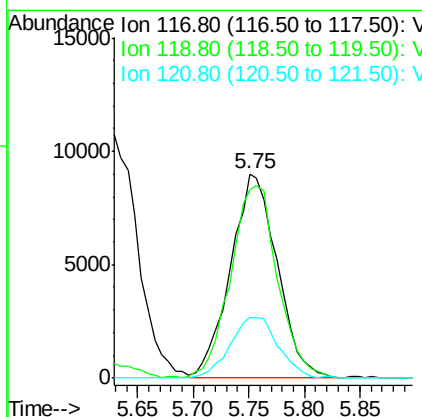
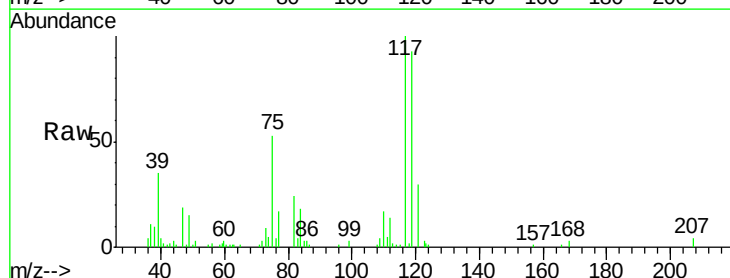
Manual Integrations
APPROVED

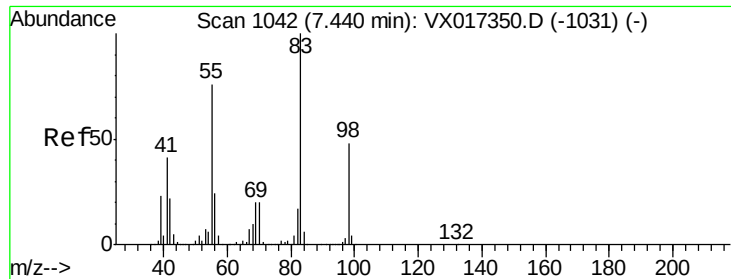
MMDadoda
7/14/2020 11:36:10 AM



#38
Carbon Tetrachloride
Concen: 4.955 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	74.7	112.1
121	29.8	24.5	36.7





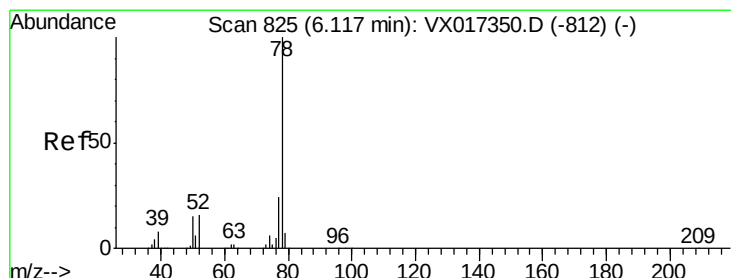
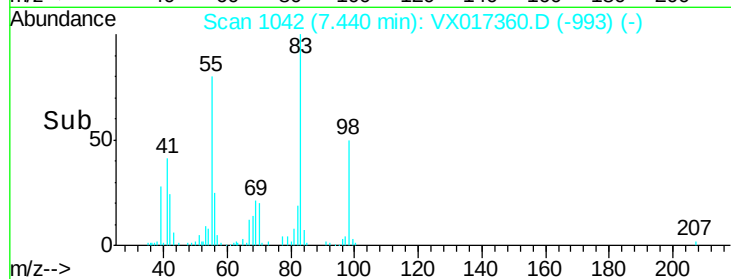
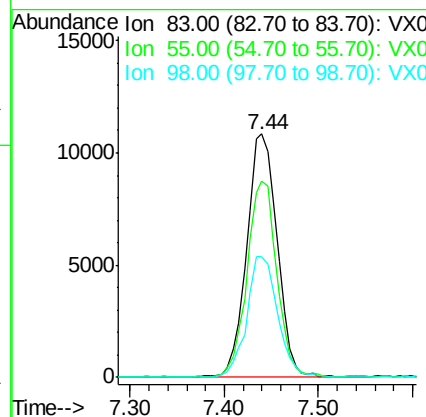
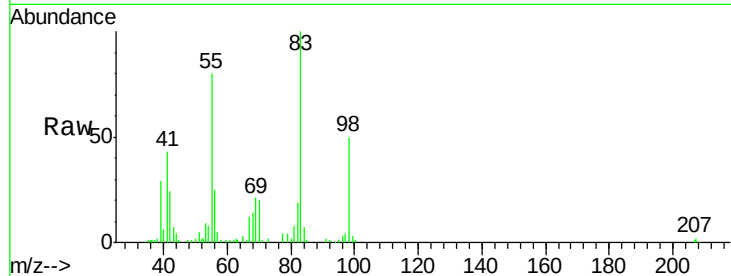
#39
Methylvlcyclohexane
Concen: 4.957 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	24392		
55	80.4		61.2	91.8
98	49.7		38.1	57.1

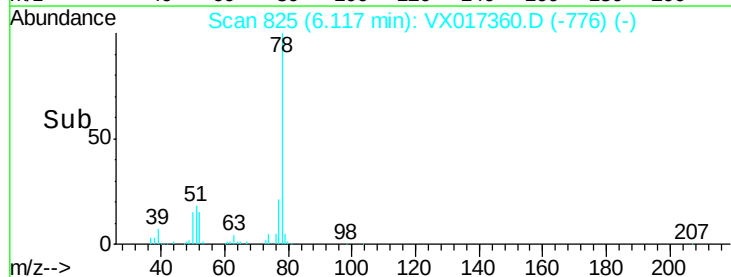
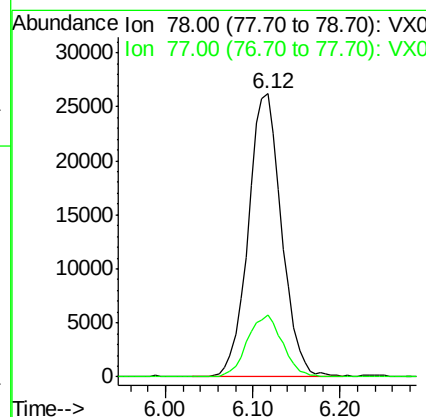
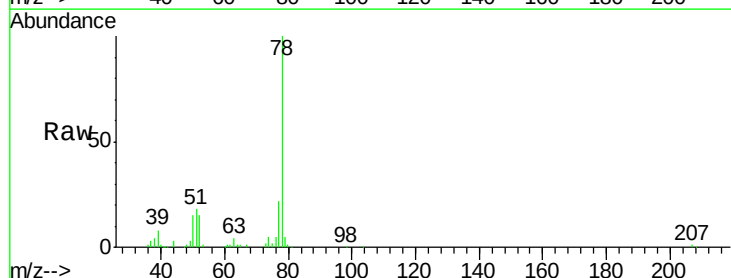
Manual Integrations
APPROVED

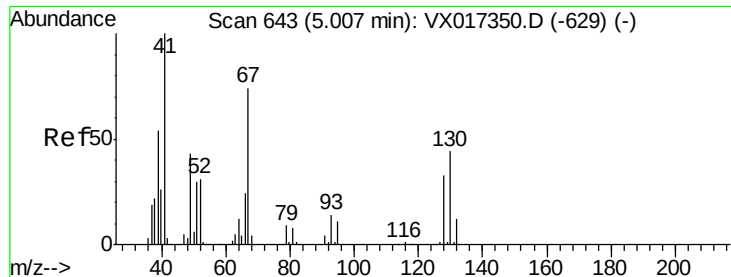
MMDadoda
7/14/2020 11:36:10 AM



#40
Benzene
Concen: 5.311 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	69162		
77	21.8		18.9	28.3





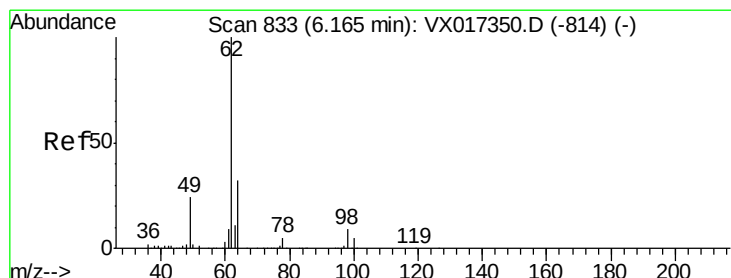
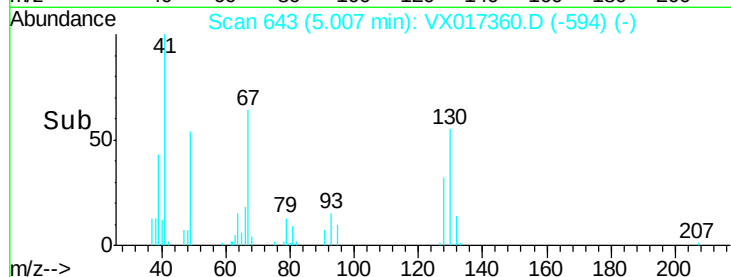
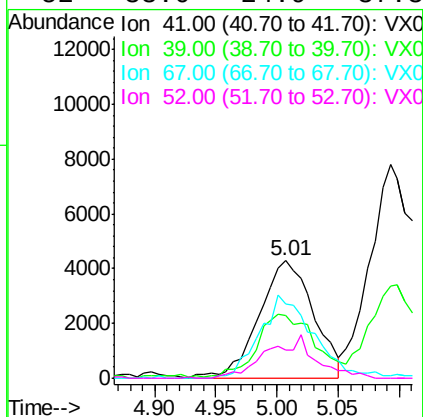
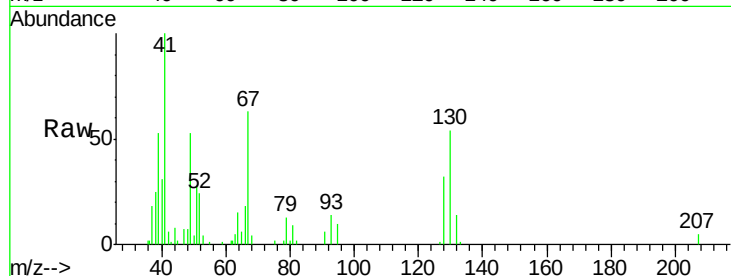
#41
Methacrylonitrile
Concen: 5.271 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion:	41	Resp:	13259
Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.8	65.8
67	70.5	58.7	88.1
52	33.0	24.9	37.3

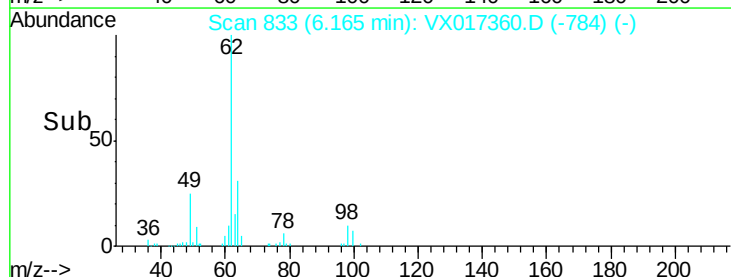
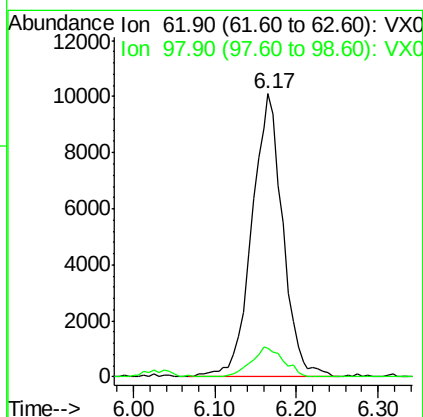
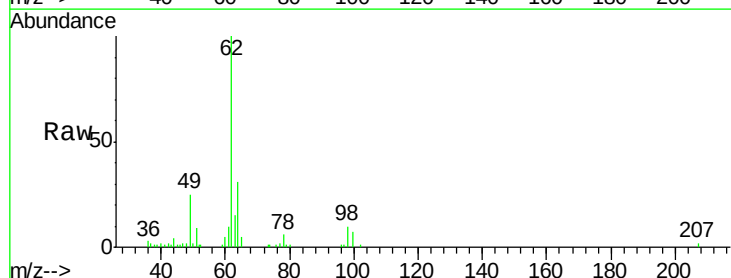
Manual Integrations
APPROVED

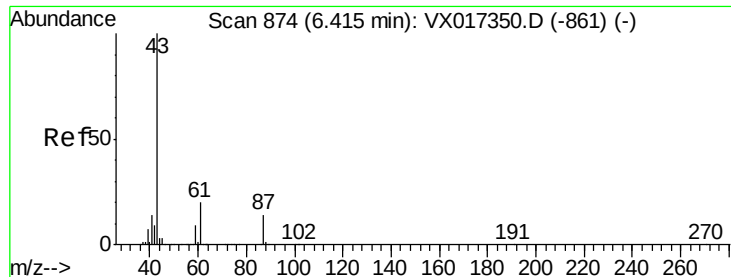
MMDadoda
7/14/2020 11:36:10 AM



#42
1,2-Dichloroethane
Concen: 5.278 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion:	62	Resp:	26705
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 4.909 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

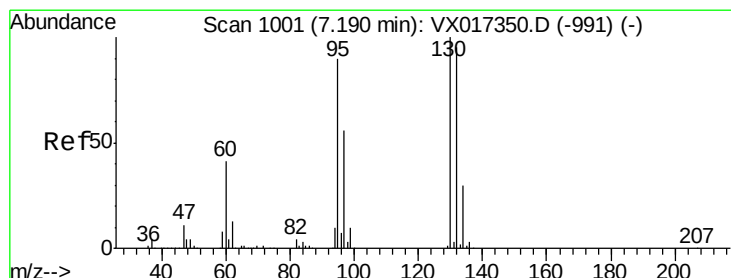
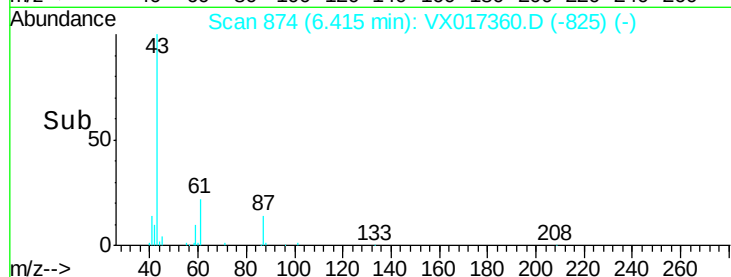
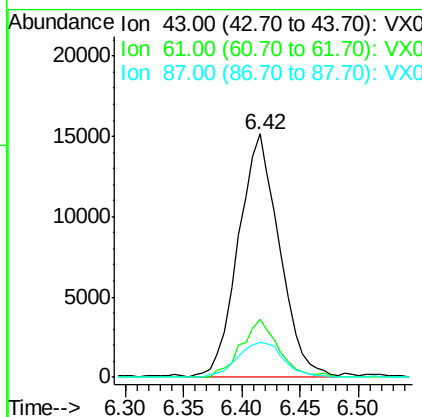
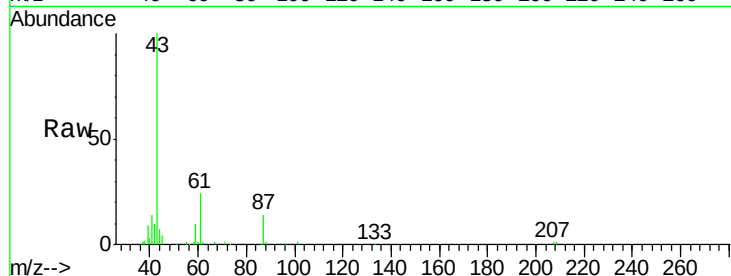
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	43	Resp:	36759
Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.4	24.6
87	16.1	11.2	16.8

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#44

Trichloroethene

Concen: 5.295 ug/l

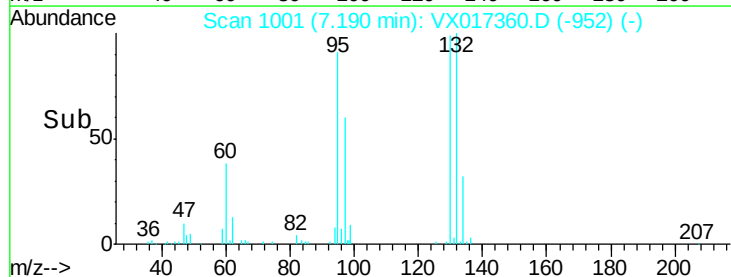
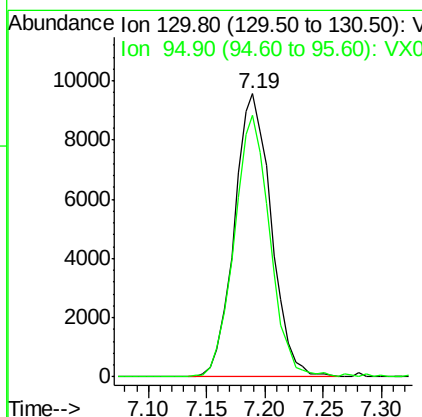
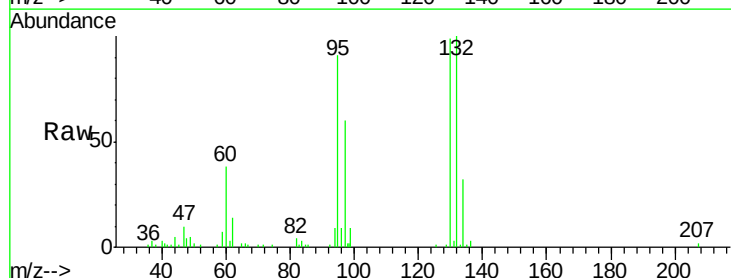
RT: 7.19 min Scan# 1001

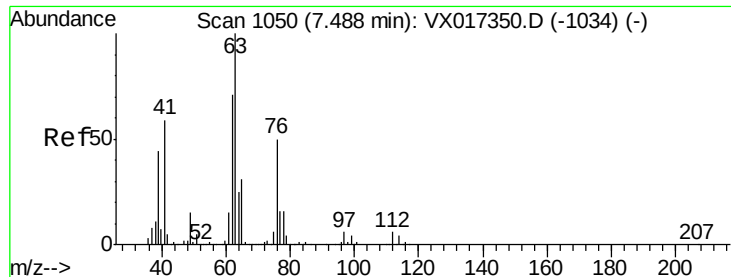
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion:	130	Resp:	21061
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	180.2





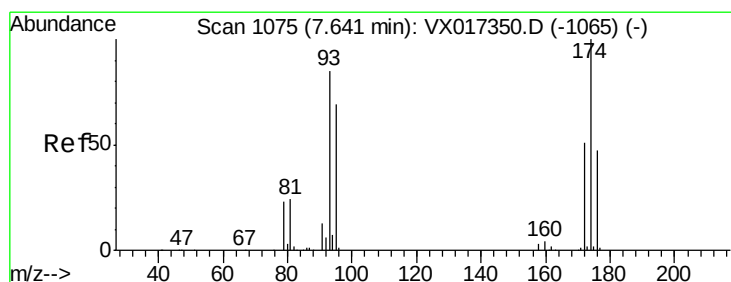
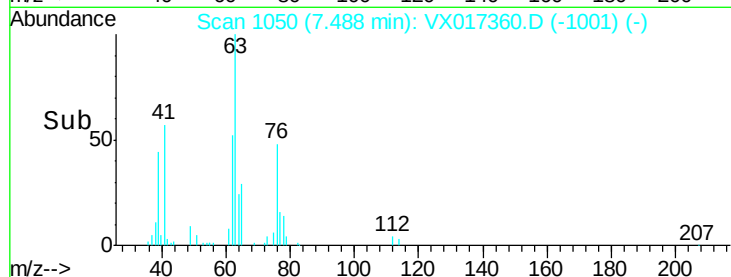
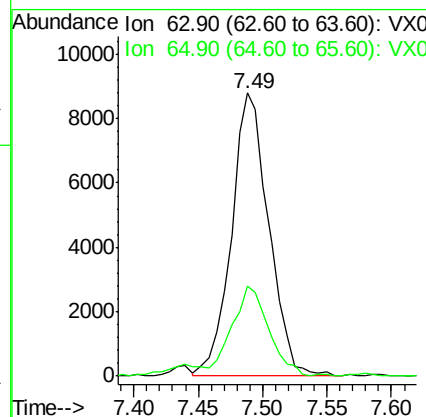
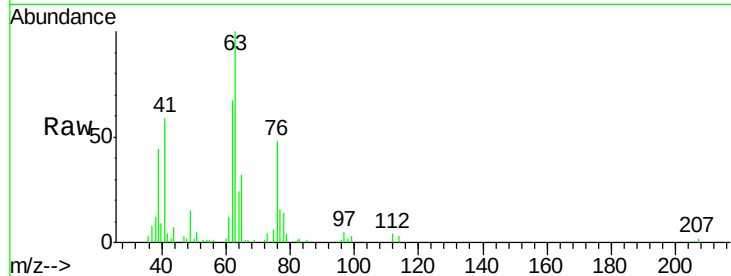
#45
 1,2-Dichloropropane
 Concen: 5.316 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.5	36.7

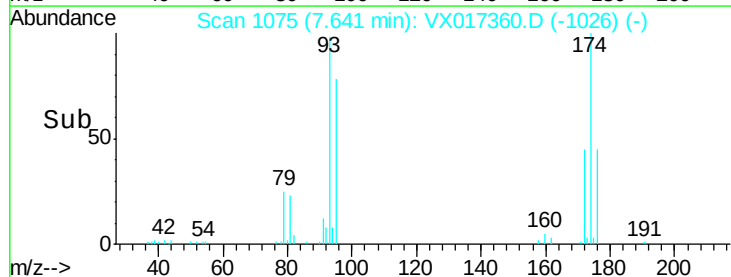
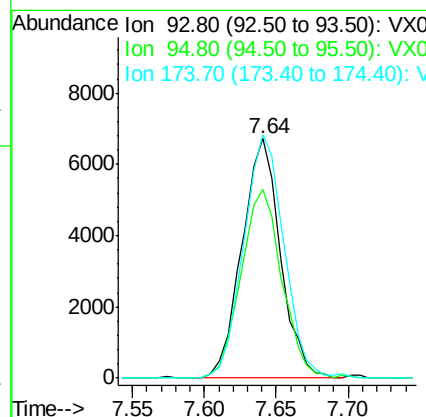
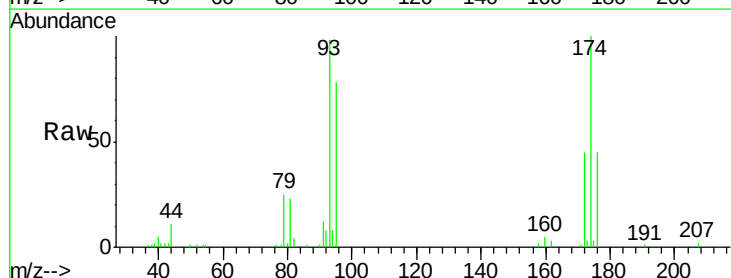
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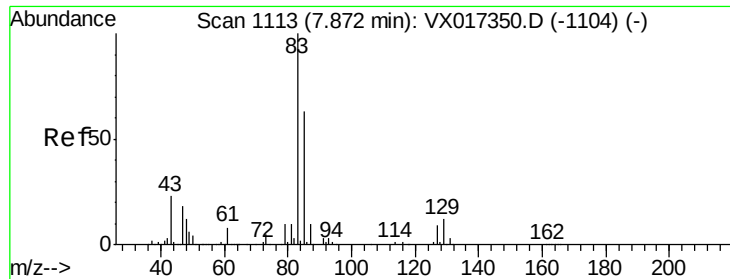
MMDadoda
 7/14/2020 11:36:10 AM



#46
 Dibromomethane
 Concen: 5.192 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.4	98.2
174	106.6	91.2	136.8





#47

Bromodichloromethane

Concen: 4.971 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

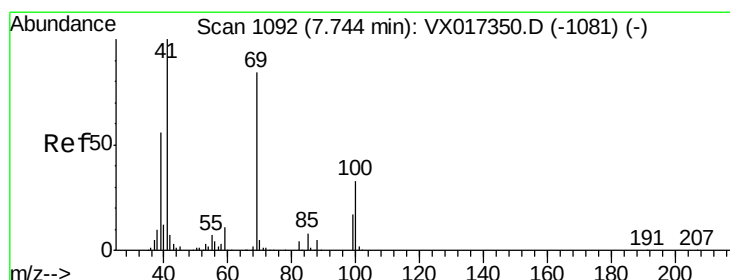
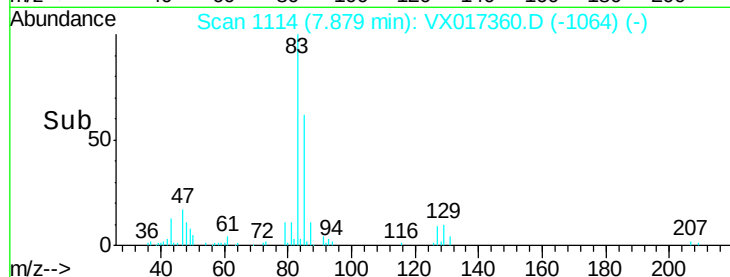
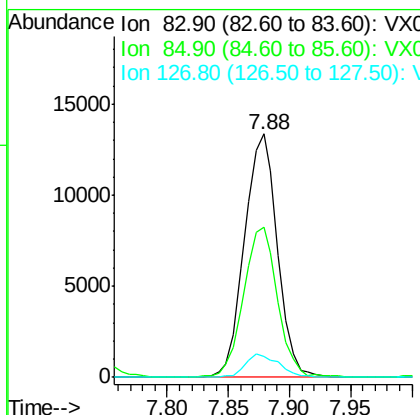
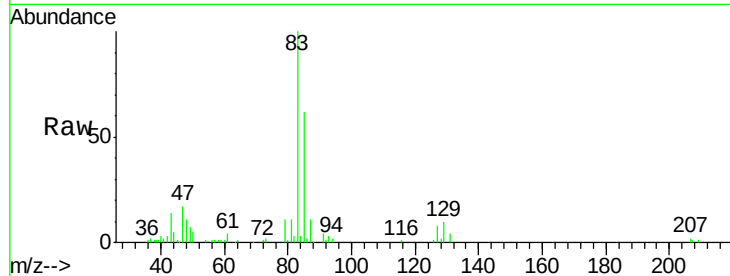
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	83	Resp:	24975
Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.2	75.4
127	8.5	7.1	10.7

Manual Integrations
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MMDadoda
7/14/2020 11:36:10 AM



#48

Methyl methacrylate

Concen: 5.257 ug/l

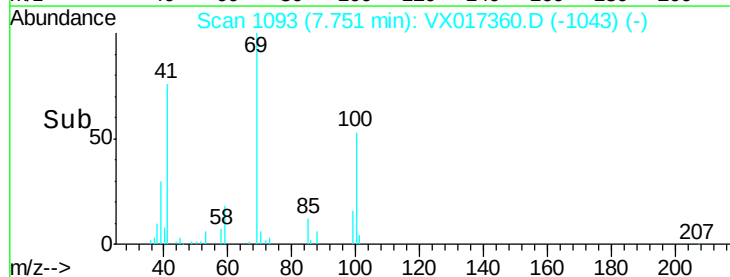
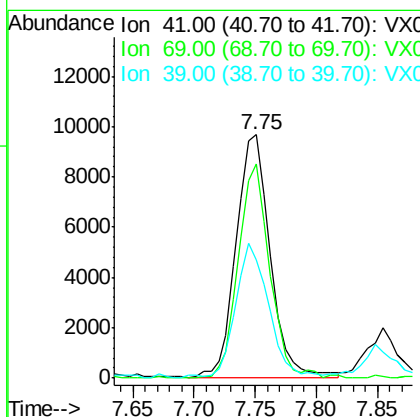
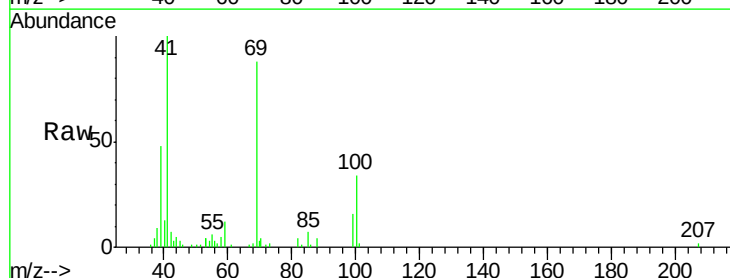
RT: 7.75 min Scan# 1093

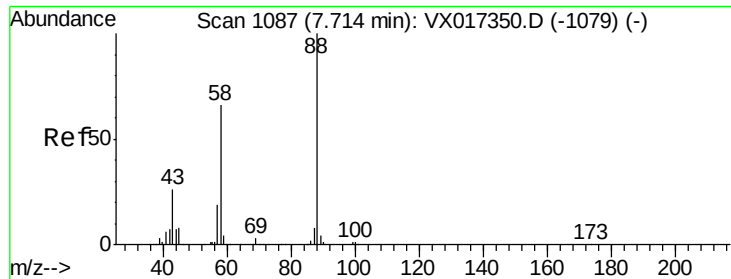
Delta R.T. 0.01 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion:	41	Resp:	18889
Ion	Ratio	Lower	Upper
41	100		
69	80.7	67.8	101.6
39	53.9	45.1	67.7





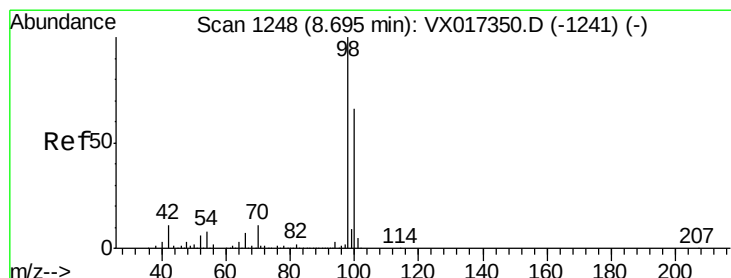
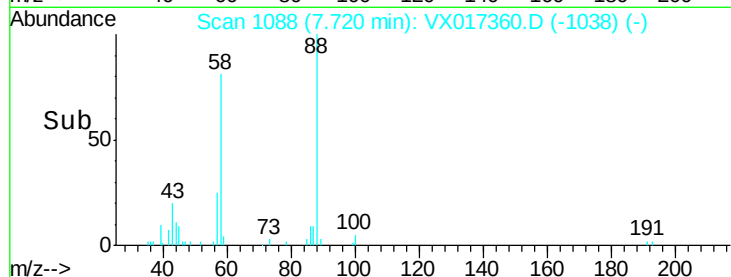
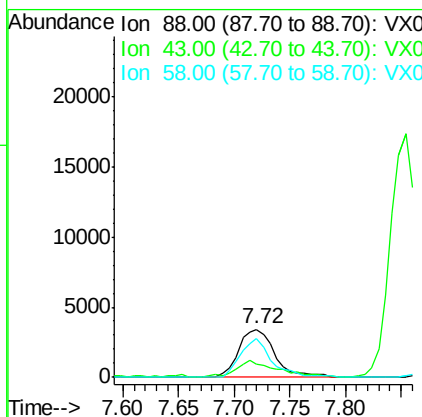
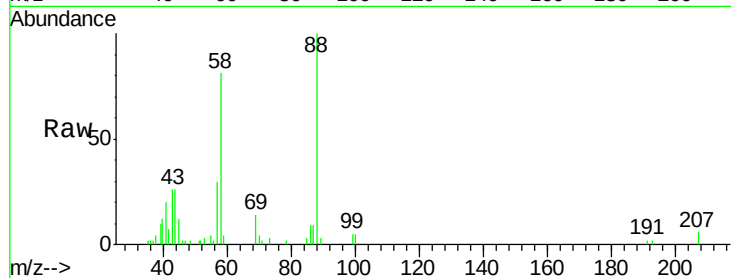
#49
1,4-Dioxane
Concen: 105.055 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	25.6	38.4#
58	70.4	53.9	80.9

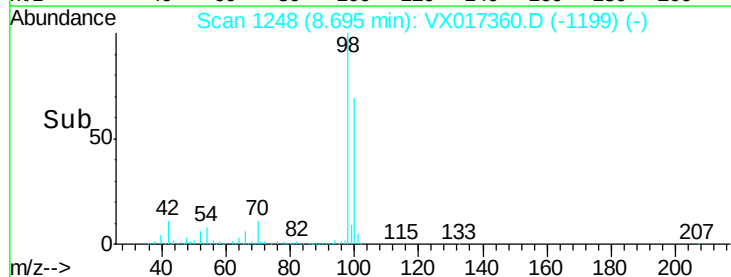
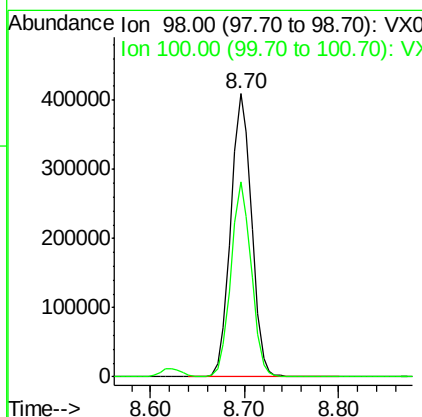
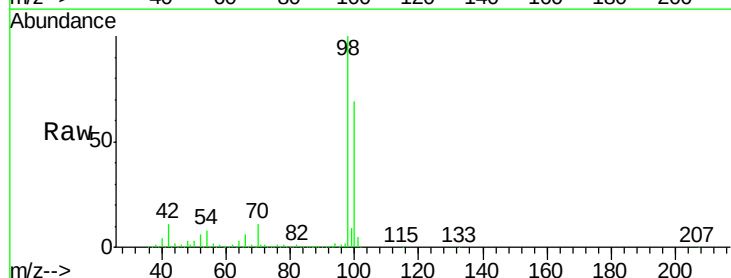
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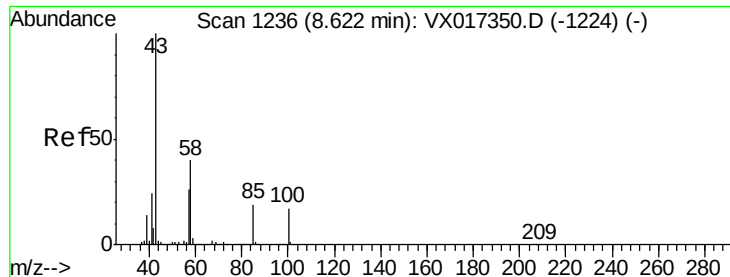
MMDadoda
7/14/2020 11:36:10 AM



#50
Toluene-d8
Concen: 52.634 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 25.313 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 115570

Ion Ratio Lower Upper

43 100

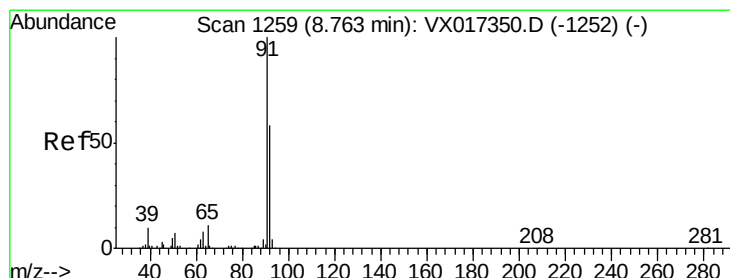
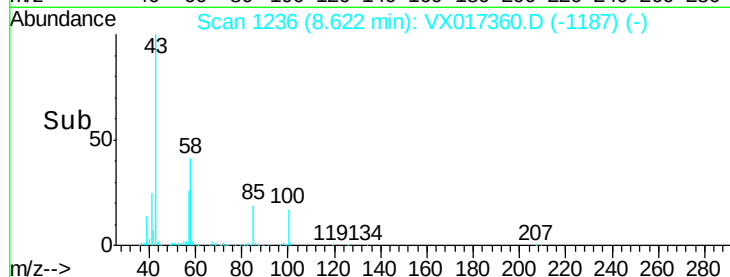
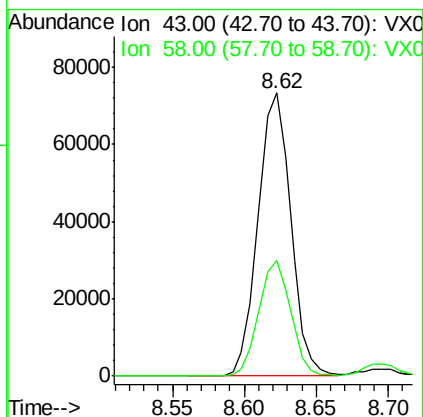
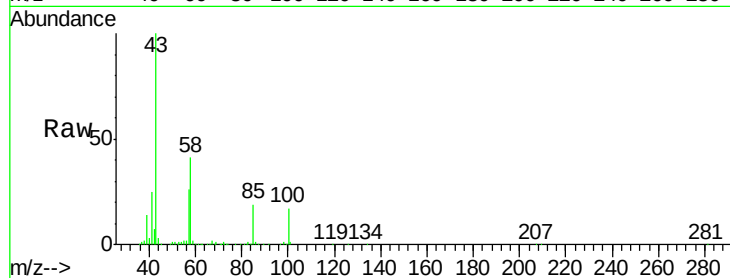
58 39.9 32.2 48.2

Manual Integrations

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#52

Toluene

Concen: 5.201 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017360.D

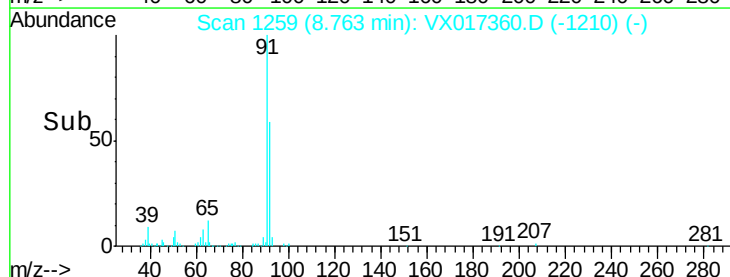
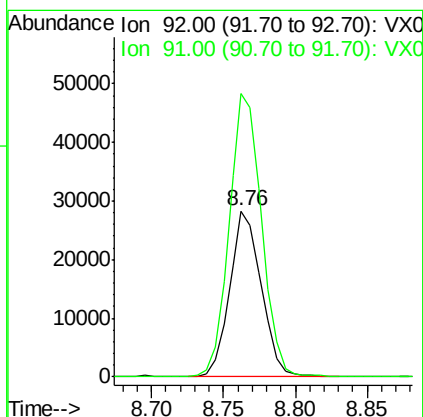
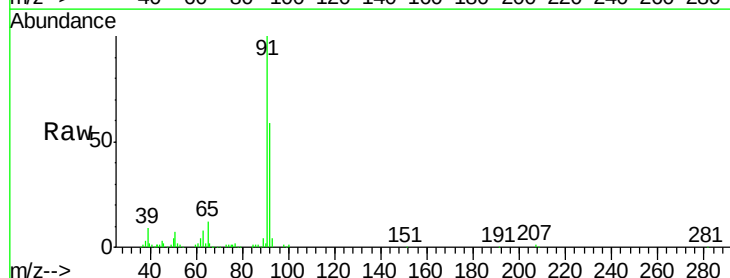
Acq: 13 Jul 2020 17:59

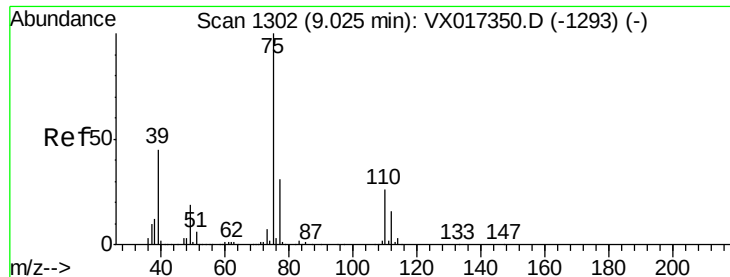
Tgt Ion: 92 Resp: 43462

Ion Ratio Lower Upper

92 100

91 174.7 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 4.902 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 75 Resp: 26530

Ion Ratio Lower Upper

75 100

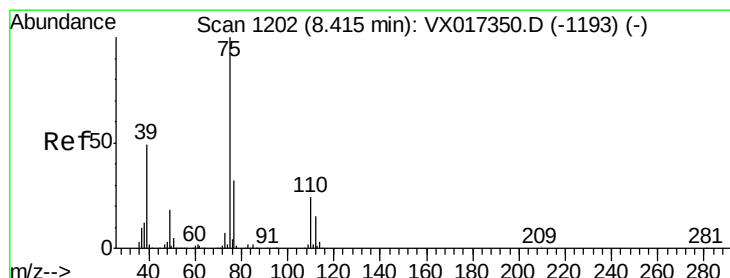
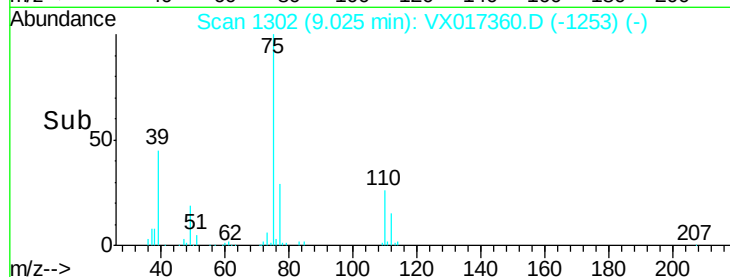
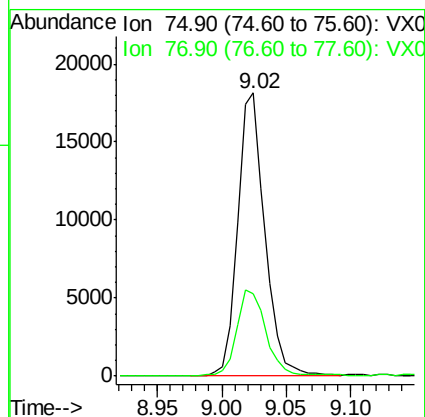
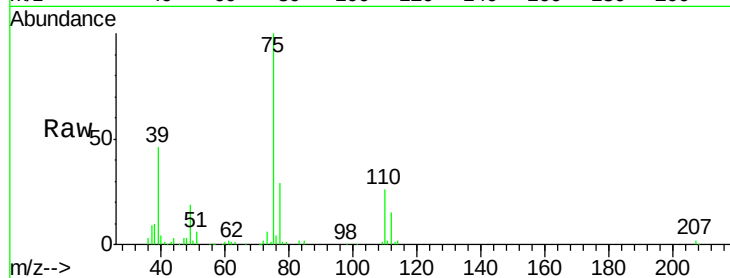
77 28.9 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.938 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

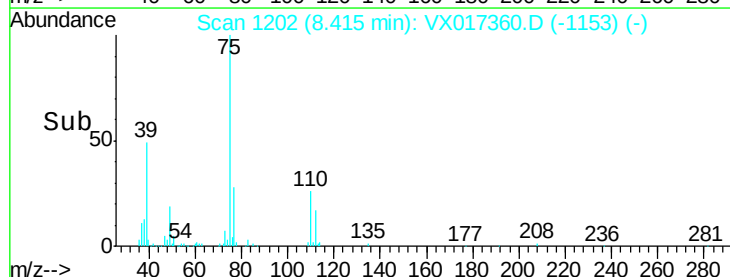
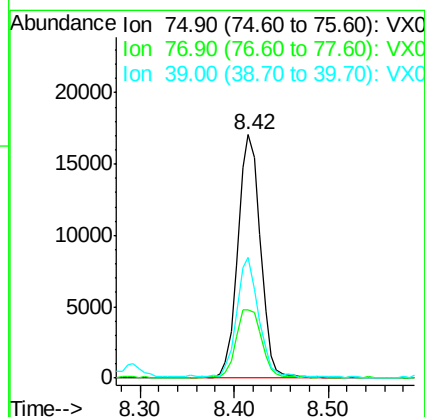
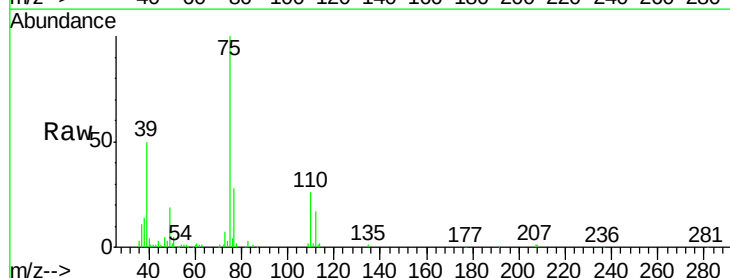
Tgt Ion: 75 Resp: 28504

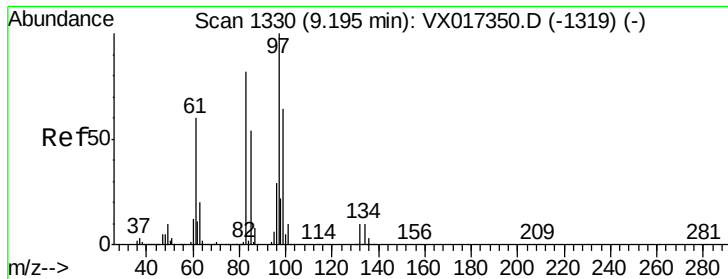
Ion Ratio Lower Upper

75 100

77 28.2 25.3 37.9

39 49.2 38.9 58.3





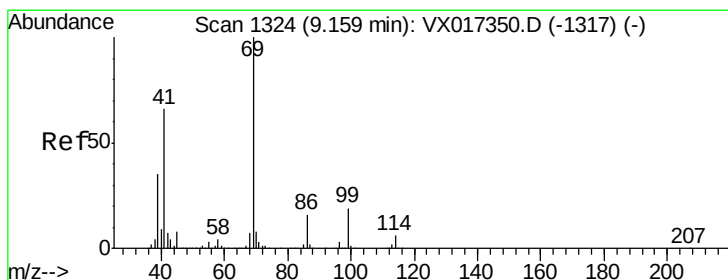
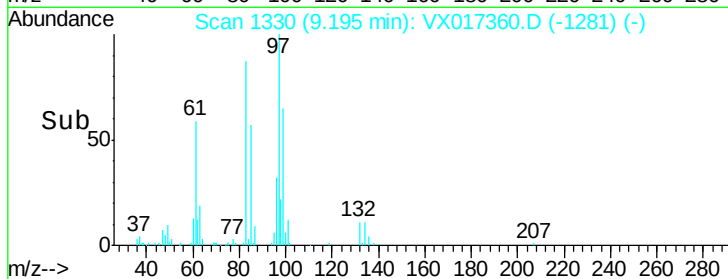
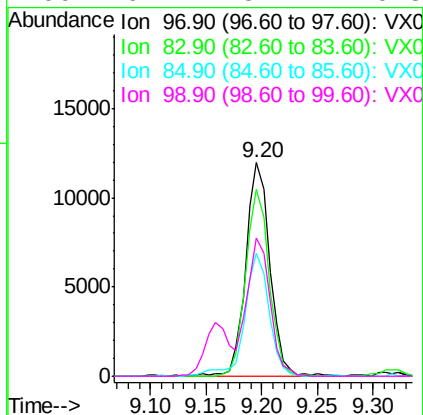
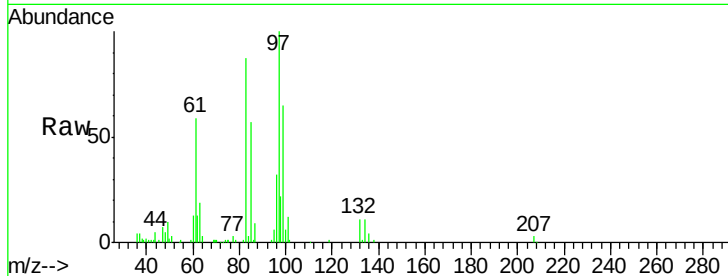
#55
 1,1,2-Trichloroethane
 Concen: 5.194 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion:	97	Resp:	18098
Ion	Ratio	Lower	Upper
97	100		
83	87.2	65.8	98.6
85	56.8	42.8	64.2
99	64.7	51.2	76.8

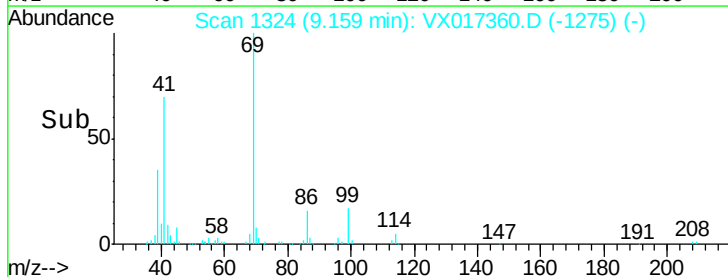
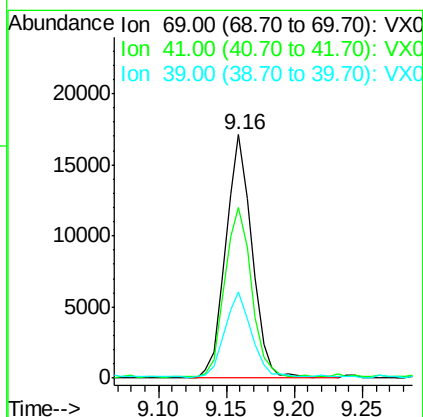
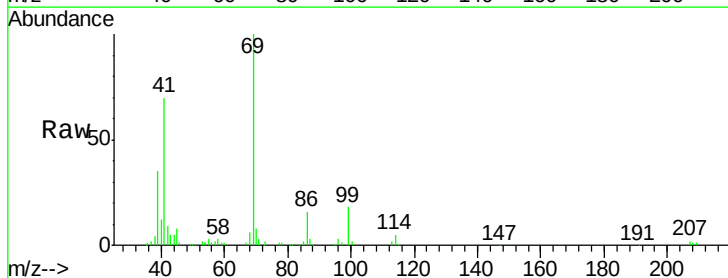
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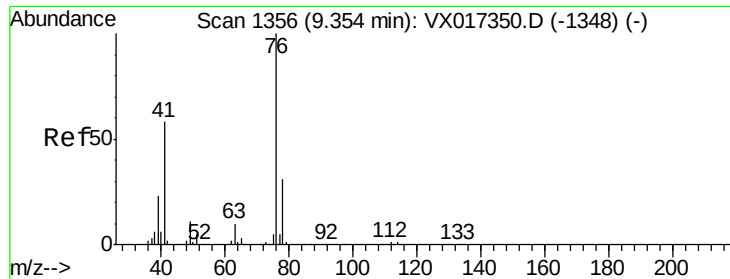
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.673 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Tgt Ion:	69	Resp:	23118
Ion	Ratio	Lower	Upper
69	100		
41	70.1	52.6	78.8
39	35.5	28.8	43.2





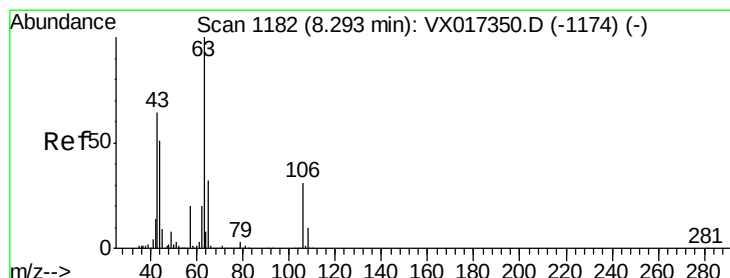
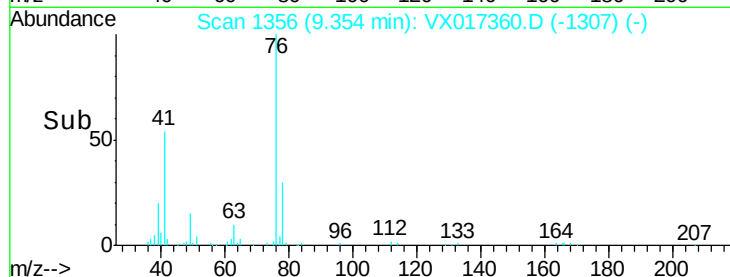
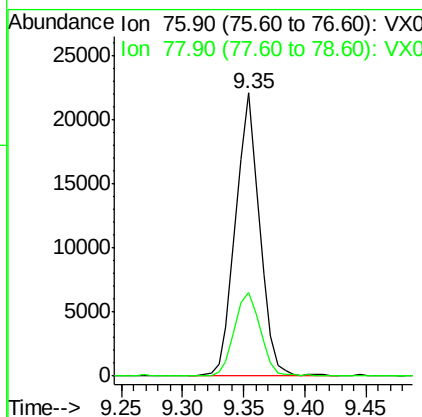
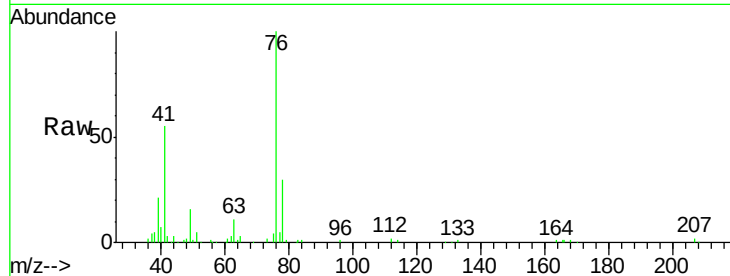
#57
 1,3-Dichloropropane
 Concen: 5.203 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

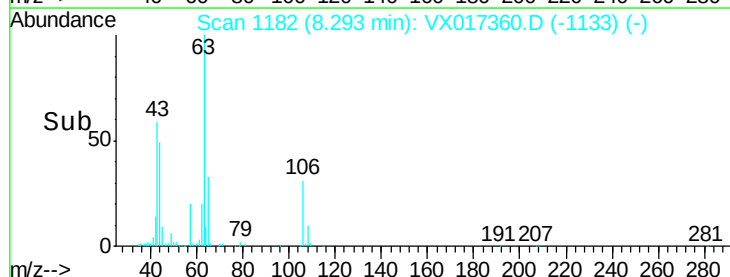
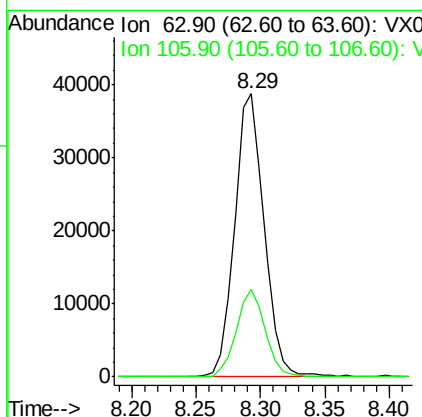
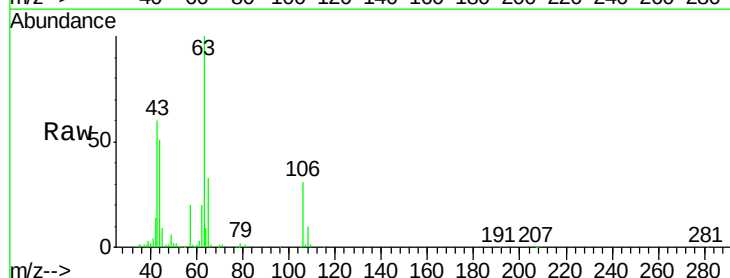
Manual Integrations
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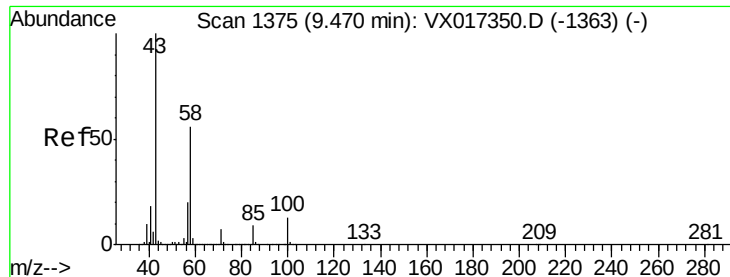
MMDadoda
 7/14/2020 11:36:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.564 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.8	37.2





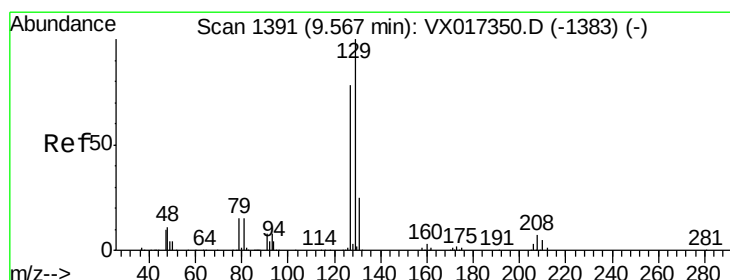
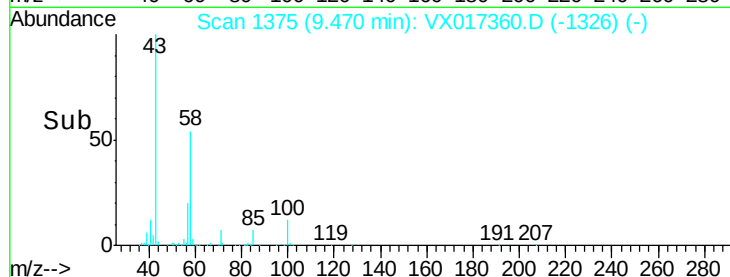
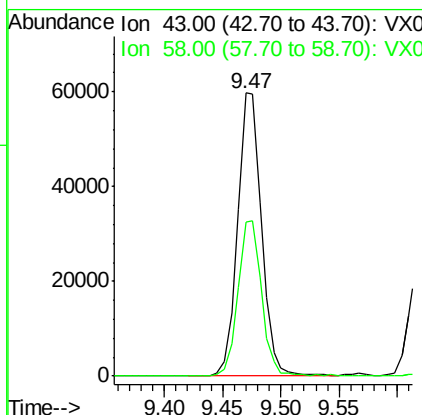
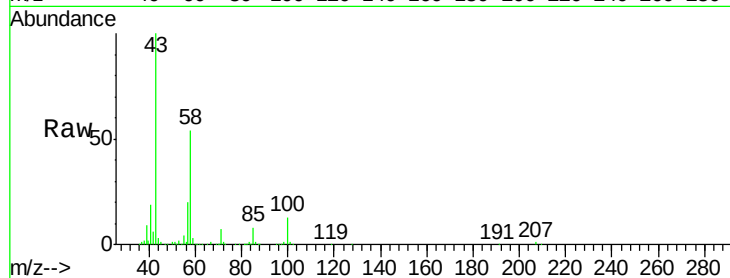
#59
2-Hexanone
Concen: 24.782 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 85399
Ion Ratio Lower Upper
43 100
58 54.3 28.1 84.3

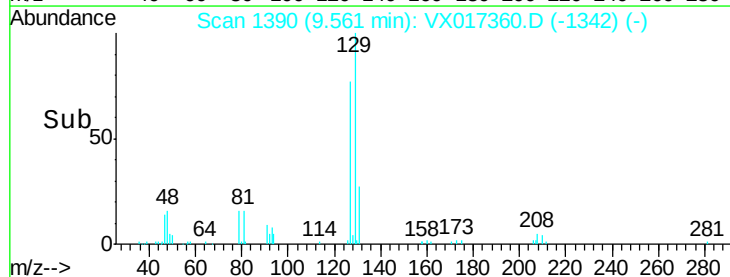
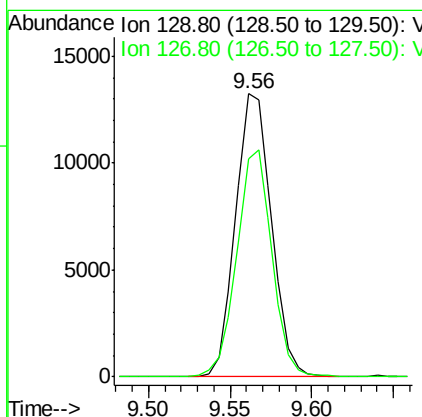
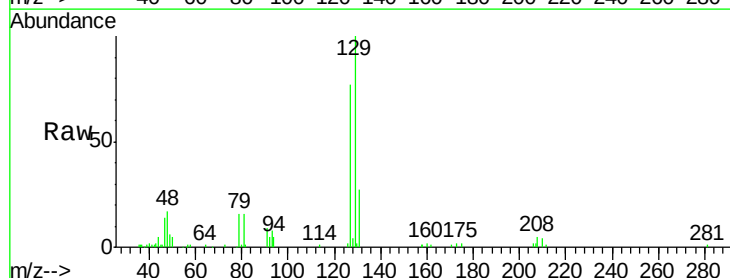
Manual Integrations
APPROVED

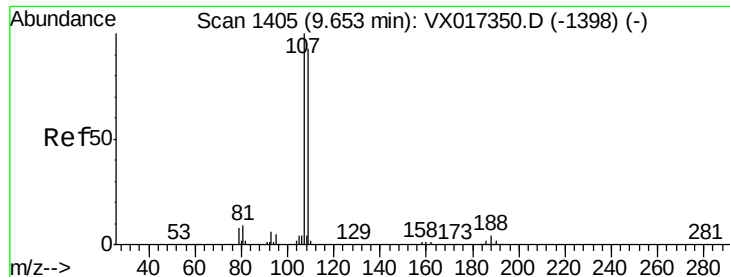
MMDadoda
7/14/2020 11:36:10 AM



#60
Dibromochloromethane
Concen: 4.775 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion: 129 Resp: 20326
Ion Ratio Lower Upper
129 100
127 78.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 5.108 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 107 Resp: 19363

Ion Ratio Lower Upper

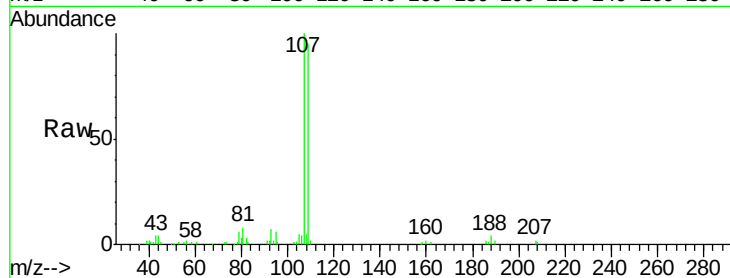
107 100

109 94.4 75.0 112.4

Manual Integrations
APPROVED

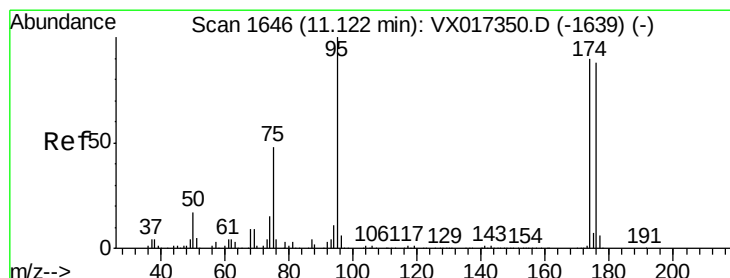
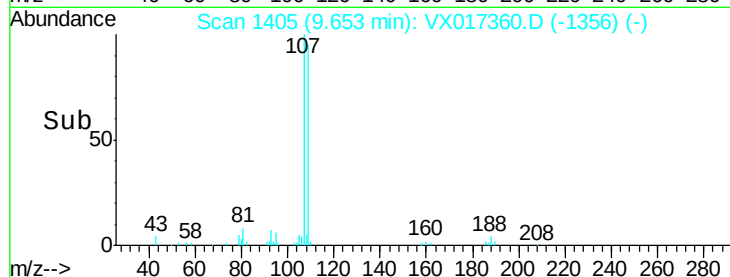
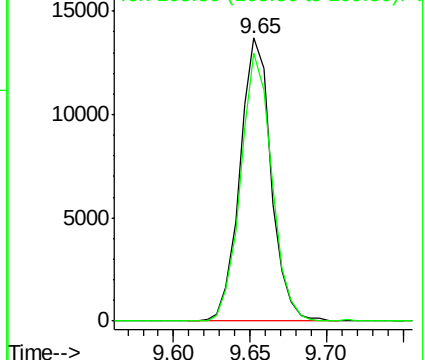
MMDadoda

7/14/2020 11:36:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.031 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

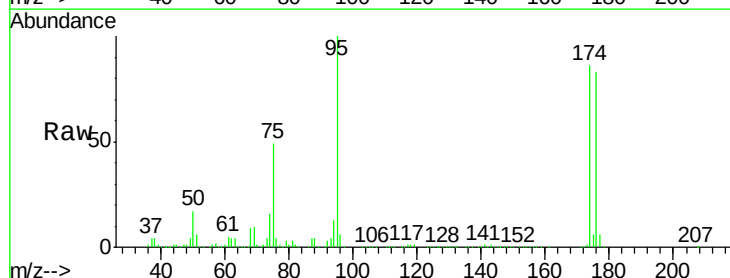
Tgt Ion: 95 Resp: 242636

Ion Ratio Lower Upper

95 100

174 85.9 0.0 175.8

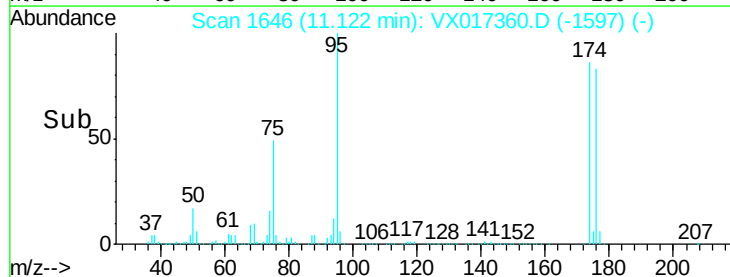
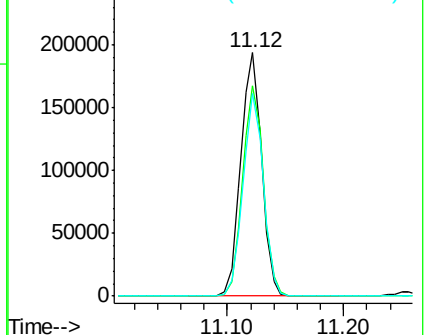
176 81.6 0.0 164.6

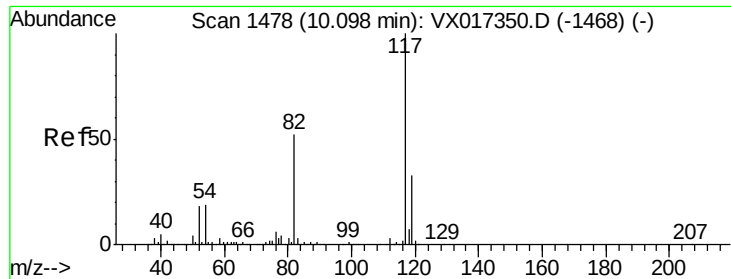


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





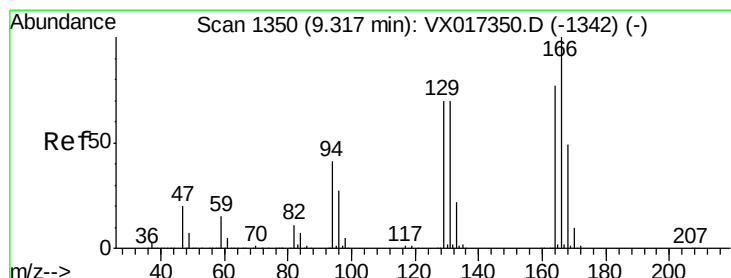
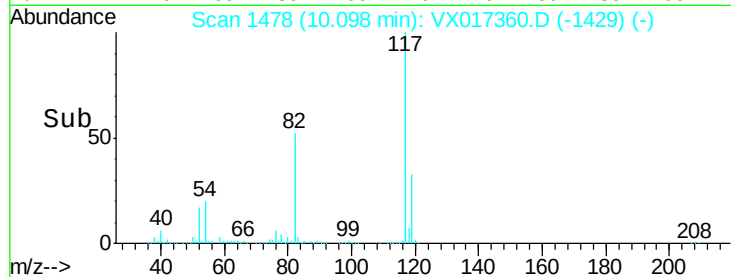
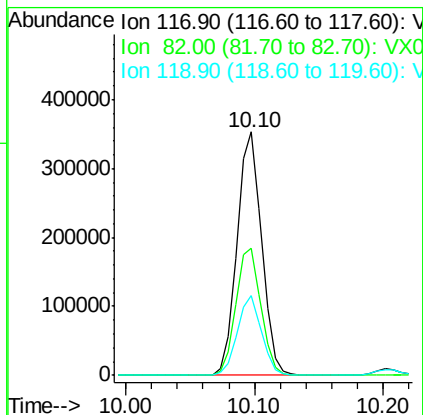
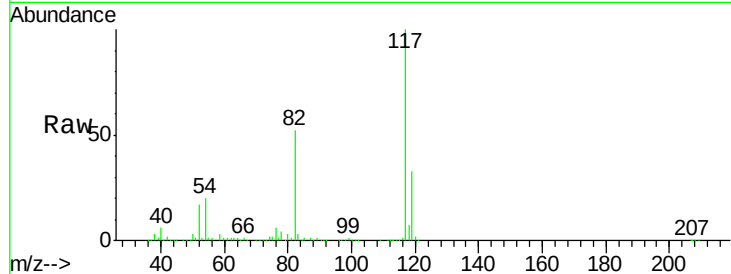
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	52.2	42.0	63.0	
119	32.6	26.3	39.5	

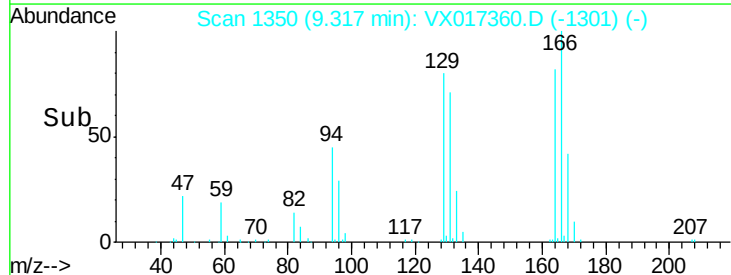
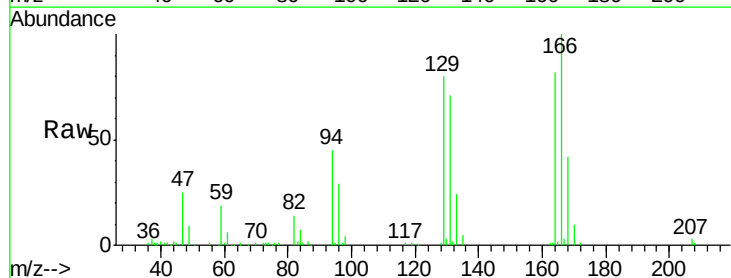
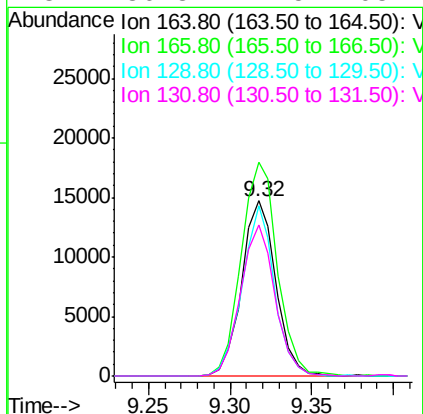
Manual Integrations
APPROVED

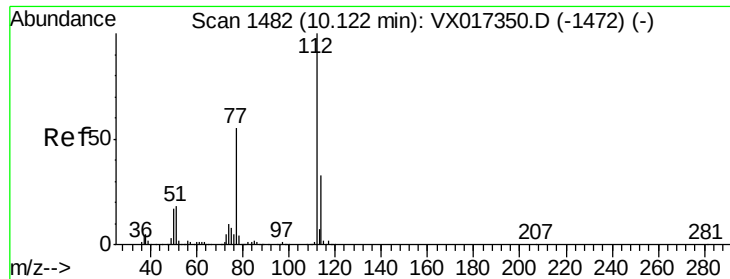
MMDadoda
7/14/2020 11:36:10 AM



#64
Tetrachloroethene
Concen: 5.261 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	122.2	103.9	155.9	
129	97.1	72.9	109.3	
131	86.3	72.5	108.7	





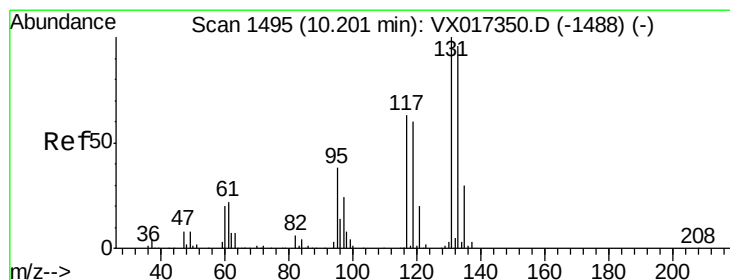
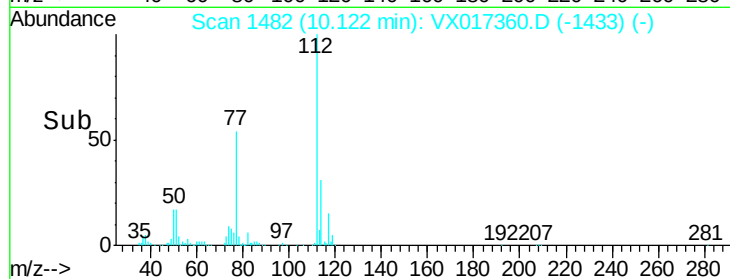
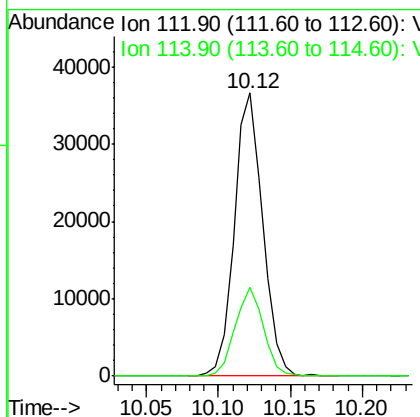
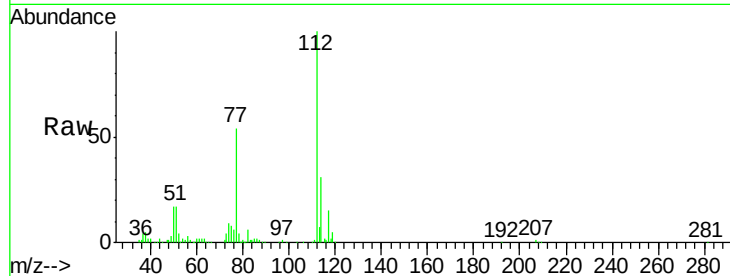
#65
Chlorobenzene
Concen: 5.268 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	50190		
114	31.2	26.0	39.0	

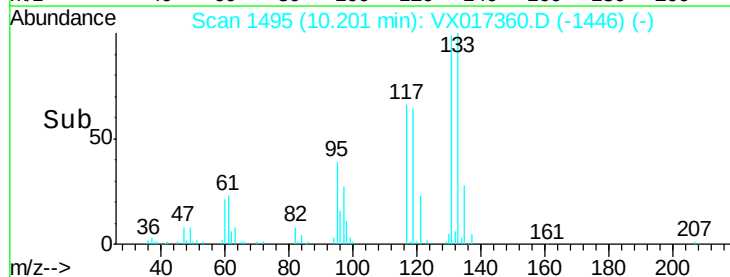
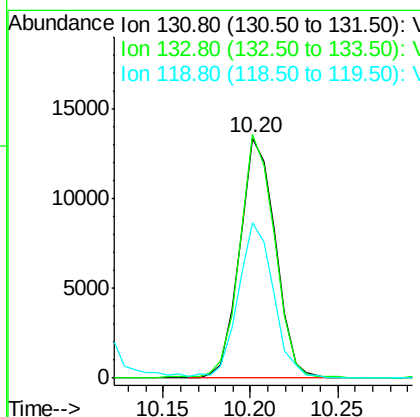
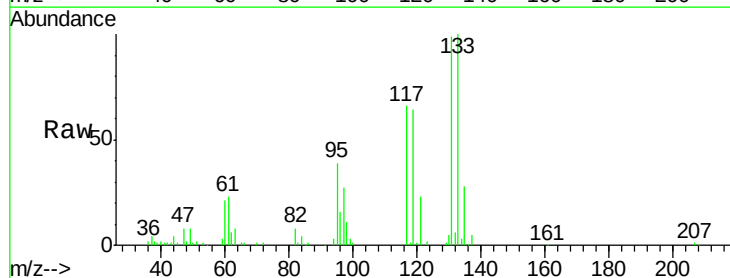
Manual Integrations
APPROVED

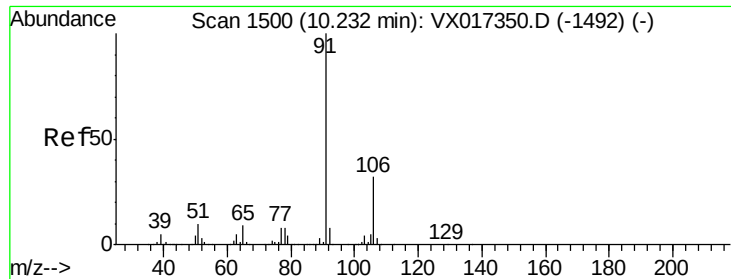
MMDadoda
7/14/2020 11:36:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.998 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	18959		
133	100.2	48.4	145.2	
119	64.1	31.2	93.6	





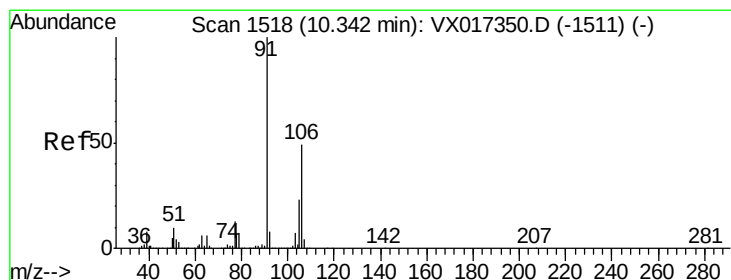
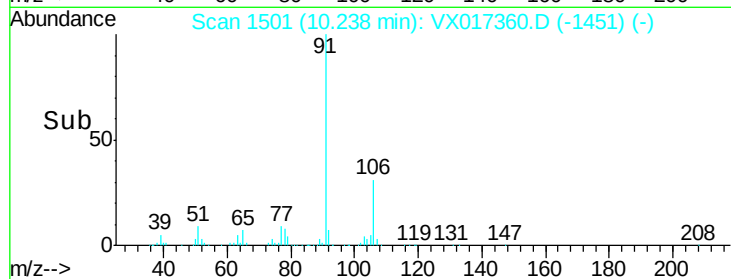
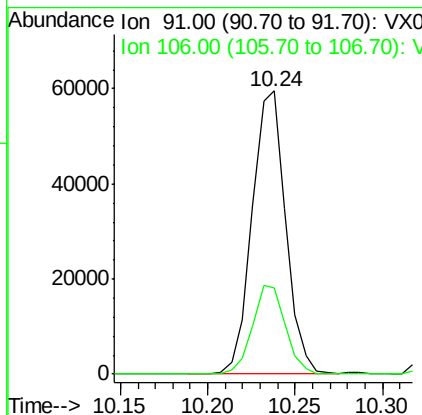
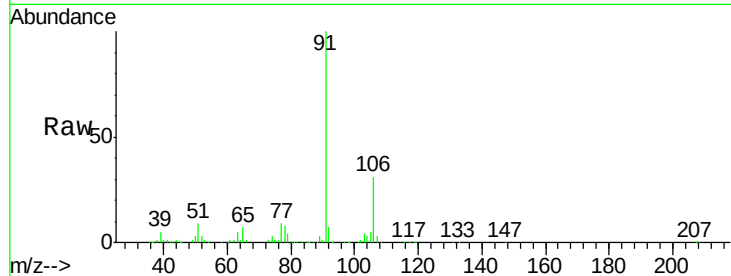
#67
Ethyl Benzene
Concen: 5.042 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 91 Resp: 79963
Ion Ratio Lower Upper
91 100
106 30.6 25.7 38.5

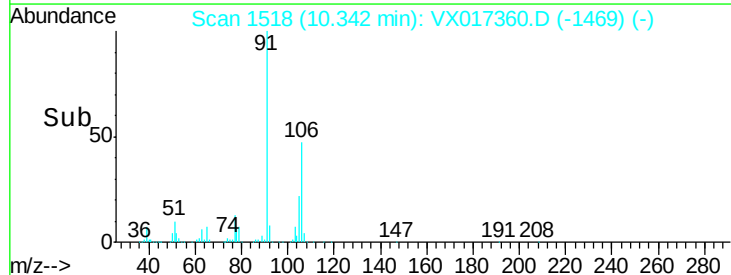
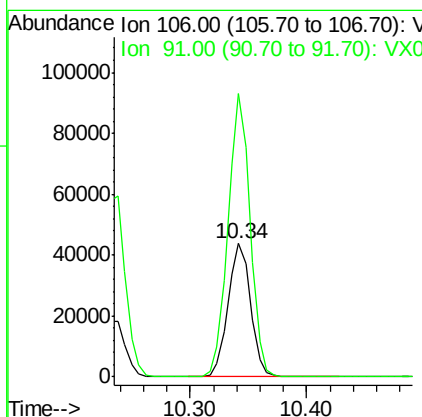
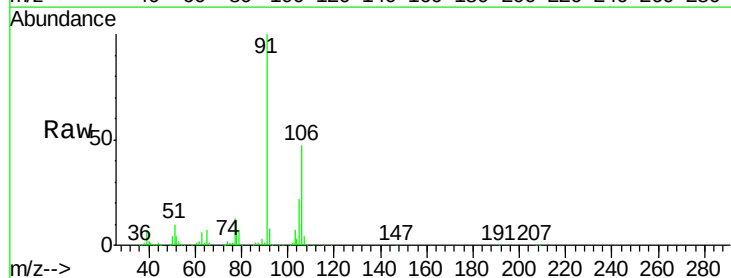
Manual Integrations
APPROVED

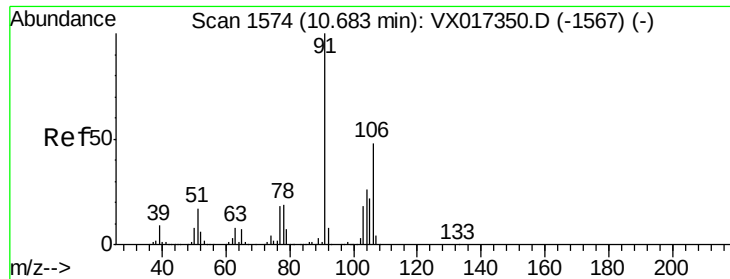
MMDadoda
7/14/2020 11:36:10 AM



#68
m/p-Xylenes
Concen: 9.869 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion: 106 Resp: 59555
Ion Ratio Lower Upper
106 100
91 206.1 162.5 243.7





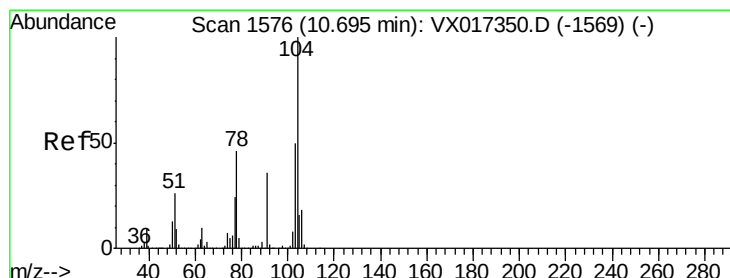
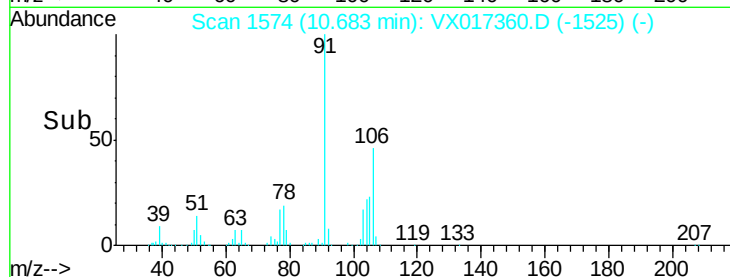
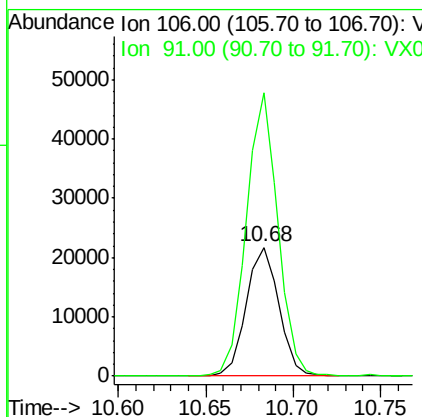
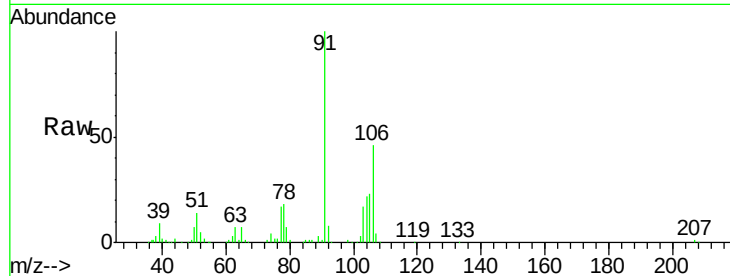
#69
o-Xylene
Concen: 4.911 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion:106 Resp: 28317
Ion Ratio Lower Upper
106 100
91 210.9 106.1 318.1

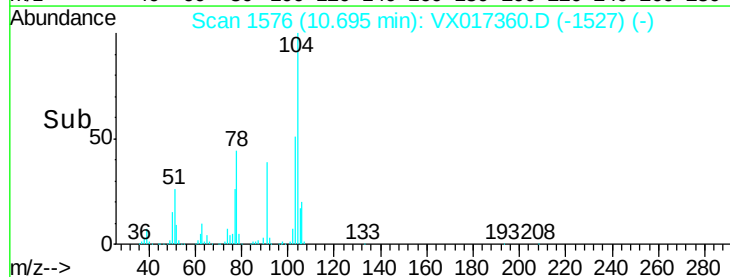
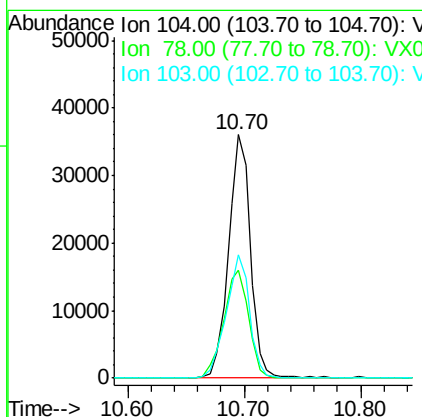
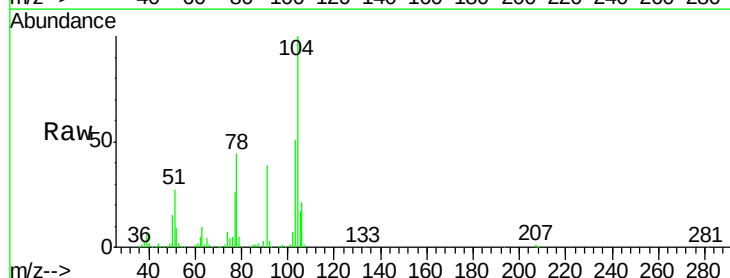
Manual Integrations
APPROVED

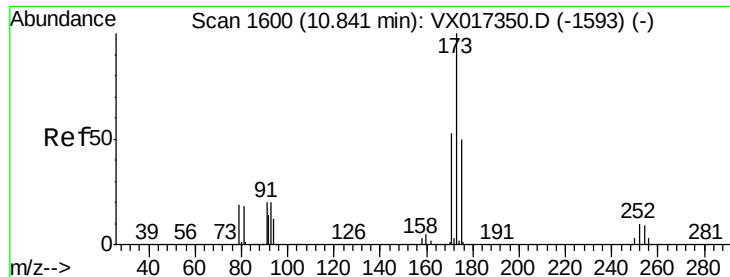
MMDadoda
7/14/2020 11:36:10 AM



#70
Styrene
Concen: 4.785 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion:104 Resp: 47364
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 53.8 43.3 64.9





#71

Bromoform

Concen: 4.941 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

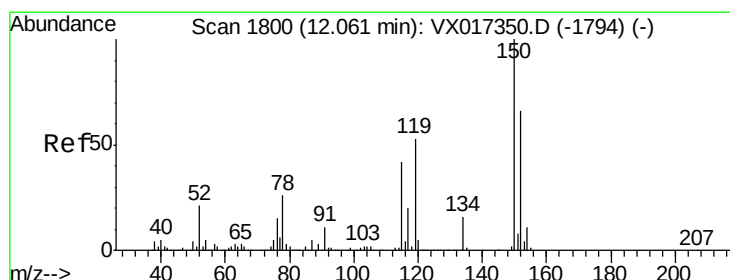
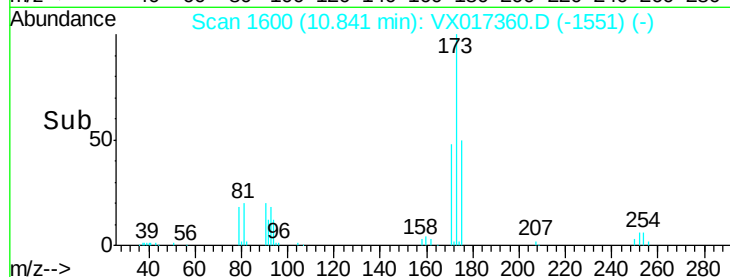
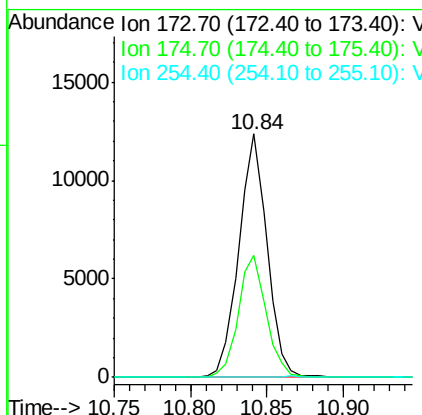
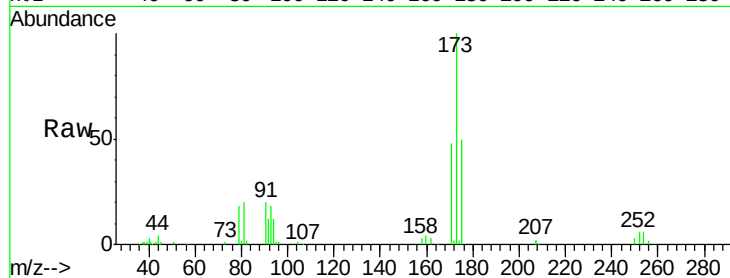
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.0	0.1	0.1#

Manual Integrations
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7/14/2020 11:36:10 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

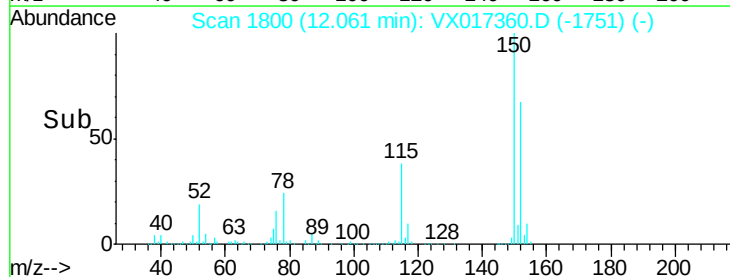
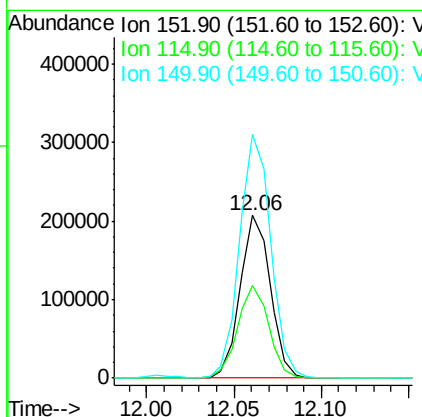
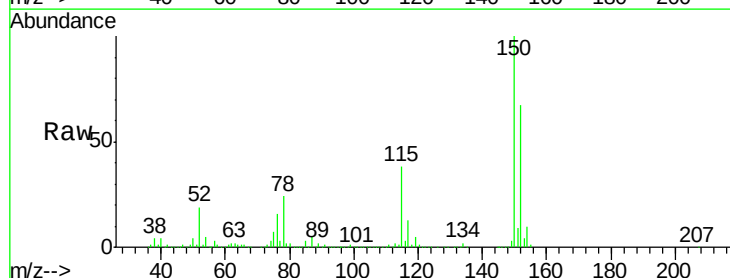
RT: 12.06 min Scan# 1800

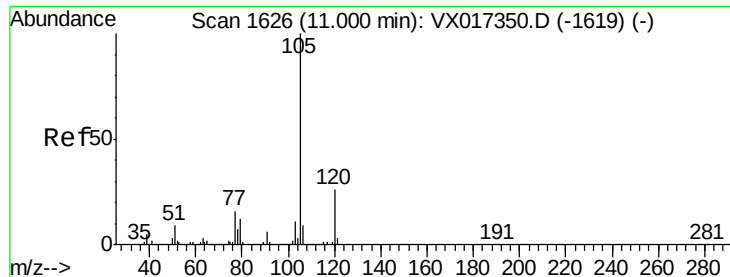
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	39.9	119.7
150	154.9	0.0	343.4





#73

Isopropylbenzene

Concen: 4.967 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 105 Resp: 77576

Ion Ratio Lower Upper

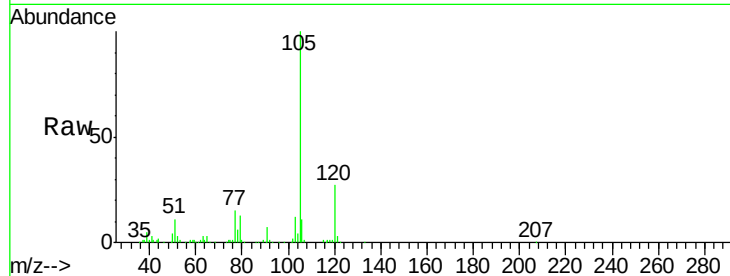
105 100

120 27.5 13.3 39.8

Manual Integrations
APPROVED

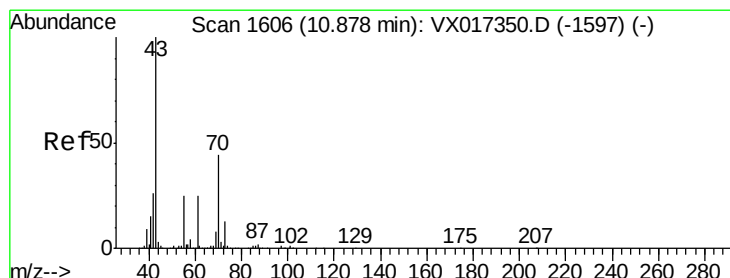
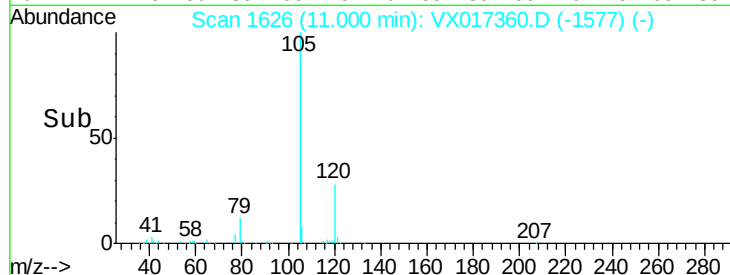
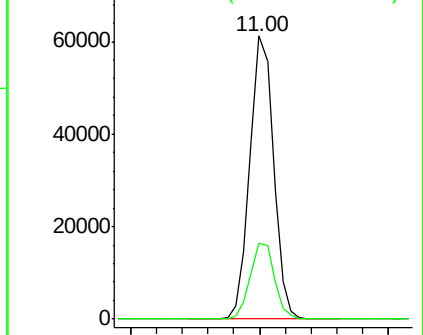
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.859 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion: 43 Resp: 30366

Ion Ratio Lower Upper

43 100

70 42.6 35.7 53.5

55 27.0 20.3 30.5

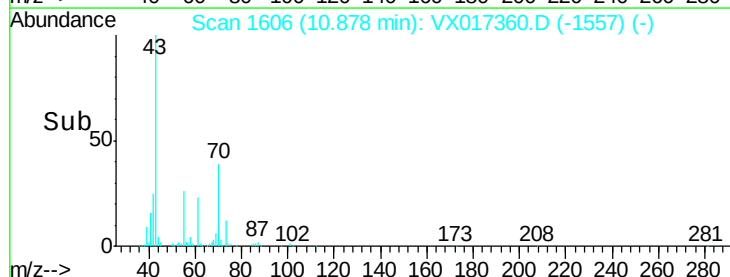
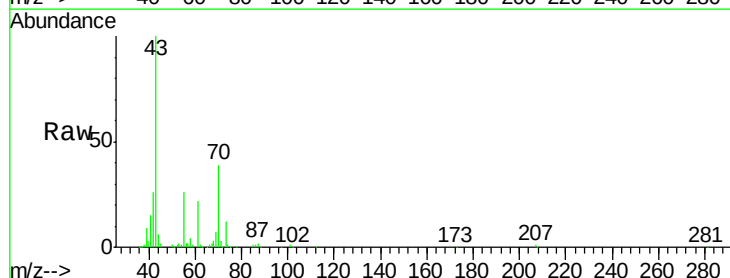
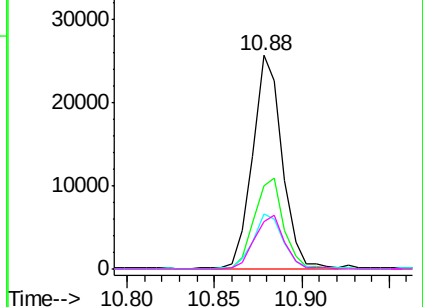
61 25.3 20.0 30.0

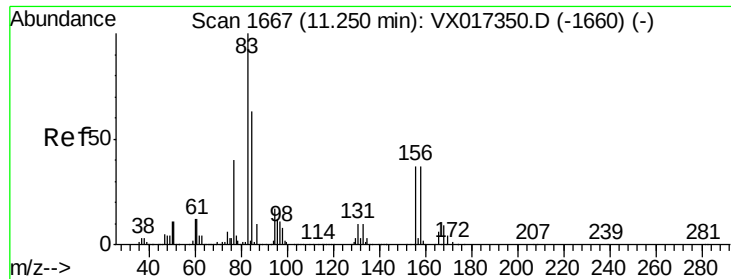
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.608 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

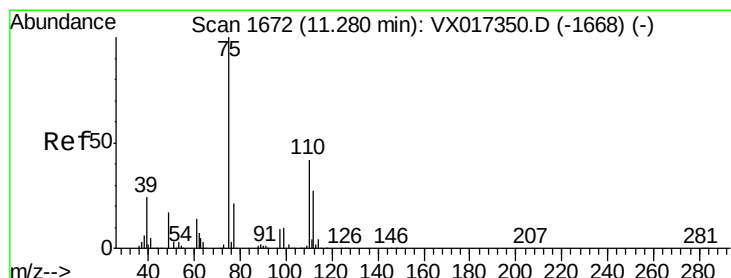
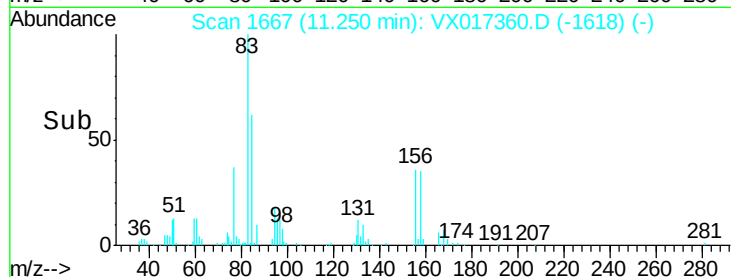
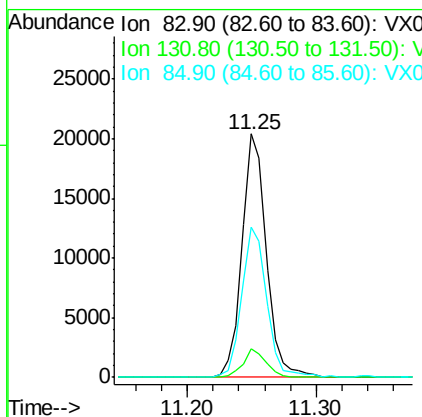
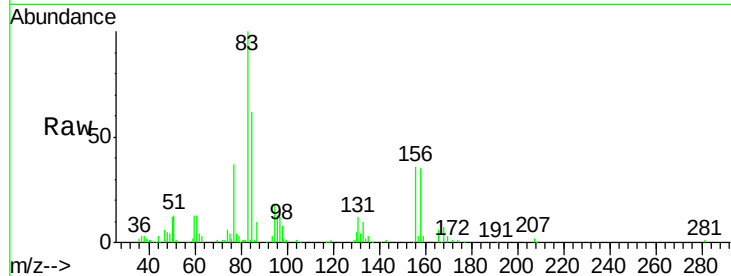
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	83	Resp:	26592
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.7
85	63.2	32.6	98.0

Manual Integrations
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7/14/2020 11:36:10 AM



#76

1,2,3-Trichloropropane

Concen: 5.580 ug/l m

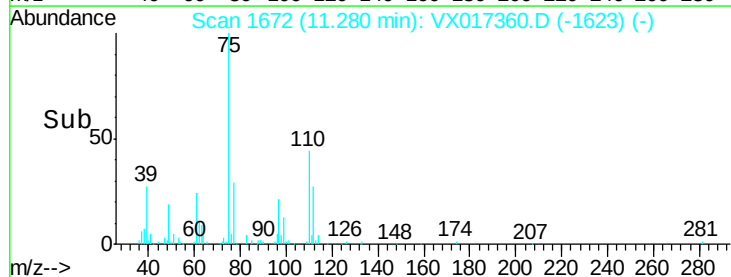
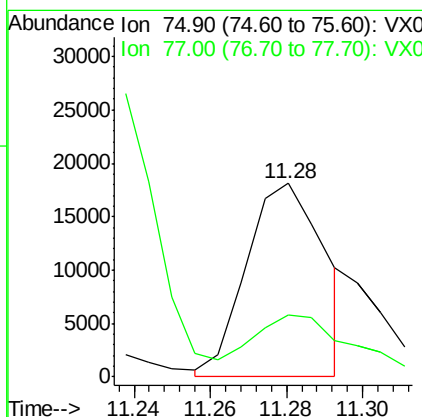
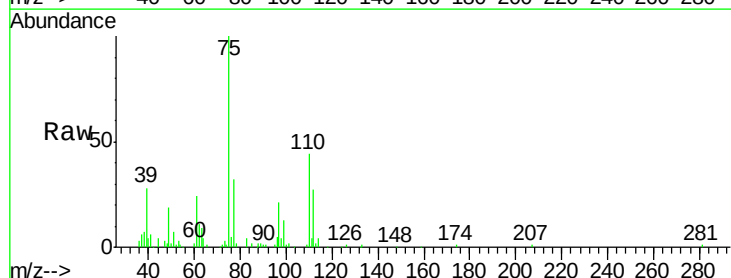
RT: 11.28 min Scan# 1672

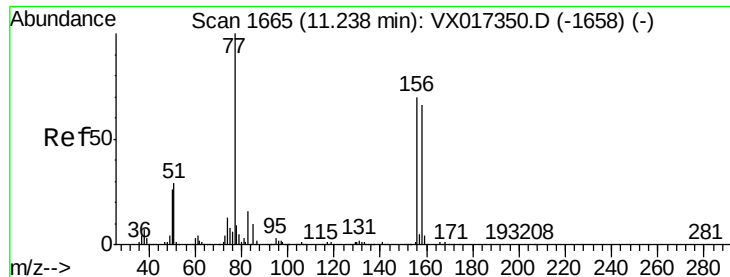
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion:	75	Resp:	25689
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.3	60.9





#77

Bromobenzene

Concen: 5.027 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

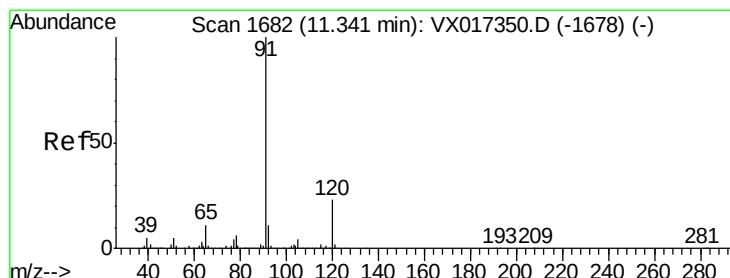
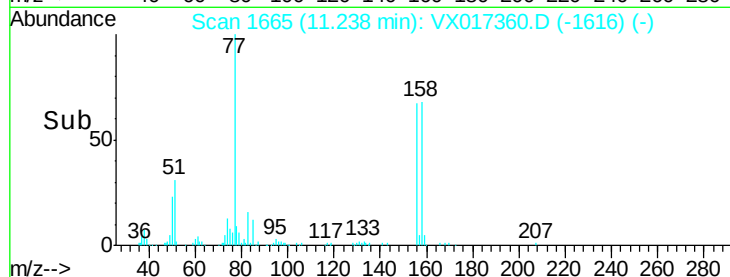
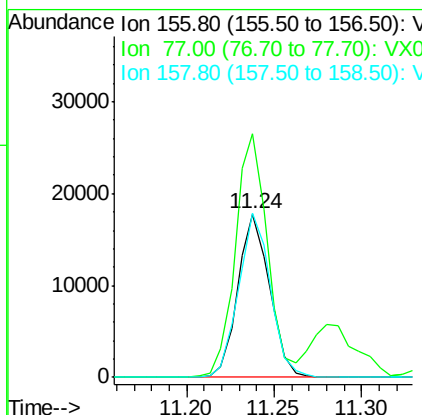
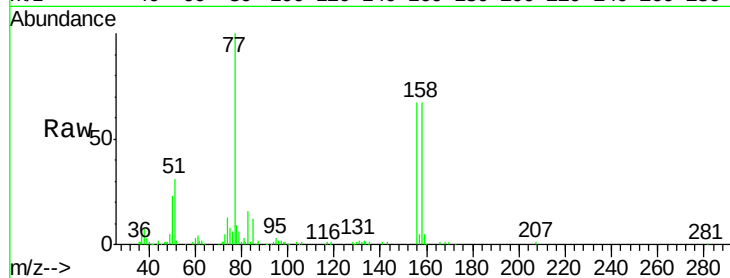
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	156	Resp:	22359
Ion	Ratio	Lower	Upper
156	100		
77	151.1	72.1	216.3
158	100.8	47.4	142.3

Manual Integrations
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MMDadoda
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#78

n-propylbenzene

Concen: 5.092 ug/l

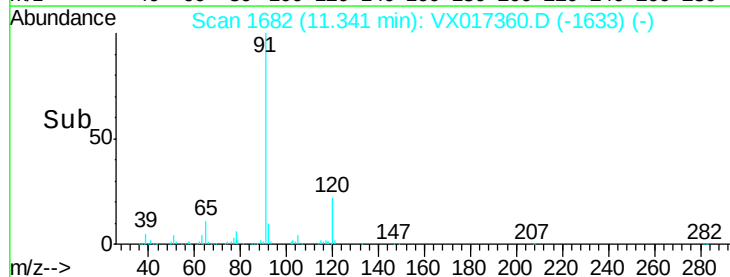
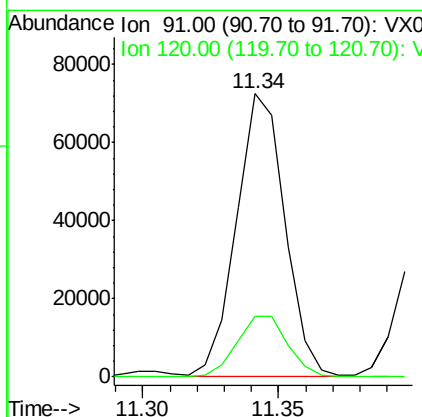
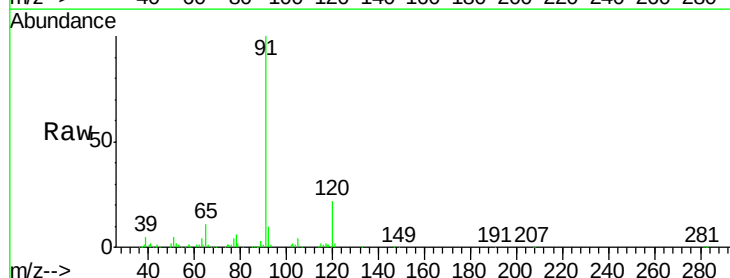
RT: 11.34 min Scan# 1682

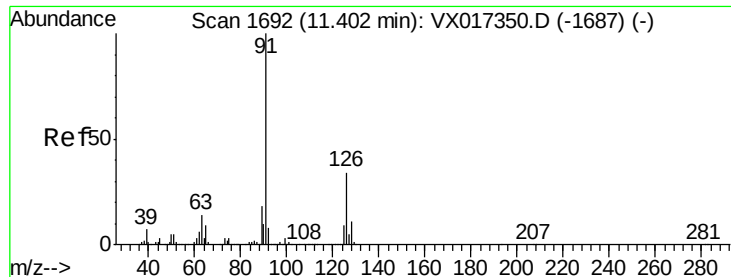
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion:	91	Resp:	89308
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 5.100 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 91 Resp: 55122

Ion Ratio Lower Upper

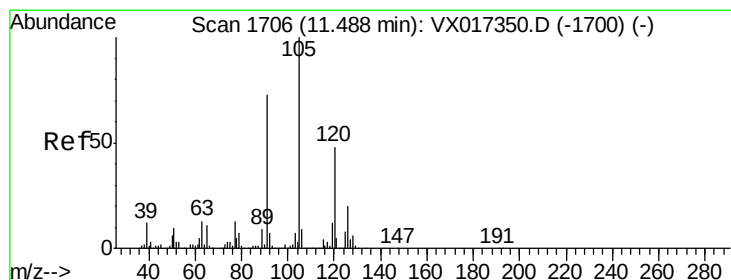
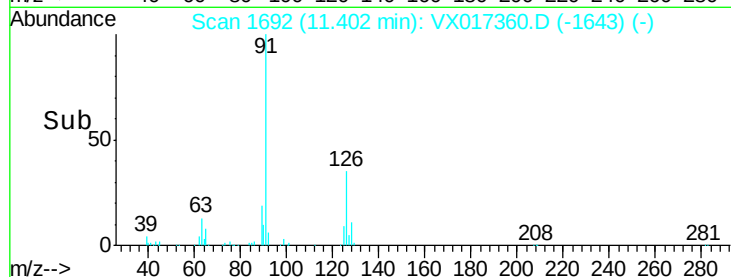
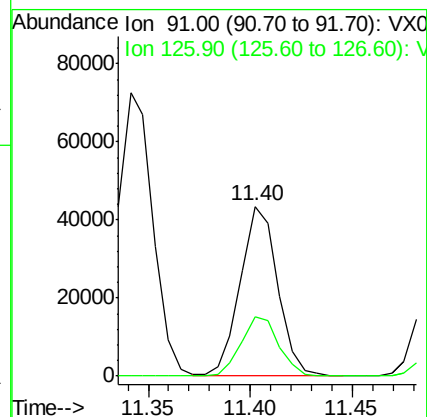
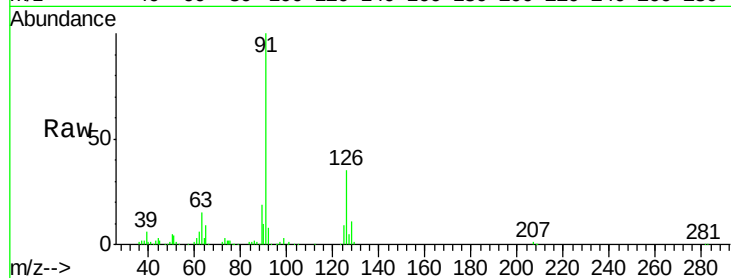
91 100

126 35.9 17.4 52.3

Manual Integrations
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MMDadoda

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#80

1,3,5-Trimethylbenzene

Concen: 4.978 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX017360.D

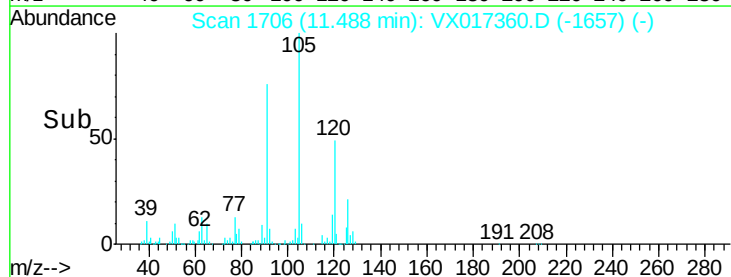
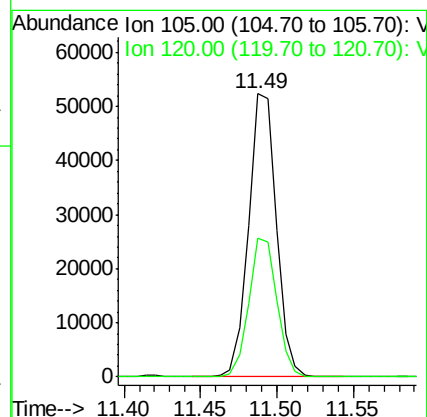
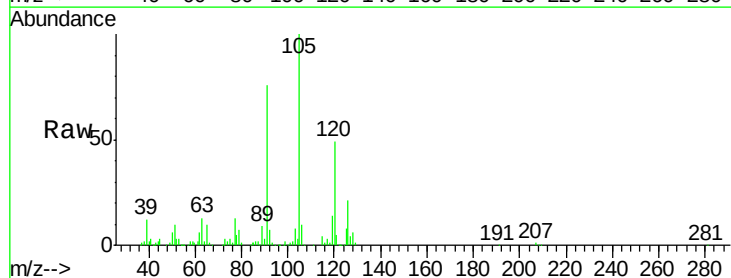
Acq: 13 Jul 2020 17:59

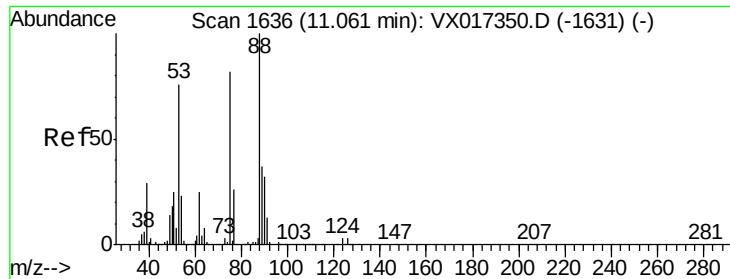
Tgt Ion: 105 Resp: 65998

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.547 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

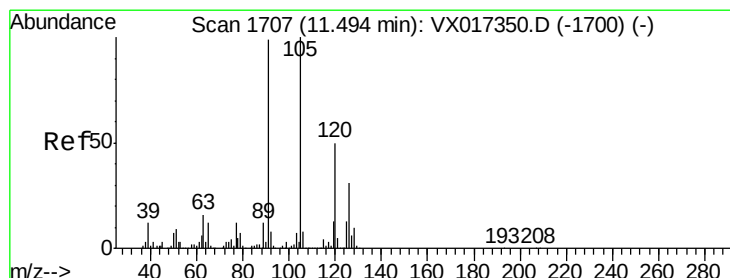
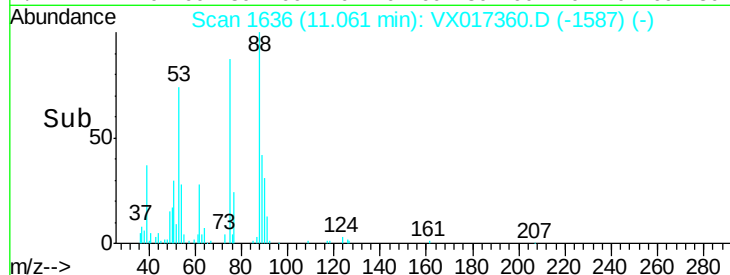
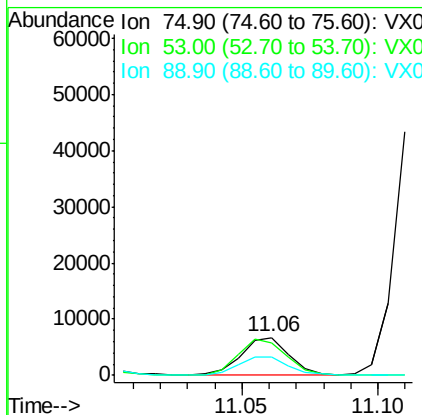
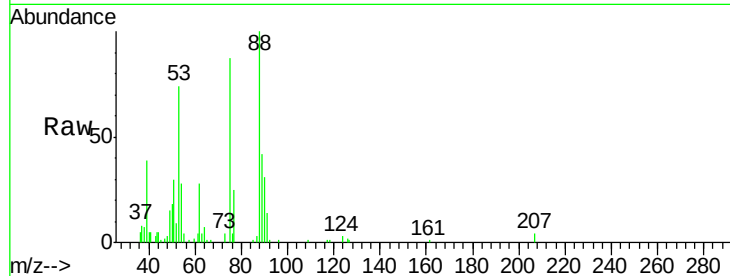
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	75	Resp:	8252
Ion	Ratio	Lower	Upper
75	100		
53	100.1	76.5	114.7
89	50.3	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.026 ug/l

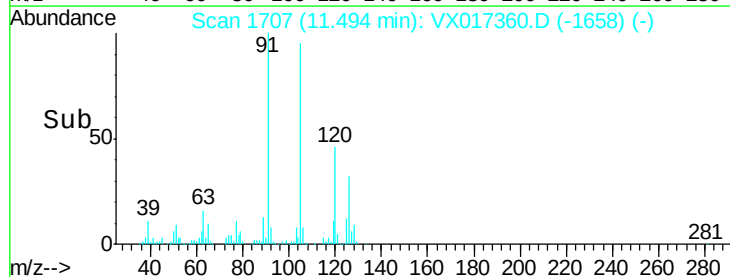
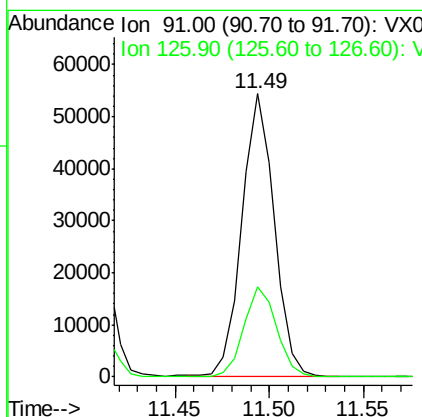
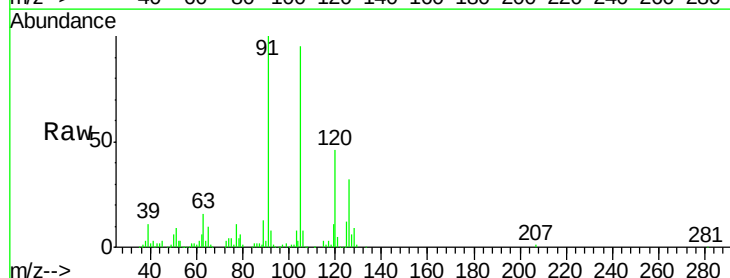
RT: 11.49 min Scan# 1707

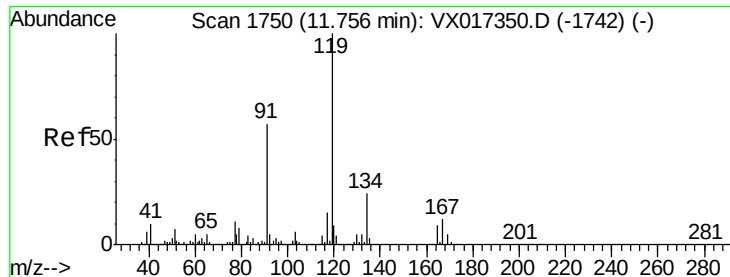
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion:	91	Resp:	64382
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.4	46.2





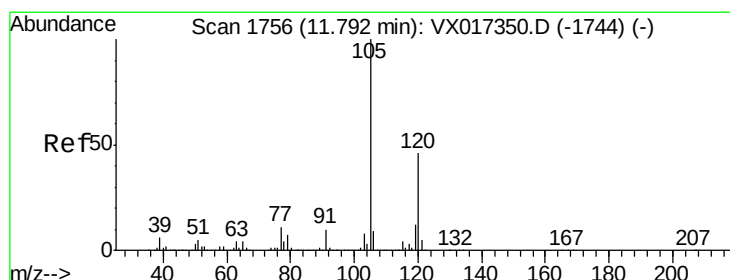
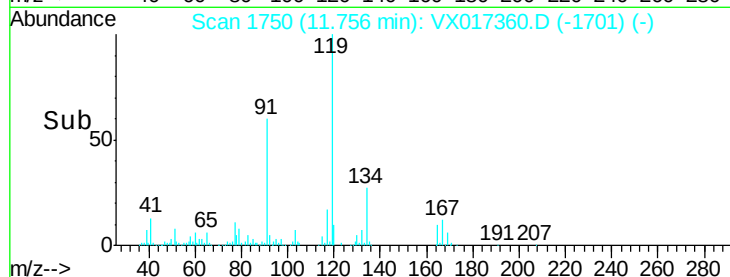
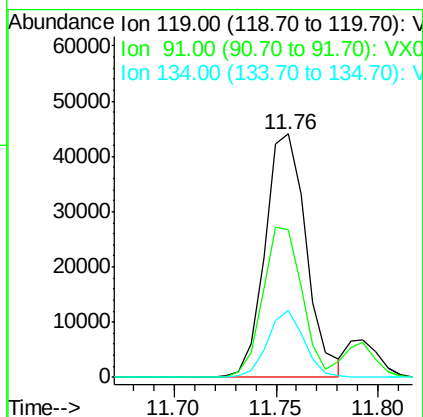
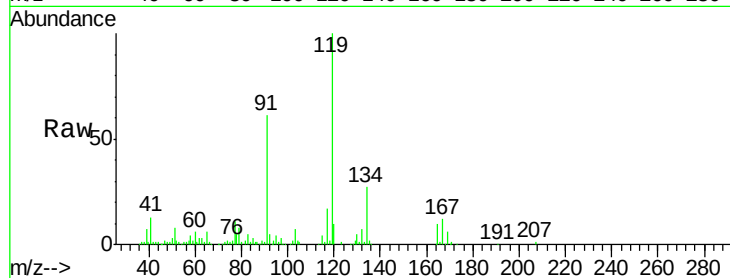
#83
tert-Butylbenzene
Concen: 4.844 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.7	28.5	85.6
134	24.4	11.9	35.9

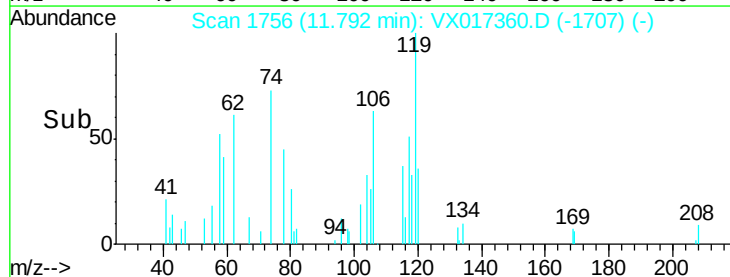
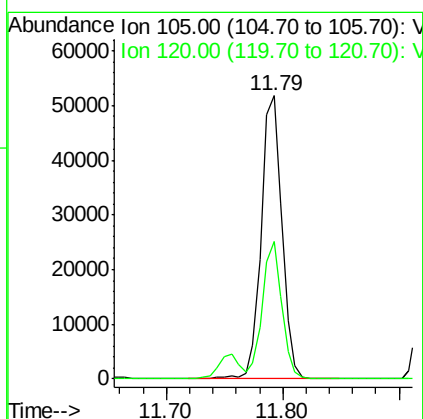
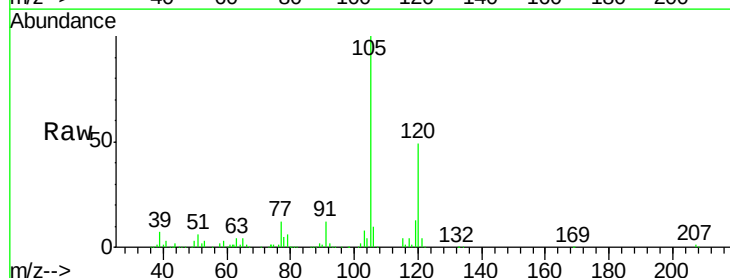
Manual Integrations
APPROVED

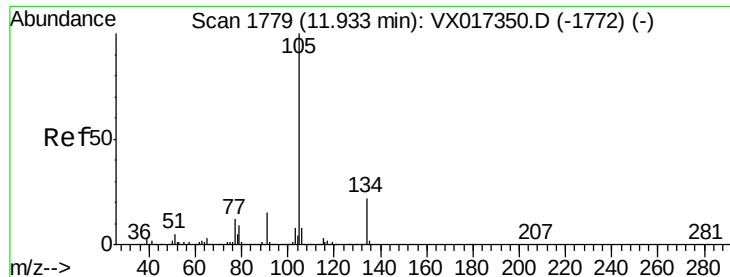
MMDadoda
7/14/2020 11:36:10 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.837 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 4.841 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:105 Resp: 72637

Ion Ratio Lower Upper

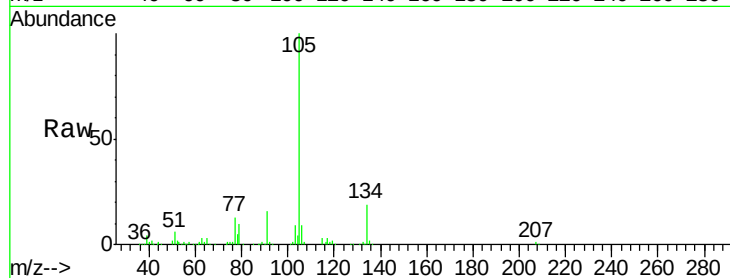
105 100

134 20.3 10.5 31.5

Manual Integrations
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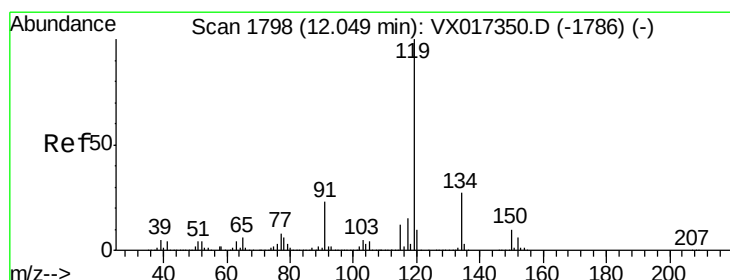
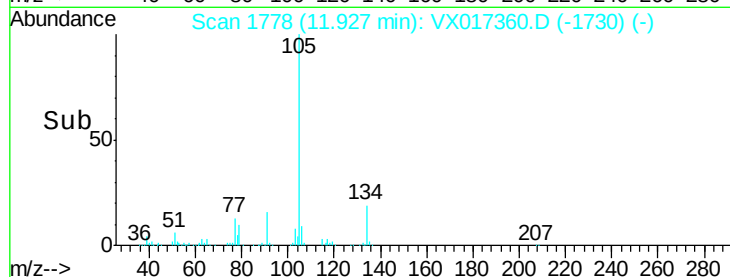
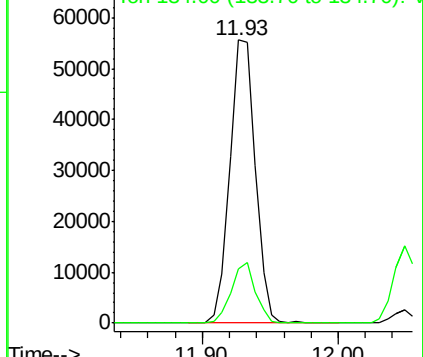
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.855 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

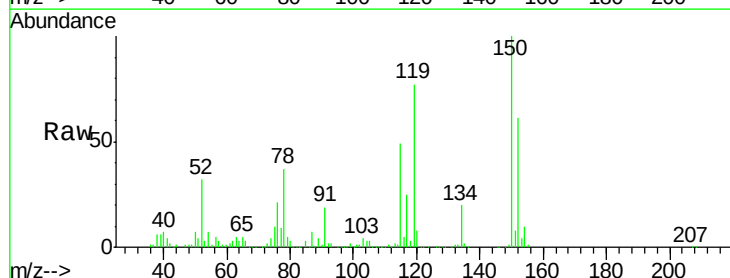
Tgt Ion:119 Resp: 68927

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

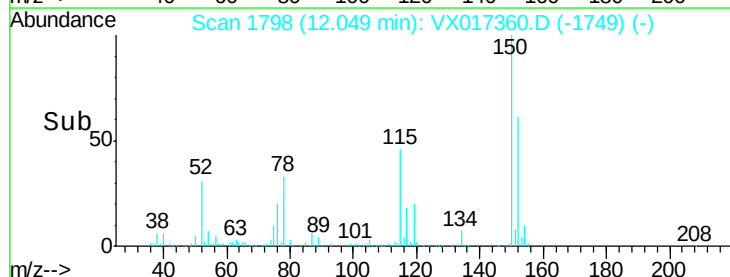
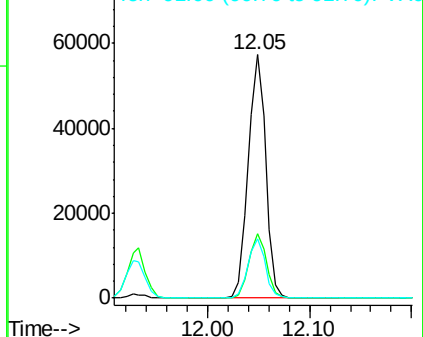
91 24.4 11.8 35.3

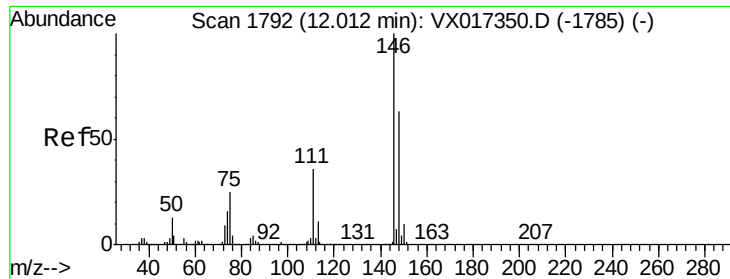


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.170 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

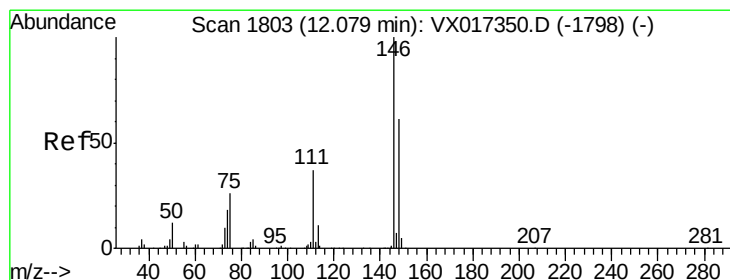
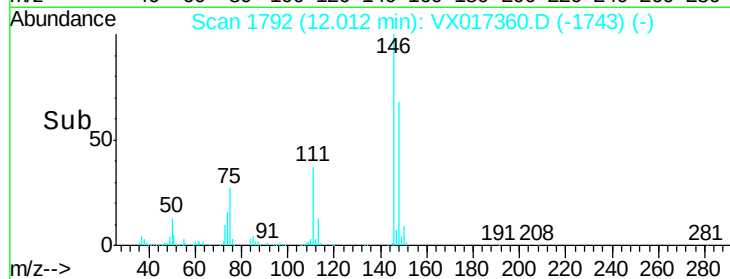
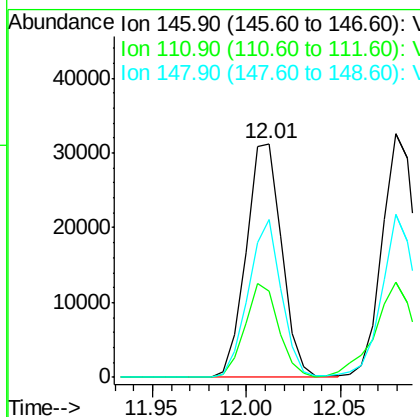
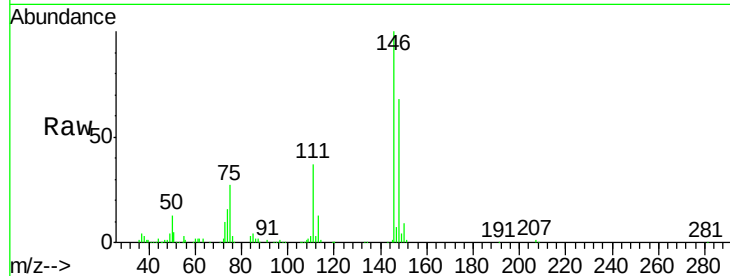
Instrument :
MSVOA_X

ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.2	57.6
148	62.5	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.110 ug/l

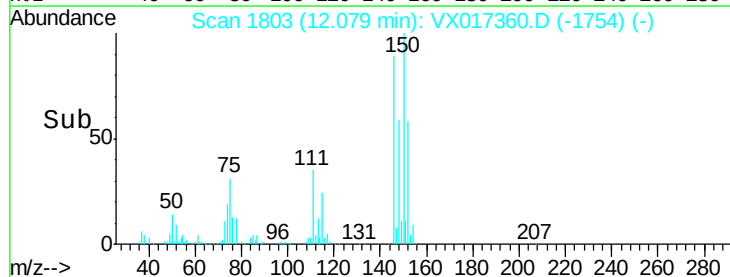
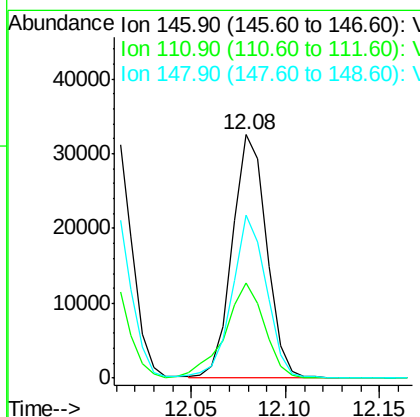
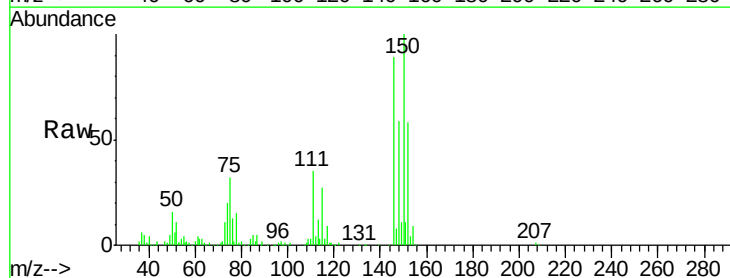
RT: 12.08 min Scan# 1803

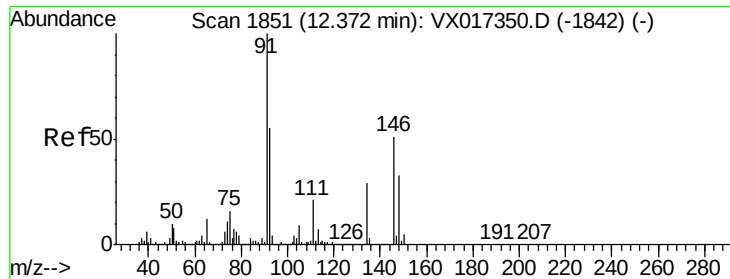
Delta R.T. 0.00 min

Lab File: VX017360.D

Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	18.9	56.9
148	67.0	31.9	95.9





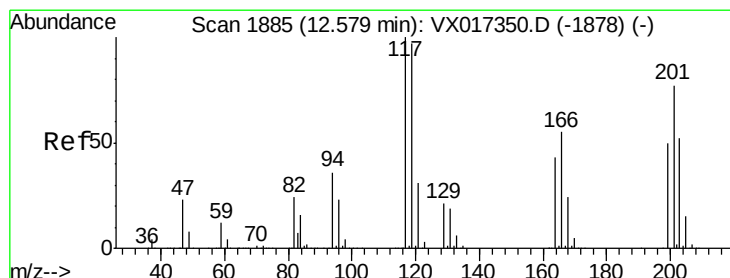
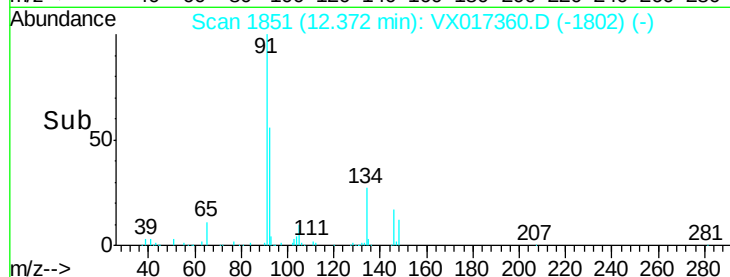
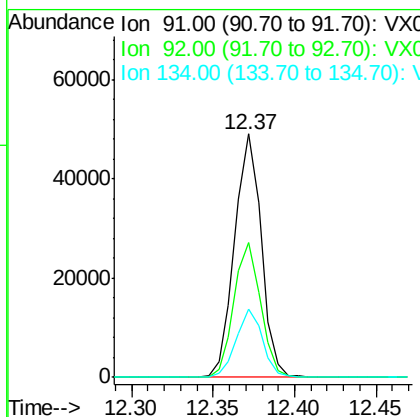
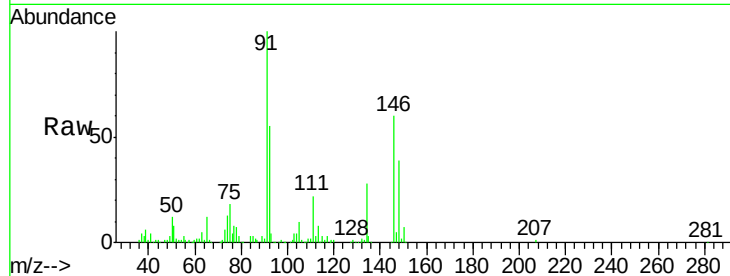
#89
n-Butylbenzene
Concen: 4.640 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.0	81.0
134	27.8	14.1	42.2

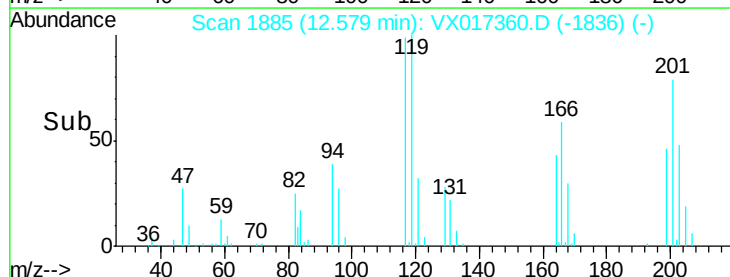
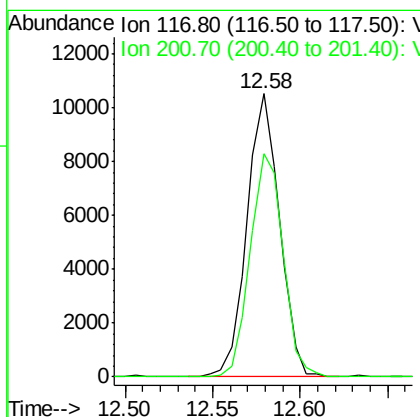
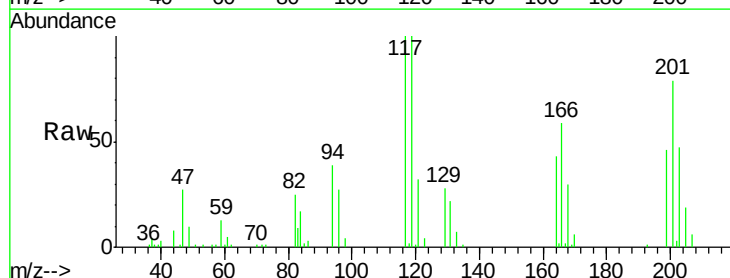
Manual Integrations
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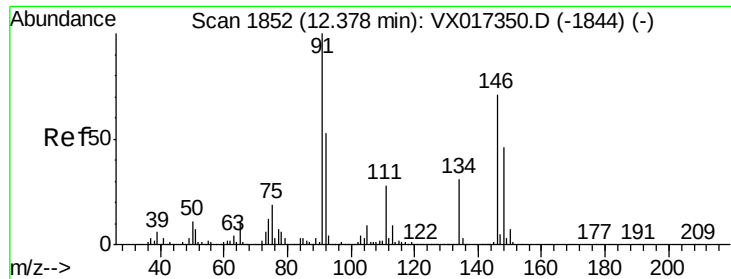
MMDadoda
7/14/2020 11:36:10 AM



#90
Hexachloroethane
Concen: 5.044 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	41.0	123.0





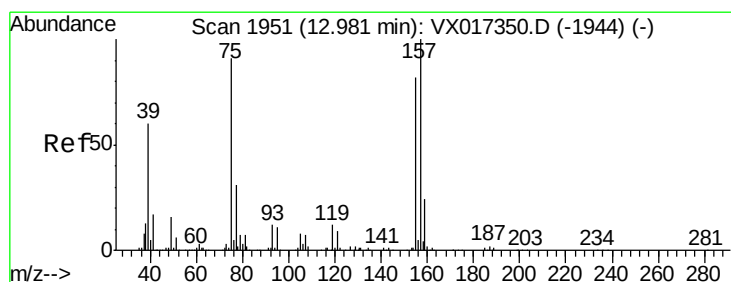
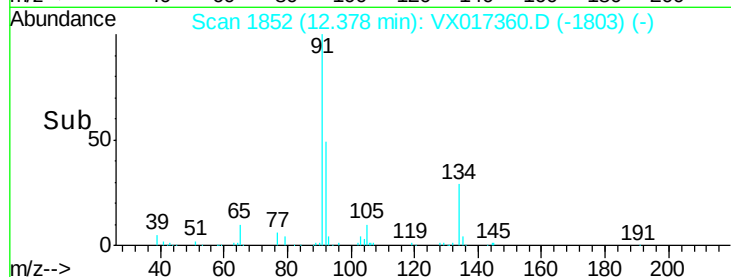
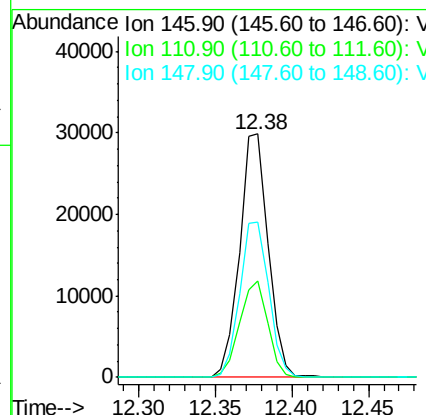
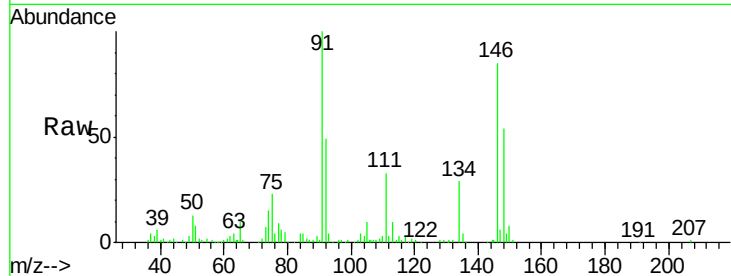
#91
 1,2-Dichlorobenzene
 Concen: 5.180 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.3	61.0
148	64.8	32.0	96.0

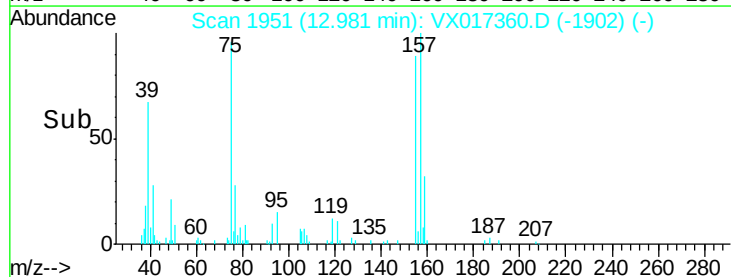
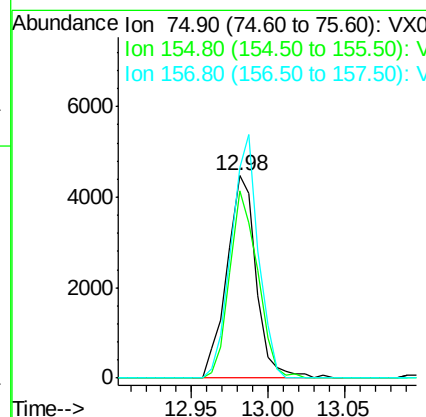
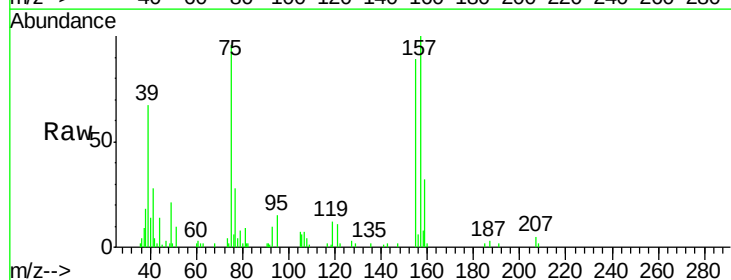
Manual Integrations
 APPROVED

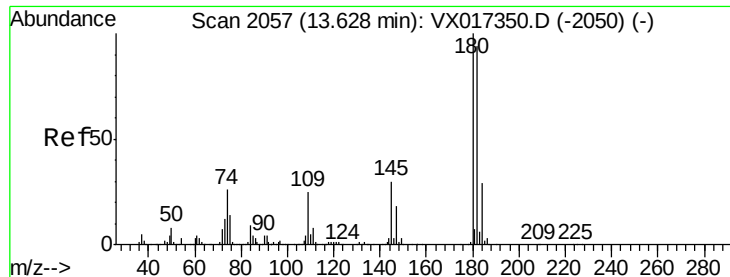
MMDadoda
 7/14/2020 11:36:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.766 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017360.D
 Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.1	46.5	139.3
157	110.6	58.0	173.9





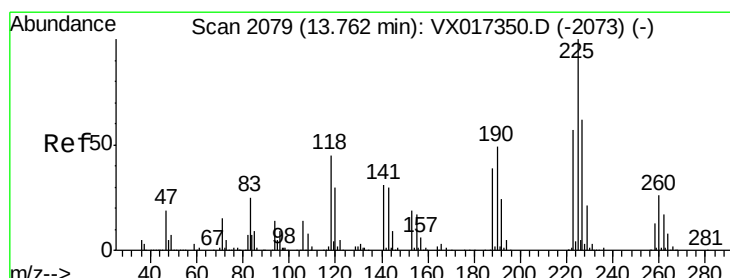
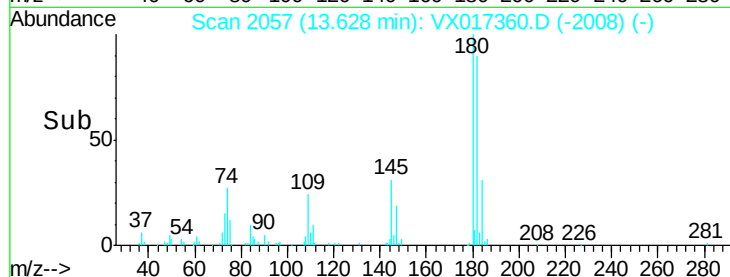
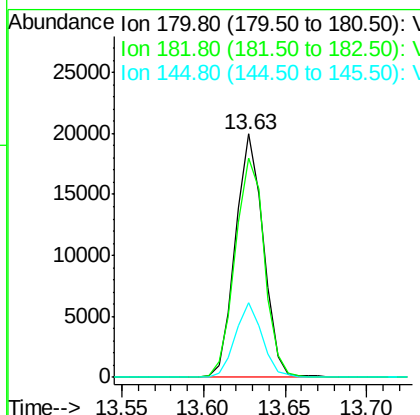
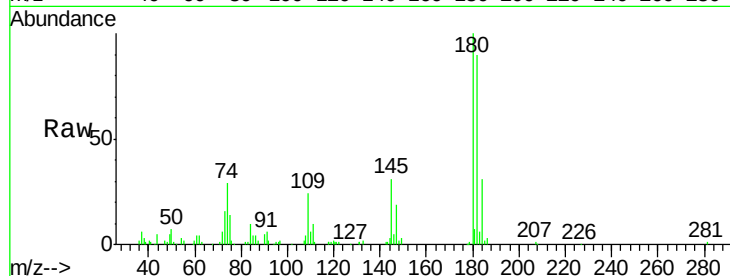
#93
1,2,4-Trichlorobenzene
Concen: 4.604 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	23895		
182	93.8		48.4	145.0
145	29.3		15.3	45.8

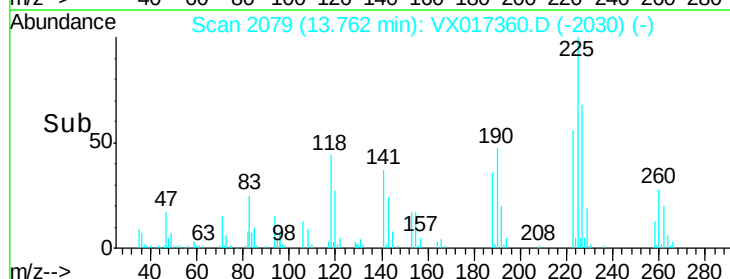
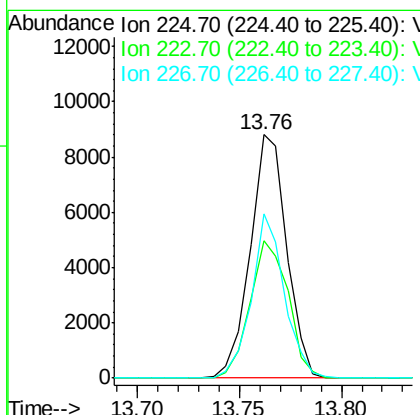
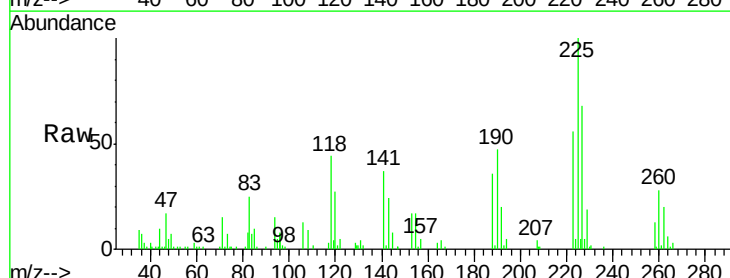
Manual Integrations
APPROVED

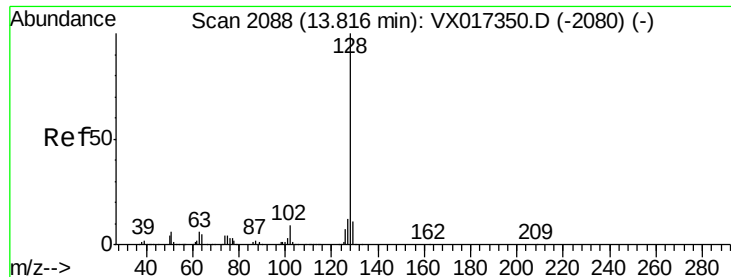
MMDadoda
7/14/2020 11:36:10 AM



#94
Hexachlorobutadiene
Concen: 5.176 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10956		
223	58.9		31.3	93.8
227	61.1		31.6	95.0





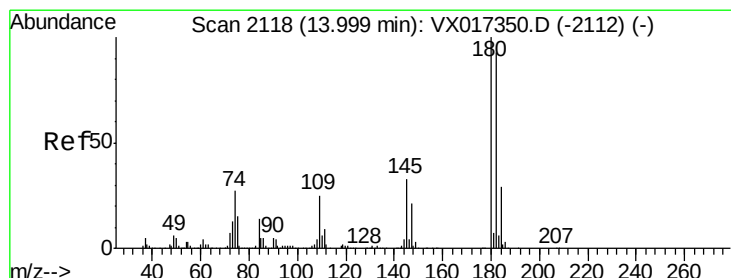
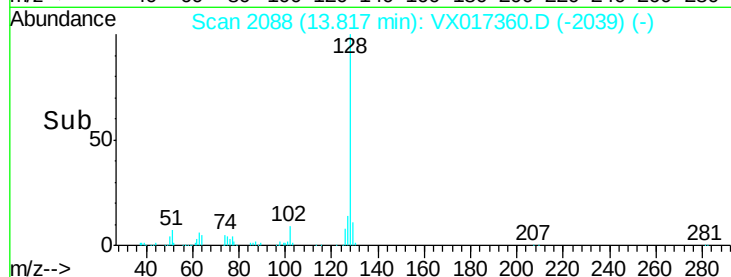
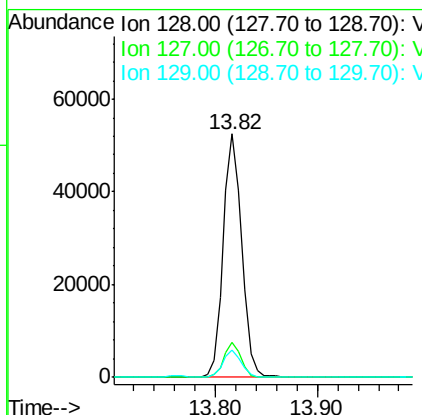
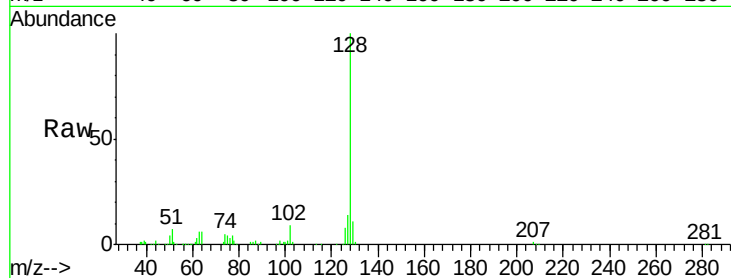
#95
Naphthalene
Concen: 4.364 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.789 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017360.D
Acq: 13 Jul 2020 17:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	48.8	146.3
145	31.3	16.6	49.7

