

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017358.D
 Acq On : 13 Jul 2020 17:13
 Operator : JC/SP
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:05 AM

Quant Time: Jul 14 03:40:25 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	322699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	511067	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	483399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	247584	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	199920	49.36	ug/l	0.00
Spiked Amount						
			Recovery	=	98.72%	
35) Dibromofluoromethane	5.46	113	165354	48.03	ug/l	0.00
Spiked Amount						
			Recovery	=	96.06%	
50) Toluene-d8	8.70	98	602525	48.52	ug/l	0.00
Spiked Amount						
			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.12	95	222254	45.06	ug/l	0.00
Spiked Amount						
			Recovery	=	90.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	6371	2.333	ug/l	93
3) Chloromethane	1.31	50	8147	2.650	ug/l	99
4) Vinyl Chloride	1.39	62	7824	2.573	ug/l	98
5) Bromomethane	1.63	94	6486	3.276	ug/l	91
6) Chloroethane	1.71	64	4867	2.535	ug/l	91
7) Trichlorofluoromethane	1.92	101	12926	2.518	ug/l	91
8) Diethyl Ether	2.17	74	4526	2.494	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8121	2.777	ug/l	95
10) Methyl Iodide	2.49	142	6165	1.738	ug/l	97
11) Tert butyl alcohol	3.01	59	8661	12.692	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	8124	2.766	ug/l	87
13) Acrolein	2.27	56	4031	10.776	ug/l	87
14) Allyl chloride	2.71	41	13462	2.646	ug/l	98
15) Acrylonitrile	3.12	53	21749	13.148	ug/l	96
16) Acetone	2.42	43	18764	12.986	ug/l	91
17) Carbon Disulfide	2.55	76	23005	2.685	ug/l	99
18) Methyl Acetate	2.75	43	9549	2.676	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	25591	2.566	ug/l	99
20) Methylene Chloride	2.83	84	9818	2.785	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	9069	2.699	ug/l	88
22) Diisopropyl ether	3.82	45	25204	2.600	ug/l	94
23) Vinyl Acetate	3.79	43	106441	12.486	ug/l	99
24) 1,1-Dichloroethane	3.67	63	15530	2.726	ug/l	97
25) 2-Butanone	4.65	43	30536	13.306	ug/l	96
26) 2,2-Dichloropropane	4.55	77	13304	2.509	ug/l	82
27) cis-1,2-Dichloroethene	4.57	96	9803	2.661	ug/l	97
28) Bromochloromethane	4.98	49	7699	2.926	ug/l	94
29) Tetrahydrofuran	5.10	42	18809	12.661	ug/l	99
30) Chloroform	5.18	83	16613	2.711	ug/l	96
31) Cyclohexane	5.54	56	11601	2.488	ug/l	91
32) 1,1,1-Trichloroethane	5.46	97	15029	2.653	ug/l	96
36) 1,1-Dichloropropene	5.77	75	12479	2.655	ug/l	97
37) Ethyl Acetate	4.80	43	11627	2.392	ug/l #	77
38) Carbon Tetrachloride	5.76	117	12900	2.344	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX071358.D
 Acq On : 13 Jul 2020 17:13
 Operator : JC/SP
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:05 AM

Quant Time: Jul 14 03:40:25 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)
39) Methylcyclohexane	7.43	83	12151	2.380	ug/l	96
40) Benzene	6.11	78	34925	2.585	ug/l	96
41) Methacrylonitrile	5.01	41	6561	2.514	ug/l #	84
42) 1,2-Dichloroethane	6.17	62	13317	2.537	ug/l	91
43) Isopropyl Acetate	6.42	43	19929	2.565	ug/l	99
44) Trichloroethene	7.19	130	10708	2.595	ug/l	91
45) 1,2-Dichloropropane	7.49	63	9354	2.706	ug/l	93
46) Dibromomethane	7.64	93	6443	2.584	ug/l	97
47) Bromodichloromethane	7.87	83	13012	2.496	ug/l	97
48) Methyl methacrylate	7.75	41	9201	2.468	ug/l	96
49) 1,4-Dioxane	7.72	88	3951	51.792	ug/l #	79
51) 4-Methyl-2-Pentanone	8.62	43	57337	12.105	ug/l	99
52) Toluene	8.76	92	22177	2.558	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	13182	2.348	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	14614	2.440	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	9150	2.531	ug/l	98
56) Ethyl methacrylate	9.16	69	11749	2.289	ug/l	97
57) 1,3-Dichloropropane	9.35	76	14601	2.428	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.29	63	28504	10.938	ug/l	99
59) 2-Hexanone	9.47	43	41851	11.706	ug/l	96
60) Dibromochloromethane	9.57	129	10179	2.305	ug/l	97
61) 1,2-Dibromoethane	9.65	107	9810	2.494	ug/l	96
64) Tetrachloroethene	9.32	164	10867	2.597	ug/l	92
65) Chlorobenzene	10.12	112	25367	2.582	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.21	131	9404	2.404	ug/l	95
67) Ethyl Benzene	10.23	91	38509	2.355	ug/l	98
68) m/p-Xylenes	10.34	106	29366	4.719	ug/l	96
69) o-Xylene	10.68	106	14059	2.365	ug/l	98
70) Styrene	10.70	104	22517	2.206	ug/l	99
71) Bromoform	10.84	173	7411	2.245	ug/l #	100
73) Isopropylbenzene	11.00	105	36003	2.320	ug/l	97
74) N-amyl acetate	10.88	43	14044	2.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	12691	2.693	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	12192m	2.665	ug/l	
77) Bromobenzene	11.24	156	11662	2.638	ug/l	97
78) n-propylbenzene	11.34	91	42394	2.432	ug/l	100
79) 2-Chlorotoluene	11.40	91	26257	2.444	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	31252	2.372	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	4244	2.353	ug/l	92
82) 4-Chlorotoluene	11.49	91	31354	2.463	ug/l	99
83) tert-Butylbenzene	11.76	119	28942	2.273	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	30914	2.323	ug/l	100
85) sec-Butylbenzene	11.93	105	34445	2.310	ug/l	100
86) p-Isopropyltoluene	12.05	119	30649	2.172	ug/l	94
87) 1,3-Dichlorobenzene	12.01	146	19490	2.465	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	21363	2.674	ug/l	90
89) n-Butylbenzene	12.37	91	28213	2.345	ug/l	97
90) Hexachloroethane	12.58	117	6081	2.270	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	19803	2.665	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	3041	2.446	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071320\
Data File : VX017358.D
Acq On : 13 Jul 2020 17:13
Operator : JC/SP
Sample : L3216-07 2.5PPB LOD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

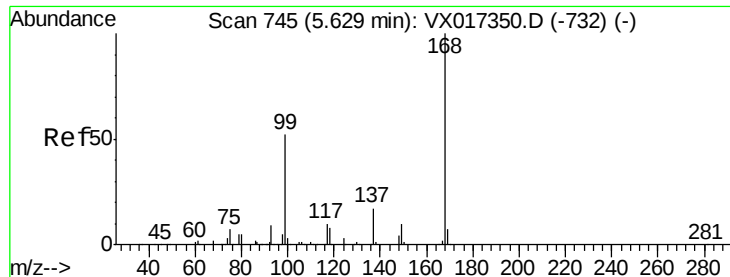
Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM

Quant Time: Jul 14 03:40:25 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)
93) 1,2,4-Trichlorobenzene	13.63	180	11428	2.215	ug/l	97
94) Hexachlorobutadiene	13.77	225	5373	2.554	ug/l	96
95) Naphthalene	13.82	128	32793	2.162	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	10982	2.204	ug/l	98

(#) = 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: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:168 Resp: 322699

Ion Ratio Lower Upper

168 100

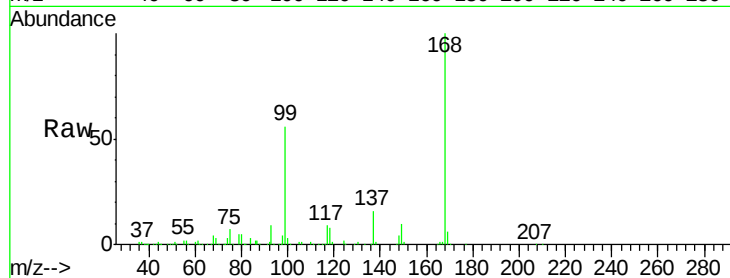
99 55.8 41.6 62.4

Manual Integrations

APPROVED

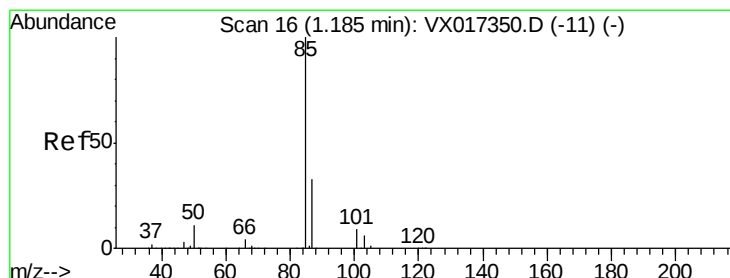
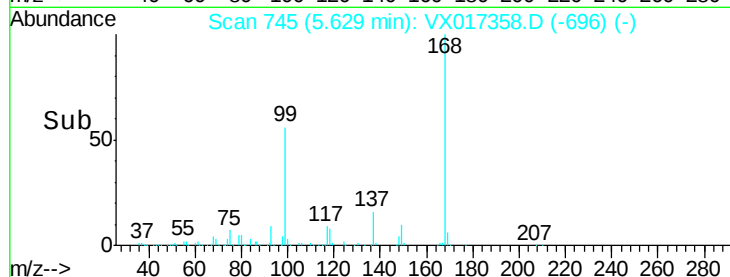
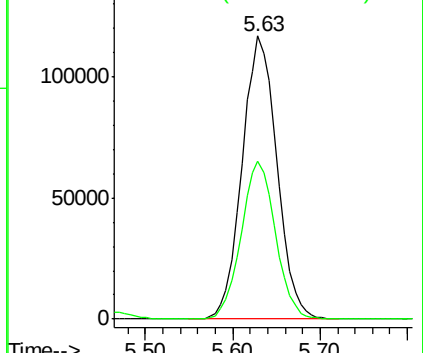
MMDadoda

7/14/2020 11:36:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 2.333 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017358.D

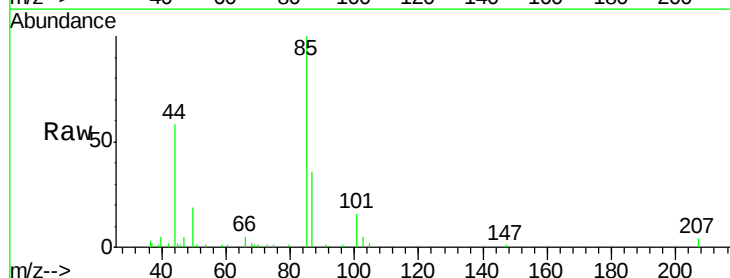
Acq: 13 Jul 2020 17:13

Tgt Ion: 85 Resp: 6371

Ion Ratio Lower Upper

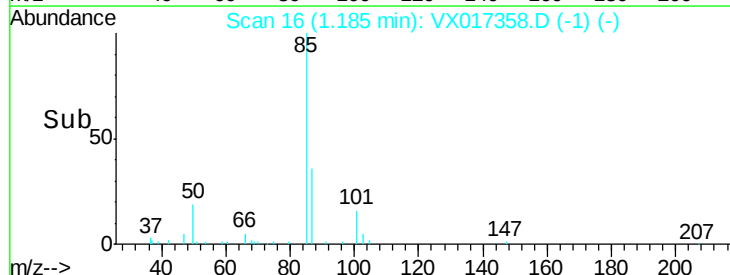
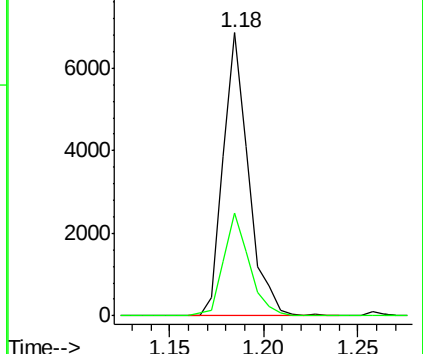
85 100

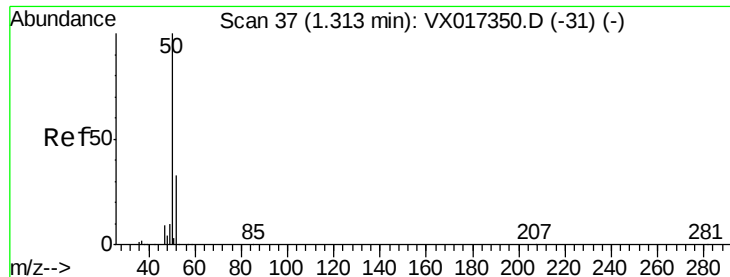
87 36.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 2.650 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 8147

Ion Ratio Lower Upper

50 100

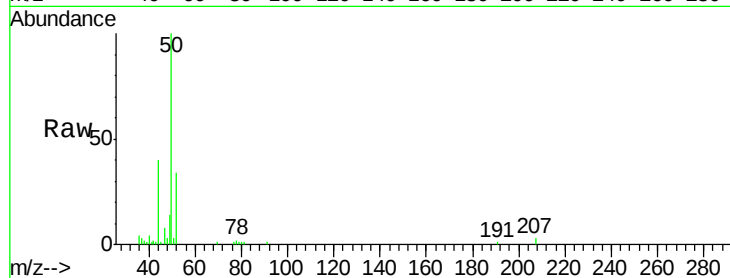
52 33.0 26.7 40.1

Manual Integrations

APPROVED

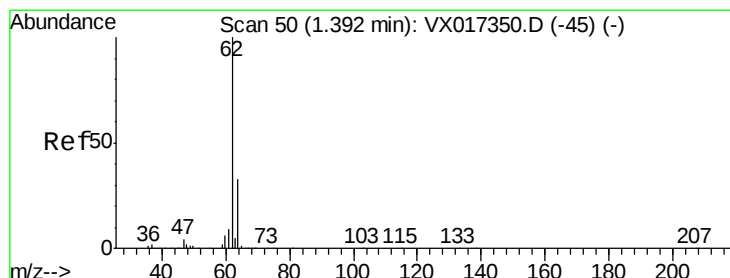
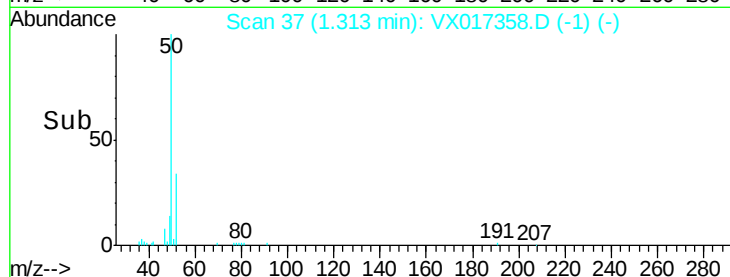
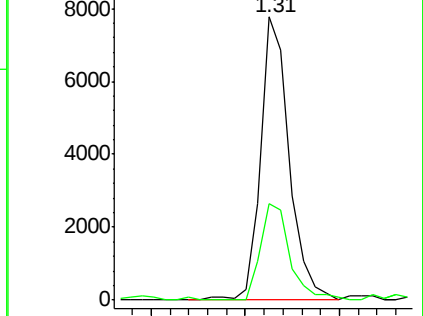
MMDadoda

7/14/2020 11:36:05 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.573 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017358.D

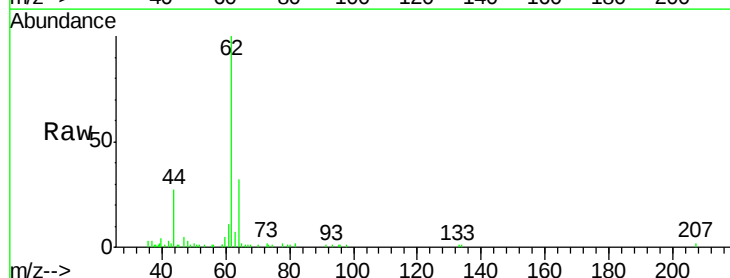
Acq: 13 Jul 2020 17:13

Tgt Ion: 62 Resp: 7824

Ion Ratio Lower Upper

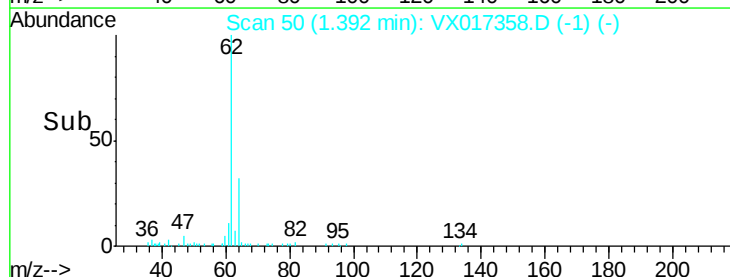
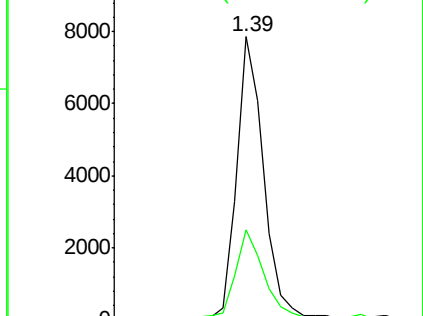
62 100

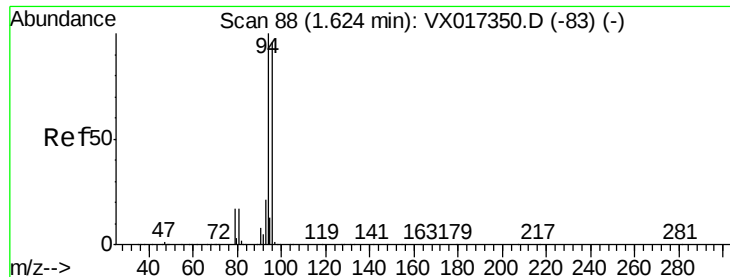
64 32.0 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.276 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 6486

Ion Ratio Lower Upper

94 100

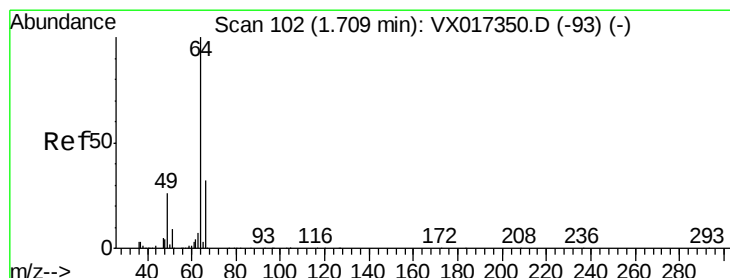
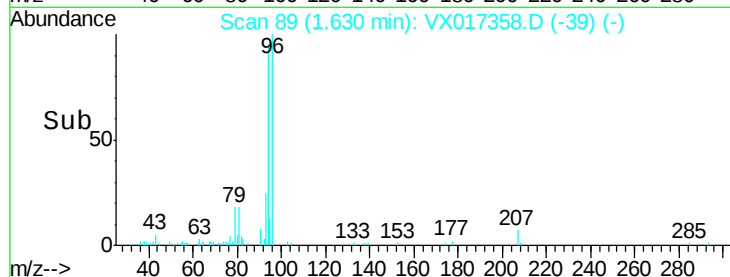
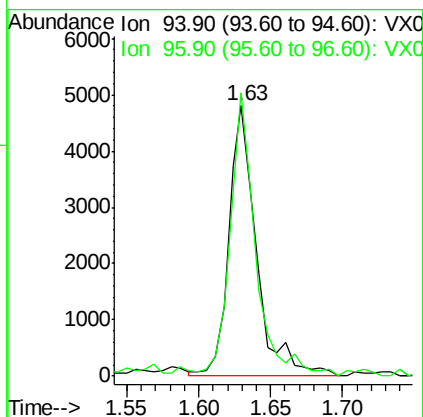
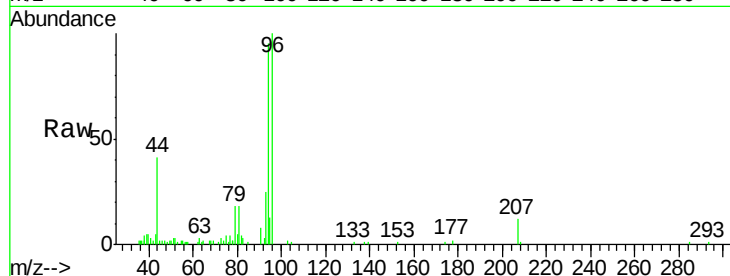
96 104.8 76.6 115.0

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



#6

Chloroethane

Concen: 2.535 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017358.D

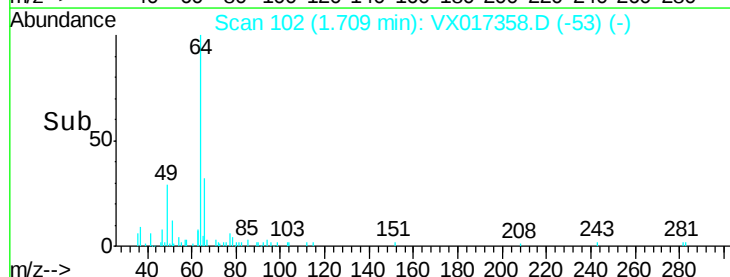
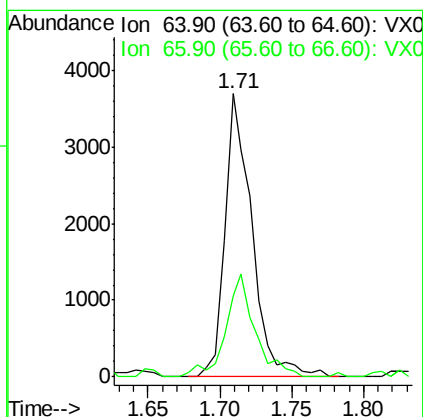
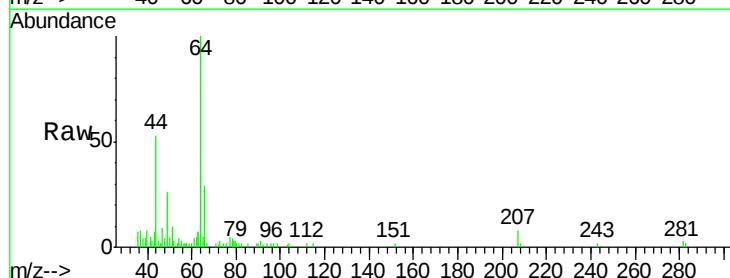
Acq: 13 Jul 2020 17:13

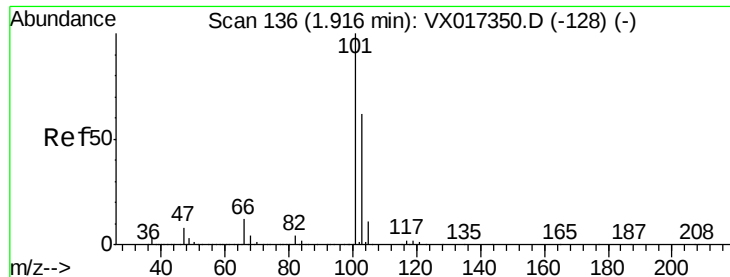
Tgt Ion: 64 Resp: 4867

Ion Ratio Lower Upper

64 100

66 27.1 25.7 38.5





#7

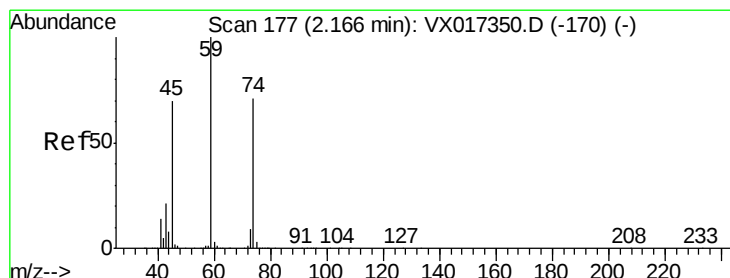
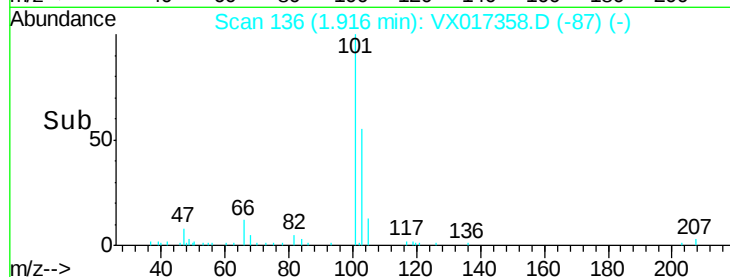
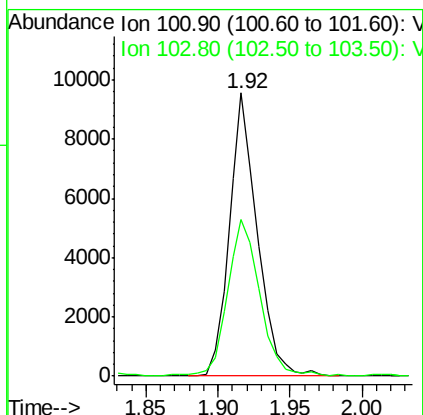
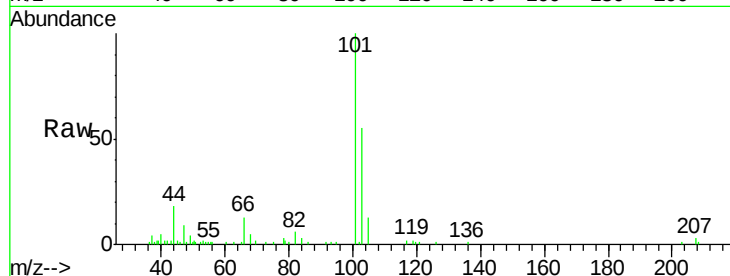
Trichlorofluoromethane
Concen: 2.518 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.7	49.6	74.4

Manual Integrations
APPROVED

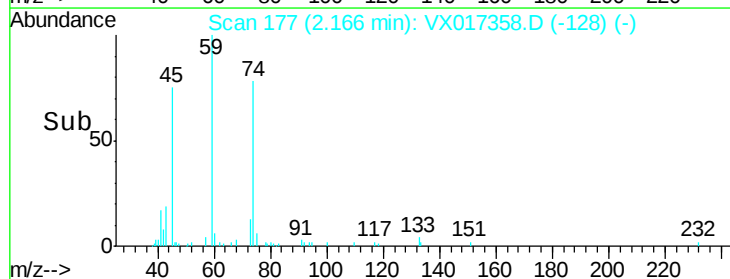
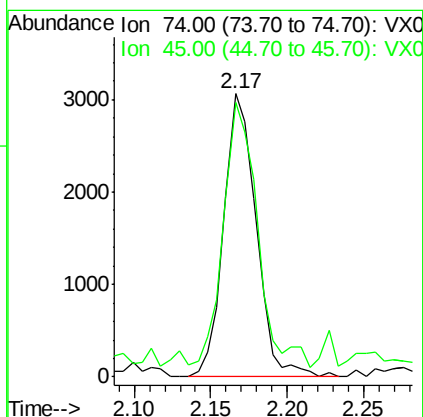
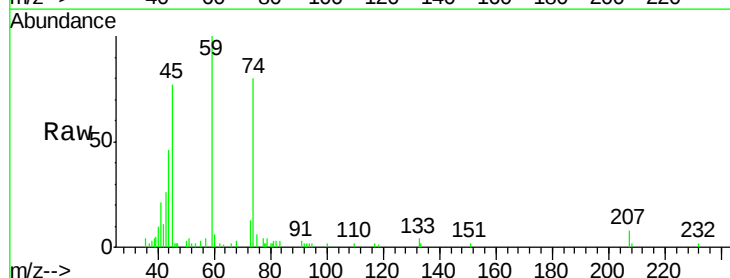
MMDadoda
7/14/2020 11:36:05 AM

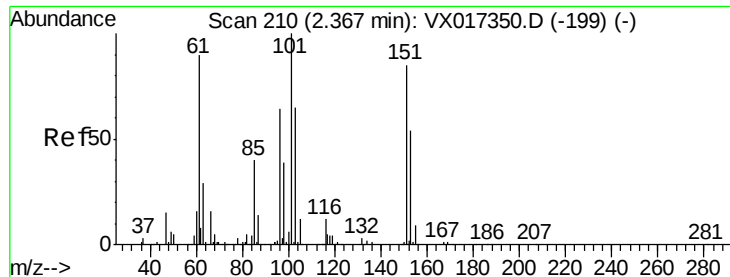


#8

Diethyl Ether
Concen: 2.494 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.777 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

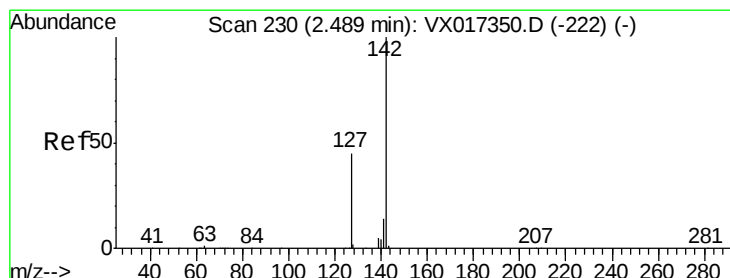
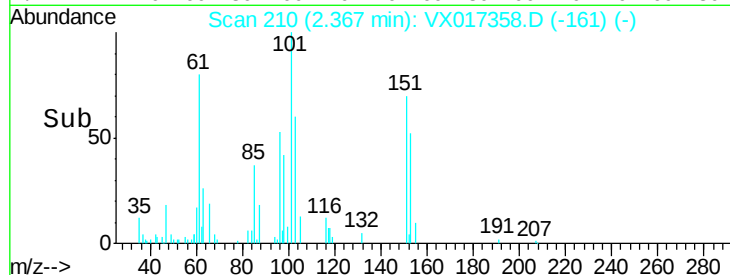
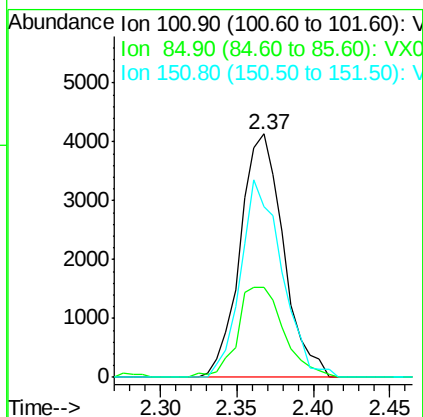
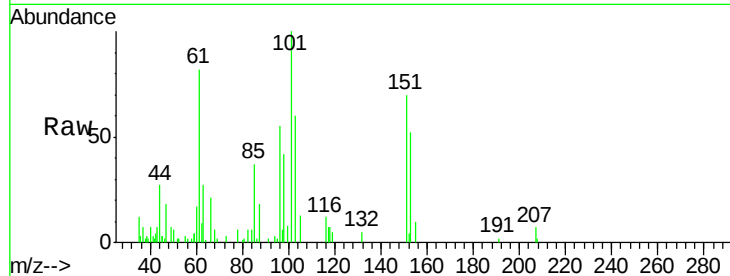
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	8121
Ion Ratio	Lower	Upper	
101	100		
85	39.9	33.7	50.5
151	77.5	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#10

Methyl Iodide

Concen: 1.738 ug/l

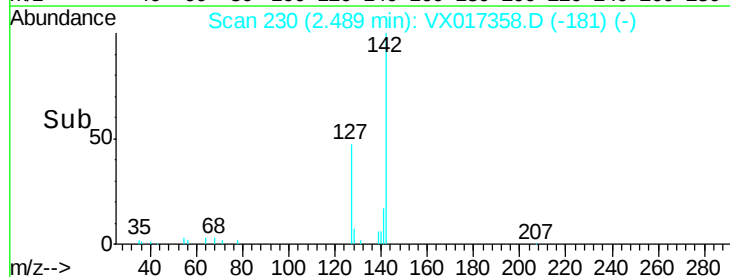
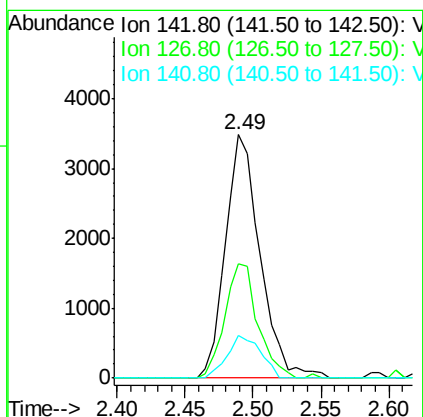
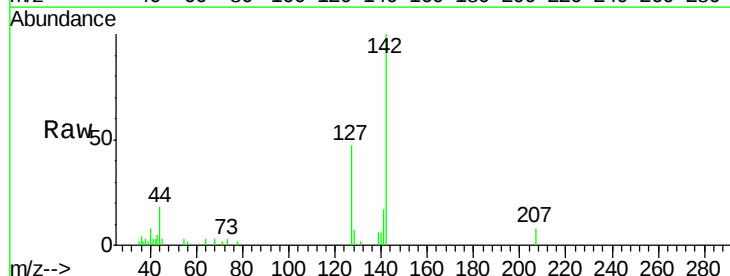
RT: 2.49 min Scan# 230

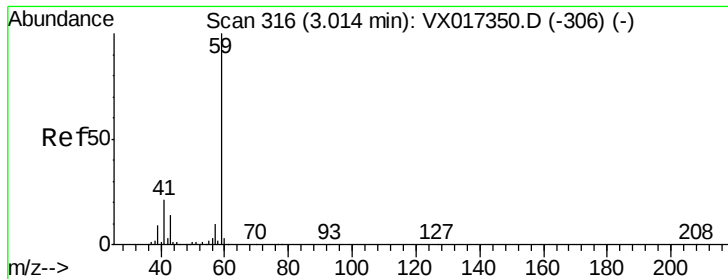
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	142	Resp:	6165
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.8	55.2
141	16.9	11.4	17.0





#11

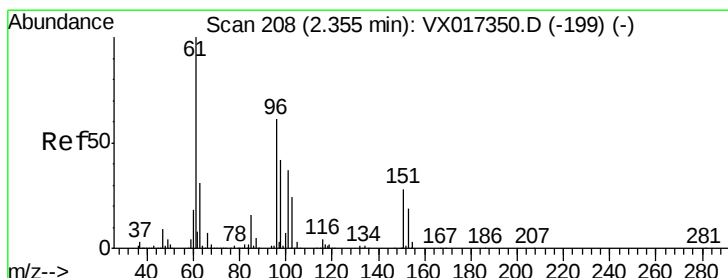
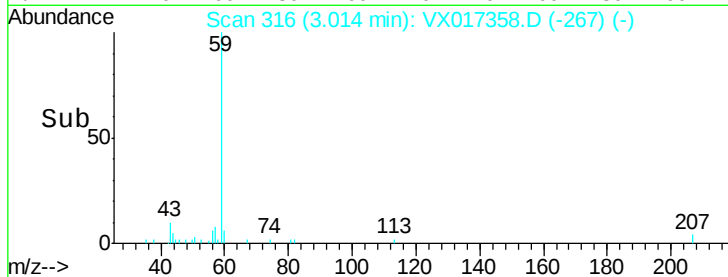
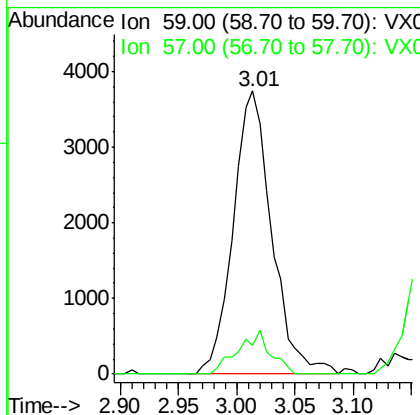
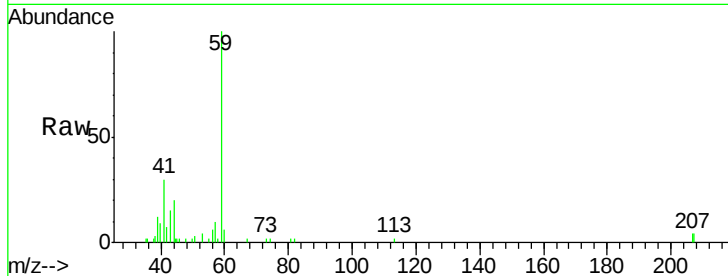
Tert butyl alcohol
Concen: 12.692 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	8661		
57	12.8		8.3	12.5#

Manual Integrations
APPROVED

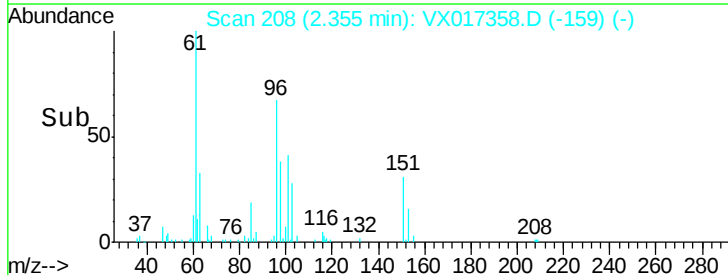
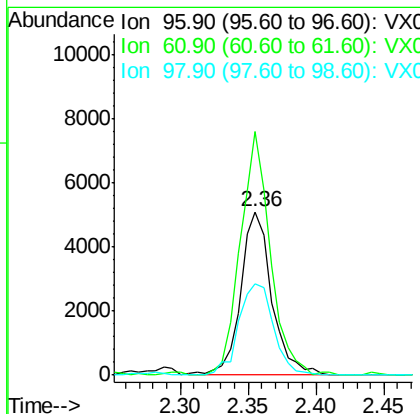
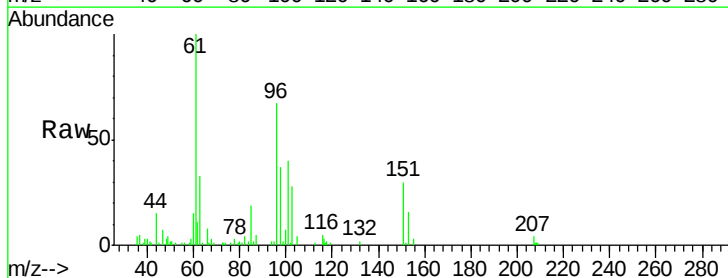
MMDadoda
7/14/2020 11:36:05 AM

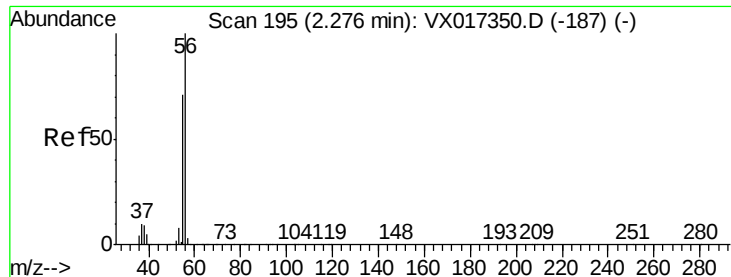


#12

1,1-Dichloroethene
Concen: 2.766 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	8124		
61	148.9		131.5	197.3
98	55.8		55.1	82.7





#13

Acrolein

Concen: 10.776 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 4031

Ion Ratio Lower Upper

56 100

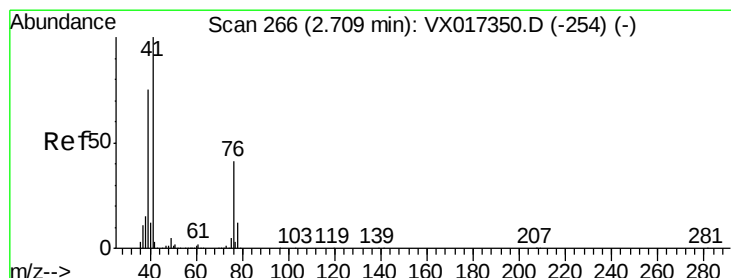
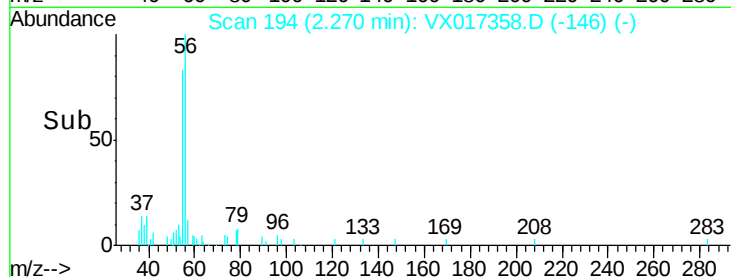
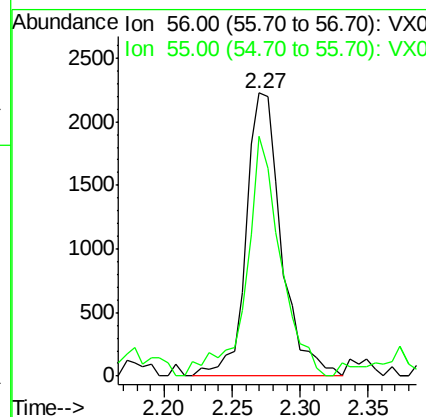
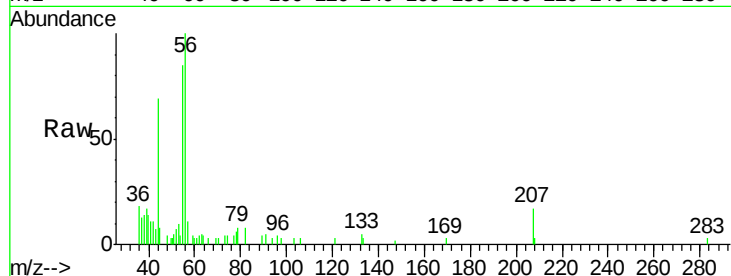
55 82.2 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



#14

Allyl chloride

Concen: 2.646 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

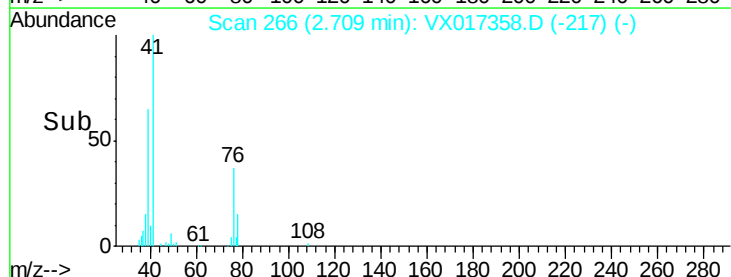
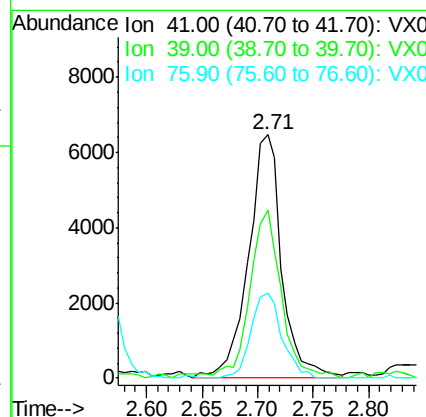
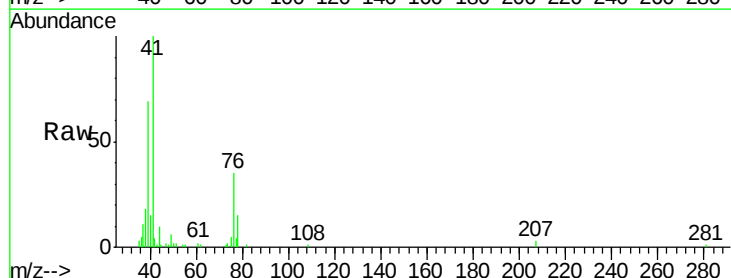
Tgt Ion: 41 Resp: 13462

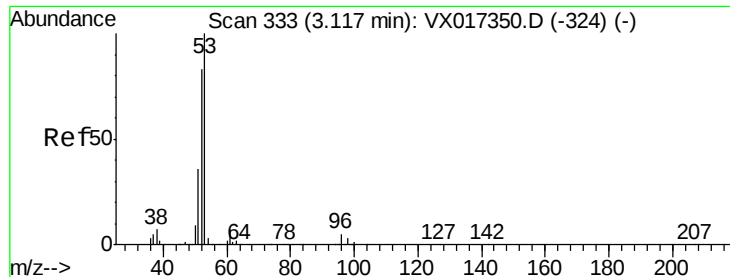
Ion Ratio Lower Upper

41 100

39 66.7 53.0 79.4

76 32.6 28.2 42.2





#15

Acrylonitrile

Concen: 13.148 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

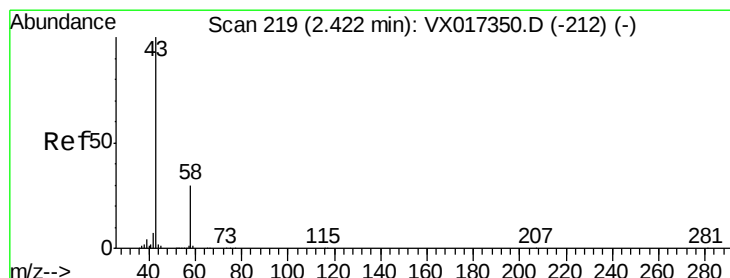
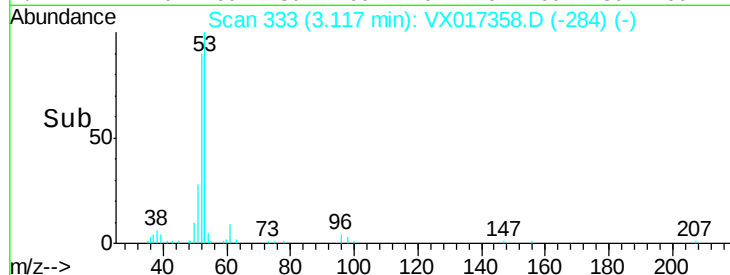
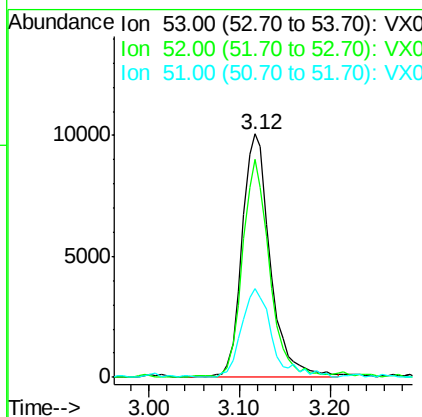
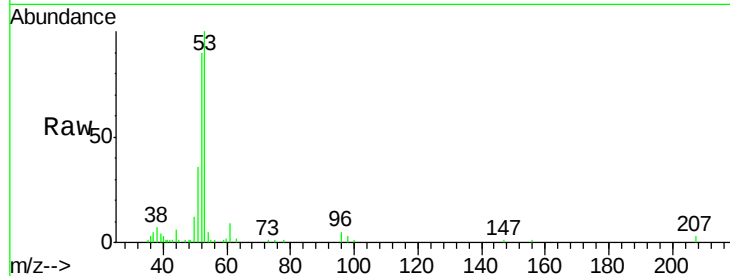
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	53	Resp:	21749
Ion	Ratio	Lower	Upper
53	100		
52	85.7	65.8	98.6
51	39.4	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#16

Acetone

Concen: 12.986 ug/l

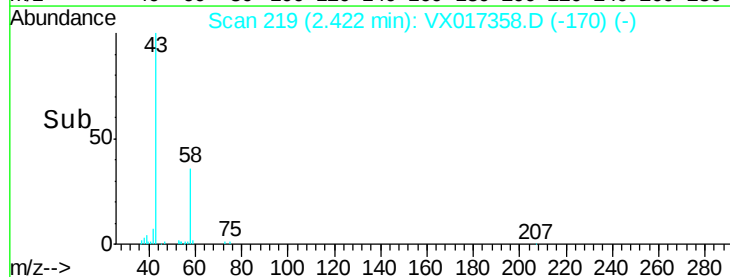
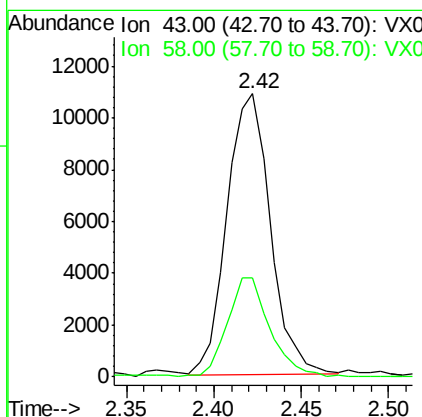
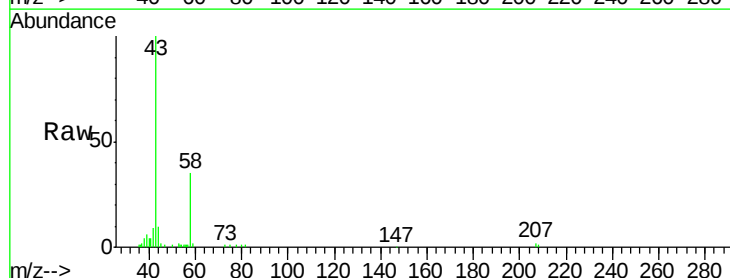
RT: 2.42 min Scan# 219

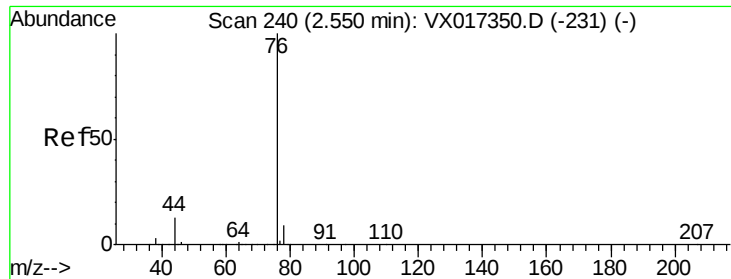
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	43	Resp:	18764
Ion	Ratio	Lower	Upper
43	100		
58	34.9	24.2	36.2





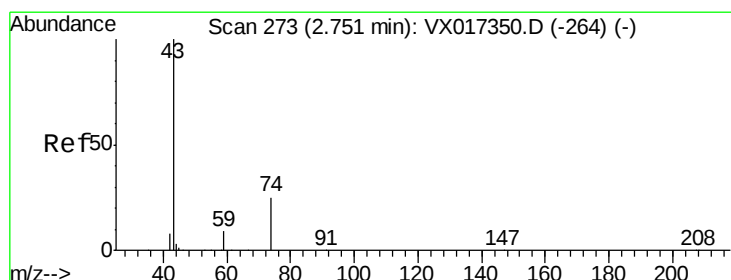
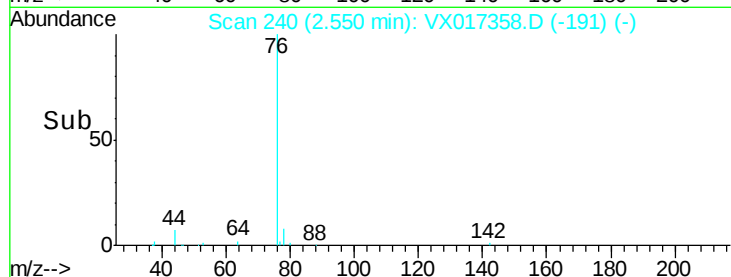
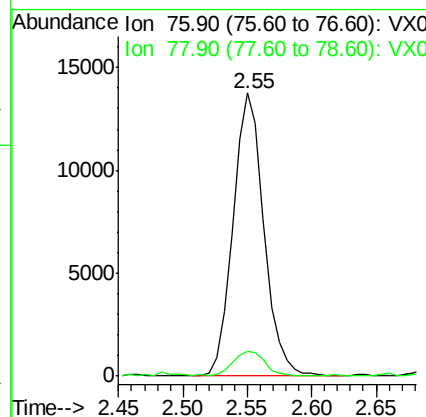
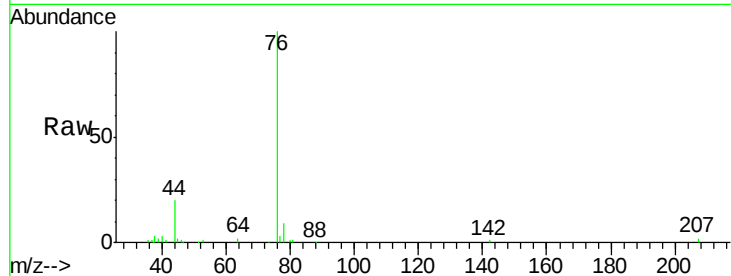
#17
Carbon Disulfide
Concen: 2.685 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

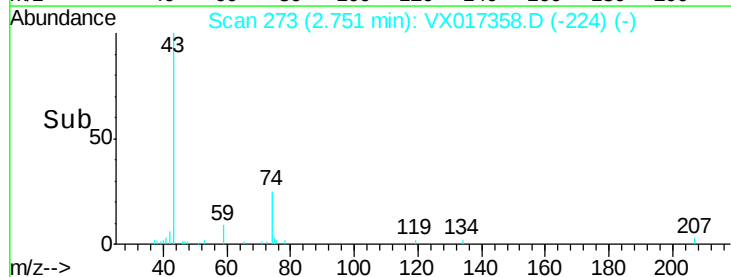
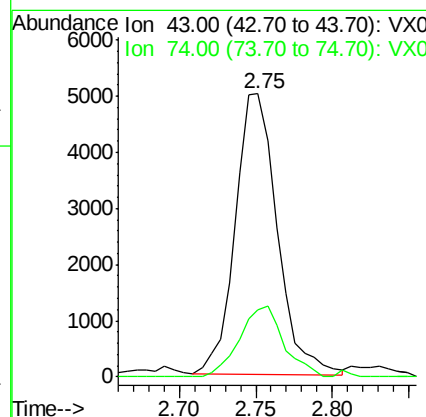
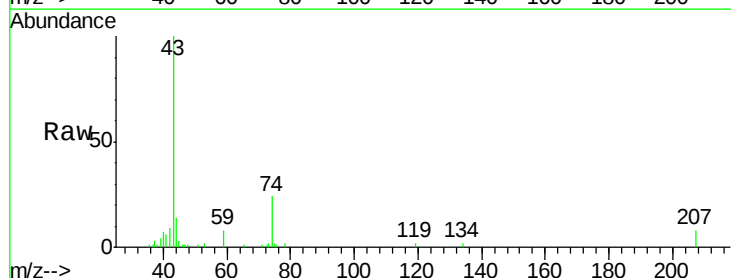
Manual Integrations
APPROVED

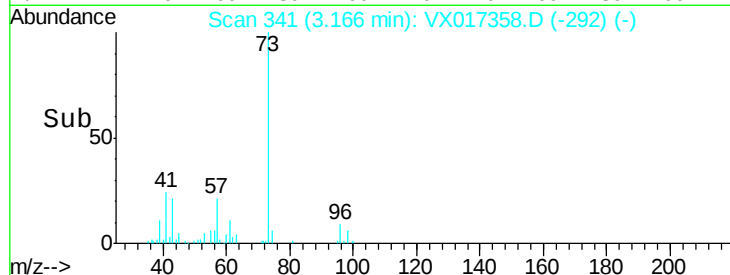
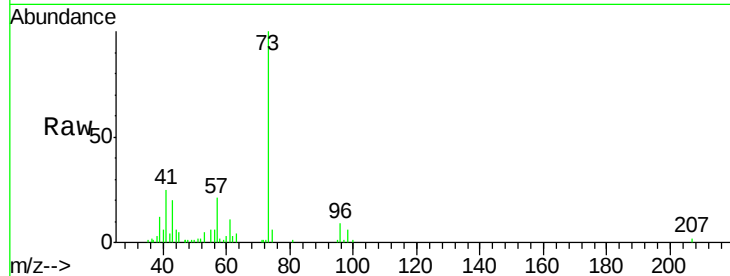
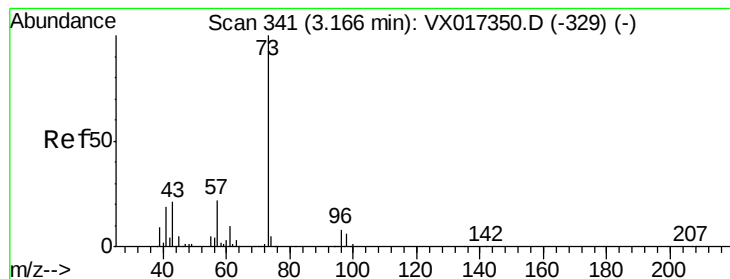
MMDadoda
7/14/2020 11:36:05 AM



#18
Methyl Acetate
Concen: 2.676 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	19.4	29.2





#19

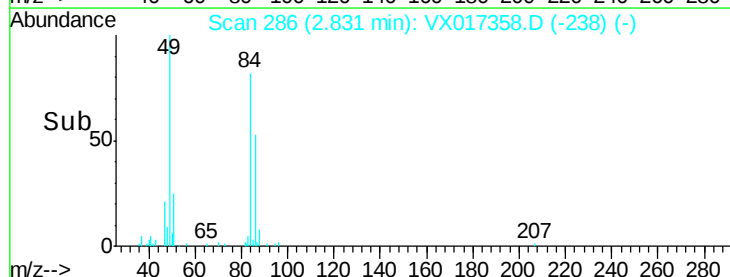
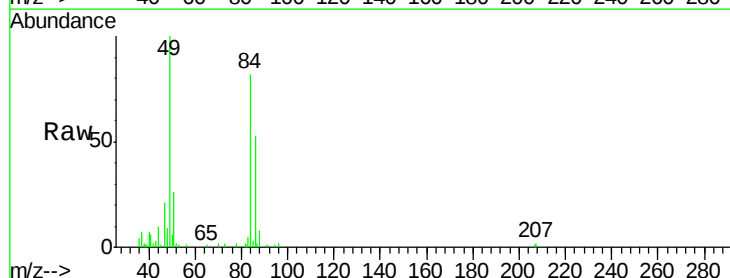
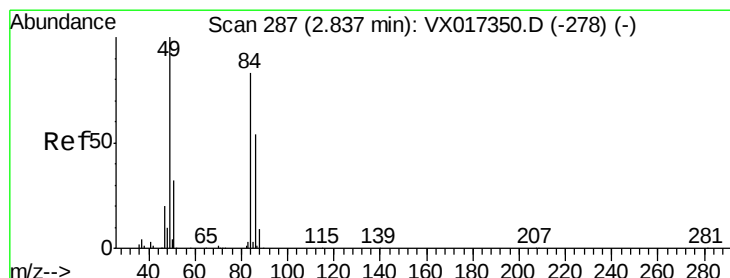
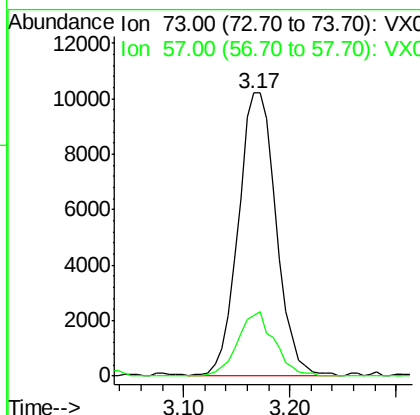
Methyl tert-butyl Ether
Concen: 2.566 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tot Ion	73	Resp	25591
Ion Ratio	100	Lower	Upper
73	100		
57	21.2	17.5	26.3

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Manual Integrations
APPROVED

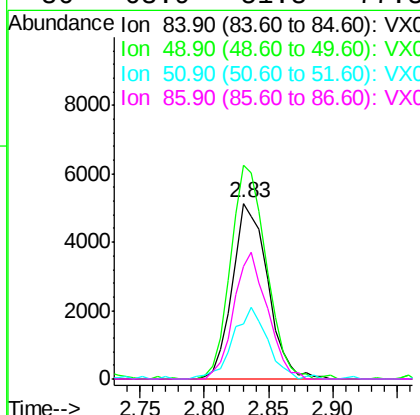
MMDadoda
7/14/2020 11:36:05 AM

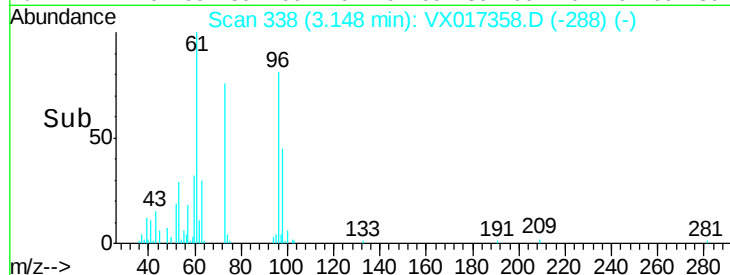
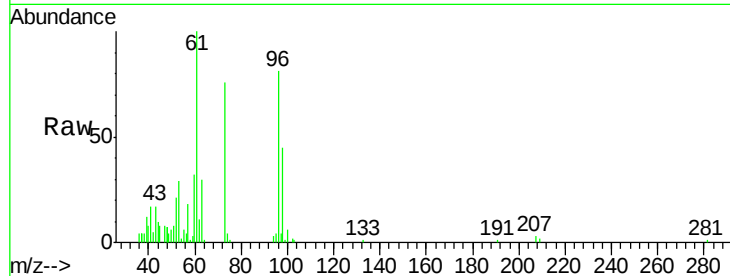
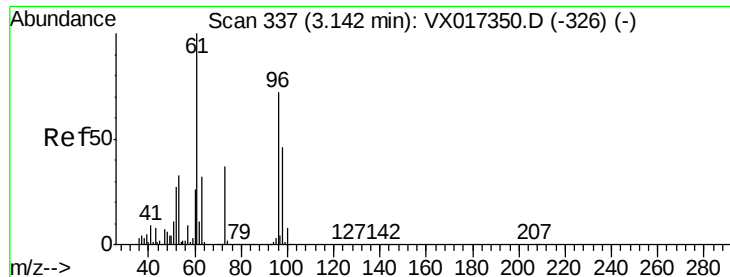


#20

Methylene Chloride
Concen: 2.785 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	84	Resp	9818
Ion Ratio	100	Lower	Upper
84	100		
49	121.6	95.8	143.8
51	31.5	31.0	46.4
86	63.9	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 2.699 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tot Ion:	96	Resp:	9069
Ion	Ratio	Lower	Upper
96	100		
61	123.0	111.1	166.7
98	55.6	51.4	77.0

Instrument :

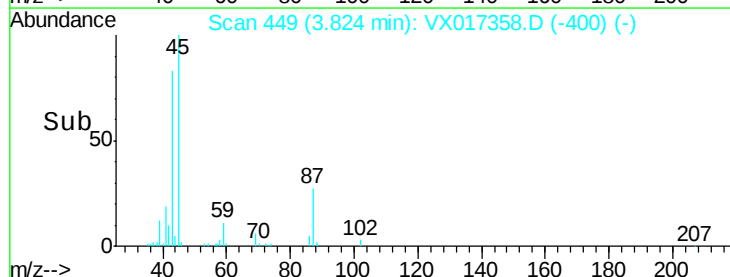
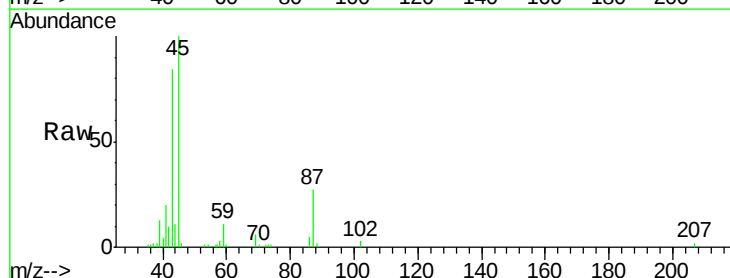
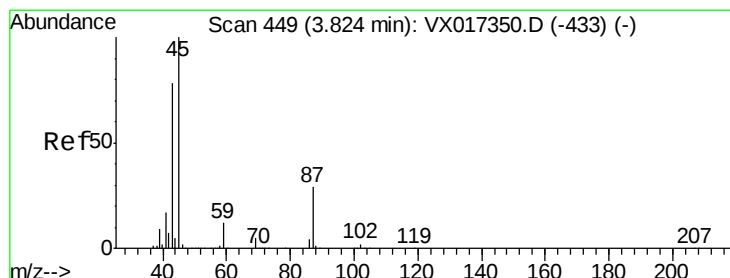
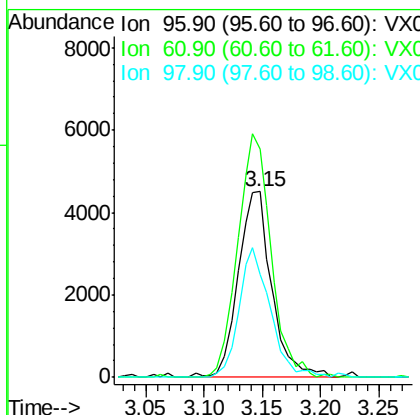
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#22

Diisopropyl ether

Concen: 2.600 ug/l

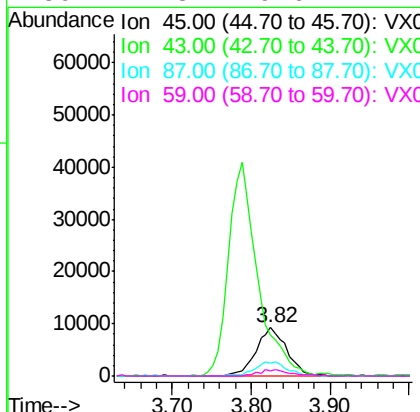
RT: 3.82 min Scan# 449

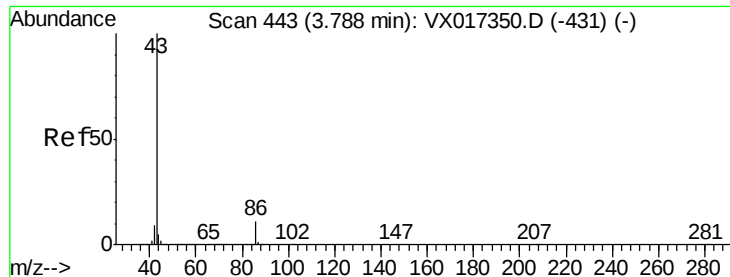
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	45	Resp:	25204
Ion	Ratio	Lower	Upper
45	100		
43	84.0	62.2	93.2
87	27.5	23.0	34.6
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 12.486 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 106441

Ion Ratio Lower Upper

43 100

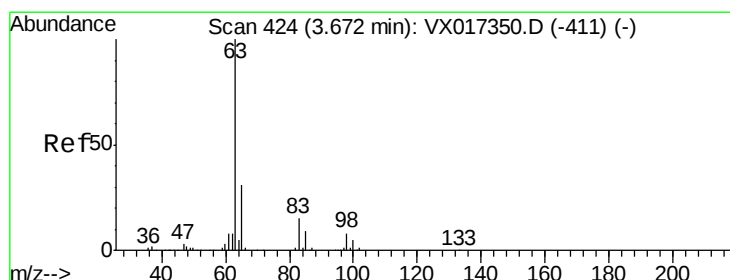
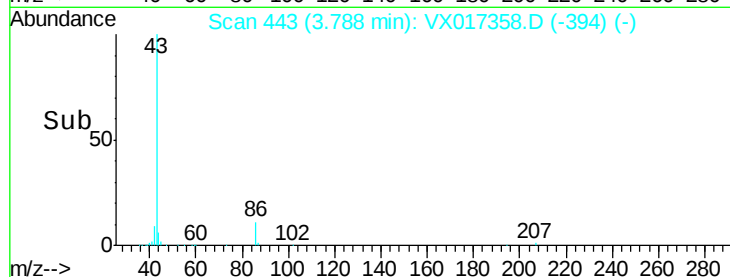
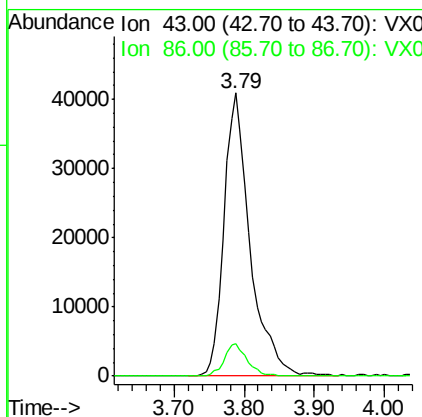
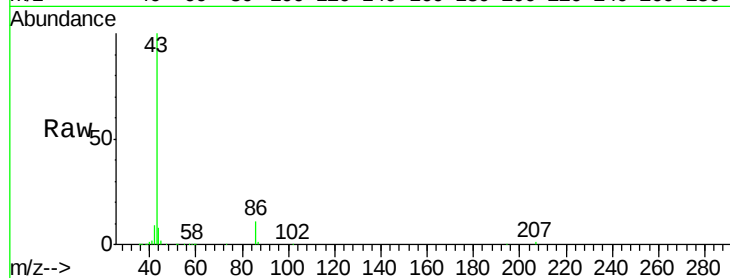
86 11.5 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



#24

1,1-Dichloroethane

Concen: 2.726 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

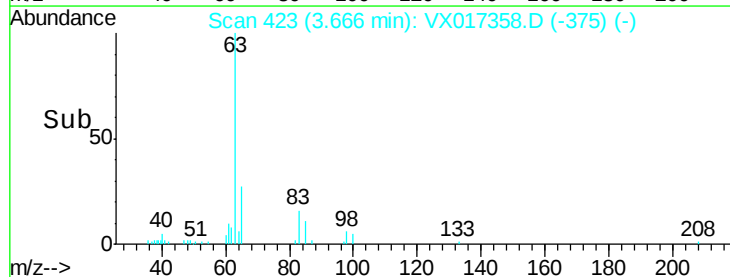
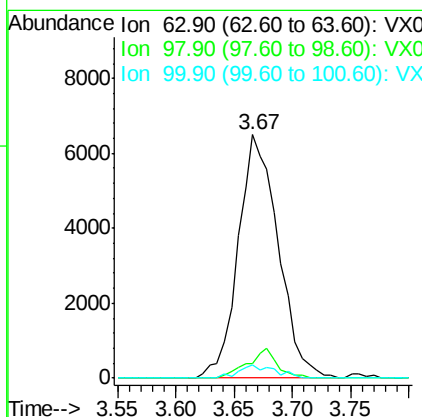
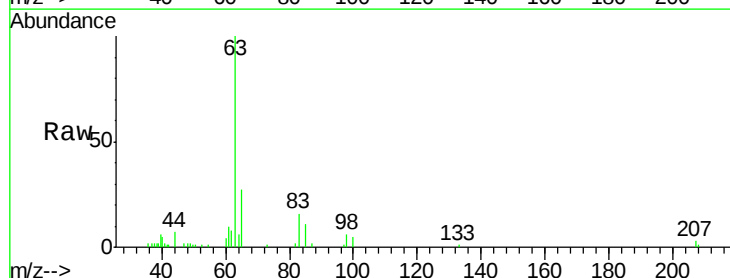
Tgt Ion: 63 Resp: 15530

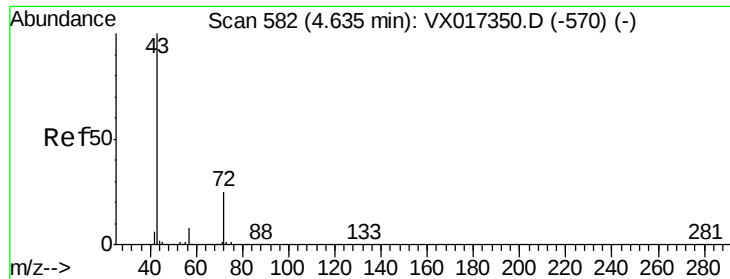
Ion Ratio Lower Upper

63 100

98 5.9 3.9 11.5

100 5.3 2.5 7.5





#25

2-Butanone

Concen: 13.306 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 30536

Ion Ratio Lower Upper

43 100

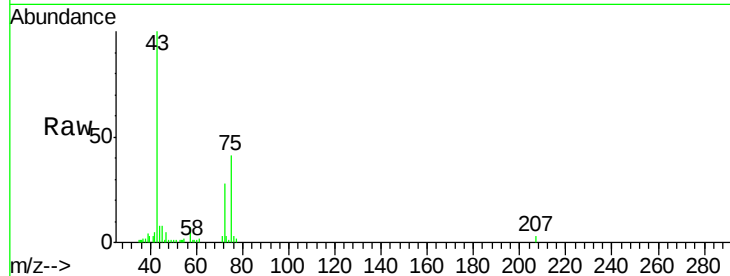
72 27.5 20.4 30.6

Manual Integrations

APPROVED

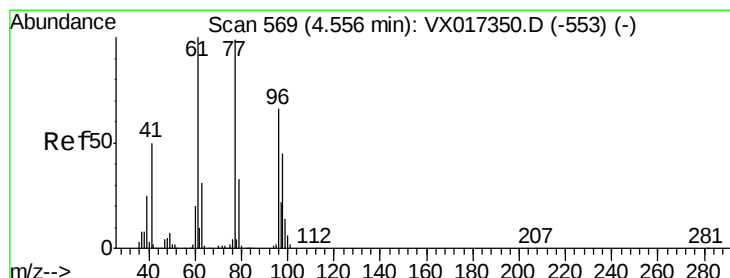
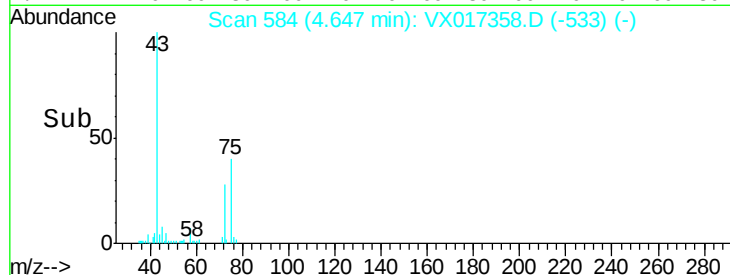
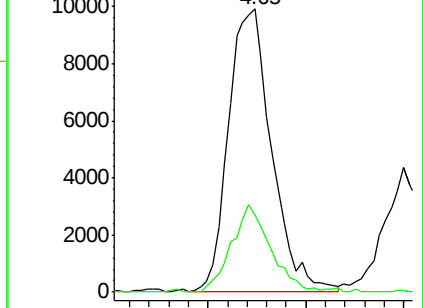
MMDadoda

7/14/2020 11:36:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.509 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017358.D

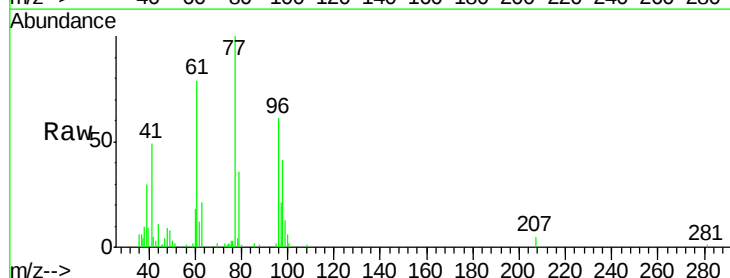
Acq: 13 Jul 2020 17:13

Tgt Ion: 77 Resp: 13304

Ion Ratio Lower Upper

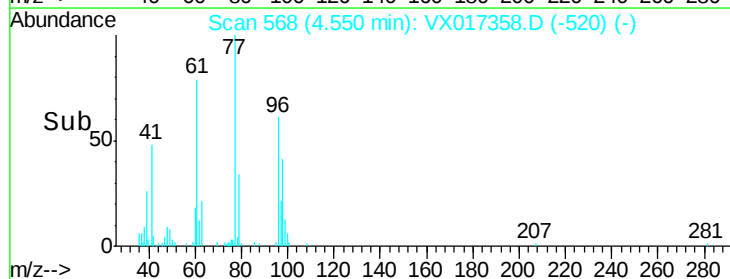
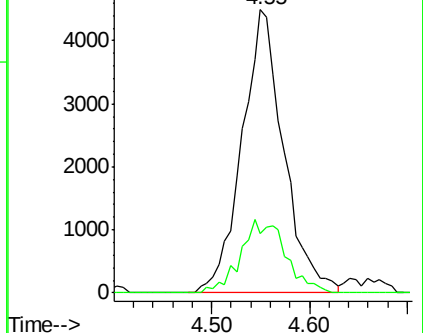
77 100

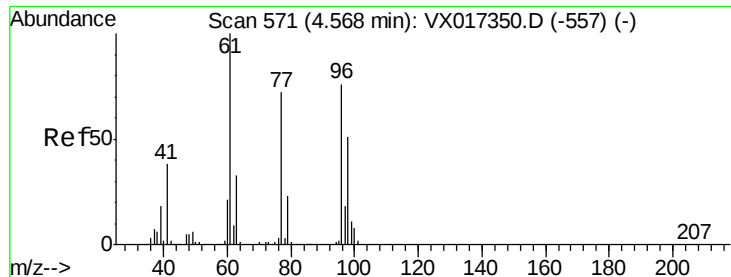
97 13.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

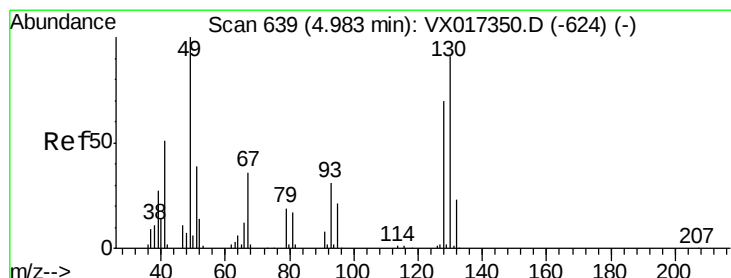
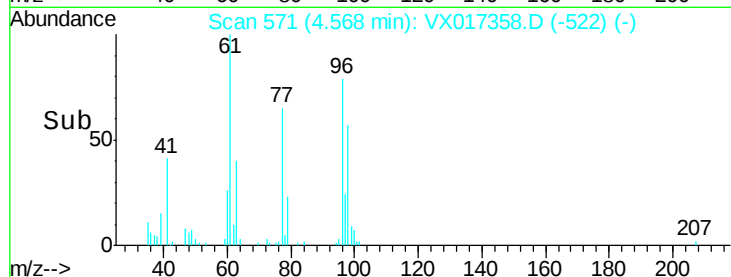
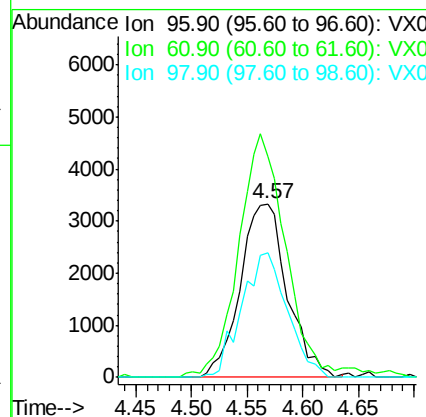
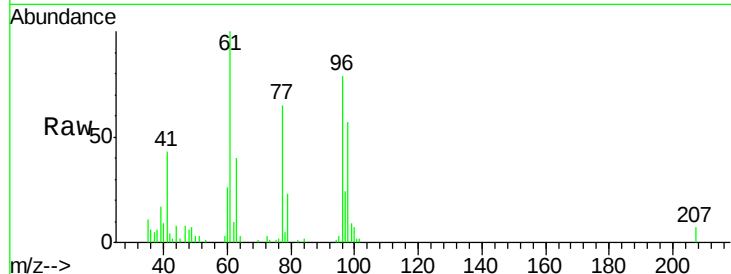
cis-1,2-Dichloroethene
Concen: 2.661 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	281.2
98	69.6	0.0	131.4

Manual Integrations
APPROVED

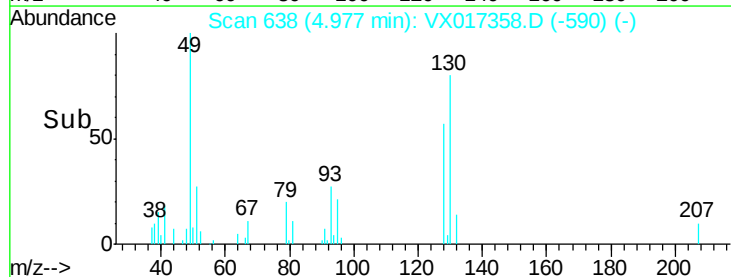
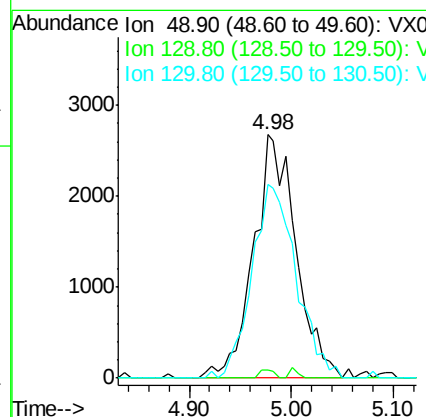
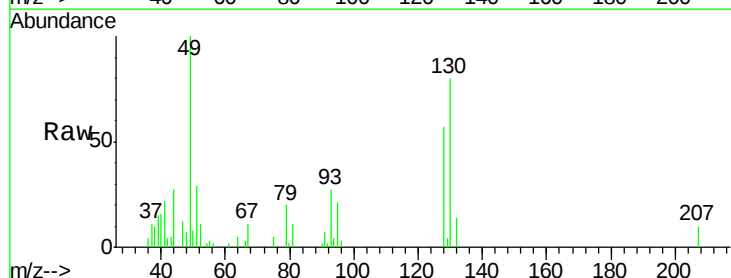
MMDadoda
7/14/2020 11:36:05 AM

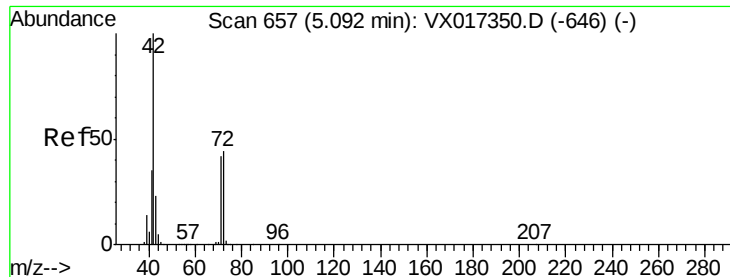


#28

Bromochloromethane
Concen: 2.926 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.8
130	83.6	71.1	106.7





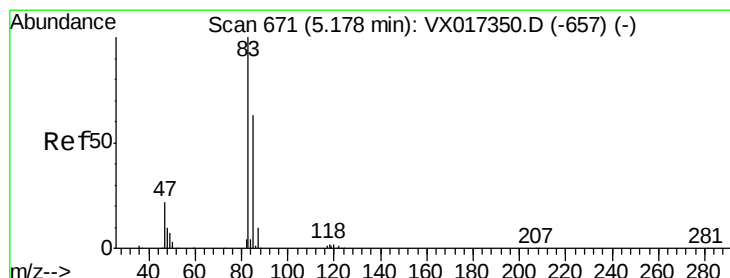
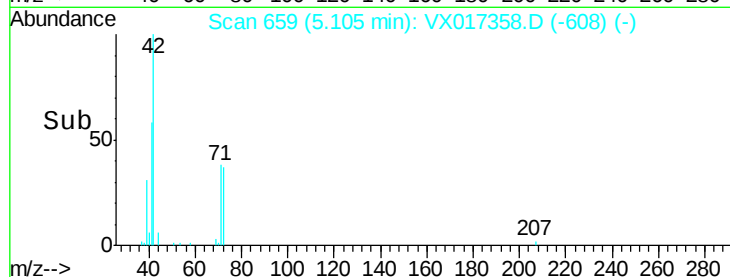
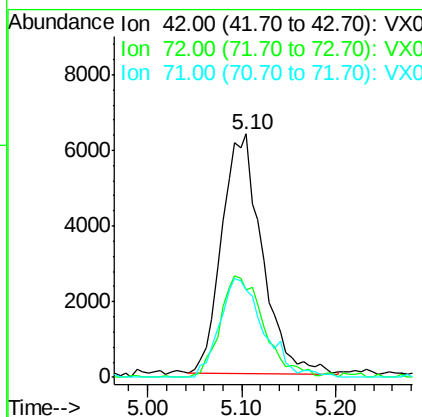
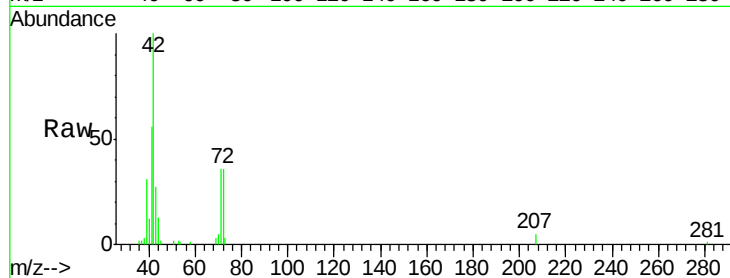
#29
Tetrahydrofuran
Concen: 12.661 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.2	55.8
71	43.8	34.4	51.6

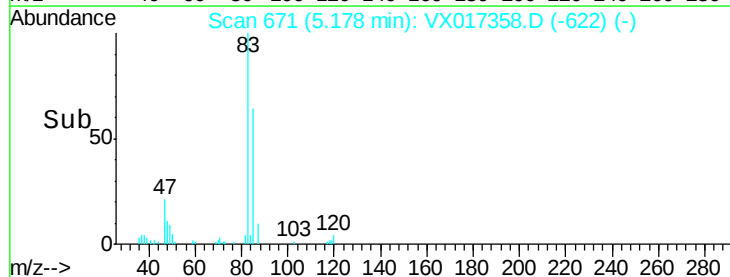
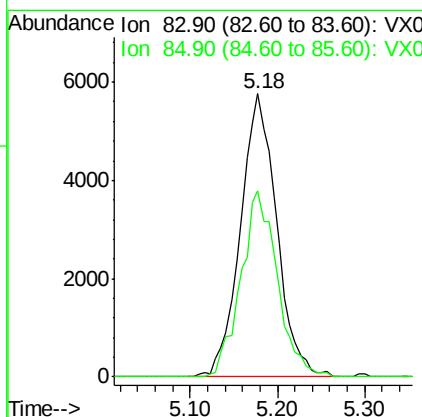
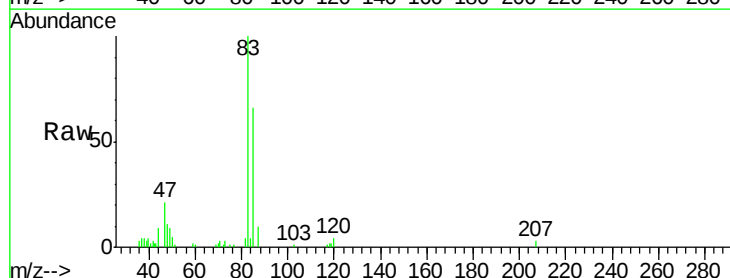
Manual Integrations
APPROVED

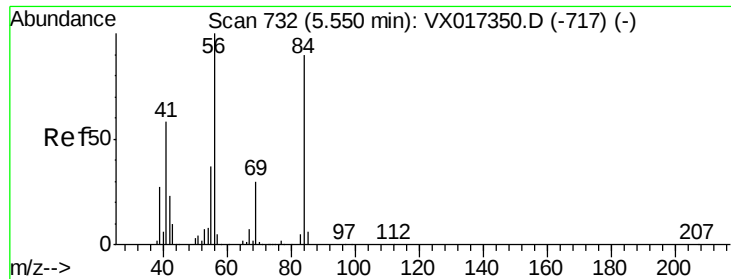
MMDadoda
7/14/2020 11:36:05 AM



#30
Chloroform
Concen: 2.711 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.2	75.4





#31

Cyclohexane

Concen: 2.488 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

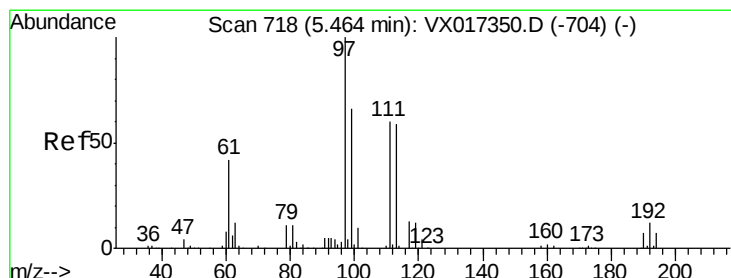
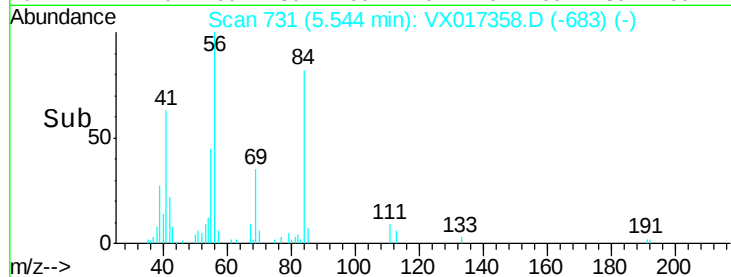
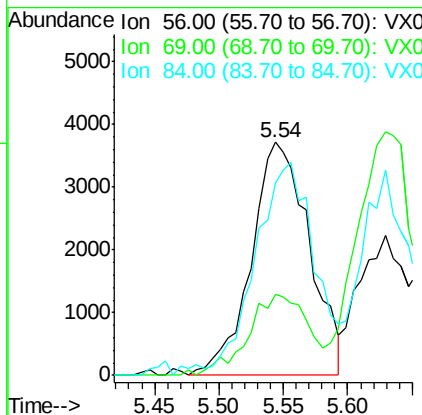
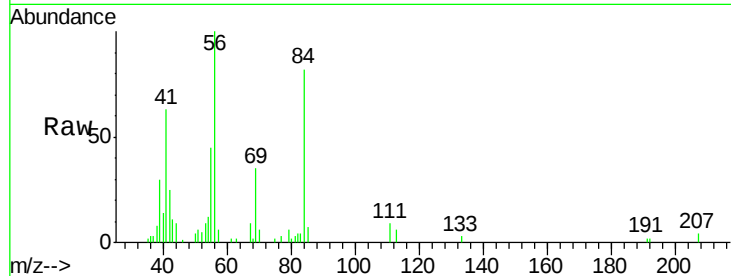
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	56	Resp:	11601
Ion Ratio	Lower	Upper	
56	100		
69	32.5	23.7	35.5
84	79.7	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#32

1,1,1-Trichloroethane

Concen: 2.653 ug/l

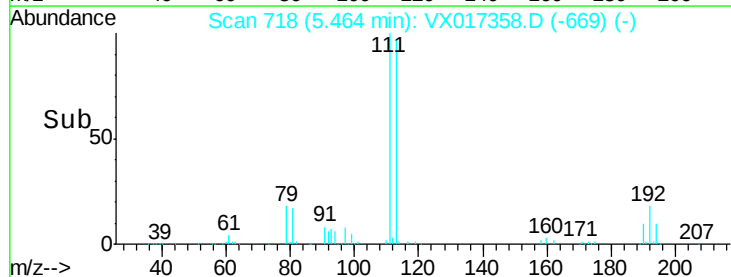
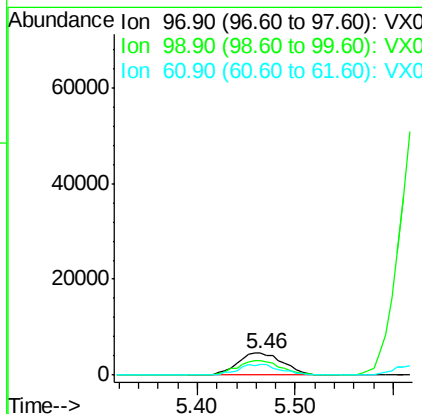
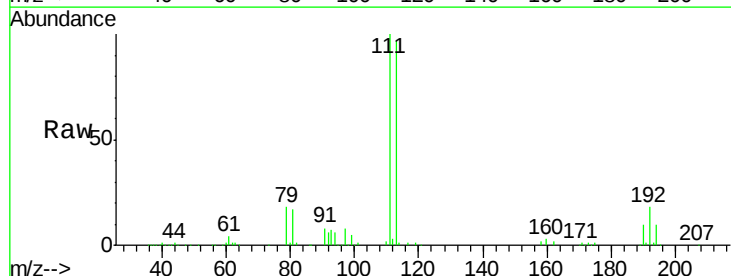
RT: 5.46 min Scan# 718

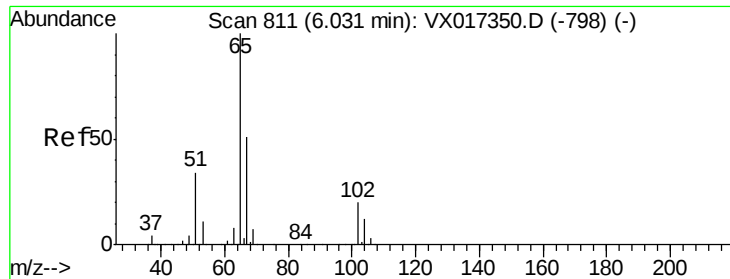
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	97	Resp:	15029
Ion Ratio	Lower	Upper	
97	100		
99	62.2	51.2	76.8
61	45.0	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 49.361 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 65 Resp: 199920

Ion Ratio Lower Upper

65 100

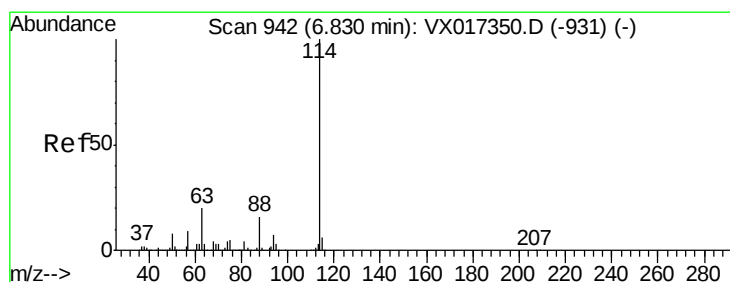
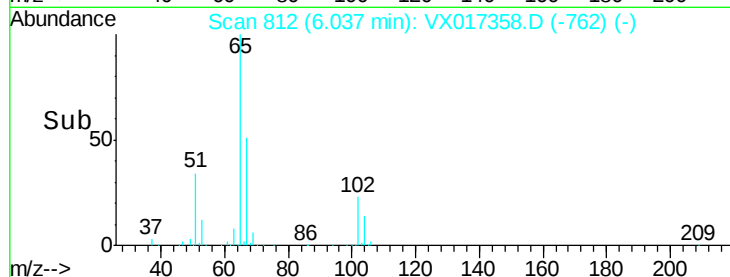
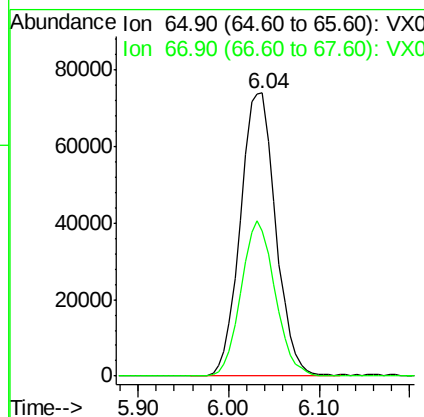
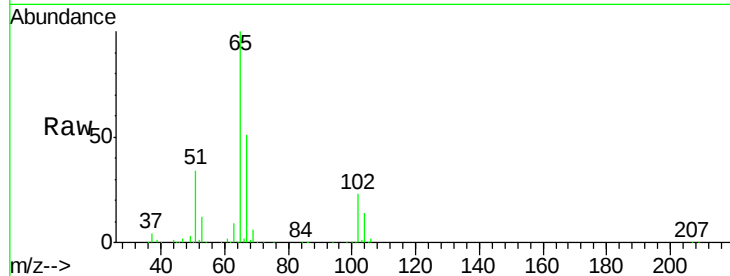
67 52.6 0.0 101.6

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

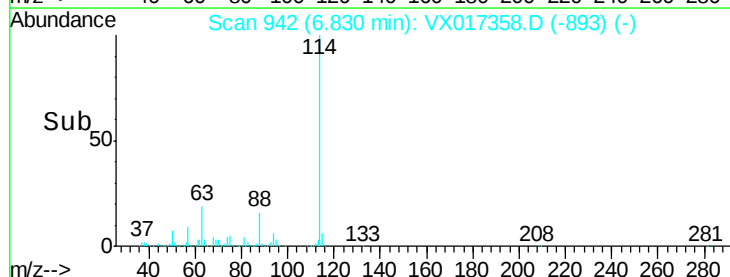
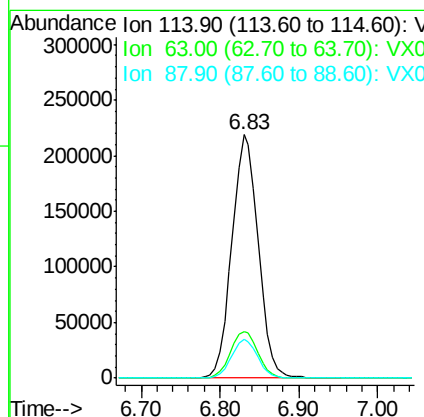
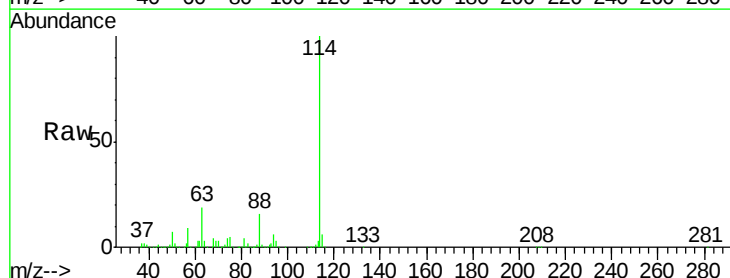
Tgt Ion: 114 Resp: 511067

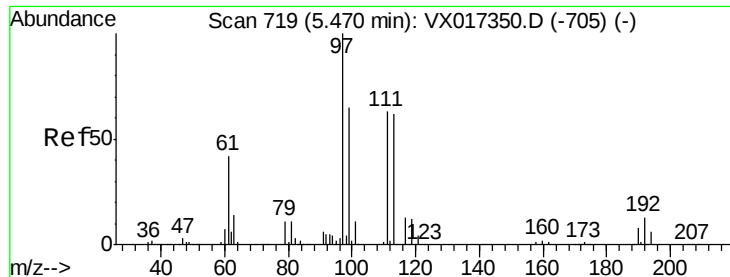
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.031 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

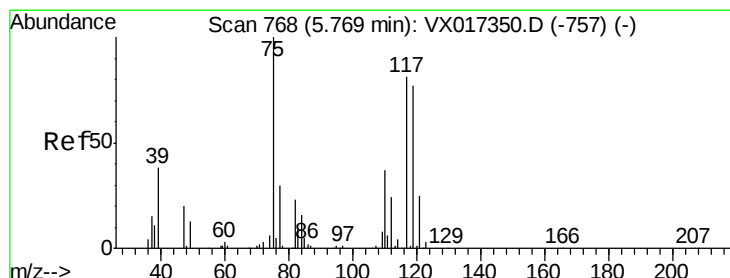
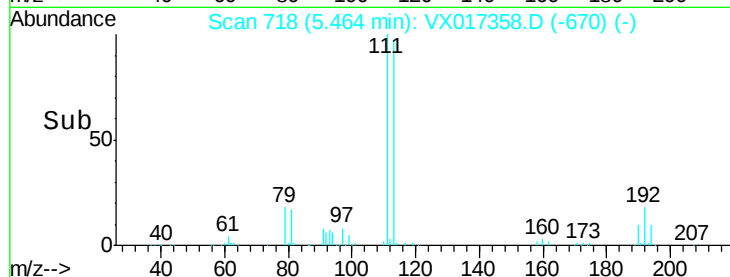
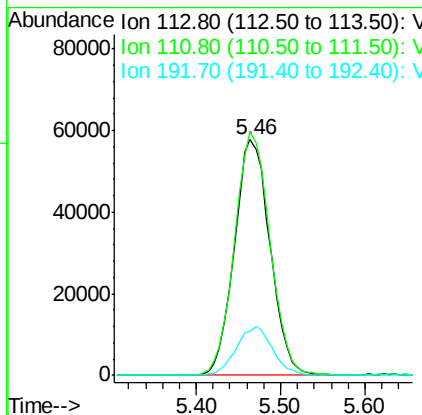
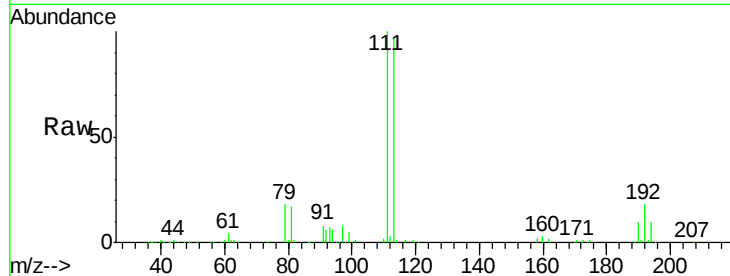
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	113	Resp:	165354
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.4	123.6
192	21.1	17.2	25.8

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#36

1,1-Dichloropropene

Concen: 2.655 ug/l

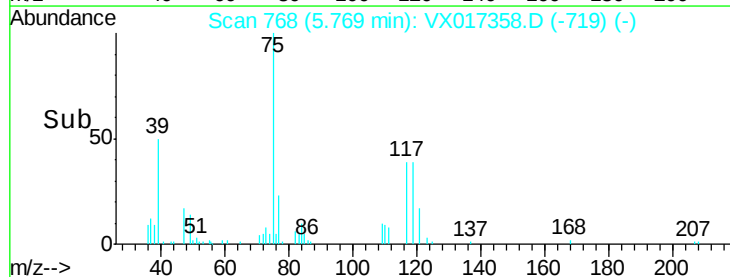
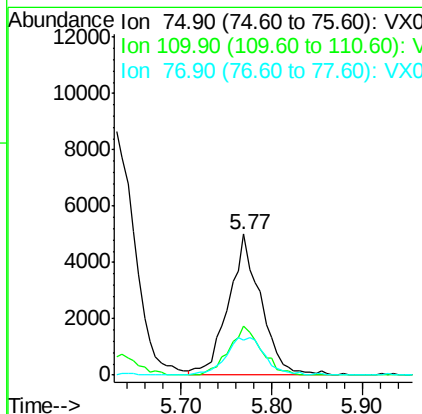
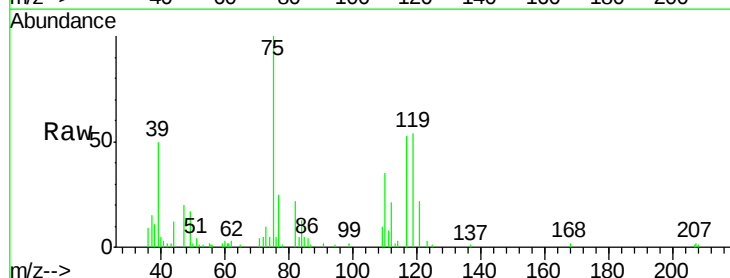
RT: 5.77 min Scan# 768

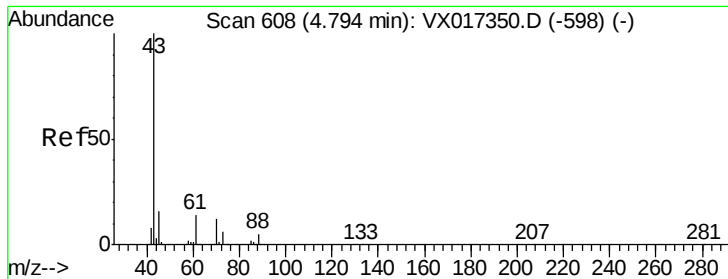
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	75	Resp:	12479
Ion Ratio	Lower	Upper	
75	100		
110	34.5	18.6	55.8
77	31.8	24.9	37.3





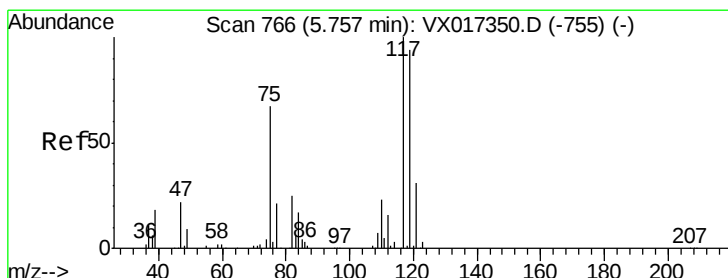
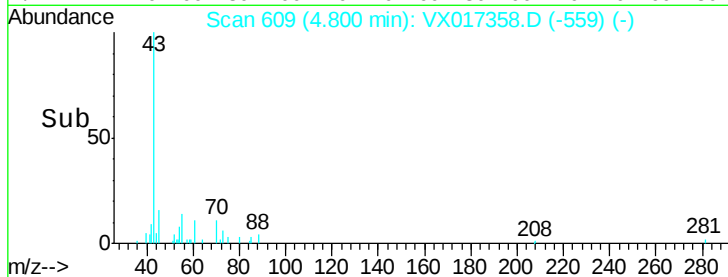
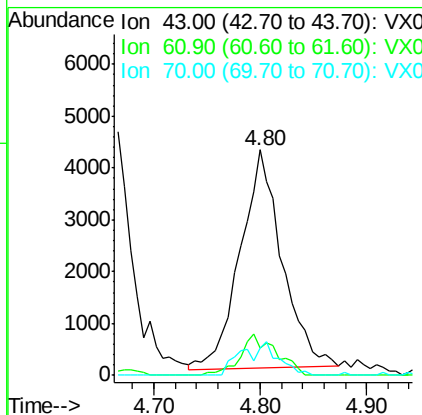
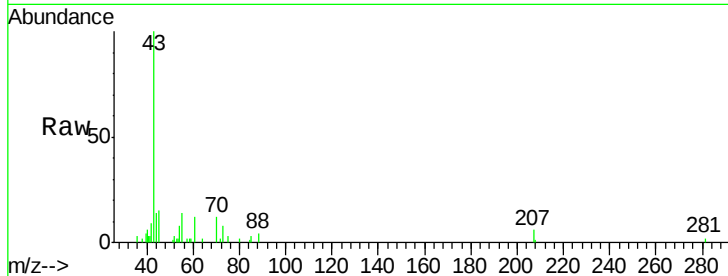
#37
Ethyl Acetate
Concen: 2.392 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	7.5	9.0	13.6#

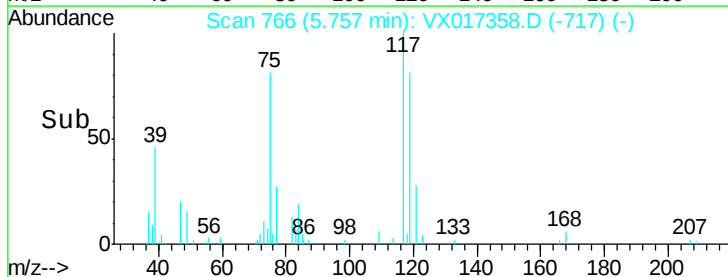
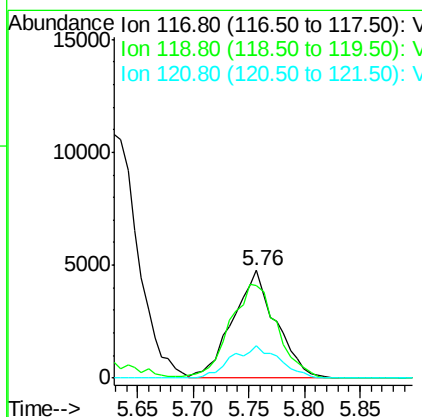
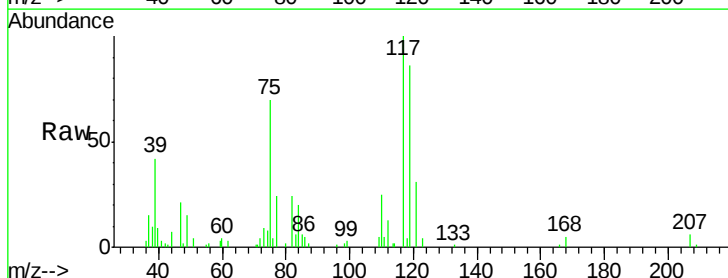
Manual Integrations
APPROVED

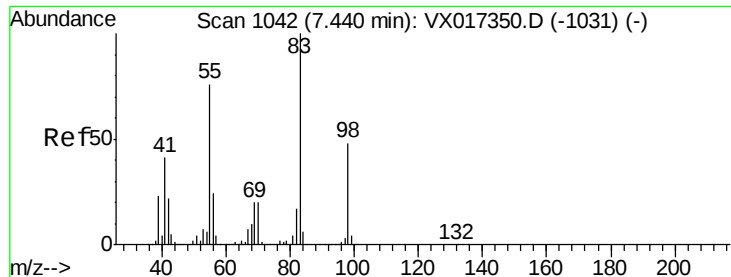
MMDadoda
7/14/2020 11:36:05 AM



#38
Carbon Tetrachloride
Concen: 2.344 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.9	74.7	112.1
121	30.7	24.5	36.7





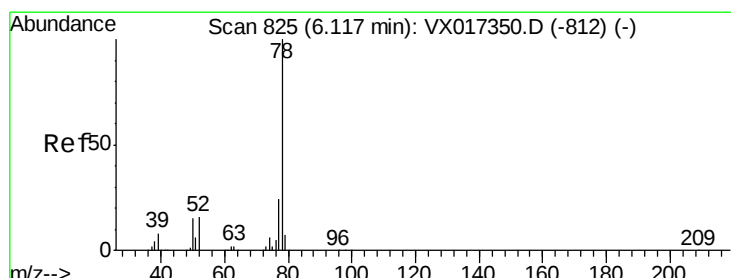
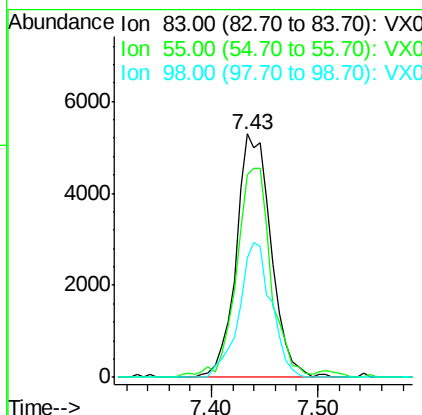
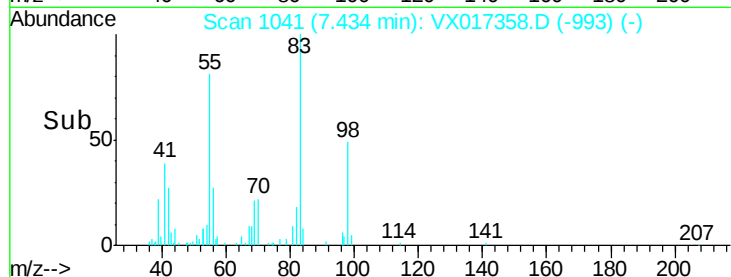
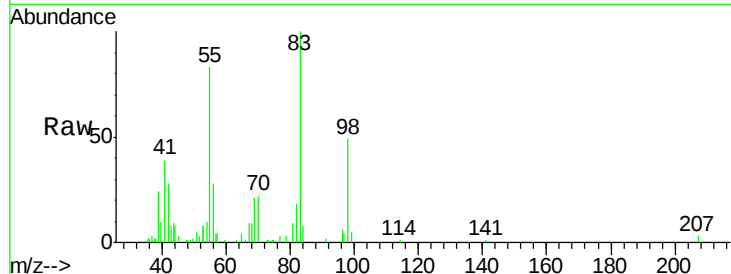
#39
Methylvlcyclohexane
Concen: 2.380 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.6	61.2	91.8	
98	48.8	38.1	57.1	

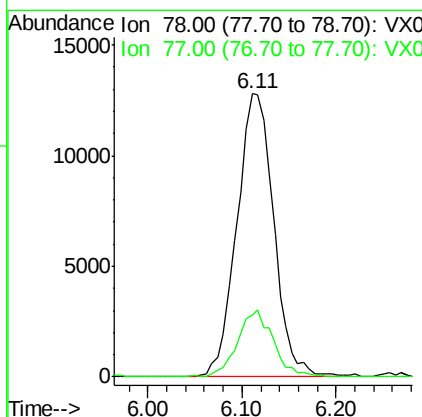
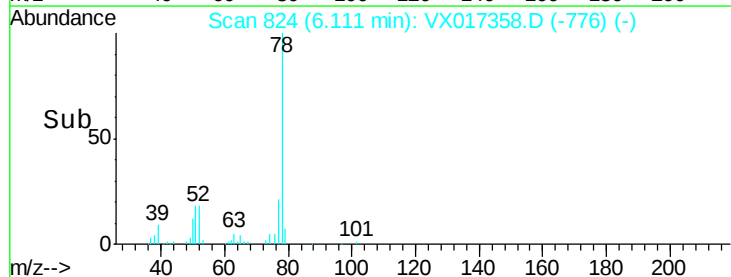
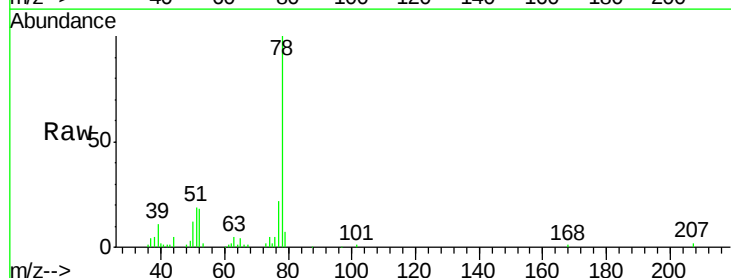
Manual Integrations
APPROVED

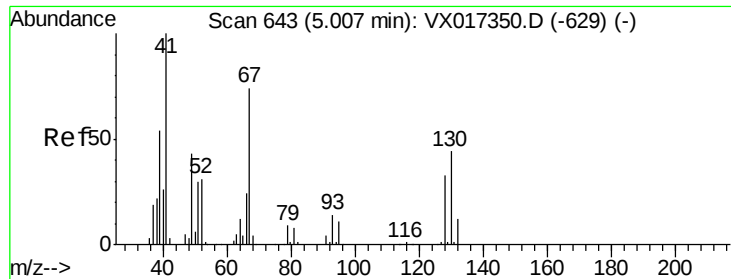
MMDadoda
7/14/2020 11:36:05 AM



#40
Benzene
Concen: 2.585 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

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





#41

Methacrylonitrile

Concen: 2.514 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

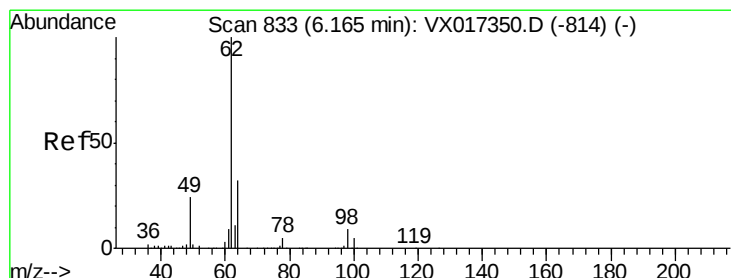
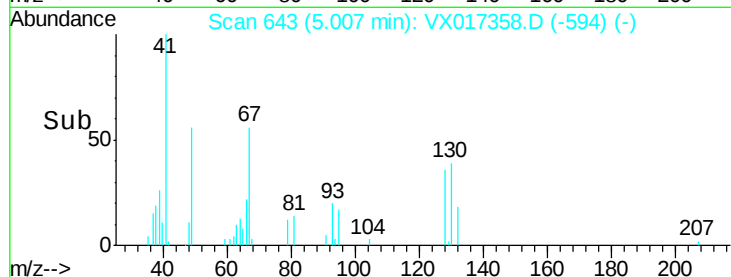
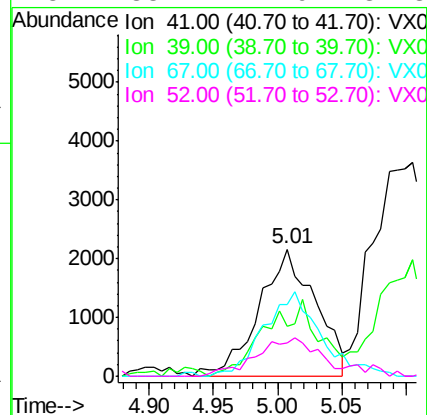
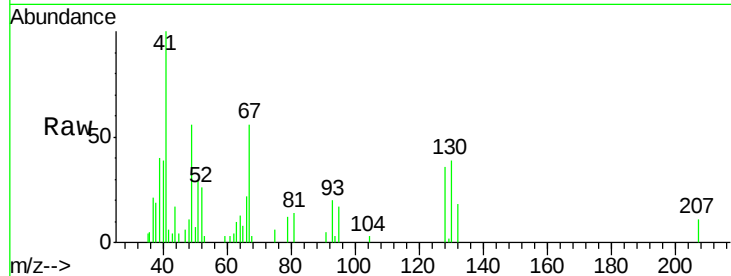
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	41	Resp:	6561
Ion	Ratio	Lower	Upper
41	100		
39	29.2	43.8	65.8#
67	67.6	58.7	88.1
52	33.1	24.9	37.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#42

1,2-Dichloroethane

Concen: 2.537 ug/l

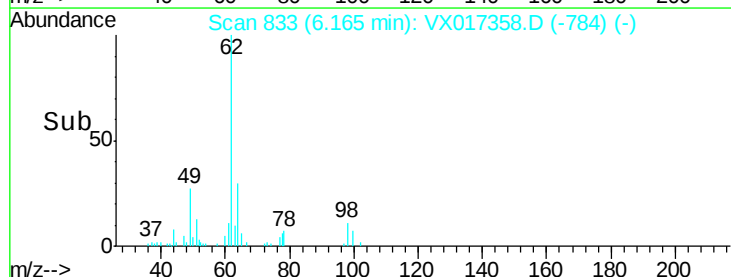
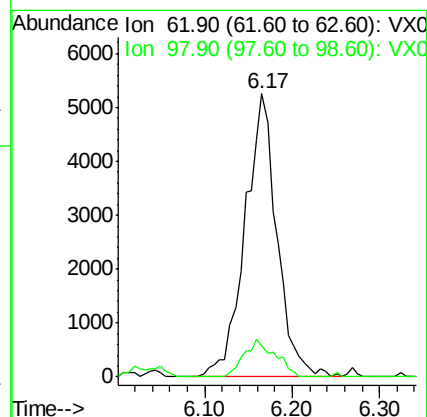
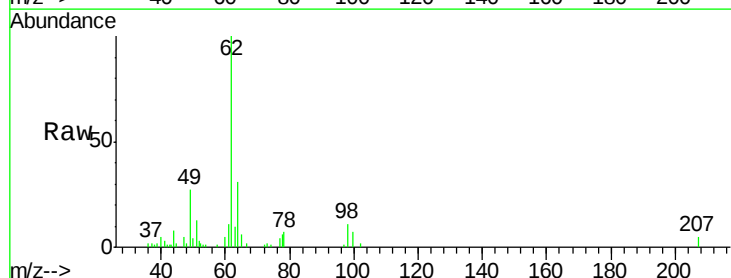
RT: 6.17 min Scan# 833

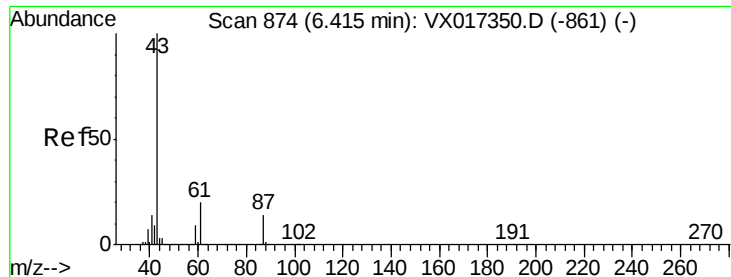
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	62	Resp:	13317
Ion	Ratio	Lower	Upper
62	100		
98	12.9	0.0	19.4





#43

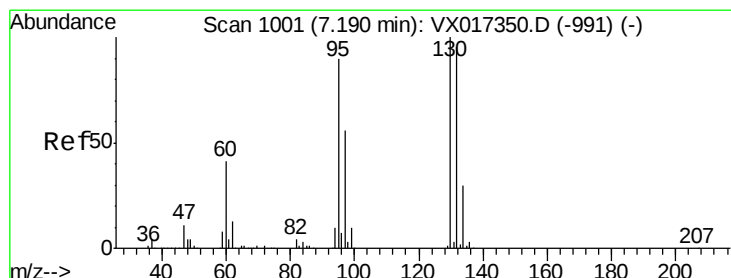
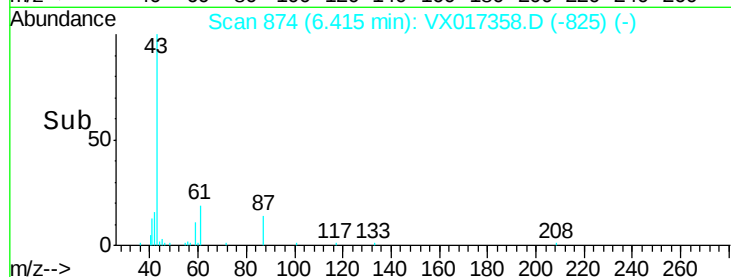
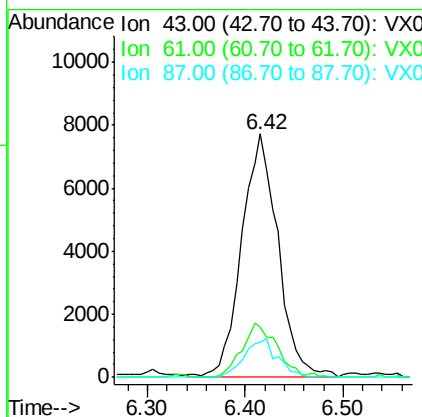
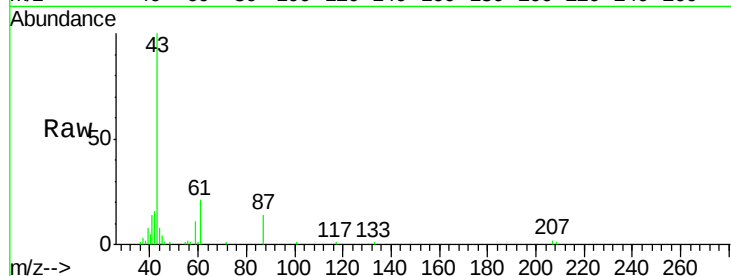
Isopropyl Acetate
 Concen: 2.565 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	43	Resp	19929
Ion Ratio	100	Lower	Upper
43	100		
61	21.5	16.4	24.6
87	14.1	11.2	16.8

Manual Integrations
 APPROVED

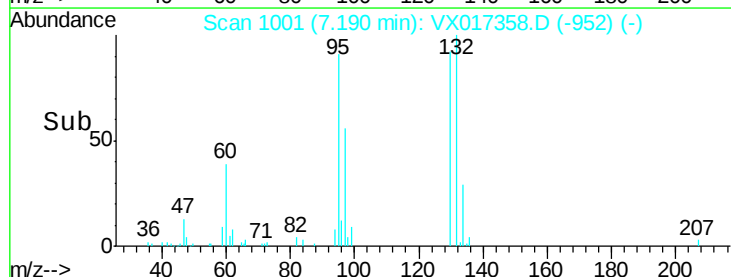
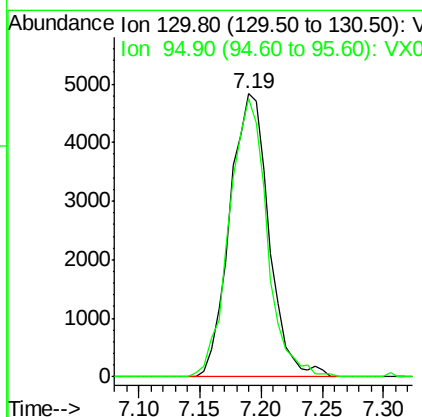
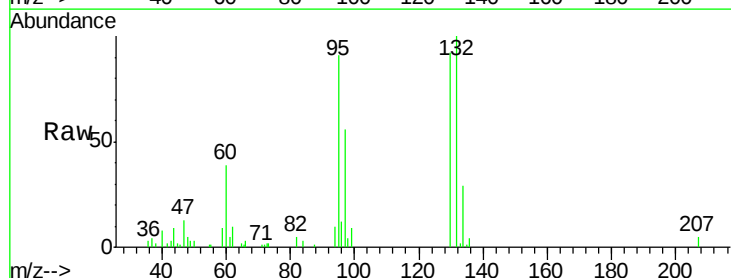
MMDadoda
 7/14/2020 11:36:05 AM

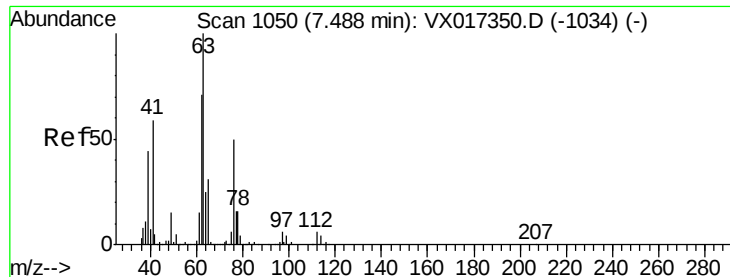


#44

Trichloroethene
 Concen: 2.595 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Tgt Ion	130	Resp	10708
Ion Ratio	100	Lower	Upper
130	100		
95	98.3	0.0	180.2





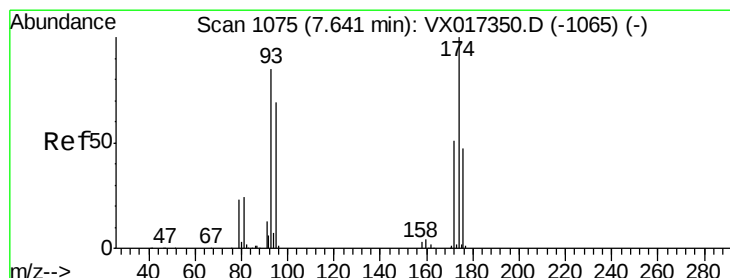
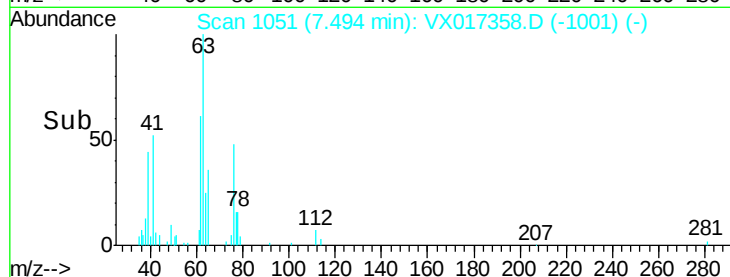
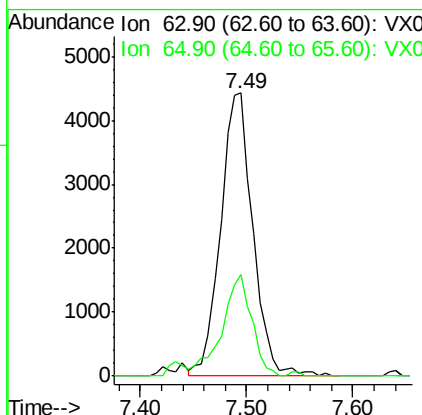
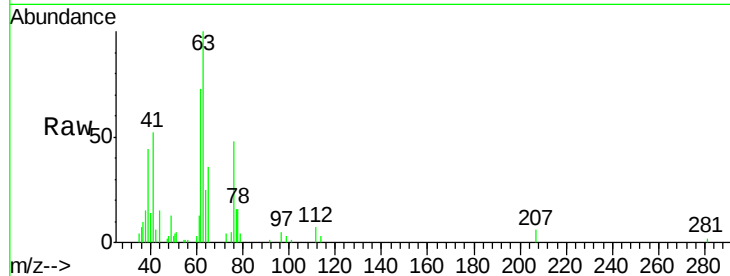
#45
 1,2-Dichloropropane
 Concen: 2.706 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.6	24.5	36.7

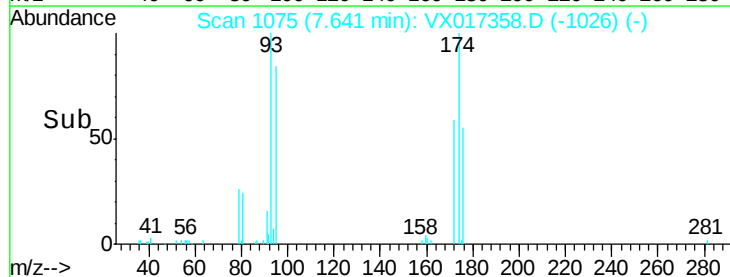
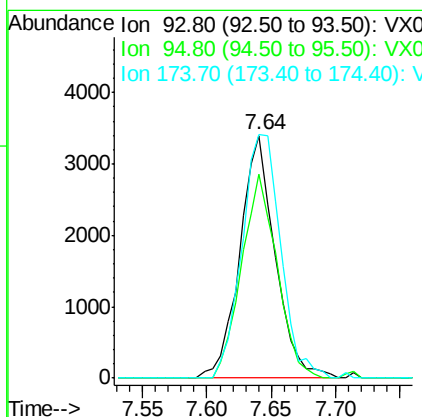
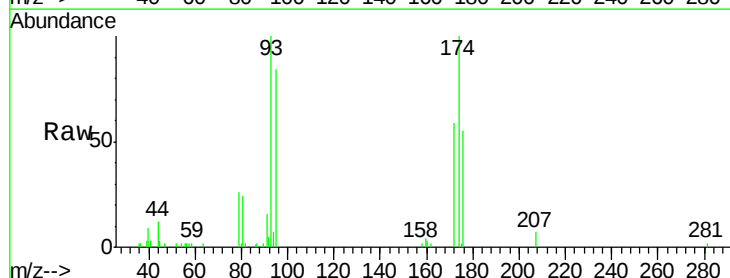
Manual Integrations
 APPROVED

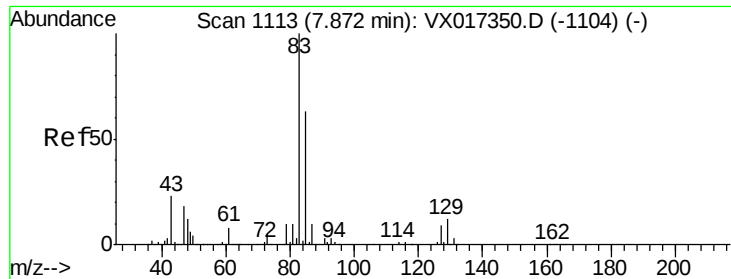
MMDadoda
 7/14/2020 11:36:05 AM



#46
 Dibromomethane
 Concen: 2.584 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.4	98.2
174	110.1	91.2	136.8





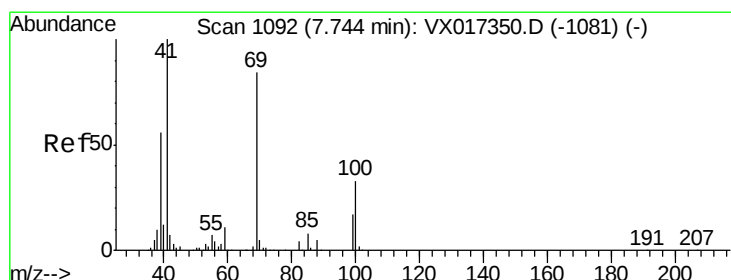
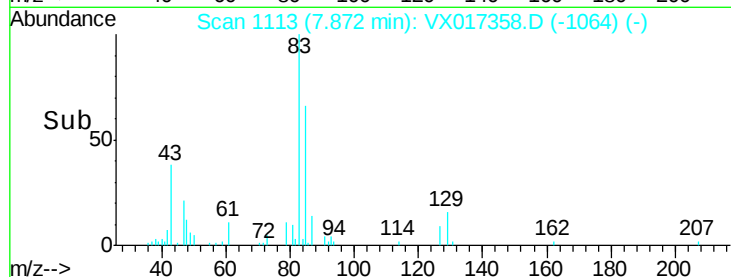
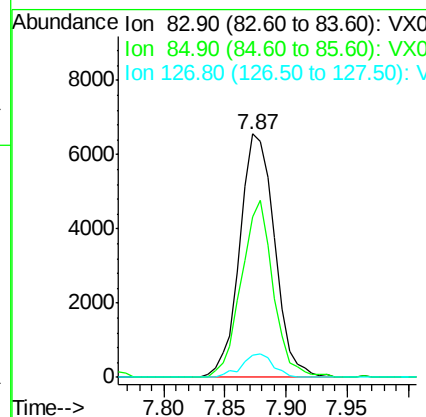
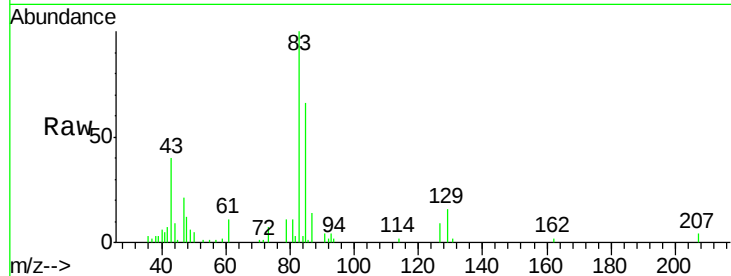
#47
Bromodichloromethane
Concen: 2.496 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	83	Resp	13012
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	50.2	75.4
127	9.3	7.1	10.7

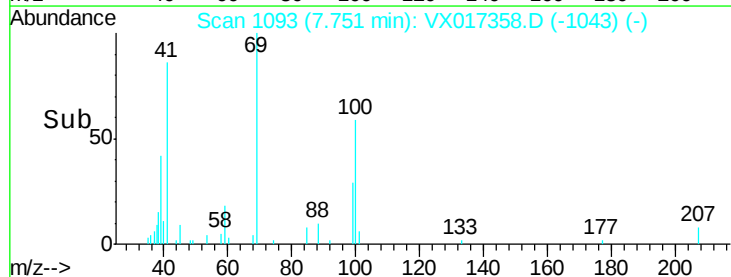
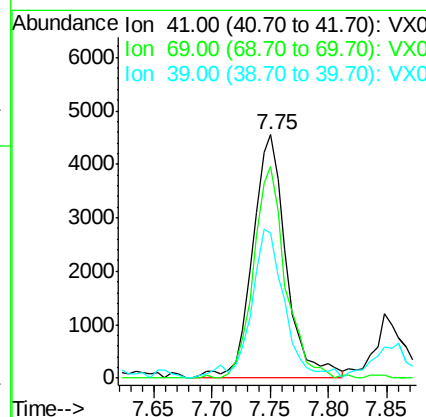
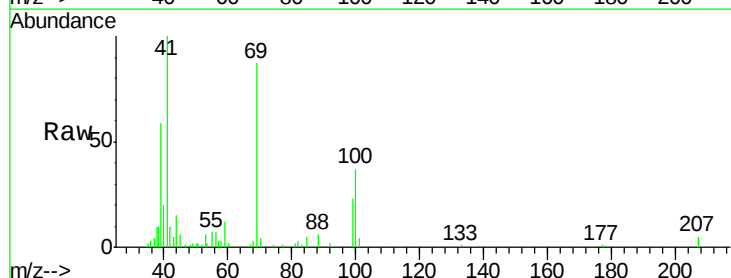
Manual Integrations
APPROVED

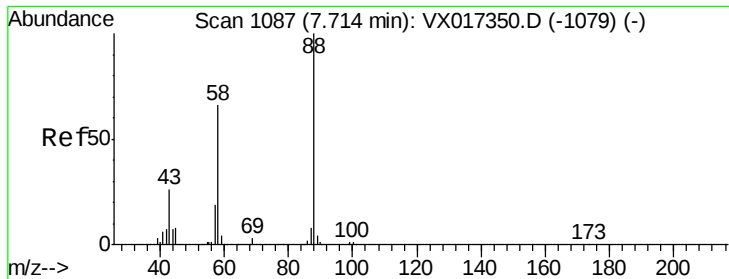
MMDadoda
7/14/2020 11:36:05 AM



#48
Methyl methacrylate
Concen: 2.468 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	41	Resp	9201
Ion Ratio	100	Lower	Upper
41	100		
69	81.4	67.8	101.6
39	60.6	45.1	67.7





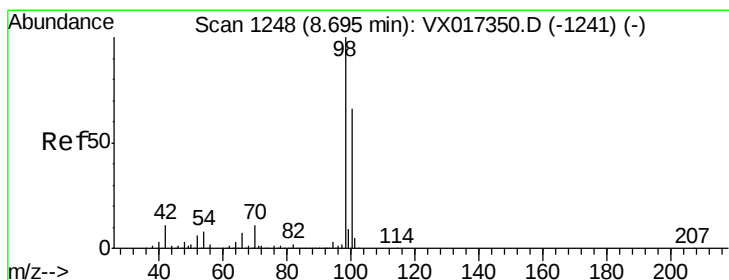
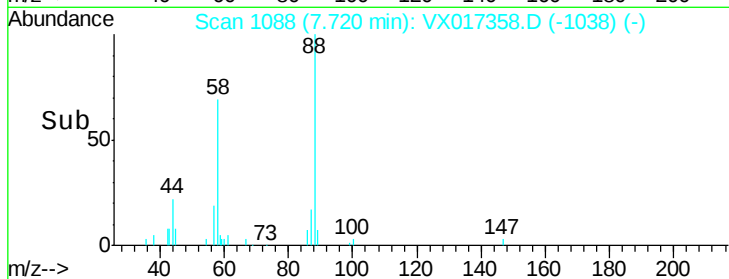
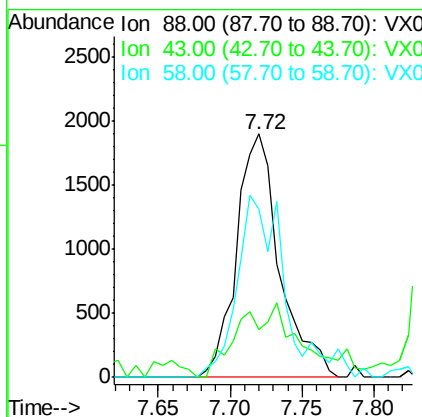
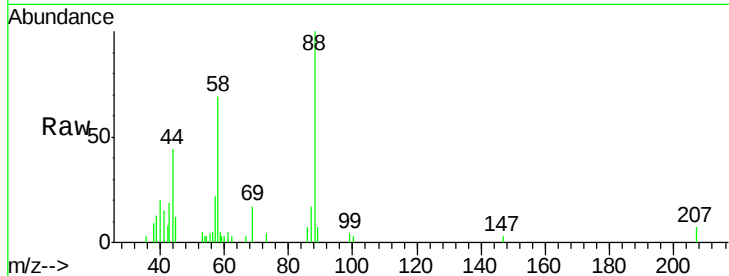
#49
1,4-Dioxane
Concen: 51.792 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	18.6	25.6	38.4#
58	82.6	53.9	80.9#

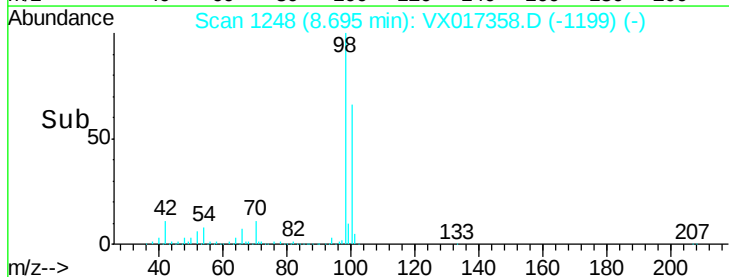
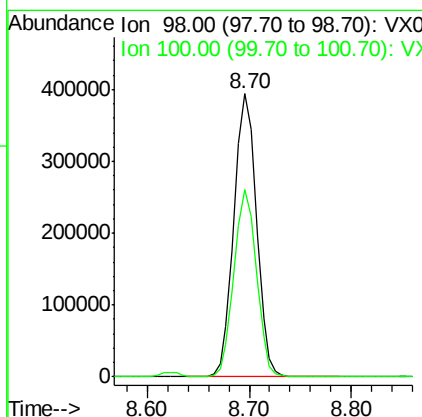
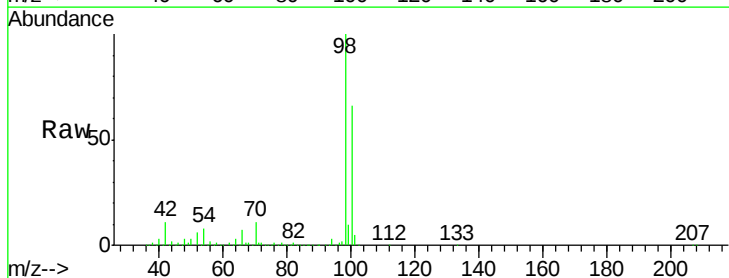
Manual Integrations
APPROVED

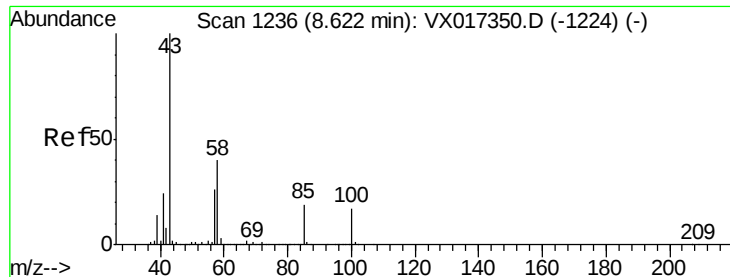
MMDadoda
7/14/2020 11:36:05 AM



#50
Toluene-d8
Concen: 48.520 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 12.105 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 57337

Ion Ratio Lower Upper

43 100

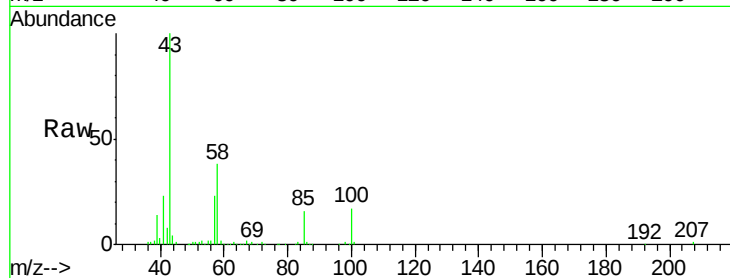
58 39.8 32.2 48.2

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

30000

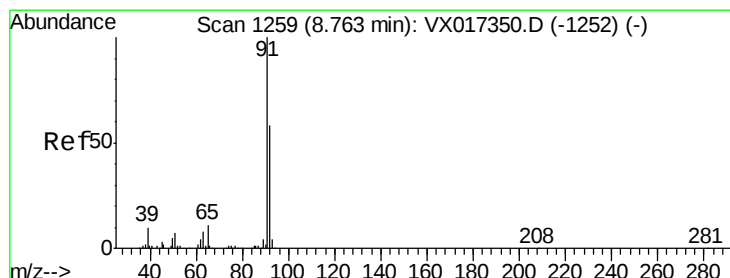
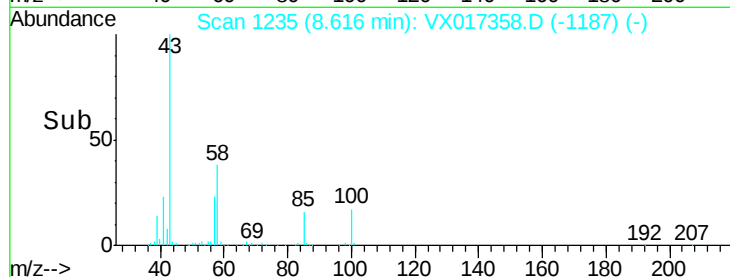
20000

10000

0

Time-->

8.55 8.60 8.65



#52

Toluene

Concen: 2.558 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017358.D

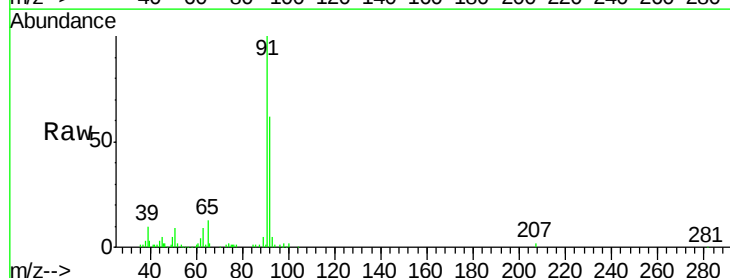
Acq: 13 Jul 2020 17:13

Tgt Ion: 92 Resp: 22177

Ion Ratio Lower Upper

92 100

91 169.8 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.76

25000

20000

15000

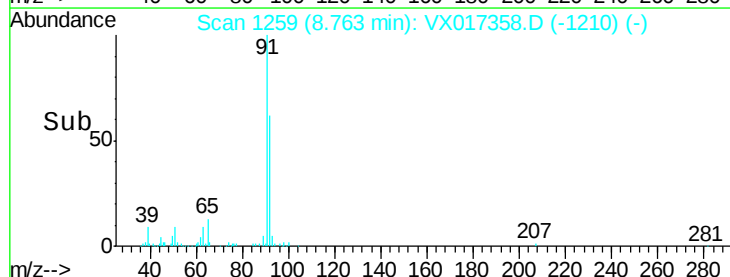
10000

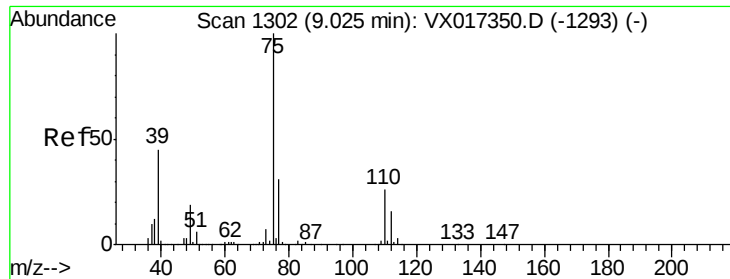
5000

0

Time-->

8.70 8.75 8.80 8.85





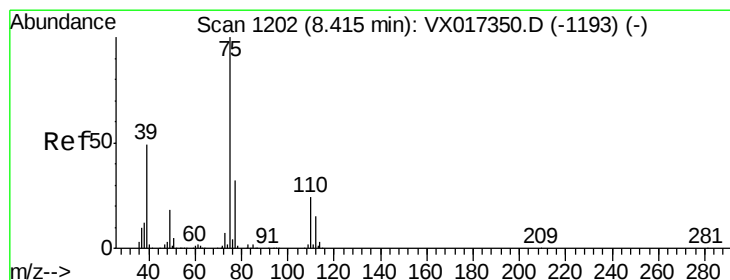
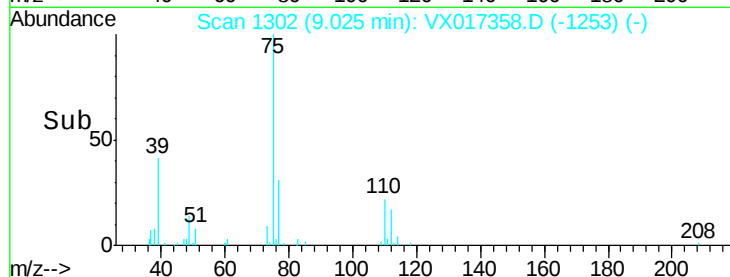
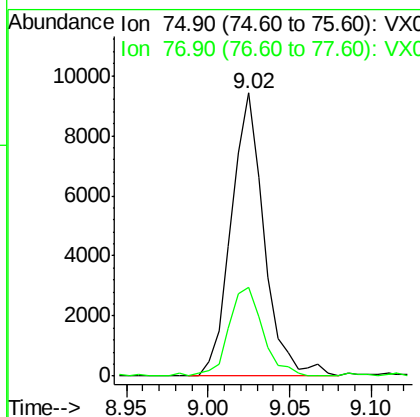
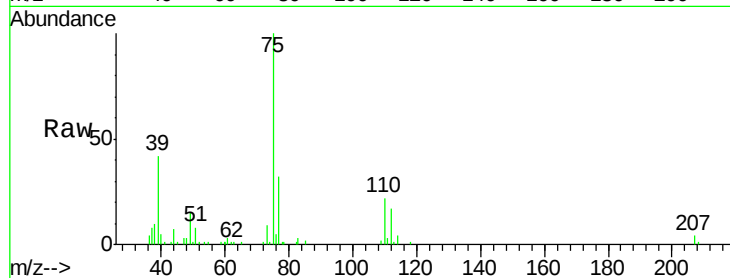
#53
 t-1,3-Dichloropropene
 Concen: 2.348 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

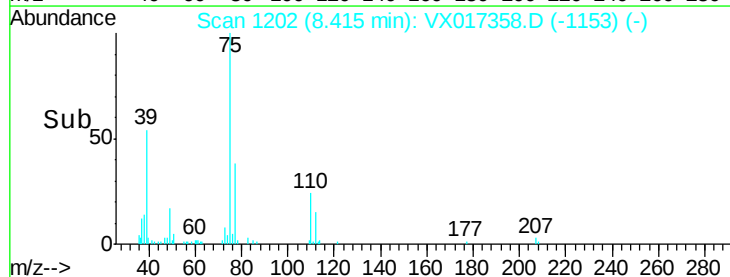
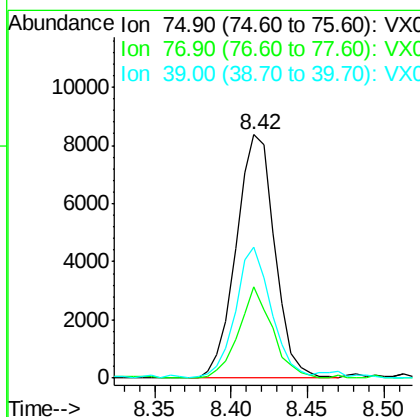
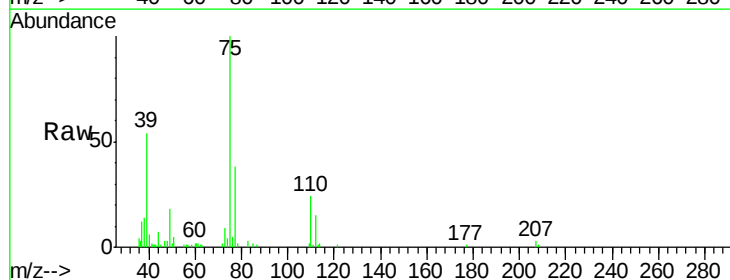
Manual Integrations
 APPROVED

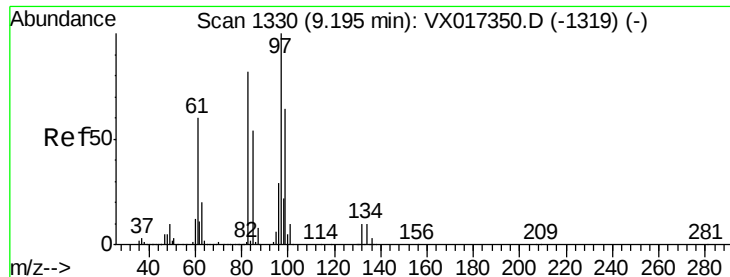
MMDadoda
 7/14/2020 11:36:05 AM



#54
 cis-1,3-Dichloropropene
 Concen: 2.440 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.6	25.3	37.9
39	53.6	38.9	58.3





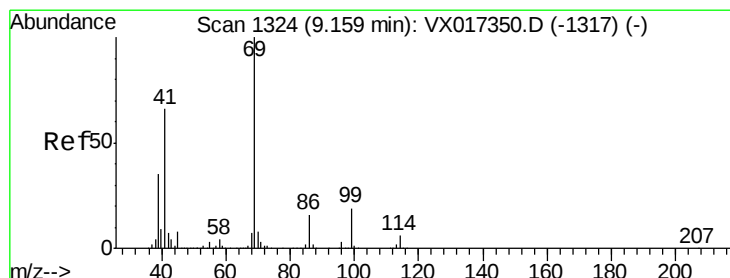
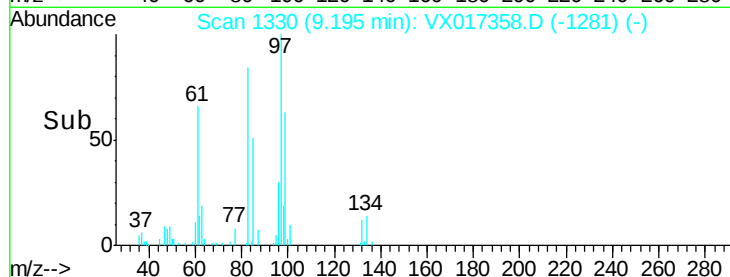
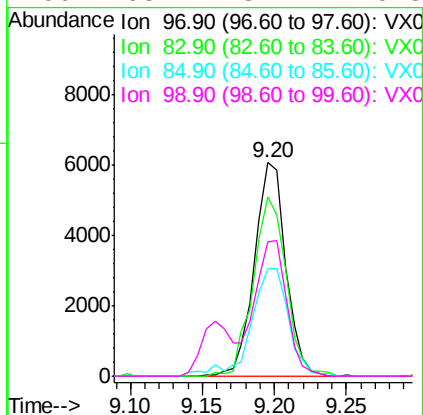
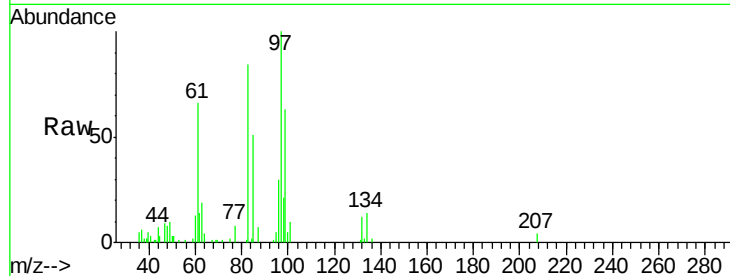
#55
 1,1,2-Trichloroethane
 Concen: 2.531 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	97	100	9150		
83	83	83.7		65.8	98.6
85	85	50.6		42.8	64.2
99	99	63.2		51.2	76.8

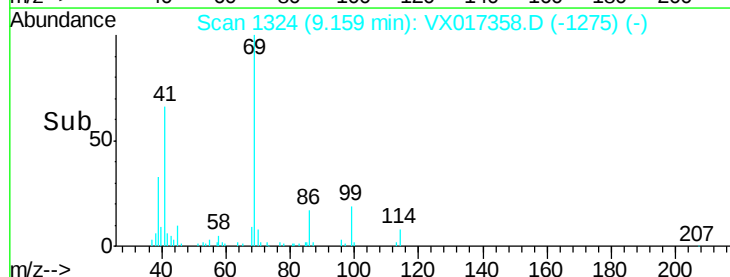
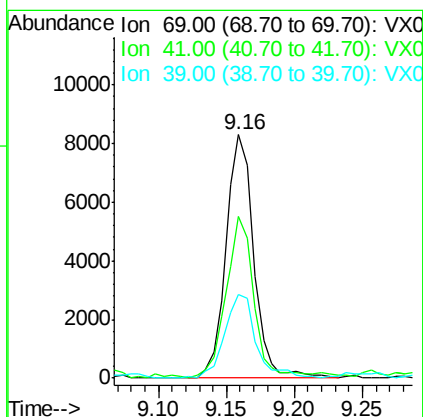
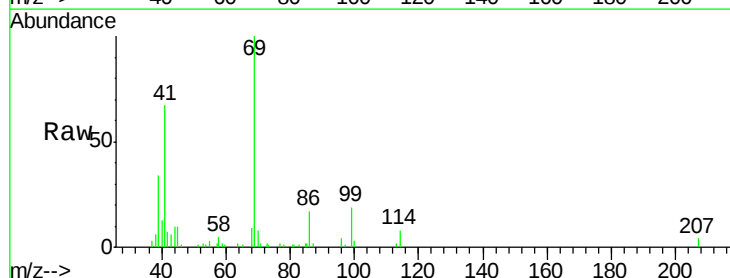
Manual Integrations
 APPROVED

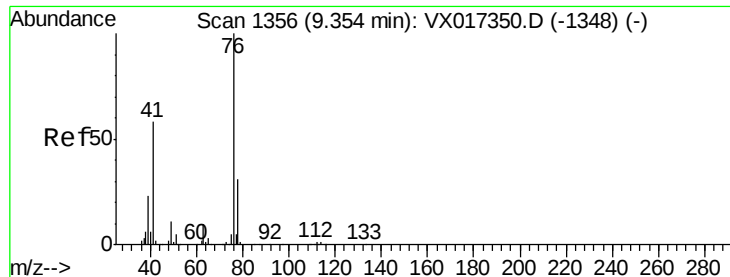
MMDadoda
 7/14/2020 11:36:05 AM



#56
 Ethyl methacrylate
 Concen: 2.289 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	69	100	11749		
41	41	67.1		52.6	78.8
39	39	38.8		28.8	43.2





#57

1,3-Dichloropropane

Concen: 2.428 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 14601

Ion Ratio Lower Upper

76 100

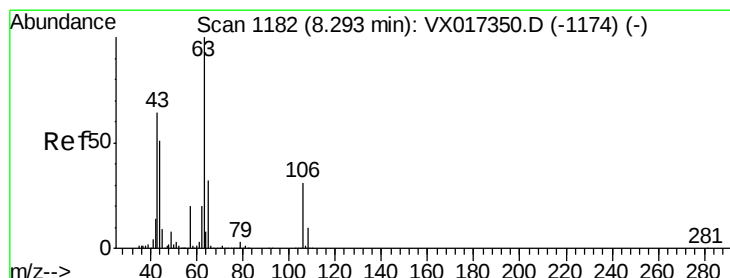
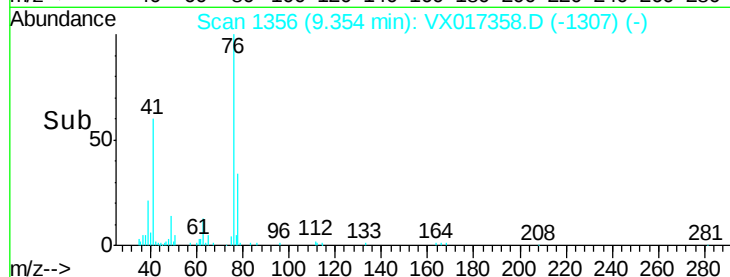
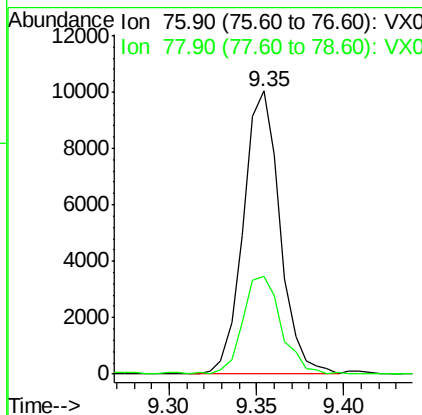
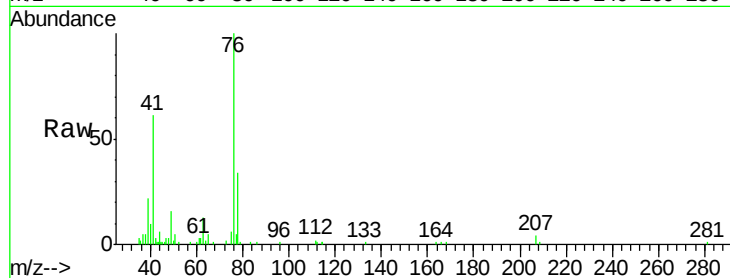
78 36.2 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



#58

2-Chloroethyl Vinyl ether

Concen: 10.938 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017358.D

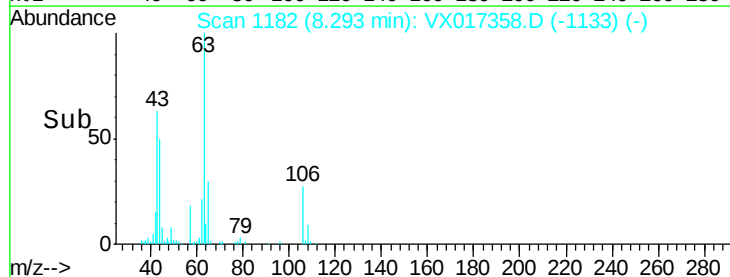
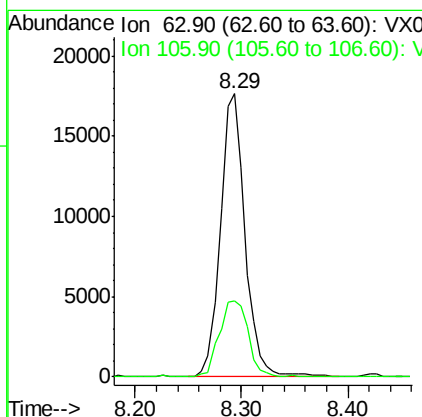
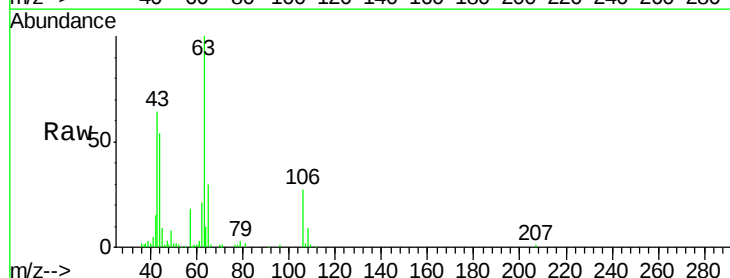
Acq: 13 Jul 2020 17:13

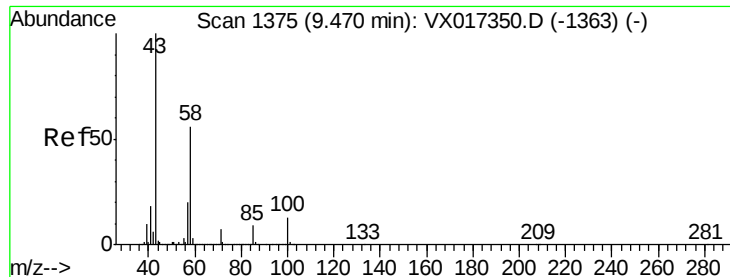
Tgt Ion: 63 Resp: 28504

Ion Ratio Lower Upper

63 100

106 31.4 24.8 37.2





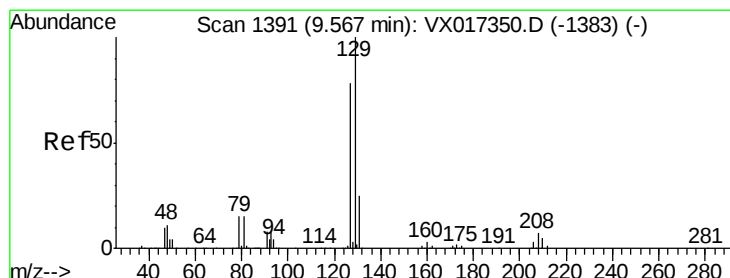
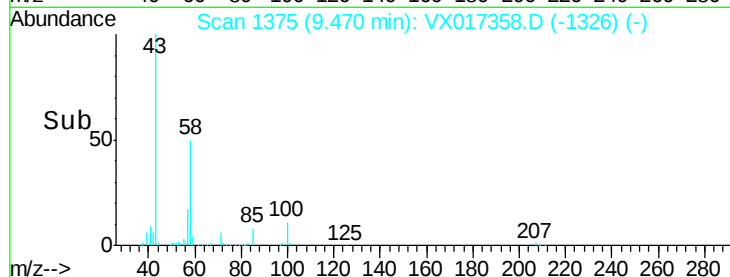
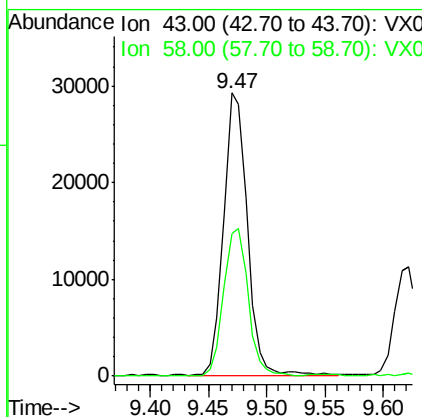
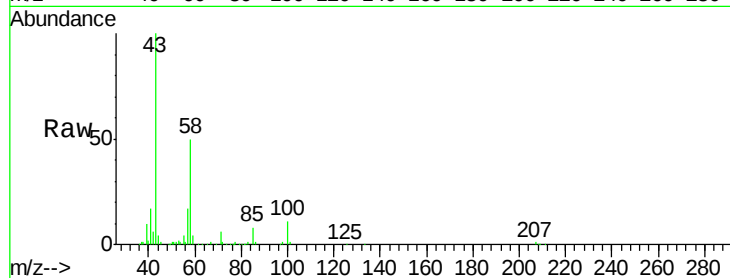
#59
2-Hexanone
Concen: 11.706 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 41851
Ion Ratio Lower Upper
43 100
58 53.5 28.1 84.3

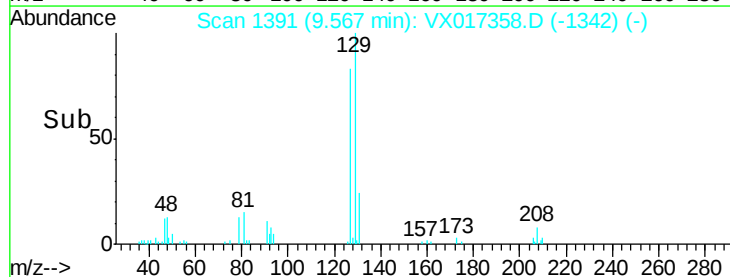
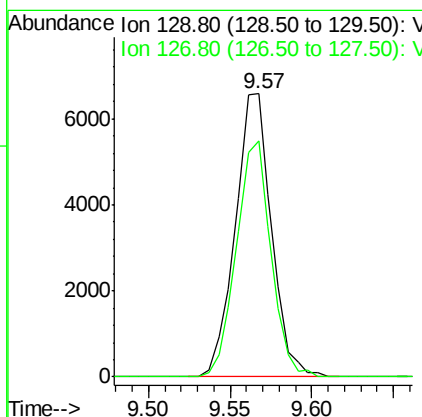
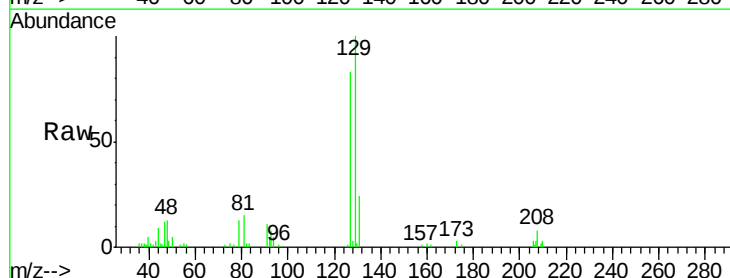
Manual Integrations
APPROVED

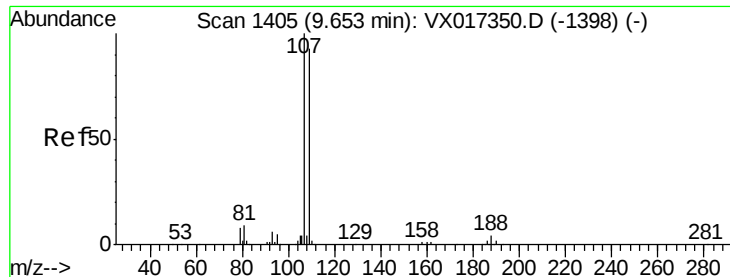
MMDadoda
7/14/2020 11:36:05 AM



#60
Dibromochloromethane
Concen: 2.305 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion: 129 Resp: 10179
Ion Ratio Lower Upper
129 100
127 80.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 2.494 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:107 Resp: 9810

Ion Ratio Lower Upper

107 100

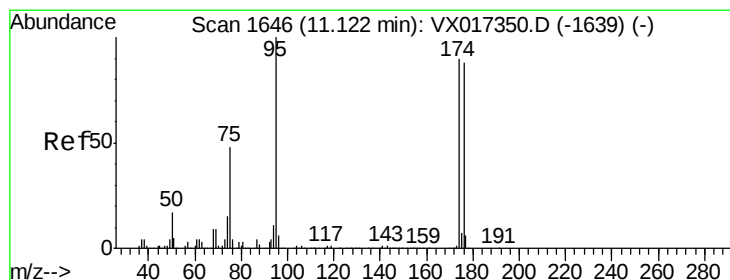
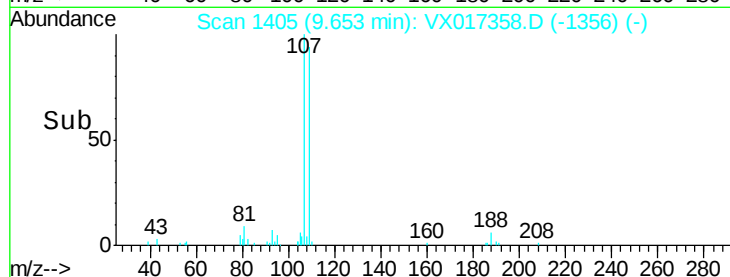
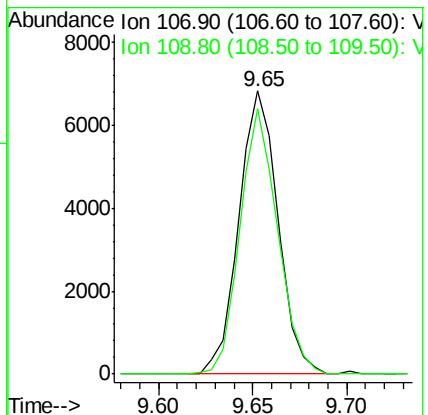
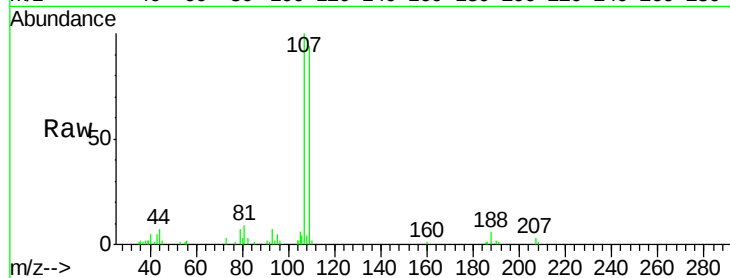
109 90.3 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



#62

4-Bromofluorobenzene

Concen: 45.057 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

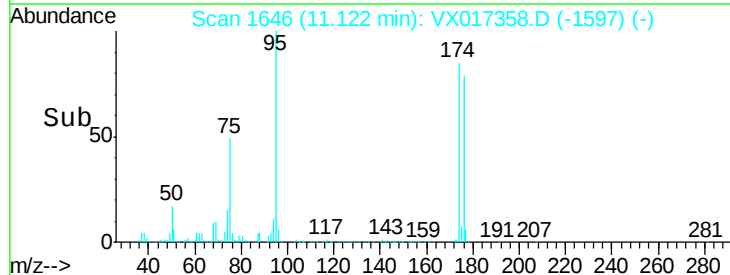
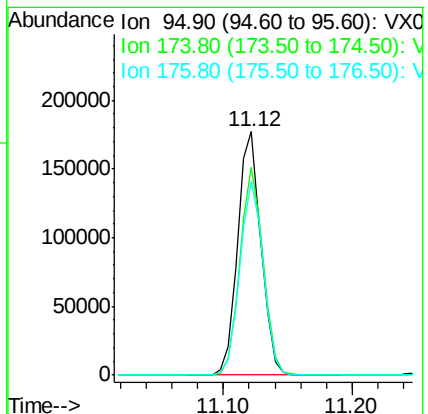
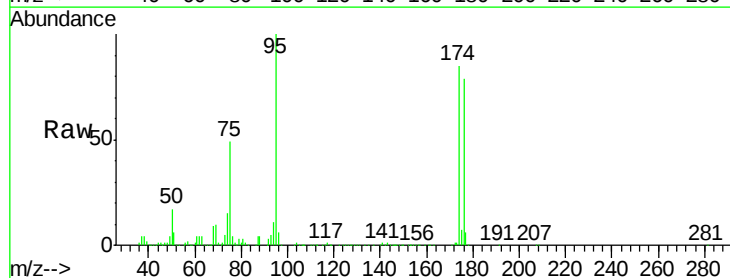
Tgt Ion: 95 Resp: 222254

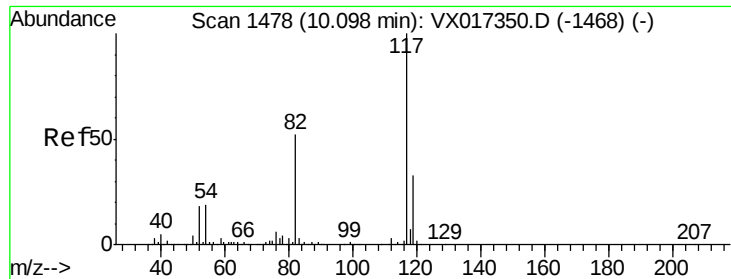
Ion Ratio Lower Upper

95 100

174 84.3 0.0 175.8

176 79.6 0.0 164.6





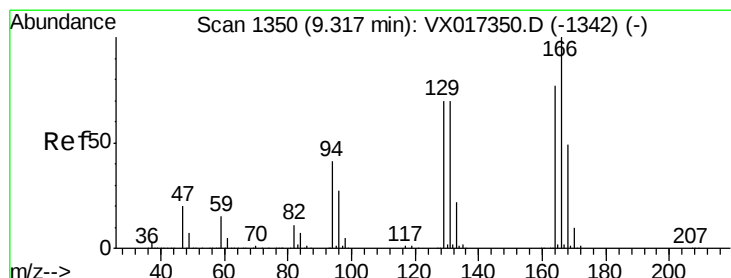
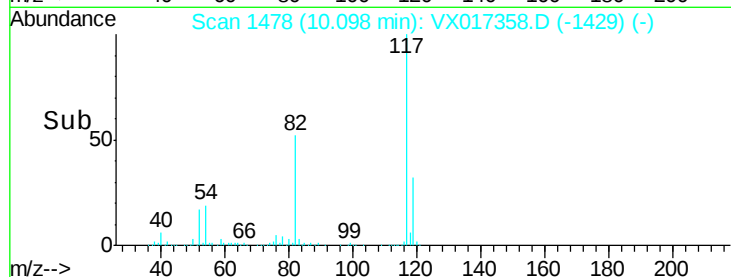
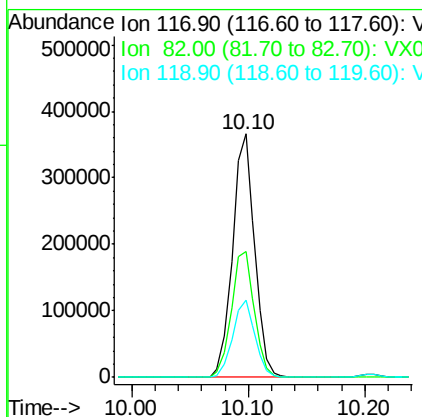
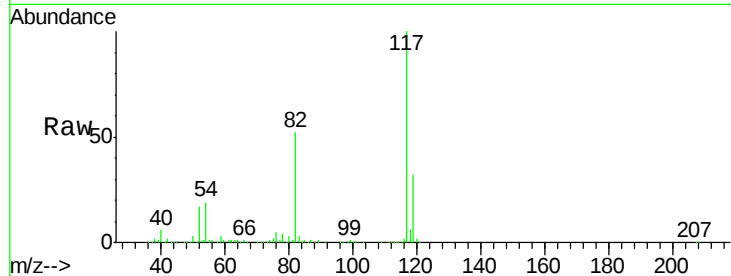
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	483399		
82	51.7	42.0	63.0	
119	31.5	26.3	39.5	

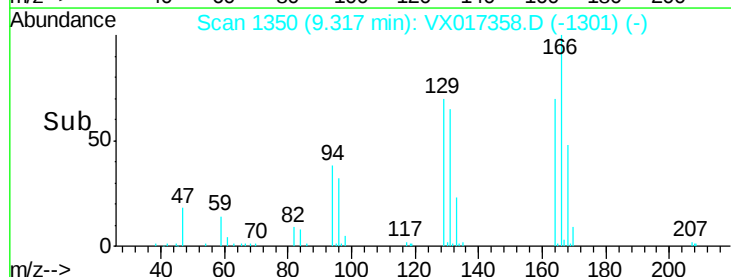
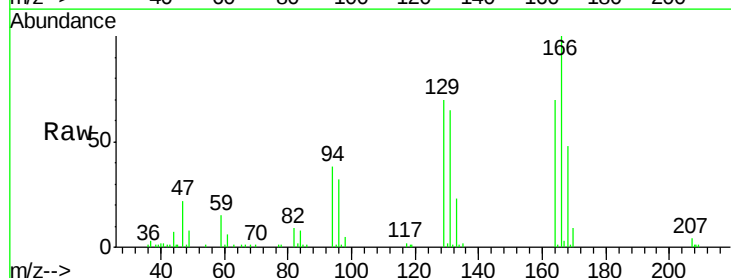
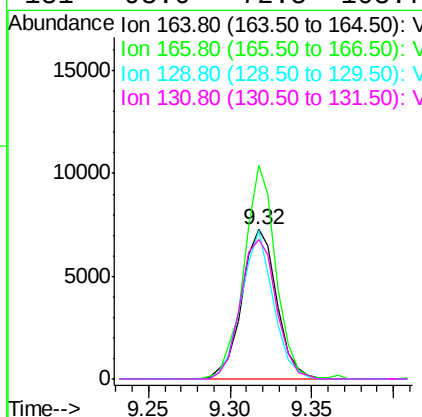
Manual Integrations
APPROVED

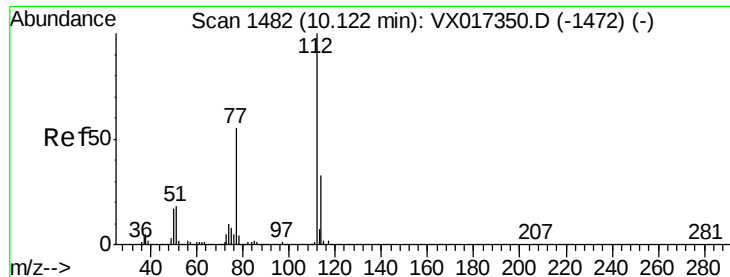
MMDadoda
7/14/2020 11:36:05 AM



#64
Tetrachloroethene
Concen: 2.597 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10867		
166	143.0	103.9	155.9	
129	99.5	72.9	109.3	
131	93.0	72.5	108.7	





#65

Chlorobenzene

Concen: 2.582 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:112 Resp: 25367

Ion Ratio Lower Upper

112 100

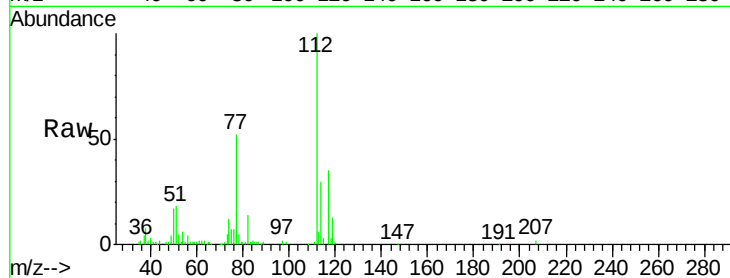
114 29.9 26.0 39.0

Manual Integrations

APPROVED

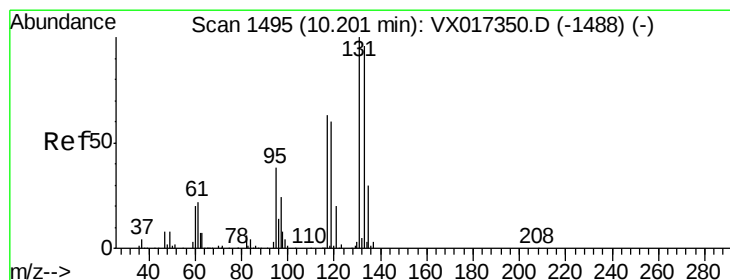
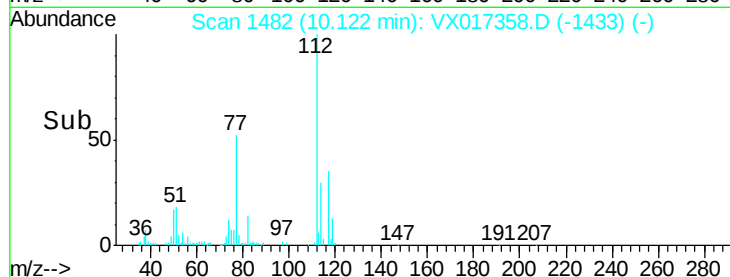
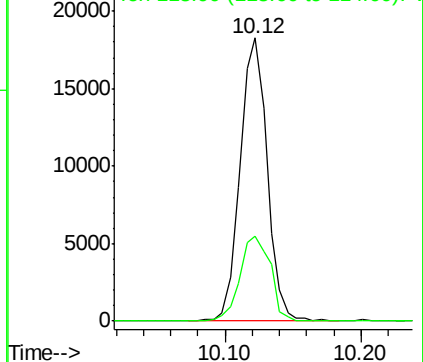
MMDadoda

7/14/2020 11:36:05 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.404 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

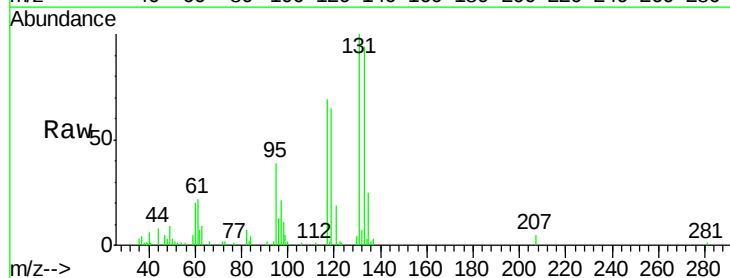
Tgt Ion:131 Resp: 9404

Ion Ratio Lower Upper

131 100

133 101.4 48.4 145.2

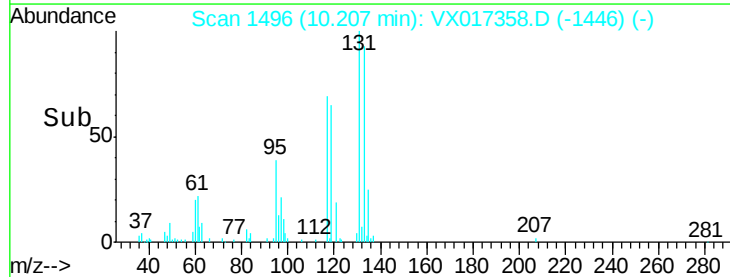
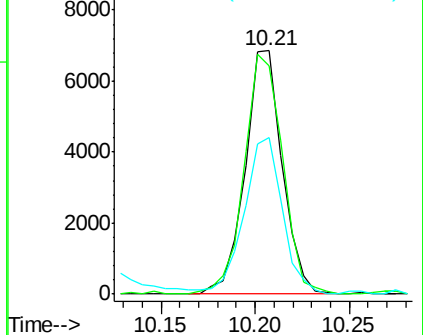
119 66.6 31.2 93.6

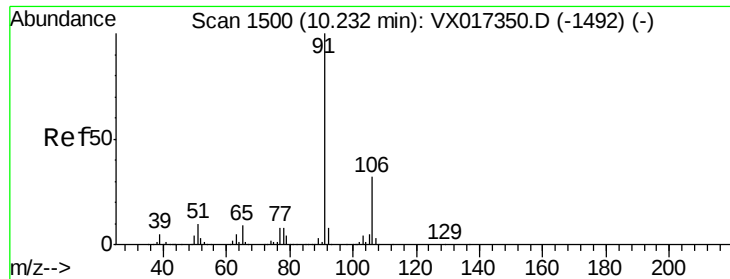


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





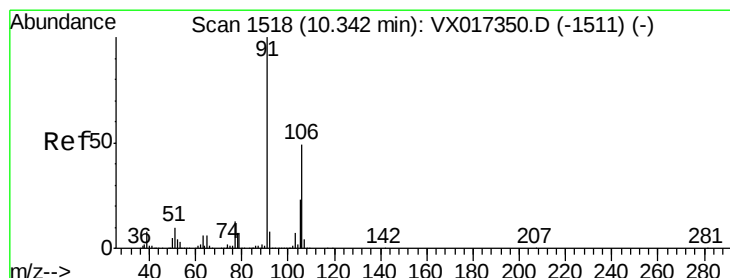
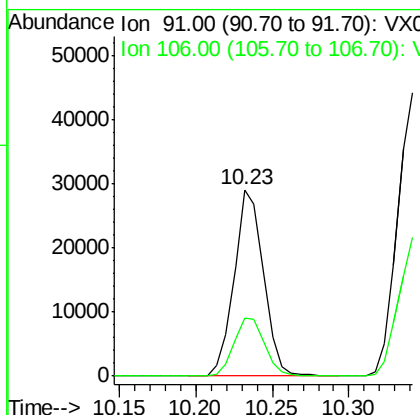
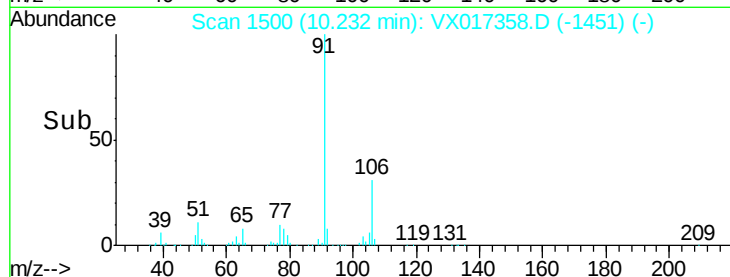
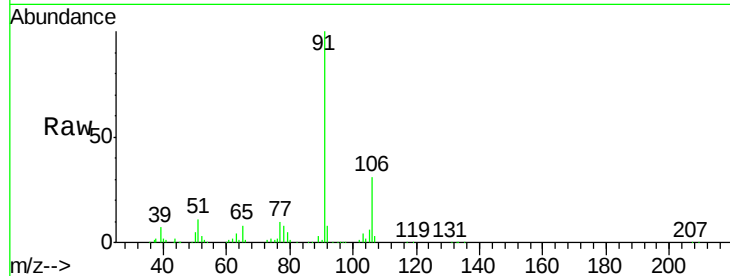
#67
Ethyl Benzene
Concen: 2.355 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 38509
Ion Ratio Lower Upper
91 100
106 30.8 25.7 38.5

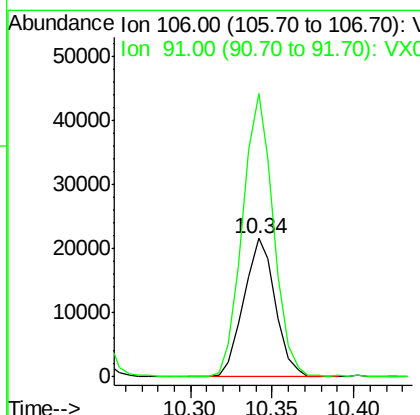
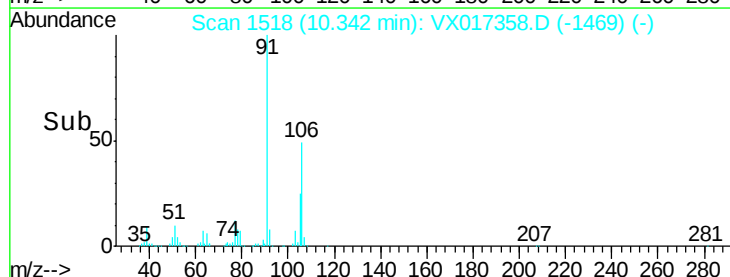
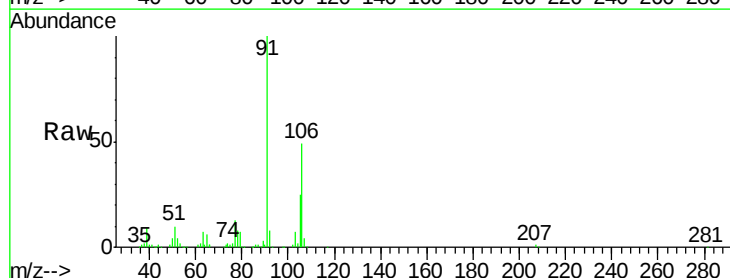
Manual Integrations
APPROVED

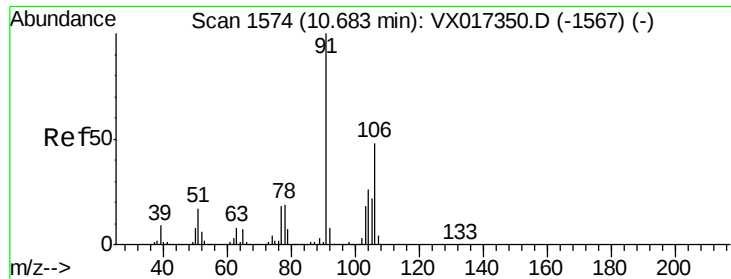
MMDadoda
7/14/2020 11:36:05 AM



#68
m/p-Xylenes
Concen: 4.719 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion: 106 Resp: 29366
Ion Ratio Lower Upper
106 100
91 197.1 162.5 243.7





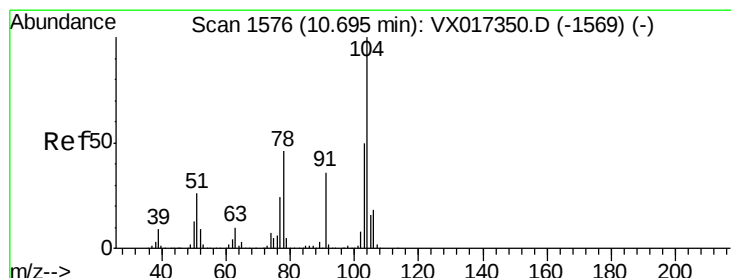
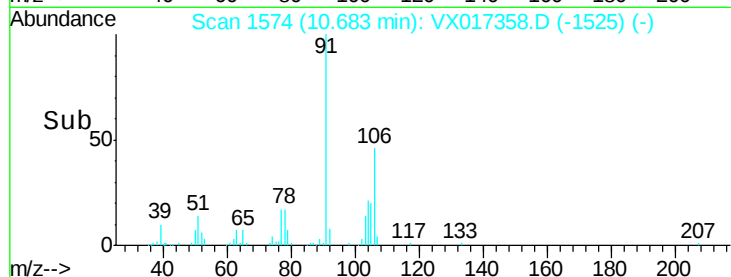
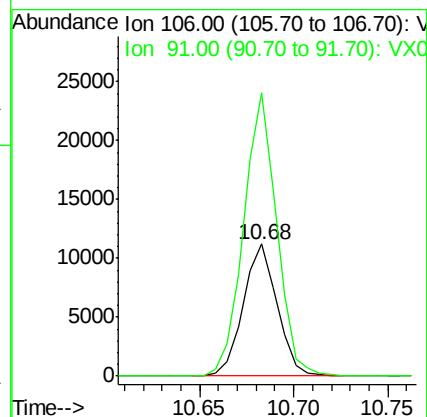
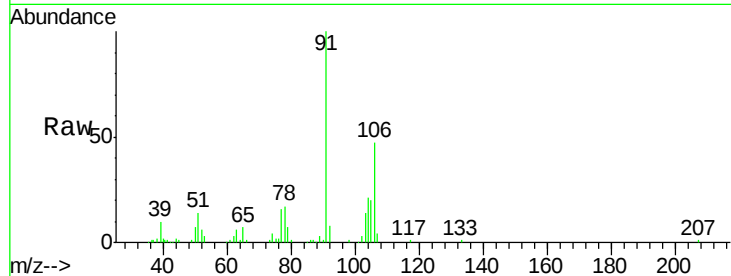
#69
o-Xylene
Concen: 2.365 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 14059
Ion Ratio Lower Upper
106 100
91 208.2 106.1 318.1

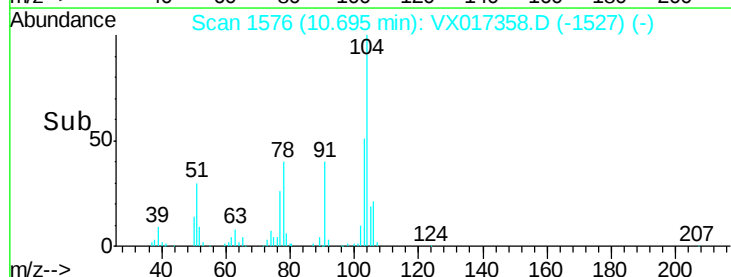
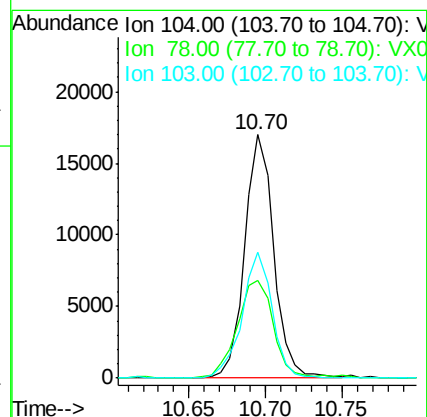
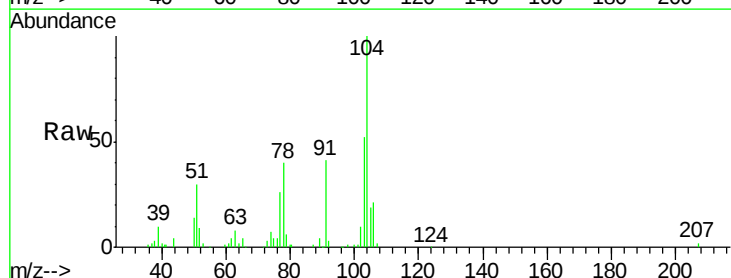
Manual Integrations
APPROVED

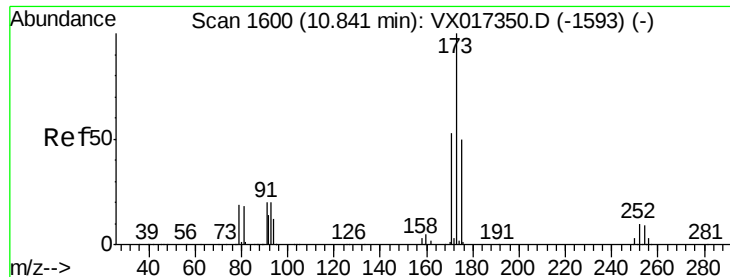
MMDadoda
7/14/2020 11:36:05 AM



#70
Styrene
Concen: 2.206 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion:104 Resp: 22517
Ion Ratio Lower Upper
104 100
78 49.5 40.8 61.2
103 53.5 43.3 64.9





#71

Bromoform

Concen: 2.245 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

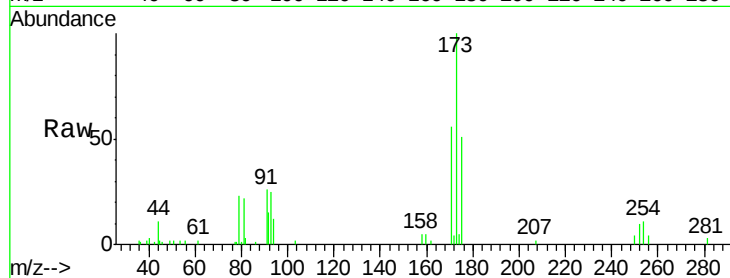
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

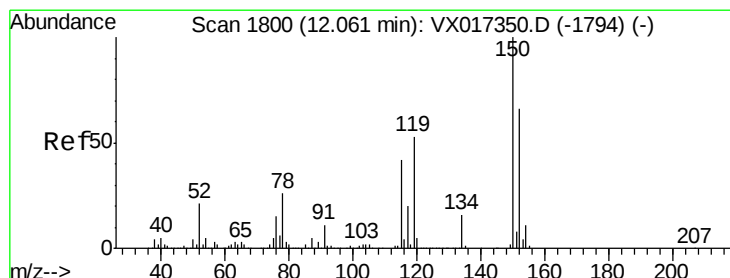
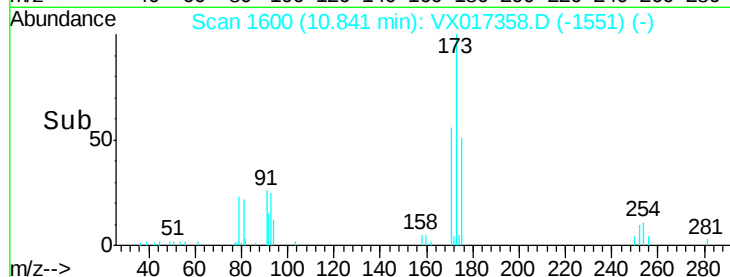
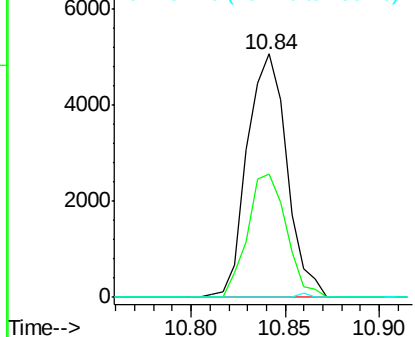
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.7	74.1
254	0.4	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

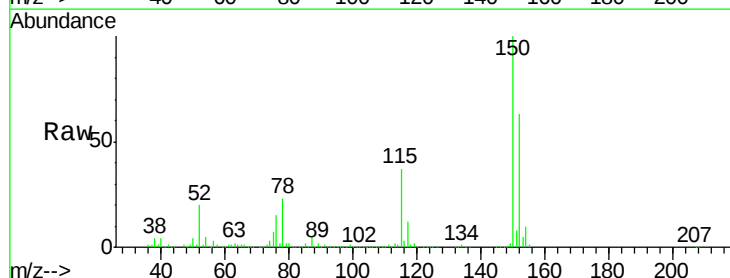
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

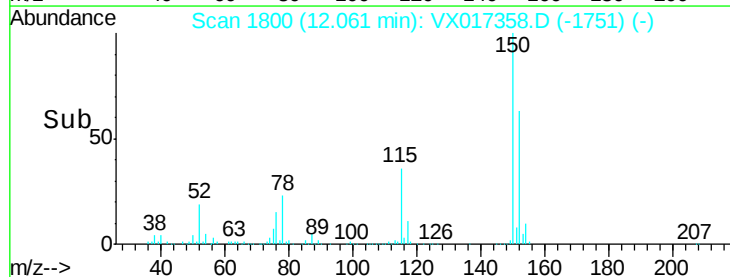
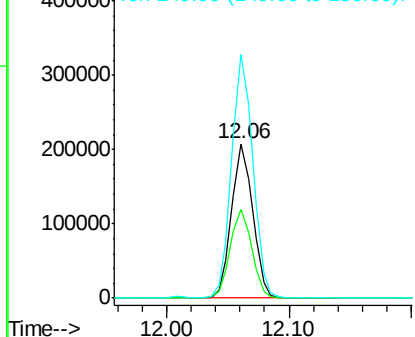
Lab File: VX017358.D

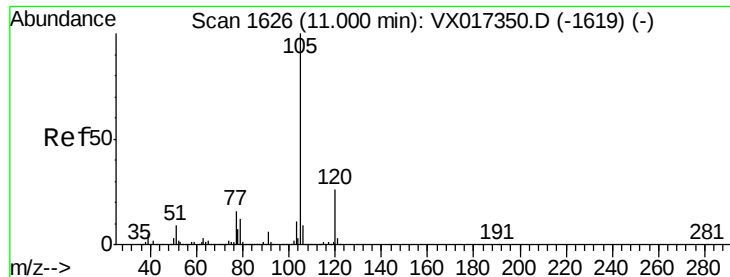
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	39.9	119.7
150	158.0	0.0	343.4



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





#73

Isopropylbenzene

Concen: 2.320 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 105 Resp: 36003

Ion Ratio Lower Upper

105 100

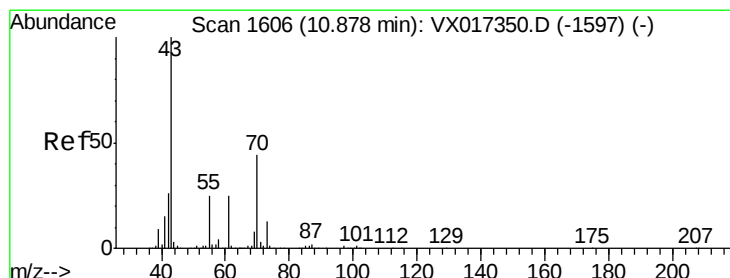
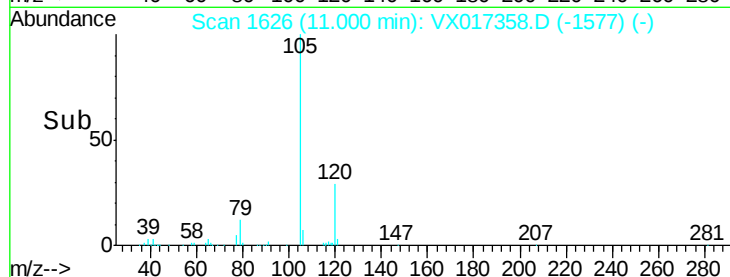
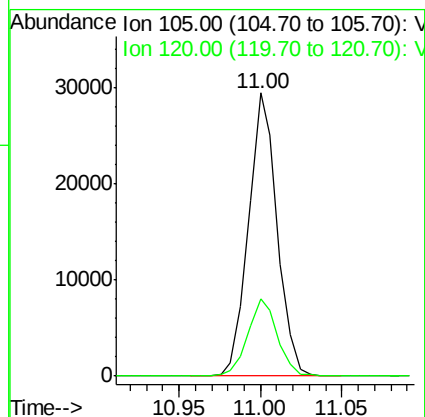
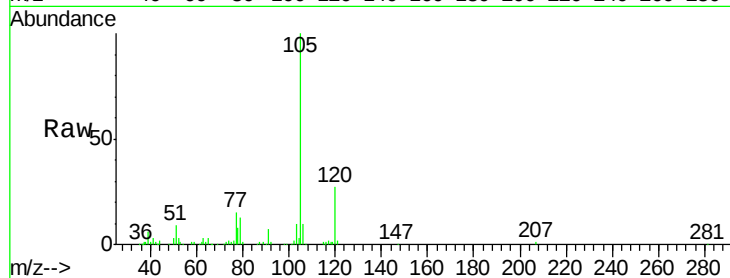
120 28.1 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:05 AM



#74

N-ethyl acetate

Concen: 2.261 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion: 43 Resp: 14044

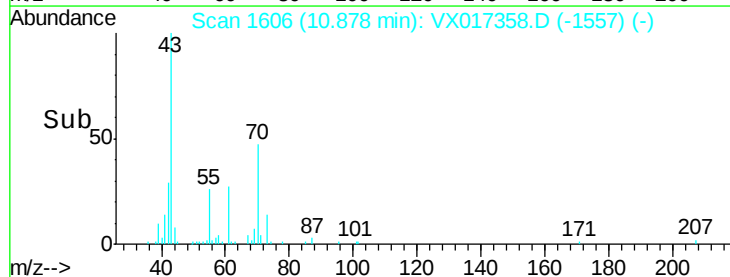
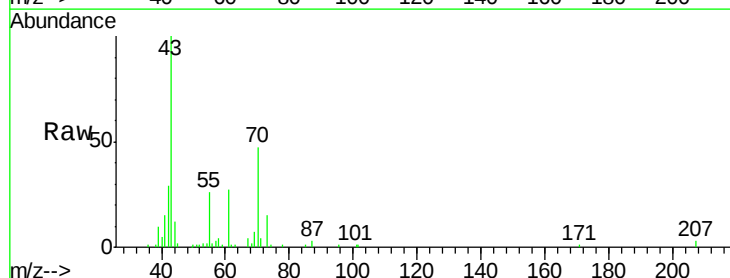
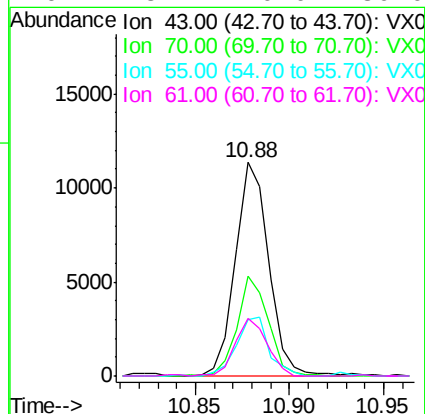
Ion Ratio Lower Upper

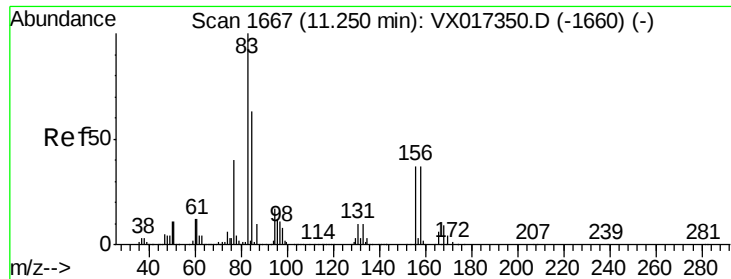
43 100

70 43.7 35.7 53.5

55 26.9 20.3 30.5

61 25.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.693 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

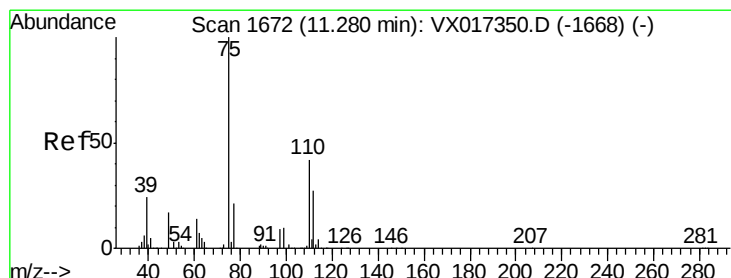
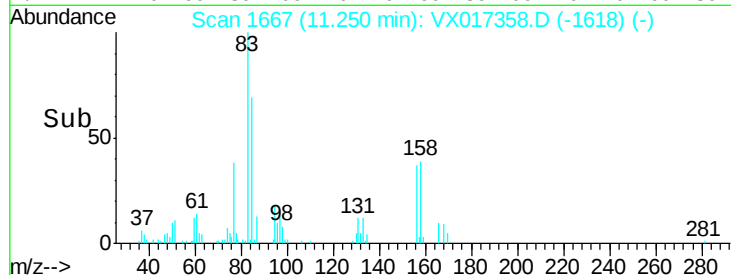
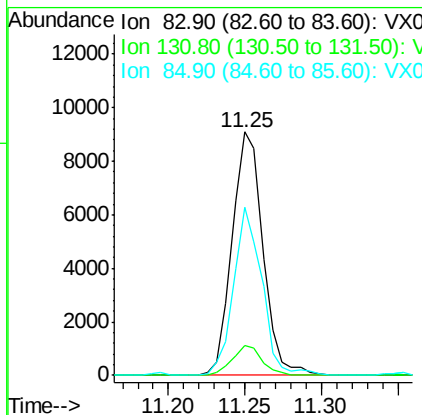
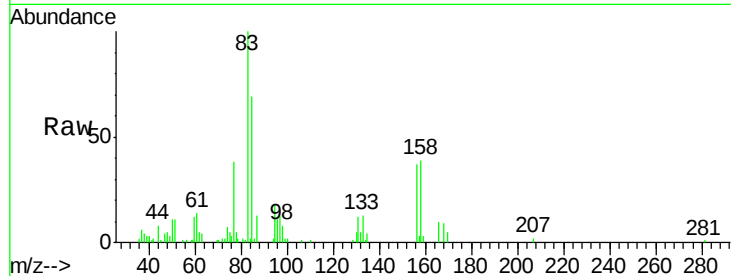
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	83	Resp:	12691
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.7
85	63.6	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#76

1,2,3-Trichloropropane

Concen: 2.665 ug/l m

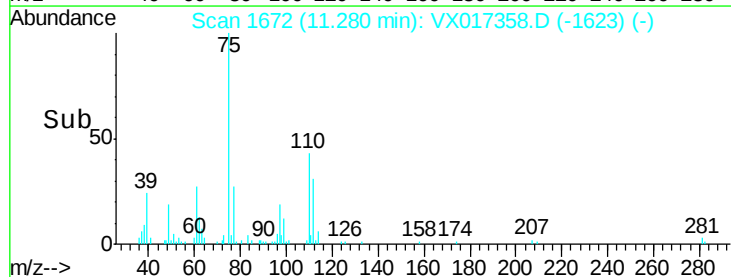
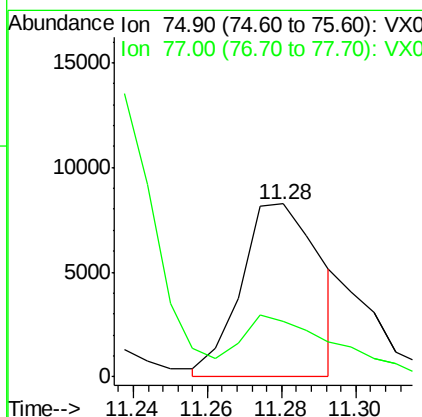
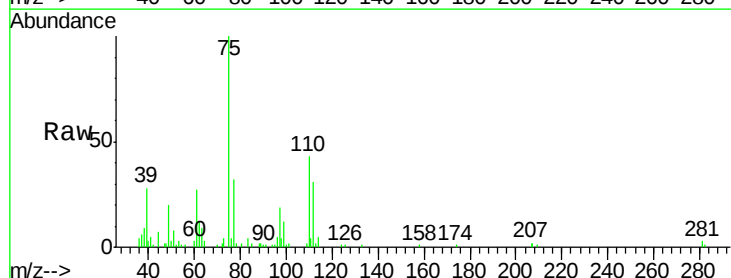
RT: 11.28 min Scan# 1672

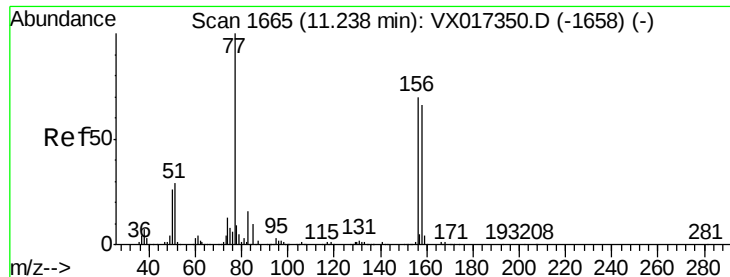
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	75	Resp:	12192
Ion Ratio	Lower	Upper	
75	100		
77	43.3	20.3	60.9





#77

Bromobenzene

Concen: 2.638 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

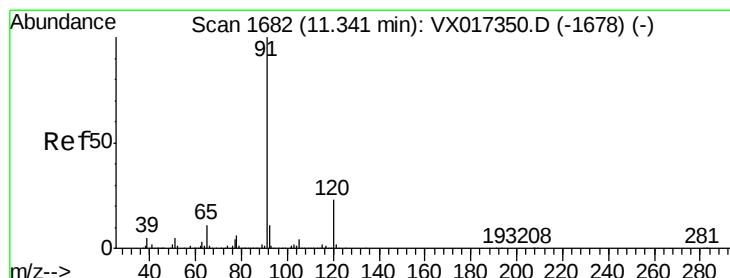
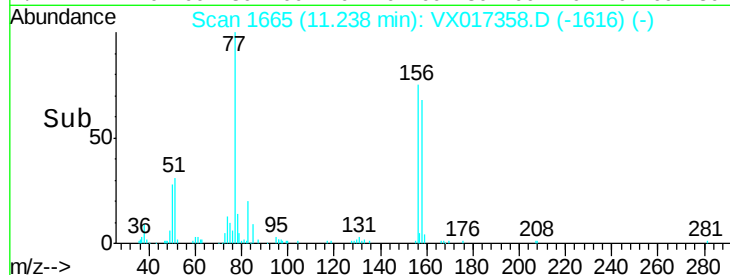
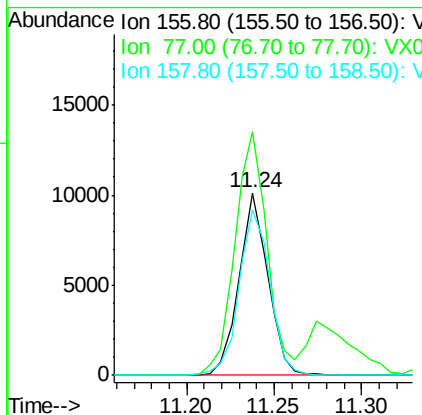
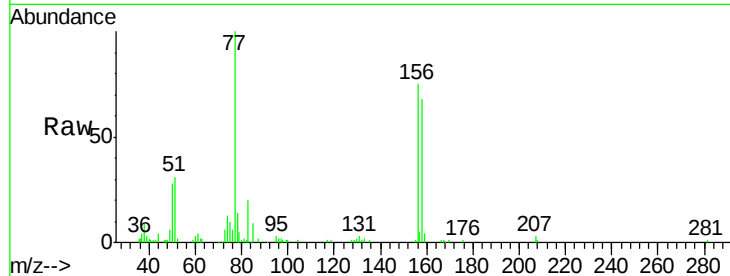
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	156	Resp:	11662
Ion Ratio	Lower	Upper	
156	100		
77	148.5	72.1	216.3
158	97.3	47.4	142.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#78

n-propylbenzene

Concen: 2.432 ug/l

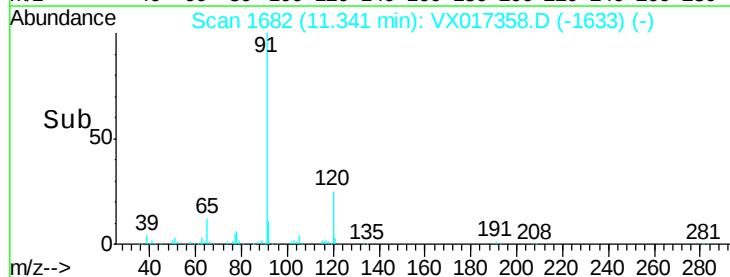
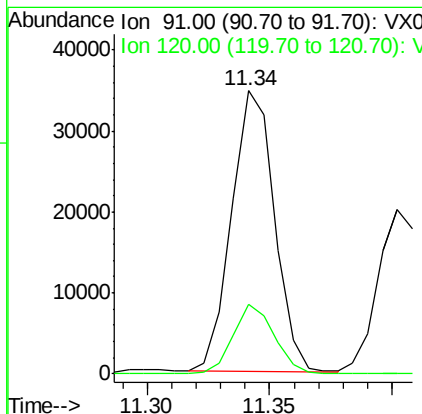
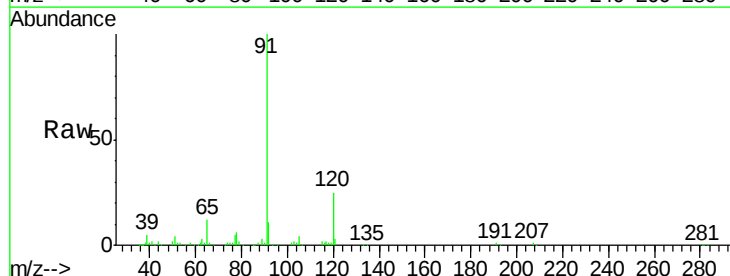
RT: 11.34 min Scan# 1682

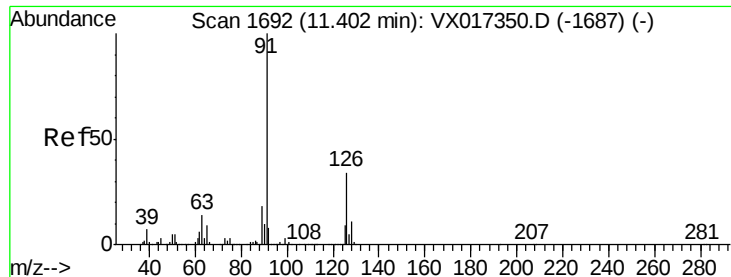
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	91	Resp:	42394
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.9





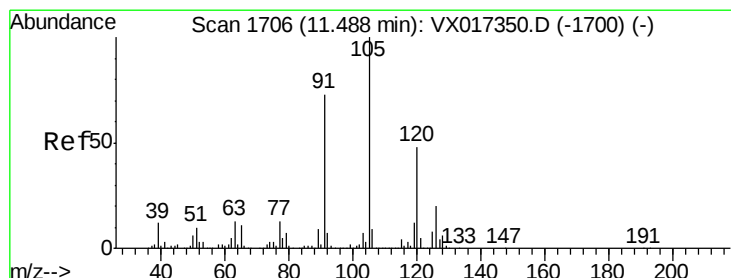
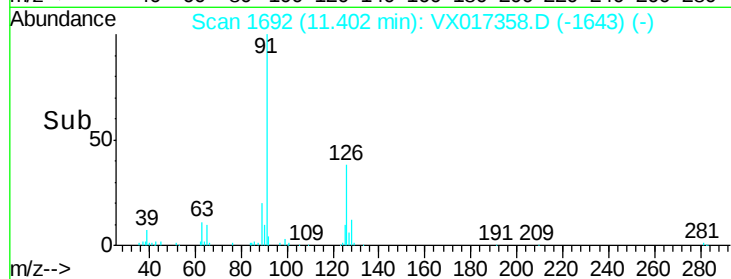
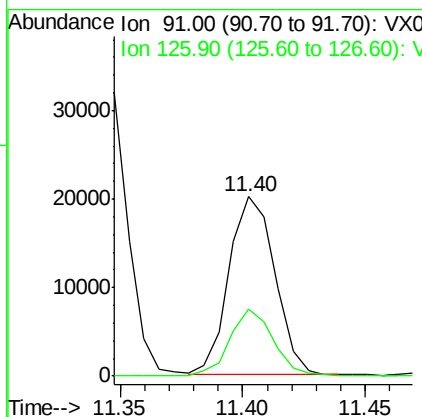
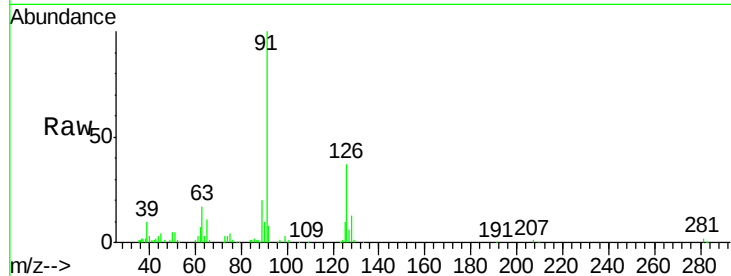
#79
 2-Chlorotoluene
 Concen: 2.444 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.4	52.3

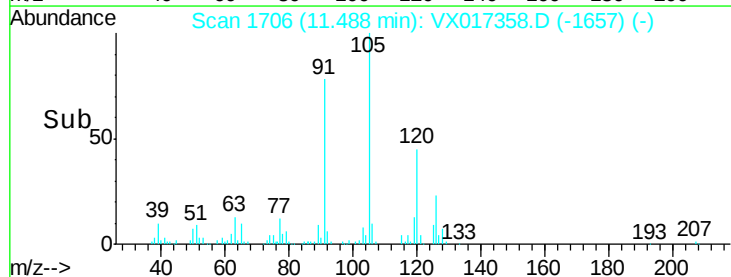
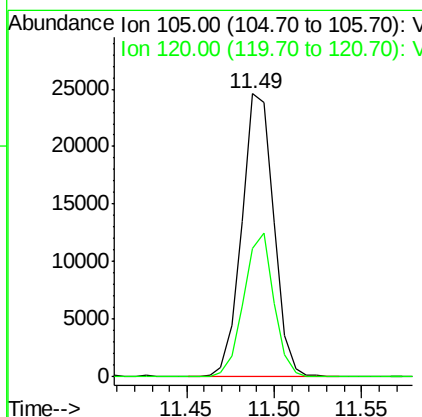
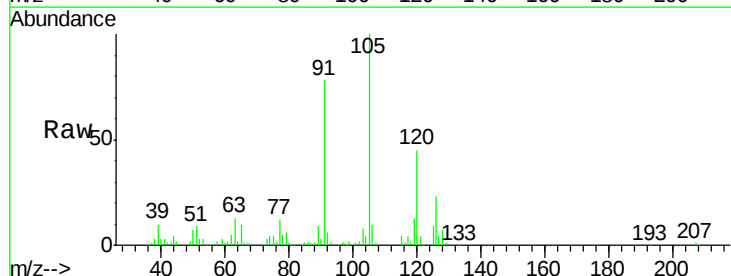
Manual Integrations
 APPROVED

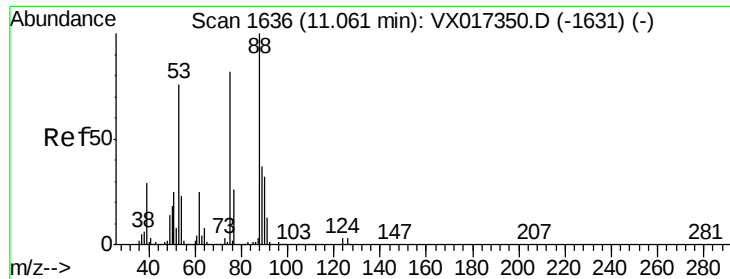
MMDadoda
 7/14/2020 11:36:05 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 2.372 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.8	74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 2.353 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Instrument :

MSVOA_X

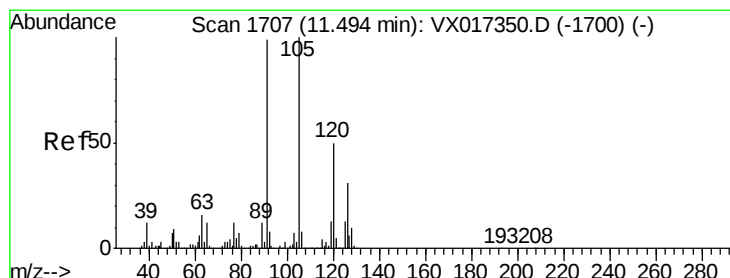
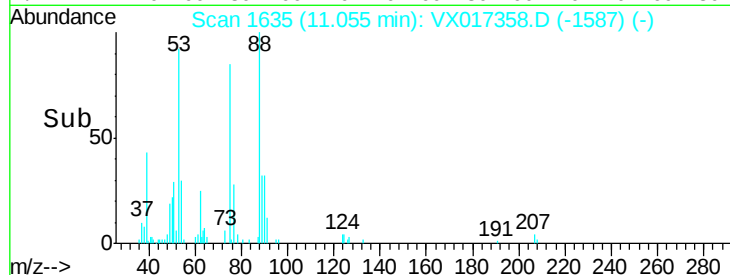
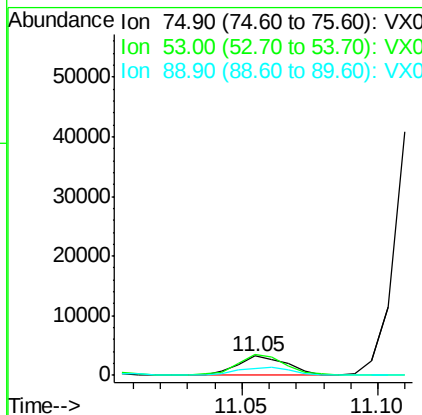
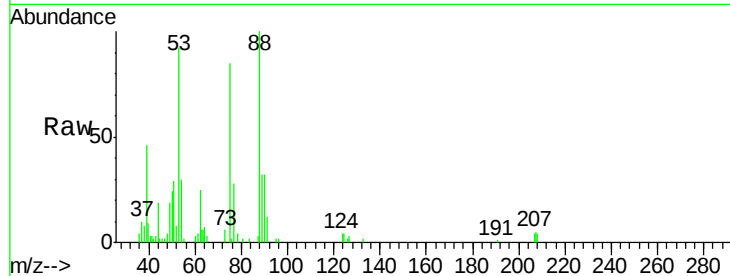
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	75	Resp:	4244
Ion	Ratio	Lower	Upper
75	100		
53	105.1	76.5	114.7
89	44.5	38.1	57.1

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#82

4-Chlorotoluene

Concen: 2.463 ug/l

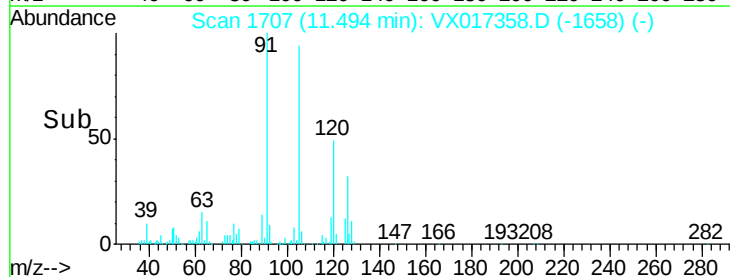
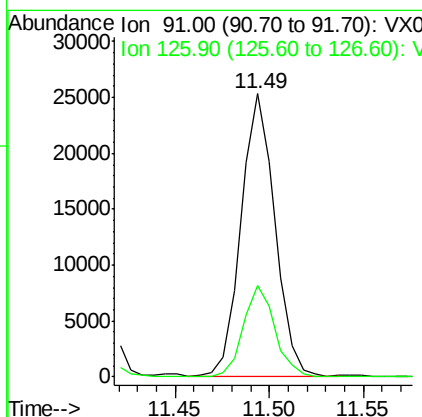
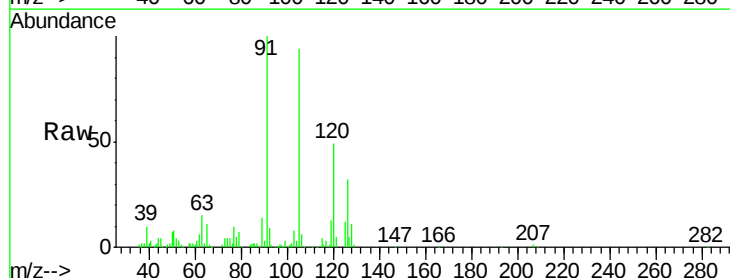
RT: 11.49 min Scan# 1707

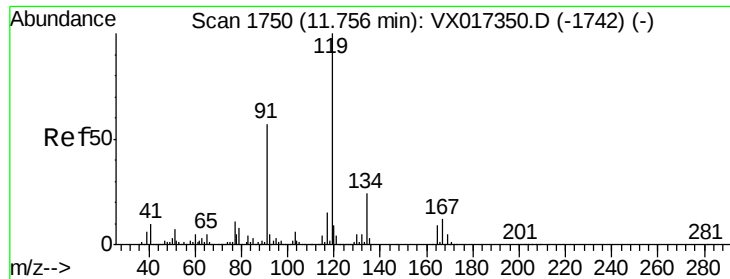
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion:	91	Resp:	31354
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.4	46.2





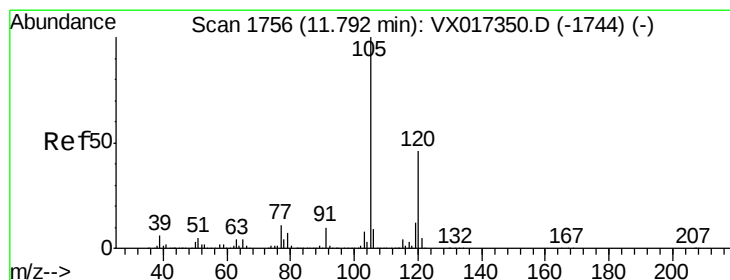
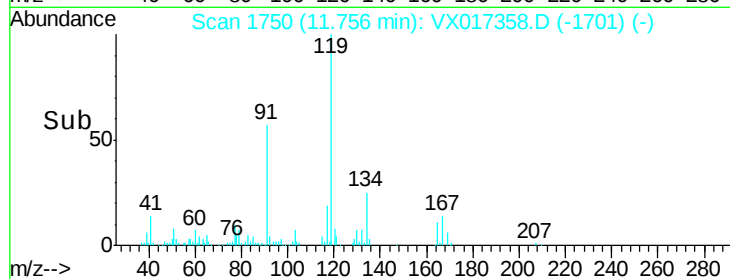
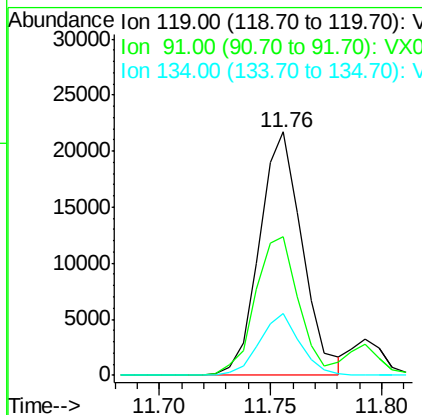
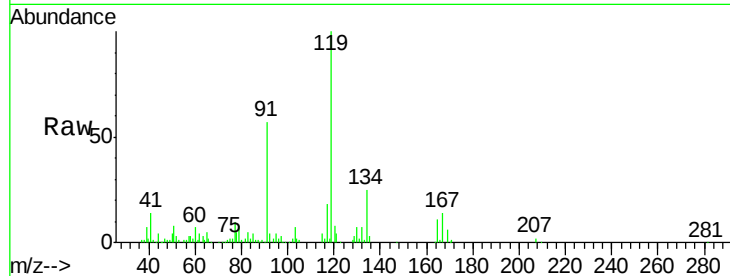
#83
tert-Butylbenzene
Concen: 2.273 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	28942		
91	57.8		28.5	85.6
134	24.2		11.9	35.9

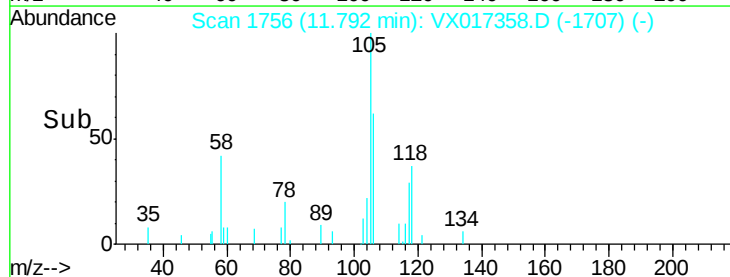
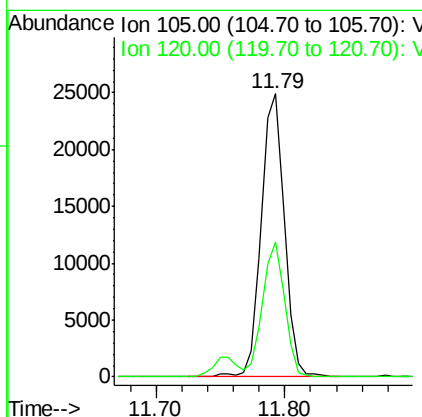
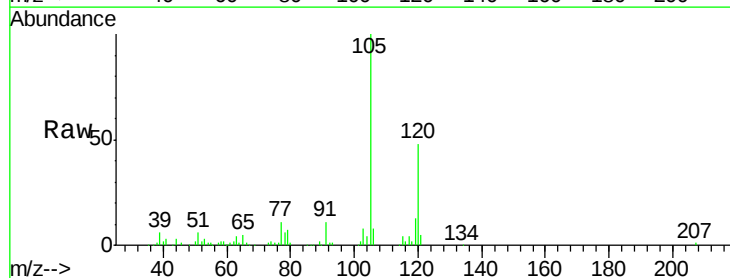
Manual Integrations
APPROVED

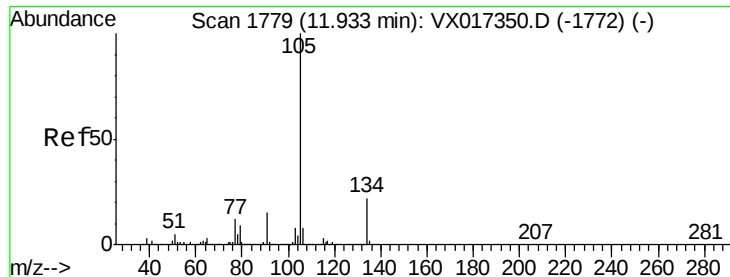
MMDadoda
7/14/2020 11:36:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 2.323 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	30914		
120	45.7		22.8	68.4





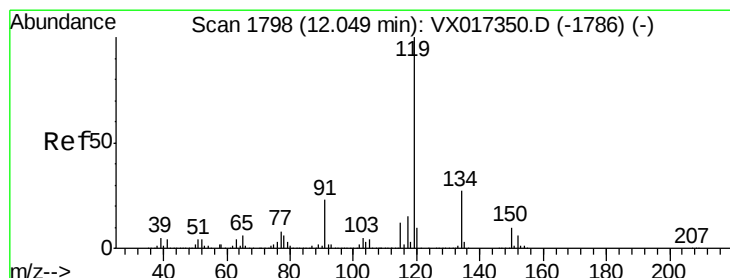
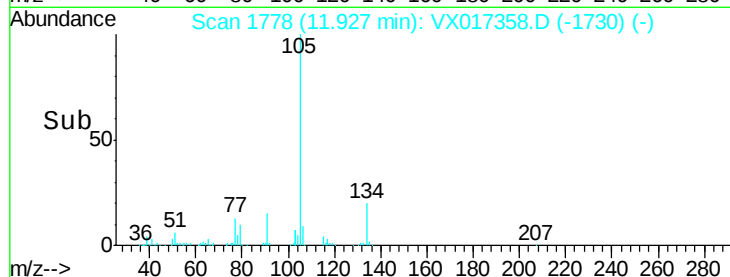
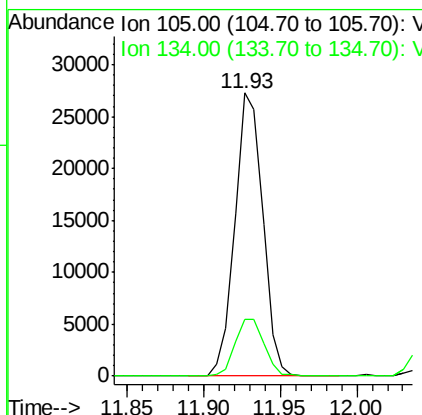
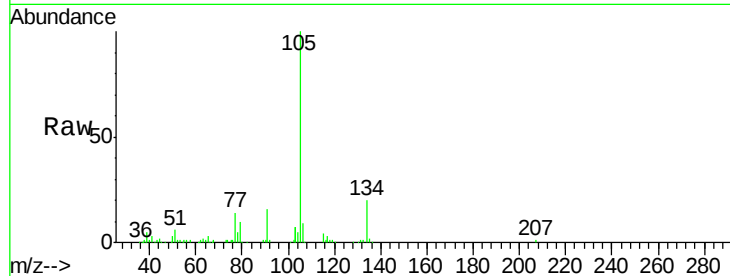
#85
 sec-Butylbenzene
 Concen: 2.310 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

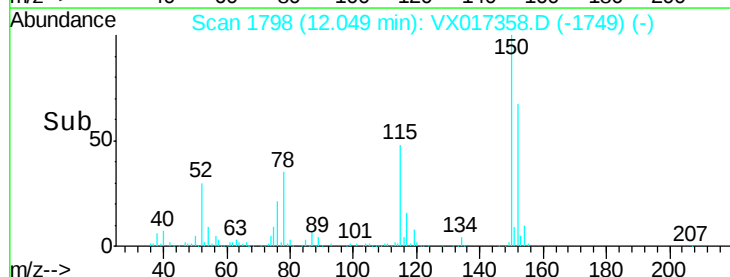
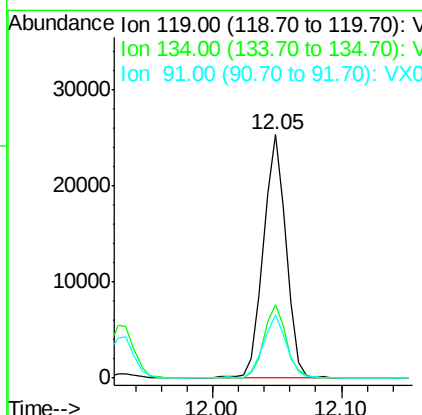
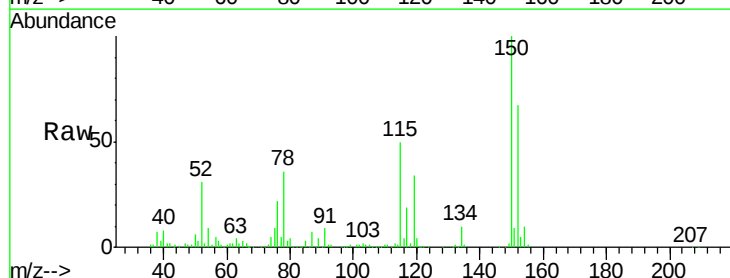
Manual Integrations
 APPROVED

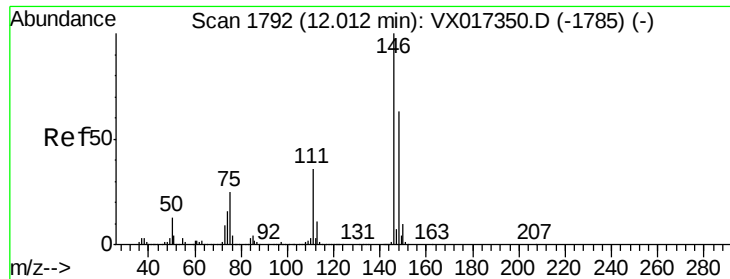
MMDadoda
 7/14/2020 11:36:05 AM



#86
 p-Isopropyltoluene
 Concen: 2.172 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	29.9	13.5	40.5
91	26.9	11.8	35.3





#87

1,3-Dichlorobenzene

Concen: 2.465 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

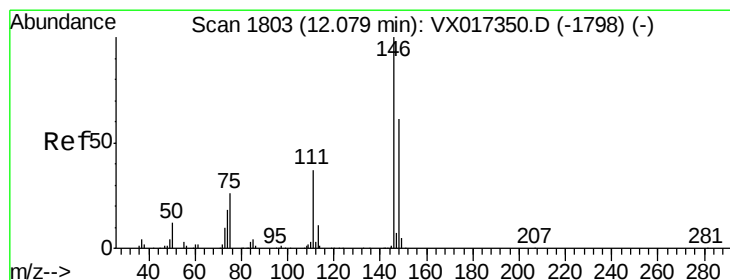
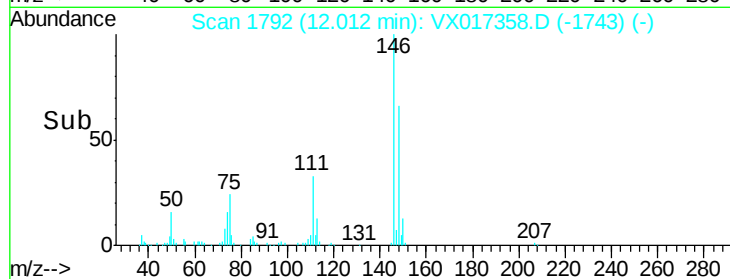
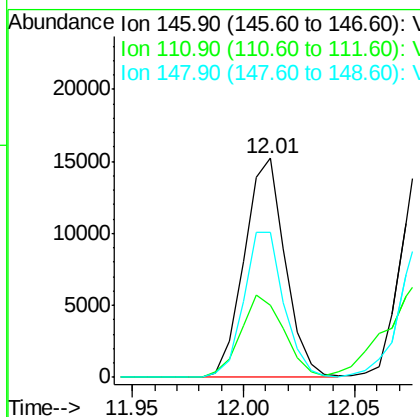
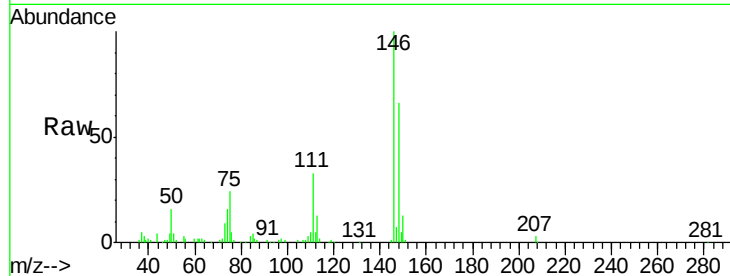
Instrument :
MSVOA_X

ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.2	57.6
148	65.0	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#88

1,4-Dichlorobenzene

Concen: 2.674 ug/l

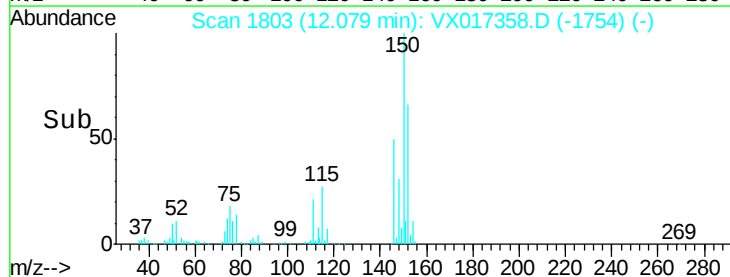
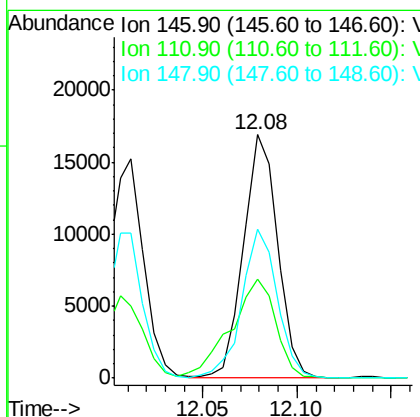
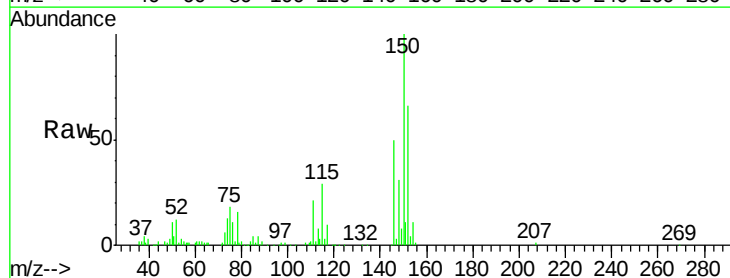
RT: 12.08 min Scan# 1803

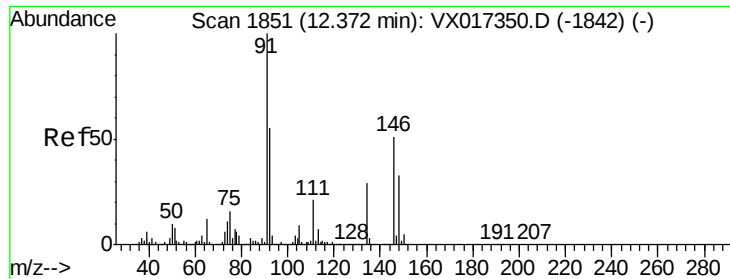
Delta R.T. 0.00 min

Lab File: VX017358.D

Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.6	18.9	56.9
148	63.3	31.9	95.9





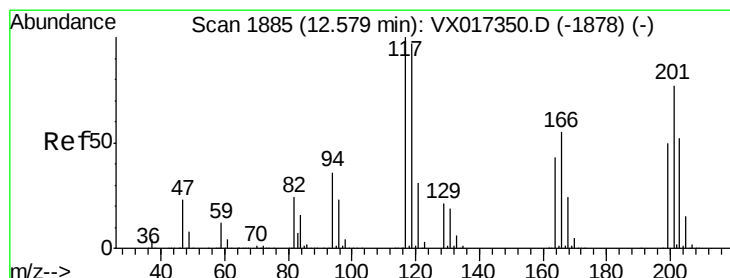
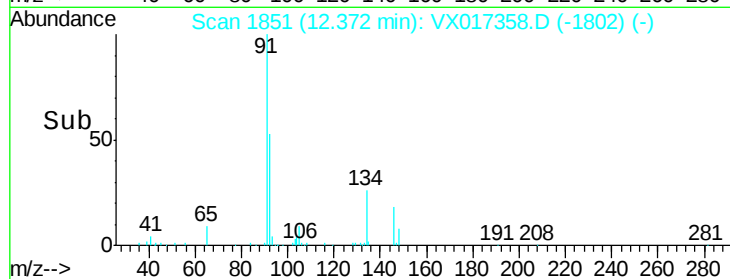
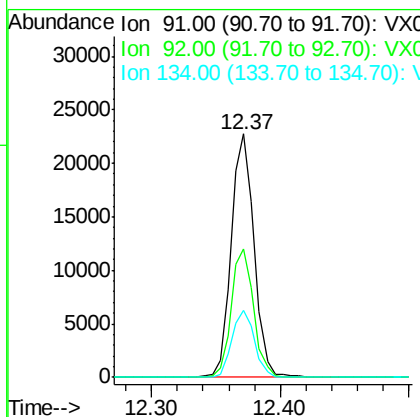
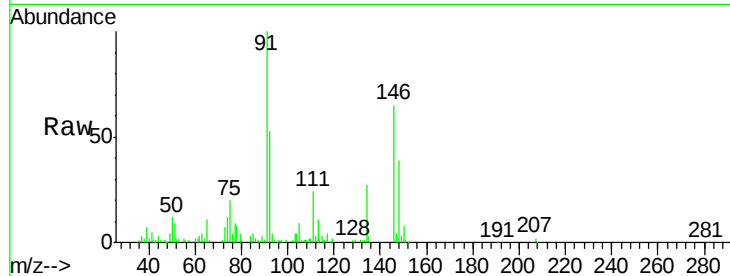
#89
n-Butylbenzene
Concen: 2.345 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		28213		
92	51.4	27.0	81.0		
134	27.0	14.1	42.2		

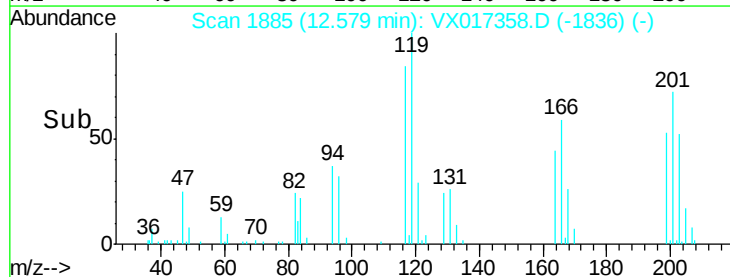
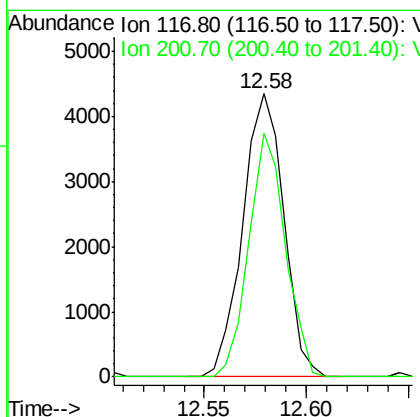
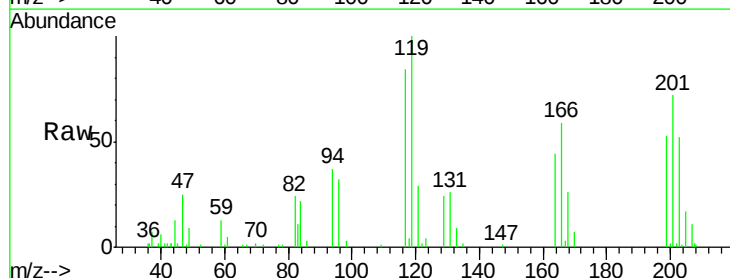
Manual Integrations
APPROVED

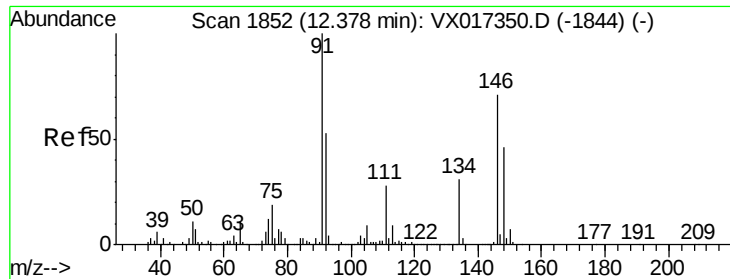
MMDadoda
7/14/2020 11:36:05 AM



#90
Hexachloroethane
Concen: 2.270 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		6081		
201	77.1	41.0	123.0		





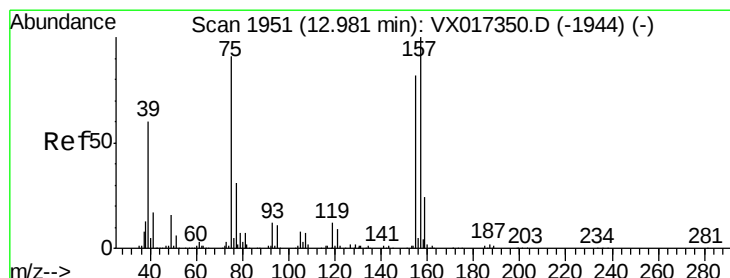
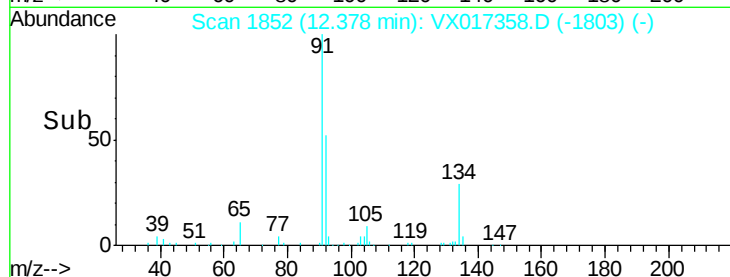
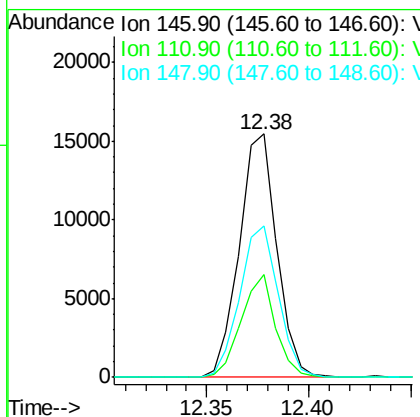
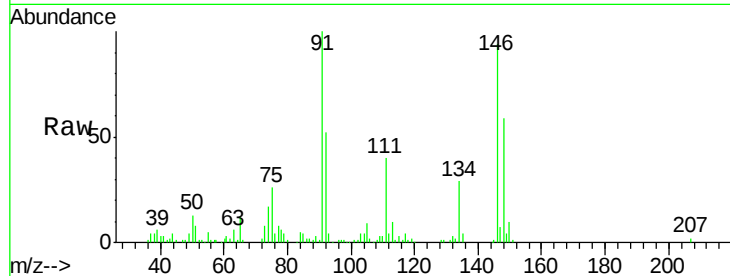
#91
 1,2-Dichlorobenzene
 Concen: 2.665 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.3	61.0
148	63.6	32.0	96.0

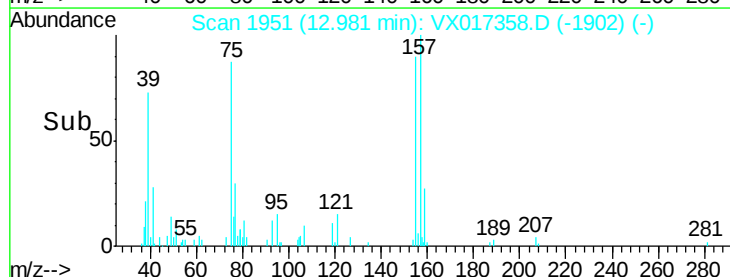
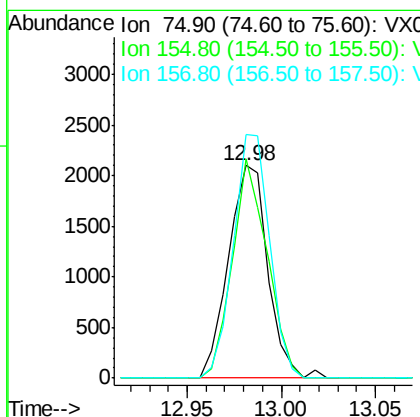
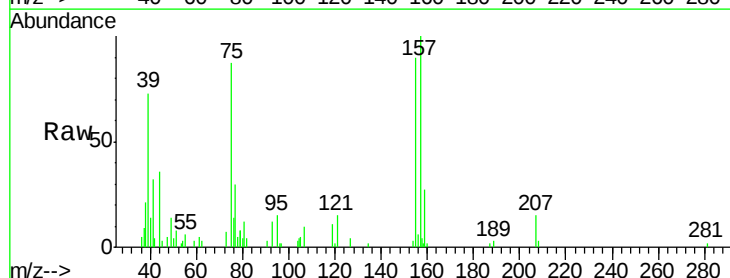
Manual Integrations
 APPROVED

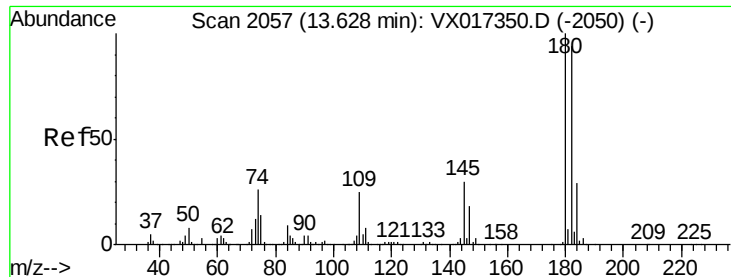
MMDadoda
 7/14/2020 11:36:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.446 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017358.D
 Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	46.5	139.3
157	105.7	58.0	173.9





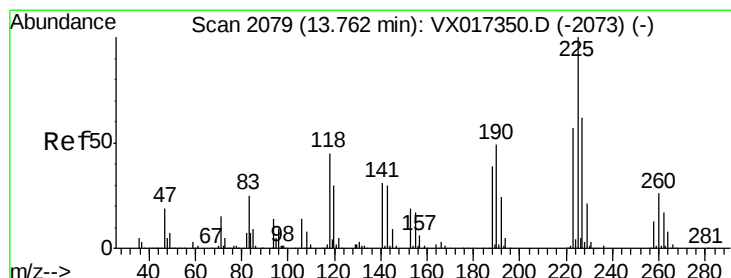
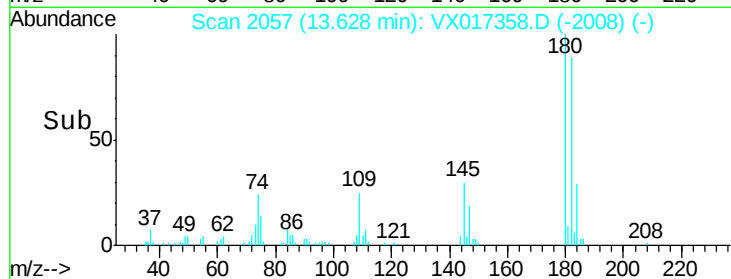
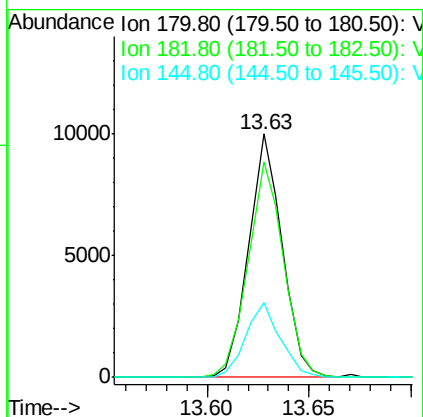
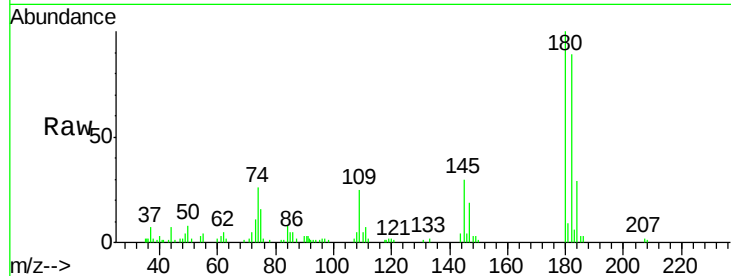
#93
1,2,4-Trichlorobenzene
Concen: 2.215 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.4	145.0
145	31.5	15.3	45.8

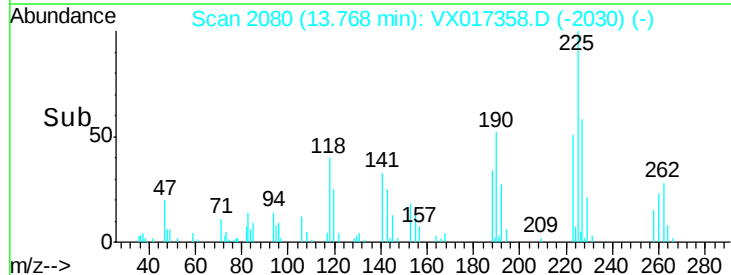
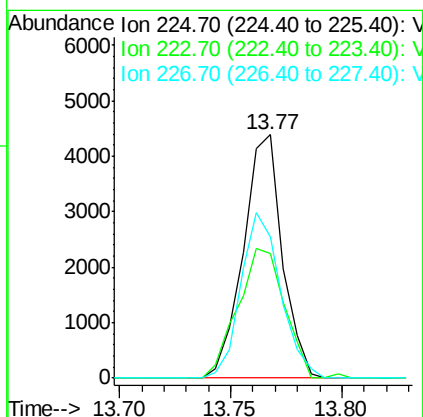
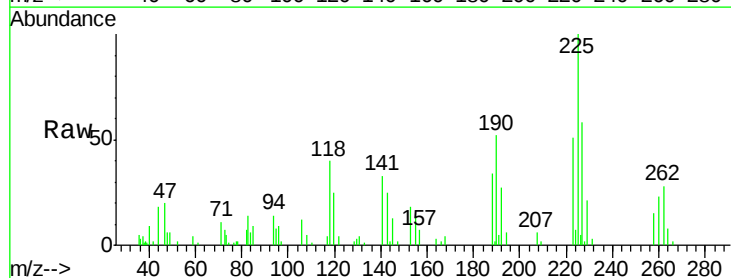
Manual Integrations
APPROVED

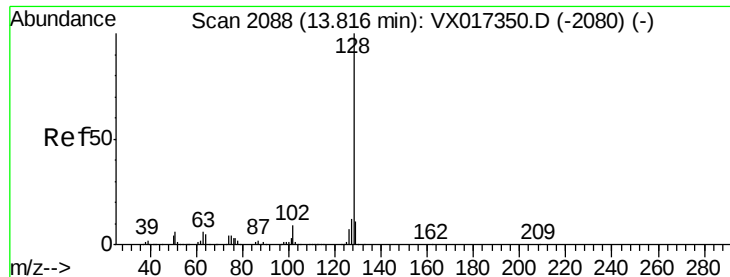
MMDadoda
7/14/2020 11:36:05 AM



#94
Hexachlorobutadiene
Concen: 2.554 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	68.9	31.6	95.0





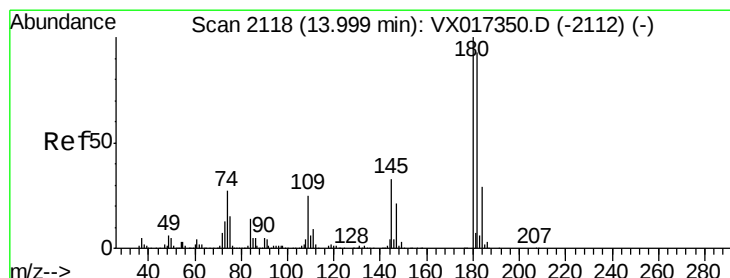
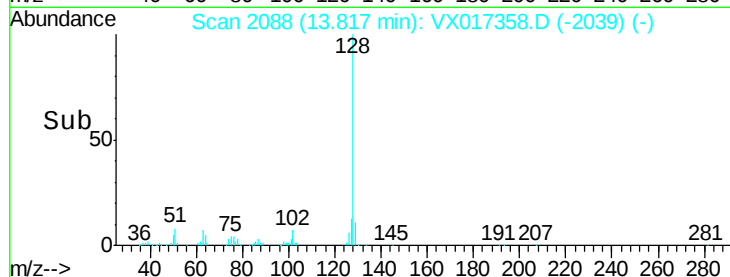
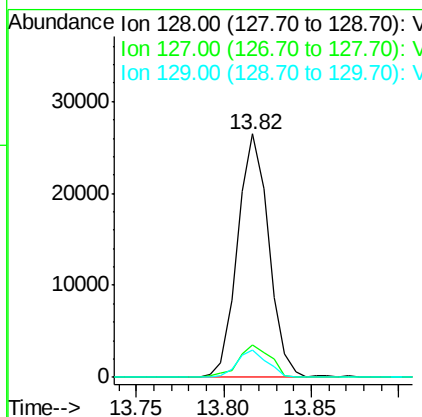
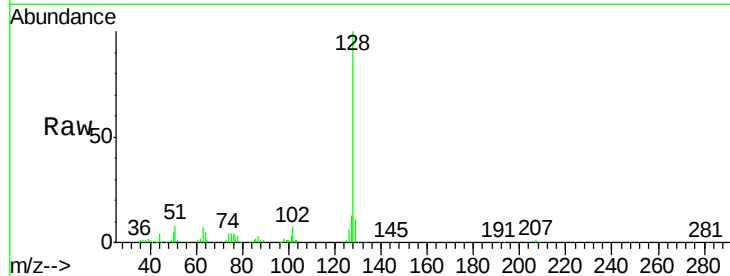
#95
Naphthalene
Concen: 2.162 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 2.204 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017358.D
Acq: 13 Jul 2020 17:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	48.8	146.3
145	34.0	16.6	49.7

