

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\
 Data File : VX019020.D
 Acq On : 22 Oct 2020 12:38
 Operator : JC/SP
 Sample : L4214-08 1.0PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 12:05:12 PM

Quant Time: Oct 23 10:27:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 09:59:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	236774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	395932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	359771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	136119	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	5.46	113	115942	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
50) Toluene-d8	8.70	98	445386	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
62) 4-Bromofluorobenzene	11.12	95	156631	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	1704	0.723	ug/l	85
3) Chloromethane	1.31	50	2075	0.885	ug/l	93
4) Vinyl Chloride	1.39	62	2291	0.828	ug/l	96
6) Chloroethane	1.72	64	1680	0.972	ug/l	96
7) Trichlorofluoromethane	1.92	101	3833	0.820	ug/l	97
8) Diethyl Ether	2.17	74	1683	0.919	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1962	0.886	ug/l	100
12) 1,1-Dichloroethene	2.36	96	1861	0.808	ug/l #	92
14) Allyl chloride	2.71	41	2382	0.799	ug/l #	85
15) Acrylonitrile	3.12	53	4779	4.302	ug/l	97
16) Acetone	2.43	43	4934	5.107	ug/l	94
17) Carbon Disulfide	2.55	76	5712	0.859	ug/l	97
18) Methyl Acetate	2.75	43	1907	0.796	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	6321	0.866	ug/l #	85
20) Methylene Chloride	2.84	84	2810	1.045	ug/l #	96
21) trans-1,2-Dichloroethene	3.15	96	2453	0.912	ug/l #	78
22) Diisopropyl ether	3.83	45	5228	0.889	ug/l	91
23) Vinyl Acetate	3.78	43	23181	4.153	ug/l	97
24) 1,1-Dichloroethane	3.67	63	3480	0.813	ug/l	98
25) 2-Butanone	4.65	43	7424	4.864	ug/l	96
26) 2,2-Dichloropropane	4.55	77	3225	0.816	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	2692	0.882	ug/l	94
28) Bromochloromethane	4.98	49	1587	0.873	ug/l #	95
29) Tetrahydrofuran	5.11	42	4078	4.470	ug/l	96
30) Chloroform	5.18	83	4088	0.879	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	3483	0.826	ug/l #	46
36) 1,1-Dichloropropene	5.77	75	3051	0.859	ug/l	97
37) Ethyl Acetate	4.80	43	2992	0.987	ug/l #	86
38) Carbon Tetrachloride	5.76	117	3179	0.853	ug/l	89
39) Methylcyclohexane	7.45	83	3094	0.777	ug/l	92
40) Benzene	6.11	78	8803	0.841	ug/l	92
41) Methacrylonitrile	5.01	41	1694	1.040	ug/l #	41
42) 1,2-Dichloroethane	6.16	62	3297	0.923	ug/l	99
43) Isopropyl Acetate	6.41	43	5196	1.012	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\
 Data File : VX019020.D
 Acq On : 22 Oct 2020 12:38
 Operator : JC/SP
 Sample : L4214-08 1.0PPB LOQ
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 12:05:12 PM

Quant Time: Oct 23 10:27:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 09:59:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	7.19	130	2537	0.831	ug/l	96
45) 1,2-Dichloropropane	7.49	63	2250	0.896	ug/l	97
46) Dibromomethane	7.64	93	1656	0.866	ug/l	95
47) Bromodichloromethane	7.88	83	3023	0.807	ug/l	93
48) Methyl methacrylate	7.74	41	1695	0.670	ug/l #	75
49) 1,4-Dioxane	7.75	88	913	15.969	ug/l #	59
51) 4-Methyl-2-Pentanone	8.62	43	12433	4.109	ug/l	99
52) Toluene	8.76	92	5693	0.824	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	3369	0.796	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	3499	0.783	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	2348	0.833	ug/l	91
56) Ethyl methacrylate	9.16	69	3163	0.780	ug/l #	86
57) 1,3-Dichloropropane	9.35	76	3709	0.829	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	8517	4.000	ug/l	97
59) 2-Hexanone	9.48	43	9060	4.018	ug/l	98
60) Dibromochloromethane	9.56	129	2291	0.746	ug/l	98
61) 1,2-Dibromoethane	9.65	107	2429	0.806	ug/l	98
64) Tetrachloroethene	9.32	164	2727	0.996	ug/l #	81
65) Chlorobenzene	10.12	112	6492	0.860	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.20	131	2046	0.763	ug/l #	61
67) Ethyl Benzene	10.24	91	11109	0.854	ug/l	96
68) m/p-Xylenes	10.34	106	7883	1.582	ug/l	98
69) o-Xylene	10.68	106	3883	0.814	ug/l	98
70) Styrene	10.70	104	6053	0.748	ug/l	98
71) Bromoform	10.84	173	1571	0.725	ug/l #	93
73) Isopropylbenzene	11.00	105	10430	0.829	ug/l	98
74) N-amyl acetate	10.88	43	3594	0.892	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.25	83	3354	0.885	ug/l	95
76) 1,2,3-Trichloropropane	11.27	75	3160m	0.904	ug/l	
77) Bromobenzene	11.24	156	2594	0.817	ug/l	95
78) n-propylbenzene	11.34	91	11873	0.833	ug/l	99
79) 2-Chlorotoluene	11.40	91	7142	0.859	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	8247	0.794	ug/l	99
82) 4-Chlorotoluene	11.49	91	8514	0.860	ug/l	100
83) tert-Butylbenzene	11.76	119	8508	0.831	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	8206	0.789	ug/l	100
85) sec-Butylbenzene	11.93	105	9761	0.788	ug/l	98
86) p-Isopropyltoluene	12.05	119	9062	0.801	ug/l	93
87) 1,3-Dichlorobenzene	12.01	146	5205	0.893	ug/l	95
88) 1,4-Dichlorobenzene	12.08	146	5329m	0.891	ug/l	
89) n-Butylbenzene	12.37	91	8156	0.787	ug/l	99
90) Hexachloroethane	12.58	117	1244	0.718	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	4677	0.861	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.98	75	654	0.758	ug/l	93
93) 1,2,4-Trichlorobenzene	13.63	180	3164	0.796	ug/l	99
94) Hexachlorobutadiene	13.76	225	1500	0.814	ug/l	99
95) Naphthalene	13.82	128	9227	0.738	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	2914	0.753	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
Data File : VX019020.D
Acq On : 22 Oct 2020 12:38
Operator : JC/SP
Sample : L4214-08 1.0PPB L00
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

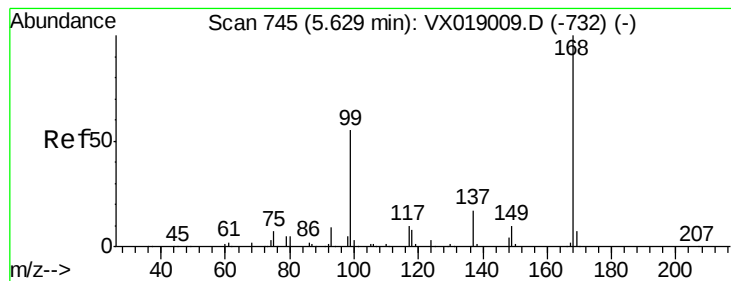
Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM

Quant Time: Oct 23 10:27:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 23 09:59:01 2020
Response via : Initial Calibration

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:168 Resp: 236774

Ion Ratio Lower Upper

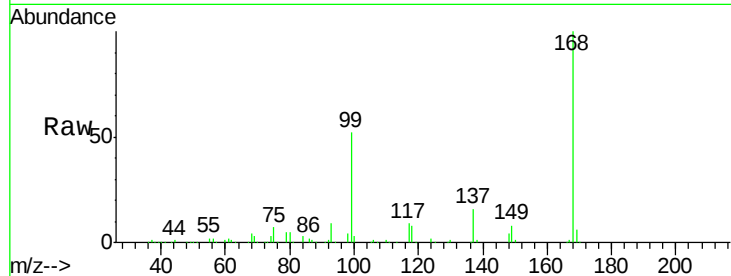
168 100

99 52.4 44.2 66.2

Manual Integrations
APPROVED

MMDadoda

10/23/2020 12:05:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

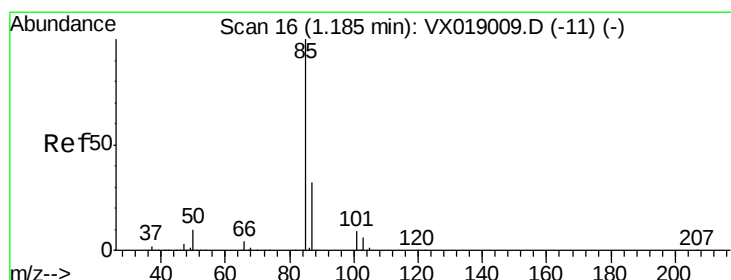
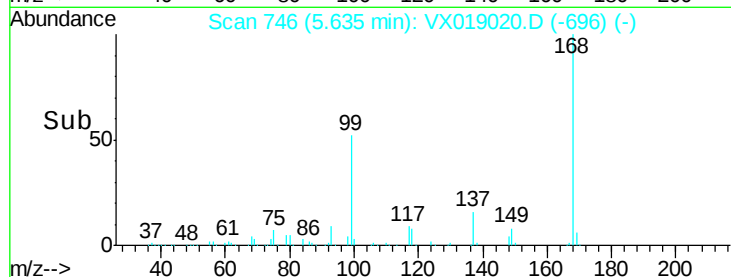
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.723 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019020.D

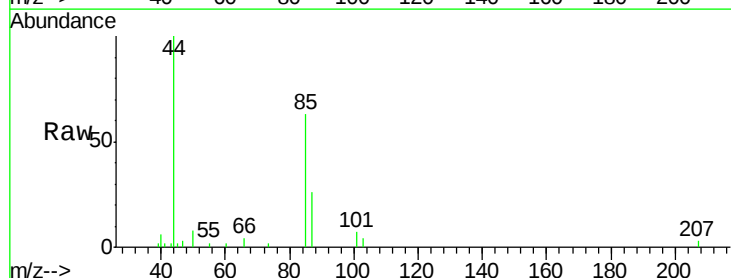
Acq: 22 Oct 2020 12:38

Tgt Ion: 85 Resp: 1704

Ion Ratio Lower Upper

85 100

87 40.7 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

2000

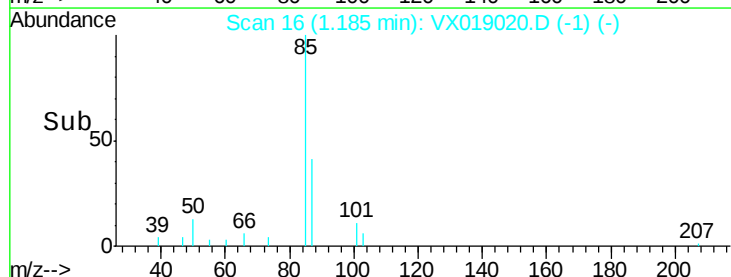
1500

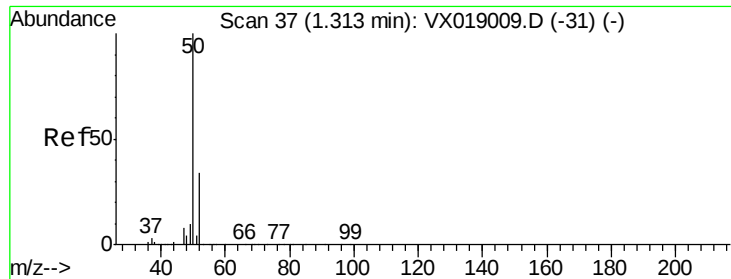
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.885 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 50 Resp: 2075

Ion Ratio Lower Upper

50 100

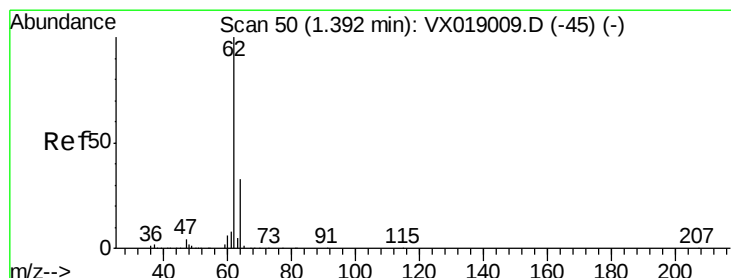
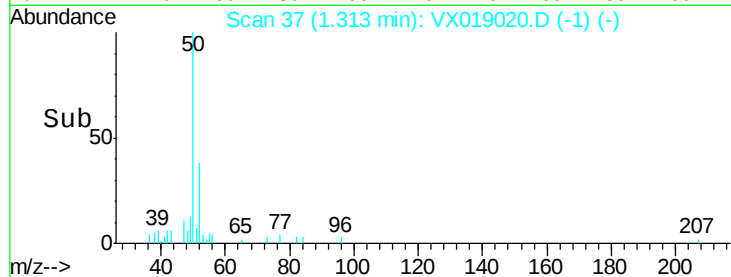
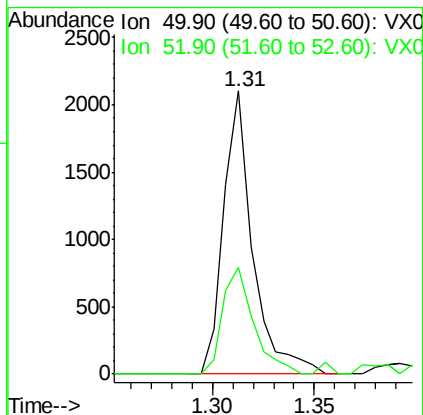
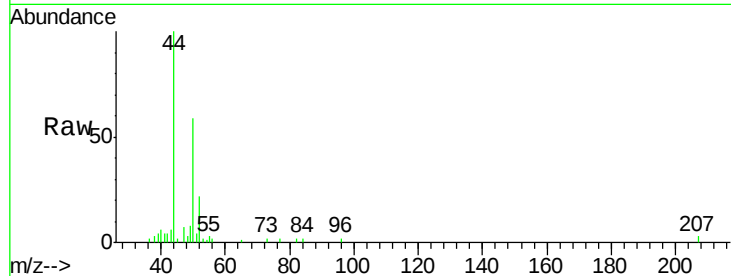
52 37.6 27.0 40.6

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#4

Vinyl Chloride

Concen: 0.828 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019020.D

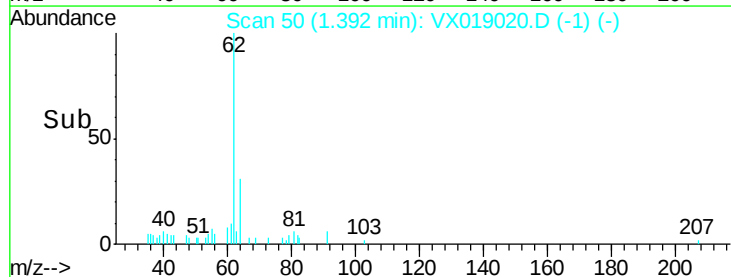
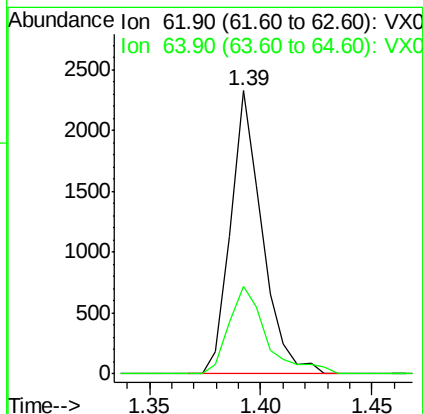
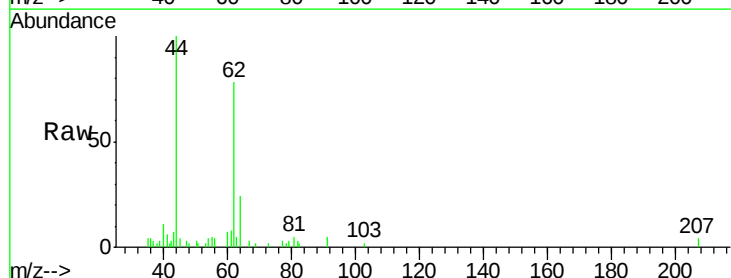
Acq: 22 Oct 2020 12:38

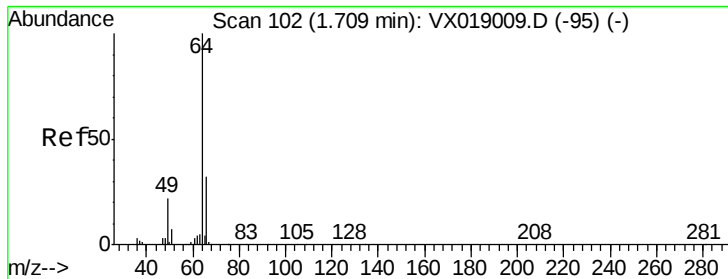
Tgt Ion: 62 Resp: 2291

Ion Ratio Lower Upper

62 100

64 31.1 26.5 39.7





#6

Chloroethane

Concen: 0.972 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 64 Resp: 1680

Ion Ratio Lower Upper

64 100

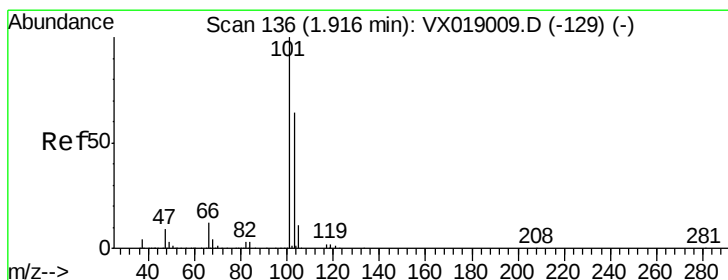
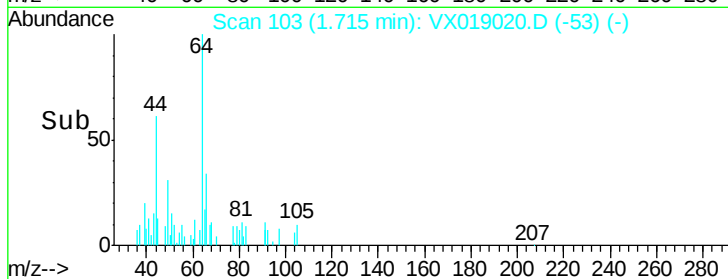
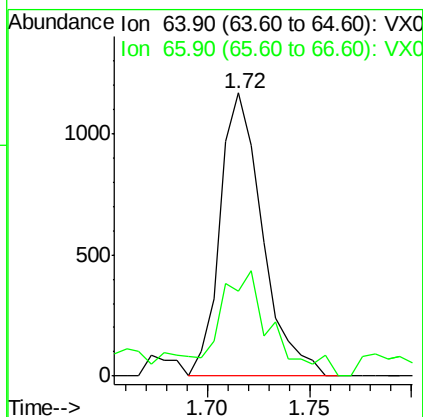
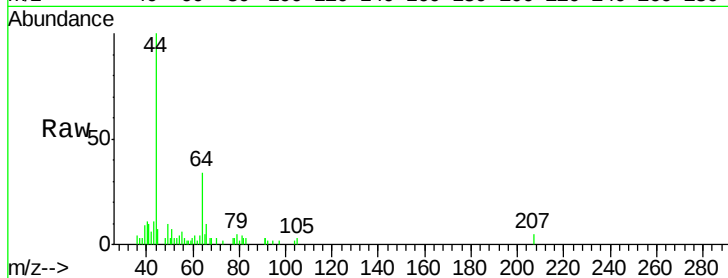
66 30.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#7

Trichlorofluoromethane

Concen: 0.820 ug/l

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX019020.D

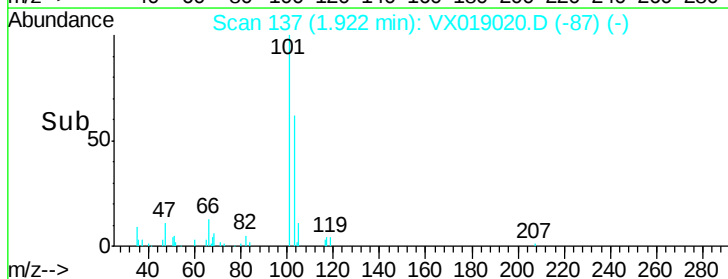
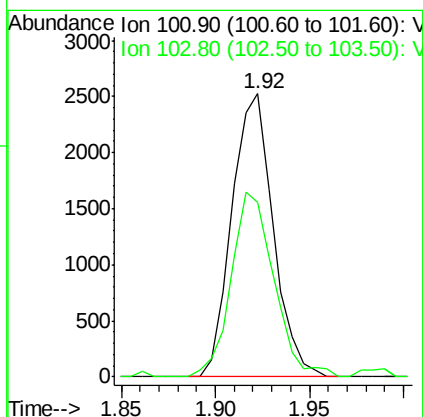
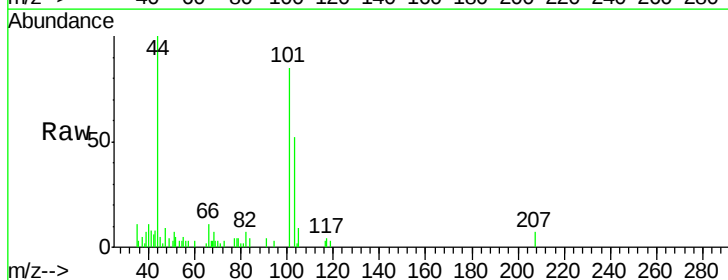
Acq: 22 Oct 2020 12:38

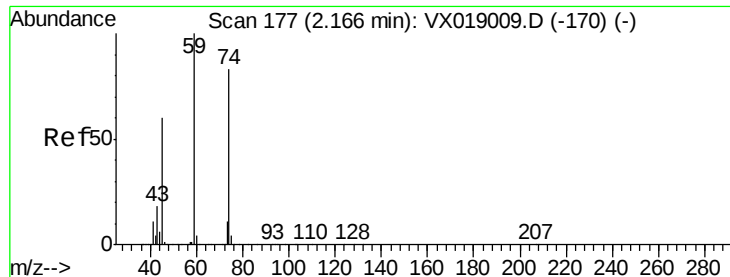
Tgt Ion: 101 Resp: 3833

Ion Ratio Lower Upper

101 100

103 61.6 51.2 76.8





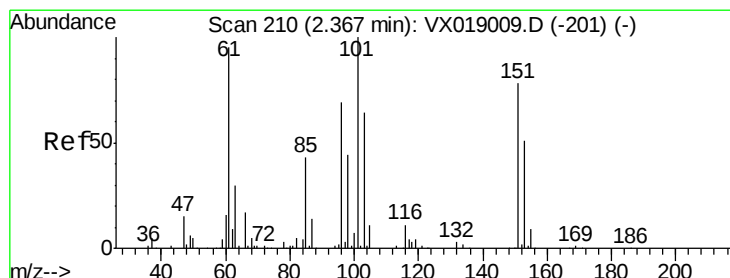
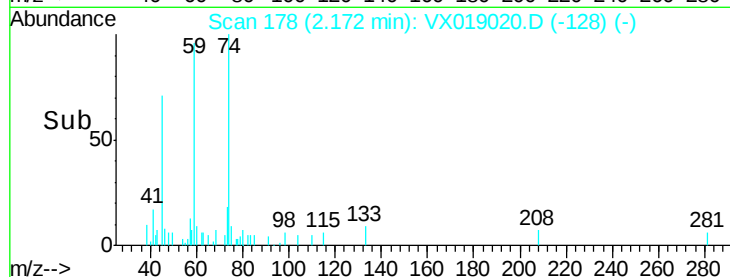
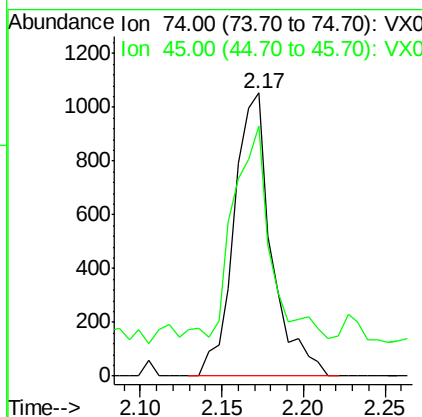
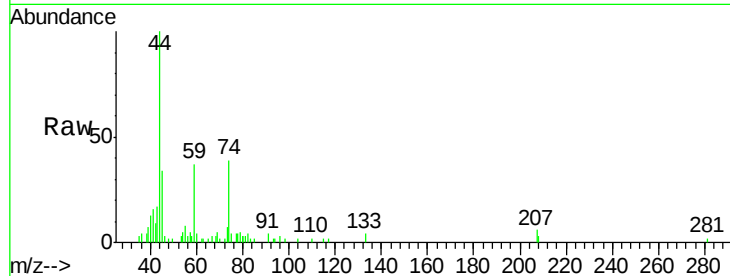
#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 74 Resp: 1683
Ion Ratio Lower Upper
74 100
45 79.3 36.8 110.4

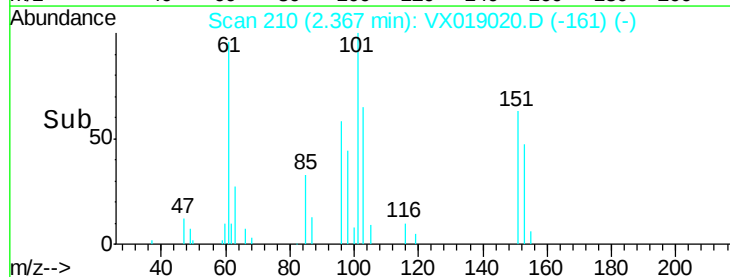
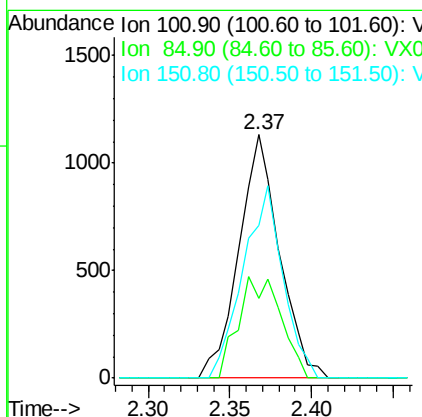
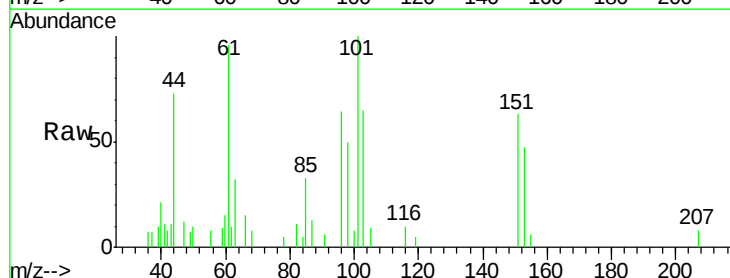
Manual Integrations
APPROVED

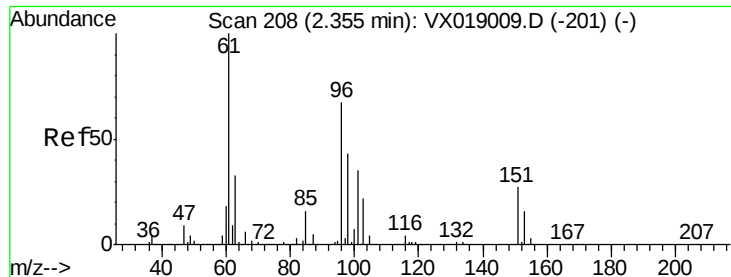
MMDadoda
10/23/2020 12:05:12 PM



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.886 ug/l
RT: 2.37 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion: 101 Resp: 1962
Ion Ratio Lower Upper
101 100
85 43.5 35.2 52.8
151 77.8 62.4 93.6





#12

1,1-Dichloroethene

Concen: 0.808 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

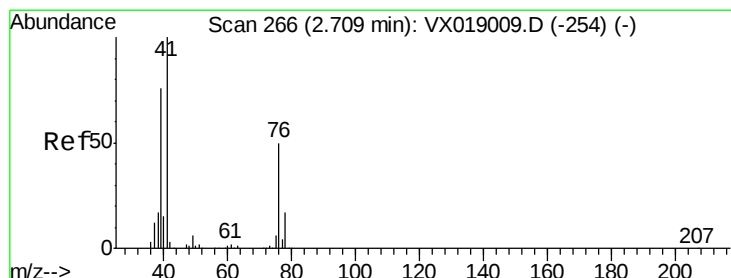
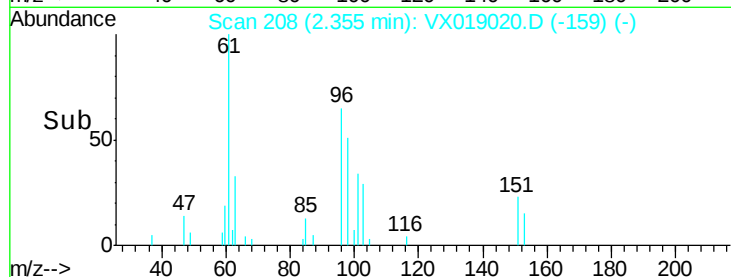
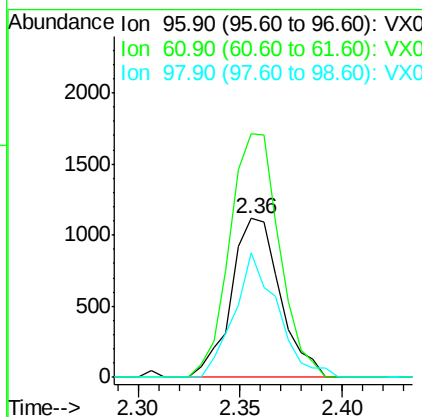
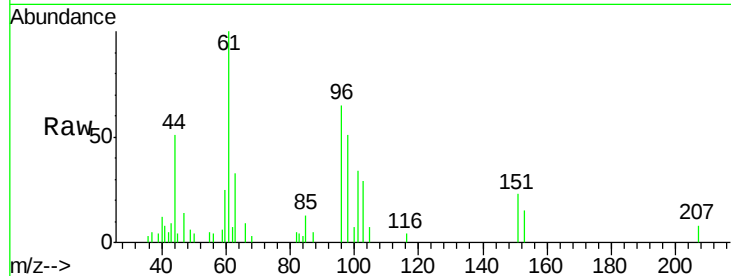
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	96	Resp:	1861
Ion	Ratio	Lower	Upper
96	100		
61	153.4	119.0	178.6
98	78.7	51.0	76.4#

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#14

Allyl chloride

Concen: 0.799 ug/l

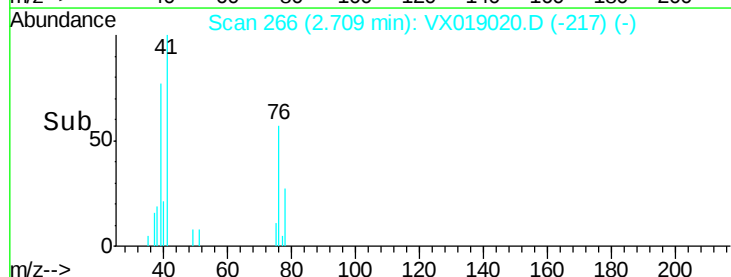
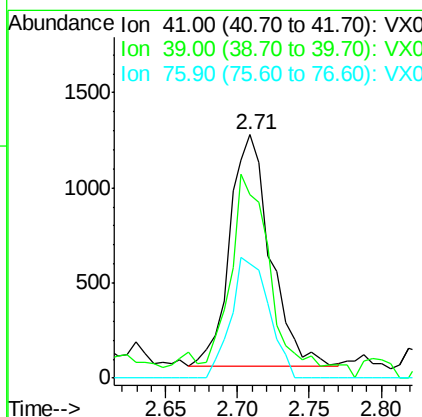
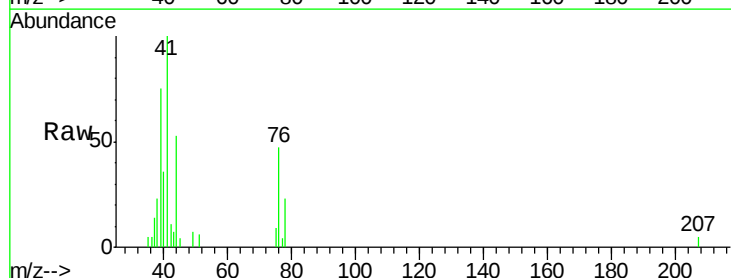
RT: 2.71 min Scan# 266

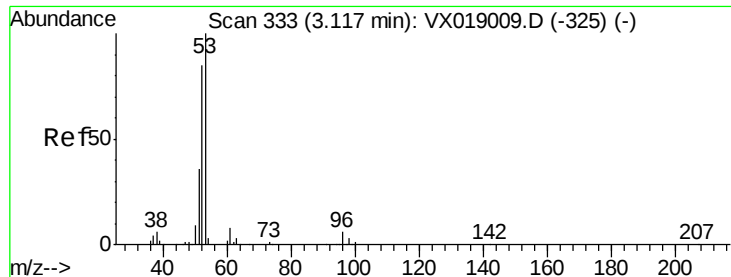
Delta R.T. -0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	41	Resp:	2382
Ion	Ratio	Lower	Upper
41	100		
39	91.6	57.4	86.0#
76	48.6	37.7	56.5





#15

Acrylonitrile

Concen: 4.302 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

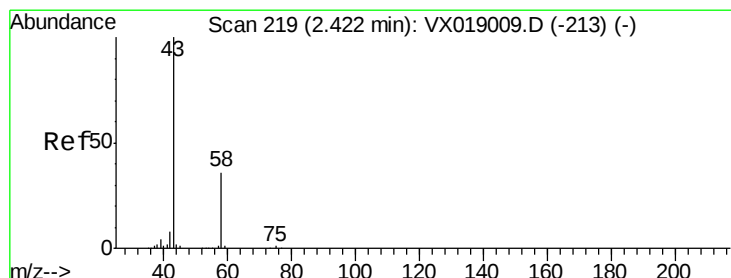
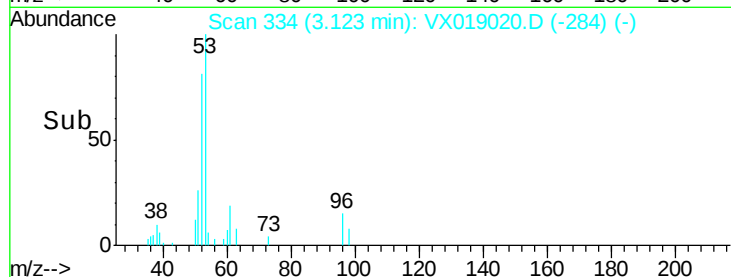
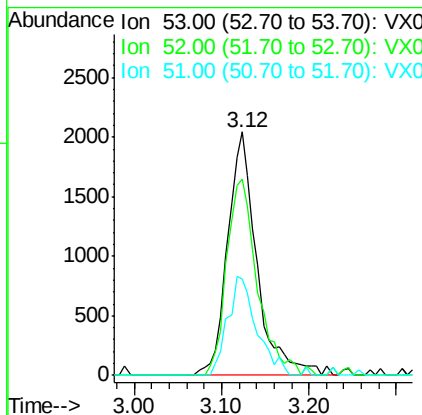
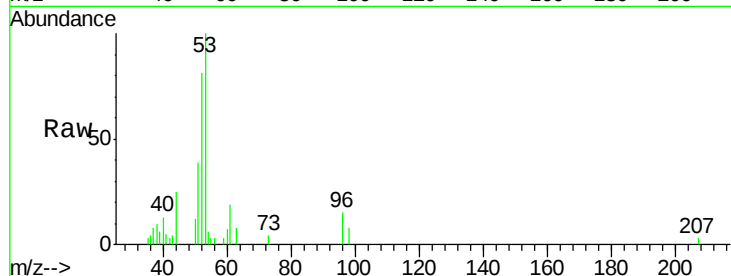
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	53	Resp:	4779
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.9	98.9
51	40.1	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#16

Acetone

Concen: 5.107 ug/l

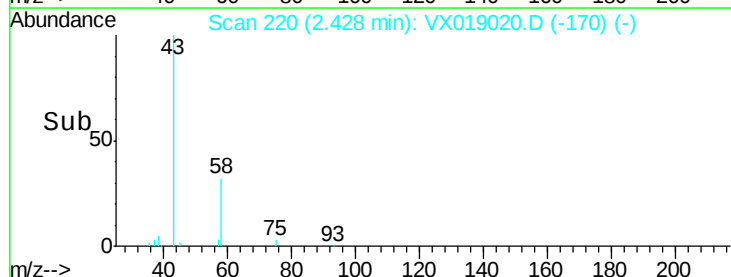
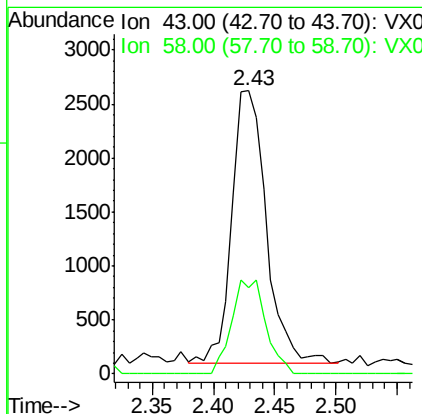
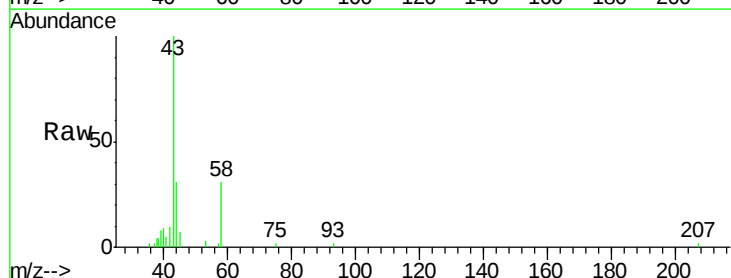
RT: 2.43 min Scan# 220

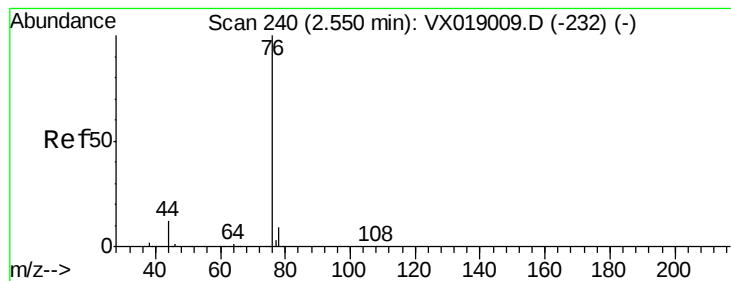
Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	43	Resp:	4934
Ion	Ratio	Lower	Upper
43	100		
58	32.0	28.6	42.8





#17

Carbon Disulfide

Concen: 0.859 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 76 Resp: 5712

Ion Ratio Lower Upper

76 100

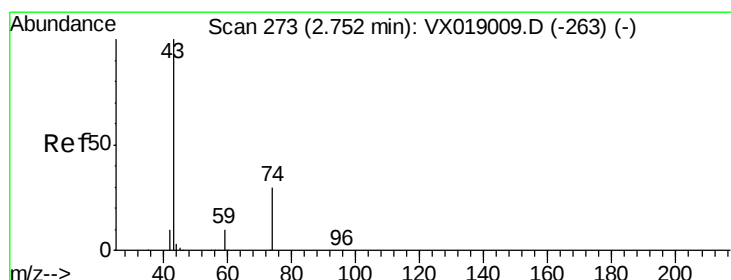
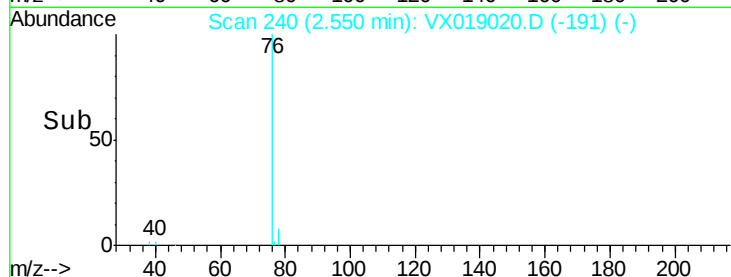
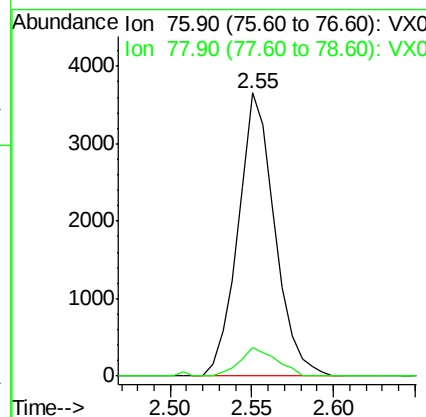
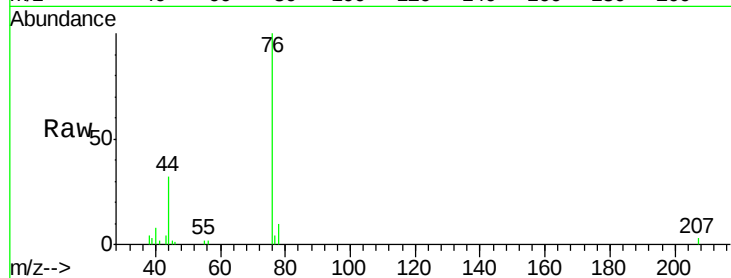
78 9.9 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#18

Methyl Acetate

Concen: 0.796 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019020.D

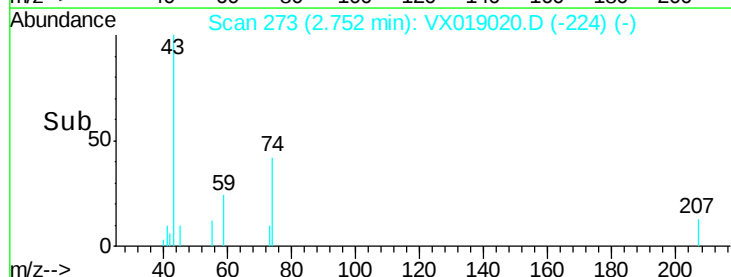
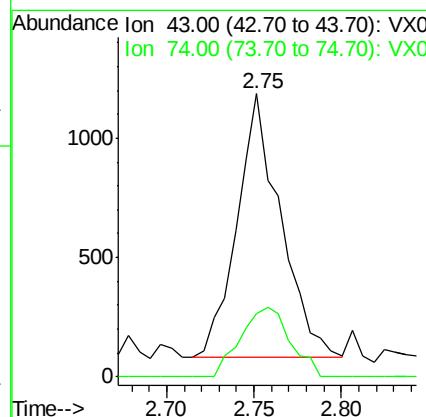
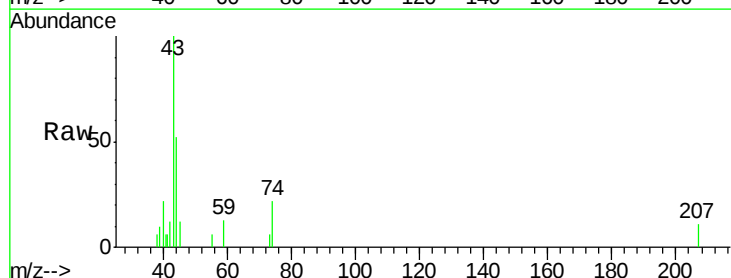
Acq: 22 Oct 2020 12:38

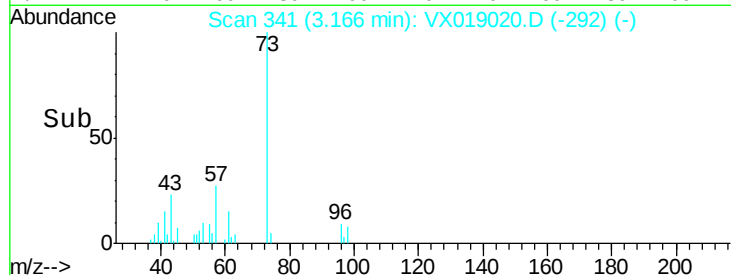
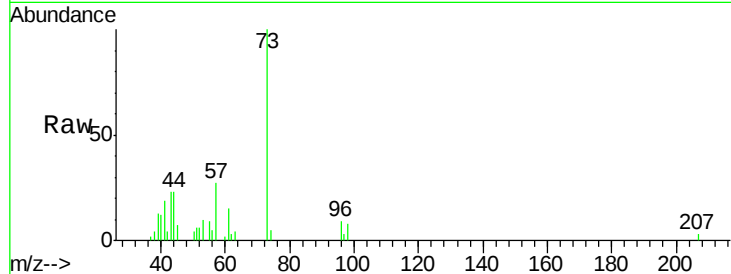
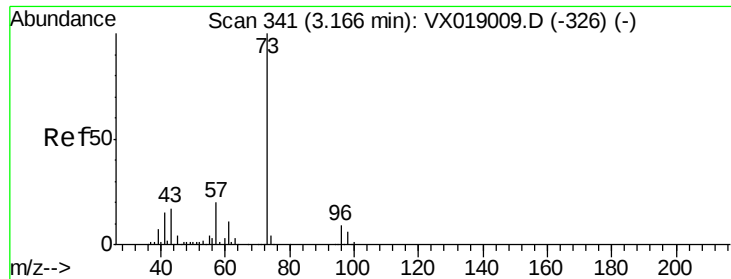
Tgt Ion: 43 Resp: 1907

Ion Ratio Lower Upper

43 100

74 29.9 24.9 37.3





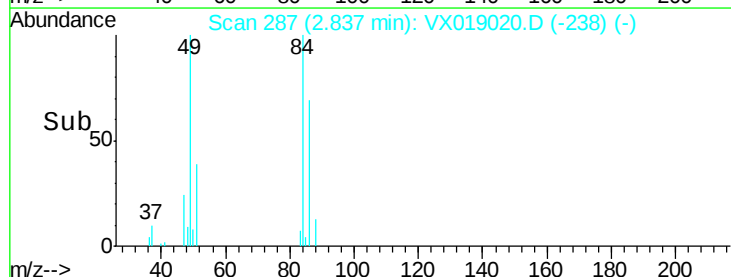
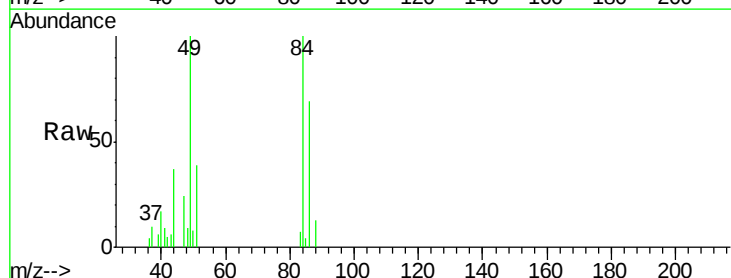
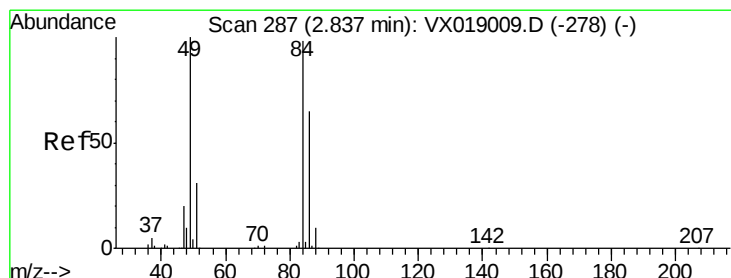
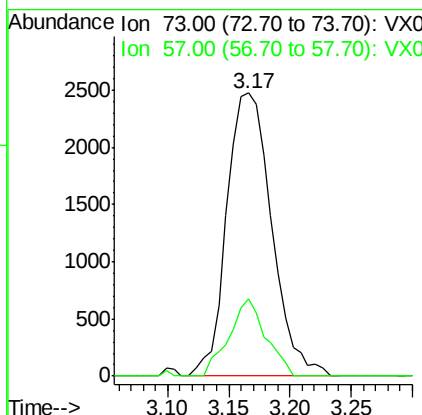
#19
Methyl tert-butyl Ether
Concen: 0.866 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tot Ion: 73 Resp: 6321
Ion Ratio Lower Upper
73 100
57 27.1 16.2 24.2#

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

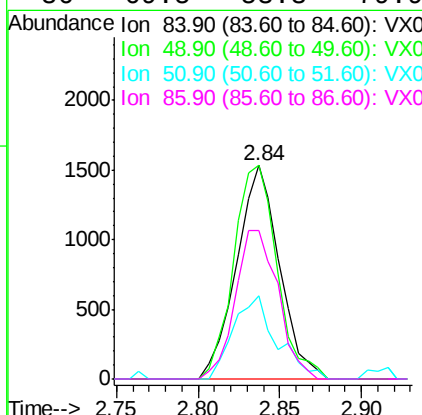
Manual Integrations
APPROVED

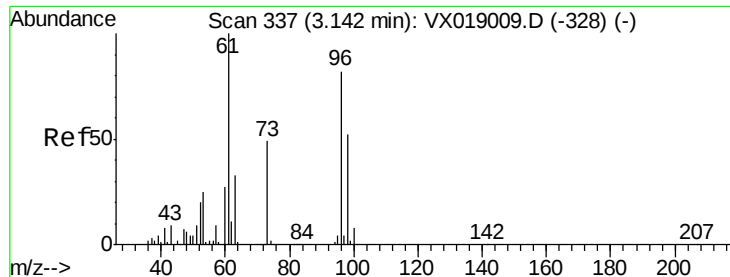
MMDadoda
10/23/2020 12:05:12 PM



#20
Methylene Chloride
Concen: 1.045 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion: 84 Resp: 2810
Ion Ratio Lower Upper
84 100
49 100.0 81.6 122.4
51 38.8 25.6 38.4#
86 69.5 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 0.912 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

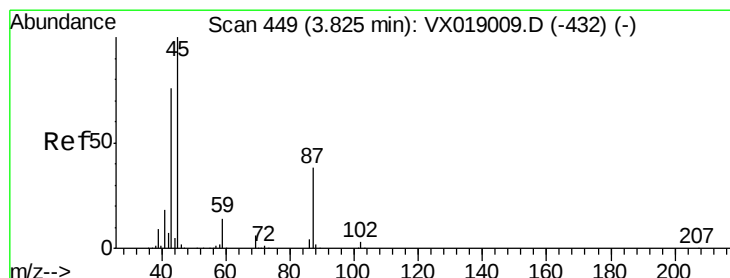
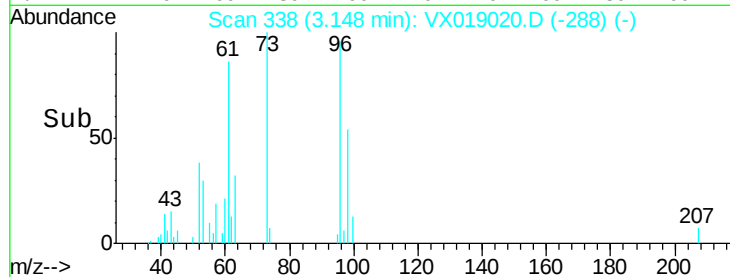
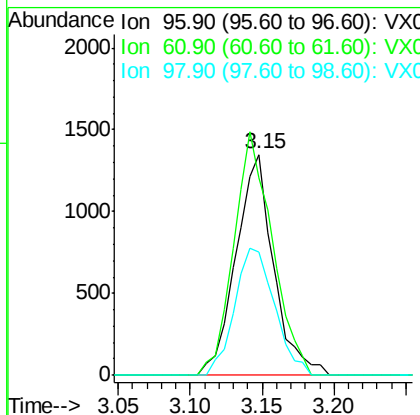
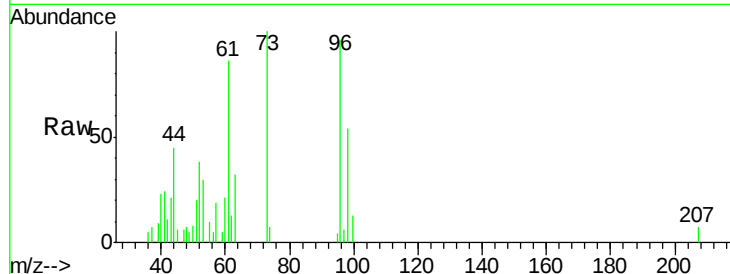
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	96	Resp:	2453
Ion	Ratio	Lower	Upper
96	100		
61	89.5	97.8	146.6#
98	55.8	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#22

Diisopropyl ether

Concen: 0.889 ug/l

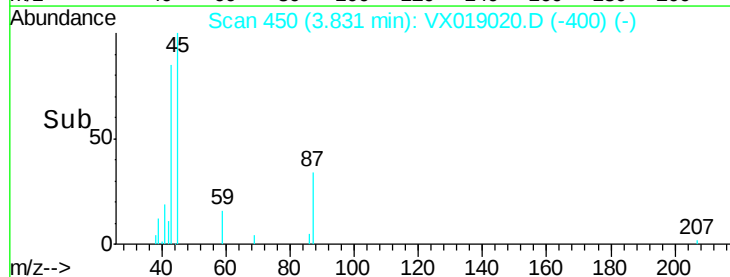
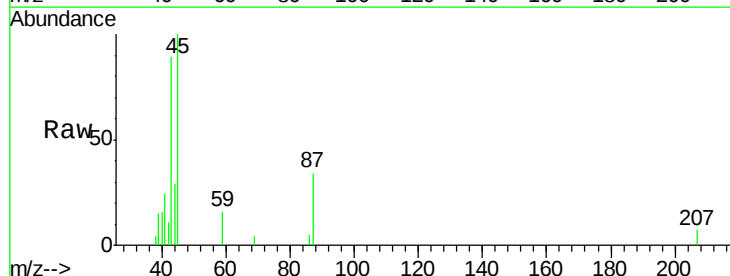
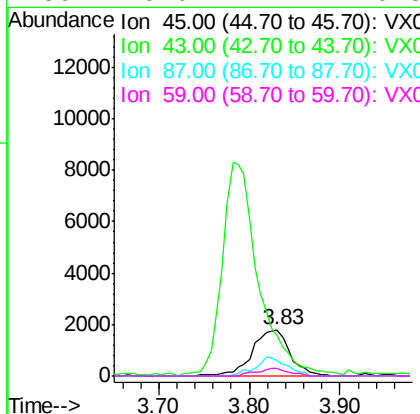
RT: 3.83 min Scan# 450

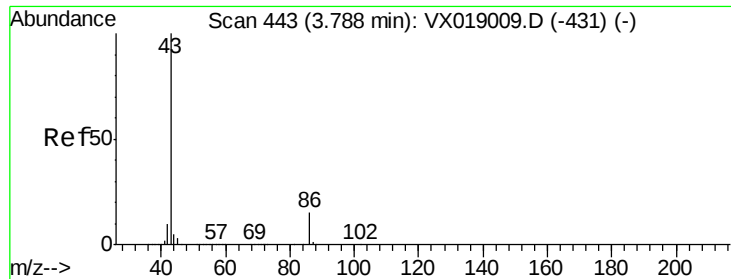
Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	45	Resp:	5228
Ion	Ratio	Lower	Upper
45	100		
43	84.5	60.4	90.6
87	34.0	30.4	45.6
59	16.0	11.2	16.8





#23

Vinyl Acetate

Concen: 4.153 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 23181

Ion Ratio Lower Upper

43 100

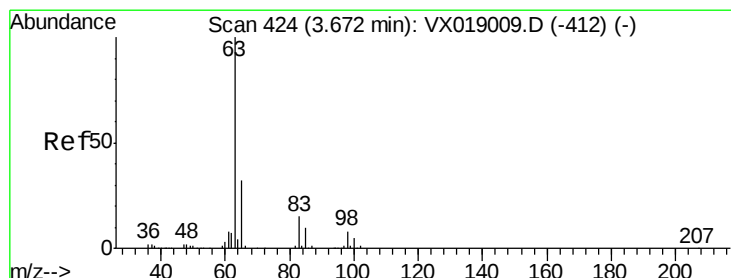
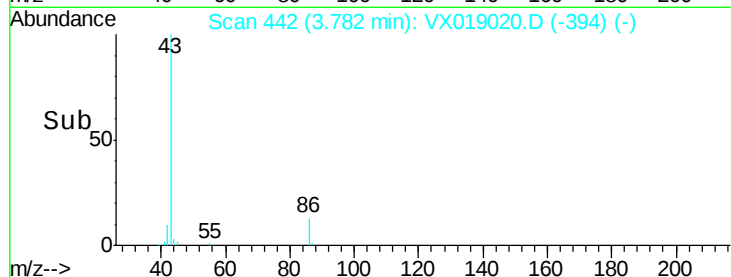
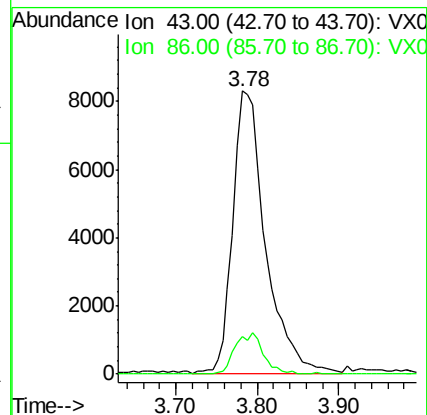
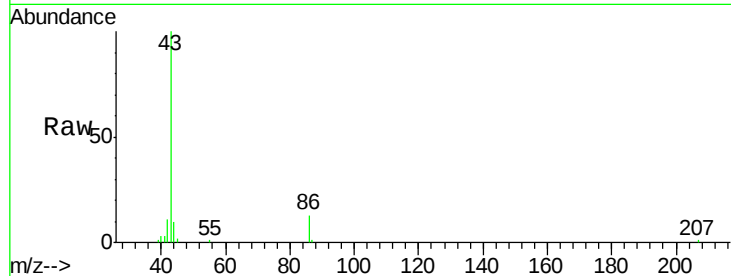
86 13.3 11.7 17.5

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#24

1,1-Dichloroethane

Concen: 0.813 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

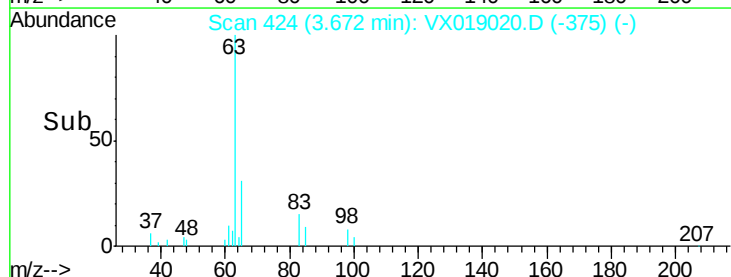
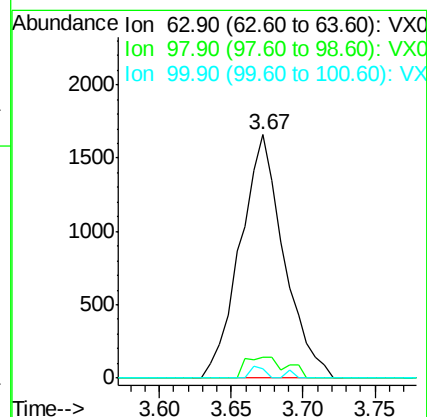
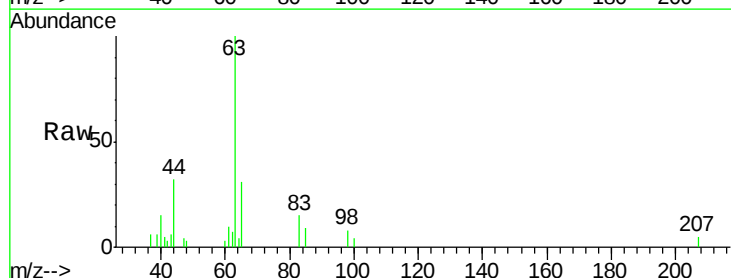
Tgt Ion: 63 Resp: 3480

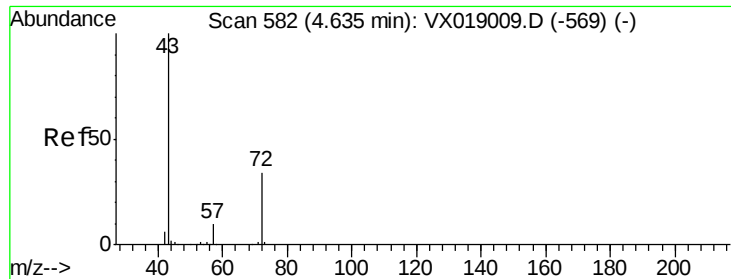
Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.0

100 3.9 2.5 7.4





#25

2-Butanone

Concen: 4.864 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 43 Resp: 7424

Ion Ratio Lower Upper

43 100

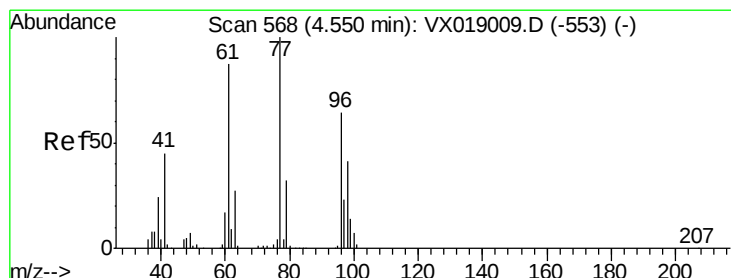
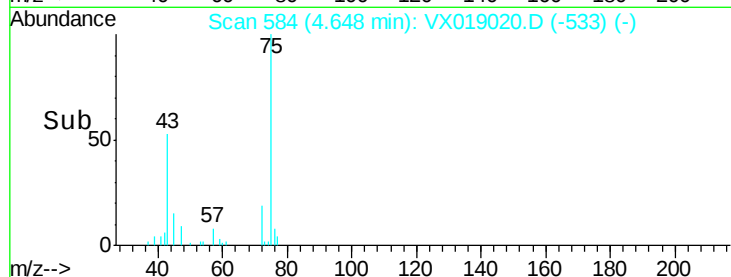
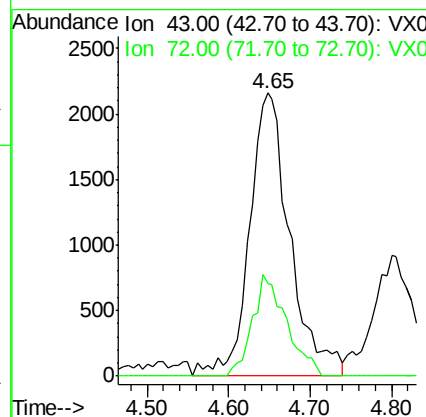
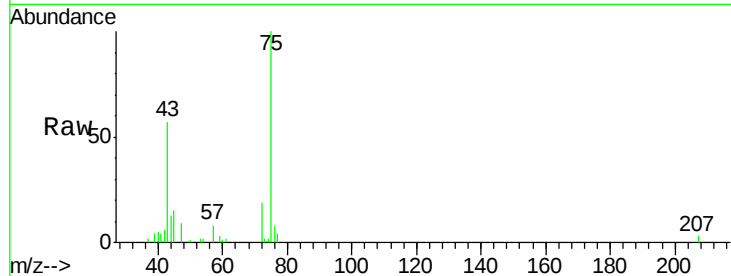
72 32.5 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#26

2,2-Dichloropropane

Concen: 0.816 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019020.D

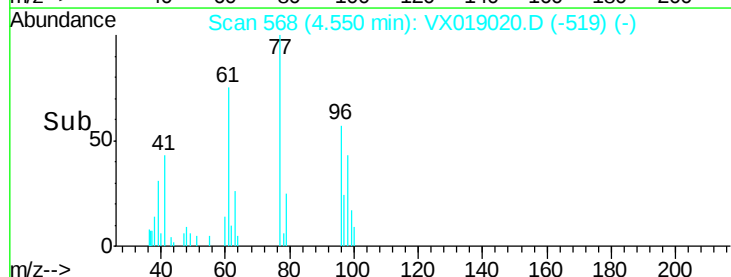
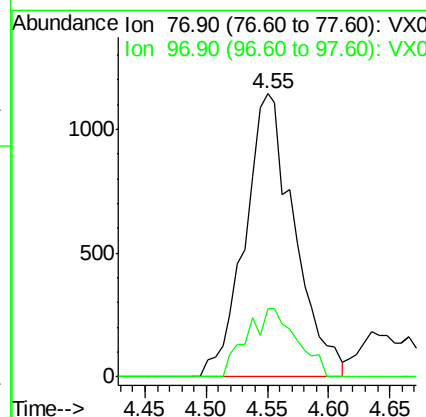
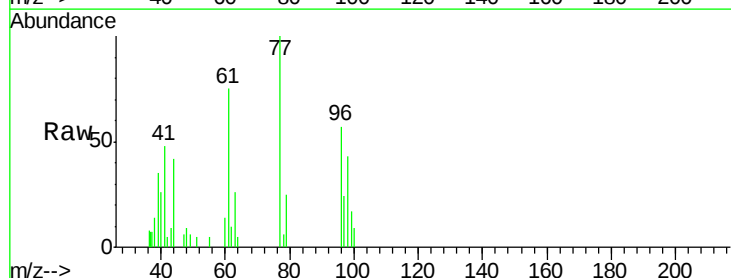
Acq: 22 Oct 2020 12:38

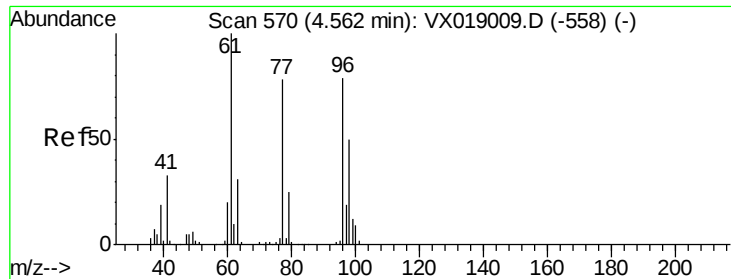
Tgt Ion: 77 Resp: 3225

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.7





#27

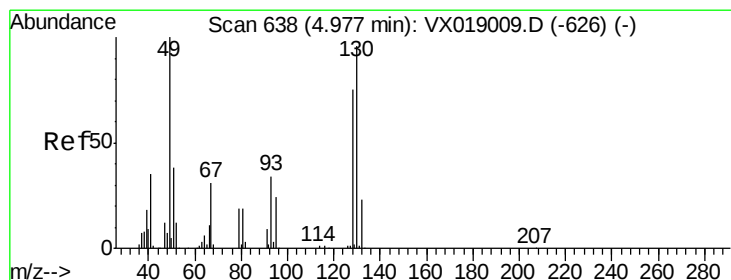
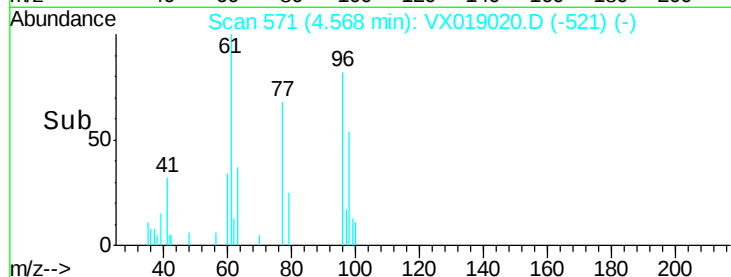
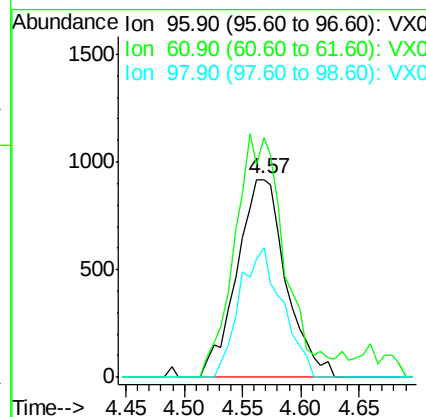
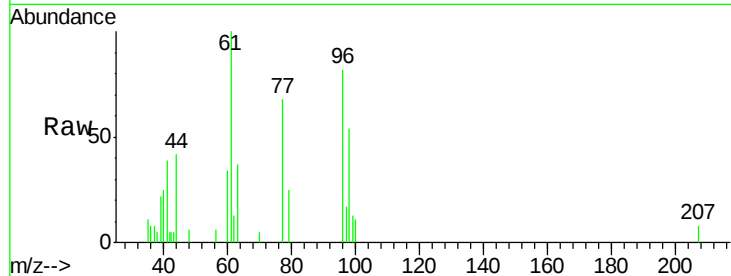
cis-1,2-Dichloroethene
Concen: 0.882 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.0	0.0	260.0
98	57.3	0.0	131.4

Manual Integrations
APPROVED

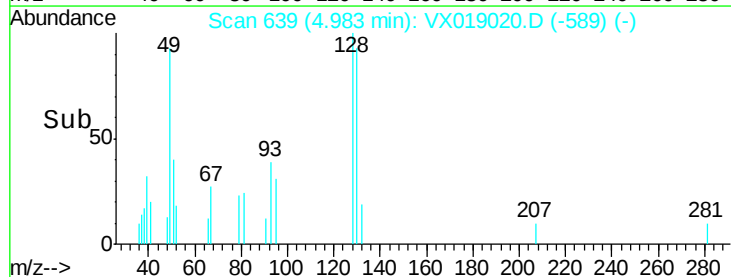
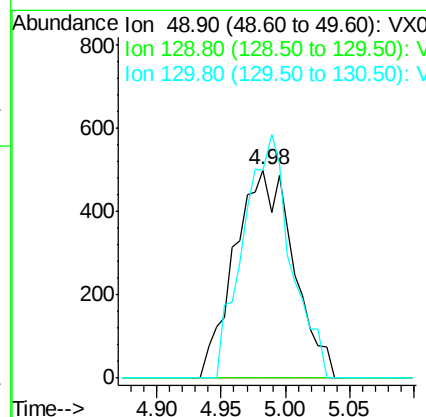
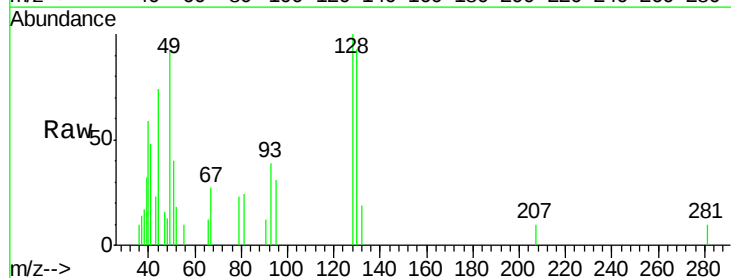
MMDadoda
10/23/2020 12:05:12 PM

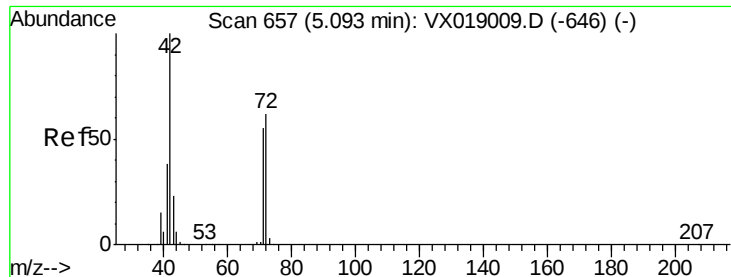


#28

Bromochloromethane
Concen: 0.873 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	94.3	79.0	118.6





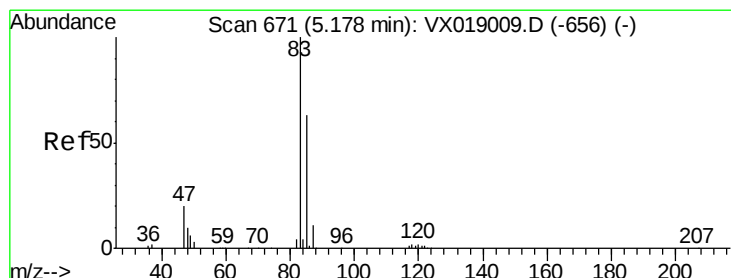
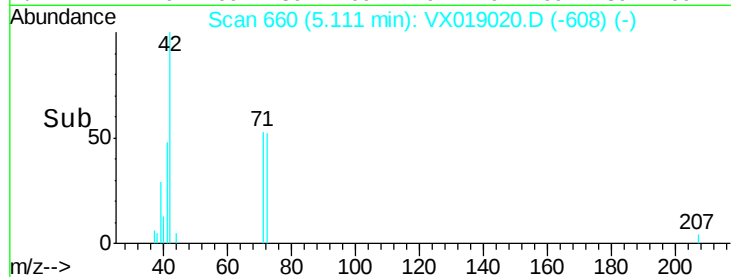
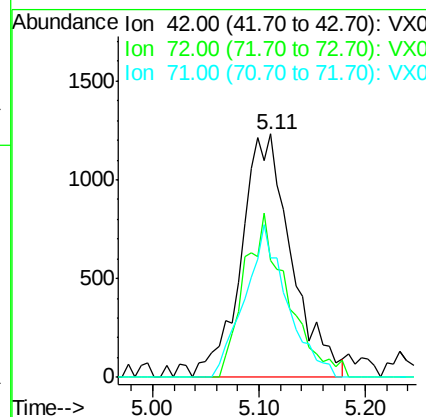
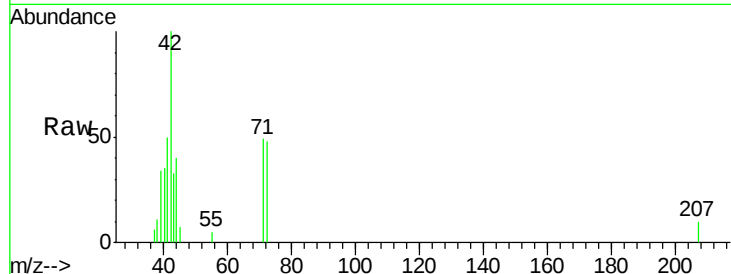
#29
Tetrahydrofuran
Concen: 4.470 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.7	49.1	73.7
71	52.6	44.2	66.4

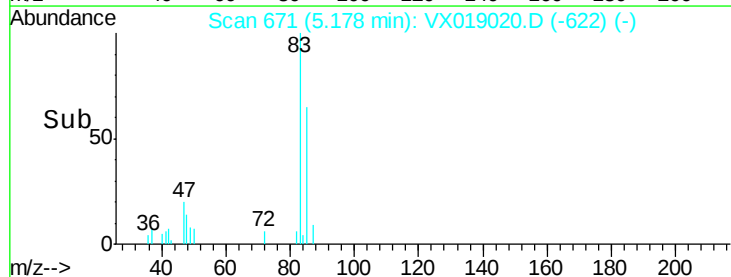
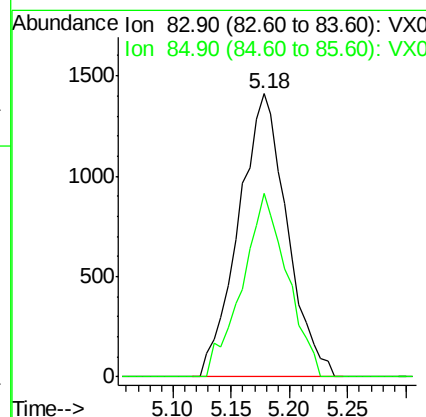
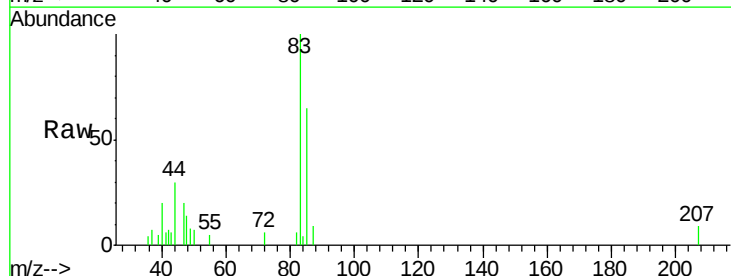
Manual Integrations
APPROVED

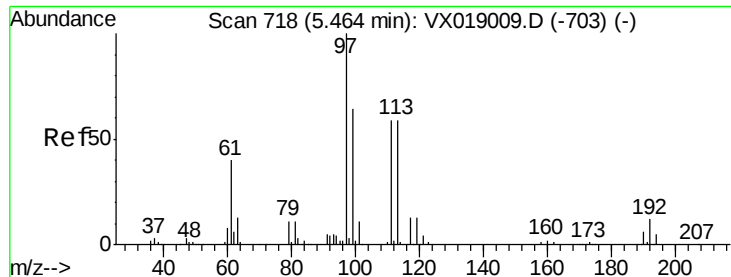
MMDadoda
10/23/2020 12:05:12 PM



#30
Chloroform
Concen: 0.879 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.5	75.7





#32

1,1,1-Trichloroethane

Concen: 0.826 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

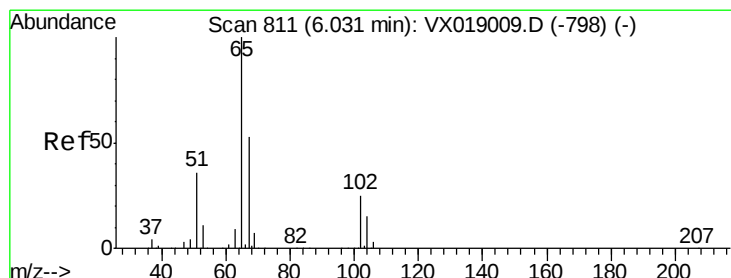
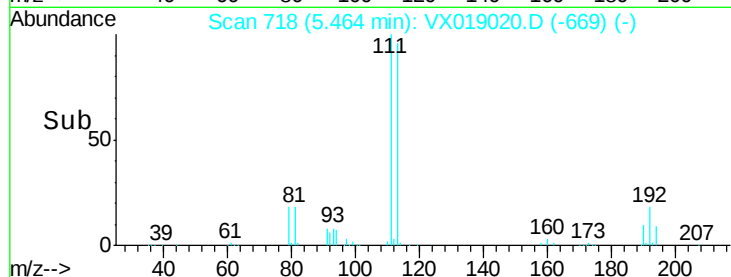
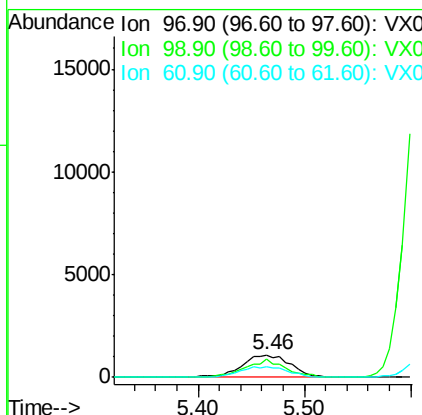
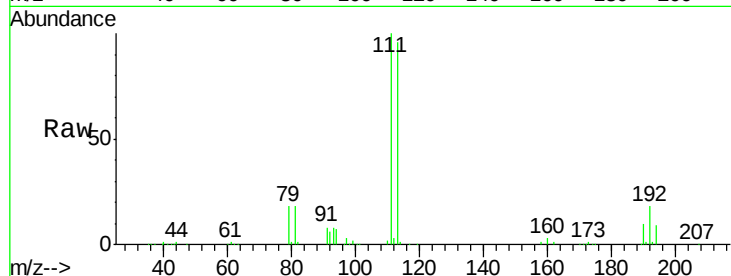
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.3	76.9#
61	45.5	31.9	47.9

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#33

1,2-Dichloroethane-d4

Concen: 47.994 ug/l

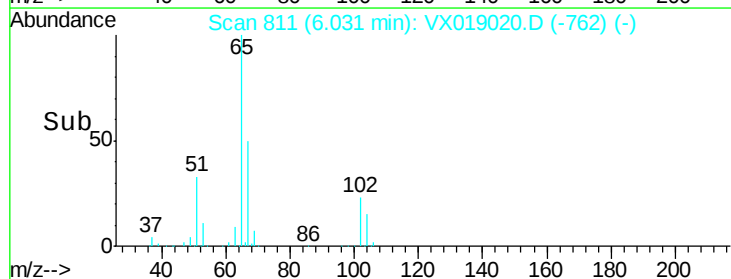
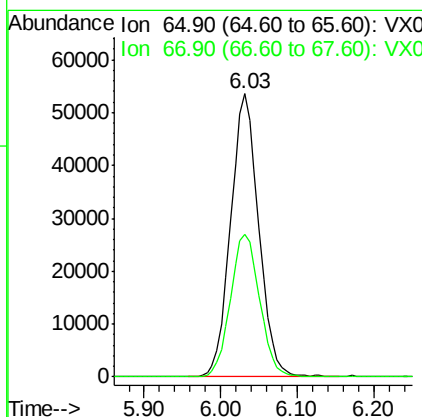
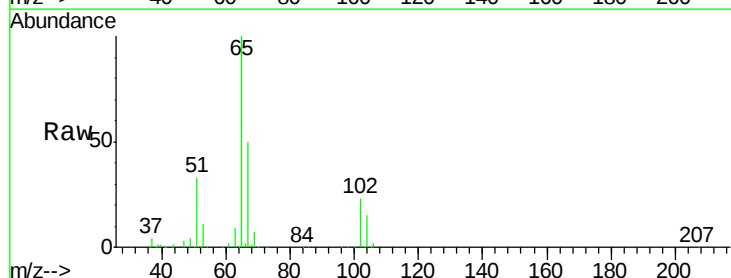
RT: 6.03 min Scan# 811

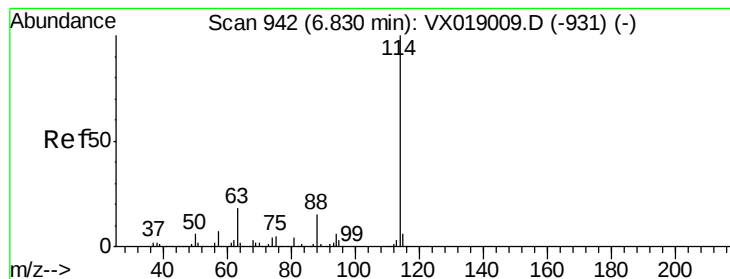
Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

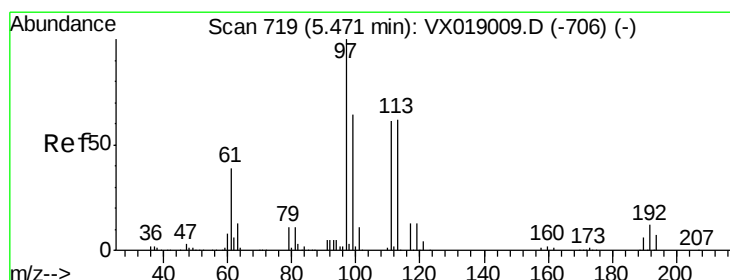
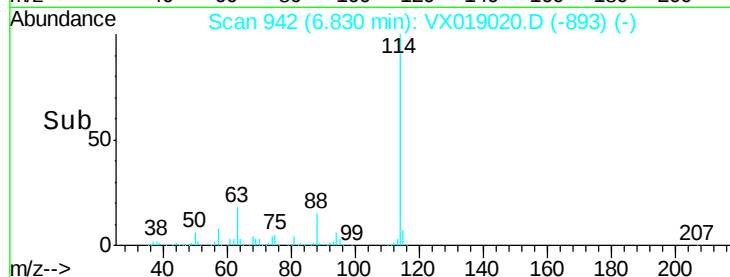
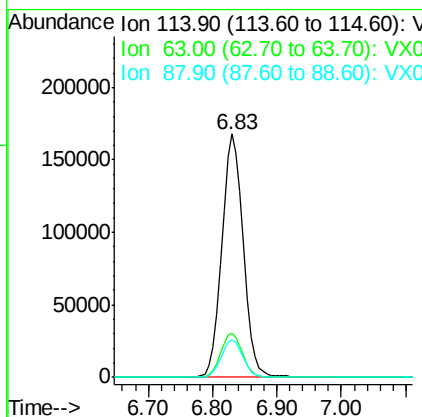
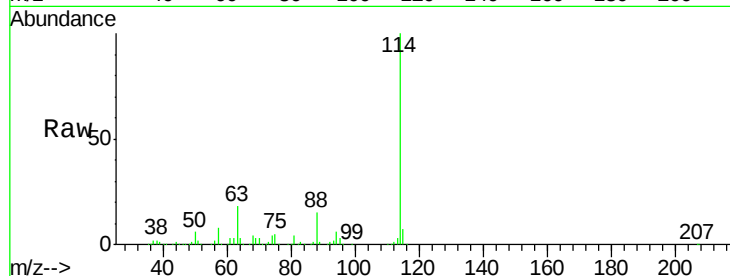
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
114	100	395932		
63	18.0		0.0	36.8
88	15.2		0.0	30.2

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#35

Dibromofluoromethane

Concen: 46.251 ug/l

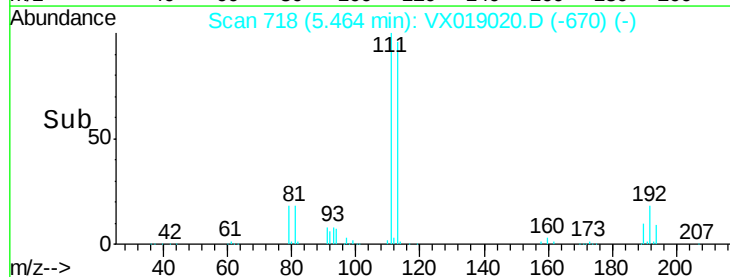
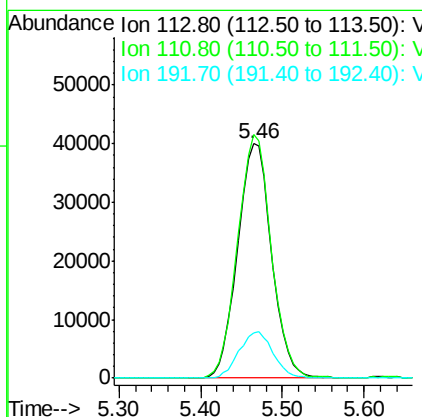
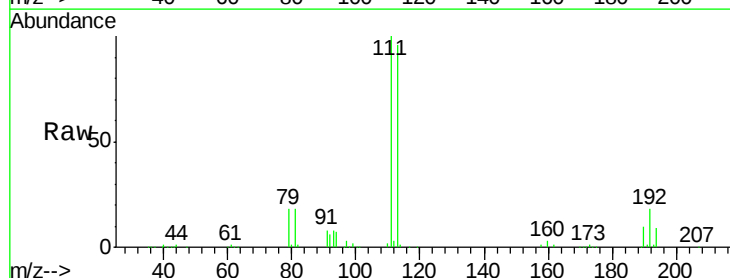
RT: 5.46 min Scan# 718

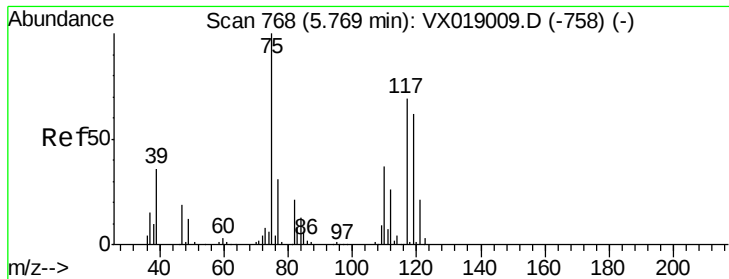
Delta R.T. -0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	115942		
111	102.9		81.5	122.3
192	19.7		16.3	24.5





#36

1,1-Dichloropropene

Concen: 0.859 ug/l

RT: 5.77 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

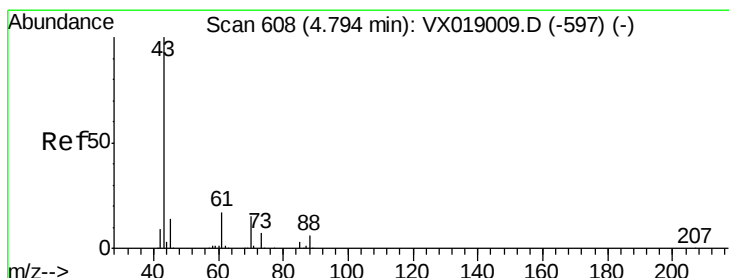
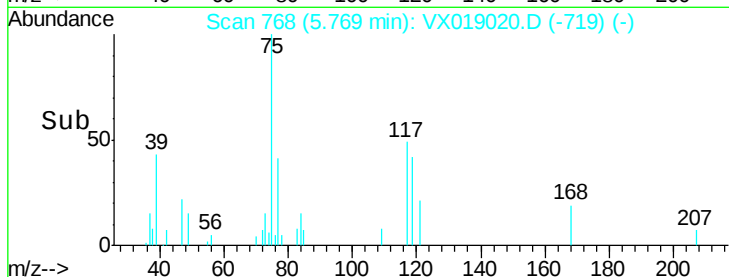
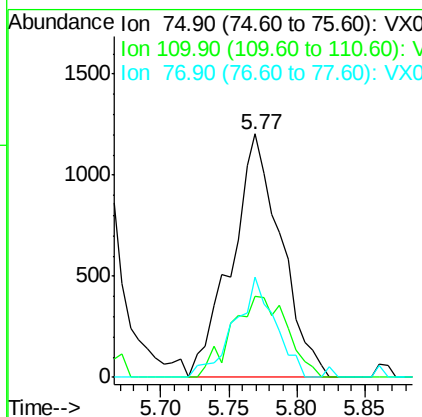
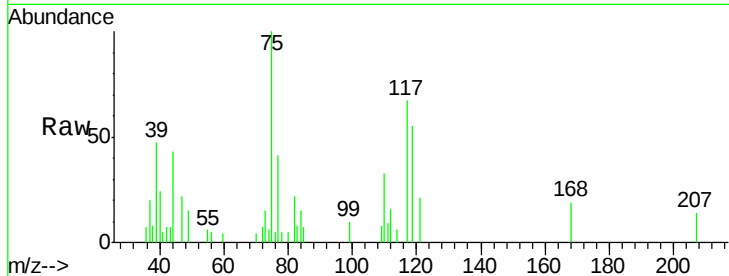
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	75	Resp:	3051
Ion	Ratio	Lower	Upper
75	100		
110	37.5	19.4	58.2
77	33.9	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#37

Ethyl Acetate

Concen: 0.987 ug/l

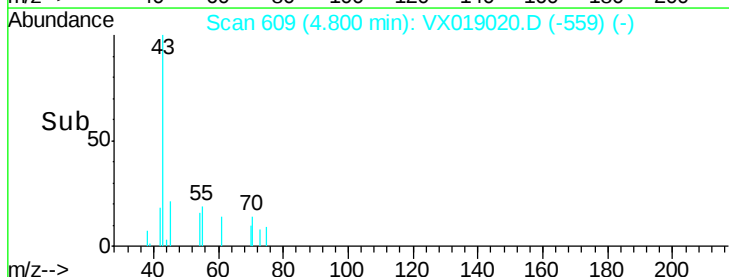
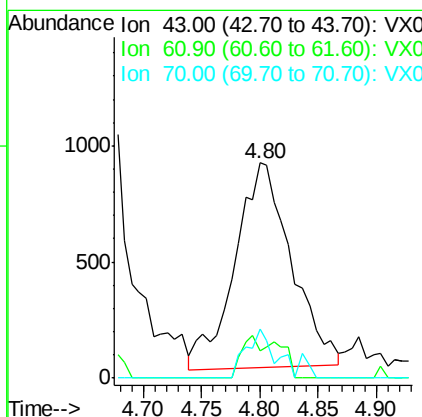
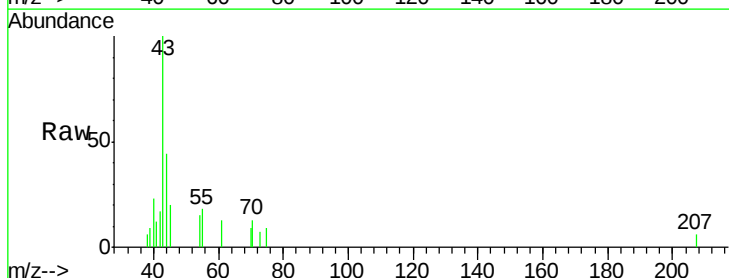
RT: 4.80 min Scan# 609

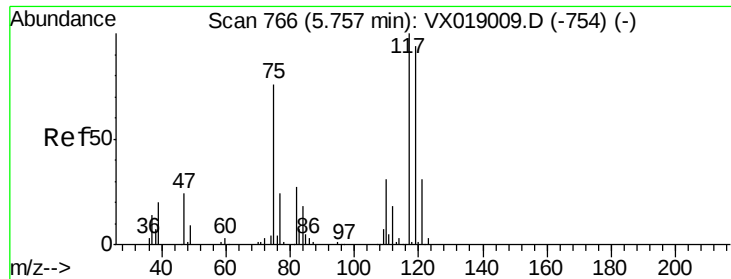
Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	43	Resp:	2992
Ion	Ratio	Lower	Upper
43	100		
61	8.3	13.8	20.8#
70	12.2	11.4	17.2





#38

Carbon Tetrachloride

Concen: 0.853 ug/l

RT: 5.76 min Scan# 767

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

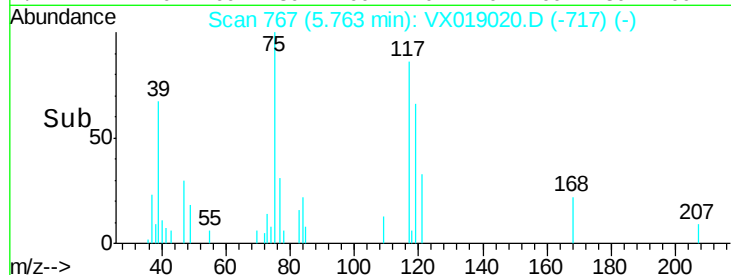
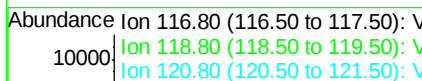
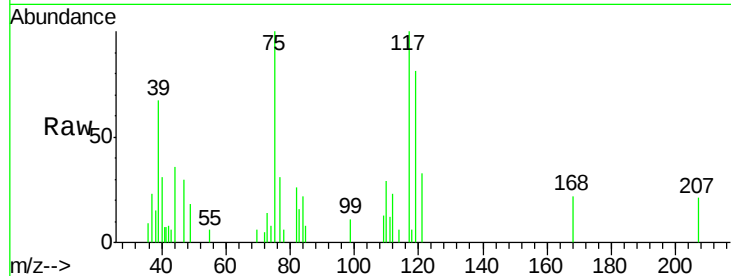
ClientSampleId :

LOQ-WATER-02-QT4-2020

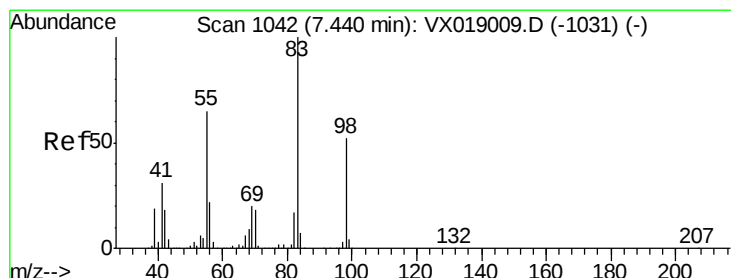
Tot Ion:	117	Resp:	3179
Ion	Ratio	Lower	Upper
117	100		
119	80.8	75.4	113.0
121	33.3	25.0	37.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



Time-->



#39

Methylcyclohexane

Concen: 0.777 ug/l

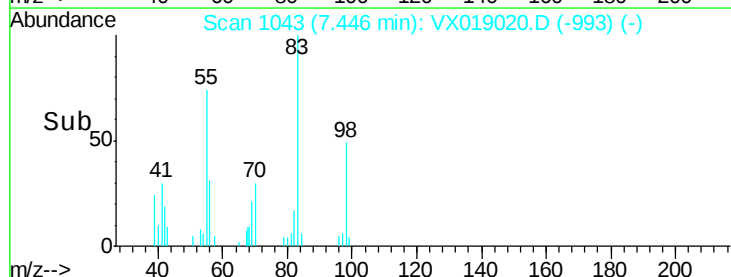
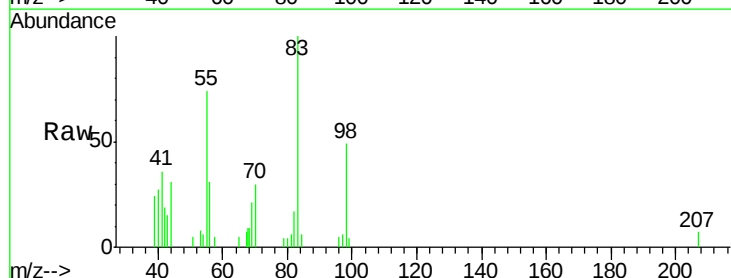
RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

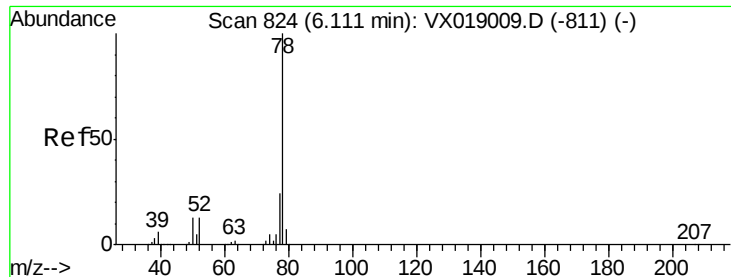
Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	83	Resp:	3094
Ion	Ratio	Lower	Upper
83	100		
55	74.0	51.8	77.6
98	48.8	41.4	62.2



Time-->



#40

Benzene

Concen: 0.841 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 78 Resp: 8803

Ion Ratio Lower Upper

78 100

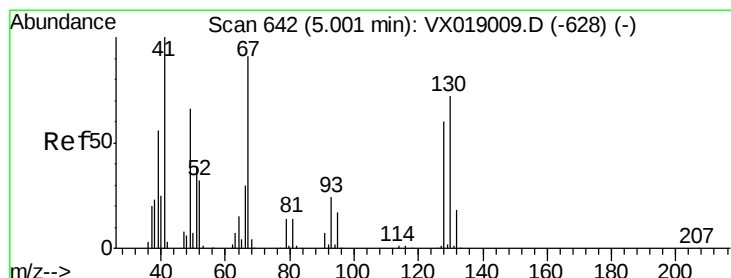
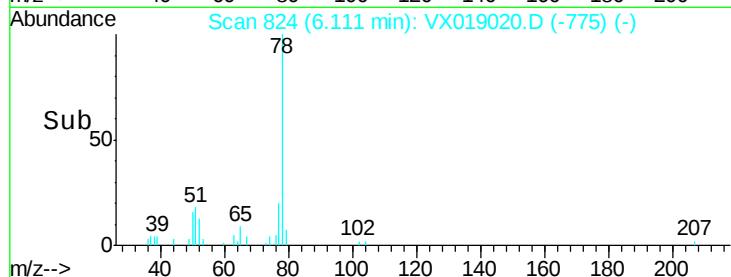
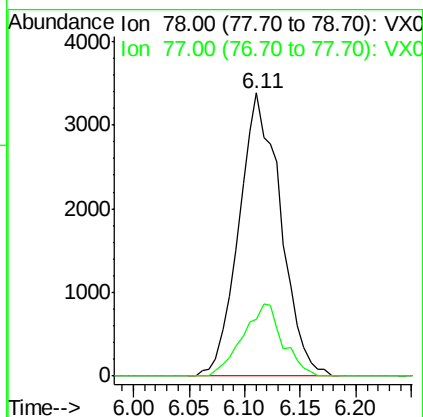
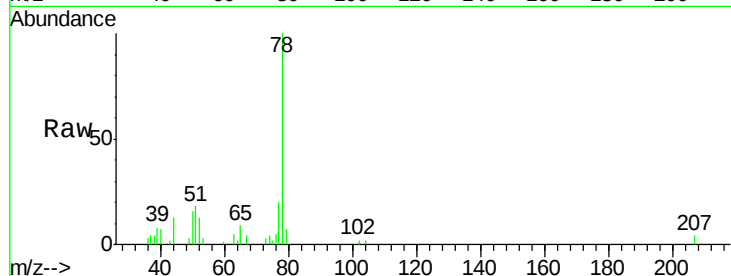
77 20.1 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#41

Methacrylonitrile

Concen: 1.040 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion: 41 Resp: 1694

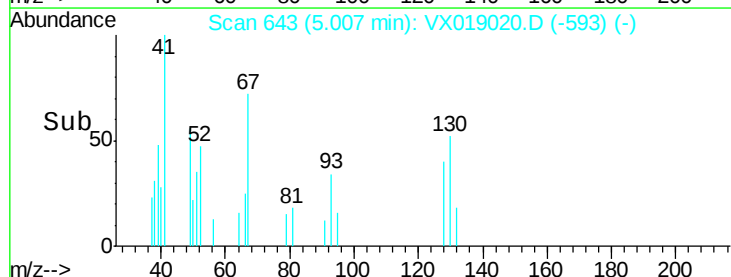
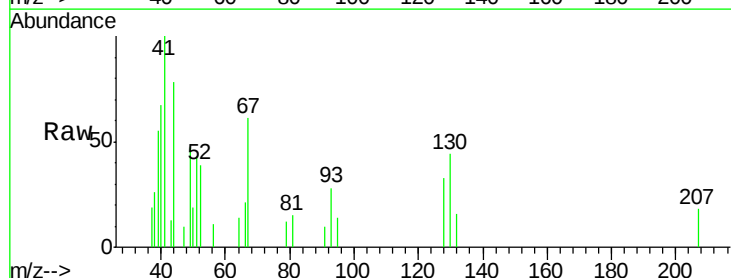
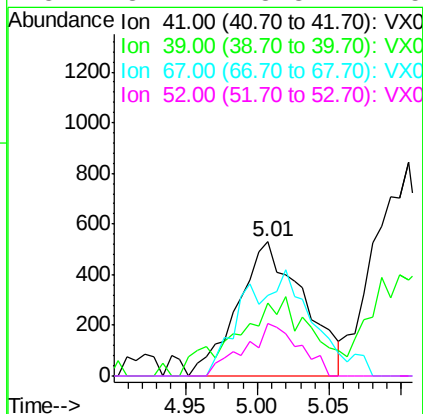
Ion Ratio Lower Upper

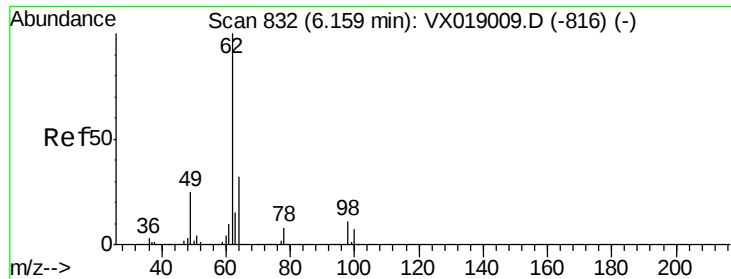
41 100

39 0.0 44.6 67.0#

67 28.7 76.1 114.1#

52 32.4 28.3 42.5





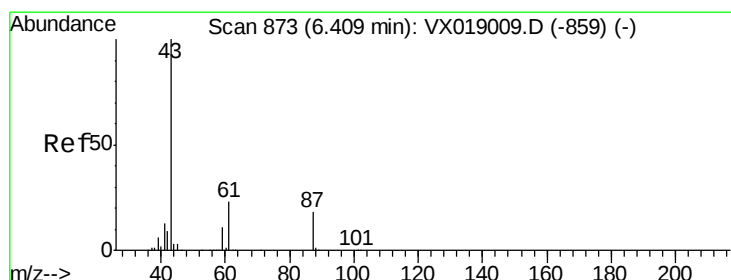
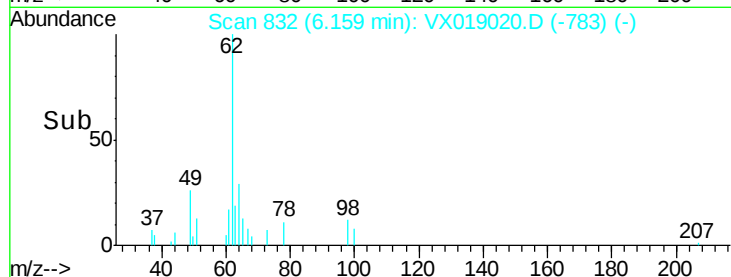
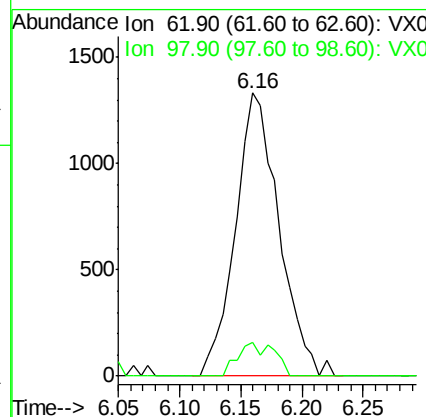
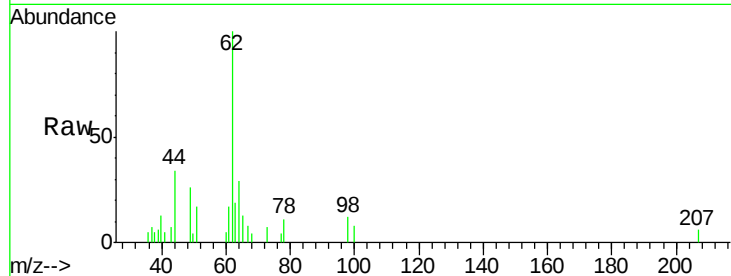
#42
1,2-Dichloroethane
Concen: 0.923 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
62	100	3297		
98	9.9	0.0	20.8	

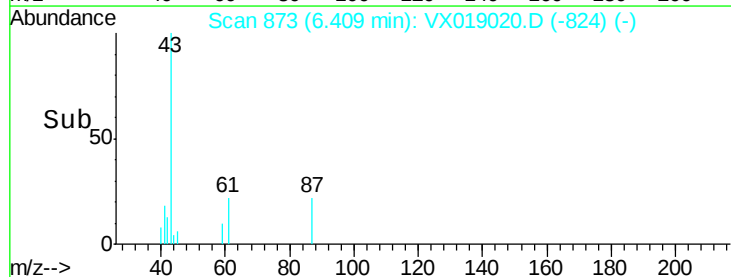
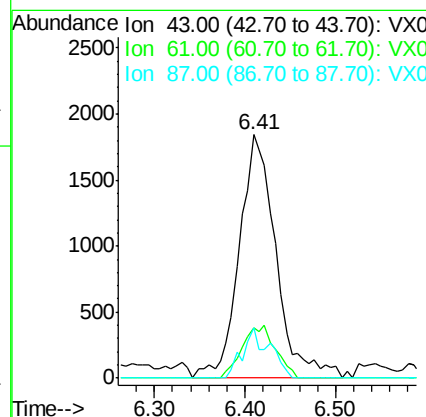
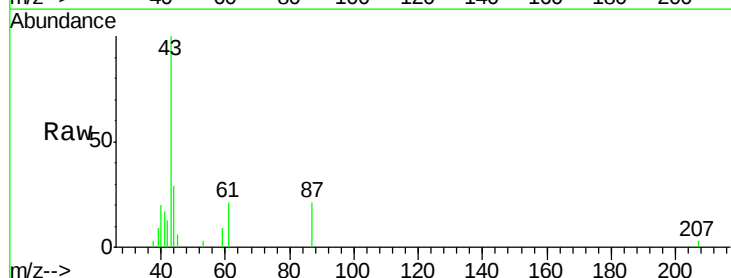
Manual Integrations
APPROVED

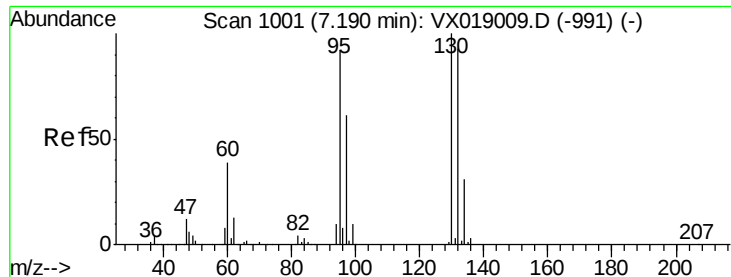
MMDadoda
10/23/2020 12:05:12 PM



#43
Isopropyl Acetate
Concen: 1.012 ug/l
RT: 6.41 min Scan# 873
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	5196		
61	19.7	18.7	28.1	
87	15.1	14.2	21.4	





#44

Trichloroethene

Concen: 0.831 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:130 Resp: 2537

Ion Ratio Lower Upper

130 100

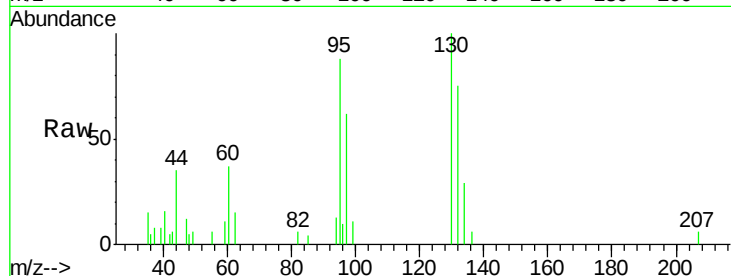
95 88.1 0.0 184.2

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

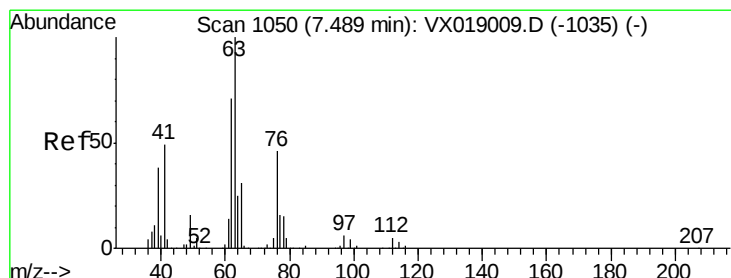
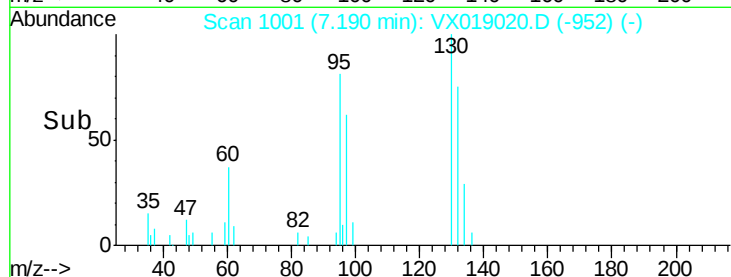
7.19

1000

500

0

Time--> 7.10 7.15 7.20 7.25



#45

1,2-Dichloropropane

Concen: 0.896 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019020.D

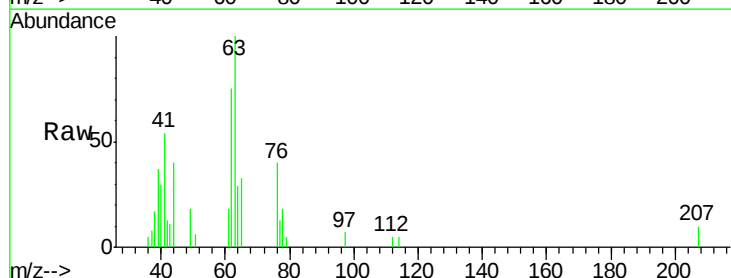
Acq: 22 Oct 2020 12:38

Tgt Ion: 63 Resp: 2250

Ion Ratio Lower Upper

63 100

65 32.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

1200

1000

800

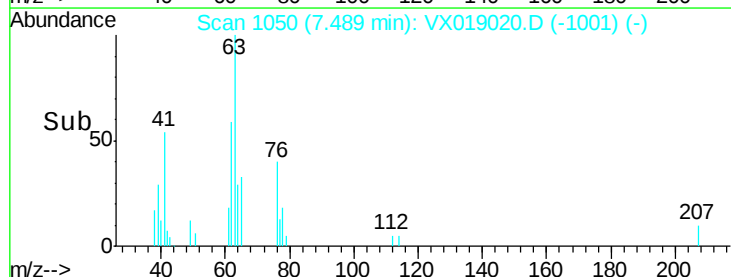
600

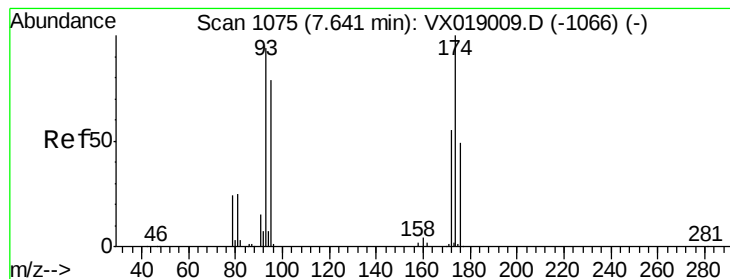
400

200

0

Time--> 7.40 7.45 7.50 7.55





#46

Dibromomethane

Concen: 0.866 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

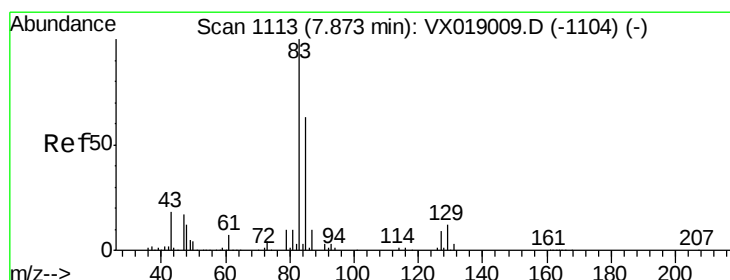
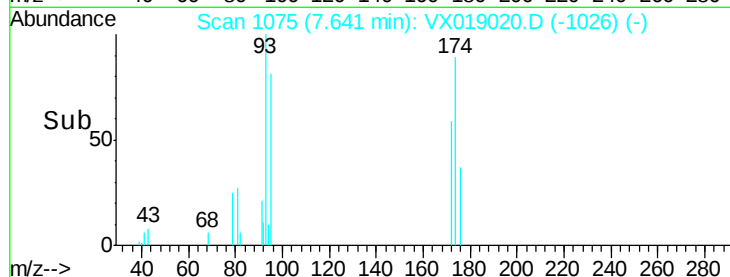
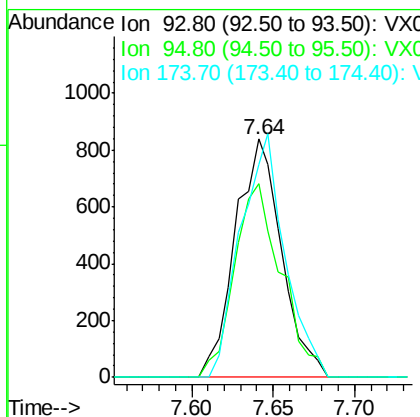
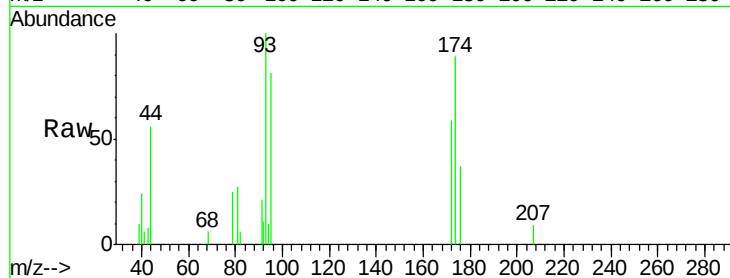
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	93	Resp:	1656
Ion	Ratio	Lower	Upper
93	100		
95	81.8	66.8	100.2
174	97.8	83.8	125.8

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#47

Bromodichloromethane

Concen: 0.807 ug/l

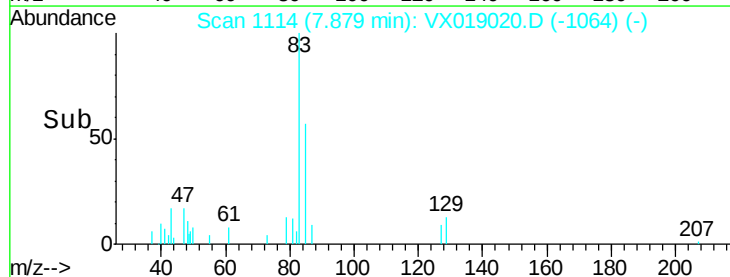
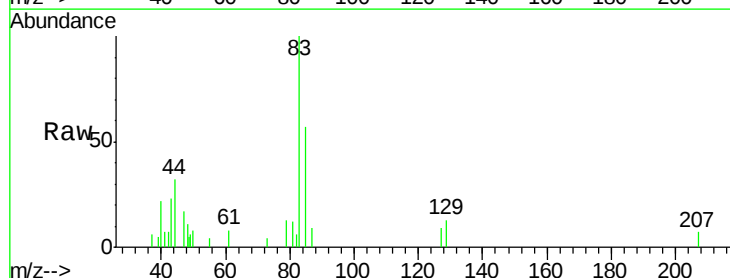
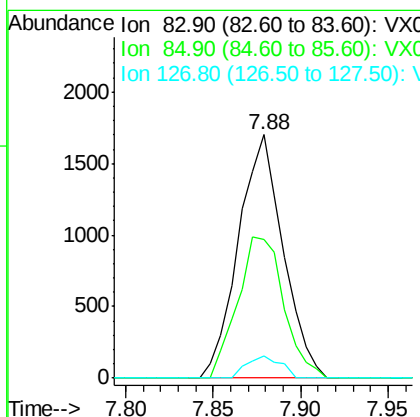
RT: 7.88 min Scan# 1114

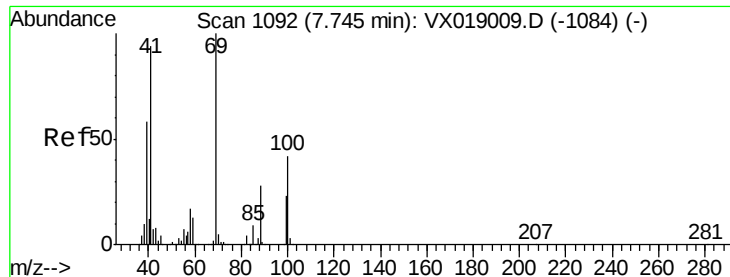
Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	83	Resp:	3023
Ion	Ratio	Lower	Upper
83	100		
85	57.1	50.7	76.1
127	9.0	6.8	10.2





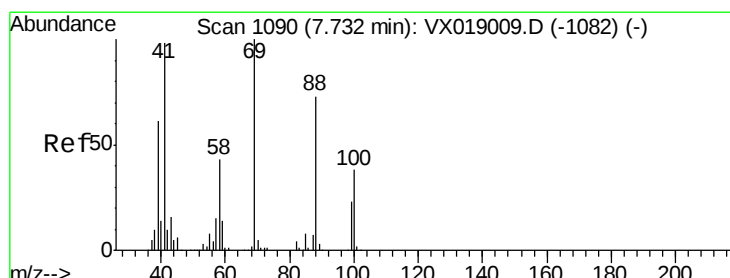
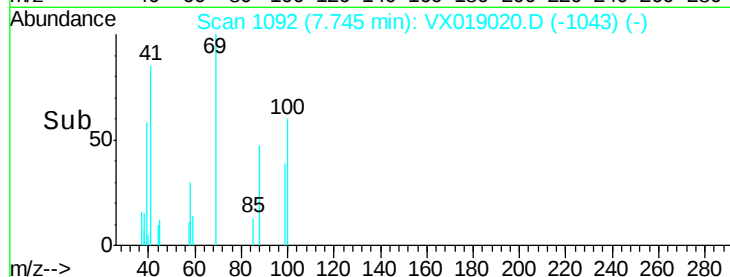
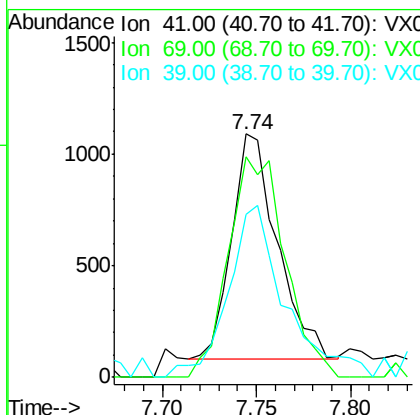
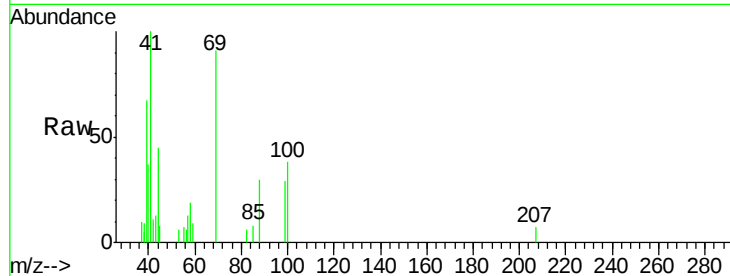
#48
Methvl methacrylate
Concen: 0.670 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
41	100		
69	121.6	85.5	128.3
39	95.7	49.3	73.9#

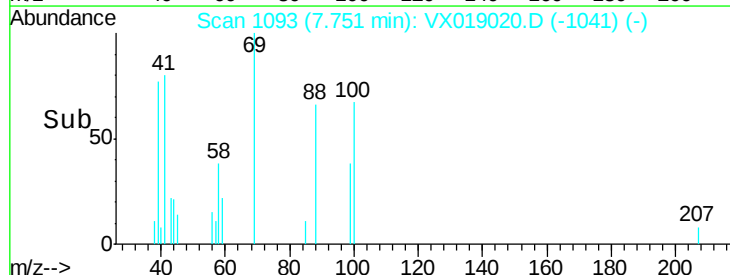
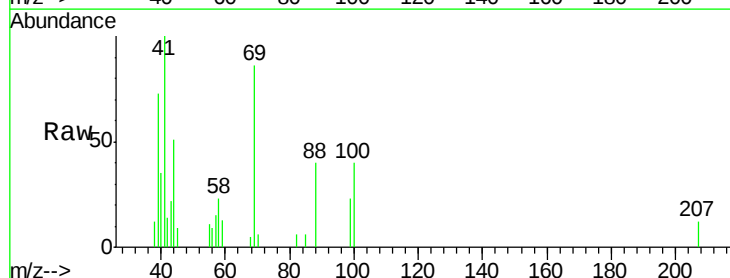
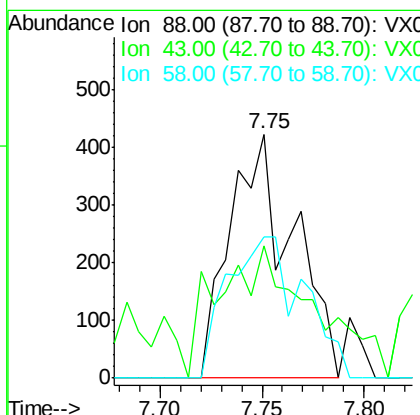
Manual Integrations
APPROVED

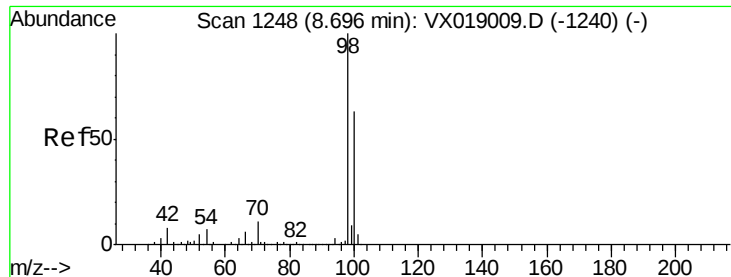
MMDadoda
10/23/2020 12:05:12 PM



#49
1,4-Dioxane
Concen: 15.969 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.02 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
88	100		
43	81.3	20.3	30.5#
58	69.9	48.4	72.6





#50

Toluene-d8

Concen: 46.560 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 98 Resp: 445386

Ion Ratio Lower Upper

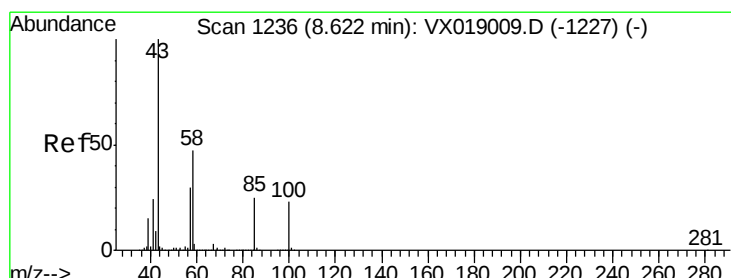
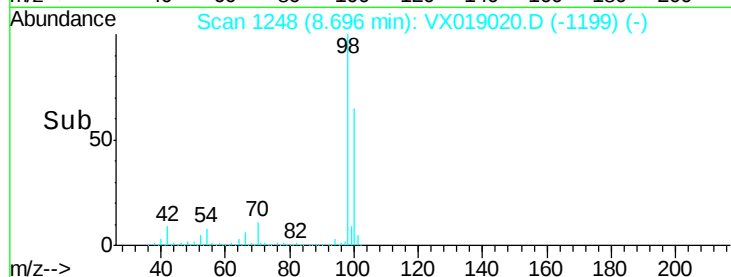
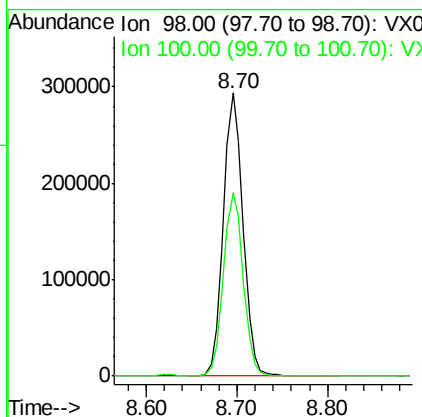
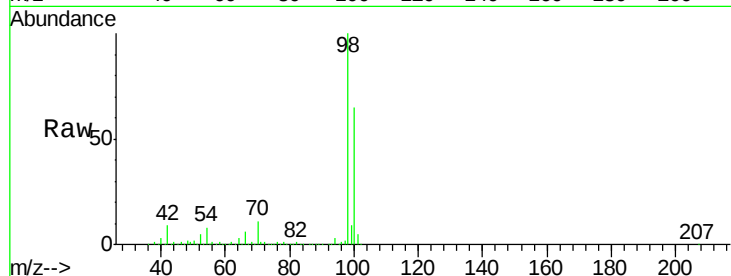
98 100

100 64.9 52.1 78.1

Manual Integrations
APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#51

4-Methyl-2-Pentanone

Concen: 4.109 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX019020.D

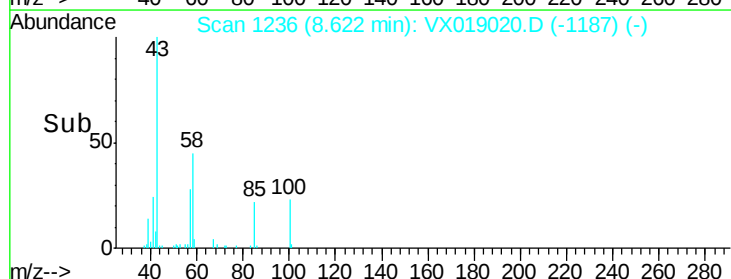
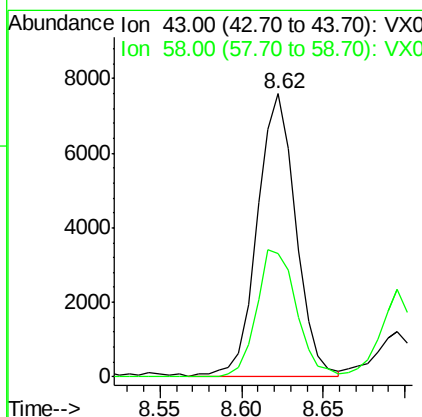
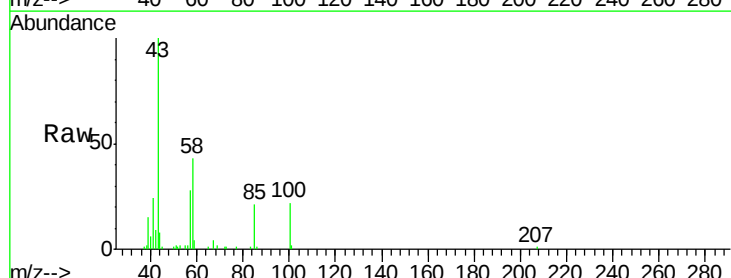
Acq: 22 Oct 2020 12:38

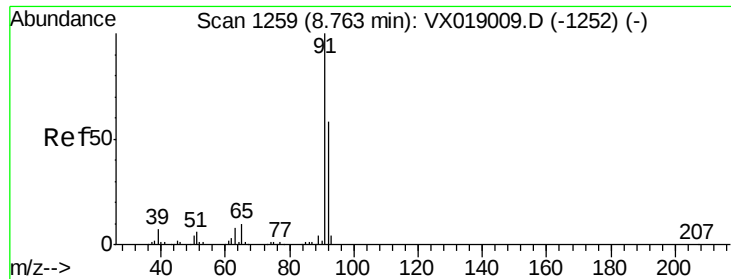
Tgt Ion: 43 Resp: 12433

Ion Ratio Lower Upper

43 100

58 46.3 37.4 56.0





#52

Toluene

Concen: 0.824 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 92 Resp: 5693

Ion Ratio Lower Upper

92 100

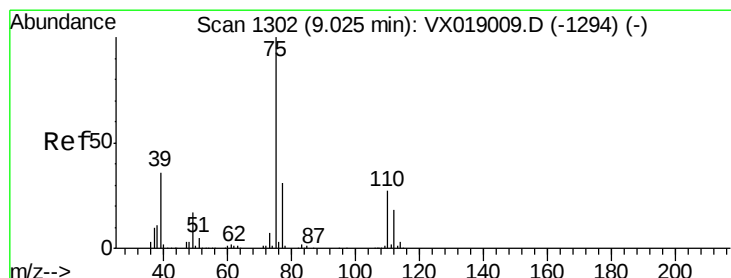
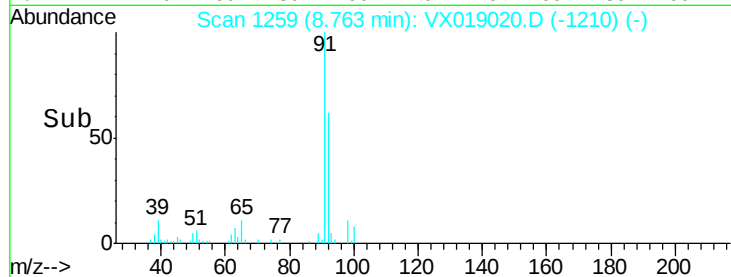
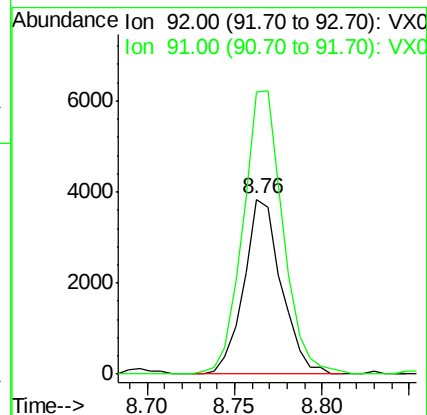
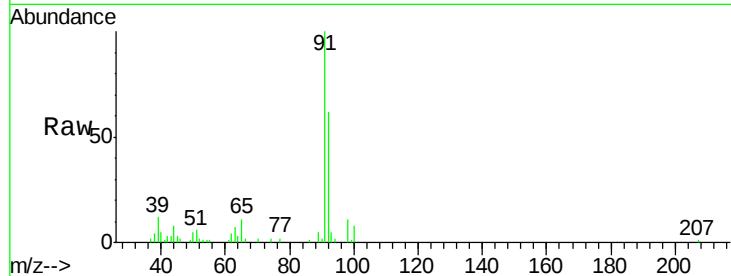
91 174.1 138.6 208.0

Manual Integrations

APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#53

t-1,3-Dichloropropene

Concen: 0.796 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX019020.D

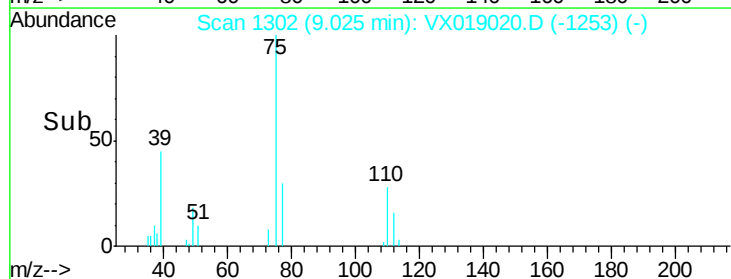
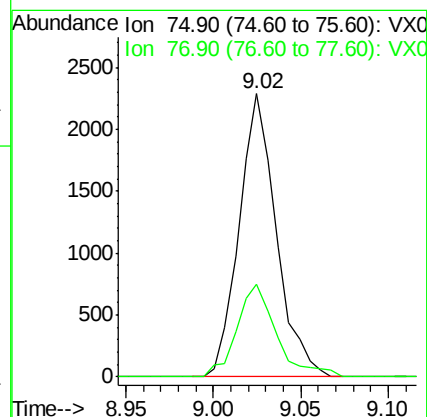
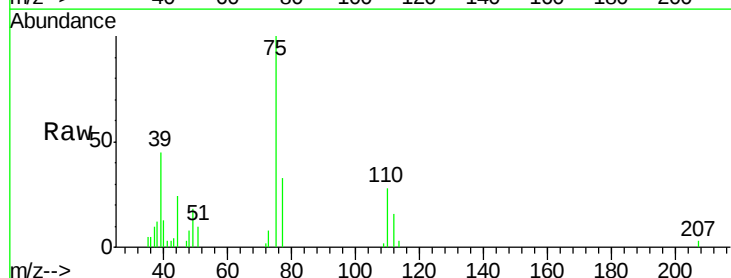
Acq: 22 Oct 2020 12:38

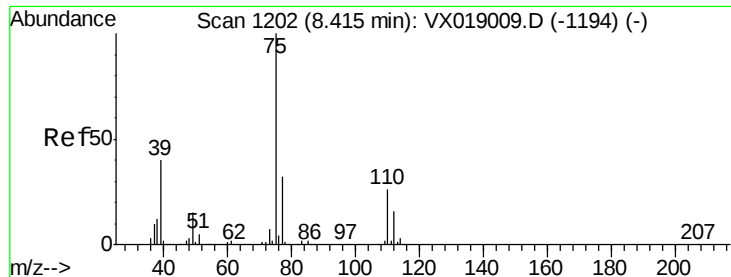
Tgt Ion: 75 Resp: 3369

Ion Ratio Lower Upper

75 100

77 32.8 25.1 37.7





#54

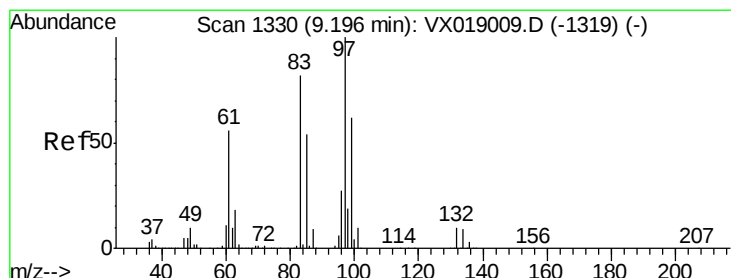
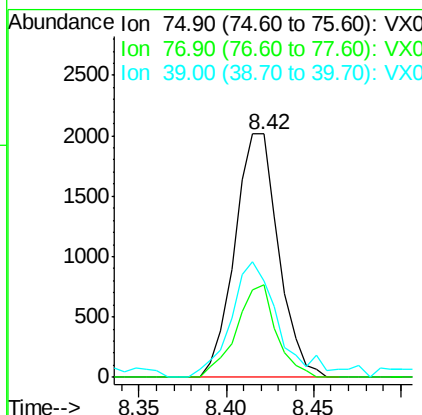
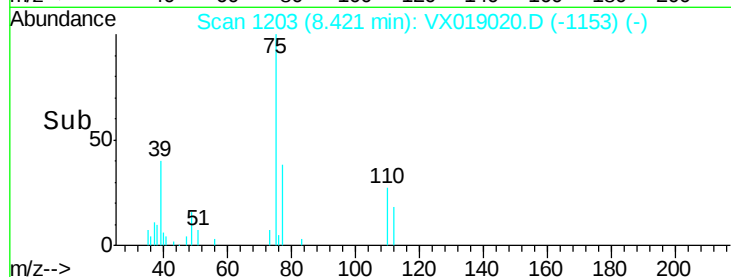
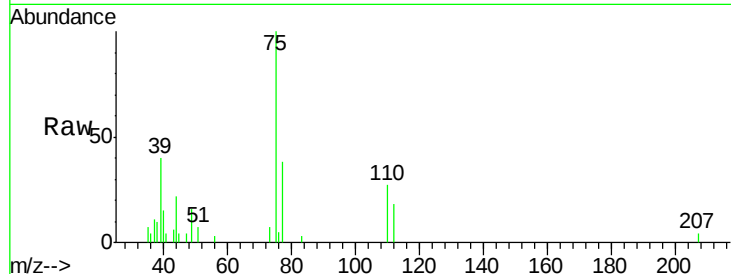
cis-1,3-Dichloropropene
Concen: 0.783 ug/l
RT: 8.42 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	37.9	25.9	38.9
39	39.6	31.7	47.5

Manual Integrations
APPROVED

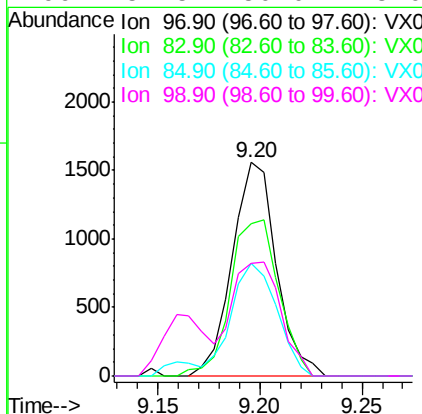
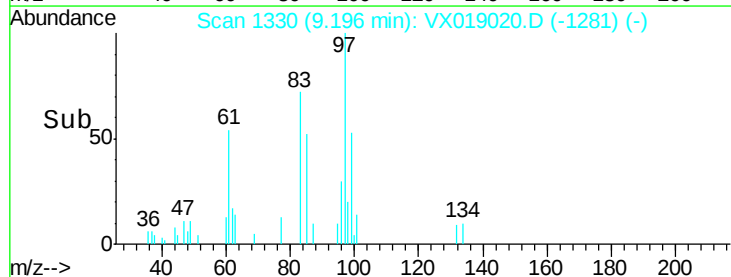
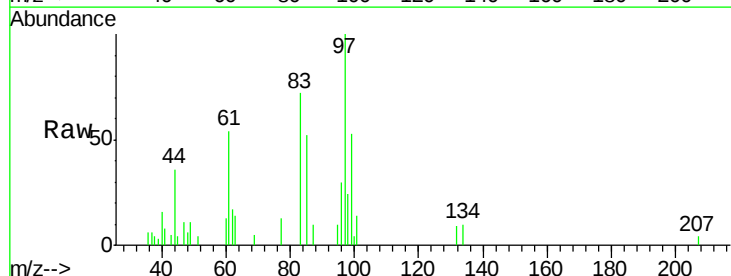
MMDadoda
10/23/2020 12:05:12 PM

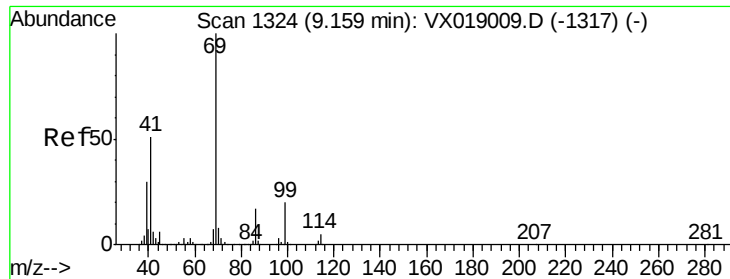


#55

1,1,2-Trichloroethane
Concen: 0.833 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	71.5	65.4	98.2
85	52.5	43.3	64.9
99	52.5	50.0	75.0





#56

Ethyl methacrylate

Concen: 0.780 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

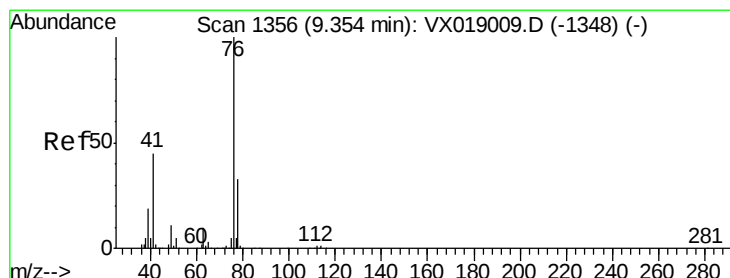
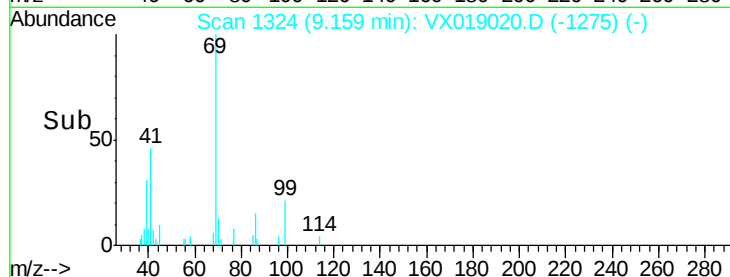
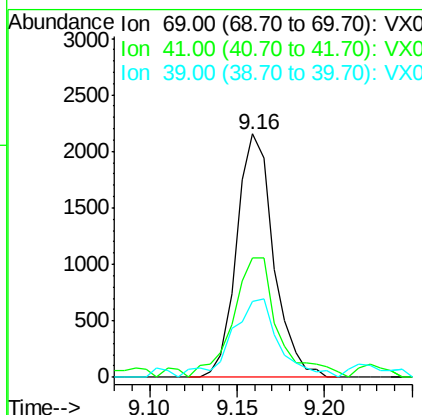
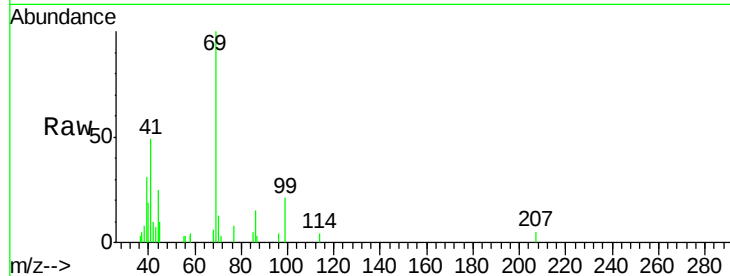
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	69	Resp:	3163
Ion	Ratio	Lower	Upper
69	100		
41	59.6	41.1	61.7
39	40.9	24.6	37.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#57

1,3-Dichloropropane

Concen: 0.829 ug/l

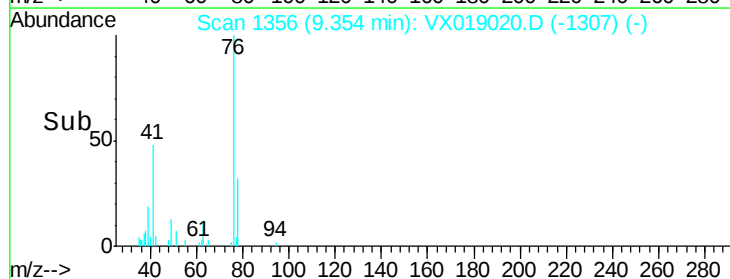
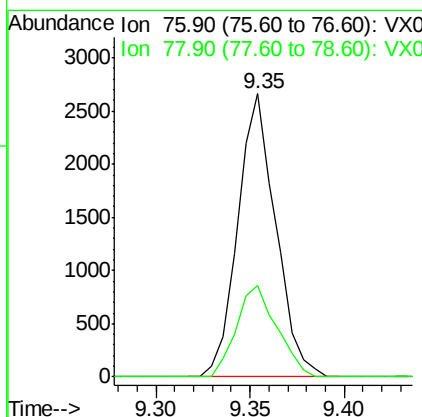
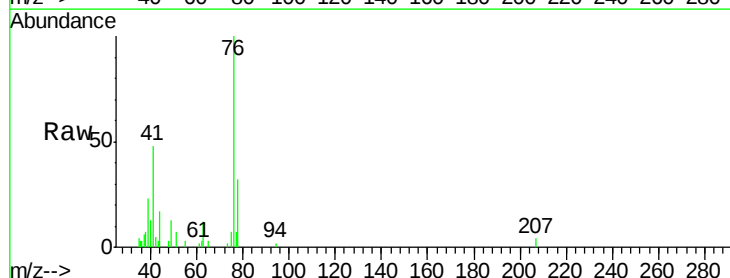
RT: 9.35 min Scan# 1356

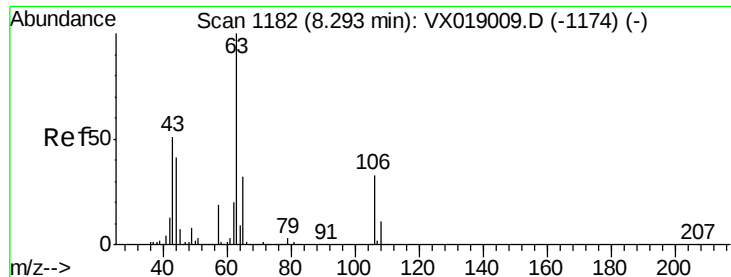
Delta R.T. -0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	76	Resp:	3709
Ion	Ratio	Lower	Upper
76	100		
78	34.3	26.2	39.4





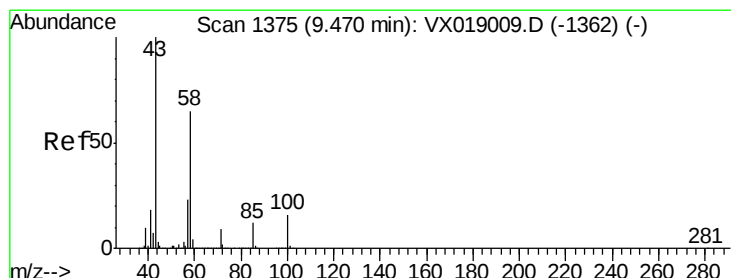
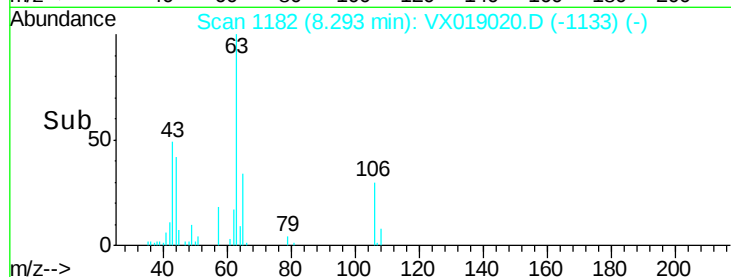
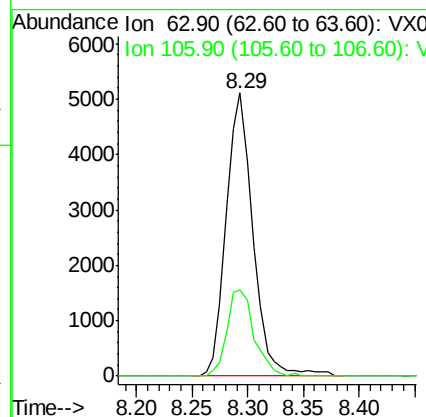
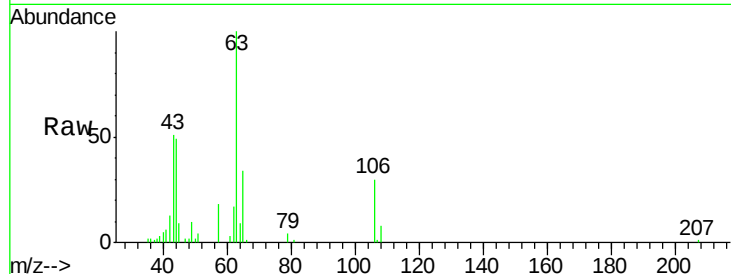
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.000 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
63	100		
106	30.8	26.0	39.0

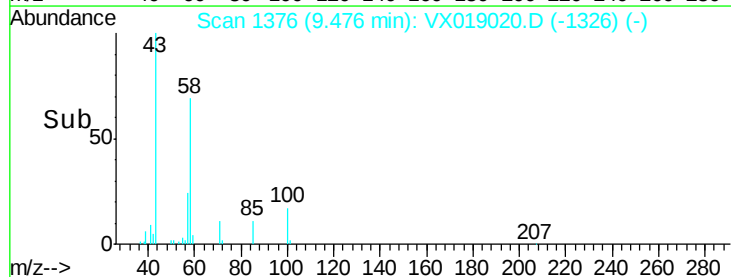
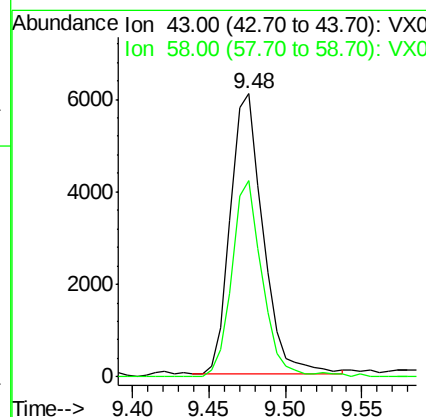
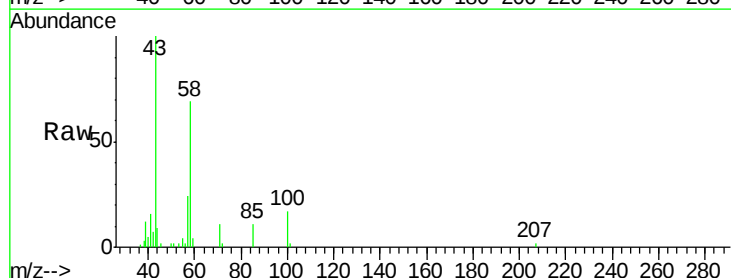
Manual Integrations
 APPROVED

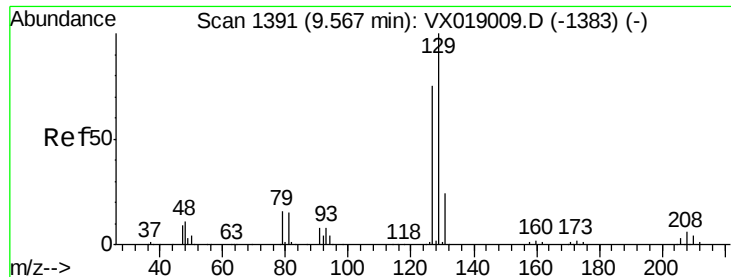
MMDadoda
 10/23/2020 12:05:12 PM



#59
 2-Hexanone
 Concen: 4.018 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	64.2	32.8	98.4





#60

Dibromochloromethane

Concen: 0.746 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:129 Resp: 2291

Ion Ratio Lower Upper

129 100

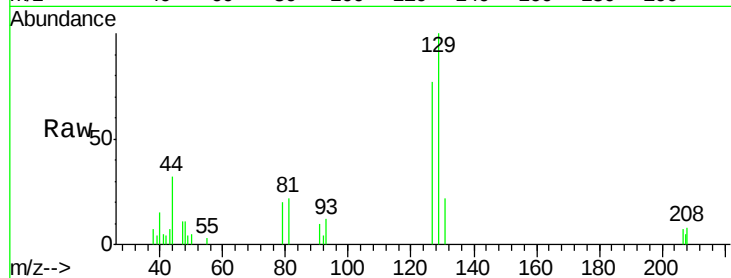
127 75.1 38.6 115.7

Manual Integrations

APPROVED

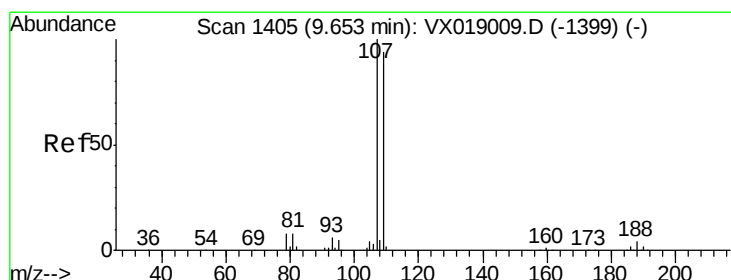
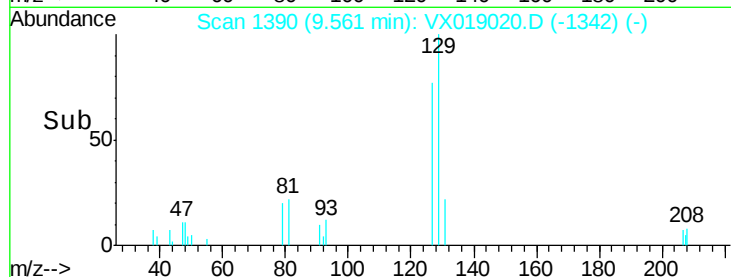
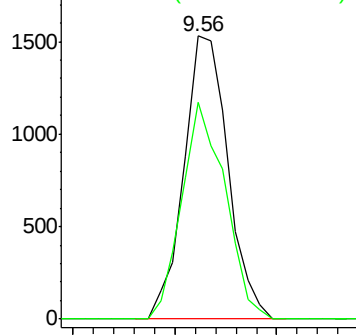
MMDadoda

10/23/2020 12:05:12 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.806 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019020.D

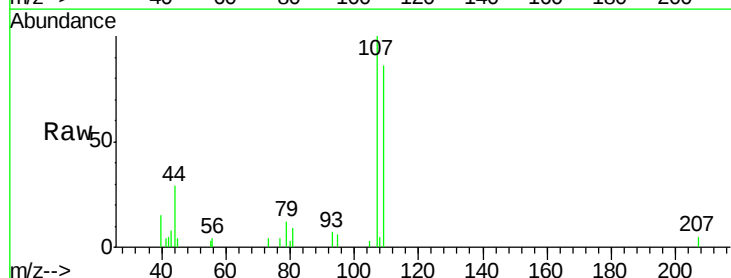
Acq: 22 Oct 2020 12:38

Tgt Ion:107 Resp: 2429

Ion Ratio Lower Upper

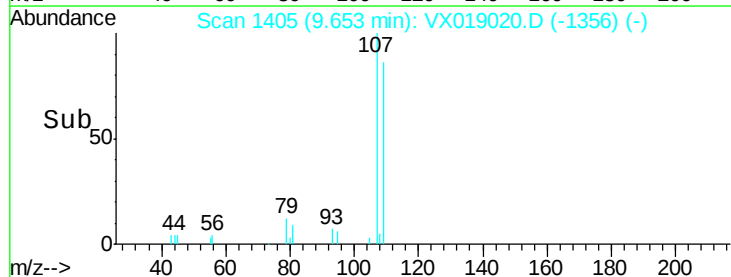
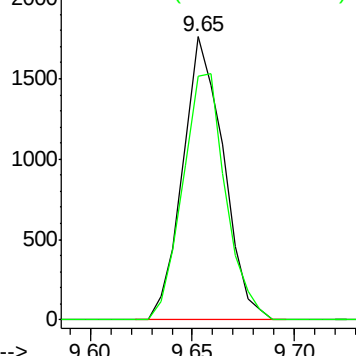
107 100

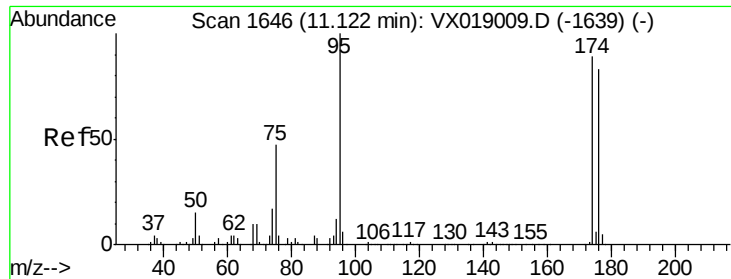
109 92.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





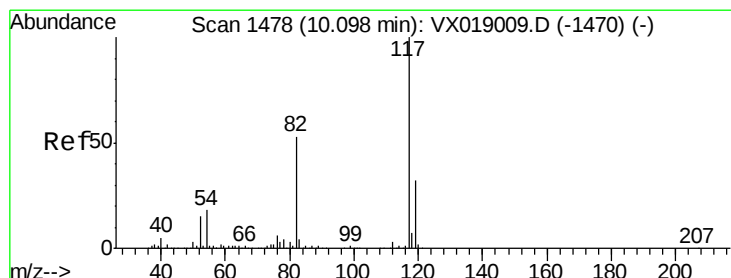
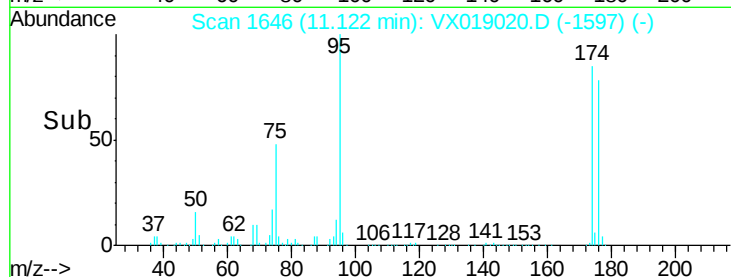
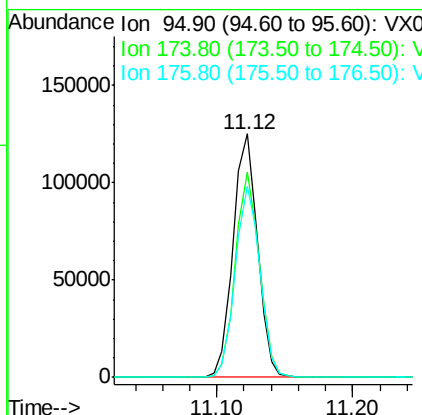
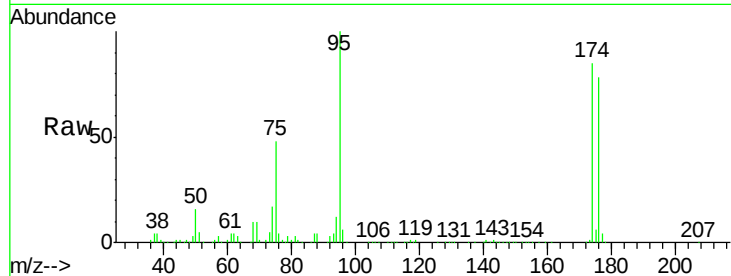
#62
4-Bromofluorobenzene
Concen: 46.032 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	156631		
174	83.1	0.0	167.6	
176	79.1	0.0	165.2	

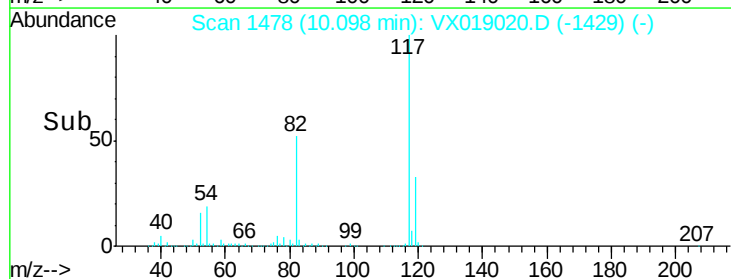
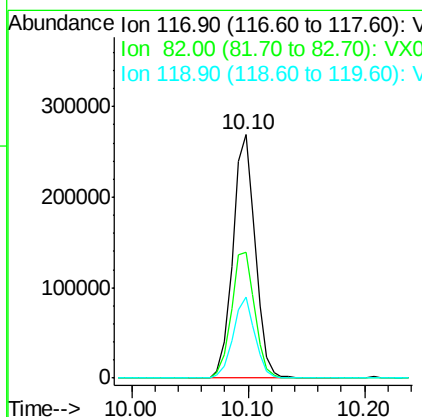
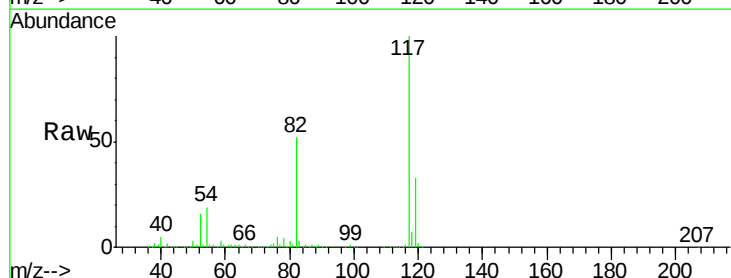
Manual Integrations
APPROVED

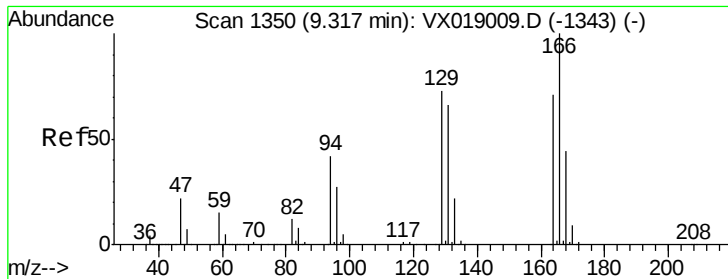
MMDadoda
10/23/2020 12:05:12 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	359771		
82	51.9	42.4	63.6	
119	33.1	25.6	38.4	





#64

Tetrachloroethene

Concen: 0.996 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:164 Resp: 2727

Ion Ratio Lower Upper

164 100

166 110.2 112.2 168.4#

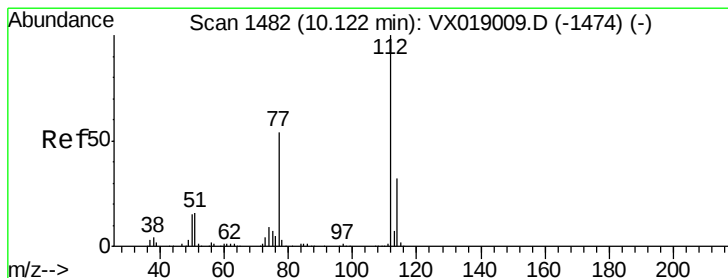
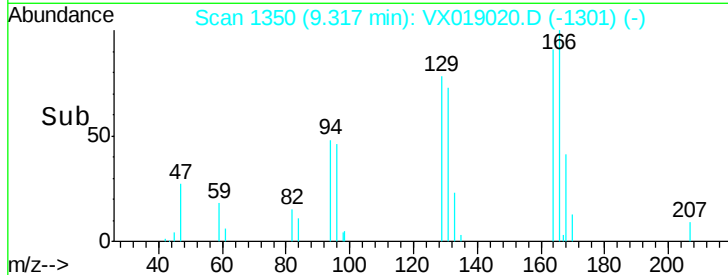
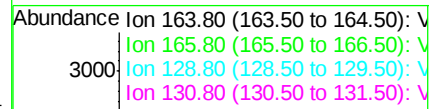
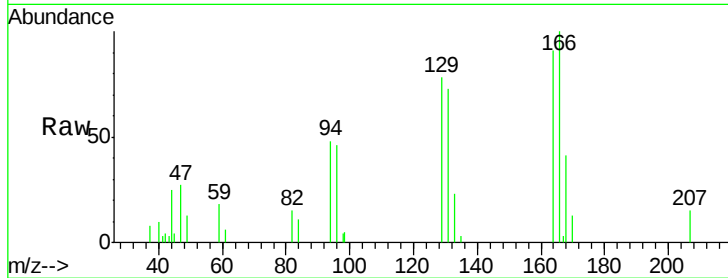
129 86.4 81.8 122.8

131 80.5 74.6 112.0

Manual Integrations
APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#65

Chlorobenzene

Concen: 0.860 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019020.D

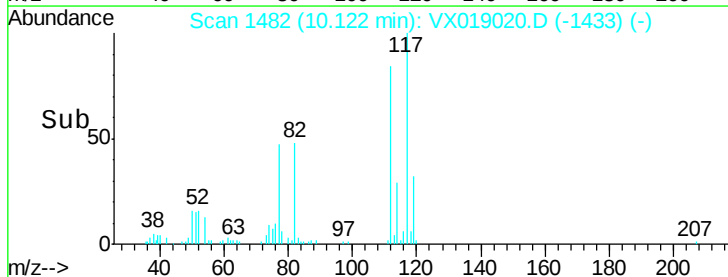
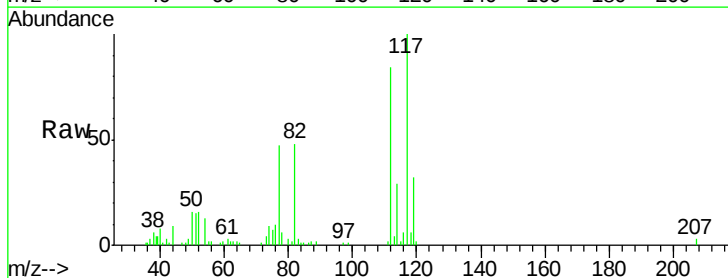
Acq: 22 Oct 2020 12:38

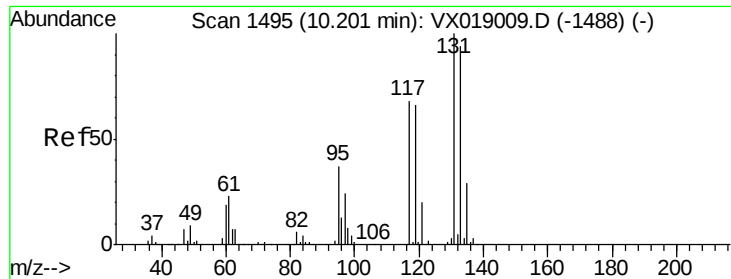
Tgt Ion:112 Resp: 6492

Ion Ratio Lower Upper

112 100

114 34.6 25.5 38.3





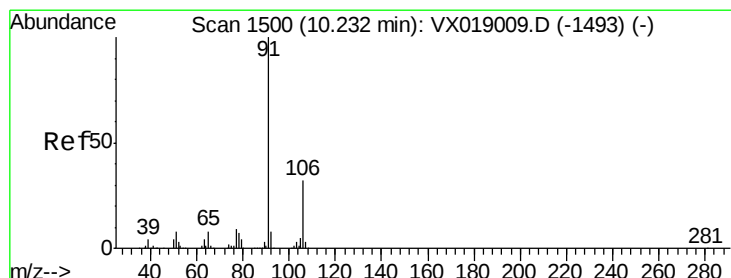
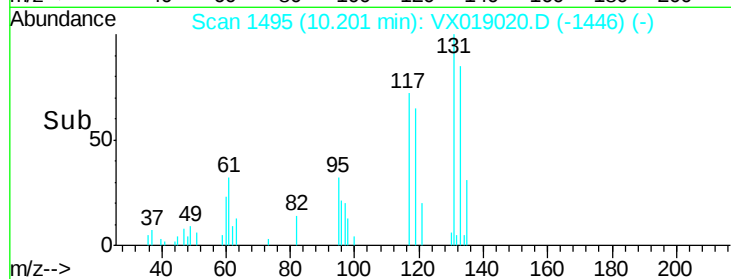
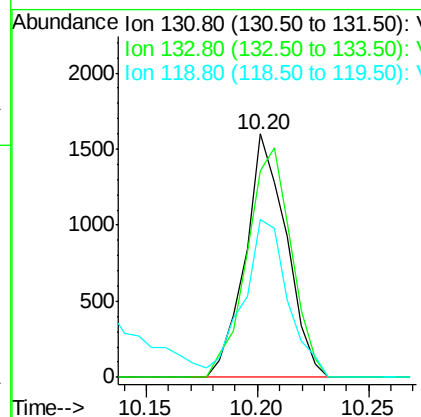
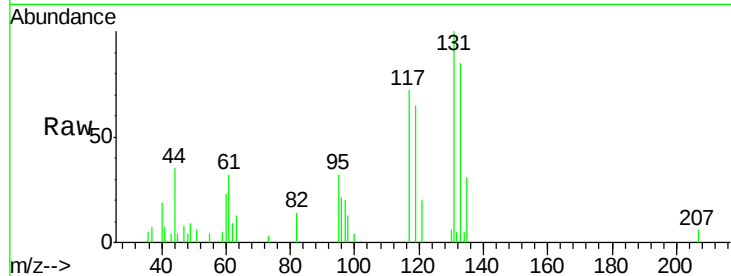
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.763 ug/l
 RT: 10.20 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
131	100		
133	102.6	47.0	141.2
119	0.0	32.9	98.7#

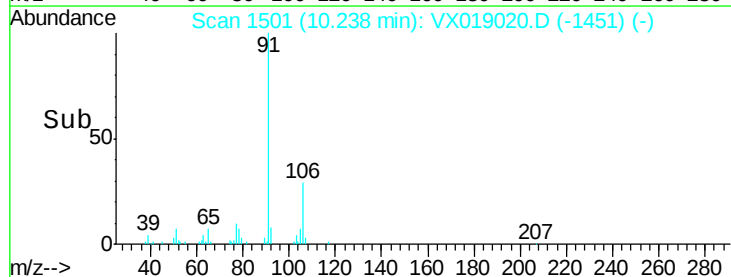
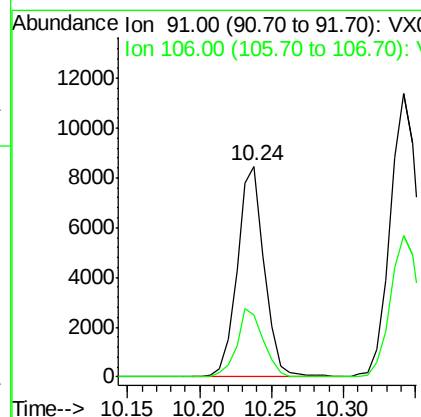
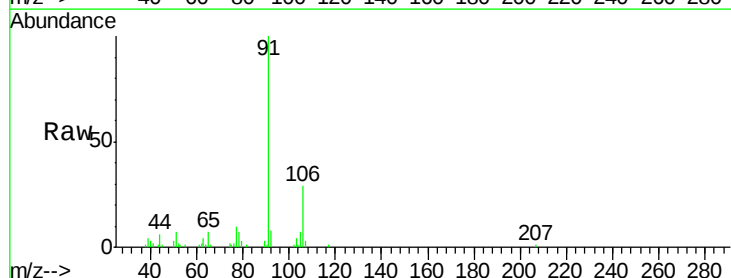
Manual Integrations
 APPROVED

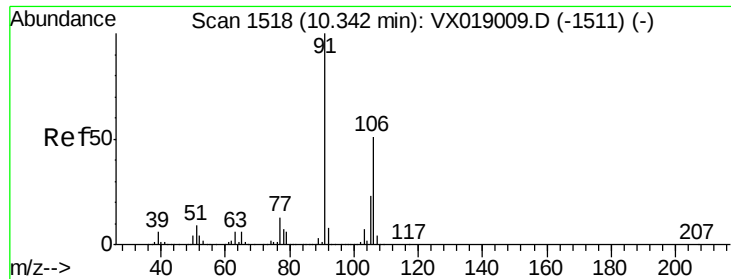
MMDadoda
 10/23/2020 12:05:12 PM



#67
 Ethyl Benzene
 Concen: 0.854 ug/l
 RT: 10.24 min Scan# 1501
 Delta R.T. 0.01 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	25.3	37.9





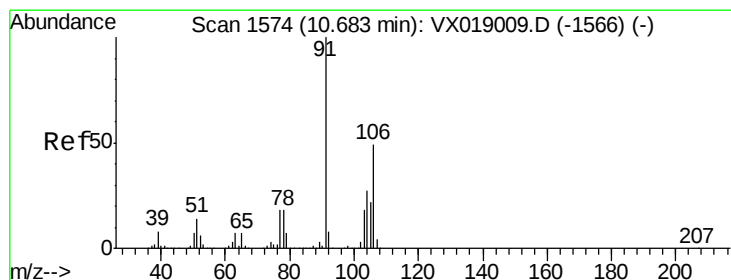
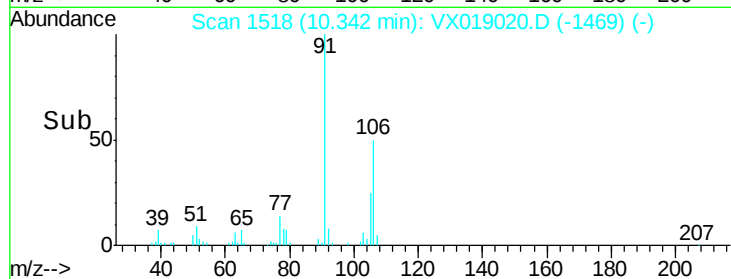
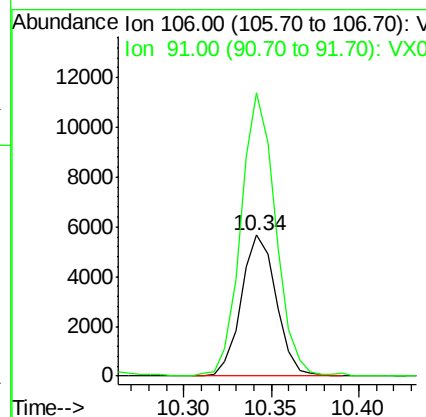
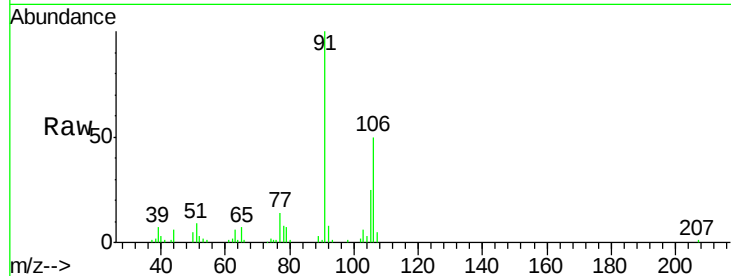
#68
m/p-Xvlenes
Concen: 1.582 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion:106 Resp: 7883
Ion Ratio Lower Upper
106 100
91 199.5 156.9 235.3

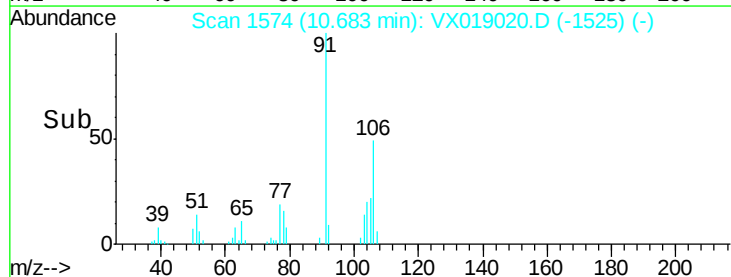
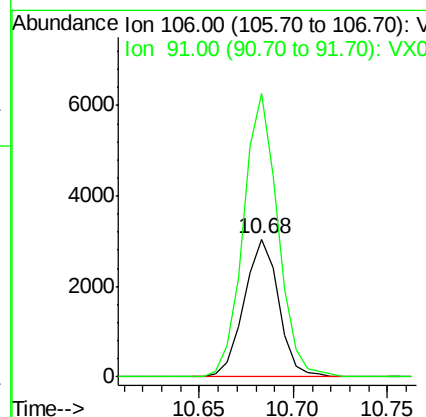
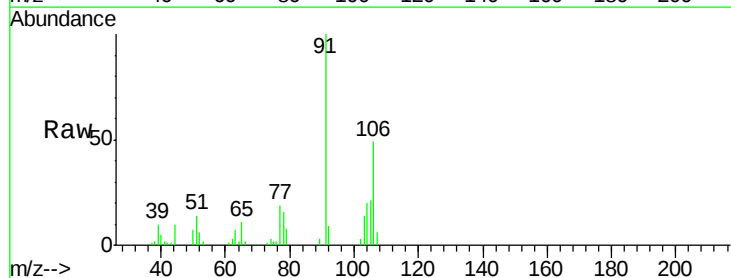
Manual Integrations
APPROVED

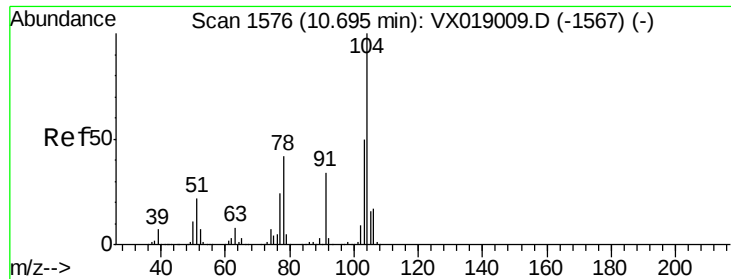
MMDadoda
10/23/2020 12:05:12 PM



#69
o-Xylene
Concen: 0.814 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion:106 Resp: 3883
Ion Ratio Lower Upper
106 100
91 204.8 104.0 312.0





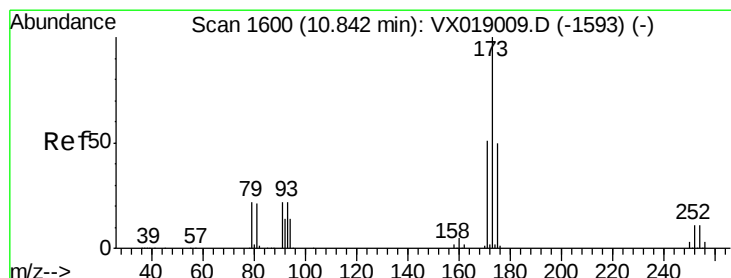
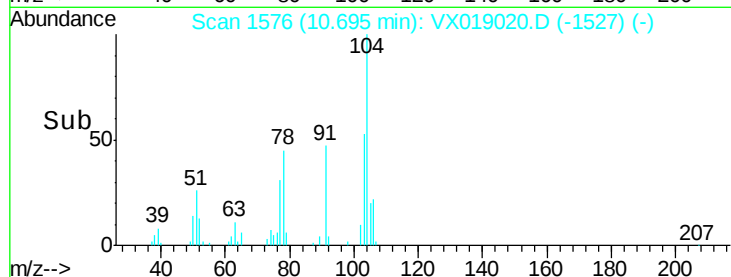
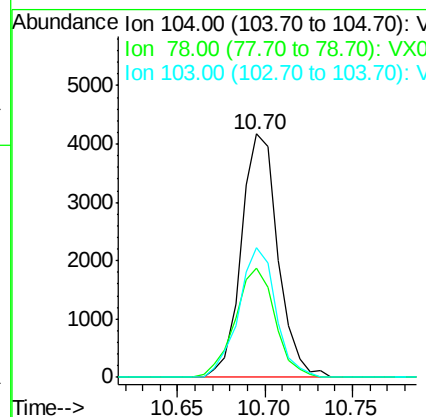
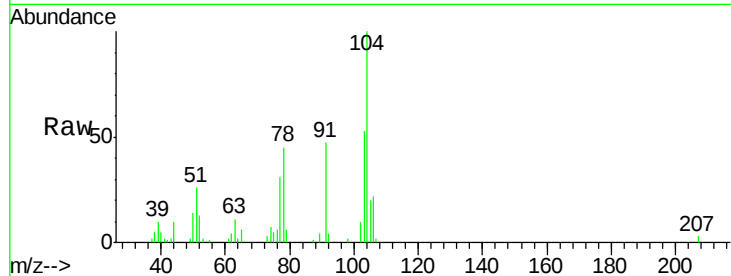
#70
Stvrene
Concen: 0.748 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	37.7	56.5
103	54.3	43.5	65.3

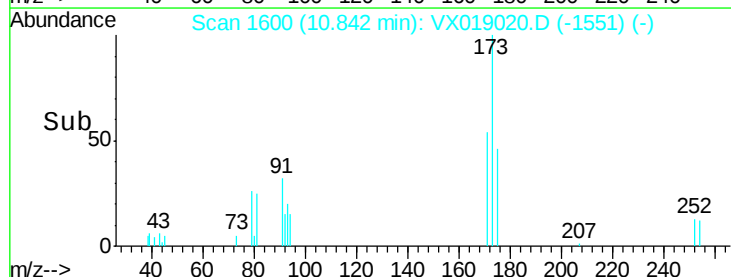
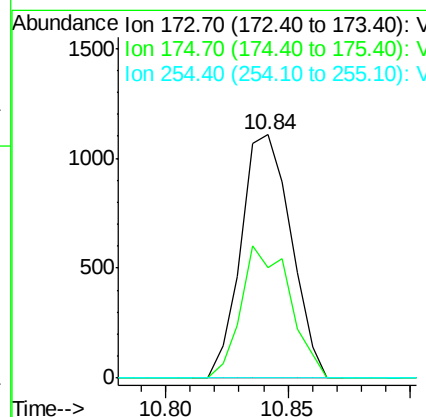
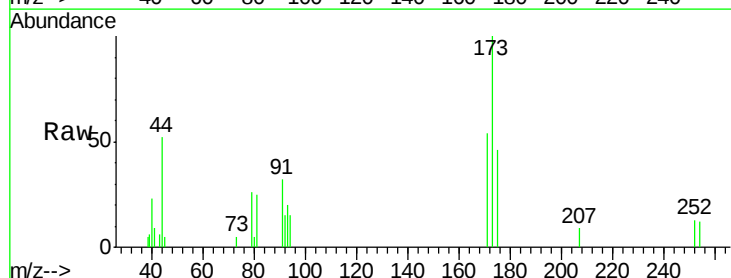
Manual Integrations
APPROVED

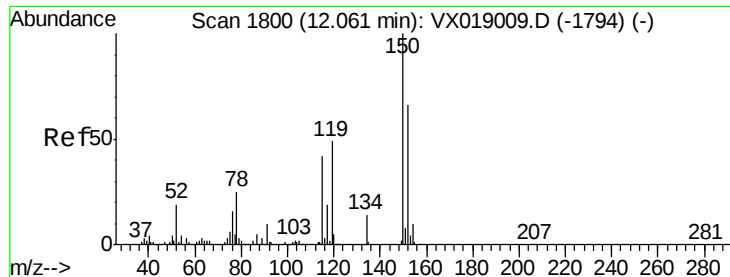
MMDadoda
10/23/2020 12:05:12 PM



#71
Bromoform
Concen: 0.725 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	53.2	24.1	72.4
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

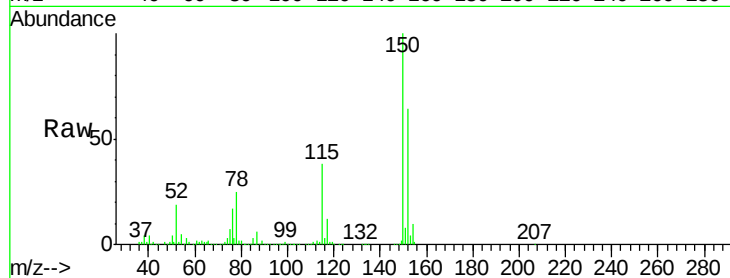
ClientSampleId :

LOQ-WATER-02-QT4-2020

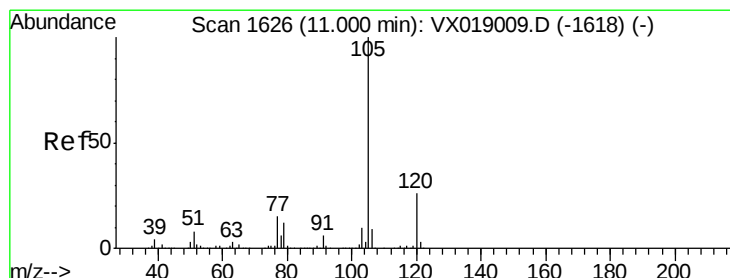
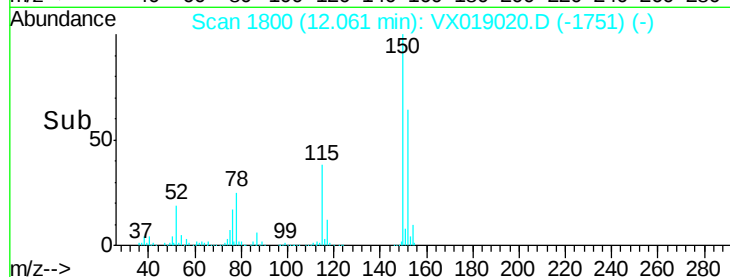
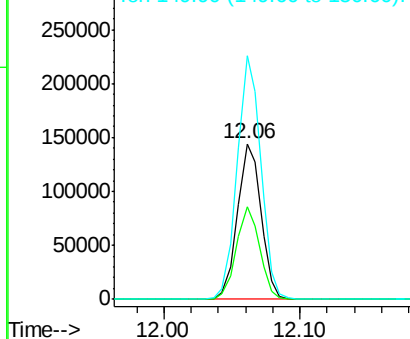
Tot Ion:	152	Resp:	174864
Ion Ratio	Lower	Upper	
152	100		
115	58.9	40.8	122.5
150	156.1	0.0	345.6

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



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: 0.829 ug/l

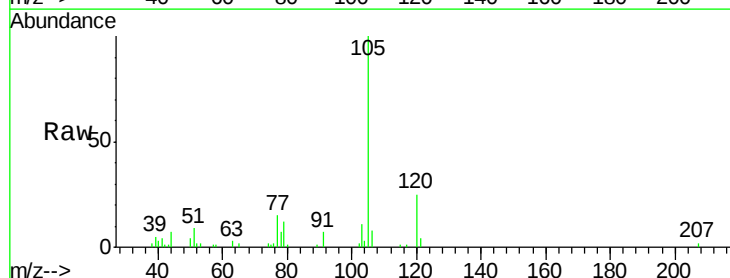
RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

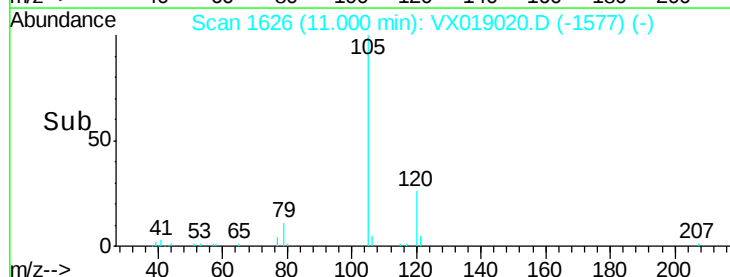
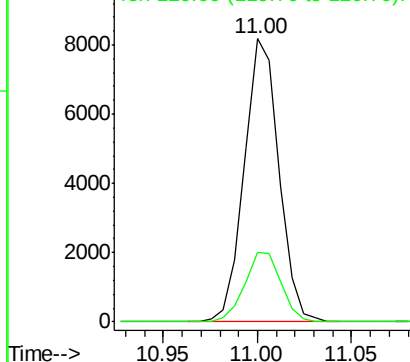
Lab File: VX019020.D

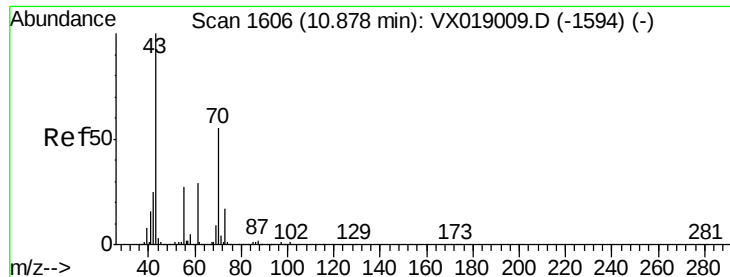
Acq: 22 Oct 2020 12:38

Tgt Ion:	105	Resp:	10430
Ion Ratio	Lower	Upper	
105	100		
120	25.7	13.4	40.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.892 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

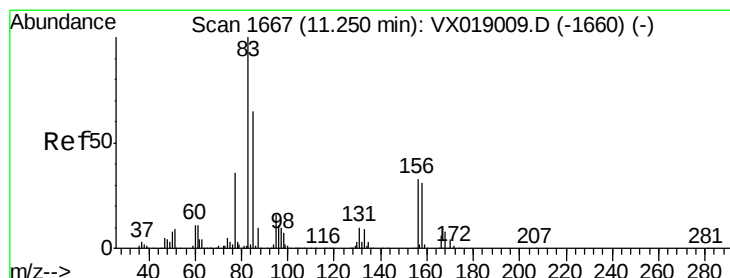
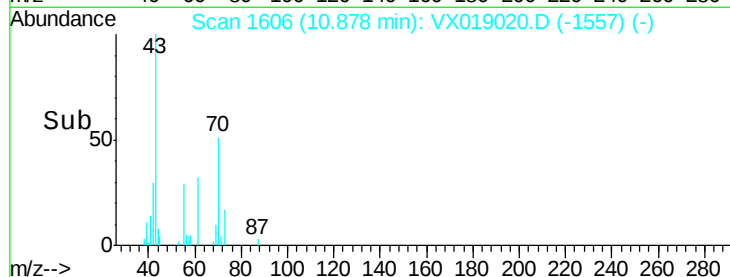
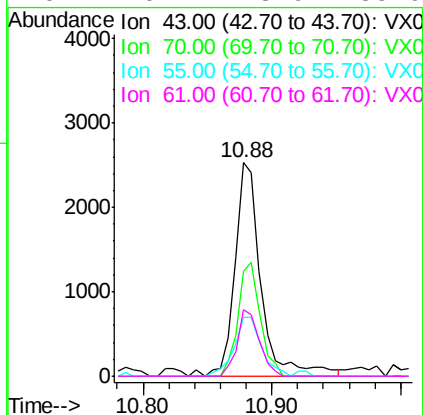
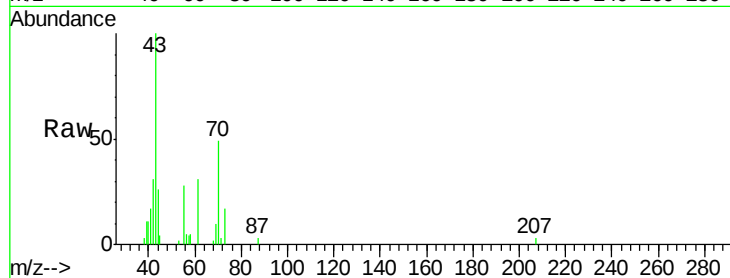
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	43	Resp:	3594
Ion	Ratio	Lower	Upper
43	100		
70	45.3	44.5	66.7
55	29.0	21.9	32.9
61	26.2	23.9	35.9

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 0.885 ug/l

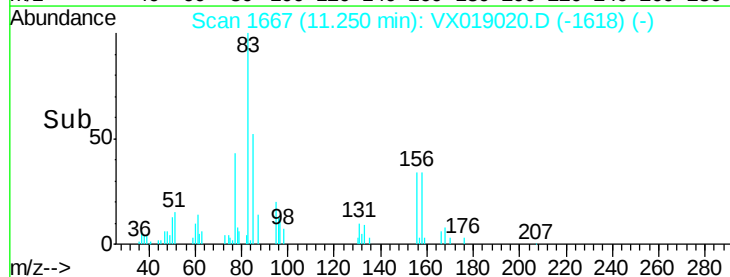
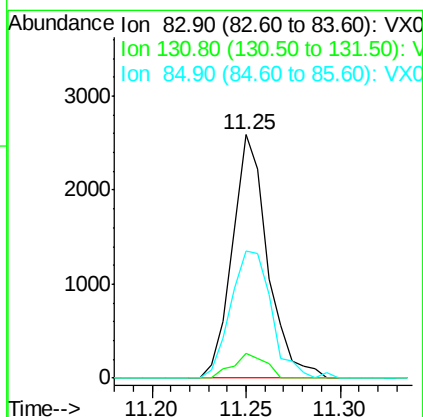
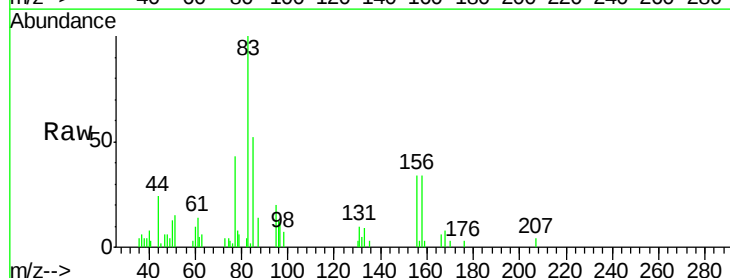
RT: 11.25 min Scan# 1667

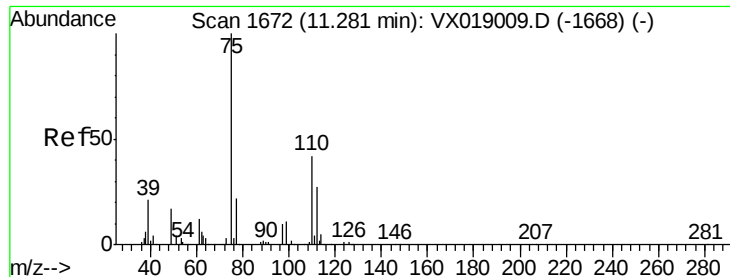
Delta R.T. -0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	83	Resp:	3354
Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.1	15.4
85	60.5	32.3	96.8





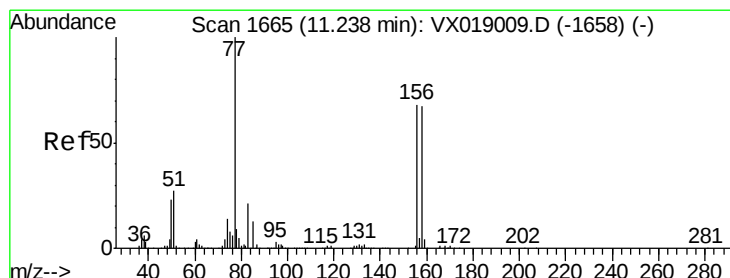
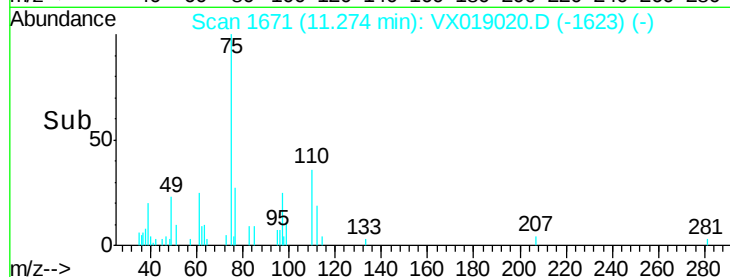
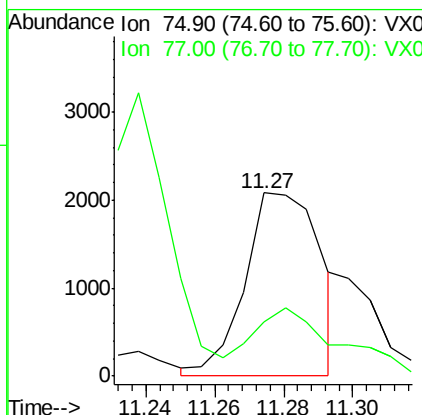
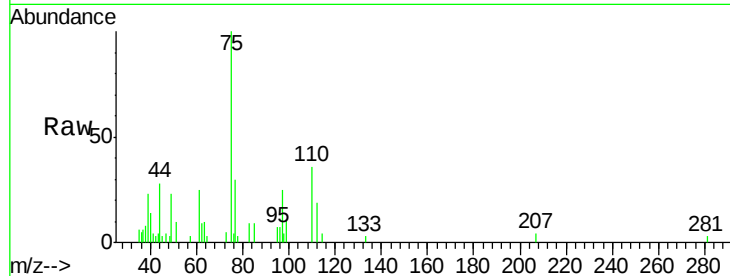
#76
1,2,3-Trichloropropane
Concen: 0.904 ug/l m
RT: 11.27 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion: 75 Resp: 3160
Ion Ratio Lower Upper
75 100
77 42.8 20.7 62.1

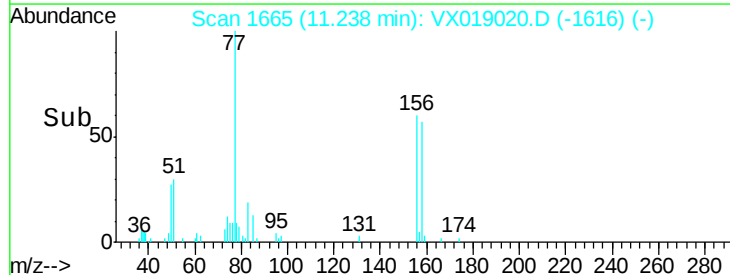
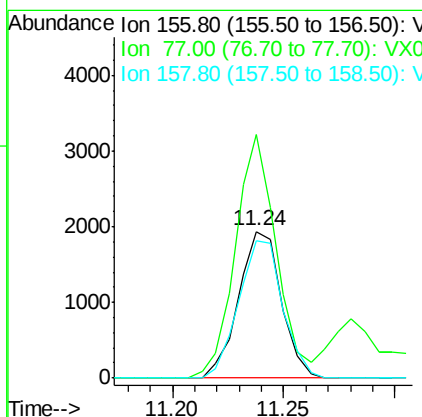
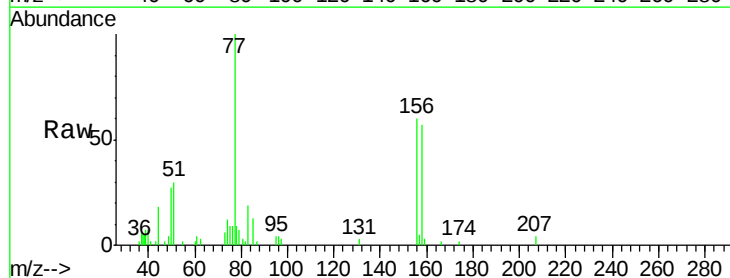
Manual Integrations
APPROVED

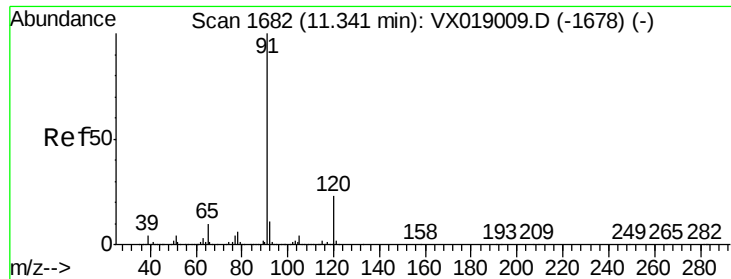
MMDadoda
10/23/2020 12:05:12 PM



#77
Bromobenzene
Concen: 0.817 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion: 156 Resp: 2594
Ion Ratio Lower Upper
156 100
77 158.4 74.4 223.1
158 96.8 48.8 146.3





#78

n-propylbenzene

Concen: 0.833 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion: 91 Resp: 11873

Ion Ratio Lower Upper

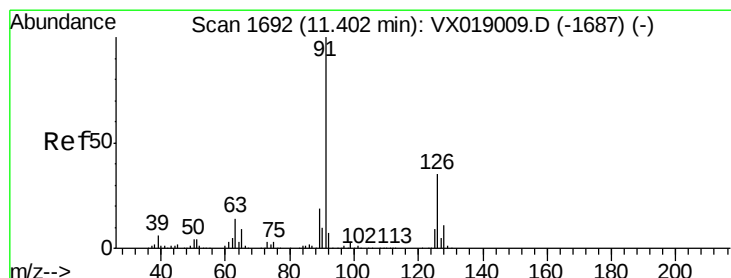
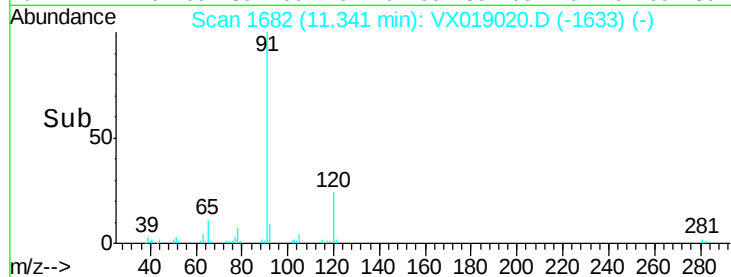
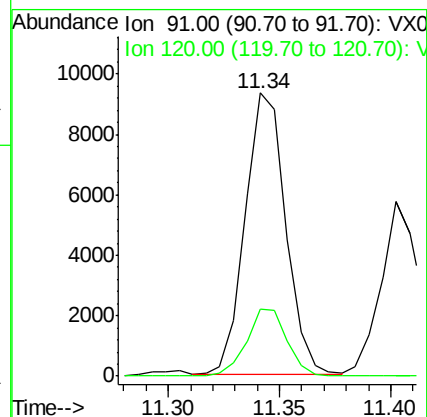
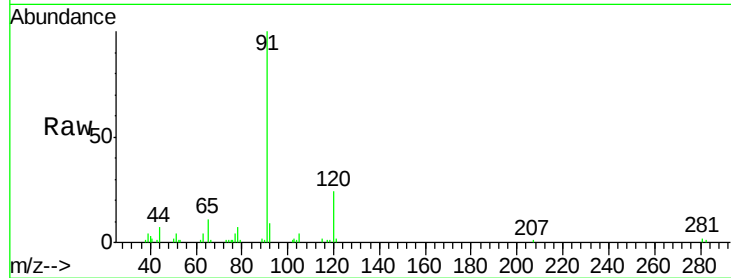
91 100

120 23.6 12.1 36.3

Manual Integrations
APPROVED

MMDadoda

10/23/2020 12:05:12 PM



#79

2-Chlorotoluene

Concen: 0.859 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019020.D

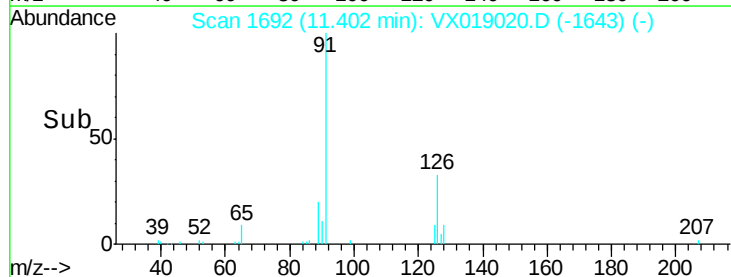
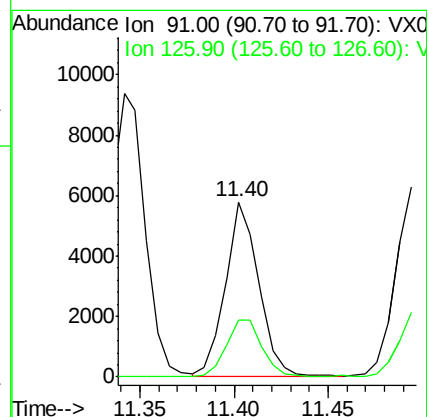
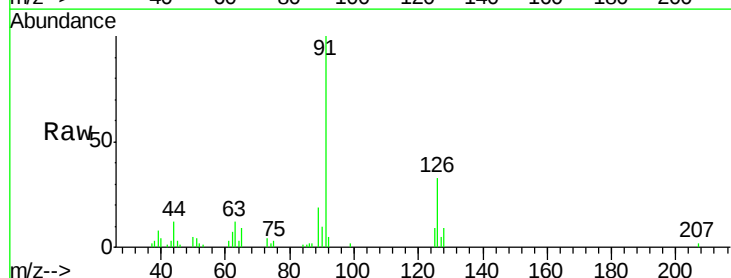
Acq: 22 Oct 2020 12:38

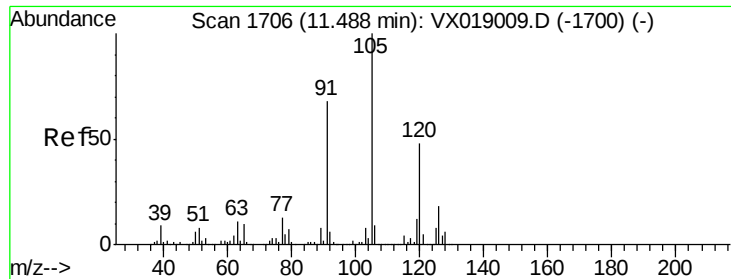
Tgt Ion: 91 Resp: 7142

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5





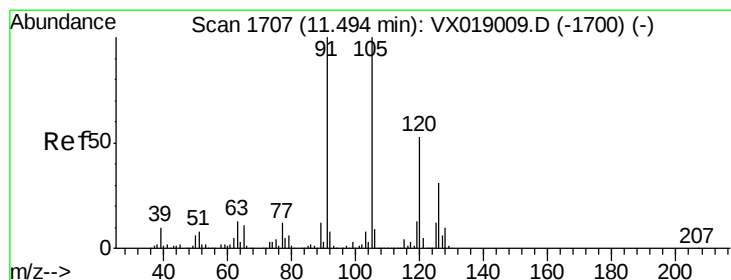
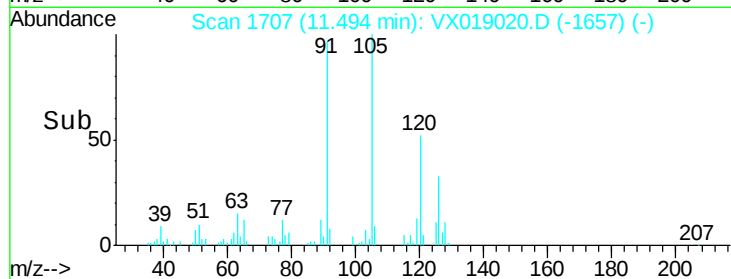
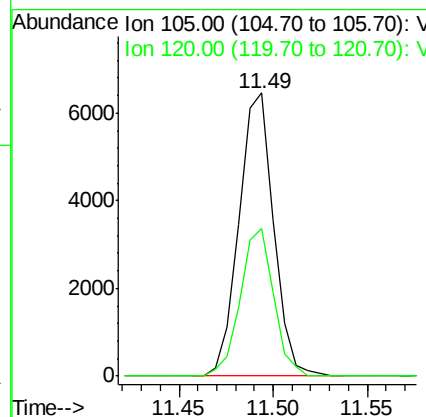
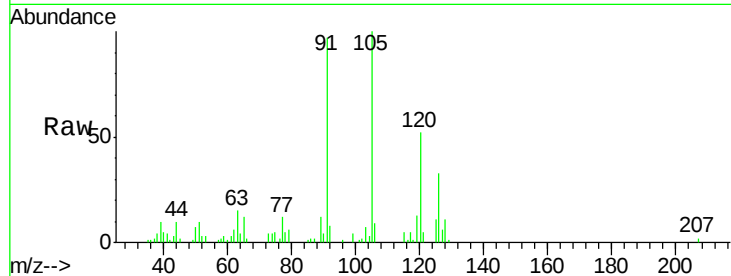
#80
 1,3,5-Trimethylbenzene
 Concen: 0.794 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion:105 Resp: 8247
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.2 75.6

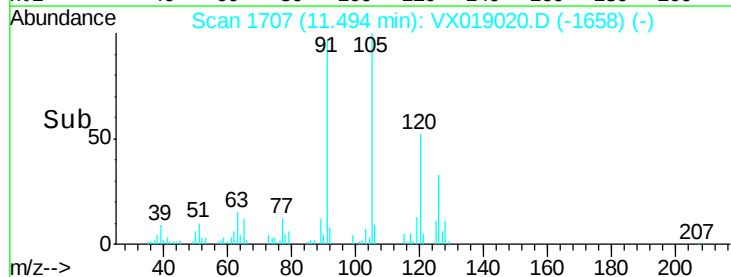
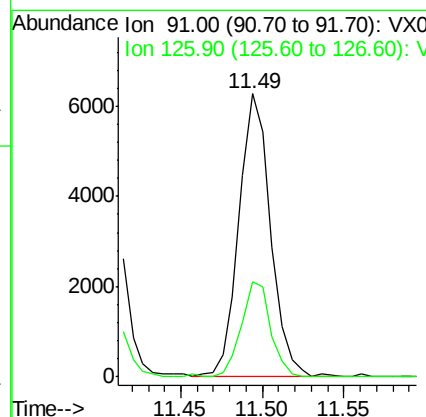
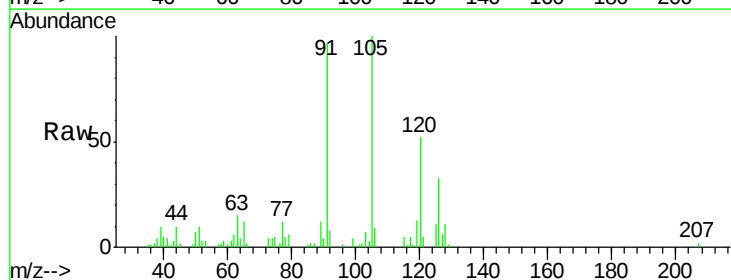
Manual Integrations
 APPROVED

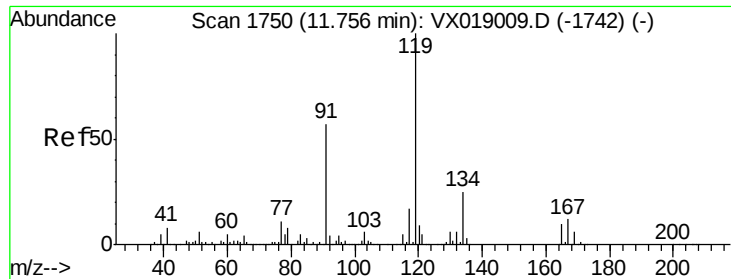
MMDadoda
 10/23/2020 12:05:12 PM



#82
 4-Chlorotoluene
 Concen: 0.860 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Tgt Ion: 91 Resp: 8514
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.6 46.7





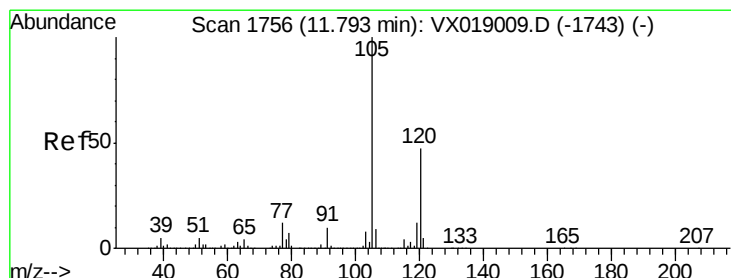
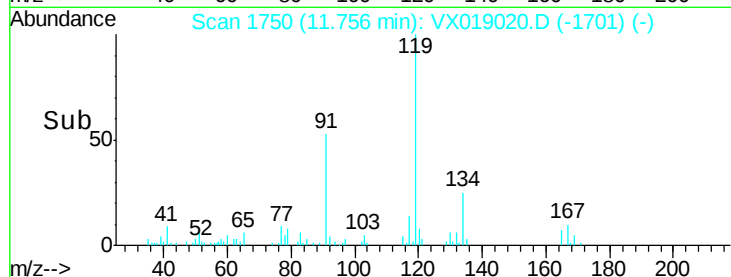
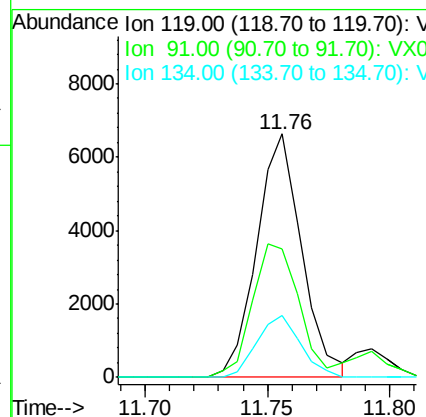
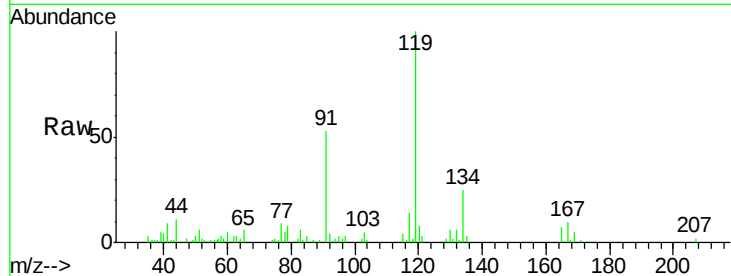
#83
 tert-Butylbenzene
 Concen: 0.831 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8508		
91	56.6		28.1	84.4
134	24.5		11.8	35.3

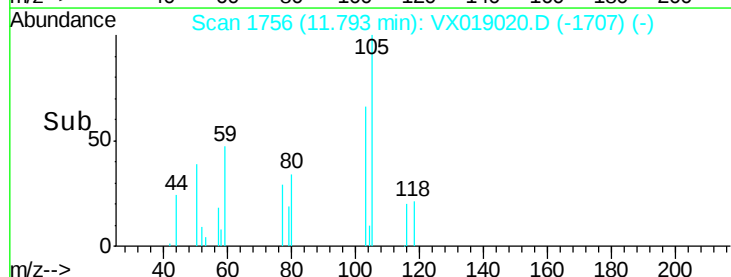
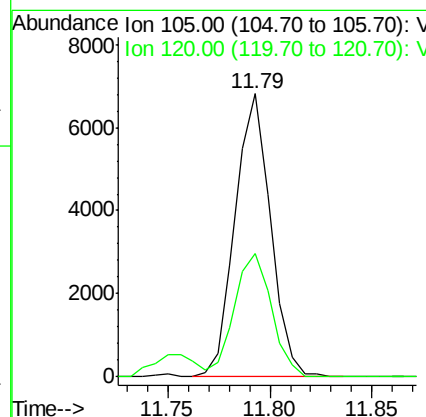
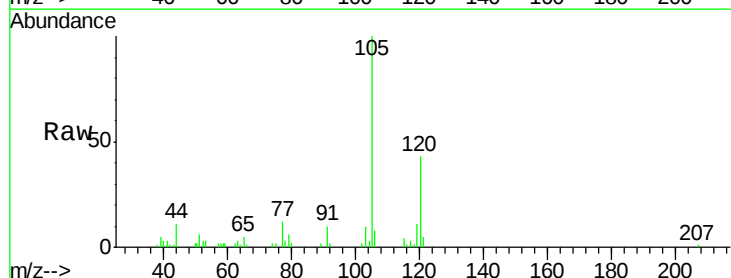
Manual Integrations
 APPROVED

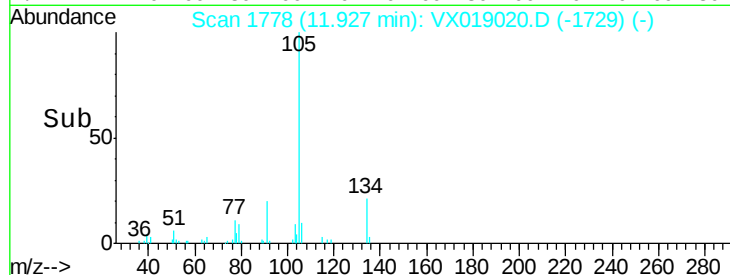
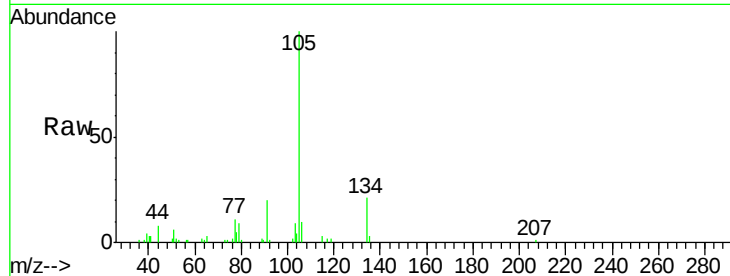
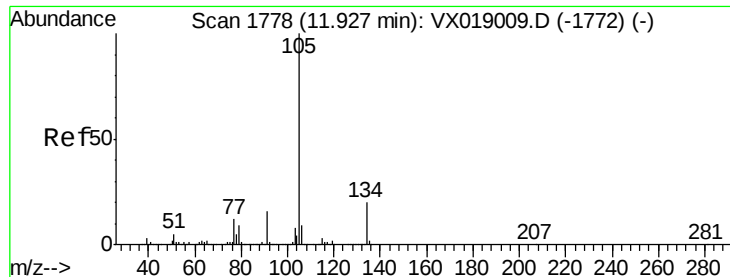
MMDadoda
 10/23/2020 12:05:12 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.789 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	8206		
120	45.6		22.9	68.8





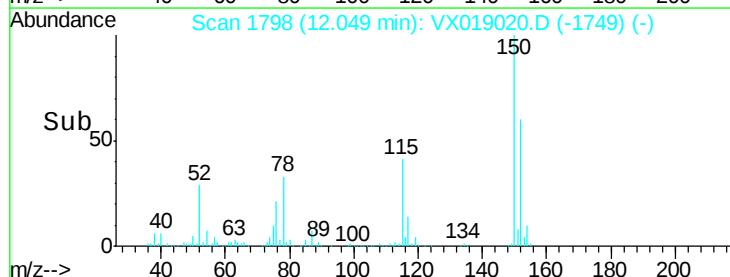
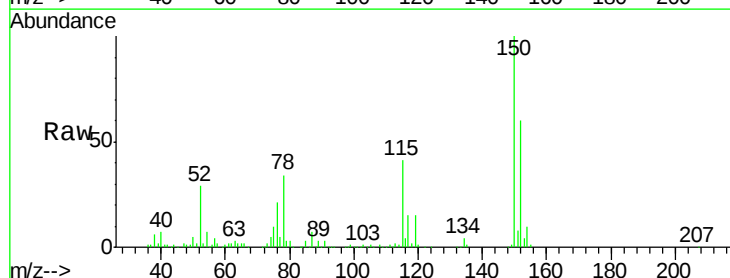
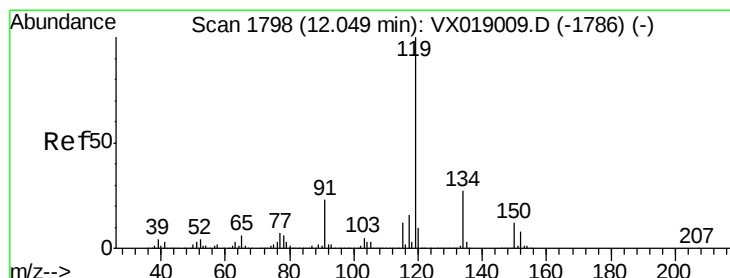
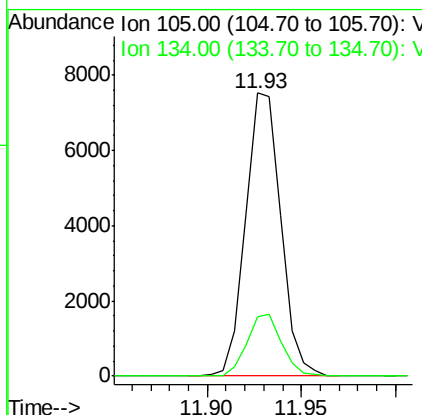
#85
 sec-Butylbenzene
 Concen: 0.788 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.4	31.1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

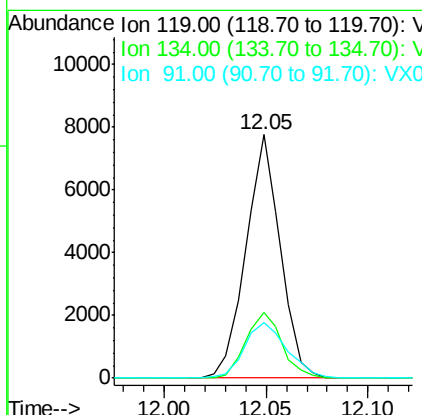
Manual Integrations
 APPROVED

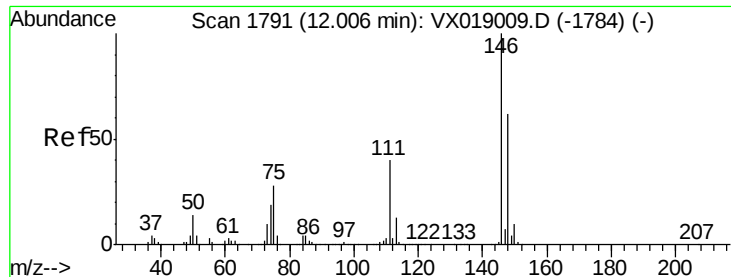
MMDadoda
 10/23/2020 12:05:12 PM



#86
 p-Isopropyltoluene
 Concen: 0.801 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.3	13.3	39.8
91	28.2	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 0.893 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

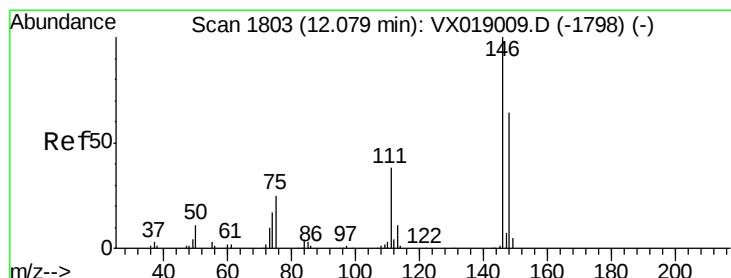
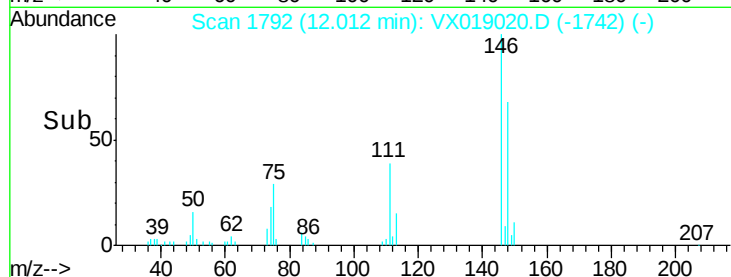
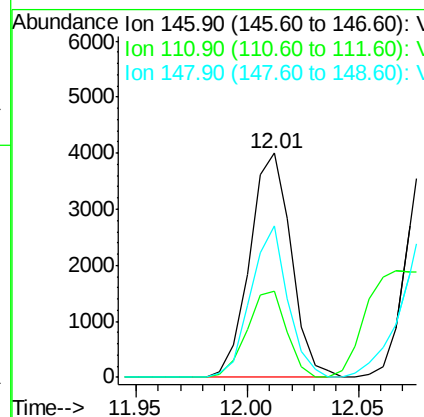
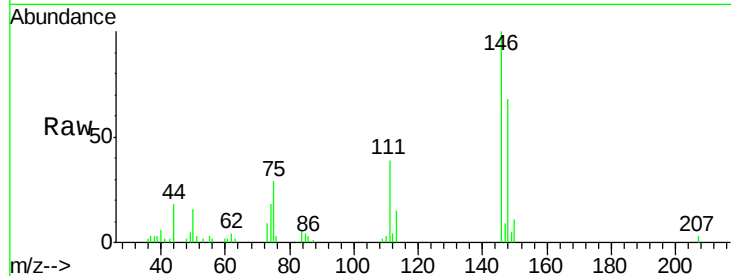
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	146	Resp:	5205
Ion Ratio	Lower	Upper	
146	100		
111	36.6	19.7	59.1
148	60.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#88

1,4-Dichlorobenzene

Concen: 0.891 ug/l m

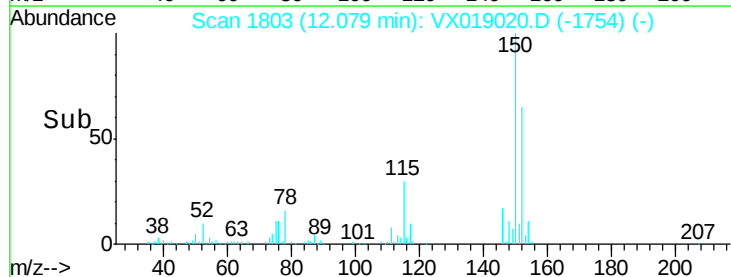
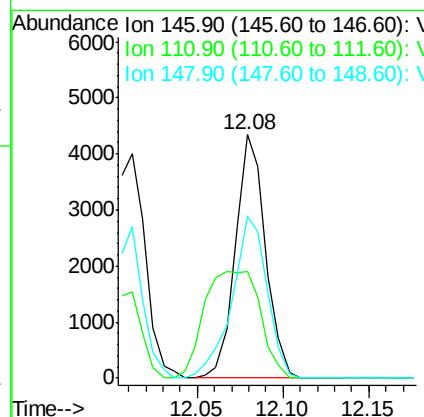
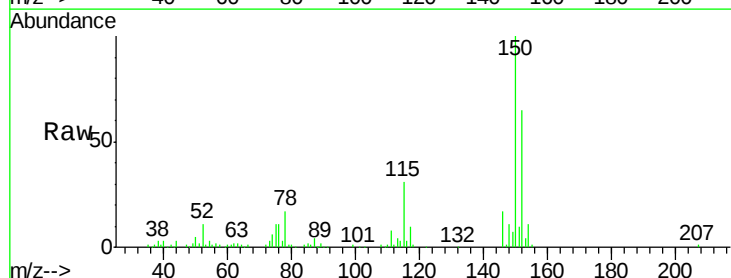
RT: 12.08 min Scan# 1803

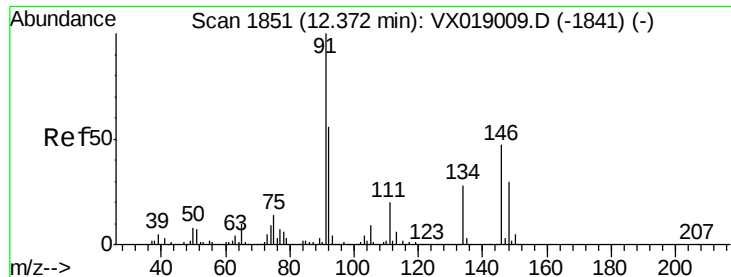
Delta R.T. -0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	146	Resp:	5329
Ion Ratio	Lower	Upper	
146	100		
111	35.7	19.4	58.2
148	59.0	32.2	96.6





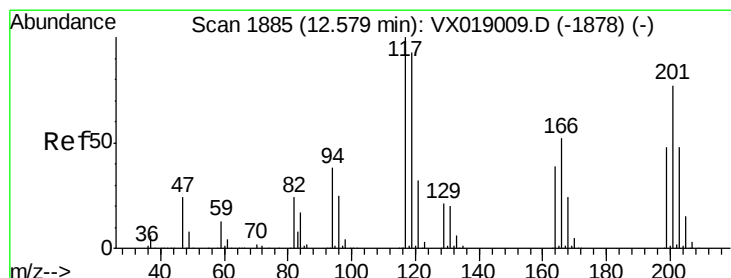
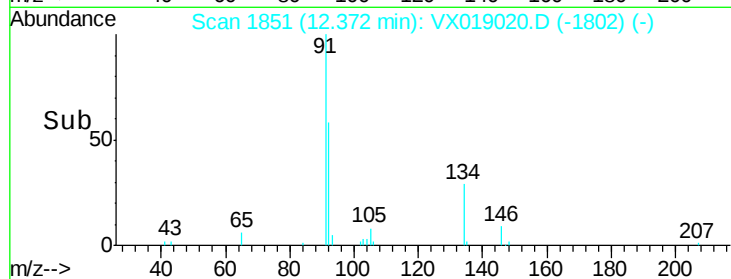
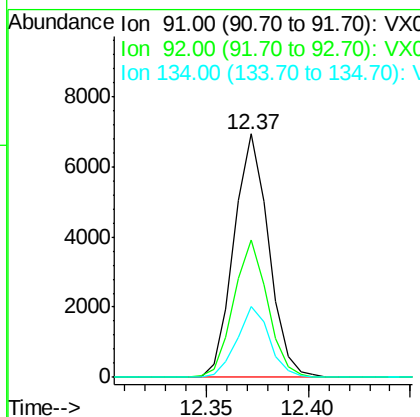
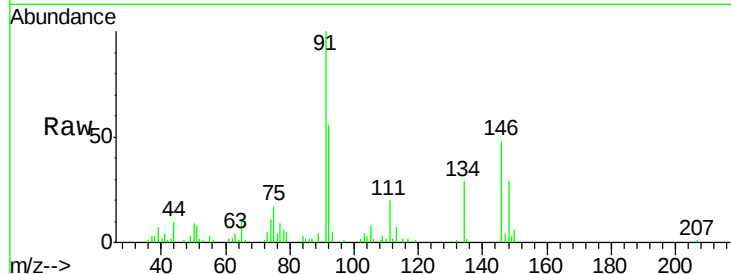
#89
n-Butylbenzene
Concen: 0.787 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.3	81.9
134	27.8	13.6	40.7

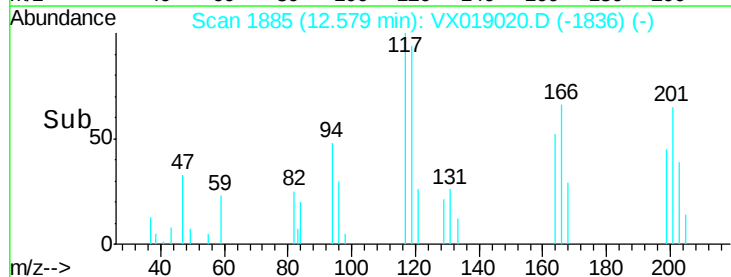
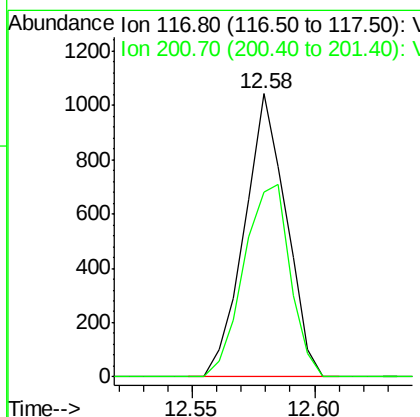
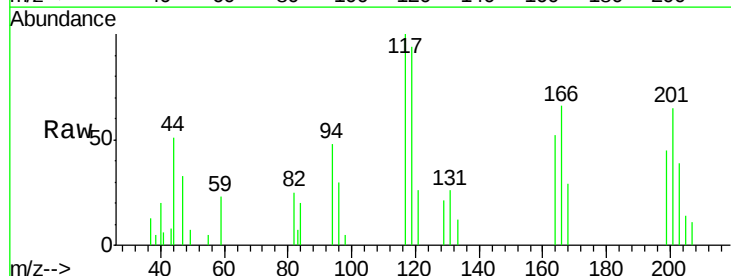
Manual Integrations
APPROVED

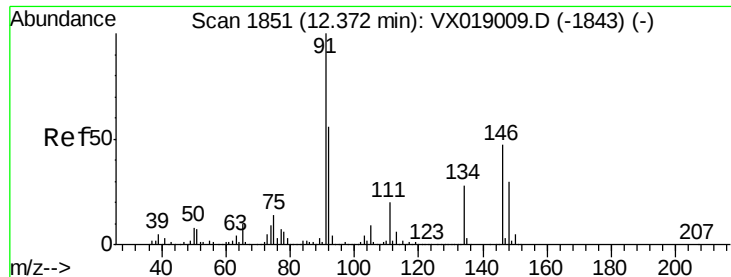
MMDadoda
10/23/2020 12:05:12 PM



#90
Hexachloroethane
Concen: 0.718 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019020.D
Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	37.1	111.3





#91

1,2-Dichlorobenzene

Concen: 0.861 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

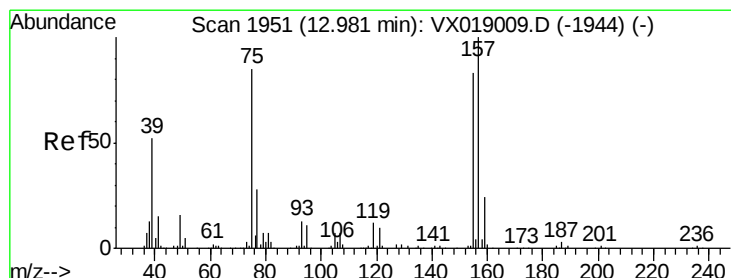
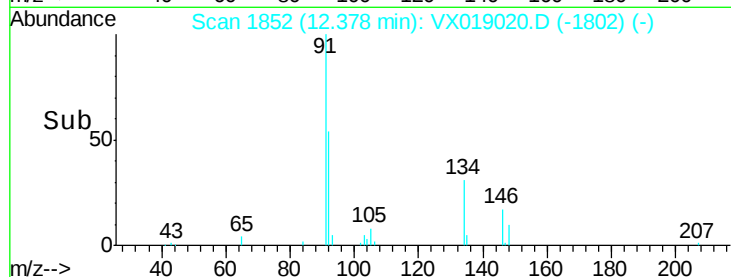
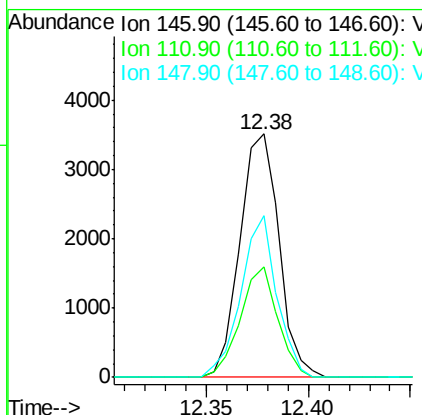
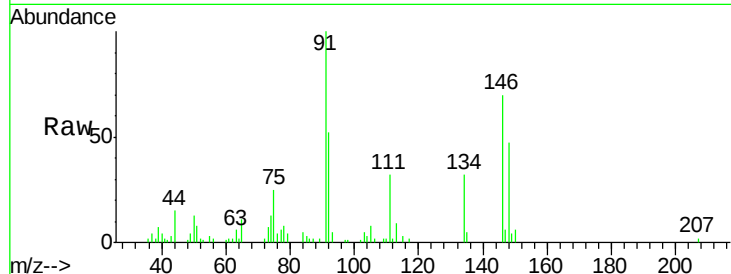
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	146	Resp:	4677
Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.9	59.7
148	61.0	31.4	94.3

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.758 ug/l

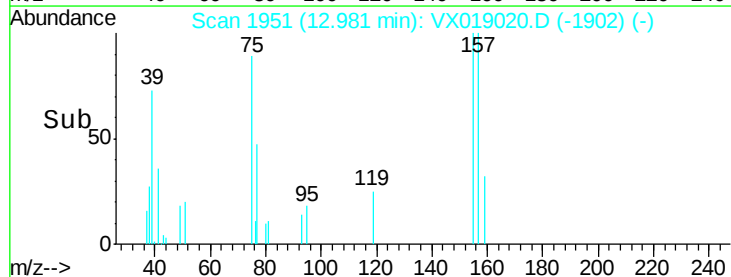
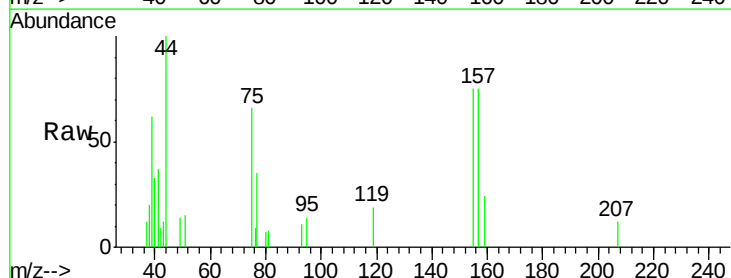
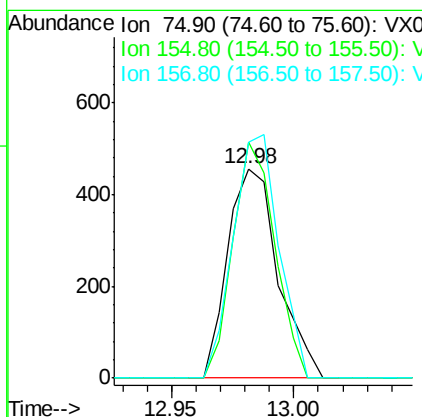
RT: 12.98 min Scan# 1951

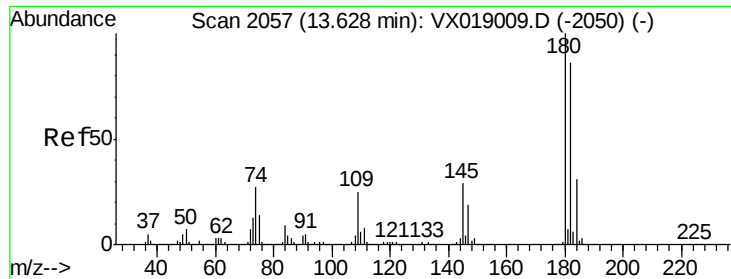
Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	75	Resp:	654
Ion	Ratio	Lower	Upper
75	100		
155	94.0	47.3	142.0
157	105.2	59.7	179.0





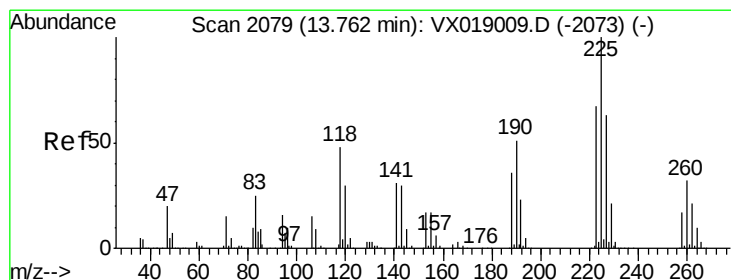
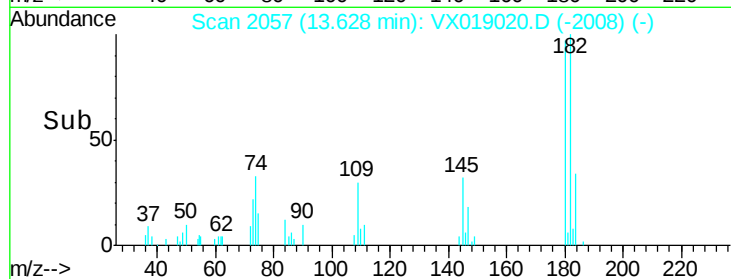
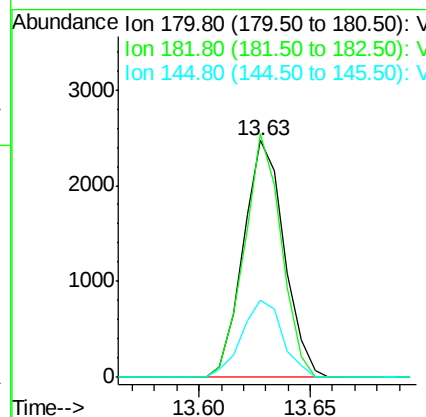
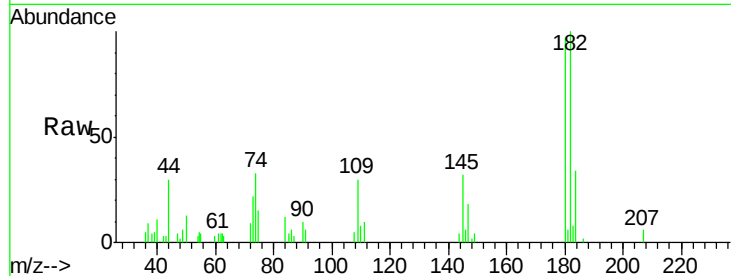
#93
 1,2,4-Trichlorobenzene
 Concen: 0.796 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	46.4	139.2
145	32.7	15.2	45.6

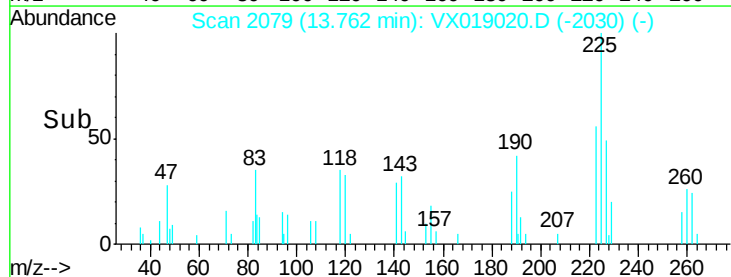
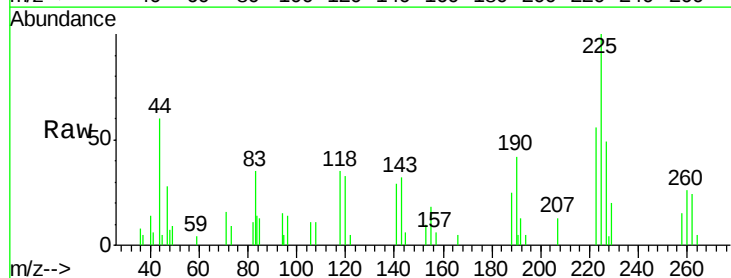
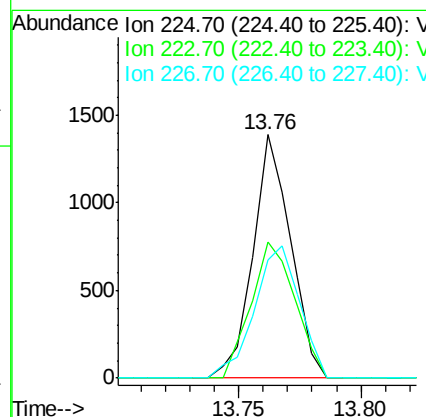
Manual Integrations
 APPROVED

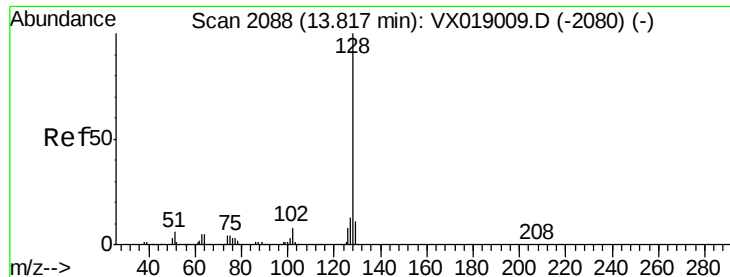
MMDadoda
 10/23/2020 12:05:12 PM



#94
 Hexachlorobutadiene
 Concen: 0.814 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019020.D
 Acq: 22 Oct 2020 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.5	97.4
227	64.9	31.9	95.7





#95

Naphthalene

Concen: 0.738 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Instrument :

MSVOA_X

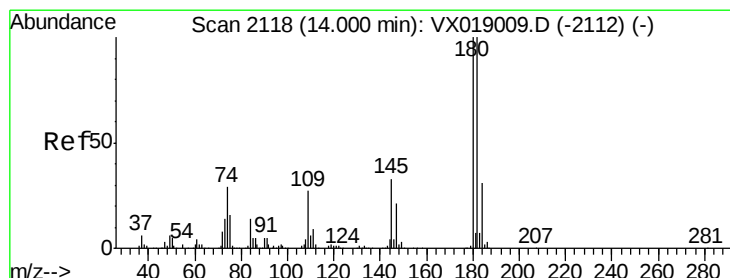
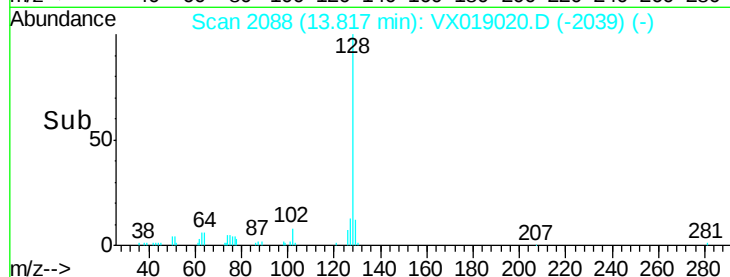
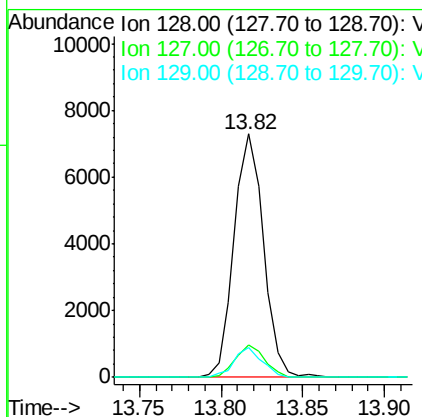
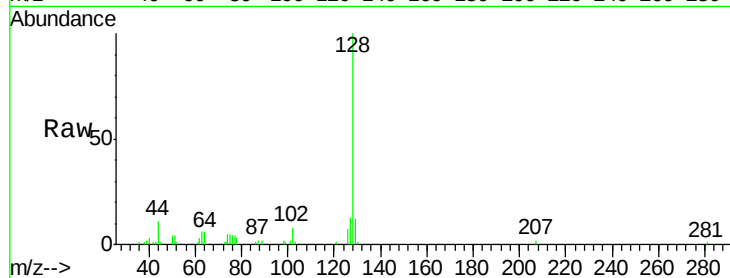
ClientSampleId :

LOQ-WATER-02-QT4-2020

Tot Ion:	128	Resp:	9227
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/23/2020 12:05:12 PM



#96

1,2,3-Trichlorobenzene

Concen: 0.753 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019020.D

Acq: 22 Oct 2020 12:38

Tgt Ion:	180	Resp:	2914
Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.3	142.0
145	34.5	15.9	47.6

