

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO050520\
 Data File : VX016059.D
 Acq On : 05 May 2020 13:26
 Operator : JC/SP
 Sample : L2182-08 5.0PPB LOQ
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:27:30 PM

Quant Time: May 06 06:41:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:20:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	286439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	459535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	422594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211375	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	185308	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	5.47	113	140089	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.70	98	551792	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.12	95	207348	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	14629	4.825	ug/l	94
3) Chloromethane	1.31	50	18055	5.128	ug/l	96
4) Vinyl Chloride	1.39	62	18950	5.045	ug/l	98
5) Bromomethane	1.62	94	11348	5.992	ug/l	92
6) Chloroethane	1.70	64	12254	5.361	ug/l	98
7) Trichlorofluoromethane	1.91	101	25491	5.169	ug/l	97
8) Diethyl Ether	2.17	74	10748	5.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	14998	5.271	ug/l	99
10) Methyl Iodide	2.49	142	15577	4.076	ug/l	98
11) Tert butyl alcohol	3.02	59	24577	25.785	ug/l	98
12) 1,1-Dichloroethene	2.36	96	15186	5.100	ug/l	99
13) Acrolein	2.27	56	15135	25.375	ug/l	94
14) Allyl chloride	2.70	41	27434	5.025	ug/l	96
15) Acrylonitrile	3.12	53	49501	25.035	ug/l	99
16) Acetone	2.42	43	43314	25.755	ug/l	99
17) Carbon Disulfide	2.55	76	47286	4.665	ug/l	97
18) Methyl Acetate	2.75	43	20934	5.062	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	53380	5.200	ug/l	100
20) Methylene Chloride	2.84	84	17493	5.046	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	16583	4.998	ug/l	98
22) Diisopropyl ether	3.83	45	52649	5.112	ug/l	91
23) Vinyl Acetate	3.79	43	226803	25.029	ug/l	99
24) 1,1-Dichloroethane	3.67	63	29806	5.173	ug/l	96
25) 2-Butanone	4.64	43	67526	24.917	ug/l	97
26) 2,2-Dichloropropane	4.55	77	25988	4.939	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	19083	5.261	ug/l	97
28) Bromochloromethane	4.98	49	14802	5.634	ug/l	95
29) Tetrahydrofuran	5.10	42	43695	24.333	ug/l	97
30) Chloroform	5.17	83	30326	5.286	ug/l	95
31) Cyclohexane	5.55	56	26867	5.131	ug/l	96
32) 1,1,1-Trichloroethane	5.47	97	27327	5.241	ug/l	98
36) 1,1-Dichloropropene	5.77	75	23083	5.103	ug/l	98
37) Ethyl Acetate	4.79	43	26784	5.109	ug/l	100
38) Carbon Tetrachloride	5.76	117	23572	5.127	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050520\
 Data File : VX016059.D
 Acq On : 05 May 2020 13:26
 Operator : JC/SP
 Sample : L2182-08 5.0PPB LOQ
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:27:30 PM

Quant Time: May 06 06:41:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:20:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	26668	4.895	ug/l	98
40) Benzene	6.12	78	67198	5.077	ug/l	100
41) Methacrylonitrile	5.01	41	14110	4.983	ug/l	99
42) 1,2-Dichloroethane	6.17	62	24570	5.153	ug/l	98
43) Isopropyl Acetate	6.42	43	42105	5.033	ug/l	99
44) Trichloroethene	7.19	130	24778	5.270	ug/l	100
45) 1,2-Dichloropropane	7.49	63	17670	5.276	ug/l	96
46) Dibromomethane	7.64	93	12004	5.274	ug/l	97
47) Bromodichloromethane	7.88	83	22974	4.956	ug/l	98
48) Methyl methacrylate	7.74	41	19015	4.797	ug/l	97
49) 1,4-Dioxane	7.72	88	9568	100.647	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	128706	25.143	ug/l	98
52) Toluene	8.77	92	42680	5.173	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	27056	4.896	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	28446	4.928	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	16688	5.141	ug/l	97
56) Ethyl methacrylate	9.16	69	25472	4.808	ug/l	97
57) 1,3-Dichloropropane	9.35	76	29171	5.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	68999	24.462	ug/l	100
59) 2-Hexanone	9.48	43	97882	24.348	ug/l	99
60) Dibromochloromethane	9.57	129	17659	4.940	ug/l	99
61) 1,2-Dibromoethane	9.65	107	17678	5.028	ug/l	99
64) Tetrachloroethene	9.32	164	27380	5.278	ug/l	98
65) Chlorobenzene	10.12	112	44979	5.083	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	16520	5.051	ug/l	100
67) Ethyl Benzene	10.24	91	79795	5.054	ug/l	98
68) m/p-Xylenes	10.34	106	59258	10.018	ug/l	98
69) o-Xylene	10.68	106	28653	5.039	ug/l	99
70) Styrene	10.70	104	46999	4.872	ug/l	98
71) Bromoform	10.84	173	12635	4.742	ug/l #	99
73) Isopropylbenzene	11.00	105	76867	5.000	ug/l	99
74) N-amyl acetate	10.88	43	34043	4.747	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	11827	4.362	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	24208m	5.047	ug/l	
77) Bromobenzene	11.24	156	19640	4.949	ug/l	99
78) n-propylbenzene	11.34	91	88019	4.921	ug/l	99
79) 2-Chlorotoluene	11.40	91	53196	5.039	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	64150	4.942	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	9101	4.522	ug/l	95
82) 4-Chlorotoluene	11.49	91	62028	4.975	ug/l	100
83) tert-Butylbenzene	11.76	119	55316	4.945	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	64258	4.896	ug/l	99
85) sec-Butylbenzene	11.93	105	73793	4.886	ug/l	100
86) p-Isopropyltoluene	12.05	119	68081	4.855	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	34752	4.877	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	35016	4.842	ug/l	93
89) n-Butylbenzene	12.37	91	59995	4.683	ug/l	97
90) Hexachloroethane	12.58	117	10796	4.483	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	33708	4.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5624	4.449	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050520\
Data File : VX016059.D
Acq On : 05 May 2020 13:26
Operator : JC/SP
Sample : L2182-08 5.0PPB L00
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

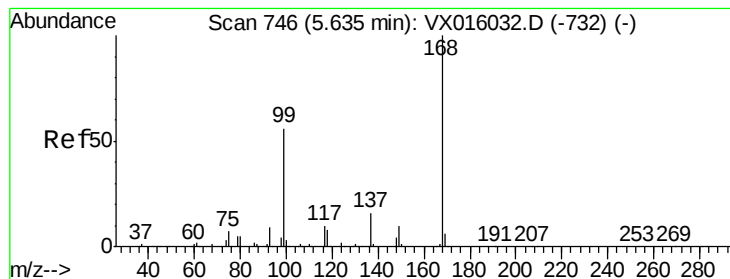
Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM

Quant Time: May 06 06:41:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:20:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	22920	4.512	ug/l	99
94) Hexachlorobutadiene	13.77	225	10968	4.670	ug/l	98
95) Naphthalene	13.82	128	75613	4.597	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	22912	4.615	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:168 Resp: 286439

Ion Ratio Lower Upper

168 100

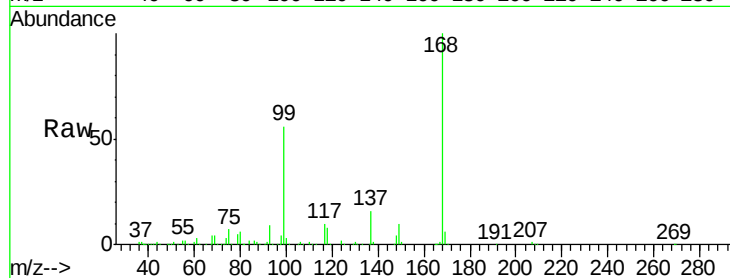
99 56.2 45.0 67.4

Manual Integrations

APPROVED

MMDadoda

5/6/2020 12:27:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

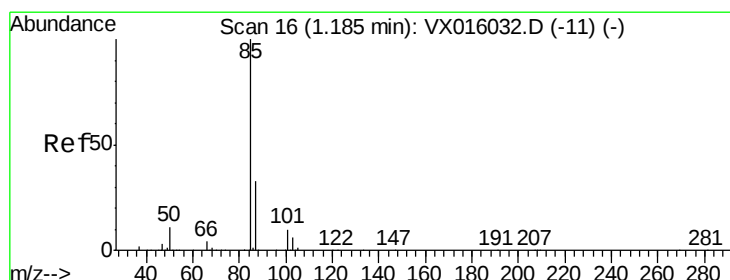
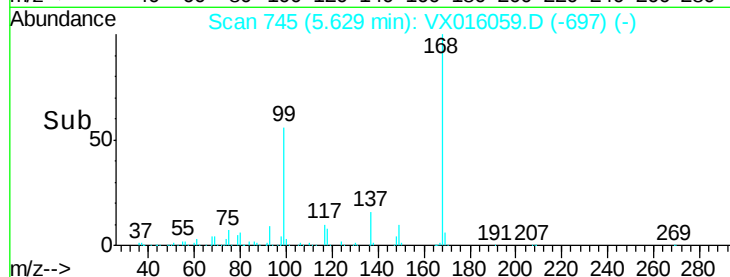
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.825 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016059.D

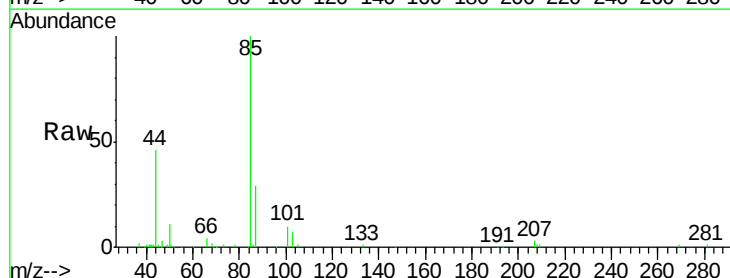
Acq: 05 May 2020 13:26

Tgt Ion: 85 Resp: 14629

Ion Ratio Lower Upper

85 100

87 29.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

15000

10000

5000

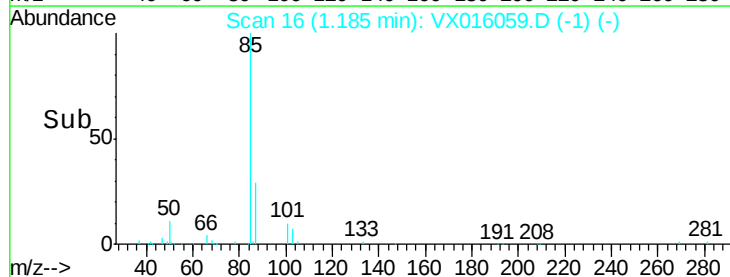
0

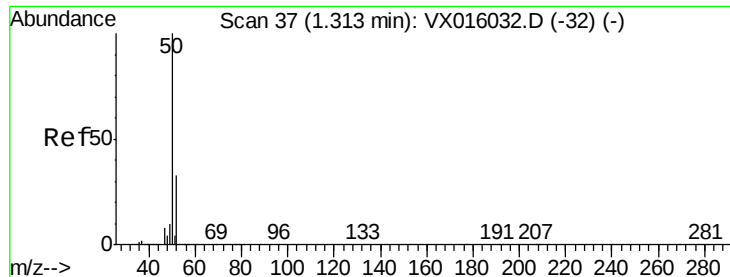
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 5.128 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 50 Resp: 18055

Ion Ratio Lower Upper

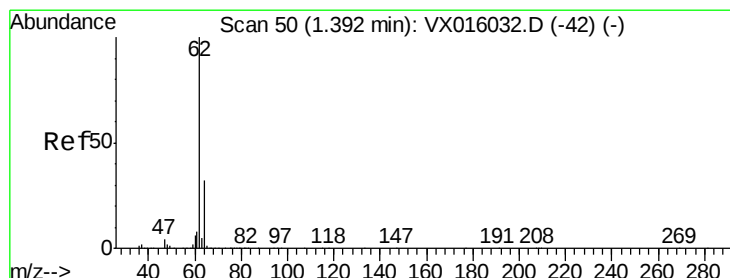
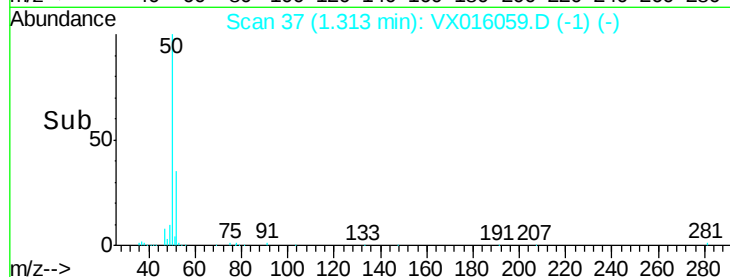
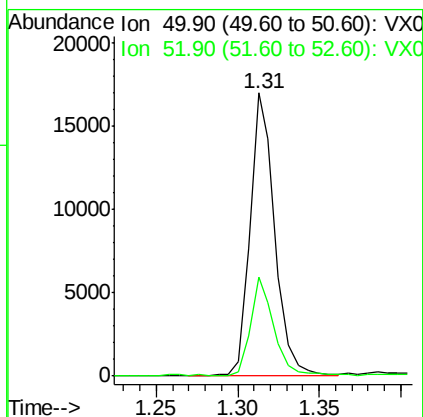
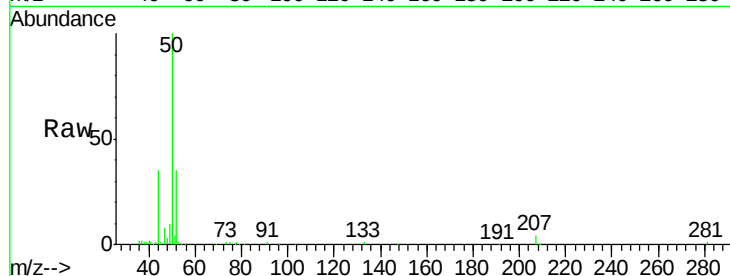
50 100

52 34.6 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

5/6/2020 12:27:30 PM



#4

Vinyl Chloride

Concen: 5.045 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016059.D

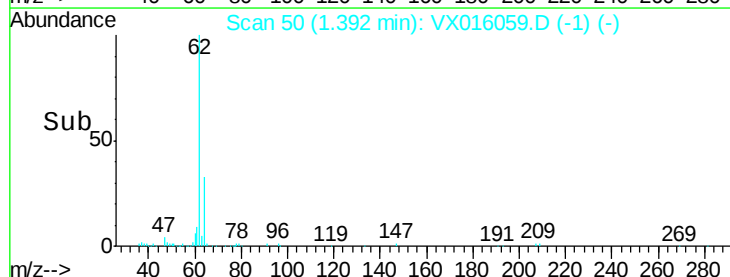
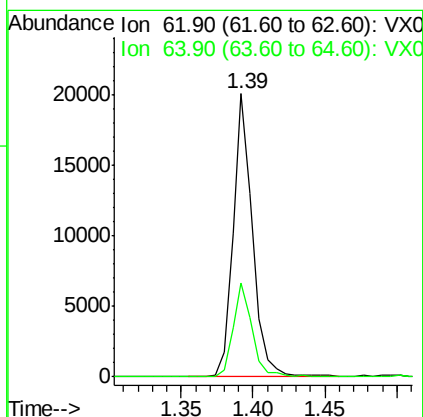
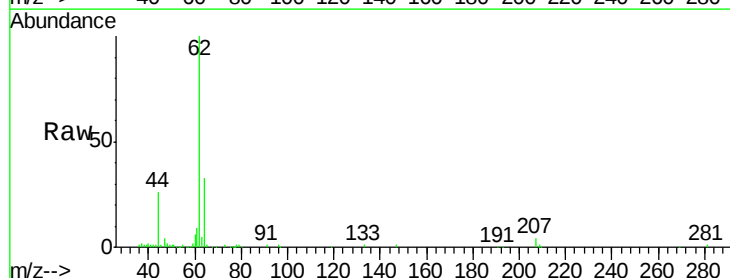
Acq: 05 May 2020 13:26

Tgt Ion: 62 Resp: 18950

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5





#5

Bromomethane

Concen: 5.992 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 94 Resp: 11348

Ion Ratio Lower Upper

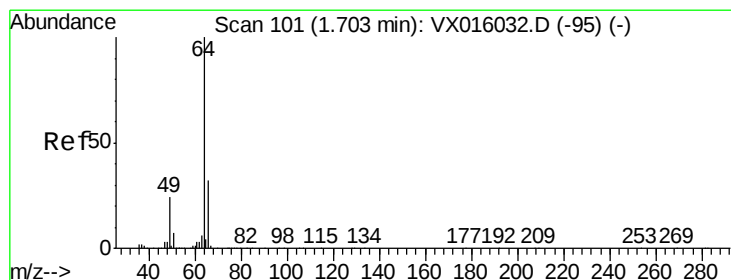
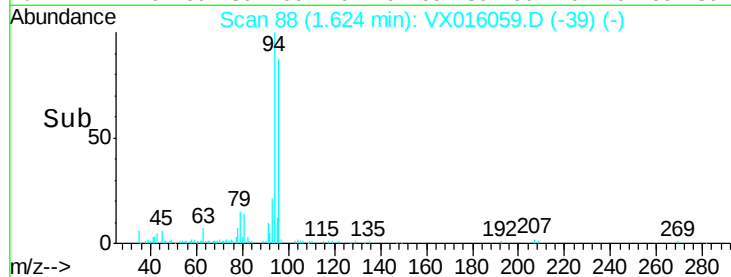
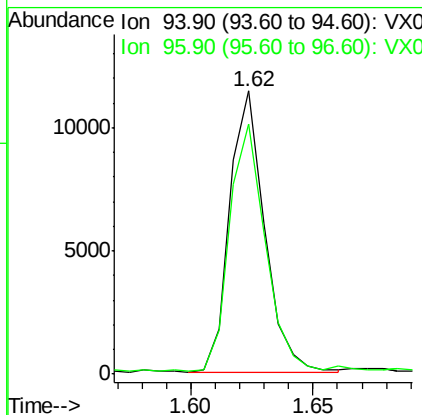
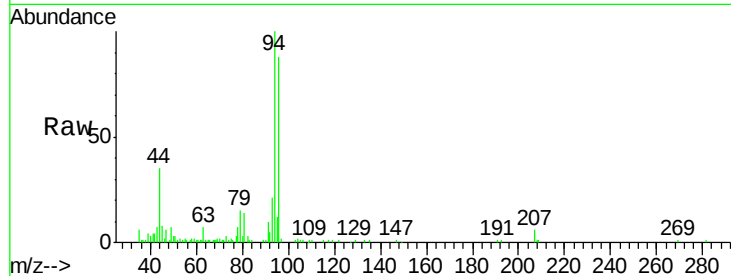
94 100

96 87.8 76.9 115.3

Manual Integrations
APPROVED

MMDadoda

5/6/2020 12:27:30 PM



#6

Chloroethane

Concen: 5.361 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016059.D

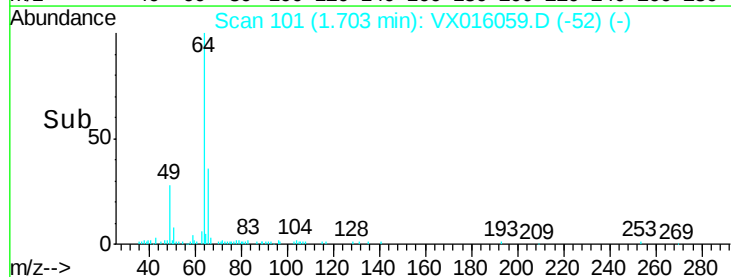
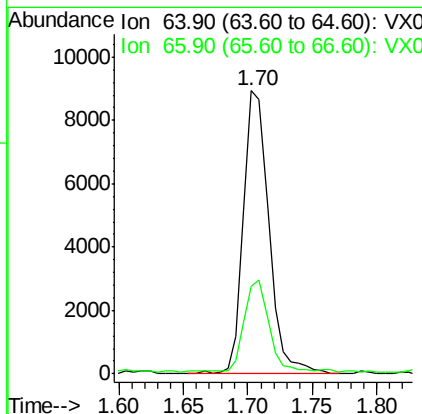
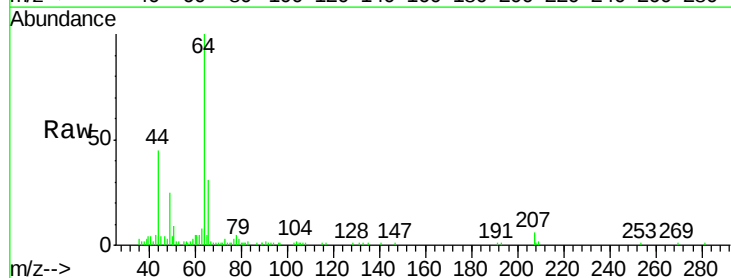
Acq: 05 May 2020 13:26

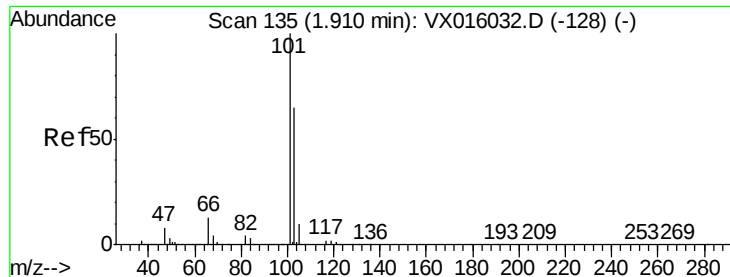
Tgt Ion: 64 Resp: 12254

Ion Ratio Lower Upper

64 100

66 30.3 25.2 37.8





#7

Trichlorofluoromethane

Concen: 5.169 ug/l

RT: 1.91 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:101 Resp: 25491

Ion Ratio Lower Upper

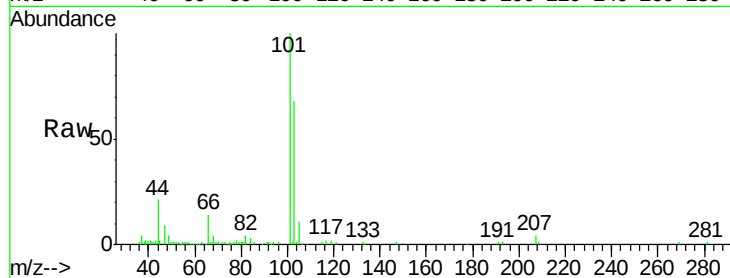
101 100

103 66.9 51.8 77.6

Manual Integrations
APPROVED

MMDadoda

5/6/2020 12:27:30 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

20000

15000

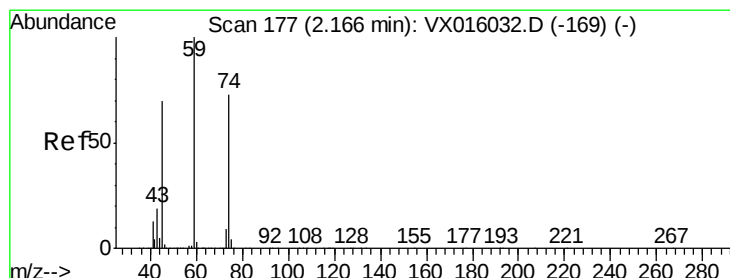
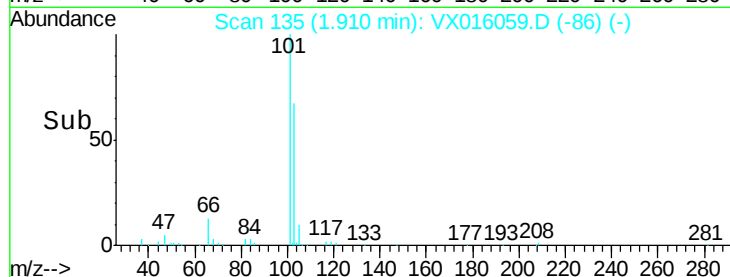
10000

5000

0

1.85 1.90 1.95 2.00

Time-->



#8

Diethyl Ether

Concen: 5.172 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX016059.D

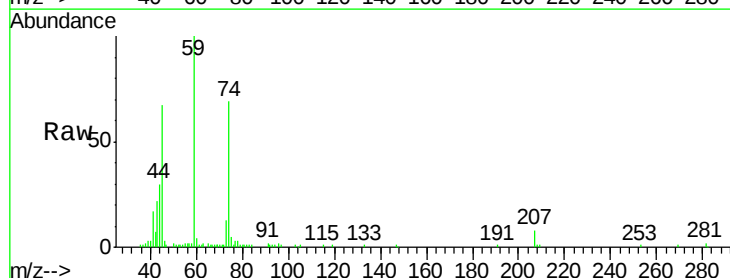
Acq: 05 May 2020 13:26

Tgt Ion: 74 Resp: 10748

Ion Ratio Lower Upper

74 100

45 94.7 47.3 142.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

8000

6000

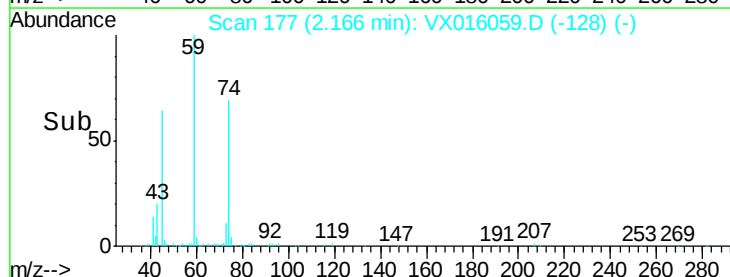
4000

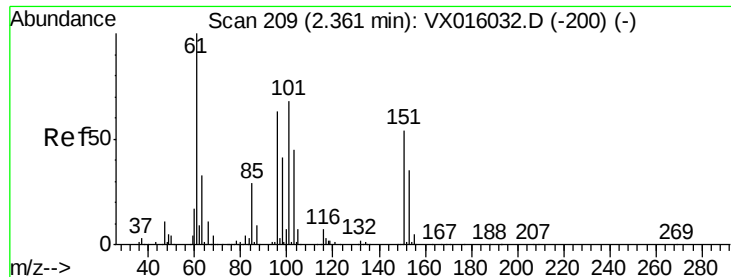
2000

0

2.10 2.15 2.20 2.25

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.271 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

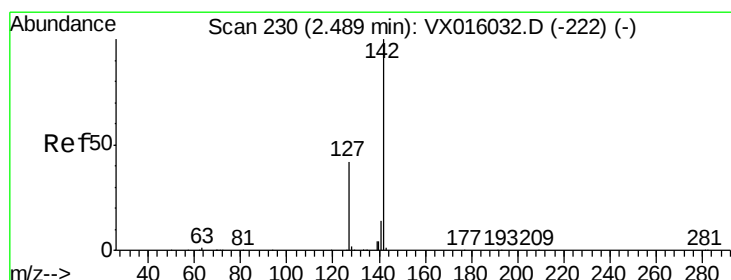
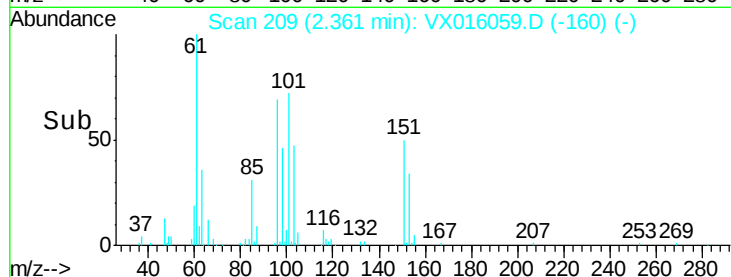
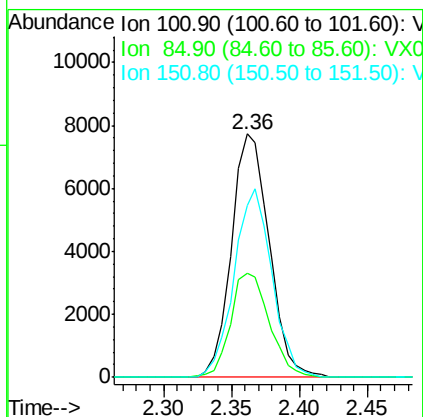
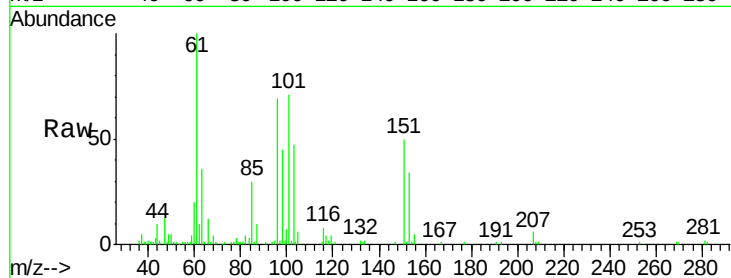
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	101	Resp:	14998
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	77.4	62.1	93.1

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#10

Methyl Iodide

Concen: 4.076 ug/l

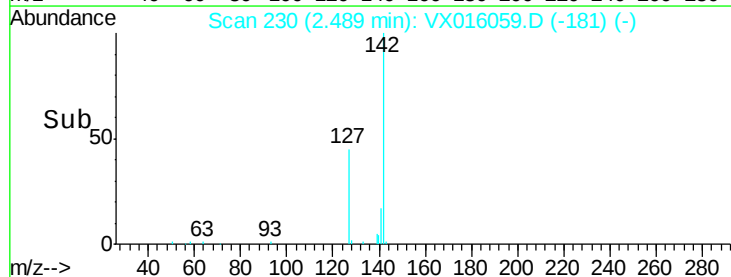
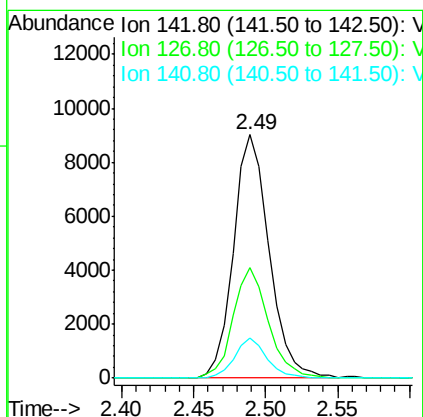
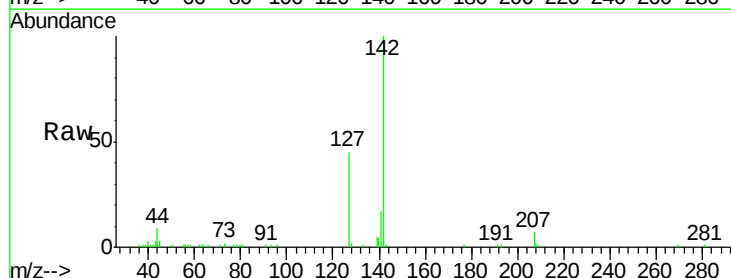
RT: 2.49 min Scan# 230

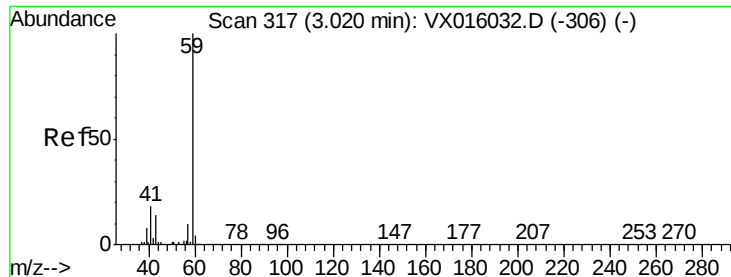
Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion:	142	Resp:	15577
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.6	52.0
141	15.1	11.3	16.9





#11

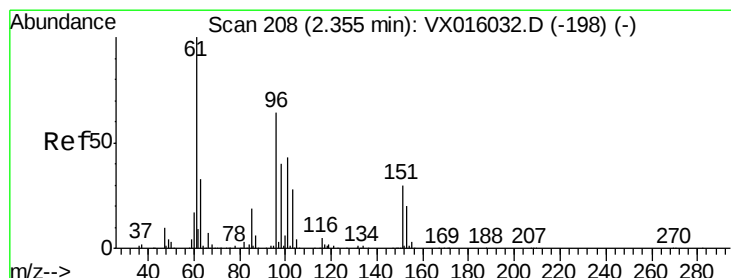
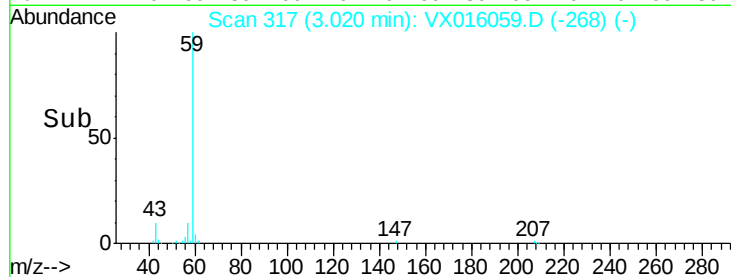
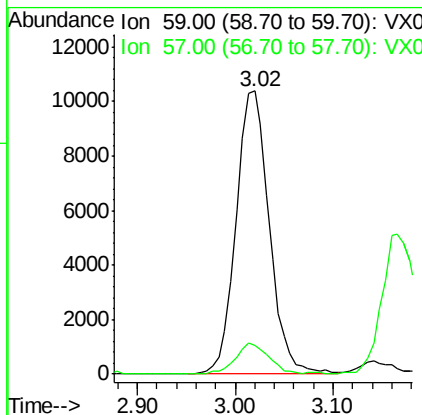
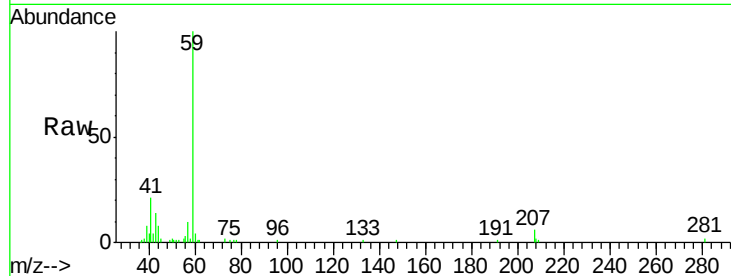
Tert butyl alcohol
 Concen: 25.785 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.4

Manual Integrations
 APPROVED

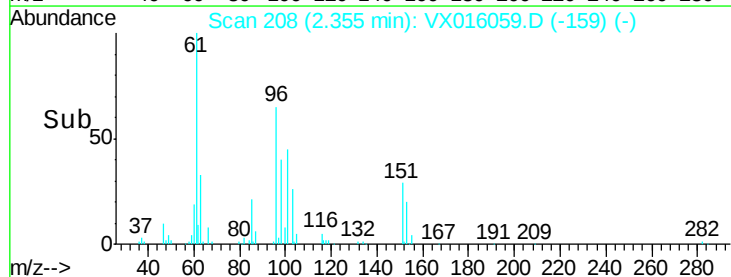
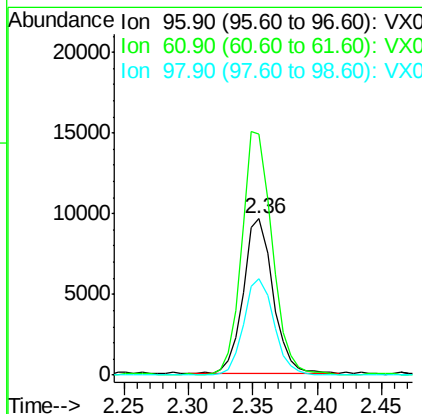
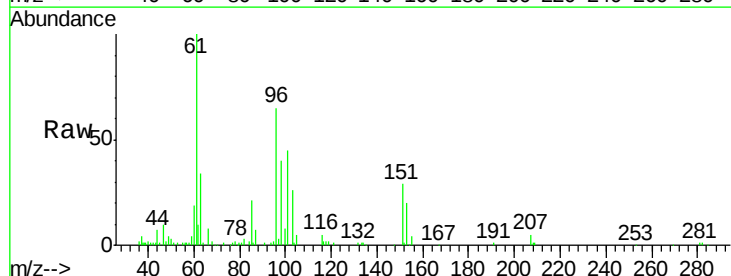
MMDadoda
 5/6/2020 12:27:30 PM



#12

1,1-Dichloroethene
 Concen: 5.100 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	124.8	187.2
98	62.4	49.7	74.5





#13

Acrolein

Concen: 25.375 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 56 Resp: 15135

Ion Ratio Lower Upper

56 100

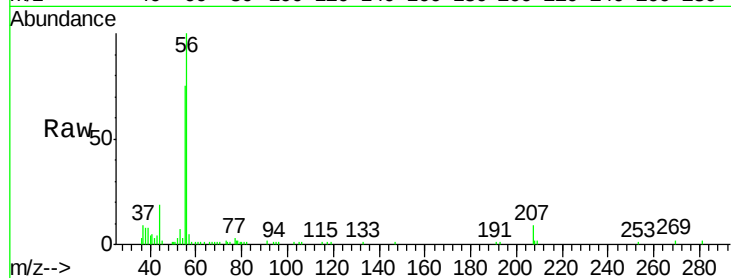
55 65.3 56.5 84.7

Manual Integrations

APPROVED

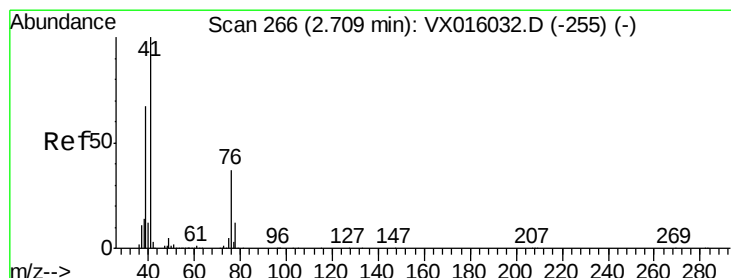
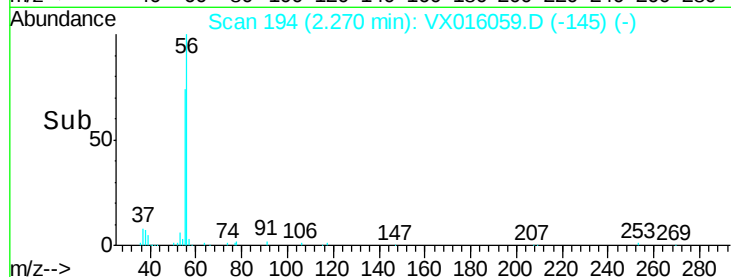
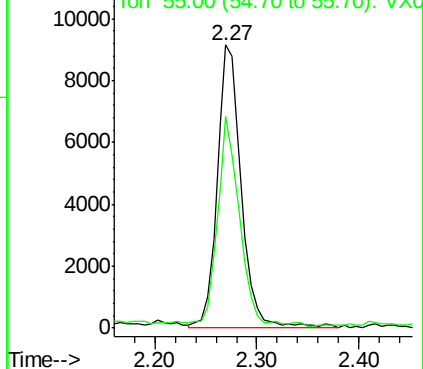
MMDadoda

5/6/2020 12:27:30 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 5.025 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

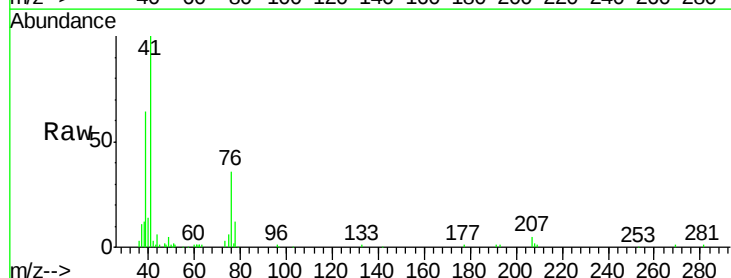
Tgt Ion: 41 Resp: 27434

Ion Ratio Lower Upper

41 100

39 66.5 50.5 75.7

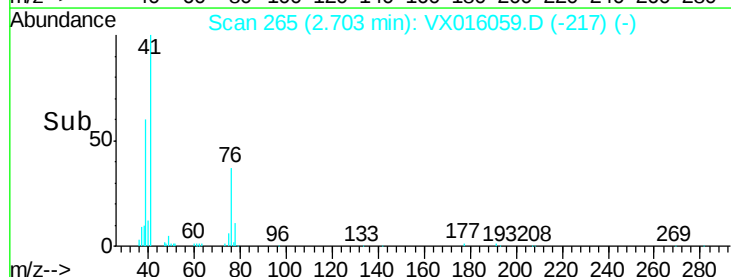
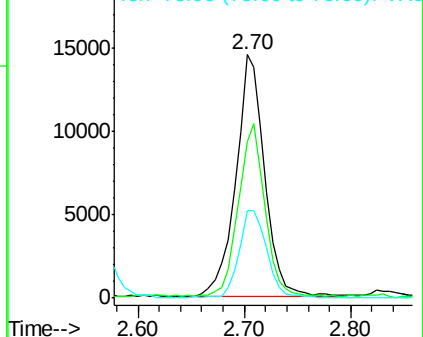
76 35.1 26.6 40.0

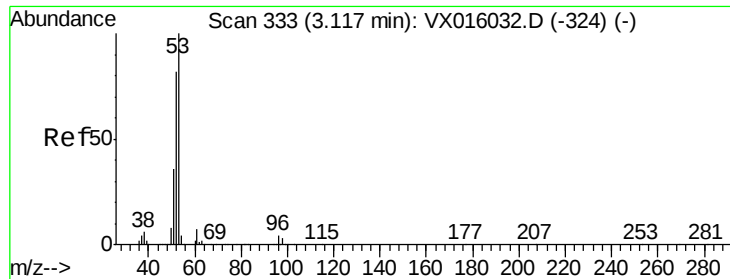


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





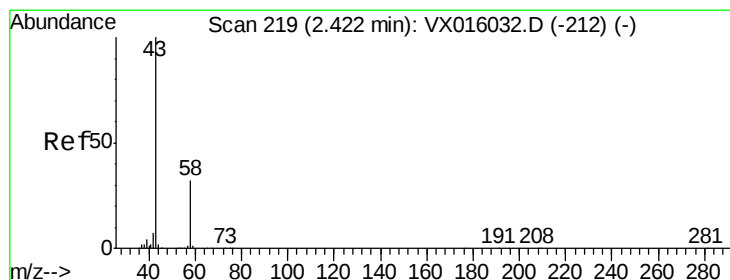
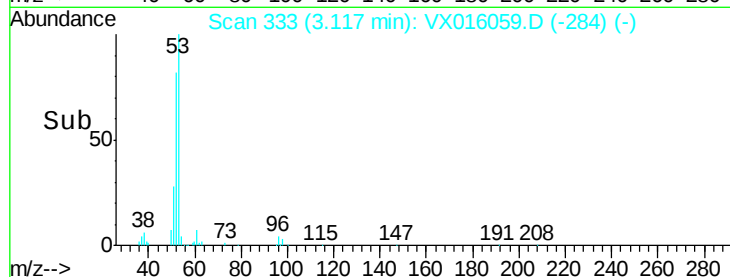
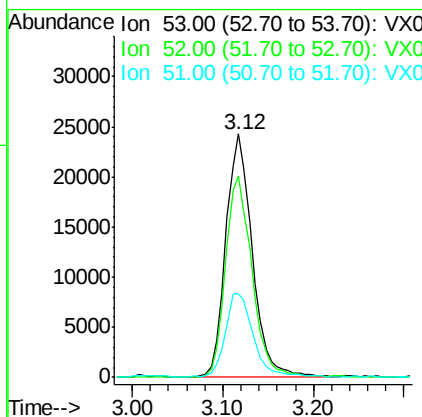
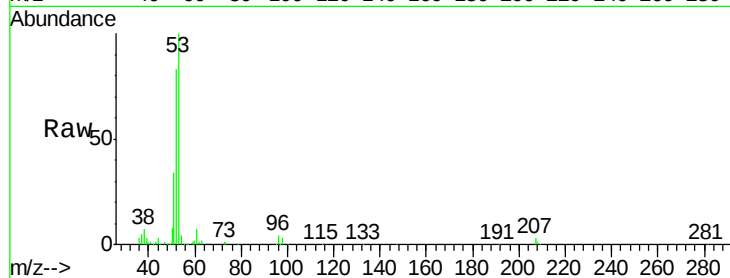
#15
 Acrylonitrile
 Concen: 25.035 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.1	99.1
51	37.0	28.8	43.2

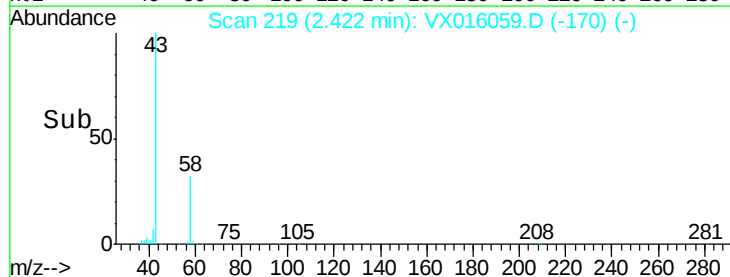
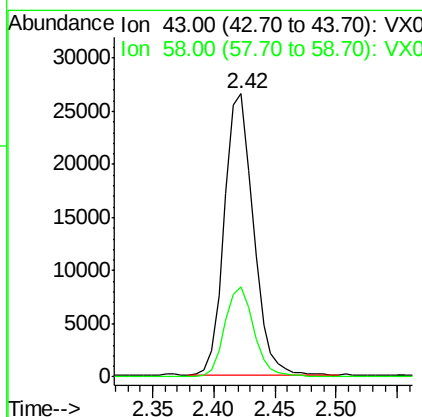
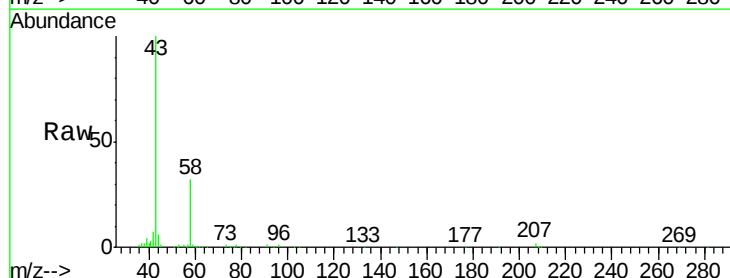
Manual Integrations
 APPROVED

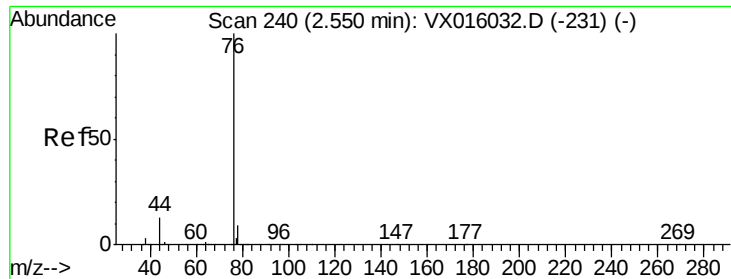
MMDadoda
 5/6/2020 12:27:30 PM



#16
 Acetone
 Concen: 25.755 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.0





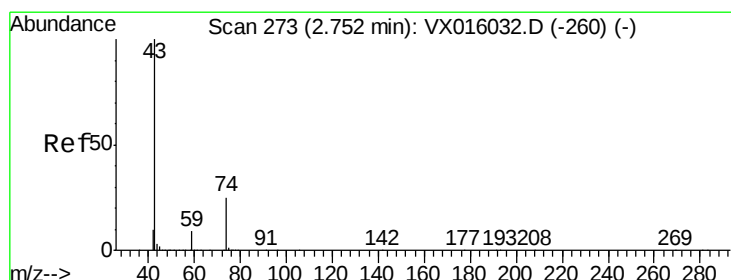
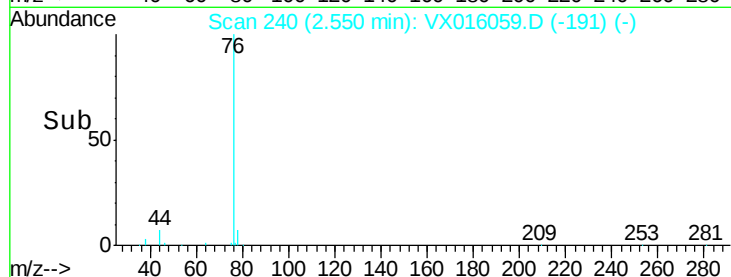
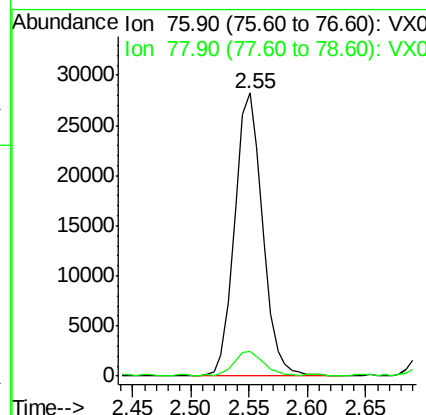
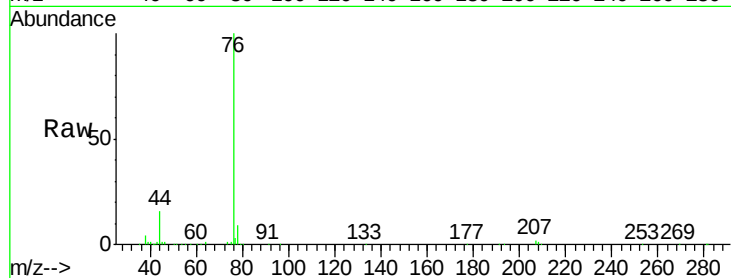
#17
Carbon Disulfide
Concen: 4.665 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.5	11.3

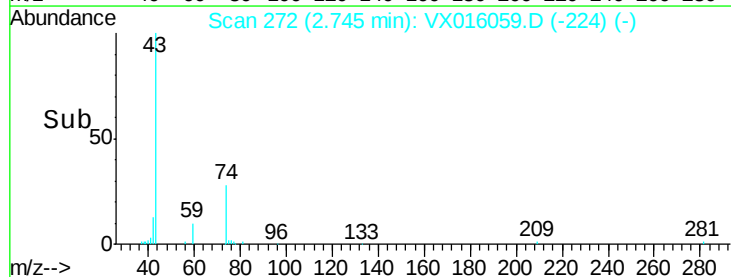
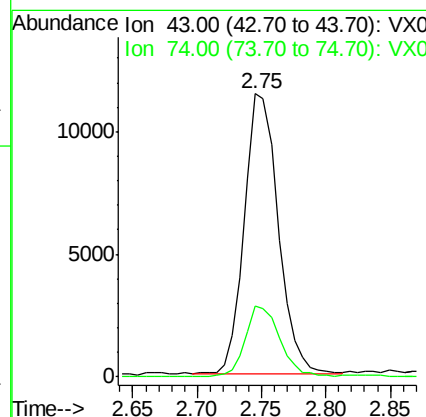
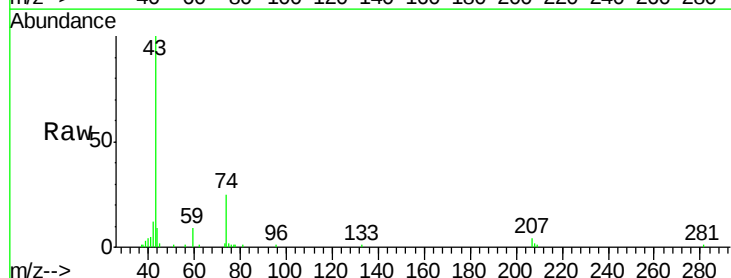
Manual Integrations
APPROVED

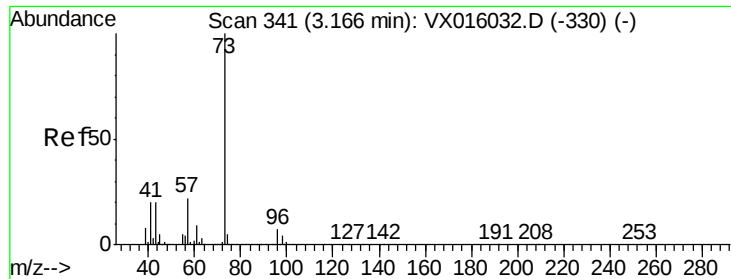
MMDadoda
5/6/2020 12:27:30 PM



#18
Methyl Acetate
Concen: 5.062 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.2	30.2





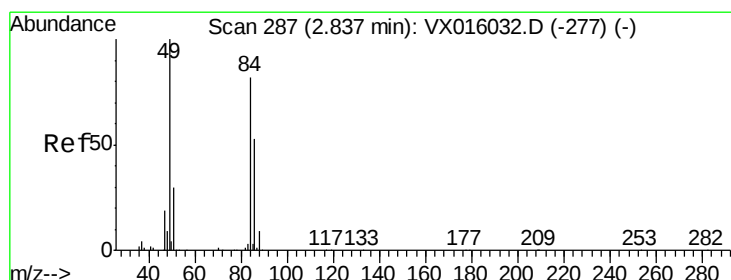
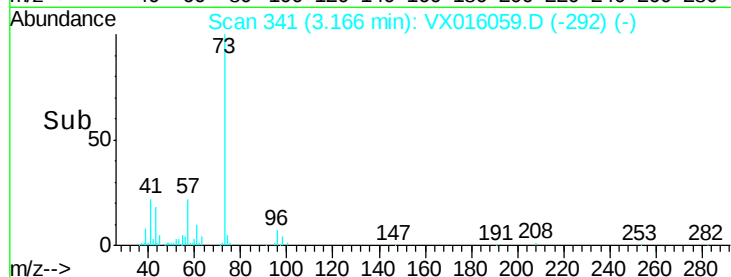
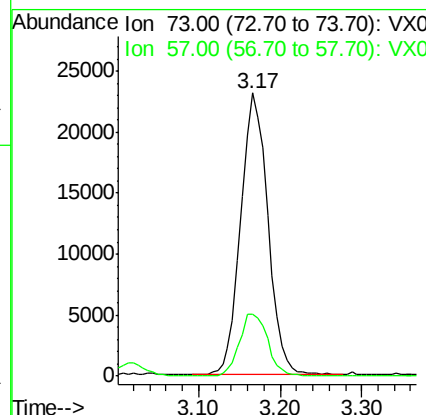
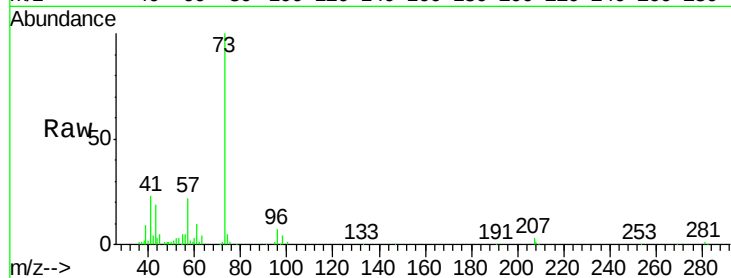
#19
Methyl tert-butyl Ether
Concen: 5.200 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.6

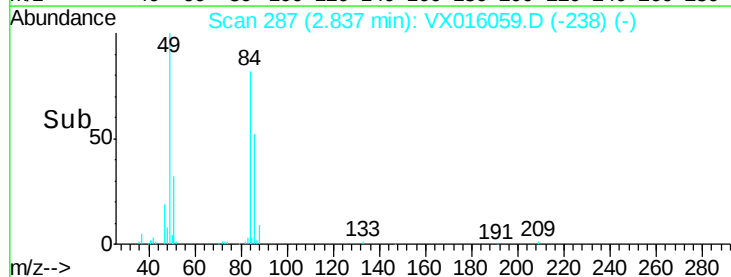
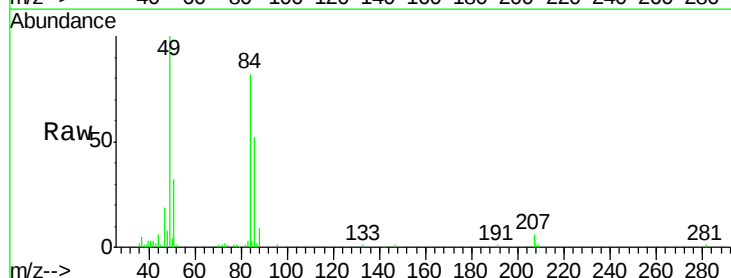
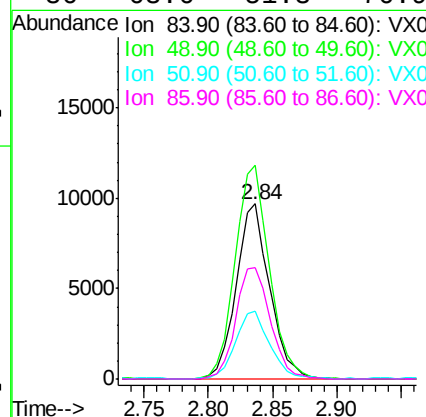
Manual Integrations
APPROVED

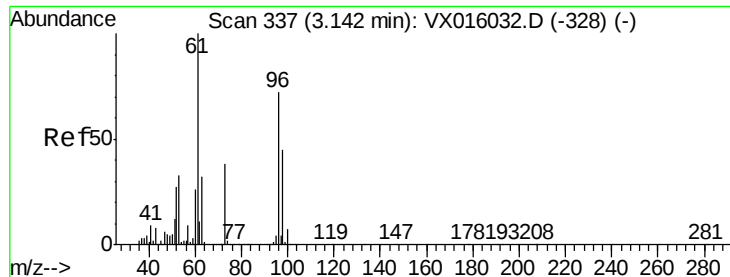
MMDadoda
5/6/2020 12:27:30 PM



#20
Methylene Chloride
Concen: 5.046 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.1	97.3	145.9
51	38.7	29.3	43.9
86	63.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 4.998 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

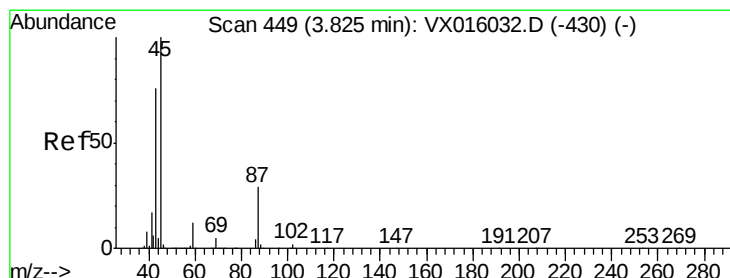
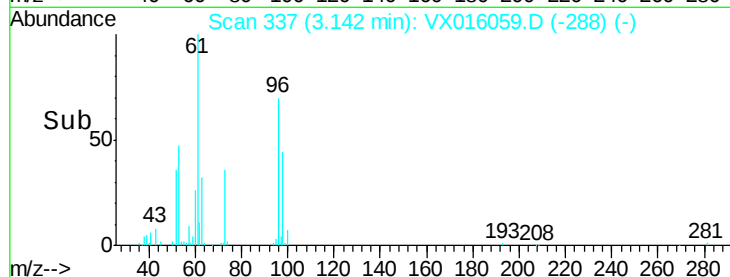
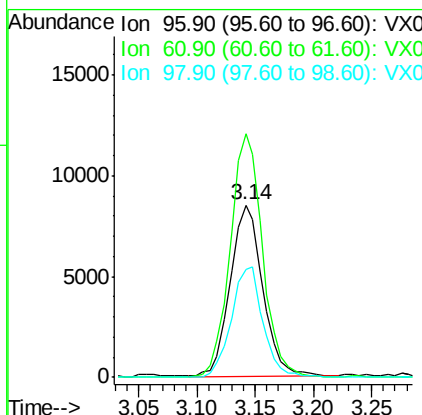
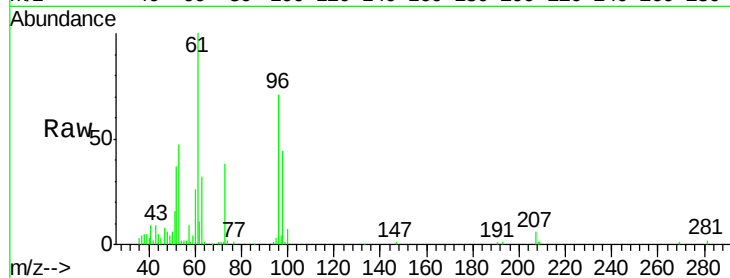
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	96	Resp:	16583
Ion	Ratio	Lower	Upper
96	100		
61	142.1	111.2	166.8
98	62.7	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#22

Diisopropyl ether

Concen: 5.112 ug/l

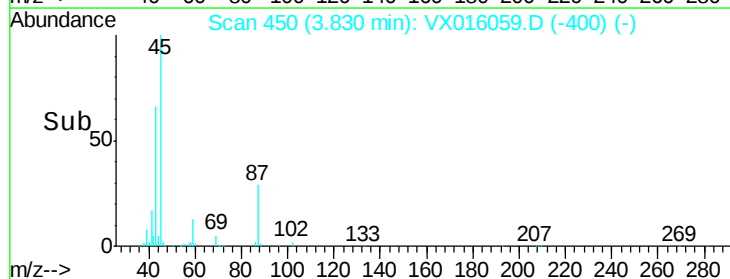
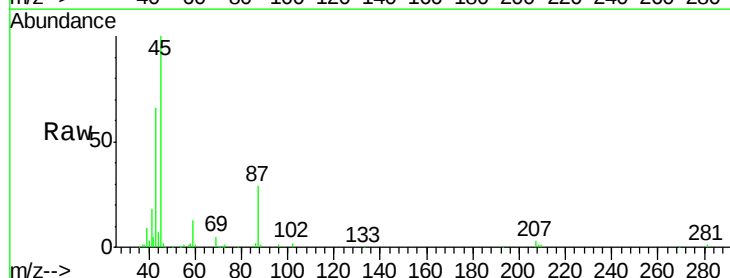
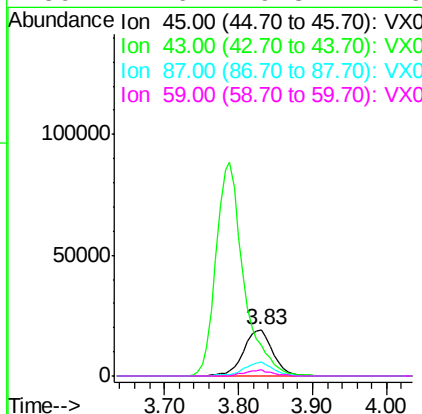
RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion:	45	Resp:	52649
Ion	Ratio	Lower	Upper
45	100		
43	65.2	61.1	91.7
87	29.3	23.0	34.6
59	12.6	9.8	14.6





#23

Vinyl Acetate

Concen: 25.029 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 226803

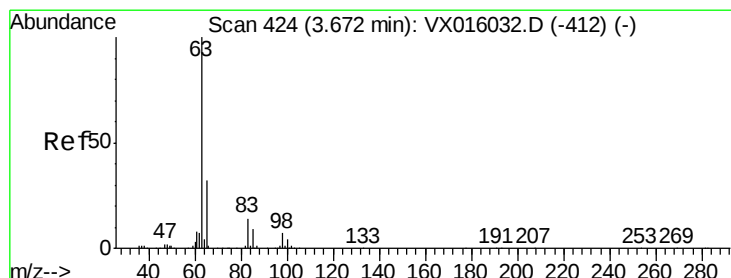
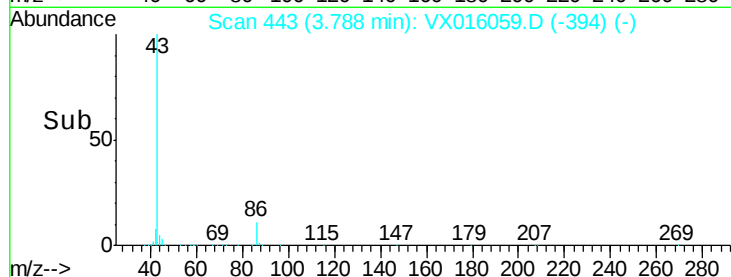
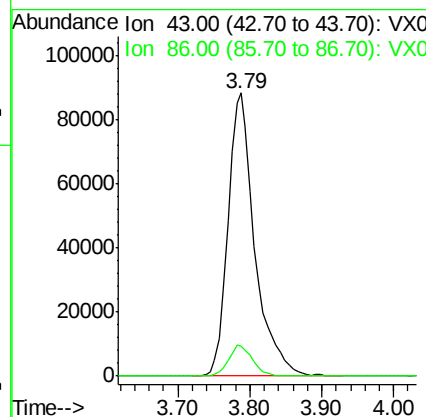
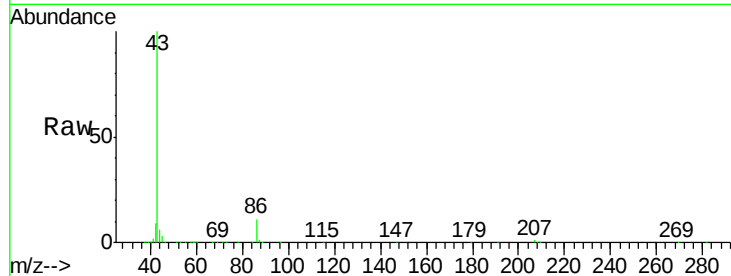
Ion Ratio Lower Upper

43 100

86 10.7 9.0 13.4

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#24

1,1-Dichloroethane

Concen: 5.173 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

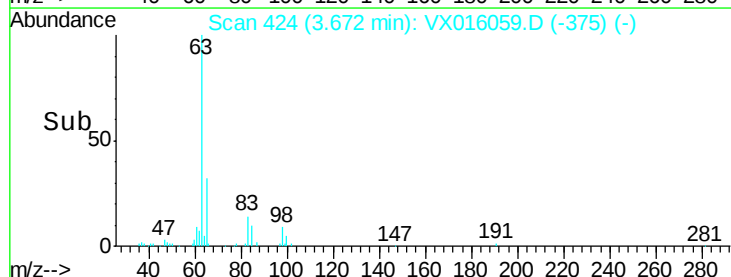
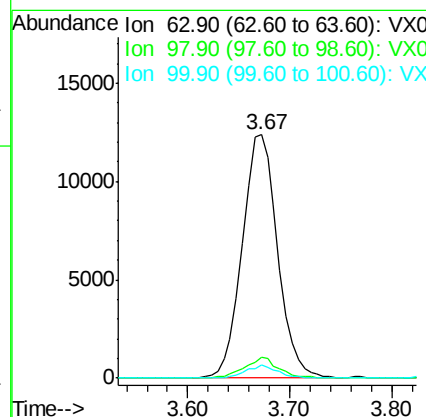
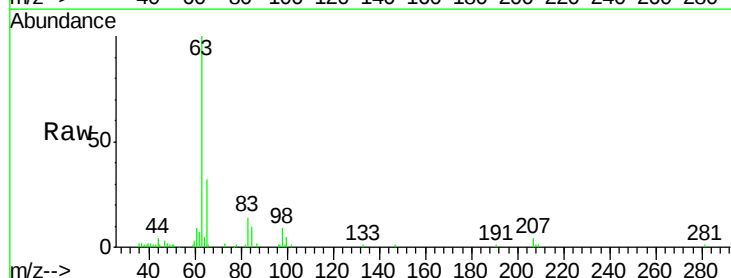
Tgt Ion: 63 Resp: 29806

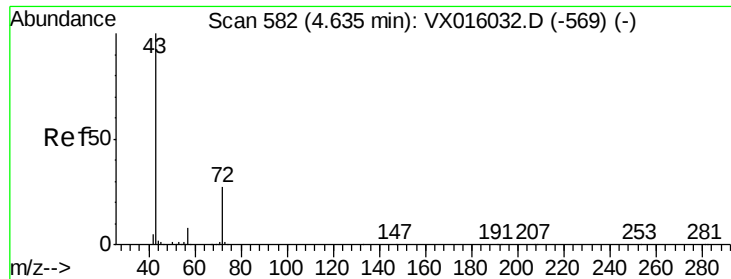
Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

100 5.4 2.1 6.5





#25

2-Butanone

Concen: 24.917 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 67526

Ion Ratio Lower Upper

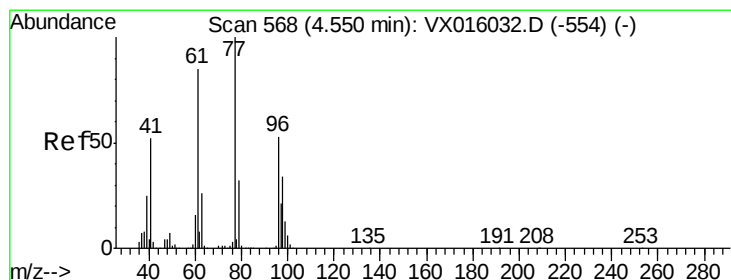
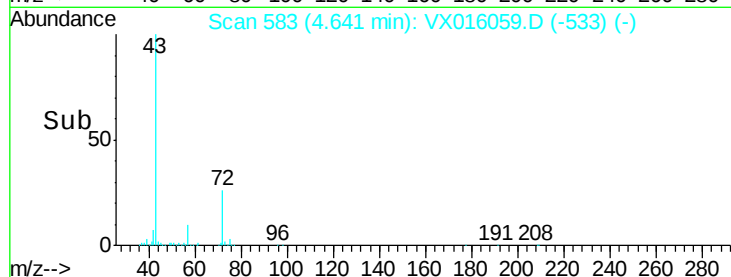
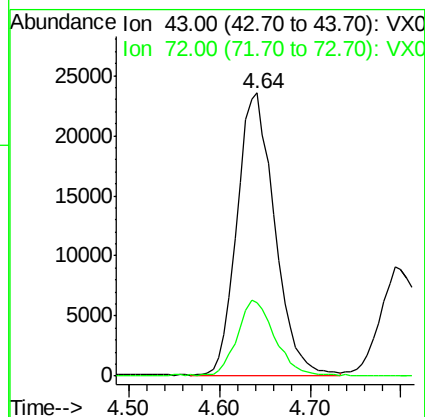
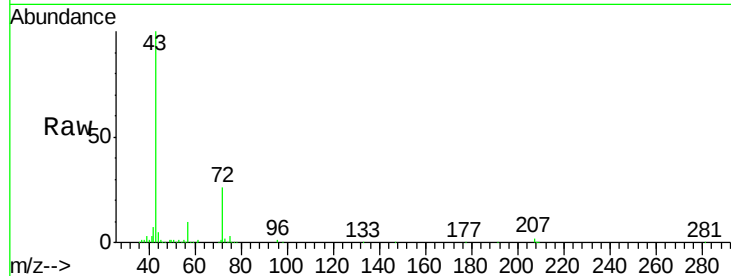
43 100

72 25.8 21.8 32.8

Manual Integrations
APPROVED

MMDadoda

5/6/2020 12:27:30 PM



#26

2,2-Dichloropropane

Concen: 4.939 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016059.D

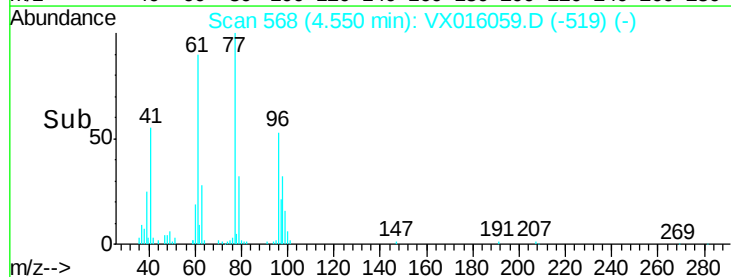
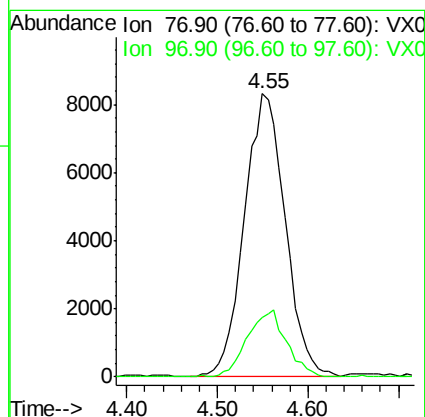
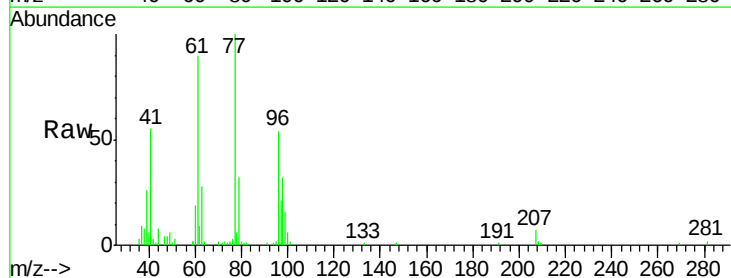
Acq: 05 May 2020 13:26

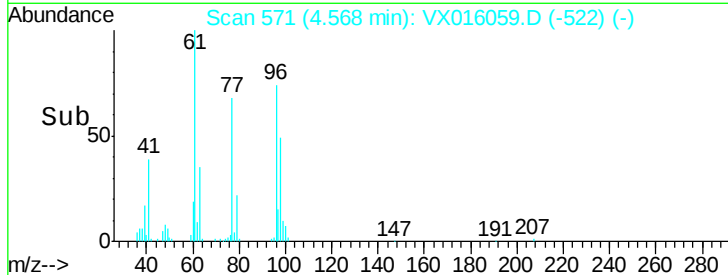
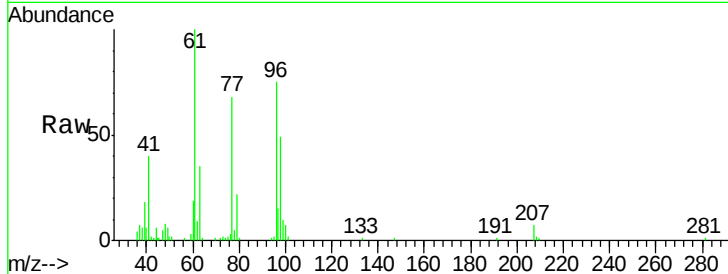
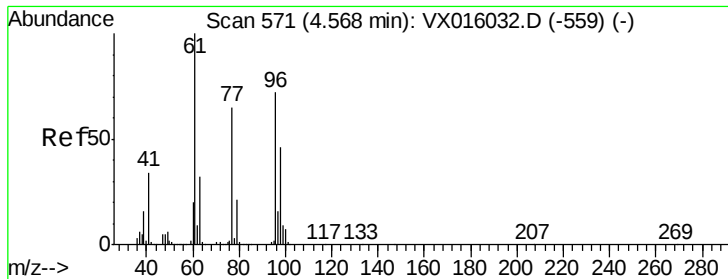
Tgt Ion: 77 Resp: 25988

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





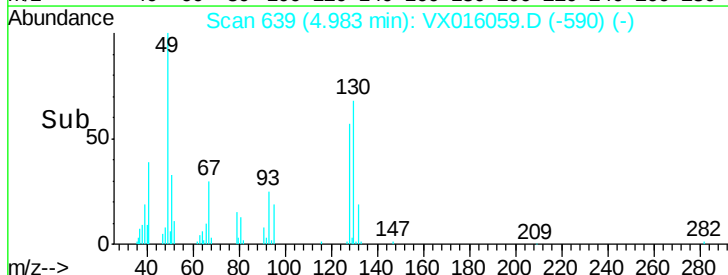
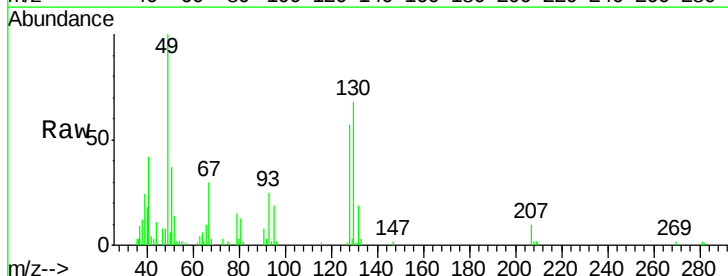
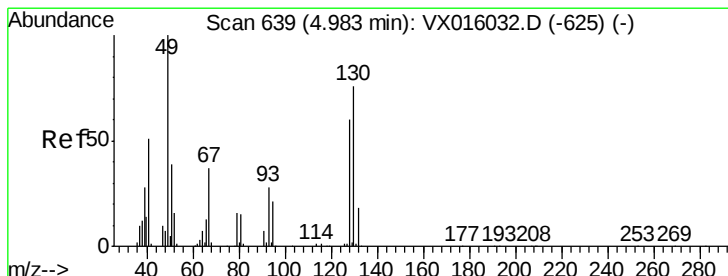
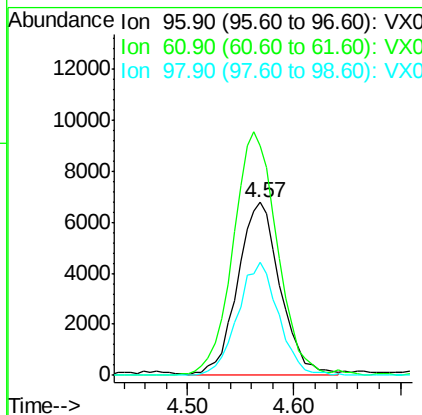
#27
 cis-1,2-Dichloroethene
 Concen: 5.261 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tot Ion:	96	Resp:	19083
Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	296.2
98	62.3	0.0	129.4

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

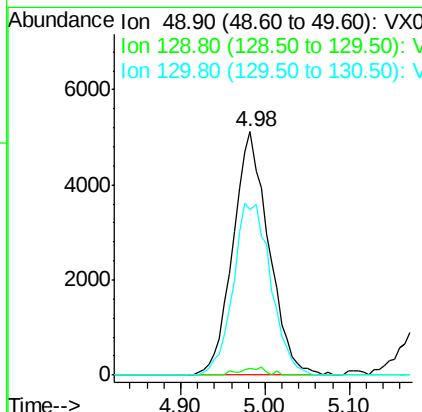
Manual Integrations
 APPROVED

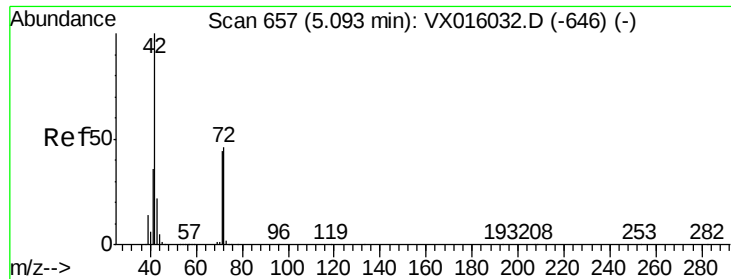
MMDadoda
 5/6/2020 12:27:30 PM



#28
 Bromochloromethane
 Concen: 5.634 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion:	49	Resp:	14802
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.6	62.4	93.6





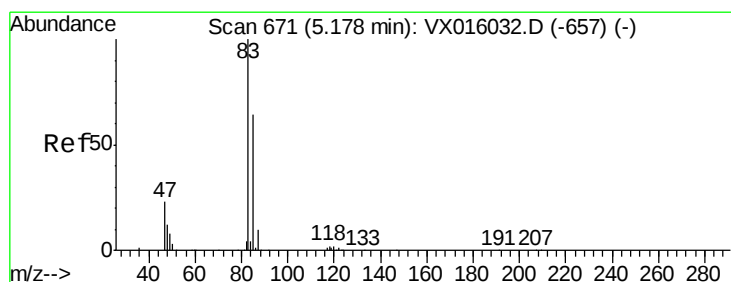
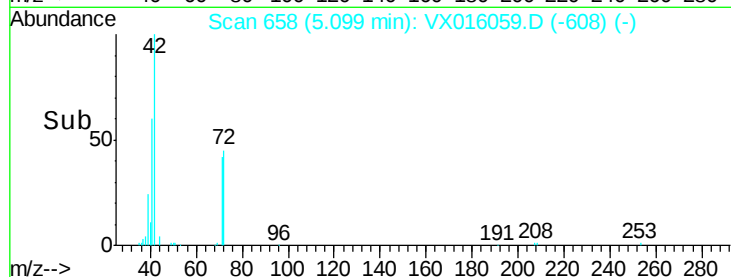
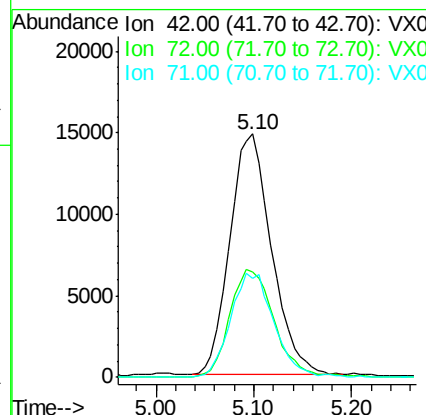
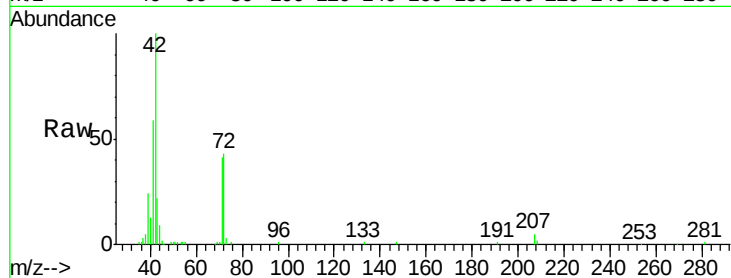
#29
Tetrahydrofuran
Concen: 24.333 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	37.1	55.7
71	45.0	34.5	51.7

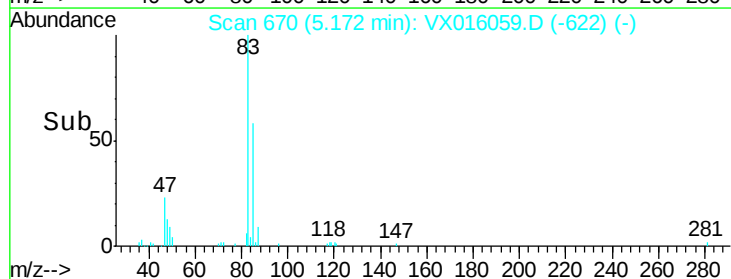
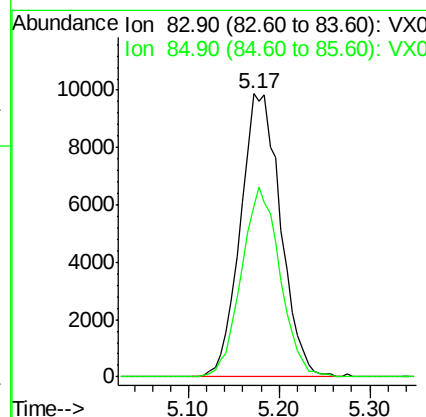
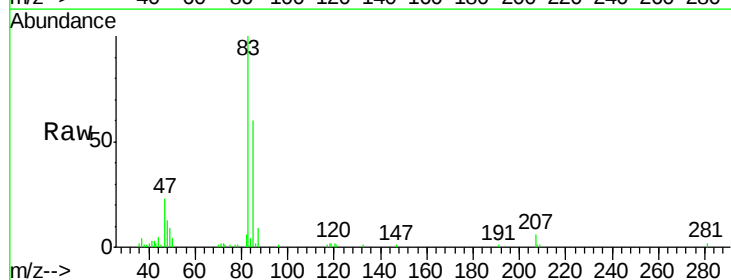
Manual Integrations
APPROVED

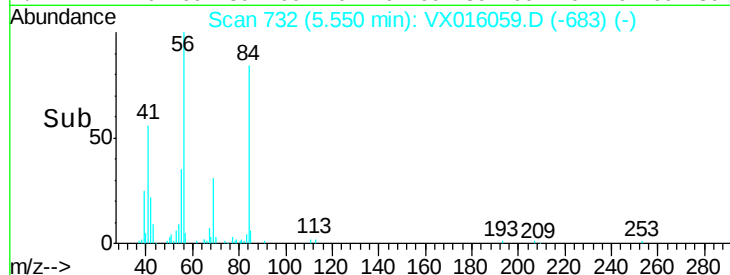
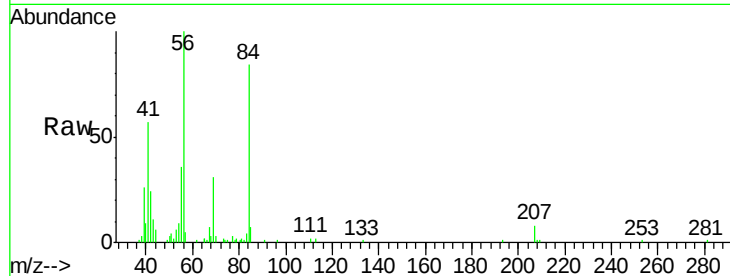
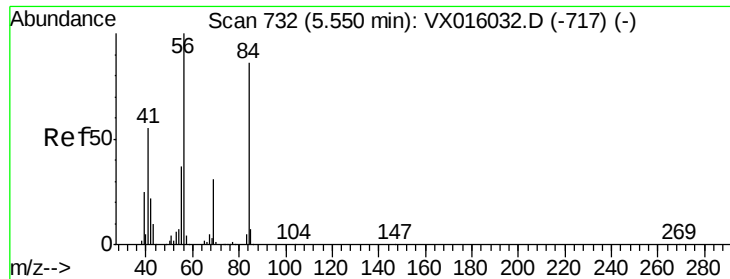
MMDadoda
5/6/2020 12:27:30 PM



#30
Chloroform
Concen: 5.286 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.6	77.4





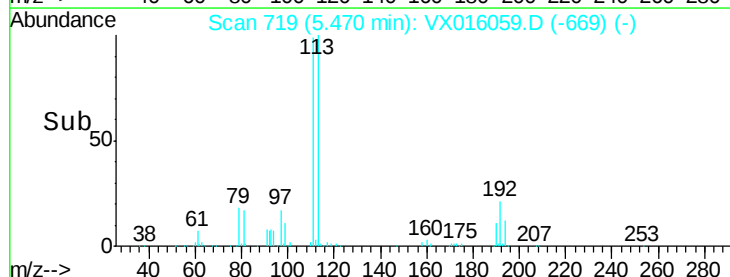
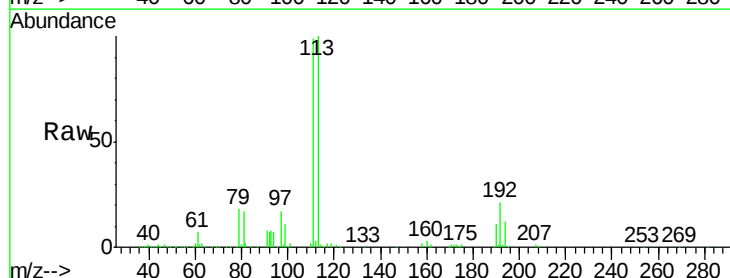
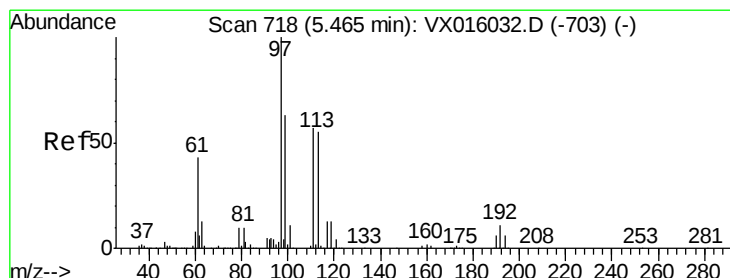
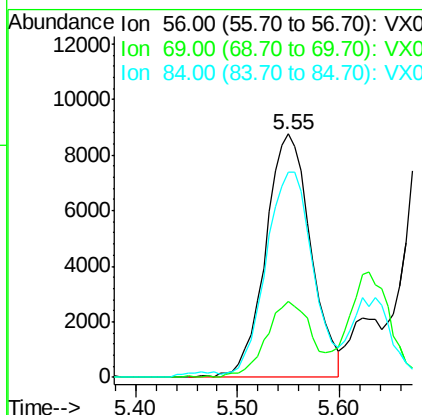
#31
Cyclohexane
Concen: 5.131 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	25.0	37.6
84	82.6	69.0	103.6

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

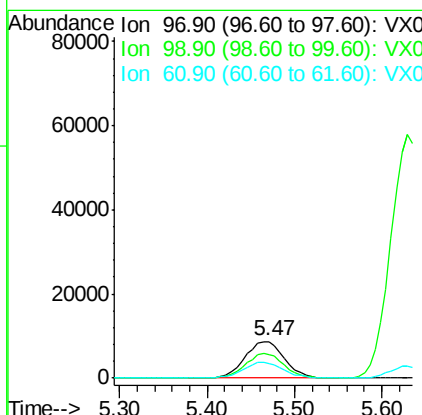
Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#32
1,1,1-Trichloroethane
Concen: 5.241 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.0	76.4
61	44.1	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 49.163 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 65 Resp: 185308

Ion Ratio Lower Upper

65 100

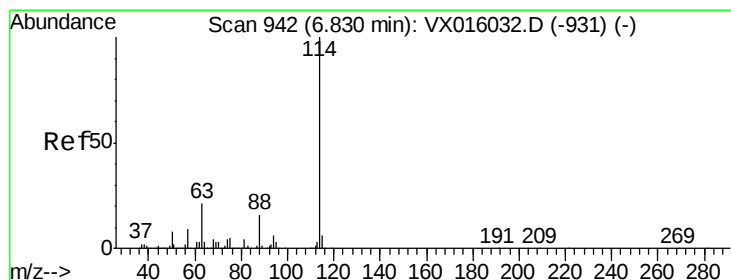
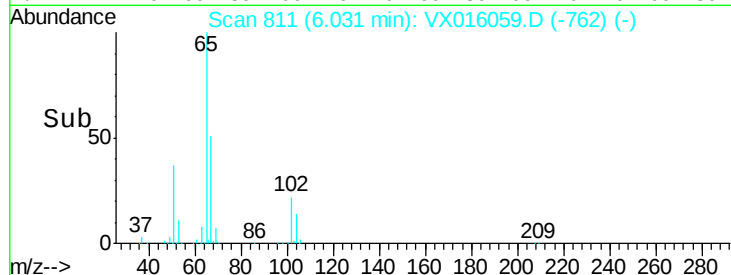
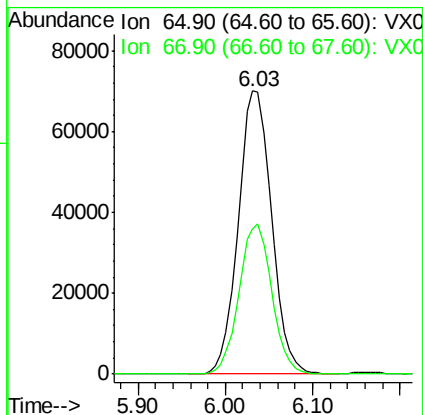
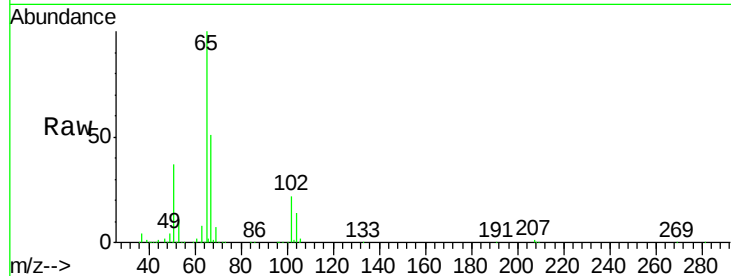
67 52.4 0.0 104.8

Manual Integrations

APPROVED

MMDadoda

5/6/2020 12:27:30 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

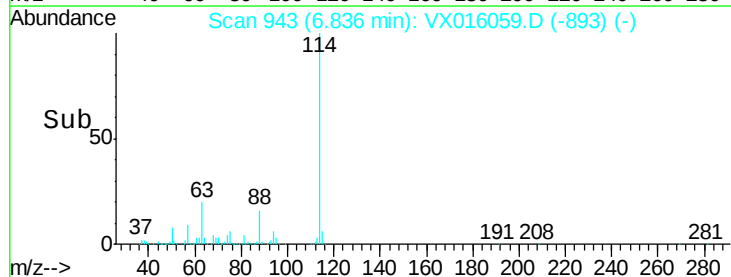
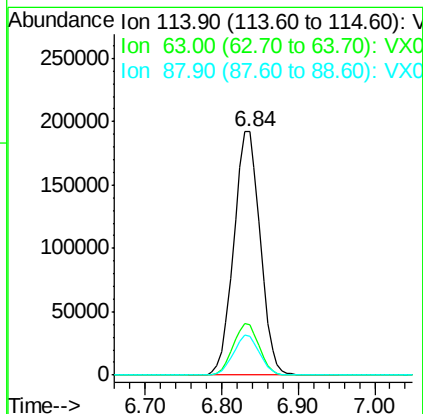
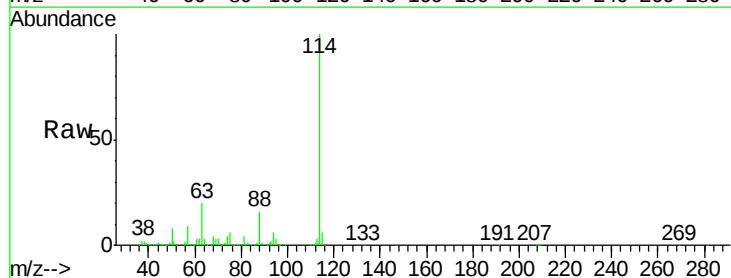
Tgt Ion: 114 Resp: 459535

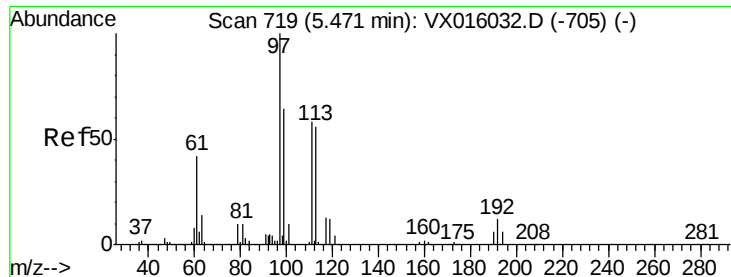
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.118 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

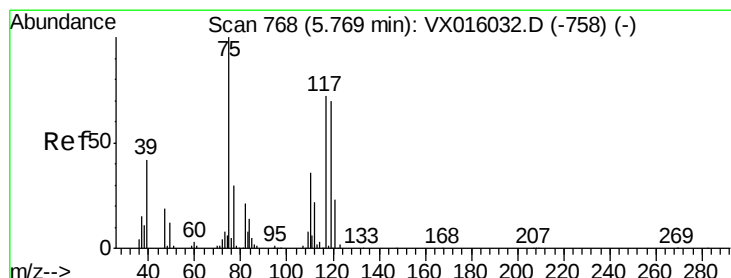
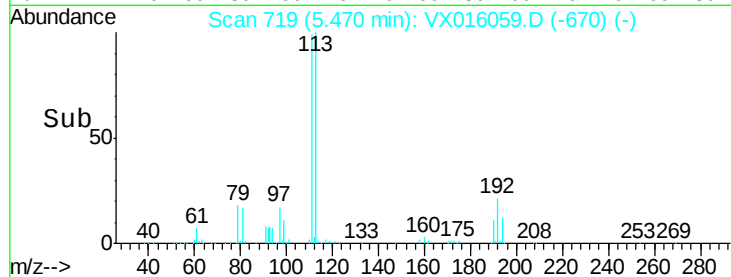
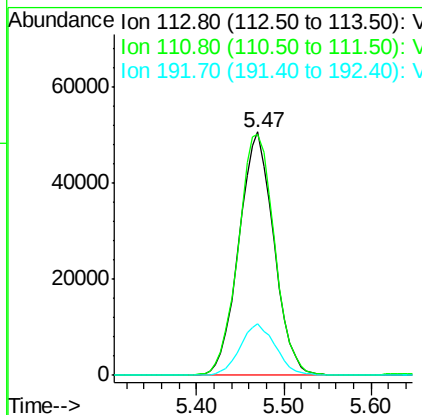
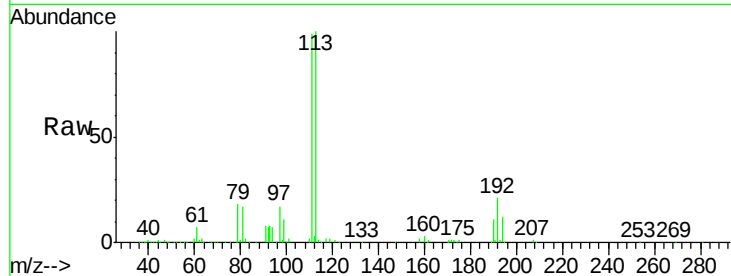
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	113	Resp:	140089
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.6	122.4
192	21.5	17.0	25.4

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#36

1,1-Dichloropropene

Concen: 5.103 ug/l

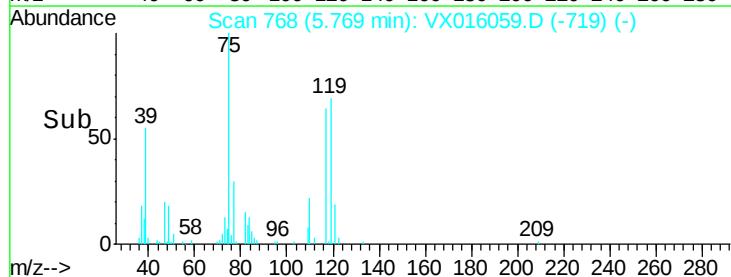
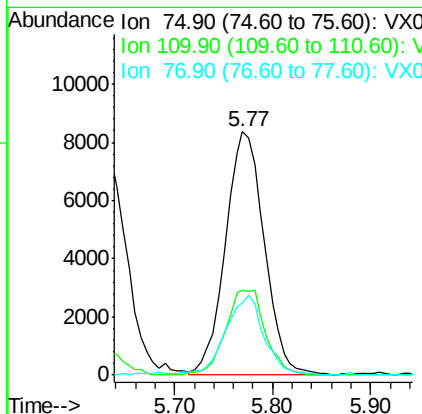
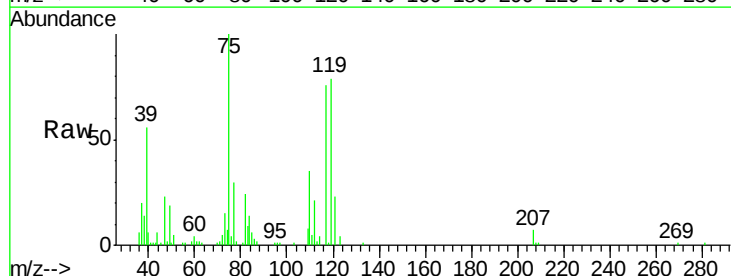
RT: 5.77 min Scan# 768

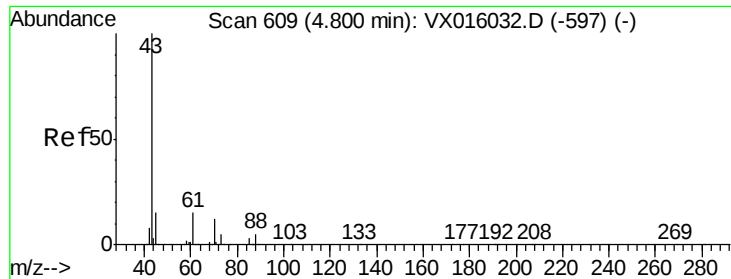
Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion:	75	Resp:	23083
Ion Ratio	Lower	Upper	
75	100		
110	35.6	18.1	54.1
77	32.6	25.0	37.6





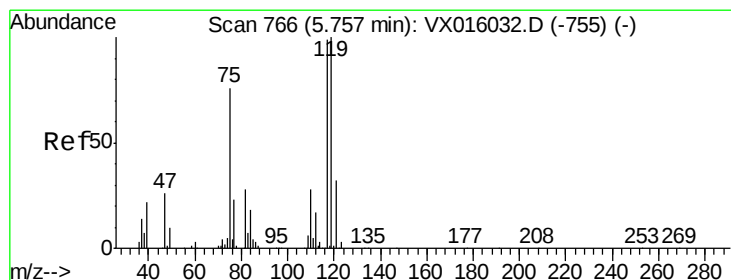
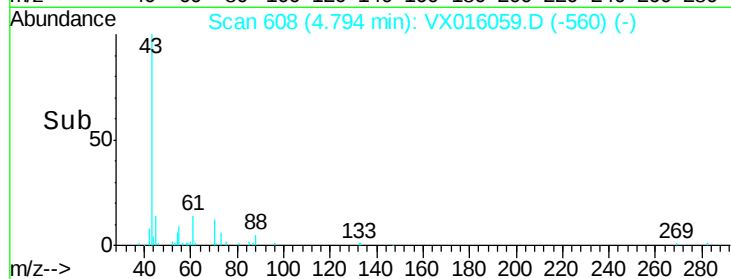
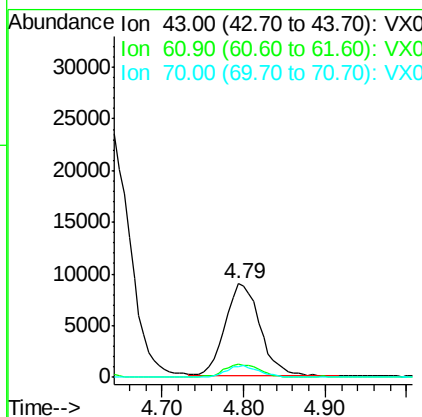
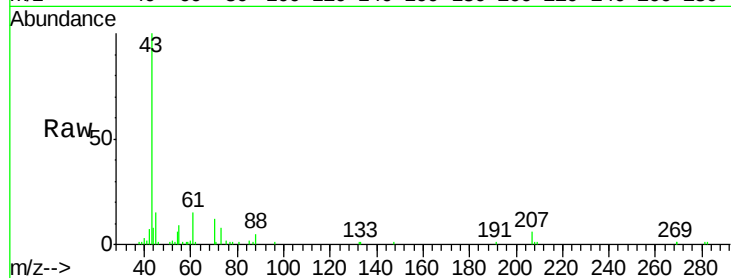
#37
Ethyl Acetate
Concen: 5.109 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	43	Resp	26784
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.7	17.5
70	11.8	9.3	13.9

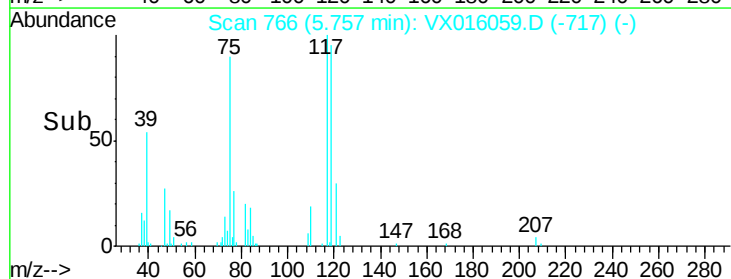
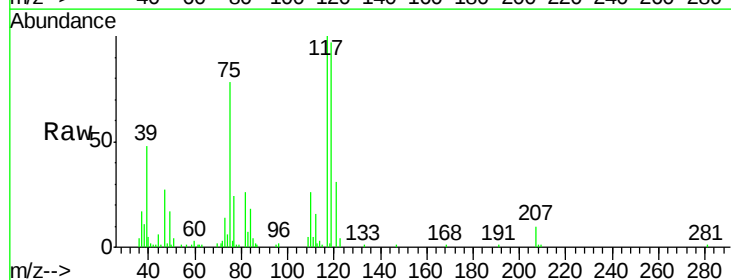
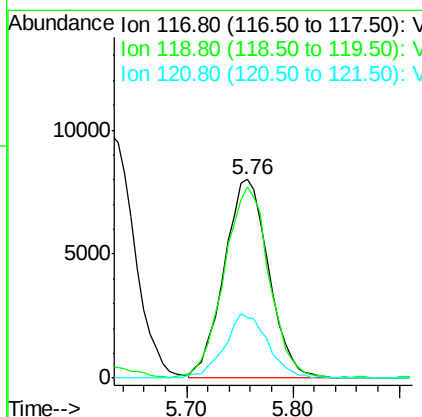
Manual Integrations
APPROVED

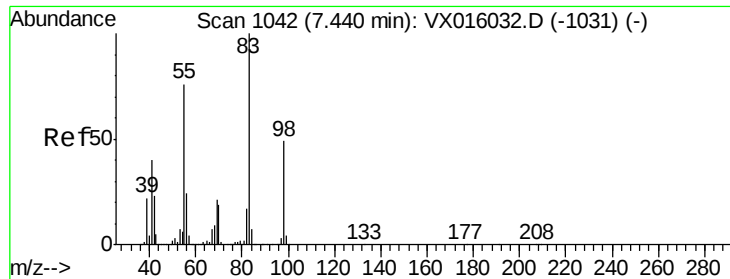
MMDadoda
5/6/2020 12:27:30 PM



#38
Carbon Tetrachloride
Concen: 5.127 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	117	Resp	23572
Ion	Ratio	Lower	Upper
117	100		
119	96.5	80.3	120.5
121	30.8	25.7	38.5





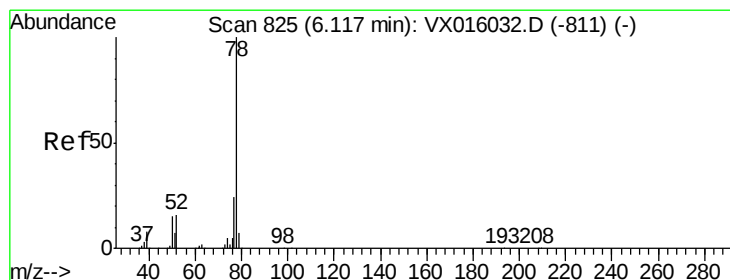
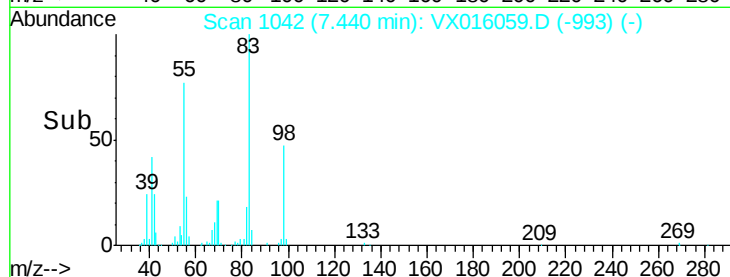
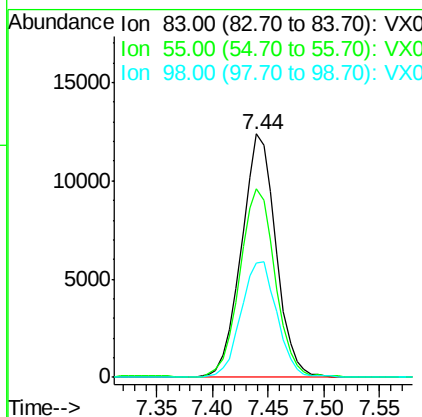
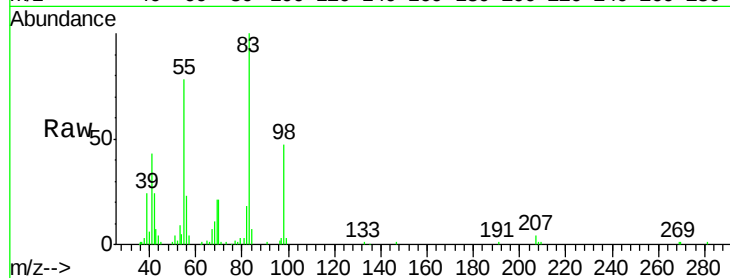
#39
Methvlcvclohexane
Concen: 4.895 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.1	91.7
98	47.2	39.0	58.4

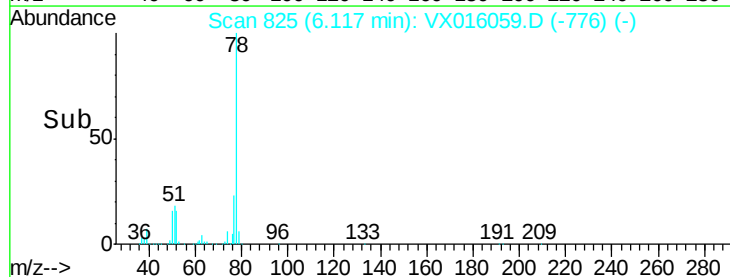
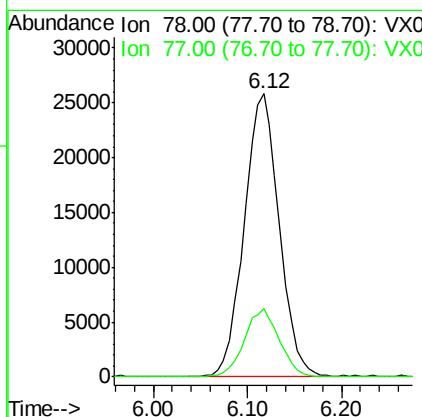
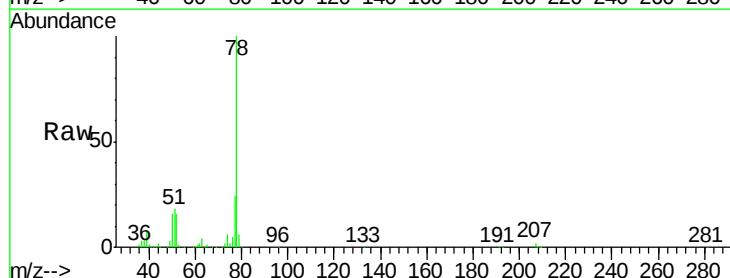
Manual Integrations
APPROVED

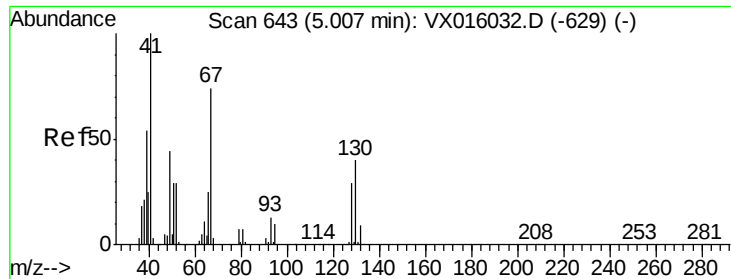
MMDadoda
5/6/2020 12:27:30 PM



#40
Benzene
Concen: 5.077 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





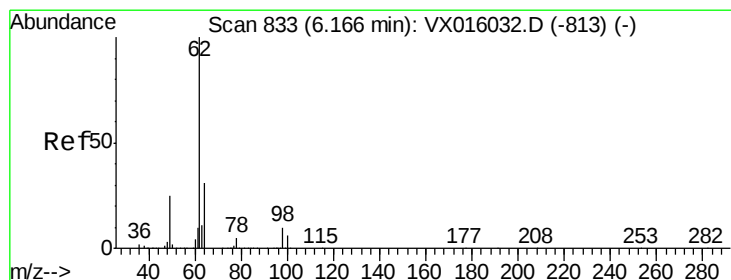
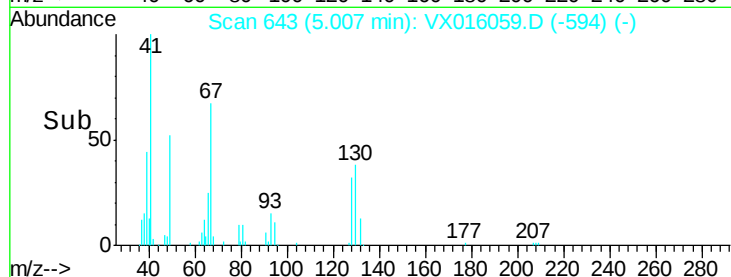
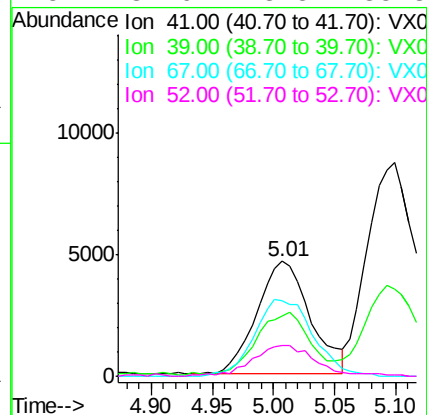
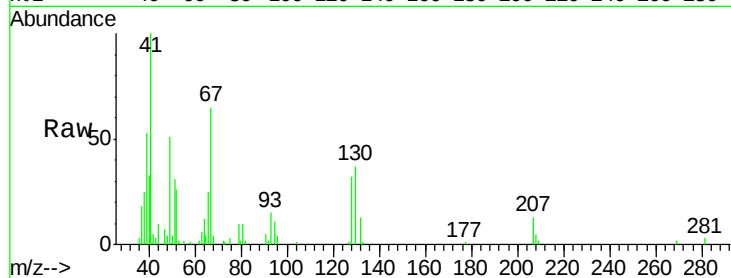
#41
Methacrylonitrile
Concen: 4.983 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.2	64.8
67	74.6	59.3	88.9
52	32.6	23.5	35.3

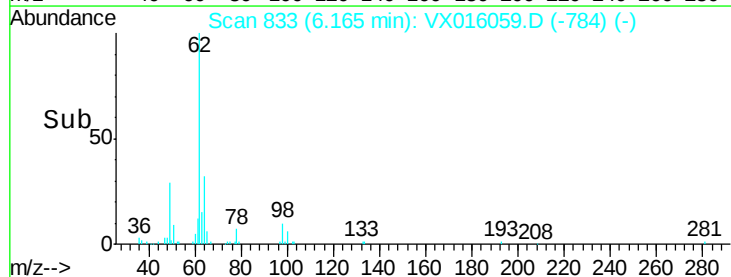
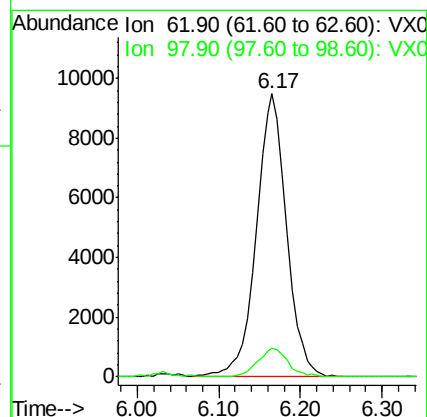
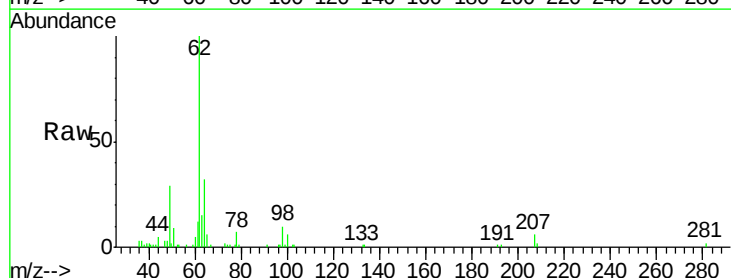
Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#42
1,2-Dichloroethane
Concen: 5.153 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.4





#43

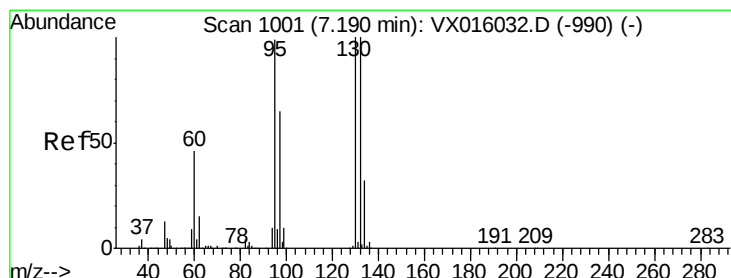
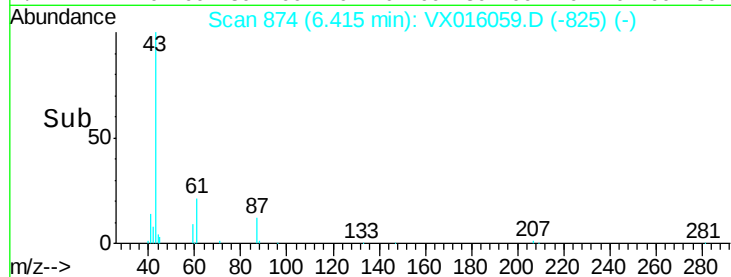
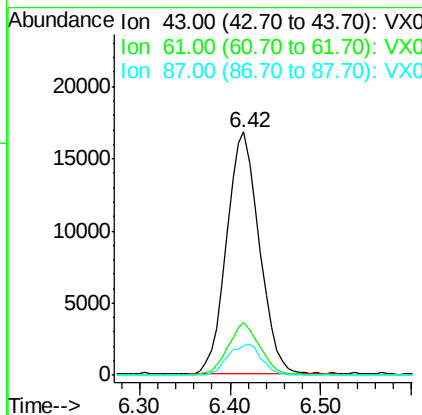
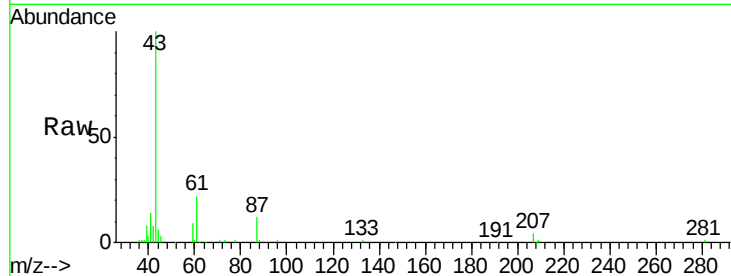
Isopropyl Acetate
 Concen: 5.033 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.0	25.4
87	13.3	11.0	16.6

Manual Integrations
 APPROVED

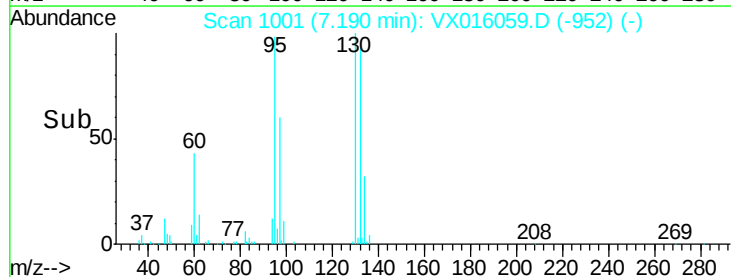
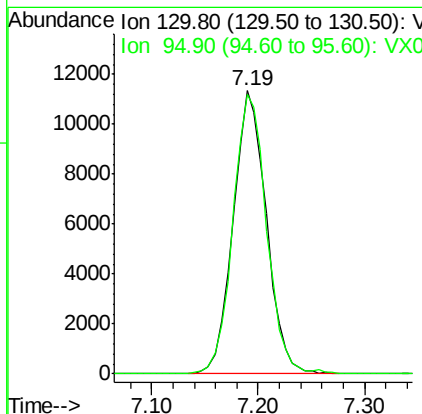
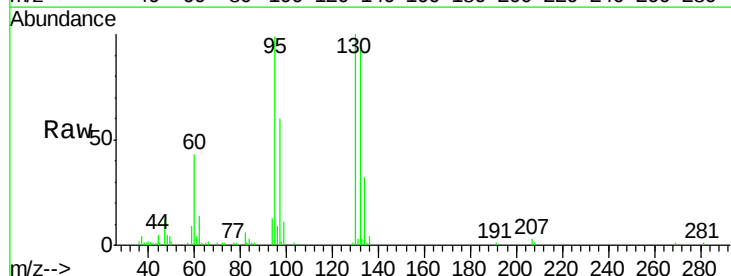
MMDadoda
 5/6/2020 12:27:30 PM

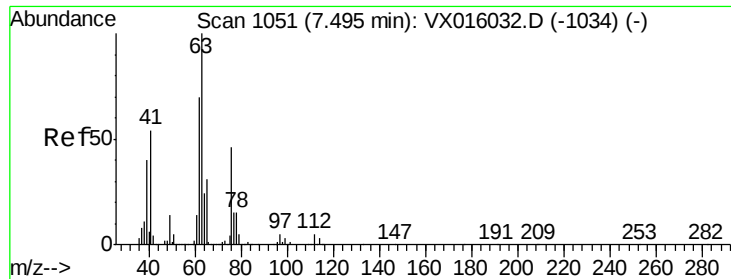


#44

Trichloroethene
 Concen: 5.270 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	197.4





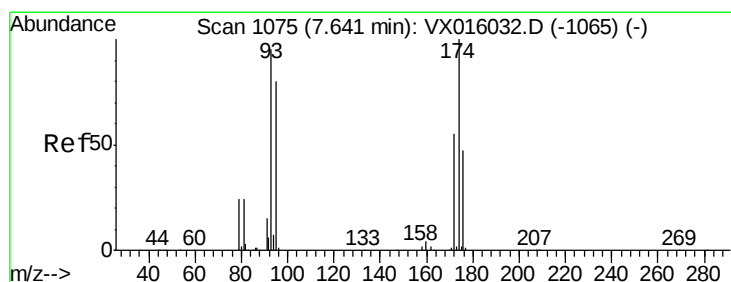
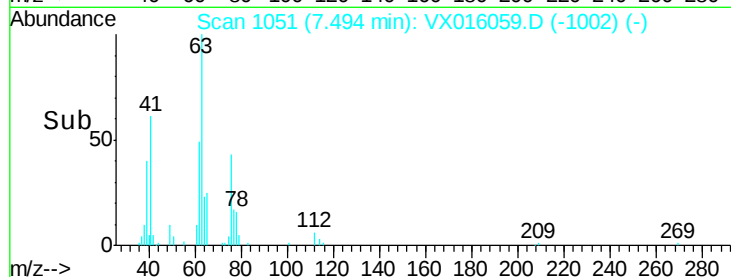
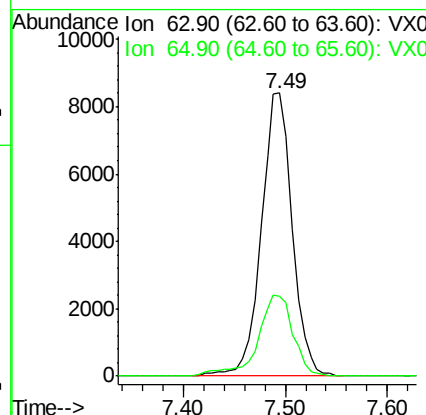
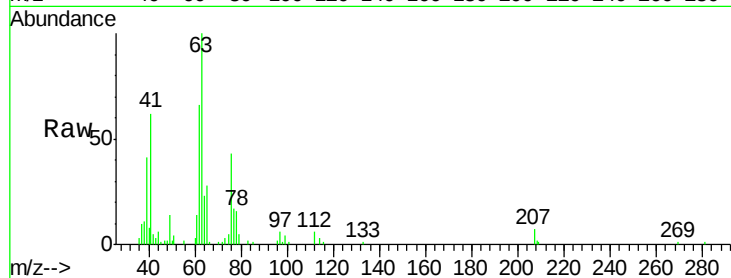
#45
 1,2-Dichloropropane
 Concen: 5.276 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.4	24.4	36.6

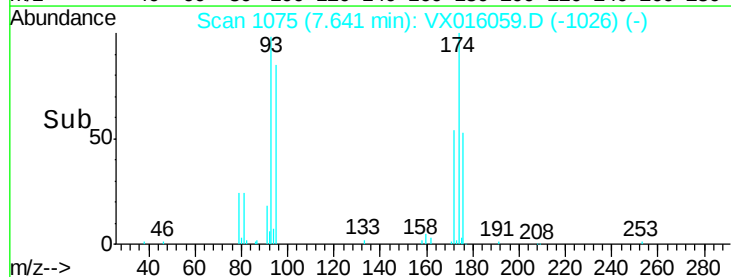
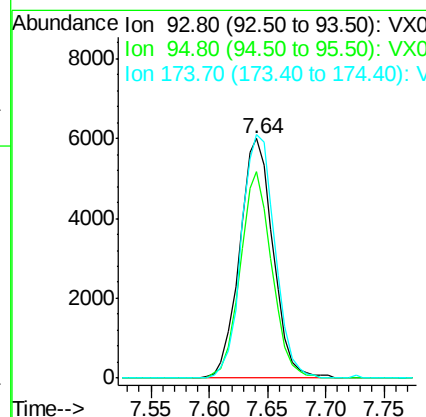
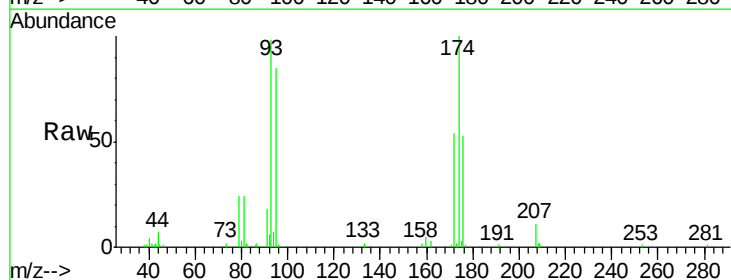
Manual Integrations
 APPROVED

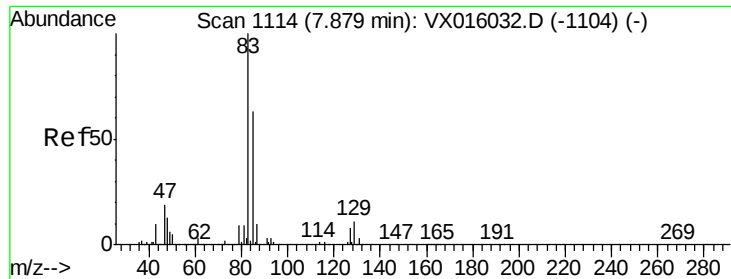
MMDadoda
 5/6/2020 12:27:30 PM



#46
 Dibromomethane
 Concen: 5.274 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.6	100.0
174	101.7	84.2	126.4





#47

Bromodichloromethane

Concen: 4.956 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

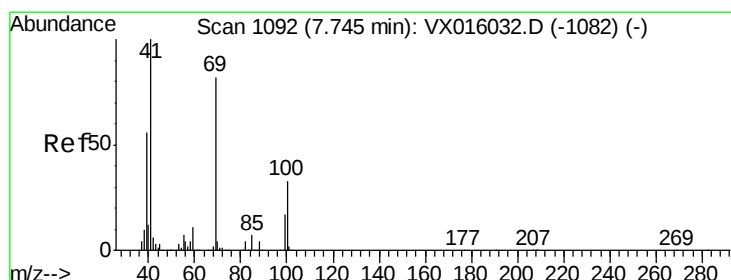
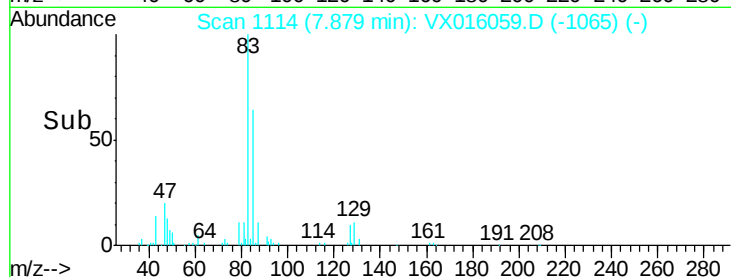
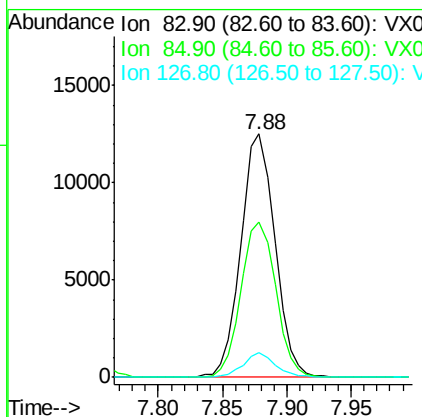
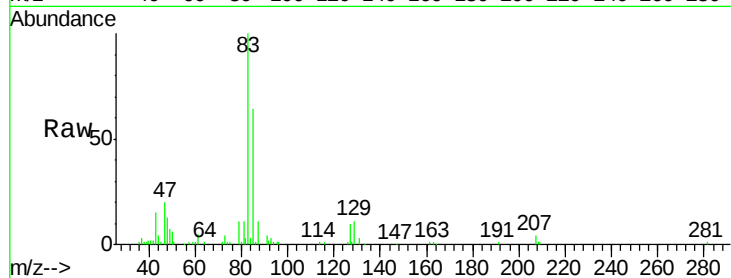
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	83	Resp:	22974
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.5	75.7
127	10.0	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#48

Methyl methacrylate

Concen: 4.797 ug/l

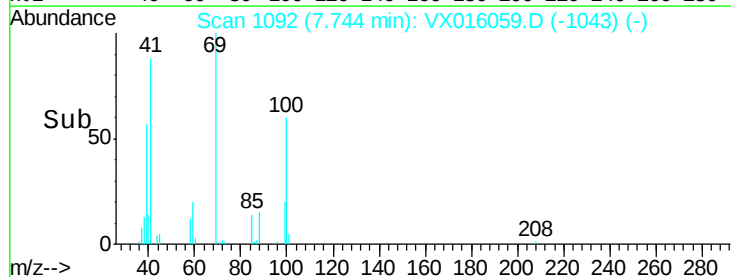
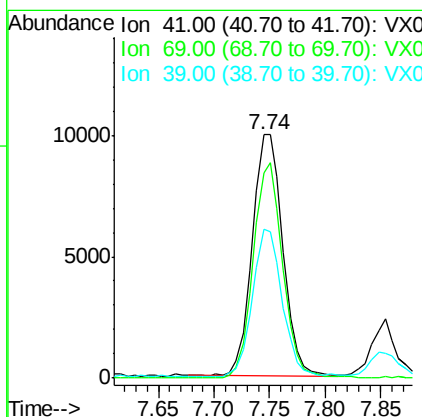
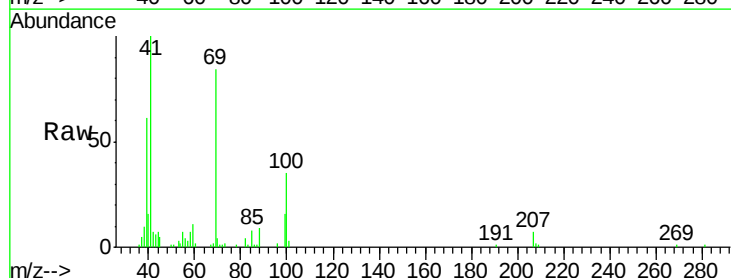
RT: 7.74 min Scan# 1092

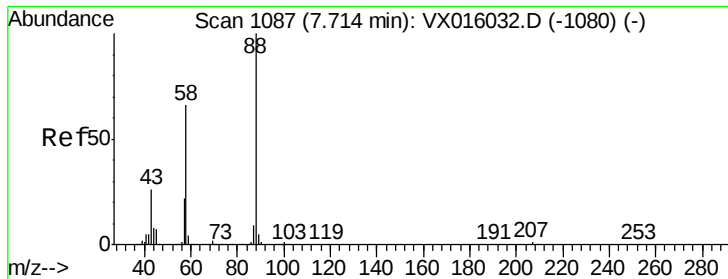
Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion:	41	Resp:	19015
Ion	Ratio	Lower	Upper
41	100		
69	86.1	67.8	101.6
39	59.4	44.6	67.0





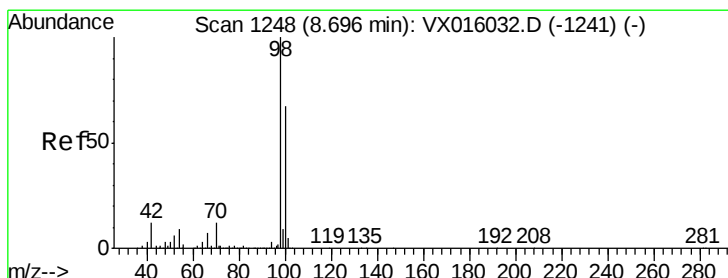
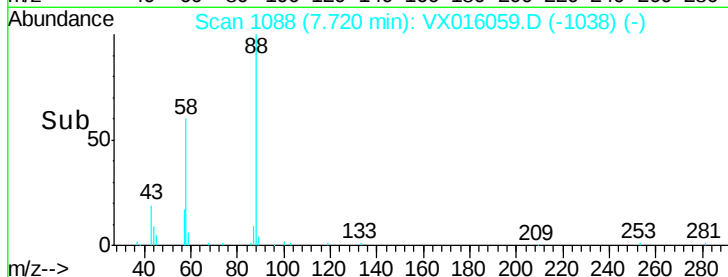
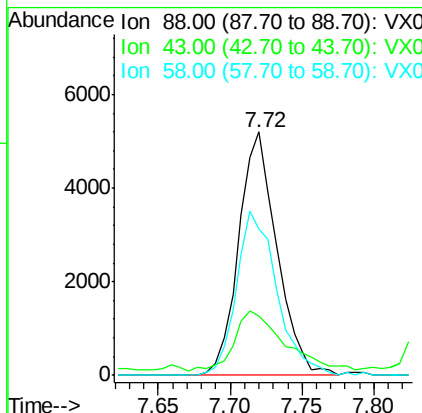
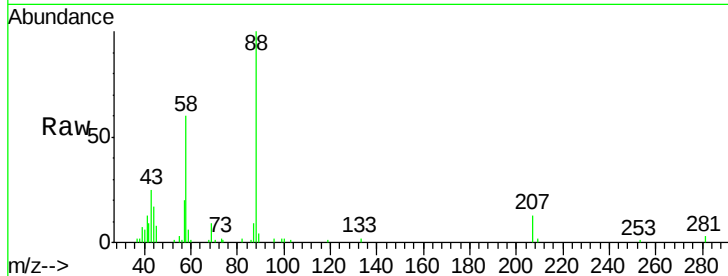
#49
1,4-Dioxane
Concen: 100.647 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.3	37.9
58	71.6	55.9	83.9

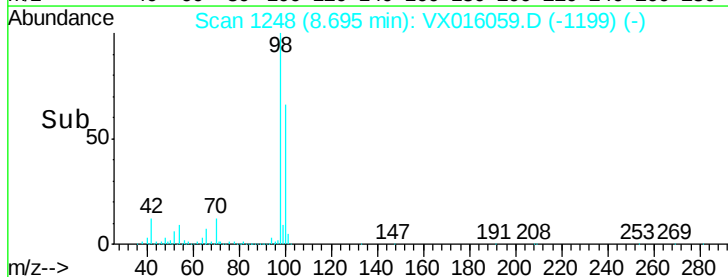
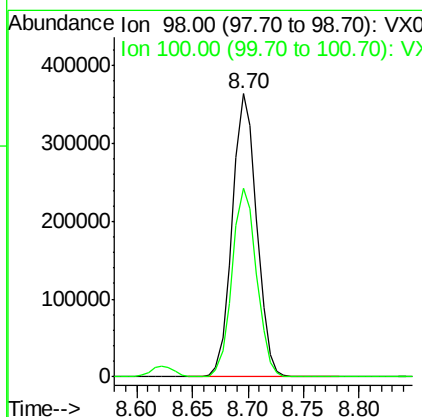
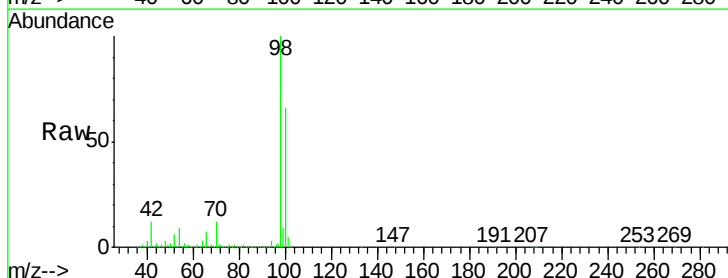
Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#50
Toluene-d8
Concen: 49.190 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 25.143 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 43 Resp: 128706

Ion Ratio Lower Upper

43 100

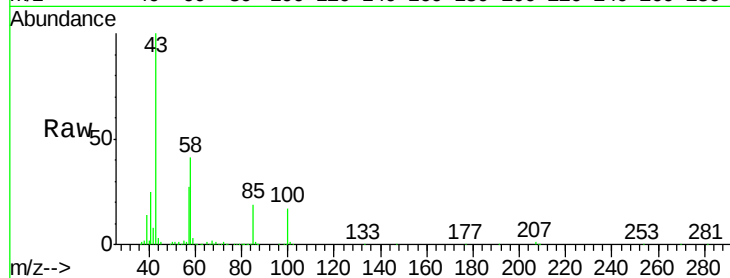
58 40.1 33.0 49.4

Manual Integrations

APPROVED

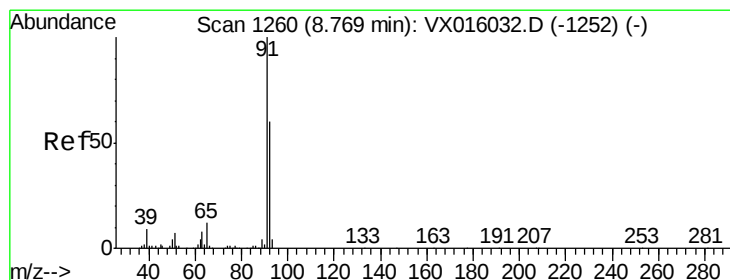
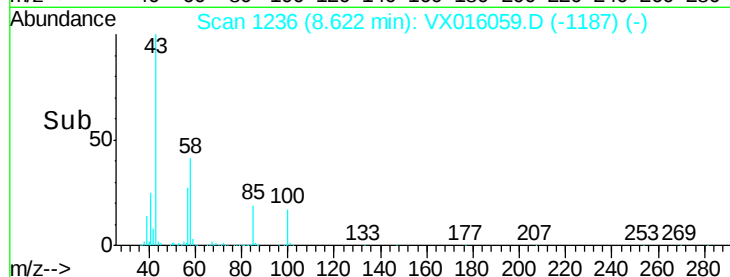
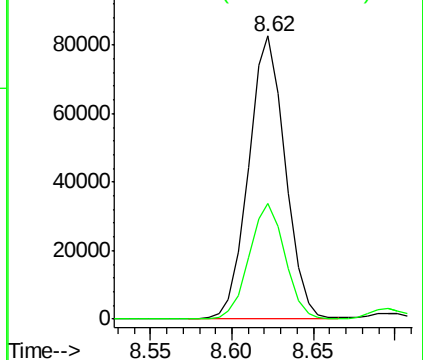
MMDadoda

5/6/2020 12:27:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.173 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016059.D

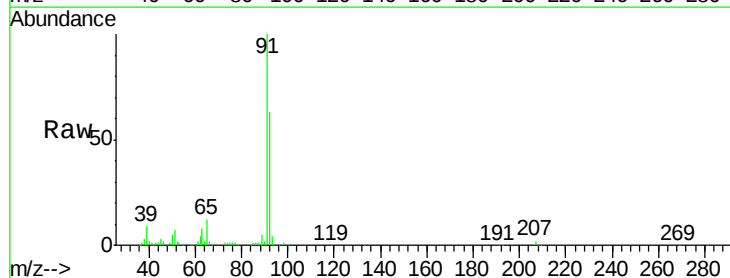
Acq: 05 May 2020 13:26

Tgt Ion: 92 Resp: 42680

Ion Ratio Lower Upper

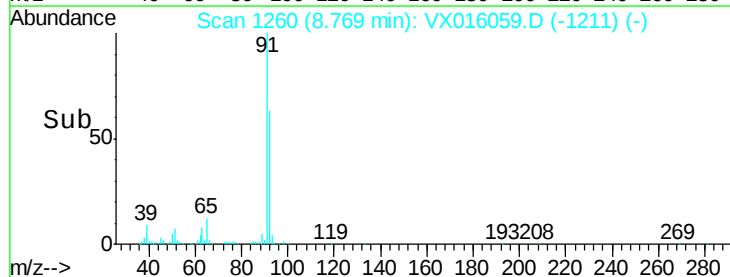
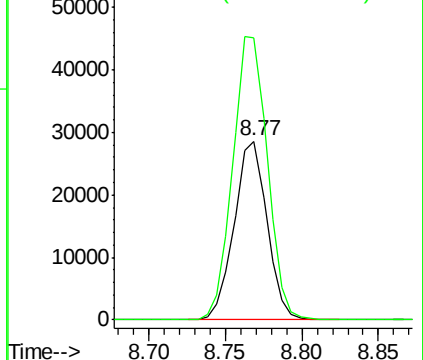
92 100

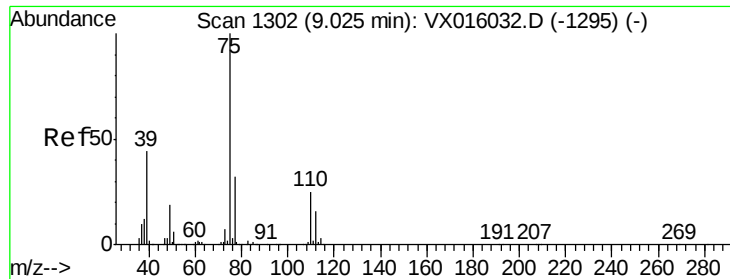
91 166.8 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





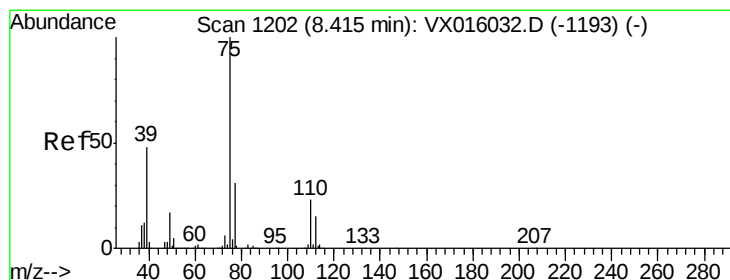
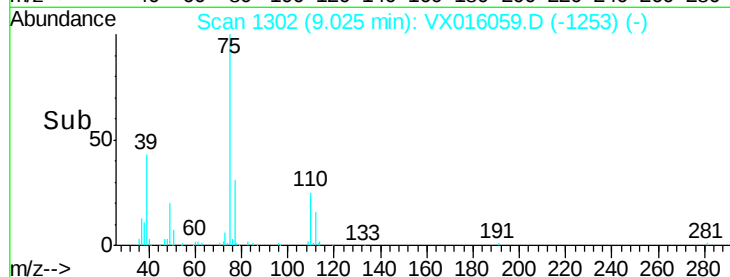
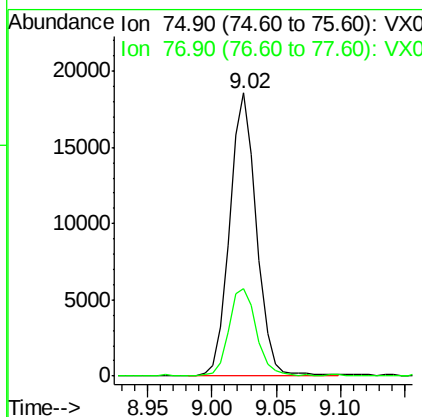
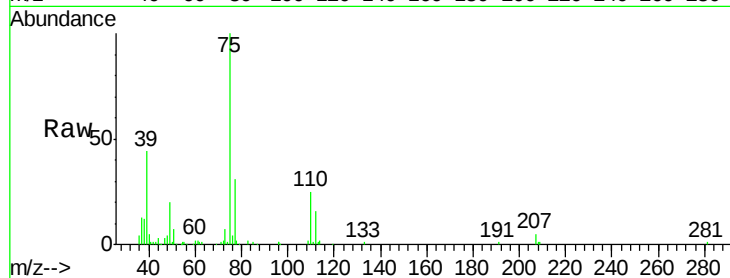
#53
t-1,3-Dichloropropene
Concen: 4.896 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.7	38.5

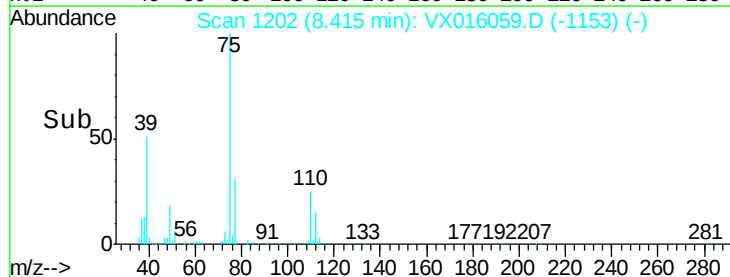
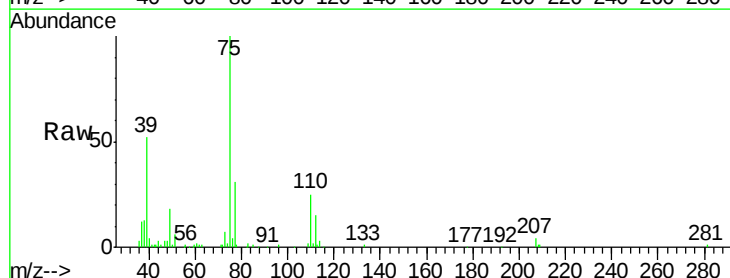
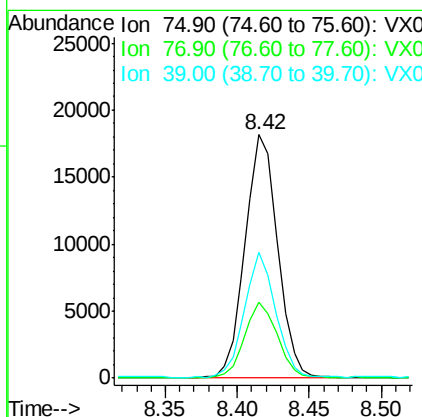
Manual Integrations
APPROVED

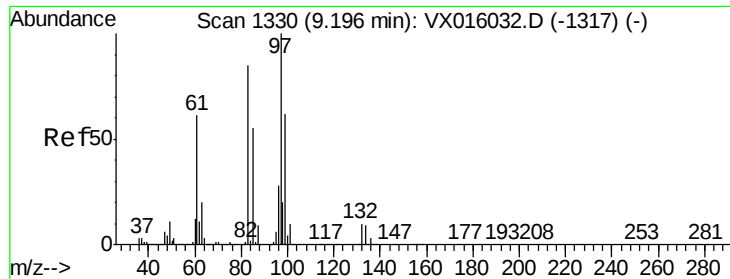
MMDadoda
5/6/2020 12:27:30 PM



#54
cis-1,3-Dichloropropene
Concen: 4.928 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	51.2	38.7	58.1





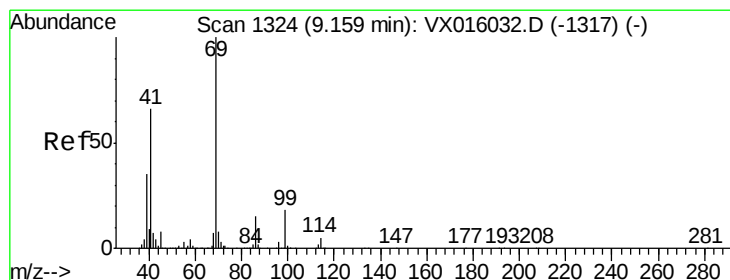
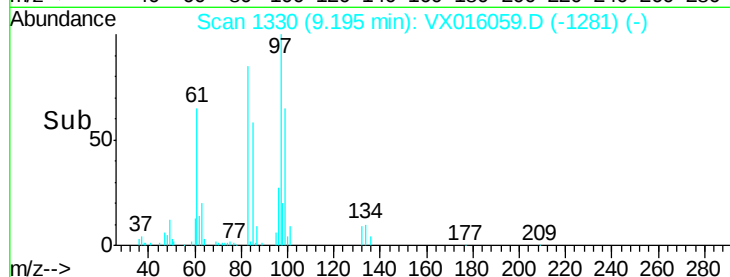
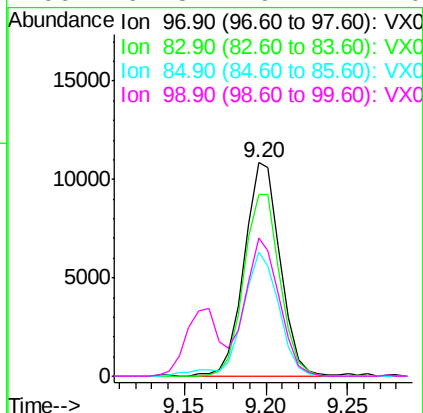
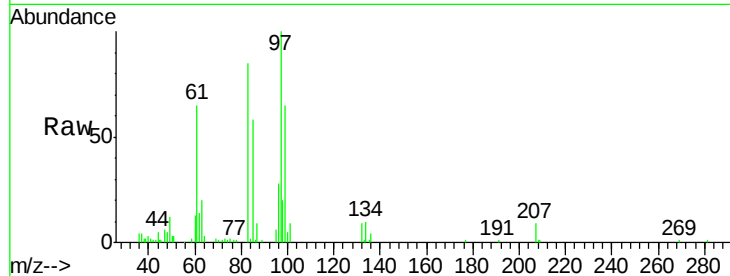
#55
 1,1,2-Trichloroethane
 Concen: 5.141 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion:	97	Resp:	16688
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.8	101.8
85	58.4	43.8	65.8
99	64.8	49.4	74.0

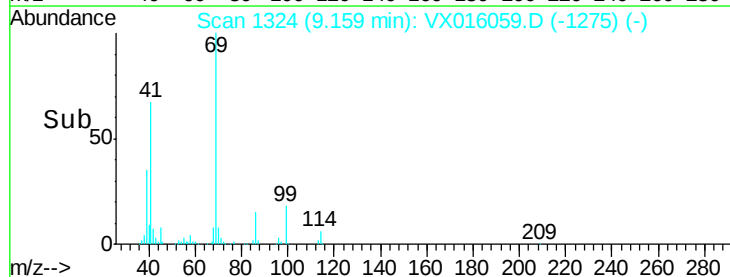
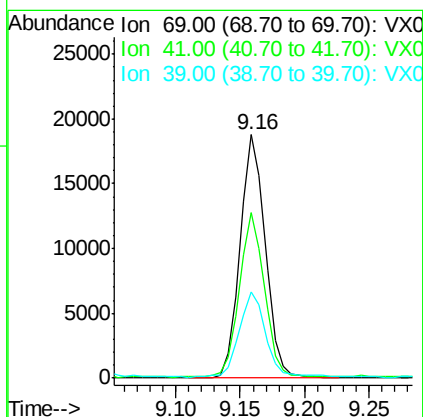
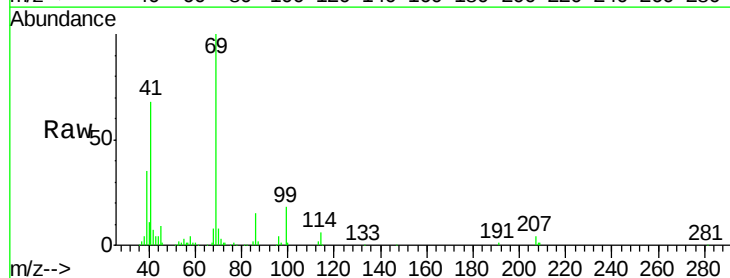
Manual Integrations
 APPROVED

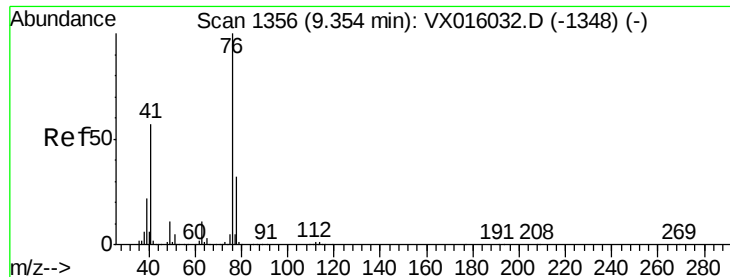
MMDadoda
 5/6/2020 12:27:30 PM



#56
 Ethyl methacrylate
 Concen: 4.808 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion:	69	Resp:	25472
Ion	Ratio	Lower	Upper
69	100		
41	66.8	52.2	78.4
39	37.5	28.2	42.4





#57

1,3-Dichloropropane

Concen: 5.151 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 76 Resp: 29171

Ion Ratio Lower Upper

76 100

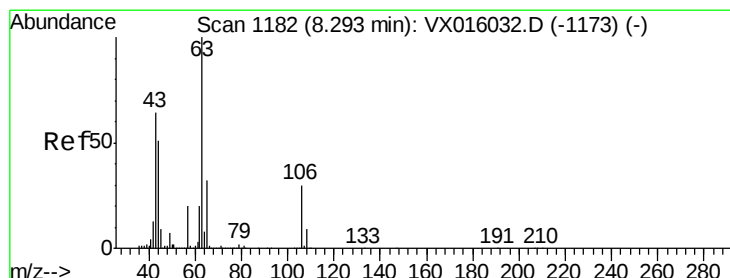
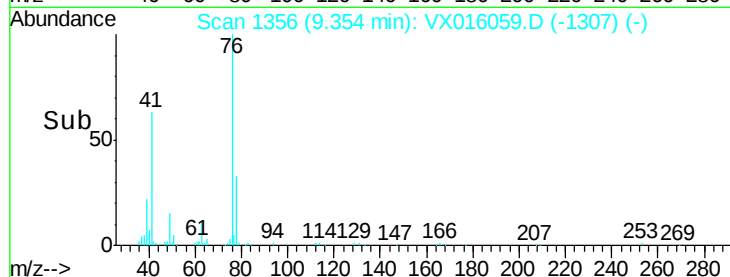
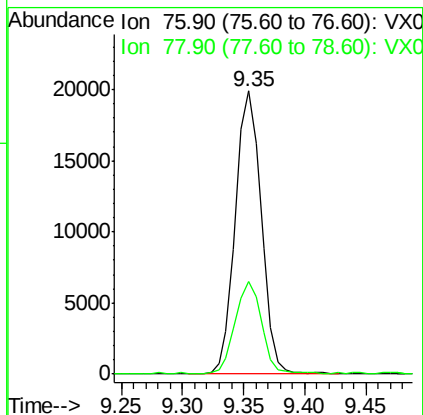
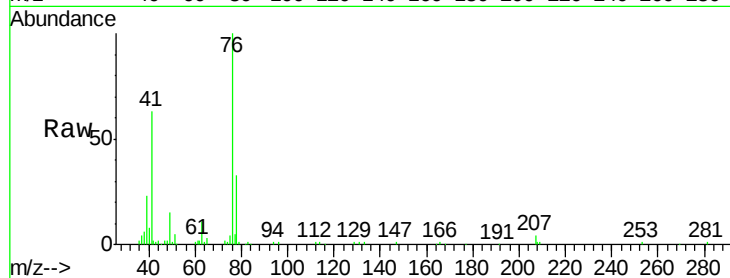
78 32.6 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

5/6/2020 12:27:30 PM



#58

2-Chloroethyl Vinyl ether

Concen: 24.462 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016059.D

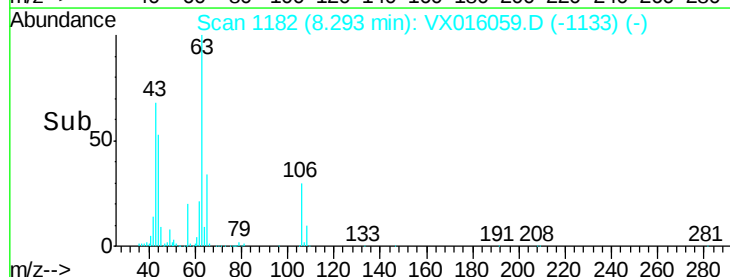
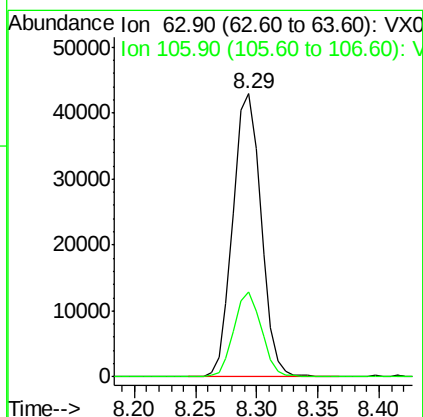
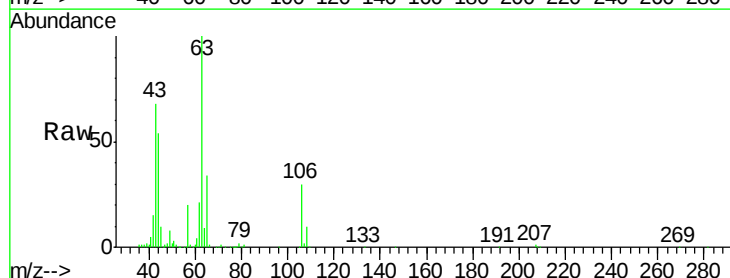
Acq: 05 May 2020 13:26

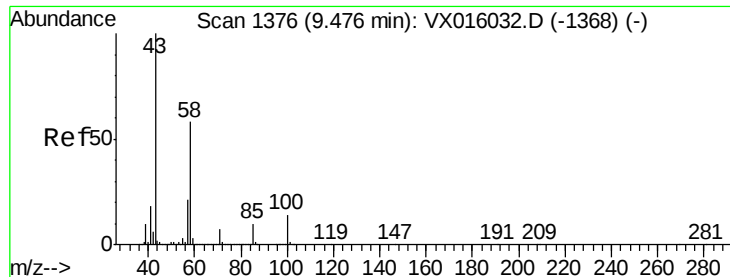
Tgt Ion: 63 Resp: 68999

Ion Ratio Lower Upper

63 100

106 29.2 23.4 35.2





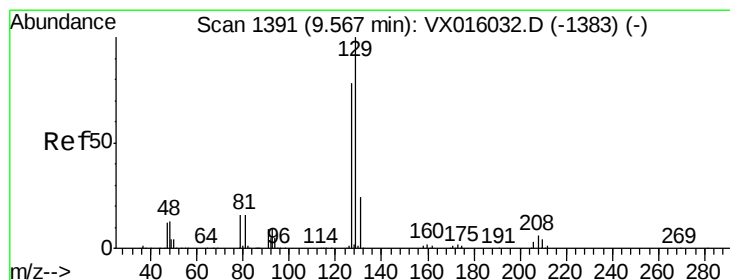
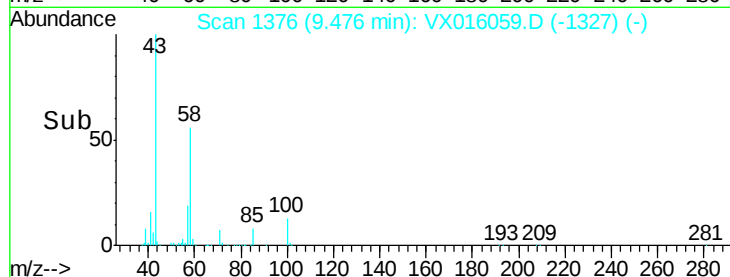
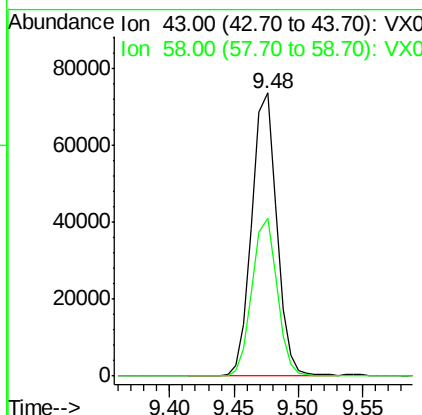
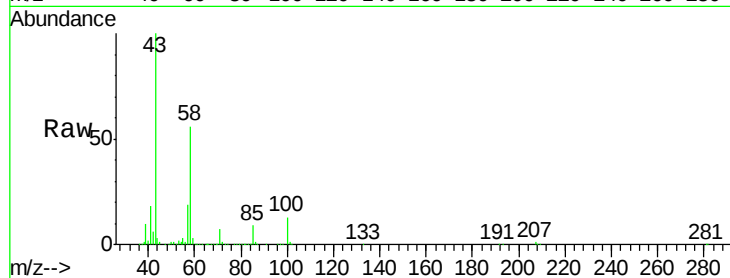
#59
2-Hexanone
Concen: 24.348 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion: 43 Resp: 97882
Ion Ratio Lower Upper
43 100
58 56.6 28.6 85.9

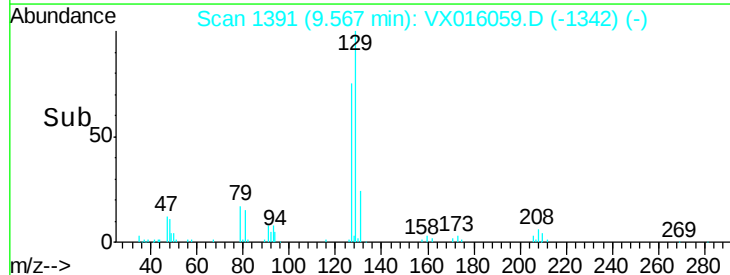
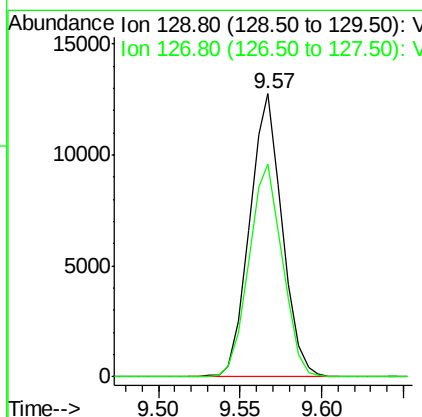
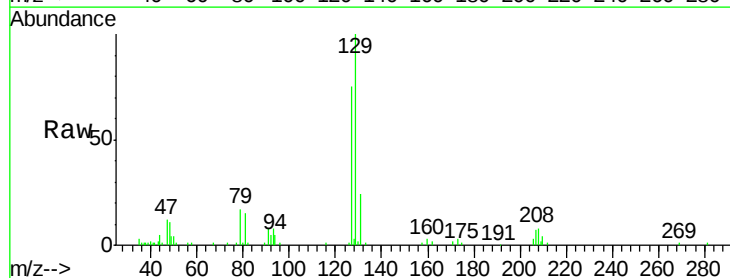
Manual Integrations
APPROVED

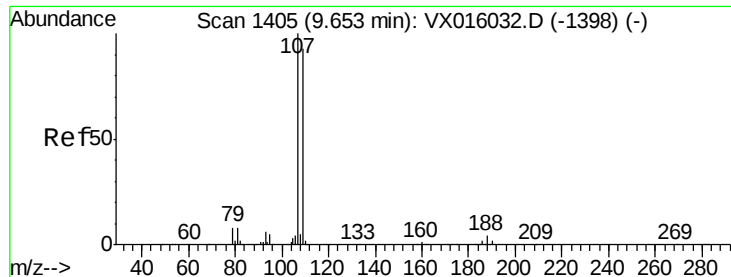
MMDadoda
5/6/2020 12:27:30 PM



#60
Dibromochloromethane
Concen: 4.940 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion: 129 Resp: 17659
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





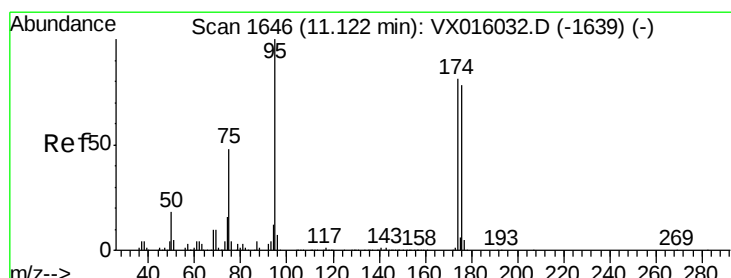
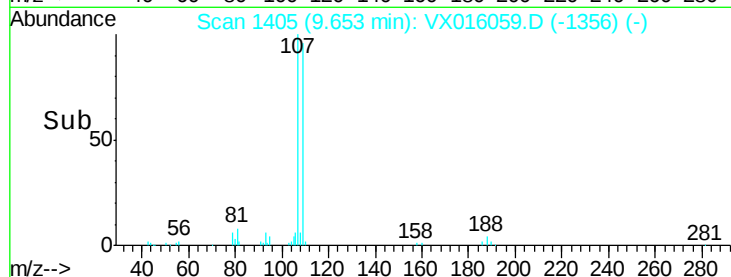
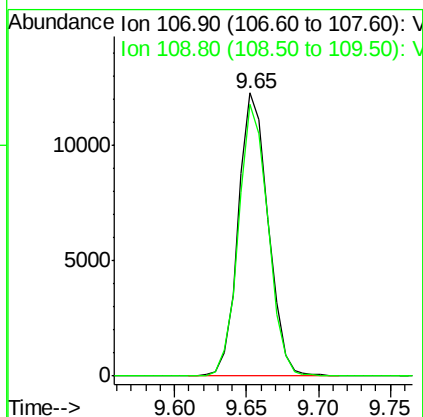
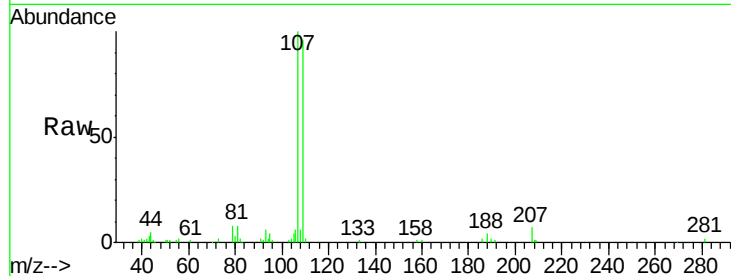
#61
 1,2-Dibromoethane
 Concen: 5.028 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.9	112.3

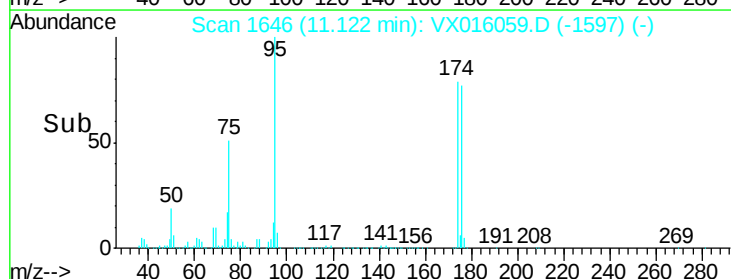
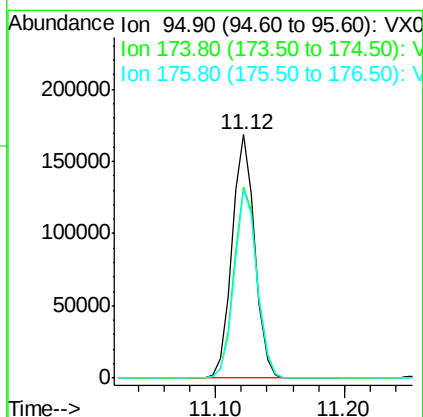
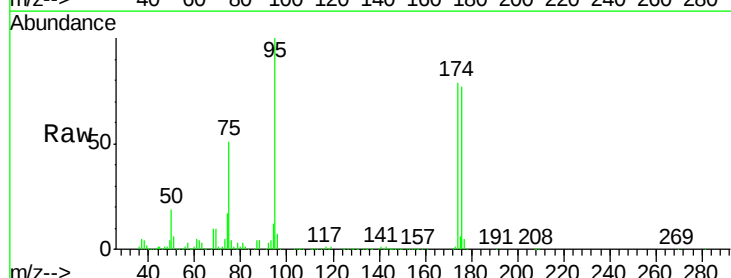
Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:27:30 PM



#62
 4-Bromofluorobenzene
 Concen: 48.597 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	159.4
176	77.0	0.0	157.6





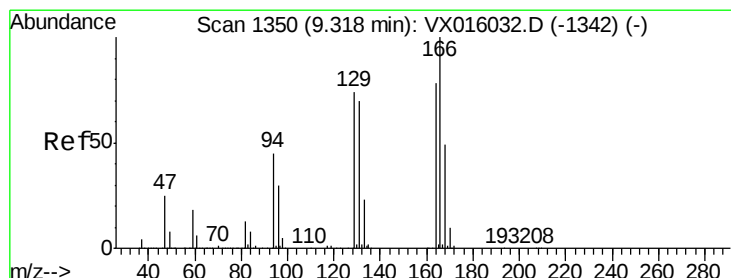
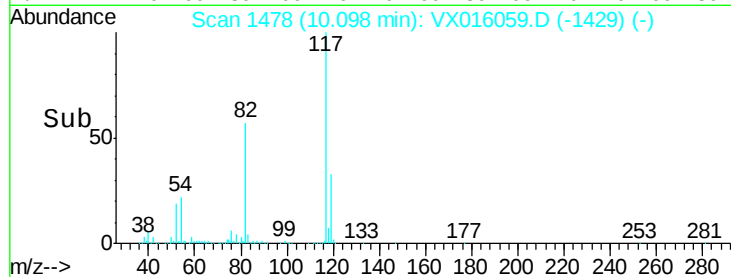
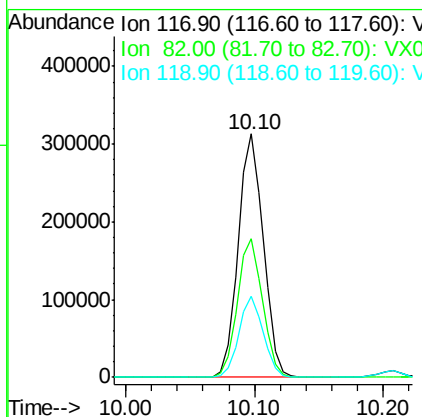
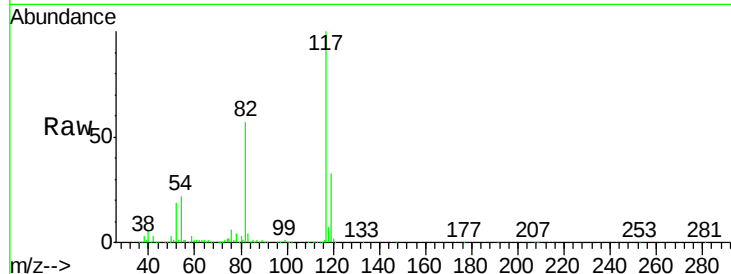
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	422594		
82	57.0		44.4	66.6
119	33.1		25.5	38.3

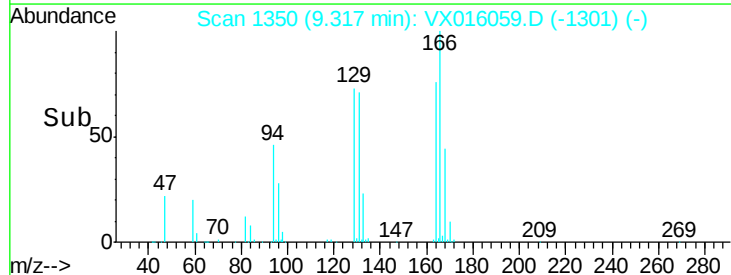
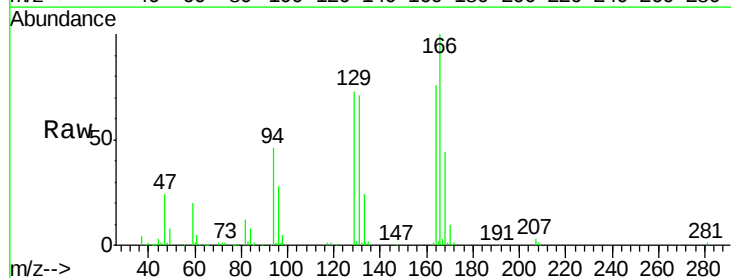
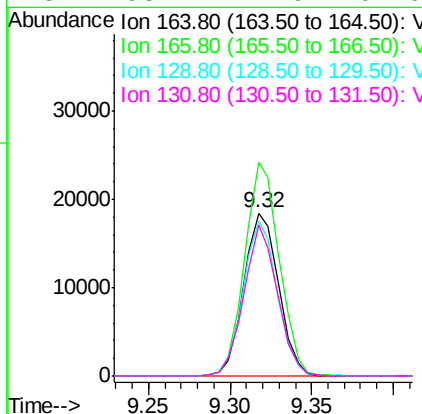
Manual Integrations
APPROVED

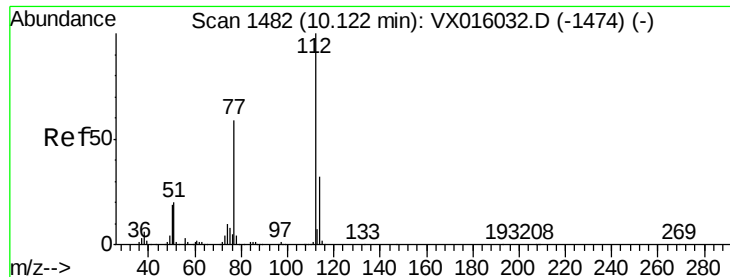
MMDadoda
5/6/2020 12:27:30 PM



#64
Tetrachloroethene
Concen: 5.278 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	27380		
166	131.2		102.9	154.3
129	95.1		76.1	114.1
131	93.1		71.9	107.9





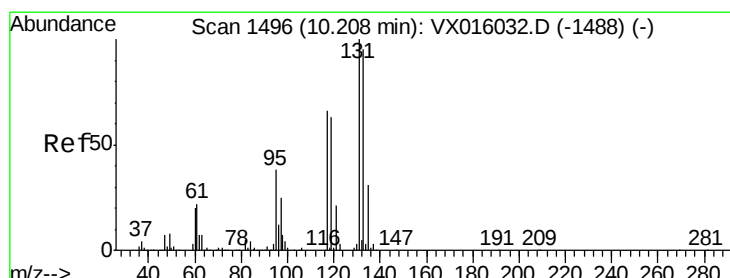
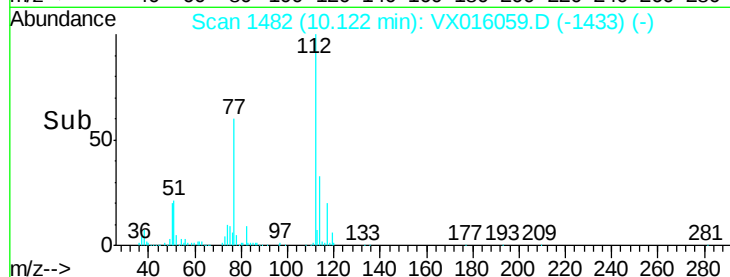
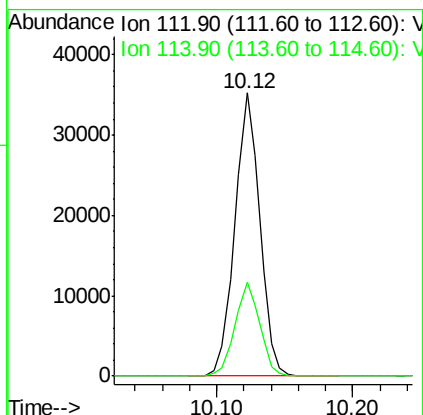
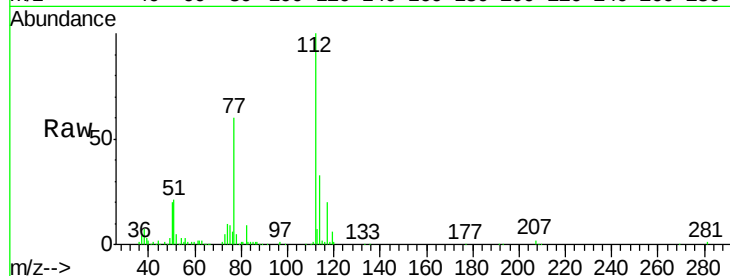
#65
Chlorobenzene
Concen: 5.083 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion:112 Resp: 44979
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5

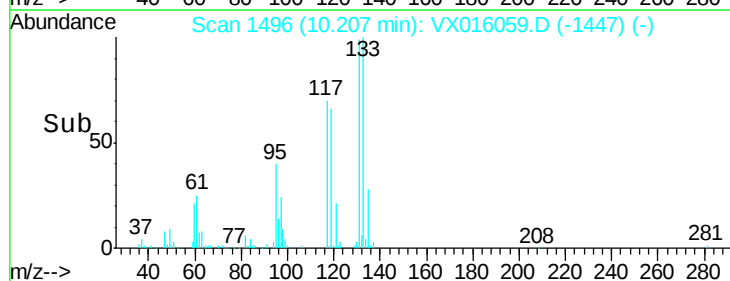
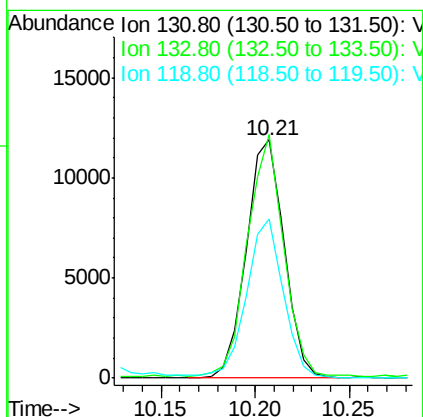
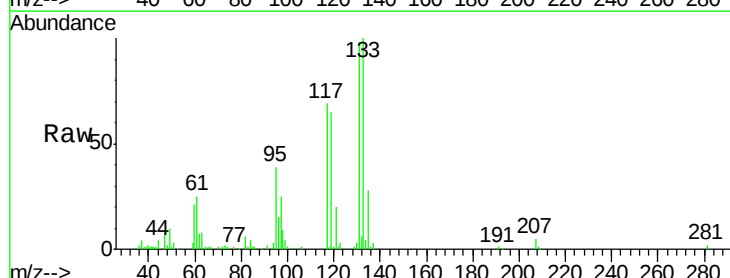
Manual Integrations
APPROVED

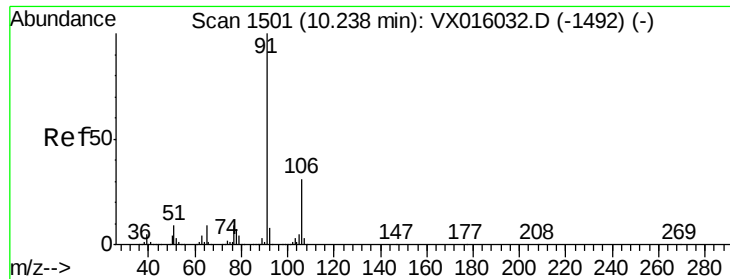
MMDadoda
5/6/2020 12:27:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.051 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion:131 Resp: 16520
Ion Ratio Lower Upper
131 100
133 96.7 48.3 144.8
119 65.1 32.3 96.9





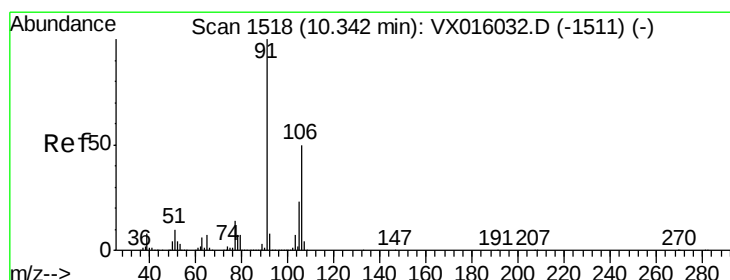
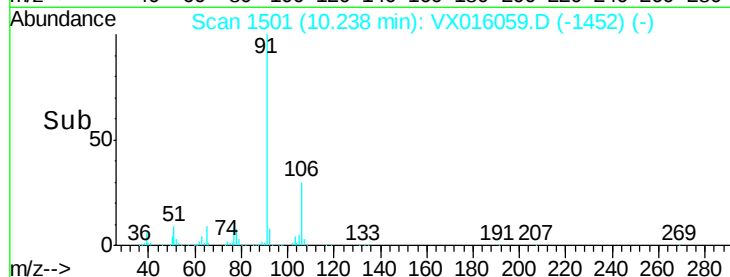
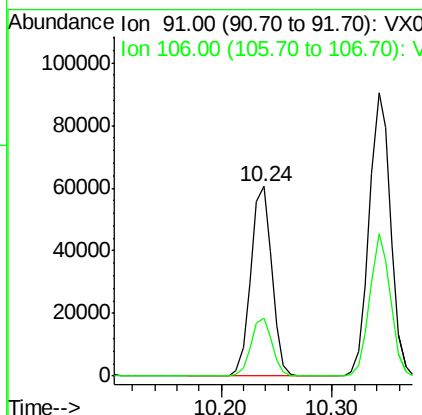
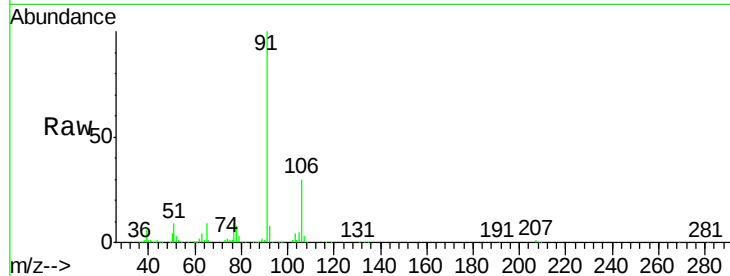
#67
Ethyl Benzene
Concen: 5.054 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion: 91 Resp: 79795
Ion Ratio Lower Upper
91 100
106 30.4 25.1 37.7

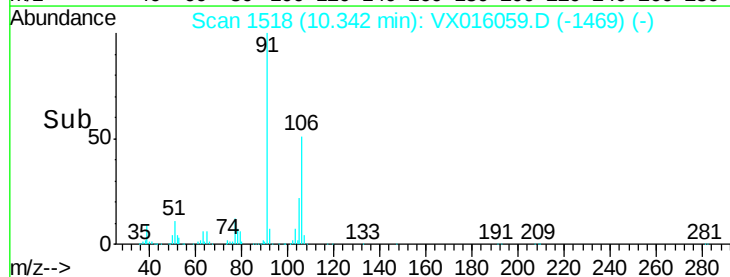
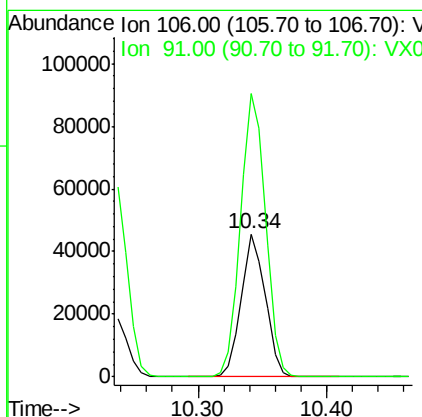
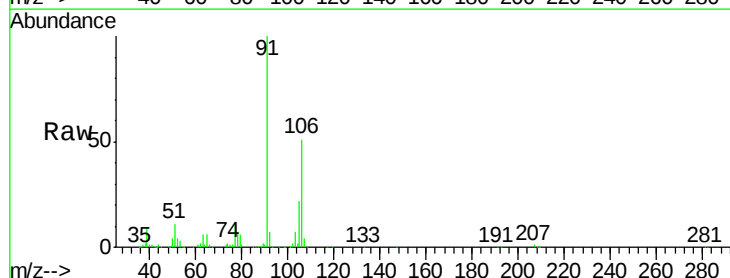
Manual Integrations
APPROVED

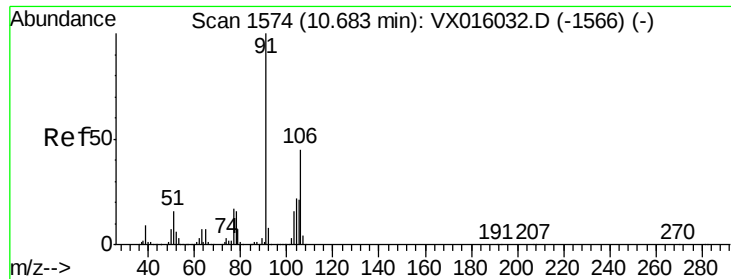
MMDadoda
5/6/2020 12:27:30 PM



#68
m/p-Xylenes
Concen: 10.018 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion: 106 Resp: 59258
Ion Ratio Lower Upper
106 100
91 205.7 161.7 242.5





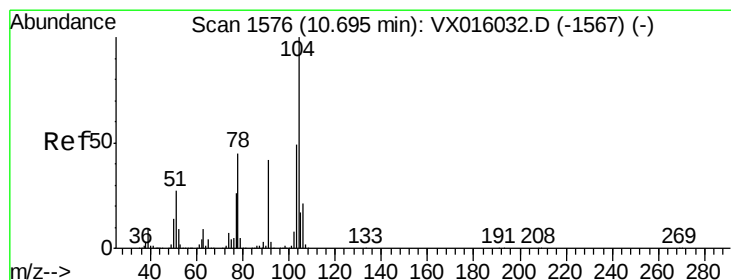
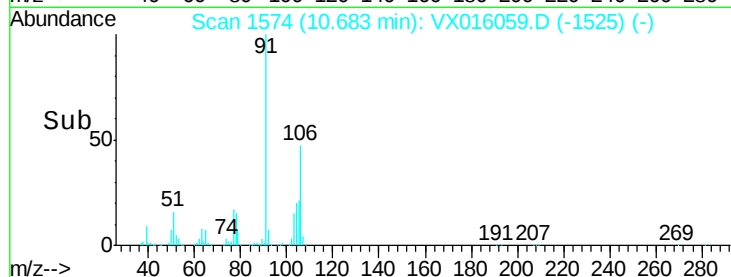
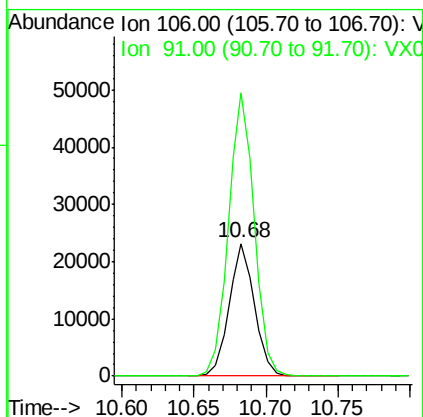
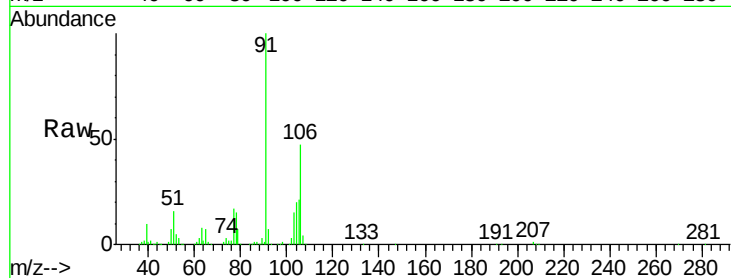
#69
o-Xylene
Concen: 5.039 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.2	107.5	322.6

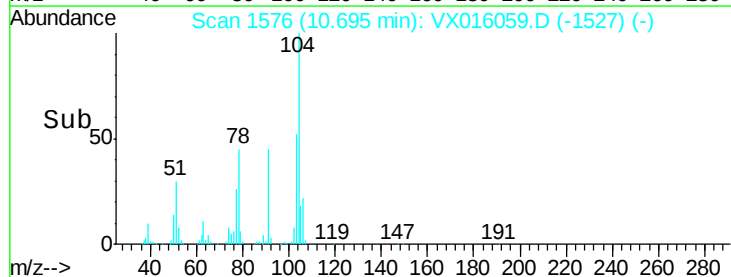
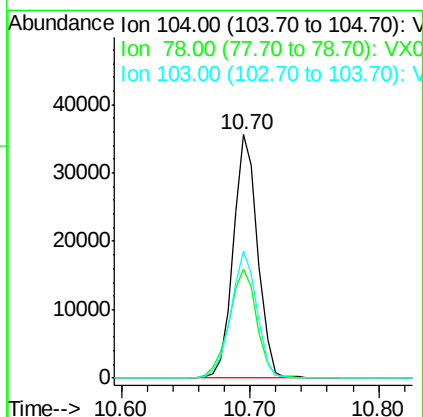
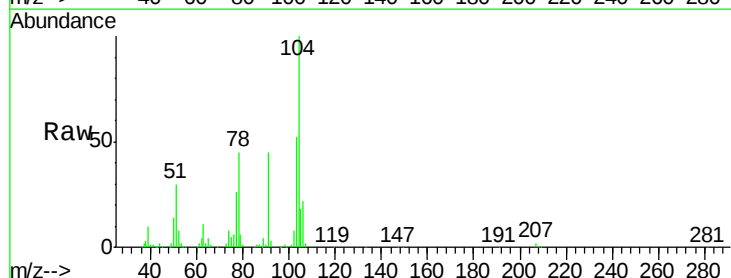
Manual Integrations
APPROVED

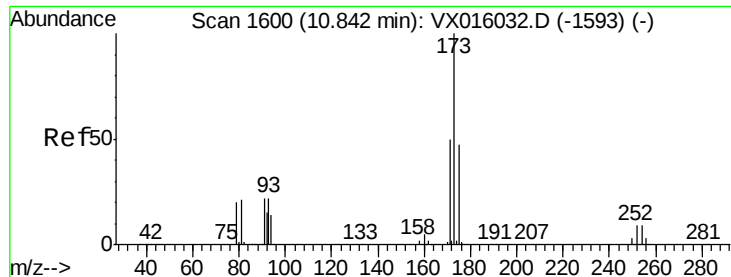
MMDadoda
5/6/2020 12:27:30 PM



#70
Styrene
Concen: 4.872 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.2	60.2
103	56.2	43.0	64.6





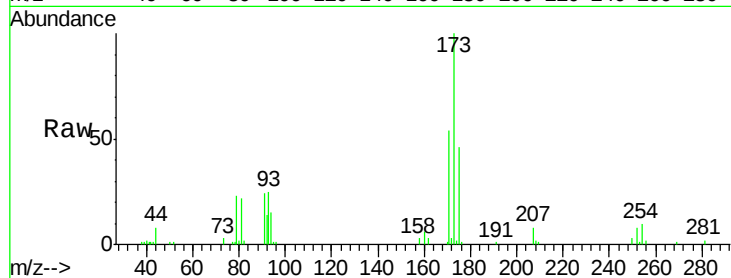
#71
Bromoform
Concen: 4.742 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

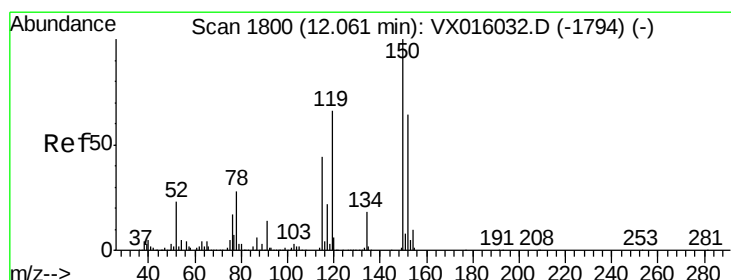
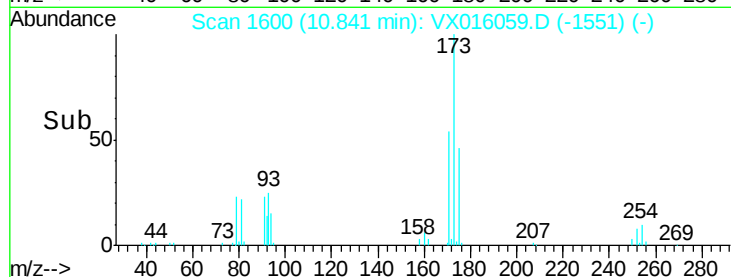
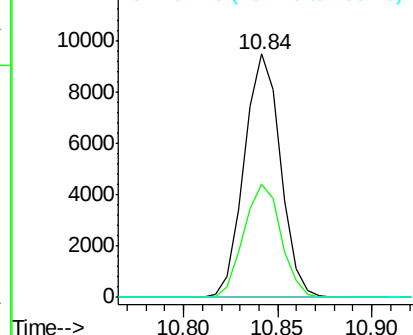
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM

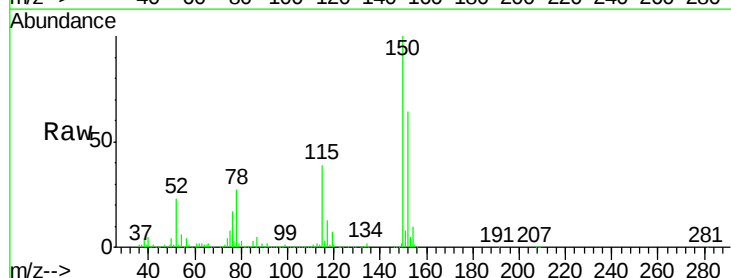


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

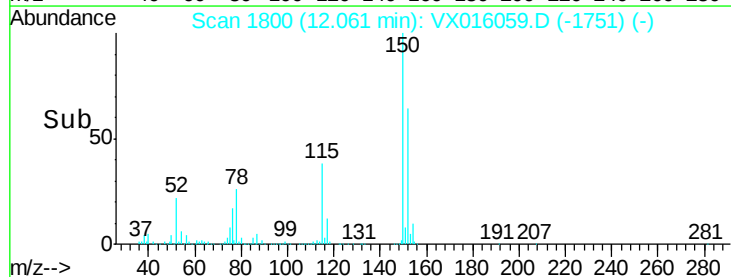
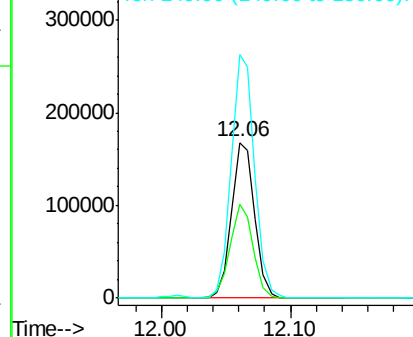


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	41.3	124.1
150	158.4	0.0	352.2



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: 5.000 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 76867

Ion Ratio Lower Upper

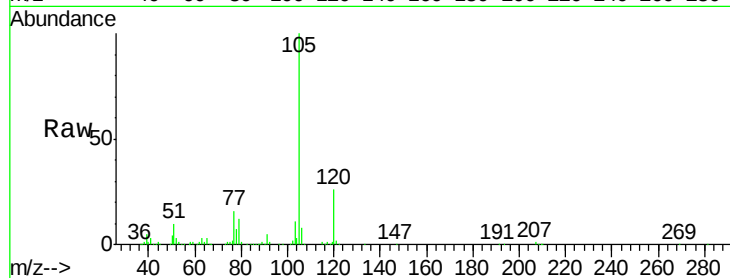
105 100

120 26.5 13.4 40.2

Manual Integrations
APPROVED

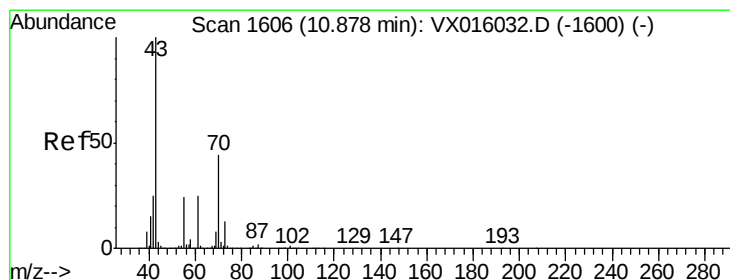
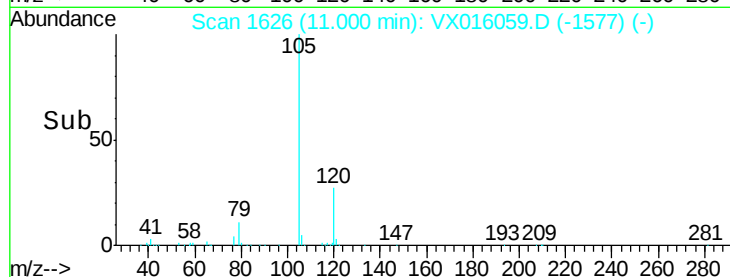
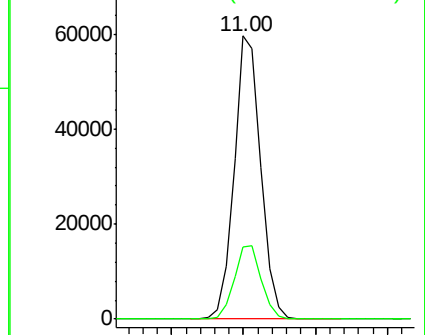
MMDadoda

5/6/2020 12:27:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.747 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion: 43 Resp: 34043

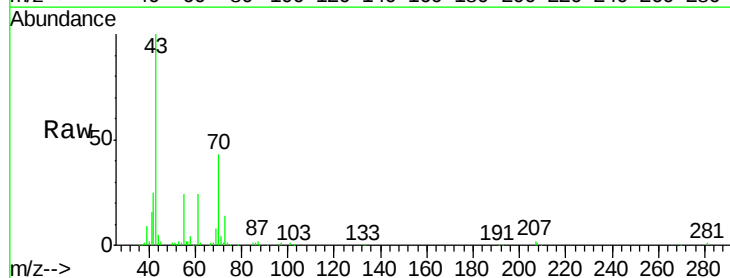
Ion Ratio Lower Upper

43 100

70 44.1 36.5 54.7

55 25.6 19.7 29.5

61 25.7 20.9 31.3

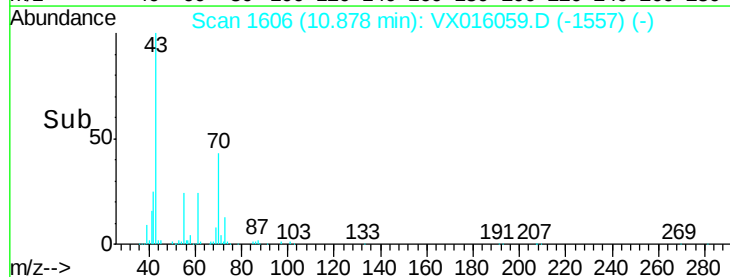
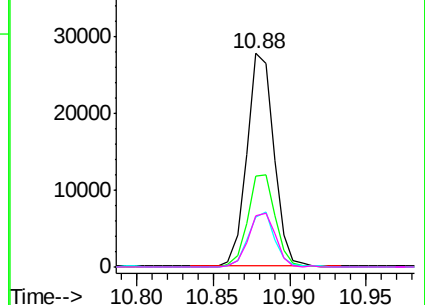


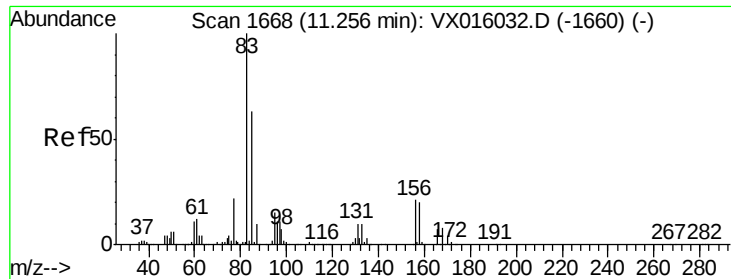
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.362 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

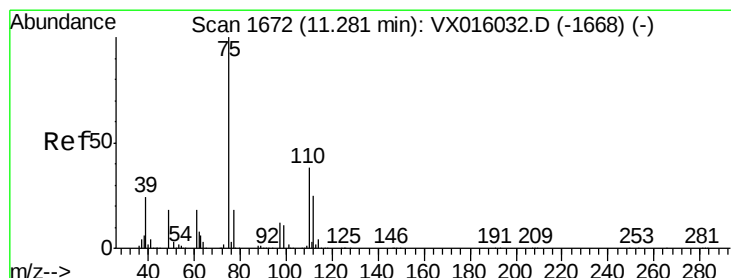
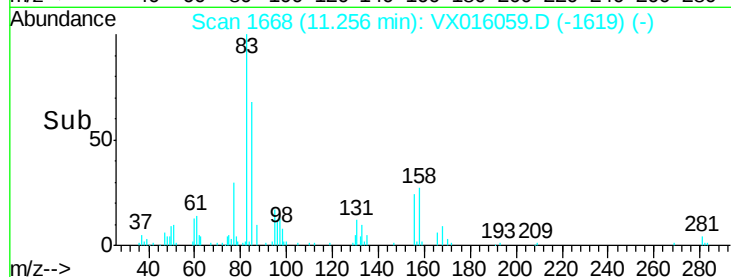
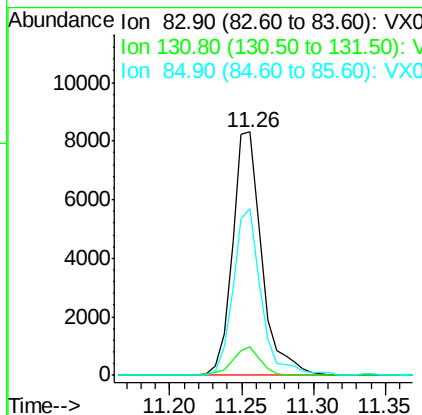
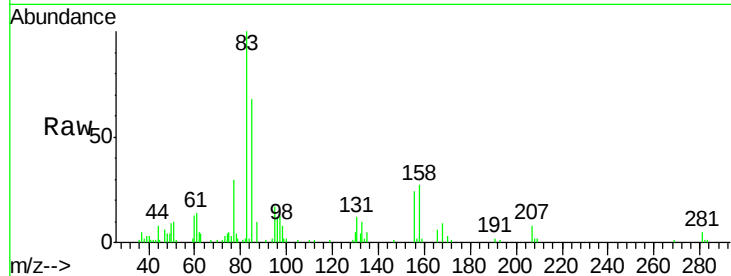
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	83	Resp:	11827
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.1	15.4
85	65.4	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#76

1,2,3-Trichloropropane

Concen: 5.047 ug/l m

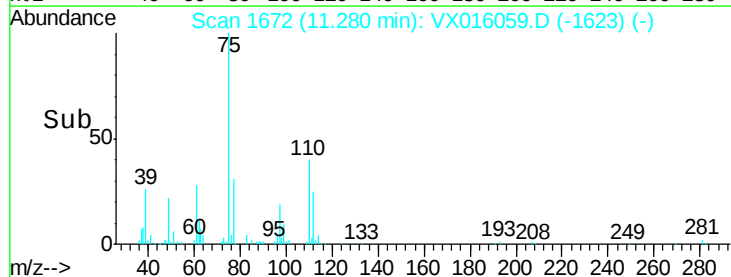
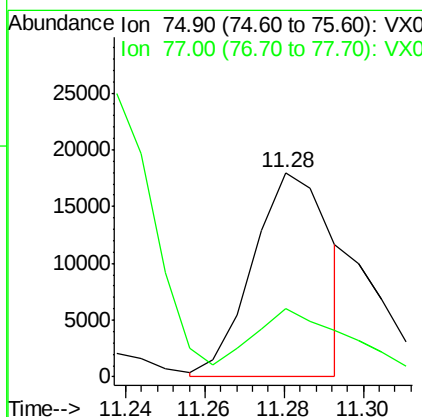
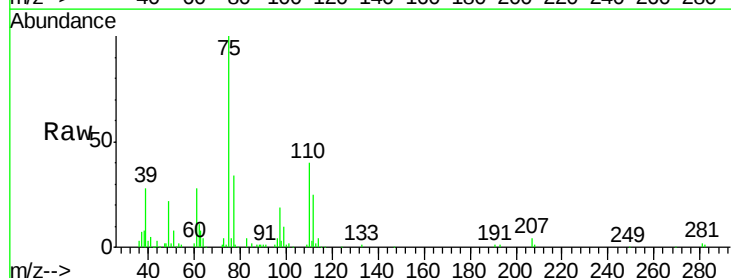
RT: 11.28 min Scan# 1672

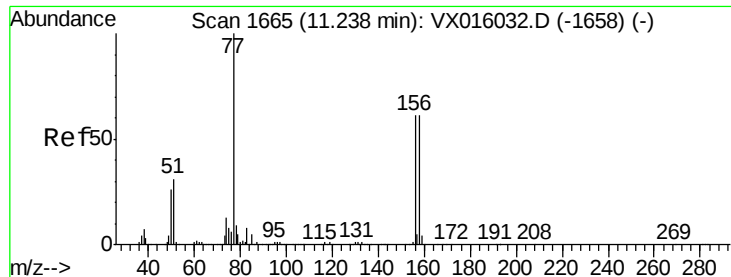
Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion:	75	Resp:	24208
Ion Ratio	Lower	Upper	
75	100		
77	43.4	21.2	63.6





#77

Bromobenzene

Concen: 4.949 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

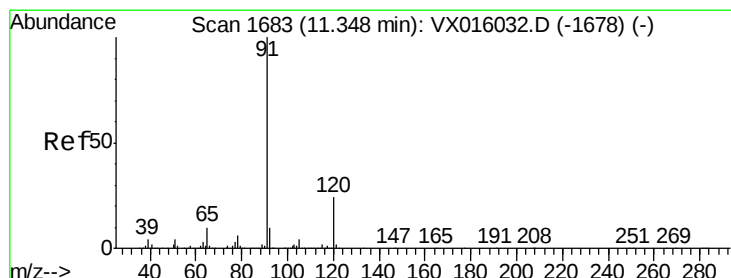
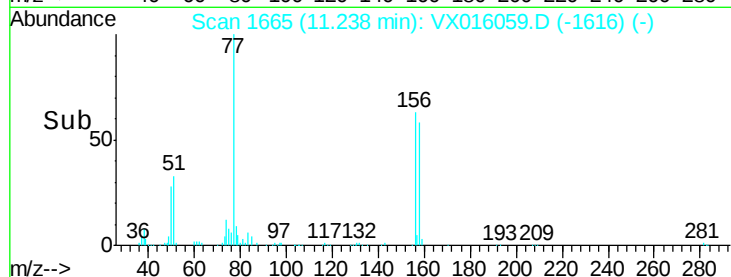
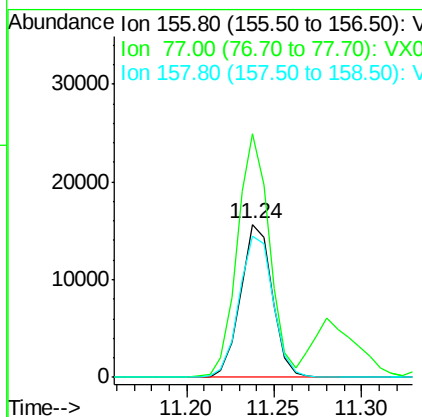
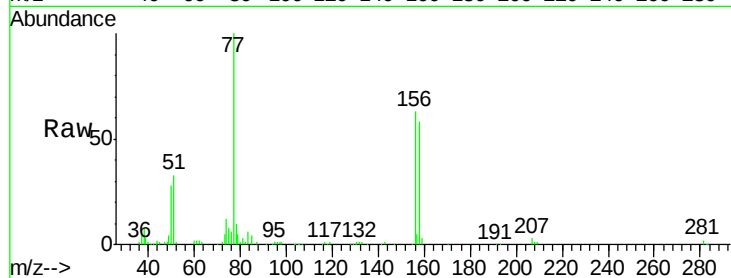
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	156	Resp:	19640
Ion Ratio	Lower	Upper	
156	100		
77	162.0	80.1	240.3
158	98.8	49.4	148.2

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#78

n-propylbenzene

Concen: 4.921 ug/l

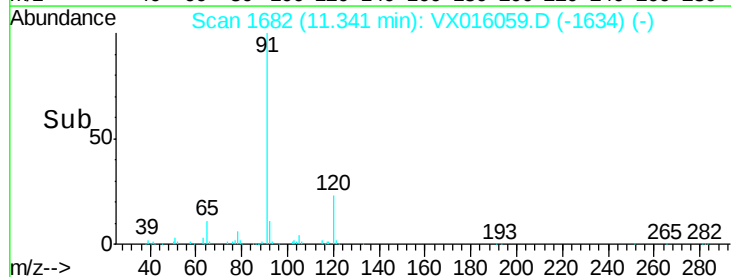
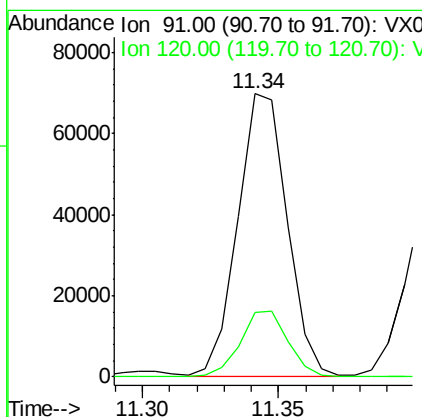
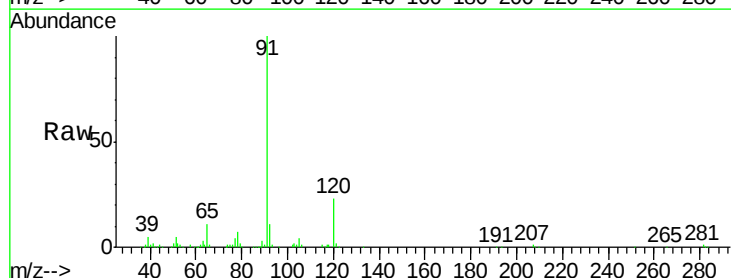
RT: 11.34 min Scan# 1682

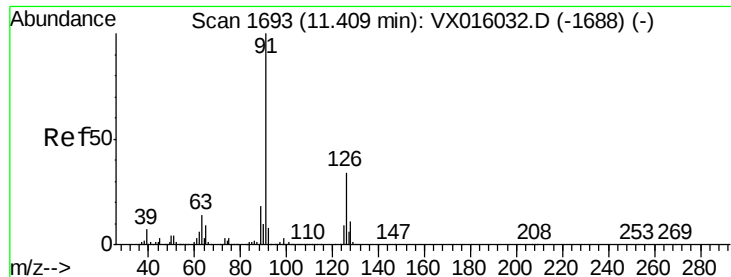
Delta R.T. -0.01 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion:	91	Resp:	88019
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 5.039 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion: 91 Resp: 53196

Ion Ratio Lower Upper

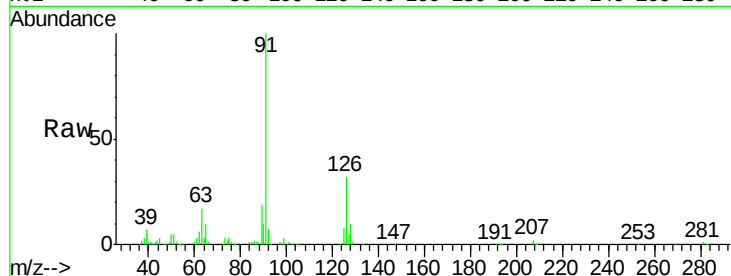
91 100

126 33.5 16.9 50.6

Manual Integrations
APPROVED

MMDadoda

5/6/2020 12:27:30 PM



Abundance Ion 91.00 (90.70 to 91.70): VX016032.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016032.D (-1688) (-)

80000

60000

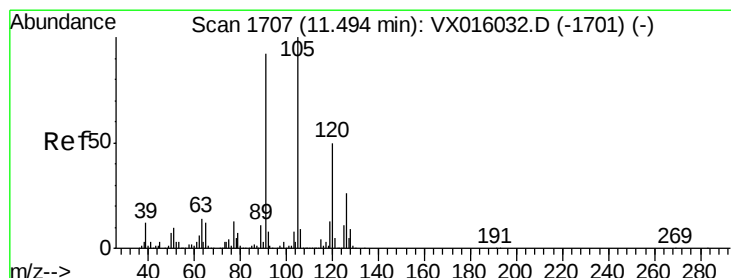
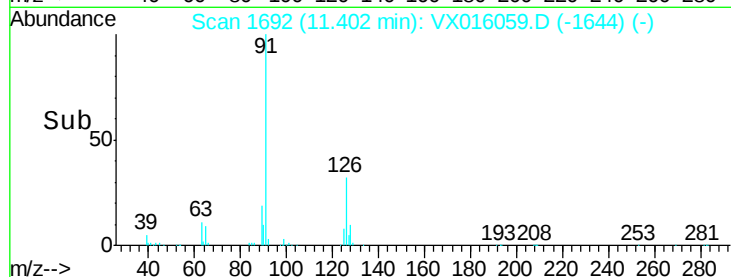
40000

20000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.942 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016059.D

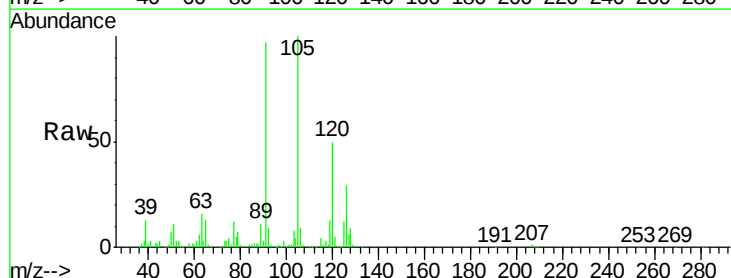
Acq: 05 May 2020 13:26

Tgt Ion: 105 Resp: 64150

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX016032.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX016032.D (-1701) (-)

60000

50000

40000

30000

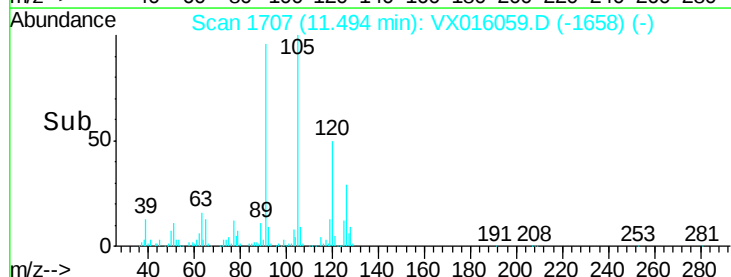
20000

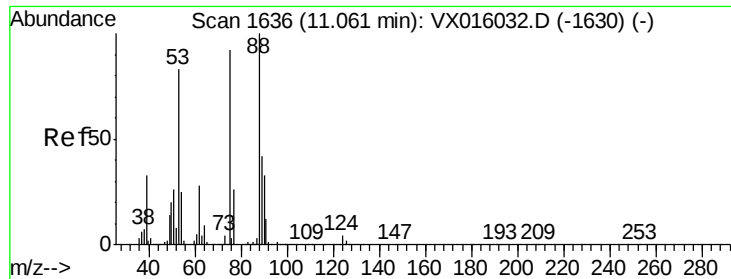
10000

0

11.45 11.50 11.55

Time-->





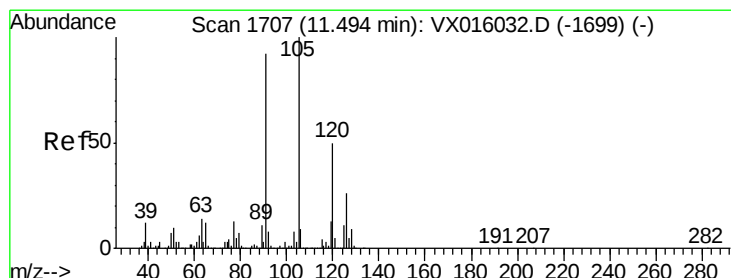
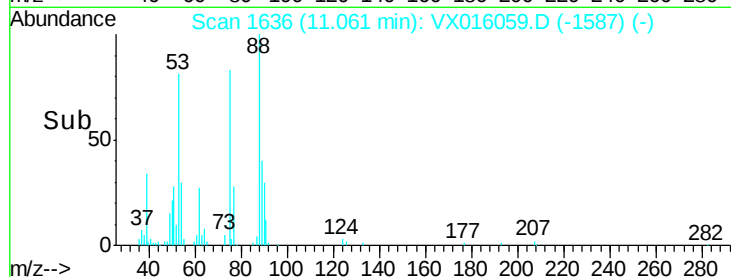
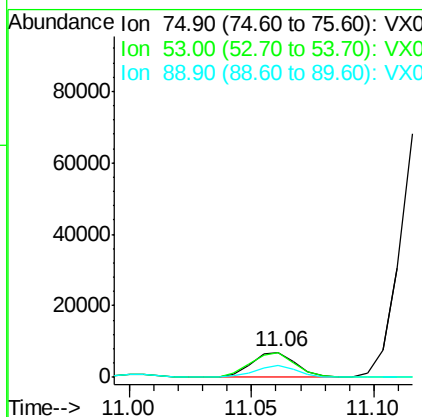
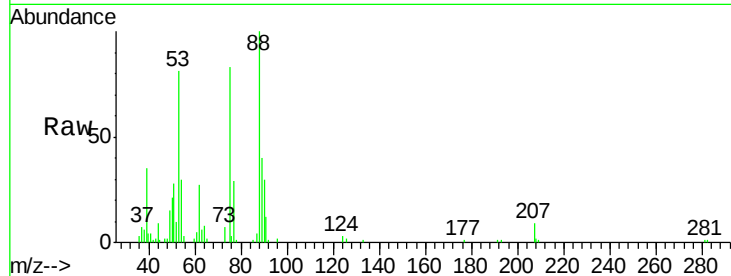
#81
trans-1,4-Dichloro-2-butene
Concen: 4.522 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	73.1	109.7
89	45.3	36.7	55.1

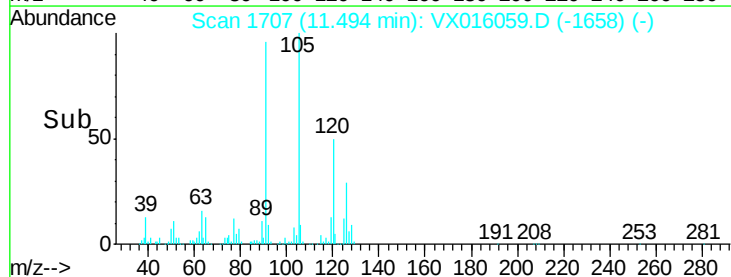
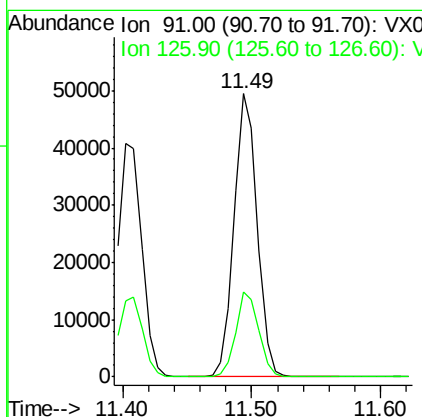
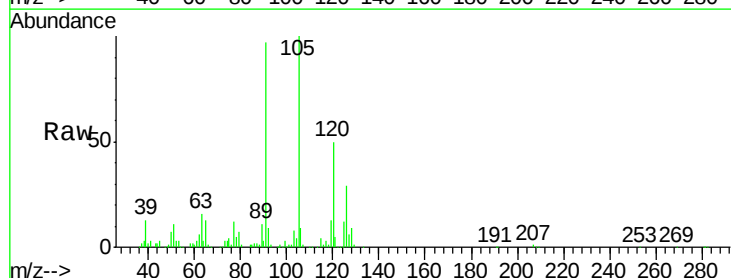
Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#82
4-Chlorotoluene
Concen: 4.975 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.3





#83

tert-Butylbenzene

Concen: 4.945 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

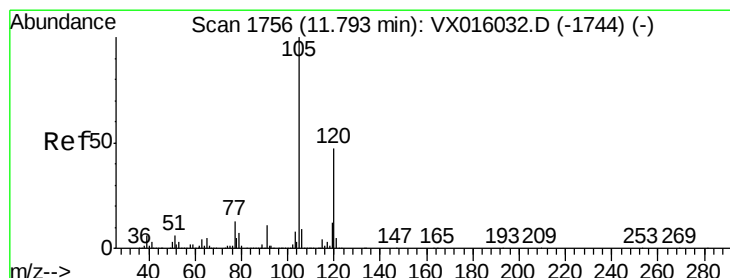
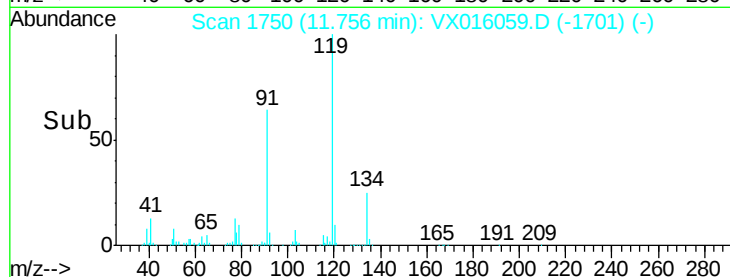
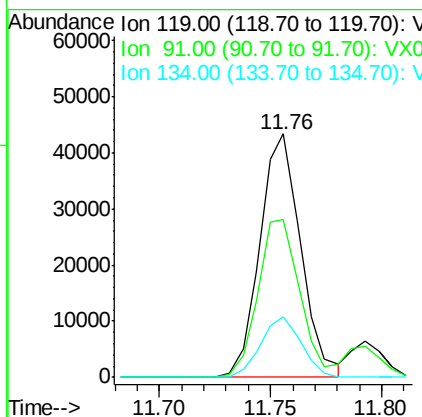
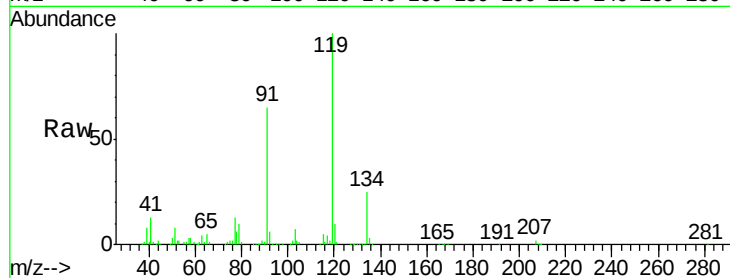
ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:	119	Resp:	55316
Ion Ratio	Lower	Upper	
119	100		
91	65.9	32.8	98.4
134	24.7	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#84

1,2,4-Trimethylbenzene

Concen: 4.896 ug/l

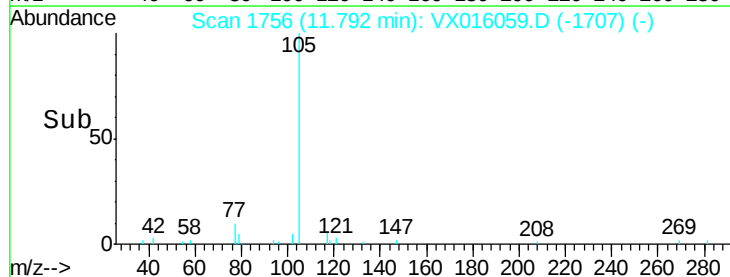
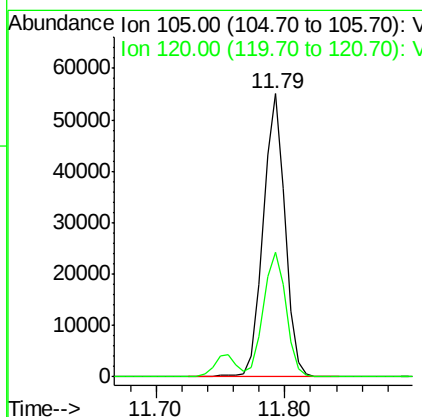
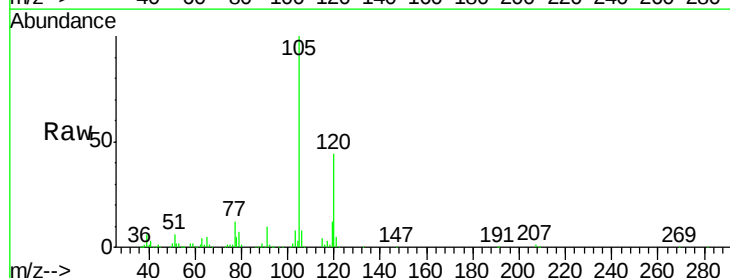
RT: 11.79 min Scan# 1756

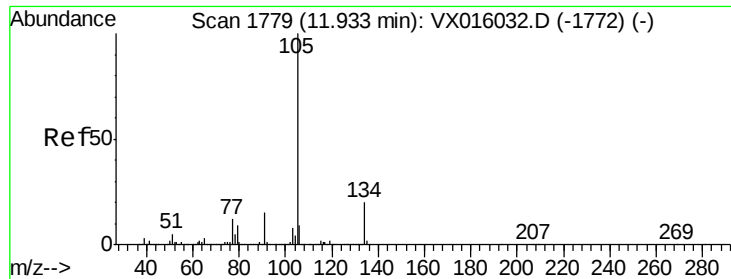
Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Tgt Ion:	105	Resp:	64258
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 4.886 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2020

Tot Ion:105 Resp: 73793

Ion Ratio Lower Upper

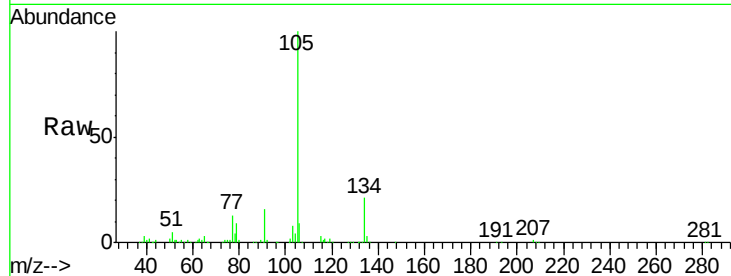
105 100

134 20.0 10.1 30.3

Manual Integrations
APPROVED

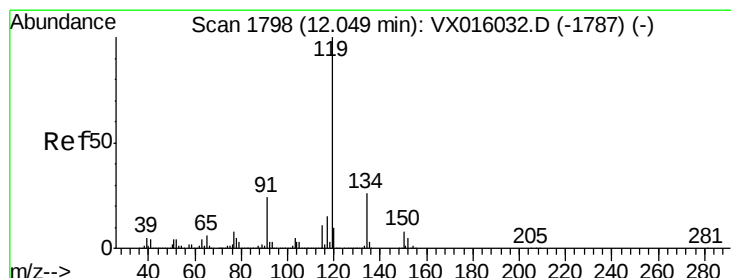
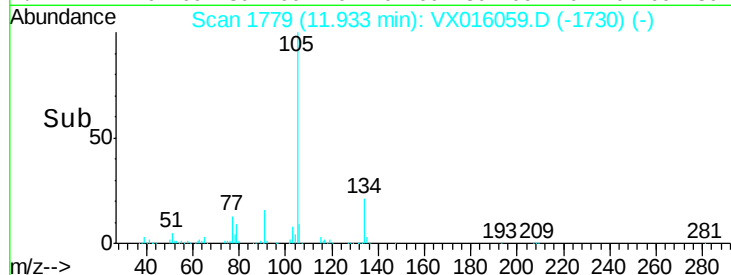
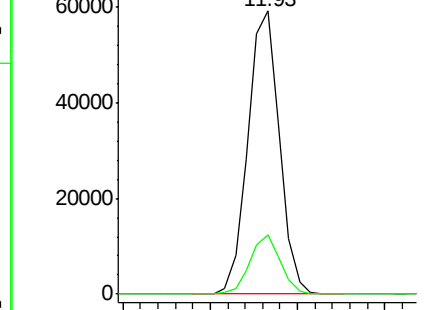
MMDadoda

5/6/2020 12:27:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.855 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016059.D

Acq: 05 May 2020 13:26

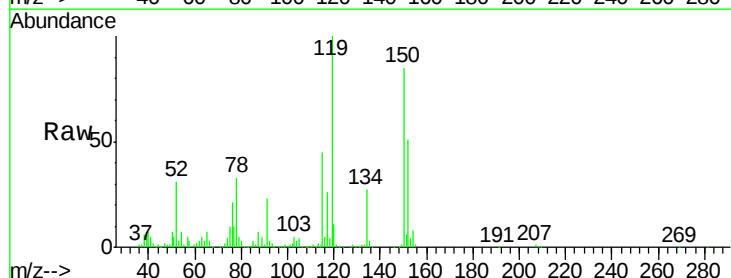
Tgt Ion:119 Resp: 68081

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

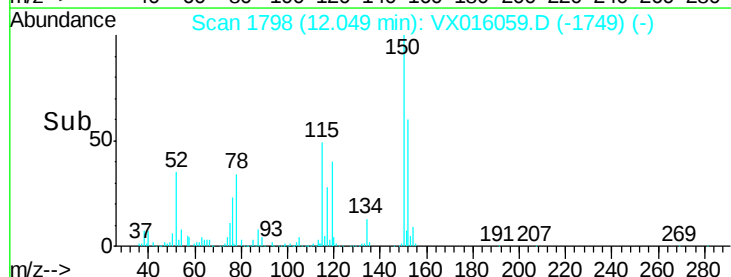
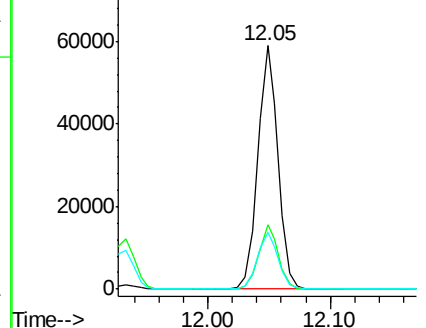
91 24.2 11.8 35.4

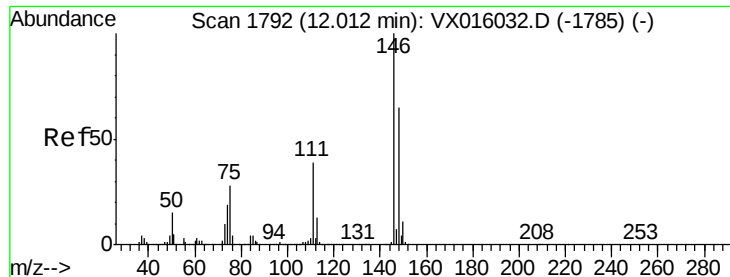


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





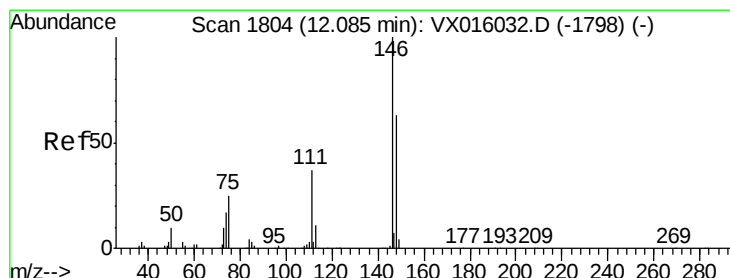
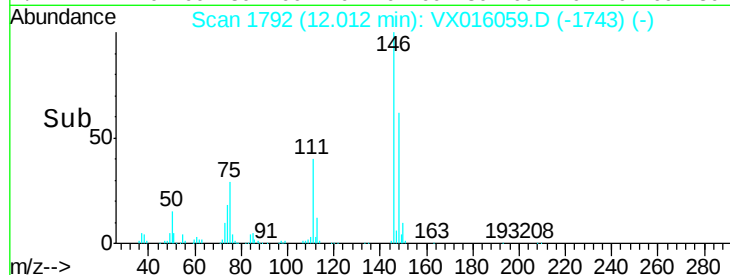
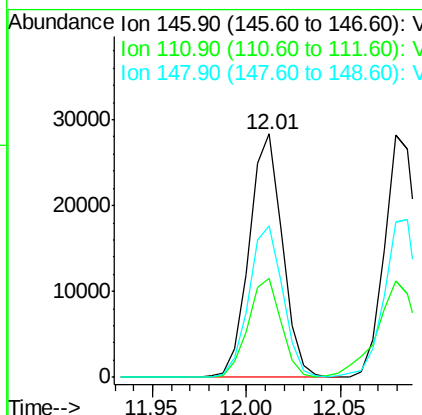
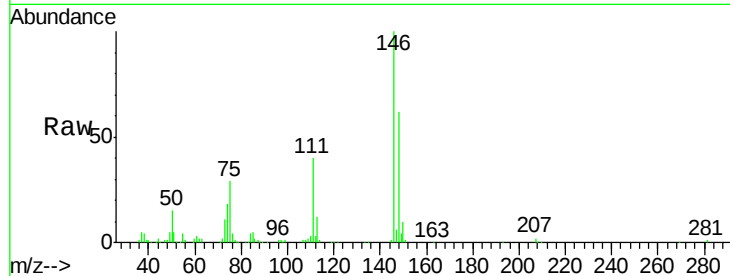
#87
 1,3-Dichlorobenzene
 Concen: 4.877 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	63.6	32.1	96.3

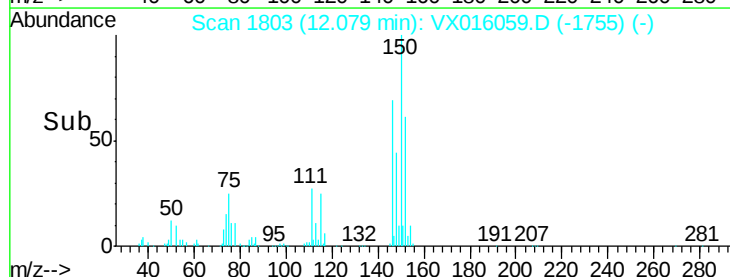
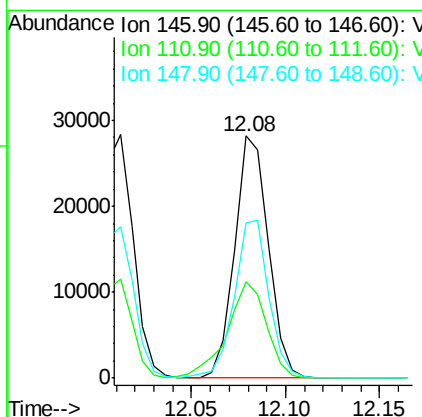
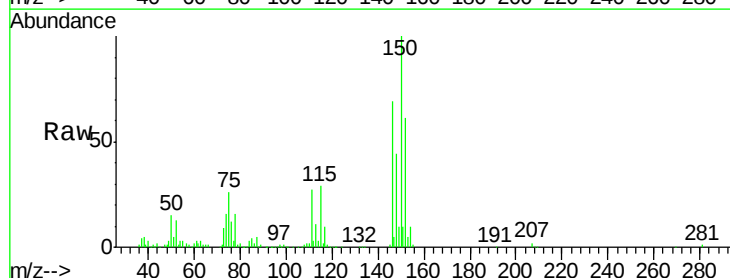
Manual Integrations
 APPROVED

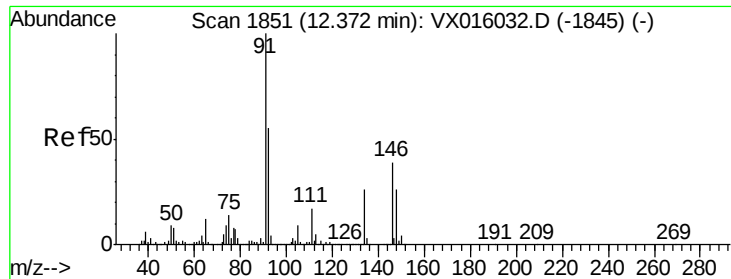
MMDadoda
 5/6/2020 12:27:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.842 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	19.6	58.7
148	66.7	31.8	95.3





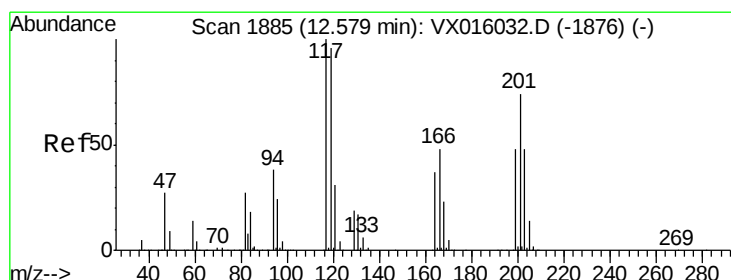
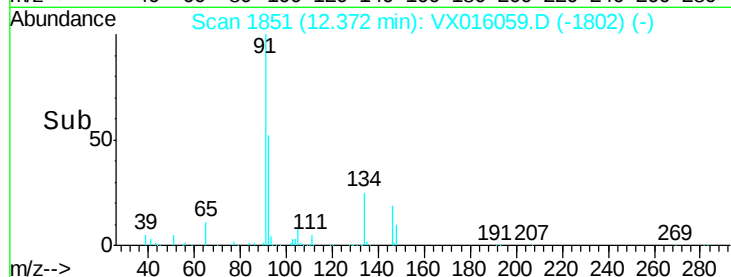
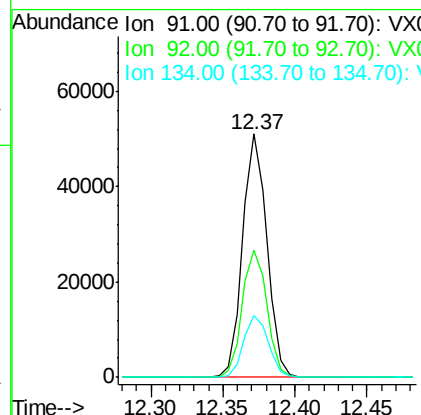
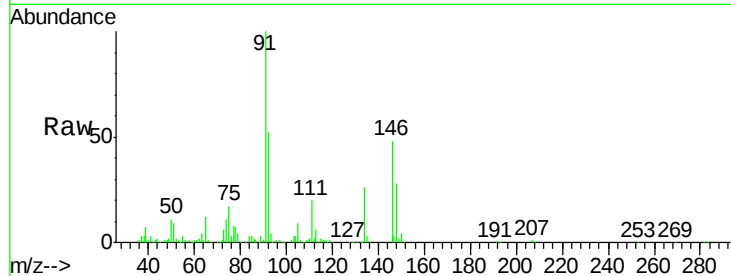
#89
n-Butylbenzene
Concen: 4.683 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100	59995		
92	52.9		27.6	82.7
134	25.9		13.4	40.1

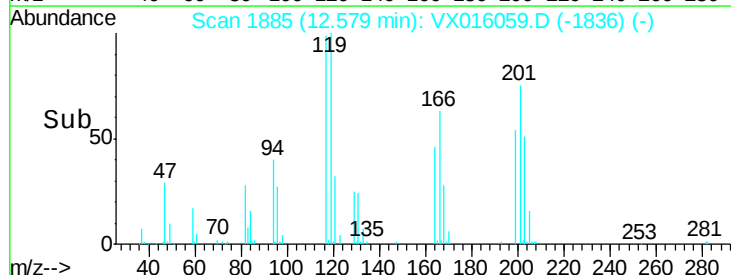
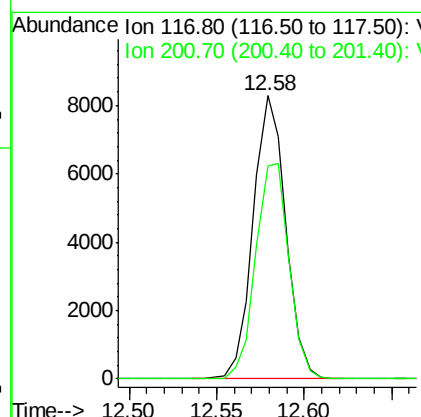
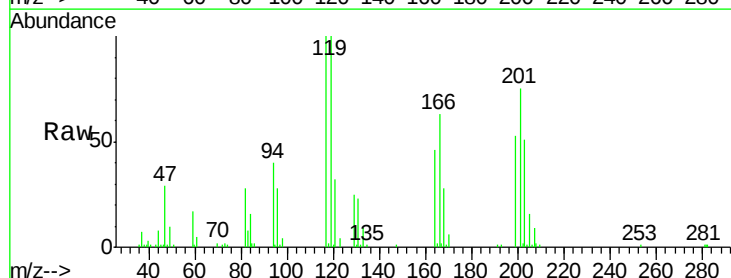
Manual Integrations
APPROVED

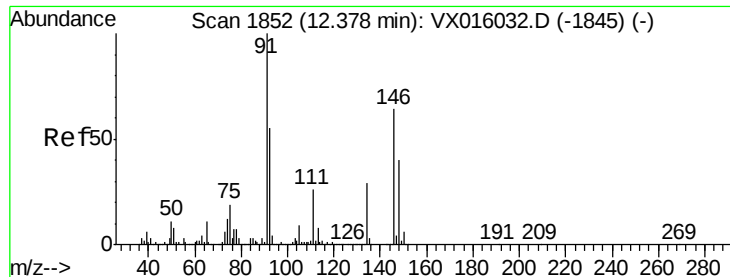
MMDadoda
5/6/2020 12:27:30 PM



#90
Hexachloroethane
Concen: 4.483 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	10796		
201	77.8		39.8	119.3





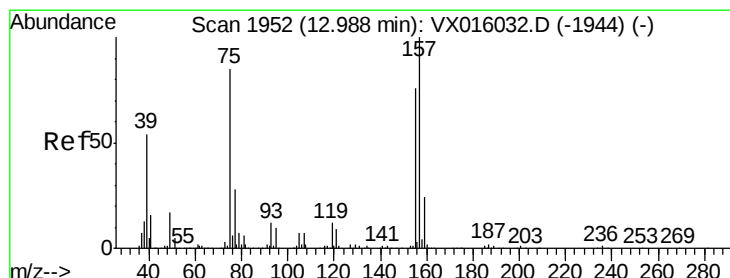
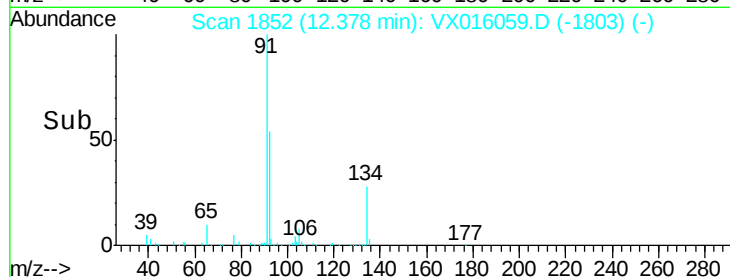
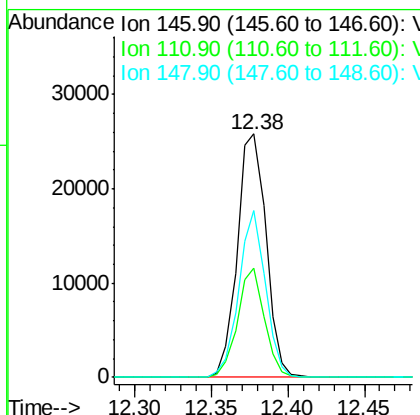
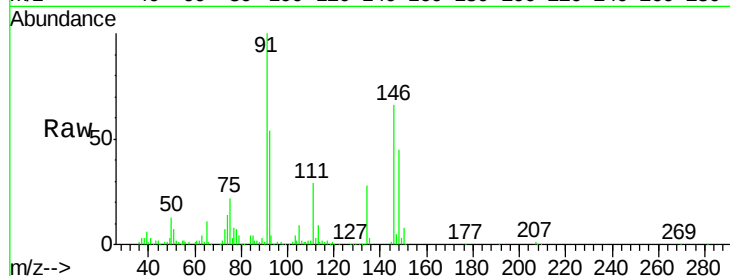
#91
 1,2-Dichlorobenzene
 Concen: 4.913 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	63.2	32.4	97.0

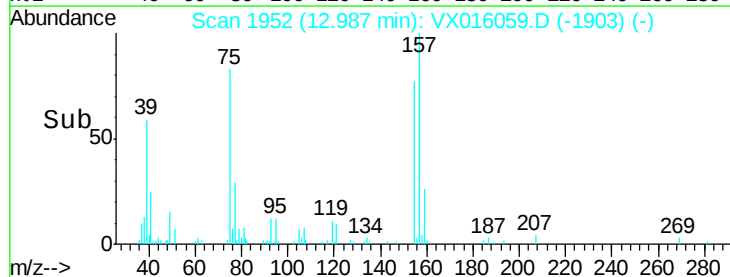
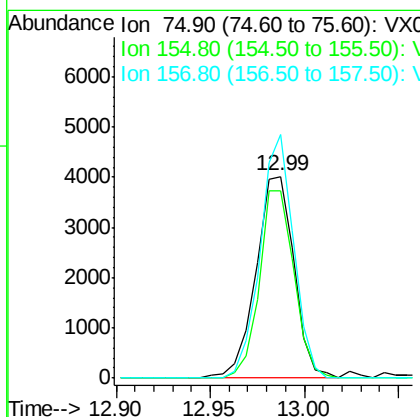
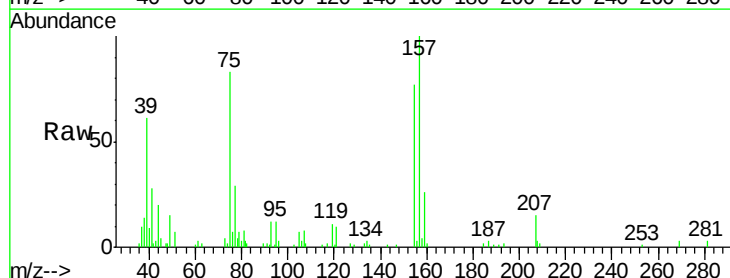
Manual Integrations
 APPROVED

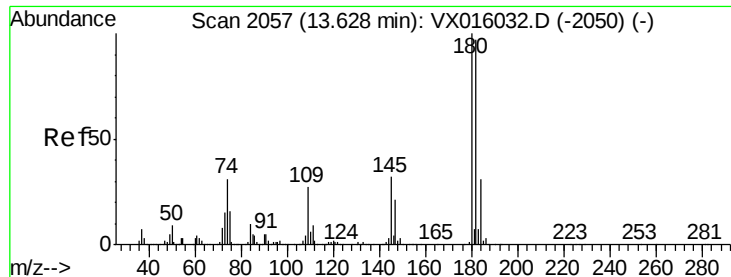
MMDadoda
 5/6/2020 12:27:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.449 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VX016059.D
 Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	42.5	127.5
157	105.2	55.3	165.8





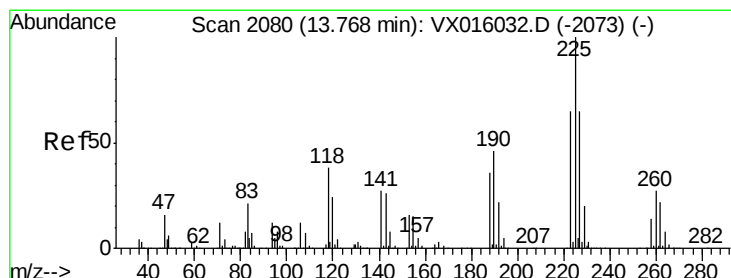
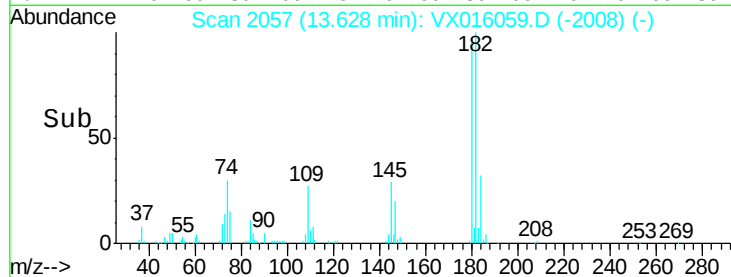
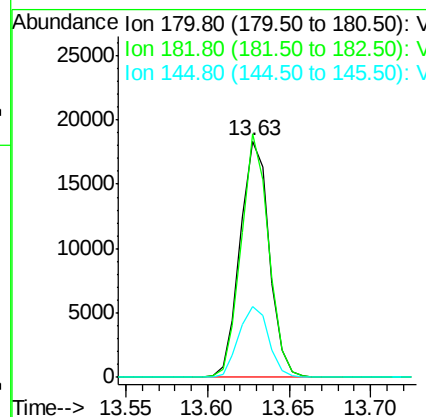
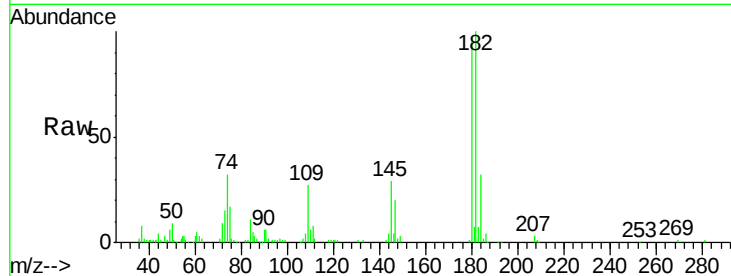
#93
1,2,4-Trichlorobenzene
Concen: 4.512 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.7	146.1
145	30.9	15.7	47.1

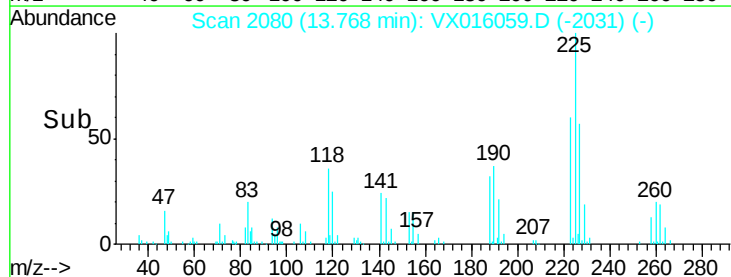
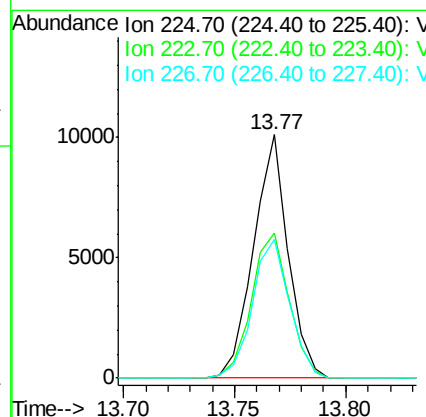
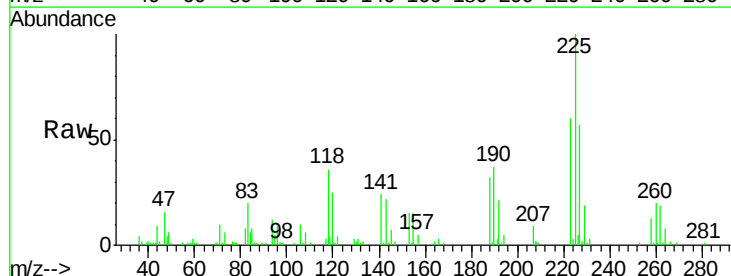
Manual Integrations
APPROVED

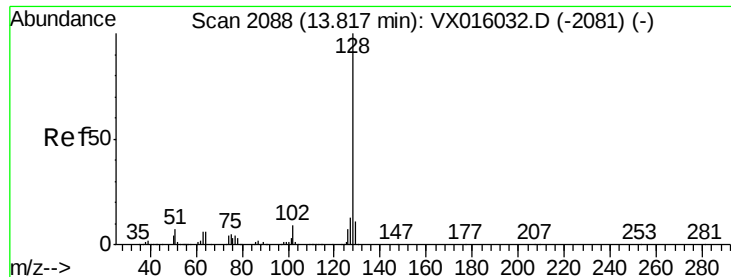
MMDadoda
5/6/2020 12:27:30 PM



#94
Hexachlorobutadiene
Concen: 4.670 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.3	96.9
227	61.1	31.8	95.4





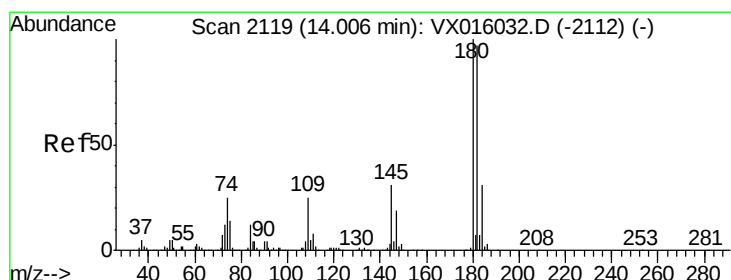
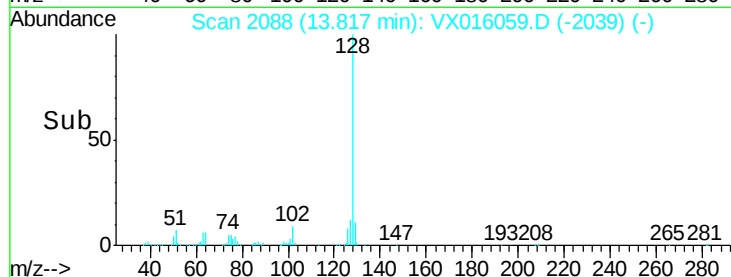
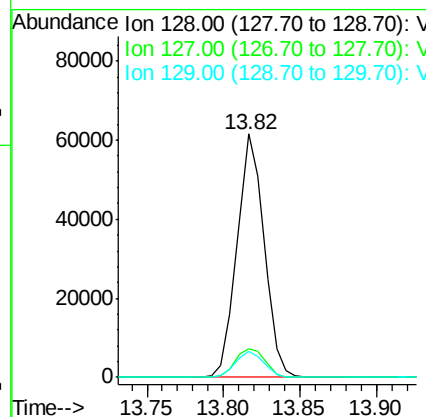
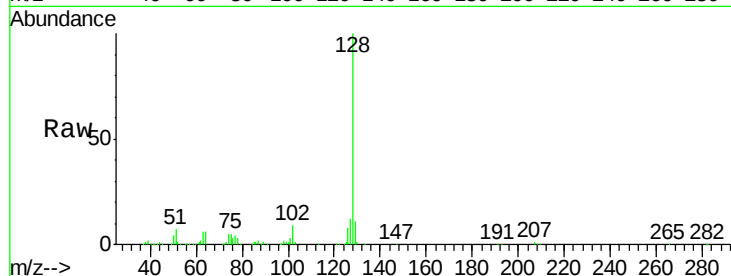
#95
Naphthalene
Concen: 4.597 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/6/2020 12:27:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.615 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016059.D
Acq: 05 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.4	145.0
145	33.1	16.4	49.1

